Bill Tellner
Confidential

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WRG 002353

PLAINTIFF'S EXHIBIT WRG-848

REPORT

MONO-KOTE CRACKING

MK-~~X~~ 3

Having made the trip to Seattle to observe the cracking on the Bank of California and having the opportunity to check back on cracking of Mono-Kote on local jobs, I have come up with the following conclusions:

I believe that our primary cause of cracking is vibration of steel frame while Mono-Kote is in setting stage. This causes small fractures in the Mono-Kote particularly in the angles of beams and columns, and they enlarge as Mono-Kote dries out.

I believe this is our primary cause for the following reasons:

1. Experienced crews do not alter application methods drastically from one job to another.
2. We get cracks in 3/4" thick applications as well as material put on 3½" to 4" thick.
3. Jobs where steel frame is all erected and concrete floors are poured, rarely have many cracks. (Icould quote jobs).
4. Majority of cracks have appeared on upper floors where mechanical equipment is being hoisted while fireproofing operation is in process.
5. Cracks generally always appear near the outside elevator hoist.
6. Heavy applications are naturally in angles, which suffer worst cracking.

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7. Rarely do we get cracks on flat surfaces or steel decks, other than heavy sag cracks.

Naturally, over-watering, thin scratch coats, heavy double-up coats, etc. greatly contribute to this condition. However, we have made these corrections and in many instances have still had cracks.

I therefore think some serious thought to vibration tests and further investigation on this cause be pursued.

MK-4 seems to correct most of the cracking condition, regardless how we abuse the product. Perhaps we will just phase out of this problem when MK-4 is used 100%.

Respectfully,

Doyle D. Nigh

DDN:me

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