

Notify us 24 hours in advance of your site survey to insure adequate telephone support.

Important Information to Process Quote

End User Information

- Customer _____
- Site Location _____
- Address _____
- City _____
- State _____
- Zip Code _____

Dealer/Installer Information

- Company Name _____
- Site Office _____
- Address _____
- City _____
- State _____
- Zip Code _____
- Contact Name _____
- Contact Phone _____

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 Structural Questions: Paul Labarile: 303.304.6412 plabarile@isotecinc.com

Introduction

It's important anyone involved in the sales and services of any Isotec Security Entrance Systems understand the how important a properly executed site survey can be to the success of the installation. Please spend a moment and answer the questions below before submitting a request for quotation.

We recommend that you notify us of the date and time of your site survey to insure one of our experts is available to provide telephone support.

Isotec offers a number of standard structures to meet the requirement of your customer. Consider one of our standard systems before offering a site-specific model. This may be the most cost effective to your customer.

Location of Equipment

An existing entrance, many times, dictates the size and location of a Security Entrance within the building. In order that Isotec be able to respond to a Dealers request for a quote, a Site Survey document must be completed.

Dimensions, Dimension, Dimensions: Accurate dimensions of the openings are an absolute must. Take your time to get it right the

first time. We require the width from interiors of frame to frame, the height from floor to ceiling, and the distance from the closest teller line or fixed structure from the existing opening. As your fail safe backup, call us at 303.452.0022 with **ANY** questions.

Architectural Plans – Generally the customer has the original architectural plans for the building. Please provide a set of the floor plans if possible and check them against actual measurements. We have seen architectural plans with incorrect data.

Photographs – Bring a digital camera or smart phone that has a digital camera. For retro-fits digital photos are a must as they provide additional information generally not seen by an inexperienced site survey person. Take plenty of perspective and detail photos from the entire interior and exterior of the building. This includes floor and ceiling areas. These photos will give us perspective on floor covering, heating and air conditioning ducting, lights, etc.

Hand Sketch – Use the attached Site Survey graph paper to document size and location of lights, vents, and any additional equipment that might be in the way of the installation. Please use a ruler to produce strait lines.

- If you can determine if an area is non-structural or definitely structural, please note this condition on the drawing.

Essential Information

A few questions should be asked of the customer before proceeding with the survey.

- What are the building codes for this location? Does this installation have to meet Americans with Disabilities Act Accessibility Guidelines (ADAAG) or American National Standards Institute (ANSI) codes?
- Are fire alarms currently installed? What are the local fire codes?
- Is this system expected to be inside or out? This can make a difference in the selection of equipment and the options.
- What is the estimated foot traffic in an 8-hour period?
- What is the occupancy rating for the building?
- Is there a dedicated electrical circuit that can be used?
- Are there emergency exits for the building?
- Our countermeasures provide more security than typical commercial windows and doors. Do any existing doors and windows need to be replaced?
- Is the entrance of the system facing south or towards the sun? If so does the roof line protect against the heat of the day?
- Circle building's glass: single pane, insulated, reflective, color shaded or hurricane rated.
- Check the box for required level for ballistic glass & structure:
 - .38 Special 9mm .357 magnum .44 magnum
- What types of gun(s) are to be detected?
- Is integration with legacy security or life safety systems a requirement? (card readers, fire alarms, etc.)
- What are the facility's operational scenarios during business hours and after hours?

- Are there unique operational requirements?

Floor Inspection

Commercial buildings generally have concrete floors. Check that the floor is flat and level. This is very important to the success of the installation. Uneven floors may have to be removed and re-poured flat and level or fillers may have to be employed.

- Floor Covering** – Note the type of floor covering, i.e. carpet, tile, exposed aggregate, etc.

- If Carpeted** – Note color. Very dark colors absorb infrared light from the occupancy sensor and therefore should be removed and replaced with a lighter color carpet within the occupancy zone(s).

- If Tiled** – Ceramic tile is a very good reflector of infrared light used by the occupancy sensors. Dark colored linoleum absorbs this light making the detection of the occupant difficult and therefore should be avoided.

- If Unfinished** – Unfinished floors could cause problems if not planed properly. Many times the structure is placed on the concrete then a tile floor is placed after installation. The height of the tile could interfere with the door. It is best to elevate the structure by the height of the tile for best results. Tile should be installed under the structure to best support the system from movement.

- Potential Interference** – Note anything that may cause interference with the operation of the metal detector. Electrical conduit containing switching hi-power lines, gas and water pipes should be relocated or a new location for the system should be considered.

Wall Inspection

The construction of the walls nearest the potential installation should be inspected closely.

- Type of Framing** – Many commercial buildings are made with steel structural members then covered with sheetrock, chip board or other like materials. This construction should be avoided within 24" of the weapons detection equipment. Steel structural members create Eddy Fields that can cause false alarms in the weapons control system. Generally these Eddy Fields are created by a small movement in the wall structure from a

change in air pressure or door closing within localized area of the weapons control system.

Potential Interference – Check for any electrical equipment on the opposite side of the wall that may give off electrical interference. Also check for objects like metal desk, garbage can, plant container that may be moved after the structure has been installed.

Ceiling Inspection

Overhead Lighting – Note the location of the existing lighting. Also note any problems with fluorescent lighting like burned out bulbs or noisy ballast. Faulty lighting can cause interference with the metal detector and should be repaired or replaced.

Interconnect Cable Run – Most cities adopt the National Electric Code (NEC) as their own without revision, but some cities modify or expand them to require plenum-rated cable in all situations. We recommend that you contact your Fire Marshall if you have questions. Plenum cable is now standard with all Isotec Systems. Two cable are provided: One for power and another for signal wire. If conduit is required this needs to be noted in your survey so we can provide proper electrical hardware.

HVAC Locations – Photograph and note location of HVAC vents that may affect installation location.

Note: If the existing ceiling is exposed to the interior of the weapons control system then it is necessary to make a drawing showing the location of all fixtures that may be in the way of an occupancy sensor.

Electrical Inspection

Electrical devices, like electrical transformers, in close proximity to the weapons detection system can be a problem. Please check for the location of the main electrical box. We have seen a couple of installations that has had the main electrical box on the opposite side of the wall adjacent to the system cause problems with interference. This should be avoided at all cost. We require a dedicated electrical line from the main electrical box to reduce any AC Line interference and surges caused by other equipment needs.

Monitoring

All Weapons Control Systems require an operator console to control security exceptions that occur

from a possible detected weapon or from a passage exception. Wireless transmitters are available to control one or more of these exceptions.

Operator Console

Is there a central location where security is monitored now?

What is the longest distance between the weapons control structure and operators console?

Note: The standard interconnect cable is 100' long. Optional lengths are available and must be noted to properly configure and price the equipment.

Emergency Functions

All Isotec products have been designed to conform to Fire and Safety requirements. Please check with your local fire and safety personnel for clarification.

Fire – All Isotec Weapons and Passage Control Systems come with a UL Fire Alarm Disconnect Relay to allow the building Fire alarm system to disable all locks in case of Fire. Additionally, Isotec offers a couple new features available on all system to improve Life Safety.

Emergency Release System, 'C/D' Door - This upgrade provides for a UL Listed assembly to allow releases for the 'C' and 'D' door lock, after a 15 or 30 second configurable delay, if the system experiences any failure preventing exit through either the 'C' and 'D' door. This system complies with the NFPA requirement for an emergency exit device.

Existing Building Security

Is there a building security system?

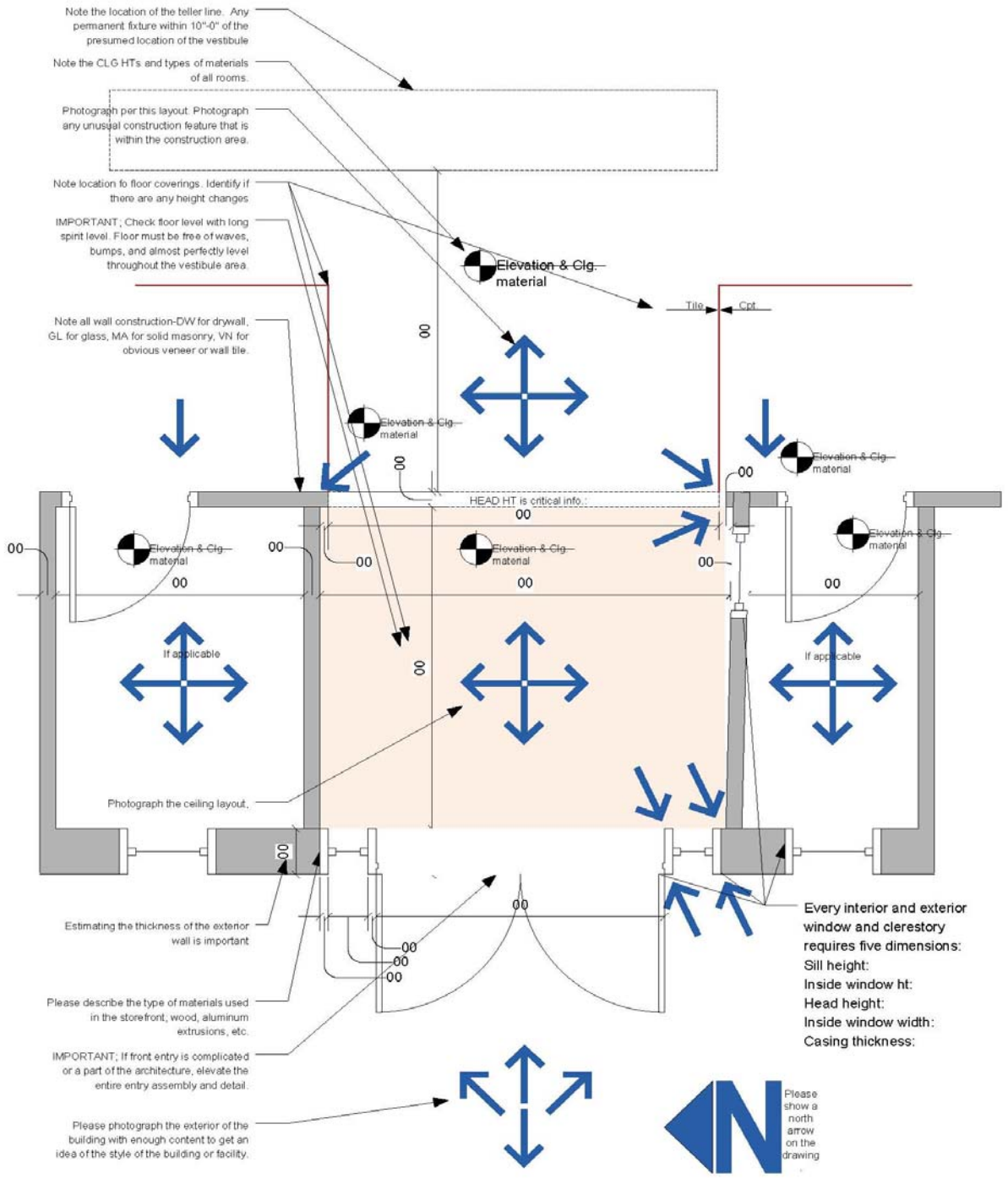
Note: Each exterior door is come with an additional set of "normally open" (NO) contacts. These contacts are tied together on multi-lane systems.

Alternative Access Door(s)

Is there a clearly marked alternate access into the facility this is visible from the lobby?

Finish Color(s)

What color does your customer want? Isotec offers white and dark bronze with a powder coat finish as standard colors. Isotec can also match custom colors; contact the factory for quote.



SURVEYED ENTRY always has entry from the street at the bottom of the drawing
BASIC SURVEY DIMENSION CRITERIA – NOTATED

Site Survey Data

A large grid of graph paper, consisting of many small squares, intended for recording site survey data. The grid covers most of the page area below the header.