

Wall Field(s) shall be utilized for wall mounted fiber backbone service loops

- Space utilized for all backbone conduit and/or cable tray entry
- Space utilized for all backbone cable entry
- Maintain working floor space (including wall field encroachment) of 48"
- A portion of this space may be utilized for the addition of active FIRE Prevention system if design call for

SDR (facility) Capacity for backbone fiber:

- 16 Communication rooms within facility
- Passive row, Fiber only -no powered equip.

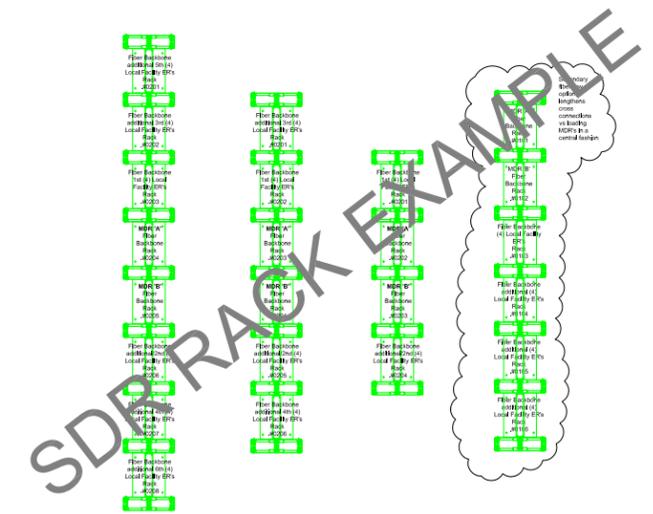
(\*) Comm Room count is per this example. Add 30" for (1) rack and (1) WM for any additional ER /TC's (up to four per Rack/WM add) beyond 16. Will result in adding depth to the overall SDR space. For example, 20 rooms would require adding 30", 24 rooms would require an add of 60", and so on.

Active Equipment:

- Powered row, most racks require Normal and UPS power service
- Remainder this row may function (also) as the local ER of facility

- NOTES:
1. All dimensions are considered minimums unless noted otherwise
  2. All (rack) vertical wire managers (WM) are 6" wide; heavy patching needs may result in the upsize of some of the rows WM's. This will impact minimum room and aisle clearances! Downsizing of low use WM's in same row is acceptable to maintain overall length. Clearly note all vertical WM widths in design documents
  3. Room design may be mirrored to fit actual field conditions; maintain preference to entering to front of a row of racks or cabinets
  4. An additional dedicated space for a Vender Service Closet may be required, refer to STANDARDS for more information. Exact location(s) and size shall be completed in telecom design process. Typical services may include:
    - 4.1. Public Cellular Network (may require up to a TC size space depending on provider's requirements and equipment load)
    - 4.2. Cable Television (may fit in a simple flush mount wall cabinet)
    - 4.3. Future/Other
  5. Rack/Cabinet Color Codes: Installed with room build out, operational day 1
  6. RED= Power GREEN= Comm

**SECONDARY DISTRIBUTION ROOM (SDR)**  
(600 S.F. min.)



REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	01/15/2025	MQS	2025 F&I COMM STANDARDS -DETAIL 2.2.5 (SDR)

PROJECT MANAGER:  
PROJECT ENGINEER:  
DESIGN ENGINEER:  
DRAFTER:  
SCALE:  
1/4" = 1'-0"  
DATE:  
CHECKED/APPROVED BY:

Port of Seattle  
PROJECT:  
F&I STANDARD COMMUNICATION DETAILS  
SHEET TITLE:  
DETAIL 2.2.5 SECONDARY DISTRIBUTION ROOMS (SDR)

WORK PROJECT NO.
CONSULTANT'S NO.
PORT OF SEATTLE NO.