Northern Illinois University

*NIU Construction Standards*

*Division 08 1100 – Metal Doors and Frames*

March 2014, Rev 00

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All exterior metal doors and frames are to be galvanized.

Door frames for interior doors to be cold rolled steel (.042-inches) 16 GA with mitered and welded corners.

Door frames for interior doors wider than 48” or Level 2 doors, to be cold rolled steel (.0598-inches) 16 GA with mitered and welded corners.

Door frames for exterior doors, or Level 3 doors, to be cold rolled steel (.0747-inches) 14 GA with mitered and welded corners.

Provide door silencers on all strike jambs, except weather-stripped frames.

All frames installed in concrete or masonry shall have full bituminous coating and be fully grouted.

Glazing in exterior applications to be 1 inch tempered thermal pane. 12 gauge steel tube reinforcement to be provided for door hardware. Bottom channel of all metal doors to be inverted.

All exterior doors to be weatherstripped and provided with thresholds. Door fire rating labels are not to be painted.

Manufacturers: Ceco Door Products, Curries Company, Republic Builders Products, Steelcraft; a division of Ingersoll-Rand.

Interior Doors: Provide doors complying with requirements indicated below by referencing ANSI 250.8 for level and model and ANSI A250.4 for physical-endurance level:

* Level 2 and Physical Performance Level A (Heavy Duty), Model 1 (Full Flush), minimum 18 gauge.

Exterior Doors: Provide doors complying with requirements indicated below by referencing ANSI 250.8 for level and model and ANSI A250.4 for physical-endurance level:

* Level 3 and Physical Performance Level A (Extra Heavy Duty), Model 1 (Full Flush), minimum 16 gauge with 1-3/4 inch polyurethane core (R-14 minimum).

Stiles: Minimum head rail – 6”, minimum bottom rail – 12”.

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