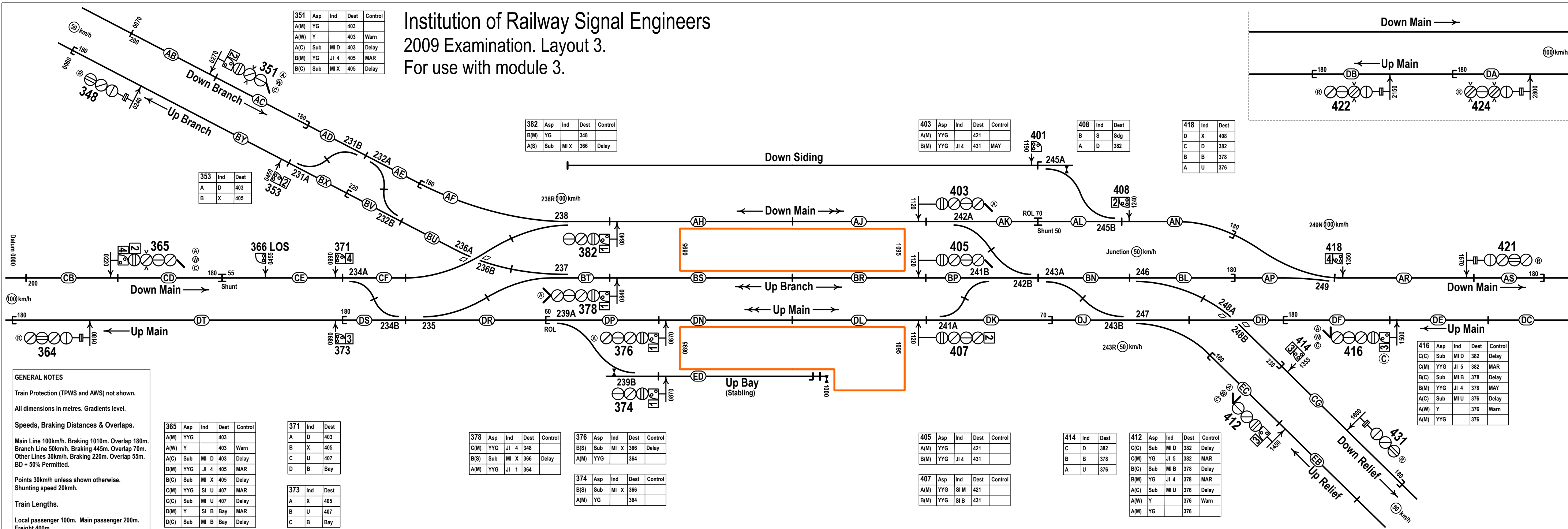


Institution of Railway Signal Engineers

2009 Examination. Layout 3.

For use with module 3.



351	Asp	Ind	Dest	Control
A(M)	YG		403	
A(W)	Y		403	Warn
A(C)	Sub	MI D	403	Delay
B(M)	YG	JI 4	405	MAR
B(C)	Sub	MI X	405	Delay

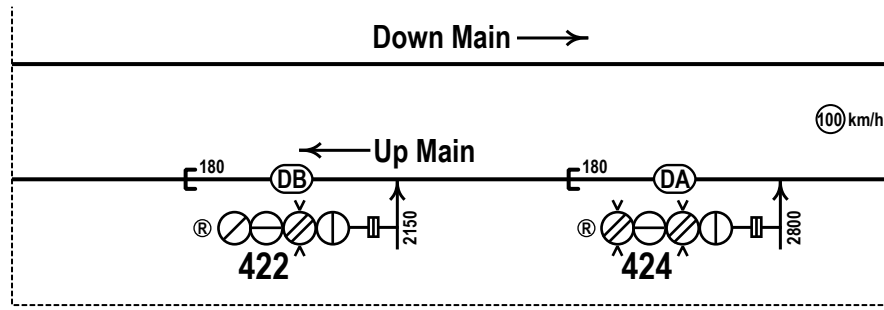
353	Ind	Dest
A	D	403
B	X	405

382	Asp	Ind	Dest	Control
B(M)	YG		348	
A(S)	Sub	MI X	366	Delay

403	Asp	Ind	Dest	Control
A(M)	YYG		421	
B(M)	YYG	JI 4	431	MAY

408	Ind	Dest
B	S	Sdg
A	D	382

418	Ind	Dest
D	X	408
C	D	382
B	B	378
A	U	376



GENERAL NOTES

Train Protection (TPWS and AWS) not shown.

All dimensions in metres. Gradients level.

Speeds, Braking Distances & Overlaps.

Main Line 100km/h. Braking 1010m. Overlap 180m.
 Branch Line 50km/h. Braking 445m. Overlap 70m.
 Other Lines 30km/h. Braking 220m. Overlap 55m.
 BD + 50% Permitted.

Points 30km/h unless shown otherwise.
 Shunting speed 20kmh.

Train Lengths.

Local passenger 100m. Main passenger 200m.
 Freight 400m.

365	Asp	Ind	Dest	Control
A(M)	YYG		403	
A(W)	Y		403	Warn
A(C)	Sub	MI D	403	Delay
B(M)	YYG	JI 4	405	MAR
B(C)	Sub	MI X	405	Delay
C(M)	YYG	SI U	407	MAR
C(C)	Sub	MI U	407	Delay
D(M)	Y	SI B	Bay	MAR
D(C)	Sub	MI B	Bay	Delay

371	Ind	Dest
A	D	403
B	X	405
C	U	407
D	B	Bay

373	Ind	Dest
A	X	405
B	U	407
C	B	Bay

378	Asp	Ind	Dest	Control
C(M)	YYG	JI 4	348	
B(S)	Sub	MI X	366	Delay
A(M)	YYG	JI 1	364	

376	Asp	Ind	Dest	Control
B(S)	Sub	MI X	366	Delay
A(M)	YYG		364	

374	Asp	Ind	Dest	Control
B(S)	Sub	MI X	366	
A(M)	YG		364	

405	Asp	Ind	Dest	Control
A(M)	YYG		421	
B(M)	YYG	JI 4	431	

407	Asp	Ind	Dest	Control
A(M)	YYG	SI M	421	
B(M)	YYG	SI B	431	

414	Ind	Dest
C	D	382
B	B	378
A	U	376

412	Asp	Ind	Dest	Control
C(C)	Sub	MI D	382	Delay
C(M)	YG	JI 5	382	MAR
B(C)	Sub	MI B	378	Delay
B(M)	YG	JI 4	378	MAR
A(C)	Sub	MI U	376	Delay
A(W)	Y		376	Warn
A(M)	YG		376	

416	Asp	Ind	Dest	Control
C(C)	Sub	MI D	382	Delay
C(M)	YYG	JI 5	382	MAR
B(C)	Sub	MI B	378	Delay
B(M)	YYG	JI 4	378	MAY
A(C)	Sub	MI U	376	Delay
A(W)	Y		376	Warn
A(M)	YYG		376	