

# Design Check

## Explanation of Service



Once AIS receives a layout through design checker, provided that it has been drawn using AIS symbols with a supported specification software (Giza, CAP or Project Matrix), the design check process begins. Below is a detail regarding each area that we check, along with some things that we do not check for.

- Panel Connections
  - AIS will review that the correct panel connections have been made, if something that will be required in order to install is missing, we will add it to the drawing.
  - We also review layouts for stability as detailed in the catalogs. If a layout does not meet the stability requirements, we will bring it to your attention but not change the layout.
- Electrical
  - AIS reviews the electrical “flow” for every layout. If there are components missing that inhibit the electrical from working (jumpers, pass through jumpers and in-feeds), we will add them to the layout.
  - Excessive or unused electrical will be noted, but not changed.
  - Note: Power Way widths and duplex outlet quantities are not individually checked in design checks, so please review your layouts carefully.
- Surfaces and Supports
  - Work surface supports will be reviewed for stability and application. If there are situations where there is not enough support, we will add in the required items for you.
  - Where floor supports are concerned, we will make sure what is specified works. In the event that the supports are insufficient, we will make necessary changes, while trying to maintain the “look” of the stations.
- Value Engineering
  - Only when requested, AIS Design can keep in mind your needs to value engineer a project. What this means is that we will bring the cost down as much as possible while maintaining the station requirements. Typically changes can be made to supports, electrical, and panels that will bring down cost without removing the core elements (outlet quantity, storage requirements, etc. . .).
- Services not provided by design check
  - There are a few things **AIS does not** do as part of a design check, to keep the turn around time on design checks down, and also because there is no real way to be 100% accurate with them:
    - **Matrix Tiles:**
      - Based on the virtually unlimited capabilities of the system, as well as the various software types, AIS is unable to verify tile quantities. We do our best to make sure what you need is in the spec, but have no way to be 100% sure.
      - Tile Variances: As a second layer of protection, once you place your order the AIS customer service department will inform you if there is a variance between the available space on frames and the amount of space the tiles on your PO will use.
    - Overlapped Symbols: As there is no way to detect these, verifying the BOM is the best way to avoid issues with this.
    - Aesthetics: We do not know what your customer wants, so the “look” of a station won’t be changed during design checks, because you know what your customer needs better than we do.
    - Space Planning: AIS cannot offer space planning, or assume any responsibility for building shell dimensions in any way.
    - Conversions: AIS Design will happily check any layout, but we are unable to convert a project from one catalog to another (even within the AIS catalogs).
    - Multiple Options: We do check multiple options, provided they are submitted to us drawn that way, but we are unable to change a drawing to provide a different option.
    - Finishes: AIS Design does not apply finish selections to design checks. We have found the best method to insure accuracy is to have dealers apply finishes to the provided .SIF files, or to create their own from the supplied drawings.

The AIS Design Check process exists to assist with the specification of our product lines. Where every effort is made to insure the accuracy of our work, please review everything you receive from us to make sure it works for both you and your client.