



MABCD CONSTRUCTION INDUSTRY NEWSLETTER

Issue 33– February 2024

<https://www.sedgwickcounty.org/mabcd/mabcd-newsletter/>

Chris Nordick - Editor

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Special points of interest

- Under Stair Protection IRC
- Main Bonding Jumper (Panel Board).
- Electronic File Specs (Plan Review).
- Advisory Board calendar.

Building Division-

Please visit our website for more information

[Building Division](#)

Under-Stair Protection

PROTECTION OF STAIRS IN FIRE RESISTANT CONSTRUCTION

Often times the area under a stairway is used for storage. This space is often accessible after the construction process is complete. To protect inhabitants and First Responders during a fire event rescue or egress operation, the code requires that stairways have fire protection as prescribed in IRC 302.7.

R302.7 Under-Stair Protection

Enclosed space under stairs that is *accessed* by a door or access panel shall have walls, under-stair surface and any soffits protected on the enclosed side with $\frac{1}{2}$ -inch (12.7 mm) gypsum board.

Sedgwick County MABCD requires that the space underneath the stairs be fire resistant construction, or be made inaccessible to prevent the storage of combustibles.



Electrical Division-

Please visit our website for more information: [Electrical, Elevator, & Alarm Division](#)

Main Bonding Jumper— NEC Article 250.28

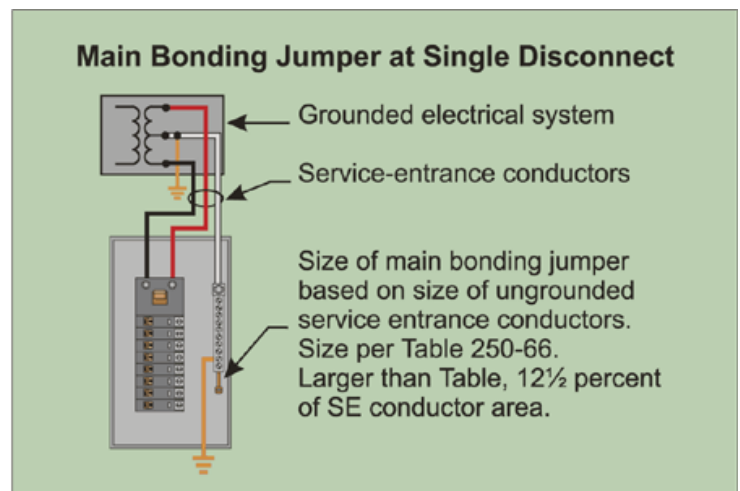
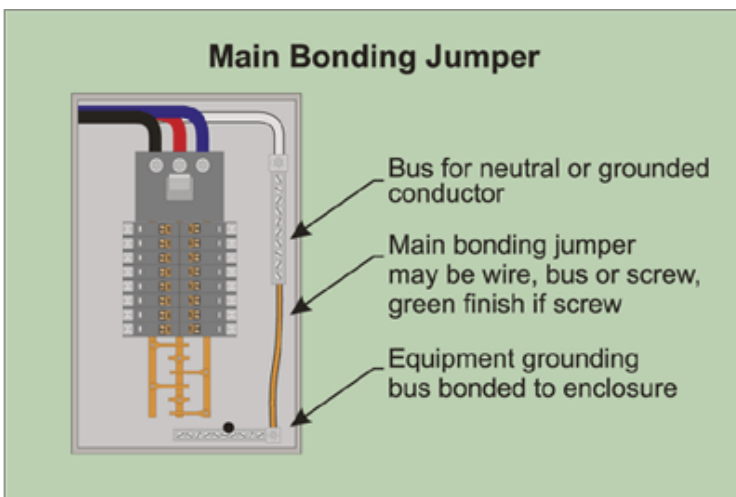
2020 National Electrical Code -

A main bonding jumper acts as the link between the equipment grounding conductor and the grounded service conductor. The purpose of the main bonding jumper is to solidly connect the EGC (equipment grounding conductors) to the neutral conductor of the electrical service.

“The reason for this is: a driven or buried earth ground (e.g. Ground Rod) will **NOT** trip a circuit-breaker during a fault (short-to-ground) condition. The earth simply offers too much resistance for current to flow fast enough back to the source (utility company transformer) to trip the circuit-breaker. Therefore, the bare/green equipment grounding conductors within the branch-circuits must be in contact with the Neutral Conductor of the electrical system; this provides a path of minimal resistance for fault current to flow back to the source of the electricity being generated- the utility company transformer.”

Table 250.24(B) of the NEC requires that this “main bonding jumper” be un-spliced. A conductor that is spliced has more resistance than an un-spliced conductor, and since the main bonding jumper is part of the low-impedance (low resistance) path for ground-fault current to travel on, and is critical to safety, impedance must be kept as low as possible.

Main bonding jumpers are allowed to be wire, busbar, or a screw, as indicated in NEC 250.28.



Plans Examiners Office-

Electronic File Specifications

When you are submitting electronic drawings to the Metropolitan Area Building and Construction Department’s Electronic Plan Review System for review and approval, the file names for the electronic drawings must meet the Electronic File Specifications in the Sedgwick County Electronic Plan Approval Submission Guide.

Each sheet of the electronic drawings must be a single file and uploaded to the Drawing Folder in the above system.

The file name for the electronic drawings shall consist of the order number in the electronic drawings, the sheet number in the electronic drawings, and the name of the electronic drawing. For example: 001 G000 Cover Sheet, 002 G-101 Code Footprint, 003 G-102 Code Analysis, 004 SA-101 Site Plan, etc.

The Project Specification Book, the Erection Drawings for the pre-engineered metal building, and other supplemental information can be uploaded as one file and shall be uploaded into the Document Folder of the above system not in the Drawing Folder of the above system.

The electronic drawings shall be upload as landscape style.

If the file names of the electronic drawings for the project do not meet the requirements mention above or in the Electronic File Specifications in the Sedgwick County Electronic Plan Approval Submission Guide, the review of the project will be stopped at the Prescreen Stage of the plan review by the plan reviewer and no further review will happen on the project until the file names are corrected.

The below is the Electronic File Specifications from the Sedgwick County Electronic Plan Approval Submission Guide:

Electronic File Specifications

1. File Names

Continue to include an index on your cover sheet and name each sheet according to accepted practice. In order to keep the files in the indexed order, please name the files in sequential order as shown in the example below.

EXAMPLE INDEX OF SHEETS	NAME THE FILES
CVR – COVER SHEET	001 COVER
CODE 1 – SITE CODE PLAN	002 CODE 1
CODE 2 – CODE PLAN	003 CODE 2
C1.0 – SITE PLAN	004 C1.0 SITE PLAN
A1.0 – FLOOR PLAN	005 A1.0 FLOOR PLAN
S1.0 – STRUCTURAL	006 S1.0 STRUCTURAL
M1.0 – MECHANICAL	007 M1.0 MECHANICAL
P1.0 – PLUMBING	008 P1.0 PLUMBING
E1.0 – ELECTRICAL	009 E1.0 ELECTRICAL

2. Character Limit

File names are limited to 40 characters.

3. Sheets

Each sheet must be a single file. All drawings must be uploaded as separate files to the drawings folder and must be the same size. The only exception to this would be spec books, pre-engineered metal building plans and other supplemental information. Please load these items in the documents folder.

4. Border Standards

Make sure you have left space for the MABCD approval batch stamp. The space needs to be completely blank on all drawings and should be a minimum of a 3” square. The empty space should be just inside a ¼” top margin and just inside a 3” right side margin. This should not interfere with most title blocks along the right edge of the plans.

MABCD Advisory Boards - Calendar

- [Board of Building Code Standards and Appeals \(BCSA\)](#)
- [Board of Electrical Appeals \(BEA\)](#)
- [Board of Appeals of Refrigeration, Air Conditioning, Warm Air Heating, and Boiler](#)
- [Board of Appeals of Plumbers and Gas Fitters](#)

February 2024

Sun Mon Tue Wed Thu Fri Sat

				<i>1 MABCD Mechanical Board Meeting</i>	<i>2</i>	<i>3</i>
<i>4</i>	<i>5 MABCD BCSA Board Meeting</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>
<i>11</i>	<i>12</i>	<i>13 MABCD Electrical Board Meeting</i>	<i>14</i>	<i>15</i>	<i>16</i>	<i>17</i>
<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>22</i>	<i>23</i>	<i>24</i>
<i>25</i>	<i>26</i>	<i>27</i>	<i>28 MABCD Plumbing Board Meeting</i>	<i>29</i>		

Directors Desk -



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