

# PORT OF SEATTLE REQUIRED CABLING FOR AIRLINE GATES

## -FIBER TO BACK STAND (FTBS) CONCEPT

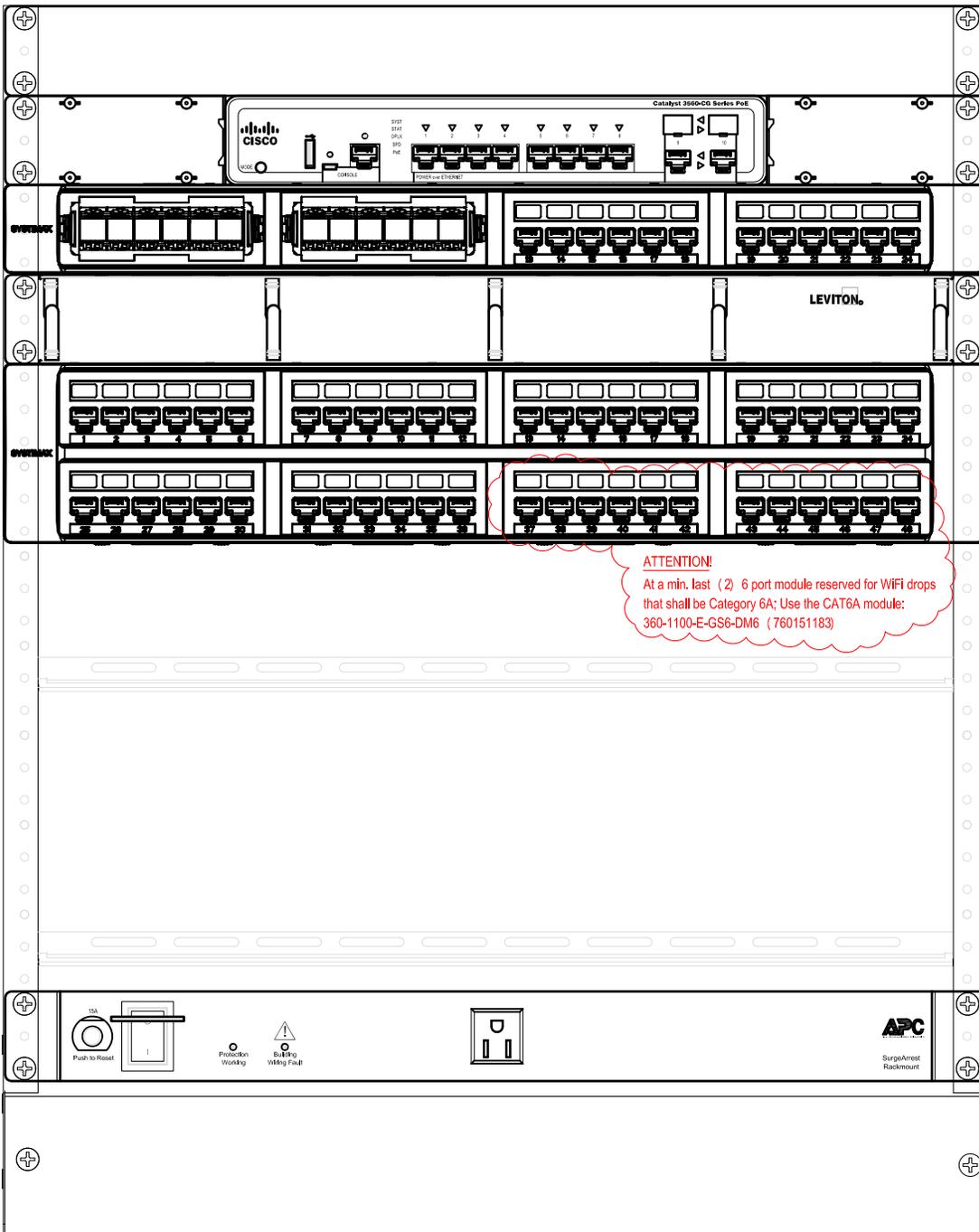
rev-A (121814)

FTBS  
COMM  
**D1**

DETAIL COMM; RACK ELEVATION w/ GEAR

Ref. PARTS LIST  
DETAIL P1

### RACK POSITION:



-1 ( ID PLATE)

-2 ( PORT NET.)

-3 ( BACKBONE)

-4 ( WIRE MGR.)

-5 & 6 ( HORIZONTAL)

Port Info.:

- 1-24: Counter, podium, TWVPS, GIDs, etc.
- 25-30: R-1 Comm. Box Exterior Jet Way
- 31-36: Future misc. horizontal cable, inc. Wi-F
- 37-48: Wi-Fi Horizontal; CAT6A

-7 thru 11

Open space  
Airline/Tenant

-12

-A

**ATTENTION!**

At a min. last (2) 6 port module reserved for WiFi drops that shall be Category 6A; Use the CAT6A module: 360-1100-E-GS6-DM6 (760151183)



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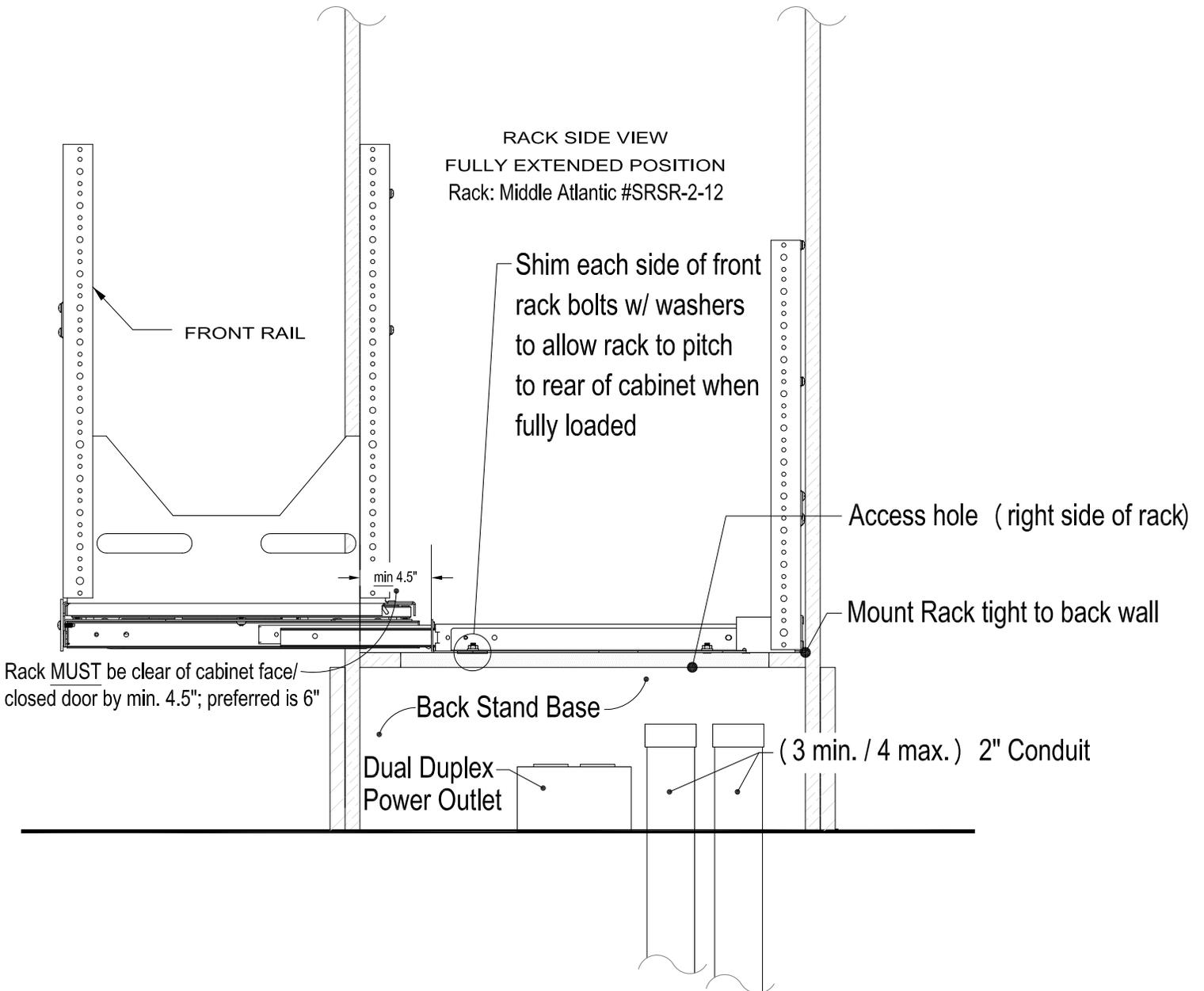
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DETAIL ELEC/COMM  
RACK INSTALL SIDE ELEVATION

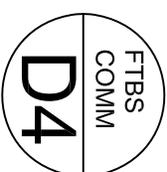
### TYPICAL PORT OF SEATTLE BACK STAND COMM AREA

Side Elevation -N.T.S.



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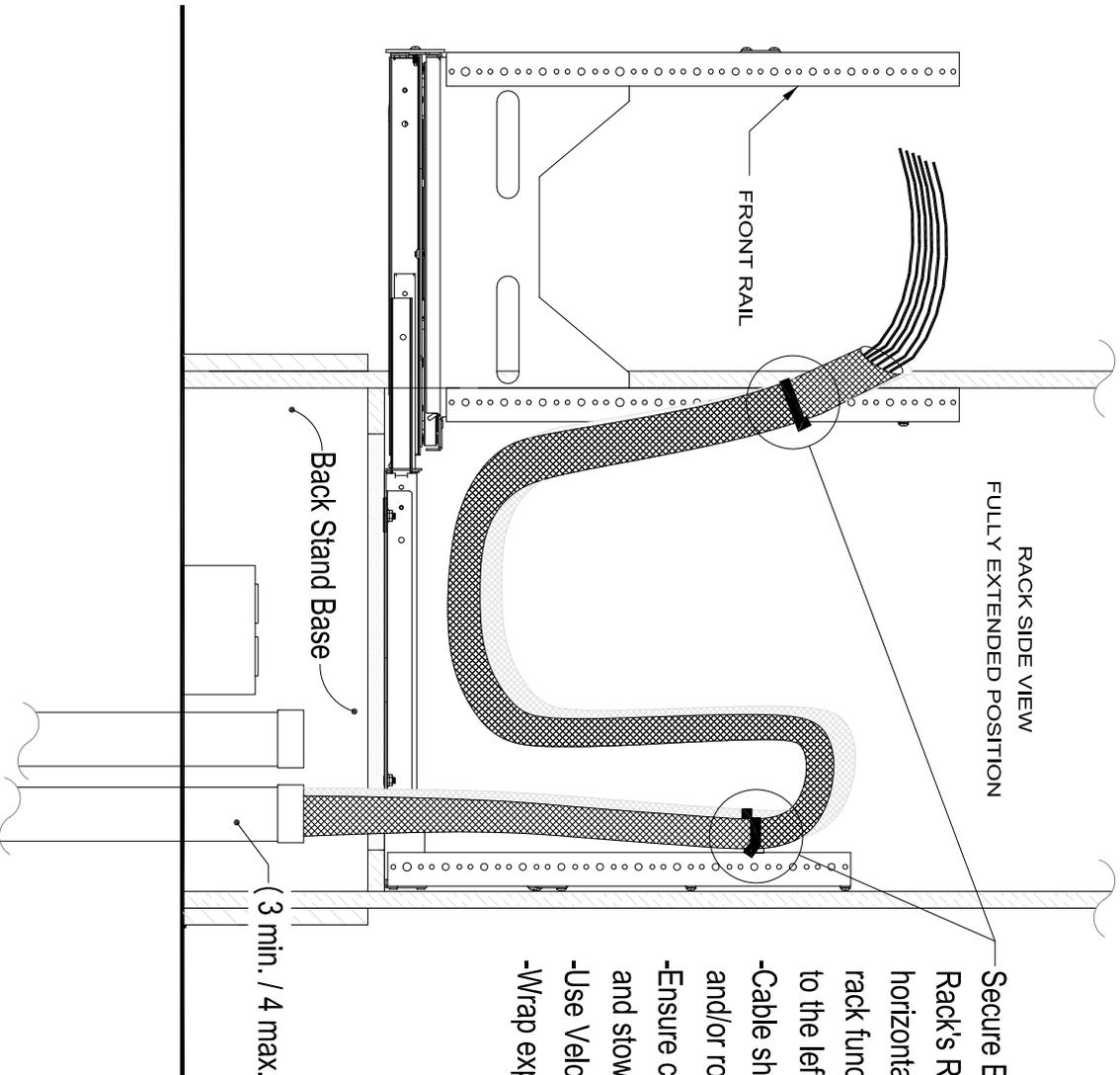
rev-A (12/8/14)



**CABLE DRESSING REQ**  
**Ref. CABINET ELEV.**  
**DETAIL D1**

**TYPICAL PORT OF SEATTLE BACK STAND COMM AREA**

Cable Dressing -N.T.S.



- Secure BACKBONE and HORIZONTAL Cable to the Rack's REAR STATIONARY (base) and REAR SLIDING horizontal Cable Lacing Bars in a manor that allows FULL rack functionality of full extension forward and rotational swing to the left ( as you face front of rack)
- Cable shall have zero strain or pinch while fully extended and/or rotated
- Ensure cable bundle flows free with all rack moment and stows in cabinet with zero pinch points on cable bundle
- Use Velcro in lieu of cable/zip ties on cables and/or cable sock
- Wrap exposed cable in a black cable sock

(3 min. / 4 max.) 2" Conduit 1= Backbone Cable,  
 1 to 2= Horizontal and potential for  
 1= Spare/Future

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### PARTS LIST

Ref. RACK ELEVATION  
DETAIL D1

### Equipment for Fiber-To-Back-Stand (FTBS) Port of Seattle Infrastructure setup

Rack Pos:	Amt.:	Supplier:	Catalog/Part Number (Material ID):	Description:
1	1	Middle Atlantic	EB-1	1 rack unit blank panel (Port of Seattle EQ info. label)
2	1	Cisco	<i>Model Varies</i>	OPSLAN Switch (Port Network Eng. shall install/config.)
3 <small>(Note: 1 unit at gate, other in Port Comm Rm.)</small>	2	CommSCOPE® / SYSTIMAX 360™	360-E-KIT-1U (760155739) ~Plus below inserts~	360 1100 Evolve Panel Kit w/ no term. hardware loaded
	2		360-1100-E-FCM (760175919)	360 1100 Evolve Fiber Cable Management Kit
	1*		360-1100-E-FB-4PK (760175877)	360 1100 Evolve Fiber Bezel (Insert to hold fiber cartridge)*
	4		360G2 Cartridge 12-LC-SM-BL (760109272)	360G2 Cartridge 12 LC TeraSPEED blue
	4		360-1100-E-GS3-DM6 (760151167)	GigaSPEED XL® Category 6 Distribution Module
(*) This is a pack of 4 Bezels. Port of Seattle recommends using the spare two in the communication room end termination panel				
4	2	Leviton	49253-LPM (Note: 1 unit at gate, other in Port Comm Rm.)	Five-Ring Horizontal Patch Cord Organizer, 1RU, 4" D-Rings
5 and 6	1	CommSCOPE® / SYSTIMAX 360™	360-E-KIT-2U (760155747) ~Plus below inserts~	360 1100 Evolve Panel Kit w/ no term. hardware loaded
	1+!		360-1100-E-GS6-DM6 (760151183)	GigaSPEED X10D® Category 6A Distribution Module <For Wi-Fi>
	4+!		360-1100-E-GS3-DM6 (760151167)	GigaSPEED XL® Category 6 Distribution Module <For all other>
(!) Note: Kit holds (8) 6 port modules. Refer to each gate design for proper count and type (Cat 6 vs 6A) for all horizontal cable				
8	0	Open		
9	0	Open		
10	0	Open		
11	0	Open		
12	1	APC	NET9RMBLK	Power supply, 1RU Surge Arrest 9 outlets
A	1	Middle Atlantic	SRSR-2-12	Sliding/Rotating Rack; 12 RU (19" usable depth version)

#### BACKBONE Cable Package to Port of Seattle Equipment Room:

Media:	Amt.:	Catalog/Part Number (Material ID) and Description:
CAT6	12	1071E RD 4/23 W1000 (700212020) -Description: SYSTIMAX 360™ GigaSPEED XL® U/UTP 1071E Non-Plenum with a jacket color of RED
SMF	2	R-012-DS-8W-FSUYL (760004440) -Description: 12 strand TeraSPEED Non-Plenum Single Unit Distribution Cable
Duct	1	MXCM3303BK 3-Cell by MaxCell -Description: 1 pack/ 3-cell Micro fabric innerduct

#### Above pulled into -PATHWAY:

CDT	1	Place (1) 2" CONDUIT from Port Equipment Room into FTBS rack; full continuous run shall not exceed 250ft. (75m). Conduit run bends shall not exceed 180 degrees per 100ft lineal segments; place gutters or pull boxes every 100ft of continuous lineal run. All couplers painted Orange
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#### HORIZONTAL Distribution Cable at Gate:

Media:	Amt.:	Catalog/Part Number (Material ID) -and Port System/ Description:
CAT6A	6(+)	1091B OR 4/23 W1000 (760107128) -Wi-Fi/Access points, use SYSTIMAX 360™ GigaSPEED X10D® Non-Plenum with a jacket color of ORANGE
CAT6	24(+)	1071E RD 4/23 W1000 (700212020) -General Horizontal, use SYSTIMAX 360™ GigaSPEED XL® Non-Plenum with a jacket color of RED
CAT6 (OSP)	6	1571A BK 4/24 R1000 (760008888) -FMS/ICT to Jet Bridge R1-Box, use SYSTIMAX Category 6, Outdoor rated with a jacket color of BLACK
FYI	Varies	Destination End (wall plates) Information Module (Data jack)- Wi-Fi access Points use: MGS600-112 (760092379) color-ORANGE All other General Horizontal use: MGS400-317 (700206741) color-RED

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