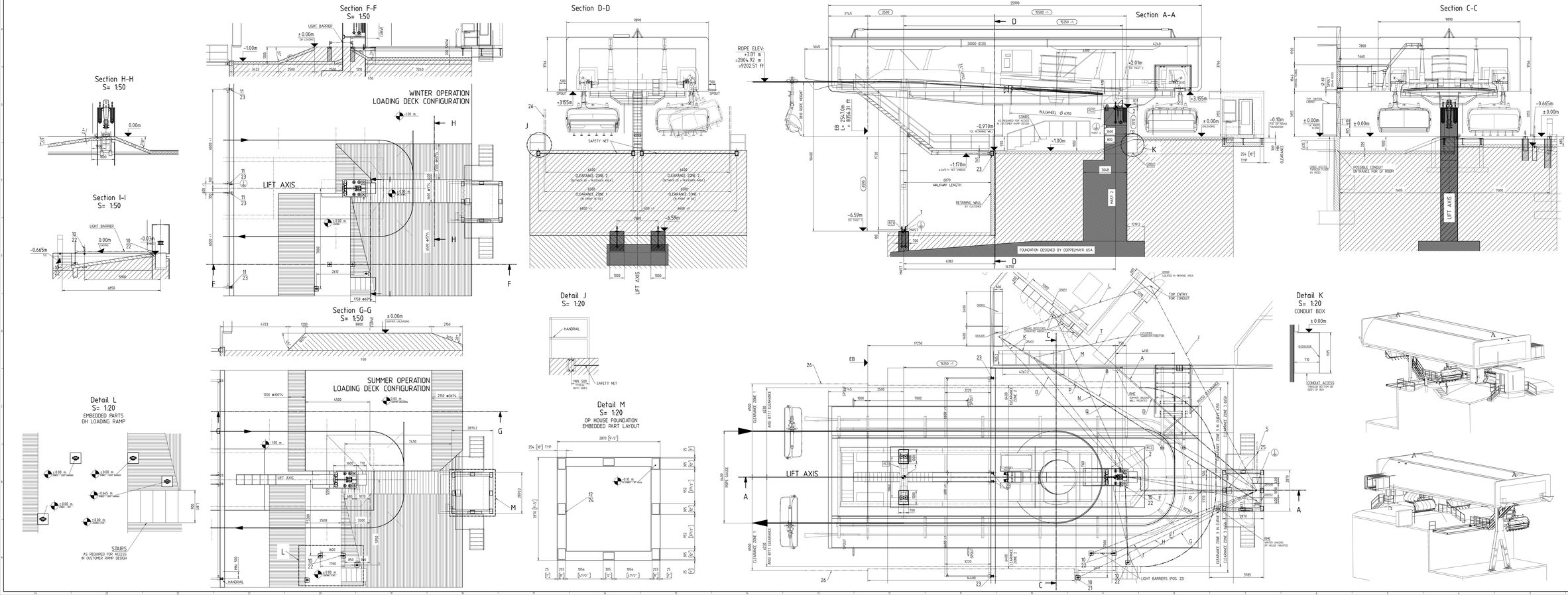
Section F-F
S= 1:50
LIGHT BARRIER
WINTER OPERATION
LOADING DECK CONFIGURATION
LIFT AXIS
Section H-H
S= 1:50
Section I-I
S= 1:50
Section D-D
ROPE ELEV:
=3.81 m
=2804.92 m
=9202.51 ft
SAFETY NET
Section A-A
RULLWHEEL Ø 6350
STAIRS
AS REQUIRED FOR ACCESS
IN CUSTOMER RAMP DESIGN
WALKWAY LENGTH
RETAINING WALL
BY CUSTOMER
FOUNDATION DESIGNED BY DOPPELMAYR USA
Section C-C
POSSIBLE CONDUIT
ENTRANCE FOR GV ROOM
LIFT AXIS
Procedure
Position the template on the forework and fasten it.
Insert the anchors and embedded parts as shown.
Cover projecting threads to prevent casting.
Fill in the concrete.
Once the concrete has tightly hardened, the washer then 21 for each anchor
and the nut then 22 are fitted.
Make sure that the washers are set even and well in the concrete and at right angles
to the anchors.
Conduit and control cabinets for ropeway equipment
Supplied by customer: Empty tubes for customer offer included in scope of delivery of Doppelmayr.
In the event that empty tubes are replaced with cable trays, these are also not included in the scope
of delivery of Doppelmayr.
Cross-section specifications refer to the inner diameter.
Electric and hydraulic lines are not separately
Pipes for the cable tray must be provided with a thief water accumulation in the holes is prevented.
The ends of the empty tubes must be sealed to prevent water penetration during the construction phase.
The empty tubes must be waterproof.
Pipes for the cable tray must be with a permeable duct is required.
Mount as straight as possible. No 180° bends.
Min. bending radius: 10x diameter of empty tube.
Min. projecting length of empty tubes: 1000 mm.
In open cable installation areas (e.g. false floor, shed base structures) empty tubes must not
be installed.
Instead of empty tubes, wall openings with the same diameter as specified for the empty tubes
are possible.
Installation empty tubes (e.g. building services) must be installed according to the
specifications of the companies carrying out the works.
Required fire protection bulkheads (e.g. for wall or ceiling openings) must be delivered and installed by the
customer.
The following minimum dimensions (depth, etc) must be observed for the delivery and transport
of the control cabinets:
Control cabinet with operating panel: depth: 300 mm, width: 800 mm
Control cabinet without operating panel: depth: 300 mm, width: 800 mm
Base for control cabinets, supply by customer.
Conduit cross-sections (inner diameter)
A: 1x ø: 2" DPMAN to DOOR1
B: 1x ø: 2" DPMAN to AUX9
C: 1x ø: 2" DPMAN to DOOR2
D: 1x ø: 2" DPMAN to RPC MOVING SLIPPER
E: 1x ø: 2" DPMAN to RPC SUTURING
F: 1x ø: 2" DPMAN to LIGHT BARRIER - UNLOADING (ELLIPH SIDE)
G: 1x ø: 2" DPMAN to LIGHT BARRIER - UNLOADING (PRESETTING SIDE)
H: 1x ø: 2" DPMAN to LIGHT BARRIER - LOADING (ELLIPH SIDE)
I: 1x ø: 2" DPMAN to LIGHT BARRIER - LOADING (PRESETTING SIDE)
J: 1x ø: 2" DPMAN to DPMAN
K: 1x ø: 2" DPMAN to DPMAN
L: 1x ø: 2" DPMAN to DPMAN
M: 1x ø: 2" DPMAN to DPMAN
N: 1x ø: 2" DPERD to MAST 2
O: 1x ø: 2" DPERD to MAST 2
P: 1x ø: 2" DPERD to MAST 2
Q: 1x ø: 2" DPERD to SPRINKLER ROOM VALVE (DEDICATED)
R: 1x ø: 2" DPERD to DPMAN
S: 1x ø: 2" DPERD to MAST 2
T: 1x ø: 2" DPERD to MAST 2
1 COPPER CABLE to SPRINKLER ROOM VALVE
1 POWER SUPPLY from CUSTOMER CHAMBER
Grounding
Supply and installation by customer. Not included in scope of delivery of Doppelmayr.
Ropeway equipment must be grounded according to DIN EN 50081-1.
Min. projecting length of round grounding rods and grounding straps: 1 m
All metallic parts (sockets, railings, kitchen supports, control cabinets,
rope guide rolls, lifting platforms, safety net supports, etc) must be grounded.
The round grounding rods and grounding straps must be connected with the building and low grounding
system (customer).
Metallic components that do not form part of Doppelmayr's scope of delivery must also be connected
with the equipotential bonding in accordance with local regulations and in consultation with
the electrical planner in charge.
Vibrations
Vibrations originating from the ropeway equipment may be transmitted to other parts of the buildings.
This must be taken into account in the structural design of the foundations and interfaces of buildings.
Anchors
Welding or tacking is not permitted on the anchor bolts. Risk of fracture!
Applicable Documents
POS. 21 (RPE) 114.2020
POS. 22 LIGHT BARRIERS 114.2022
POS. 23 SAFETY NETS 107.4.2.01
POS. 25 CUTTING TEMPLATE FOR DESKTOP CONTROL 114.1.14.02
POS. 26 CLEARANCE SPECIFICATION 107.1.4.01
Type reinforcement mesh Z-174.65 - roof shape R1
connection forces flap shown Geo. No. 0220.0140
cabinet arrangement Geo. No. 3991.5.4
x positive x-axis
axis of the line than mast 2 to mast 1
y positive y-axis
across the axis of the line
z positive z-axis
vertically downwards
force application point
tolerances pursuant to DIN 18202 - dimensions in mm
for civil works see building construction drawings
bodengleichheit level: ± 00.00 = 2861.15 m
= 9198.00 ft
B 01.07.2021 Anchor bolts and cable tray added Nr. Date Changes
Doppelmayr CTI Ges. m.b.H. Schwarzenbergplatz 16 A-6850 Dornbirn
Customer: BMC SOFT - CABLE CARRIER - B-CLASS
Site: SAARBRUECKEN
LAYOUT W. CONECT. FORCES
TOP STATION
FIXED - DRIVE
Scale 1:50
Date 01.07.2021
Drawn by: Checked by: Approved by:
Doppelmayr CTI Ges. m.b.H. Schwarzenbergplatz 16 A-6850 Dornbirn
Tel Line Ch. 05 57 406-0
Customer No.
Order No. 20228652E301001
Drawing No. 1188114.11
Sheet 34
Sheet size A3
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