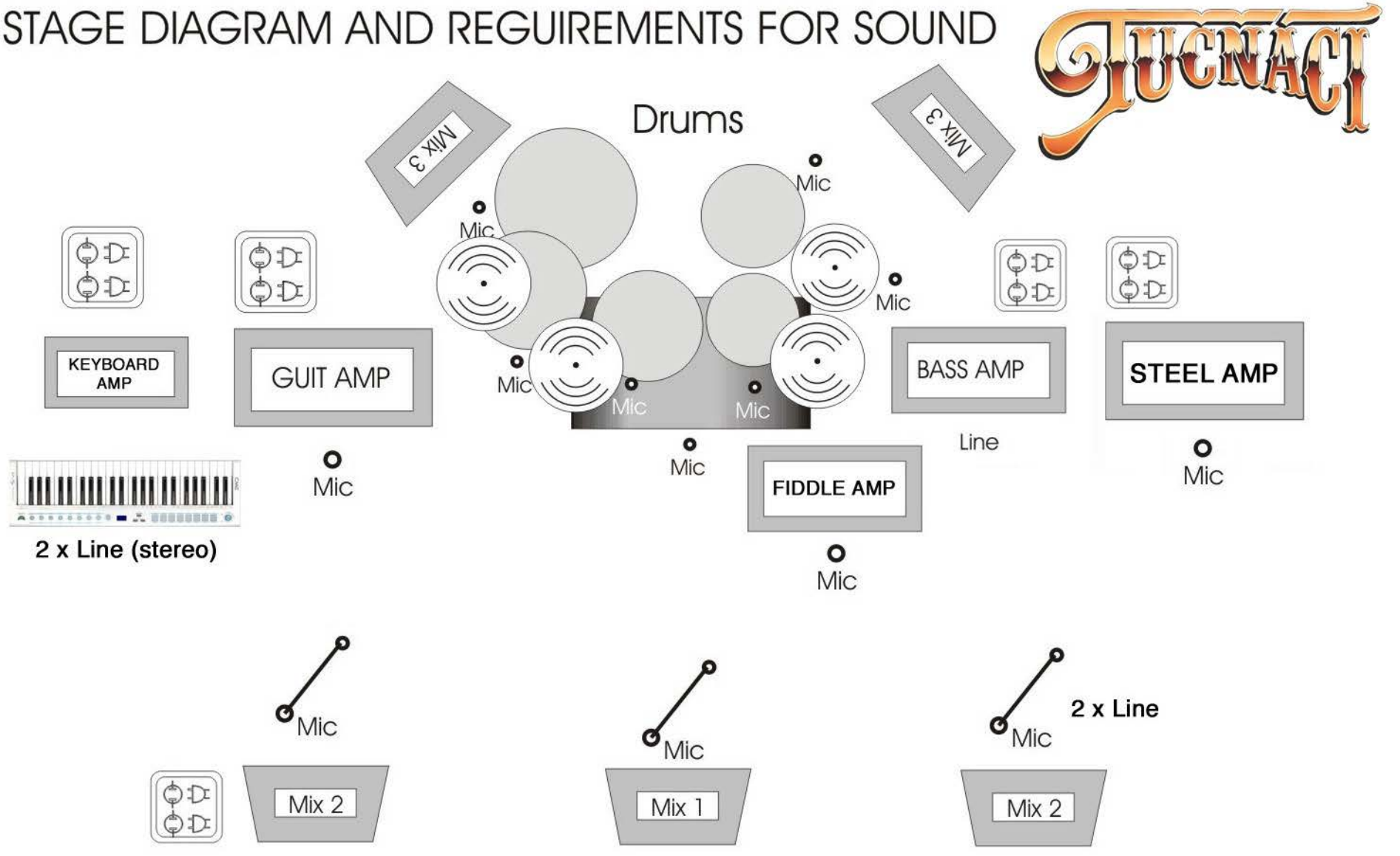STAGE DIAGRAM AND REGUIREMENTS FOR SOUND