

Site Planning Reference Data System level

Room Requirements Azurion 7 C20

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1 INTRODUCTION

1.1 Document History

Revision	Reason of changes
01	Introduction of Azurion 7 C20 (new name for Allura Xper FD20 Ceiling) Changes with respect to DMR164398_Rev00 are highlighted in yellow.
00	Introduction of R9 This document is the successor of DMR164398_Rev00

2 PREFERRED SITE LAYOUT

- Preferred room height for **Azurion 7 C20** is 2900 mm. In this case, a normal L-arm can be installed. Alternative ceiling height is 2700 mm. In this case, a short L-arm must be installed. The short L-arm has exactly the same functionality as the normal L-arm and was designed for low rooms. A ceiling height other than 2900 mm (+10 mm/-0 mm) or 2700 mm (+6 mm/-0 mm) is not possible.
- Preferred room length for **Azurion 7 C20** is 7550 mm.
In this case, AD7 can rotate 180° and the hospital staff can walk behind AD7 at foot end.
CLEA can be parked in 0° at head end of AD7.
If the room is shorter, these solutions are possible:
 1. Restrict the space between AD7 and the wall to 360 mm (application minimum).
 2. Shift the buffer beam on ceiling rails 300 mm inward (pre-drilled mounting holes).
 3. Restrict the parking angle of CLEA to 90° (instead of 0°).
 4. Restrict AD7 rotation to 90° (instead of 180°).
 5. Shift MCS rails inwards.
 6. Shift CLEA rails inwards.A combination of the options given above is possible.
The minimum room length of 6000 mm shown in Drawing 3.3 is combination of 1, 2, 3, 4, 5 and 6
- Preferred room width for **Azurion 7 C20** is 5390 mm.
In this case, AD7 can rotate 90° degrees in both directions.
The minimum room width is 4100 mm (then AD7 can rotate only 45°)

Cable length between CLEA and Cabinets is 30 m, longer cables are not available.
14.5 meter is consumed inside CLEA Ceiling Stand, 2.5 m is needed inside cabinet rear cover.
So 13 m is left between ceiling inlet of CLEA and cabinet rear covers of cabinets.
In the past we reserved 4 m inside the cabinet rear cover, in practice 2.5 m is sufficient (the cable lengths have not changed, we just reserve 1.5 m less for the cabinet)

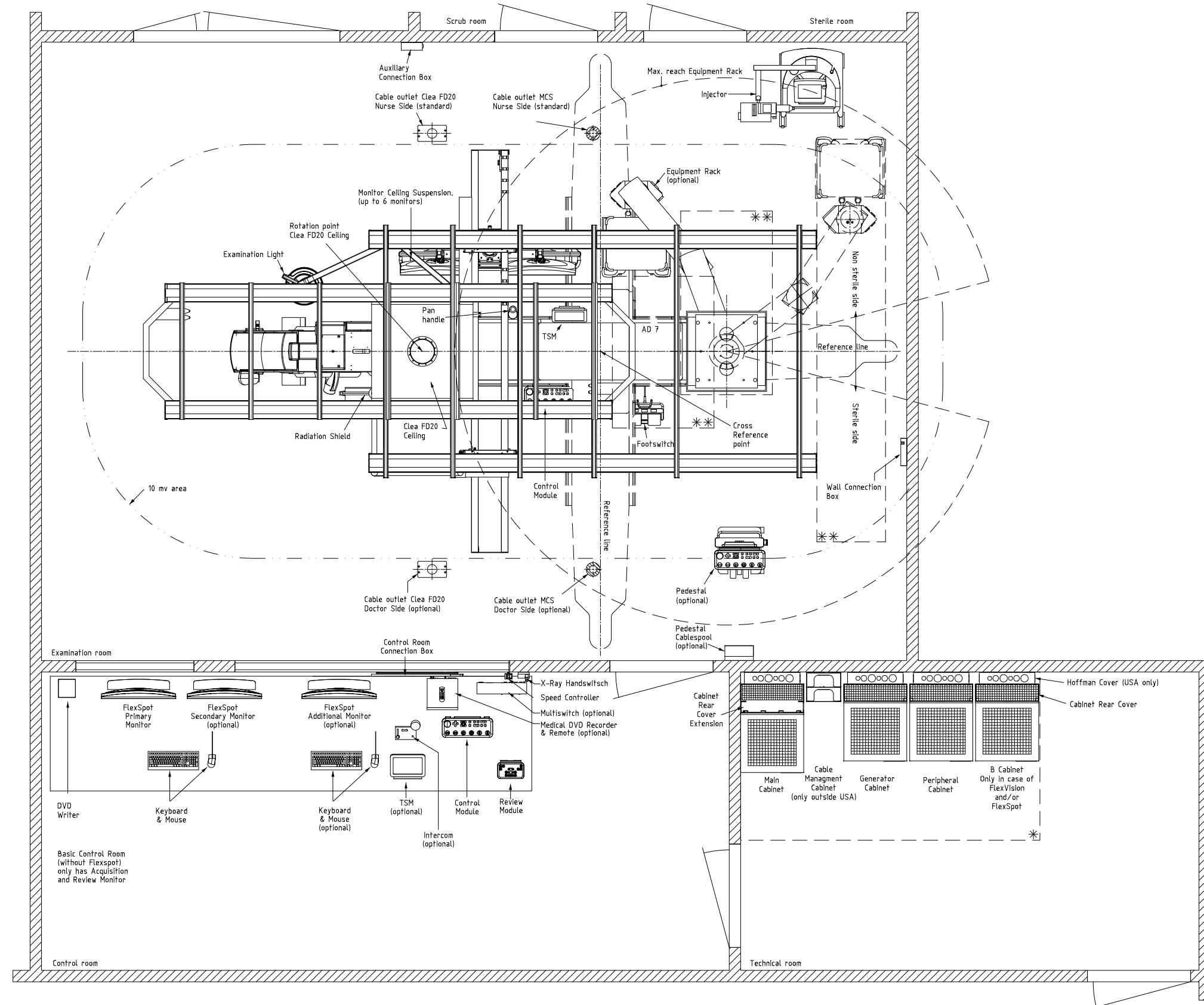
In case of problems:

- Move the cable outlet of L-arm to Doctor Side to shorten the distance from L-arm to cabinets (depends on the room layout). Cable outlet for L-arm by default on Nurse Side, but can be moved to Doctor Side. Order 9896.000.76451 (Doctor Side Cable Outlet) if needed.
- Shorten ornamental hose of CLEA with 0.5 m
- Do not put cabinets in examination room, because of 1) Air pollution 2) Safety 3) Anesthetic gas 4) Noise
- Do not install cabinets below airco units to prevent condensation, leakage and inverted flow direction.
- Lateral distance between cabinets must be at least 50 mm (ventilation requirement).
- Minimum bending radius of cables: : static min. 5 x diameter of cable, dynamic min. 10 x
- In some cases the cabinets must be installed on another floor than the examination room because of space restrictions. Please keep in mind that the maximum vertical distance between the cooling unit and the X-ray tube is 5 meter.
- The functionality of the system will not be influenced within a magnetic field of 0,5 m Tesla (5 Gauss). About 15 volume % of the stand is ferrous material (steel).

3 DRAWINGS

3.1 Preferred Site Layout, Top View **Azurion 7 C20**

CS00555_00



1200
(47.2")

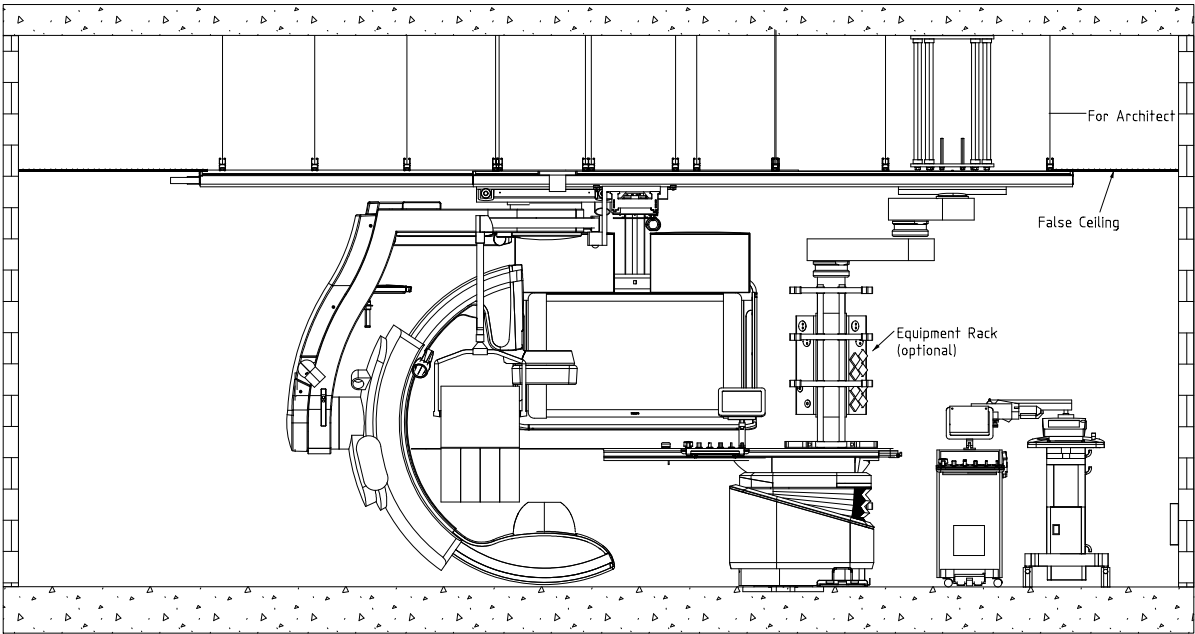
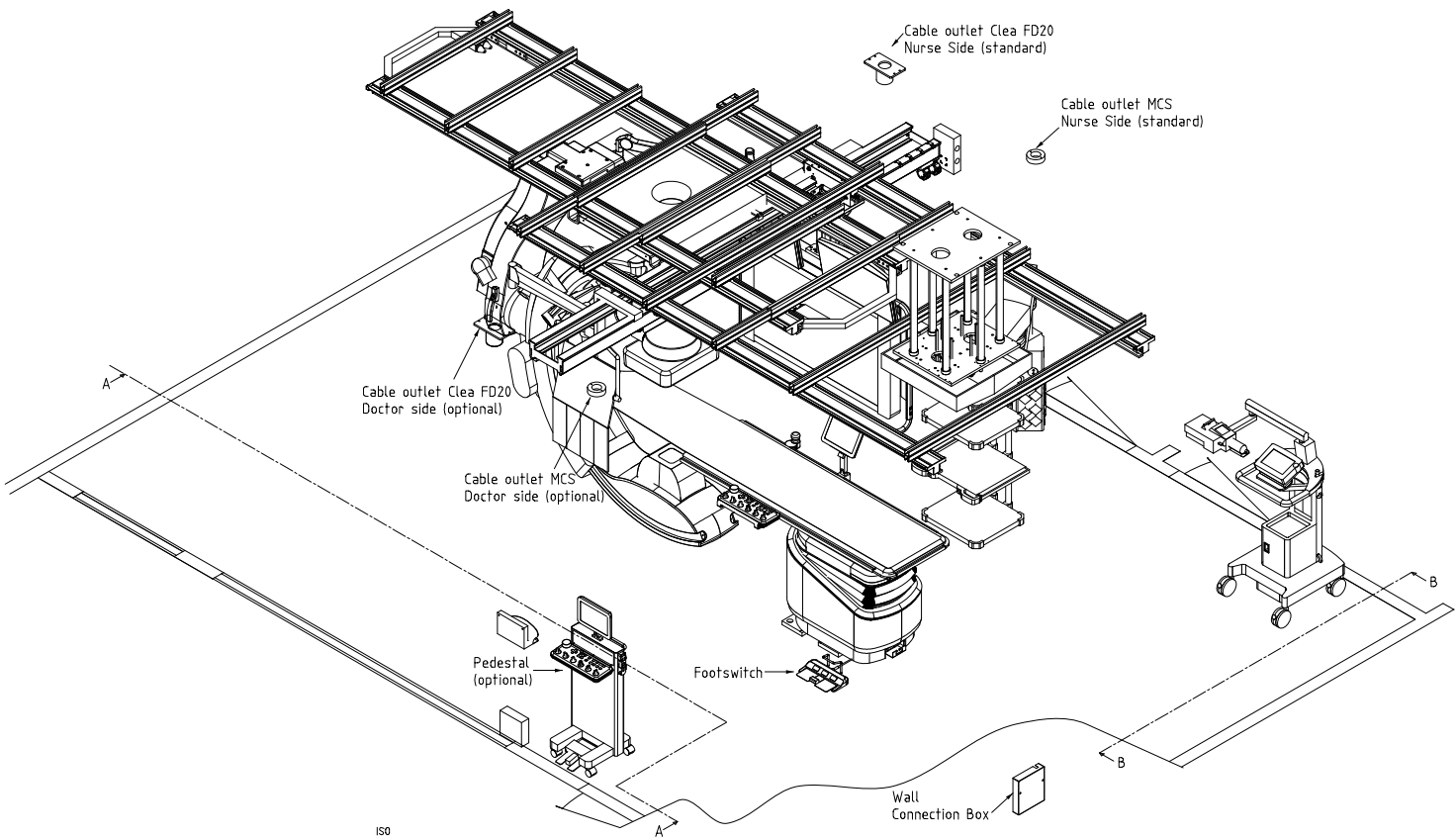
* Service area
** Installation Area

ONLY FOR ROOM LAYOUT INDICATION

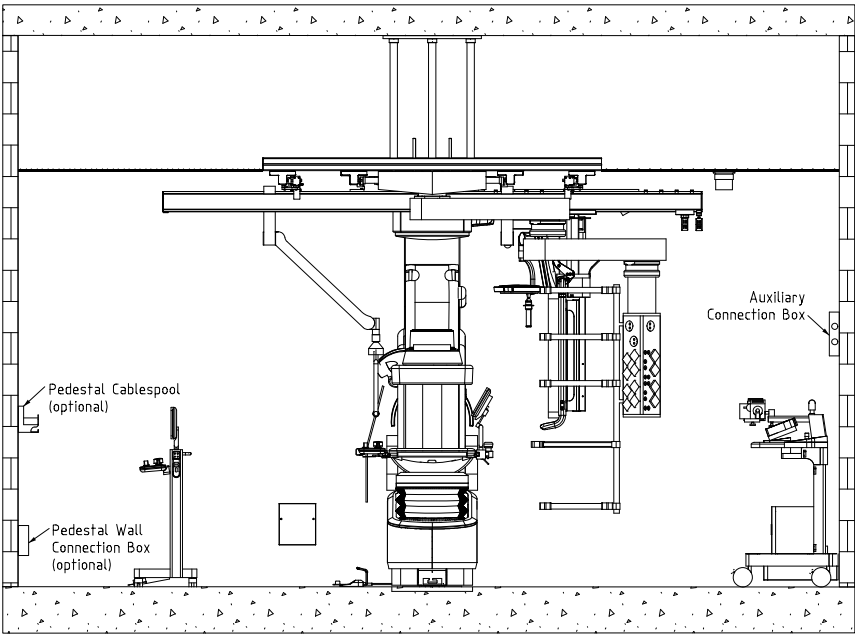
PREFERRED SITE LAYOUT, TOP VIEW
ALLURA XPER FD20 CEILING

3.2 Preferred Site Layout, Side View Azurion 7 C20

CSD05556_00



Cross-section A-A (FRONT VIEW)



Cross-section B-B (RIGHT VIEW)

ONLY FOR ROOM LAYOUT INDICATION

PREFERRED SITE LAYOUT, SIDE VIEW
ALLURA XPER FD20 CEILING

CSD05557-00



DMR225050 Rev01 **CSIP Level 1**
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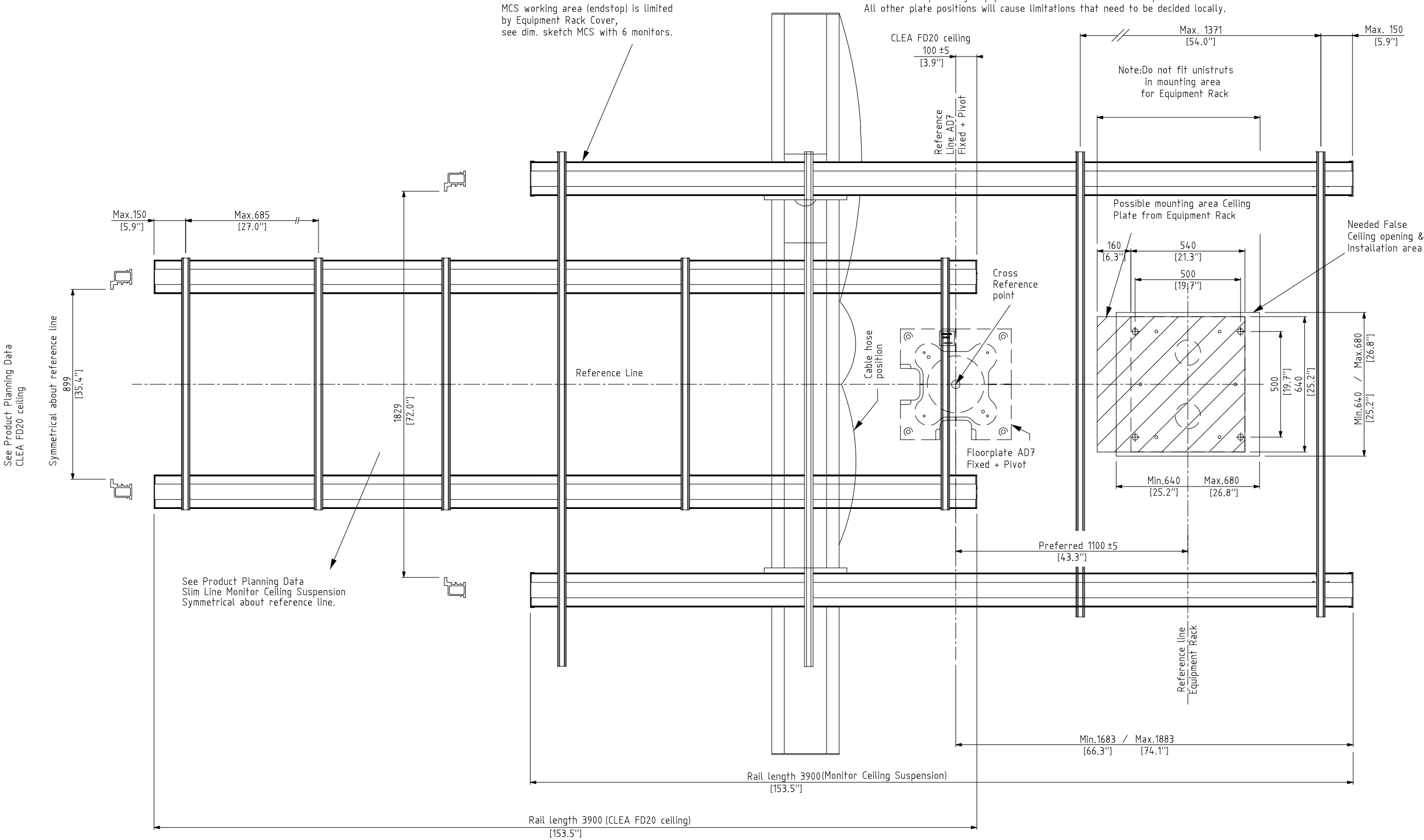
3.4 Mechanical Relation Azurion 7 C20

CSD05558_00

Positioning Equipment Rack Ceiling Plate:

In case building construction does not allow preferred position, it's possible to place ceiling plate towards the stand. This will limit the stroke of the monitor ceiling suspension.

Installation dependency: Equipment Rack needs to be installed prior to the table installation
All other plate positions will cause limitations that need to be decided locally.



MECHANICAL RELATION
ALLURA XPER FD20 CEILING

3.5 Cable Duct and Cable Conduit Data Azurion 7 C20

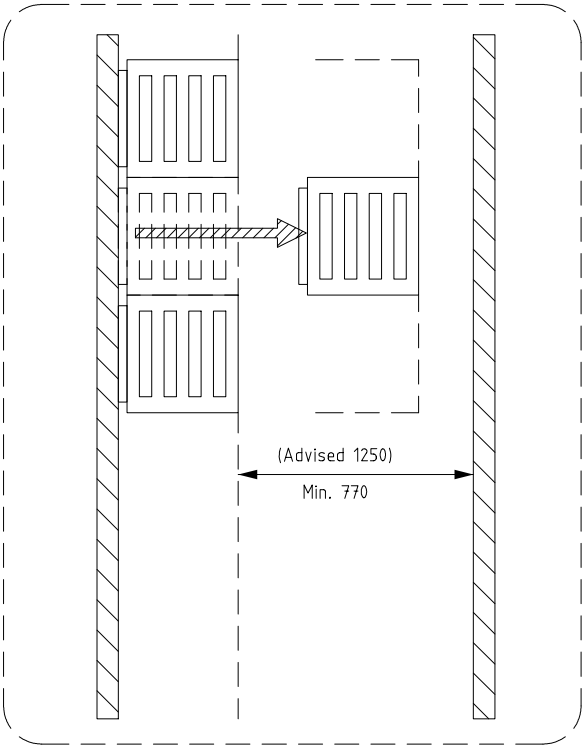
Fixed cable duct and cable conduit diagrams are no longer available.

Instead, configurable cable duct and conduit diagrams are published.

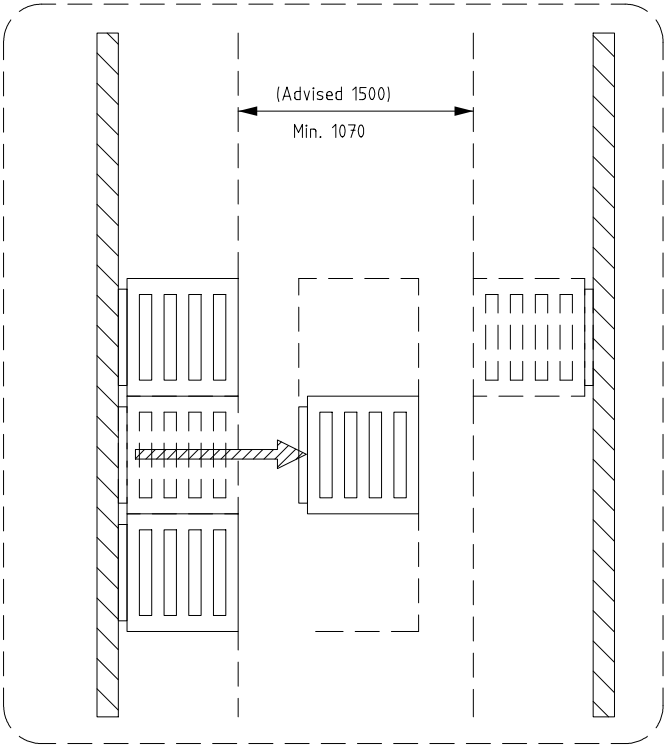
So you no longer get the “max configuration” diagram with lots of notes, but you get a customized diagram that only shows the ducts/conduits that need to be installed for the selected configuration

3.6 Cabinet Service Area

CS004455_00



Situation
cabinet to wall



Situation
2 cabinets in opposite position

ILLUSTRATION: NOT TO SCALE

CABINET SERVICE AREA

Copies are uncontrolled