**CONSTRUCTED FOOTPRINT**

CONSTRUCTED FOOTPRINT (MAX = 250.55 m² / 2,700 ft²)

250.55 m² (2,696.9 ft²) with doors, exterior furniture and SHORT ramp.

**CONTRACTED FOOTPRINT COMPLIANCE PLAN - SHORT RAMP CONFIGURATION B**

---

**COMPLIANCE PLAN**

G-103
TEAM NAME: SWISS TEAM
ADDRESS: smart living lab / SLC
Halle bleue, site de blueFACTORY
Passage du Cardinal 13B
CH-1700 Fribourg
CONTACT: info@swiss-living-challenge.ch
http://www.swiss-living-challenge.ch

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CONSTRUCTED FOOTPRINT (MAX = 250.8 m² / 2 700 ft²)

250.06 m² (2691.6 ft²) with doors, exterior furnitures, wastes collectors and LONG ramp

CONSTRUCTED FOOTPRINT COMPLIANCE PLAN - LONG RAMP CONFIGURATION B

G-105
CONSTRUCTED FOOTPRINT COMPLIANCE PLAN - LONG RAMP CONFIGURATION C

CONSTRUCTED FOOTPRINT (MAX = 250,32 m² / 2694,4 ft²) with doors, interior furnitures, wastes collectors and LONG ramp.
TEAM NAME: SWISS TEAM
ADDRESS: smart living lab / SLC
Halle bleue, site de blueFACTORY
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http://www.swiss-living-challenge.ch

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EGRESS PLAN

NO DATE DESCRIPTION

DELIVERABLE 04 2016-11-06
DELIVERABLE 06 2017-02-16
DELIVERABLE 08 2017-08-10

N° DRAWN BY: scale.

Plans are drawn with metric system (cm)

EGRESS PLAN - wind higher than 70 km/h (43.5 MPH)
SWISS TEAM
smart living lab / SLC
Halle bleue, site de blueFACTORY
Passage du Cardinal 13B
CH-1700 Fribourg
info@swiss-living-challenge.ch
http://www.swiss-living-challenge.ch

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LANDSCAPE ELEVATIONS

L-202
PLANTING DETAILS

L-303

45
60
75
30
30
30
68
68

A1

PLANTING DETAILED PLAN - POTS

NeighborHub

SWISS TEAM

TEAM NAME:

ADDRESS:

Halle Bleue, site de BlueFACTORY
Passage du Cardinal 13B
CH-1700 Fribourg

CONTACT:

info@swiss-living-challenge.ch
http://www.swiss-living-challenge.ch

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N°

DATE

DESCRIPTION

DRAWN BY:

scale:

PLANTING DETAILS

L-303

 NeighborHub

SWISS TEAM

TEAM NAME:

ADDRESS:

Halle Bleue, site de BlueFACTORY
Passage du Cardinal 13B
CH-1700 Fribourg

CONTACT:

info@swiss-living-challenge.ch
http://www.swiss-living-challenge.ch

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N°

DATE

DESCRIPTION

DRAWN BY:

scale:

PLANTING DETAILS

L-303
Swiss Living Challenge

TEAM NAME: SWISS TEAM
ADDRESS: smart living lab / SLC Halle Bleue, site de blueFACTORY Passage du Cardinal 13B CH-1700 Fribourg
CONTACT: info@swiss-living-challenge.ch http://www.swiss-living-challenge.ch

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N° DATE DESCRIPTION
1 01 DELIVERABLE 04 2016-11-06
2 02 DELIVERABLE 06 2017-02-21
3 03 DELIVERABLE 08 2017-08-10

PLANTING DETAILED PLAN - PHYTODEPURATION POND

for final set-up in Switzerland

grey water
natural soil
ground
reeds

for final set-up in Switzerland

clean water
moat
waterproof membrane

NeighborHub

PLANTING DETAILS

L-306
### PLANTING DETAILS

#### LiveRoof vegetation boxes

**A2**

**PLANTING DETAILS PLAN** - LiveRoof vegetation boxes

<table>
<thead>
<tr>
<th>DELIVERABLE</th>
<th>DATE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>2016-11-06</td>
<td>Drawn by</td>
</tr>
<tr>
<td>02</td>
<td>2017-02-21</td>
<td>SWISS TEAM</td>
</tr>
<tr>
<td>03</td>
<td>2017-08-10</td>
<td>ADDRESS</td>
</tr>
</tbody>
</table>

**Trace Name:** SWISS TEAM

**Address:**
Halle Bleue, site de blueFACTORY
Passage du Cardinal 13B
CH-1700 Fribourg

**Contact:**
info@swiss-living-challenge.ch
http://www.swiss-living-challenge.ch

**Client:**
U.S. Department of Energy
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---

- **Skin roof**
- **Ergonomic handles**
- **Drainage holes**
- **Protection sheet**
- **EPDM**
- **LiveRoof standard module**
- **2x Querto Q 27mm**
- **LiveRoof engineered soil**

---

**Team Name:** SWISS TEAM

**Address:**
Halle Bleue, site de blueFACTORY
Passage du Cardinal 13B
CH-1700 Fribourg

**Contact:**
info@swiss-living-challenge.ch
http://www.swiss-living-challenge.ch

**Client:**
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---

**Shown by:**
**Scale:** 1:5

**A2**

**PLANTING DETAILS PLAN** - LiveRoof vegetation boxes

**L-307**
#### VEGETABLES

- Cabbage
- Beetroot
- Potatoes
- Broccoli
- Beans
- Peas
- Mustard
- Spinach
- Turnips
- Chives
- Winter squash
- Basilic
- Mint
- Pumpkin
- Melon
- Summer squash
- Radish
- Carrot

#### FRUIT

- Strawberry
- Blueberry
- Blackberry
- Raspberry

#### HERBS

- Licorice
- Coriander
- Tarragon
- Parsley
- Rosemary
- Sage
- Thyme
- Garlic
- Chevril
- Cumin

#### GREENROOF

- LiveRoof
- Standard
- Sedum©
TEAM NAME: SWISS TEAM
ADDRESS: smart living lab / SLC
Halle Bleue, site de BlueFACTORY
Passage du Cardinal 13B
CH-1700 Fribourg

CONTACT: info@swiss-living-challenge.ch
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SCALE: 1:33

CORE MODULES
STRUCTURAL PLAN
S-103
TEAM NAME: SWISS TEAM
ADDRESS: smart living lab / SLC
Halle Bleue, site de blueFACTORY
Passage du Cardinal 13B
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FOUNDATIONS DETAILS

S-301
SWISS TEAM

ADDRESS: smart living lab / SLC
Halle Bleue, site de BlueFACTORY
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REFLECTED CEILING PLAN

A-102
EXTERIOR ELEVATIONS
TEAM NAME: SWISS TEAM
ADDRESS: smart living lab / SLC
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TECHNICAL RING MODULE DETAILS

A-511
NeighborHub

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TEAM NAME:
SWISS TEAM

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SKIN ROOF DETAILS

DRAWN BY:
JACQUET

NO
SYNTHESE SEMAINE 42
2016-10-16
MODIFICATIONS SEMAINE 42
2016-10-19
MODIFICATIONS SEMAINE 43
2016-10-24
MODIFICATIONS SEMAINE 44
2016-10-28
DELIVERABLE 04
2016-11-06
DELIVERABLE 06
2017-02-16
DELIVERABLE 08
2017-08-10

A-622
TEAM NAME: SWISS TEAM
ADDRESS: smart living lab / SLC
Halle bleue, site de blueFACTORY
Passage du Cardinal 13B
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http://www.swiss-living-challenge.ch
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DOORS DETAILS - technical room doors

A-651
**SWISS TEAM**

**ADDRESS:**
Halle Violette, site de SLC
Passage du Cardinal 13B
CH-1700 Fribourg

**CONTACT:**
info@swiss-living-challenge.ch
http://www.swiss-living-challenge.ch

**CLIENT:**
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<th>N°</th>
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<th>DESCRIPTION</th>
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<tr>
<td></td>
<td>2016-11-06</td>
<td>DOORS DETAILS - skin door</td>
</tr>
<tr>
<td></td>
<td>2017-02-19</td>
<td>DOORS DETAILS - core door</td>
</tr>
<tr>
<td></td>
<td>2017-08-10</td>
<td>DOORS DETAILS - skin door</td>
</tr>
</tbody>
</table>

**DOORS DETAILS**

**SCALE:** 1:20

**DRAWN BY:**

**DOOR DETAILS**

**NEIGHBORHUB**
### SLOPED WALKING SURFACE DETAILS

<table>
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<th>DATE</th>
<th>DESCRIPTION</th>
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<td>04/2016</td>
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<tr>
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<td>06/2017</td>
<td>DELIVERABLE</td>
</tr>
<tr>
<td>03</td>
<td>08/2017</td>
<td>DELIVERABLE</td>
</tr>
</tbody>
</table>

---

**TEAM NAME:** SWISS TEAM  
**ADDRESS:** smart living lab / SLC  
**Halle Bleue, site de blueFACTORY**  
**Passage du Cardinal 13B**  
**CH-1700 Fribourg**  
**CONTACT:** info@swiss-living-challenge.ch  
**http://www.swiss-living-challenge.ch**

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---

**DRAWN BY:**  
SAUTHIER  
**Scale:** 1:20

---

**A-691**

---

**SLOPED WALKING SURFACE PLAN**

<table>
<thead>
<tr>
<th>A1</th>
<th>SLOPED WALKING SURFACE SECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2</td>
<td>SLOPED WALKING SURFACE SECTION</td>
</tr>
</tbody>
</table>

---

**SLOPED WALKING SURFACE SECTION**

---

**SLOPED WALKING SURFACE SECTION**
SWISS TEAM
ADDRESS: smart living lab / SLC
Halle bleue, site de BlueFACTORY
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SPRINKLER WATER TANK
CLEAR WATER TANK
WASTE WATER TANK
WATER TANK ACCESS HATCH

DRAWN BY: 1:20

SLOPED WALKING SURFACE ELEVATION
SLOPED WALKING SURFACE PLAN
SLOPED WALKING SURFACE SECTION
Adaptability:
- Adjustable feet to adapt the sloped walking surface to small differences of levels.
- In case of an ideal ground (difference of 65cm between the finished ground and the natural ground), we use 3 modules (deck module, adjustment module and slope module) and a metal plate at the end.
- In case of a lower natural ground (difference from 65cm to 76.5 cm between the finished ground and the natural ground), the sloped walking surface is moved to the west of 2.2 m and an additional module is added.
- The additional module will be built on site in order to adapt it to the exact slope.
The waiting line will take place before the sloped walking surface, but on the plot.
TEAM NAME: SWISS TEAM
ADDRESS: smart living lab / SLC Halle Bleue, site de blueFACTORY Passage du Cardinal 13B CH-1700 Fribourg
CONTACT: info@swiss-living-challenge.ch
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N° DATE DESCRIPTION
DRAWN BY: scale:
01 2016-11-06 HOUSE RENDERING - skin doors closed
02 2017-02-19
03 2017-08-10

A-901
FURNITURE LAYOUT

BED MODULE - ELEVATION

BED MODULE - OPENED BED (BEDROOM CONFIGURATION)

BED MODULE - CLOSED BED (LIVING ROOM CONFIGURATION)

BED MODULE - OPENED AND CLOSED CONFIGURATIONS SECTIONS

BED MODULE - OPENED AND CLOSED CONFIGURATIONS AXONOMETRY

Kerto-Q 2.1 cm
White wood stain

The bed is screwed in the wall.
Kerto-Q 2.1cm White wood stain

White board

two unidirectional wheels
Construction:
A- Skin's folding doors
B- Core's glazed doors
C- Core's door/skin doors, bathroom's door (hotel)
D- Sliding panels (Core)
E- Technical room's windows
F- Closet doors
G- Openable skylights with solar protection
H- Solar dryer sliding doors

Furniture:
1- Adjustable bed (bedroom module) made by: SLC
   location: 1- bedroom module
   quantity: 1
   description: The bed can be opened and closed in order to have a bedroom or a living room.
   material: kerto-Q 2.1 cm, White wood stain
   see drawing I-201

2- Movable bookcase (bedroom module) made by: SLC
   location: 2- bedroom module
   quantity: 1
   description: The bookcase can move in order to create a cozy atmosphere when the bed is closed.
   material: kerto-Q 2.1 cm, White wood stain
   see drawing I-202

3- Couches + extra bed (couches' cushions) made by: SLC
   location: 3- bedroom module
   quantity: 3
   description: The large cushions can make two extra beds or one double bed.
   material: kerto-Q 2.1 cm, White wood stain
   see drawing I-204

4- Conference modules (bedroom module) made by: SLC
   location: 4- bedroom module
   quantity: 2
   description: You can store them in the bedroom module or take it in the Core. The back of it is a white board to write on.
   material: kerto-Q 2.1 cm, White wood stain
   see drawing I-203

5- Mobile sideboard (north Core module) made by: SLC
   location: 5- north cupboards of the core
   quantity: 1
   description: Mobile sideboard. It can be moved in the space and used as a worktop, transport tools or be a support for the beamer.
   material: kerto-Q 2.7 cm
   see drawing I-205

6- Tables made by: SLC
   location: 6- conference module
   quantity: 4
   description: Trestle table.
   website: http://www.moaroom.com/

7- Benches made by: SLC
   location: 7- conference module
   quantity: 6
   description: Bench plate made with wood structure leftovers, kerto-Q 2.7 cm, White wood stain

8- Stool, footstool, bench made by: SLC
   location: 8- conference module
   quantity: 3x
   description: Cardboard stool with a round felt seat.
   see drawing I-201

9- Cardboard boxes made by: SLC
   location: 9- conference module
   quantity: 2x
   description: Cardboard box.

10- Modular shelves (extended skin) made by: SLC
    location: 10- extended skin
    quantity: 1
    description: Table with wood structure leftovers, kerto-Q 2.7 cm, White wood stain
    website: http://www.moaroom.com/

11- Benches made by: SLC
    location: 11- conference module
    quantity: 6
    description: Cardboard footstool with a round felt seat.

12- NeighborFoot made by: SLC
    location: 12- extended skin
    quantity: 1
    description: Cardboard stool with a round felt seat.

name: Couch
location: 3- bedroom module
type: 3
made by: SLC
description: it is a couch when the bed is closed.
material: kerto-Q 2.1 cm, White wood stain
see drawing I-204

name: Table
location: 6- conference module
type: 4e
made by: Système Pi par Roderick Fry - Mobilier bois et acier
description: Table plate made with wood structure leftovers, kerto-Q 2.7 cm, White wood stain
website: http://www.moaroom.com/

name: Bench
location: 7- conference module
type: 2
made by: Système Pi par Roderick Fry - Mobilier bois et acier
description: Trestle table.

name: Footstool
location: 8- conference module
type: 3x
made by: stooly
description: Cardboard footstool with a round felt seat.

name: Stool
location: 8- conference module
type: 12x
made by: stooly
description: cardboard stool with a round felt seat.

name: NeighborFoot
location: Extended Skin and/or Core
type: 1x
made by: SLC
description: Extended Skin and/or Core
material: kerto-Q 2.1 cm, White wood stain
see drawing I-206

name: Mobile sideboard
location: 5-north cupboards of the core
type: 5x
made by: SLC
description: Mobile sideboard. It can be moved in the space and used as a worktop, transport tools or be a support for the beamer.
material: kerto-Q 2.7 cm
see drawing I-205

name: NeighborFoot
location: Extended Skin and/or Core
type: 1x
made by: SLC
description: Extended Skin and/or Core
material: kerto-Q 2.1 cm, White wood stain
see drawing I-206

name: Adjutable bed
location: 1- bedroom module
type: 1x
made by: SLC
description: Adjustable bed (bedroom module)
material: kerto-Q 2.1 cm, White wood stain
see drawing I-201
FIRE PROTECTION SCHEMATIC

SWISS TEAM

ADDRESS:
smart living lab / SLC
Halle bleue, site de blueFACTORY
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CONTACT:
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FIRE PROTECTION SCHEMATIC

F-201
### Fire Suppression Schedule

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Manufacturer / Supplier</th>
<th>Model / remark</th>
<th>Count</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>F_pipe1</td>
<td>Mapress Steel pipe, d=28mm, L=6m</td>
<td>DeBrunner Acifer</td>
<td>Ref: 911.112.140</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>F_pipe2</td>
<td>Mapress Steel pipe, d=38mm, L=6m</td>
<td>DeBrunner Acifer</td>
<td>Ref: 911.112.160</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>F_riser</td>
<td>Residential Riser</td>
<td>D.E.S. Systemes de Securite SA</td>
<td>Custom made with flow meter and pressure switch</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>F_Sp1</td>
<td>Sprinkler head</td>
<td>Reliable Sprinkler</td>
<td>Model RFC49 (SN PA0616)</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>F_Sp2</td>
<td>Sprinkler head - Intermediate temperature</td>
<td>Reliable Sprinkler</td>
<td>Model FRRes 49 Pendant Intermediate temp. Rating</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>F_Tank</td>
<td>Fire suppression tank</td>
<td>Laboronne-Citif</td>
<td>Custom made, 1.13m3</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>F_Sp3</td>
<td>Flexible connection, 1&quot; male, 1&quot; male, L=1220mm</td>
<td>D.E.S. Systemes de Securite SA</td>
<td>Rapidrop SP Flexible Sprinkler Connection 3.3</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Ball Valve, 1.1/4&quot; bronze</td>
<td>DeBrunner Acifer</td>
<td>2</td>
<td>Link</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suction pipe from tank to pump</td>
<td>Gomatec Wilba</td>
<td>3</td>
<td>Link</td>
<td></td>
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</tbody>
</table>

### Fire Detection Schedule

<table>
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<th>Name</th>
<th>Description</th>
<th>Manufacturer / Supplier</th>
<th>Model / remark</th>
<th>Count</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>F_detector</td>
<td>Fire detector base</td>
<td>D.E.S. Systemes de Securite SA</td>
<td>Q8Quad Detector Base and options</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>F_detector</td>
<td>Fire detector with alarm</td>
<td>D.E.S. Systemes de Securite SA</td>
<td>Fire Detector Q8Quad with alarm device</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>F_DI</td>
<td>Electrical board</td>
<td>D.E.S. Systemes de Securite SA</td>
<td>Custom made from Q8B Control C</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>F_SPB</td>
<td>Sprinkler Test Box (SPB)</td>
<td>D.E.S. Systemes de Securite SA</td>
<td>Custom made</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Backup batteries</td>
<td>Ultracell</td>
<td></td>
<td>UL 7-12</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3 position pump switch (auto, manual, 0) with safety lock</td>
<td>Eaton</td>
<td></td>
<td>TO-2-6900/II/SVB</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>
DOMESTIC WATER

- Circulatory loop
- Cold water
- Hot water
- Rain water
- Sprinklers
- Gray water

SOLAR THERMAL

- Domestic cold water
- Domestic hot water
- Glycol cold line
- Glycol hot line
- Regulation valve

WATER GENERAL CONCEPT

- Rainwater (RW)
- Cold drinking water (CW)
- Hot drinking water (HW)
- Greywater (GW)
- Organic matter (OM)

- Only exposed during the competition
- Jouila heat recovery

METERING

- Flowmeter
- Floating switch
- Amphimeter

PLANS ARE DRAWN WITH METRIC SYSTEM (CM)

COUSIN PIPES SYMBOLS

- Three-way valve (automatic)
- Three-way valve
- Check valve
- Check valve (with shutting device)
- Pump timer
- Blowhole
- Safety valve

NEIGHBORHUB

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TEAM NAME: SWISS TEAM

ADDRESS: smart living lab / SLC
Halle bleue, site de blueFACTORY
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P-001
RAINWATER MANAGEMENT - roof plan

RAINWATER MANAGEMENT - sections

A1

A1
<table>
<thead>
<tr>
<th>TYPE MARK</th>
<th>DESCRIPTION</th>
<th>MANUFACTURER</th>
<th>MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>WM-1</td>
<td>Washing Machine</td>
<td>V-Zug Adora</td>
<td>SLQ WP</td>
</tr>
<tr>
<td>DR-1</td>
<td>Dryer</td>
<td>V-Zug Adora</td>
<td>TSLQ WP</td>
</tr>
<tr>
<td>SK-1</td>
<td>Skin sink</td>
<td>Romay</td>
<td>Classic 50/30</td>
</tr>
<tr>
<td>SK-2</td>
<td>Kitchen sink</td>
<td>SUTER INOX</td>
<td>Accento A SOU</td>
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<tr>
<td>SK-3</td>
<td>Toilet sink</td>
<td>Laufen</td>
<td>Kartell</td>
</tr>
<tr>
<td>SK-4</td>
<td>Bathroom sink</td>
<td>Laufen</td>
<td>VAL</td>
</tr>
<tr>
<td>SH-1</td>
<td>Shower head</td>
<td>Hansgrohe</td>
<td>Crometta BS Green</td>
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<tr>
<td>DHW-1</td>
<td>Thermodynamic boiler</td>
<td>HOVAL</td>
<td>CombiVal WPER 300</td>
</tr>
<tr>
<td>MX-</td>
<td>Thermodynamic mixing valves</td>
<td>Georg Fischer JRG AG</td>
<td>JRGUSIT NG</td>
</tr>
<tr>
<td>D-1</td>
<td>Distribution valves unit</td>
<td>Georg Fischer JRG AG</td>
<td>JRGUSIT NG</td>
</tr>
<tr>
<td>HR-1</td>
<td>Shower heat recovery</td>
<td>Joulia</td>
<td>JP</td>
</tr>
<tr>
<td>RWC-1</td>
<td>Command system for rainwater-clearwater</td>
<td>Hug &amp; Zollet AG</td>
<td>Aquator 15/4</td>
</tr>
<tr>
<td>RWC-2</td>
<td>Filter - collector</td>
<td>Hug &amp; Zollet AG</td>
<td>Garden rain water collector, grey</td>
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<tr>
<td>PWT-1</td>
<td>Supply water tank (2.6 m³)</td>
<td>LABARONNE CITAF</td>
<td>Custom designed flexible tank</td>
</tr>
<tr>
<td>WWT-1</td>
<td>Wastewater tank (2.0 m³)</td>
<td>LABARONNE CITAF</td>
<td>Custom designed flexible tank</td>
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<tr>
<td>RWT-1</td>
<td>Rainwater tank (0.69 m³)</td>
<td>Hug &amp; Zollet AG</td>
<td>AQF 690 L</td>
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<tr>
<td>P-1</td>
<td>Clearwater pump</td>
<td>Grundfos Pumpen AG</td>
<td>Hydro Solo-E</td>
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<td>P-2</td>
<td>Rainwater pump</td>
<td>INCLUDED IN RWC-1</td>
<td>-</td>
</tr>
<tr>
<td>P-3</td>
<td>Recirculation pump</td>
<td>Grundfos Pumpen AG</td>
<td>UPS20 - 14 BX PM</td>
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<td>P-4</td>
<td>Phyto pump</td>
<td>Grundfos Pumpen AG</td>
<td>UNILIFT KP150-AV-1</td>
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<tr>
<td>ME-</td>
<td>Crosslinked PE pipe</td>
<td>Georg Fischer JRG AG</td>
<td>Sanipex</td>
</tr>
<tr>
<td>MEQ-</td>
<td>Crosslinked PE pipe without outside layer</td>
<td>Georg Fischer JRG AG</td>
<td>Sanipex</td>
</tr>
<tr>
<td>MA-</td>
<td>Stainless steel pipe</td>
<td>Geberit</td>
<td>Mapress inox</td>
</tr>
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<td>PE-</td>
<td>PE pipe</td>
<td>Geberit</td>
<td>PE</td>
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<tr>
<td>FK-</td>
<td>Flex pipe</td>
<td>Gomatec Wilba SARL</td>
<td>Spiral PVC hard int. Smooth</td>
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<tr>
<td>WS-1</td>
<td>Primary clarifier</td>
<td>Canplast SA</td>
<td>Parallelepiped tank type ECOPLAST (custom made)</td>
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<td>Grease Separator</td>
<td>Canplast SA</td>
<td>Parallelepiped tank type ECOPLAST (custom made)</td>
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<tr>
<td>WS-3</td>
<td>Pumping chamber</td>
<td>Canplast SA</td>
<td>Cylindrical tank type ECOPLAST (custom made)</td>
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<tr>
<td>PHE-1</td>
<td>Phytopurification bed</td>
<td>-</td>
<td></td>
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<tr>
<td>PM-</td>
<td>Flow-Meter</td>
<td>Gwf MessSysteme AG</td>
<td>Singlejet UNICOcoder MP</td>
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<td>APP-</td>
<td>Shower consumption meter</td>
<td>Amphiro</td>
<td>Amphiro meter</td>
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<td>PS-</td>
<td>Rainwater tank floating switches</td>
<td>Hug &amp; Zollet AG</td>
<td>Yellow floating switch with 3m cable</td>
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<tr>
<td>TYPE MARK</td>
<td>PIPE DIAMETER [mm]</td>
<td>PIPE TYPE</td>
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<tr>
<td>FX-CW-22-01</td>
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<td>Flexible hose</td>
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<tr>
<td>MA-CW-35-01</td>
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<td>Geberit Mapress</td>
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<td>ME-CW-16-01</td>
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<td>ME-HW-16-02</td>
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<td>JRG Sanipex</td>
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<tr>
<td>ME-HW-16-03</td>
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<td>JRG Sanipex</td>
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<td>ME-HW-16-04</td>
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<td>JRG Sanipex</td>
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<td>JRG Sanipex</td>
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<td>MA-HW-15-03</td>
<td>15</td>
<td>Geberit Mapress</td>
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</tbody>
</table>

Pipe Schedule:

- PE-WW-110-01: 110 Geberit PE
- PE-WW-110-02: 110 Geberit PE
- PE-WW-75-01: 75 Geberit PE
- PE-WW-75-02: 75 Geberit PE
- PE-WW-75-03: 75 Geberit PE
- PE-WW-75-04: 75 Geberit PE
- PE-WW-75-05: 75 Geberit PE
- PE-WW-75-06: 75 Geberit PE
- PE-WW-75-07: 75 Geberit PE
- PE-WW-63-01: 63 Geberit PE
- PE-WW-63-02: 63 Geberit PE
- PE-WW-63-03: 63 Geberit PE
- PE-WW-63-04: 63 Geberit PE
- PE-WW-63-05: 63 Geberit PE
- PE-WW-63-06: 63 Geberit PE
- PE-WW-63-07: 63 Geberit PE
- PE-WW-63-08: 63 Geberit PE
- PE-WW-56-01: 56 Geberit PE
- PE-WW-56-02: 56 Geberit PE
- PE-WW-56-03: 56 Geberit PE
- PE-WW-56-04: 56 Geberit PE
- PE-WW-56-05: 56 Geberit PE
- PE-WW-56-06: 56 Geberit PE
- PE-WW-56-07: 56 Geberit PE
- PE-WW-56-08: 56 Geberit PE
- PE-WW-56-09: 56 Geberit PE
- PX-CW-32-01: 32 Flexible hose
### PART 1: COLLECTOR FIELD (PANELS)

<table>
<thead>
<tr>
<th>Type Mark</th>
<th>Description</th>
<th>Manufacturer / Reseller</th>
<th>Model</th>
<th>NB</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Absorbing copper plate</td>
<td>SEBASOL</td>
<td></td>
<td></td>
<td>4</td>
<td>pces</td>
</tr>
<tr>
<td>Collecting copper plate</td>
<td>SEBASOL</td>
<td></td>
<td></td>
<td>9,91</td>
<td>m²</td>
</tr>
<tr>
<td>Mineral wool insulation</td>
<td>Swisspor</td>
<td>SwissporROC Type 3</td>
<td></td>
<td>1,4</td>
<td>m²</td>
</tr>
<tr>
<td>Background Kerto panel</td>
<td>Metsä Wood</td>
<td>Kerto - Q LV panel</td>
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<td>1,6</td>
<td>m²</td>
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<tr>
<td>Solid frame in wood</td>
<td>Vito-Boss</td>
<td>Steamed fr (40 x 75 mm)</td>
<td></td>
<td>4,86</td>
<td>m</td>
</tr>
<tr>
<td>Solid frame in wood</td>
<td>Vito-Boss</td>
<td>Steamed fr (40 x 40 mm)</td>
<td></td>
<td>5,18</td>
<td>m</td>
</tr>
<tr>
<td>Aluminium frame</td>
<td>Debrunner Aicher</td>
<td>Aluminium profil, EN AW-6060, extruded, T6 (T2), inequal</td>
<td></td>
<td>5,18</td>
<td>m</td>
</tr>
<tr>
<td>Glass</td>
<td>Mariani SA</td>
<td>tempered glass with grain size</td>
<td></td>
<td>1,57</td>
<td>m²</td>
</tr>
<tr>
<td>High temperature silicone</td>
<td>Sika SA</td>
<td>SIKA Sikasil-C Transparent</td>
<td></td>
<td>1</td>
<td>tube</td>
</tr>
<tr>
<td>Spray paint</td>
<td>Jumbo supermarket</td>
<td>High temperature black spray</td>
<td></td>
<td>1</td>
<td>tube</td>
</tr>
<tr>
<td>( S_0 )</td>
<td>Temperature sensor</td>
<td>HOVAL</td>
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<td>1</td>
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### PART 2: DISTRIBUTION NETWORK (FROM COLLECTORS TO TECHNICAL ROOM)

<table>
<thead>
<tr>
<th>Type Mark</th>
<th>Description</th>
<th>Manufacturer / Reseller</th>
<th>Model</th>
<th>NB</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN15 Copper pipe</td>
<td>SEBASOL</td>
<td></td>
<td></td>
<td>14,1</td>
<td>m</td>
</tr>
<tr>
<td>Insulation for DN15 copper tube</td>
<td>SEBASOL</td>
<td>HT-Armaflex 15/25, thickness 25 mm</td>
<td></td>
<td>12,1</td>
<td>m</td>
</tr>
<tr>
<td>Insulated flexible connection tube</td>
<td>Armacell</td>
<td>Armaflex-DuoSolar SO-DV-14x20mm/E15m</td>
<td></td>
<td>15</td>
<td>m</td>
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<tr>
<td>( S_{P-1} )</td>
<td>Purge valve</td>
<td>SEBASOL</td>
<td></td>
<td>1</td>
<td>pce</td>
</tr>
<tr>
<td>( S_{P-2} )</td>
<td>Purge valve</td>
<td>SEBASOL</td>
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<td>1</td>
<td>pce</td>
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<td>( S_{P-3} )</td>
<td>Purge valve</td>
<td>SEBASOL</td>
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### PART 3: GLYCOL NETWORK (IN TECHNICAL ROOM)

<table>
<thead>
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<th>Description</th>
<th>Manufacturer / Reseller</th>
<th>Model</th>
<th>NB</th>
<th>Unit</th>
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</thead>
<tbody>
<tr>
<td>CHW-2 Solar armature group with:</td>
<td></td>
<td>HOVAL</td>
<td>SAG20FR</td>
<td>1</td>
<td>pce</td>
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<tr>
<td>- Circulation pump</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 2 ball valves with thermometer (57/58)</td>
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<td></td>
<td></td>
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<tr>
<td>- Biflows preventer</td>
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<tr>
<td>- Adjustable flow rate - Flowflotor</td>
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<tr>
<td>- Permanent purge valve</td>
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<tr>
<td>- Safety valve</td>
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</tr>
<tr>
<td>- Pressure gauge</td>
<td></td>
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</tr>
<tr>
<td>- Flexible connection hose made of stainless steel for the pressure expansion vessel</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>- Roofing and filling unit</td>
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<tr>
<td>- Heat damping half shells</td>
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<tr>
<td>( F_5 )</td>
<td>Solar collector circulation pump</td>
<td>INCLUDED IN CHW-2</td>
<td>SPS T-P 105</td>
<td>1</td>
<td>pce</td>
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<tr>
<td>( TT-1 )</td>
<td>TopTroms I control module</td>
<td>HOVAL</td>
<td>TIE-SOL</td>
<td>1</td>
<td>pce</td>
</tr>
<tr>
<td>( TT-2 )</td>
<td>Extension of TopTroms I control module</td>
<td>HOVAL</td>
<td>TIE-EL UNI</td>
<td>1</td>
<td>pce</td>
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<tr>
<td>( TT-3 )</td>
<td>TopTroms I control module with KNX interface</td>
<td>HOVAL</td>
<td>Module passevite KNX TopTroms I</td>
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<td>pce</td>
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<tr>
<td>( TT-4 )</td>
<td>TopTroms I control module</td>
<td>HOVAL</td>
<td>Module de commande TopTroms I</td>
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<td>pce</td>
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<tr>
<td>( EU-1 ) Expansion vessel</td>
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<td>Fyrosol SA</td>
<td>Expansion vessel FA</td>
<td>1</td>
<td>pce</td>
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<tr>
<td>DN15 Copper pipe</td>
<td>SEBASOL</td>
<td></td>
<td></td>
<td>10</td>
<td>m</td>
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<tr>
<td>Insulation for DN15 copper tube</td>
<td>SEBASOL</td>
<td>HT-Armaflex 15/25, thickness 25 mm</td>
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<td>10</td>
<td>m</td>
</tr>
<tr>
<td>( S_4 )</td>
<td>Temperature sensor</td>
<td>HOVAL</td>
<td>TF/TP/3,5/7, 1m length</td>
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<td>pce</td>
</tr>
<tr>
<td>( S_5 )</td>
<td>Temperature sensor</td>
<td>HOVAL</td>
<td>TF/TP/3,5/7, 1m length</td>
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<td>pce</td>
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</tbody>
</table>
M-601

HVAC RISER DIAGRAM

UNIT: m3/h

NOTES:
- 540 m3/h
- 180 m3/h
- 60 m3/h
- 20 m3/h
- 40 m3/h

SWISS TEAM
ADDRESS:
smart living lab / SLC
Halle bleue, site de BlueFACTORY
Passage du Cardinal 13B
CH-1700 Fribourg

CONTACT:
info@swiss-living-challenge.ch
http://www.swiss-living-challenge.ch

CLIENT:
U.S. DEPARTMENT OF ENERGY
SOLAR DECATHLON 2017
WWW.SOLARDECATHLON.GOV

TEAM NAME: SWISS TEAM
ADDRESS: smart living lab / SLC
Halle bleue, site de BlueFACTORY
Passage du Cardinal 13B
CH-1700 Fribourg

CONTACT: info@swiss-living-challenge.ch
http://www.swiss-living-challenge.ch

CLIENT: U.S. DEPARTMENT OF ENERGY
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N° DATE DESCRIPTION
01 DELIVERABLE 04 2016-11-06
02 DELIVERABLE 06 2017-02-19
03 DELIVERABLE 08 2017-08-10

Plans are drawn with metric system (cm)
**Lighting plan symbols**

- **SOLO SLIM LED SURFACE MOUNTED**
  - Ø 980 mm
- **ZENA LED RECESSED DOWNLIGHT**
  - (GENERAL LIGHTING)
- **ZENA LED RECESSED DOWNLIGHT**
  - (ACCENT LIGHTING)
- **MATRIX LED TRACK SPOTLIGHT**
- **TRAQ LED BATTEN (BREIT)**
  - 1186 mm
- **TRAQ LED BATTEN (BREIT)**
  - 955 mm
- **TRAQ LED BATTEN (RAUMSTRAHLEN)**
  - 1481 mm
- **MINA LED RECESSED DIRECTIONAL SPOTLIGHT**
- **FLOW LED SURFACE MOUNTED**

**One-line diagram symbols**

- **Transformer**
- **Circuit breaker**
- **Battery**
- **Inverter**
- **Circuit breaker with differential protection**
- **Electrical meter**
- **Switch disconnector**
- **Electrical board**
- **Receptacle**
- **Direct connection to the electrical board**
- **Fire detection board**
- **Triple receptacle**
- **Climbing cable**
- **Junction box**
- **Motor**
- **Optimizer**
- **Fire detection sensor**

**Notes**

- Details about the circuit breakers are given in the electrical schedule.
- Details about the light fixtures can be found in the datasheets.
- * refer to plan E-103
TEAM NAME: SWISS TEAM
ADDRESS: smart living lab / SLC Halle bleue, site de blueFACTORY Passage du Cardinal 13B CH-1700 Fribourg
CONTACT: info@swiss-living-challenge.ch http://www.swiss-living-challenge.ch
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N° DATE DESCRIPTION
01 2016-11-06 DRAWN BY:
02 2017-02-21
03 2017-08-10

ELECTRICAL ROOM DETAILS
E-105

ELECTRICAL ROOM DETAILS - plan view
ELECTRICAL ROOM DETAILS - south elevation
ELECTRICAL ROOM DETAILS - east elevation
ELECTRICAL ROOM DETAILS - west elevation

NeighborHub

E-105
GSEducationalVersion
TEAM NAME: SWISS TEAM
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Halle bleue, site de blueFACTORY
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CH-1700 Fribourg
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GROUNDING PLAN
E-405

- PV panels grounding
- ventilation grounding
- plumbing grounding
- other grounding
<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>MANUFACTURER</th>
<th>MODEL</th>
<th>QTY</th>
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<tr>
<td><strong>ELECTRICAL PRODUCTION</strong></td>
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<tr>
<td>Single phase inverter</td>
<td>Solar edge</td>
<td>SE2200H</td>
<td>2</td>
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<tr>
<td>Single phase inverter</td>
<td>Solar edge</td>
<td>SE3500H</td>
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<tr>
<td>Power optimizer</td>
<td>Solar edge</td>
<td>P404-5R M4M RM</td>
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<tr>
<td>Photovoltaic panel</td>
<td>Sunpower</td>
<td>SPR-X21-335-BLK, AR-S1 M3 YUK (335Wp) - Black</td>
<td>29</td>
</tr>
<tr>
<td>Semi-transparent DSC glass module</td>
<td>H glass</td>
<td>W50 red</td>
<td>6</td>
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<td><strong>ELECTRICAL STORAGE</strong></td>
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<tr>
<td>Charger Inverter</td>
<td>Studer Innotec</td>
<td>XTH 8000-48</td>
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<tr>
<td>Central storage, Li-Ion batteries</td>
<td>BMZ</td>
<td>ESS 3.0/7.0</td>
<td>2</td>
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<tr>
<td>Battery for Graetzel independant syst.</td>
<td>Victron Energy</td>
<td>LPR-BMS 12,8/90</td>
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<tr>
<td>Battery backup for fire protection</td>
<td>Ultracell (UK) Ltd.</td>
<td>UL7-12</td>
<td>2</td>
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<td><strong>ELECTRICAL PROTECTION</strong></td>
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<tr>
<td>Main section switch</td>
<td>ABB</td>
<td>Tmax T1D 160A</td>
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<td>Circuit breaker 13A with DDR</td>
<td>ABB</td>
<td>FS451E-C13/0,03</td>
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<tr>
<td>Circuit breaker 16A with DDR</td>
<td>ABB</td>
<td>FS451E-C16/0,03</td>
<td>6</td>
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<tr>
<td>Circuit breaker 16A without DDR</td>
<td>ABB</td>
<td>S451E-C16</td>
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<tr>
<td>Circuit breaker 20A with DDR</td>
<td>ABB</td>
<td>FS451E-C20/0,03</td>
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<tr>
<td>Circuit breaker 40A without DDR</td>
<td>ABB</td>
<td>S451E-C40</td>
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<tr>
<td>Neutral disconnector</td>
<td>ABB</td>
<td>NT45163</td>
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<td>Batteries disconnect switch</td>
<td>ABB</td>
<td>QTOC320US20S</td>
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<tr>
<td>Breaker DC 1*13A</td>
<td>ABB</td>
<td>C13A S452M-UCC13</td>
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<tr>
<td>Breaker DC 1*16A</td>
<td>ABB</td>
<td>C16A S452M-UCC16</td>
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<td>Photovoltaic panel disconnect switch</td>
<td>Eaton</td>
<td>T0-2-8900/11/SBV</td>
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<tr>
<td>Lighting protection for PV panels</td>
<td>Afflury</td>
<td>GAK 111 PG</td>
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<td><strong>ELECTRICAL METERING</strong></td>
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<tr>
<td>Bidirectional electrical meter</td>
<td>ABB</td>
<td>B21 Bronze</td>
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<td>Monodirectional electrical meter</td>
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<td>B21 Steel</td>
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<td>Bidirectional electrical meter 100A</td>
<td>ABB</td>
<td>A42 BRONZE</td>
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<td>Current transformer (100 A ; 5 A)</td>
<td>ABB</td>
<td>CM-CT 100/5</td>
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<tr>
<td><strong>APPLIANCES</strong></td>
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<tr>
<td>Combined Frige and Freezer</td>
<td>Miele</td>
<td>KF 37122 ID</td>
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<tr>
<td>Clothes dryer</td>
<td>V-Zug</td>
<td>Adora TLSQ WP</td>
<td>1</td>
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<tr>
<td>Clothes washer</td>
<td>V-Zug</td>
<td>Adora SLQ WP</td>
<td>1</td>
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<tr>
<td>Dishwasher</td>
<td>V-Zug</td>
<td>Adora SL WP</td>
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<td>Induction cooktop</td>
<td>V-Zug</td>
<td>GK37TIMS</td>
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<tr>
<td>Kitchen exhaust fan</td>
<td>V-Zug</td>
<td>DW E</td>
<td>1</td>
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<tr>
<td>Oven</td>
<td>V-Zug</td>
<td>Comhair SLP</td>
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<td><strong>HOME ENTERTAINMENT</strong></td>
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<td>Beamer Panasonic</td>
<td>Panasonic</td>
<td>PT-AE8000U</td>
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<tr>
<td>Computer</td>
<td>Why !</td>
<td>W25SJEU SSD</td>
<td>1</td>
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<tr>
<td><strong>ELECTRICAL MOBILITY</strong></td>
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<tr>
<td>Car charger</td>
<td>Keba</td>
<td>KeContact K20</td>
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<tr>
<td>Electrical car</td>
<td>Nissan</td>
<td>Nissan LEAF</td>
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</tbody>
</table>

**ADDRESS**: smart living lab / SLC Halle bleue, site de blueFACTORY Passage du Cardinal 13B CH-1700 Fribourg
**CONTACT**: info@swiss-living-challenge.ch http://www.swiss-living-challenge.ch
<table>
<thead>
<tr>
<th>Lighting schedule</th>
<th>Symbol</th>
<th>Description</th>
<th>Wattage</th>
<th>Numbering</th>
<th>References</th>
<th>URL</th>
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<tbody>
<tr>
<td>SOLO SLIM LED SURFACE MOUNTED Ø 980 mm</td>
<td>![Symbol]</td>
<td>100W</td>
<td>2</td>
<td>200W</td>
<td>01 1021.2775 114RAW.9.01</td>
<td><a href="https://reluxnet.relux.com/en/search/luminaires/regent/rgn___solo_slim_led_/US/#">Link</a></td>
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<tr>
<td>SOLO SLIM LED SURFACE MOUNTED Ø 530 mm</td>
<td>![Symbol]</td>
<td>33W</td>
<td>2</td>
<td>66W</td>
<td>02 1021.7126 114W175L2BYC</td>
<td><a href="https://reluxnet.relux.com/en/search/luminaires/regent/rgn___solo_slim_led_/US/#">Link</a></td>
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<tr>
<td>MATRIX LED TRACK SPOTLIGHT</td>
<td>![Symbol]</td>
<td>22W</td>
<td>4</td>
<td>88W</td>
<td>06 1002.9604 56W5F32D8C03</td>
<td><a href="https://reluxnet.relux.com/en/search/luminaires/regent/rgn___matrix_led/US/#">Link</a></td>
</tr>
<tr>
<td>TRAQ LED BATTEN (RAUMSTRAHLEND) 1481 mm</td>
<td>![Symbol]</td>
<td>29W</td>
<td>3</td>
<td>87W</td>
<td>09 1002.6812 456WS5L.2DC</td>
<td><a href="https://reluxnet.relux.com/en/search/luminaires/regent/rgn___traq__raumstrahlend_c7e1/US/#">Link</a></td>
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<tr>
<td>FLOW LED SURFACE MOUNTED</td>
<td>![Symbol]</td>
<td>32W</td>
<td>1</td>
<td>32W</td>
<td>11 1005.8501 84W01L2420DA0</td>
<td><a href="https://reluxnet.relux.com/en/search/luminaires/regent/rgn___flow_led/US/#">Link</a></td>
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<tr>
<td>NORTH FACADE INTEGRATED LUMINAIRE</td>
<td>![Symbol]</td>
<td>12W/m</td>
<td>26m</td>
<td>312W</td>
<td>12</td>
<td><a href="1377W">Subtotal</a></td>
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Subtotal 1377W
TEAM NAME: SWISS TEAM
ADDRESS: smart living lab / SLC
Halle bleue, site de blueFACTORY
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CH-1700 Fribourg
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N° DATE DESCRIPTION
01 DELIVERABLE 062017-02-19
02 DELIVERABLE 082017-08-10

CORE
SKIN

Light gateways
DALI cable
dALI flats cables connection
Cables guide

DALI DISTRIBUTION
T-302
The glycol regulator includes 4 cables for the hot glycol temperature, the cold glycol temperature, the glycol flow, and the command for the glycol flow.

 Consult the codebook to understand the symbols used on this drawing.
<table>
<thead>
<tr>
<th>Description</th>
<th>Manufacturer</th>
<th>Model</th>
<th>#</th>
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<tbody>
<tr>
<td>Push bouton for VELUX and light double</td>
<td>ABB</td>
<td>SIDUS-TS-2-4</td>
<td>5</td>
</tr>
<tr>
<td>Push bouton for VELUX and light quadruple</td>
<td>ABB</td>
<td>SIDUS-TS-4-8</td>
<td>5</td>
</tr>
<tr>
<td>Push bouton for VELUX and light simple</td>
<td>ABB</td>
<td>SIDUS-TS-1-2</td>
<td>9</td>
</tr>
<tr>
<td>Router IP/KNX</td>
<td>ABB</td>
<td>IPR/S 3.1.1</td>
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</tr>
<tr>
<td>Weather station</td>
<td>ABB</td>
<td>WES/A 3.1</td>
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<tr>
<td>Weather station central unit</td>
<td>ABB</td>
<td>WZ/S1.3.1.2</td>
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<tr>
<td>Supply for KNX bus</td>
<td>ABB</td>
<td>SV/S 30.640.5.1</td>
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<td>Gateway DALI/KNX</td>
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<td>DG/S 1.16.1</td>
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<tr>
<td>Gateway ABB/KNX</td>
<td>ABB</td>
<td>ZS/S 1.1</td>
<td>21</td>
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<td>Gateway for Z-wave protocol</td>
<td>Aeotec</td>
<td>Z-stick gen5</td>
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<td>Universal contactor</td>
<td>ABB KNX</td>
<td>US/U4.2</td>
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<td>Multisensor Z-wave</td>
<td>Aeotec</td>
<td>Multisensor ZW100</td>
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<td>Gateway MBUS/KNX</td>
<td>arcus-eds</td>
<td>KNX-GW-MBUS-3K01</td>
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<td>CO2 sensor</td>
<td>SIEGENIA AUBI</td>
<td>SENSOAIR</td>
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<td>Velux motors electrical supply</td>
<td>Focair</td>
<td>WSC 540</td>
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<tr>
<td>Gateway Motor controller/KNX</td>
<td>Focair</td>
<td>WSA 5MC</td>
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<tr>
<td>Motorlink controller</td>
<td>Focair</td>
<td>WSA 5ML</td>
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<td>Gateway HOVAL/KNX</td>
<td>Hoval</td>
<td>Gateway module KNX TopTronic® E</td>
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<tr>
<td>Display for user interface</td>
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<td>Gateway module Hoval TopTronic® E</td>
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<td>Gateway Mitsubishi/KNX</td>
<td>IntesisBox</td>
<td>ME-AC-KNX-1-V2</td>
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<td>Wifi access point</td>
<td>Netgar</td>
<td>FVS318N</td>
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<td>Mini computer for control system</td>
<td>Raspberry</td>
<td>Raspberry Pi 3 model B/1200MHz/ARM Cort</td>
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<td>Private computer for communication</td>
<td>WHY</td>
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<td>Mobile wifi access point</td>
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<td>LTE CPE B315</td>
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<td>Switch</td>
<td>Netgar</td>
<td>GSS116E</td>
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<td>Router/firewall</td>
<td>Dell</td>
<td>01-scc-0217 Dell sonicwall soho</td>
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<td>Display for user interface</td>
<td>Studer-innotec</td>
<td>RCC-02</td>
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<td>Gateway CAN BUS</td>
<td>Studer-innotec</td>
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<td>Gateway RS232 IP</td>
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<td>Zenhnder</td>
<td>TS 201 a</td>
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<td>CO2 sensor</td>
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</table>
TEAM NAME: SWISS TEAM
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ASSEMBLY METHODOLOGY

A-304
TEAM NAME: SWISS TEAM
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WATER TRUCK AND FILL LOCATION
O-311

Water truck and fill location

Plans are drawn with metric system (cm)
TEAM NAME: SWISS TEAM
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N° DATE DESCRIPTION DRAWN BY: scale:

STANDING AREAS

A1 STANDING AREAS

Solar Decathlon Site

Standing Road

Address for drivers
17452 E 61st Ave.
Denver, CO 80249

Standing Area

Address for drivers
18057 E 64th Ave,
Denver, CO 80249

64st Ave

Supplemental standing area
Entrance from 64st and Tower Road
Address for drivers
18057 E 64th Ave,
Denver, CO 80249

Do NOT enter or block access to this road as it serves a sewer pumping station.

Lighted Intersection

Do NOT enter or block access to this road as it is still used and occupied by farmers.

Supplemental standing area
Entrance from 64st and Tower Road
Address for drivers
18057 E 64th Ave,
Denver, CO 80249

NeighborHub

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STANDING AREAS

O-401