

MEMORANDUM



TO: JEFFERY JOHNSON, FIRE CHIEF
FROM: KEVIN S. PIERCE, FIRE MARSHAL
SUBJECT: SUMMARY OF STANDBY DETAIL AT BRIGHTMOOR CHRISTIAN CHURCH
DATE: APRIL 5, 2023

A request was received from Brightmoor Christian Church at the beginning of March to meet and discuss the use of close proximity pyrotechnics and flame effects at this year's Easter Musical "The Promise" that was scheduled to be performed March 29, 30, 31, April 1, and 2.

I met, reviewed, and discussed with Brightmoor staff the International Fire Code (2015 ed.) and NFPA 1126 (2011 ed.), "Standard for the Use of Pyrotechnics Before a Proximate Audience." Brightmoor Christian Church also agreed to reimbursing the city for any overtime incurred with their event for Fire Department staff assigned to the standby during each show. An "Operational Permit" for the pyrotechnics display was then issued by the Fire Marshal's Office.



This show included the use of four LPG produced flames on stage, four theatrical flashes, four mortar hits and two handheld torches carried by actors. To prevent the activation of the smoke detection system in the auditorium, the smoke detector in this room was disabled in the fire alarm control panel prior to each performance and was re-activated after the smoke haze cleared after each performance.

The auditorium contained 2,100 seats and nearly 75% of the seating capacity was filled for all five performances. I stood by for all the performances and was assisted by Acting Lieutenant Takla, Fire Protection Officer Andy Copeland, and station on-duty crews. I conducted all the inspections prior to each performance. I also witnessed Technical Director Systems Administrator Jimi Herr restore the smoke detection system in the auditorium after each performance. All five performances and two dress rehearsals were conducted without incident while personnel from the fire department stood by.