

NOTE:  
SEE CABLE SCHEDULE E1.4 - E1.6 FOR CABLE LENGTHS.

ARR 1 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 110 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 203 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 100 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 111 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 204 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 101 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 200 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 205 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 102 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 201 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 206 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

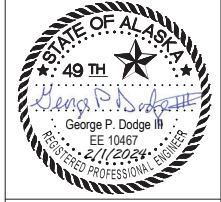
ARR 103 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 202 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 207 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE



COPYRIGHT NOTICE  
THIS LAYOUT/DESIGN IS AN UNPUBLISHED WORK, AND NEW HORIZONS TELECOM, INC. HEREBY RESERVES ITS COMMON LAW RIGHT, PURSUANT TO TITLE 17 SECTION 2 OF THE USA CODE TO PREVENT ANY UNAUTHORIZED COPYING, PUBLICATION OR USE OF THIS DESIGN AND TO OBTAIN DAMAGES THEREFOR.



IFC

REV	DESCRIPTION	DATE
0	ISSUE FOR CONSTRUCTION	240201

ALASKA RAILROAD  
PASSENGER CAR  
WIRELESS AND WIFI  
SERVICES

DWN: JAA	DSN: DBK	APP: GPD	REV
JOB #: 23-0117-20	DATE: 240201		0

BILL OF MATERIALS

E1.1

FILE: X:\31 JOBS\31017-20 ARR1 PASSENGER CAR WIRELESS & WIFI UNDERBUNG SERVICE\ENGR\CAD\1 BILL OF MATERIALS (DWG) PLT DATE: 240201

NOTE:  
SEE CABLE SCHEDULE E1.4 - E1.6 FOR CABLE LENGTHS.

ARR 208 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 352 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 501 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	2	EA	ACCESS POINTS IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7	85	FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 209 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 401 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7	85	FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 502 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	2	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 210 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 451 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	2	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7	90	FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 521 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	2	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7	85	FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 301 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7	85	FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 452 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	2	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7	90	FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 522 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	2	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7	85	FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 351 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	2	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7	105	FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 500 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	2	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7	85	FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 523 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	2	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7	85	FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE



COPYRIGHT NOTICE  
THIS LAYOUT/DESIGN IS AN UNPUBLISHED WORK, AND NEW HORIZONS TELECOM, INC. HEREBY RESERVES ITS COMMON LAW RIGHT, PURSUANT TO TITLE 17 SECTION 2 OF THE USA CODE TO PREVENT ANY UNAUTHORIZED COPYING, PUBLICATION OR USE OF THIS DESIGN AND TO OBTAIN DAMAGES THEREFOR.



IFC

REV	DESCRIPTION	DATE
0	ISSUE FOR CONSTRUCTION	240201

ALASKA RAILROAD  
PASSENGER CAR  
WIRELESS AND WFT  
SERVICES

DWN: JAA	DSN: DBK	APP: GPD	REV
JOB #: 23-0117-20	DATE: 240201		0

BILL OF MATERIALS

E1.2

FILE: X:\31 JOBS\31017-20 ARR-C PASSENGER CAR WIRELESS & WFT\ENGINEERING SERVICES\ENGR\CAD\2-BILL OF MATERIALS.DWG PLT DATE: 240201

NOTE:  
SEE CABLE SCHEDULE E1.4 - E1.6 FOR CABLE LENGTHS.

ARR 551 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 556 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 654 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	2	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 552 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 557 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 655 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	2	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 553 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 651 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	2	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 656 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	2	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 554 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 652 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	2	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 751 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	2	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 555 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 653 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	2	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE

ARR 2000 BILL OF MATERIALS			
ITEM NUMBER	QTY	UNIT	DESCRIPTION
1	2	EA	ACCESS POINTS IN BRIDGE MODE (ILC)
2	1	EA	ACCESS POINT IN CLIENT MODE (AP)
3	1	EA	12 PORT SWITCH (SW)
4	2	EA	PATCH ANTENNA (ANT)
5		FT	CAT6A M12 TO M12
6		FT	SPP-250-LPL QMA TO QMA COAX
7		FT	WIRE MOLDING
8	1	FT	BREAKER/FUSE
9		EA	POWER CABLE



COPYRIGHT NOTICE  
THIS LAYOUT/DESIGN IS AN UNPUBLISHED WORK, AND NEW HORIZONS TELECOM, INC. HEREBY RESERVES ITS COMMON LAW RIGHT, PURSUANT TO TITLE 17 SECTION 2 OF THE USA CODE TO PREVENT ANY UNAUTHORIZED COPYING, PUBLICATION OR USE OF THIS DESIGN AND TO OBTAIN DAMAGES THEREFORE.



IFC

REV	DESCRIPTION	DATE
0	ISSUE FOR CONSTRUCTION	240201

ALASKA RAILROAD  
PASSENGER CAR  
WIRELESS AND WIFI  
SERVICES

DWN: JAA	DSN: DBK	APP: GPD	REV: 0
JOB #: 23-0117-20		DATE: 240201	

BILL OF MATERIALS

E1.3

FILE: X:\31 JOHN\S\0117-20 ARR-C PASSENGER CAR WIRELESS & WIFI\ENGINEERING SERVICES\ENGR\CAD\1 BILL OF MATERIALS (DWG) PLT DATE: 240201