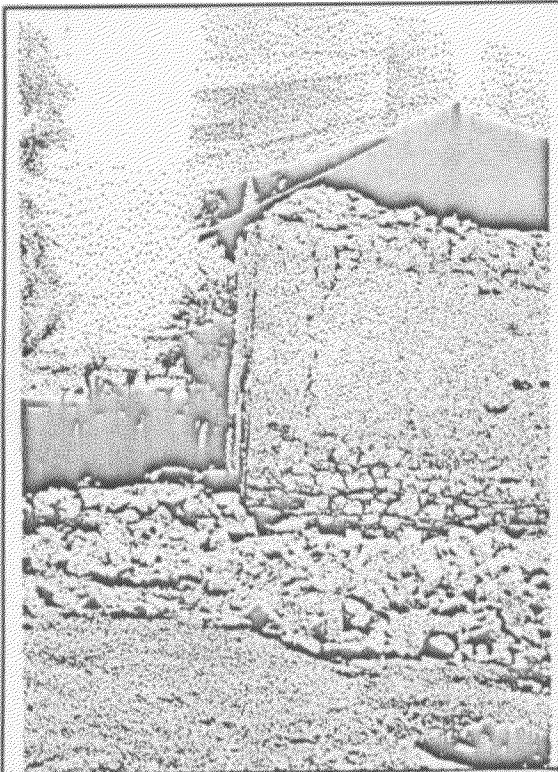


Buckling of end wall of College building, Uttarkashi town

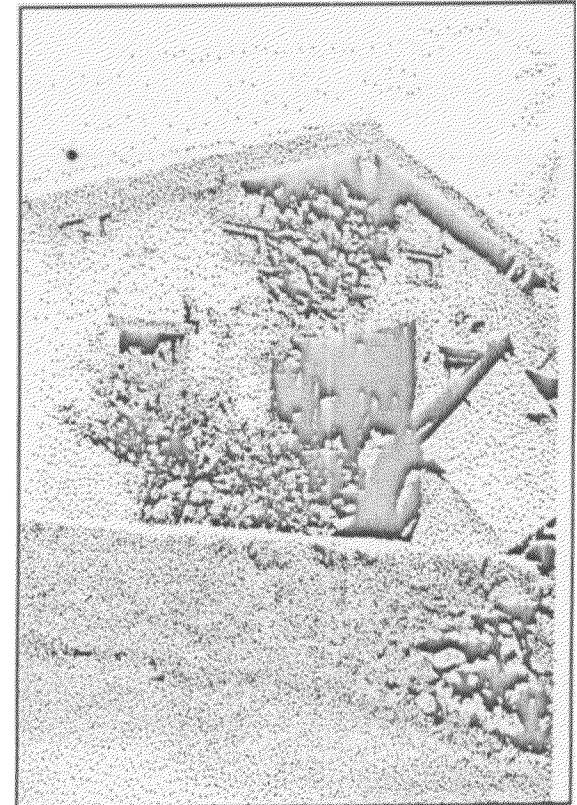
The entire length of the end wall of the College building collapsed buckled due to lateral load. The failure of the end wall masonry joints with cross walls can be observed, which was because of the lack of long bond stones.

FAILURE OF GABLE WALLS

The gable wall of this government building has been damaged by the battering of the ridge piece the un-reinforced masonry. The amount of damage here is low. It could possibly have led to the collapse of the wall especially due to the location of ventilators and windows. A large number of buildings have exhibited this trend because of the lack of trusses to support heavy roof.



Collapse of gable wall of school building in Uttarkashi town.



Damage to gable wall in Uttarkashi town

The exposed surface of masonry and design of this building is deceptive. The quality of the finished surface masonry appears to be of good quality with adequate through stones, but the failed wall proved otherwise. The end gable wall collapsed outward partly by overturning and the shattering of masonry repeatedly rammed by the ridge piece. The lack of effective trusses and tying of the wall plate has contributed to the collapse of this wall.