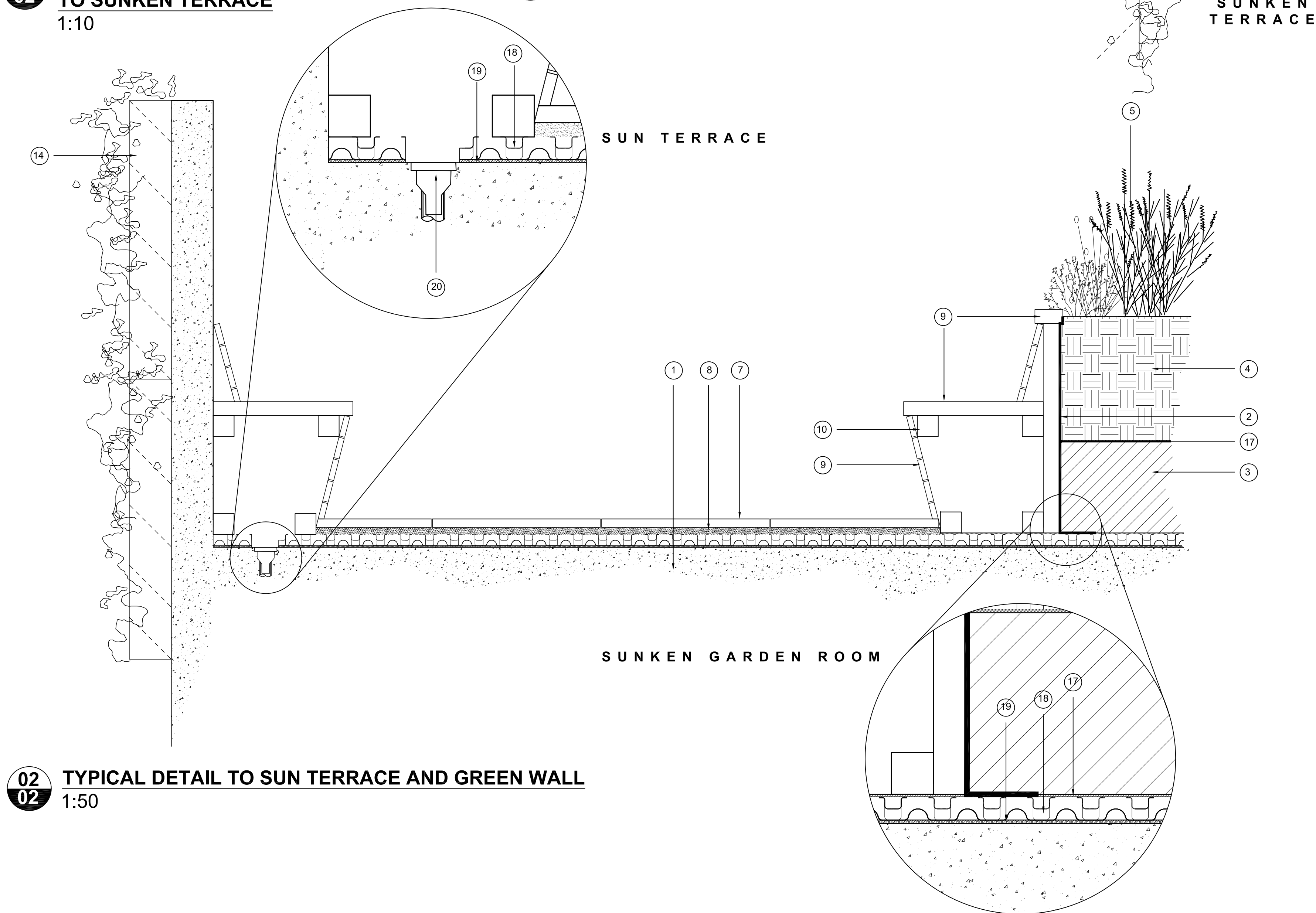


**01**  
**02** TYPICAL DETAIL TO STEPS LEADING TO SUNKEN TERRACE  
1:10

**03**  
**02** TYPICAL DETAIL TO LAWN AND BALUSTRADE EDGE  
1:10



**02**  
**02** TYPICAL DETAIL TO SUN TERRACE AND GREEN WALL  
1:50

- KEY**
- GARDEN ROOM STRUCTURE  
Sub-structure, insulation and waterproofing to Architects details
  - ROOT-RESISTANT WATERPROOFING
  - LIGHTWEIGHT FILL MATERIAL  
Lightweight fill mater to reduce loadings and provide
  - GROWING MEDIUM - INTENSIVE  
Lightweight green roof growing medium
  - PLANTING  
Refer to TLA planting plans
  - BALUSTRADE  
To Architects details
  - PAVING  
Marble Lazaro paving as supplied by Marshalls
  - BEDDING/ ADHESIVE LAYER
  - INBUILT SEATING/ TIMBER CLADDING  
Bespoke inbuilt hardwood seating and cladding to raised bed
  - FRAMEWORK TO TIMBER SEATING/ CLADDING
  - LAWN  
High quality lawn
  - RETAINING WALL  
To Architect/ Engineers details
  - CONCRETE SUB- STRUCTURE  
To proposed steps
  - GREEN WALL  
Easiwall pro green wall system or similar approved
  - TOPSOIL  
To lawn and ground level planting
  - SUB SOIL/ ENGINEERED FILL  
Subsoil or fill material to Engineers details
  - GEOTEXTILE  
Filter sheet
  - DRAINAGE BOARD  
FD-40 as supplied by Zinco or similar approved
  - PROTECTION MAT  
ISM50 as supplied by Zinco or similar approved
  - DRAINAGE OUTLET  
To Architects details

**GROWING MEDIUM STATEMENT - USE OF INTENSIVE GREEN ROOF SUBSTRATE**  
We would propose System Substrate "Roof Garden" supplied by Zinco or similar is used for the growing medium to the roof terrace (refer to spec sheet below):

- We are creating a green roof scenario whereby planting is required on top of a built structure.
- The green roof substrate is good at providing optimal stability and reduces leaching of organic matter, thus retains a higher level of organic matter.
- A specialist lightweight material is beneficial to help reduce unnecessary stress loading.
- This type of substrate has a far greater level of porosity due to air pockets to provide good drainage but does retain moisture to aid root development and thus health plant establishment.
- Replicates traditional landscape growing conditions without creating anaerobic soil conditions due to saturation levels and lack of access to free draining subsoil.
- Works well as a complete green roof system i.e. the lightweight fill material beneath with filter sheet and drainage board proposed across the terrace.

## Product Data Sheet System Substrate "Roof Garden"

Order No. 616101 / 616201



System Substrate for intensive landscapes on roofs or on underground car parks.



### Technical Data

#### System Substrate "Roof Garden"

Substrate consisting of Zincolit (high-quality crushed bricks) and other selected mineral aggregates, enriched with Zincum (substrate compact enriched with fibre and clay materials). Particularly suitable for intensive green roofs with demanding perennials. Deeper thicknesses\* can support shrubs, bushes and trees. The vegetation can be established by planting plug plants.

Intensive roof gardens require irrigation during dry periods. For optimal plant development the use of an appropriate slow release fertilizer (e.g. ZinCo Plantlife 4 M) is recommended (as shown in a special data sheet).

Available in Big Bags and as loose material in lorries.

Please calculate with a compaction factor of 1.3. That means for every square metre and 10 mm of substrate you order 13 l.

**Delivery options**  
in Big Bags  
loose on lorry

**Order No.**  
616101  
616201

### Features

- high-quality recycled product
- excellent water retention
- high air content - even at max. water capacity
- frost resistant and stable in structure
- basic component Zincolit is under constant quality control by the University of Hohenheim



### Chemical and Physical Properties

Parameter	Reference Value
Volume weight - dry - at max. water capacity	1000 g/l (+/- 100 g/l) 1500 g/l (+/- 100 g/l)
Maximum water capacity	ca. 50 Vol. %
Water permeability mod. K <sub>i</sub>	0.3-30 mm/min
pH value (in CaCl <sub>2</sub> )	6.0-7.5
Salt content (gypsum extract)	< 1.5 g/l
Organic content	< 90 g/l
Compaction factor	ca. 1.3

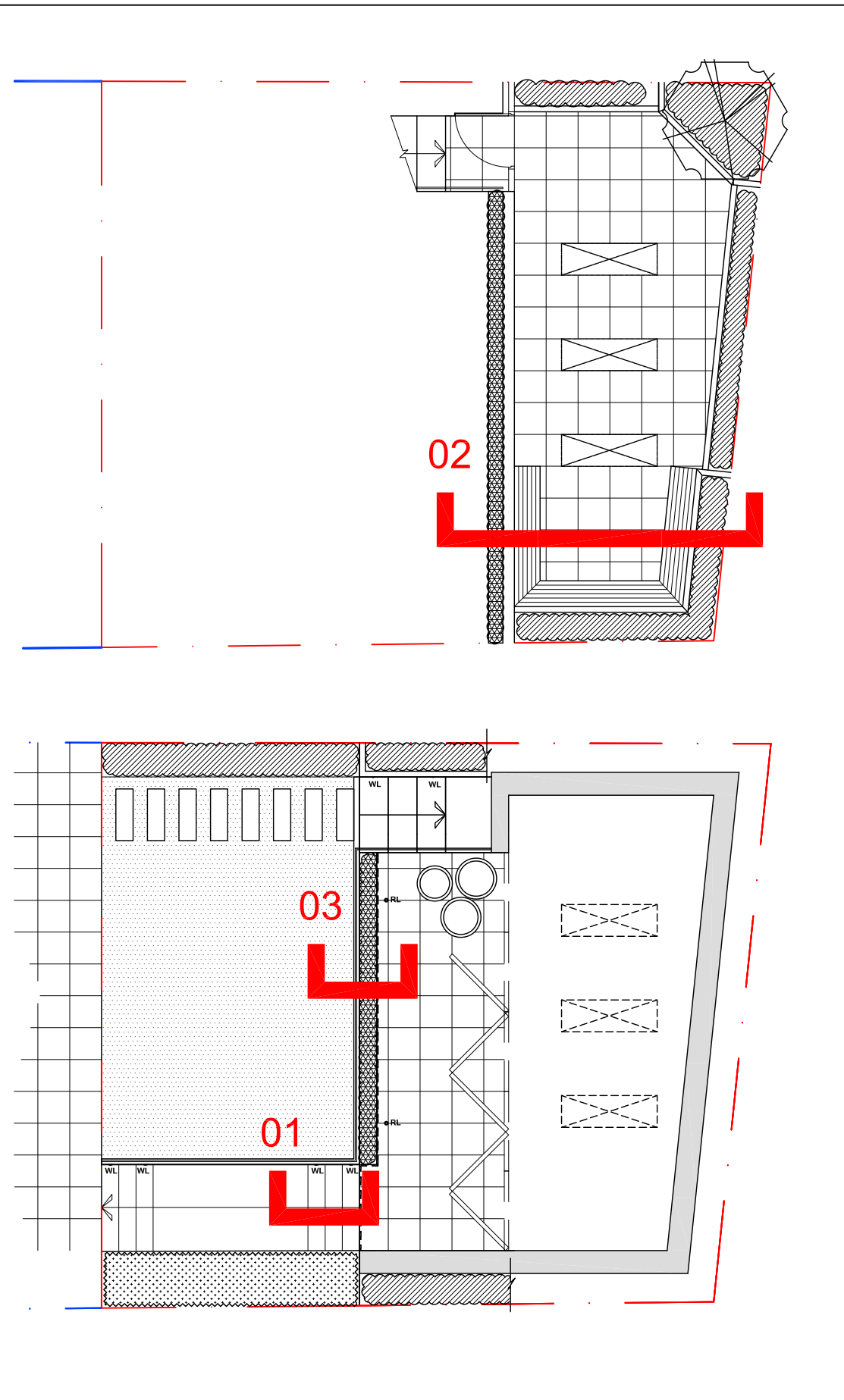
\* At thickness of more than 350 mm please install additional the mineral sub substrate Zincolit Plus.

ZinCo Green Roof Systems Ltd.  
St. John's Innovation Centre - Cowley Road - Cambridge CB4 0WS - Great Britain  
Phone: +44 (0)1223 853843 - Fax: +44 (0)2031 631915  
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Life on Roofs



### NOTES



**KEY PLAN**  
1:100

B 16.09.2016 EP EP  
DWG UPDATED WITH COMMENTS FROM CLIENT

A 10.05.16 LL MJ  
DWG UPDATED WITH COMMENTS FROM CLIENT

### FOR PLANNING



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client  
MR O'BRIEN

project  
38 REGENTS PARK ROAD

title  
TYPICAL DETAILS

scale  
1:10@A1

date  
11.04.2016

drawn  
EP

checked  
MJ

drawing number  
1049-02

revision  
B

DO NOT SCALE FROM THIS DRAWING  
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