

**HATCHING LEGEND**

	AREA OF NEW WORKS	134,500 m <sup>2</sup>
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TOTAL SITE STORAGE	360,000 †
TOTAL OPEN STORAGE	360,000 †
TOTAL SEALED STORAGE	0 †
<b>TOTAL INCREASE IN STORAGE</b>	<b>180,000 †</b>

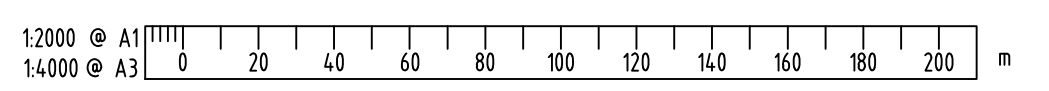
**DRAWING LEGEND**

	TRAFFIC MOVEMENTS - TRUCKS FULL
	TRAFFIC MOVEMENTS - TRUCKS EMPTY
	LOT BOUNDARIES
	CBH SITE BOUNDARY
	OVERHEAD POWER LINES
	PROPOSED CULVERTS
	PROPOSED OPEN DRAINS
	PROPOSED DRAINAGE BASIN
	EPA INDUSTRIAL/SENSITIVE LAND USE SEPARATION DISTANCE - 500m RADIUS

**STORAGE CAPACITIES**

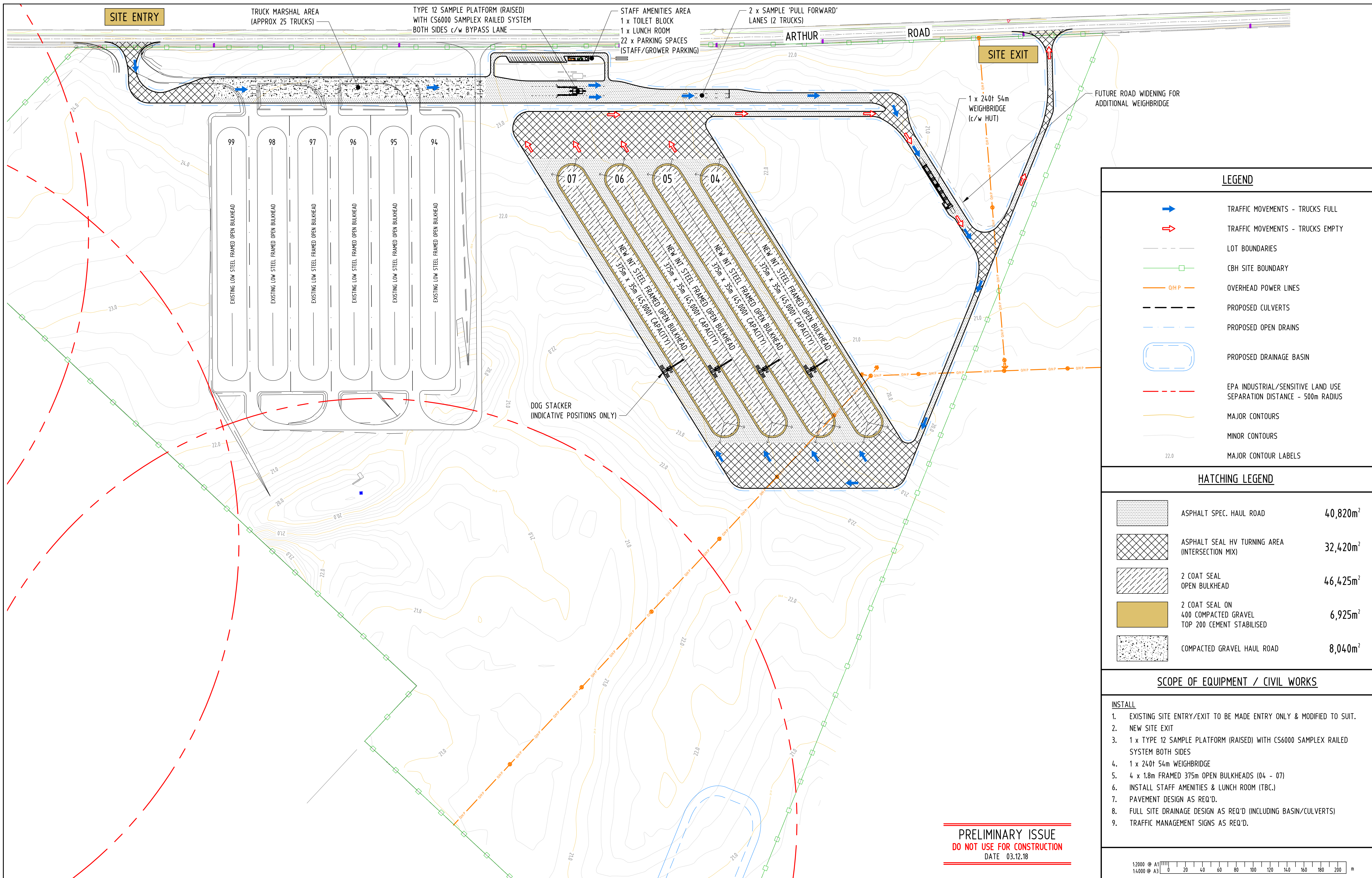
EXISTING SITE STORAGE		
LOW STEEL FRAME OBH (TEMPORARY)	(94)	30,000†
LOW STEEL FRAME OBH (TEMPORARY)	(95)	30,000†
LOW STEEL FRAME OBH (TEMPORARY)	(96)	30,000†
LOW STEEL FRAME OBH (TEMPORARY)	(97)	30,000†
LOW STEEL FRAME OBH (TEMPORARY)	(98)	30,000†
LOW STEEL FRAME OBH (TEMPORARY)	(99)	30,000†
TOTAL EXISTING STORAGE		180,000†
PROPOSED SITE STORAGE		
INT STEEL FRAME OBH	(04)	45,000†
INT STEEL FRAME OBH	(05)	45,000†
INT STEEL FRAME OBH	(06)	45,000†
INT STEEL FRAME OBH	(07)	45,000†
TOTAL PROPOSED STORAGE		180,000†

**PRELIMINARY ISSUE**  
 DO NOT USE FOR CONSTRUCTION  
 DATE 09.11.18



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		DO NOT SCALE FROM THIS DRAWING	REF. DRG. No. REFERENCE DRAWING TITLE	REV. DATE REVISIONS BY CHK'D APP'D	NORTH POINT	APPROVED	APPROVED





**LEGEND**

- TRAFFIC MOVEMENTS - TRUCKS FULL
- TRAFFIC MOVEMENTS - TRUCKS EMPTY
- LOT BOUNDARIES
- CBH SITE BOUNDARY
- OVERHEAD POWER LINES
- PROPOSED CULVERTS
- PROPOSED OPEN DRAINS
- PROPOSED DRAINAGE BASIN
- EPA INDUSTRIAL/SENSITIVE LAND USE SEPARATION DISTANCE - 500m RADIUS
- MAJOR CONTOURS
- MINOR CONTOURS
- MAJOR CONTOUR LABELS

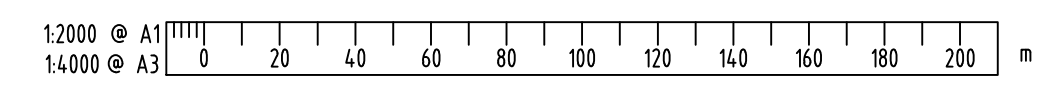
**HATCHING LEGEND**

	ASPHALT SPEC. HAUL ROAD	40,820m <sup>2</sup>
	ASPHALT SEAL HV TURNING AREA (INTERSECTION MIX)	32,420m <sup>2</sup>
	2 COAT SEAL OPEN BULKHEAD	46,425m <sup>2</sup>
	2 COAT SEAL ON 400 COMPACTED GRAVEL TOP 200 CEMENT STABILISED	6,925m <sup>2</sup>
	COMPACTED GRAVEL HAUL ROAD	8,040m <sup>2</sup>

**SCOPE OF EQUIPMENT / CIVIL WORKS**

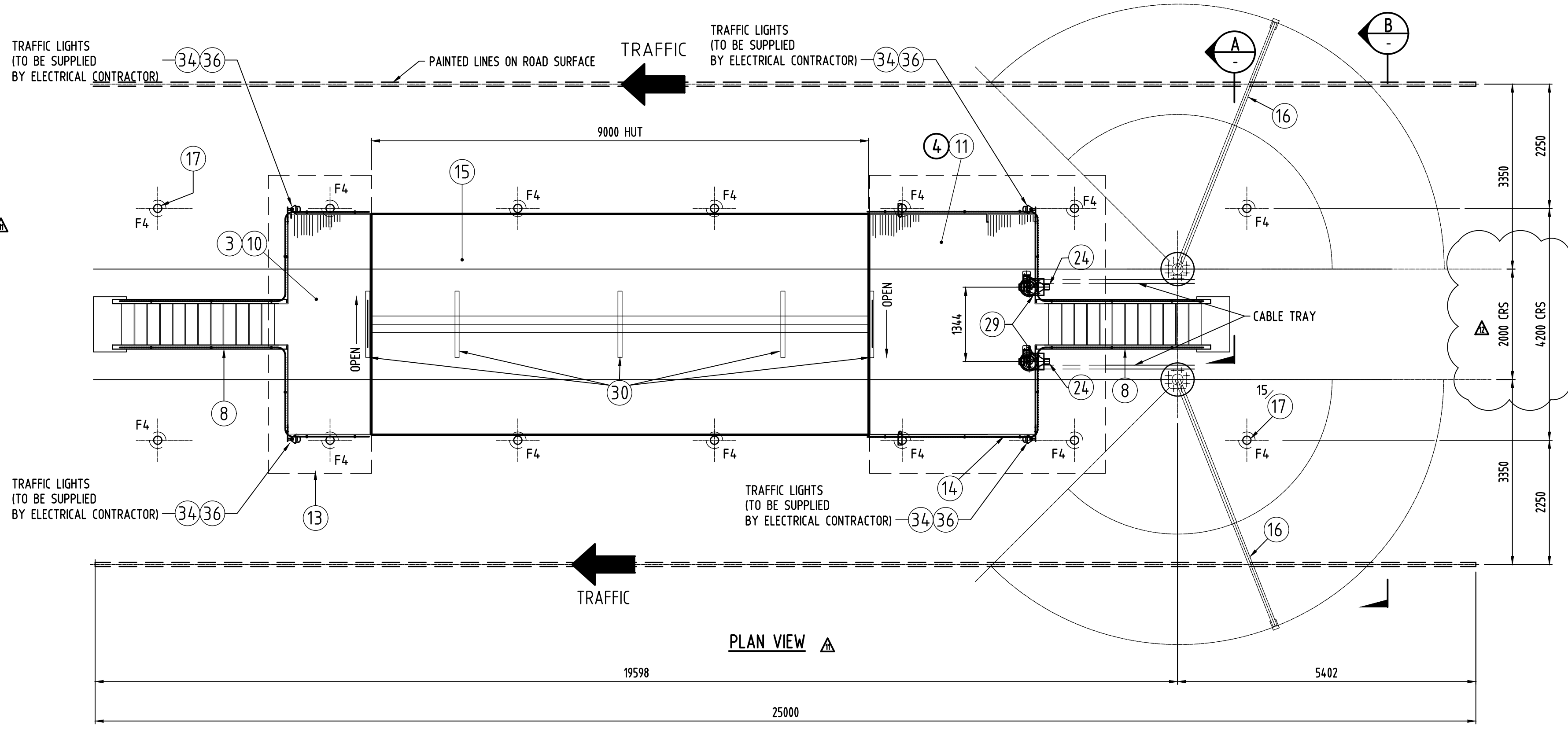
- INSTALL**
- EXISTING SITE ENTRY/EXIT TO BE MADE ENTRY ONLY & MODIFIED TO SUIT.
  - NEW SITE EXIT
  - 1 x TYPE 12 SAMPLE PLATFORM (RAISED) WITH CS6000 SAMPLEX RAILED SYSTEM BOTH SIDES
  - 1 x 24.0t 54m WEIGHBRIDGE
  - 4 x 1.8m FRAMED 375m OPEN BULKHEADS (04 - 07)
  - INSTALL STAFF AMENITIES & LUNCH ROOM (TBC.)
  - PAVEMENT DESIGN AS REQ'D.
  - FULL SITE DRAINAGE DESIGN AS REQ'D (INCLUDING BASIN/CULVERTS)
  - TRAFFIC MANAGEMENT SIGNS AS REQ'D.

**PRELIMINARY ISSUE**  
 DO NOT USE FOR CONSTRUCTION  
 DATE 03.12.18

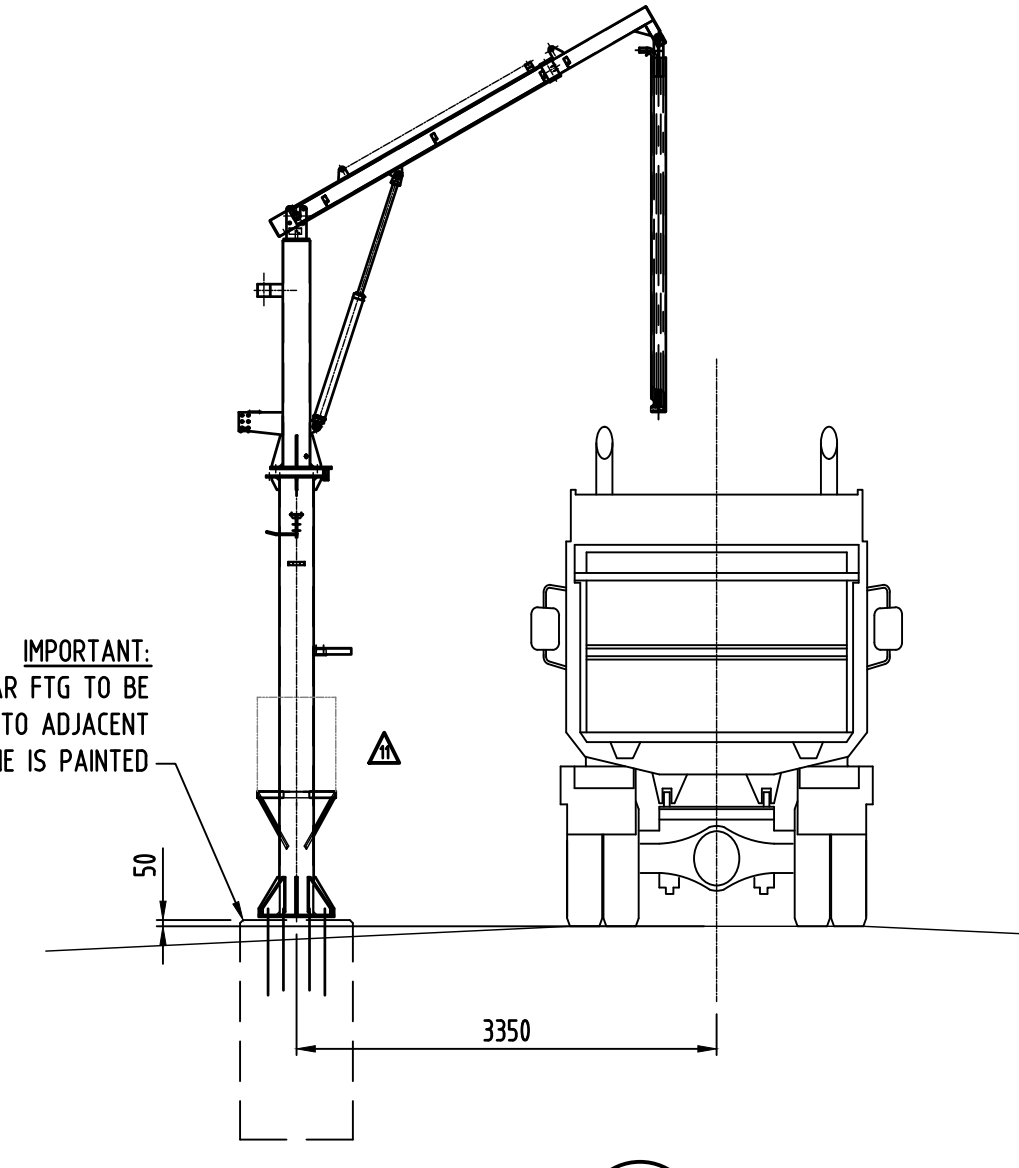


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		DO NOT SCALE FROM THIS DRAWING	REV      DATE      REVISIONS	NORTH POINT	PROJECT <b>M-2602</b>	DRAWING NO. <b>2018-307-0070</b>	REV. <b>A</b>				

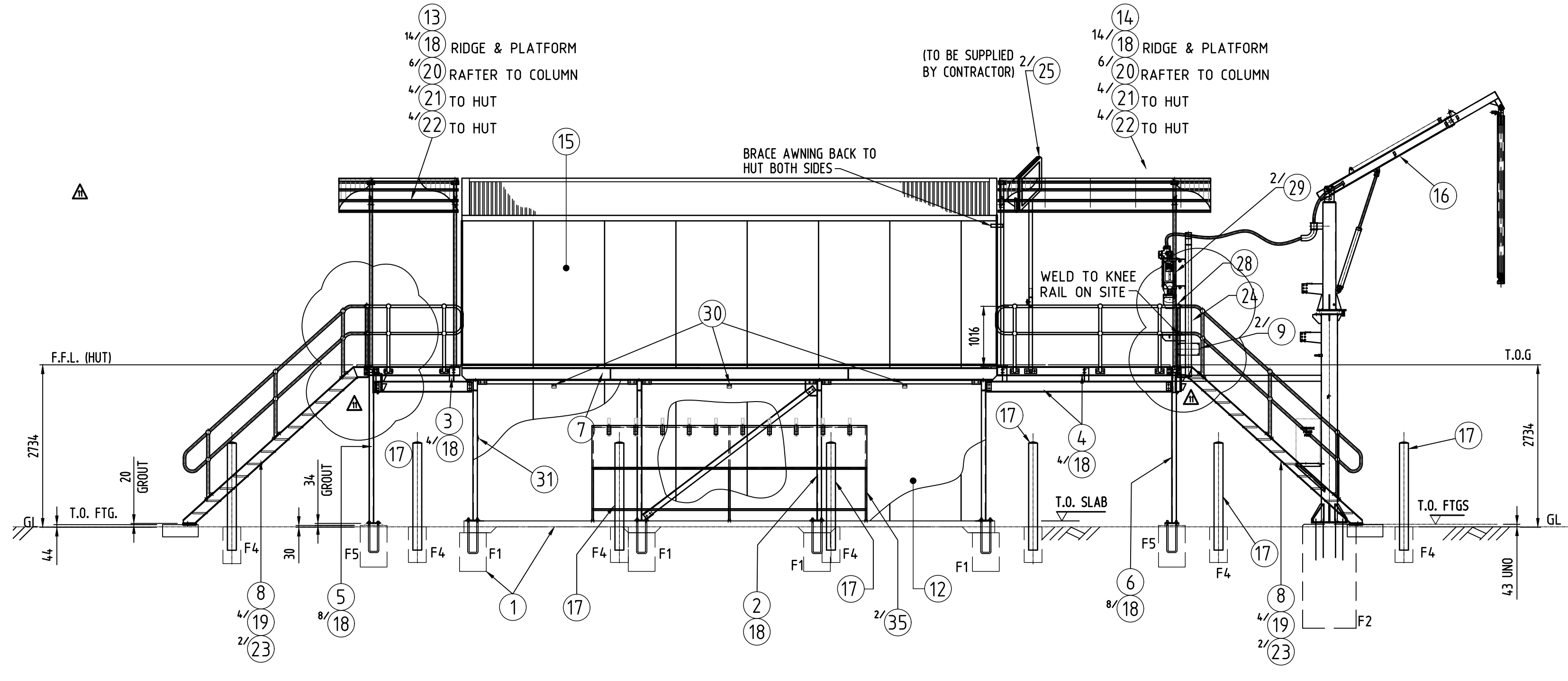




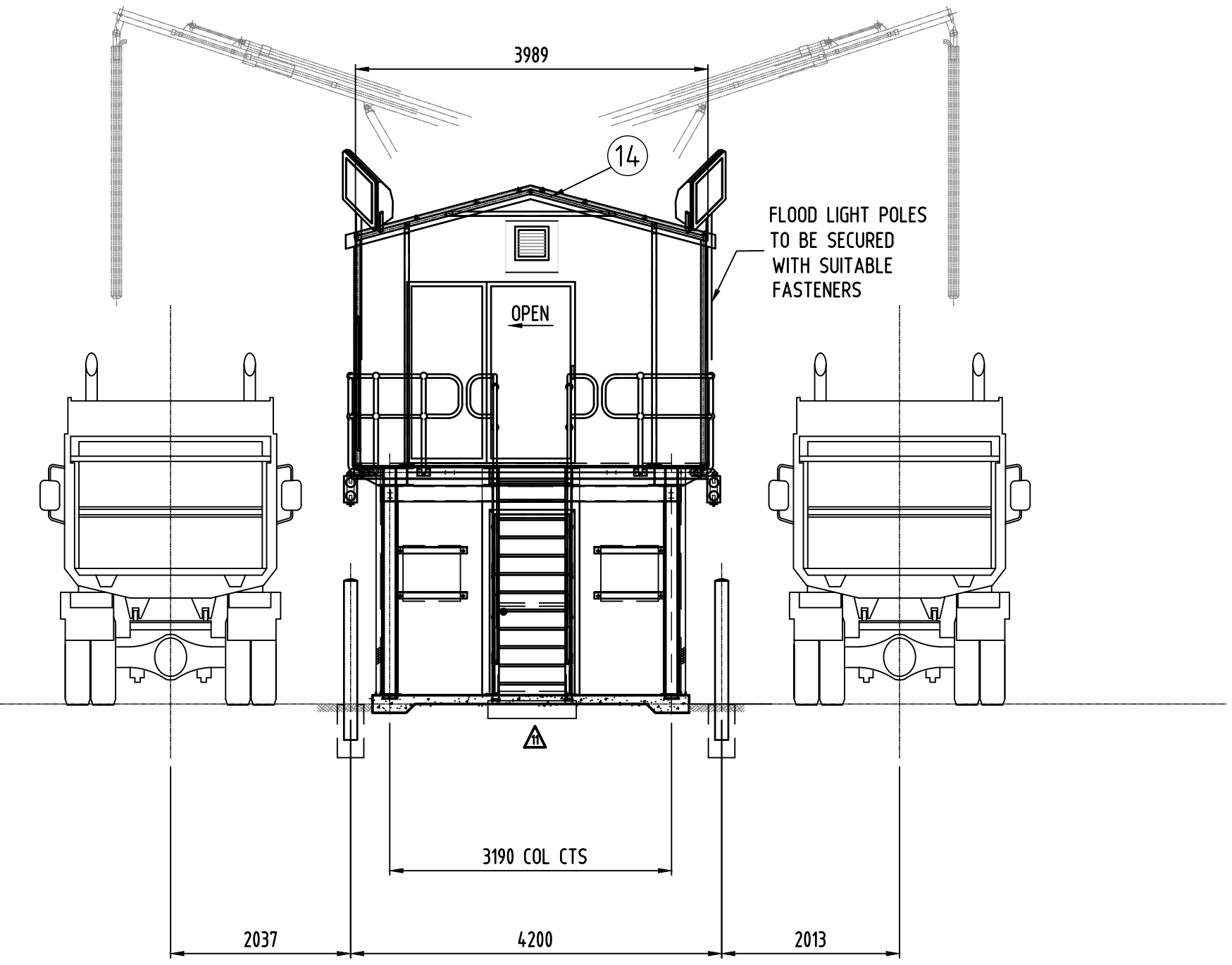
IMPORTANT:  
TOP OF SAMPLE SPEAR FTG TO BE  
MEASURED IN RELATION TO ADJACENT  
ROAD LEVEL, WHERE LINE IS PAINTED



SECTION A  
1:25



TYPE 11 SAMPLE HUT-ELEVATION



VIEW B  
(HYDRAULIC SAMPLER NOT SHOWN FOR CLARITY)

PART NO	DESCRIPTION	NO	MASS (kg)	SUPPLIER OR C.B.H. PART NO
1	FOOTING LAYOUT AND DETAILS	1		STD-101-0001
2	SAMPLE HUT SUPPORT STRUCTURE	1		STD-101-0002-01
3	ACCESS PLATFORM	1		STD-101-0003-01
4	SAMPLING PLATFORM	1		STD-101-0003-02
5	ACCESS PLATFORM SUPPORT	1		STD-101-0004-01
6	SAMPLING PLATFORM SUPPORT	1		STD-101-0004-02
7	SAMPLE HUT FLOOR FRAME	1		STD-101-0011-01
8	ACCESS STAIR	2		STD-101-0005-01
9	VACUUM BOX	2		S-028-A0017
10	ACCESS PLATFORM GRATING	1		STD-101-0005-02
11	SAMPLING PLATFORM GRATING	1		STD-101-0005-03
12	UNDER SAMPLE HUT STORE	1		STD-101-0007
13	ACCESS PLATFORM AWNING	1		STD-101-0009-01
14	SAMPLING PLATFORM AWNING	1		STD-101-0008-01
15	SAMPLE SHED 9m x 4m (BY OTHERS)	1		STD-101-0006
16	HYDRAULIC SAMPLER	2		S-028-A0000
17	BOLLARD	14		STD-101-0001
18	M16 x 45 BOLT C/W NUT & WASHER	60		GRADE 8.8
19	M16 x 40 BOLT C/W NUT & WASHER	8		GRADE 8.8
20	M16 x 90 BOLT C/W NUT & WASHER	12		GRADE 8.8
21	M12 x 110 BOLT C/W NUT & WASHER	8		GRADE 8.8
22	M12 x 40 BOLT C/W NUT & WASHER	8		GRADE 8.8
23	M16 EPOXY SET CHEMICAL ANCHORS	4		100 MM. EMBEDMENT
24	SAMPLING BLENDER SUPPORT POST	2		STD-101-0010-01
25	FLOODLIGHT & POST DETAILS	2		STD-101-0012
26	NOT USED			
27	NOT USED			
28	PENDENT HOLDER	2		S-028-A0015
29	SAMPLE BLENDER	2		S-004-A0000
30	1200mm x TWIN 36 WATT WEATHERPROOF FLUORESCENT LIGHT C/W MESH	5		
31	LIGHT SWITCH	1		
32	32 NB MED. ANGLE CLOSURE BEND (ACB)	2 B/S		STD-101-0005-04
33	*** NOT USED ***			
34	TRAFFIC LIGHT BRACKET	4		STD-101-0017-01
35	GSS BENCH	2		S-081-0060
36	100mm R&G LED TRAFFIC LIGHTS	4		REFER TO T56

- GENERAL NOTES
- ALL STEELWORKS, WELDING & FABRICATION TO CONFORM WITH CURRENT S.A.A. CODES AS1554 CAT SP
  - ALL WELDS TO BE 6 FILLET UNLESS NOTED AND 3 FILLET ON 3 PL.
  - REMOVE ALL BURRS & SHARP EDGES.
  - SURFACE TREATMENT: AS PER BULKWEST SPEC.
  - NO TREATMENT TO INSIDE REQ'D.
  - ALL HOLES Ø14 TO SUIT M12 HEX. HEAD BOLT GR. 4.6 U.N.O.

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CBH GROUP HEAD OFFICE  
30 DELHI STREET  
WEST PERTH  
W.A. 6005  
PH (08) 9237 9600  
FAX (08) 9322 3942  
DO NOT SCALE FROM THIS DRAWING - ASK !!!

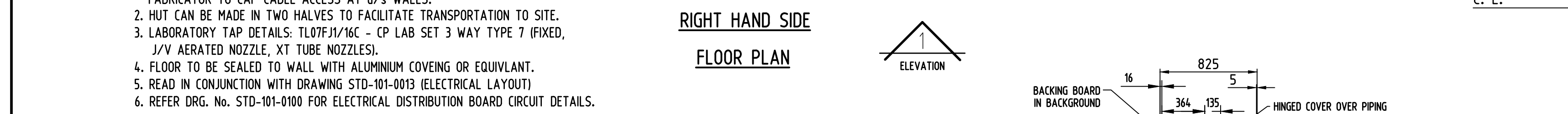
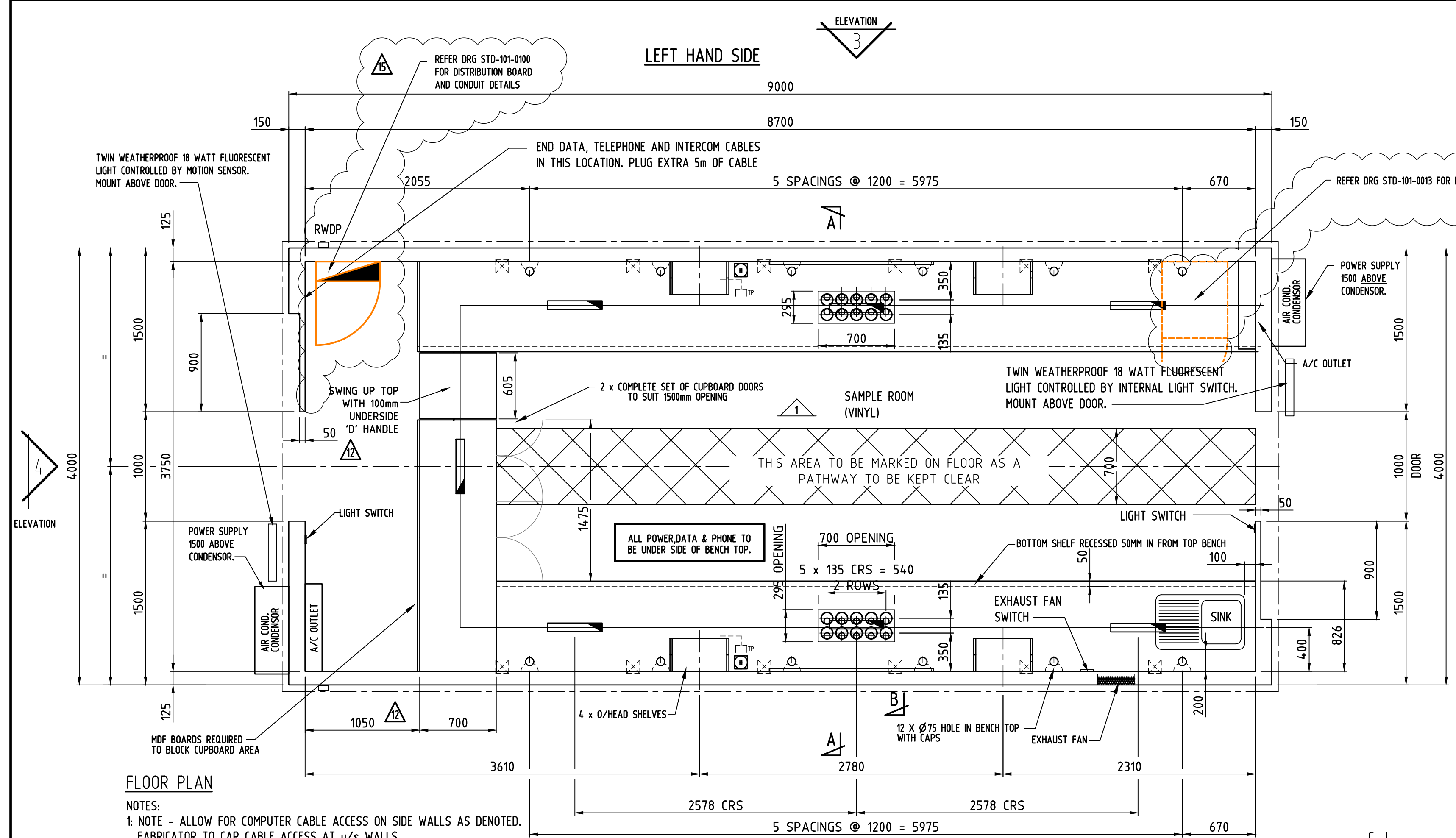
REV	DATE	REVISIONS	BY	CHK'D	APP'D
10	25.01.2018	MATERIAL LIST UP-DATED	VP	DD	PC
9	07.09.17	GSS BENCH ADDED & ITEM 36 TRAFFIC LIGHT	VP	AME	PC
8	03.05.2017	SECOND STAIRWAY ADDED	TTW	DD	DD
12	19.06.18	MOVED SPEAR CRS FROM 1550 TO 2000	VP	P.K.	P.K.
11	20.03.18	CHANGED STAIRS & REMOVED NOTES	DMS	DD	PC
0	30.08.09	ISSUED FOR CONSTRUCTION	J.D.	P.B.	E.M.

DESIGNED	BULKWEST	2009
DES. CHECK	J.D'cruze	02.08.09
DRAWN	E.Martin	27.08.09
CHECKED	B.W.E.	2009
APPROVED		

DRAWING TITLE  
**HYDRAULIC SAMPLE PLATFORM  
TYPE 11 - SAMPLE HUT  
GENERAL ARRANGEMENT**

SITE	VARIOUS	SHEET SIZE	A1
PROJECT	TYPE 11 SAMPLE HUT	REV.	12
DRAWING NO	STD-101-0000		

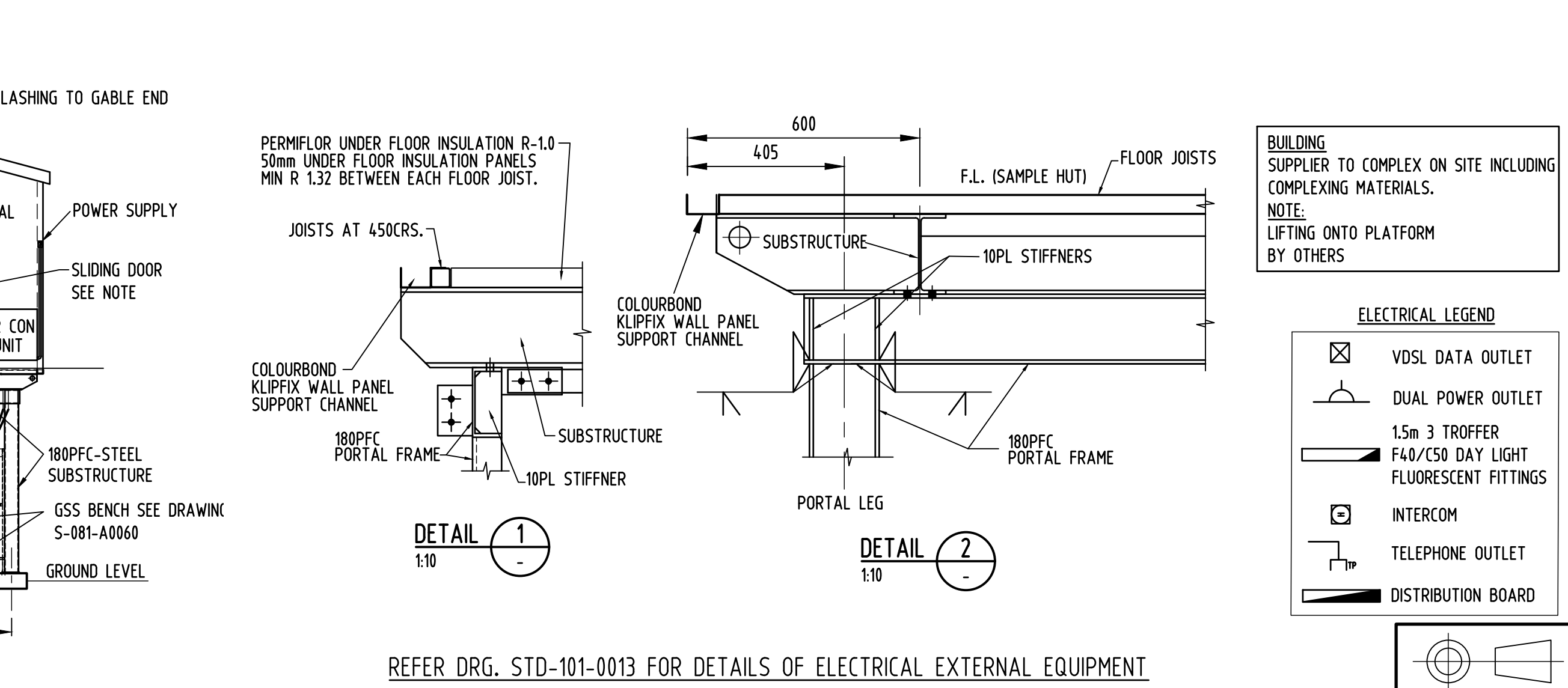
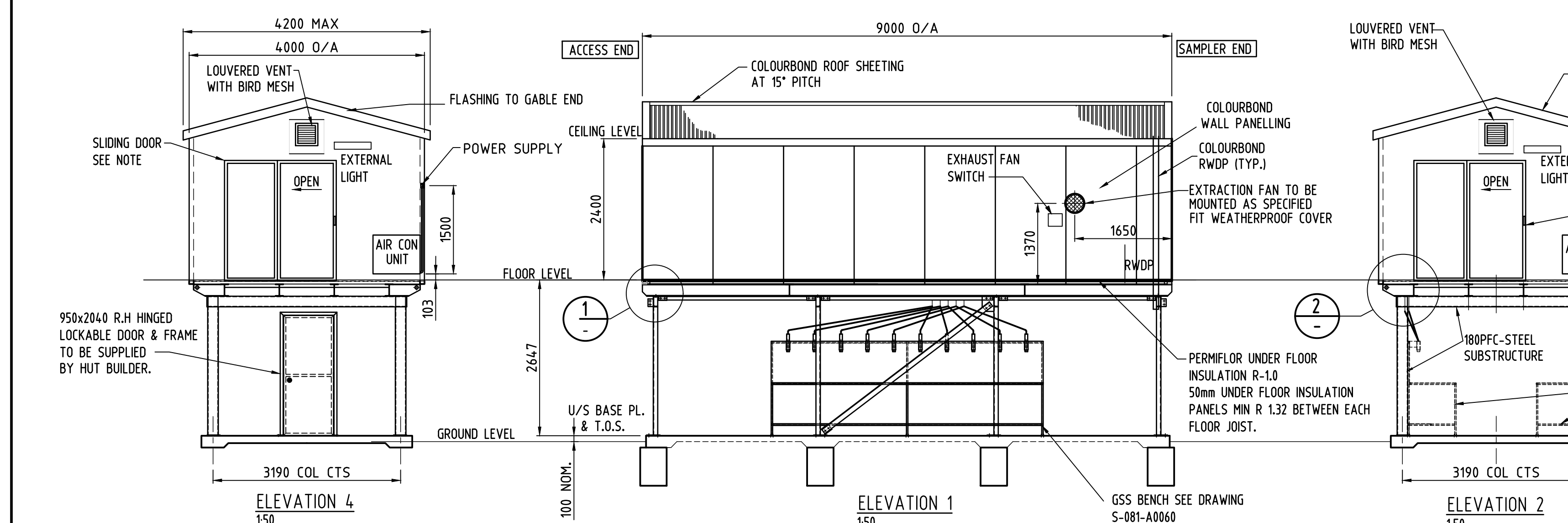
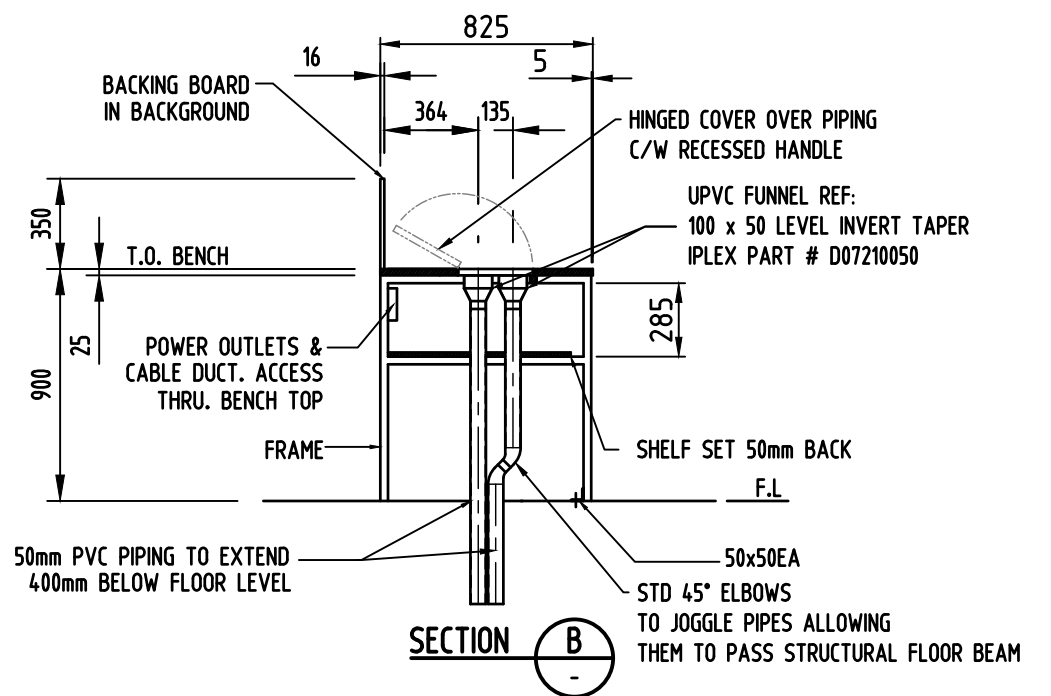
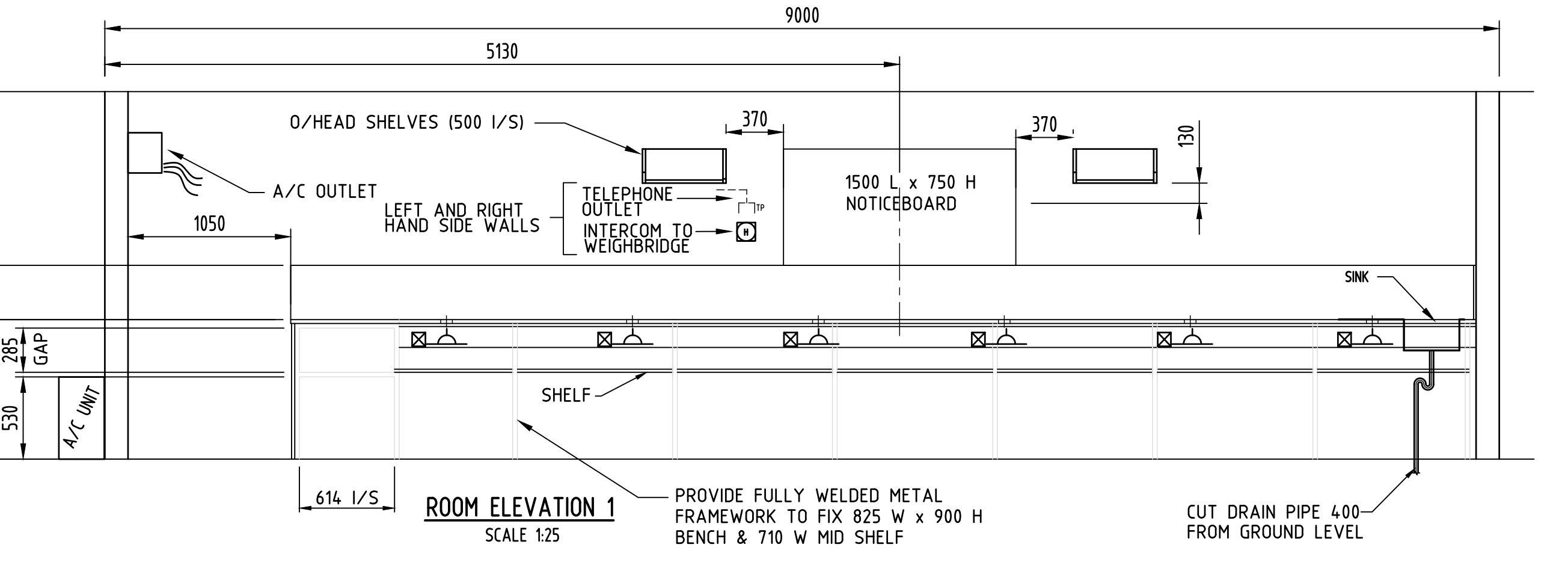
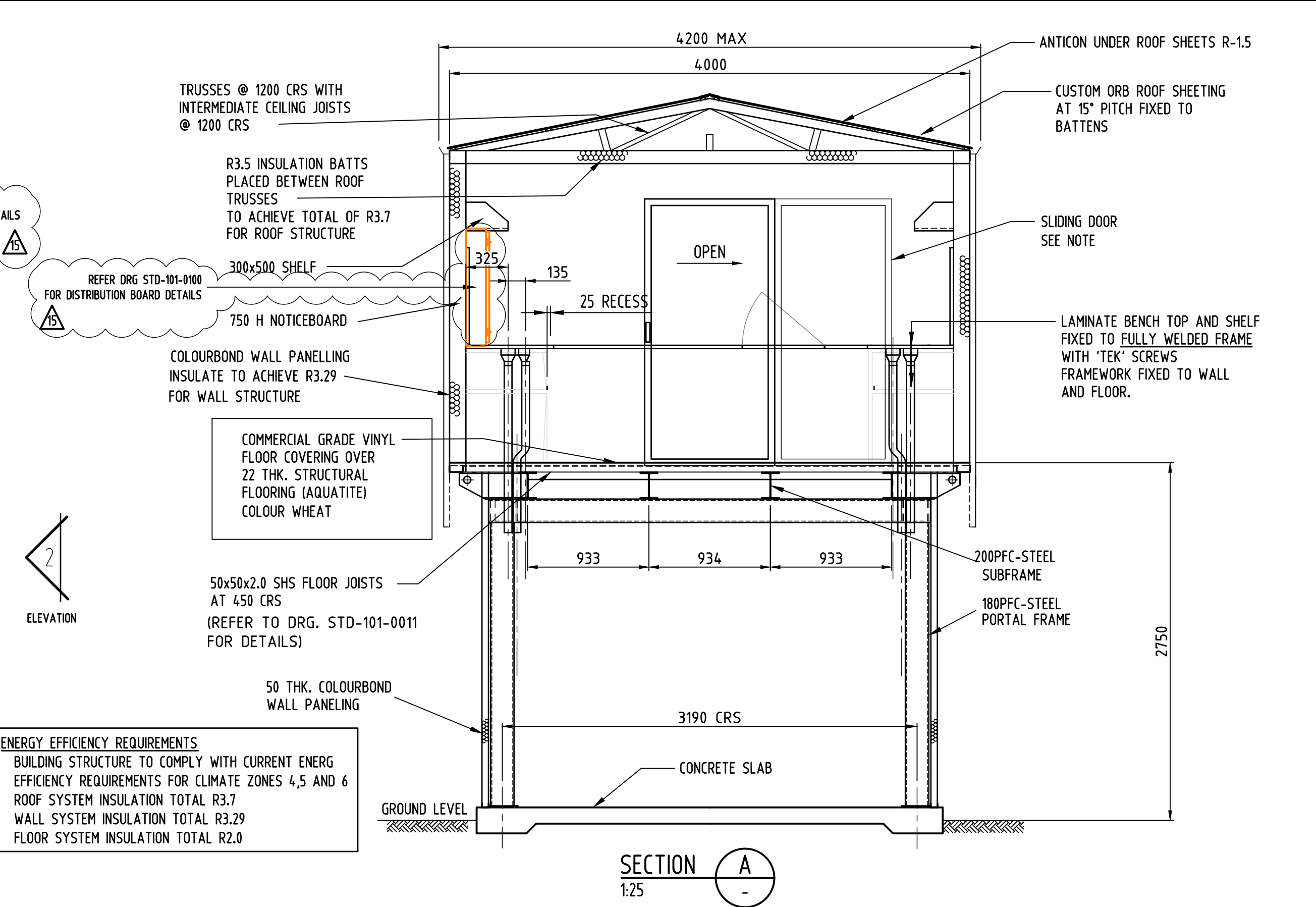




- FLOOR PLAN NOTES:**
- NOTE - ALLOW FOR COMPUTER CABLE ACCESS ON SIDE WALLS AS DENOTED. FABRICATOR TO CAP CABLE ACCESS AT u/s WALLS.
  - HUT CAN BE MADE IN TWO HALVES TO FACILITATE TRANSPORTATION TO SITE.
  - LABORATORY TAP DETAILS: TL07FJ/16C - CP LAB SET 3 WAY TYPE 7 (FIXED), J/V AERATED NOZZLE, XT TUBE NOZZLES.
  - FLOOR TO BE SEALED TO WALL WITH ALUMINIUM COVERING OR EQUIVALENT.
  - READ IN CONJUNCTION WITH DRAWING STD-101-0013 (ELECTRICAL LAYOUT)
  - REFER DRG. No. STD-101-0100 FOR ELECTRICAL DISTRIBUTION BOARD CIRCUIT DETAILS.

**NOTE**  
AIR CONDITIONER TO BE 1.5kW REVERSE CYCLE SPLIT INVERTER SYSTEM. TWO REQUIRED PER SAMPLE HUT.  
**IMPORTANT**  
AIR CONDITIONER TO BE MOUNTED TO SMPLE HUT.  
PRE-WIRED AND COMMISSIONED BEFORE SENDING TO SITE.

**SLIDING DOOR NOTE:**  
FRONTLINE WINDOWS' DOOR: +J1 2090-1900 151F SECURITY SLIDING DOOR OBTAINED WITH ULTRA-VISION ES 0.38 FILM



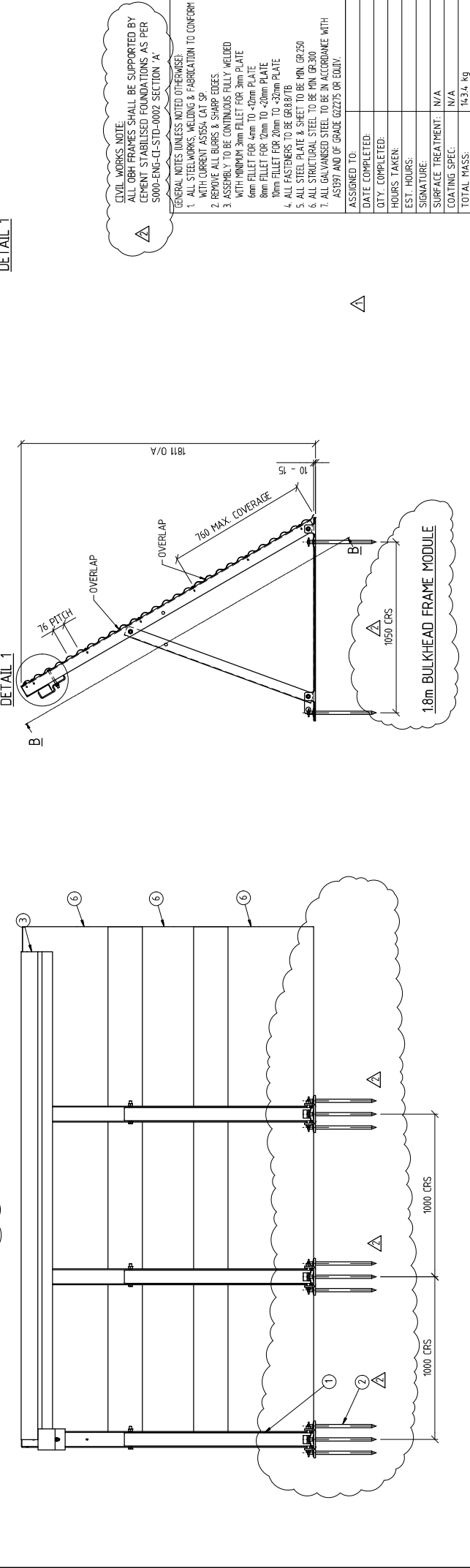
**BUILDING SUPPLIER TO COMPLEX ON SITE INCLUDING COMPLEXING MATERIALS. NOTE: LIFTING ONTO PLATFORM BY OTHERS**

**ELECTRICAL LEGEND**

	VDSL DATA OUTLET
	DUAL POWER OUTLET
	1.5m 3 TROFFER
	F40/CS0 DAY LIGHT FLUORESCENT FITTINGS
	INTERCOM
	TELEPHONE OUTLET
	DISTRIBUTION BOARD

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ITEM No	DESCRIPTION	WIDTH	LENGTH	QTY	CBH DRG OR SUPPLIER PART No	PROCESS	SAP Code	MASS Kg	TO DETAIL	SURFACE TREATMENT	COATING SPEC.
1	1.8m O.B.H FRAME ASSEMBLY	300	420	3	S-119-A0000	FITTING	N/A	36.5	Yes	N/A	N/A
2	ODX 20-STAKE	300	3000	9	S-014-A0000	FIELD KIT	TBA	1.1	Yes	GALVANIZE	N/A
3	1.6PL PGL	130	257	1	S-119-P0011	FAB SHEET	108015	11.4	Yes	N/A	N/A
4	6PL	75	3000	1	S-119-P0012	FAB PROFILE	107901	16	Yes	GALVANIZE	N/A
5	TIMBER SAWY-KARRI-STRIPS-75MMx50MMx3M	75	3000	3	S-119-P0014	FITTING	108594	6.2	No	N/A	N/A
6	CUSTOM O.B.H. ZINC ALUMINE-0.468mm		3200	3	ROOFMART	FITTING	102860	14	No	N/A	N/A
7	SCREW HE-TEK HEX 14-20x22mm WITH SEAL			7		FIELD KIT	501922	0.0	No	ZP	N/A
8	M10 x 120 GALV BOLT			1		FIELD KIT	109251	0.1	No	N/A	N/A
9	M10 GALV NUT			1		FIELD KIT	109251	0.0	No	N/A	N/A
10	M10 GALV FW			1		FIELD KIT	10164	0.0	No	N/A	N/A
11	O.B.H CONSTRUCTION SPECS. 2009			1	DOC'S #70663	FIELD KIT			No	N/A	N/A



**CIVIL WORKS NOTE:**  
ALL O.B.H FRAMES SHALL BE SUPPORTED BY CEMENT STABILISED FOUNDATIONS AS PER S000-ENG-CL-STD-0002 SECTION 'A'

**GENERAL NOTES (UNLESS NOTED OTHERWISE):**  
1. ALL STEEL WORKS WELDING & FABRICATION TO CONFORM WITH CURRENT ASSESS CAT SP  
2. REMOVE ALL BURRS & SHARP EDGES  
3. ASSEMBLY TO BE CONTINUOUS FULLY WELDED WITH MINIMUM 3mm FILLET FOR 3mm PLATE  
4. ALL FASTENERS TO BE GR8.8/7B  
5. ALL STEEL PLATE & SHEET TO BE MIN. GR250  
6. ALL STRUCTURAL STEEL TO BE MIN. GR300  
7. ALL GALVANISED STEEL TO BE IN ACCORDANCE WITH AS1997 AND OF GRADE G3275 OR EQUIV.

**ASSIGNED TO:**  
DATE COMPLETED:  
QTY. COMPLETED:  
HOURS TAKEN:  
EST. HOURS:  
SIGNATURE:  
SURFACE TREATMENT: N/A  
COATING SPEC: N/A  
TOTAL MASS: 143.4 kg

**DRAWING TITLE:** 1.8m PORTABLE BULKHEAD (TIMBER LOCK)  
**FLAT BOTTOM FRAME TARP CLAMPING, TENSIONING GENERAL ARRANGEMENT**

**REVISIONS:**

NO	DATE	BY	CHK	APP	REVISIONS
1	31/10/2017	PC			APPROVED

**CBH GROUP HEAD OFFICE**  
30 DELLS STREET WEST PERTH WA 6005  
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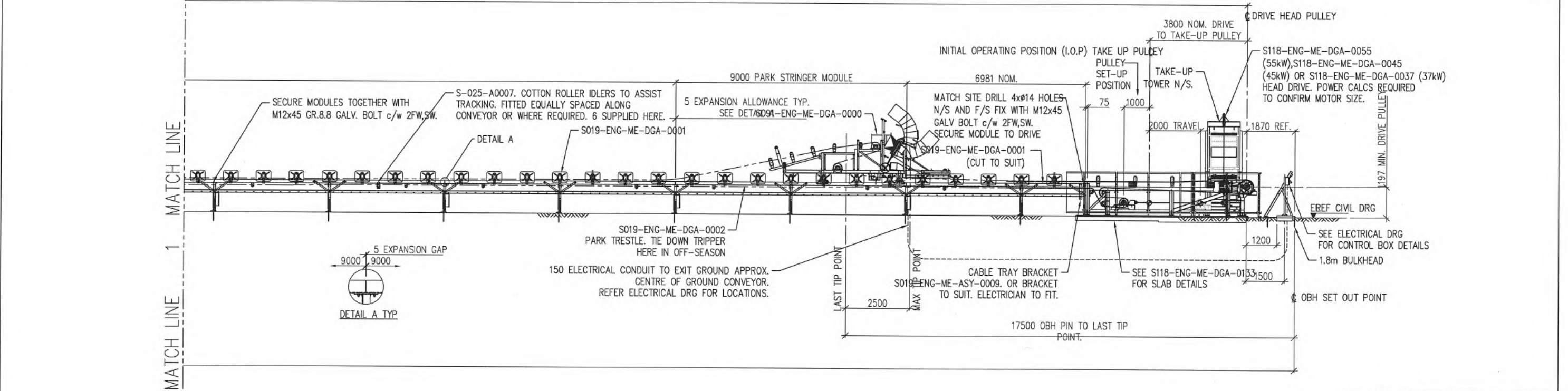
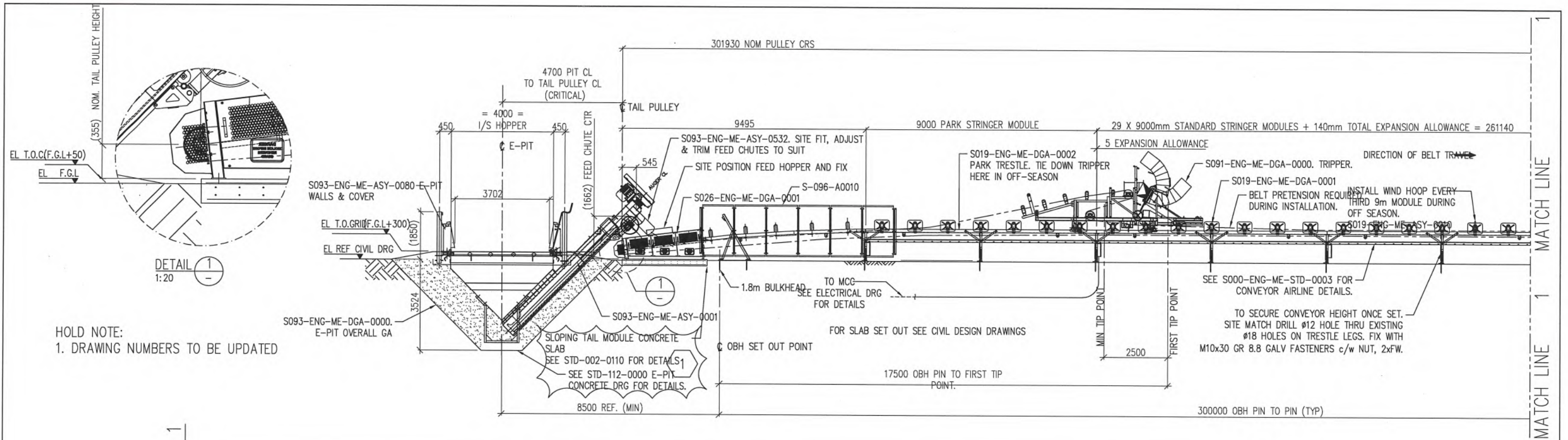
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**PROJECT:** S-119-A0000  
**SHEET:** 1 OF 2





HOLD NOTE:  
1. DRAWING NUMBERS TO BE UPDATED

NOTE  
ALL CONVEYOR TAKE UP MASS AND POWER REQUIREMENTS TO BE A SITE SPECIFIC CALCULATION WITH CONSIDERATIONS FOR CIVIL DESIGN R.I.'S.

ADDITIONAL EQUIPMENT TO CONSIDER  
\* 8FT SQUARE STORAGE CUBE, RWT-NMD-HS267-001.  
\* COMPRESSOR-INGERSOL RAND TYPE 30 COMPRESSOR 2475C7-8, 5.5kW 21CFM C/W 230L AIR RECEIVER.

BELT LENGTH CALCULATION TO BE CARRIED OUT PRIOR TO ORDERING

ELEVATION TYPICAL CLS GROUND CONVEYOR TO SUIT 300m 1.8m BULKHEAD C/W SLOPING TAIL FEED ON

CONVEYOR BELT	
SPEED	3.9 m/s
WIDTH	900 mm
DESIGNATION	EP600-3PLY
RATING	RUN/START - kW
TAPE LENGTH	615m + 3m SPLICE = 618
THICKNESS	MIN. 8.1 mm
TOP COVER/BOTTOM COVER	3.5/3.5mm
COVER GRADE	AS 1333 E GRADE
MASS	9.5 kg/m

CONVEYOR DATA	
CAPACITY	500 tph
CAPACITY MAX. FUTURE	- tph
LIFT (EFFECTIVE)	- m
WEIGHT REQ'D FOR G.T.U. TO BE CALCULATED	kg
MATERIAL	WHEAT
BULK DENSITY	770 kg/m <sup>3</sup>
SURCHARGE ANGLE	10°
POWER DEMAND	TO BE CALCULATED kW
POWER INSTALLED	55, 45 OR 37 kW

DRIVE CONFIGURATION	
MOTOR:	TECO MAXe3 015/H0055DD4R-Ext'd
- POWER	55 kW
- SPEED	1485 rpm
- FRAME	250SC-V
DRIVE PULLEY:	ø530 mm
GEARBOX:	BONFIG-A803 UH90 P250-70 10.5 B3 TA

DRIVE CONFIGURATION	
MOTOR:	TECO MAXe3 015/H0045DD4R-Ext'd
- POWER	45 kW
- SPEED	1480 rpm
- FRAME	225SC-V
DRIVE PULLEY:	ø530 mm
GEARBOX:	BONFIG-A803 UH90 P225 10.7 B3 TA

DRIVE CONFIGURATION	
MOTOR:	TECO MAXe3 015/H0037DD4R-Ext'd
- POWER	37 kW
- SPEED	1480 rpm
- FRAME	225SC-V
DRIVE PULLEY:	ø530 mm
GEARBOX:	BONFIG-A803 UH90 P225 10.7 B3 TA

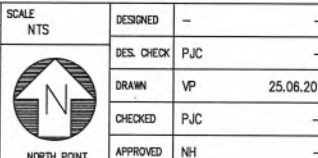
- GENERAL NOTES (UNLESS NOTED OTHERWISE):
- ALL STEELWORKS, WELDING & FABRICATION TO BE WITH AS1554 CAT SP.
  - REMOVE ALL BURRS & SHARP EDGES.
  - ASSEMBLY TO BE CONTINUOUS FULLY WELDED WITH MINIMUM 3mm FILLET FOR 3mm PLATE 6mm FILLET FOR 4mm TO <12mm PLATE 8mm FILLET FOR 12mm TO <20mm PLATE 10mm FILLET FOR 20mm TO <32mm PLATE
  - ALL FASTENERS TO BE GR.8.8 GALV.
  - ALL STEEL PLATE & SHEET TO BE MIN. GR.25
  - ALL STRUCTURAL STEEL TO BE MIN. GR.300
  - ALL GALVANISED STEEL TO BE IN ACCORDANCE AS1397 AND OF GRADE G22Z75 OR EQUIV.

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30 DELHI STREET  
WEST PERTH  
W.A. 6005  
PH (08) 9237 9600  
FAX (08) 9322 3942

REF DRG No.	REFERENCE DRAWING TITLE	REV	DATE	REVISIONS	BY	CHK'D	APP'D
A	25.06.18	COPIED FROM STD-999-0002 ISSUED FOR APPROVAL			VP	PJC	NH

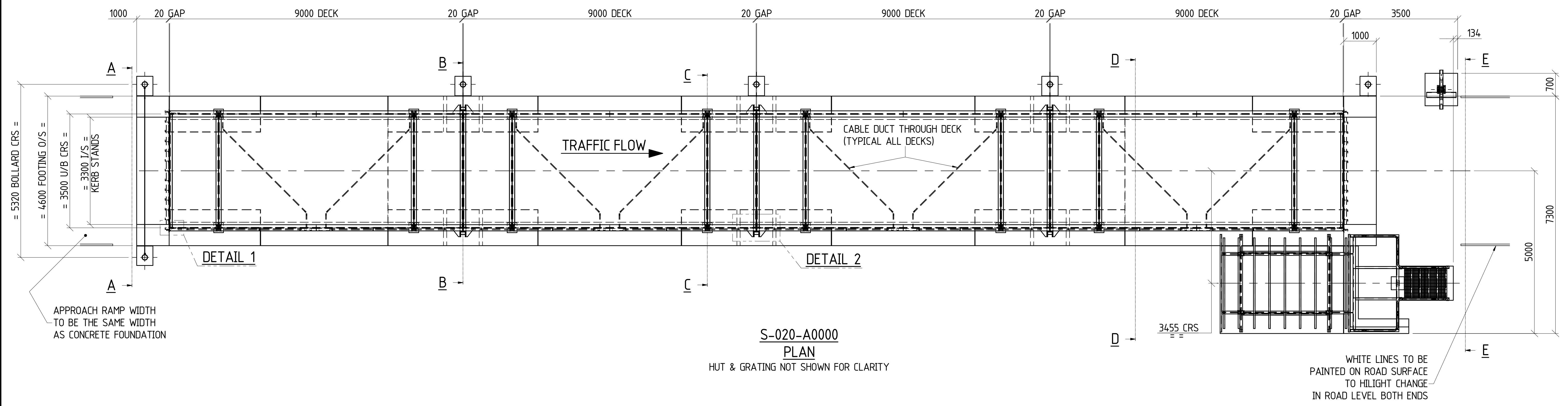
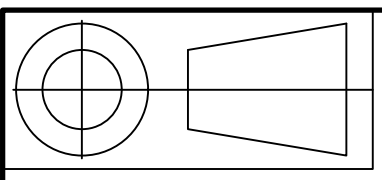


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DESIGNED -  
DES. CHECK PJC  
DRAWN VP 25.06.2018  
CHECKED PJC  
APPROVED NH

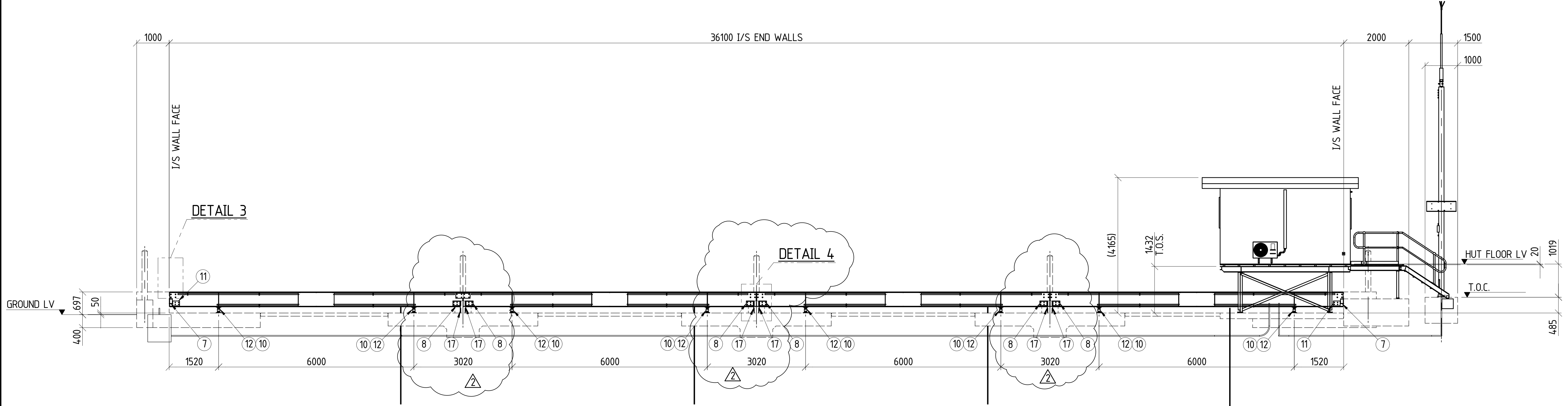
DRAWING TITLE  
TYPICAL DRAWING  
BELT CONVEYOR 900W BELT CLS 300M OBH  
ø400 AUGER E-PIT C/W HEAD DRIVE  
GENERAL ARRANGEMENT

SITE VARIOUS  
PROJECT STANDARD  
DRAWING NO S000-ENG-ME-STD-0002  
SHEET SIZE A1  
REV.





S-020-A0000  
PLAN  
HUT & GRATING NOT SHOWN FOR CLARITY



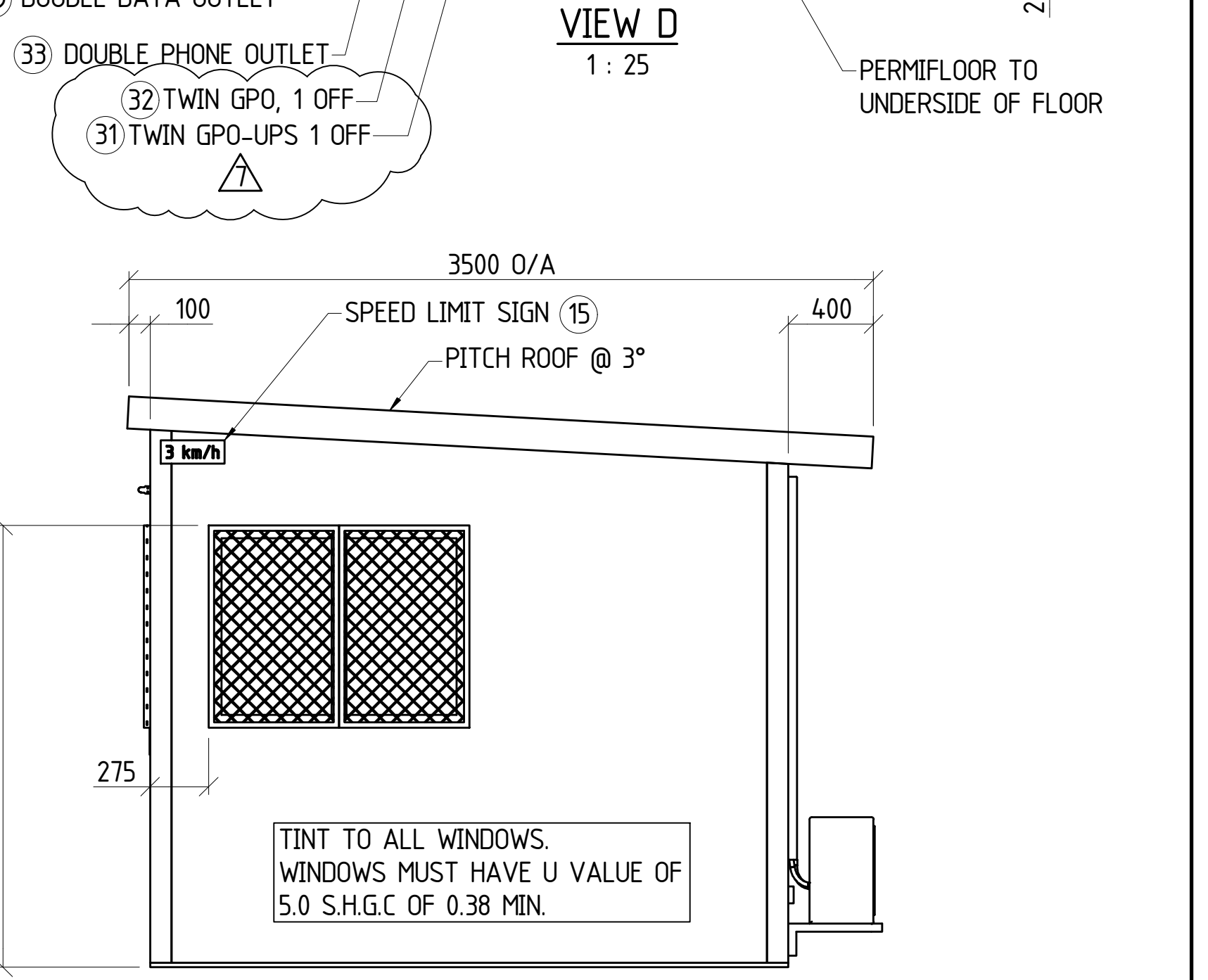
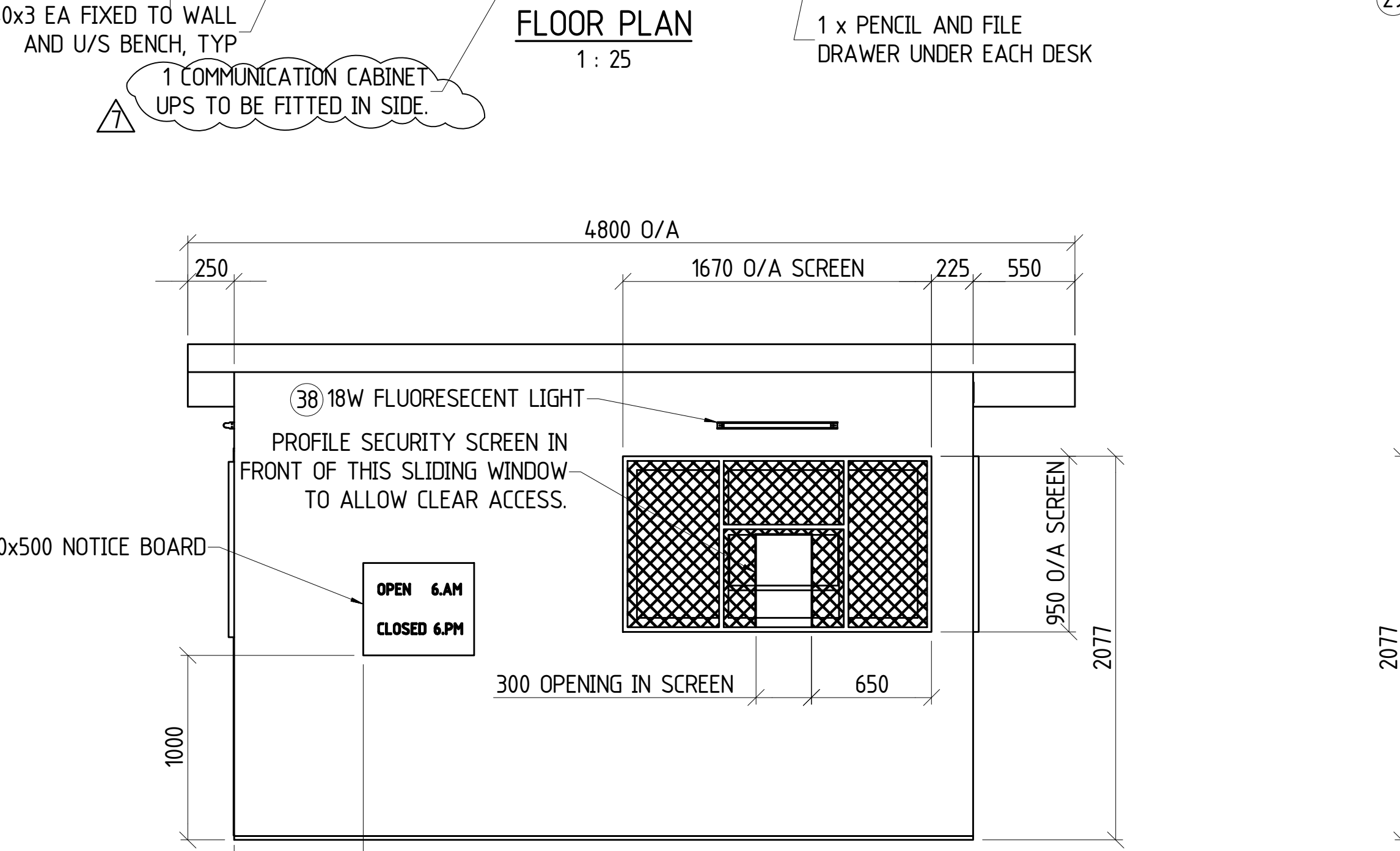
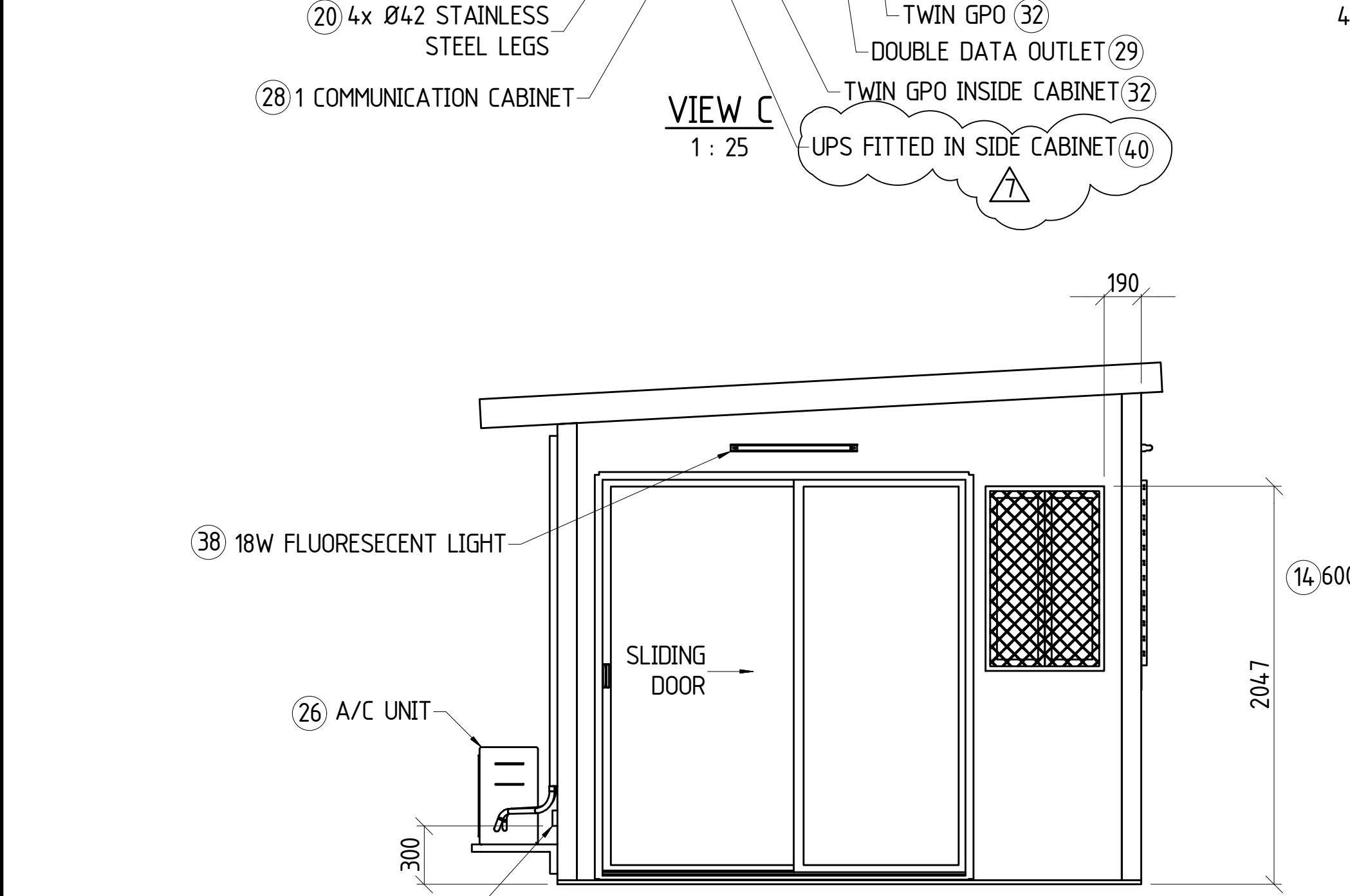
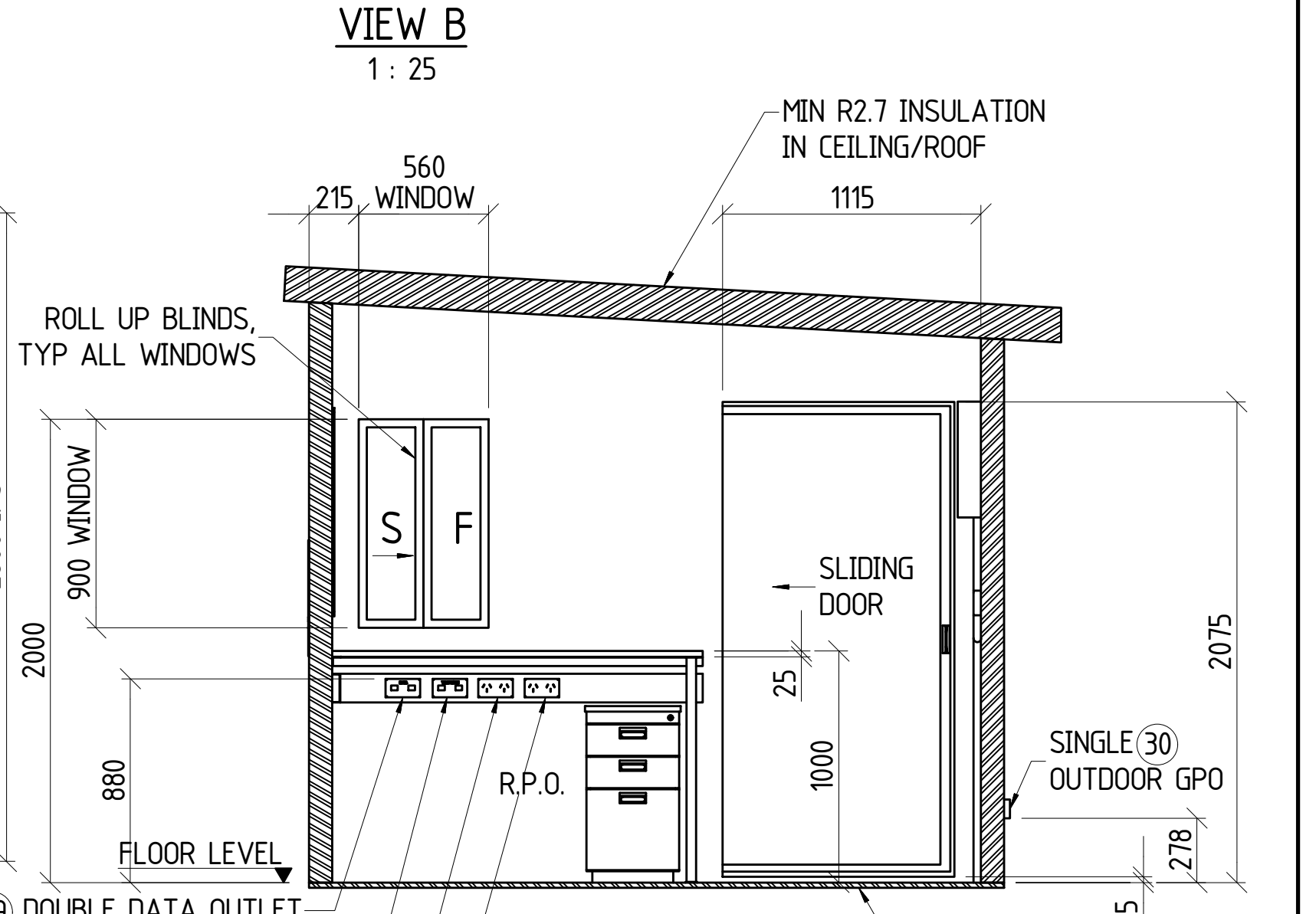
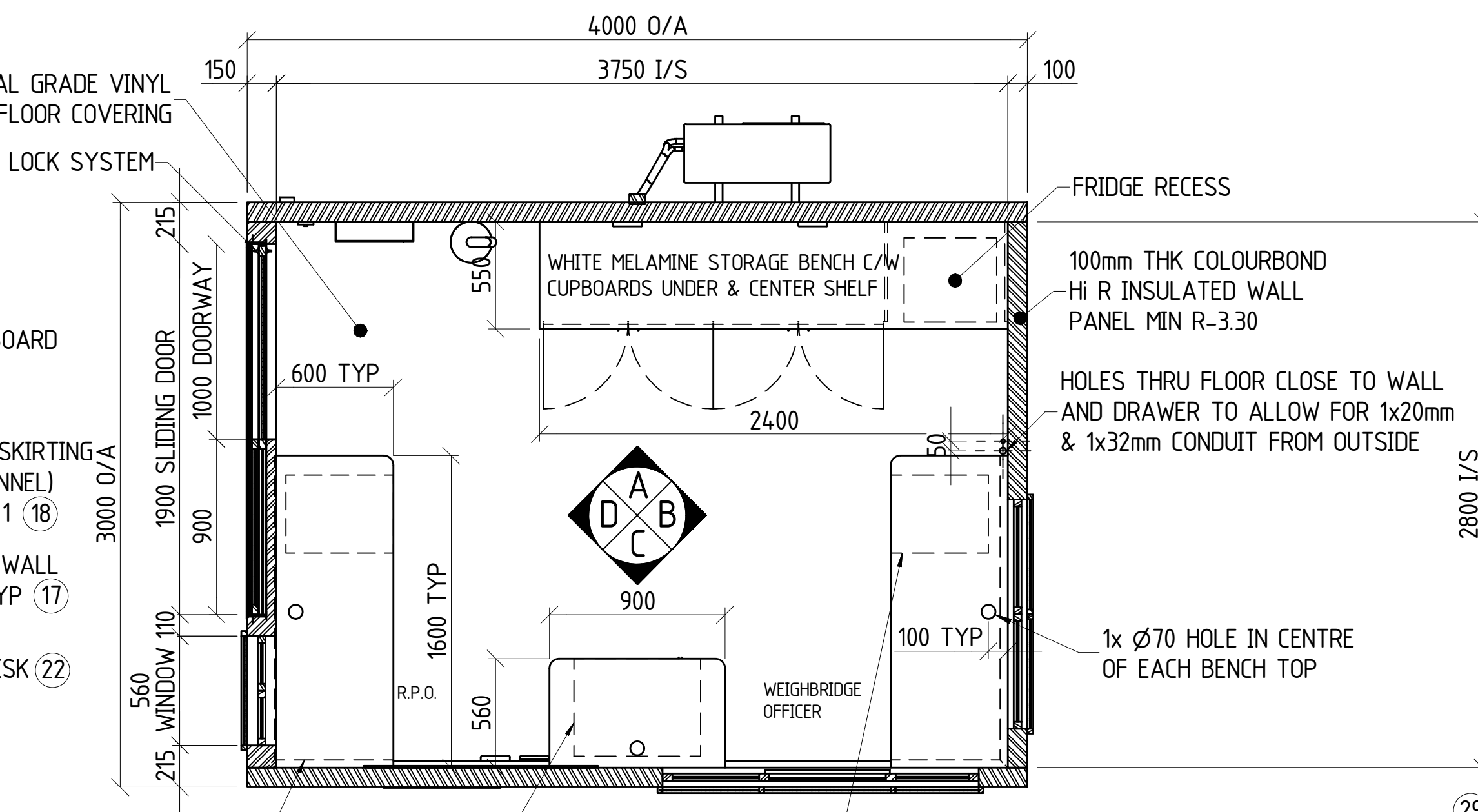
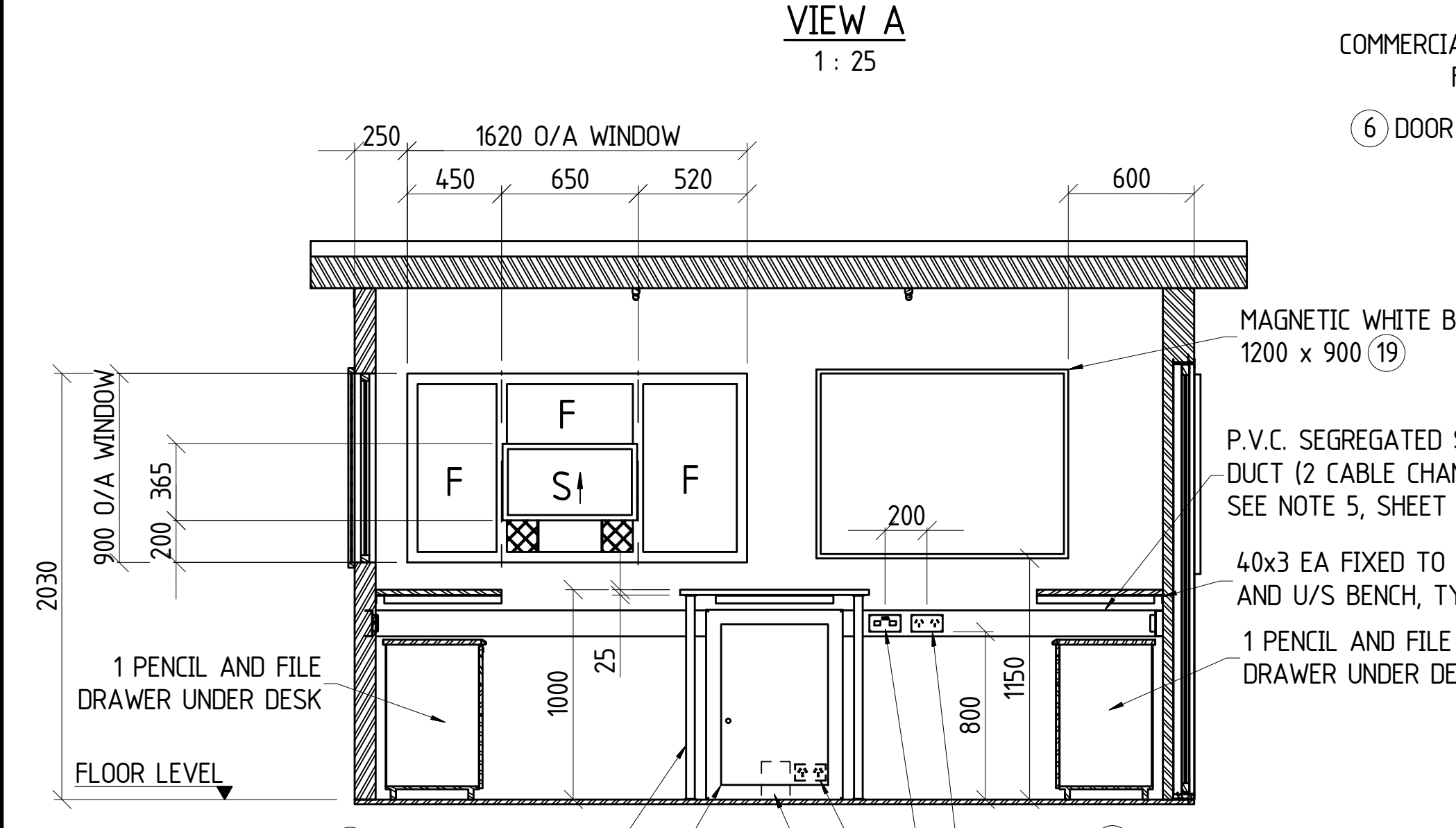
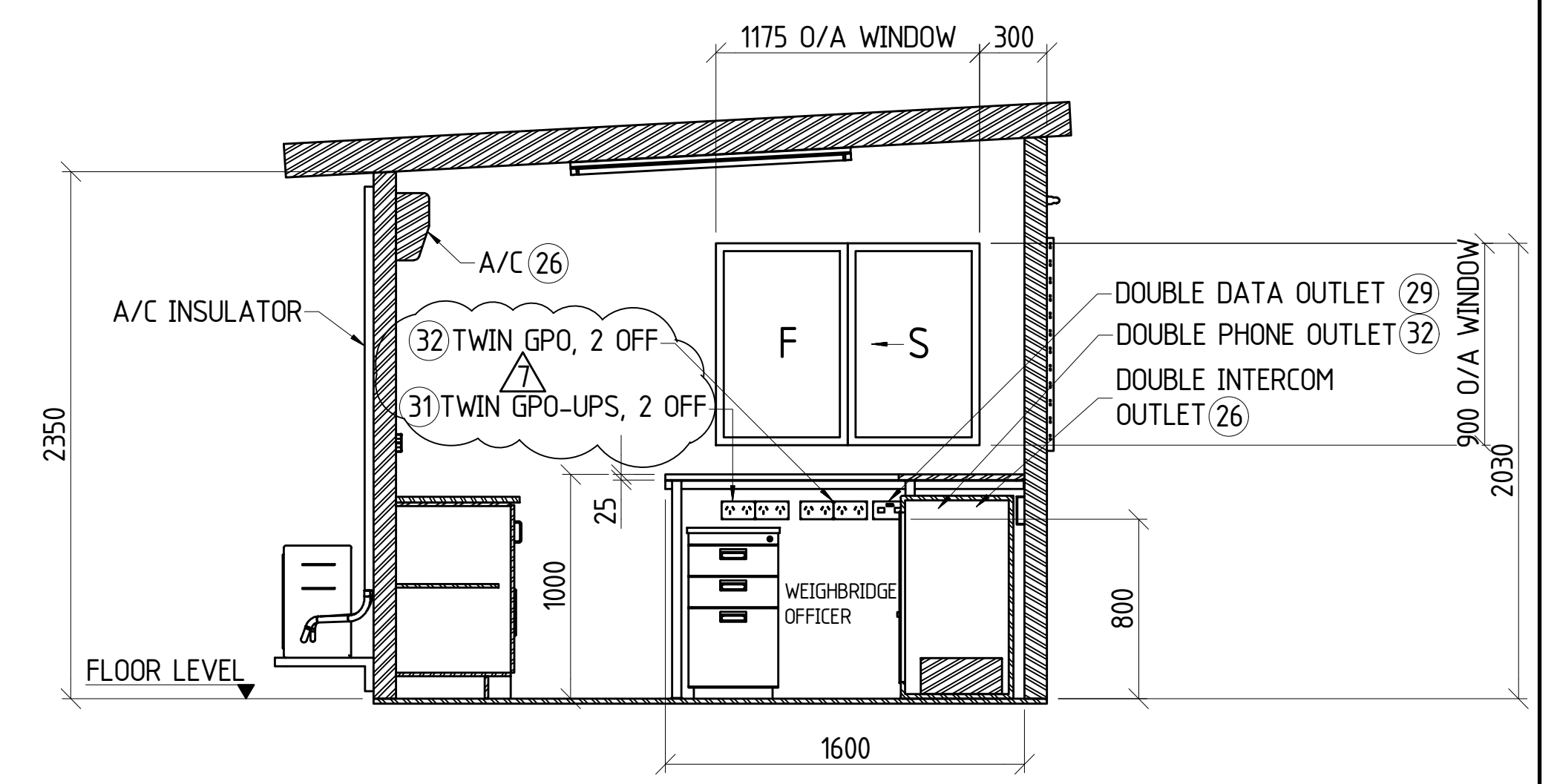
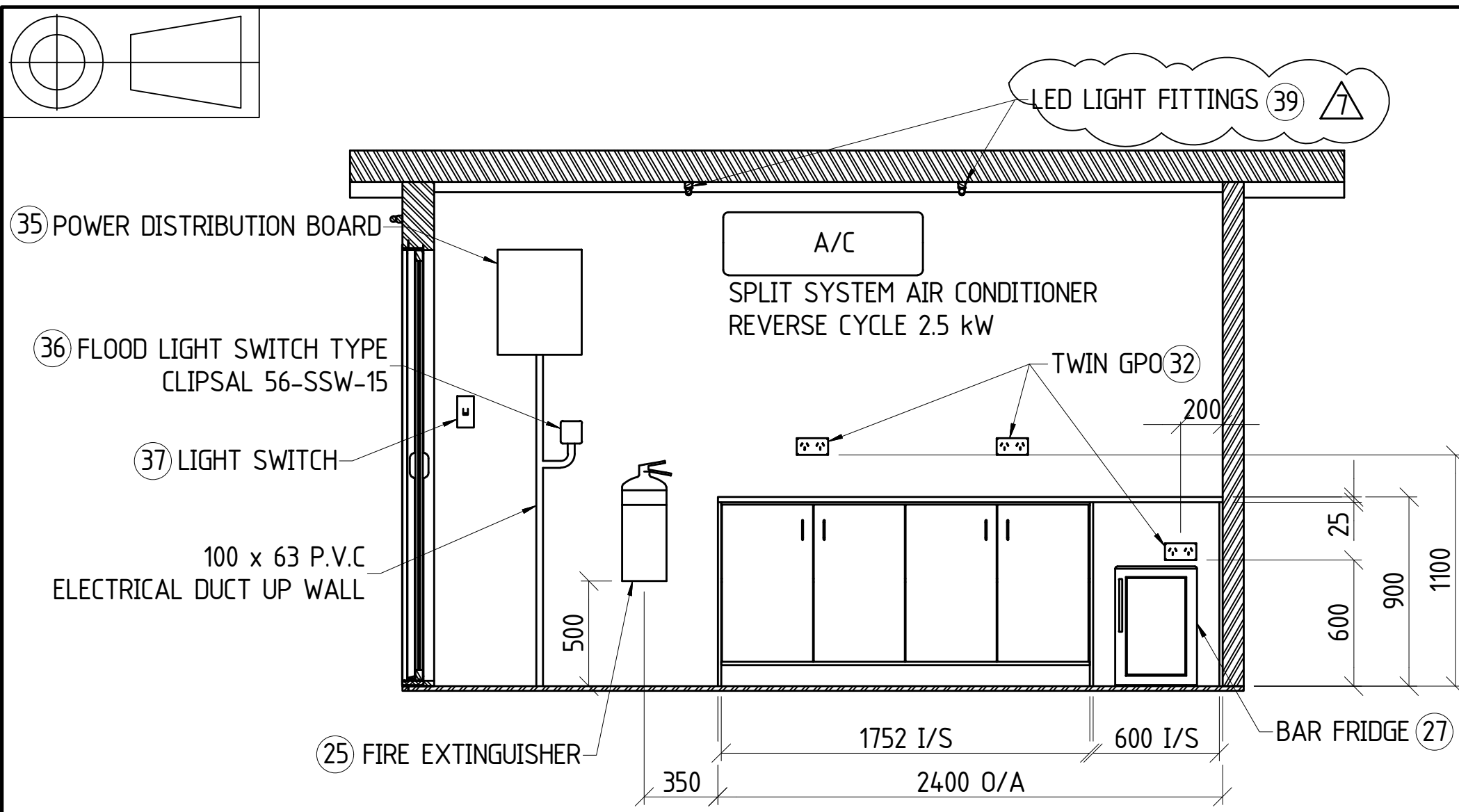
S-020-A0000  
ELEVATION  
36m ASSEMBLED WEIGHBRIDGE  
1:60

REFER TO SHEET 1  
FOR PARTS LIST

COPYRIGHT THIS DRAWING AND THE CONTENTS DEPICTED OR WRITTEN THEREON, WHETHER IN WHOLE OR IN PART, IS THE EXCLUSIVE INTELLECTUAL PROPERTY OF CBH GROUP AND SHOULD NOT BE USED FOR ANY PURPOSE WITHOUT THE EXPRESS WRITTEN APPROVAL OF CBH GROUP.		CBH GROUP HEAD OFFICE 30 DELHI STREET, WEST PERTH W.A 6005 PH (08) 9237 9600 FAX (08) 9322 3942										DESIGNER DRAWN TU 2/12/2014 CHECKED JR 2/12/2014 APPROVED		DRAWING TITLE WEIGHBRIDGE AUSTRALIAN STEEL 36m ASSEMBLED WEIGHBRIDGE GENERAL ARRANGEMENT		SITE VARIOUS		SIZE A1
		DO NOT SCALE FROM THIS DRAWING - ASK!		REF DRG No.	REFERENCE DRAWING TITLE	REV DATE	REVISIONS	BY CHK APP REV DATE	REVISIONS	BY CHK APP APPROVED	DRAWING No S-020-A0000		SHEET 2 OF 5	REV. 2				

ISSUED FOR PLANNING APPROVAL - 17/10/2017





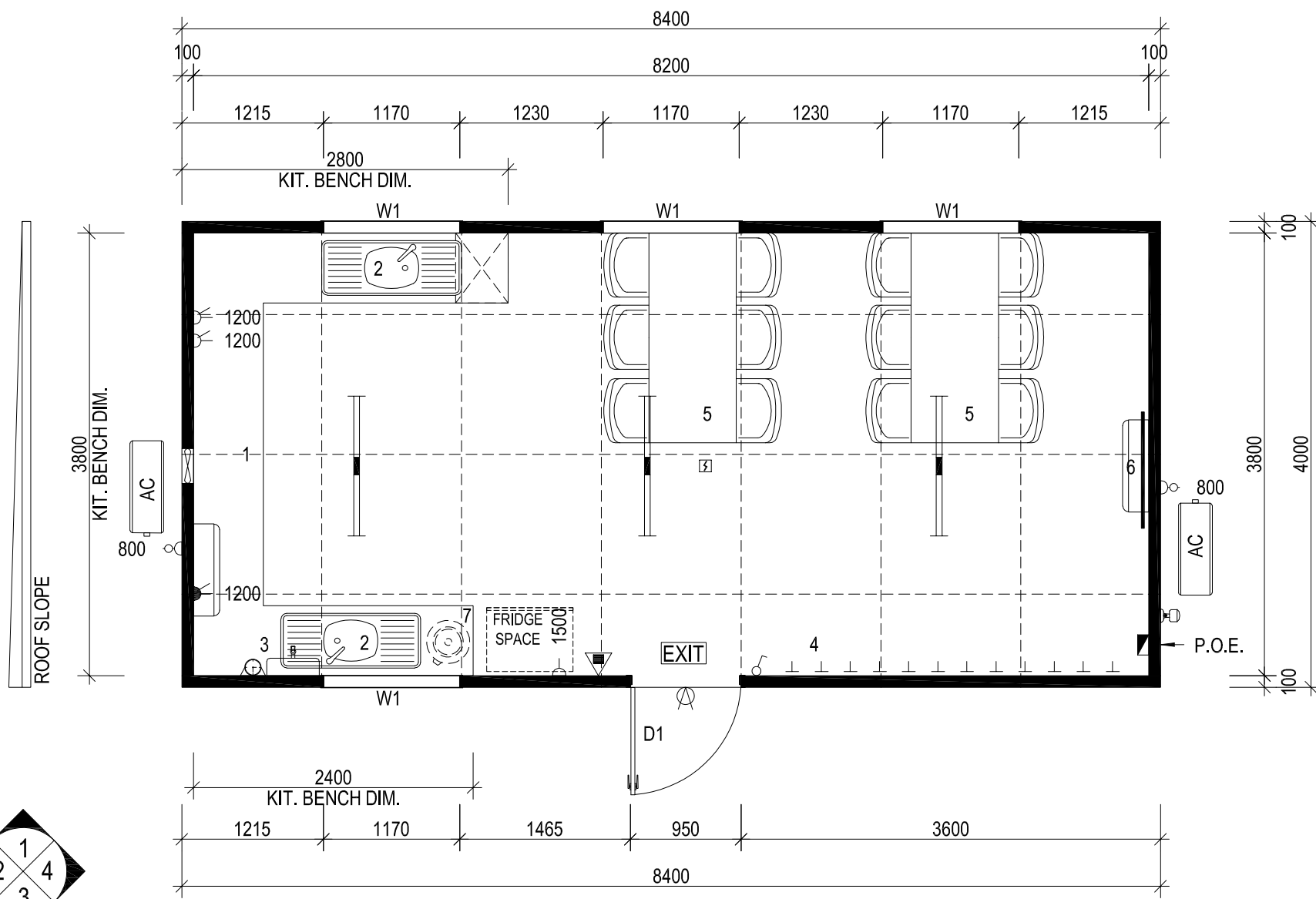
S-020-A0050  
END VIEW

S-020-A0050  
ELEVATION  
HUT LAYOUT

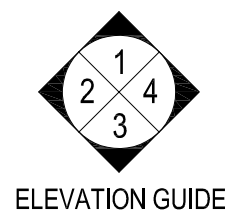
S-020-A0050  
END VIEW

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		7 15.09.2017 ITEM 39, GPO-UPS ADDED	VP SM DF 1	18.11.2014 NOTES ADDED, WINDOW CHANGED	TTW VP CBH	CHECKED JR 13/02/2014	APPROVED CBH 14/02/2014								
DO NOT SCALE FROM THIS DRAWING - ASK!		REF DRG No.	REFERENCE DRAWING TITLE	REV	DATE	REVISIONS	BY	CHK	APP	REV	DATE	REVISIONS	BY	CHK	APP





**FLOOR PLAN**  
SCALE 1:50



**ELEVATION GUIDE**

ELECTRICAL LEGEND		
DESCRIPTION		QTY
MAIN DISTRIBUTION BOARD : (POINT of ENTRY)		1
SWITCH : LIGHT : SINGLE		1
LIGHT : 2x36W FLUORESCENT : DIFFUSED		3
LIGHT : EXTERNAL BULKHEAD : W/PROOF		1
GPO : 10 AMP SINGLE : HEIGHT SHOWN		1
GPO : 10 AMP DOUBLE : HEIGHT SHOWN		2
GPO : 15 AMP DOUBLE : HEIGHT SHOWN		1
EXIT LIGHT : ILLUMINATED EXIT : BATT/BACK UP		1
ISOLATOR : W/PROOF : HEIGHT SHOWN		2
SWITCH : PHOTO-ELECTRIC : (PE CELL)		1
FAN : EXHAUST : WALL MOUNTED		1

FIRE LEGEND		
DESCRIPTION		QTY
SMOKE DETECTOR : HARD WIRED		1
ABE TYPE FIRE EXTINGUISHER 4.5Kg c/w SIGNAGE		1

COLOUR SCHEDULE	
ROOF DECKING	- TBC
ROOF FLASHINGS	- TBC
EXTERNAL WALLS & FLASHINGS	- TBC
INTERNAL WALLS	- TBC
EXTERNAL DOOR FRAMES	- TBC
EXTERNAL DOORS	- TBC
WINDOW FRAMES	- TBC
CEILING	- TBC
VINYL	- TBC
FLEETWOOD LOGOS	- YES
SKIRTING	- TBC
PERIMETER / BASE CHANNEL	- BLACK
KITCHEN BENCH TOP	- TBC
C'BRD DOORS & SIDES	- TBC
C'BRD SHELVES / CARCASE	- TBC
DINING TABLE	- TBC

**NOTE:**  
TIE DOWNS TO ENGINEERS SPECIFICATIONS

**BUILDING DESIGN CRITERIA** Wind Load - in accordance with AS.1170.2-2011  
**REGION B, TERRAIN CATEGORY 2, IMPORTANCE LEVEL 2:**  
 $V_u = V500 = 57m/s$        $M_s = 1.0$        $M_t = 1.0$   
 $M_{zcat} = 0.91$        $V$  Serviceability = 39m/s

**DESIGN CRITERIA IN ACCORDANCE WITH AS1170.1-2002:**  
 Imposed Floor Actions (Table 3.1)  
**Allowable Floor Loads:** 3.0kPa Uniformly distributed.  
**(KITCHEN AREA)** 2.7kN Concentrated load.  
**Allowable Floor Loads:** 2.0kPa Uniformly distributed.  
**(DINING AREA)** 2.7kN Concentrated load.

**DESIGN CRITERIA IN ACCORDANCE WITH AS1170.4-2007:**  
 Probability  $P = 1/500$  (Table 3.1)  
 $K_p = 1.0$  (Table 3.1)  
 Site hazard factor  $Z$  allowed = 0.12 (Figure 3.2(C))  
 Earthquake design category = EDC 1 as per Table 2.1

**REGION B WINDOWS DESIGN CRITERIA TO AS 2047:**  
**For residential and commercial buildings (Clause 2.3.2):**

- Serviceability pressure:  
 General - 840Pa, up to 660mm from corner - 900Pa
- Ultimate strength pressure:  
 General - 1230Pa, up to 660mm from corner - 1320Pa
- Water penetration resistance pressure: 220Pa

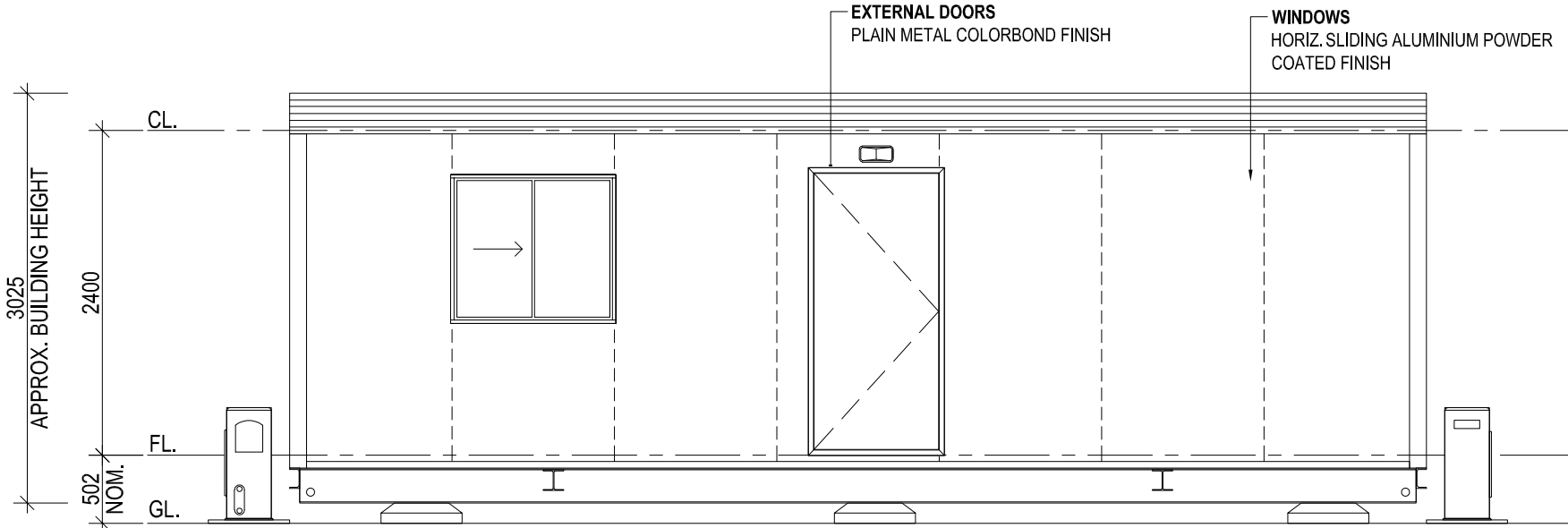
THE ENTIRE ROOF AND WALL ASSEMBLIES, THEIR CONNECTIONS & IMMEDIATE SUPPORTING MEMBERS HAVE BEEN DESIGNED SO AS TO BE CAPABLE OF REMAINING IN POSITION NOTWITHSTANDING ANY PERMANENT DISTORTION, FRACTURE OR DAMAGE THAT MIGHT OCCUR IN ACCORDANCE WITH NCC VOLUME 1, SPECIFICATION B1.2 OR VOLUME 2, PART 2.1.1(b) AND 3.10.1 HIGH WIND AREAS (IF APPLICABLE)

ALL REFERENCED STANDARDS TO BE THE CURRENT VERSION AT THE TIME OF CONSTRUCTION

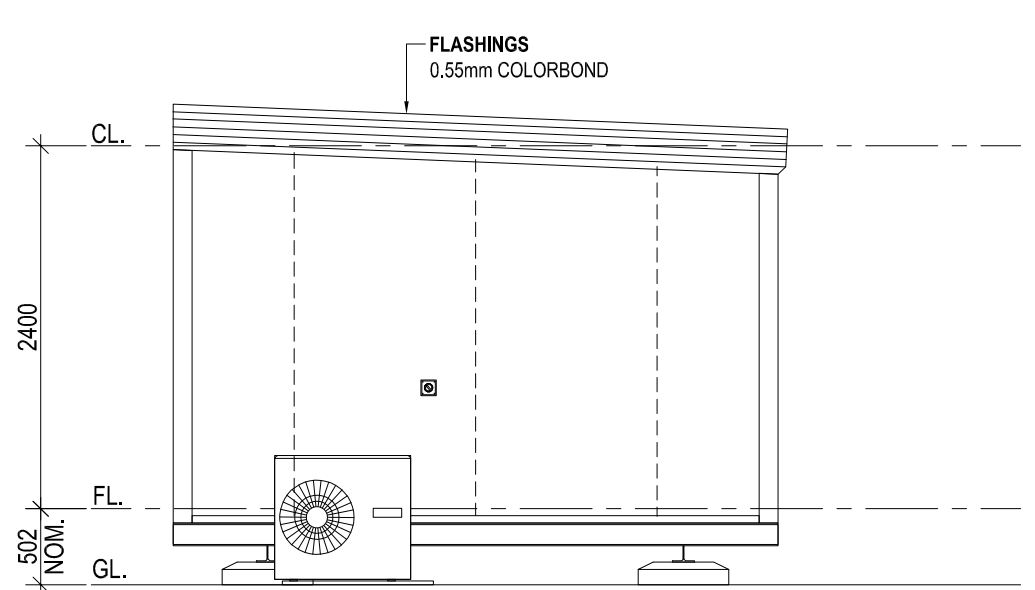
**Built To: NCC CLASS 6 BUILDING**  
**CLIMATE ZONE 5**  
 EXTERNAL DIMENSIONS - 8.4m x 4.2 = 33.6m<sup>2</sup>  
 CEILING HEIGHT 2.400m

BUILDING SHORT SPECIFICATION - TO CURRENT NCC	
•	CHASSIS - STEEL BEAMS c/w GALV. JOISTS 75 x 40 CEE SECTIONS @ MAX 400 CTRS
•	CHASSIS PAINT SPEC. - 425 ZINC PHOSPHATE PRIMER, 2 COATS ALKYD PRIMER WET ON WET - BLACK - FOR CORROSION INHIBITION
•	FLOORING - 22mmT&G AQUATITE TERMITE TREATED PARTICLE BOARD
•	FLOOR COVERING - 2.0mm VINYL FLOOR FINISH c/w 100mm HIGH COVING - refer colour schedule
•	EXTERNAL WALLS - 100mm EPS CORE PANEL c/w 0.6mm COLORBOND facings - refer colour schedule
•	FLOOR INSULATION - R2.0 IST75 between floor joists supported by BUILDER MESH below
•	ROOF INSULATION - R2.5 EARTHWOOL BATTS between ceiling joists with IST55 ANTI-CONDENSATION BLANKET under roof sheets
•	ROOF & CEILING FRAME - GALV. STEEL FRAMEWORK
•	ROOF CLADDING - SUPERDEK SHEETING - refer colour schedule
•	CEILING - PRE-FINISHED PLYWOOD c/w ALUMINIUM CORNICE - refer colour schedule
•	ROOF FLASHINGS & CORNER TRIMS - COLORBOND - refer colour schedule
•	DOOR FRAMES - METAL POWDERCOATED FINISH - refer colour schedule

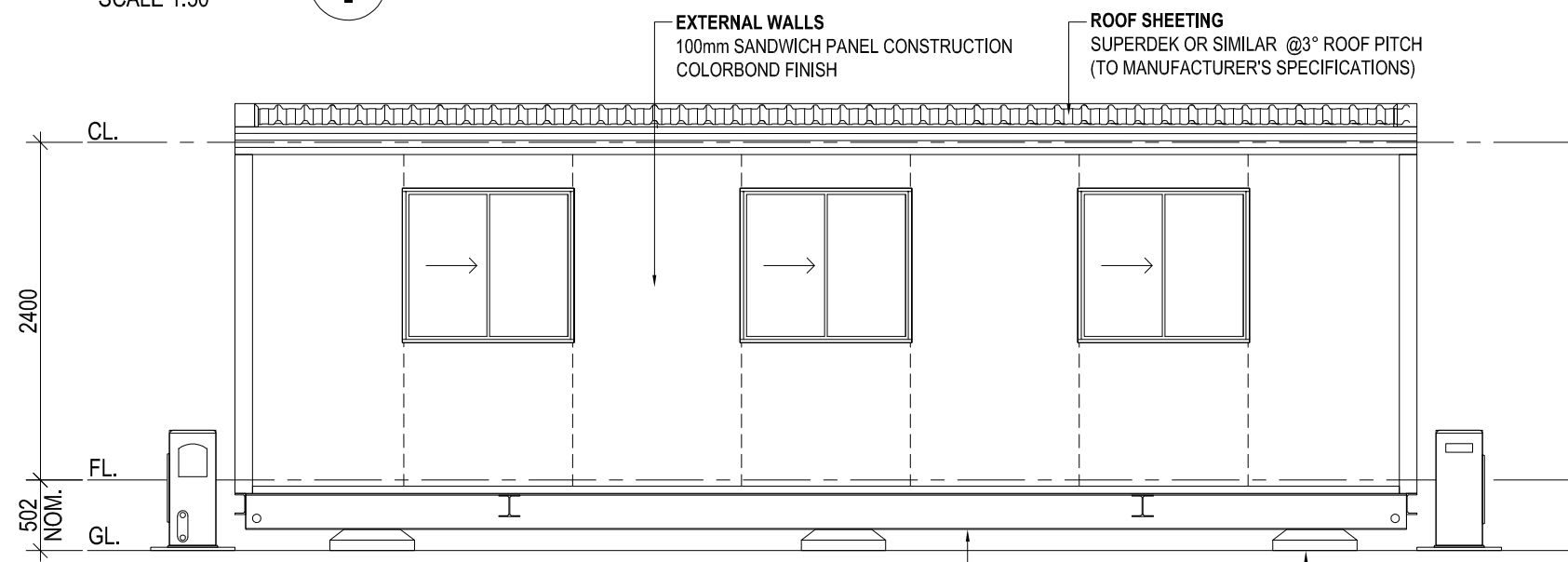
EQUIPMENT LIST		
No.	DESCRIPTION	QTY
D1	2040h x 920w PLAIN METAL EXTERNAL DOOR c/w ENTRANCE SET	1
W1	1050h x 1170w HORIZ. SLIDING WINDOW c/w FLYSCREEN	4
AC	FUJITSU - 5kW INVERTER SPLIT SYSTEM REVERSE CYCLE AIR CONDITIONER	2
1	'U' SHAPE 600 DEEP x 900 HIGH KITCHEN BENCHTOP c/w 2x SINK INSET, 450 WIDE 4-DRAWER UNIT & C'BRDS with MIDDLE SHELF UNDER	1
2	100 WIDE S/S SINGLE BOWL DOUBLE DRAINER SINK c/w FLICK MIXER TAPSET	2
3	WALL MOUNTED 7.5L BOILING WATER UNIT c/w TIMER SWITCH	1
4	COAT HOOKS @ 300 CTRS	12
5	1800w x 750d x 730h DINING TABLE (FOLDING LEGS) c/w 6x PVC STACK CHAIRS	2
6	1000h x 1200w PIN-UP NOTICE BOARD	1
7	25L ELECTRIC HWS (UNDER BENCH)	1



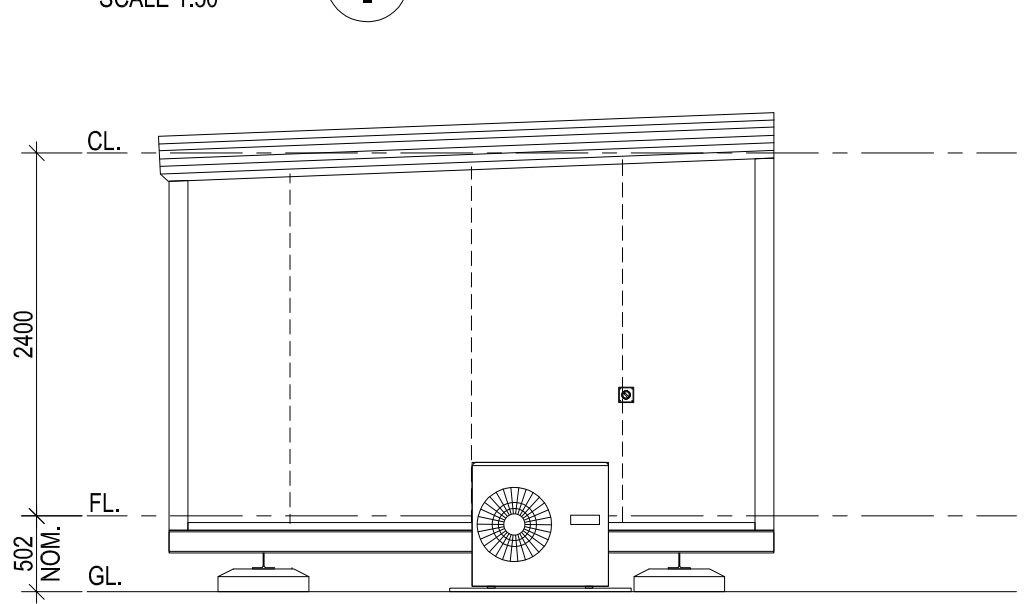
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SCALE 1:50



**ELEVATION 2**  
SCALE 1:50



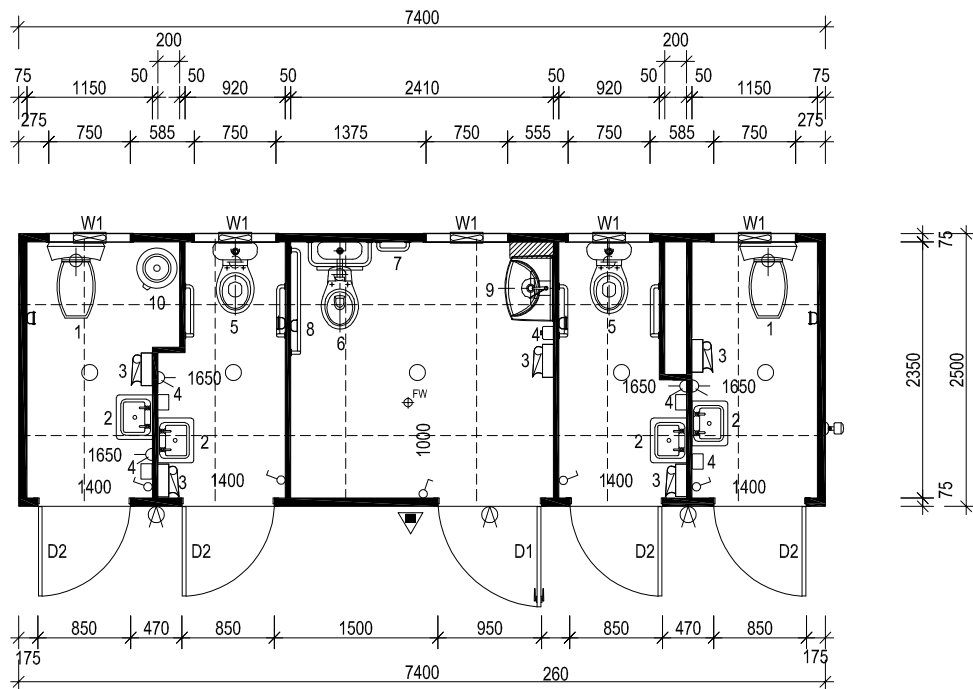
**ELEVATION 3**  
SCALE 1:50



**ELEVATION 4**  
SCALE 1:50

PAGE SIZE		SCALE			<b>CLIENT:</b> CBH - NARNGULU PROJECT <b>LOCATION:</b> NARNGULU, WA, 6532 <b>BUILDING:</b> LUNCH ROOM <b>TITLE:</b> FLOOR PLAN AND EXTERNAL ELEVATIONS
A2		1:50			
DRAWN BY		DATE			
DAS		31.05.18		1202 ABERNETHY RD, PERTH AIRPORT, WA 6105 PH: (08) 9281 7500 FAX: (08) 9281 7580 WEBSITE: www.fleetwood.com.au	<b>QUOTE NUMBER:</b> SQ12603-B01 <b>DRWG NUMBER:</b> A-101 <b>JOB NUMBER:</b> <b>REVISION:</b> B
THIS DRAWING IS PROTECTED BY COPYRIGHT LAWS.				INTERSTATE BRANCHES: 9-11 WOOD ST, BENDIGO, VIC 3552 PH: 1800 123 272	
DO NOT SCALE. REFER TO DIMENSIONS ONLY.				41-55 PLATINUM ST, CRESTMEAD, QLD 4132 PH: 1800 123 272	58 MCKINNON RD, BERRIMAH, NT 0820 PH: 8932 4900 FAX: 8932 4888
B	RE-ISSUED FOR REVIEW	KP	15.06.18		
A	ISSUED FOR REVIEW	DAS	31.05.18		
REV	DESCRIPTION	DRWN	CHKD	DATE	





FLOOR PLAN  
SCALE 1:50

ELECTRICAL LEGEND		
SYMBOL	DESCRIPTION	QTY
⬇	MAIN DISTRIBUTION BOARD : (POINT OF ENTRY)	1
⊕	SWITCH : LIGHT : SINGLE	5
○	LIGHT : OYSTER FITTING	5
⊙	LIGHT : EXTERNAL BULKHEAD : W/PROOF	5
⊕	GPO : 10 AMP DOUBLE : HEIGHT SHOWN	5
⊕	ISOLATOR : W/PROOF : HEIGHT SHOWN	1
⊕	SWITCH : PHOTO-ELECTRIC : (PE CELL)	1
⊕	FAN : EXHAUST : WALL MOUNTED	5

FIRE LEGEND		
SYMBOL	DESCRIPTION	QTY
⚠	ABE TYPE FIRE EXTINGUISHER 4.5Kg c/w SIGNAGE	1

COLOUR SCHEDULE		
ROOF DECKING	-	TBC
ROOF FLASHINGS	-	TBC
EXTERNAL WALLS & FLASHINGS	-	TBC
INTERNAL WALLS	-	TBC
EXTERNAL DOOR FRAMES	-	TBC
EXTERNAL DOORS	-	TBC
WINDOW FRAMES	-	TBC
CEILING	-	TBC
VINYL	-	TBC
FLEETWOOD LOGOS	-	YES
SKIRTING	-	TBC
PERIMETER / BASE CHANNEL	-	BLACK

NOTE:  
TIE DOWNS TO ENGINEERS SPECIFICATIONS

**BUILDING DESIGN CRITERIA** Wind Load - in accordance with AS.1170.2-2011  
**REGION B, TERRAIN CATEGORY 2, IMPORTANCE LEVEL 2:**  
 Vu = V500 = 57m/s Ms = 1.0 Mt = 1.0  
 Mzcat = 0.91 V Serviceability = 39m/s

**DESIGN CRITERIA IN ACCORDANCE WITH AS1170.1-2002:**  
 Imposed Floor Actions (Table 3.1)  
**Allowable Floor Loads:** 3.0kPa Uniformly distributed.  
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 Kp = 1.0 (Table 3.1)  
 Site hazard factor Z allowed = 0.12 (Figure 3.2(C))  
 Earthquake design category = EDC 1 as per Table 2.1

**REGION B WINDOWS DESIGN CRITERIA TO AS 2047:**  
**For residential and commercial buildings (Clause 2.3.2):**  
 1. Serviceability pressure:  
 General - 840Pa, up to 660mm from corner - 900Pa  
 2. Ultimate strength pressure:  
 General - 1230Pa, up to 660mm from corner - 1320Pa  
 3. Water penetration resistance pressure: 220Pa

THE ENTIRE ROOF AND WALL ASSEMBLIES, THEIR CONNECTIONS & IMMEDIATE SUPPORTING MEMBERS HAVE BEEN DESIGNED SO AS TO BE CAPABLE OF REMAINING IN POSITION NOTWITHSTANDING ANY PERMANENT DISTORTION, FRACTURE OR DAMAGE THAT MIGHT OCCUR IN ACCORDANCE WITH NCC VOLUME 1, SPECIFICATION B1.2 OR VOLUME 2, PART 2.1.1(b) AND 3.10.1 HIGH WIND AREAS (IF APPLICABLE)

ALL REFERENCED STANDARDS TO BE THE CURRENT VERSION AT THE TIME OF CONSTRUCTION

**Built To: NCC CLASS 10a BUILDING**

**CLIMATE ZONE 5**

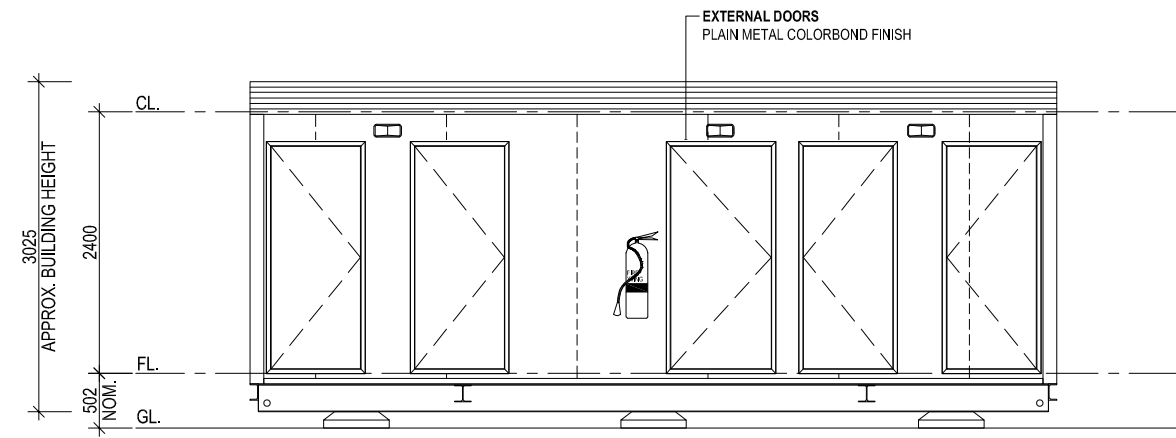
EXTERNAL DIMENSIONS - 7.4m x 2.5 = 18.5m<sup>2</sup>  
 CEILING HEIGHT 2.400m

**BUILDING SHORT SPECIFICATION - TO CURRENT NCC**

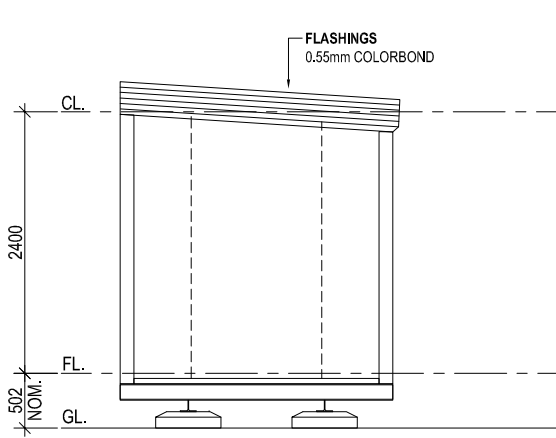
- CHASSIS - STEEL BEAMS c/w GALV. JOISTS 75 x 40 CEE SECTIONS @ MAX 400 CTRS
- CHASSIS PAINT SPEC. - 425 ZINC PHOSPHATE PRIMER, 2 COATS ALKYD PRIMER WET ON WET - BLACK - FOR CORROSION INHIBITION
- FLOORING - 22mmT&G AQUATITE TERMITE TREATED PARTICLE BOARD
- FLOOR COVERING - 2.0mm VINYL FLOOR FINISH c/w 100mm HIGH COVING - refer colour schedule
- EXTERNAL WALLS - 100mm EPS CORE PANEL c/w 0.6mm COLORBOND facings - refer colour schedule
- FLOOR INSULATION - R2.0 IST75 between floor joists supported by BUILDER MESH below
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- ROOF CLADDING - SUPERDEK SHEETING - refer colour schedule
- CEILING - PRE-FINISHED PLYWOOD c/w ALUMINIUM CORNICE - refer colour schedule
- ROOF FLASHINGS & CORNER TRIMS - COLORBOND - refer colour schedule
- DOOR FRAMES - METAL POWDERCOATED FINISH - refer colour schedule

**EQUIPMENT LIST**

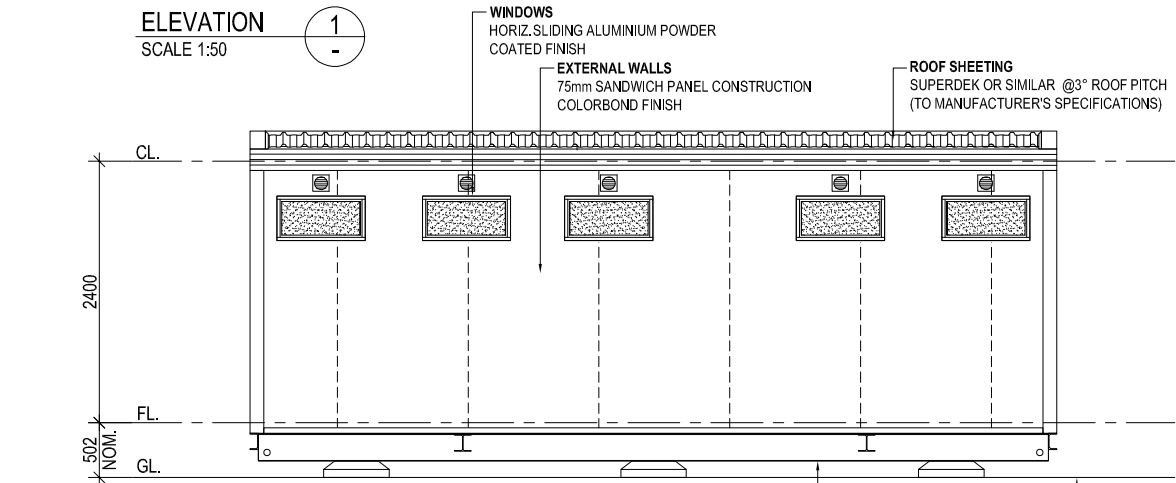
No.	DESCRIPTION	QTY
D1	2040h x 920w PLAIN METAL EXTERNAL DOOR c/w ENTRANCE SET, INDICATOR BOLT AND CLOSER	1
D2	2040h x 820w PLAIN METAL EXTERNAL DOOR c/w ENTRANCE SET, INDICATOR BOLT AND CLOSER	4
W1	750h x 350w FIXED OBSCURE WINDOW	5
1	TOILET PAN c/w DUAL FLUSH CISTERN & TOILET PAPER HOLDER	2
2	COMPACT S.S. HAND BASIN c/w MIRROR & SHELF OVER	4
3	PAPER TOWEL HOLDER - WALL MOUNTED	2
4	SOAP DISPENSER - WALL MOUNTED	5
5	920 WIDE AMBULANT TOILET CUBICLE c/w TOILET PAN WITH DUAL FLUSH CISTERN, TOILET ROLL HOLDER, 2x 450x450 S.S GRAB RAILS, COAT HOOK. INSTALLED TO AS1428.1-2009.	2
6	ACCESSIBLE TOILET PAN c/w DUAL FLUSH CISTERN, SAFE-ASSIST BACKREST & TOILET PAPER HOLDER	1
7	300 LONG S.S. DISABLED GRABRAIL INSTALLED TO AS1428.1-2009.	1
8	600 x 950 S.S. DISABLED GRABRAIL INSTALLED TO AS1428.1-2009.	1
9	ACCESSIBLE WALL MOUNTED HAND BASIN c/w LEVER MIXER, MIRROR OVER & 400x150 SHELF MOUNTED ADJACENT TO BASIN. INSTALLED TO AS1428.1-2009.	1
10	50L ELECTRIC HWS	1



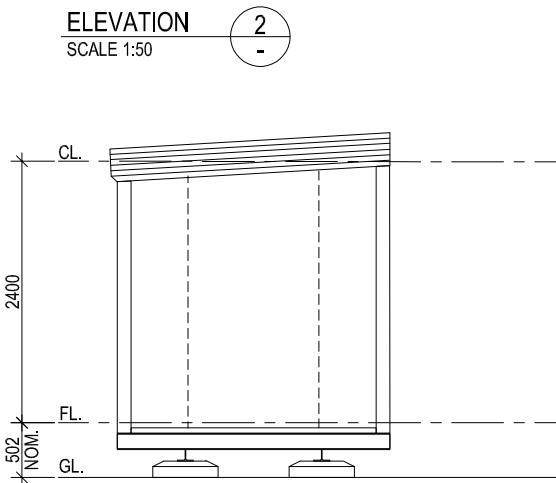
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ELEVATION 2  
SCALE 1:50



ELEVATION 3  
SCALE 1:50



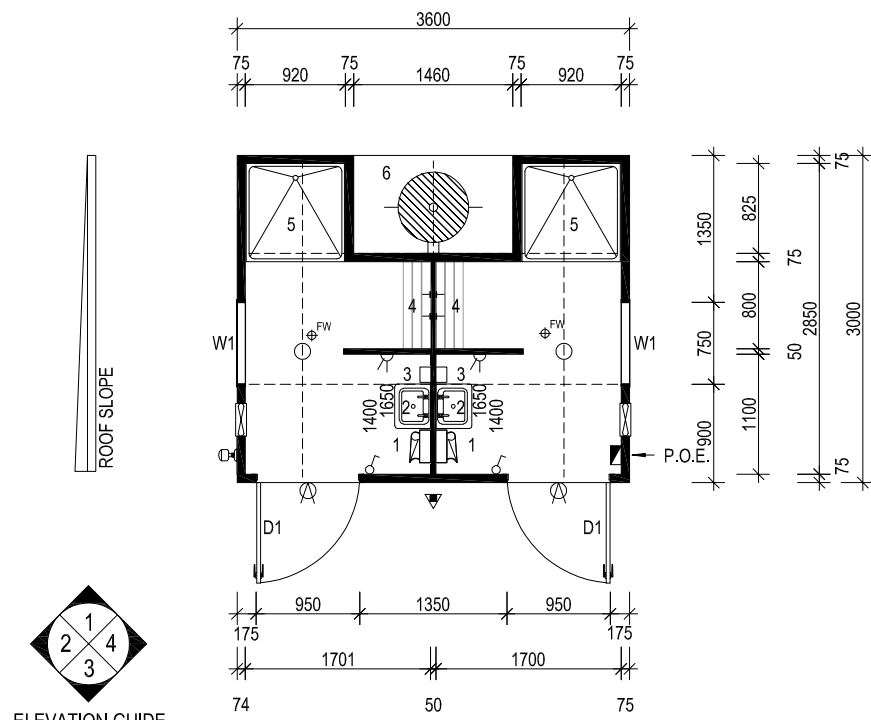
ELEVATION 4  
SCALE 1:50



ELEVATION 5  
SCALE 1:50

PAGE SIZE	A2	SCALE	1:50		CLIENT:	CBH - NARNGULU PROJECT	
DRAWN BY	DAS	DATE	31.05.18		1202 ABERNETHY RD, PERTH AIRPORT, WA 6105 PH: (08) 9281 7500 FAX: (08) 9281 7580 WEBSITE: www.fleetwood.com.au	LOCATION:	NARNGULU, WA, 6532
THIS DRAWING IS PROTECTED BY COPYRIGHT LAWS.	DO NOT SCALE. REFER TO DIMENSIONS ONLY.			INTERSTATE BRANCHES:	9-11 WOOD ST, BENDIGO, VIC 3552 PH: 1800 123 272	BUILDING:	2 MALE, 2 FEMALE 1 UA TOILET
B RE-ISSUED FOR REVIEW	KP	15.06.18		41-55 PLATINUM ST, CRESTMEAD, QLD 4132 PH: 1800 123 272	58 MCKINNON RD, BERRIMAH, NT 0820 PH: 8932 4900 FAX: 8932 4888	TITLE:	FLOOR PLAN AND EXTERNAL ELEVATIONS
A ISSUED FOR REVIEW	DAS	31.05.18				QUOTE NUMBER	DRWG NUMBER
REV DESCRIPTION	DRWN	CHKD	DATE			SQ12603-B02	A-101
							JOB NUMBER
							REVISION





FLOOR PLAN  
SCALE 1:50

ELECTRICAL LEGEND		
DESCRIPTION	QTY	
MAIN DISTRIBUTION BOARD : (POINT OF ENTRY)	1	
SWITCH : LIGHT : SINGLE	2	
LIGHT : OYSTER FITTING	2	
LIGHT : EXTERNAL BULKHEAD : W/PROOF	2	
GPO : 10 AMP DOUBLE : HEIGHT SHOWN	2	
ISOLATOR : W/PROOF : HEIGHT SHOWN	2	
SWITCH : PHOTO-ELECTRIC : (PE CELL)	1	
FAN : EXHAUST : WALL MOUNTED	2	
FIRE LEGEND		
DESCRIPTION	QTY	
ABE TYPE FIRE EXTINGUISHER 4.5Kg c/w SIGNAGE	1	
COLOUR SCHEDULE		
ROOF DECKING	-	TBC
ROOF FLASHINGS	-	TBC
EXTERNAL WALLS & FLASHINGS	-	TBC
INTERNAL WALLS	-	TBC
EXTERNAL DOOR FRAMES	-	TBC
EXTERNAL DOORS	-	TBC
WINDOW FRAMES	-	TBC
CEILING	-	TBC
VINYL	-	TBC
FLEETWOOD LOGOS	-	YES
SKIRTING	-	TBC
PERIMETER / BASE CHANNEL	-	BLACK
<b>NOTE:</b> TIE DOWNS TO ENGINEERS SPECIFICATIONS		

**BUILDING DESIGN CRITERIA** Wind Load - in accordance with AS.1170.2-2011  
**REGION B, TERRAIN CATEGORY 2, IMPORTANCE LEVEL 2:**  
 $V_u = V_{500} = 57\text{m/s}$   $M_s = 1.0$   $M_t = 1.0$   
 $M_{zcat} = 0.91$   $V$  Serviceability = 39m/s

**DESIGN CRITERIA IN ACCORDANCE WITH AS1170.1-2002:**  
 Imposed Floor Actions (Table 3.1)  
**Allowable Floor Loads:** 3.0kPa Uniformly distributed.  
**(KITCHEN AREA)** 2.7kN Concentrated load.  
**Allowable Floor Loads:** 2.0kPa Uniformly distributed.  
**(DINING AREA)** 2.7kN Concentrated load.

**DESIGN CRITERIA IN ACCORDANCE WITH AS1170.4-2007:**  
 Probability  $P = 1/500$  (Table 3.1)  
 $K_p = 1.0$  (Table 3.1)  
 Site hazard factor  $Z$  allowed = 0.12 (Figure 3.2(C))  
 Earthquake design category = EDC I as per Table 2.1

**REGION B WINDOWS DESIGN CRITERIA TO AS 2047:**  
**For residential and commercial buildings (Clause 2.3.2):**  
 1. Serviceability pressure:  
     General - 840Pa, up to 660mm from corner - 900Pa  
 2. Ultimate strength pressure:  
     General - 1230Pa, up to 660mm from corner - 1320Pa  
 3. Water penetration resistance pressure: 220Pa

THE ENTIRE ROOF AND WALL ASSEMBLIES, THEIR CONNECTIONS & IMMEDIATE SUPPORTING MEMBERS HAVE BEEN DESIGNED SO AS TO BE CAPABLE OF REMAINING IN POSITION NOTWITHSTANDING ANY PERMANENT DISTORTION, FRACTURE OR DAMAGE THAT MIGHT OCCUR IN ACCORDANCE WITH NCC VOLUME 1, SPECIFICATION B1.2 OR VOLUME 2, PART 2.1.1(b) AND 3.10.1 HIGH WIND AREAS (IF APPLICABLE)

ALL REFERENCED STANDARDS TO BE THE CURRENT VERSION AT THE TIME OF CONSTRUCTION

**Built To: NCC CLASS 10a BUILDING**

**CLIMATE ZONE 5**

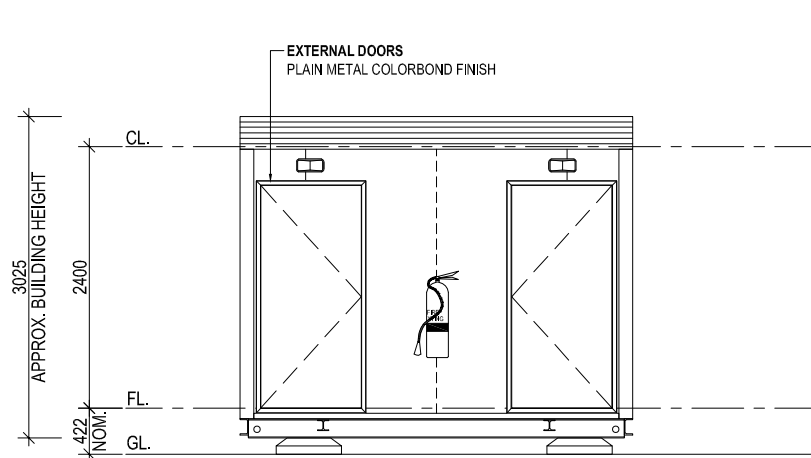
EXTERNAL DIMENSIONS - 7.4m x 2.5 = 18.5m<sup>2</sup>  
 CEILING HEIGHT 2.400m

**BUILDING SHORT SPECIFICATION - TO CURRENT NCC**

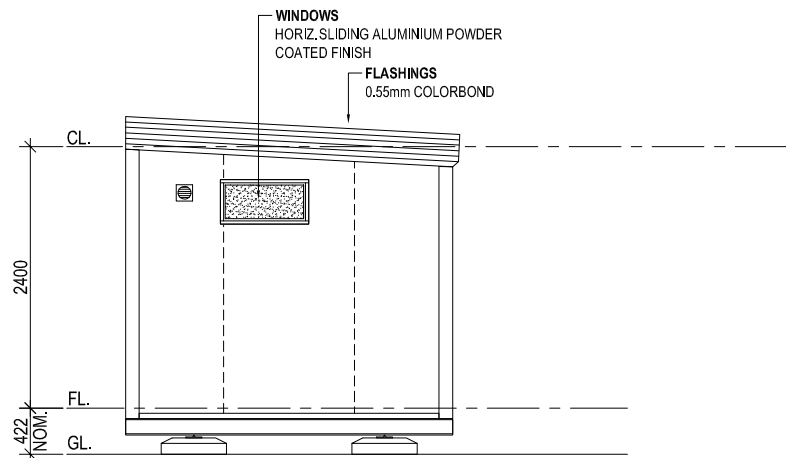
- CHASSIS - STEEL BEAMS c/w GALV. JOISTS 75 x 40 CEE SECTIONS @ MAX 400 CTRS
- CHASSIS PAINT SPEC. - 425 ZINC PHOSPHATE PRIMER, 2 COATS ALKYD PRIMER WET ON WET - BLACK - FOR CORROSION INHIBITION
- FLOORING - 22mmT&G AQUATITE TERMITE TREATED PARTICLE BOARD
- FLOOR COVERING - 2.0mm VINYL FLOOR FINISH c/w 100mm HIGH COVING - refer colour schedule
- EXTERNAL WALLS - 100mm EPS CORE PANEL c/w 0.6mm COLORBOND facings - refer colour schedule
- FLOOR INSULATION - R2.0 IST75 between floor joists supported by BUILDER MESH below
- ROOF INSULATION - R2.5 EARTHWOOL BATTS between ceiling joists with IST55 ANTI-CONDENSATION BLANKET under roof sheets
- ROOF & CEILING FRAME - GALV. STEEL FRAMEWORK
- ROOF CLADDING - SUPERDEK SHEETING - refer colour schedule
- CEILING - PRE-FINISHED PLYWOOD c/w ALUMINIUM CORNICE - refer colour schedule
- ROOF FLASHINGS & CORNER TRIMS - COLORBOND - refer colour schedule
- DOOR FRAMES - METAL POWDERCOATED FINISH - refer colour schedule

**EQUIPMENT LIST**

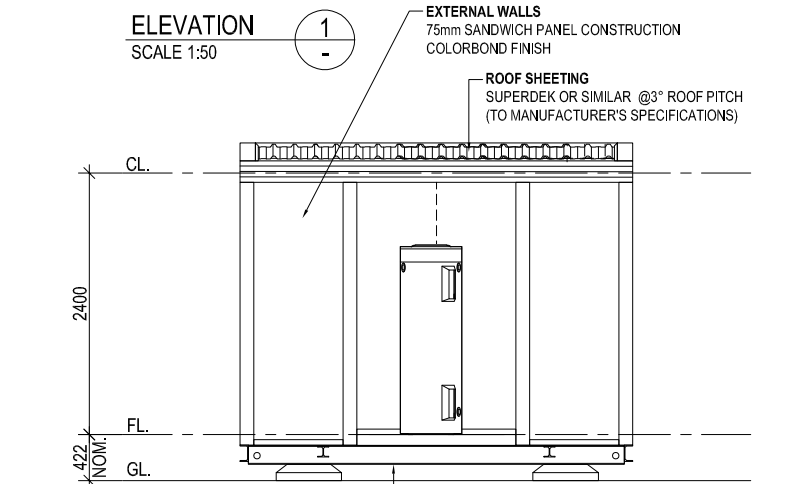
No.	DESCRIPTION	QTY
D1	2040h x 920w PLAIN METAL EXTERNAL DOOR c/w ENTRANCE SET, INDICATOR BOLT AND CLOSER	2
W1	750h x 350w FIXED OBSCURE WINDOW	2
1	PAPER TOWEL HOLDER - WALL MOUNTED	2
2	COMPACT S.S. HAND BASIN c/w MIRROR & SHELF OVER	2
3	SOAP DISPENSER - WALL MOUNTED	2
4	COAT HOOKS OVER TIMBER SLAT BENCH	4
5	FIBREGLASS SHOWER CUBICLE c/w TAP SET, SHOWER ROSE AND SHOWER CURTIAN	2
6	315L ELECTRIC HWS	1



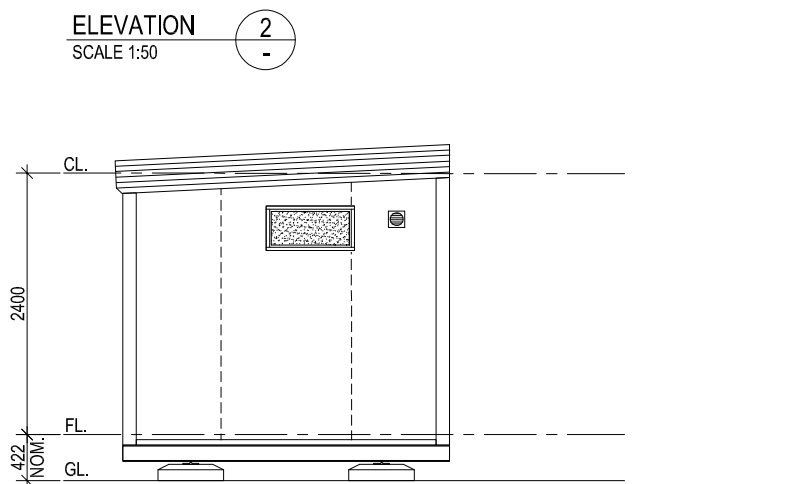
ELEVATION 1  
SCALE 1:50



ELEVATION 2  
SCALE 1:50



ELEVATION 3  
SCALE 1:50



ELEVATION 4  
SCALE 1:50

PAGE SIZE: A2		SCALE: 1:50			CLIENT: CBH - NARNGULU PROJECT		
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B RE-ISSUED FOR REVIEW		KP 15.06.18		INTERSTATE BRANCHES:		TITLE: FLOOR PLAN AND EXTERNAL ELEVATIONS	
A ISSUED FOR REVIEW		DAS 31.05.18		9-11 WOOD ST, BENDIGO, VIC 3552		QUOTE NUMBER: SQ12603-B03	
REV DESCRIPTION		DRWN   CHKD   DATE		PH: 1800 123 272		JOB NUMBER: A-101	
				PH: 1800 123 272		REVISION: B	
				41-55 PLATINUM ST, CRESTMEAD, QLD 4132			
				PH: 1800 123 272			
				58 MCKINNON RD, BERRIMAH, NT 0820			
				PH: 8932 4900			
				FAX: 8932 4888			