



Tessler NR:

569-DB07-AIC-360-002

CLIENT NR:

PRD-AIC-LIS-040

CLIENT: TAKEDA/BAXALTA

PROJECT / AREA: BURITI EPCMV PROJECT

BASIC DESIGN

BILL OF MATERIAL
ACS

1	28JAN2022	ISSUED FOR CONSTRUCTION CONSIDERING COMMENTS	MAV	MAF	RSP
0	14OCT2021	ISSUED FOR CONSTRUCTION	MAB	MAF	RSP
A	22JUN2021	90% BD ISSUE	MAB	MAF	RSP
REV	DATE	DESCRIPTION	EXEC.	CHECK	APPROV.

Tessler NR **569-DB07-AIC-360-002**CLIENT NR: **PRD-AIC-LIS-040**

TITLE:

BILL OF MATERIAL ACSSHEET:
2 de 9REV.:
1**NOTAS:**





- 1) The current Bill of Material covers the necessary requirements for the Security Access Control System of the BURITI Project.
- 2) The construction concepts detailed hereof consider the labor and materials to properly execute the design and design intent detailed in the drawings and specifications as delivered.
- 3) This list is delivered like an illustrative form for the principal activities that are required. The Contractor is responsible to comply with the specified design and design intent.
- 4) The Contractor is responsible to supervise and report in the delivered document if anomalies exist or any extra materials are required and their quantities.
- 5) The brands and specifications for the materials and equipment will not be changed nor modified unless it is approved in written by the Takeda/Baxalta; therefore the Contractor must consider lead times on the materials and equipment.
- 6) The Contractor is responsible for the means and methods required to comply with the design and design intent. The execution of the work must comply with country and Hemobrás safety regulations.
- 7) The Contractor must consider the quoting of all materials, miscellaneous, and consumables like screws, anchors, connection caps, lubricants, insulating tape, and any other material to complete the work according to the design and design intent.
- 8) The Contractor will be responsible for the order and cleaning of all construction and storage areas, removing as well any excess materials and trash generated during the working period.
- 9) IPS/Tessler does not assume any responsibility for the construction quantities that the Contractor states thereof; it is the responsibility of the Contractor to consider the proper quantities based on the design and design intent.
- 10) Failure to identify discrepancies or omissions immediately shall be understood to indicate the Contractor's acceptance and full compliance with the design and design intent.
- 11) Takeda/Baxalta, Takeda/Baxalta's Representative and Architect/Engineer of Record will not consider, for any purpose, any claim of the bidder for any error or omission in the bid.
- 12) Assembly and installation accessories see material list number:
PRD-AIC-LIS-039 - BILL OF MATERIALS - VOIP&DATA

REVISION 0 NOTES

1. REVIEW IN QUANTITIES

REVISION 1 NOTES

1. ADDED ITEMS 15, 16 AND 17

 			 		
Tessler NR 569-DB07-AIC-360-002			CLIENT NR: PRD-AIC-LIS-040		
TITLE:					SHEET: 3 de 9
BILL OF MATERIAL ACS					REV.: 1
ID	DESCRIPTION	UNIT	QTY		
BUILDING 7A					
1	ACCESS CONTROL UNIT (ACU) WITH INTERLOCK OPTION TYPE: 37-BIT WIEGAND FORMAT CAPACITY: 6 ID CARDS READERS DIMENS: 292 mm W x 457 mm H x 152 mm D 11.5" W x 18"H x 6" D MATERIAL: 16 AWG Cold Rolled Steel (CRS) enclosure with Tamper, Lock, and Key REMARKS: PCSC Access controller for 6 readers, 6 relays, 30 DI, 12 TTL Outputs, Onboard LAN port installed in Large Enclosure cabinet UL (21.8" H x 16.1" W x 5.7" D), 220VAC to 12VDC@6,5A operating voltage MANUFACTURER: PCSC: MODEL: IQ-6-P6-L-12-X-LAN TAG EQUIPEMENT: SEE DOC PRD-AIC-LIS-022	Pc	48		
2	PROXIMITY READERS TYPE: 37-BIT WIEGAND FORMAT CAPACITY: Weigand 125KHz DIMENSIONS: 137 mm (HEIGHT) x 44 mm (WIDHT) x 27.5 mm (DEPTH) REMARKS: READER 125K MANUFATURER: PCSC MODEL: PR732	Pc	121		
3	CONTACT DOOR TYPE: MAGNETIC CAPACITY: SINGLE POLE SINGLE THROW DIMENSIONS: 6.35 mm x 9.5 mm x 50.8 mm REMARKS: Universal Door contact screw mount, adhesive mount or recess. Super wide gap of 2" (51mm) is standard or 1" (25mm) end-to-end recessed MANUFACTURER: HONEYWELL MODEL: 7940WH	Pc	132		
4	ELETRIC STRIKE TYPE: ELETRIC CAPACITY: 1000 LBS DIMENSIONS: 165mm x 44mm x 38mm REMARKS: Fail Secure Stainless door strike MANUFACTURER: PCSC MODEL: ES-125-SS	Pc	116		

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BILL OF MATERIAL ACS

REV.:
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ID	DESCRIPTION	UNIT	QTY		
5	MAGNETIC LOCK TYPE: ELETRIC CAPACITY: 600 LBS DIMENSIONS: L- 9.8in (250mm) X W- 1.7in (42mm) X D- 1.0in (26mm) MATERIAL: Stainless Steel REMARKS: 600 LBS Maglock, 12/24 VDC, w/door sense, Heavy duty design MANUFACTURER: PSC MODEL: ML600DS	Pc	5		
6	EMERGENCY BOTTON TYPE: WALL MOUNT CAPACITY: SINGLE OR DOUBLE DOOR USE DIMENSIONS: 89mm H x 89MM W x 63.5"D MATERIAL: ABS 757 plastic construction REMARKS: Emergency overwrite 2stage button, with NO and NC contacts MANUFACTURER: ASSA ABLOY MODEL: CP-32G	Pc	53		
7	ID CARDS TYPE: PVC PLASTIC CARD CAPACITY: CARDS WITH CHIP EMBEDDED AND FREQUENCY OF 13.56 MHZ MATERIAL: PLASTIC REMARKS: PCSC Standard 125KHz HID Proximit card ID in 37 Bit CORP1000 format MANUFACTURER: PCSC MODEL: PC-73	Pc	100		
9	COPPER PATCH CORDS CAT 6 4 PAIRS CATEGORY 6. BANDWIDTH FREQUENCY: 250 MHZ	MT	4500		
10	MULTIMODE OPTICAL FIBER PATCH CORDS. CATEGORY OM4. COLOR: AQUA. MULTIMODE 50µM. DUPLEX TIGHT PATCH CORD. DUPLEX LC CONNECTORS IN BOTH ENDS. LENGTH: 118.11IN (3000MM). EXTERIOR JACKET: LSZH. TENSILE STRENGTH: 100N	Pc	130		
11	PROXIMITY CARD READER CABLE. MULTICONDUCTOR 6X18AWG. ALUMINUM FOIL. MULTIFILAR. PVC JACKET COLOR GRAY. COPPER CONDUCTORS. DIAMETER: 5.690MM	Pc	130		
12	GALVANIZED STEEL CONDUIT, WITH MALE THREAD NPT TYPE ENDS NOMINAL DIAMETER OF 21MM (3/4"), IN SECTIONS OF 3 METERS,	SECTION	260		
13	90° CURVE IN APPARENT GALVANIZED IRON Ø3/4"	Pc	230		
14	CONDUIT CONICAL BOX TERMINAL Ø3/4"	Pc	230		
15	FLEXIBLE METAL DUCT Ø 3/4" X 1000mm WITHOUT PVC COVER	M	90		
16	CABLE UTP-4 COUPLE 100OHMS CATEGORY 6	M	4500		
17	RAWLPLUG NYLON HEX NUT Ø3/8" WITH HEX SCREW	Pc	1200		
18	HEX NUT FLAT ROUND WASHER Ø 3/8"	Pc	1200		
19	CLAMP TYPE "D" IRON STEEL GALVANIZED Ø3/4" WITH HEX BOLT AND FLAT WASHER	Pc	500		
20	THREADED ROAD (Ø 3/8") 10mm X 3000mm LENGHT	SECTION	100		

 			 		
Tessler NR 569-DB07-AIC-360-002			CLIENT NR: PRD-AIC-LIS-040		
TITLE: BILL OF MATERIAL ACS					SHEET: 5 de 9
					REV.: 1
ID	DESCRIPTION	UNIT	QTY		
BUILDING 7B					
1	ACCESS CONTROL UNIT (ACU) WITH INTERLOCK OPTION TYPE: 37-BIT WIEGAND FORMAT CAPACITY: 6 ID CARDS READERS DIMENS: 292 mm W x 457 mm H x 152 mm D 11.5" W x 18"H x 6" D MATERIAL: 16 AWG Cold Rolled Steel (CRS) enclosure with Tamper, Lock, and Key REMARKS: PCSC Access controler for 6 readers, 6 relays, 30 DI, 12 TTL Outputs, Onboard LAN port installed in Large Enclosure cabinet UL (21.8" H x 16.1" W x 5.7" D), 220VAC to 12VDC@6,5A operating voltage MANUFACTURER: PCSC: MODEL: IQ-6-P6-L-12-X-LAN TAG EQUIPEMENT: SEE DOC PRD-AIC-LIS-022	Pc	49		
2	PROXIMITY READERS TYPE: 37-BIT WIEGAND FORMAT CAPACITY: Weigand 125KHz DIMENSIONS: 137 mm (HEIGHT) x 44 mm (WIDHT) x 27.5 mm (DEPTH) REMARKS: READER 125K MANUFATURER: PCSC MODEL: PR732	Pc	119		
3	CONTACT DOOR TYPE: MAGNETIC CAPACITY: SINGLE POLE SINGLE THROW DIMENSIONS: 6.35 mm x 9.5 mm x 50.8 mm REMARKS: Universal Door contact screw mount, adhesive mount or recess. Super wide gap of 2" (51mm) is standard or 1" (25mm) end-to-end recessed MANUFACTURER: HONEYWELL MODEL: 7940WH	Pc	133		
4	ELETRIC STRIKE TYPE: ELETRIC CAPACITY: 1000 LBS DIMENSIONS: 165mm x 44mm x 38mm REMARKS: Fail Secure Stainless door strike MANUFACTURER: PCSC MODEL: ES-125-SS	Pc	45		
5	MAGNETIC LOCK TYPE: ELETRIC CAPACITY: 600 LBS DIMENSIONS: L- 9.8in (250mm) X W- 1.7in (42mm) X D- 1.0in (26mm) MATERIAL: Stainless Steel REMARKS: 600 LBS Maglock, 12/24 VDC, w/door sense, Heavy duty design MANUFACTURER: PSC MODEL: ML600DS	Pc	80		
6	EMERGENCY BOTTON TYPE: WALL MOUNT CAPACITY: SINGLE OR DOUBLE DOOR USE DIMENSIONS: 89mm H x 89MM W x 63.5"D MATERIAL: ABS 757 plastic construction REMARKS: Emergency overwrite 2stage button, with NO and NC contacts MANUFACTURER: ASSA ABLOY MODEL: CP-32G	Pc	54		

 			 		
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TITLE:					SHEET: 6 de 9
BILL OF MATERIAL ACS					REV.: 1
ID	DESCRIPTION	UNIT	QTY		
7	ID CARDS TYPE: PVC PLASTIC CARD CAPACITY: CARDS WITH CHIP EMBEDDED AND FREQUENCY OF 13.56 MHZ MATERIAL: PLASTIC REMARKS: PCSC Standard 125KHz HID Proximity card ID in 37 Bit CORP1000 format MANUFACTURER: PCSC MODEL: PC-73	Pc	100		
9	COPPER PATCH CORDS CAT 6 4 PAIRS CATEGORY 6. BANDWIDTH FREQUENCY: 250 MHZ	MT	4500		
10	MULTIMODE OPTICAL FIBER PATCH CORDS. CATEGORY OM4. COLOR: AQUA. MULTIMODE 50µM. DUPLEX TIGHT PATCH CORD. DUPLEX LC CONNECTORS IN BOTH ENDS. LENGTH: 118.11IN (3000MM). EXTERIOR JACKET: LSZH. TENSILE STRENGTH: 100N	Pc	96		
11	PROXIMITY CARD READER CABLE. MULTICONDUCTOR 6X18AWG. ALUMINUM FOIL. MULTIFILAR. PVC JACKET COLOR GRAY. COPPER CONDUCTORS. DIAMETER: 5.690MM	Pc	74		
12	GALVANIZED STEEL CONDUIT, WITH MALE THREAD NPT TYPE ENDS NOMINAL DIAMETER OF 21MM (3/4"), IN SECTIONS OF 3 METERS,	SECTION	260		
13	90° CURVE IN APPARENT GALVANIZED IRON Ø3/4"	Pc	230		
14	CONDUIT CONICAL BOX TERMINAL Ø3/4"	Pc	230		
15	FLEXIBLE METAL DUCT Ø 3/4" X 1000mm WITHOUT PVC COVER	M	90		
16	CABLE UTP-4 COUPLE 100OHMS CATEGORY 6	M	4500		
17	RAWLPLUG NYLON HEX NUT Ø3/8" WITH HEX SCREW	Pc	1200		
18	HEX NUT FLAT ROUND WASHER Ø 3/8"	Pc	1200		
19	CLAMP TYPE "D" IRON STEEL GALVANIZED Ø3/4" WITH HEX BOLT AND FLAT WASHER	Pc	500		
20	THREADED ROD (Ø 3/8") 10mm X 3000mm LENGTH	SECTION	100		
BUILDING 7C					
1	ACCESS CONTROL UNIT (ACU) WITH INTERLOCK OPTION TYPE: 37-BIT WIEGAND FORMAT CAPACITY: 6 ID CARDS READERS DIMENS: 292 mm W x 457 mm H x 152 mm D 11.5" W x 18"H x 6" D MATERIAL: 16 AWG Cold Rolled Steel (CRS) enclosure with Tamper, Lock, and Key REMARKS: PCSC Access controller for 6 readers, 6 relays, 30 DI, 12 TTL Outputs, Onboard LAN port installed in Large Enclosure cabinet UL (21.8" H x 16.1" W x 5.7" D), 220VAC to 12VDC@6,5A operating voltage MANUFACTURER: PCSC: MODEL: IQ-6-P6-L-12-X-LAN TAG EQUIPEMENT: SEE DOC PRD-AIC-LIS-022	Pc	4		

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BILL OF MATERIAL ACS

REV.:
1

ID	DESCRIPTION	UNIT	QTY		
2	PROXIMITY READERS TYPE: 37-BIT WIEGAND FORMAT CAPACITY: Weigand 125KHz DIMENSIONS: 137 mm (HEIGHT) x 44 mm (WIDHT) x 27.5 mm (DEPTH) REMARKS: READER 125K MANUFATURER: PCSC MODEL: PR732	Pc	6		
3	CONTACT DOOR TYPE: MAGNETIC CAPACITY: SINGLE POLE SINGLE THROW DIMENSIONS: 6.35 mm x 9.5 mm x 50.8 mm REMARKS: Universal Door contact screw mount, adhesive mount or recess. Super wide gap of 2" (51mm) is standard or 1" (25mm) end-to-end recessed MANUFACTURER: HONEYWELL MODEL: 7940WH	Pc	4		
4	MAGNETIC LOCK TYPE: ELETRIC CAPACITY: 600 LBS DIMENSIONS: L- 9.8in (250mm) X W- 1.7in (42mm) X D- 1.0in (26mm) MATERIAL: Stainless Steel REMARKS: 600 LBS Maglock, 12/24 VDC, w/door sense, Heavy duty design MANUFACTURER: PSC MODEL: ML600DS	Pc	4		
5	EMERGENCY BOTTON TYPE: WALL MOUNT CAPACITY: SINGLE OR DOUBLE DOOR USE DIMENSIONS: 89mm H x 89MM W x 63.5"D MATERIAL: ABS 757 plastic construction REMARKS: Emergency overwrite 2stage button, with NO and NC contacts MANUFACTURER: ASSA ABLOY MODEL: CP-32G	Pc	3		
6	GALVANIZED STEEL CONDUIT, WITH MALE THREAD NPT TYPE ENDS NOMINAL DIAMETER OF 21MM (3/4"), IN SECTIONS OF 3 METERS,	SECTION	36		
7	90° CURVE IN APPARENT GALVANIZED IRON Ø3/4"	Pc	12		
1	FLEXIBLE METAL DUCT Ø 3/4" X 1000mm WITHOUT PVC COVER	M	4		
9	FLEXIBLE METAL DUCT Ø 3/4" X 1000mm WITHOUT PVC COVER	M	4		
10	CABLE UTP-4 COUPLE 100OHMS CATEGORY 6	M	280		
11	RAWLPLUG NYLON HEX NUT Ø3/8" WITH HEX SCREW	Pc	40		
12	HEX NUT FLAT ROUND WASHER Ø 3/8"	Pc	30		
13	CLAMP TYPE "D" IRON STEEL GALVANIZED Ø3/4" WITH HEX BOLT AND FLAT WASHER	Pc	30		
14	THREADED ROAD (Ø 3/8") 10mm X 3000mm LENGHT	SECTION	12		

BUILDING 7F

Tessler NR **569-DB07-AIC-360-002**

CLIENT NR: **PRD-AIC-LIS-040**





TITLE:

SHEET:
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BILL OF MATERIAL ACS

REV.:
1

ID	DESCRIPTION	UNIT	QTY		
1	ACCESS CONTROL UNIT (ACU) WITH INTERLOCK OPTION TYPE: 37-BIT WIEGAND FORMAT CAPACITY: 6 ID CARDS READERS DIMENS: 292 mm W x 457 mm H x 152 mm D 11.5" W x 18"H x 6" D MATERIAL: 16 AWG Cold Rolled Steel (CRS) enclosure with Tamper, Lock, and Key REMARKS: PCSC Access controller for 6 readers, 6 relays, 30 DI, 12 TTL Outputs, Onboard LAN port installed in Large Enclosure cabinet UL (21.8" H x 16.1" W x 5.7" D), 220VAC to 12VDC@6,5A operating voltage MANUFACTURER: PCSC: MODEL: IQ-6-P6-L-12-X-LAN TAG EQUIPEMENT: SEE DOC PRD-AIC-LIS-022	Pc	2		
2	PROXIMITY READERS TYPE: 37-BIT WIEGAND FORMAT CAPACITY: Weigand 125KHz DIMENSIONS: 137 mm (HEIGHT) x 44 mm (WIDHT) x 27.5 mm (DEPTH) REMARKS: READER 125K MANUFATURER: PCSC MODEL: PR732	Pc	4		
3	CONTACT DOOR TYPE: MAGNETIC CAPACITY: SINGLE POLE SINGLE THROW DIMENSIONS: 6.35 mm x 9.5 mm x 50.8 mm REMARKS: Universal Door contact screw mount, adhesive mount or recess. Super wide gap of 2" (51mm) is standard or 1" (25mm) end-to-end recessed MANUFACTURER: HONEYWELL MODEL: 7940WH	Pc	2		
4	MAGNETIC LOCK TYPE: ELETRIC CAPACITY: 600 LBS DIMENSIONS: L- 9.8in (250mm) X W- 1.7in (42mm) X D- 1.0in (26mm) MATERIAL: Stainless Steel REMARKS: 600 LBS Maglock, 12/24 VDC, w/door sense, Heavy duty design MANUFACTURER: PSC MODEL: ML600DS	Pc	2		
5	EMERGENCY BOTTON TYPE: WALL MOUNT CAPACITY: SINGLE OR DOUBLE DOOR USE DIMENSIONS: 89mm H x 89MM W x 63.5"D MATERIAL: ABS 757 plastic construction REMARKS: Emergency overwrite 2stage button, with NO and NC contacts MANUFACTURER: ASSA ABLOY MODEL: CP-32G	Pc	2		
6	GALVANIZED STEEL CONDUIT, WITH MALE THREAD NPT TYPE ENDS NOMINAL DIAMETER OF 21MM (3/4"), IN SECTIONS OF 3 METERS,	SECTION	18		
7	90° CURVE IN APPARENT GALVANIZED IRON Ø3/4"	Pc	6		
8	CONDUIT CONICAL BOX TERMINAL Ø3/4"	Pc	2		
9	FLEXIBLE METAL DUCT Ø 3/4" X 1000mm WITHOUT PVC COVER	M	2		

 			 		
Tessler NR 569-DB07-AIC-360-002			CLIENT NR: PRD-AIC-LIS-040		
TITLE:					SHEET: 9 de 9
BILL OF MATERIAL ACS					REV.: 1
ID	DESCRIPTION	UNIT	QTY		
10	CABLE UTP-4 COUPLE 100OHMS CATEGORY 6	M	140		
11	RAWLPLUG NYLON HEX NUT Ø3/8" WITH HEX SCREW	Pc	12		
12	HEX NUT FLAT ROUND WASHER Ø 3/8"	Pc	12		
13	CLAMP TYPE "D" IRON STEEL GALVANIZED Ø3/4" WITH HEX BOLT AND FLAT WASHER	Pc	12		
14	THREADED ROAD (Ø 3/8") 10mm X 3000mm LENGHT	SECTION	6		
15	WORKSTATION ACCORDING TO ITEMS 8.1.1.1 FROM DOCUMENT PRD-AIC-TSP-003_SECURITY ACCESS CONTROL	Pc	1		
16	SOFTWARE DEVELOPMENT FOR ACS SYSTEM	BUDGET	1		
17	PRINTER FOR PRINTING ACCESS CONTROL CARDS	Pc	1		