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October 24, 2025

To Prospective Bidders:

**SANTEE COMMUNITY CENTER
CIP 2018-31**

ADDENDUM NO. 4

This Addendum No. 4 (105 pages in total) forms an essential part of the contract documents by revising the following:

4A CONTRACT DOCUMENTS

4A-1 00100 – NOTICE INVITING BIDS

Revise the first sentence to reflect a revised bid opening date and time of 1:00 PM on November 5, 2025:

The City of Santee ("City") will receive sealed bids for the Santee Community Center at the Office of the City Clerk, Santee City Hall, Building 3, 10601 Magnolia Avenue, Santee, California 92071, no later than 1:00 PM on November 5, 2025, at which time or thereafter said bids will be opened and read aloud. Bids received after this time will be returned unopened.

4A-2 00750 – Special Conditions

17. UTILITY SERVICES AND SERVICE ORDERS

E. City of Santee Fiber Optic Service and Cables

Revise the first two paragraphs of the City of Santee Fiber Optic Services and cable section to from 12 strand to 60 strand fiber optic cable and revise splice enclosures and cassettes to accommodate this change:

The project requires fiber optic communication service from the City's existing fiber communications system located at the intersection of Mast Boulevard and Park Center Drive to be run to the project site along Park Center Drive and Riverwalk Drive through an existing 2" conduit installed for the project. This conduit run is not shown on the project drawings. The Contractor shall install conduit from the existing pull box on Riverwalk Drive at the project's property line into the building as shown on the Technology drawings. **The fiber optic cable shall be a Corning Los Altos Gel Free 60 strand fiber optic cable, or**

approved equal. The fiber optic cable shall be installed from the splice box at southeast corner of Park Center Drive at Mast Blvd through the existing pull box on the southwest corner of Park Center Drive at Mast Blvd through the pull box in front of the Community Center building and into the Community Center building data communication room, approximately 2,100 feet. The Contractor shall coil 20 additional feet of fiber optic cable in each pull box and 50 feet at all splice locations for a total anticipated fiber optic cable length of 2,400 feet.

The Contractor is responsible for splicing new fiber optic cable in the existing splice cannister at Park Center Drive and Mast Blvd. **The Contractor shall furnish and install a 3U Corning splice enclosure (part: CCH-03U, or approved equal) with 5 LC splice cassettes (12 fiber each) inside the communications room of the Community Center and make all necessary splice connections to connect all sixty (60) fibers.** The Contractor shall be responsible for all required patch cables to connect the City's network. The Contractor shall provide documentation of ODTR Testing of the fiber optic cable to the City for review prior to acceptance of the work.

4A-3 00750 – Special Conditions

17. UTILITY SERVICES AND SERVICE ORDERS

E. City of Santee Fiber Optic Service and Cables

Add the following sentence to the end of the second paragraph:

A splicing diagram will be provided to the Contractor at the time of installation.

4A-4 Attachment I – Fixtures Furnishing and Equipment

Attachment I is reissued in its entirety to include one additional item – Digital Watchdog, Blackjack Server and is highlighted in red. No additional changes to the Attachment have been made.

4B SPECIFICATIONS

No changes in this addendum.

4C DRAWINGS/EXHIBITS

The following items are changes to the Drawings/Exhibits:

4C-1 Drawing T0.00

'Security Devices' Table

Symbol 'NVR'

Revise description to state the following:

NETWORK VIDEO RECORDER PROVIDED TO BY CONTRACTOR

- 4C-2 Drawing L2.02
Landscape Irrigation Demolition Plan Legend
Existing Master Valve
Revise Remarks to state the following:

Master valve for recycled water irrigation system shall be 3" brass body, normally closed type, EPDM diaphragm, 24 VAC, no minimum flow operation, suitable for use with recycled water and to the size noted on the plans as manufactured by Superior, Model No 3200 or approved equal.

4D RFI RESPONSES

The following items are responses to received RFI's for the project:

- 4D-1 Question: Please confirm all single hole restrooms do not require a floor drain per plumbing plans restrooms 112, 202 and 203

Response: Per 2022 CPC, restrooms with only one water closet do not require a floor drain. No floor drain required.

- 4D-2 Question: On sheet P6.01, Please advise if a single 2" ball valve either in wall or above ceiling is acceptable for serve the wet wall in mens 116 and womens 117.

Response: The backup isolation valves as shown are required. This requirement is to ensure restrooms facilities can be used should one toilet/urinal require maintenance.

- 4D-3 Question: On sheet P6.01, Please confirm a ball valve and access panel is required to serve each back to back fixture in mens 116 and womens 117.

Response: Confirmed.

- 4D-4 Question: After review of Sleeves and Sleeve Seals for Plumbing Piping 22 05 17-3.5.A.2.3.41- for the concrete slabs on grade and slabs above grade please confirm all walls will increase in size to accommodate the sleeves called out for in the above specifications i.e.—a 2" riser will require a 4" sleeve (to achieve the 1-inch annular clear space) in turn will need a 6" wall. If this is not required for slabs on grade please advise if the industry standard use of foam wrap will be acceptable to create an annular space between the slab and plumbing risers. For the slabs above grade please advise if a Hilti Fire rated sleeve will be acceptable. For plumbing risers passing from the 1st floor to the 2nd floor

Response: Omit slab on grade specification section as the industry standards use of foam wrap is acceptable. For slabs above grade, the Hilti fire rated sleeve is acceptable.

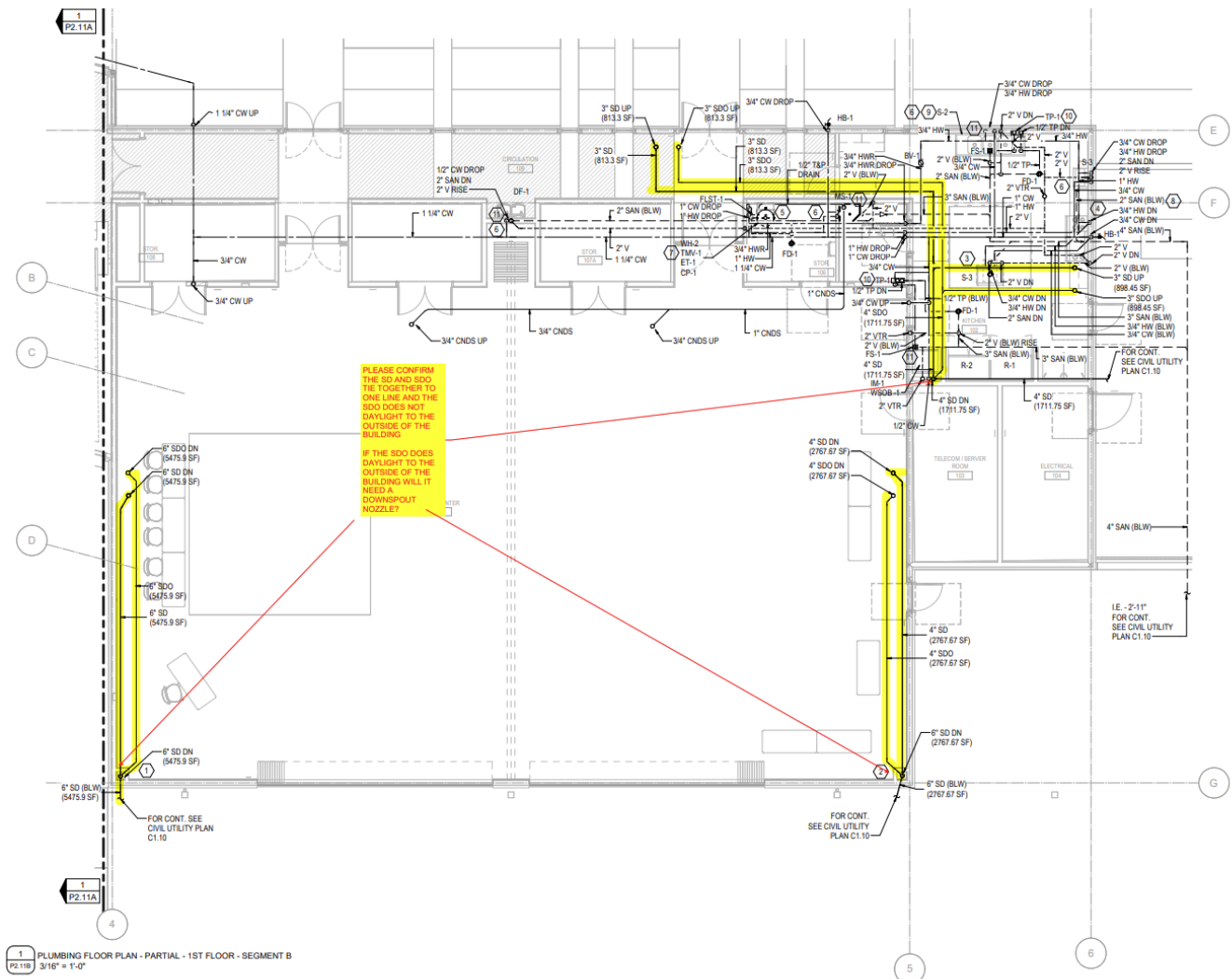
4D-5 Question: After review of Sleeves and Sleeve Seals for Plumbing Piping 22 05 17-3.5.A.2.3.41- for the interior partitions please advise if a sleeve will only be required if passing through fire rated wall. If not please provide a detail for Q2 and Q1

Response: For the interior partitions, provide sleeves at the fire rated wall penetrations.

4D-6 Question: Please provide the material type for the downspouts from the prefinished gutters as shown on Sheet A10.91, Details 2 & 3.

Response: See plumbing pipe material schedule.

4D-7 Question: Please confirm the SD and SDO tie together to one line and the SDO does not daylight to the outside of the building. If the SDO does daylight to the outside of the building will it need a downspout nozzle?

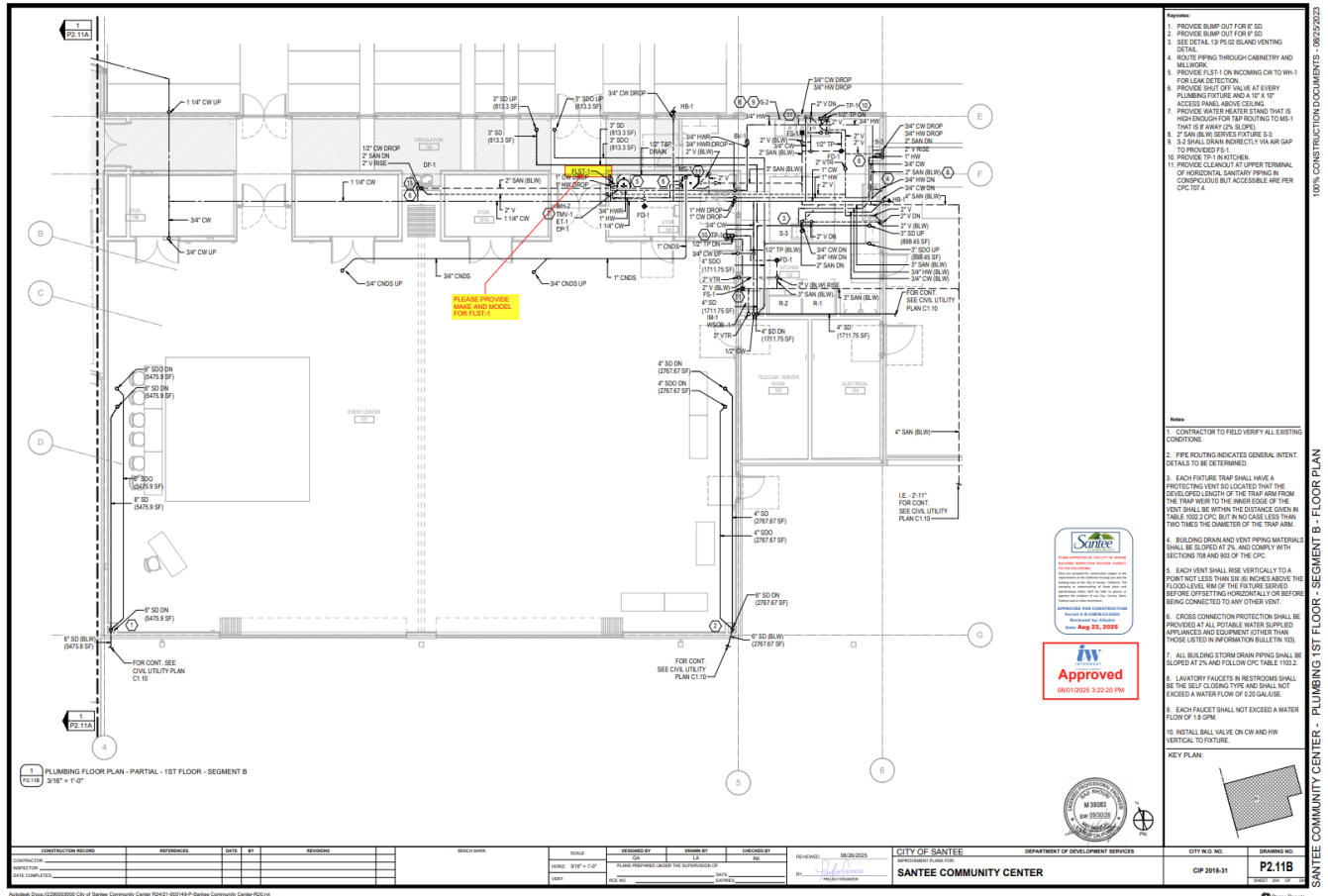


Response: Storm and overflow to be combined.

4D-8 Question: The specifications for the Santee Community Center project state that the Fabricator and Installer must be AISC certified. One of our subcontractors is not AISC certified but is a City of Los Angeles Approved Fabricator and has completed similar projects successfully. Please confirm whether a City of Los Angeles Approved Fabricator would be acceptable in lieu of AISC certification.

Response: LA City certified is acceptable.

4D-9 Question: In storage room 106 there is a fixture call out for a FLST-1. Please provide make and model number for this fixture. Please see attached.



Response: FLST-1 is a flood stop. It's a leak detector that automatically shuts off the incoming CW line. Provide WaterCop Pro or equal.

4D-10 Question: Sheet A9.22 "Finish Schedule" has a call out for AWP2 -Metal interior wall paneling and AWP2 Wall Panels. Please update the drawing pages to show which AWP2 is being used.

Response: AWP2 is located in Lobby. Refer to Details 2 & 4 on A8.11.

4D-11 Question: Elevation 4/A8.11 shows QTZ1 called out on the low wall on the outside of Office 122. There is countertop inside of the room, but please confirm there is no countertop on elevation 4/A8.11. Please clarify the QTZ1 is being used on the vertical surface as shown in detail 4/A8.11

Response: Confirmed. For this elevation, there is no counter, and the QTZ is limited to the vertical surfaces.

4D-12 Question: Enlarged floor plan sheet A7.43 shows (2) callouts for 11.10 REFRIGERATOR and no callouts for a freezer. Spec section 11 40 00 FOODSERVICE EQUIPMENT lists a two-door reach in refrigerator and a two-door reach in freezer. Please confirm if those (2) callouts should instead be (1) refrigerator and (1) freezer.

Response: Confirmed. Please proceed with one being a refrigerator per spec 11 40 00 and the other being a freezer per the same spec.

4D-13 Question: On A2.22, along gridlines AA, 2, and 3, a double wall is shown: exterior wall tag "E-W6D" and interior wall tag "W6J-1."

Structural references on these same gridlines call Details 1 & 2 on S0.76, which illustrate only a single exterior shear wall bottom-plate connection, with no depiction of a double-wall condition.

There is no coordinated detail showing how the double wall system (exterior shear + interior wall) is to be built and connected at bottom and top plate, including load path, separation, and any required interties.

Please provide a coordinated detail (plan and section) specifically depicting the double-wall condition at grids AA, 2, and 3 on the 2nd floor.

If the intent is to treat the exterior wall as non-structural, please state so and provide the standard head-of-wall and base details to use.

Proposed Alternate (for SEOR review): As a coordination option, in lieu of constructing two adjacent structural walls at the second floor, RCB proposes a single structural wall framed with full-height LVL studs spanning 29' in length to achieve top of parapet height shown on 2 & 4/A5.12. Please confirm if this approach is acceptable and provide required design criteria

Response: The design intent is to consider the exterior studs at the double walls as non-structural (furred wall). Wall studs may be attached to the main wall framing via fastener schedule on S0.05 (ie tn stud to stud). Refer to typical stud wall framing detail 1/S0.71 for wall construction - acceptable for specified a35 to clip wall studs / top plates to main wall framing. Seor will also entertain other means of attachment from framer via RFI process. Sill anchorage can follow 6/S0.75.

Note that the proposed use of full-height level studs is not acceptable, as the second floor wall double top plates are drag elements of the shear wall system. Refer to typical wall section 1/s4.01 for typical bearing wall construction.

4D-14 Question: Finish schedule A9.22, section 1.03.B: 06 64 00 – Plastic Paneling lists FRP1 and states "refer to finish plans" for location(s). There is no FRP called out on finish plans. Please confirm where FRP occurs.

Response: No FRP in project. Spec to be omitted.

4D-15 Question: Please confirm that storefront openings 122B & 122A do not need to be fire rated.

Response: Confirmed - Storefront Configurations 122A & 122B are not fire rated.

4D-16 Question: Please confirm that storefront opening 122 is to be Fire Rated.

Response: Confirmed - Storefront Configuration 122 is to be rated per drawings.

4D-17 Question: Door frame types FRM-72Alb(CW), FRM-01AL(CW), and FRM-00AL(CW) are all noted as 45 minute fire rated doors. They are labeled with various details that range from hollow metal (reference detail 11/A10.23) to a Western Integrated style aluminum door (5/A10.23). One of the doors (#122) shows a SaftiFirst fixed window system. 101D and 101E are noted as storefront doors on A9.21.

Please clarify the basis of design for the following doors: 101D, 101E, 109A, 109B, 110B, 118, 122, 200C, and 205.

Response: Doors (and associated frames) 101D, 101E, and 122 are to be rated (BOD SaftiFirst per spec); rating is not required for doors 109A, 109B, 110B, 118, 200C, and 205.

4D-18 Question: ADDRESSABLE FIRE-ALARM SYSTEMS Specification Section, 28 31 00, Part 2, Section 2.1.

Per the Syska Hennessy Group, 2021-PR-003149, Syska has specified for the fire alarm manufacturer to be by, Edwards, a UTC Climate, Control & Security Company. Will an equal to or equivalent Honeywell brand by Notifier or Silent Knight be acceptable as an alternate?

Response: Provide the fire alarm system per the project specifications. Equals or equivalents are acceptable if they meet all specified functions and interfaces and receive AHJ approval. Include complete deferred submittals (risers, device schedules, voltage-drop and battery calculations).

4D-19 Question: Edwards EST 3 is no longer manufactured or supported by Edwards, a UTC company. Will a Notifier NFS-320 or NFS2-3030 be acceptable as an equal to or equivalent alternate.

Response: A legacy platform listed in the RFI is not required. Provide a current, code-compliant fire alarm system meeting the specifications. Equals or equivalents may be submitted for review and AHJ approval.

4D-20 Question: With reference to plan page A9.11 Door Schedule, only Door 118 @ Circulation Area calls-out for 1- Hour Fire rated (See highlighted Floor Plan) & the rest does not call-out for any Fire-rating? Please clarify?

Response: Door 118 and Configuration 104 are not required to be rated.

4D-21 Question: Also, please clarify if Windows 101, 102, 103, 122, 201 & 202 needs to be 45min Fire -rated as details on plan page A10.21 clearly shows Aluminum SF system & not Steel / HM.

Response: Frame Configuration 122 and door 122 to be rated per plans; Rating not required at Windows 101, 102, 103, 201, and 202 - refer to updated sheet showing ratings removed.

4D-22 Question: Details on A10.42 show the SPC linear metal ceiling with the carrier system attached directly overhead. (See attached detail).

Per manufacturer, this ceiling requires a minimum 4" clearance above the suspension system. (See below)

Please confirm SPC metal ceiling can have a 4" clearance above carrier suspension system per manufacturer installation instructions.

Response: Install using direct attachment (plank) method. SPC linear metal ceiling is not intended to be a suspended ceiling.

4D-23 Question: ADDRESSABLE FIRE-ALARM SYSTEMS Specification Section, 28 31 00, Part 2, Section 2.1. Per the Syska Hennessy Group, 2021-PR-003149, Syska has specified for the fire alarm manufacturer to be by, Edwards, a UTC Climate, Control & Security Company. Will an equal to or equivalent Honeywell brand by Notifier or Silent Knight be acceptable as an alternate? Edwards EST 3 is no longer manufactured or supported by Edwards, a UTC company. Will a Notifier NFS-320 or NFS2-3030 be acceptable as an equal to or equivalent alternate.

Response: Provide the fire alarm system per the project specifications. Equals or equivalents are acceptable if they meet all specified functions and interfaces and receive AHJ approval. Include complete deferred submittals (risers, device schedules, voltage-drop and battery calculations).

4D-24 Question: A2.11B shows folding partition with an elevation detail of A8.13 / 2. On pg. A8.13 though, it appears Keynote 10.01 has the folding partition wall scaling to almost 14'-1" H instead of the RCP on A3.11B which is showing 9'-0". Please advise what is correct?

Response: The elevation and building section on Sheet A6.12 show the folding partition to be higher than 9'-0". Clarified dimensions to be provided in forthcoming Addendum.

4D-25 Question: 1st Floor Event Center & 2nd Floor Multi-Purpose Room – Kwik-Wall folding partition. Can you confirm that indeed both systems are supposed to be electrically operated? (not manual)

Response: Please refer to spec section 10 22 39 - FOLDING PANEL PARTITIONS which calls out that all folding partitions are to be electrically operated.

4D-26 Question: Please confirm that the builder's risk insurance does not require earthquake or flood coverage.

Response: Earthquake and flood coverage was not a stated requirement for the Builder's Risk coverage. Should this coverage be required for the contract, the City will provide notice on future addendum.

4D-27 Question: SPC3 Ceiling Baffles – Dimensions and Spacing Ref. Finish Schedule (A9.22) and drawings A8.21, A3.11B, A3.21, A8.13. Please confirm the following details for SPC3 - Fan Ceiling Baffle by Acoufelt:

- a) Baffle Thickness – Manufacturer offers 12mm and 24mm options. Please specify the intended thickness.
- b) Baffle Height – Scaled section 3/A8.21 suggests approx. 1'-0" height. Please confirm or provide actual dimension.
- c) Spacing Between Baffles – Scaled RCPs and elevations indicate approx. 4" spacing.

Please confirm or clarify.

These dimensions significantly affect quantity and pricing. Please confirm for accurate estimating.

Response: a) 24mm thickness
b) Height B: 2" up to 12"H
c) Yes spacing between baffles are 4" O.C.

4D-28 Question: SPC3 Locations – Room Confirmation

SPC3 baffles are not labeled on RCP drawings A3.11B and A3.21. However:

- Interior elevations 1–4/A8.21 show SPC3 baffles in Multi-purpose Room #200.
 - Elevations 1–4/A8.13 show ceiling baffles in Event Center #101 that appear to match SPC3.
- Please confirm:
- Are SPC3 baffles to be installed in both of these rooms?

Response: SPC3 is located in both Event Center and Multi-Purpose Room.

4D-29 Question: Event Center #101 – SPC3 vs. SPC5 Clarification

RCP drawing A3.11B identifies SPC5 – Acoustic Luminaires in Event Center #101. However, interior elevations on sheet A8.13 depict ceiling elements that appear to be SPC3 baffles.

Please confirm the following:

- SPC3 is the correct ceiling element for Event Center #101.
- SPC5 luminaires are not to be used in this location.

Response: SPC3 is the correct ceiling type for the Event Center on the first floor. SPC5 is not to be used in this space.

4D-30 Question: Multi-purpose Room #200 – SPC5 Clarification

RCP A3.21 for Multi-purpose Room #200 includes the label SPC5, which means Acoustic Luminaires, as listed in the Finish schedule. However, interior elevations 1–4 on sheet A8.21 show SPC3 ceiling baffles along with other suspended items (not labeled) that differ in size and configuration from SPC5.

Please clarify the following:

- Are SPC5 Acoustic Luminaires required in this room?
- If so, please provide clear location and layout information to avoid confusion with other suspended light fixtures.

Response: SPC 5 is not used in Multi Purpose Room 200

4D-31 Question: SPC4 – Luminaire Color

Finish Schedule (A9.22) specifies SPC4 Acoustic Ceiling Baffle in Classic White (CWH), but does not specify the luminaire color for this system.

Please confirm:

- Should the luminaire component of SPC4 also be White (WH), or another finish?

Response: White finish for the luminaire is acceptable.

4D-32 Question: AWP1 – Discontinued Fabric

Luma by Designtex, specified for AWP1, is discontinued. Since fabric selection affects cost, please provide an alternative fabric for AWP1.

Response: Acrylic backed:
Blink Pewter 3127-805

<https://shop.designtex.com/blink/?sku=3127-805>

4D-33 Question: AWP2 – Core Material Clarification

AWP2 Wall Panels are specified as Xorel Artform – Ridge by Carnegie with Mineral-fiber board core (per A9.22). However, according to Carnegie's product information, the standard core for this panel type and style is ECOSE Acoustical Substrate (a formaldehyde-free fiberglass material).

Please confirm:

- Should we use manufacturer's standard ECOSE core, or is Mineral-fiber board specifically required?

Response: Please proceed with ECOSE Acoustical Substrate per manufacturer's standard.

4D-34 Question: SPC1 – Metal Ceiling Confirmation

Metal ceiling is shown in Office #122 and part of Circulation #118 (gridlines AC–AE & 4–5). Please confirm these areas will receive SPC1 metal ceiling and provide installation details.

Response: Yes, confirmed these areas noted will receive SPC1 metal ceiling.

4D-35 Question: SPC1 vs. O.T.S. – Room #201 (Storage)

RCP A3.21 in Room #201 (Storage) notes O.T.S. – Open to Structure, but also depicts SPC1 metal ceiling.

Please confirm the correct ceiling type for Room #201:

- Is it open to structure, or
- Will SPC1 metal ceiling be installed?

Response: Storage Room to be OTS.

4D-36 Question: SPC1 Under Stairs

RCP A3.11A shows SPC1 metal ceiling below the stairs between gridlines AD–AE. Please confirm the extent of the SPC1 ceiling installation under the stairs:

- Will it be installed only on the flat horizontal surface, or
- Will it also continue along the sloped underside of the stairs?

Response: SPC1 is only to be installed on the flat horizontal surface (underside on the landing) not the sloped part.

4D-37 Question: SF1 – Exterior Metal Panel Soffit

RCP Legend (A3.11–A3.21) lists SF1 – Exterior Metal Panel Soffit, but SF1 is not found in the Finish Schedule or on drawings.

Please confirm:

- Does SF1 apply anywhere in the project?

Response: SF1 not used and can be omitted from the legend.

4D-38 Question: Fry Reglet Trim Locations – WD1 Plastic Laminate Panels
Finish Schedule (A9.22) calls for Fry Reglet Aluminum Trim for WD1 – Plastic Laminate Compact.

Please confirm:

- Where trim is to be applied: top, bottom, corners, and/or between panel joints?

Provide detail(s) if available.

Response: Panels are to be butt-joint. Trim should only be used on perimeter like at top and bottom of panels. Wherever there is an exposed edge of panel that is not joined by an adjacent panel there should be a trim to capture the edge.

4D-39 Question: Door 118 is a rated door in window opening 104. Is window 104 to be fire rated? If so, what is the fire rating desired?

Response: Rating is not required at Door 118 and Configuration 104. Schedule to be updated.

4D-40 Question: All of the windows on sheet A9.21 that are called out as 6" Storefront (101D & E, 109A & B, 104, 101, 102, 103, 201, and 202) are fire rated. The system called out in the fire rated spec section 081216.13 is not 6". Please acknowledge that the fire rated systems will be not be 6" and also advise as to what windows spec section 084113 Aluminum-Framed Entrances and Storefronts applies to.

Response: Rating is not required at these locations. Refer to updated schedule.

4D-41 Question: Sheet A9.22 calls out clear anodized finish for spec sections 084113 Aluminum-Framed Entrances and Storefronts and also 084400 Curtain Wall and Glazed Assemblies. Those spec sections call out a painted finish with a 20-year finish warranty. Clear anodized can only achieve a 10-year finish warranty. Please advise on desired finish and finish warranty and also consider spec sections 081216.13, 083513.13, 085619, and 089119.

Response: Anodized finishes are not considered painted finishes. Provide clear anodized finish as indicated on the drawings, with the standard manufacturer's warranty applicable to anodized coatings.

4D-42 Question: FFE List notes PTC285 cameras are by Crestron.

Please confirm PTC285 cameras specified are to be manufactured by DataVideo instead.

Response: Provide the camera type and functionality indicated on the drawings/specifications. Equals or equivalents are acceptable if performance and integration requirements are met.

4D-43 Question: Can we swap RedLam LVL for Parallam (PSL)? Specs below:

Beam Design Stresses

Orientation		RedLam™ LVL Beam/Joist	RedLam™ LVL Plank ⁽⁵⁾
Grade		2.0E	2.0E
Shear modulus of elasticity	G =	125,000 psi	125,000 psi
Modulus of elasticity	E =	2.0 x 10 ⁶ psi	2.0 x 10 ⁶ psi
Minimum modulus of elasticity	E _{min} =	1.0 x 10 ⁶ psi ⁽¹⁾	1.0 x 10 ⁶ psi
Flexural stress	F _b =	2,900 psi ⁽²⁾	2,845 psi ⁽⁶⁾
Tension stress	F _t =	1,660 psi ⁽³⁾	1,660 psi ⁽³⁾
Compression perpendicular to grain	F _{c⊥} =	750 psi ⁽⁴⁾	650 psi ⁽⁴⁾
Compression parallel to grain	F _c =	2,635 psi	2,635 psi
Horizontal shear parallel to grain	F _v =	285 psi	190 psi
Equivalent specific gravity	SG =	0.50	0.50

1. MANUFACTURER: PARALLAM PSL 2.0E WS BY WEYERHAEUSER.

2. PROPERTIES:

- **JOIST/BEAM ORIENTATION:**

E = 2.0x10⁶ PSI
 E_{min} = 1.017x10⁶ PSI
 F_b = 2900 PSI
 F_v = 290 PSI
 F_c (perp) = 625 PSI

- **FACE/FLAT/PLANK ORIENTATION:**

F_b = 2650 PSI
 F_v = 210 PSI
 F_c(pcrp) = 635 PSI

- **Axial:**

F_t = 2300 PSI
 F_c = 2900 PSI

Response: Not accepted at this time - bid per drawings. Alternate systems, such as Redlam or others, may be submitted as formal substitution requests after the bid period. Any proposed substitution will require review and approval of individual design calculations for each affected member.

4D-44 Question: Regarding Sheet S0.02 - Section Cast-In-Place Concrete - Line 2 does not specify a Lightweight Concrete Mix Design Strength.

Please specify a Lightweight Concrete mix design Strength for the concrete topping slab where occurs, eg..S2.21A, eg..S0.76, S0.77, S0.92

Response: Minimum compressive strength to be 2,000 PSI.

4D-45 Question: Regarding Detail 07/A10.91 indicates a 4" thick concrete topping at level 02, sheet S2.21a indicates a 1-1/2" lightweight concrete topping.

Please clarify the correct lightweight concrete topping thickness at Level 02.

Response: Thickness to match what is shown in structural drawings, refer to structural for thickness.

4D-46 Question: Regarding Sheet S2.21A calls for 1-1/2" Lt wt. concrete topping over Typical Sturd-I-Floor sheathing

Please clarify if there is to be a layer of 15# roofing paper between the Lightweight Concrete Topping and the Sturd-I-Floor sheathing layer.

Response: Yes - provide one layer of 15# asphalt-saturated roofing felt (or approved equivalent) between the Sturd-I-Floor sheathing and the 1-1/2" lightweight concrete topping.

4D-47 Question: "Regarding Detail 03/S3.01 indicates the Sill Plate Anchor Bolt does not penetrate the optional pour joint location.

Please confirm it is acceptable to lengthen the Anchor Bolt so it will penetrate in to the optional pour joint location with 7" embedment.

Response: No need to lengthen anchor bolts as #4 vertical dowels are provided to transfer loads.

4D-48 Question: Regarding Typical Detail 03/S3.01 indicates the slab pour back is at a 1 to 1 slope from the bottom of slab to the top of the footing below.

Please confirm that the 1 to 1 slope is a minimum and the slab pour back could be larger and/or squared off.

Response: Intent of slope is to reduce potential for soil sloughing that would create voids at slab-to-turndown interface as well assist with vapor barrier application. Angle of slope can be entertained as well as other contractor means-and-methods for ensuring the aforementioned.

4D-49 Question: Regarding Specification 03 30 00 - 8, paragraph 2.12, section B, line 1 - Calls for 100% of the target MOE at 28 days.

Due to the local aggregates, typically we see a 85% target of the MOE, Please confirm 85% target is acceptable

Response: No exceptions taken to the proposed.

4D-50 Question: Regarding Specification 03 30 00 - 8, paragraph 2.12, section B, Line 3 - Calls for Testing.

Please confirm that all MOE testing will be Laboratory testing and that No field testing is required.

Response: No exceptions taken to either means.

4D-51 Question: Regarding Specification 03 30 00 - 15, paragraph 3.09, section D, Line 1 - Calls for Specified overall values (SOV) of flatness, F(F) 25; and of levelness, F(L) 20; with minimum local values (MLV) of flatness, F(F) 17; and of levelness, F(L) 15,

Please confirm that the above flatness values are acceptable for the floor areas to receive the Polished Floor Finishes.

Response: Refer to spec section 03 35 03 for this information.

4D-52 Question: Please specify if/where specification 07 16 16 Crystalline waterproofing is to be utilized for this project.

Response: Crystalline waterproofing per Section 07 16 16 is required at the elevator pit slab and walls.

4D-53 Question: Please confirm that the typical Top of Footing and Top of Tie-Beams elevation is -18" below F.F., UNO.

Response: Contractor is to coordinate tops of footings and tie-beams relative to slab and foundation details noted on S300 series.

4D-54 Question: Per note #4 on S2.11A please confirm the Slab subgrade section is 5" over 6" (11" or .92') and Civil pad elevation per C1.3 should be 349.73' (Not 350.23')

Response: Confirmed.

4D-55 Question: Reference Slab pour method per detail F/S0.13, Note: ACI no longer recommends checkerboard/strip slabs pours due to slab edge curling issues.

- a. Please confirm that Large Block slab pours are acceptable per ACI in lieu of the checkerboard/strip slab pour method.

Response: The design team does not recommend exceeding the limits of a single monolithic pour per 1F/S0.12 as exceeding the limits increases the risk to curling and excessive shrinkage that will lead to cracking.

The noted pour sequence is what is traditionally recommended by ACI, as noted herein, as intended to help reduce the potential for cracking, curling, shrinkage, etc. when casting large areas of concrete slab. It is important to note that there is no known process to eliminate such phenomenon. Furthermore, this is not a structural integrity concern, but is a serviceability and aesthetic issue.

If contractor elects to proceed with the proposed sequence/method of construction, the contractor takes responsibility for the outcome of the concrete as outlined in the specifications. The proposed sequence/method and joint layout is to be processed as a submittal and is subject to review by design team as noted in 1/S0.13.

4D-56 Question: Please confirm that Anti-Microbial Coating for the Sheet Metal Ductwork per Mechanical Specification section 23 31 13-7 2.5 G is not required.

- a. This coating is not feasible due to possibility of scratching of the coating during transportation.
- b. We propose standard galvanized ductwork per SMACNA.

Response: Anti-microbial coating on sheet-metal ductwork is not required. Provide sheet metal per specifications. Apply anti-microbial coating on duct lining where lining is used, per mechanical requirements.

4D-57 Question: Please confirm that Anti-Microbial Coating for the Sheet Metal Ductwork per Mechanical Specification section 23 31 13-7 2.5 G is not required.

Typically for Community Center projects this requirement is being eliminated through the RFI process.

This coating is not feasible due to possibility of scratching of the coating during transportation.

We propose standard galvanized ductwork per SMACNA.

Response: Anti-microbial coating on sheet-metal ductwork is not required. Provide sheet metal per specifications. Apply anti-microbial coating on duct lining where lining is used, per mechanical requirements.

4D-58 Question: The FF&E list has 3 Dell servers on it. The Telecommunications responsibilities list calls for the Owner to provide the Network Equipment. Please clarify which item in the FF&E list is to be provided by the Owner and which are to be provided by the GC.

Response: Where network equipment is indicated as Owner-provided, the Owner provides it. Servers identified in the documents are contractor-provided unless specifically noted as Owner-furnished. City to confirm the final split during coordination/submittals. Equals or equivalents acceptable if requirements are met.

4D-59 Question: Please clarify the installation of the servers. Is there an OS to be installed? If so what is it.

Please be specific about the installation of this equipment.

Response: Contractor furnishes hardware (including rails/power cords) and verifies baseline operation. Owner IT will implement production operating systems/applications. Contractor provides network connectivity to the Owner demarcation located in the telecom/communication room.

4D-60 Question: The FF&E list calls for provide and install. There is no information on the "Installation" of these items. Example, the FF&E list shows 10 Crestron Encoders in room 103 and 25 Crestron Decoders also in room 103. Please clarify is the GC to mount these in a rack or just provide them to the Owner for distribution, mounting, configuration, wiring, etc.

Response: Furnish and install encoders/decoders as shown. Where a rack location is not indicated, provide manufacturer-approved mounting and coordinate the final location. AV contractor provides low-voltage cabling/labels; EC provides power and raceways.

4D-61 Question: Please confirm the assisted listening system package that is required for both Rooms 101 and 200.

Response: Provide assisted listening systems where indicated, meeting accessibility requirements. Coordinate receiver quantities and charging during submittals. Equals or equivalents acceptable if performance is maintained.

4D-62 Question: How much rack space will be allocated for AV headend equipment.

Response: Reserve the rack space indicated on the drawings. If no value is shown, assume a reasonable clear allocation for the documented equipment and coordinate final rack elevations in submittals.

4D-63 Question: Will power distribution be provided within the rack or does that need to be part of our bid. Please advise so we can bid accordingly.

Response: Provide rack-mounted power distribution within AV racks. EC to provide dedicated branch circuits as shown.

4D-64 Question: On page 6 of specification section 28 00 00 Electronic Security, subsection G references existing systems. Please confirm there are no existing security systems (IDS, ACS, CCTV/VSS) to be connected to as part of this project. If there are existing security systems to be connected to, please provide the specific manufacturer and type (IDS, ACS, CCTV/VSS) of the existing system.

Response: No integration to existing systems is required unless specifically indicated. Provide a new standalone security system per specifications.

4D-65 Question: On page 25 of specification section 28 00 00 Electronic Security, subsection A of 2.4 references Genetec or Avigilon. Given the fact that this is a new facility, please confirm that other manufacturers will be considered acceptable for this project.

Response: Provide the video management system per specifications. Equals or equivalents are acceptable if they meet all required features and integrations (subject to City approval).

4D-66 Question: On page 5 of specification section 28 13 00 Access Control, subsection B of 2.1 references existing Lenel Access Control System. On page 6 of specification section 28 13 00 Access Control section lists DMP as an approved manufacturer of the Access Control panel. Please confirm that is not the intent of this document to limit the ACS to Lenel and Lenel only, and DMP is an acceptable system for the ACS.

Response: Access control is not limited to one manufacturer. Provide a system meeting all performance, credentialing, and required integrations. Equals or equivalents acceptable subject to submittal review/City approval.

4D-67 Question: On page 5 of specification section 28 16 00 Intrusion Detection System (IDS), subsection A of 2.1 references Bosh product per SBCCD. This appears to be verbiage from a different project. Please confirm that is not the intent of this document to limit the IDS to Bosch and Bosch only, and DMP is an acceptable system for the IDS.

Response: Intrusion detection is not limited to one manufacturer. Provide a compliant system per specifications. Equals or equivalents acceptable subject to City approval.

4D-68 Question: On page 3 of specification section 28 23 00 Video Surveillance System (VSS), subsection D references an existing Digital Video Management System (DVMS). Sheet T0.00 and T0.01 state that Network Video Recorder, provided by Owner. Please confirm manufacturer and model number of NVR being provided by Owner as there is conflicting information in regards to the manufacturer of the VSS equipment required/being provided.

Response: NVR to be provided by the Contractor. NVR shall be a Blackjack Server by Digital Watchdog model:DW-BJRR2U or approved equal. Rack mount 240 TB storage, 600 MPS max video storage. Include 4 additional licenses to the 8 included for a total of 12. Attachment I – FF&E List has been updated to include this information.

4D-69 Question: On page 8 of specification section 28 23 00 Video Surveillance System (VSS), subsection C references Digital Watchdog (DW) cameras. Please confirm that is not the intent of this document to limit the VSS cameras to DW and DW cameras only.

Response: Provide cameras meeting the specified performance and compatible with the selected VMS. Equals or equivalents acceptable subject to City approval.

4D-70 Question: Interior stairway railings shown on 1/A7.21 and A10.52 call out for cable rails. Exterior stairway railings shown on A7.22 depict more cable railing, but details 1, 2, & 3 on A10.51 show some kind of fabricated metal panel railing that does not match the elevations or enlarged stair plans. These panels are connected to a structural beam that refers to sheet S0.10, which doesn't exist. Please confirm the railing type at the exterior stairway and confirm the correct stair and handrail details.

Response: Interior stairs are to have a handrail that is to be a painted pipe rail. Guardrail is to be cable railing with a flatbar top.

4D-71 Question: Floorplan A2.21, building section 1/A6.11, and wall section 3/A6.23 all call out 7/A10.91 for a detail of the 2nd floor exterior deck railing. This seems to be the only detail on this railing, yet it does not specify what kind of railing this is. Please confirm what kind of railing this is.

Response: The top is to be a flatbar with cable rails below.

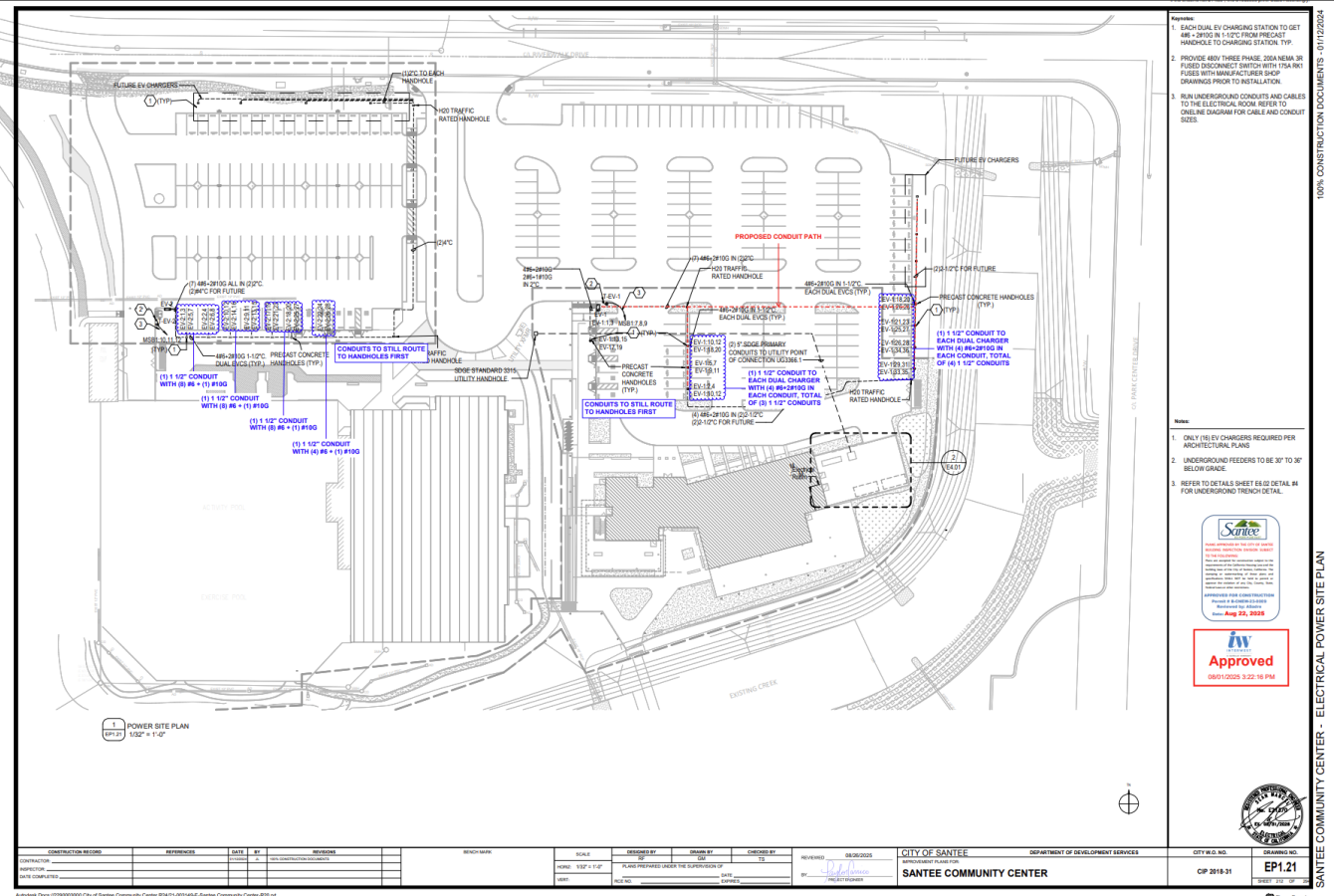
4D-72 Question: On the general notes sheet S0.04, the EWP specs call for three different manufacturers for the different products (Parallam – Weyerhaeuser, Microllam – Redbuilt, Versallam – Boise Cascade). It is unusual that three different manufacturers be specified on a project like this as all three companies make equal equivalent products for each of these; do you know if equal substitutions will be acceptable from other manufacturers i.e., all three from Boise?

Response: Conceptually acceptable. Per note #13 of "general" section of general notes (S0.01), proposed substitutions would need to be submitted as an RFI for design team review to verify that proposed materials are deemed equal to those specified in the approved drawings.

4D-73 Question: Sheets A3.11 and A3.21 have notes and symbol for motorized rolling shades. Please advise where the shades are to be located.

Response: Motorized rolling shades to be located above openings 101A and 101B.

4D-74 Question: Upon review of drawing EP1.21 - Drawing calls out for (7) sets of (4) #6 and (2) #10 in (2) 2" conduits, each conduit would have (14) current carrying conductors. The adjustment factor for (14) current carrying conductors is 50% based on Table 310.15(B)(3)(a), a #6 is rated at 75 amps, at 50% would be 37.5 amps which cannot be used on a 40 amp breaker. Please see attached drawing for Dynalectric's proposed new conduit routing, conduit size, conductor count, please advise.



Response: Revise circuit routing so that current-carrying conductors per raceway remain within applicable derating requirements. A 7x2" conduit scheme with redistributed circuits is acceptable. Final routing will be clarified by addendum. Price per this direction.

4D-75 Question: Upon review of drawing EP1.21 - Drawing calls out #6 size wire to feed group of (4) Dual EV Chargers on far East side of Parking Lot. Distance from Panel EV-1 to Chargers is well over 260'. Per ChargePoint CT4000 manual the Dual Charger specifications show 30A needed, #6 at that distance due to voltage drop is not recommended, please confirm if #6 wire is to be used. Please see attached Sheet EP1.21.

Response: Increase conductor size as required to meet the project voltage-drop criteria at the specified load and distance. #4 AWG is acceptable. Final sizing to be confirmed during submittals.

4D-76 Question: RFI response 2D-22 in Addendum 2 states: Provide motorized roller shades for main event space over openings 101A & 101B. 101A and 101B are each ~26' long Nanawall systems. Roller shades from the specified manufacturer shown on the finish schedule do not come in 26' lengths. Please advise on shade dimensions and configurations at these locations.

Response: Seams can be provided to ensure that the shade fits based off the opening. If shades need to be broken up to fit properly, breaks should be placed to align with the leaves of the Nanawall.

4D-77 Question: Detail 12/A10.23 shows the Nanawall head condition with no roller shade headbox or fascia apparent. Aside from the fascia color specified on the finish schedule, there are no other roller shade details elsewhere in the plans. Please advise on fascia position, installation, etc., details for roller shades above these Nanawalls.

Response: Provide motorized roller shades for main event space over openings 101A & 101B.

4D-78 Question: Detail #2 of sheet E6.02 states one-sack slurry backfill is required for trenches in paved areas. However, specification section 332333-2.05(A) states slurry is not permitted for trench backfill. Please clarify the design intent for trench backfill in paved areas.

Response: Do not use one-sack slurry backfill in paved areas. Provide trench backfill per Division 33/Civil specifications. The detail will be updated to align with the specification; bid per the specification.

4D-79 Question: Note #4 of detail #2 on sheet E6.02 states the concrete mix design for the SDG&E service feeders (per the response to RFI #1D-34). It is shown as "Concrete mix per city of Burbank". Please confirm this is the correct concrete encasement mix design for the SDG&E service feeder conduits.

Response: Replace the referenced encasement note with the applicable local utility standard where utility service conduits are involved. This correction will be issued; bid per the utility requirements.

4D-80 Question: There is a spec for window coverings, roller shades. Page A9.22 shows RS-1 is for shades. However, there are no marking on the floor plans, RCP pages etc. for RS. Please advise.

Response: Provide motorized roller shades for main event space over openings 101A & 101B.

4D-81 Question: Please confirm that the 1G Senecio serpens and groundcover in the biobasin mix follow triangular spacing.

Response: Yes, biobasin plants shall be triangularly spaced as per Planting spec 32 90 00, Section 3.3.E.

4D-82 Question: Please confirm that drainage sumps are not required for 60B trees. If they are required, please provide the dimensions and installation details.

Response: Percolation tests are required for each proposed tree location per Spec section 32 90 00 Section 3.2.C to determine need for, and quantity of, sump drains. Sump drains are detailed on the tree details.

4D-83 Question: With reference to Detail 3/L3.51, please confirm that there is only one drainage sump hole required for trees on slopes.

Response: See response to 4D-99.

4D-84 Question: Detail 4/L3.51 indicates the drainage hole should be backfilled with washed coarse sand, while Section 329000/2.9 specifies 3/8" crushed rock. Please confirm the correct backfill material.

Response: If sumps are required per percolation tests, installed washed coarse sand in sump as shown on details.

4D-85 Question: The soil amendment rates listed in Section 329113/2.3 differ from those in Section 329113/3.5. Kindly clarify which rates apply.

Response: Use import and in-place amendment amounts to establish bid in 2.3 Mixes, A. and C. Final mixes will be determined by soil test results as stated in spec.

4D-86 Question: Section 329113/3.5 provides different amendment rates for soil receiving imported topsoil and soil not receiving it. Please clarify which planting areas are to receive imported topsoil and which are not.

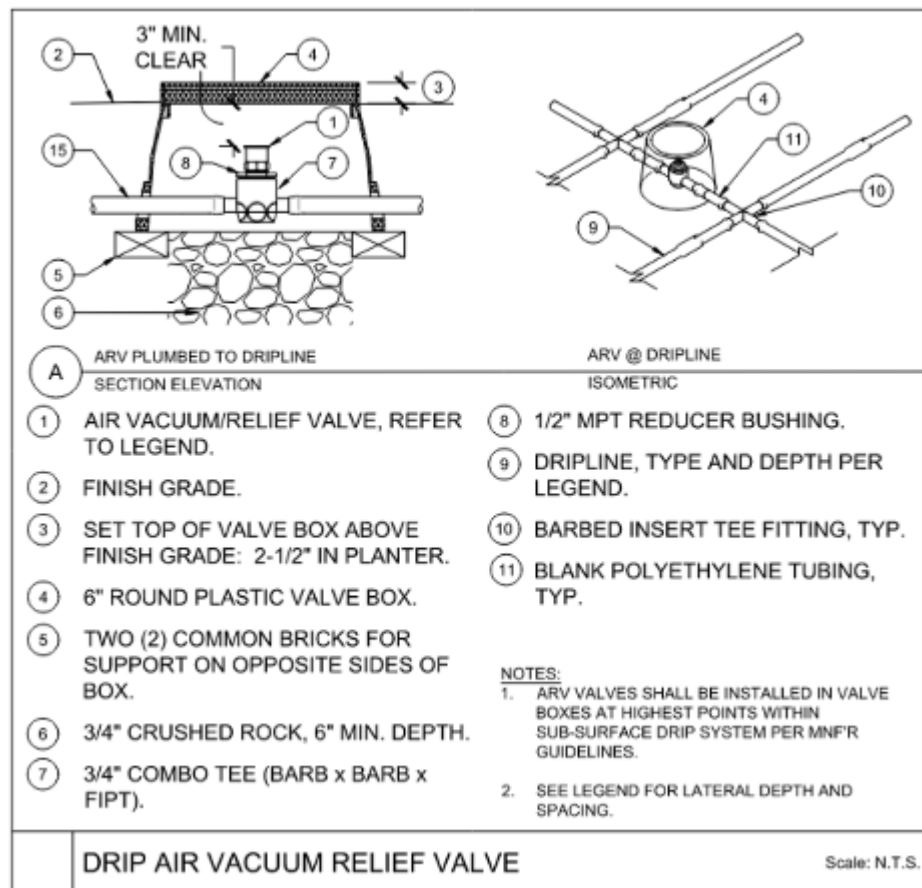
Response: Will be dependent on soils testing what, if any, of the areas need soil replacement vs soil amendment.

4D-87 Question: Please provide the technical specifications for the biofiltration system shown on Sheet C1.3.

Response: Refer to C1.11 for biofiltration details

4D-88 Question: Please provide the installation detail for the air relief valve shown on Sheet L2.02.

Response: See detail below.



4D-89 Question: Please confirm that the irrigation system uses reclaimed water, and that all irrigation components such as valve boxes and ID tags shall be purple in color.

Response: Correct and potable water piping is white in color. Refer to the irrigation legend sheet L2.02 which identifies colors of piping and components.

4D-90 Question: Detail 8/L2.52 Note 16 indicates to omit the ball valve when used on a manifold, while Detail 4/L2.51 shows ball valves for each RCV. Please clarify.

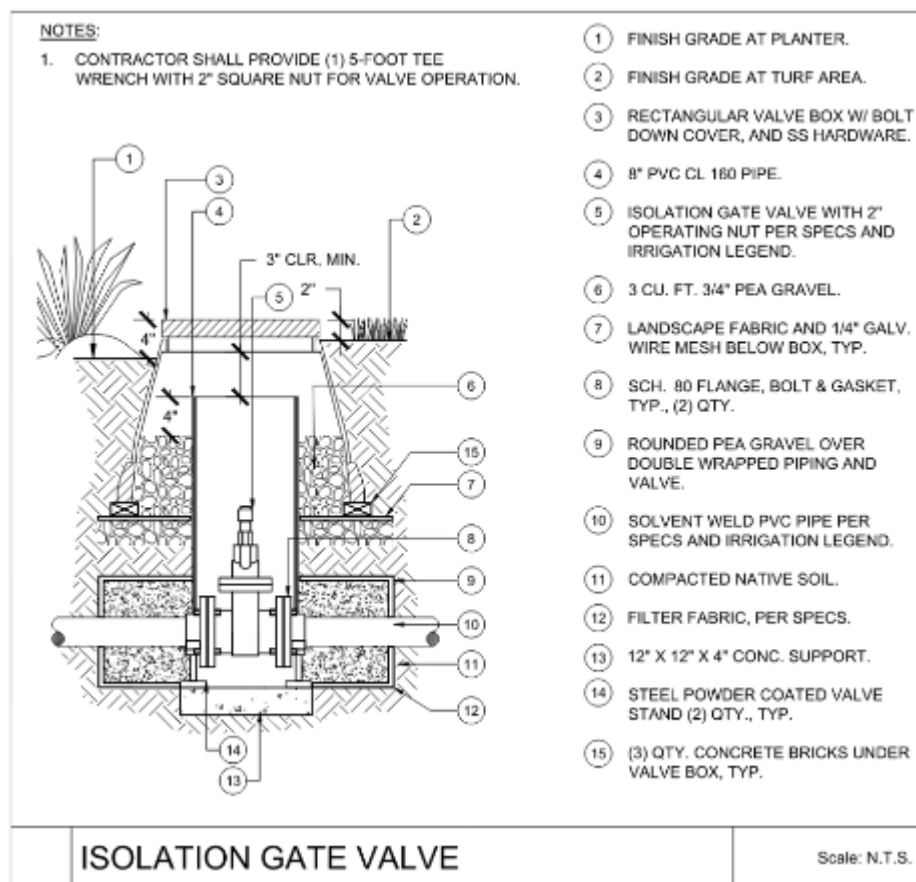
Response: Install a manifold ball valve and a ball valve prior to each remote control valve.
Note 16 is incorrect.

4D-91 Question: The master valve model shown on Sheet L2.02 as C815-4SA-EC-NO-F does not appear to be available. Please provide the correct model.

Response: Master valve for recycled water irrigation system shall be 3" brass body, normally closed type, EPDM diaphragm, 24 VAC, no minimum flow operation, suitable for use with recycled water and to the size noted on the plans as manufactured by Superior, Model No 3200 or approved equal.

4D-92 Question: Please provide the installation detail for the F-619-RWS-SON gate valve.

Response: See detail below.



4D-93 Question: Please confirm whether the irrigation wiring system is conventional or two-wire. If it is a two-wire system, please provide the decoder model and installation guidelines.

Response: Conventionally wired system.

4D-94 Question: Please confirm the required depth of Class II base when irrigation pipes are placed under vehicular pavement, as referenced in Detail 2/L2.51.

Response: It depends upon the pipe depth. The base fills the trench to the bottom of paving after the sand backfill is placed. If the pipe depth is 24", the trench depth is 30" (6" sand bed below pipe). 30" trench depth minus 12" sand equals 18" of base. If the pipe depth is 30", it would require 24" of base.

4D-95 Question: The sand backfill depth shown in Detail 2/L2.51 is 3 inches below and above the pipe, but Section 328400/3.4C states 6 inches. Please confirm the correct depth.

Response: The detail states 6" of sand below the pipe and 6" of sand above the pipe for a total sand depth of 12".

4D-96 Question: There is a specification 078100 however, the building per code does not require fireproofing. Please confirm no fireproofing is required.

Response: Fireproofing is required; provide as noted in drawings.

4D-97 Question: Door #114 at Janitor Room is noted as HM on door schedule drawing A600, however the jamb and head details shown are for Aluminum door. Please confirm this door to be aluminum.

Response: Door to be hollow metal; details updated to reflect this.

4D-98 Question: Drawing A222 shows det. 18/A831 at keynote 08.24 (Exist, Coiling Grille) in Lobby 200. Det. 18/A831 is a soffit drop detail and does not show the coiling grille, and there is no change in ceiling height at this location. Please clarify this detail.

Response: These sheets do not appear to be associated with this project.

4D-99 Question: Drawing A203 shows wall type F7.AG at North Wall of Gaming Room #306, however, this wall type does not exist, please clarify this wall type.

Response: These sheets do not appear to be associated with this project.

4D-100 Question: Drawing A203 shows wall type K1 at West Wall of Storage Room #203, however, this wall type does not exist, please clarify this wall type.

Response: These sheets do not appear to be associated with this project.

4D-101 Question: Elevations 1-4/A522 show detail 2/A810 at the existing perimeter walls. These walls are existing 2x6 studs per drawing S101 with wood paneling removed per demo drawings. Do these existing walls have plaster or drywall under the paneling and at areas with no paneling? Will we need to demo existing finish and add backing per detail 2/A810? Please clarify the scope of work at these walls.

Response: These sheets do not appear to be associated with this project.

4D-102 Question: GB2 on RCP Legend notes Armstrong Acoustibuilt Gypsum Board (ADD ALTERNATE) however, this is not listed in specification 01 23 00 Alternates. Please clarify if this is an Alternate. If yes, what occurs in the base bid at these locations?

Response: These sheets do not appear to be associated with this project.

4D-103 Question: Specification section 05 40 00 calls for Shop drawings and calcs. Stamped by a structural engineer, however, the structural drawings already have some framing details on S0.51 & S0.52. Please clarify if we still need to have the metal stud framing engineered with calcs.

Response: Build per drawings.

4D-104 Question: Specification 07 24 23 Exterior Plaster Repair – Please confirm we were to pressure wash the existing plaster and install a new textured elastomeric finish at all plaster locations.

This specification says as indicated, however, nothing is indicated on the drawings.

Response: There is no specification 07 24 23 that is part of the project manual.

4D-105 Question: Specification 07 24 23 Exterior Plaster Repair – Please confirm we are to provide a separate unit price for Work Categories A – E and also one for Deep Repair.

Response: There is no specification 07 24 23 that is part of the project manual.

4D-106 Question: There is a specification 09 22 00 Acoustical Plaster, however, there is none shown on the drawings, Please confirm no acoustical plaster is required.

Response: There is no specification 09 22 00 that is part of the project manual.

4D-107 Question: Is Document 00430 – Contractor Information & Experience Form, items A-E due at the time of bid?

Response: Yes, 00430 – Contractor Information and Experience Form in its entirety is required at time of bid.

4D-108 Question: Is the sound barrier described in article 10 of the special conditions the responsibility of the rough carpenter trade? If so, please provide construction details illustrating the required method of assembly.

Response: Yes, 00430 – Contractor Information and Experience Form in its entirety is required at time of bid.

4D-109 Question: Reference the Geotech report and sheet S00.1. For purposes of an equal bidding field, please define the soil mitigation method to be bid. Also, provide the spacing, depth and other information necessary as the basis of bid. Once awarded, make the necessary contract adjustments after test piles are installed and final design is approved, as would be typical.

Response: Soil / ground improvement performance specifications are noted on S0.01 and are the responsibility of the specialty contractor for the design, approval and construction.

4D-110 Question: Sheet S0.02 - Section Cast-In-Place Concrete - Line 2 does not specify a Lightweight Concrete Mix Design Strength. Please specify a Lightweight Concrete mix design Strength for the concrete topping slab where occurs, eg..S2.21A, eg..S0.76, S0.77, S0.92

Response: See response to 4D-48.

4D-111 Question: Detail 07/A10.91 indicates a 4" thick concrete topping at level 02, sheet S2.21a indicates a 1-1/2" lightweight concrete topping. Please clarify the correct lightweight concrete topping thickness at Level 02.

Response: Thickness to match what is shown in structural drawings, refer to structural for thickness.

4D-112 Question: On page A8.11 Lobby East shows to be AWP 2, but does not show a layout. Would this be the same as the west side? Also on page A8.13 note 1 & 2 show AWP1 but does not show a layout. Please confirm what the layout should be?

Response: No, AWP2 on the east wall (2/A8.11) is the AWP2 found under 09 78 13 - Metal Interior Wall Paneling found on the A9.22 sheet

4D-113 Question: Reference Spec Section 28 23 00, 2.2.B.2. Please confirm 200tb storage for 13 cameras, are there any approved substitutions?

Response: The listed storage capacity is a placeholder. Size storage to meet the specified retention, camera count, resolution, and frame rate. Submit storage calculations with shop drawings. Equals or equivalents acceptable if requirements are met.

4D-114 Question: Reference Spec Section . Please confirm if an XR550 DMP panel is a valid solution for ACS.

Response: Access control solutions that meet the specified functions and integrations are acceptable. Equals or equivalents may be submitted for review/approval.

4D-115 Question: Please explain the "The video surveillance system shall report to the Lenel Access Control Software to manage video systems and cameras, along with integrated alarms with the Access Control System" on 28 13 00-7

Response: Provide integration between the video management system and access control for event linkage/command functions using supported interfaces. No specific brand is mandated; equals or equivalents are acceptable if integration requirements are met and approved by the City.

4D-116 Question: Spec 092216, 1.02C, requires engineering for loads. There are very few metal studs on this project. Please confirm engineering is required.

Response: For assemblies not otherwise addressed in manufacturers' published design load tables, provide analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

4D-117 Question: Sheet A10.11/7 calls out for plaster over lath with integral weather barrier. Please provide a product name for this type of lath.

Response: Provide lath per spec 09 2400. Weather barrier to be provided per spec 07 2500.

4D-118 Question: R410A has been phased out of usage. Please confirm DX/VRF equipment model numbers and pipe sizes are accurate.

Response: Provide refrigerant in accordance with the selected equipment and applicable codes at time of procurement. Piping shown is conceptual; finalize line sizes with the selected manufacturer's submittal and verify oil return and pressure drops.

4D-119 Question: What is the Basis of Design (BOD) or required manufacturer (e.g., Notifier, Siemens, etc.) for the new Fire Alarm Control Panel (FACP) and devices?

Notes: The general specification requires FACP/devices, and the deferred submittal note outlines the submission of voltage drop and battery calculations stamped by a Fire Protection Engineer, but a specific manufacturer BOD is needed to ensure compliance and compatibility.

Response: Provide a single, cohesive fire alarm system and device family per the specifications. Equals or equivalents are acceptable subject to compliance and AHJ approval. Include stamped voltage-drop and battery calcs with the deferred submittal.

4D-120 Question: What is the specified model number, manufacturer, and location for the Fire Alarm Annunciator Panel (FAAP) that the Post Indicator Valve (PIV) relay must be wired to?

Notes: The PIV must provide relay and wiring to the FAAP, and the FAAP is required in the Elevator system. We need the specific FAAP details for Division 26/28 electrical scope pricing and coordination.

Response: Provide a remote annunciator at the primary public entry near the fire riser/fire command location unless otherwise directed by the AHJ. The PIV supervisory signal shall report to the control unit and annunciate at the remote panel. Final device/location to be coordinated during submittals.

4D-121 Question: What are the final approved dimensions (length, width, and height) of the Communication/Server Room for the required sizing of the Inergen Fire Suppression System?

Notes: The Inergen system is required only for the communication/server room. Precise room volume is critical for accurate clean agent system design and cost determination (Division 21).

Response: Provide the clean-agent design based on field-verified room volume during submittals. Meet the specified hold-time and coverage requirements.

4D-122 Question: Please provide the specific Sequence of Operations (SOO) for the required global HVAC shut down upon activation of the Fire Alarm/Fire Sprinkler/Inergen Systems, confirming integration compatibility for all required mechanical units (e.g., BMS, ERV, VRF, etc.).

Notes: The Special Conditions mandate that the FAS/Inergen and HVAC system must be designed to provide a global HVAC shut down. This complex integration affects Divisions 23, 26, and 28.

Response: Provide a written Sequence of Operations for global HVAC shutdown upon activation of the fire alarm/sprinkler/clean-agent system. Depict all interlocks and interfaces on the FA and mechanical risers. Coordinate integrations across trades (FA scope by others).

4D-123 Question: Please confirm the minimum amount of time prior to construction that the Electric Vehicle Charging Stations deferred submittal documents must be approved, given that underground conduit and foundations for Phase 1 must be completed early in the project.

Notes: The Commissioning Plan has a 60-day NTP deadline. Other deferred items, including EV Chargers, must be approved prior to construction. Clarification is needed on the exact deadline relative to the Phase 1 NTP.

Response: The EV charging system is a deferred submittal and shall be approved prior to any work affecting EV foundations or underground. For bidding, assume approval sufficiently in advance of Phase 1 underground to allow normal coordination.

4D-124 Question: What specific BIM coordination procedure or minimum required software format (e.g., Navisworks, Revit Model) is mandated for the submission of Coordinated Shop Drawings?

Notes: Coordinated Shop Drawings are a mandatory submittal prior to installation, and the Contractor must provide CADD generated drawings. The level of detail and clash detection protocol must be defined for proper trade coordination pricing.

Response: "Provide coordinated shop drawings per Section 01 31 00 - Project Management and Coordination. Drawings shall be CAD-generated and clearly illustrate spatial and systems coordination among all trades.

There is no specific BIM coordination software or format mandated in the Contract Documents. Submit electronic drawings in AutoCAD (.DWG) format unless otherwise directed by the Architect or Engineer during coordination meetings."

4D-125 Question: Will a Testing, Adjusting, and Balancing (TAB) Contractor certified by a recognized agency other than AABC (e.g., NEBB or TABB) be accepted as an "approved equal"?

Notes: The specification currently mandates TAB by a contractor certified with AABC. To ensure competitive bidding, confirmation of acceptable alternatives is needed.

Response: TAB shall be performed by a certified firm per specifications. NEBB/TABB (or equivalent) certifications are acceptable if acceptable to the City. Provide a sample report and certification with the submittal.

4D-126 Question: "Please clarify the specific scope of work for the Electrical Contractor related to the localized network lighting controls, specifically detailing: 1) Furnishing requirements (Lutron BOD or equal manufacturer); and 2) Programming and commissioning scope for the system.

Notes: The lighting spec is open to localized network lighting controls, but references Lutron wall stations. The precise division of labor between the Electrical Contractor (EC) and a potential specialty controls vendor needs definition for pricing

Response: Provide a complete localized network lighting controls system, including gateways, wall stations, sensors, networking, and manufacturer-certified startup. Include programming for scenes/schedules by the controls vendor with EC coordination.

4D-127 Question: Please provide the specific location, detail, and required coordination documentation for the Emergency Stop Switch located outside the generator enclosure, as required by CEC 445.18.

Notes: The EC is required to coordinate the exact location of the E-Stop with the manufacturer. A detail or clearer direction is needed for pricing and installation layout.

Response: Provide an exterior, lockable, weatherproof emergency stop station adjacent to the generator enclosure primary access door, coordinated with the generator submittal. Confirm final mounting height/side during submittals.

4D-128 Question: Please confirm the responsibility for providing the data drop/cabling needed to connect the Intelligent Access Control Panels (Division 28) to the Owner's network, as this may conflict with Telecom Contractor (Division 27) scope.

Notes: The security specs state the IACPs connect to the Owner's network via a data drop provided by the telecommunications contractor, while electrical typically provides conduit/raceway. This coordination needs explicit confirmation for Division 27 and 28 bid packages.

Response: Division 27 provides the data drop/cabling to each Intelligent Access Control Panel location. Division 28 provides the panels, device wiring/configuration, and patch leads. EC provides raceways and power as shown.

4D-129 Question: Is the communication wire and conduit required to connect Irrigation Controller 'F' and Controller 'Y' (to share the Master Valve and Flow Meter) to be furnished and installed by the Electrical Contractor (Division 26) or the Irrigation Contractor (Division 32)?

Notes: The requirement to connect the two controllers is noted, but the responsibility for this inter-trade wiring must be defined for scope purposes.

Response: Communication wiring connections between the replaced controllers and replaced master valve and flow sensor are to be made by the Irrigation Contractor. There is an existing conduit and communication wires from the controller location to the master valve and flow sensor location that can be reused if in good working condition or replaced if not.

4D-130 Question: Please specify HD @ Grid 3 below Grid AE on Foundation Plan S2.11A & 2nd Floor Plan S2.21A.

Response: Provide 'HHDQ11' at foundation level; provide 'HDU2' at second floor level.

4E SUBSTITUTIONS

4E-1 Sunflex SF 55 has been approved as an equal product for the Nana Wall SL70 for the project. The attached cut sheets are provided as additional information.

Thank you,



Taylor Carrico
Assistant Engineer

Attachment I - Fixtures Furnishings and Equipment

ADDENDUM 4

All listed items are to be furnished and installed by the Contractor for the Santee Community Center (CIP 2018-31) project.

ROOM NUMBER	ROOM DESC.	QUANTITY	MANUFACTURER	TAG	PRODUCT NAME	MODEL NUMBER	PRODUCT TYPE	DIMENSIONS	FINISHES
100	Reception/ Lobby	2	Herman Miller	BNCH1	Nelson Platform Bench	PB72WUL	Bench Seating	Overall: 18.5"D X 72"L Seat: 14"H	Shell/Body: Natural Maple, UL Frame/Legs: Ebonized Wood
100	Reception/ Lobby	4	KI Furniture	SOFA3	Tattoo Slim Seating	TLS800/FC	Lounge Seating	Overall: 44"W X 22"D X 29"H Seat: 18"H	Back: Pallas - Bench - Echo 27.356.032 Seat: Pallas - Deja Vu - Riffle 27.273.134 Base: Warm Grey
100	Reception/ Lobby	2	KI Furniture	TAOC5	Tattoo Slim Seating	N/A	Occasional Tables	Overall: 22"W X 22"D X 18"H	Tabletop: Beigewood LBZ Base: Pallas - Deja Vu - Riffle 27.273.134 Legs: Warm Grey
100	Reception/ Lobby	1	Cardiac Science		Cardiac Science Powerheart G5 AED	Semi Automatic (Has shock button)	AED Device		
100	Reception/ Lobby	1	AED Brands.com		Standard AED Wall Cabinet with Alarm	SKU: SWSM-A	AED Cabinet (alarmed)		
101	Event Center	160	Mity Lite	CHSD4	Grand Banquet Chair	N/A	Stacking / Nesting Chairs		
101	Event Center	160	Mity Lite	CHSD5	Flexone Lx Folding Chair	N/A	Stacking / Nesting Chairs		
101	Event Center	1	MityLite	MISC1	Magnattach Dance Floor	N/A	Dance Floor	Overall: 28' x 28' x 0.8"D Panel Weight: 41 lbs.	Floor: Beigewood 7850HW-60 Edge: Silver Sand
101	Event Center	4	Mity Lite	MISC2	Versaroll Stage	N/A	Stage	Overall: 8'L x 6'W x 16-24"H Weight: 350 lbs.	Floor: Black Carpet Frame: Steel
101	Event Center	2	Mity Lite	MISC3	Basic Stairs Staging Accessory	N/A	Stage Components	Height: 24"H	Steps: Non-slip PolyTrac Resin Step Edge: Anodized Aluminum
101	Event Center	1	Mity Lite	MISC4	Stage Access Ramp	N/A	Stage Components	Overall: 4'-11 19/32"H x 25'-10 7/32"L x 4' 9/16"W Height: 24"H	Ramp: ASTM specified steel - non-skid, quad-ripple surface
101	Event Center	1	MityLite	MISC5	Xpressport Cocktail Cart	N/A	Table Cart	Overall: 69"H x 32"W x 44"L Weight: 125 lbs.	N/A

Attachment I - Fixtures Furnishings and Equipment

ADDENDUM 4

ROOM NUMBER	ROOM DESC.	QUANTITY	MANUFACTURER	TAG	PRODUCT NAME	MODEL NUMBER	PRODUCT TYPE	DIMENSIONS	FINISHES
101	Event Center	1	MityLite	MISC6	Xpressport Space Saver Cart	N/A	Table Cart	Overall: 48"H x 32"W x 40.5"L Weight: 90 lbs.	N/A
101	Event Center	3	MityLite	MISC7	Xpressport Round Table Cart	N/A	Table Cart		
101	Event Center	24	MityLite	TAMP3	ABS Round	N/A	Folding Table, Round		
101	Event Center	12	MityLite	TAMP4	ABS Rectangle	N/A	Folding Table, Rectangle		
101	Event Center	8	Mity Lite	TAOC10	Reveal Cocktail Table	N/A	Occasional Tables		
101	Event Center	1	United States Flag Store	BNDL_KUSA 35I	Super Tough Indoor Flagpole Kit - American Flag		American Flag with Portable Stand		
101	Event Center	1	United States Flag Store	BNDL_KSCA 46I	Super Tough Indoor Flagpole Kit - California Flag		California Flag with Portable Stand		
101	Event Center	3	Mity Lite	CRTTREE1	Folding Chair Tree Cart	N/A	Folding Chair Cart	77.5" H x 32"W x 43.75"L Full-Tree Cart fits 72 FlexOneLX Chairs	
101	Event Center	3	Mity Lite		XpressPort XpressLink Cart	N/A		46" x 20.2" x 35" - holds 6 grand banquet chairs	
101	Event Center	1	Safco	328493	Safco Impromptu 46" Lectern		Lectern		
101	Event Center	1		Carlisle 7550094	Mobile Carlisle 7550094 Cherry Wood Maximizer Portable Bar	2717550chrwd	Portable Bar	Width: 56", Depth: 26 1/2", Height: 48"	Cherry Wood
102	Kitchen	1	Bunn		12 Cup Automatic Coffee Brewer with 3 Warmers	CWTF15-3, Stainless Funnel (2 Upper/1 Lower Warmer)	Commercial Coffee Pot (Multi Burner)		
102	Kitchen	1	Mars		ETL Sanitation Certified Front Door (N2)	N236-1UA-OB	Air Curtain		

ROOM NUMBER	ROOM DESC.	QUANTITY	MANUFACTURER	TAG	PRODUCT NAME	MODEL NUMBER	PRODUCT TYPE	DIMENSIONS	FINISHES
102	Kitchen	1	ULine	H-1852	Rubbermaid Service Cart		Service Cart	41 x 20 x 38	Black
102	Kitchen	2	ULine		Rubbermaid Brute Trash Cans - 44 gal	H-1046	Trash		Black
102	Kitchen	2	ULine		Rubbermaid Brute Trash Cans - 32 gal	H-1045	Recycle		Blue
102	Kitchen	2	ULine		Rubbermaid Brute Trash Cans - 10 gal	H-1853	Compost		Green
102	Kitchen	6	ULine		ULine Dolly	H-7928	Trash Dollies		
103	Telecom/Server Room	3	Dell			R750 with 3 TB usable SSD storage,RAID-5/RAID-	Servers		
103	Telecom/Server Room	1	Cybernetics			iSAN 4520	Network Storage		
103	Telecom/Server Room	2	HP Aruba			5406R ZL2	Switches		
103	Telecom/Server Room	6	Aruba			AP-615	Wi-Fi Routers		
103	Telecom/Server Room	1	Treplite			SU16KRTG	UPS Battery Backup		
103	Telecom/Server Room	1	FortiGate			400F	Fortinet		
103	Telecom/Server Room	1	Cablecast LIVE Multi			CBL-LIVE-MULTI	Cablecast Cablecast LIVE Multi-Output Streaming Video Server for up to 4 live streams		
103	Telecom/Server Room	1	Cablecast			CBL-VIO2	Cablecast VIO 2 10TB internal RAID5 storage (expandable to 40TB). Redundant Power.		
103	Telecom/Server Room	1	Crestron			CP4N	Control Processor CP4N		

ROOM NUMBER	ROOM DESC.	QUANTITY	MANUFACTURER	TAG	PRODUCT NAME	MODEL NUMBER	PRODUCT TYPE	DIMENSIONS	FINISHES
103	Telecom/Server Room	6	Crestron			TSW-770 (7")	Touch Panels		
103	Telecom/Server Room	10	Crestron			DM-NVX-363 Encoder (4K)	Video Distribution		
103	Telecom/Server Room	25	Crestron			DM-NVX-363 Decoder (for each TV)	Video Distribution		
103	Telecom/Server Room	1	Crestron			Crestron DSP-1282	Audio DSP		
103	Telecom/Server Room	6	Crestron			AMP-X300 (per room)	Amplifiers		
103	Telecom/Server Room	20	Saros			SAROS IC6T (4–6 per room)	Speakers		
103	Telecom/Server Room	12	Shure MX			Shure MXA920 (or equiv.)	Microphones		
103	Telecom/Server Room	6	Crestron			PTC285	Broadcasting Cameras		
103	Telecom/Server Room	1	Room Alert			32S	Room Alert		
110	Open Office	3	Steelcase	ACCS1A	Sarto Screen	N/A	Desk-Mounted Screens	Overall: 60"W x 24"H x 5/8"D	Screen: Verve Briquette FC1 - AMQ Solutions Brackets: Black F3 - AMQ Solutions
110	Open Office	6	Steelcase	ACCS1B	Sarto Screen	N/A	Desk-Mounted Screens		
110	Open Office	3	Steelcase	CHTK2	Steelcase Series 1	435A00	Other Work Chairs	Overall: 36.5"-41.25"H x 27"W x 21"-23.75"D Seat Height: 16.5"-21.5"H	Back: 3D Microknit - Peacock 5T33 Seat: Designtex - Everywhere Texture 4147 - Pine 509 Frame/Base: Near Black 6295 Options: 3D Microknit Back, Black color scheme 6205
110	Open Office	3	Steelcase	DSKF1	Migration SE	MGSLTRQ	Height-Adjustable Tables / Systems	Overall: 29"W x 58"L x 22.6"-48.7"H	Tabletop: Clear Maple 2409 Legs/Frame: Merle 7360

Attachment I - Fixtures Furnishings and Equipment

ADDENDUM 4

ROOM NUMBER	ROOM DESC.	QUANTITY	MANUFACTURER	TAG	PRODUCT NAME	MODEL NUMBER	PRODUCT TYPE	DIMENSIONS	FINISHES
110	Open Office	1	Steelcase	STOR10A	Universal Lateral File Storage with Surround	RAFSL & RLF18303P	Private Office Groupings	Overall: 60.1875"L x 18"D x 40"H File Cabinet - Individual: 30"W x 18 7/8"D x 40"H	File Surround: Clear Maple 2409 File Cabinets: Arctic White 7241
110	Open Office	1	Steelcase	STOR1A	Universal Storage	RSC18426QP	Private Office Groupings	Overall: 42"W x 18 7/8"D x 83 1/2"H	Metal Finish: Arctic White 7241
110	Open Office	3	Steelcase	STOR1B	Universal Storage	RSC18366QF	Private Office Groupings	Overall: 36"W x 18"D x 83 1/2"H	Metal Finish: Arctic White 7241
110	Open Office	1	Bunn		12 cup low profile pour over coffee brewer with 1 warmer	VP17-1, Stainless (1 Lower Warmer)	Coffee Pot		
110	Open Office	1	Maytag		36-inch wide French Door Refrigerator	MFT2772HEZ	Refrigerator/ Freezer (36" Standard)		
110	Open Office	1	Cuisinart		4-Slice Classic Toaster - Black Stainless Steel	CPT-180BKSP1	Toaster/Toaster Oven		
110	Open Office	1	Panasonic		1.2 Cu. Ft. 1200 Watt Countertop Microwave Oven, Stainless Steel	NN-SN66QS	Microwave		
122	Reception Desk	2	Steelcase	CHTK1	Siento	499223	Executive Chairs	Overall: 27.5"W x 26"D x 51"H Seat Height: 21"H	Seat/ Back: Arc Com - Santorini AC-62897 - Seafoam #18 Frame: Polished Aluminum 804
122	Reception Desk	2	Steelcase	STOR3	TS Series Storage - Under-Worksurface Lateral Files	TS2F230UL	Private Office Groupings	Overall: 30 1/2"W x 18 1/4"D x 27"H	Metal Finish: Arctic White 7241
200	Multipurpose Room	15	MityLite	TAMP4	ABS Rectangle	N/A	Folding Table, Rectangle		
200	Multipurpose Room	2	MityLite	MISC6	Xpressport Space Saver Cart	N/A	Table Cart	Overall: 48"H x 32"W x 40.5"L Weight: 90 lbs.	N/A
200	Multipurpose Room	60	Mity Lite	CHSD5	Flexone Lx Folding Chair	N/A	Stacking / Nesting Chairs		

ROOM NUMBER	ROOM DESC.	QUANTITY	MANUFACTURER	TAG	PRODUCT NAME	MODEL NUMBER	PRODUCT TYPE	DIMENSIONS	FINISHES
200	Multipurpose Room	1	Mity Lite	CRTTREE1	Folding Chair Tree Cart		Folding Chair Cart	77.5" H x 32"W x 43.75"L Full-Tree Cart fits 72 FlexOneLX Chairs	
200	Multipurpose Room	2	ULine	H-9189	Downtown Storigate Cabinet 5 Shelf			36 x 22 x 72"	
200	Multipurpose Room	8	ULine	H-11485	Vinyl Folding Card Table - 34" x 34"		Card Table	34" x 34"	
238	Event Deck	4	Viccarbe Furniture	CHLO1	Colubi Outdoor Lounge Chair	TA04BREX-3	Outdoor Lounge	Overall: 26.4"W x 33.5"D x 28"H Seat: 16.5"H	Seat/Back: Crevin - Bora Bora 42 Frame/Legs: Black Arm Rests: Matt Oak
238	Event Deck	14	Steelcase	CHSD3	Seed Outdoor Chair	AB0232770	Outdoor Multipurpose Chair	Overall: 18.11"W x 19.69"D x 33.07"H Seat: 18.9"H	Shell/Body: Grey Polypropylene Frame/Legs: Grey Lacquered Steel
238	Event Deck	2	Steelcase	SOFA1	Cache Outdoor Sofa by Blu Dot	BD1CA1CACHSF	Outdoor Seating	Overall: 83"W x 36"D x 27"H Seat: 16"H	Seat/ Back/ Arms: Sunbrella Charcoal/Coal
238	Event Deck	1	STEPHEN KENN	SOFA2	OUTDOOR SECTIONAL	N/A	Outdoor Seating	Overall: 108"L x 108"W x 28"H Corner Chair: 36"L x 36"W x 28"H Outdoor Chair: 36"L x 36"W x 28"H Loveseat: 72"L x 36"W x 28"H	Seat/ Back: Sunbrella - Heritage - Granite Frame/Legs: Charcoal Powder Coat Belts: Black/Tan
238	Event Deck	1	Viccarbe Furniture	TAMP2	Trestle Outdoor Table	TRMEDCNEX	Outdoor Dining Tables	Overall: 78.7"L x 47.2"W x 29.1"H	Tabletop: Black RAL 9005 Legs: Black metal
238	Event Deck	4	Blu Dot	TAOC2	Strut Console Table	SR1-CONTBL-SL	Occasional Tables	Overall: 60"L x 12"W x 30"H Weight: 31 lbs.	Metal Frame: Slate
110 & 122	Open Office & Reception Desk	2 total - 1 per location	Steelcase	STOR10B	Universal Lateral File Storage	RATL1842P & RLF18423P	Private Office Groupings	File Laminate Top: 18 7/8"D x 42"W x 1 3/16"H File Cabinet - Individual: 42"W x 18 7/8"D x 40"H	File Laminate Top: Clear Maple 2409 File Cabinet: Arctic White 7241
110 & 122	Open Office & Reception Desk	5 total, 2 @ Reception Desk, 3 Open Office	Steelcase	STOR2	TS Series Slim Mobile Pedestal	TS2PBF22MC	Private Office Groupings	Overall: 22 1/4"D x 15 1/4"W x 22 3/4"	Cushion Top: Stand In - Cyclone 5623 Mobile Pedestal: Arctic White 7241

ROOM NUMBER	ROOM DESC.	QUANTITY	MANUFACTURER	TAG	PRODUCT NAME	MODEL NUMBER	PRODUCT TYPE	DIMENSIONS	FINISHES
110 & 122	Open Office & Reception Desk	1	Universal Medical Inc		Clinton 48" Wide Base Cabinet with 4 doors and 2 drawers		Breakroom Cabinet		
110, 111, 111A & 122	All Offices	6 total	ULine		7 Gallon Office Trash Can	S-9970	Office Trash Can	14" x 10" x 15"	Black
110, 111, 111A & 122	All Offices	6 total	ULine		7 Gallon Office Recycle Can	H-1384	Office Recycle Can	14" x 10" x 15"	Blue
111 & 111 A	Office	2 total- 1 per office	Steelcase	DSKF2	West Elm Work Sutton	WESSUTSRQ	Height-Adjustable Tables / Systems	Overall: 29"D x 58"L Height Range: 27.6" - 46.9"H	Tabletop: Clear Maple 2409 Edge: Clear Maple 2409 Base/Foot: 7360 Merle
111 & 111A	Office	2 total - 1 per office	Steelcase	ACCS2A	Elective Elements - Wall-Mounted Tackboard	EEAWST	Private Office Groupings	Overall: 42"W X 18.5222"H X 1"D	N/A
111 & 111A	Office	2 total - 1 per office	Steelcase	ACCS2B	Elective Elements - Wall-Mounted Tackboard	EEAWST	Private Office Groupings	Overall: 66"W X 18.5222"H X 1"D	N/A
111 & 111A	Office	2 total - 1 per office	Steelcase	ACCS3A	Elective Elements - Straight Worksurfaces	E6WS24114	Private Office Groupings	Overall: 114"W x 24"D	Laminate: Clear Maple 2409
111 & 111A	Office	4 total - 2 per office	Teknion	CHSD1A	KUPP	NKUYHH83G	Stacking / Nesting Chairs	Overall: 26"W x 23-7/16"D x 32-1/2"H Seat: 18-1/8"H	Upholstered Seat: Luum - Decoy 4087 - Garden Path 41 Shell/Body: Medium Grey HH Frame/Legs: Very White
111 & 111A	Office	2 total - 1 per office	Steelcase	CHTK3	Steelcase Karman	419A500	Executive Chairs	Overall: 26.125"W x 26.125"D x 46.75"-51.125"H Seat Height: 15.625"-20"H	Seat/ Back: Intermix Opaque - Platinum KR15 Frame: Platinum Base/ Arms: Platinum/ Polished Aluminum
111 & 111A	Office	2 total - 1 per office	Steelcase	STOR11A	Elective Elements - Overhead Cabinets	E6OS156015H	Private Office Groupings	Overall: 60"W X 15 7/8"D X 15"H	Laminate: Clear Maple
111 & 111A	Office	2 total - 1 per office	Steelcase	STOR11B	Elective Elements - Overhead Cabinets	E6OS155415H	Private Office Groupings	Overall: 54"W X 15 7/8"D X 15"H	Laminate: Clear Maple
111 & 111A	Office	2 total - 1 per office	Steelcase	STOR12A	Elective Elements - Under Worksurface Bookcase	E6PD223027P	Private Office Groupings	Overall: 30"W X 22 1/2"D X 27 1/2"H	Laminate: Clear Maple 2409

ROOM NUMBER	ROOM DESC.	QUANTITY	MANUFACTURER	TAG	PRODUCT NAME	MODEL NUMBER	PRODUCT TYPE	DIMENSIONS	FINISHES
111 & 111A	Office	2 total - 1 per office	Steelcase	STOR12B	Elective Elements - Under Worksurface Bookcase	E6PD221827P	Private Office Groupings	Overall: 18"W X 22 1/2"D X 27 1/2"H	Laminate: Clear Maple 2409
111 & 111A	Office	2 total - 1 per office	Steelcase	STOR8A	Elective Elements - Plinth Base Pedestal	E6PD233027F	File Storage, 2 Drawer	Overall: 30W X 27 1/2"H X 23 1/4"D	Laminate: Clear Maple 2409
111 & 111A	Office	2 total - 1 per office	Steelcase	STOR8B	Elective Elements - Plinth Base Pedestal	E6PD233627F	File Storage, 2 Drawer	Overall: 36W X 27 1/2"H X 23 1/4"D	Laminate: Clear Maple 2409
	1st floor outdoor patio	1	Furnitubes		Railroad integrated seat (No Planter)		Outdoor permanent bench		
	Service Yard	2	Aztec Containers		20' Sea Container (2 Roll Up Doors)	20', 2 Roll Up Doors	Storage Container		
	General Building - Security	2	HP Aruba			Aruba 54006R ZL2	Ethernet Switch POE @ Event Center		
	General Building - Security	6	HP Aruba			24P GIG-T J9986A	Network Ports		
	General Building - Security	6	HP Aruba			8P SFP+ J9993A	Network Ports (Fiber)		
	General Building	5	Trash Can Warehouse	NIP-LO8700XXX	23 Gal Triple	NIP-LO8700XXX	Trash / Recycle / Compost Receptacle	23.5" x 45.8" x 35"	Black
	General Building	10	Trash Can Warehouse	NIP-LO8700XXX	23 Gal Double	NIP-LO8700XXX	Trash / Recycle Receptacle	23.5" x 30.5" x 35"	Black
	Telecom/Server Room	1	Digital Watchdog		Blackjack Server	DW-BJRR2U	NVR Server/Recorder for CCTV Cameras. Include 4 additional licenses to the 8 included (12 total)	Rack mount 2U	240 TB storage, 600 MPS max video storage

Folding Sliding Door System
System SF 55
Insulated Aluminum System

Index

Description	Page
General information & product features	1.4-1.8
Testing	1.9-1.11
Technical Information	1.13-1.24
Measurement	2.1-2.2
Assembly instructions	3.1-3.13
Maintenance and servicing instructions	4.1-4.4
Warranty	5.1-5.2
Terms of sale	6.1-6.5

Glazed Folding Doors

The advantage of the SUNFLEX folding sliding systems is their large selection of layouts and options. Whether different glass thicknesses or materials, there is the right product for every requirement. The large-scale glazing can be opened and closed comfortably by means of the interconnected panels. A transparent all-round multifunctional system with a guarantee for quality and longevity.



System information

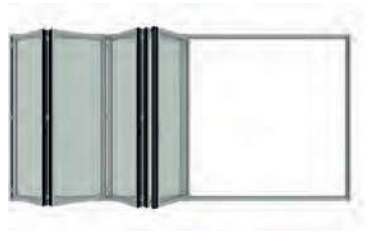
- ☐ Flush aluminum construction
- ☐ Perfectly matching components
- ☐ Low construction depths and slim profile designs
- ☐ Choice of inward or outward opening folding panels
- ☐ Panel distribution and folding direction of panels freely selectable
- ☐ Storm-proof and burglary-resistant metal fittings
- ☐ Height of element up to 12' (3600 mm)
- ☐ Various glazing types, lock types, colors, finishes, wood types, etc. possible
- ☐ Easy assembly
- ☐ Burglary resistant up to resistance class 2 in accordance with DIN V ENV 1627-1630*
- ☐ DP +/- 60 psf rated and tested in accordance to AAMA/WDMA/CSA 101/I.S. 2/A440-05
- ☐ Sound transmission control of STC 36 with STC 36 glass



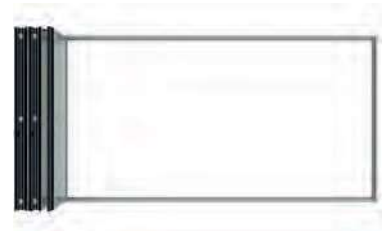
Operation



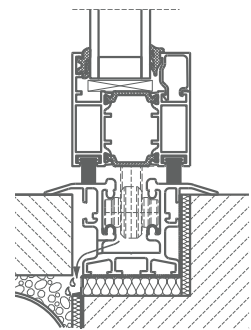
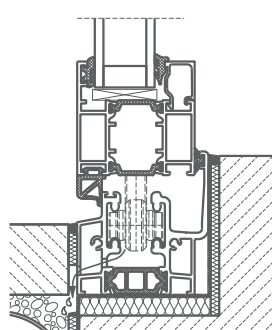
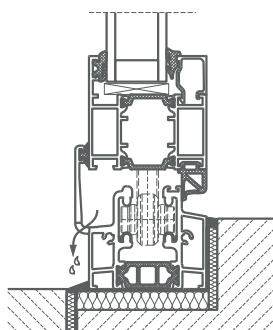
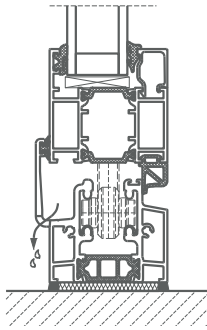
Opening of the first panel



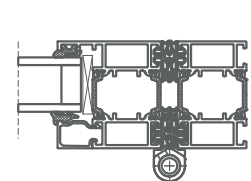
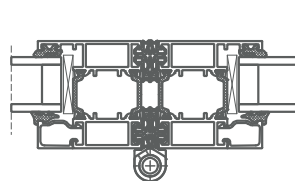
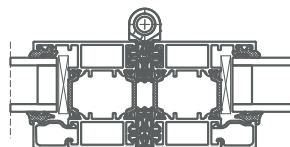
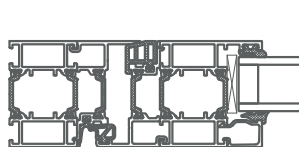
Folding of the hinge connected panels



Example of threshold options

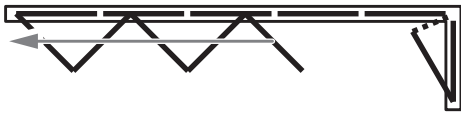


Horizontal sections

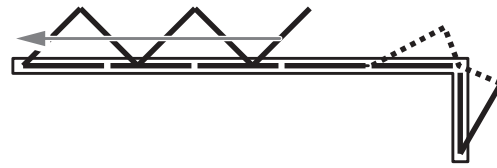


Corner angles 90°-180° with or without corner post

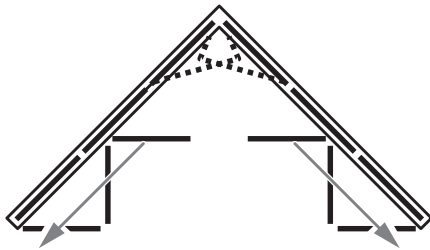
Typ I



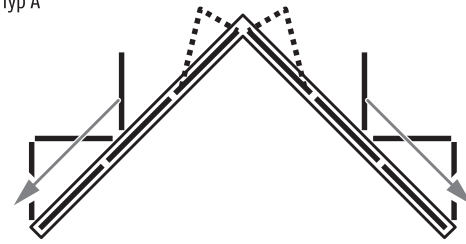
Typ A



Typ I



Typ A



Segmented systems

Typ I

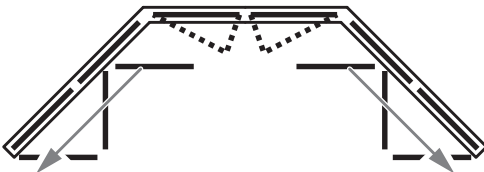


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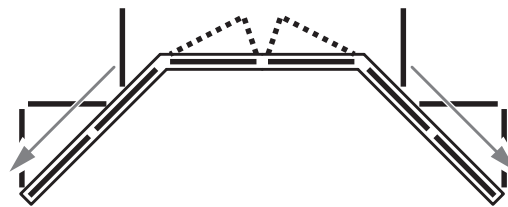


Corner angles 90°-180°

Typ I



Typ A



Other floor plan geometries upon request

Typ A = Outward opening of panels Typ I = Inward opening of panels



☐ Different lock and handle options available



☐ Mushroom-head lock for optimal tightness and increased burglar resistance



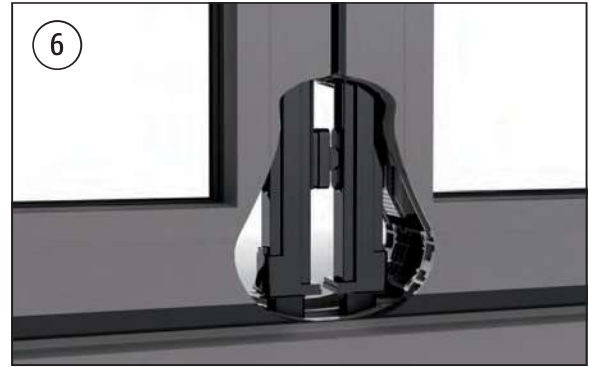
☐ Panel catcher for additional security to fix the pass door to the adjacent panel



☐ Burglar resistant fittings



☐ Basic SUNFLEX handle series



☐ Twin-lock mechanism for additional burglar resistance option available



☐ Post installation height adjustments possible on running mechanisms, in case of structure settling



☐ Assembly shoes allow a fast assembly and precise adjustment of the vertical frame profiles



☐ Optional security package for maximum burglar resistance up to resistance class 2 (as per European standards)



The insulated aluminum folding door SF 55 offers optimum stability, burglar resistance as well as high operating tightness. The SF 55 is suitable for different applications such as balcony glazings or patio doors.

PERFORMANCE & TESTING RESULTS

General Product Performance

Product Type:	Insulated Aluminum Folding Door system (Inswing/Outswing)
Series/Model:	SF 55
Specimen(s) sizes:	The representative test specimens tested for inswing and for outswing Units measured 96" x 96" and have shown a 3 panel unit opening to one direction
Overall Design Pressure:	-/+ 60.0 psf

Testing Standard		Measured Value	Allowable Value
ASTM-E 283-04 Air Infiltration	1.57 psf	0.24 CFM/FT2 Inswing 0.29 CFM/FT2 Outswing	0.3 CFM/FT2
ASTM-E 330-02 Uniform Load Basic (Basic Design Pressure)	-/+ 60.0 psf	Passed	No Damage
ASTM-E 330-02 Uniform Load Overload (Basic Load +50%)	-/+ 90.0 psf	Passed	No Damage
ASTM-E 547-00 Water Infiltration (15 % of Basic-DP)	9.00 PSF	Passed	No Leakage
Forced Entry ASTM F588-04	10 min - 300 lb load	Passed	No Entry

THERMAL PERFORMANCE

Double Pane IG Units

Mockup of IG Unit	Overall thickness	U-factor	SHGC	VT
Clear-Air-Clear	1 1/8"	0.52	0.54	0.56
Low-E270-Argon-Clear	1 1/8"	0.37	0.26	0.48
Low-E272-Argon-Clear	1 1/8"	0.38	0.29	0.49
Low-E366-Argon-Clear	1 1/8"	0.37	0.20	0.44
Low-E366-Argon-i81	1 1/8"	0.33	0.18	0.39

THERMAL PERFORMANCE

Triple Pane IG Units

Mockup of IG Unit	Overall thickness	U-factor	SHGC	VT
Low-E272-Argon-Clear Argon-Low-E272	1 1/8"	0.29	0.25	0.39
Low-E366-Argon-Clear	1 1/8"	0.29	0.17	0.32



Test Reports



No. 23-21/09E

We confirm, that the manufacturer: SUNFLEX Aluminiumsysteme GmbH
D-57482 Wenden-Gerlingen

At the date of: October 2009

For the product: Shoot bolt locking device /
Folding casement
Item no.: 558820

In the version: Casement locking set for
resistance class / WK 2

Undergo a test according to DIN V ENV 1627-1630:1999-04, burglar resistance, resistance class / WK2 with the SUNFLEX system SF55-WK2.

The specimen with the above named shoot bolt locking device meets the requirements of the standard.

No. 23-21/11

Expert opinion on the summary report no. 23-21/09E

Deviation allowed by the system approved in the summary report no. 23-21/09E SF55 Type A and Type I are expertises following systems:

System SF55c-WK2-3L-Typ A / Type I
System SF50-WK2-3L-Typ A / Type I
System SF50c-WK2-3L-Typ A / Type I
System SF75-WK2-3L-Typ A / Type I
System SF75c-WK2-3L-Typ A / Type I

No. 40-29/09

SF55 Type A

Evidence of performance characteristics:

- Air permeability according to EN 1026 Class 4
- Watertightness according to EN 1027 Class E900
- Resistance to wind load according to EN 12211 Class B4

No. 40-30/09

SF55 Type A

Evidence of performance characteristics:

- Air permeability according to EN 1026 Class 4
- Watertightness according to EN 1027 Class 9A
- Resistance to wind load according to EN 12211 Class AS4



No. 13/07-A254-Z2

The thermal transmittance of frames U_f and linear thermal transmittance calculated according to DIN EN ISO 10077-2 : 2012-06 (German version EN ISO 10077-2 : 2012), as well as thermal transmittance U_w calculated according to DIN EN ISO 10077-1 : 2010-05

U_w 1,6



1286-001-10

Determination of the airborne sound insulation acc. to DIN EN ISO 10140-3 test stand.

- Sound reduction index R_w in dB / 36 dB

Technical Information

Profile system

- ☐ Glass folding partition in thermally insulated aluminum profiles
- ☐ Bottom-supported construction
- ☐ Construction profile depth: 2 3/16" (55 mm)
- ☐ Recessed or surface-mounted floor track
- ☐ Opens inwards or outwards
- ☐ Opens by sliding to one side or both sides
- ☐ Roller track and guide tracks are flush to system faces
- ☐ Design allows for height differences and expansion

Hardware

- ☐ All fittings hidden within profiles
- ☐ Low-maintenance, non-corroding and failsafe hardware components
- ☐ Panels lock via rods that engage in floor and ceiling tracks and/or via sliding doors that engage in the frames or with the neighboring panels
- ☐ Locking and unlocking via actuating levers with anti-intruder catches
- ☐ Optionally fitted with different lock types
- ☐ Hinges feature pivot pins that cannot be knocked out (anti-intruder feature)
- ☐ The door can be securely clamped to the adjacent panel using snap latches

Runner system

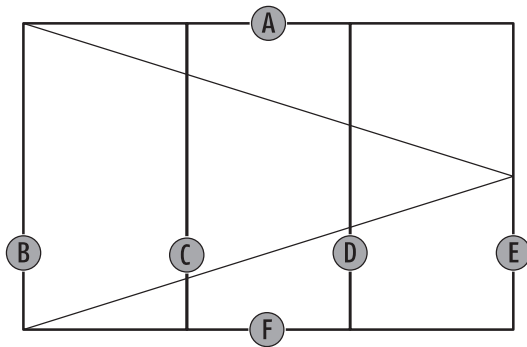
- ☐ Simplified adjusting due to height-adjustable runner assembly system
- ☐ Runner assemblies are situated above water drainage collection area
- ☐ Low-noise, hard-wearing, heat and cold resistant running rollers

Sealing and ventilation

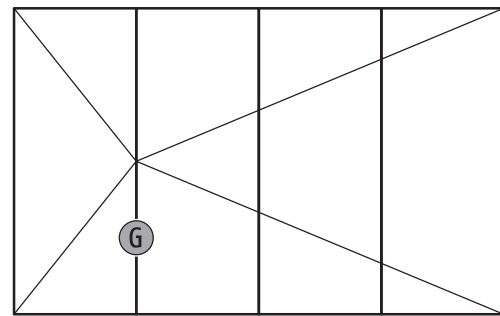
- ☐ Rain and wind proofing ensured by EPDM seals at two sealing levels

Glazing

- ☐ A glazing configuration of 1/4" to 1 1/2" (6 mm to 38 mm) possible
- ☐ Glazing can be replaced without difficulty



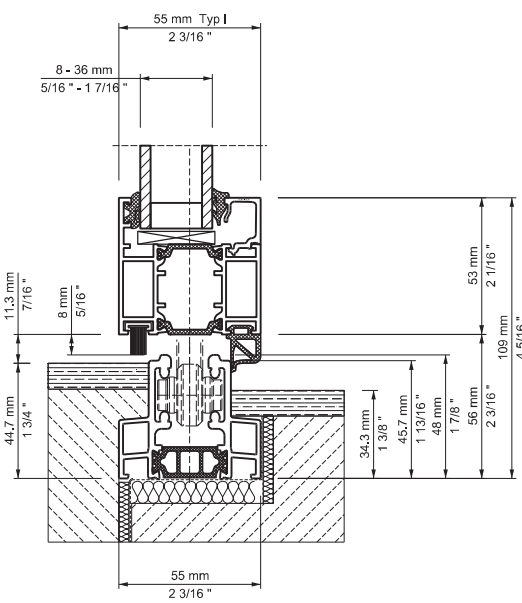
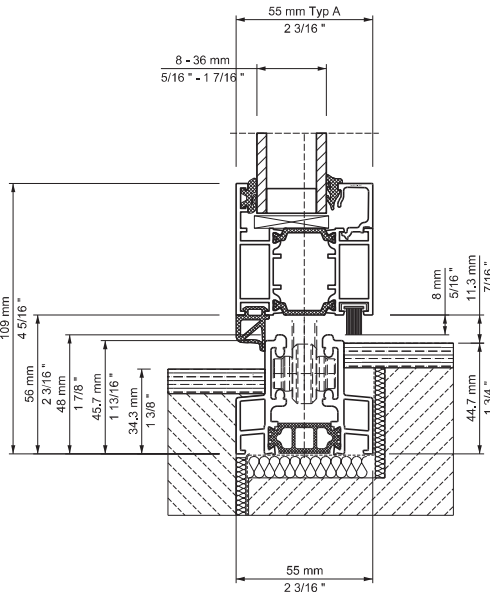
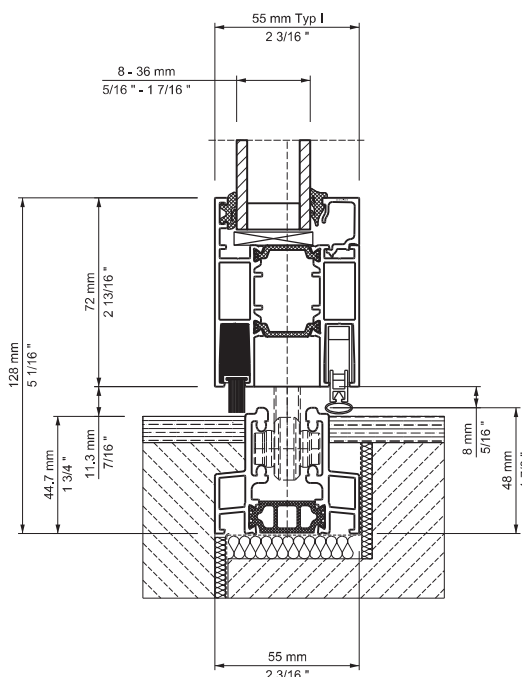
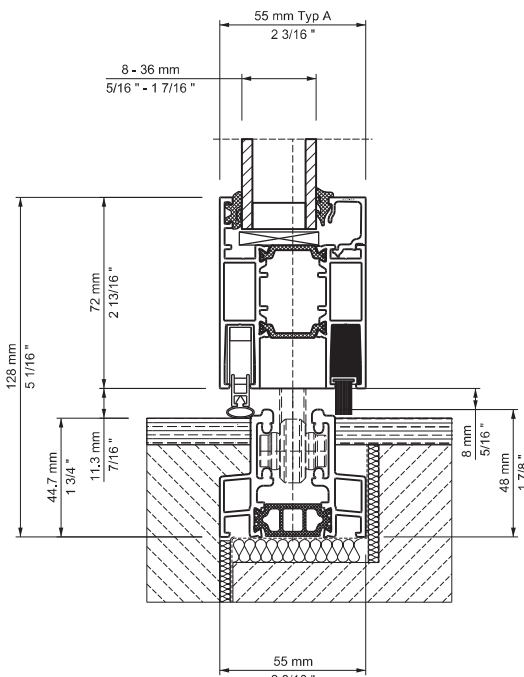
Details at uneven panel partitioning in one direction



Details at even and uneven panel partitioning in two directions

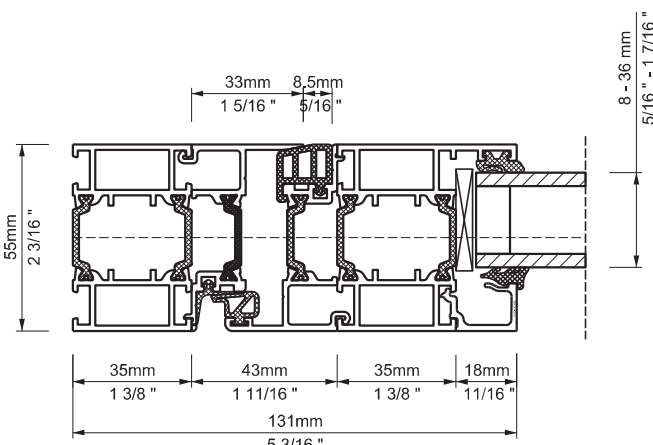
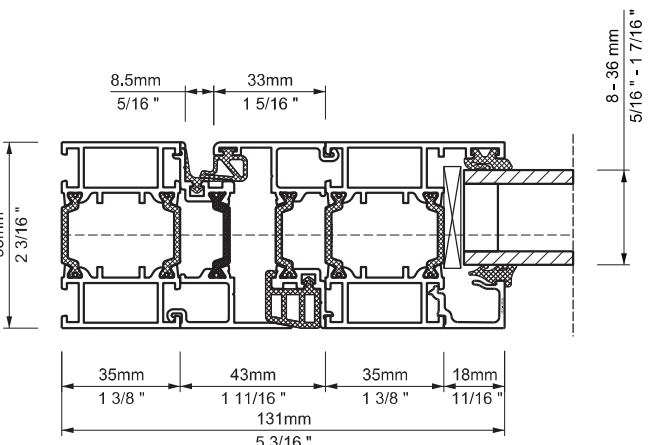
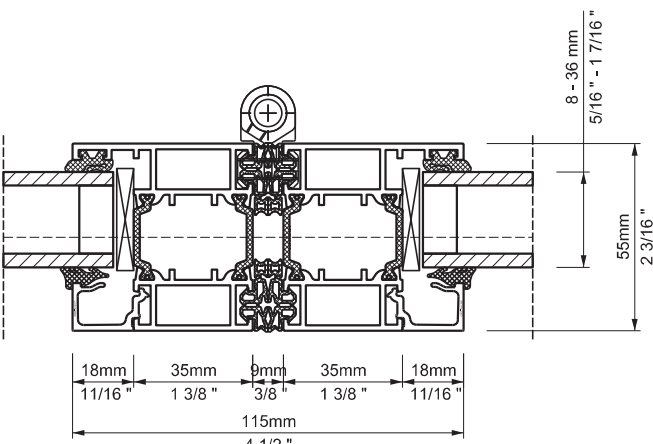
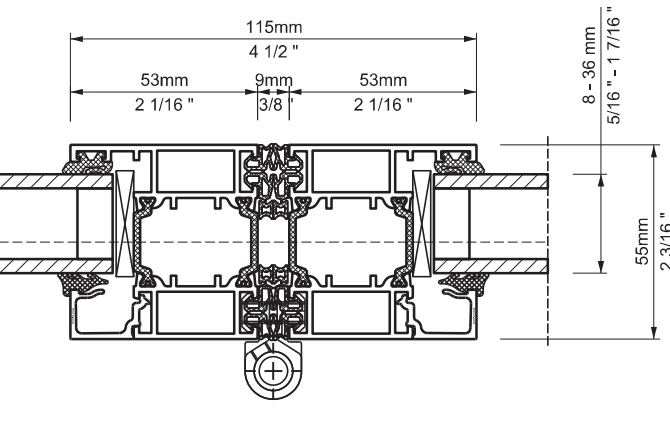
Ref.	Section	Description	Page
--	SF55-000	Vertical-Section, glazing beads designs (softline + square - edge)	1.15
F	SF55-001	Vertical-Section, connection bottom track / inwards folding	1.15
F	SF55-003	Vertical-Section, connection bottom track / outwards folding	1.15
F	SF55-005	Vertical-Section, connection flush bottom track	1.15
F	SF55-015	Vertical-Section, connection flush bottom track / inside folding	1.16
F	SF55-016	Vertical-Section, connection flush bottom track / outside folding	1.16
F	SF55-015a	Vertical-Section, connection flush bottom track / bottom door seal / inside folding	1.16
F	SF55-016a	Vertical-Section, connection flush bottom track / bottom door seal / outside folding	1.16
F	SF55-017	Vertical-Section, connection flush bottom track	1.17
A	SF55-002	Vertical-Section, connection top track / inwards folding	1.17
A	SF55-004	Vertical-Section, connection top track / outwards folding	1.17
--	SF55-012	Vertical-Section, tilt and turn element	1.17
--	SF55-013	Vertical-Section, tilt and turn element	1.18
F	SF55-007	Vertical-Section, strengthening profile for balustrade / inwards folding	1.18
A	SF55-008	Vertical-Section, strengthening profile for overhead light / inwards folding	1.18
A	SF55-009	Vertical-Section, connection top track overhead light / inwards folding	1.18
E	SF55-101	Horizontal-Section, side jamb - panel closing section / inwards folding	1.19
E	SF55-102	Horizontal-Section, side jamb - panel closing section / outwards folding	1.19
C	SF55-103	Horizontal-Section, panel - panel / hinge outwards	1.19
D	SF55-104	Horizontal-Section, panel - panel / hinge inwards	1.19
B	SF55-105	Horizontal-Section, vertical post - panel / hinge inwards	1.20
B	SF55-106	Horizontal-Section, vertical post - panel / hinge outwards	1.20
--	SF55-107	Horizontal-Section, midrail	1.20
G	SF55-108	Horizontal-Section, panel - panel closing section	1.20
E	SF55-109	Horizontal-Section, frame extension 35 mm	1.21
E	SF55-110	Horizontal-Section, frame extension 70 mm	1.21
E	SF55-111	Horizontal-Section, 90°- connection profile	1.21
E	SF55-112	Horizontal-Section, 135°- connection profile	1.21
D	SF55-113	Horizontal-Section, sliding post / hinge outwards	1.22
D	SF55-121	Horizontal-Section, sliding post / hinge inwards	1.22
D	SF55-114	Horizontal-Section, sliding post incl. strengthening / hinge outwards	1.22
D	SF55-122	Horizontal-Section, sliding post incl. strengthening / hinge inwards	1.22
G	SF55-115	Horizontal-Section, closing section - sliding post (e.g. 1L/2R) / outwards folding	1.23
G	SF55-116	Horizontal-Section, closing section - sliding post (e.g. 1L/2R) / inwards folding	1.23
--	SF55-117	Horizontal-Section, side jamb - panel closing section incl. sliding post (e.g. 2R) / o. f.	1.23
--	SF55-118	Horizontal-Section, side jamb - panel closing section incl. sliding post (e.g. 2R) / i. f.	1.23
--	SF55-119	Horizontal-Section, profil section - sliding post (e.g. 2L/2R) / outwards folding	1.24
--	SF55-120	Horizontal-Section, profil section - sliding post (e.g. 2L/2R) / inwards folding	1.24

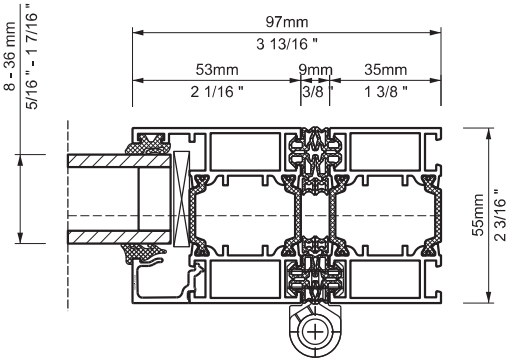
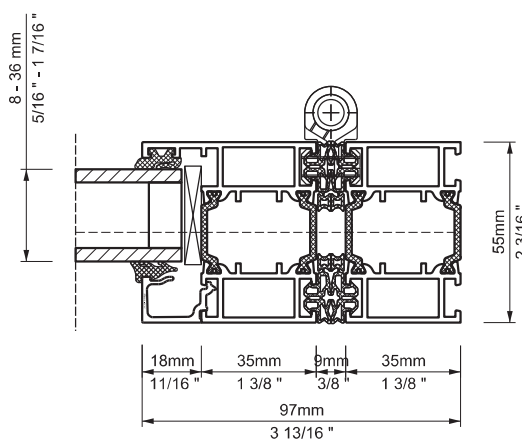
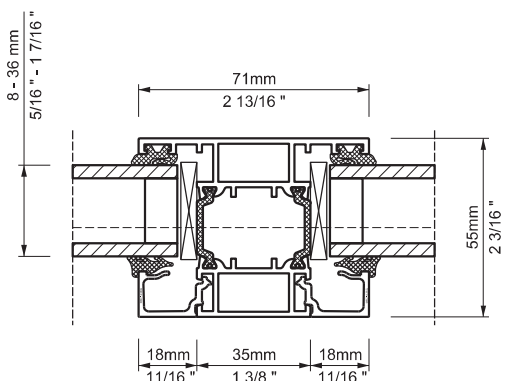
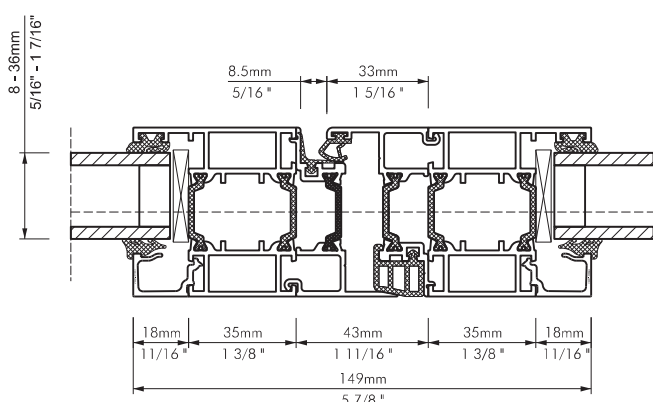
OUTSIDE INSIDE	OUTSIDE INSIDE
Description: Vertical-Section, glazing beads designs (softline + square - edge) System: SF55 Detail-No.: SF55-000	Description: Vertical-Section, connection bottom track / inwards folding System: SF55 Detail-No.: SF55-001
OUTSIDE INSIDE	OUTSIDE INSIDE
Description: Vertical-Section, connection bottom track / outwards folding System: SF55 Detail-No.: SF55-003	Description: Vertical-Section, connection flush bottom track System: SF55 Detail-No.: SF55-005

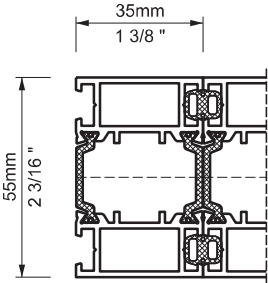
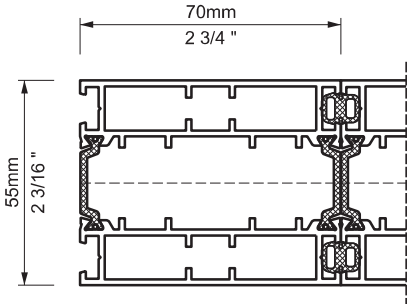
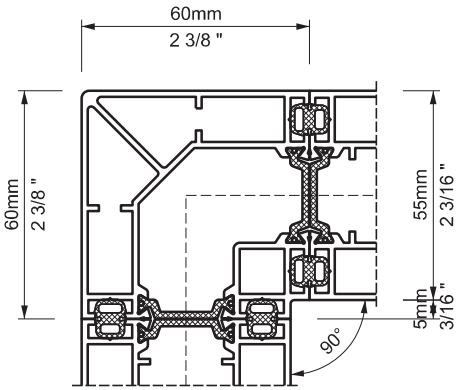
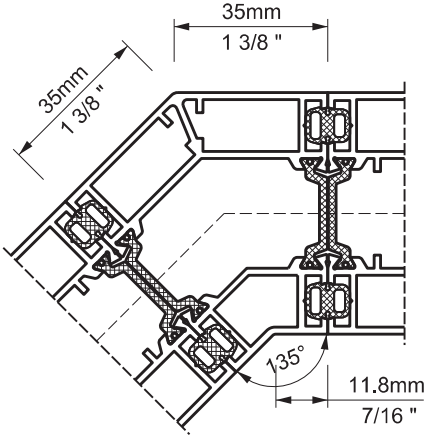
F  OUTSIDE INSIDE	F  OUTSIDE INSIDE
Description: Vertical-Section, connection flush bottom track / inwards folding System: SF55 Detail-No.: SF55-015	Description: Vertical-Section, connection flush bottom track / outside folding System: SF55 Detail-No.: SF55-016
F  OUTSIDE INSIDE	F  OUTSIDE INSIDE
Description: Vertical-Section, connection flush bottom track / bottom door seal / inside folding System: SF55 Detail-No.: SF55-015a	Description: Vertical-Section, connection flush bottom track / bottom door seal / outside folding System: SF55 Detail-No.: SF55-016a

F	A
Description: Vertical-Section, connection bottom track System: SF55 Detail-No.: SF55-017	Description: Vertical-Section, connection top track / inwards folding System: SF55 Detail-No.: SF55-002
A	I
Description: Vertical-Section, connection top track / outwards folding System: SF55 Detail-No.: SF55-004	Description: Vertical-Section, tilt and turn system System: SF55 Detail-No.: SF55-012

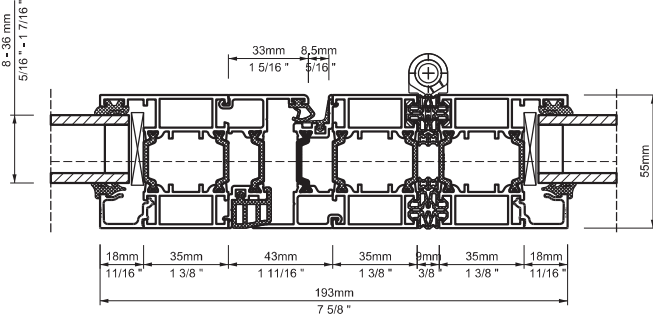
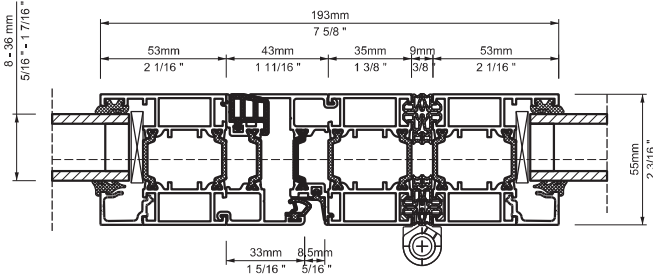
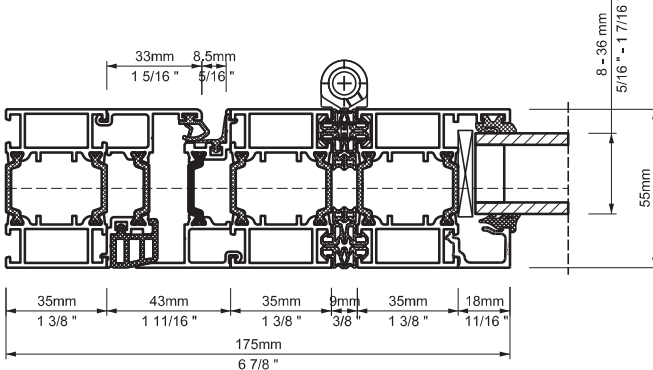
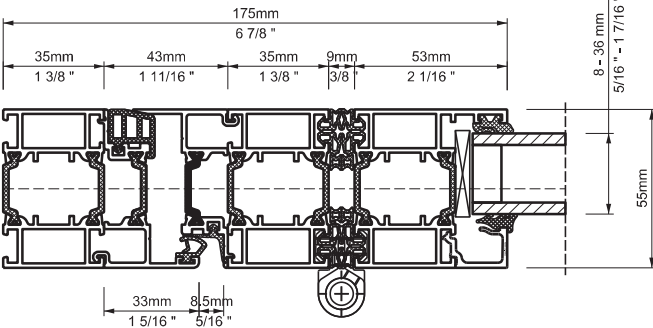
I OUTSIDE INSIDE	F OUTSIDE INSIDE
Description: Vertical-Section, tilt and turn system System: SF55 Detail-No.: SF55-013	Description: Vertical-Section, strengthening profile for balustrade / inwards folding System: SF55 Detail-No.: SF55-007
A OUTSIDE INSIDE	A OUTSIDE INSIDE
Description: Vertical-Section, strengthening profile for overhead light / inwards folding System: SF55 Detail-No.: SF55-008	Description: Vertical-Section, connection top track overhead light / inwards folding System: SF55 Detail-No.: SF55-009

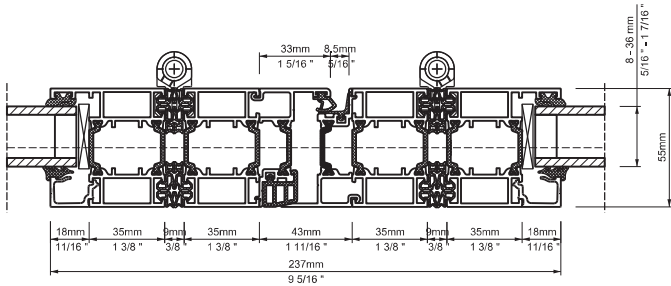
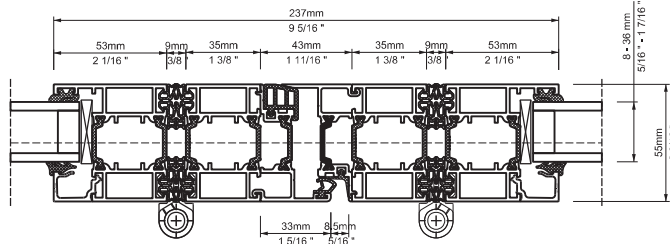
E OUTSIDE  INSIDE Description: Horizontal-Section, side jamb - panel closing section / inwards folding System: SF55 Detail-No.: SF55-101	E OUTSIDE  INSIDE Description: Horizontal-Section, side jamb - panel closing section / outwards folding System: SF55 Detail-No.: SF55-102
C OUTSIDE  INSIDE Description: Horizontal-Section, panel - panel / hinge outwards System: SF55 Detail-No.: SF55-103	D OUTSIDE  INSIDE Description: Horizontal-Section, panel - panel / hinge inwards System: SF55 Detail-No.: SF55-104

B OUTSIDE  INSIDE Description: Horizontal-Section, vertical post - panel / hinge inwards System: SF55 Detail-No.: SF55-105	B OUTSIDE  INSIDE Description: Horizontal-Section, vertical post - panel / hinge outwards System: SF55 Detail-No.: SF55-106
- OUTSIDE  INSIDE Description: Horizontal-Section, midrail System: SF55 Detail-No.: SF55-107	G OUTSIDE  INSIDE Description: Horizontal-Section, panel - panel closing section System: SF55 Detail-No.: SF55-108

E OUTSIDE  INSIDE Description: Horizontal-Section, frame extension 35 mm System: SF55 Detail-No.: SF55-109		E OUTSIDE  INSIDE Description: Horizontal-Section, frame extension 70 mm System: SF55 Detail-No.: SF55-110	
E OUTSIDE  INSIDE Description: Horizontal-Section, 90°- connection profile System: SF55 Detail-No.: SF55-111		E OUTSIDE  INSIDE Description: Horizontal-Section, 135°- connection profile System: SF55 Detail-No.: SF55-112	

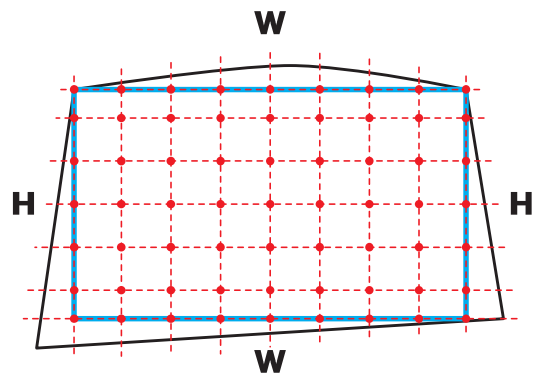
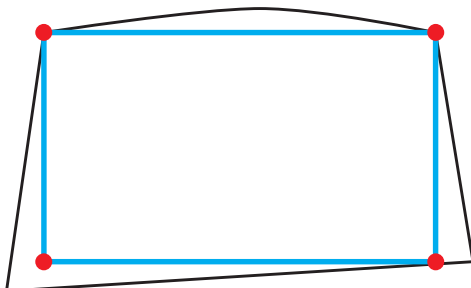
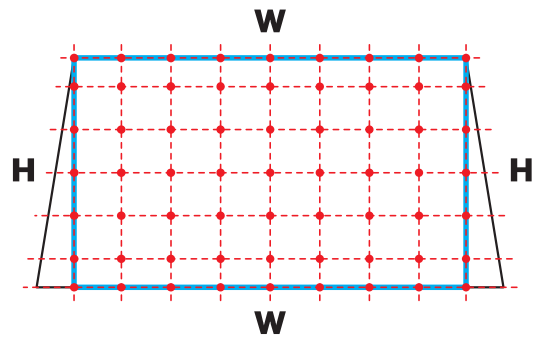
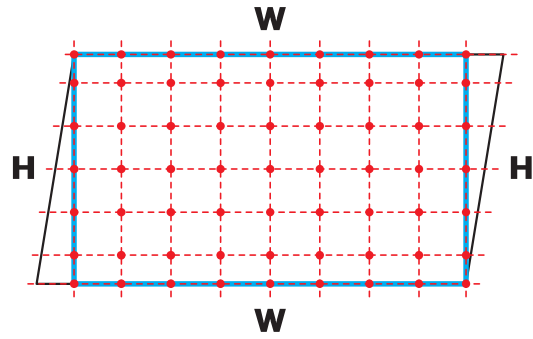
D OUTSIDE 8-36 mm 5/16 " - 1 7/16 " 18mm 35mm 9mm 35mm 9mm 35mm 18mm 11/16 " 1 3/8 " 3/8 " 1 3/8 " 3/8 " 1 3/8 " 11/16 " 159mm 6 1/4 " 55mm 2 3/16 " INSIDE Description: Horizontal-Section, sliding post / hinge outwards System: SF55 Detail-No.: SF55-113	D OUTSIDE 8-36 mm 5/16 " - 1 7/16 " 18mm 35mm 9mm 35mm 9mm 35mm 18mm 11/16 " 1 3/8 " 3/8 " 1 3/8 " 3/8 " 1 3/8 " 11/16 " 159mm 6 1/4 " 55mm 2 3/16 " INSIDE Description: Horizontal-Section, sliding post / hinge inwards System: SF55 Detail-No.: SF55-121
D OUTSIDE 8-36 mm 5/16 " - 1 7/16 " 159mm 6 1/4 " 18mm 35mm 9mm 35mm 9mm 35mm 18mm 11/16 " 1 3/8 " 3/8 " 1 3/8 " 3/8 " 1 3/8 " 11/16 " 55mm 2 3/16 " 50mm 1 15/16 " 27mm 1 1/16 " INSIDE Description: Horizontal-Section, sliding post incl. strengthening / hinge outwards System: SF55 Detail-No.: SF55-114	D OUTSIDE 8-36 mm 5/16 " - 1 7/16 " 159mm 6 1/4 " 18mm 35mm 9mm 35mm 9mm 35mm 18mm 11/16 " 1 3/8 " 3/8 " 1 3/8 " 3/8 " 1 3/8 " 11/16 " 55mm 2 3/16 " 50mm 1 15/16 " INSIDE Description: Horizontal-Section, sliding post incl. strengthening / hinge inwards System: SF55 Detail-No.: SF55-122

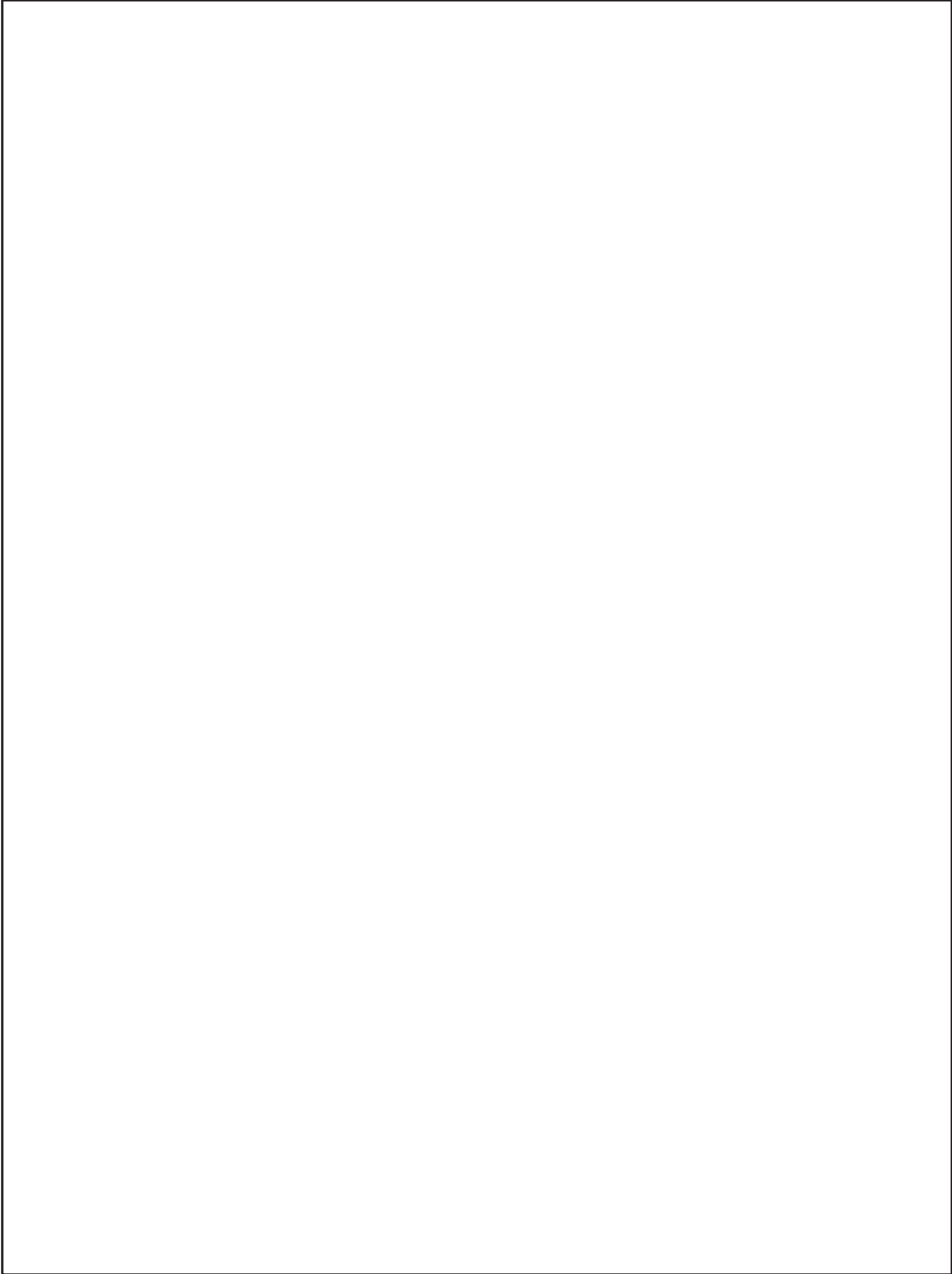
G OUTSIDE  INSIDE Description: Horizontal-Section, closing section - sliding post (e.g. 1L/2R) / outwards folding System: SF55 Detail-No.: SF55-115	-- OUTSIDE  INSIDE Description: Horizontal-Section, side jamb - panel closing section incl. sliding post (e.g. 2R) / o. f. System: SF55 Detail-No.: SF55-117
-- OUTSIDE  INSIDE Description: Horizontal-Section, side jamb - panel closing section incl. sliding post (e.g. 2R) / o. f. System: SF55 Detail-No.: SF55-117	-- OUTSIDE  INSIDE Description: Horizontal-Section, side jamb - panel closing section incl. sliding post (e.g. 2R) / i. f. System: SF55 Detail-No.: SF55-118

		OUTSIDE	
			
INSIDE		INSIDE	
Description: Horizontal-Section, profil section – sliding post (e.g. 2L/2R) / outwards folding		System: SF55 Detail-No.: SF55-119	

Measurement

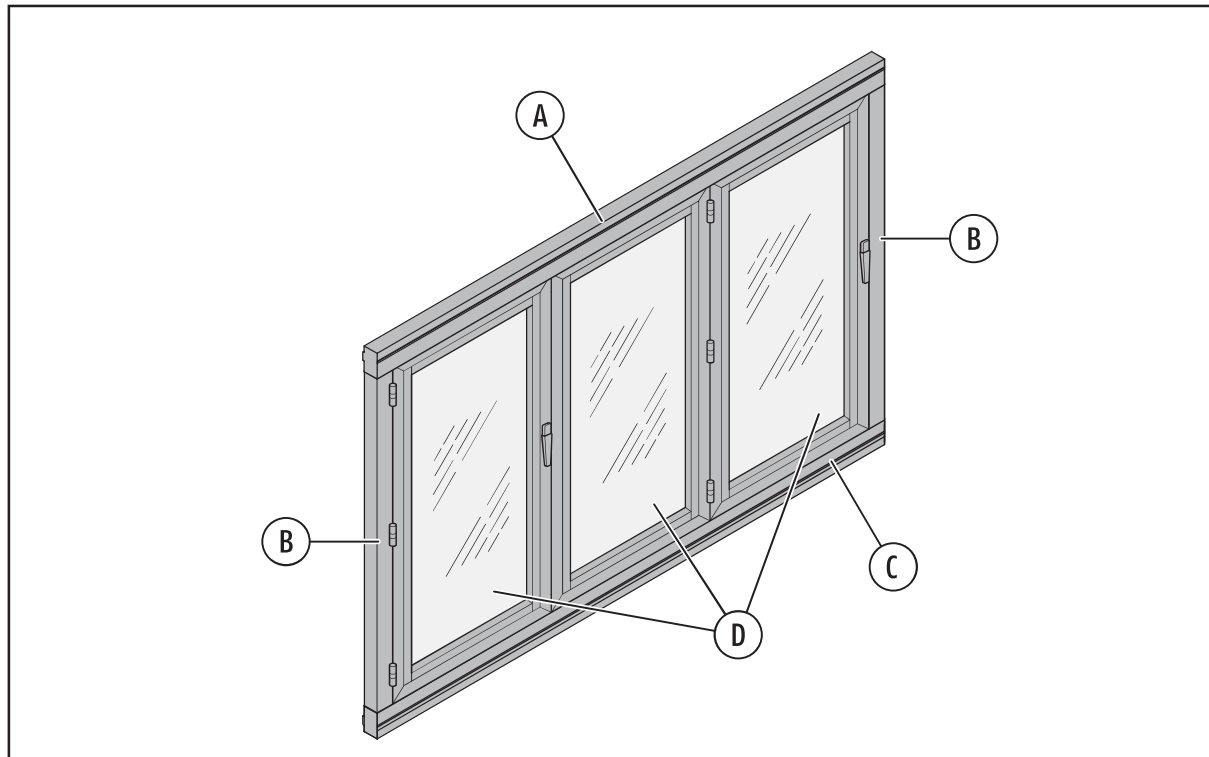
It is important to measure at multiple points for both height and width making sure to capture the shortest height and width.





Assembly instructions

SF 50 / SF 50c
SF 55 / SF 55c
SF 75 / SF 75c / SF 75H



Scope of delivery:

- A. Top rail
- B. Vertical profile
- C. Floor rail
- D. Hinged panel, sliding panel
- Accessories pack

Safety instructions:

These assembly instructions are specifically designed for the use of authorized specialists. Observation and implementation of the relevant safety regulations are a prerequisite.

Symbols used:

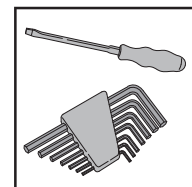
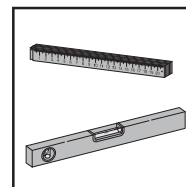
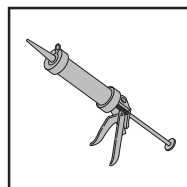
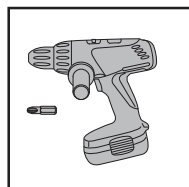
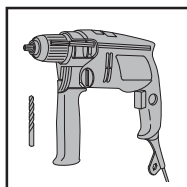


Caution



Note

Tools required:



Content

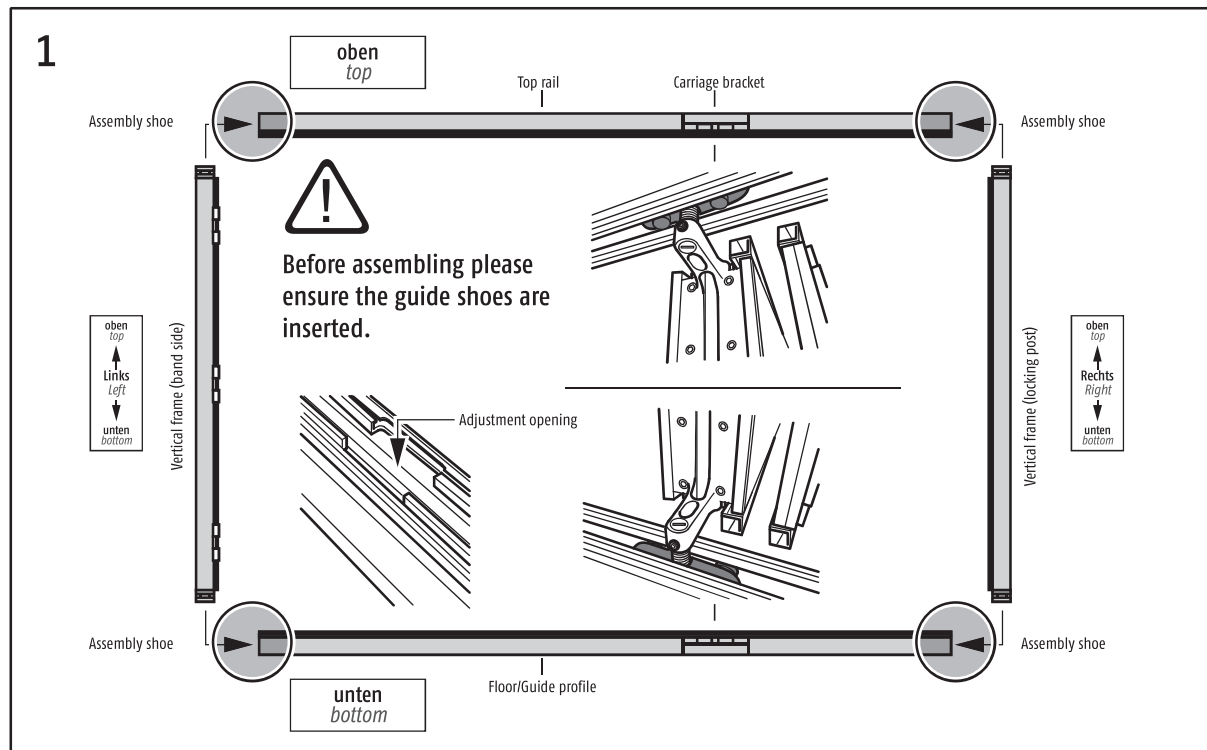
Description	Page
1. Assembly of door frame	3.3
2. Installation of door frame	3.4
3. Fitting of panel	3.5, 3.6
4. Adjustment	3.6
5. External foam sealing	3.7
6. Fitting of accessories	3.7
SF 55 (c+i) sliding post with odd number of panels	3.8
SF 55 (c+i) sliding post with even number of panels	3.9
Assembly of the panel notch	3.10
Assembly only for SF 75H	3.11 – 3.13



Important:

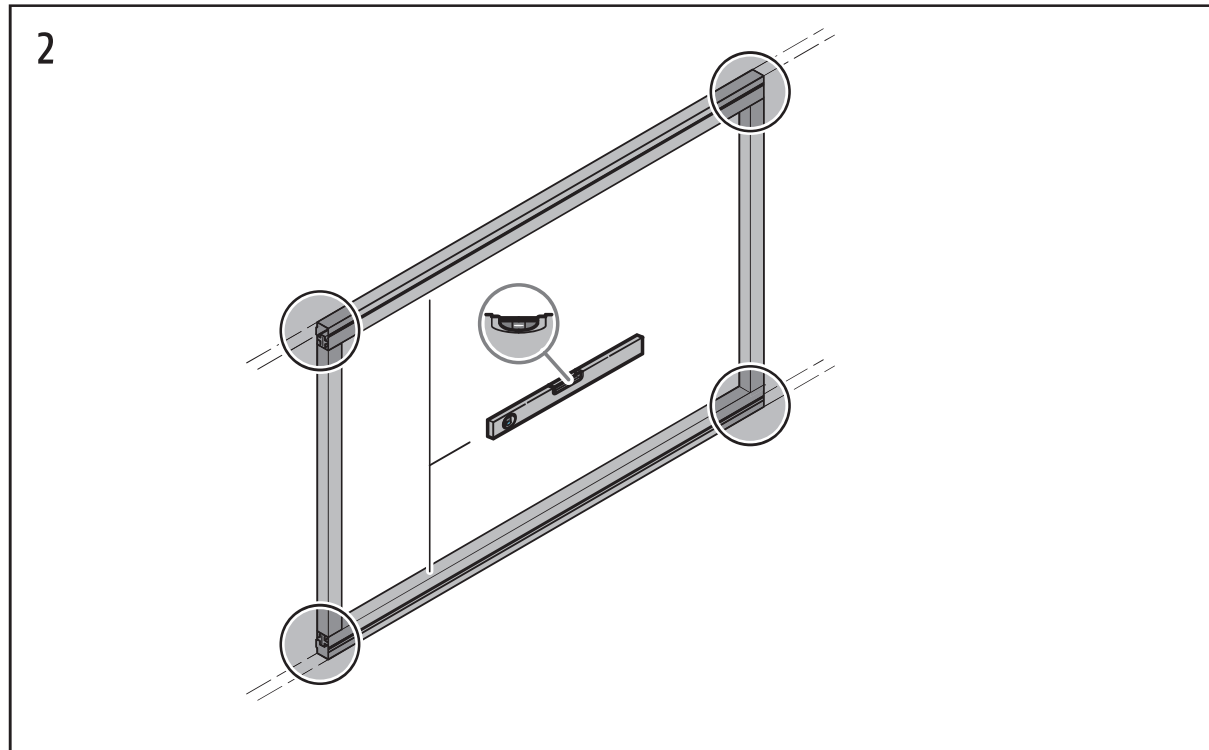
After successful assembly the fitter must give instructions to the customer in order to avoid incorrect operation.

1. Assembly of the door frame



- Unpacking the supplied frame profile.
- Sorting of the frame profile
 - The floor rail has external water drain slots on the internal opening element.
 - Top rail has no water drain slots.
 - The vertical profiles are marked "right" and "left" (viewed from the inside) on the wall side.
- The vertical profiles must be pushed flush into the guide rail.
- Cutout (Adjustment opening) is directed only at the bottom rail, on the hinge side.

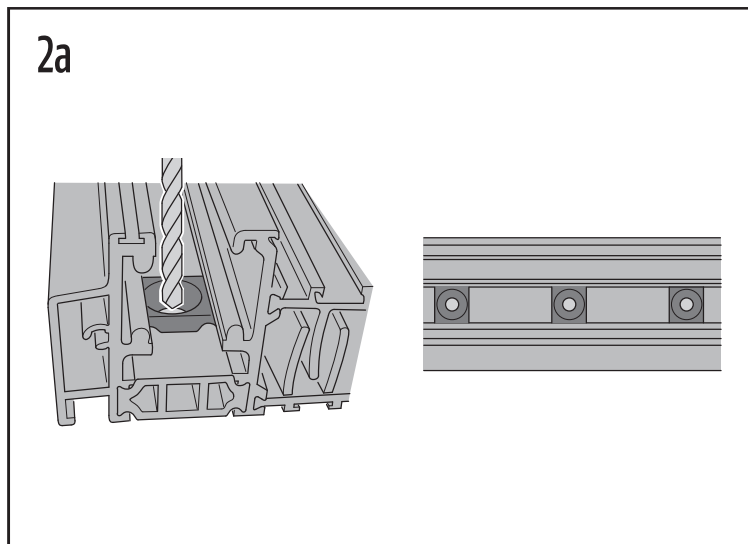
2. Installation of the door frame



- Place the frame in the building opening.
- Arrange door frame vertically.

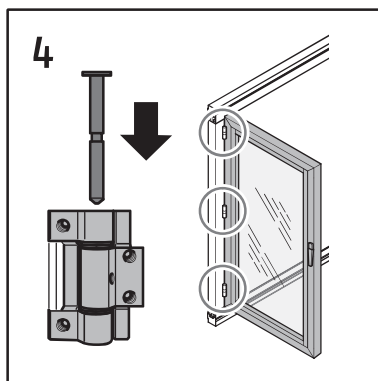
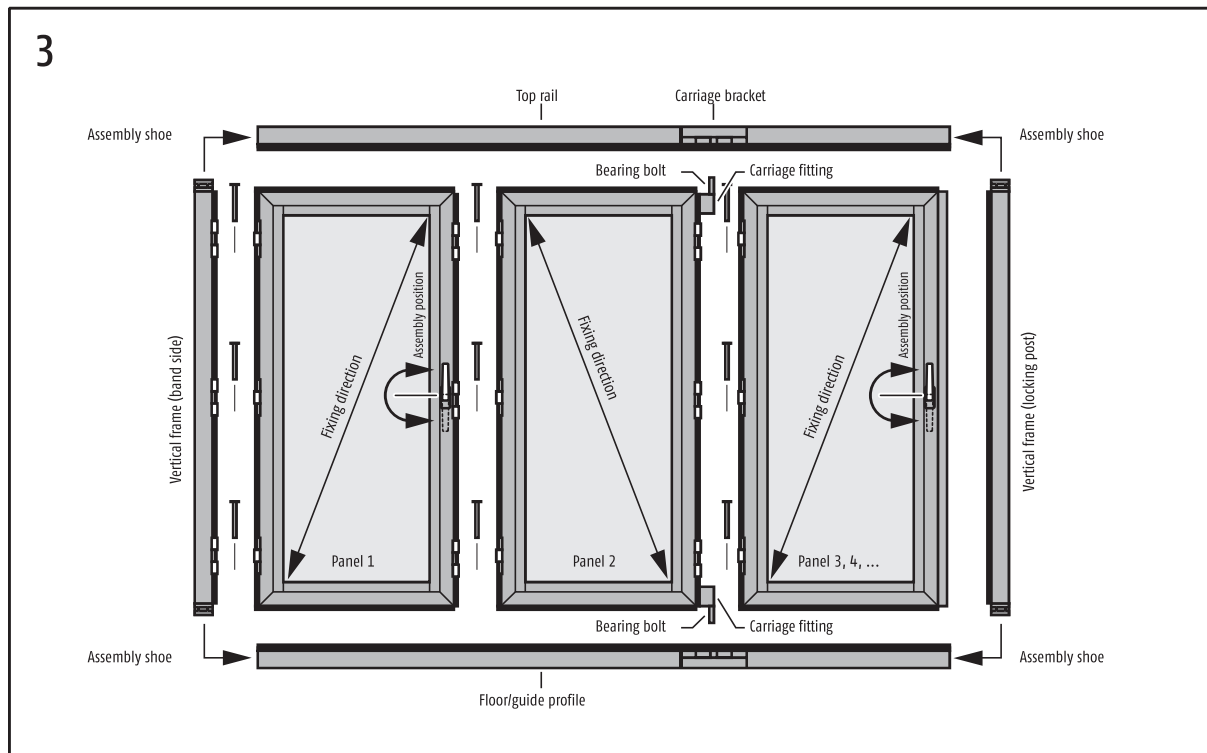


Check for parallel fitting!



- Determination of fixing points (pic 2a).
 - Approx 4-7 inches from external frame cover, distribute remainder at an interval of approx 12-15 inches.
 - The vertical assembly points are distributed evenly along the height.
- Support floor rail every 12 inches.
- Rectangle the alignment and wedging of the frame.
- Screw tight all profiles except for the locking posts.

3. Fitting the panel

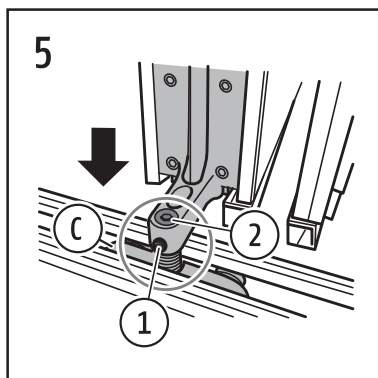


- Fit the first panel and secure with the hinge bolts provided (the panels are numbered at the top and bottom).



Position of handle:

If the locking bar on the panel profile is firmly pushed in flush the handle always points upwards.

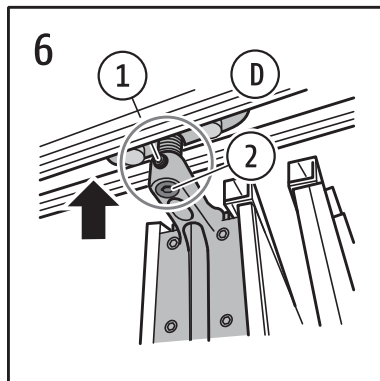


- Place the second panel with the bearing bolts in the carriage (C) and fit to the first panel.
- The upper bearing bolt must be pressed fully down.

1 = Lock using M5 grub screw
Allen key 2.5 mm

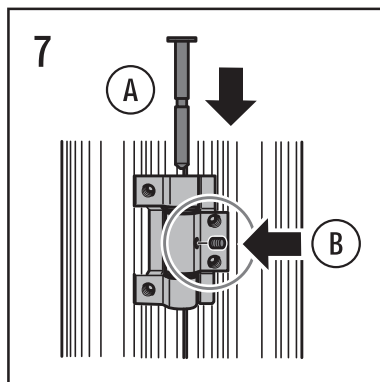
2 = Height adjustment using M10 grub screw
Allen key 5 mm

Clearance panel to floor rail approx. 3/8 inch.



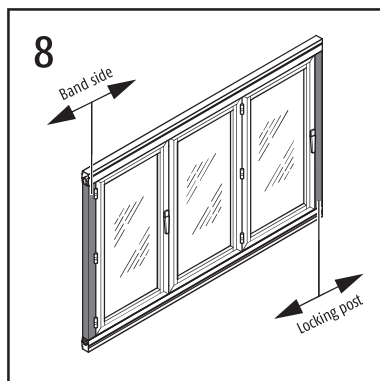
- Now screw the upper bearing bolt into the guide carriage (D) until the bolt is flush with the bracket.
- Close the first pair of panels and repeat the first four steps of point 3 according to the number of panels and panel arrangement.

1 = Lock using M5 grub screw
Allen key 2.5 mm
2 = Height adjustment using M10 grub screw
Allen key 5 mm



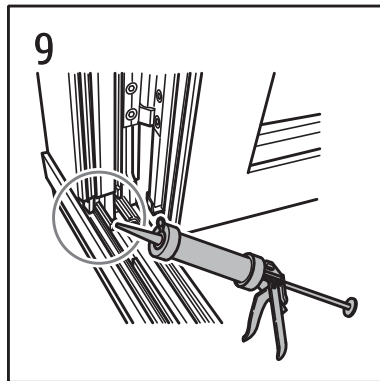
- All hinge bolts should now be secured with the supplied grub screws (B). The corresponding holes are in the integral hinge section. They are clearly visible when an element is open.

4. Adjustment



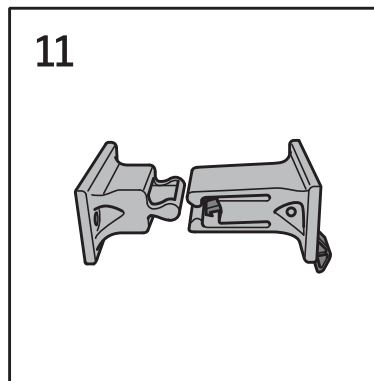
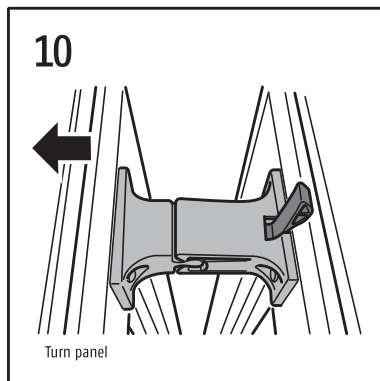
- The closure clearance is set by sliding the door frame locking post. When the locking post shows a constant (approx 3/8 inch wide) closure clearance with the panel, this can then be wedged and screwed in.
- For panel distribution left and right the closure is set by re-wedging of the band side vertical post.
- The adjustment bearing bolts permit the panel height within the picture frame to be adjusted. This can be easily adjusted in the mounted state with unlocked panels.

5. Foam sealant



The door frame corners must be fully sealed from the inside.

6. Accessory installation



• Diagram shows view from above of the SF clip.

- Fit the supplied panel clips to the panel as shown in the illustration.
- To release, move panel packet from parking position. The trigger lock released automatically when closing.

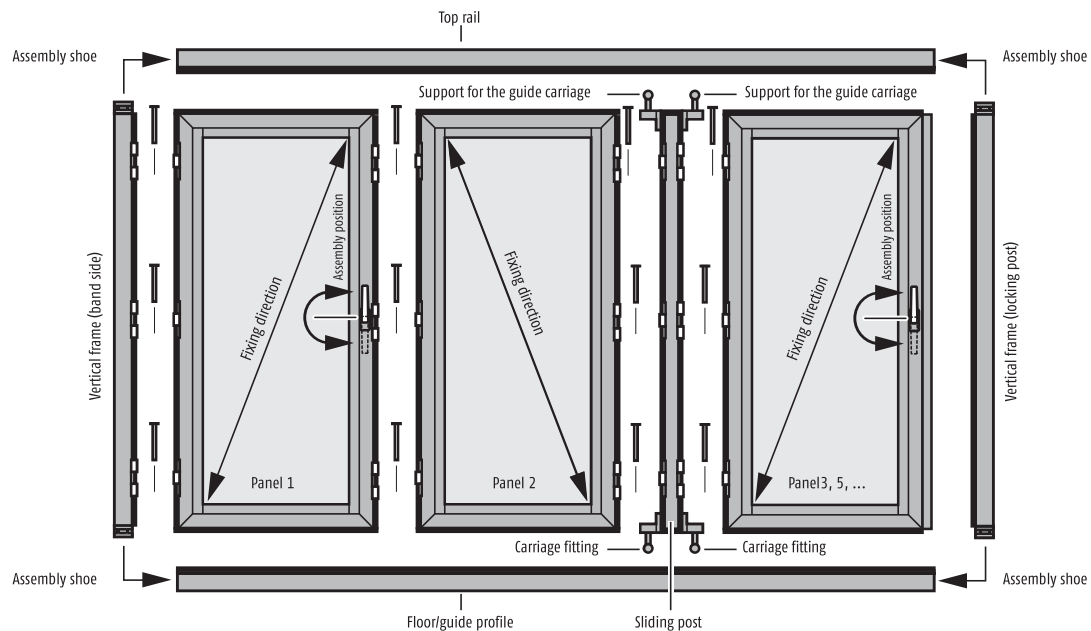
The illustration shows the stop strip (swivel panel).



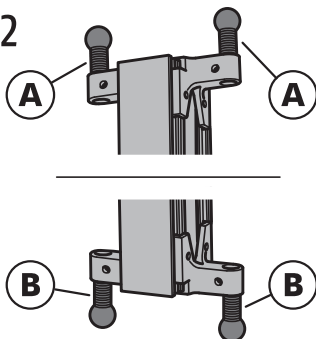
Only by uneven number of panels (3, 5, 7 ...)

SF55 (c+i) sliding post with odd number of panels

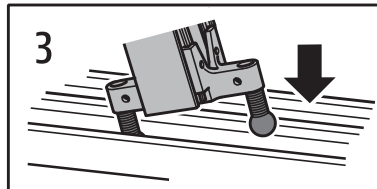
1



2



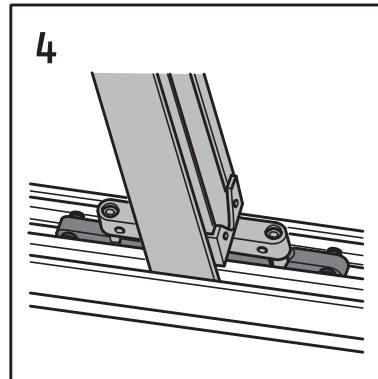
3



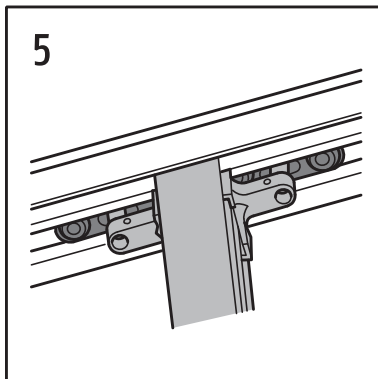
• Picture 2:

Bolt (A) carriage bracket
Bolt (B) carriage

4



5

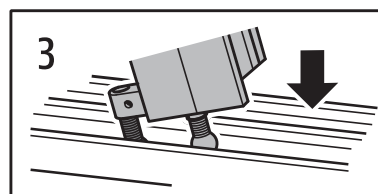
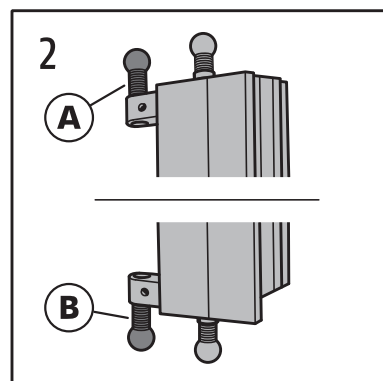
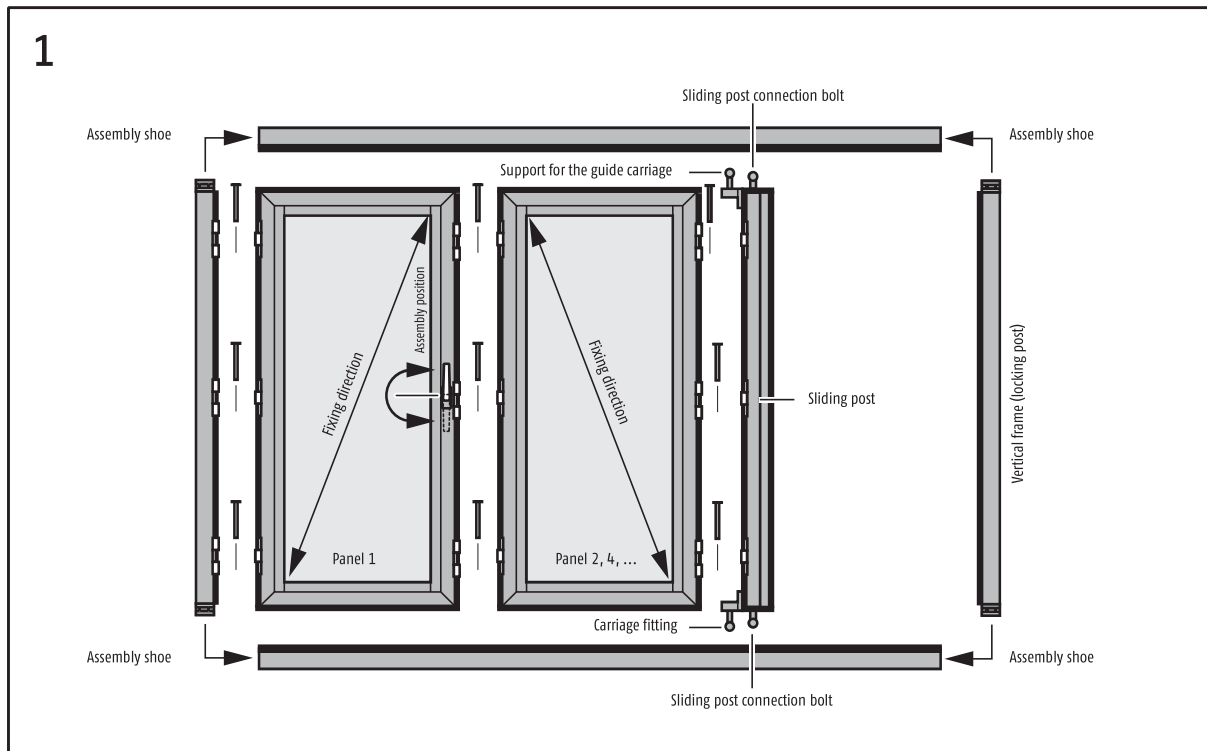


• Insert the sliding post in a slightly angled position first into the carriages (bottom rail, picture 3) and only afterwards into the carriage brackets (top rail).

• Picture 4 shows sliding post positioned in bottom rail.

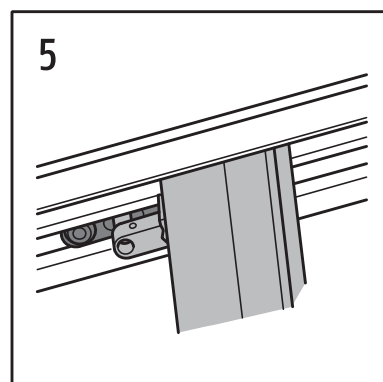
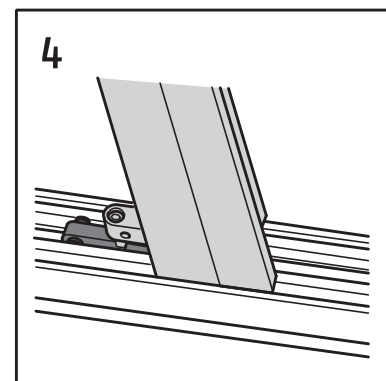
• Picture 5 shows sliding post positioned in top rail.

SF55 (c+i) sliding post with even number of panels



• Picture 2:

Bolt (A) carriage bracket
Bolt (B) carriage

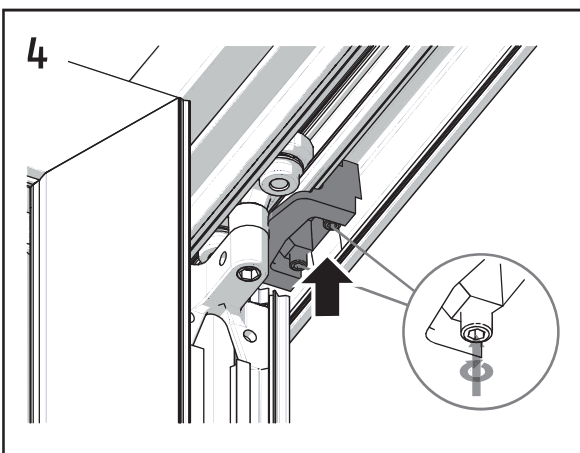
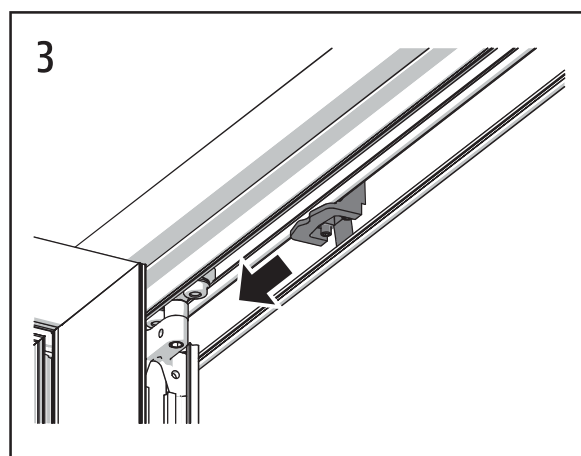
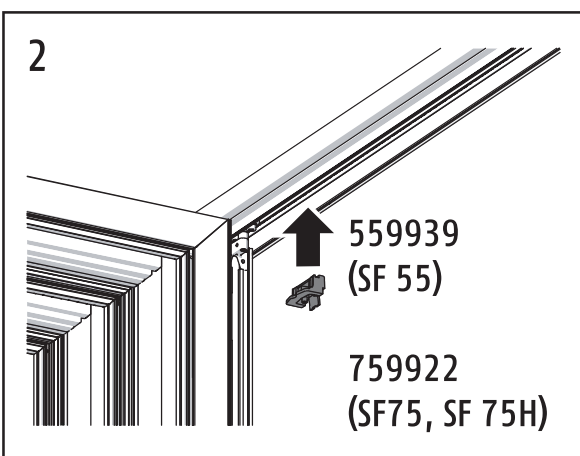
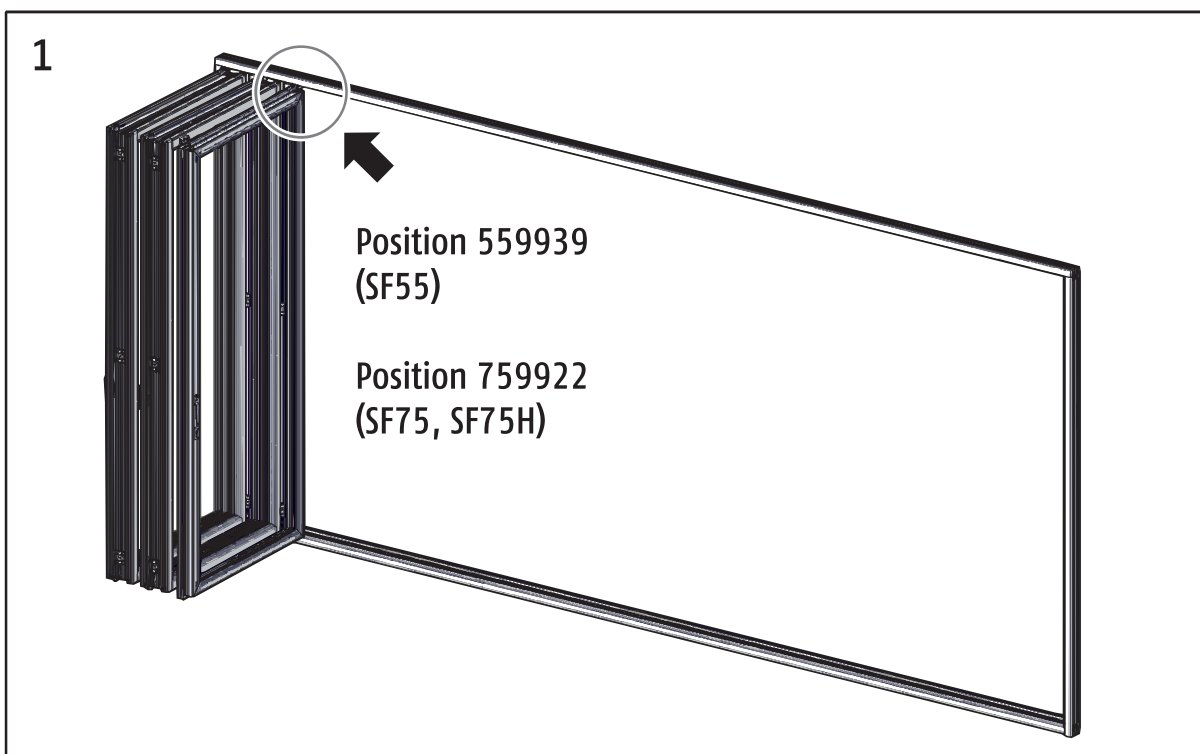


• Insert the sliding post in a slightly angled position first into the carriages (bottom rail, picture 3) and only afterwards into the carriage brackets (top rail).

• Picture 4 shows sliding post positioned in bottom rail.

• Picture 5 shows sliding post positioned in top rail.

Assembly of the panel notch



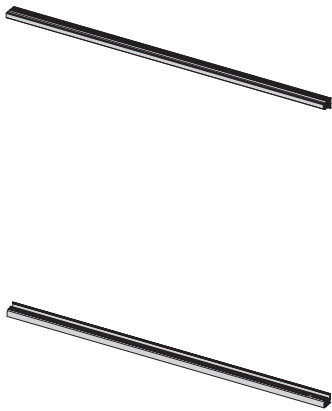
Only by uneven number of panels (3, 5, 7 ...)

Assembly only for SF 75H

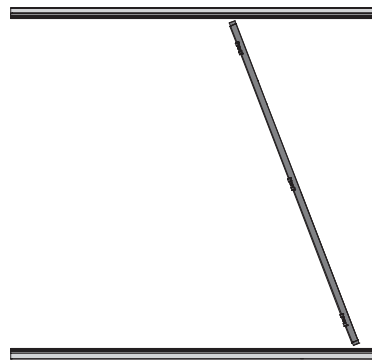
1



2



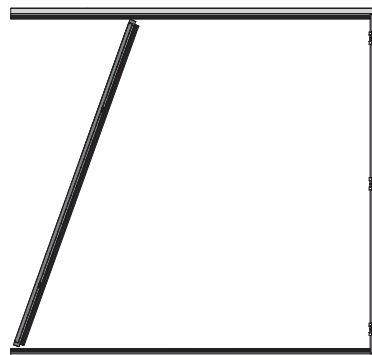
3

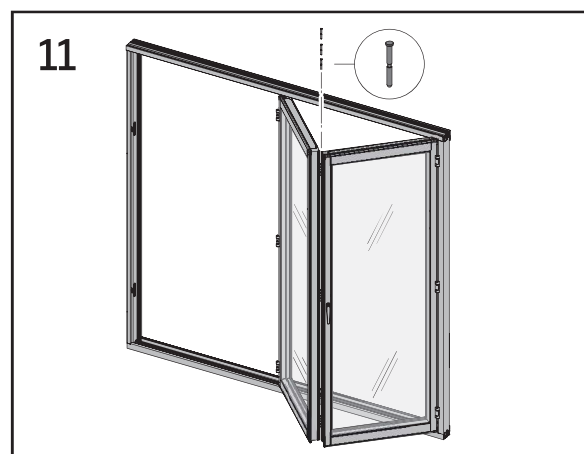
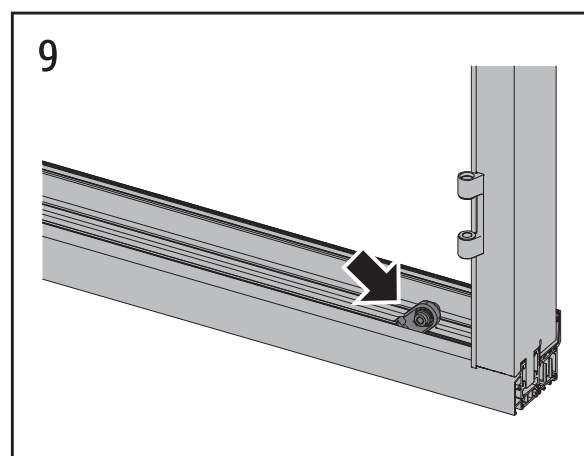
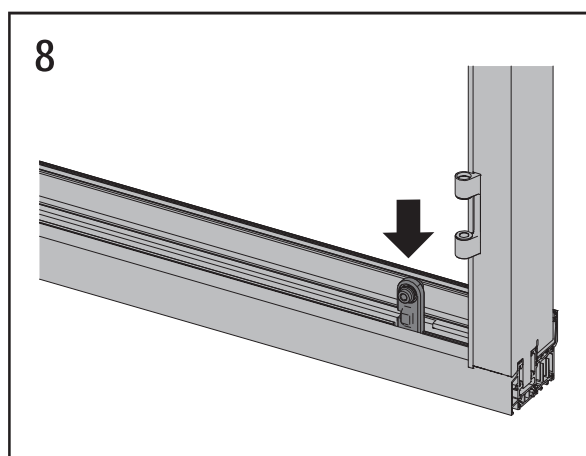
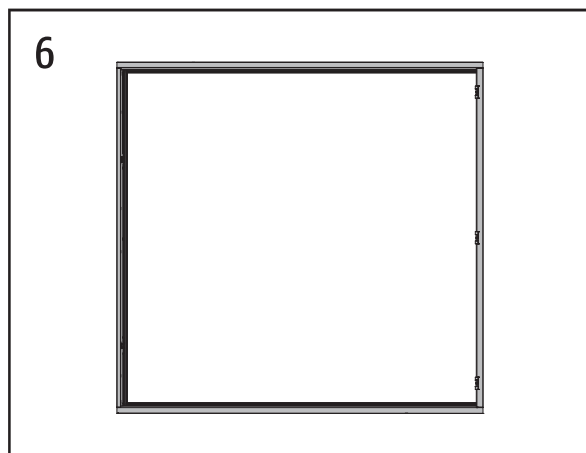


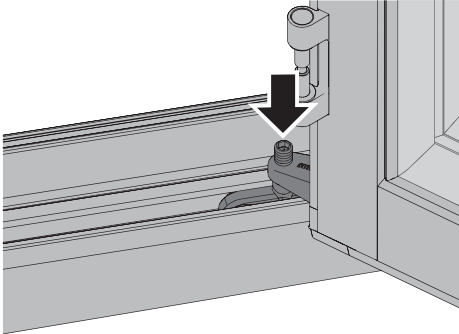
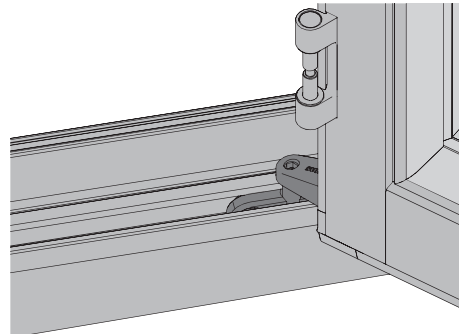
4



5





12

13

14


Foaming and sealing

After acceptance by the customer, the joint formed between blind frame and building structure has to be foamed and/or sealed.

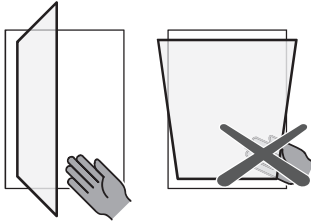
The corners of the blind frame are to be sealed from the inside against the penetration of water into the structure by means of a sealing material.

On site, the glass has to be sealed from the inside and outside towards the panel frame.

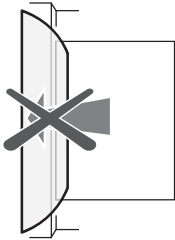
Safety instructions



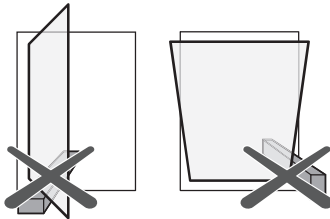
- Risk of injury by falling through open windows.



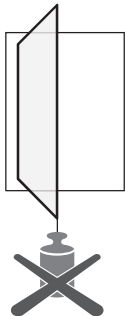
- Risk of injury by trapping of body parts.



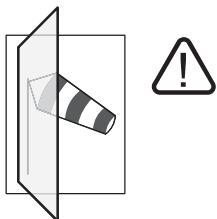
- Risk of injury and material damage by pressing the panel against the opening edge.



- Risk of injury and material damage by placing obstacles between panel and frame.

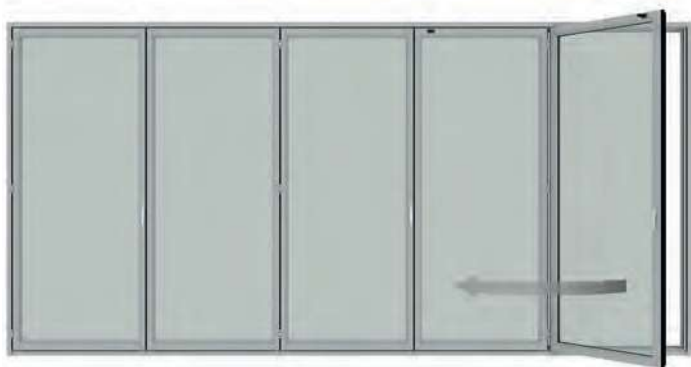


- Risk of injury and material damage due to additional load at the panel.

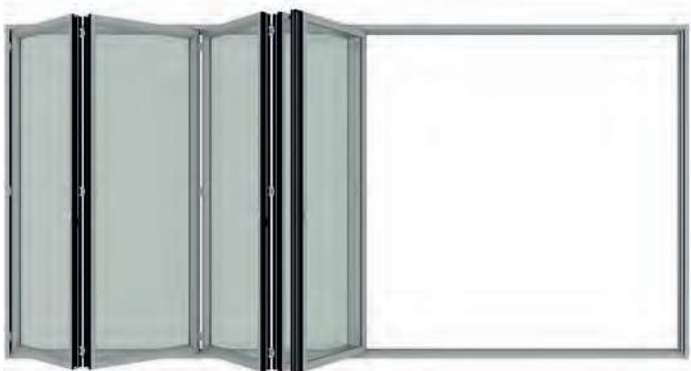


- Risk of injury by wind action.

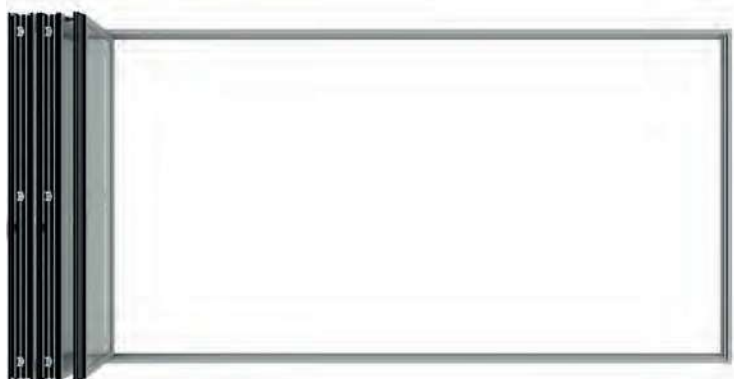
Operation



Opening of the first panel



Folding of the hinge connected panels



Parking of the folded panels

Maintenance and servicing instructions

General

External building parts are not only subject to the weather, but also increased stress caused by smoke, industrial fumes and aggressive airborne dust. In conjunction with rain and dew, deposits of these substances may affect the surface and change the appearance. External parts must therefore be cleaned (at least twice annually or more frequently depending on the degree of contamination) to avoid possible settling of deposits. The sooner you remove dirt from the surface, the easier it is to clean. Observe the safety instructions and instructions for use of the respective servicing and cleaning products. When cleaning do not use a material with an unknown composition. If you are not certain about the effect of the cleaner, then test it first by cleaning a visually unimportant, non-exposed portion of the component.

Fittings

All fittings must be regularly checked for tightness and wear. Attachment screws must be tightened and defective parts replaced as required. In addition, at least once a year, all moving and sliding fittings must be lightly greased with fitting grease. Only servicing and cleaning agents that do not affect the corrosion protection of fittings should be used.

Glass surfaces

Dirty glass surfaces can be cleaned using water and a sponge or cloth, etc. Commercially available non-abrasive glass cleaners (such as Ajax, Pril, etc.) can be added to the water. Stubborn stains such as paint or tar splashes should be removed with methylated spirits or white spirit.

Caution!

Do not use alkaline caustic solutions, acids, and fluoride-containing detergents to clean glass surfaces.

Caution!

A suitable protective film should be used to protect the glass surface against mortar spattering, cement slurry, sparks or weld sputtering from partitioning screens and stone-facade acidic-cleaner..

Seals

All seals must be cleaned and lubricated at least once a year to ensure good functioning. For this purpose we recommend the use of a seal care product. The care product maintains the suppleness of the seal, thus preventing premature brittleness. Ensure that the seals are not damaged and do not come into contact with solvent materials.

Aluminium surfaces

Anodizing and powder coating is a highly durable and decorative finishing for aluminium components. To maintain the decorative appearance of such components for decades, the surfaces need to be regularly maintained by means of cleaning twice a year.

Cleaning anodized surfaces

Cleaning of the surfaces must not take place in direct sunlight, the surface temperature must not exceed 25°C. Use only neutral pH cleaners such as normally diluted washing up liquid. Abrasive or scouring materials must not be used to clean heavily soiled, anodized surfaces – cleaning pastes are available.

Cleaning powder-coated surfaces

In the same way as for anodized elements, cleaning must be carried out whilst cold (maximum of 25 °C surface temperature). In this case also, use only pH-neutral material. Solvent-based cleaners attack the surface of the powder coating and, like scouring or abrasive cleaners, should not be used. To remove stubborn fat and greasy dirt we recommend aroma-free methylated spirits. This must only be applied for a short time and then rinsed off with clean water. In addition, we recommend treatment with car wax to leave a water-repellent film. Check on a non-exposed area whether the material used has an adverse effect on the shine.

Wood surfaces on wood/aluminium elements

For the cleaning of internal wood surfaces it is best to use mild detergent such as dilute detergent and soap suds. Since the internal wood surfaces are not subject to wear and weathering by rain and sun light, painting is not required. Avoid abrasive, corrosive and solvent-based cleaners. Use only soft cloths to avoid scratching the paint surface. Window cleaners contain small traces of alcohol and ammonium chloride. These materials are very suitable for cleaning the glass as well as the wood-frame sections. After cleaning, dry the wood profiles with a dry, soft cloth, because extended exposure to alcohol can soften the paint surface.

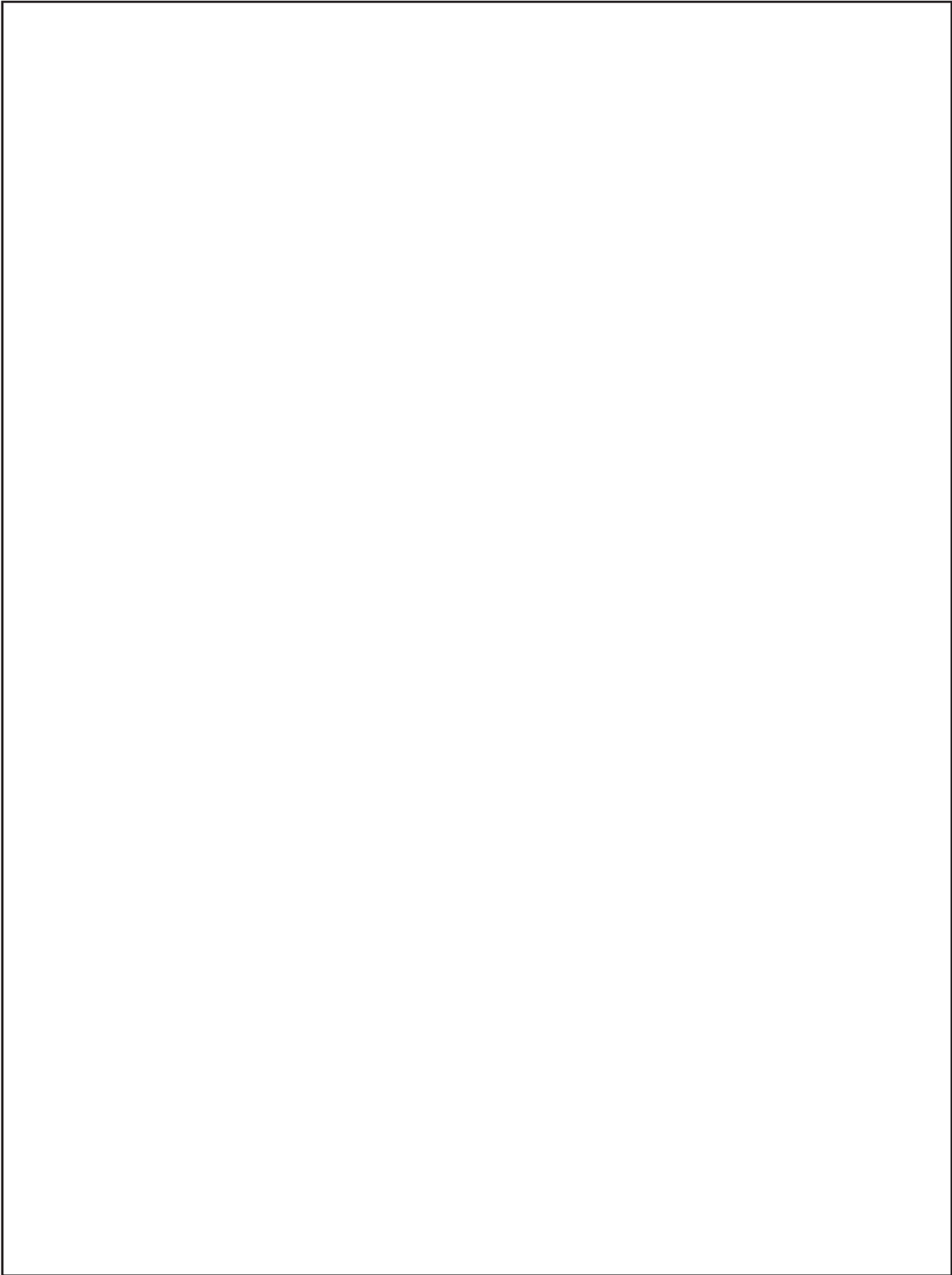
SUNFLEX Aluminiumsysteme GmbH
Im Ruttenberge 12
D-57482 Wenden-Gerlingen
Tel.: +49 (0) 2762 / 9253-0
Fax: +49 (0) 2762 / 9253-280
info@sunflex.de

Limited Warranty

Seller warrants that the Products will, when delivered, substantially conform to the respective written Product description furnished to Purchaser, and all Products to be free from defects in material and workmanship within twenty four (24) months period from the date of manufacture and will perform in accordance with SUNFLEX operating instructions if properly installed, used and serviced. Should a Product(s) become defective within such period, Purchaser at its cost shall submit its claim and the defective Product to SUNFLEX and the sales receipt stating the defects and the circumstances under which the defect occurred in which case SUNFLEX will examine, and upon establishing Purchaser's validity of claim, at its sole discretion repair the Product(s), exchange the Product(s), or refund the purchase price, which shall fully satisfy and discharge any and all warranty claims. Warranty related inquiries should be addressed to the following address: SUNFLEX WALL SYSTEMS LP c/o Warranty Service, Naples, Florida. This warranty extends only to Product(s) installed as specified for the respective Product(s) and does not extend to any product(s) (i) which has been used inconsistent with its intended use, (ii) has not been properly installed by a qualified licensed technician experienced in the installation of the Product(s), (iii) which was modified or repaired by anyone other than SUNFLEX personnel or authorized service representative, (iv) damaged because of misuse, neglect or improper installation or service. No warranty of fitness for a particular purpose is made. In addition, the foregoing warranty shall not apply to any parts or components not manufactured by Seller.

THE WARRANTIES SET FORTH HEREIN ABOVE ARE IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED. THE SALE IS MADE ON THE EXPRESS UNDERSTANDING THAT THERE IS NO IMPLIED WARRANTY THAT THE PRODUCTS SHALL BE FIT FOR ANY PARTICULAR PURPOSE. THE PURCHASER ACKNOWLEDGES THAT PURCHASER IS NOT RELYING ON SELLER'S SKILLS OR JUDGMENT TO SELECT OR FURNISH PRODUCTS SUITABLE FOR ANY PARTICULAR PURPOSE OR JOB OR TO DETERMINE FEASIBILITY OF THE PRODUCTS FOR ANY PARTICULAR PURPOSE. THE PURCHASER ACKNOWLEDGES THAT THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION HEREIN. IN NO EVENT SHALL SUNFLEX BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, OR SPECIAL DAMAGES, AND DAMAGES ARISING OUT OF THE PURCHASE, UNLOADING, HANDLING, AND USE OF ANY PRODUCTS, ALL OF WHICH ARE WAIVED BY PURCHASER AND IN ANY EVENT, DAMAGES HEREUNDER SHALL BE LIMITED TO A MAXIMUM OF THE PURCHASE PRICE. THIS WARRANTY GIVES THE CONSUMER SPECIFIC LEGAL RIGHTS AND THE CONSUMER MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

The Purchaser shall inspect and accept or reject acceptance of the Products immediately upon the arrival and shall, within five (5) days after the arrival, give written notice to SUNFLEX of any claim that the Product(s) do not conform with the terms of the order. If the Purchaser shall fail to give such notice, the Product(s) shall be deemed to have been accepted and the Purchaser shall pay for the products in accordance with the terms of the order. The purchaser expressly waives any rights the Purchaser may have to revoke acceptance after such five (5) day period.



TERMS OF SALE

1. Purchase of Products

- A Except to the extent otherwise agreed upon in writing, the terms set forth herein shall govern the sale and delivery of the wall systems described on the reverse side hereof ("Products") by Sunflex Wall Systems LP ("Seller") and purchased by the purchaser named on the reverse side hereof ("Purchaser").
- B All dealings between the parties shall be in writing and no order of Purchaser shall be binding on Seller until approved in writing by Seller.
- C Prices of Products are subject to change without notice, and all references in sales brochures, technical data sheets and offers as to size, weight, and other details of the Products are approximate only. No such term shall be binding on Seller unless expressly incorporated in a purchase order which is approved and accepted by Seller in accordance with the terms hereof.
- D Except as provided in subsection (e) of this Section 1, a purchase contract hereunder shall become effective upon the mailing of a written acceptance of Purchaser's order by Seller.
- E If the terms stated in Purchaser's order are not acceptable to Seller, Seller may amend, delete or alter such terms and submit a counter-offer incorporating such amendments, deletions or alterations to Purchaser, it being understood and agreed that such counter offer shall be deemed accepted by Purchaser and shall become binding on the parties if and in case Seller does not receive notice to the contrary from Purchaser within 3 (three) days after Seller has sent such counter-offer to Purchaser.
- F Purchaser acknowledges that Seller's acceptance of any purchase order is dependent on Seller's prior approval of Purchaser's credit. Purchaser agrees that Seller may demand assurances of Purchaser's ability to pay by requesting such trade or banking references or such other information as deemed adequate by Seller.

2. Delivery

- A Unless expressly agreed upon in writing to the contrary, the terms of delivery are Delivery Duty Paid (DDP) to Purchaser's receiving dock. Seller will use commercially reasonable efforts to make the products available for pick up by Purchaser or delivery within a reasonable time after acceptance of an order from Purchaser.
- B Purchaser bears the risk of loss or destruction of the Products upon and after the first to occur of (i) signed receipt and acceptance of delivery of Products by Purchaser or his agent, (ii) pick-up or acceptance of the Products by Purchaser or its common carrier at Seller's place of business or (iii) the 14th (fourteenth) day after notification from Seller that the Products are ready for pick-up or delivery from the seller's place of business. In the event the Purchaser requests a delay in pick-up or delivery, Purchaser assumes all risk of loss, damage and/or destruction of the Products from the date the Products are ready to be picked up or delivered.
- C Purchaser agrees that it will pick up at Seller's place of business or agree for Seller to ship Products purchased for delivery within 14 (fourteen) days after written notification from Seller that Products are ready to be received by Purchaser. If Purchaser does not pick up or agree to have Seller ship products within 14 (fourteen) days after notification from Seller and/or Seller is required to store the Products due to any delay caused by Purchaser, Purchaser shall reimburse Seller for reasonable storage charges.

- D Seller reserves the right to make the Products available for pick-up and delivery in installments provided that such installments shall not be less than one product unit, unless otherwise expressly stipulated to the contrary in a written document signed by Seller. Delay in delivery of any installment shall not relieve Purchaser of its obligation to accept remaining deliveries.
- E If Purchaser should request any modification of the order after Seller's acceptance, Seller shall have the right to extend the delivery time period as reasonably needed to complete Purchaser's change order.

3. Force Majeure

Notwithstanding anything to the contrary, Seller shall not be liable for any delay or failure to perform hereunder when such failure or delay is, directly or indirectly, caused by, or in any manner arises from fire, floods, accidents, civil unrest, acts of God, war, terrorism, governmental interference or embargoes, strikes, labor difficulties, shortage of labor, fuel, power, materials, or supplies, breakage of machinery or apparatus, transportation delays, or any other cause or causes (whether or not similar in nature to any of those hereinbefore specified) beyond its control.

4. Warranties and Claims

- A Seller warrants that the Products when delivered shall comply with standards and limitations set forth in the Limited Warranty.
- B Purchaser shall within five (5) working days after its receipt of the Products, and in any event no later than thirty (30) days from the shipping date, give written notice to Seller of any claim that the Products do not conform with the terms of the order or have material defects which a casual inspection would disclose. If Purchaser fails to give such notice, the Products shall be deemed to conform to the terms of the order, and Purchaser shall be deemed to have accepted and shall pay for the Products in accordance with the terms of this order. Purchaser expressly waives any right Purchaser may have to revoke acceptance or claim a breach of warranty with respect to such obvious or material defects, a casual inspection should have disclosed after such five-day period.

EXCEPT AS SET FORTH EXPRESSLY IN SELLER'S STANDARD WRITTEN WARRANTY WITH RESPECT TO THOSE ITEMS MANUFACTURED BY SELLER, SELLER MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, WRITTEN OR ORAL, WITH RESPECT TO THE PRODUCTS, INCLUDING, WITHOUT LIMITATION, ITS MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

PURCHASER ACKNOWLEDGES THAT PURCHASER IS NOT RELYING ON SELLER'S SKILL OR JUDGMENT TO SELECT OR FURNISH PRODUCTS SUITABLE FOR ANY PARTICULAR PURPOSE OR JOB, OR TO DETERMINE THE FEASIBILITY OF THE PRODUCTS FOR ANY PARTICULAR APPLICATIONS. PURCHASER ACKNOWLEDGES THAT THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION HEREIN. NEITHER SELLER NOR ANY OF ITS AFFILIATES SHALL BE LIABLE FOR, AND PURCHASER WAIVES ANY CLAIM AGAINST SELLER AND ITS AFFILIATES FOR, MULTIPLE, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, DAMAGE OR LOSS OF OTHER PROPERTY OR PRODUCTS, LOSS OF PROFITS OR REVENUE, LOSS OF USE OF MACHINERY OR PARTS THEREOF, INABILITY TO PERFORM SPECIFIC PROJECTS, COST OF CAPITAL, INJURIES TO OR DEATH OF PERSONS OR DAMAGE TO PROPERTY OR CLAIMS RESULTING FROM CONTRACTS AND/OR AGREEMENTS BETWEEN PURCHASER, ITS CUSTOMERS AND/OR SUPPLIERS, IN EACH CASE WHICH IN ANY WAY RELATE TO THE PURCHASE OF PRODUCTS BY PURCHASER OR THE USE OF THE PRODUCTS.

5. Prices

- A All prices quoted by Seller are in U.S. funds and shall be on a net basis DDP (Delivered Duty Paid) to Purchaser's receiving dock.
- B All prices quoted by Seller are subject to adjustment due to Purchaser's change orders, if any.
- C Unless otherwise expressly agreed upon in writing, the price quoted includes the cost of packaging, special containers, crating, palletizing, applicable taxes and duties, shipping, insurance or any other cost to provide Products to Purchaser.

6. Payment

- A Unless otherwise expressly agreed upon in writing, payment shall be made in full according to the terms specified on page 1 hereof. Purchaser shall not withhold or reduce payments on account of complaints, claims, or counterclaims not acknowledged and accepted by Seller.

7. Default

- A Purchaser shall be in default (hereinafter .Default.) under this Agreement and Seller may terminate this Agreement and exercise all other remedies in law or in equity if Purchaser: (i) fails to make payment hereunder to Seller when due; or (ii) breaches any other term, provision or condition contained in this Agreement; or (iii) is declared to be in default under any other agreement between Purchaser and Seller, and if in any of the foregoing cases set out in (i), (ii) or (iii), Purchaser fails to cure any said breach or default within 5 (five) days following written notice thereof from Seller.
- B Upon the occurrence of a Default, Seller may elect to exercise any one or more of the following options:
 - i. Seller may hold the Products until such time as Purchaser has paid the respective purchase price and any expenses (including finance charges, returned check fees and interest determined at a rate equal to the lower of eighteen percent (18%) per annum or the maximum rate permitted by applicable law incurred by Seller as a consequence of such default.
 - ii. Seller may sell the Products to a third party and require Purchaser to reimburse Seller for any losses, or expenses associated therewith.
 - iii. Seller may require payment in cash prior to delivery of any Products hereunder.
 - iv. Seller may withhold any Products not delivered to Purchaser at the time of the default.
 - v. Seller may terminate this Agreement.
 - vi. Seller may exercise all other rights hereunder and may seek all other remedies available to it in law or in equity.
- C Purchaser agrees that, in the event any legal action should be deemed necessary by Seller to recover any sums due hereunder or under any promissory note, trade acceptance, or invoice, or, if applicable, to recover possession of the Products, as defined hereinabove, or any proceeds from the sales thereof, there shall be added to the sums due from Purchaser to Seller the costs of collection, including reasonable attorney's fees.
- D When reasonable grounds for insecurity arise with respect to Purchaser's performance, Seller may in writing demand assurance of due performance and until it receives such assurance may suspend any performance for which it has not already received payment.

8. Protection of Trade Secrets and Confidential Information

The parties hereto agree that

- A Except as provided for in subsection (b) of this Section, Purchaser shall not disclose any Trade Secrets or Confidential Information of the other party to any individual or entity not a party to this Agreement.
- B Purchaser may make available Trade Secrets or Confidential Information to its qualified employees, as defined herein after, to the extent that such information must be disclosed to such qualified employees to apply the Trade Secrets or Confidential Information to its intended use. A "qualified employee" shall mean any individual employed by or affiliated with Purchaser who is bound by a valid and fully enforceable confidentiality agreement which contains confidentiality obligations substantially similar to the confidentiality obligations stated herein, prior to disclosure of the Trade Secrets and Confidential Information to such employee.
- C For purposes of this Agreement the following terms shall have the meanings set forth below:
 - i. The term 'Trade Secrets' shall mean and include any and all designs, plans, processes, tools, mechanisms, programs or compounds known to only Seller, or to those of its clients and employees to whom they must be confided in order to be applied to the uses intended, some or all of which may arise to the level of being patentable or subject to copyrights, all as further defined under the laws of the State of Florida.
 - ii. The term "Confidential Information" shall mean and include information not rising to the level of Trade Secret and not generally known to or by a business in competition with the Seller or otherwise publicly disseminated by the protected party hereto, the disclosure of which may be beneficial to a competing business or detrimental to Seller.

9. Arbitration

Any controversy or claim arising out of or relating to this Agreement, or the breach hereof, shall be submitted to and be finally resolved by arbitration, to be conducted by the American Arbitration Association (.AAA.), with such arbitration to be held in Atlanta, Georgia in accordance with the AAA.s Commercial Arbitration Rules then in effect. Each party hereby irrevocably agrees that service of process, summons, notices, as other communications related to the arbitration procedures shall be deemed served and accepted by the other party five (5) working days after having been mailed by first class registered mail, return receipt requested, postage prepaid, to the other party, or if actually received by the other party. The arbitration shall be conducted by one arbitrator, as selected by the AAA. Any award or decision rendered in such arbitration shall be final and binding on both parties, and judgment may be entered thereon in any court of competent jurisdiction if necessary. Except as may be provided to the contrary herein, each party hereto shall pay any and all expenses incurred by such party in connection with such arbitration proceeding, unless otherwise determined by the arbitrator.

10. Miscellaneous

- A Purchaser may not assign this contract without the express prior written consent of Seller.
- B Except as otherwise expressly provided in Section 1(e) hereof or in a written document, signed by Seller and Purchaser, this document and attachments and exhibits thereto constitute the entire agreement between Seller and Purchaser with respect to the subject matter herein contained and all prior agreements and communications between Seller and Purchaser, whether oral or written, are superseded by this Agreement.

- C No modification, limitation, waiver or discharge of this Agreement or of any of its terms shall bind Seller unless in writing and signed by a duly authorized employee of Seller. The failure of Seller to insist, in one or more instances, on performance by Purchaser in strict compliance with the terms and conditions hereof shall not be deemed a waiver or relinquishment of any right granted hereunder with respect to any succeeding breach of the same or other provision hereof.
- D All notices required hereunder shall be in writing and sent by first class mail or by telefax or written confirmation to such addresses as stated on the reverse side hereof.
- E This Agreement shall be governed by, and construed, interpreted and enforced under the laws of the State of Florida without giving effect to the conflict of laws principles.
- F In connection with any litigation, including appellate proceedings, arising out of or pertaining to any of the contractual relationships between Seller and Purchaser or the breach thereof, as contemplated herein, all costs and expenses, including reasonable attorneys fees, shall be borne by the losing party or, as the case may be, shall be prorated to properly reflect any partial losing or prevailing of the parties to such litigation.
- G In case any conditions of this Agreement should be or become unenforceable under applicable law, the remaining provisions, stipulations and conditions of this Agreement shall not be affected thereby.



COMPANY INTRODUCTION

Let us introduce ourselves.

Tilutex LLC
Tel.: 1-800-606-0756
28360 OLD US 41 RD #6
Bonita Springs, FL 34135

Exclusive partnership with:



Locations

SUNFLEX began in Germany in 1963 and in 2008 we established our US / Canada office adding to our operations in the U.K., Netherlands, South Africa, UAE, Thailand, and Mexico. Our unique value proposition is our vertically integrated process from our hardware to our profiles, everything specifically engineered and manufactured at our German facilities for each custom-made system to ensure consistency, durability and maximum service life with final panel assembly at our U.S. location. SUNFLEX has become an international pioneer in operable glass wall systems and with TILUTEX/SUNFLEX you are dealing directly with the manufacturer.



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Product Applications

SUNFLEX Wall Systems custom designs and manufactures precision performing sliding /folding glass wall and door systems. We offer a versatile product range to meet the most demanding requirements in terms of quality, functionality and design while at the same time being highly adaptable to specific project needs.

Whether for a stadium, school or library, hospitality or office project or simply a residential space, if your project calls for operable glass wall and door systems our team is ready to support your design solutions and assist you in meeting your client's needs. We offer solutions for your residential, commercial and hospitality projects. TILUTEX is a company of commitment, integrity and quality and simply stated "nobody does it better".



Hospitality



Residential



Commercial

Tilutex LLC
Tel.: 1-800-606-0756
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High Profile Projects

SUNFLEX products have been chosen as the system of choice by such well known properties as Harvard, Hyatt Regency, Marriott, Hilton, Wynn Hotel, California Pizza Kitchen, Yankee Stadium, Commonwealth Stadium, University of Kentucky Football Training Facility, Florida State University, Estadio Azteca Stadium, Erikson Tower, Apple Headquarters, Condè Nast, USAA, Universal Studios, Wolfgang Puck at Disney, Phoenix Zoo, BBC Worldwide America and Seattle Stadium Place to name only a few.



Schwartz Pavilion on the Harvard Business School Campus



Product used: SF50 HSW



Product used: SF40 HSW

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Restaurants



Product used: SF50 HSW



Product used: SF50 Folding

Luxury Penthouses



STADIUM
PLACE

Product used: SF55 Folding

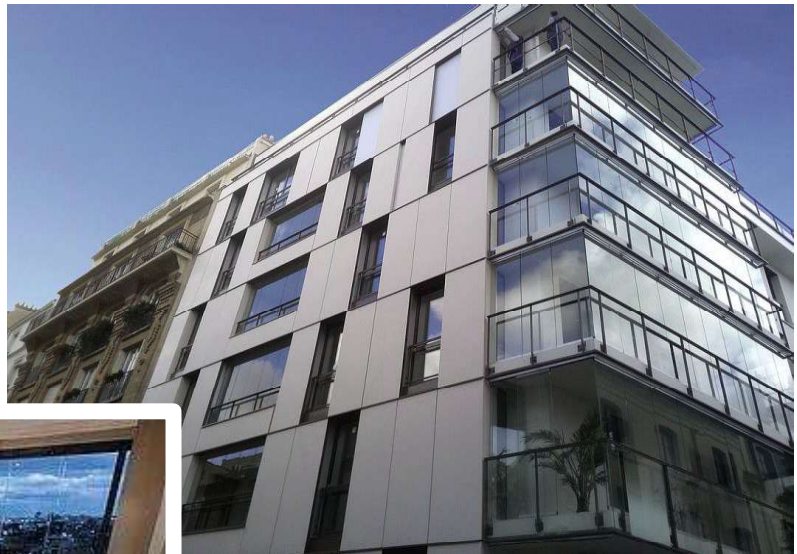


Product used: SF55 HSW

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Balcony Enclosures

Product used: SF25



Product used: SF25



Product used: SF20



Pre-Sales Support

Our goal was and is to be the leading company when it comes to our products. We always work on the designs for the next generation of operable glass walls.

But what is a well-designed product, without the needed state of the art production, which respects the environment and delivers the highest grade of quality in every detail of the product.

"The Best Product Possible" is not defined by the most expensive product possible, it is "The Best Solution for the Customers Application".

When we support our customers finding "The Best Solution for their Application", we help them to find the best product they need to fulfill their demand, which still helps to minimize the investment, while gaining the full satisfaction with the Solution offered.

Post-Sales Support

We will stay available. A project isn't finished after it is sold or delivered.

A manufacturer isn't finished with a job when it is delivered, our responsibility for the product never ends. It doesn't mean that a manufacturer is in charge for misuse, bad maintained products or wear and tear resulting out of those conditions. But whenever it comes to any issues with the products, if they are 1 month young or already 30 years old, the customer needs to be able to rely on the manufacturer, to find a solution for the problem, with the attention and in a timely manner, it deserves. Most of the vendors don't know too much about the issues and solutions possible, since they don't have such a foundation like TILUTEX can offer it.

No matter what, don't hesitate to reach out to our support team.

We invite you to review our website www.tilutex.com where additional information on all our systems can be found. TILUTEX welcomes the opportunity to answer any questions.

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