## APPENDIX N - Seal Requirements Specified in the Approved Ventilation Plan

## DMEGA BLOCK SEALS

- 1. Seals will be hitched 6 inches into bottom and 6 inches into the ribs.
- 2. An approved bonding and sealant agent (i.e. "BLOCBOND" or Rite-wall) shall be used between all joints (horizontal, vertical, and in-between blocks) on all surface areas including the inby and outby walls.
- 3. Seals and pilaster thickness will be as indicated in sketches.
- 4. A gas sampling tube with a shutoff valve will be provided in the highest seal per set of seals.
- 5. A U-type drain will be provided for water drainage in the lowest seal per set of seals.
- 6. Seals will be constructed of Omega 384 blocks as per one of the attached three drawings.
- 7. Imega 384 block seals shall be wedged to the mine roof as indicated in the sketch below.
- 8. All wood will be flush with the walls of seal and coated with sealant passing ASTM E162-87.

## WOOD WEDGES ACROSS ENTIRE WIDTH AS NEEDED (WEDGES SHALL NOT BE PLACED DIRECTLY SINGLE LAYER OF AGAINST DMEGA BLOCK) 1" THICK WOOD PLANKING (TYPICAL) (1" TYPE) VARIABLE < HAND-SAWN -□MEGA 384 BLOCK AS NEEDED TO BRING BLOCKS TO WITHIN 2"+/- OF MINE ROOF

## OMEGA 384 BLOCK SEAL ALTERNATING COURSES

