NOTES:

1. ALL ELECTRICAL EQUIPMENT (ADS-B, NDB, AWS, AIM PROCESSOR) TO BE SET UP IN DEDICATED SECOND FLOOR OFFICE IN THE ATCT.
2. EQUIPMENT DISPLAYS AND CONTROLS TO BE RETICULATED INTO EXISTING ATCT CONSOL Suite and/or FACILITY.
3. RADAR TO BE SET UP IN ATCT CABIN AERIALS TO BE ROOF MOUNTED.
4. ADS-B AERIALS TO BE MAINTAINED ON ATCT ROOF.

SYMBOL LEGEND:

- PRECISION APPROACH PATH INDICATOR (PAPI; RED/WHITE)
- WIND DIRECTION INDICATOR (WXP)
- SIT PIT
- HEAVY DUTY PIT TYPE 'B' - 900 x 900 x 900
- AUTOMATED WEATHER STATION (AWS)
- NEW PRIMARY DUCT AND CABLE
- NEW DUCT AND CABLE UNDER PAVEMENT
- APPROXIMATE RUNWAY STRIP (150m) EXTENTS

REFER TO DRAWING 60277003-AV-1403 FOR DETAILS
PAPI INSTALLATION NOTES:
1. DESIGN AIRCRAFT FOR THE PAPIS WILL BE THE BOEING 737-800/900.
2. THE CONTRACTOR IS RESPONSIBLE FOR PAPI LOCATION DESIGN.
3. ALL PAPI DIMENSIONS SUBJECT TO CONFIRMATION.
4. STANDARDS AND REGULATIONS THAT ARE CONSIDERED RELEVANT FOR THE PARTICULAR DESIGN ARE:
   - INTERNATIONAL CIVIL AVIATION ORGANISATION ANNEX 14, BACKDROP PART 1 (ICAO ANNEX 14)
   - CIVIL AVIATION AUTHORITY OF NEW ZEALAND, ADVISORY CIRCULAR AC 39-H, AERODROME DESIGN
     REQUIREMENTS (CMA NV AC39-H).
   - FAA AC 150/5305-28B, PRECISION APPROACH PATH INDICATOR (PAPI) SYSTEMS.
   - FAA AC 150/5340-30, INSTALLATION DETAILS FOR AIRPORT VISUAL AIDS.
   - AS/NZS 1179.2 STRUCTURAL DESIGN ACTIONS - WIND ACTIONS.
5. PAPIS EQUIPMENT SHALL BE:
   - L-880 - SYSTEM CONSisting OF 4 LIGHT UNITS.
   - STYLE B - 8.6A CURRENT SYSTEM.
   - CLASS 3 - SYSTEMS THAT OPERATE FROM -35 DEGREES CONTRIBUTE TO 55 DEGREES E.
   - MILL 3, 3 LAMP UNITS PER PAPI BOX.
   - IN FULL COMPLIANCE WITH THE REQUIREMENTS OF FAA ADVISORY CIRCULAR AC FAA
     AC-150/5340-28B, PRECISION APPROACH PATH INDICATOR (PAPI) SYSTEMS.
6. EACH PAPI FOUNDATION TO COMPLY A 0.2 METRE SQUARE, 200 MM THICK, CONCRETE PROTECTION SLAB
   WITH CABLE CONDUIT CENTRED BENEATH THE LIGHT BOX AND EXTENDING 100 MM ABOVE SLAB LEVEL.

SET OUT INFORMATION:
- RUNWAY 27 END PL (T27)
  - 53713/5196 ip, 15253/1936 ip
  - 27 m (proposed)
  - 53467/5179 ip, 15259/1905 ip

SYMBOL LEGEND:
- PRECISION APPROACH PATH INDICATOR (PAPI RED/WHITE)
- MINI DIRECTION INDICATOR "MDI"
- SIT PIT
- HEAVY DUTY PIT TYPE "B" - 900 x 900 x 600
- AUTOMATED WEATHER STATION (AWS)
- NEW PRIMARY DUCT AND CABLE
- NEW DUCT AND CABLE UNDER PAVEMENT
- APPROPRIATE RUNWAY STEP (150m) EXTENTS

PAPI & SIT PIT LAYOUT DETAIL

NOT FOR CONSTRUCTION
AWOS SENSORS FOUNDATION PAD - TYPICAL LAYOUT

VISIBILITY SENSOR FOUNDATION PAD DETAIL

LIGHTNING SENSOR FOUNDATION PAD DETAIL

CEILOMETER FOUNDATION PAD DETAIL

NOT FOR CONSTRUCTION
Legend

1. Retain existing galvanised steel structural frame. Provide paint finish.
2. Insulated profiled metal sheet roof
3. Tiles on mortar bed on new reinforced concrete slab on DPM - over existing slab
4. Operable glass louvres
5. New painted galvanised steel columns for external roof
6. New pre-finished metal gutters and downpipes

Existing Departures building beyond

Secondary wind direction

Landside

New paving slab

1:50 fall

Wide overhanging canopy to shade the building interior and minimise solar heat gain

Roof vents and fixed skylights placed at ridge

Prevailing wind

Airside

Apron to falls

FOR APPROVAL
NOT FOR CONSTRUCTION

PACIFIC AVIATION INVESTMENT PROGRAM (PAIP)
BONGKI INTERNATIONAL AIRPORT
TERMINAL
SECTIONS - SHEET 1

tim mein architects
SECTION 2 GL 8-GL 10 - ARRIVALS

1. REPLACE ROOF SHEETING ON EXISTING STRUCTURE
2. NEW FLOOR FINISH ON EXISTING SLAB
3. PASSPORT CONTROL DESK
4. CUSTOM & QUANTUM SCREENING
5. CUSTOMER & vans
6. ROOF PITCH 5'
7. GUTTER 1/4"
8. RAMP 1:12
9. FL1 - NEW RIDGE FLASHING
10. NEW SSL COLUMN
11. NEW SSL BEAM
12. PASSPORT CONTROL DECK
13. BOARDING PASSPORT CONTROL
14. PAV1 RAMP AND LANDING
15. CONSOLIDATE BASEPLATE AND HOLESTIES TO ALL NEW COLUMNS. TO SUIT DETAIL

NOTE:
- DRAWING SHELLS BE RECORDED IN CONSTRUCTION WITH ARCHITECTS DRAWING
- TECHNICAL SPECIFICATIONS SHEET 1 PAGE 4 OF 10
- DRAWING SHELLS BE RECORDED IN CONSTRUCTION WITH ARCHITECTS DRAWING

FOR APPROVAL
NOT FOR CONSTRUCTION

PACIFIC AVIATION INVESTMENT PROGRAM (PAIP)
BONHAR INTERNATIONAL TERMINAL
PROPOSED SECTION - SHEET 2

AECOM
tim mein architects
Government of the Republic of Kiribati

SAS:
Government of the Republic of Kiribati

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PROPOSED TERMINAL ROOF