



View of completed model



Subaru Telescope scale: 1/300

Editor: NAOJ

Japan's optical telescope discovers the farthest galaxy yet known, 12.8 billions of light years distant. Located on the summit of Mauna Kea in Hawaii, the National Astronomical Observatory of Japan began astronomical observations in 1999. An altitude of 4,200 m, a dry atmosphere, and low atmospheric pressure make the summit of Mauna Kea one of the world's best places for astronomical observations. Based on the results of water flow tests, the Subaru Telescope was designed to allow efficient discharge of internal heat without taking in the outside air. It features a dome with a distinctive cylindrical shape.

*This model was designed for Papercraft and may differ from the original in some respects.

■ Parts list(pattern):Eleven A4 sheets(No.1 to No.11)

■ No. of Parts:60

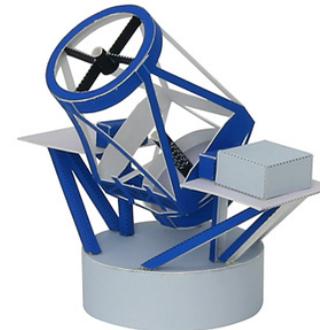
* Build the model by carefully reading the Assembly Instructions, in the parts sheet page order.



Front



Side

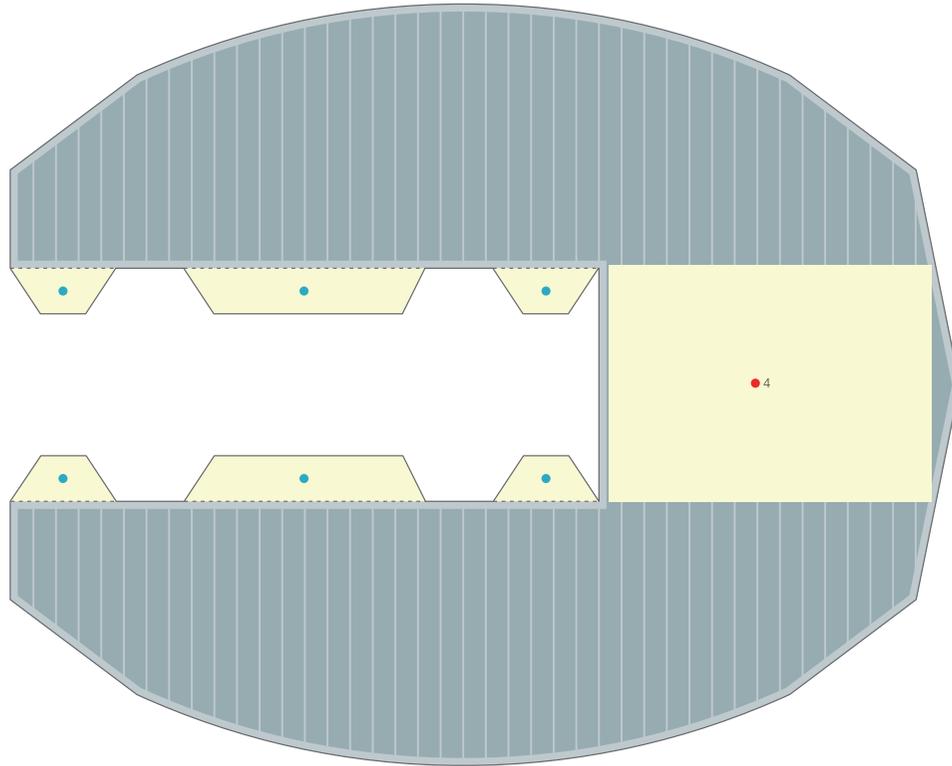


Photograph of the completed telescope



Front view of the telescope

1 Ceiling of elliptical cylinder dome



2

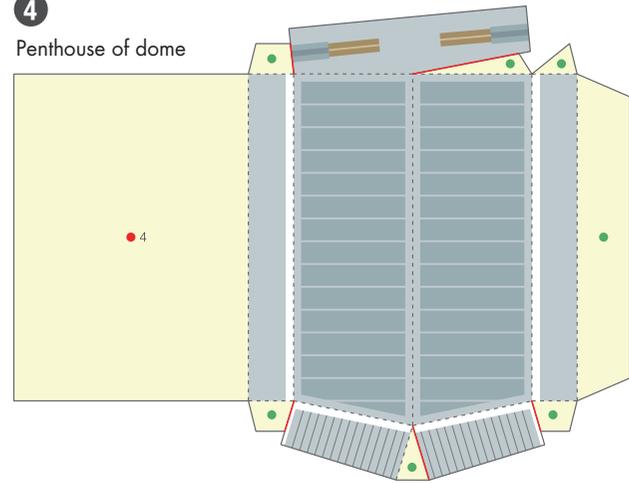


3



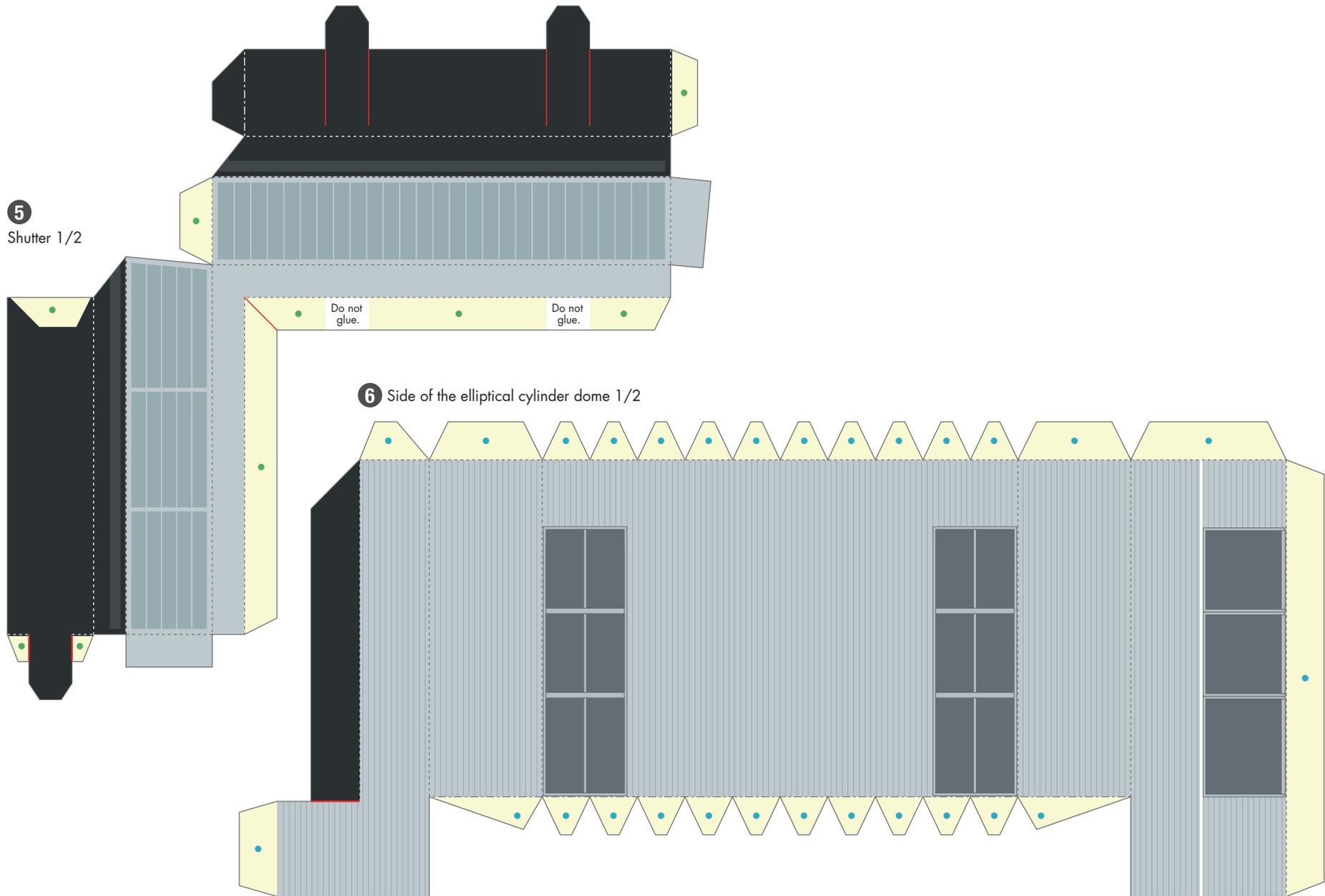
4

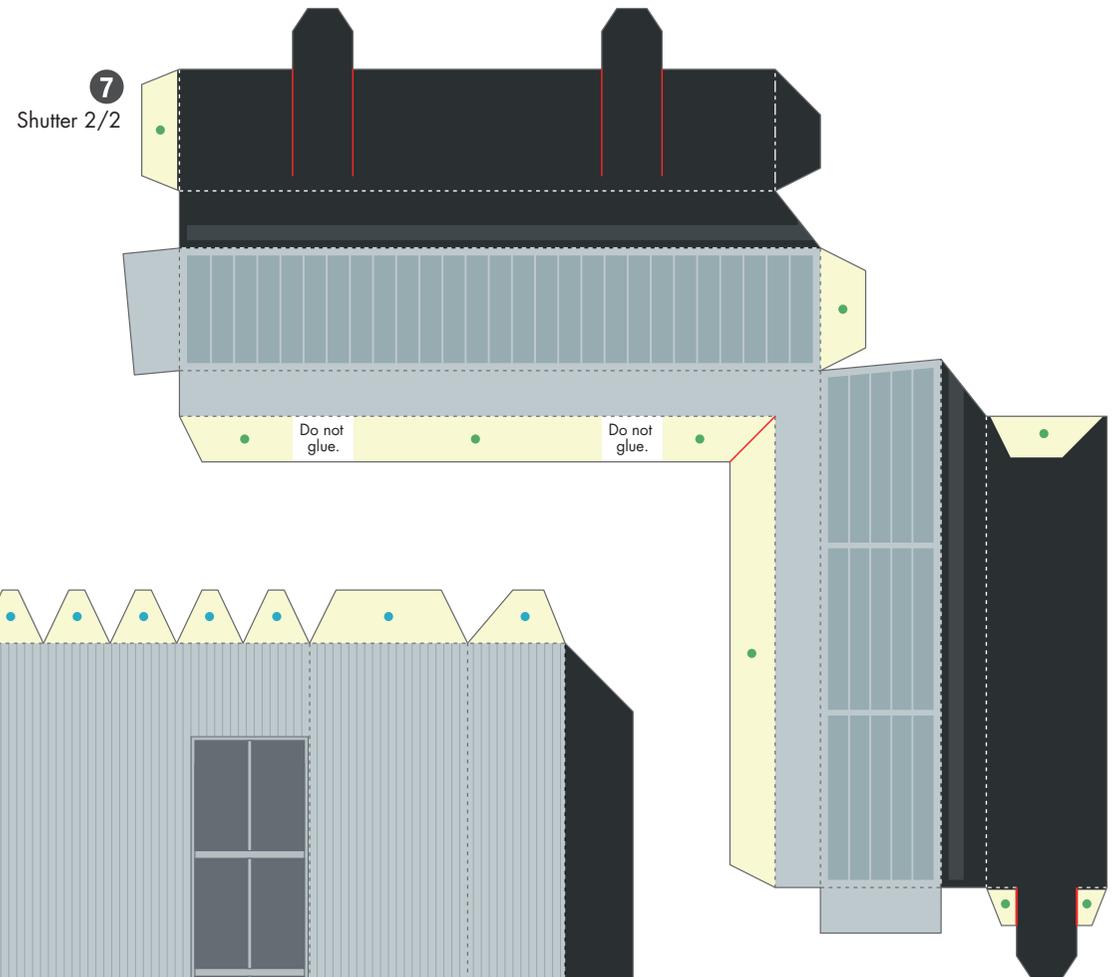
Penthouse of dome



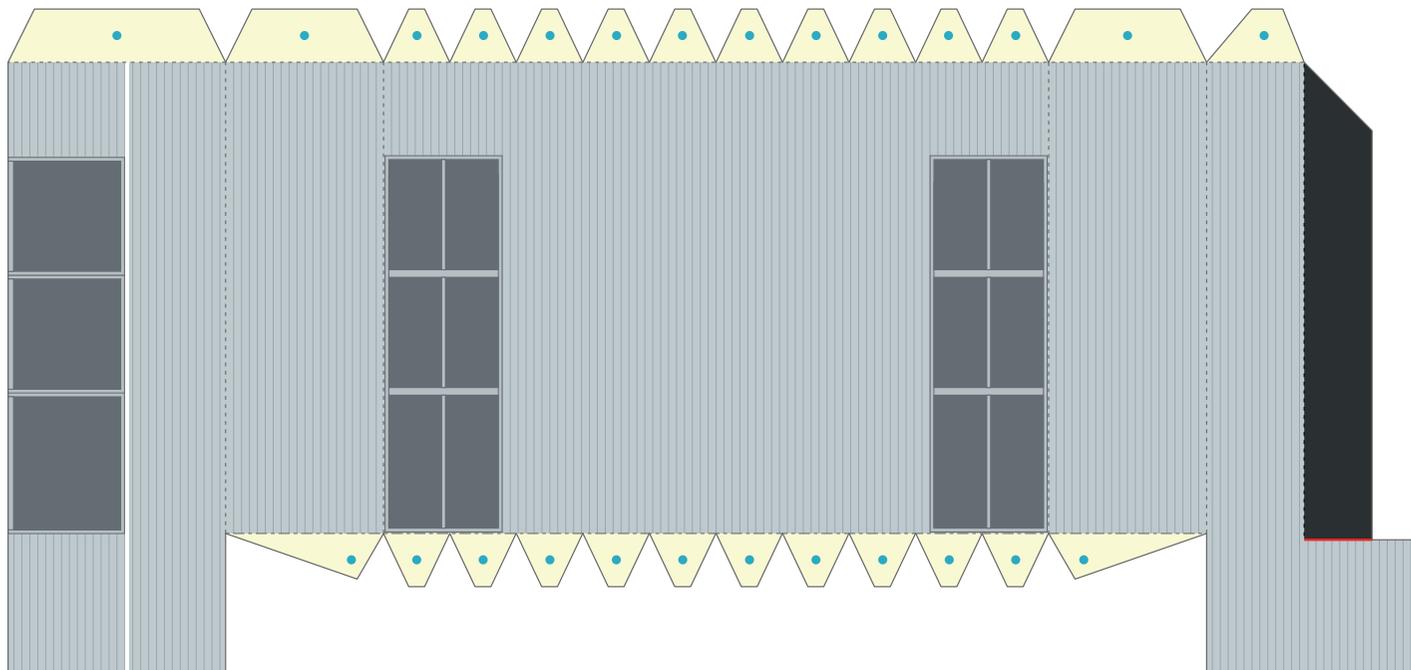
60

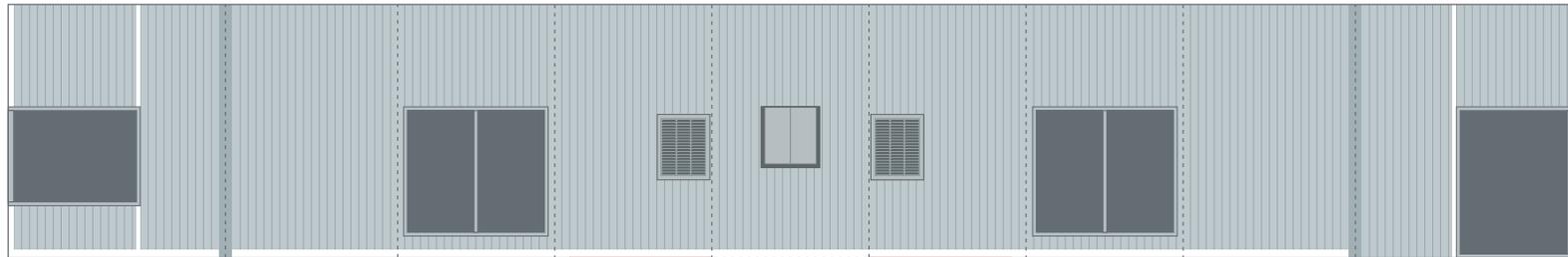






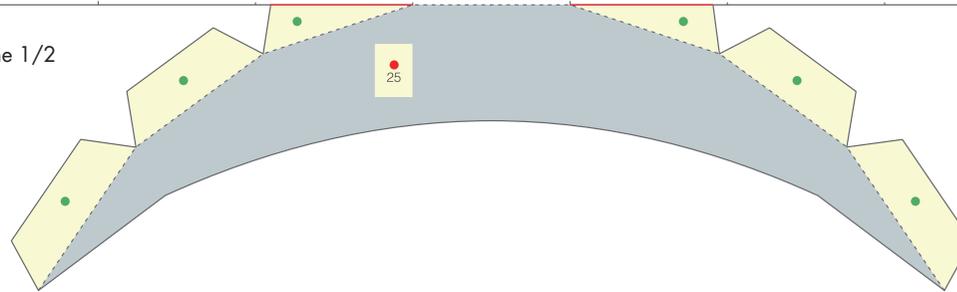
8 Side of the elliptical cylinder dome 2/2





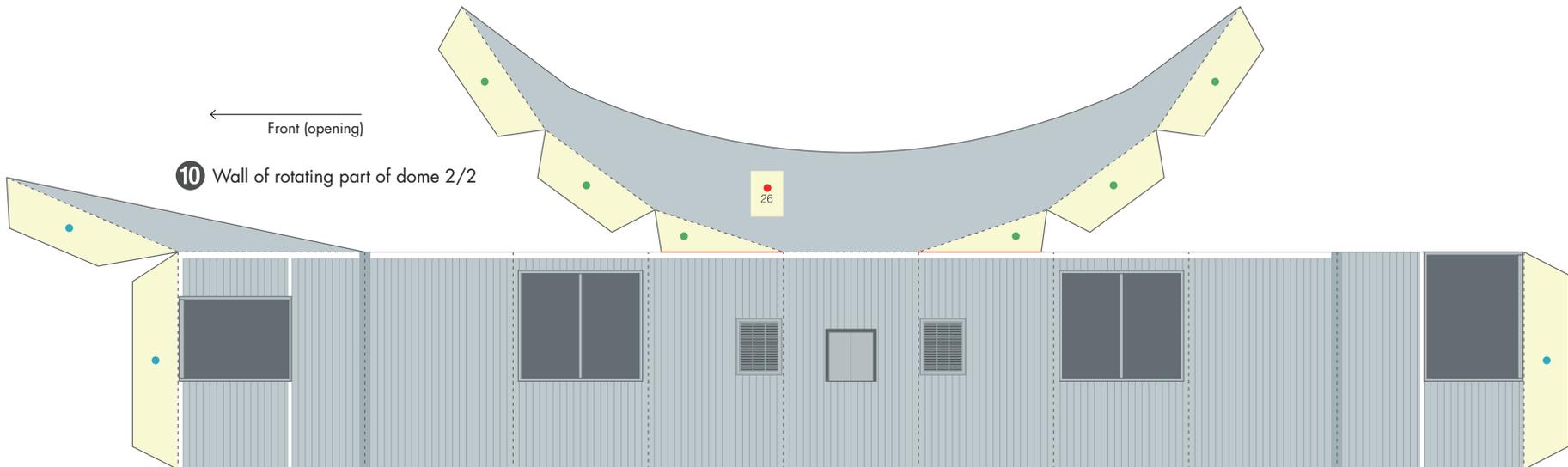
9 Wall of rotating part of dome 1/2

← Front (opening)



← Front (opening)

10 Wall of rotating part of dome 2/2



Subaru Telescope: Pattern

11 Wall of ventilation floor of the dome 1/2



12 Wall of ventilation floor of the dome 2/2



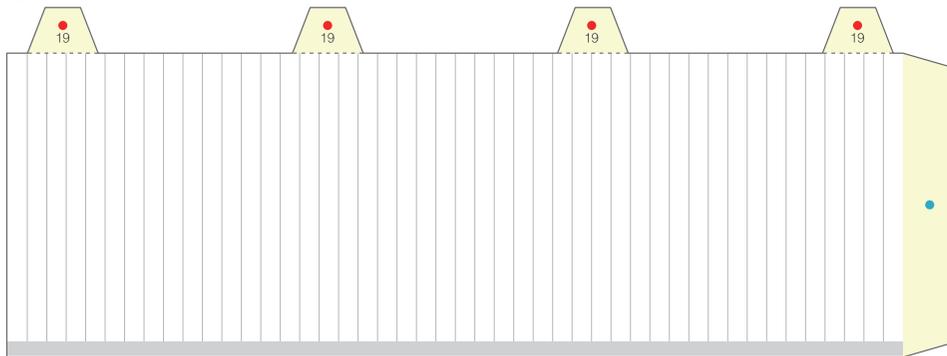
13 Catwalk fence 1/2



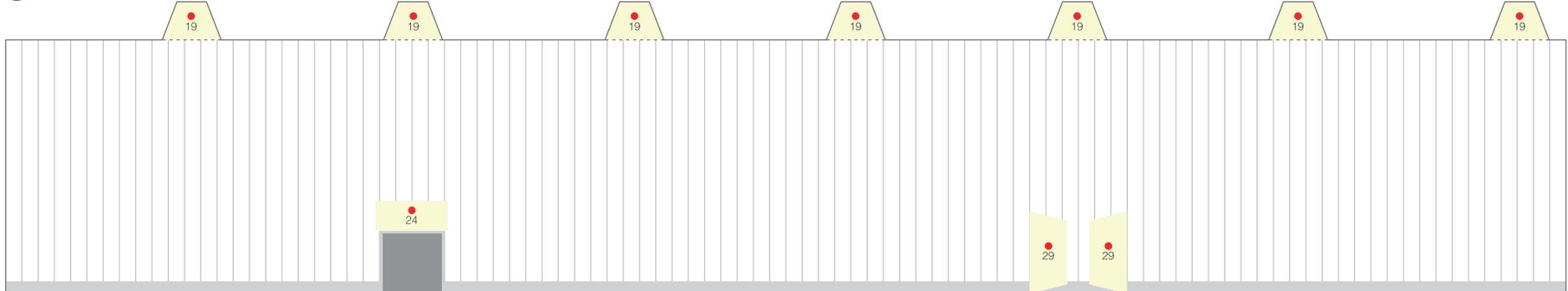
14 Catwalk fence 2/2



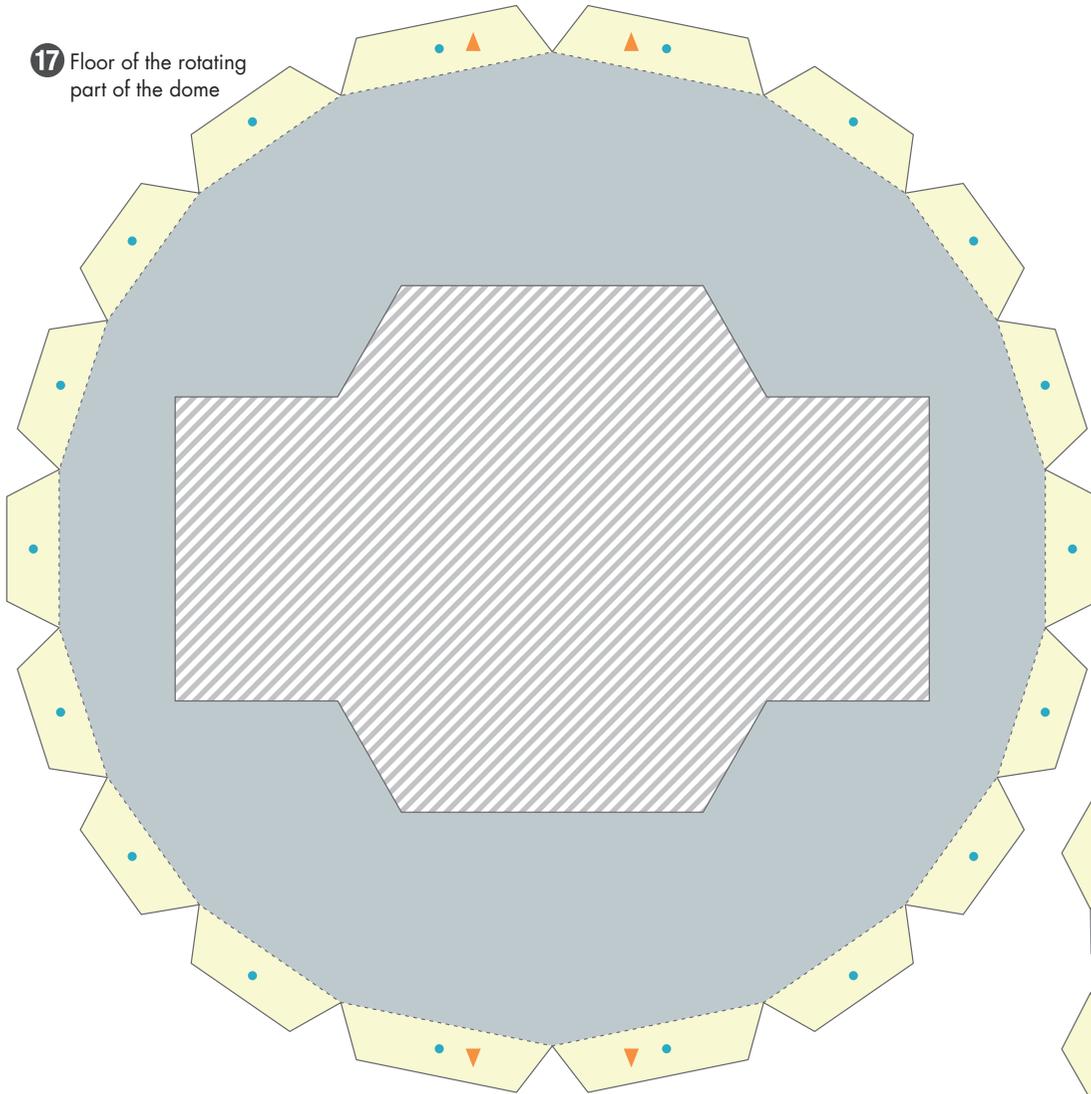
15 Wall of the lower part of the dome 1/2



16 Wall of the lower part of the dome 2/2



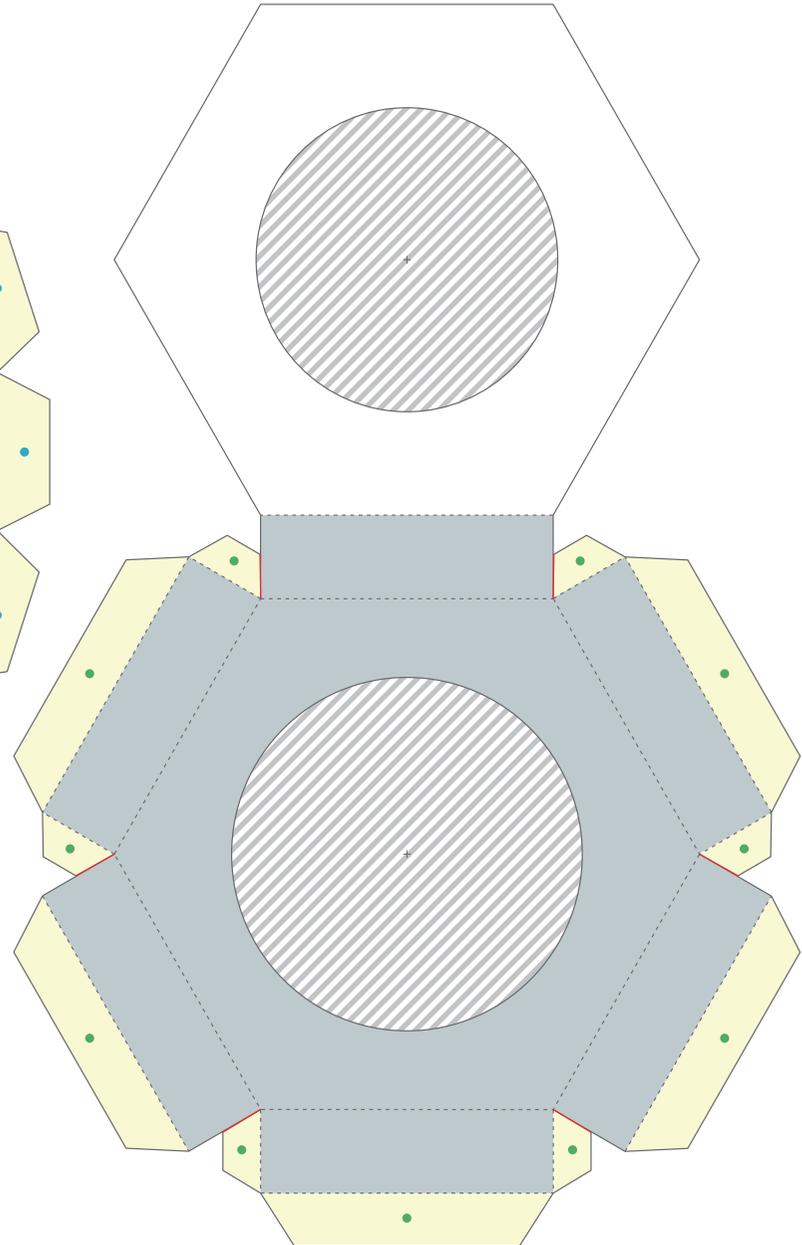
17 Floor of the rotating part of the dome



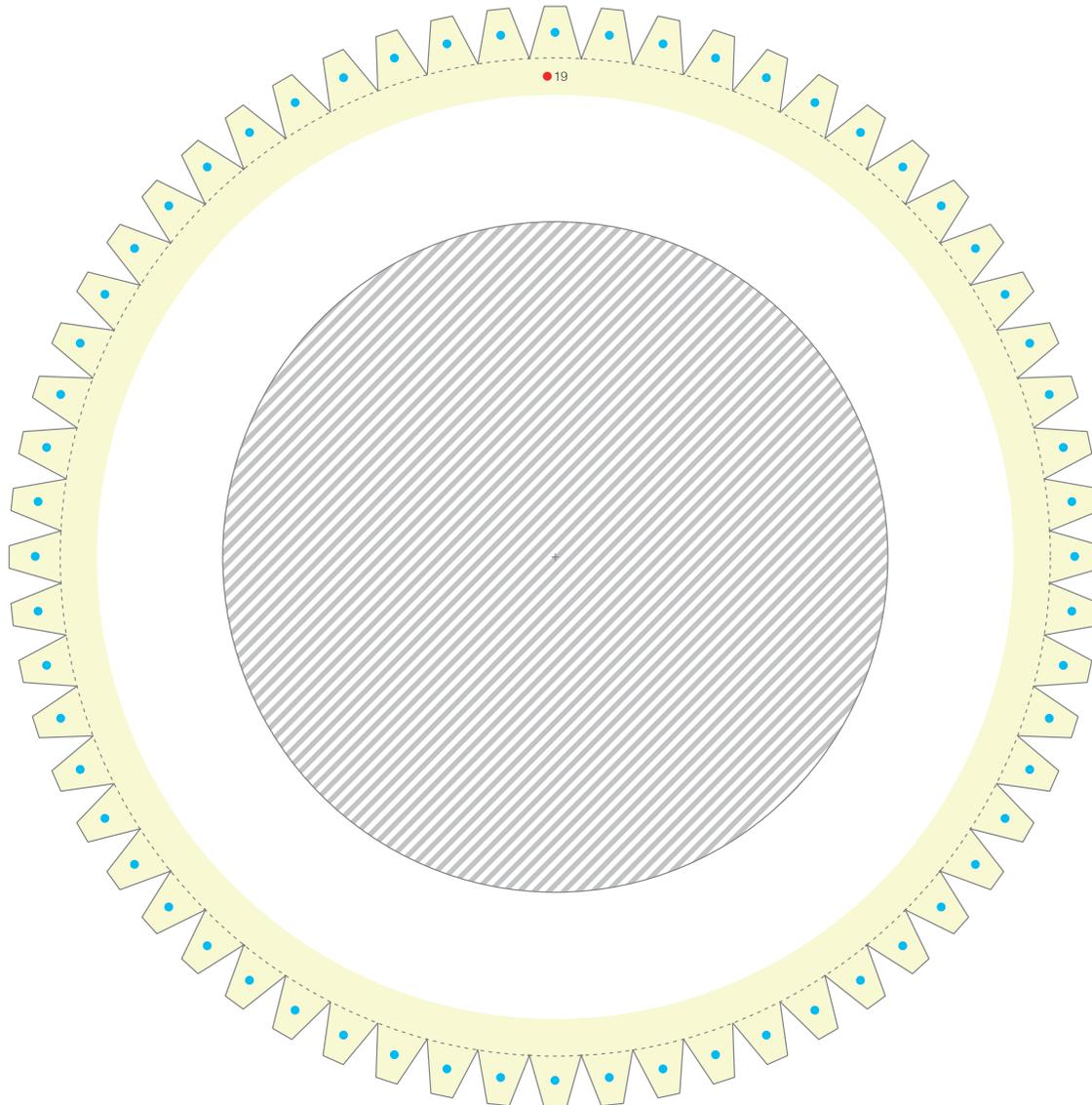
Flaps to which glue is to be applied marked with ▼ & ▼ face the front side and backside.



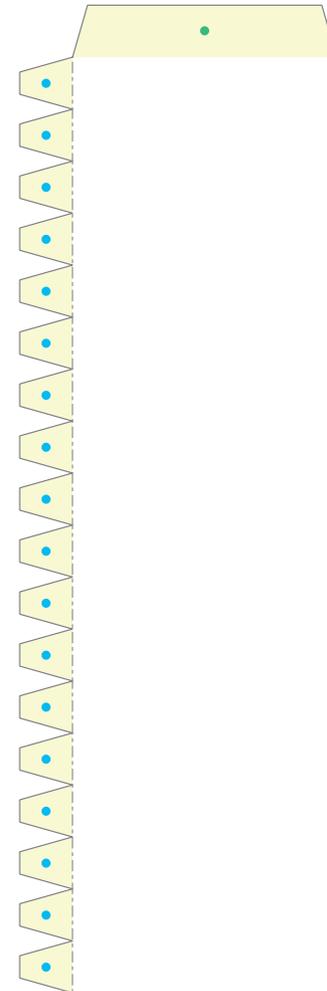
18 Setting part for the telescope (Not part of the actual Subaru)



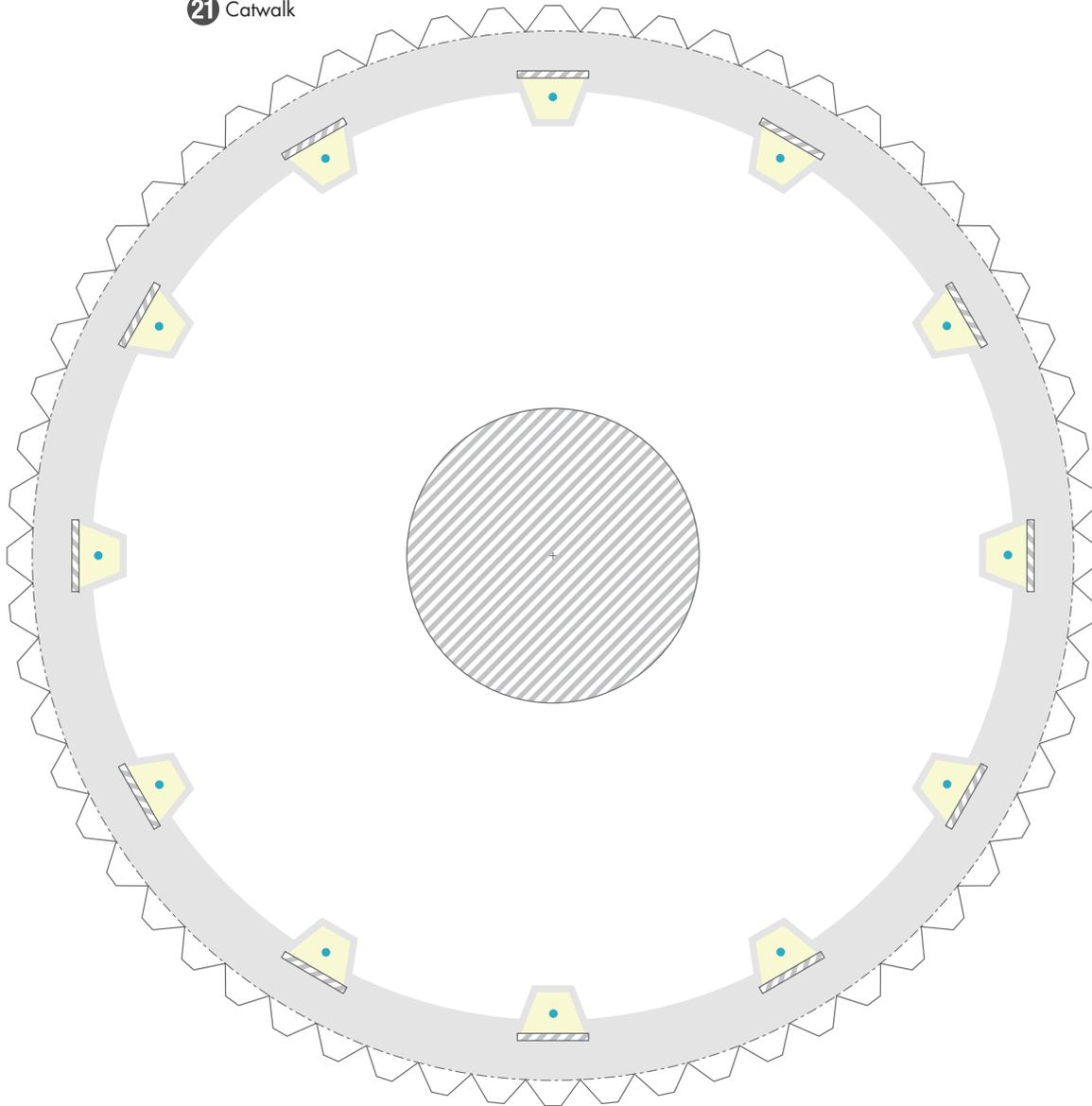
19 Floor of the ventilation floor of the dome



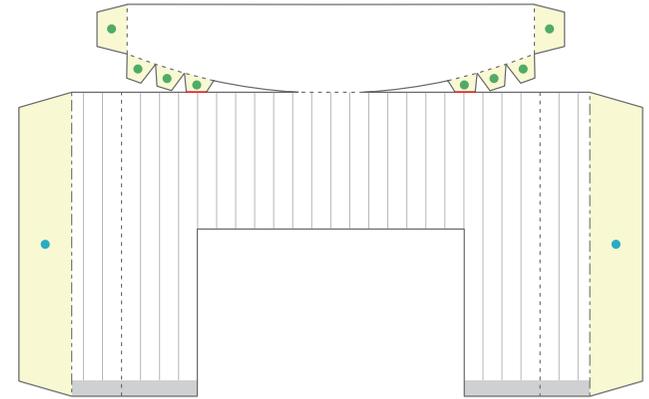
20 Setting part for the telescope
(Not part of the actual Subaru)



21 Catwalk



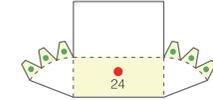
22 Large carry-in entrance



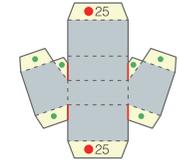
23 Shutter for large carry-in entrance



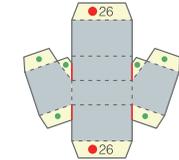
24 Roof for small carry-in entrance



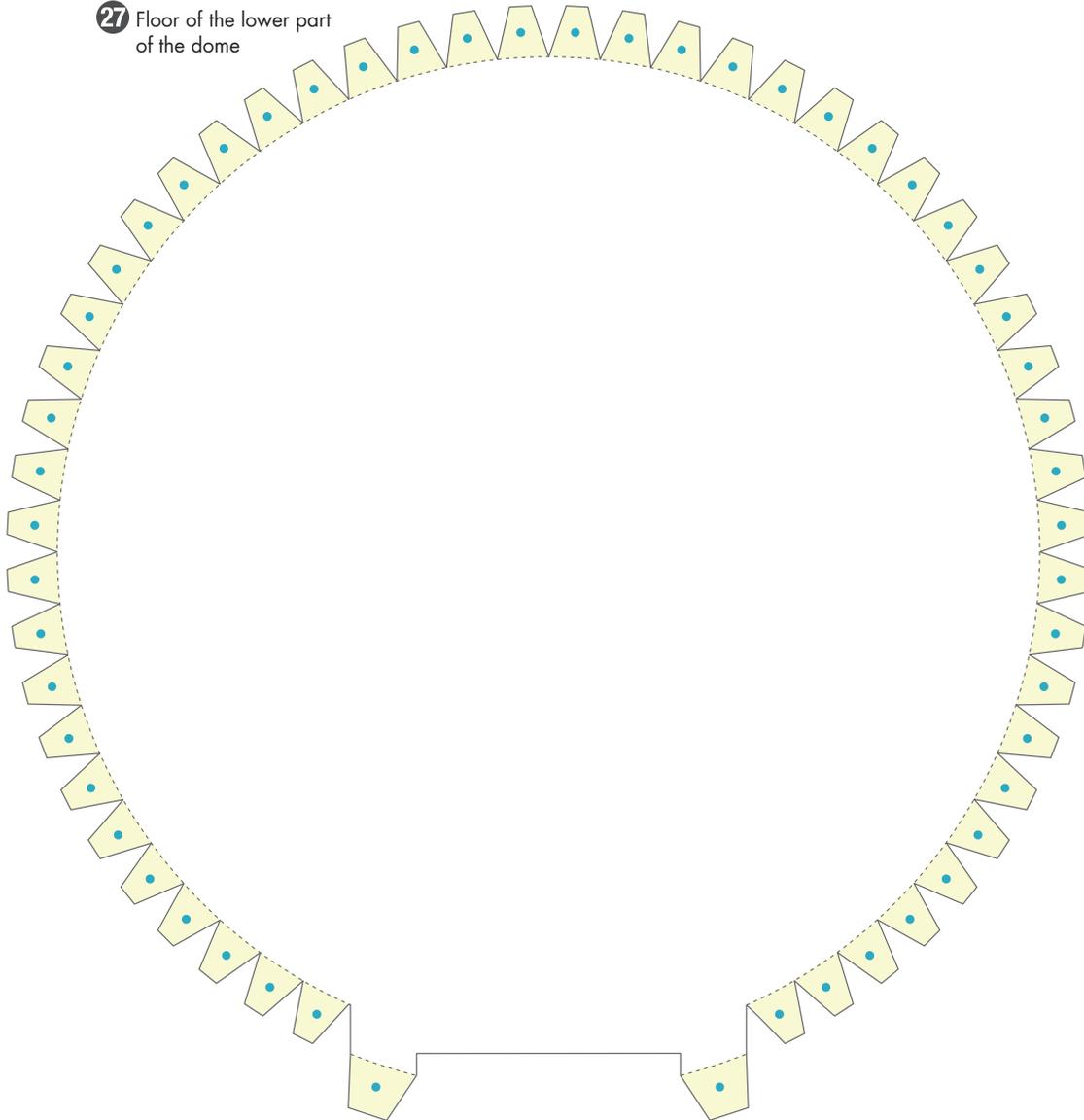
25 Hatch for shoulder of dome



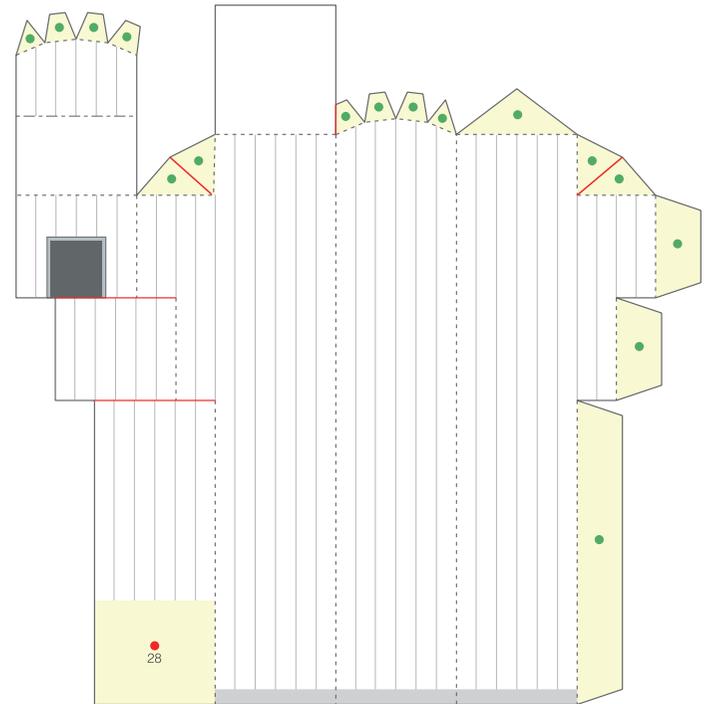
26 Hatch for shoulder of dome



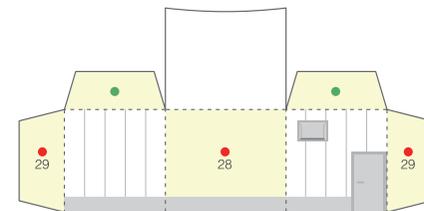
27 Floor of the lower part of the dome



28 External elevator tower



29 First-level entrance for the elevator tower



Subaru Telescope: Pattern

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30 Top ring 1/2

31 Top ring 2/2

32 Secondary mirror 1/2

33 Secondary mirror 2/2

34 Tube top spider

35 Tube top spider

36 Truss and center sections

37

38

39

40

41

42

43

44

45

46

Trusses for Nasmyth (**39** - **46**)

47 Primary mirror cell 1/2

48 Primary mirror cell 2/2

49 Primary mirror

50 Motor for rotation around the altitude axis.

51 Motor for rotation around the altitude axis.

52 Tertiary mirror unit

53 Cassegrain focus 1/2

54 Cassegrain focus 2/2

55 Nasmyth mount

56 Nasmyth mount

57 Device for Nasmyth mount

58 Horizontal rotating mount 1/2
(The structure differs from that of the actual Subaru telescope.)

59 Horizontal rotating mount 2/2
(The structure differs from that of the actual Subaru telescope.)