



- ③ **EQUIPMENT RACK LOCATION
(MIDDLE LATELIT ERK-3528)**
AV REQUIRE:
 ③X6 MINIMUM "1-BOX" FLUSH IN WALL DIRECTLY BEHIND RACK
 (2) 1"14C: TO ACCESSIBLE LOCATION FROM J-BOX FOR AV
 (1) QUAD: 120 VAC OUTLET W/ 10 DELEGATED 20A C
 (4) DATA OUTLET ADJACENT TO J-BOX
- ④ **85° FLAT PANEL DISPLAY LOCATION
(SAMSUNG OB85C 85" FLAT PANEL DISPLAY)**
REQUIRES:
 (1) CHIEF TSS0312 DUAL SWING ARM WALL MOUNT
 ② GANG AV WALL BOX "WB"
 (1) 120 VAC POWER OUTLET ADJACENT TO "WB"
 (2) DATA OUTLETS REQUIRED FOR AN ADJACENT TO "WB"
 AV CABLE PATHWAY TO "WB" AS SHOWN
- ⑤ **EQUIPMENT RACK LOCATION
(MIDDLE LATELIT PTRK-2126 MDX EQUIPMENT RACK)**
AV REQUIRE:
 ③X6 MINIMUM "1-BOX" FLUSH IN WALL DIRECTLY BEHIND RACK
 (2) 1"14C: TO ACCESSIBLE LOCATION FROM J-BOX FOR AV
 (1) QUAD: 120 VAC OUTLET W/ 10 DELEGATED 20A C
 (4) DATA OUTLET ADJACENT TO J-BOX
- ⑦ **FLOORBOX LOCATION (MAIN AV INTERFACE)
(FSR F500P_FLOOR_BOX)**
AV REQUIRE:
 ④ GANG ROUGH IN
 (2) 3"14C: TO ACCESSIBLE LOCATION FROM J-BOX FOR AV
 (1) 120 VAC DUPLEX OUTLET
 DATA OUTLET AS REQUIRED BY OTHERS
- ⑧ **FLOORBOX LOCATION (AUXILIARY AV INTERFACE)
(E.C. TO SPECIFY FLOOR BOX TYPE)**
AV REQUIRE:
 ④ GANG ROUGH IN
 (1) 3"14C: TO ACCESSIBLE LOCATION FROM J-BOX FOR AV
 (1) 120 VAC DUPLEX OUTLET
 DATA OUTLET AS REQUIRED BY OTHERS

AVR	AV EQUIPMENT RACK LOCATION
LECT	LECTERN LOCATION (CUSTOM VERIFY) AV REQUIRE: CONNECTION TO AV DEVICES @ "AV3-1" CONNECTION TO POWER ADJACENT TO "AV3-1" CONNECTION TO DATA ADJACENT TO "AV3-1"
FPD	FLAT PANEL DISPLAY LOCATION
TP	TOUCHPANEL CONTROL LOCATION (QSC T10-10-G3 "TOUCHPANEL") AV REQUIRE: 2 GANG AV WALL BOX "WB" @ SWITCH HEIGHT AV CABLE PATHWAY FROM "WB" AS SHOWN
AV#	AV INTERFACE PLATE LOCATION AV WALL PLATE TYPES VARI SEE DETAILS REQUIRE: ROUGH IN SIZE BASED ON #AV# + 2 GANG PROVIDE AV CABLE PATHWAY TO ACC. LOCATION MOUNT @ OUTLET HEIGHT UNLESS OTHERWISE VERIFY EXACT MOUNTING LOCATION ON SITE
FB-B	FLOORBOAR LOCATION

SHEET #	DESCRIPTION	*1	
AV-101	LEVEL-1 FLOOR & WALL AV DEVICE LAYOUT	●	
AV-101.1	LEVEL-1 CEILING AV DEVICE LAYOUT	●	

*1 = DD DRAWINGS 12-12-23

TYPE	PLENUM	NON PLENUM	DESCRIPTION	O.E.
A	BELDEN 9451P	BELDEN 9451	1 TW/PR. SH. 22 GA - AUDIO, MIC	0.13
D	BELDEN 5683U6	BELDEN 6663U6	CAT 6-DATA	0.22

CONDUIT GROUP TYPE:
a - AUDIO MIC / LINE LEVEL
b - VIDEO / RF LEVEL
c - COMM. / CONTROL LEVEL
d - LOUDSPEAKER LEVEL
e - SPARE

QUANTITY OF CONDUITS

CONDUIT SIZE

EXAMPLE CONDUIT CABLE PULL NOTE

CABLE TYPE

QUANTITY OF CABLES

3(1)"C(5)A

1. CONDUIT GROUPS "b", "c" & "d" - CAN BE COMBINED, IF PATHWAYS
2. PATHWAYS SHOWN ARE "AS DESIGNED", COMBINATION OF PATHWAYS TO BE APPROVED BY DESIGNER. WHEN PATHWAYS ARE COMBINED ADJUST SIZE TO MAINTAIN 40% CONDUIT FILL.
3. RACEWAY PROVIDER TO DETERMINE WHERE CONDUITS ARE NEEDED. SIZES SHOWN ON DRAWINGS ARE FOR MINIMUM REQUIREMENTS & WALL STUBS.
4. MAINTAIN 12" MINIMUM SEPARATION OF GROUP-"a" CABLES FROM OTHER GROUPS WHEN FREE RUNNING CABLES



LEVEL-1 FLOOR & WALL AV DEVICE LAYOUT AV-101

SHEET NOTES:

- 1

PROJECTION SCREEN LOCATION
(60 X 96 DA-LITE ADVANTAGE)
AV REQUIRES:
120 VAC EQUIPMENT POWER @ LEFT SIDE OF CASE
4 SQ. AV BOX "WB" W/ FLEX WHIP TO SCREEN
AV CABLE & PATHWAY FROM "VP" AS SHOWN.
114" X 7" HOLE IN CEILING W/ (2) UNISTRUT @ STRCT.
- 2

VIDEO PROJECTOR LOCATION
(PANASONIC PT-FR260WU7 PROJECTOR)
AV REQUIRES:
CHIEF CMS-440 CEILING MOUNT
CHIEF CMS 903 POLE
CHIEF RPAU PROJECTOR MOUNT
(1) 120 VAC OUTLET WITHIN CEILING MOUNT
(1) 1 GANG "AV BOX" WITHIN CEILING MOUNT
AV CABLE PATHWAY FROM "AV BOX" AS SHOWN
- 5

CAMERA LOCATION
(PTZ OPTICS PT12X4KWHG3 PTZ CAMERA)
AV REQUIRES:
PTZ OPTICS PTCM3WH CEILING MOUNT
(1) 1 GANG "AV BOX" ADJACENT TO CEILING MOUNT
AV CABLE PATHWAY FROM "AV BOX" AS SHOWN

DEVICE LEGEND

- PS

PROJECTION SCREEN LOCATION
- VP

VIDEO PROJECTOR LOCATION
- S1

SPEAKER LOCATION (TYPE-1)
(JBL CONTROL 26CT CEILING SPEAKER)
SPEAKER IS FLUSH MOUNTED IN CEILING W/ INCLUDED MOUNTING ACCESSORIES.
REQUIRES:
4 SQ. CEILING BOX w/ FLEX WHIP @ NON ACC. CEILINGS
AV CABLE PATHWAY AS SHOWN
8.75" HOLE IN CEILING
SEE ONLINE DIAGRAM FOR TAP VALUE
- CAM

CAMERA LOCATION
- CM

CEILING MIC ARRAY
(SHURE MXA920W-S DIGITAL MIC ARRAY)
AV REQUIRES:
DEVICE MOUNTED IN PLACE OF 24 X 24 CEILING TILE
4 SQ. BOX @ STRUCTURE W/ FLEX WHIP TO MIC
AV CABLE PATHWAY AS SHOWN

SHEET LIST

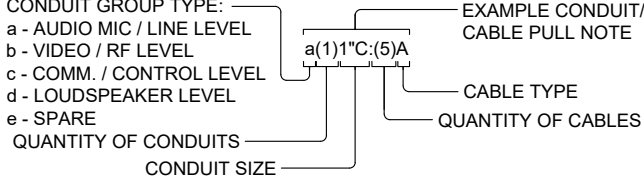
SHEET #	DESCRIPTION	*1
AV-101	LEVEL-1 FLOOR & WALL AV DEVICE LAYOUT	●
AV-101.1	LEVEL-1 CEILING AV DEVICE LAYOUT	●

*1 = DD DRAWINGS 12-12-23

CABLE LEGEND

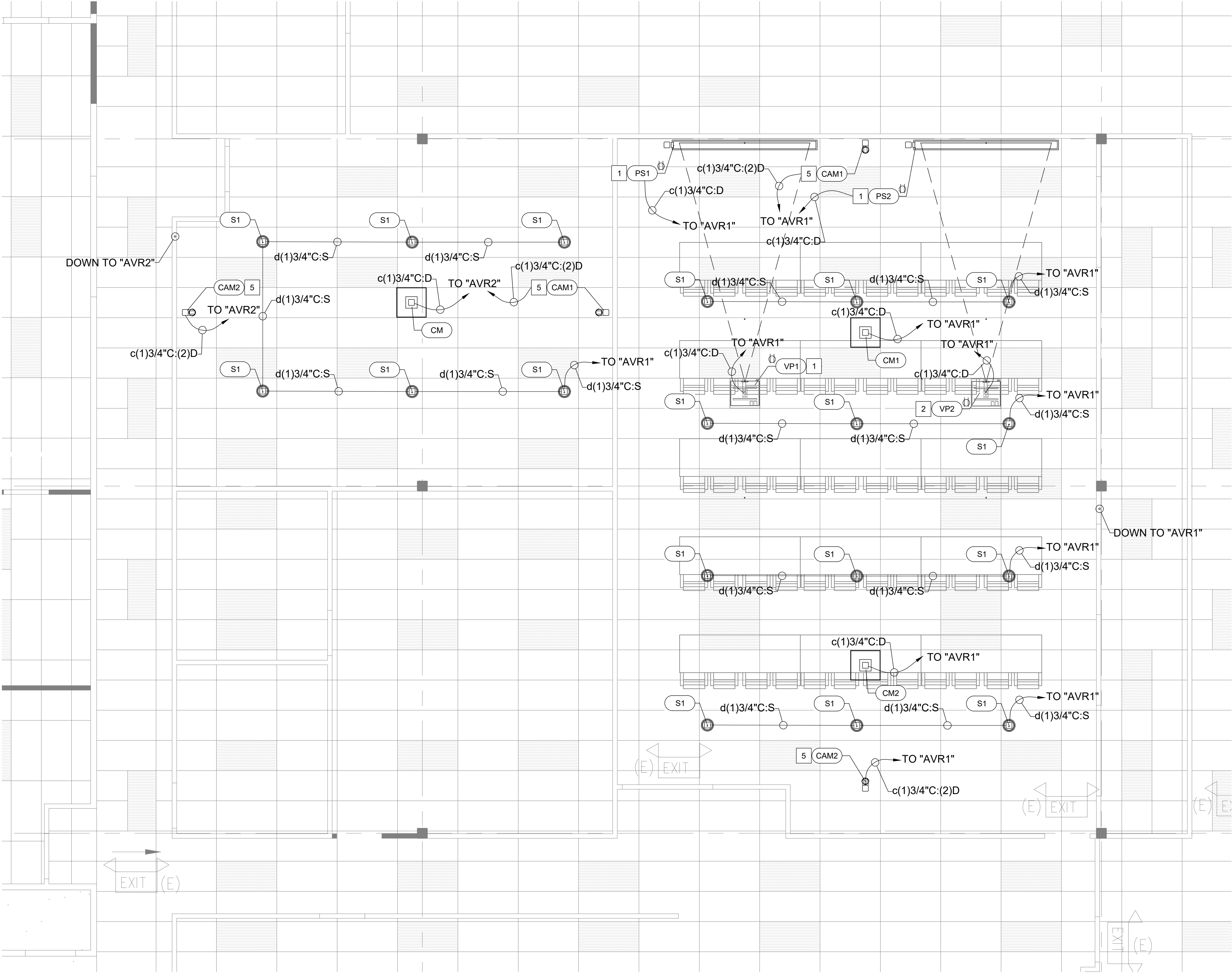
TYPE	PLENUM	NON PLENUM	DESCRIPTION	O.D.*
A	BELDEN 94S1P	BELDEN 94S1	1 TWPR. SH. 22 GA - AUDIO, MIC	0.135
D	BELDEN 6603UB	BELDEN 6603UB	CAT 6-DATA	0.224

AV CONDUIT SYMBOL LEGEND



GENERAL RACEWAY NOTES:

- CONDUIT GROUPS "b","c" &"d" - CAN BE COMBINED, IF NEEDED.
- PATHWAYS SHOWN ARE "AS DESIGNED". COMBINATION OF PATHWAYS TO BE APPROVED BY DESIGNER. WHEN PATHWAYS ARE COMBINED ADJUST SIZE TO MAINTAIN 40% CONDUIT FILL.
- RACEWAY PROVIDER TO DETERMINE WHERE CONDUITS ARE NEEDED. SIZES SHOWN ON DRAWINGS ARE FOR MINIMUM REQUIREMENTS & WALL STUBS.
- MAINTAIN 12" MINIMUM SEPARATION OF GROUP-"a" CABLES FROM OTHER GROUPS WHEN FREE RUNNING CABLES



1 LEVEL-1 CEILING AV DEVICE LAYOUT
Scale: 1/4" = 1'-0"