

# Exhibit F

# QSI MATERIALS INCORPORATED INTO JMRI SOFTWARE

QSI Published Manual  
16 February 2005  
Copyright TX 6-445-094

Jacobsen  
Court Doc 237-31 Exhibit AD  
October 2008

	LA SD-Toggled	All	105	Light	LA Toggled	All
5	Dynamic Brakes	All	105	Number Board Lights	LA Toggled	All
8	Blower Hiss/Diesel Cooling Fans	LA Toggled	107	Directional Headlight + Directional Mars Light	LA Toggled	AllumChoice choice="Reverse Light"/> umChoice choice="Automatic Cab Lights"/> umChoice choice="Directional Mars Light"/>
9	Long Air Let-off	TA Momentary	108	Directional Headlight + Directional Ditch Lights	LA Toggled	AllumChoice choice="Mars Light"/> umChoice choice="Strobe Mars Light"/> umChoice choice="Number Board Lights"/>
10	Short Air Let-off	TA Momentary	109	Directional Ditch Lights	LA Toggled	AllumChoice choice="Directional Headlight + Directional Mars Light"/> umChoice choice="Directional Headlight + Directional Mars Light"/>
12	Pop-off	TA Momentary	110	Ditch Lights	LA Toggled	AllumChoice choice="Directional Ditch Lights"/>
13	Blow Down	TA Momentary	111	Strobe Ditch Lights	LA Toggled	AllumChoice choice="Strobe Ditch Lights"/>
14	Injector	TA Momentary	144	Start Up	PA Momentary	AllumChoice choice="Cruise Control" value="177"/>
64	Mute	LA-SD Toggled	145	Shut Down	PA Progressive	NFF/NFR
65	Doppler Shift	TA Momentary	176	Air Brakes	TA-SD Toggled	NFF/NFR
96	Directional Headlight	LA Toggled	178	Status Report	TA Momentary	FWD/REV
97	Directional Reverse Light	LA Toggled	177	Cruise Control	TA-SD Toggled	FWD/REV
98	Headlight	LA Toggled	211	Coupler Effect	TA Enable and TA Momentary	All
99	Dim Headlight	LA Toggled	215	Squealing Brakes	TA Momentary	FWD/REV
100	Reverse Light	LA Toggled	216	Squealing Brakes + Air Brakes	TA Momentary	FWD/REV
101	Automatic Cab Lights	LA Toggled	217	Pumps	LA Toggled	NFF/NFR

## Jacobsen Declaration Court Doc 237, Page 15, 19 – October 2008

- The author of the JMRI file used "and" and "+" to represent the word "and". This appears in the following choices:
  - "Directional Headlight + Directional Mars Light"
  - "Directional Headlight + Directional Ditch Lights"
  - "Scale mph Report and Status Report"
  - "Squealing Brakes + Air Brakes".