



~~OPTUS 10 PORT PANEL ANTENNAS 3 OFF ON HEADFRAME. EXISTING 2 OFF OMNI ANTENNAS AND 1 OFF Ø300 PARABOLIC ANTENNA. (REFER NOTES 3 & 4)~~

REUSE EXISTING OPTUS HYBRID TRUNK CABLE 6/12 MLEH (2-OFF, SHARED) AND EXISTING AVA5-50 FEEDERS (3-OFF, U9 & U21), NEW AVA5-50 FEEDERS (1-OFF, U9) ALONG EXISTING 450W CABLE LADDER

OPTUS RRU's 9 OFF ON MOUNTS (TO BE REUSED) (REFER TO NOTE 6)

EXISTING SHARED 450 WIDE CABLE LADDER CONTINUING TO OPTUS CORRUGATED METAL CONDUITS FIXED TO ROCK. (REFER TO NOTE 7 FOR CABLES DETAILS)

EXISTING SHARED COMMUNICATIONS ROOM

EXISTING OPTUS EQUIPMENT ROOM IN ROOF SPACE ABOVE STOREROOM. (REFER DRG. S0200-F1 FOR DETAILS)

STEEP ROCKY INCLINE

AXICOM 7.44m HIGH STEEL MONOPOLE

EXISTING ROCKY OUTCROP

RSD-4 SB.1 (Axicom Colocation)
RLMs 23/02/2022

ANTENNA LEGEND:



REPLACE EXISTING OPTUS RV4PX306R PANEL ANTENNAS (3-OFF) WITH PROPOSED OPTUS COMMSCOPE RRV4-65A-R6 (SMALL 12P) PANEL ANTENNAS (3-OFF, 1 OFF PER SECTOR) ON LONGER ANTENNA POLES WITH ADDITIONAL SUPPORT ON EXISTING TURRET HEADFRAME FOR ALL SECTORS (TYP.)

PROPOSED OPTUS ACTIVE ANTENNA ERICSSON AIR3278 (3500) AAUS (3-OFF, 1 OFF PER SECTOR) TO BE INSTALLED ON LONGER ANTENNA POLES WITH ADDITIONAL SUPPORT ON EXISTING TURRET HEADFRAME FOR ALL SECTORS (TYP.)

EXISTING OPTUS COM19D COMBINERS (1-OFF, S3), 850 REJECT FILTERS (3-OFF, 1 PER SECTOR) TO BE REUSED AND INSTALL PROPOSED 850 REJECT FILTERS (3-OFF, 1 PER SECTOR) AND RF SWITCH (1-OFF, S2) BEHIND PROPOSED PANEL ANTENNAS

NOTE:
1. EXISTING OPTUS U9 OMNI ANTENNAS TO BE MIGRATED TO S2. ADDITIONAL 1 x AVA5-50 FEEDER.
2. EXISTING OPTUS U21 MHA (1-OFF) TO BE MOVED FROM S2 TO S3.
3. PROPOSED STEELWORKS AND ANTENNAS TO BE COLOUR MATCHED 'PALE EUCALYPT' OR EQUIVALENT.

GENERAL NOTES:

- REFER TO DRAWING S0200-A1 FOR ANTENNA SYSTEM CONFIGURATION.
- REFER TO DRAWING S0200-G1 FOR STRUCTURAL CERTIFICATION NOTES.
- COMMSCOPE RV4PX306R 10 PORT PANEL ANTENNAS 3 OFF ON SPOKE HEADFRAME. EXISTING 2 OFF OMNI ANTENNAS ON HEADFRAME. REFER TO STRUCTEL DRG STD-21622 SHTS. 1 & 2 FOR HEADFRAME DETAILS.
- Ø300 PARABOLIC ANTENNA 2 OFF ON MOUNTS ON AXICOM STEEL POLE. REFER TO STANDARD DRAWING OSD-340 FOR MOUNT DETAILS. REFER TO DRG. S0200-T1 FOR TRANSMISSION DETAILS.
- EXISTING MHA'S ON HEADFRAME. COM19D (S2 ONLY) 1 OFF & 3X 850REJ FILTERS (1 PER SECTOR) ON HEADFRAME.
- OPTUS RRUs (9 OFF) 3 x RRU4480 (L7/L9) (1 PER SECTOR), 3 x RRU4480 (L18/L21) (1 PER SECTOR), 3 x RRU4415 (L2600) (1 PER SECTOR).
- AVA5-50 2 OFF FOR OMNI ANTENNAS. LDF4-50 FEEDER CABLE FOR PARABOLIC DISH. 6/12 MLEH HYBRID CABLES 2 OFF FOR PANEL ANTENNAS. ALL CABLES WITHIN EXISTING 450W SHARED CABLE LADDER BRIDGE FROM RESTAURANT BUILDING THEN WITHIN EXISTING 1 OFF FLEXIBLE INSULATED STEEL CONDUIT AND Ø100 FLEXIBLE STAINLESS STEEL CONDUITS 2 OFF (DIRECTLY ON ROCK FACE) AND THEN INTERNAL TO MONOPOLE. APPROXIMATE LENGTH OF CONDUITS IS 15m EACH.
- ALL ACTIVITIES COMPLIED WITH APPROVAL DA9975, AND SUPPORTING DOCUMENTATION PREPARED BY ASSET GEOTECHNICAL (GEOTECHNICAL ASSESSMENT AND "FORM 4") AND ECO LOGICAL (SITE ENVIRONMENTAL MANAGEMENT PLAN, BIODIVERSITY DEVELOPMENT ASSESSMENT REPORT AND ABORIGINAL HERITAGE DUE DILIGENCE ASSESSMENT).

MGA ZONE 56
E 615 341
N 5 960 554
AT € OF MONOPOLE

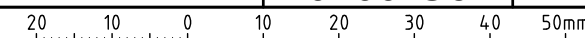
DETAIL SCALE 1:250

AB	29.07.21	AS BUILT (REGIONAL UG)	LENLEASE	SRS	XX	XX	XX
C	25.03.21	NOTES AMENDED & ISSUED FOR CONSTRUCTION	LENLEASE	AB	AQ	SK	SK
B	20.07.20	ISSUED FOR CONSTRUCTION	AXICOM	ADC	GJF	GL	GS
A	30.01.19	FOR CONSTRUCTION	DALY	BRS	SC	DI	CT
AB	22.01.09	AS BUILT	DALY	DI	JM	DI	CT
Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier	Approver



Client:
MOBILE NETWORK AUSTRALIA
SITE No:- S0200 THREDBO
CRACKENBACK UPPER LIFT STATION

Drawing Title:
SITE LAYOUT AND SETOUT PLAN
Drawing Status:
AS BUILT
Drawing No.
S0200-G3
Revision
AB



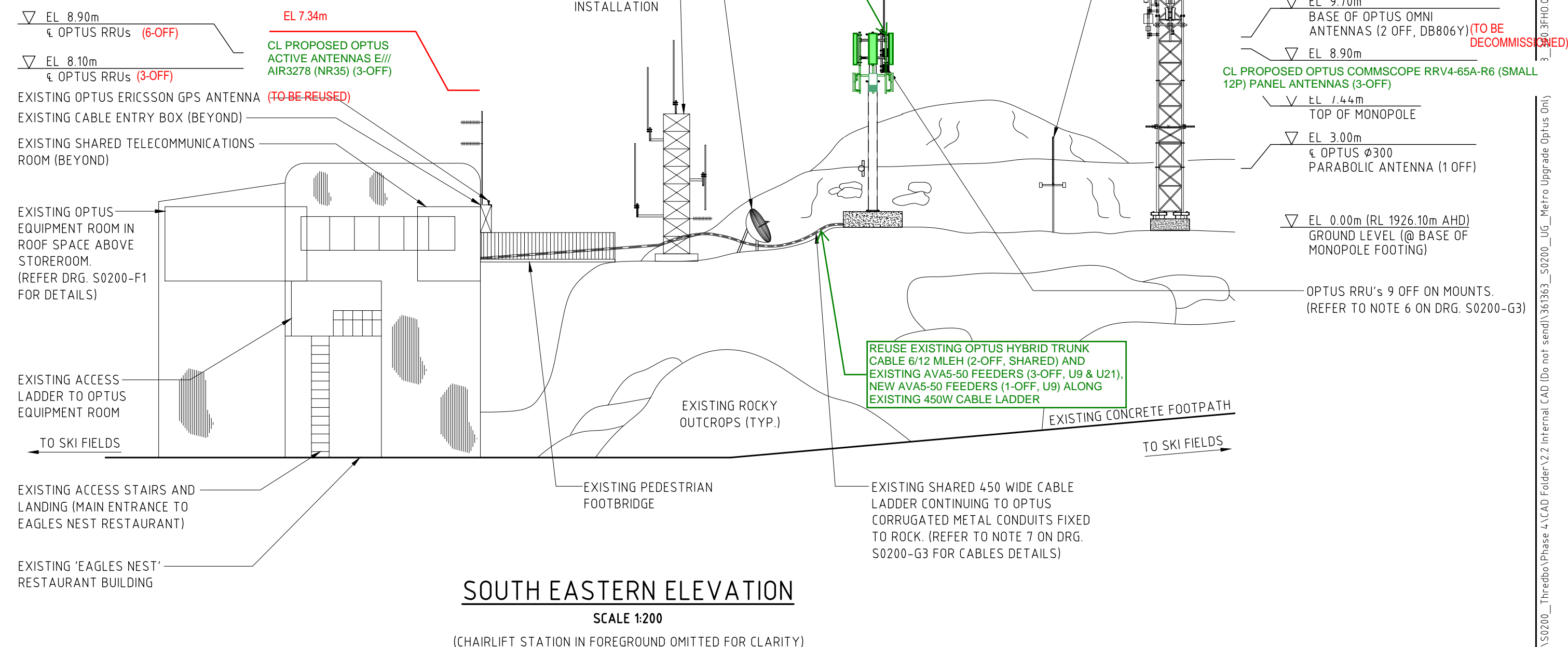
GENERAL NOTES:

1. REFER TO DRAWING S0200-A1 FOR ANTENNA SYSTEM CONFIGURATION.
2. REFER TO DRAWING S0200-G1 FOR STRUCTURAL CERTIFICATION NOTES.
3. REFER TO DRAWING S0200-G3 FOR ADDITIONAL NOTES.
4. MONOPOLE AND EQUIPMENT FINISHED IN NON-REFLECTIVE PALE EUCALYPT GREEN.
5. ALL ACTIVITIES COMPLIED WITH APPROVAL DA9975, AND SUPPORTING DOCUMENTATION PREPARED BY ASSET GEOTECHNICAL (GEOTECHNICAL ASSESSMENT AND "FORM 4") AND ECO LOGICAL (SITE ENVIRONMENTAL MANAGEMENT PLAN, BIODIVERSITY DEVELOPMENT ASSESSMENT REPORT AND ABORIGINAL HERITAGE DUE DILIGENCE ASSESSMENT).

NOTE:
 1. EXISTING OPTUS U9 OMNI ANTENNAS TO BE MIGRATED TO S2. ADDITIONAL 1 x AVA5-50 FEEDER.
 2. EXISTING OPTUS U21 MHA (1-OFF) TO BE MOVED FROM S2 TO S3.
 3. PROPOSED STEELWORKS AND ANTENNAS TO BE COLOUR MATCHED 'PALE EUCALYPT' OR EQUIVALENT.

**RSD-4 SB.1 (Axicom Colocation)
 RLMs 23/02/2022**

NOTE:
 THIS DRAWING IS DIAGRAMMATIC ONLY AND NOT SCALED.



SOUTH EASTERN ELEVATION
 SCALE 1:200
 (CHAIRLIFT STATION IN FOREGROUND OMITTED FOR CLARITY)

AB	29.07.21	AS BUILT (REGIONAL UG)	LENLELEASE	SRS	XX	XX	XX
C	25.03.21	ELEVATION & NOTES AMENDED & ISSUED FOR CONSTRUCTION	LENLELEASE	AB	AQ	SK	SK
B	20.07.20	ISSUED FOR CONSTRUCTION	AXICOM	ADC	GJF	GL	GS
A	30.01.19	FOR CONSTRUCTION	DALY	BRS	SC	DI	CT
AB	22.01.09	AS BUILT	DALY	DI	JM	DI	CT
Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier	Approver



Client:
OPTUS

Project:
MOBILE NETWORK AUSTRALIA
SITE No:- S0200 THREDBO
CRACKENBACK UPPER LIFT STATION

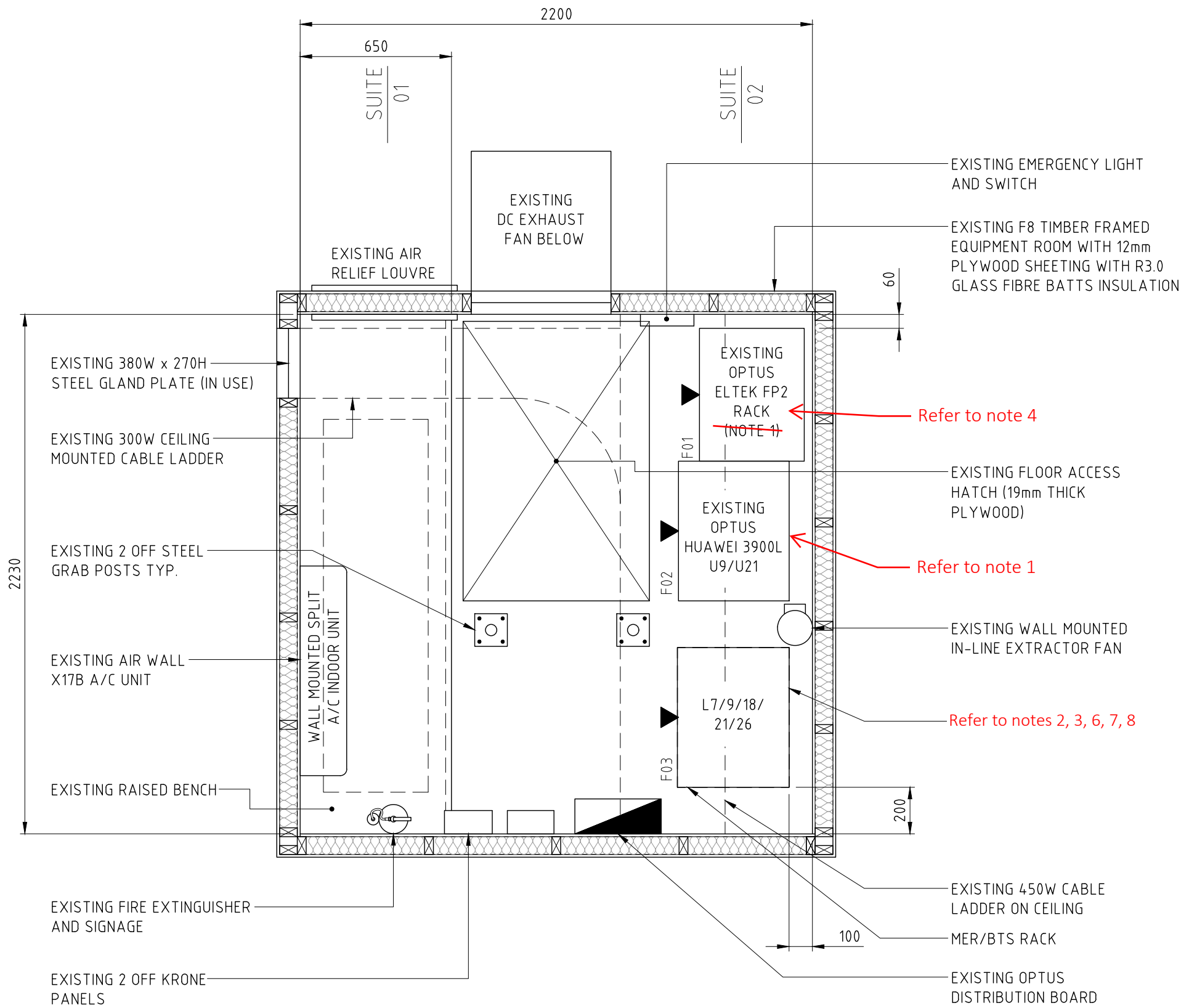
Drawing Title:
SITE ELEVATION

Drawing Status:
AS BUILT

Drawing No.
S0200-G4

Revision
AB

CAD File: W:\5. Upgrade\S0200_Thredbo\Phase 4\CAD Folder\2 Internal CAD (Do not send)\361363_S0200_UG_Metro Upgrade Optus Only



EQUIPMENT ROOM PLAN
SCALE 1:20

Notes:

Equipment upgrade:

1. Optus 3G Huawei equipment U9 and U21 to remain as is.
2. Reuse existing 2x Ericsson BBU6630 for L7/9, L18/21, L26 RRU.
3. Install new 2x Ericsson BBU6630 for NR35 AAU. Power up from existing DCU 20A CB

PSU

4. Existing Optus Eltek FP2 16kW PSU with 6x 2kW rectifiers and 3x LPFG12-100 hs battery strings to be reused. 5 battery strings cannot be installed due to space constraint in the custom shelter.
5. Optus approval number: PAN202112081609.15

iDCDP

6. Existing 15-way iDCDP to be reused for Optus L26, L7/9, L18/21.
7. Install new 1x 15-way iDCDP for Optus NR35. Connect Feeds to PSU VIA 125A CB. relocate APDP CB on PSU to spare 63A CB. Install 3x 40A CB for NR35

Hybrid Cable

8. Reuse 2x existing 6/12 6mm trunk cables for all RRU and AAU use only. Length is 40m.
9. All external alarms (Environmental etc.) to be migrated from UMTS to LTE BBU
10. All 3G controlled RET's to be migrated to 4G RRU as required
11. Remove Krone panel, install RJ45 patch panel and migrate all alarms to patch panel

AC upgrade

12. Existing supply is 20A 3 phase and is required to be upgraded to 32A 3 phase for 5G upgrade works

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B	20.07.20	ISSUED FOR CONSTRUCTION	AXICOM	ADC	GJF	GL	GS
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Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier	Approver



Client:
MOBILE NETWORK AUSTRALIA
SITE No:- S0200 THREDBO
CRACKENBACK UPPER LIFT STATION

Drawing Title:
EQUIPMENT ROOM LAYOUT SHEET 1 OF 3

Drawing Status: **AS BUILT**
Drawing No. **S0200-F1**
Revision **AB**