SUPERSEDED BY EB 99-014 EFFECTIVE 2/23/99		*New York State Department of Transportation* **ENGINEERING INSTRUCTION**	**EI** **98-024**

Title: **FRAMES AND GRATES - CORRECTIONS TO STANDARD SHEETS**

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Approved:

P. J. Billoni For

R. Dennison, Deputy Chief Engineer, Design Division

9-1-98
Date

ADMINISTRATIVE INFORMATION: This Engineering Instruction will be effective with the letting of 01/14/99.

PURPOSE: The purpose of this Instruction is to correct minor errors in several standard sheets for drainage frames and grates and re-issue them as revised standard sheets.

TRANSMITTALS: This Engineering Instruction transmits the following revised standard sheets:

1. "DRAINAGE STRUCTURE DETAILS, TOP SLAB DETAILS" (M604-6R1).
2. "PARALLEL BAR FRAMES AND GRATES" (M655-8R2).
3. "RETICULINE GRATES" (M655-10R2).
4. "WELDED FRAMES AND PROOF LOADED CAST STEEL OR IRON FRAMES AND CURB BOXES" (M655-13R1)
5. "DRAINAGE STRUCTURE DETAILS, TOP SLAB REINFORCEMENT LAYOUT TABLES" (604-7R1).
6. "PARALLEL BAR TYPE GRATES AND FRAMES" (655-8R7).
7. "RETICULINE GRATES" (655-10R1).
8. "WELDED FRAMES AND PROOF LOADED CAST STEEL OR IRON FRAMES AND CURB BOXES" (655-13R1).

CHANGES MADE: The outside width and length dimensions of F1, F2 and F3 frames were corrected in the appropriate tables of the above standard sheets. The size of the rivets in the reticuline grates G1, G2 and G3 were corrected from $^{9}/_{16}$" to ½" (655-10R1) and from 14 mm to 13 mm (M655-10R2). An option of slots for bolt holes in the steel grates was allowed to facilitate field adjustments. An option was given to leave a ½" (13 mm) gap in the all-around weld of the stirrup to welded frame to prevent blow-out during galvanizing. The language in note 2 on stirrup/studs (M655-8R2) was clarified.

CONTACT PERSON: Questions regarding this Engineering Instruction should be directed to Pratip Lahiri of the Design Quality Assurance Bureau at (518) 457-4090.