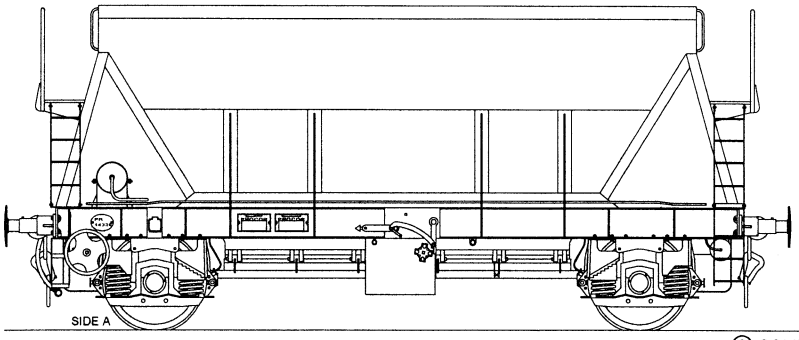
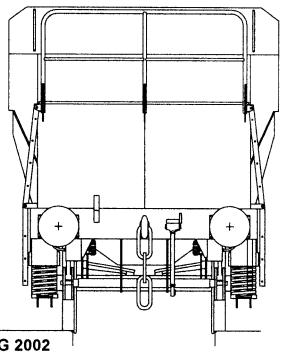
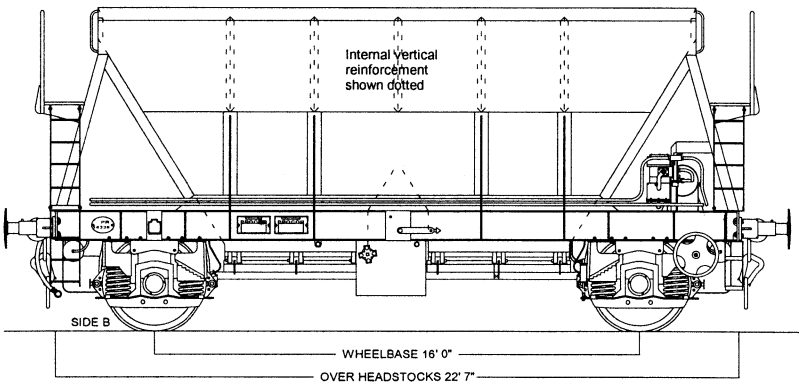
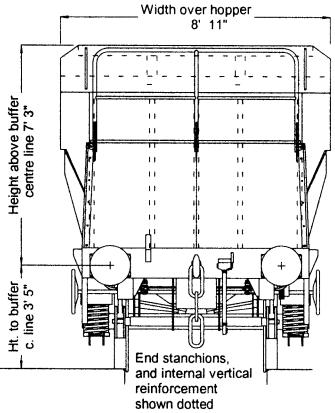
PGA Design Codes PG016A, B, and C

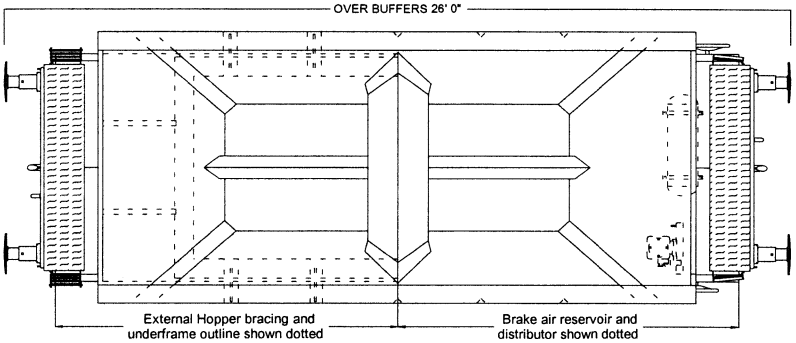
TAMC14840 - TAMC14869, PR14324 - PR14332, TAMC14870

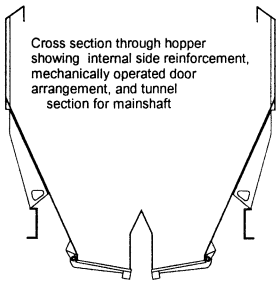


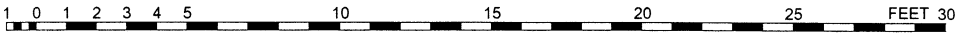












Scale 4mm to 1 foot

Drawings performed on CAD by Colin Craig, using principal available dimensional data, measurements and photographs by Colin Craig, and photograghs by Huw Millington and David Larkin.

Notes:

Built by Procor, Wakefield in 1979 - 80.

These designs have the "low" version of a basic hopper shape common to codes PG016A, PG016B, PG016C, and PG013F. The mechanically operated doors are shorter than earlier designs, necessitated by the clearances required for the clasp brakes; the sides are also higher to achieve the full axle loading with the reduced size of the hopper base.

Gloucester pedestal suspension is fitted, with clasp brakes on four wheels, operated by four separate brake cylinders, located under the solebar, behind the headstocks.The wheel operated handbrake is connected to the two adjacent cylinders, with a protection plate under the headstock, behind the coupling. The handbrake wheels are offset horizontally with a gearbox for directional control.

Buffers are 520mm Oleo stepped shank with 16" round heads. Design code PG016A, and C have been observed with other types of buffer during their life, the most noteworthy being with rectangular heads,

Covers are fitted between the end stanchions to deflect any spillages and provide protection for the air tank and brake distributor.

The end platforms have three support brackets, as shown on the drawing. The last 8 wagons of design code PG016A, and the single PG016C (TAMC14862 - TAMC14870) have the same platform height, but with single central support brackets identical in style to those on design code PG013F.

The ladders at the handbrake wheel end are shorter and are twisted slightly towards the headstock. The long ladders, and the footstep at the brakewheel end, have two steps below the solebar.

The gears operating the bottom door mechanism have full protection covers.