

NEW PERFORATED METAL EXTRACT PANEL H3U122

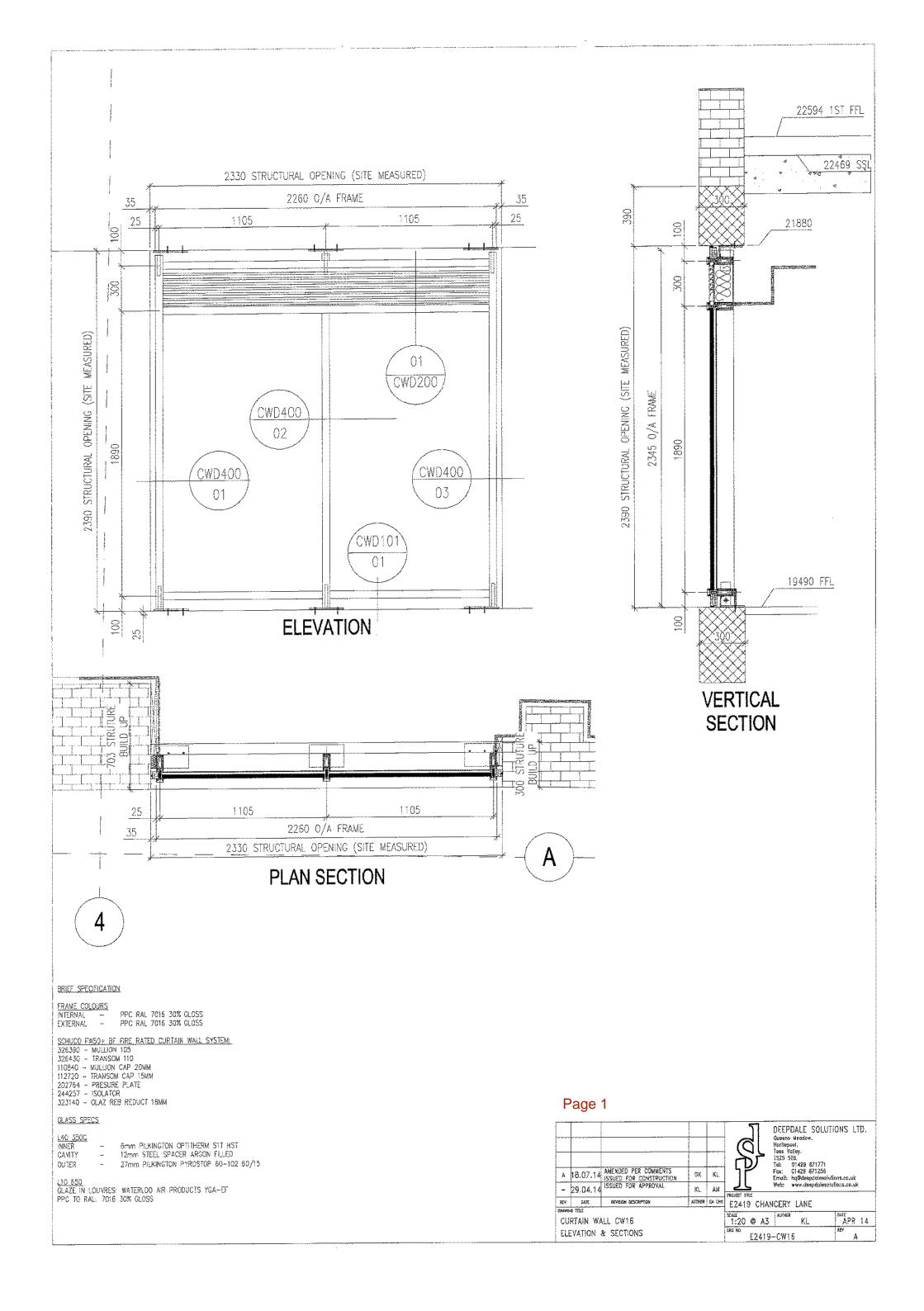
C2 15.05.14 NMA PLANNING ISSUE C1 27.01.14 CONSTRUCTION ISSUE

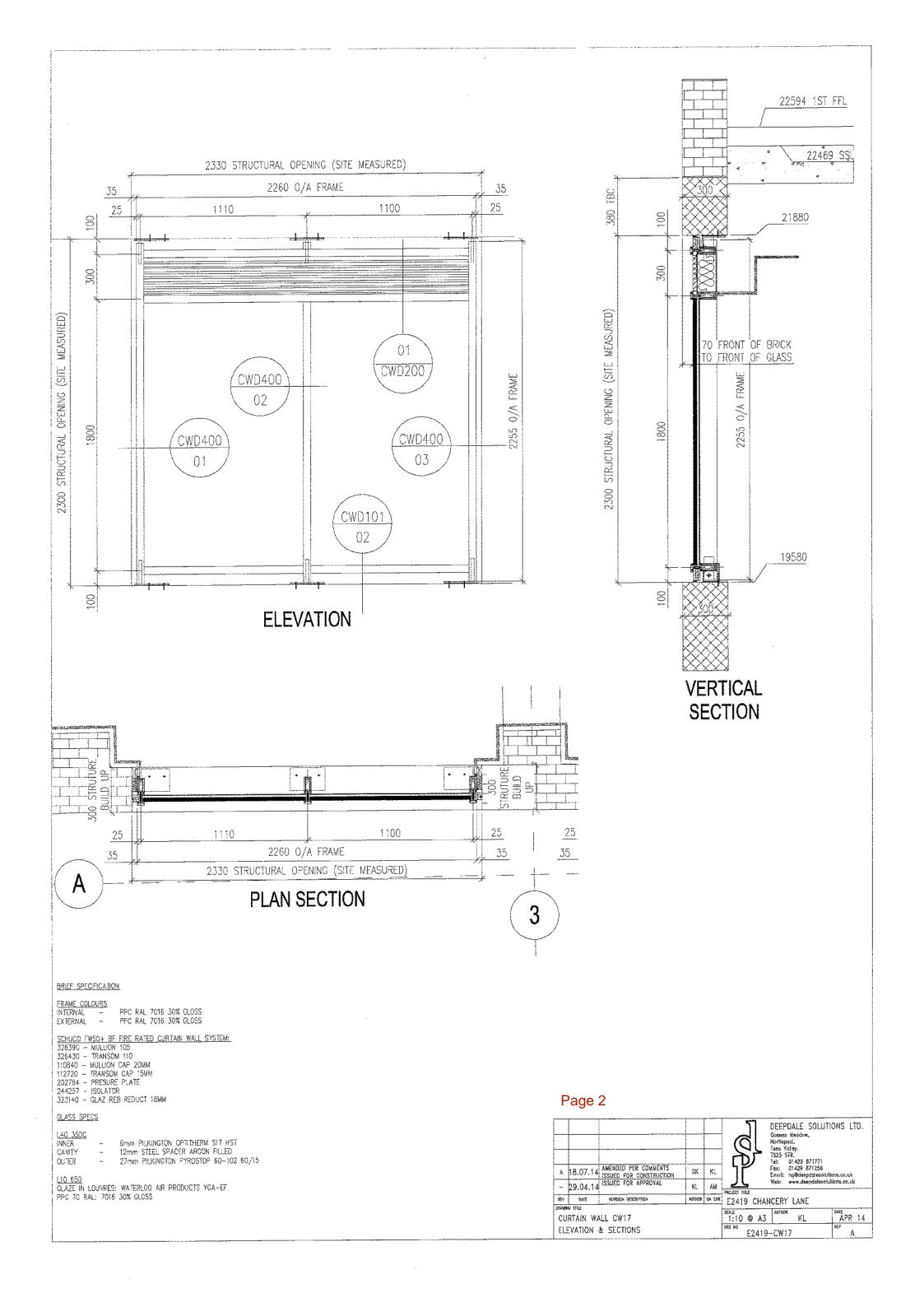
**ORMS** 

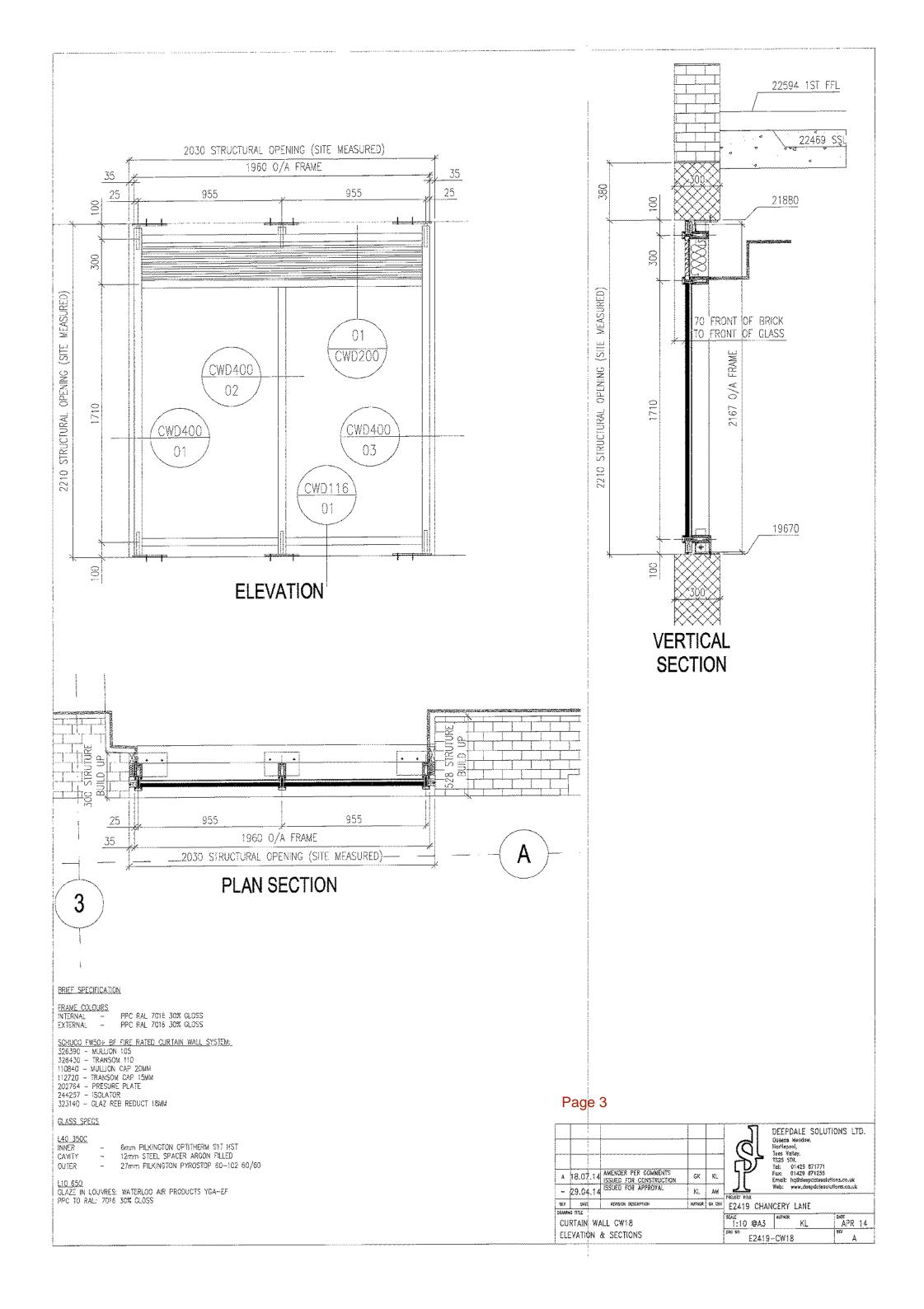
Architecture Design

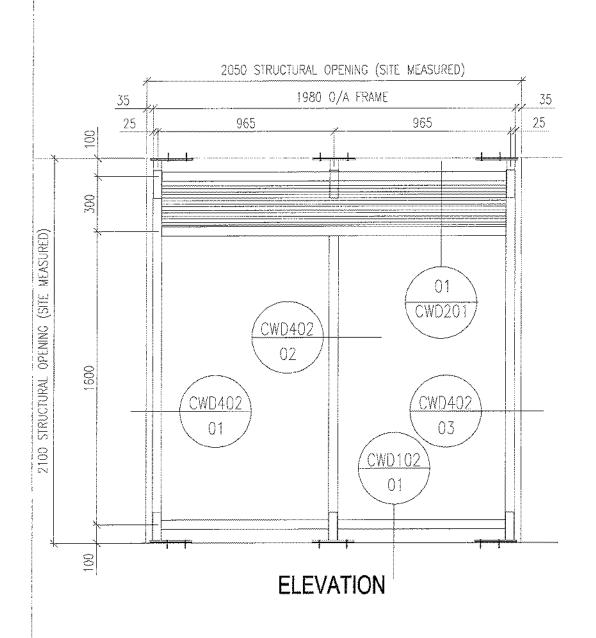
T 0207 833 8533 F 0207 837 7575 E orms@orms.co.uk

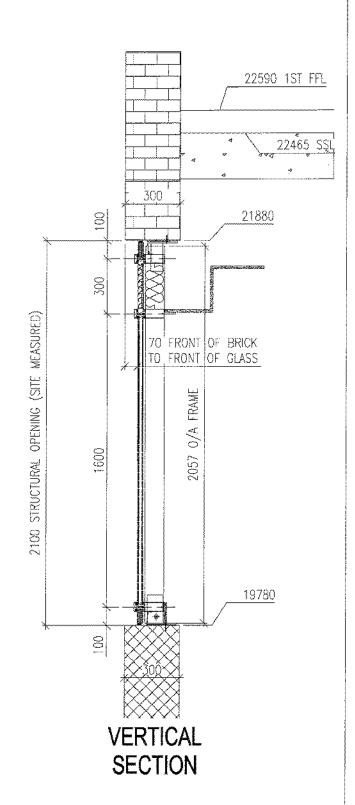
Status For information For tender For construction

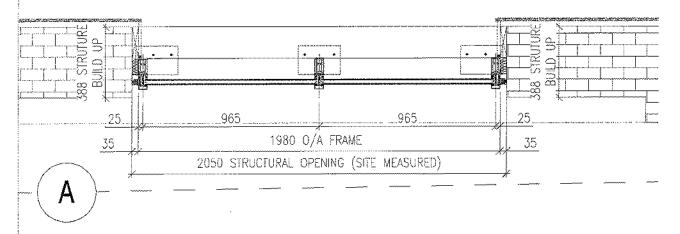












FRAME CGLOURS
INTERNAL - PPC RAL 7016 30% GLOSS
EXTERNAL - PPC RAL 7016 30% GLOSS

SCHUCO FW50+ CAPPED CURTAIN WALL SYSTEM:

110840 - COVER CAP 20MM

112730 - PUNCHED PRESS. PLATE

112720 - COVER CAP : ISMM

224803 - ISOLATOR PROF 25MM

322280 - MULLION 105MM

322730 - INSERT PROFILE

224862 - GLAZ REB GASK 5MM RH

224862 - GLAZ REB GASK 10MM

228678 - GLAZ BRIDGE 100X32X4

244295 - GLAZ BRIDGE 100X32X4

244295 - GLAZ GASKET 3.5MM RH

246683 - GLAZ GASKET 3.5MM RH

246680 - GLAZ GASKET 3.5MM RH

266663 - GLAZING SUPP FWSG+38

267446 - DEFLECTOR BLOCK

#### GLASS SPECS

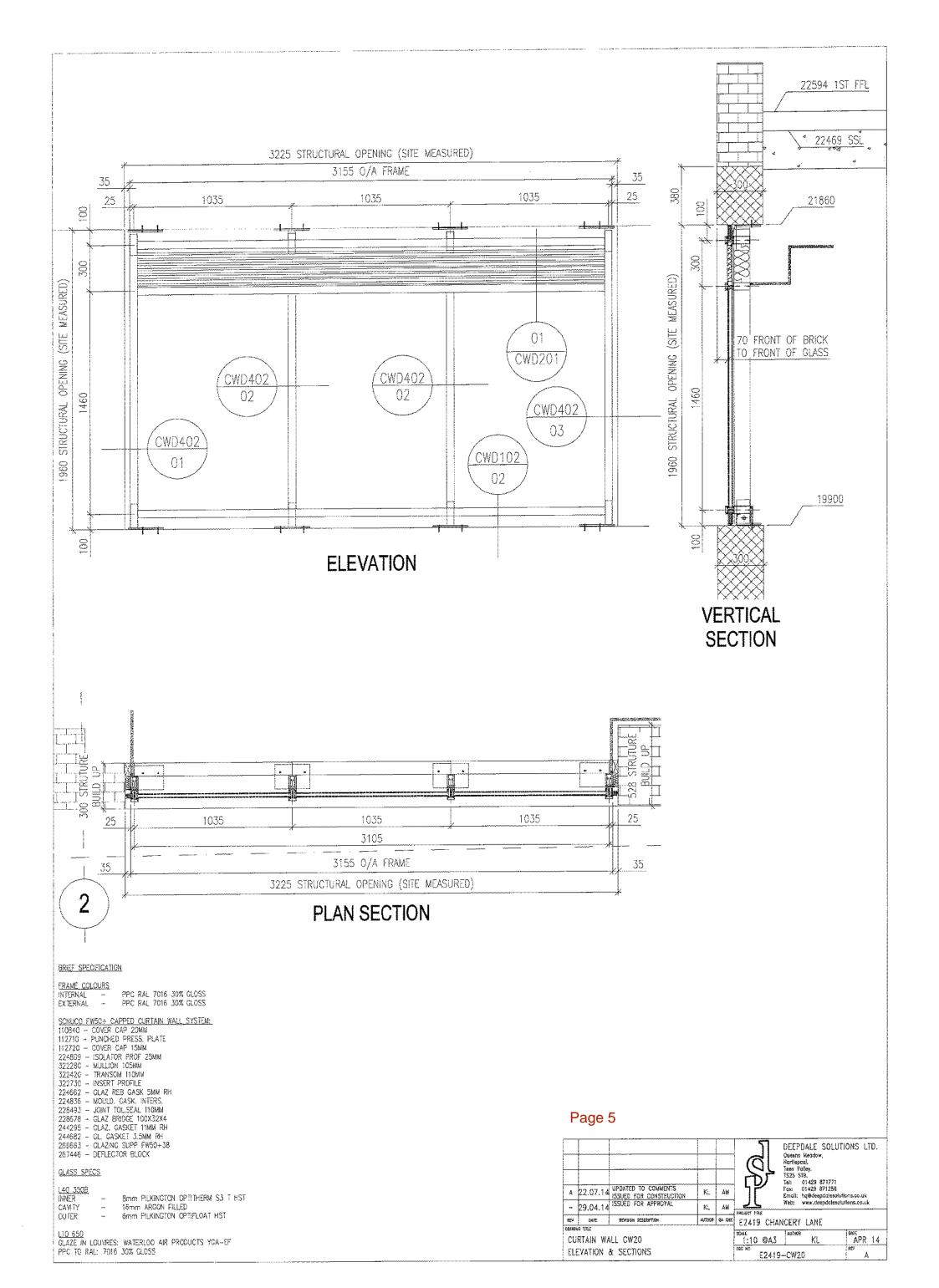
<u>L40\_350B</u> INNER

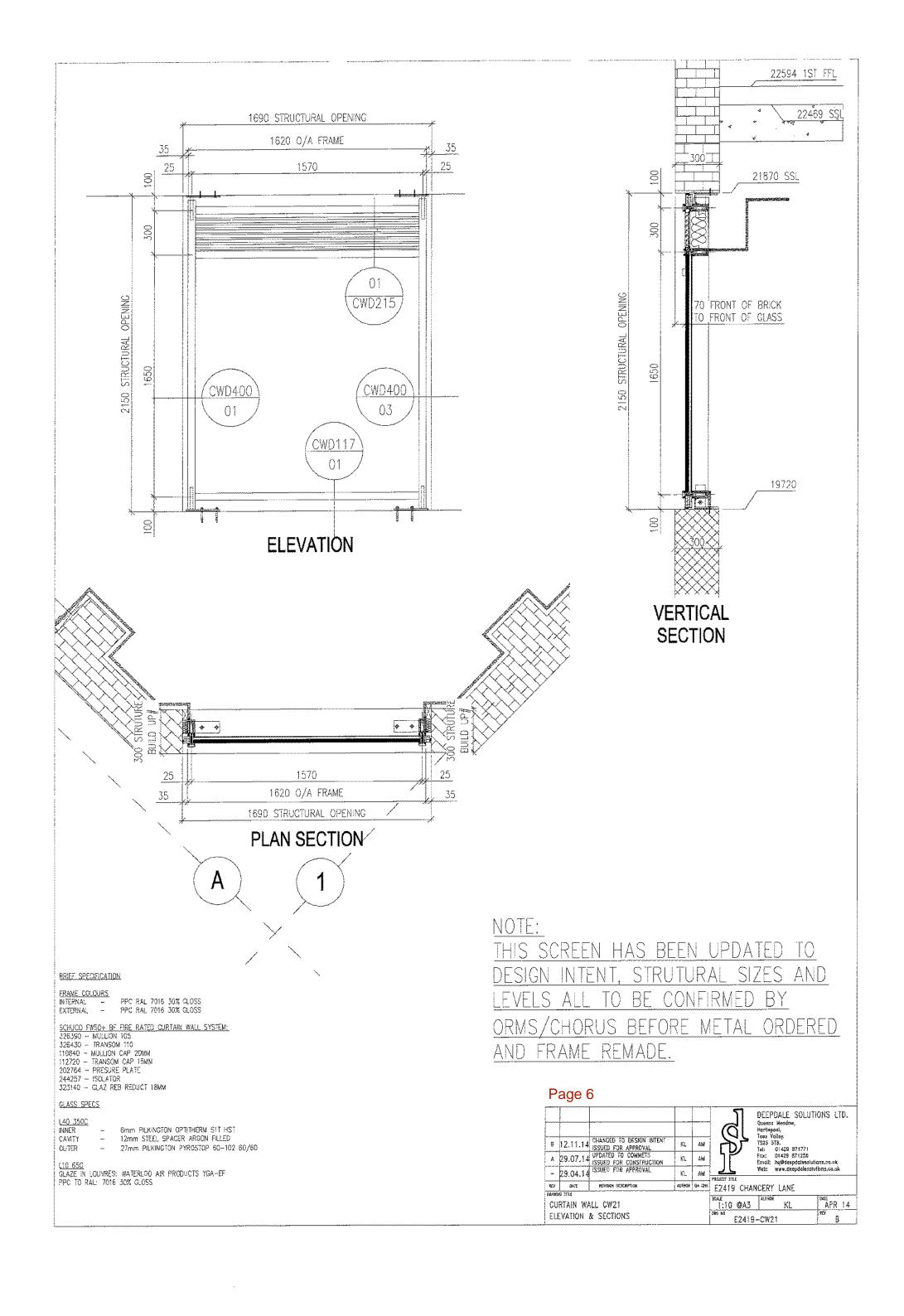
OUTER

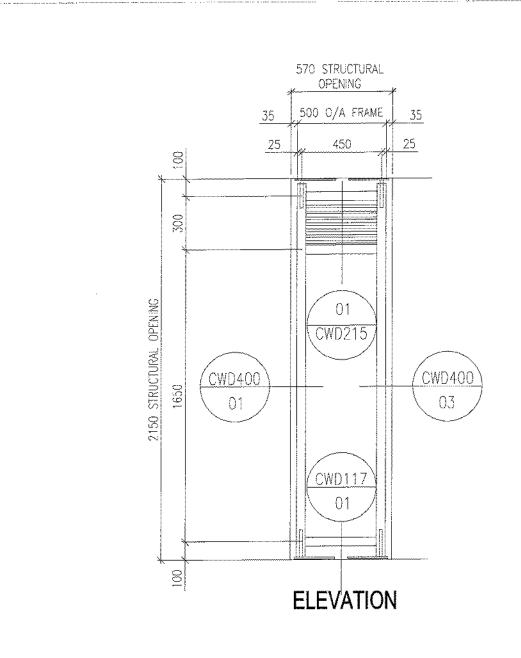
 8mm PILKINGTON OPTITHERM S3 T HST
 16mm ARCON FILLED
 6mm PILKINGTON OPTIFLOAT HST CAVITY

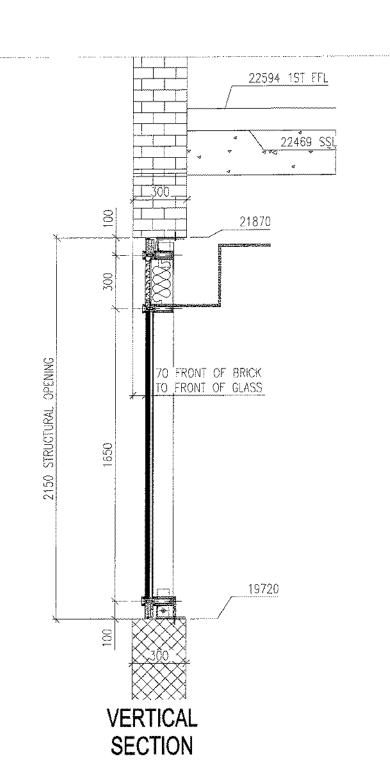
<u>L10 550</u> GLAZE IN LOUVRES: WATERLOO AIR PRODUCTS YGA-EF PPC TO RAL: 7016 30% GLOSS

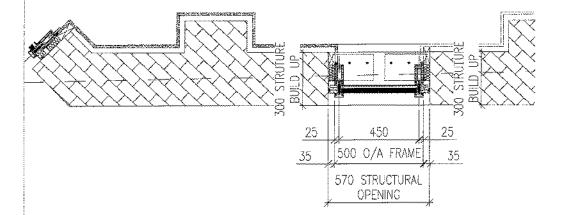
	22.07.14 29.04.14	UPDATED TO COMMENTS ISSUED FOR CONSTRUCTION ISSUED FOR APPROVAL	KL.	MA MA	DEEPDALE SOLUTIONS LTD Quasas Maddow, florificpool, fees Valley, 7525 STB. Tel: 01428 871771 Fax: 01428 871256 Email: hg@despdalesolutions.co.ak Web: www.despdalesolutions.ro.ak	•
शहभ	SATE	PEVISION DESCRIPTION	AUTHOR	ga chk	PROJECT STRUCE  E2419 CHANCERY LANE	
	io title RTAIN WA	LL CW19			SCALE AUTHOR KL PATE APR 1	4
£L£	S MOSTAVE	& SECTIONS			E2419-CW19 A	











FRAME COLOURS
INTERNAL - PPC RAL 7016 30% GLOSS
EXTERNAL - PPC RAL 7016 30% GLOSS

SCHUCO FW5Q+ BE FIRE RATED CURTAIN WALL SYSTEM:
325390 ~ MULLION 1C5
326430 ~ TRANSOM 110
110840 ~ MULLION CAP 20MM
112720 ~ TRANSOM CAP 15MM
202764 ~ PRESURE PLATE
244257 ~ ISOLATOR
323140 ~ GLAZ REB REDUCT 18MM

### GLASS SPECS

 L40\_350C

 INNER
 —
 6mm PILKINGTON OPTITHERM SIT HST

 CAVITY
 —
 12mm STEEL SPACER ARGON FILLED

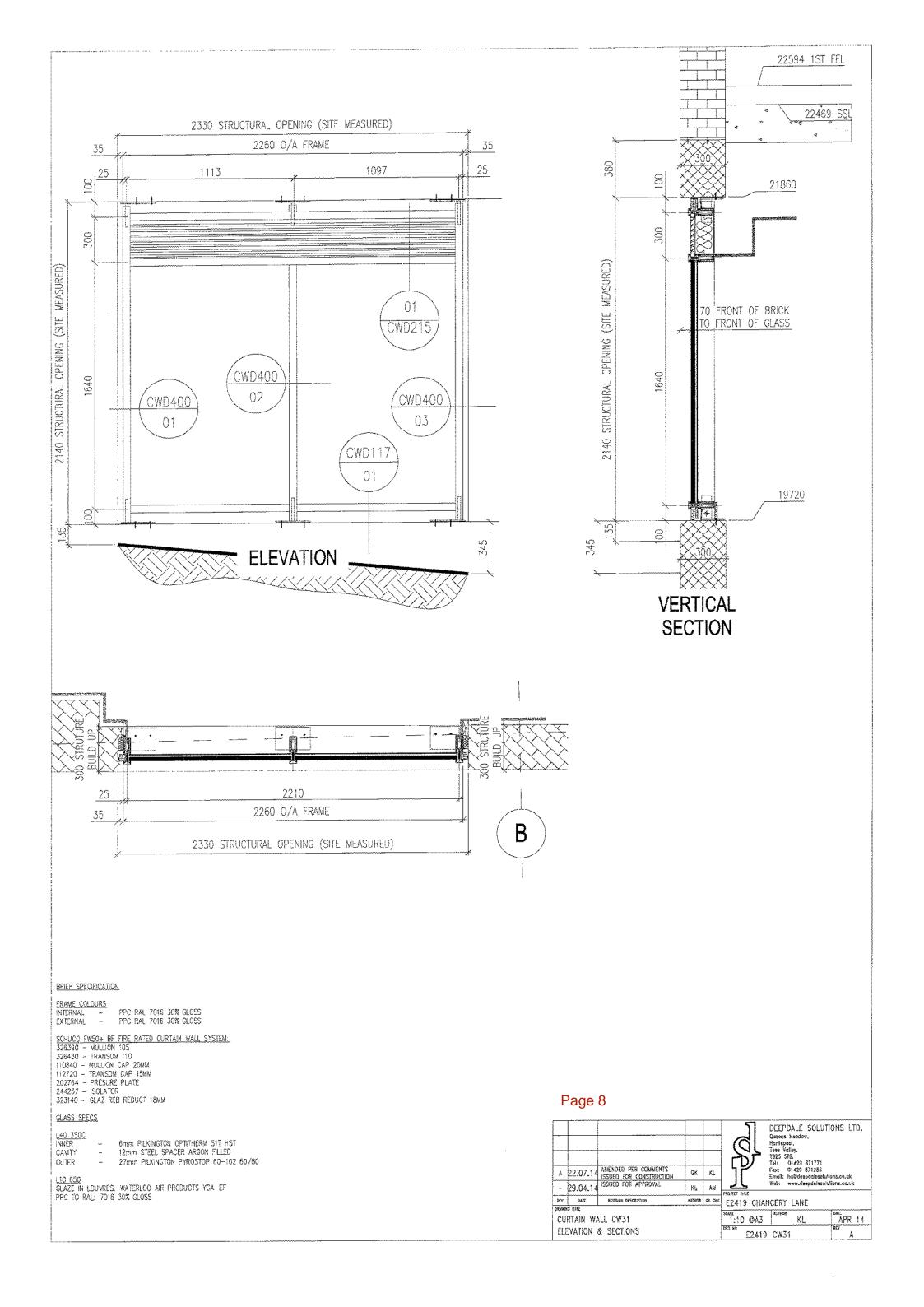
 OUTER
 —
 27mm PILKINGTON PYROSTOP 60—102 60/60

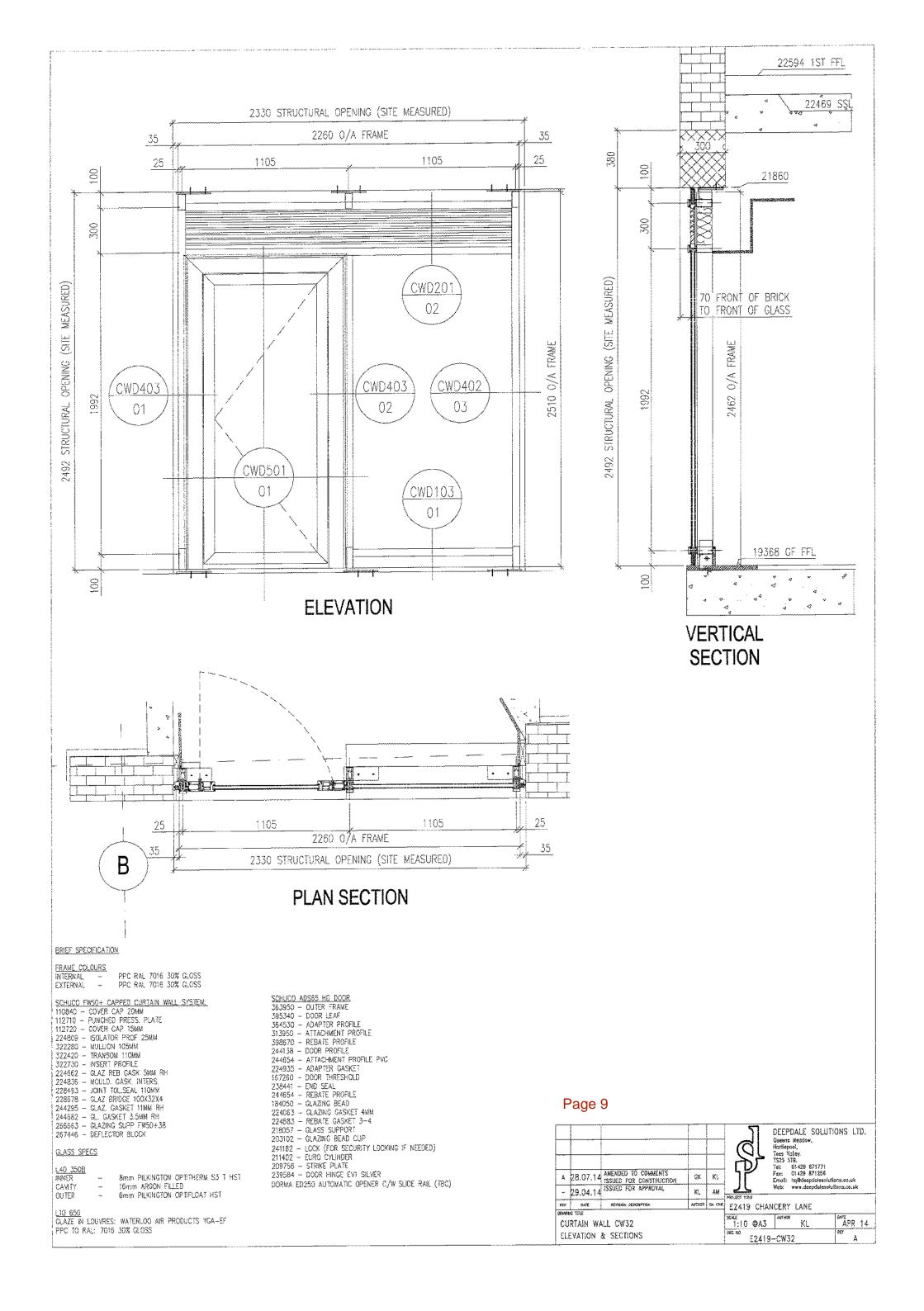
<u>£10.650</u> CLAZE IN LOUVRES: WATERLOO AIR PRODUCTS YGA-EF PPC TO RAL: 7016 30% CLOSS

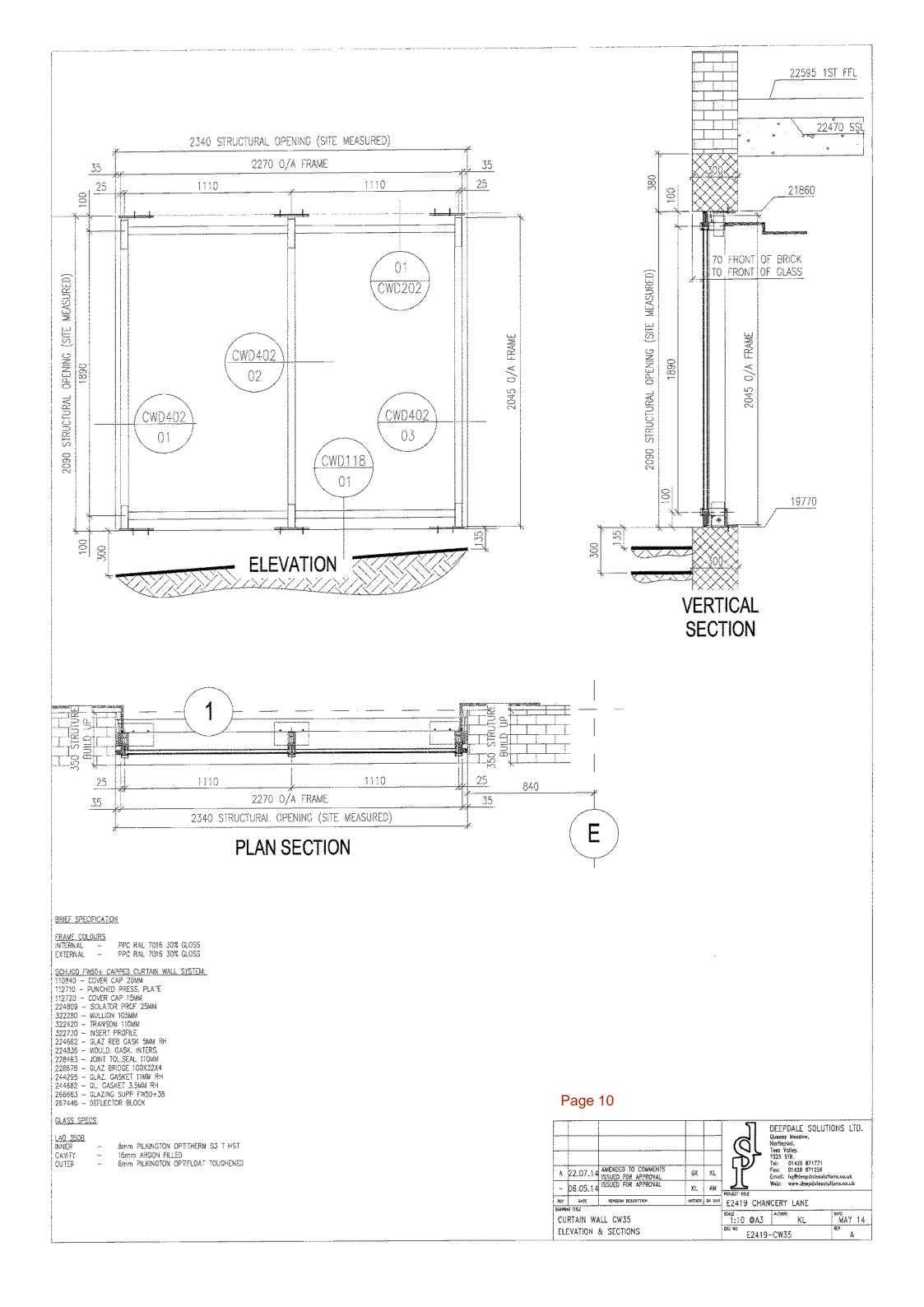
# NOTE:

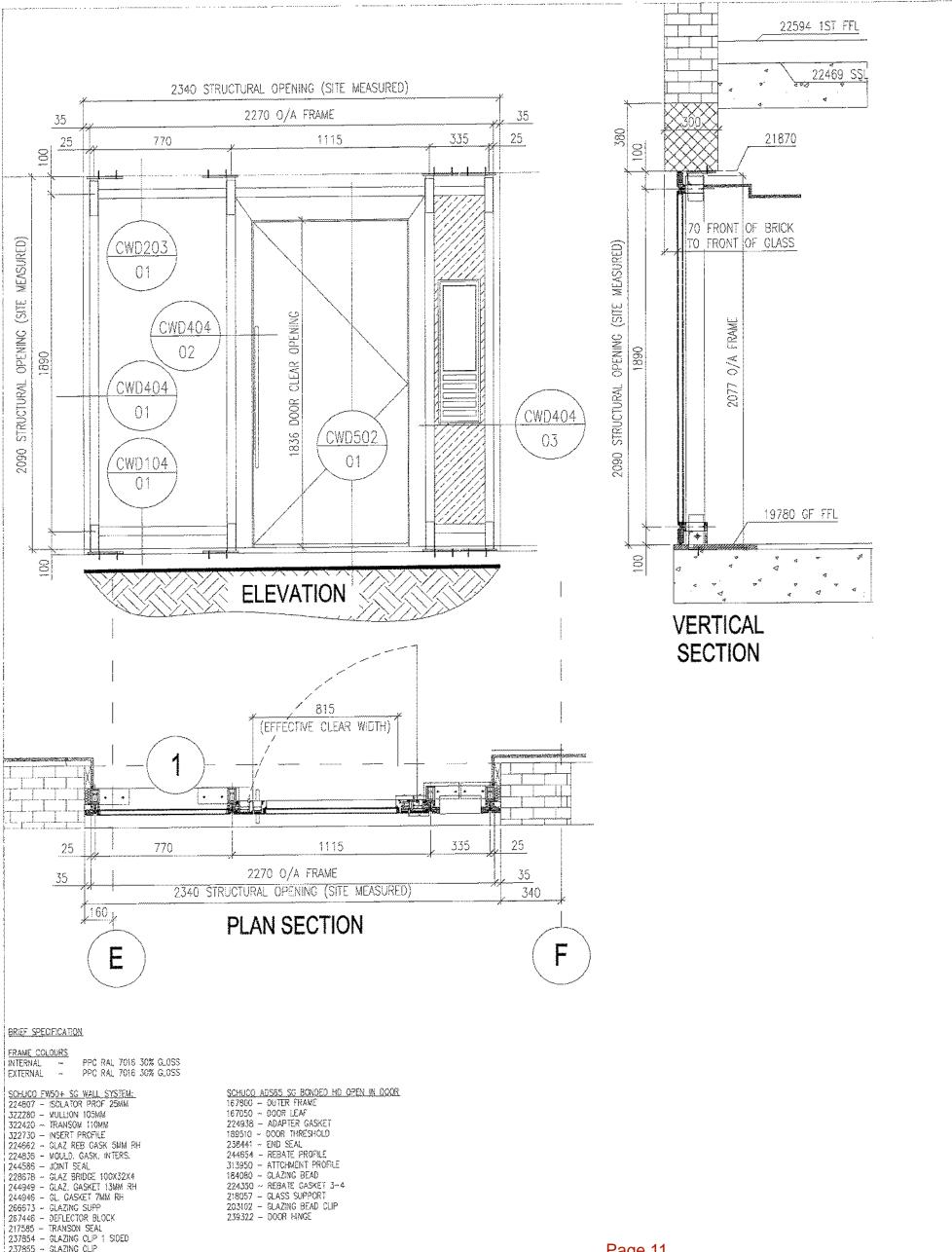
THIS SCREEN HAS BEEN UPDATED LEVELS ALL TO BE CONFIRMED BY ORMS/CHORUS BEFORE METAL ORDERED <u>AND FRAME REMADE.</u>

				**************************************	DEEPDALE SOLUTIONS LTD Queens Neodow, Barthspool, Taes Volley.	),
Ê	11,11.14	CHANGEO TO DESIGN INTENT ISSUED FOR APPROVAL	ΚŁ	AM	1526 STB. 161: 01 628 \$71771	
Д	29.07.14	INDUMO LAIR AANAINIAANA	sk	ΚŁ	Fax: 01429 871256 Email: hq@deepdalesplulfans.co.uk	
-	29.04.14	ISSUED FOR APPROVAL	KL.	AM	Web: www.deepdglesolulions.co.ck	
REV	9ATE	REVISION DESCRIPTION	AGETTH/CIR	GA CSIK		
Dyawa	6 計算				SCA;E JAUTHOR JATE	~~~
CU	RTAIN WA	ALL CW30			1:10 @ A3 KL APR	4
ĒLĒ	EVATION :	& SECTIONS			DRG MG E2419-CW30 B	









237855 - GLAZING CLIP

#### GLASS SPECS

<u>140 350A</u> INNER

 8mm Pilkington optitherm S3 1
 20mm Argon Filled
 5mm Pilkington optiwhite HST 8mm PILKINGTON OPTITHERM S3 T HST

CAVITY

OUTER

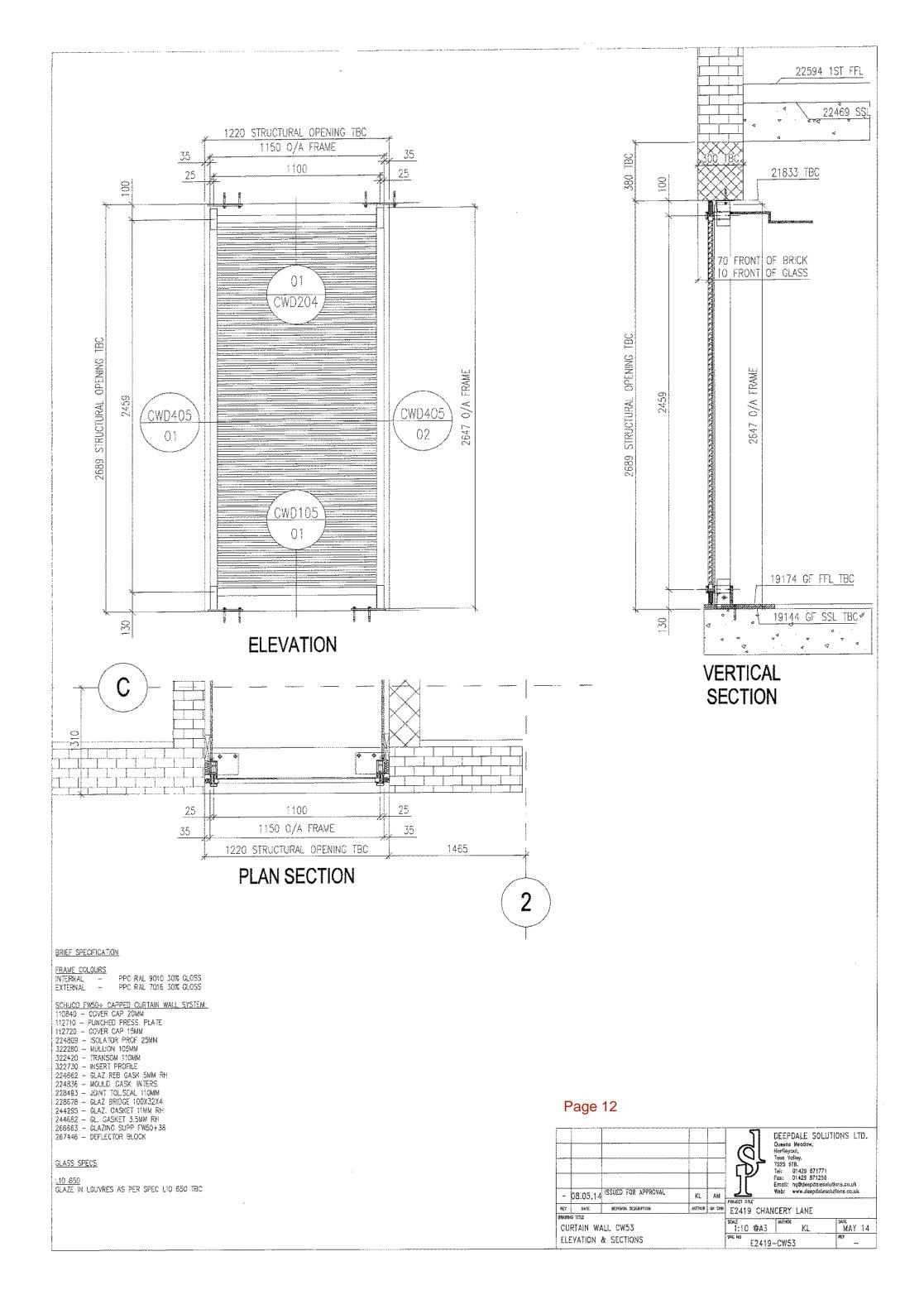
34mm CLAZE IN INSULATED PANELS
OUTER — 2mm ALUMINIUM PPC RAL 7016
CAVITY — 30mm CFC FREE INSULATION

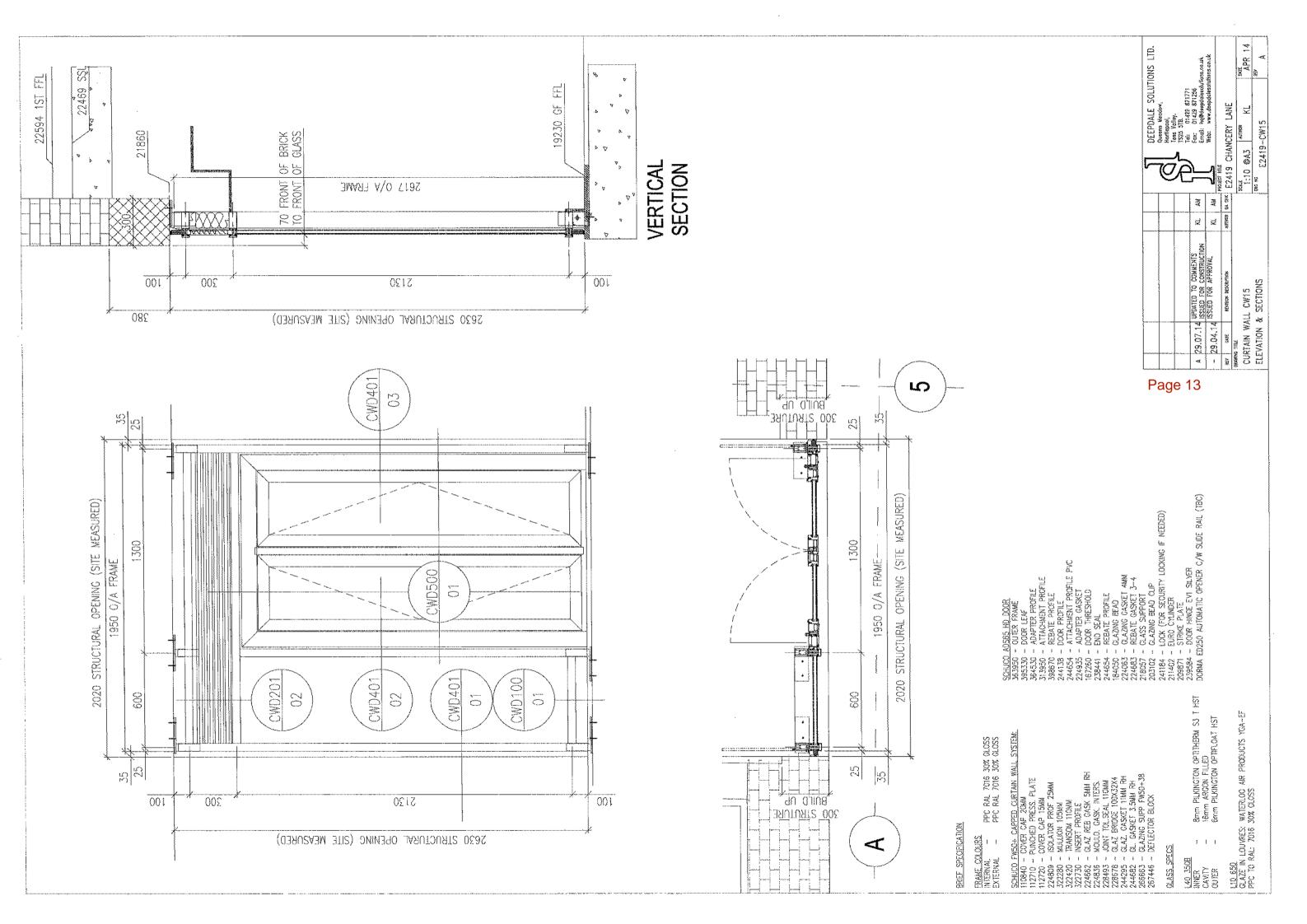
INNER - 2mm ALUMINUM PPC RAL 7016

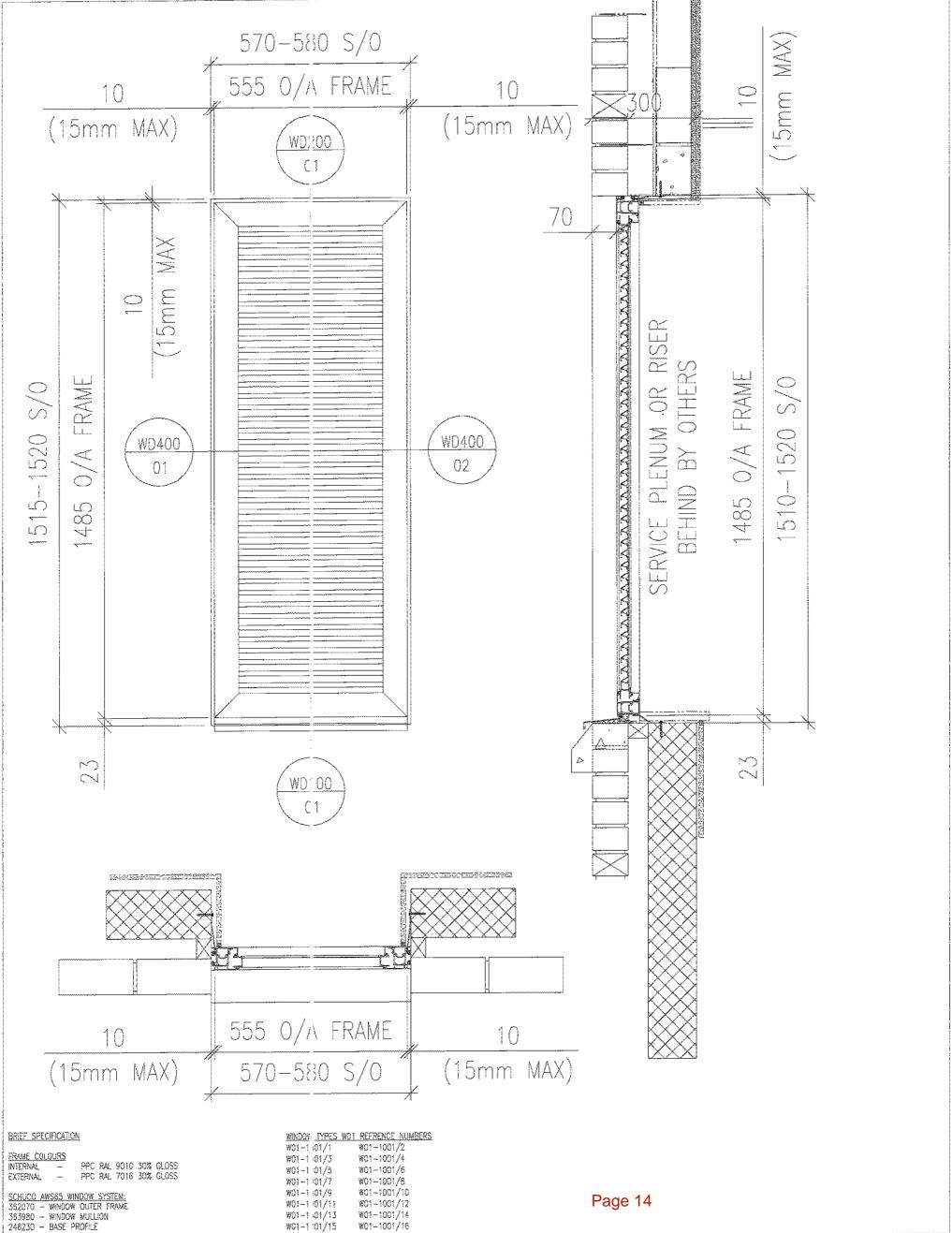


224350 ~ REBATE GASKET 3~4 2:8057 ~ GLASS SUPPORT 203102 ~ GLAZING BEAD CLIP 239322 ~ DOOR MINGE

A		AMENDES TO COMMENTS ISSUED FOR CONSTRUCTION ISSUED FOR APPROVAL	GΧ	K!	Harilepool, Harilepool, Tees Yd8øy. TS25 ST8. Tel: 01429 871271 Fox: C1429 871276 Emolit he@deepdalesoltifons.co.uk Wab: www.deeddlaeoltifons.co.uk	
-	07.05.14		K:	MA	290:001 1:115	_
REV	BATE	REVISION DESCREPTION	#17.HOK	GA CHK	E2419 CHANCERY LANE	
[29A%	ANG TOTAL					~~~
C	URTAIN WA	VLL CW36			1:20 @A3 KL MAY 14	
	EVATION :	& SECTIONS			E2419-CW36 A	







246230 - BASE PROFILE 184050 - GLAZING BEAD 224063 - GLAZING GASKET 4MM

284305 ~ CLAZING CASKET 5-6MM 288167 - CLAZING SUPPORT

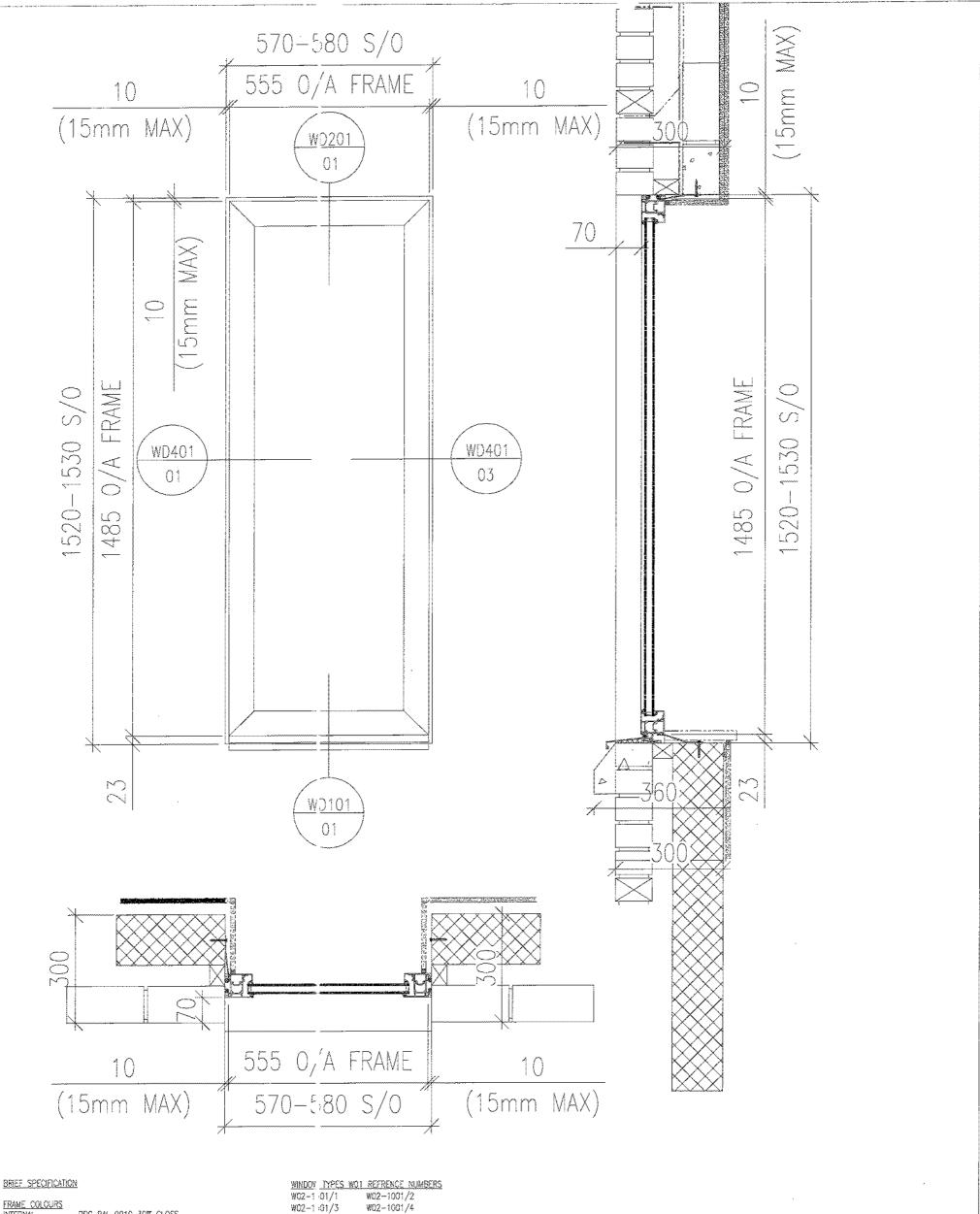
#### GLASS SPECS

L10 650 GLAZE IN LOUVERS AS PER SPEC L10 650 DUCO SOLID F30Z ALUMINIUM CLAZING LOUVER TO RAL:7016

NOTE:

REFER TO SCOPE OF WORKS DRAWING "E2419-1001" FOR APPRO: IMATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE DICTATE) BY OPENINGS.

A	20.05.14	SOURCE FOR ADDROVAL	GK	K1.		DEEPDALE SOL Queens Meadow, Harrispoot, Tees Yelfey. TS25 STB. Tel: 01429 87177 Fox: 01429 87125 Email: hg#deepdale: Web: www.deepdal	71 66
	30.04,14	COURT FOR ALTROPIAL	KL	AM	PROJECT SIGN		
8EV	STAC	REVISION DESCRIPTION	ACTROA	QA CHK		ANCERY LANE	
	o teli				SCALE	AUTINOR	3886
Wil	NDOW TY	PE WO1			1:5	KŁ,	APR 14
EL	EVATION	& SECTIONS			DRG NO E241	9-WIN-W01	A A



FRAME COLOURS
INTERNAL - PPC RAL 9010 30% GLOSS
EXTERNAL - PPC RAL 7016 30% GLOSS

SCHUCO AWS65 WINDOW SYSTEM: 362070 - WINDOW OUTER FRAME 363980 - WINDOW MULLION 246230 - BASE PROFILE 184050 - GLAZING BEAD

224063 - GLAZING GASKET 4MM

284305 - GLAZING GASKET 5-6MM 288167 - GLAZING SUPPORT

#### GLASS SPECS

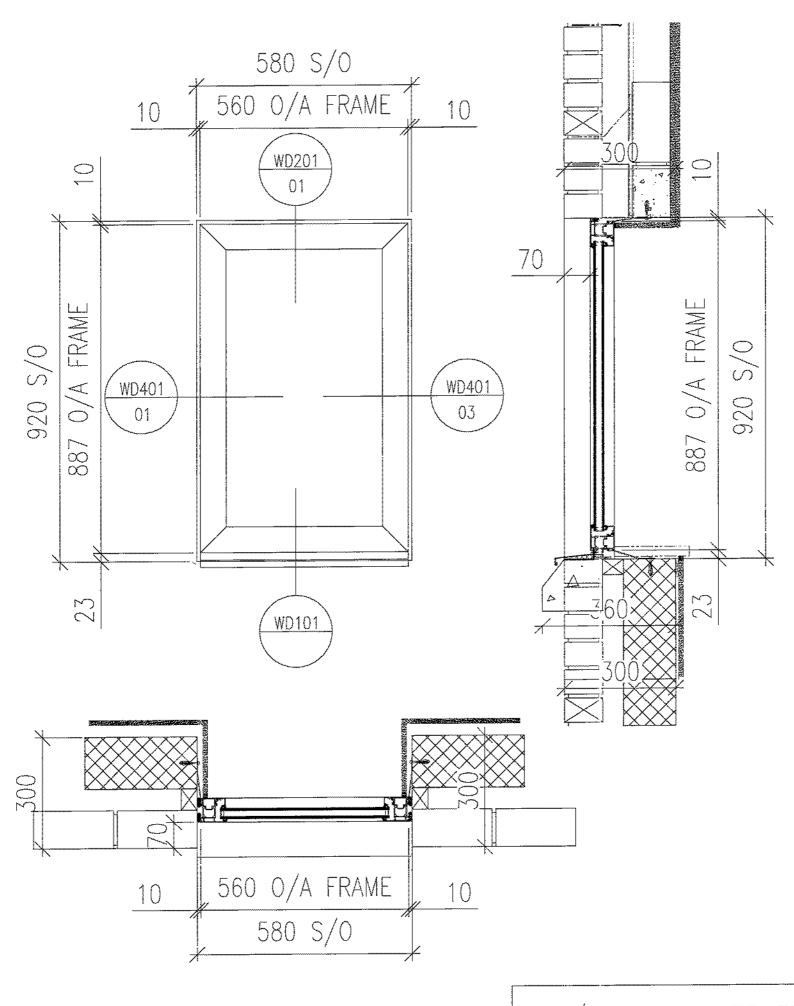
L40 350E
INNER - 6mm PILKINGTON OPTITHERM S3 T TOUGHENED
CAVITY - 16mm ARGON FILLED
OUTER - 6mm PILKINGTON OPTIFLOAT TOUGHENED

W02~1:01/3 W02-1001/6

W02-1:01/5 W02-1:01/7 W02-1001/8

REFER: O SCOPE OF WORKS DRAWING "E2419-1001" FOR APPRO: MATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE DICTATE ) BY OPENINGS.

A	20.05,14	roomes con indomin	GK KL	KL AM		DEEPDALE SOLU Queans Meadow, Hortlapool, Tass Vellay. T525 518. Tel: 01429 871771 Fox: 01429 871256 Email: hq®despdalesoit Web: www.despdalesoit	viians.co.uk
~	00.04.14		N.i.	AM	PRO MCS SITEE		·····
REV	DATE	REMINDA CESCRETTON	NOTED IN	QA CHIK	E2419 CHAN	ICERY LANE	
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Wil	NDOW TY	PE W02			50x1.6 1:5	AUTSON KL	APR 14
ELE	EVATION	& SECTIONS			086 NO E2419	-WIN-WO2	HEV A



FRAME COLOURS INTERNAL - PPC RAL 9010 30% GLOSS EXTERNAL - PPC RAL 7016 30% GLOSS

SCHUCO AWS65 WINDOW SYSTEM: 362070 — WINDOW OUTER FRAME 363980 — WINDOW MULLION

246230 — BASE PROFILE 184050 — GLAZING BEAD 224063 — GLAZING GASKET 4MM 284305 — GLAZING GASKET 5—6MM 288167 — GLAZING SUPPORT

#### GLASS SPECS

<u>140 350E</u>

INNER - 5mm PILKINGTON OPTITHERM S3 T HEAT SOAKED TOUGHENED GLASS (HST)

CAVITY - 16mm ARGON FILLED

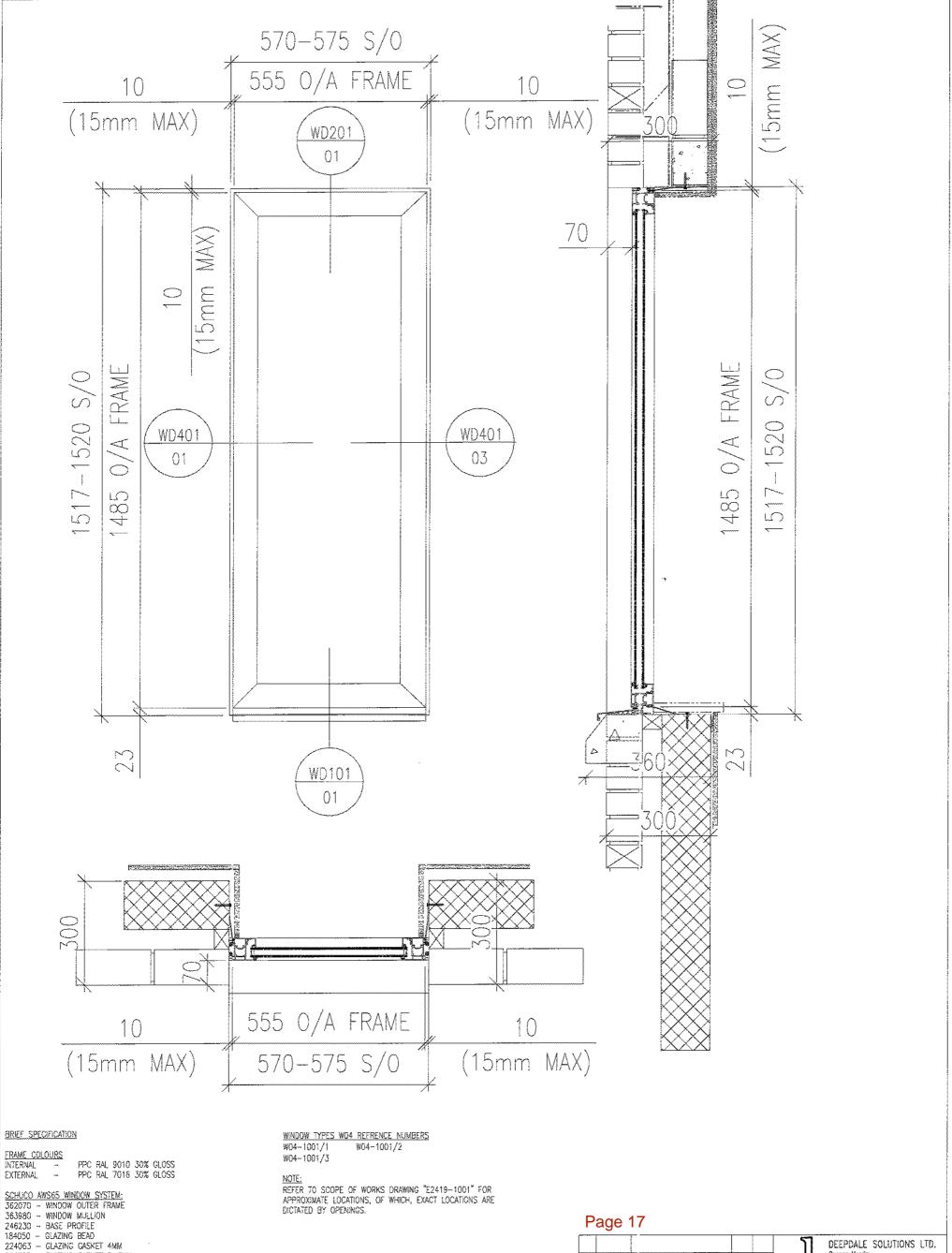
OUTER - 6mm PILKINGTON OPTIFLOAT HEAT SOAKED TOUGHENED GLASS (HST)

WINDOW TYPES WOI REFRENCE NUMBERS W03-1001/1 W03-1001/2

NOTE: REFER TO SCOPE OF WORKS DRAWING "E2418-1001" FOR APPROXIMATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

S/O SIZES CONFIRMED BY CHORUS 10/06/14 ALUMINIUM CILL TO ACCOMMODATE BOTH BRICK AND CONC. CILL DETAILS

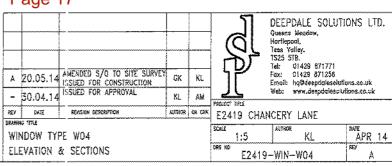
					ገ	DEEPDALE SOLUT	TIONS LTD.
Ç	12.06.14	UPDATED TO COMMENTS	GK	KŁ	ଜା	Cusens Meadow. Harlispool, Tees Yalley.	
8	10.06.14	UPDATED TO COMMENTS ISSUED FOR CONSTRUCTION	SK	ΚL		7525 57B. Tel: 01429 871771	
A	03.06.14	COMMENTS DATED US.DO.14	SK	KI.	ו אר	Fax: 01429 871256 Email: hq@deepdalesolu	
-	30.04.14	ISSUED FOR APPROVAL	KL.	AM	PROJECT TITLE	localobqeab,www idaW	uflores.co.uk
REY	DATE	revision description	AUTHOR	COA CSHK		NCERY LANE	
	NDOW TY	PE WO3			1:5	AUTHOR KL	APR 14
EU		& SECTIONS			E2419	)-WIN-W03	REY C

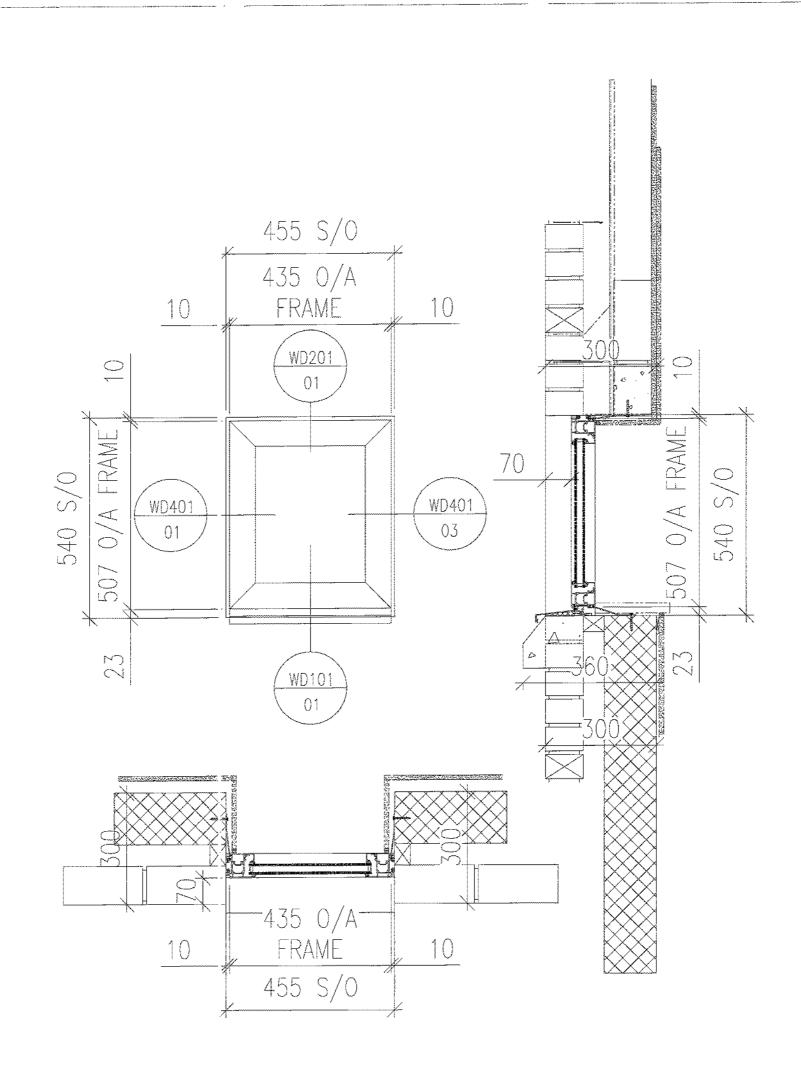


284305 - GLAZING GASKET 5-6MM 288167 - GLAZING SUPPORT GLASS SPECS

L40 350E INNER - 6mm PILKINGTON OPTITHERM S3 T TOUGHENED CAVITY - 16mm ARGON FILED

OUTER - 6mm PILKINGTON OPTIFLOAT TOUGHENED





 FRAMS\_COLOURS
 PPC
 RAL\_9010\_30%
 90.00%

 EXTERNAL
 PPC\_RAL\_7016\_30%
 90.00%

SCHUCO AWS65 WINDOW SYSTEM: 362070 - WINDOW OUTER FRAME 363980 - WINDOW MULLION

246230 - BASE PROFILE 184050 - GLAZING BEAD 224063 - CLAZING GASKET 4MM 284305 - GLAZING GASKET 5-6MM 288167 - GLAZING SUPPORT

#### GLASS SPECS

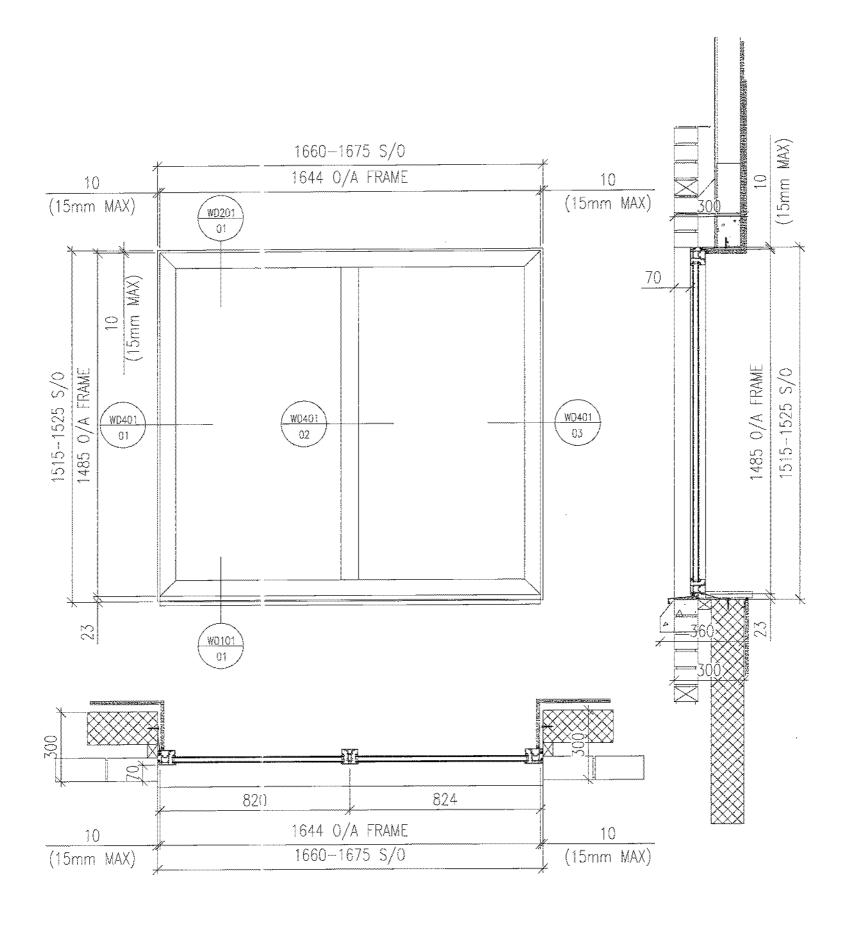
L40\_350E INNER ~ 6mm PILKINGTON OPTITHERM S3 T TOUGHENED CAVITY - 16mm ARGON FELED OUTER ~ 6mm PILKINGTON OPTIFLOAT TOUGHENED

WINDOW TYPES WOS REFRENCE NUMBERS

W05-1901/1 W05-1001/2 W05-1901/3 W05-1001/4 W05-1001/3

REFER TO SCOPE OF WORKS DRAWING "E2419-1001" FOR APPROXIMATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

	20 05 47	AMENDED S/C TO SITE SURVEY	GK	Ki	ST.	DEEPDALE SOLUTI Gueens Maadow, Harliepcol, Tees Volley. 1925 578. Tel: G1429 871771 Fax: 01429 871256	ONS LTD.
A	20.05.14	ISSUED FOR CONSTRUCTION	98.	N٤		Emoil: hq®deepdalesolu%	
-	30.04.14	ISSUED FOR APPROVAL	KL	ΑM		Web: www.deepdalesciu	fioes.co.uk
REY	DATE	RÉVISYON DÉSCRIFTRON	AJ/HGR	OA CRK	PROXECT INTE E2419 CHAN	CERY LANE	
SKAWS	ig sins				400m	WELLOW.	DAYE
WI	YT WOOD	PE WOS			1:5	AUTSOR KL	20.05.14
ELE	EVATION	& SECTIONS			E2419-	-WIN-W05	rey A



FRAME COLOURS
INTERNAL - PPC RAL 9010 30% GLOSS
EXTERNAL - PPC RAL 7016 30% GLOSS

SCHUCO AWS65 WINDOW SYSTEM:
362070 - WINDOW OUTER FRAME
363980 - WINDOW MULLION
246230 - BASE PROFILE
184050 - GLAZING BEAD
224063 - GLAZING GASKET 4MM
284305 - GLAZING GASKET 5-6MM
288167 - GLAZING SUPPORT

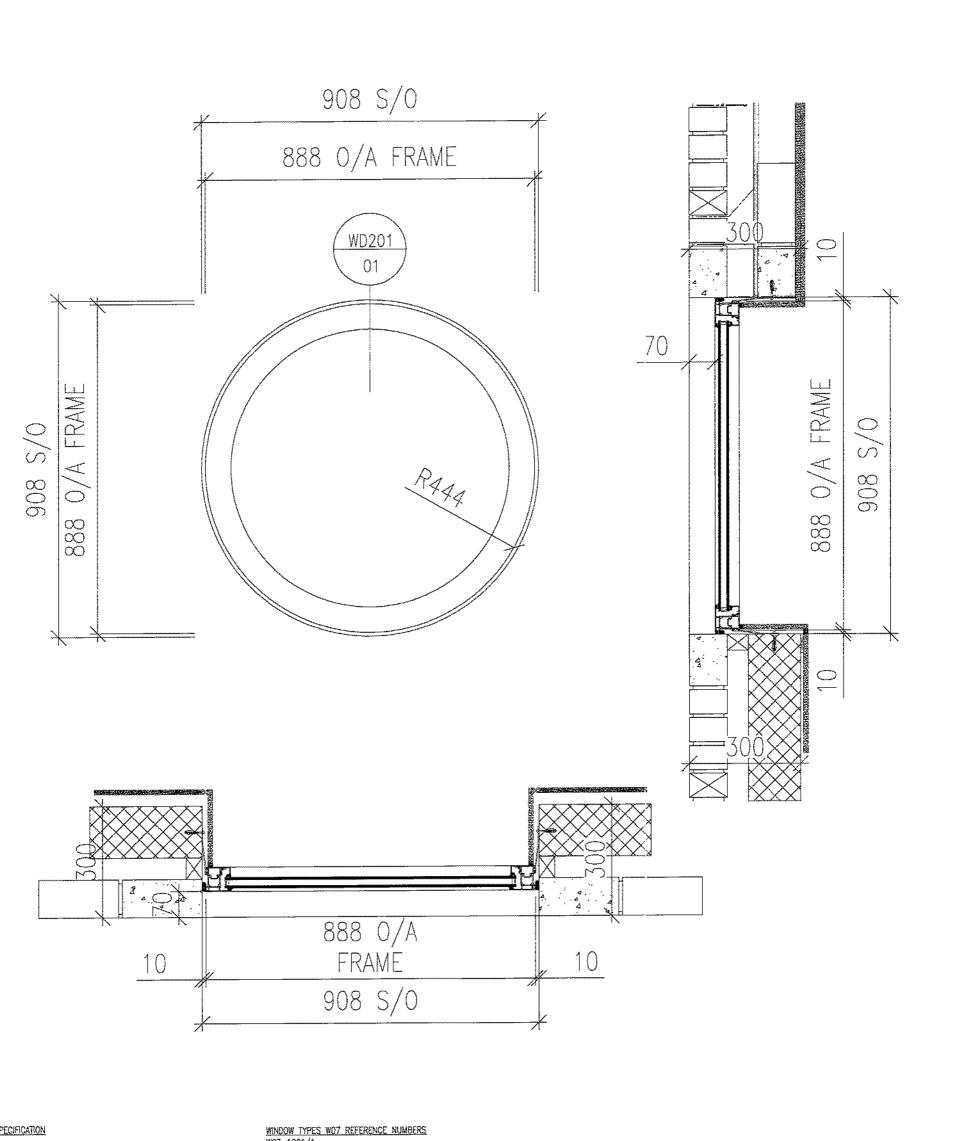
## GLASS SPECS

L40\_350E INNER - 6mm PILKINGTON OPTITHERM S3 T TOUGHENED CAVITY - 16mm ARCON FELED OUTER - 6mm PILKINGTON OPTIFLOAT TOUGHENED

WINDOW TYPES WOS REFRENCE NUMBERS
W06-1001/1 W06-1001/2
W06-1001/3 W06-1001/4
W06-1001/3 W06-1001/6
W06-1001/7 W06-1001/8 W06-1001/8 W06-1001/10 W06-1001/9 \(\text{W06-11:01}/19\)\(\text{W08-10:01}/10\)\(\text{W08-10:01}/12\)\(\text{W08-10:01}/13\)\(\text{W08-10:01}/14\)\(\text{W08-10:01}/15\)\(\text{W06-10:01}/15\)\(\text{W06-10:01}/17\)\(\text{W06-10:01}/18\)\(\text{W08-10:01}/18\

NOTE:
REFER TO SCOPE OF WORKS DRAWING "E2419-1001" FOR APPROXIMATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

A	20.05.14	DAO DINES DILET TO MOINERIM	GK	kt.	140F	Queens Headow, Herflepool, Teas Yolley. 1525 576. Tel: 01429 871 Fax: 01429 871 Email: he@deepdo	256 Jessletions.cc.uk
-	30.04.14	ISSUED FOR APPROVAL	KL	AM	PROJECT DIVE	Жер: жww.е́еере́	djesojnijosis corny
REV	DATE	REMISION DESCRIPTION	AVENOR	NHC AD		NCERY LANE	
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WIN	NDOW TY	PE WO6			1:8	KL.	APR 14
ELE	MOITAVE	& SECTIONS			ово но Е2419	9-WIN-W06	₹27 



FRAME COLOURS

INTERNAL — PPC RAL 9010

EXTERNAL — PPC RAL 7016

SCHUCO AWS65 WINDOW SYSTEM:
362070 — WINDOW OUTER FRAME
363980 — WINDOW MULLION
246230 — BASE PROFILE
184050 — GLAZING BEAD
224063 — GLAZING GASKET 4MM
284305 — GLAZING GASKET 5—6MM
288167 — GLAZING SUPPORT

#### GLASS SPECS

L40\_350E

INNER - 6mm PILKINGTON OPTITHERM S3 T HEAT SOAKED TOUGHENED GLASS (HST)

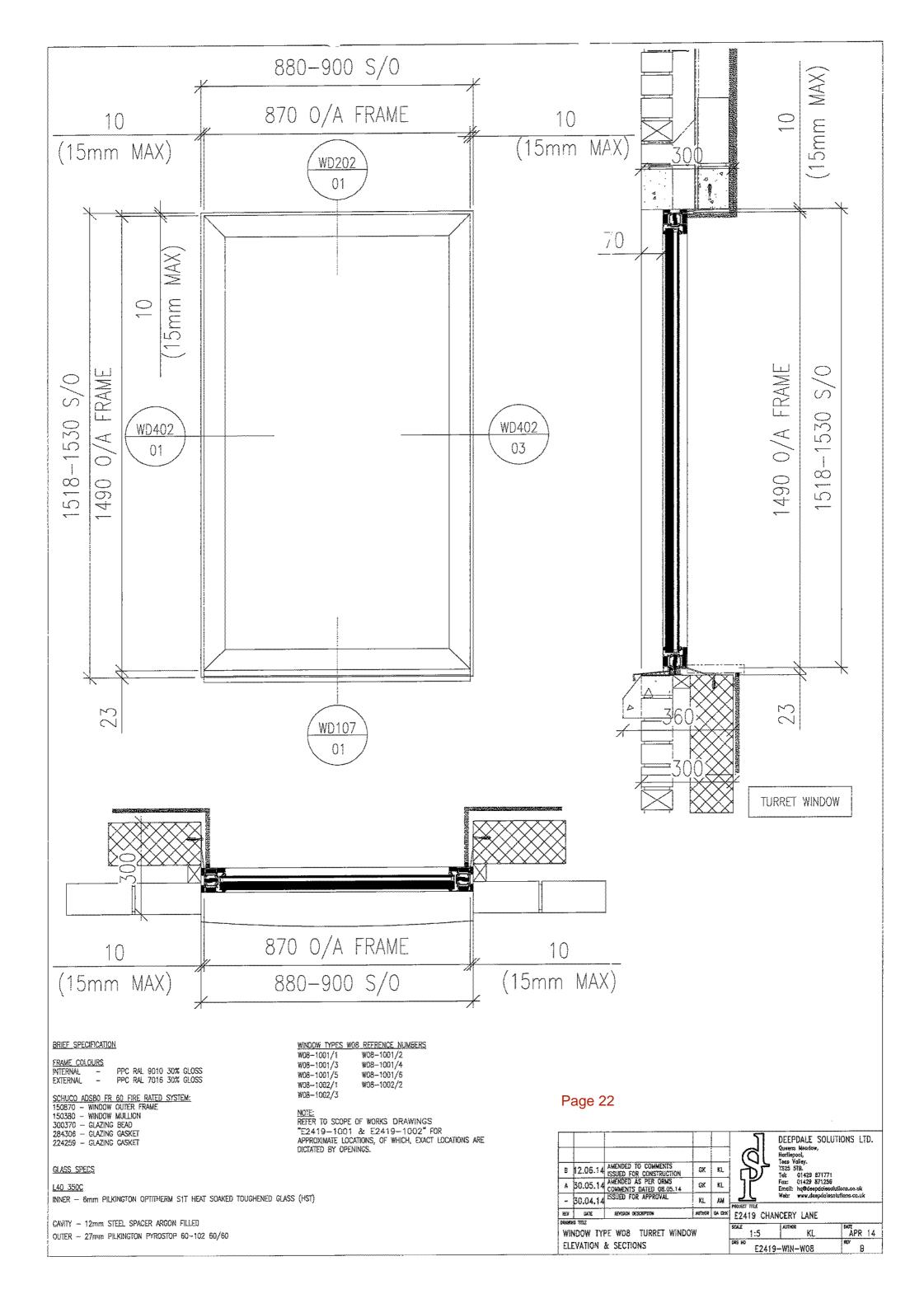
CAVITY - 16mm ARGON FILLED

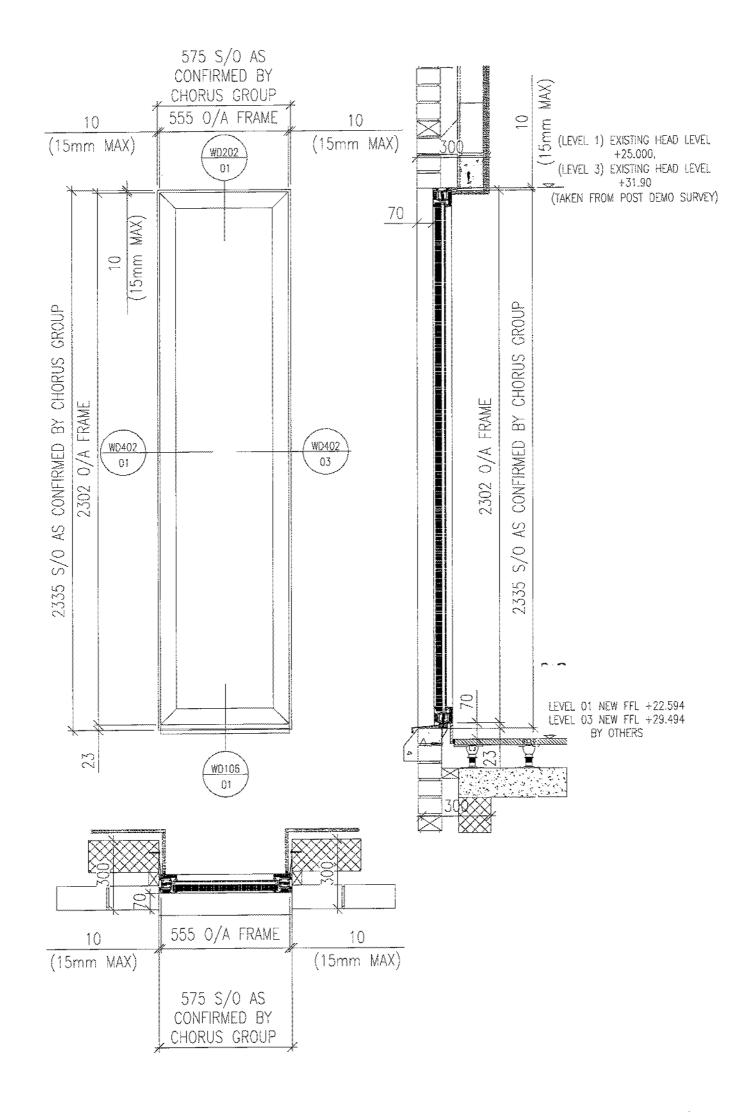
OUTER - 6mm PILKINGTON OPTIFLOAT HEAT SOAKED TOUGHENED GLASS (HST)

W07-1001/1

REFER TO SCOPE OF WORKS DRAWING "E2419-1002" FOR APPROXIMATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

	12.06.14 03.06.14	AMENDED PER COMMENTS ISSUED FOR CONSTRUCTION ISSUED FOR APPROVAL	GK	Kî.		DEEPDALE SOLU Queens Meadow, Hortlepool, Tees Valley, TS25 5TB. Tel: 0!429 871771 Fax: 01429 871256 Emdl: hp@despcdiesot Web: www.despdaless	triions.co.uk
***	UJ.V0.14		OV.	VF	PROJECT TITLE	·····	
REF	CARE	HEYSSEN DESERPTION	KUHUK	OY CHK		NCERY LANE	
DILAMIN	IC TITLE				SCAF	ALTHOR	DATE
WIN	NDOW TY	PE W07			1:5	GK GK	JUNE 14
ELE	EVATION	& SECTIONS			ркс ко Е2419	-WIN-W07	ACV A





FRAME COLOURS

NTERNAL - PPC RAL 9010 30% GLOSS
EXTERNAL - PPC RAL 7016 30% GLOSS

SCHUCO ADS80 FR 60 FIRE RATED SYSTEM: 150870 — WINDOW OUTER FRAME 150380 — WINDOW MULLION 300370 — GLAZING BEAD

284306 - GLAZING GASKET 224259 - GLAZING GASKET

#### GLASS SPECS

L40 350C

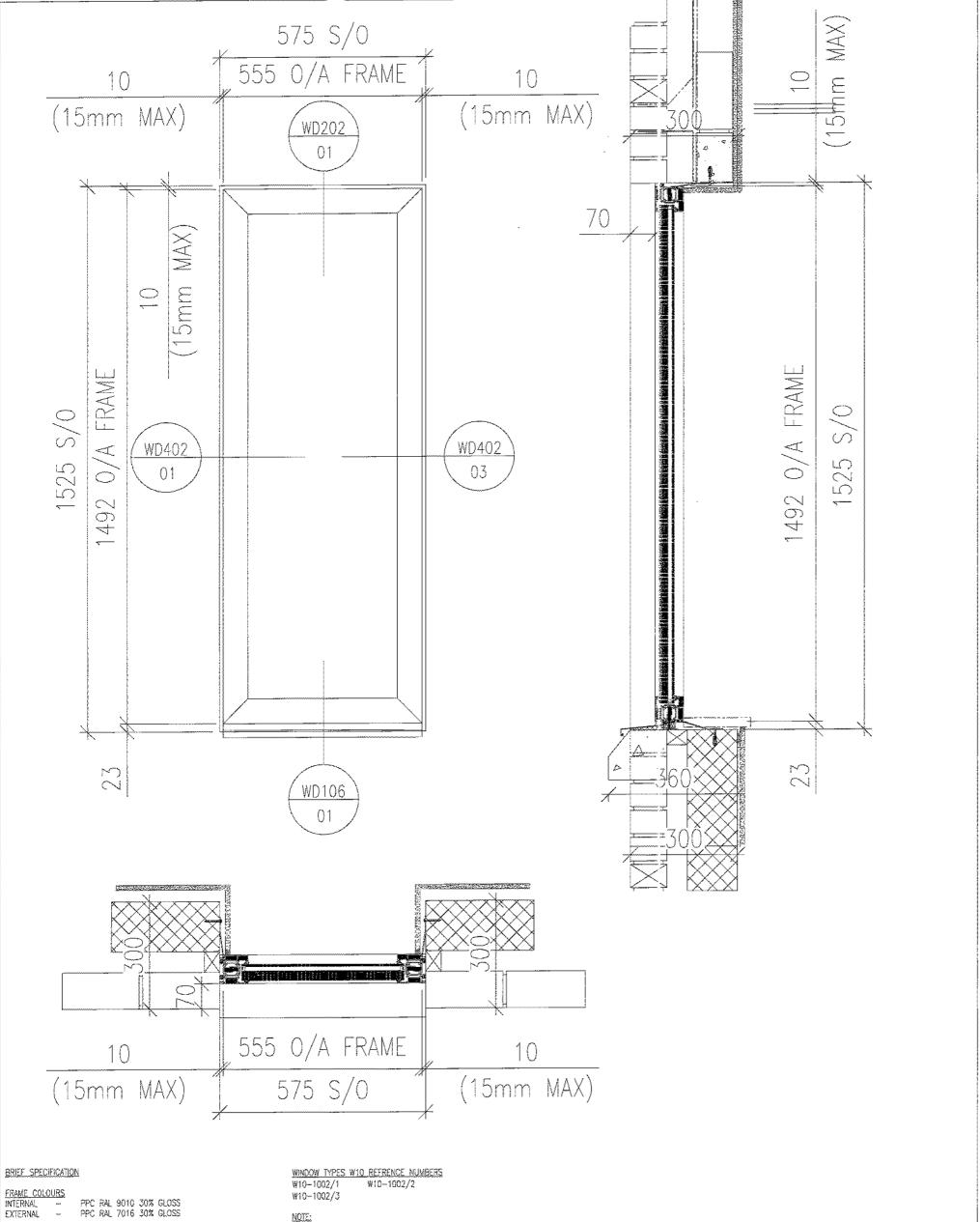
INNER – 8mm PILKINGTON OPTITHERM SIT TOUGHENED
CAVITY – 12mm STEEL SPACER ARGONJ FILLED
OUTER – 27mm PILKINGTON PYROSTOP 60–102 60/60

WINDOW TYPES WOO REFRENCE NUMBERS

W09-1002/1 ¥09~1002/2 W09-1002/3 W09-1002/4 W09-1002/5 W09-1002/6

NOTE: REFER TO SCOPE OF WORKS DRAWING E2419-1002 FOR APPROXIMATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

£	04.06.14	LPDATED TO COMMENTS	Ki.	GK	S	DEEPDALE SOL Queens Meddow, Hartlepool, Tees Volley, TS25 STB. Tet: 01429 87177	
Д	28.05.14	AMENDED AS PER ORMS (OMMENTS DATED 07.05.14	GK	KL	וו	Fax: 01429 87125 Email: hq@deepdalet	is solutions.co.uk
	30.04.14	IDSUED FOR APPROVAL	ΚL	AM	PROJECT TRUE	Web: www.deepcole	esolutions.co.uk
REV	ÇATE	REVISION DESCRIPTION	ALFTH≅#	SA CHK	1	ANCERY LANE	
	G BILE				SCALE	AUS-HOR	RATE
Wil	IPOW TY	√£ MO3			1:5	KL KL	APR 14
ELE	EVATION	& SECTIONS			DAC NO E241	9-WIN-W09	₩7 B



SCHUCO ADS80 FR 60 FIRE RATED SYSTEM:
150870 — WINDOW OUTER FRAME
150380 — WINDOW MULLION
300370 — GLAZING BEAD
284306 — GLAZING GASKET

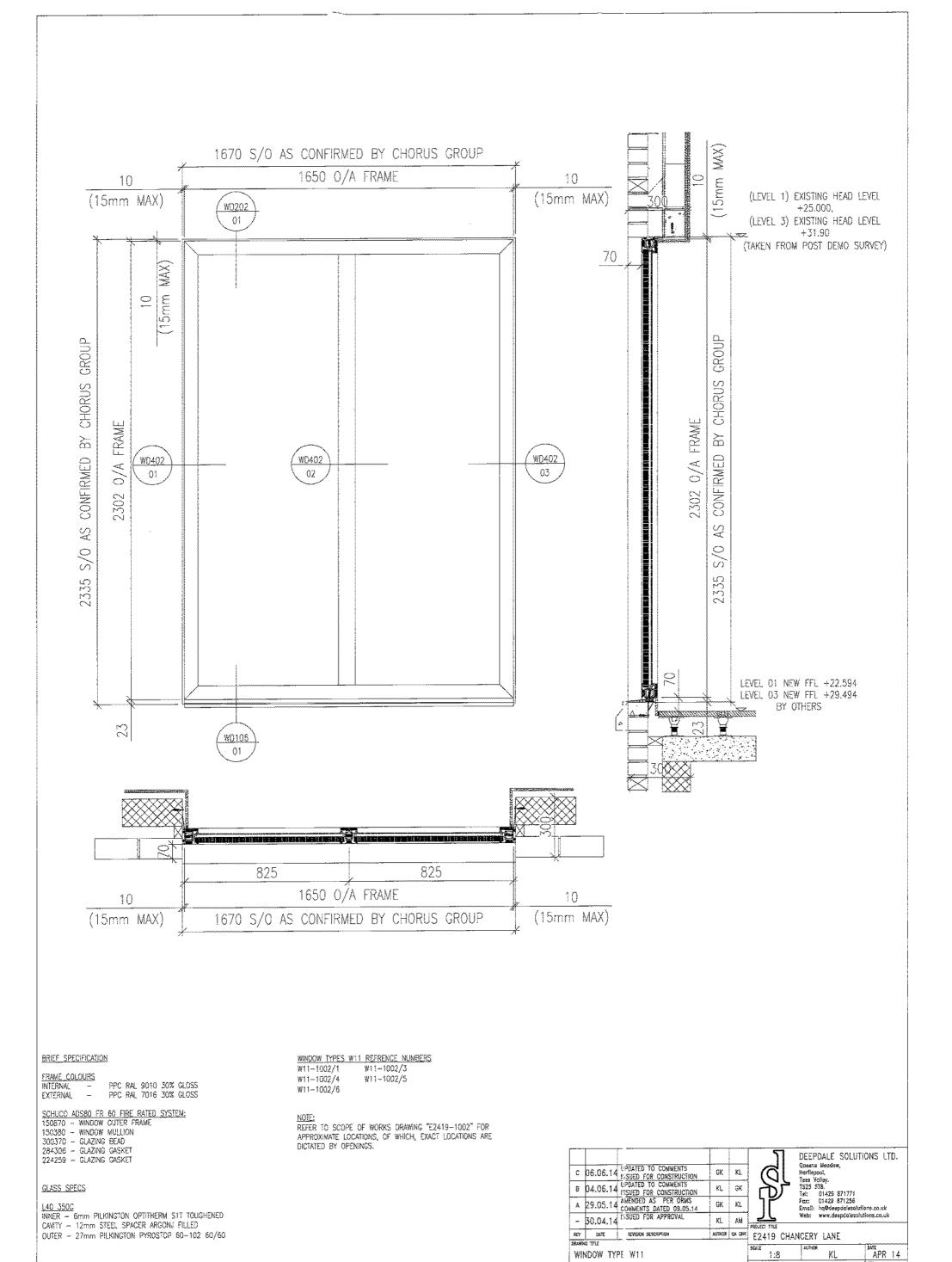
224259 - GLAZING GASKET

GLASS SPECS

140 350C INNER - Grom PILKINGTON OPTITHERM SIT TOUGHENED CAVITY - 12mm STEEL SPACER ARGON/ FILLED OUTER - 27mm PILKINGTON PYROSTOP 60-102 60/60

REFER TO SCOPE OF WORKS DRAWING "E2419-1002" FOR APPROXIMATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE

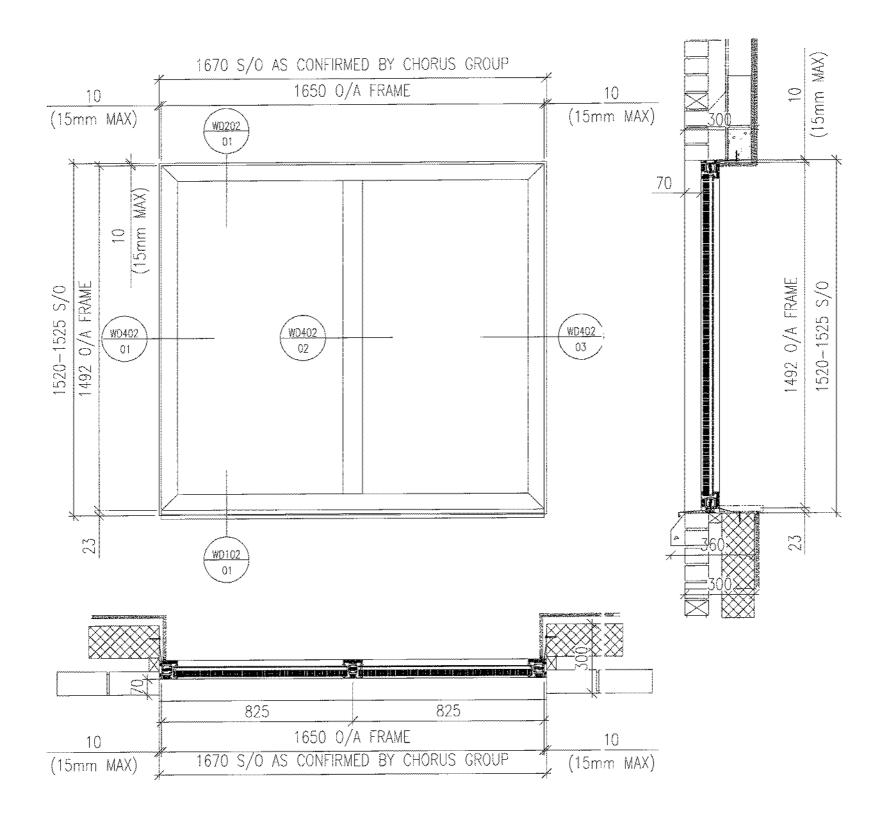
		EPDATED TO COMMENTS			ල[	DEEPDALE SOL Queens Meddow, Harflephol, Tees Valley.	UTIONS LTD.
₽	04.06.14	ISSUED FOR CONSTRUCTION		<u> </u>	·D万	' TS25 5TB. 7ei: 01429 87177	1
А	28.05.14	AMENDED AS PER ORMS COMMENTS DATED 09.05.14	GK	XI.	וו	Fax: 01429 B7125 Email: hq@seepdales	เอโซกิโอกร.co.uk
*	30.04.14	ESSUED FOR APPROVAL	KL	AM	PROJECT TITLE	Web: www.deepsate	escledions.co.uk
REV	OASE	REPUSICH BESCRIPTION	AUTHOR	Ç£ Cl⊖C	1	ANCERY LANE	
DRAWY	KG TETLE	··· ······			SCALE	AUSHOR	esta
Wil	VDOW TYP	PE W10			1:5	KL	APR 14
EU	EVATION 8	& SECTIONS			DRC SD E24	19-WIN-W10	REV B



**ELEVATION & SECTIONS** 

C

E2419-WIN-W11



FRAME COLOURS
INTERNAL - PPC RAL 9010 30% GLOSS
EXTERNAL - PPC RAL 7016 30% GLOSS

SCHUCO ADS80 FR 60 FIRE RATED SYSTEM:
150870 — WINDOW OUTER FRAME
150380 — WINDOW MULLION
300370 — GLAZING BEAD
284306 — GLAZING GASKET
224259 — GLAZING GASKET

#### GLASS SPECS

L40 350C

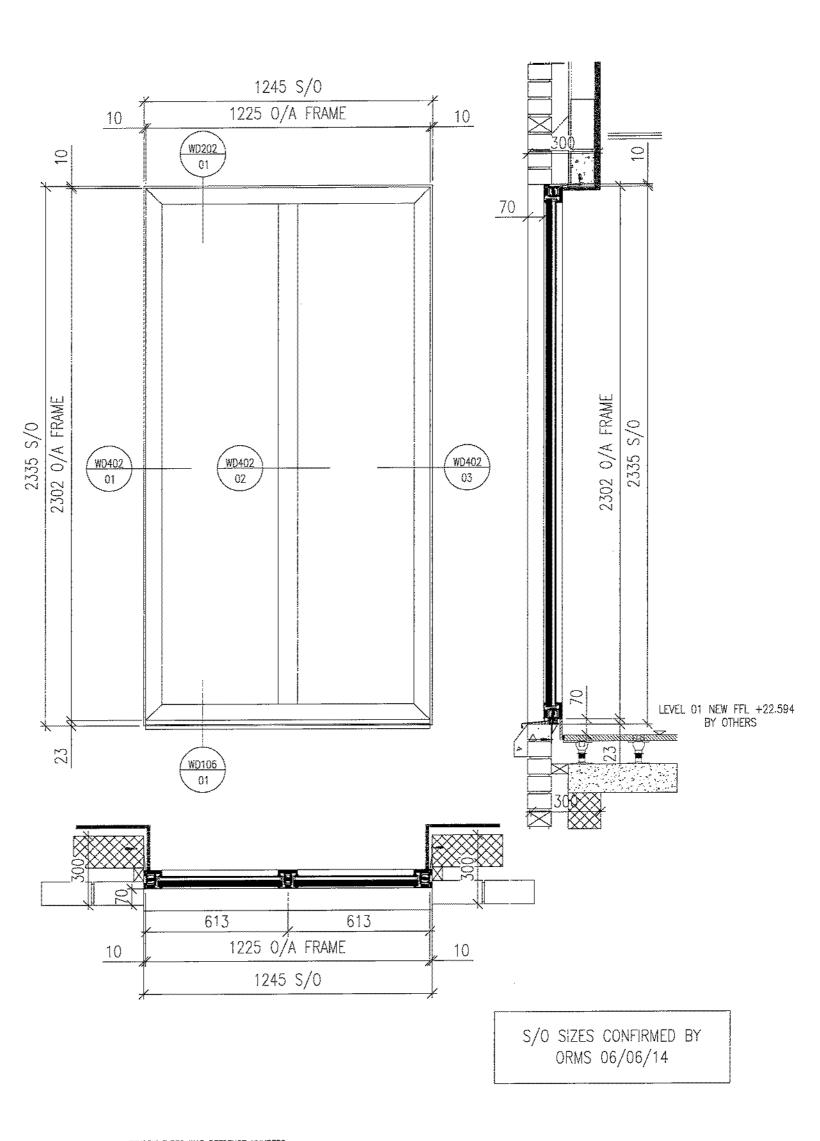
INNER - 6mm PILKINGTON OPTITHERM SIT TOUGHENED CAVITY - 12mm STEEL SPACER ARGONI FILLED OUTER - 27mm PILKINGTON PYROSTOP 60-102 60/60 WINDOW TYPES W12 REFRENCE NUMBERS ₩12~1002/2 W12-1002/1

NOTE:

W12~1002/3

REFER TO SCOPE OF WORKS DRAWING "E2419-1002" FOR APPROXIMATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

Р	age 2	25					
					า	DEEPDALE SOL	UTIONS LTD.
C	09.06.14	LEDATED TO COMMENTS ESUED FOR CONSTRUCTION	GK	KL		Queens Meadow, Martlepool, Tees Yalley.	
8	04.05.14	CHOATED TO COMMENTS ESUED FOR CONSTRUCTION	KL	GK		TS25 578. Tel: 01429 87177	1
А	28.05.14	DRAWING AMENDED AS PER OR COMMENTS DATED 09.05.14	¥S <sub>GK</sub>	KL	ווו	Fax: 01429 87125: Email: hq@deepdales	olutions.co.uk
-	30.04.14	INSUED FOR APPROVAL	КL	AM	2 <u>2</u>	Web: www.deepoole	solufiens.co.uk
9EV	DATE	SEVISION SESCREPTION	YRU≓SŁ	ON CHK		NCERY LANE	
	re imie NDOW TYF	PE W12			scale 1:8	ALEENOR KL	APR 14
ELE	EVATION 8	& SECTIONS			E241	9-WIN-W12	96Y C



FRAME COLOURS
INTERNAL - PPC RAL 9010 30% GLOSS
EXTERNAL - PPC RAL 7016 30% GLOSS

SCHUCO ADSBO FR 60 FIRE RATED SYSTEM: 150870 — WINDOW QUTER FRAME 150380 — WINDOW MULLION 300370 — GLAZING BEAD 284306 — GLAZING GASKET 224259 — GLAZING GASKET

GLASS SPECS

L40\_350C

INNER - 6mm PILKINGTON OPTITHERM S1T HEAT SOAKED TOUGHENED GLASS (HST)

CAVITY - 12mm STEEL SPACER ARGONI FILLED

OUTER - 27mm PILKINGTON PYROSTOP 60-102 60/60

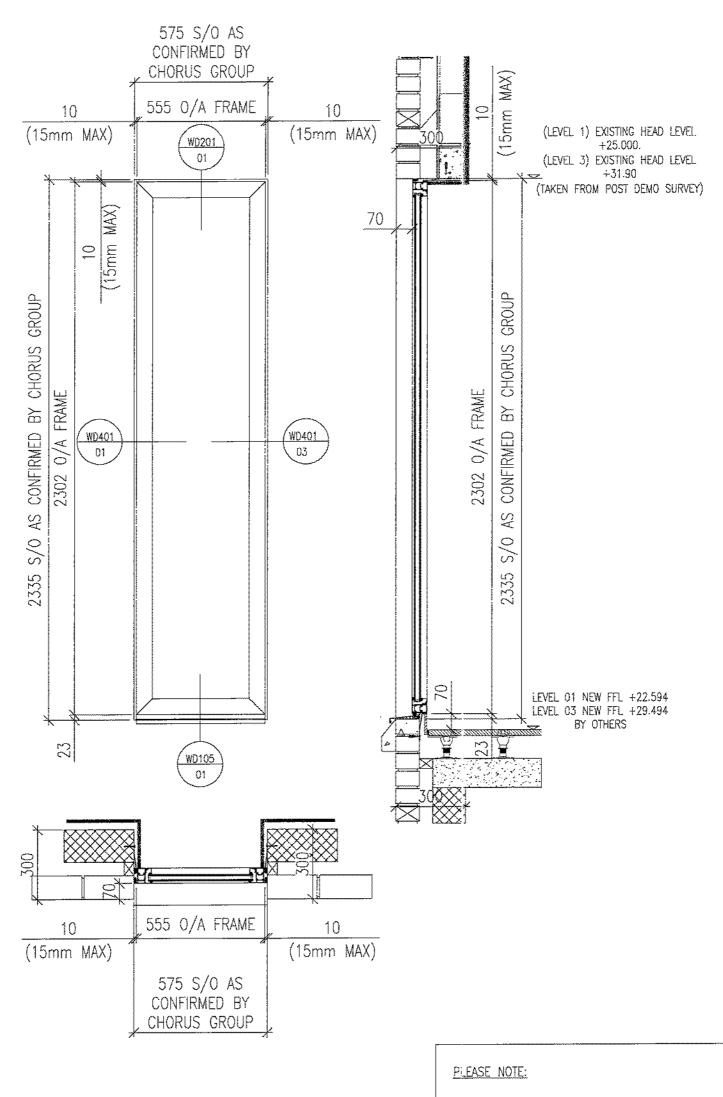
### WINDOW TYPES W13 REFRENCE NUMBERS

Wt3-1002/1 W13-1002/2

W13-1002/3

NOTE:
REFER TO SCOPE OF WORKS DRAWING "E2419-1002" FOR APPROXIMATE LOCATIONS. OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

		***************************************			DEEPDALE SOLUTIONS LTD. Queens Meadow, Harflepool, Tees Veiley.
8	13.06.14	mand its unitaries	GK	KL	TS25 57B. Tat: 01429 671771
A	06.06.14	AMENDED AS PER ORMS COMMENTS DATED 06.06.14	GK	KI,	Fox: 01429 871236 Email: hq@deepdalesaluffons.co.uk
-	30.04.14	ISSUED FOR APPROVAL	KL	AM	Web: www.deepdalesalutions.co.uk
₹D¥	DATE	REVISION DESCRIPTION	AUTHOR	ON CHIK	
	ie tiliz				SCALE AUTHOR DATE
WII	IYT WOOD	PE W13	1:8 KL APR 14		
ELI	EVATION A	& SECTIONS	E2419-WIN-W13		



FRAME COLOURS
INTERNAL - PPC RAL 9010 30% GLOSS
EXTERNAL - PPC RAL 7016 30% GLOSS

SCHUCO AWS65 WINDOW SYSTEM:
362070 - WINDOW OUTER FRAME
363980 - WINDOW MULLION
246230 - BASE PROFILE
184050 - GLAZING BEAD
224063 - GLAZING GASKET 4MM
264305 - GLAZING GASKET 5-6MM
268167 - GLAZING SUPPORT

#### GLASS SPECS

L4G 350E INNER - 6mm PILKINGTON OPTITHERM S3 T TOUGHENED CAVITY - 16mm ARGON FILLED OUTER - 6mm PILKINGTON OPTIFLOAT TOUGHENED

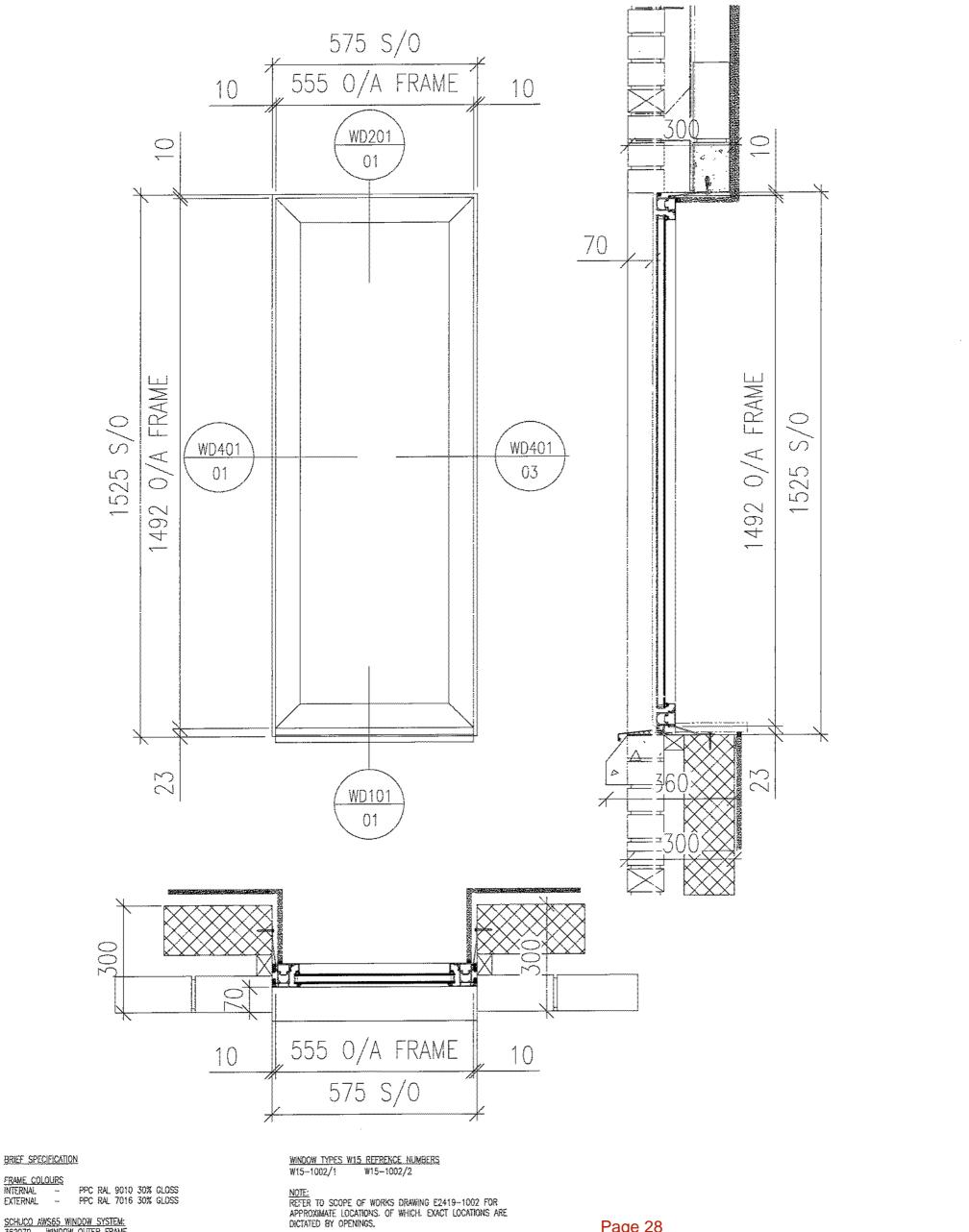
WINDOW TYPES W14 REFRENCE NUMBERS

W14-1002/2 W14-1002/2 W14-1002/3 W14-1002/4 W14-1002/5 W:4-1002/6 W14-1002/7 W14-1002/8 W14-1005/1

NOTE: REFER TO SCOPE OF WORKS DRAWING "E2418-1002" FOR APPROXIMATE LOCATIONS. OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

WINDOW W14A-1005/1 HAS BEEN ADDED TO WINDOW T/PE 14 AS W14-1005/1

					ଧ	DEEPDALE SOLU Queens Mendow. Hartleppool,	TIONS LTD.
8	04.06.14	UPDATED TO COMMENTS ISSUED FOR CONSTRUCTION	KL.	ĠK	<b>元</b>	Toes Valley. TS25 518: Tel: 01429 871771	
A	27.05.14	AMENDED AS PER ORMS COMMENTS DATED 22.05.14	GK	MA	<u> </u>	Fax: 01429 871256 Email: hq#deepdalesol	
-	30.04.14	ISSUED FOR APPROVAL	ΚL	MA	PROJECT TILE	Web: www.deepdoless	interestornic
322	DATE	FEVESION DESCRIPTION	ROSETIA	OF CHK		NCERY LANE	
DRAWA	C TRILE				SCRE	ALTHOR	DATE
WI:	IYT WOOD	PE W14	1:5	KL KL	ÄPR 14		
ELL	VATION 4	& SECTIONS	DRG N≎ E2419	)-WIN-W14	PET   B		



SCHUCO AWS65 WINDOW SYSTEM: 362070 — WINDOW OUTER FRAME 363980 — WINDOW MULLION

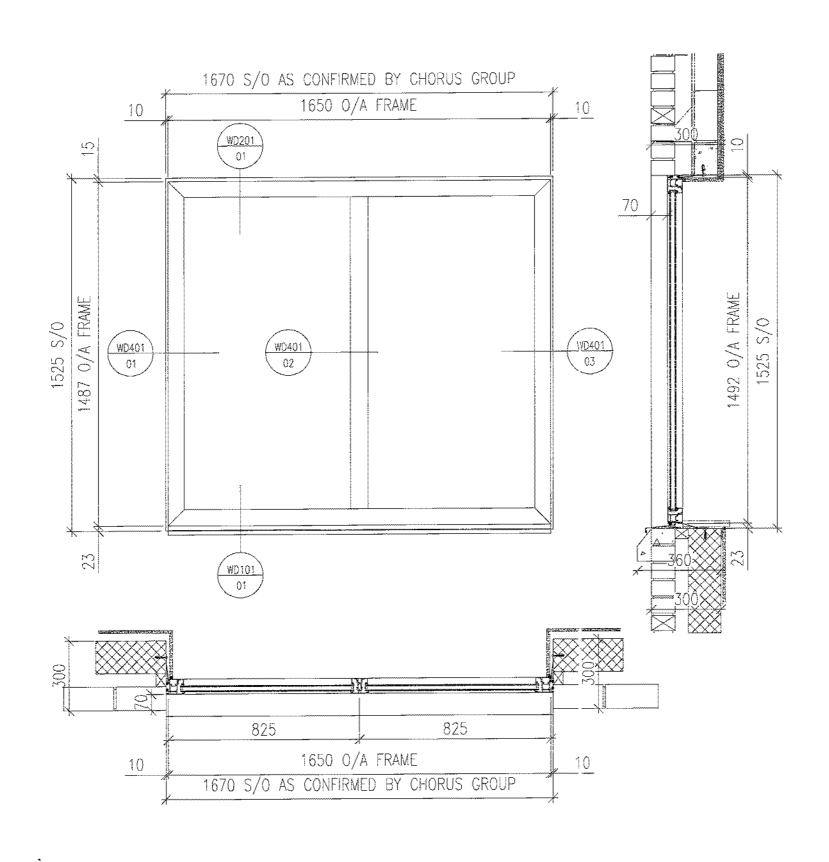
246230 — BASE PROFILE 184050 — GLAZING BEAD 224063 — GLAZING GASKET 4MM 284305 — GLAZING GASKET 5—6MM 288167 — GLAZING SUPPORT

#### GLASS SPECS

L40\_350E

NNER - 6mm PILKINGTON OPTITHERM S3 T TOUGHENED
CAVITY - 16mm ARGON FILLED
OUTER - 6mm PILKINGTON OPTIFLOAT TOUGHENED

ļ	27.05.14 30.04.14	AMENDED AS PER ORMS COMMENTS DATED 27,05,14 ISSUED FOR APPROVAL	SK KE	AM		DEEPDALE SOLU queens Maadow. Hartispool. Taos Valley. TS25 STB. Tel: 01429 871771 Fax: 01429 871255 Emell: hq50deepdalesok Webz www.deepdaleso	Mons.co.uk
	DV-V4-14		, AL	Am	PROJECT TITLE		
REV	SARE .	REFERON DESCRIPTION	ADTHER	DA CHK	F2419 CHA	ANCERY LANE	
MANA	NG 1874E				1		
W	NDOW TYP	E W15			1:8	AUTHOR KL	APR 14
ELI	EVATION (	x sections			E241	9-WN-W15	æv A



FRAME\_COLOURS INTERIVAL - PPC\_RAL\_9010\_30%\_GLOSS EXTERNAL - PPC\_RAL\_7016\_30%\_GLOSS

SCHUCO AWSSS WINDOW SYSTEM:
362070 - WINDOW OUTER FRAME
363980 - WINDOW MULLION
246230 - BASE PROFILE
184050 - GLAZING BEAD
224063 - GLAZING GASKET 4MM
284305 - GLAZING GASKET 5-6MM
288167 - GLAZING SUPPORT

## GLASS SPECS

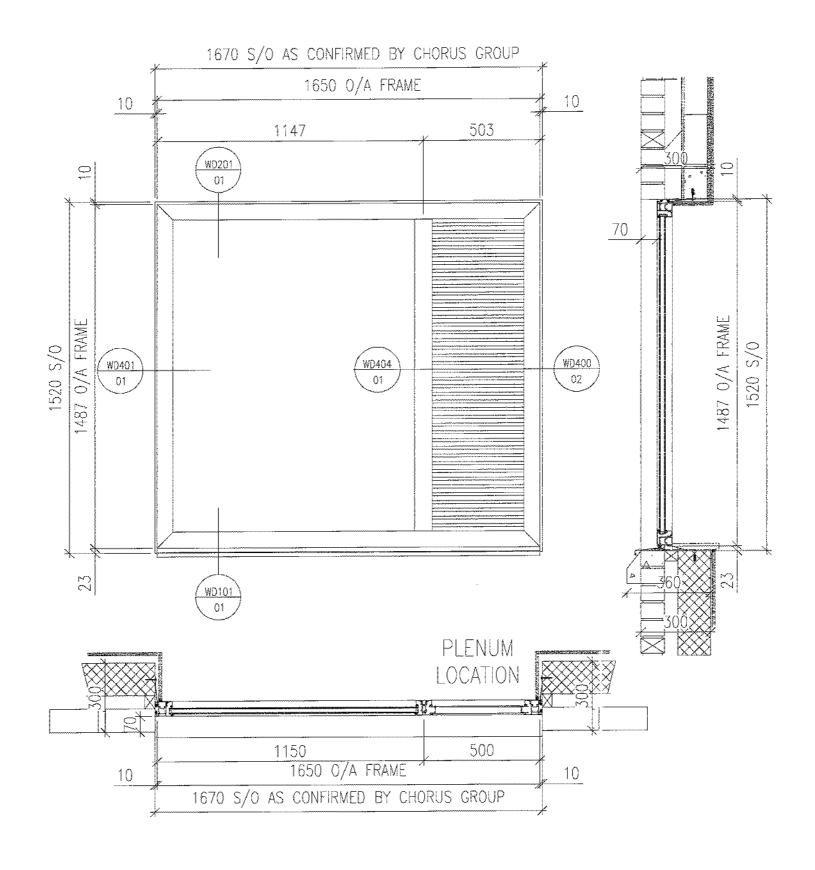
L4G 350E INNER - 6mm PILKINGTON OPTITHERM S3 T TOUGHENED CAVITY - 16mm ARCON FILED OUTER - 6mm PILKINGTON OPTIFLOAT TOUGHENED

WINDOW TYPES WIS REFRENCE NUMBERS

W16-1002/1

NOTE:
REFER TO SCOPE OF WORKS DRAWING "E2419-1002" FOR APPROXIMATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

	NDOW TYI	PE W16 & SECTIONS			1:8	9-WIN-W16	ÅPR 1
URAYO	ic wile				SCALE	AUTHOR	DATE
SEY	CARE	SEVISION DESCRIPTION	AUTHOR	CY CHK	E2419 CH	ANCERY LANE	
	30.04.14	TUSUED FOR APPROVAL	ΧL	AM	PROJECT VIRE	Жер: жим-баврбой	escitiloss.co.uk
А	28.05.14	AMENDED AS PER ORMS COMMENTS DATED 09.05.14	GX	KŁ	] ] [		seletions.co.uk
8	04.06.14	UPDATED TO COMMENTS ICSUED FOR CONSTRUCTION	ΚĻ	GK	TOT .	T\$25 572. Tel: 01429 87177	71
C	09.06.14	UPDATED TO COMMENTS ISSUED FOR CONSTRUCTION	GK	Kt.	d	Gueens Veadow, Hartlepadi, Tees Valley,	
				*	า	DEEPDALE SOL	LUTIONS LTD.



FRAME COLOURS
INTERNAL - PPC RAL 9010 30% GLOSS
EXTERNAL - PPC RAL 7016 30% GLOSS

SCHUCO AWS65 WINDOW SYSTEM:
362070 — WINDOW OUTER FRAME
363980 — WINDOW MULLION
246230 — BASE PROFILE
184050 — GLAZING BEAD
224063 — GLAZING GASKET 4MM
284305 — GLAZING GASKET 5—6MM
288167 — GLAZING SUPPORT

GLASS SPECS

L40\_350E INNER - 6mm PILKINGTON OPT/THERM S3 T TOUGHENED CAVITY - 16mm ARGON FILLED OUTER - 6mm PILKINGTON OPT/FLOAT TOUGHENED

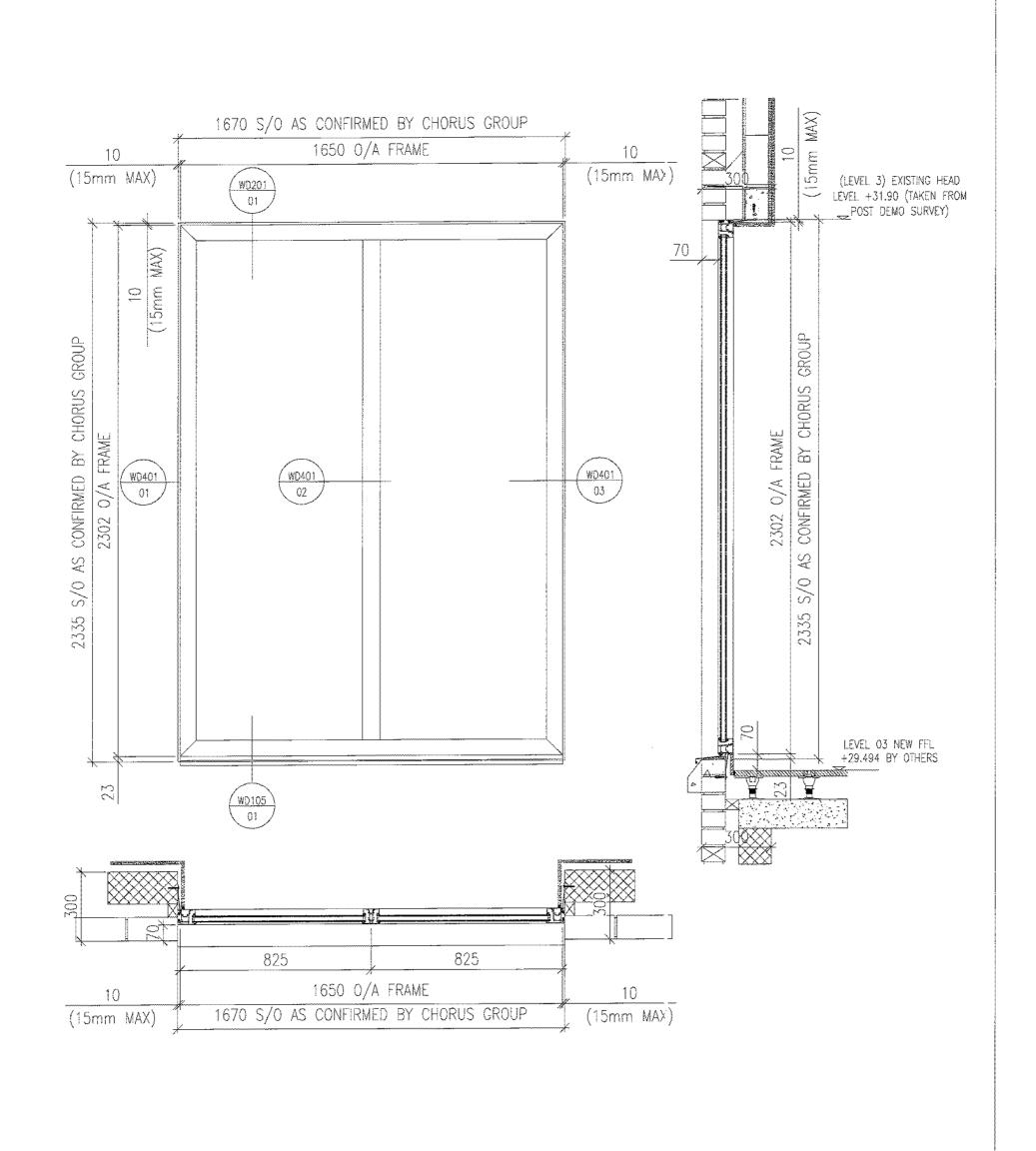
<u>L10 650</u> GLAZE IN LOUVERS AS PER SPEC L10 650 DUCO SOUD F30Z ALLMINIUM GLAZING LOUVER TO RAL.7016

WINDOW TYPES W17 REFERENCE NUMBERS

W17-1002/1

REFER TO SCOPE OF WORKS DRAWING "E2419-1002" FOR APPROXIMATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

			<u> </u>		T	DEEPDALE SOLU	TIONS LTD.
c	09.06,14	LPDATED TO COMMENTS L'SUED FOR CONSTRUCTION	GK	KL	d	Quaens Meadow, Herflepool, Tees Valley.	
B	04.06.14	LADATED TO COMMENTS ASSUED FOR CONSTRUCTION	KL	GK	一方广	7525 518. Tel: 01429 871771	
A	28.05.14	AMEMBED AS PER DRWS COMMENTS DATED 09.05.14	GK	AM	] \ <b>T</b>	Fax: 01429 871255 Email: hq@deepdalesois	
	30.04.14	SISUED FOR APPROVAL	ΚĻ	AM	PROJECT TRUE	Web: www.deapdulesu	iuSons.co.uk
aev	ĐẠIẾ	MENISTON DESCREPTION	AUTHOR	ÇA CHƏC	1 '	NCERY LANE	
除柳	es trali				SCALE	EJINOR	LENTE
WI	YT WOOD	PE W17			1:8	KL.	ÅPR 14
ELEVATION & SECTIONS					E241	9-WIN-W17	EEV C



FRAME COLOURS
INTERNAL - PPC RAL 9010 30% GLOSS
EXTERNAL - PPC RAL 7016 30% GLOSS

SCHUCO AWS65 WINDOW SYSTEM:
362070 - WINDOW OUTER FRAME
363980 - WINDOW MULLION
246230 - BASE PROFILE
184050 - GLAZING BEAD
224063 - GLAZING GASKET 4MM
284305 - GLAZING GASKET 5-6MM
288167 - GLAZING SUPPORT

#### <u>GUASS SPECS</u>

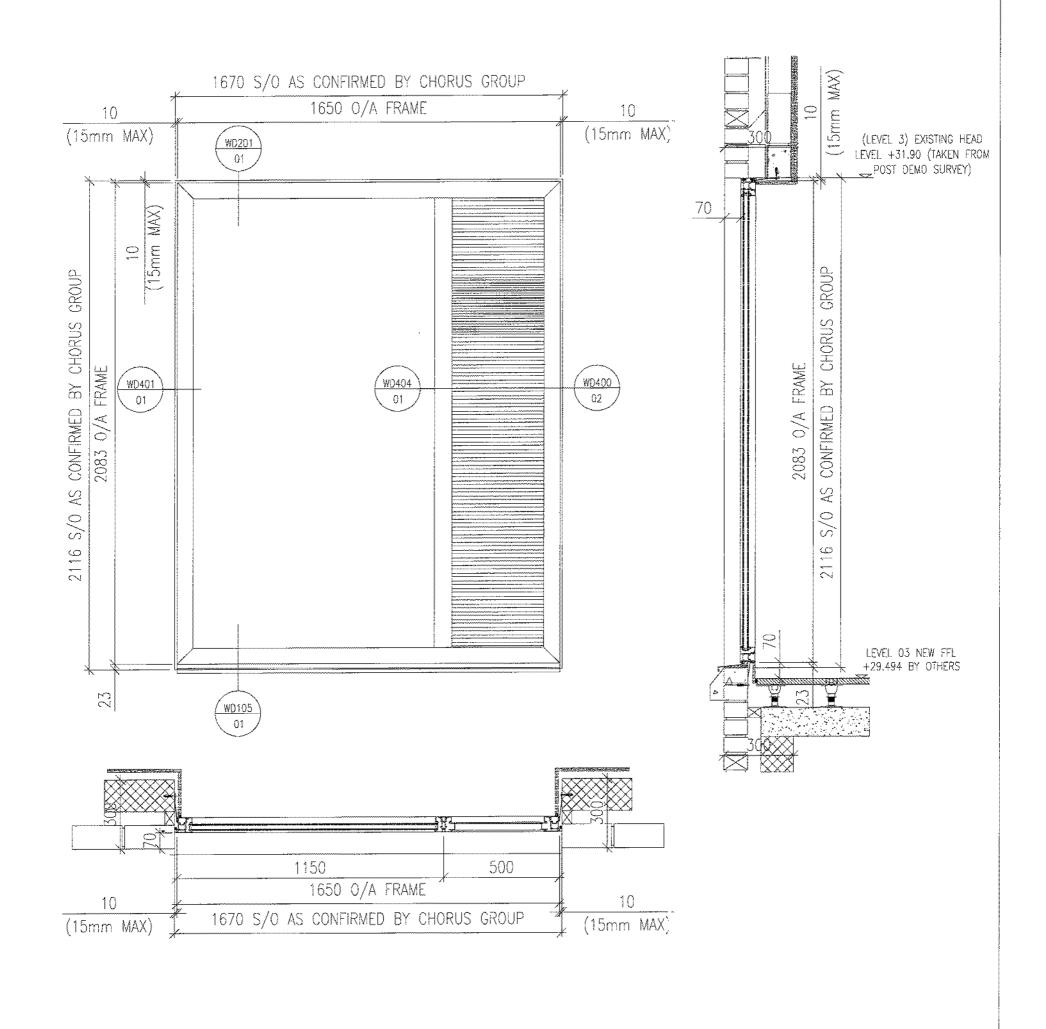
L40 350E INNER – 6mm PILKINGTON OPTITHERM S3 T TOUGHENED CAVITY – 16mm ARGON FILLED OUTER – 6mm PILKINGTON OPTIFLOAT TOUGHENED

WINDOW TYPES W18 REFRENCE NUMBERS

W18-1002/1

NOTE:
REFER TO SCOPE OF WORKS DRAWING "E2419-1002" FOR APPROXIMATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

	age c	J I					
		•			ท	DEEPDALE SOL	UTIONS LTD.
¢	06.06.14	UPDATED TO COMMENTS It sued for construction	GK	ΚL	d	Quaers Meadow, Harflepool, Tees Volley.	
8	04.06.14	s and Law costassuccesous	ΚĽ	GK		T\$25 518. Tel: 01429 87177	*
Α	29.05,14	A-VENDED AS PER ORMS COMMENTS DATED 09,05.14	G⊀	AM	] \r\ \r\	Fax: 01429 87125 Emali: hq@deepdales	oletions.co.ek
-	30.04.14	T SUED FOR APPROVAL	ΚL	AM	PROJECT INE	Web: www.deepdale	espluitens.co.uk
REV	OMRE	REVISION DESCRIPTION	AUTHOR	ᇲ	E2419 CHA	NCERY LANE	
DRAYO	ढिछा⊈				SEALE	AUTHOR	DATE
WI	VDOW TY	PE W18			1:8	KL.	APR 14
ELI	EVATION	& SECTIONS			E7419	)_WIN_W18	857 C



FRAME COLOURS INTERNAL -- PPC RAL 9010 30% GLOSS EXTERNAL -- PPC RAL 7016 30% GLOSS

SCHUCO AWS65 WINDOW SYSTEM: 362070 — WINDOW OUTER FRAME 363980 — WINDOW MULLION 246230 - BASE PROFILE 184030 - GLAZING BEAD 224063 - GLAZING GASKET 44M 284305 - GLAZING GASKET 5-66M 288167 - GLAZING SUPPORT

GLASS SPECS

L40\_350E INNER - 6mm PILKINGTON OPTITHERM S3 T TOUGHENED CAVITY - 16mm ARGON FILLED

QUTER - 5mm PILKINGTON OPTIFLOAT TOUGHENED

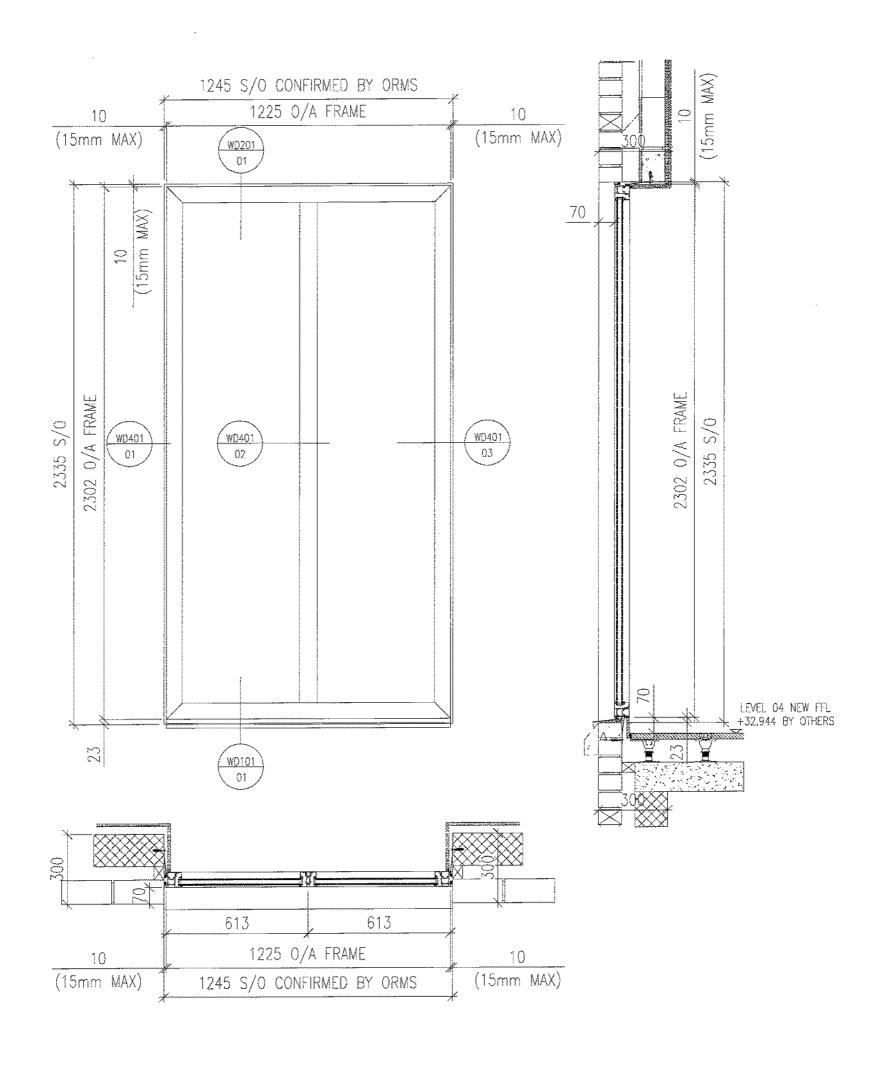
L10 630
GLAZE IN LOUVERS AS PER SPEC L10 630 DUCO SOLID F30Z
ALUMINIUM GLAZING LOUVER TO RAL:7016

WINDOW TYPES WIG REFERENCE NUMBERS

W19-1002/1

NOTE:
REFER TO SCOPE OF WORKS DRAWING
"E2419-1002" FOR APPROXIMATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

	age .	3 <b>Z</b>			
C	06.05.14	UPDATED TO COMMENTS INSUED FOR CONSTRUCTION	GK	KL.	DEEPDALE SOLUTIONS LTD. Queens Meadow, Hortieppol, Toes Volley,
₿	04.06.14	UPDATED TO COMMENTS ISSUED FOR CONSTRUCTION	KŁ.	ĢK	1525 57B. 1525 57B. 161: 01429 871771
A	29.05.14	AMENDED AS PER ORMS COMMENTS DATED 22.05.14	GK	ΑM	Fax: 81429 67/256 Emell: lag@deapdalasoluffons.co.uk
-	30.04.14	ISSUED FOR APPROVAL	K⊾	AM	Web: www.deepdelesofulions.co.uk
R≘V	SATE	REVISION DESCRIPTION	ROHTUA	CA CHK	**   * *** * * * * * * * * * * * * * *
[BASE]	क्ष प्रस्तः				SCALE ALIFIOR DATE
W	NDOW TY	PE W19			1:8   KL   APR 14
EU	EVATION	& SECTIONS			PRG 50 E2419-WIN-W19 C



FRAME COLOURS
INTERNAL - PPC RAL 9010 30% GLOSS
EXTERNAL - PPC RAL 7016 30% GLOSS

SCHUCO AWS65 WINDOW SYSTEM:
362070 - WINDOW OUTER FRAME
363980 - WINDOW MULLION
246230 - BASE PROFILE
184050 - GLAZING BEAD
224063 - GLAZING GASKET 4MM
284305 - GLAZING GASKET 5-6MM
288167 - GLAZING SUPPORT

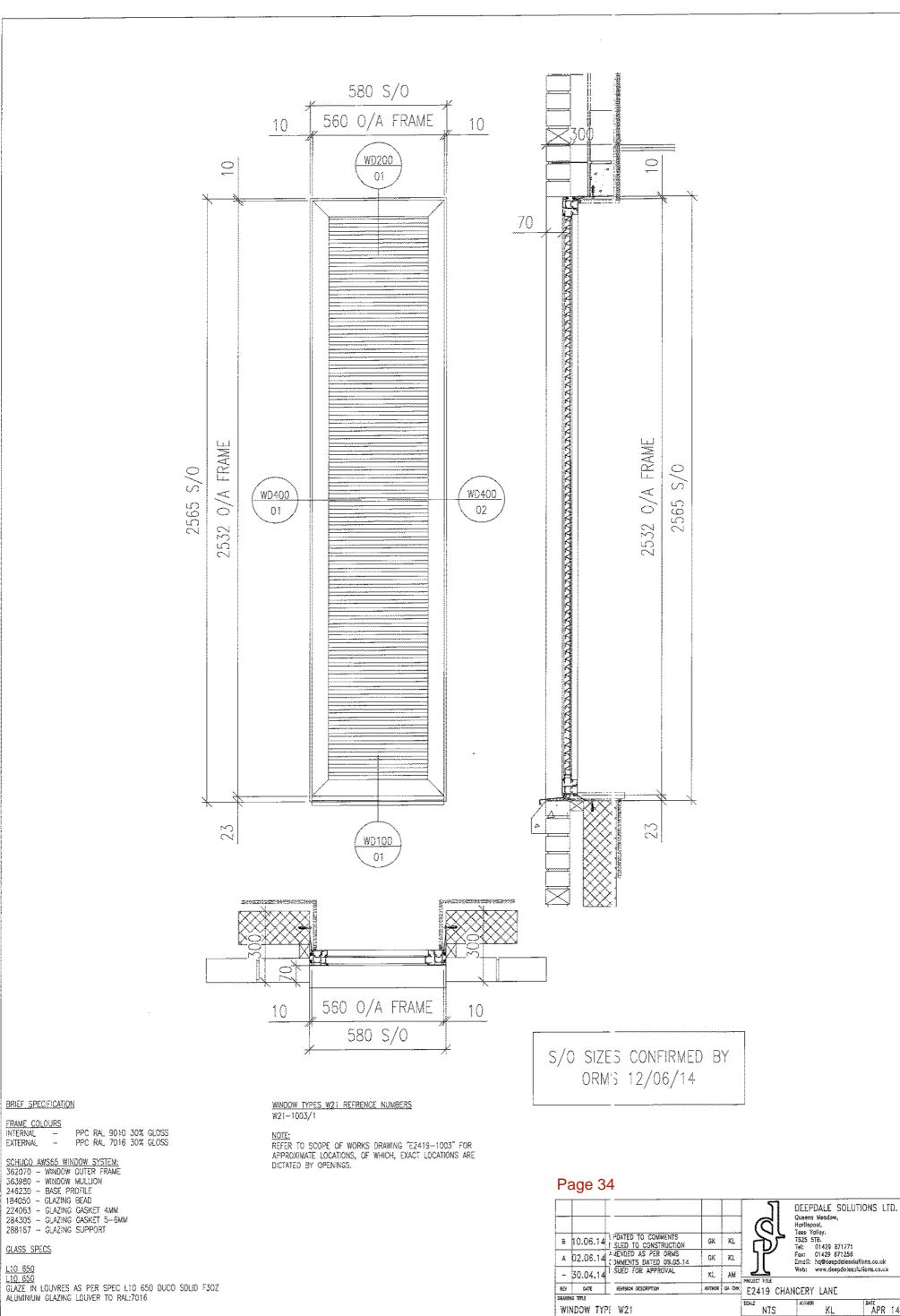
GLASS SPECS

L40 350E INNER - 6mm PILKINGTON OPTITHERM S3 T TOUGHENED CAVITY - 16mm ARGON FILLED OUTER - 6mm PILKINGTON OPTIFLOAT TOUGHENED

<u>WINDOW TYPES W20 REFERENCE NUMBERS</u> W20-1002/1 W20-1002/2

NOTE:
REFER TO SCOPE OF WORKS DRAWING "E2419—1003" FOR
APPROXIMATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE
DICTATED BY OPENINGS.

 E	06.06.14	AMENDED AS PER ORMS COMMENTS DATED 06.06.14	GK	KL		DEEPDALE SOLU Queens Meddow, forfieped, Tess Valley. TS25 STB. Tel: G1479 571771	TIONS LTD.
	02.06.14	AMENDED AS PER ORMS	GK	ΚL	ולו	Fax: 01429 871256 Emali: hq@deepdalesoil	
····	30.04.14	E-SUED FOR APPROVAL	KL	AM	PROJECT TELE	Web: www.deepdoleso	kullions.co.sk
ЖEУ	STAD	seasok sesenteni	ASTRON	&a ci⇒x	3	NCERY LANE	
DEVED	e inte				SCALE	ASSESSE	BAYE
W۱	VDOW TY	E W20			1:8	KL	APR 14
ELE	EVATION (	& SECTIONS			DRE NO E 2419	9-WIN-W20	60. 16



APR 14

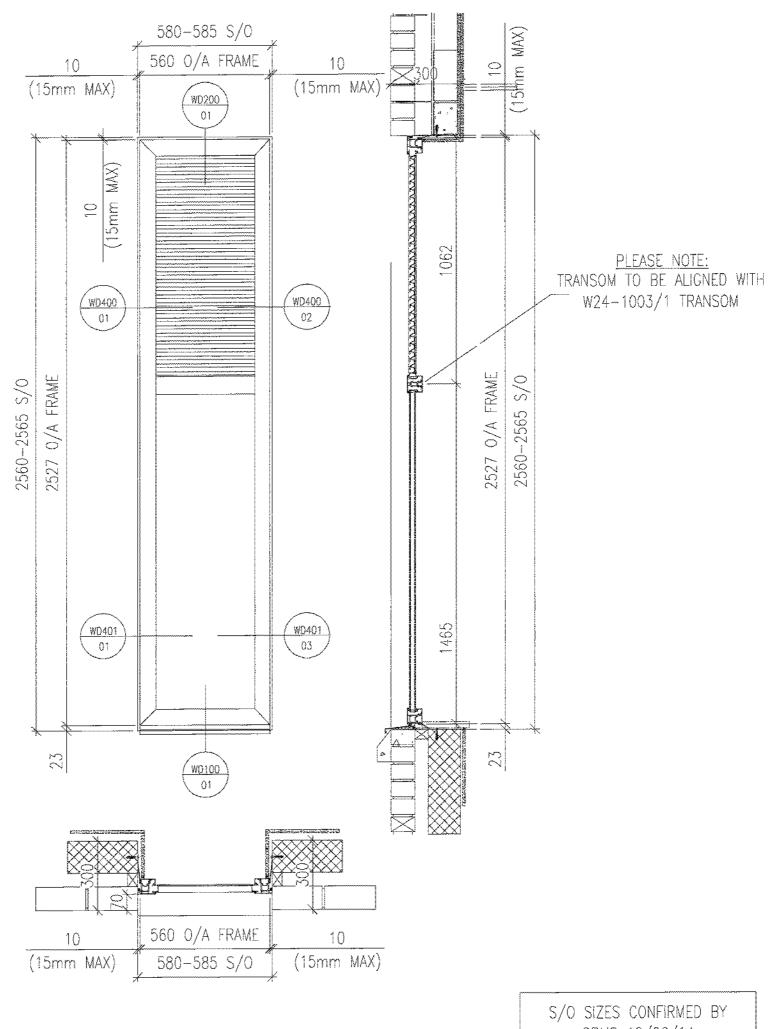
B

E2419-WIN-W21

ELEVATION & SECTIONS

BRIEF SPECIFICATION

GLASS SPECS



FRAME COLOURS INTERNAL - PPC RAL 9010 30% GLOSS EXTERNAL - PPC RAL 7016 30% GLOSS

SCHUCG AWS65 WINDOW SYSTEM:
362070 - WINDOW OUTER FRAME
563980 - WINDOW MULLION
246Z30 - BASE PROFILE
184050 - GLAZING BEAD
224063 - GLAZING GASKET 4MM
284305 - GLAZING GASKET 5-6MM
288167 - GLAZING SUPPORT

GLASS SPECS

<u> L40\_3505</u>

INNER - 6mm PILKINGTON OPTITHERM S3 T HEAT SOAKED TOUGHENED GLASS (HST)

CAVITY - 16mm ARGON FILLED

OUTER - 6mm PILKINGTON OPTIFLOAT HEAT SOAKED TOUGHENED GLASS (HST)

GLAZE IN LOUVRES AS PER SPEC LIO 850 DUCO SOLID F30Z ALUMINIUM GLAZING LOUVER TO RALI7016

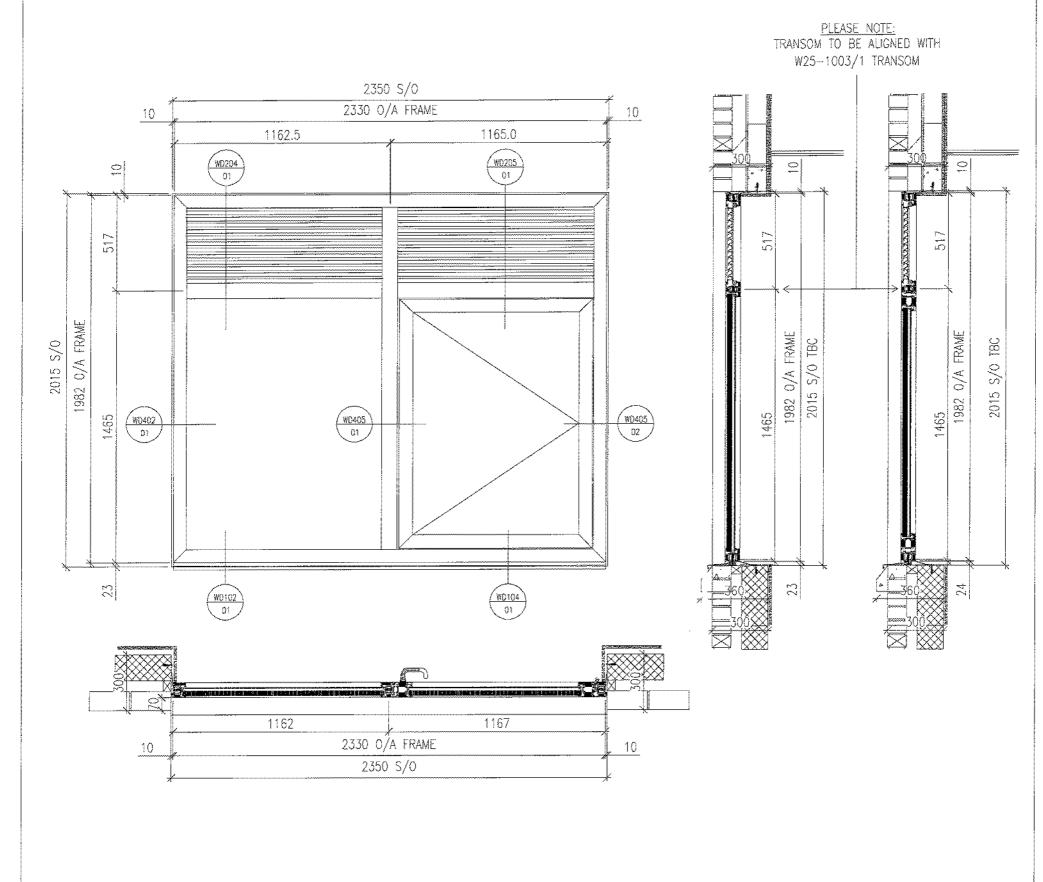
WINDOW TYPES W22 REFERENCE NUMBERS

W22-1003/2 W22-1003/3

REFER TO SCOPE OF WORKS DRAWING "E2419-1003" FOR APPROXIMATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

ORMS 12/06/14 ALUMINIUM CILL TO ACCOMMODATE BOTH BRICK AND CONC. CILL DETAILS

A	12.06,14 30.04.14	A MENDED TO COMMENTS SUED FOR CONSTRUCTION SUED FOR APPROVAL	GK KL AUSTROR	KL AM	PRAJECT TEAL		7 <del>1</del>
ORAWSI		351300 75200100	- AGTINEN	30.000	[ EZ419 CH/	ANCERY LANE	
	VDOW TYP	₩ W22			30ME 1:8	ALEHOR KL	APR 14
		k SECTIONS			CRG NO	9-WIN-W22	REV A



FRAME COLOURS INTERNAL ~ EXTERNAL -PPC RAL 9010 30% GLOSS PPC RAL 7016 30% GLOSS

SCHUCO ABS80 FR 60 FIRE RATED SYSTEM: 150870 — WINDOW OUTER FRAME 150380 — WINDOW MULLION 300370 — GLAZING BEAD 284306 — GLAZING GASKET

284306 - GLAZING GASKET
224259 - GLAZING GASKET
150360 - VENT FRAME
210692 - HANDLE T30 EVI
218171 - STAINLESS STEEL PIN
224063 - GLAZING GASKET 4MM
224259 - GLAZING GASKET 3MM
224534 - REBATE GASKET 3MM
224534 - REBATE GASKET
239097 - BARREL HINGE ADJSTMT
239826 - BAR HING ADSBOSTST
241584- STRIKE PLATE
241706 - L+B LOCK LH RH

# GLASS SPECS

<u>L40\_350C</u>

INNER - 6mm PILKINGTON OPTITHERM SIT HEAT SOAKED TOUGHENED CLASS (HST)

CAVITY - 12mm STEEL SPACER ARGONJ FILLED

OUTER - 27mm PILKINGTON PYROSTOP 60-102 60/60

GLAZE IN LOUVRES AS PER SPEC LTO 650 DUCO SOLID F30Z ALUMINIUM GLAZING LOUVER TO RAL:7016

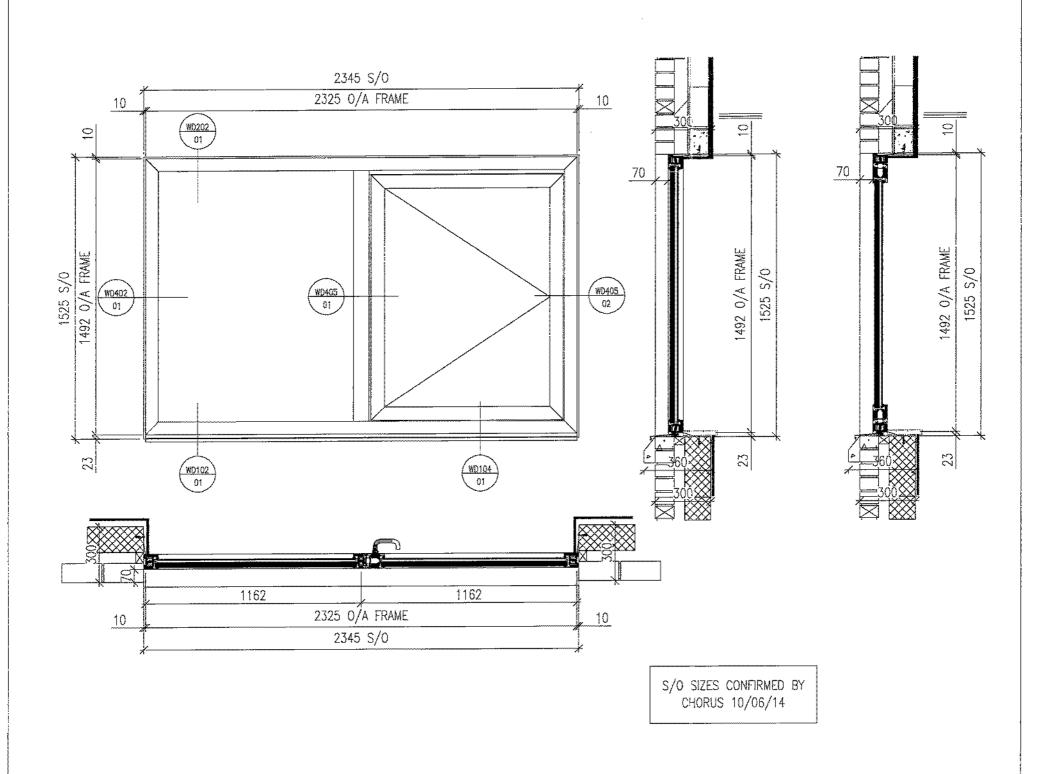
WINDOW TYPES W24 REFRENCE NUMBERS

W24-1003/1

NOTE: REFER TO SCOPE OF WORKS DRAWING "E2419-1003" FOR APPROXIMATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

S/O SIZES CONFIRMED BY CHORUS 10/06/14

<u>۲</u>	age 3	00 					
		-			\alpha \big	DEEPDALE SOLUT Queens Meadow, Harmepool,	TONS LTD.
B	19.05,14	UPDATED TO SITE SIZES INSUED FOR CONSTRUCTION	GK	KL	<b>公</b> 允	Teos Valley. 1525 578. Tel: 0!425 671771	
A	10-06.14	AMENDED AS PER ORMS COMMENTS DATED 09.05.14	GK	KL	ነተ	Faxo 01429 871256 Emaii: ba@deepdalesaiu	
-	30.04.14	I SUED FOR APPROVAL	КГ	AM	2 <u>2</u>	Web: www.deepdoleso	uišons.co.uk
REV	CARE	SEVISICAI DESCRIPTION	AUTHOR	GA CNK		ANCERY LANE	
	G TITLE IN OUR CONTRACT	ne sam a			SCALE	AUTHOR 571	PATE
AA 15	IDOM IN	, F M.74			1:10	KL	APR 14
ELE	VATION 8	& SECTIONS			CRG NO E 241	9-WIN-W24	REV B



FRAME COLOURS
INTERNAL - PPC RAL 9010 30% GLOSS
EXTERNAL - PPC RAL 7016 30% GLOSS

SCHUCO ADS80 FR 60 FIRE RATED SYSTEM:
150870 — WINDOW OUTER FRAME
150380 — WINDOW MULLION
300370 — GLAZING BEAD
284306 — GLAZING GASKET
224259 — GLAZING GASKET
150360 — VENT FRAME

# GLASS SPECS

# <u>L40\_350C</u>

INNER - 6mm PILKINGTON OPTITHERM STT HEAT SOAKED TOUGHENED GLASS (HST)

CAVITY - 12mm STEEL SPACER ARGONJ FILLED

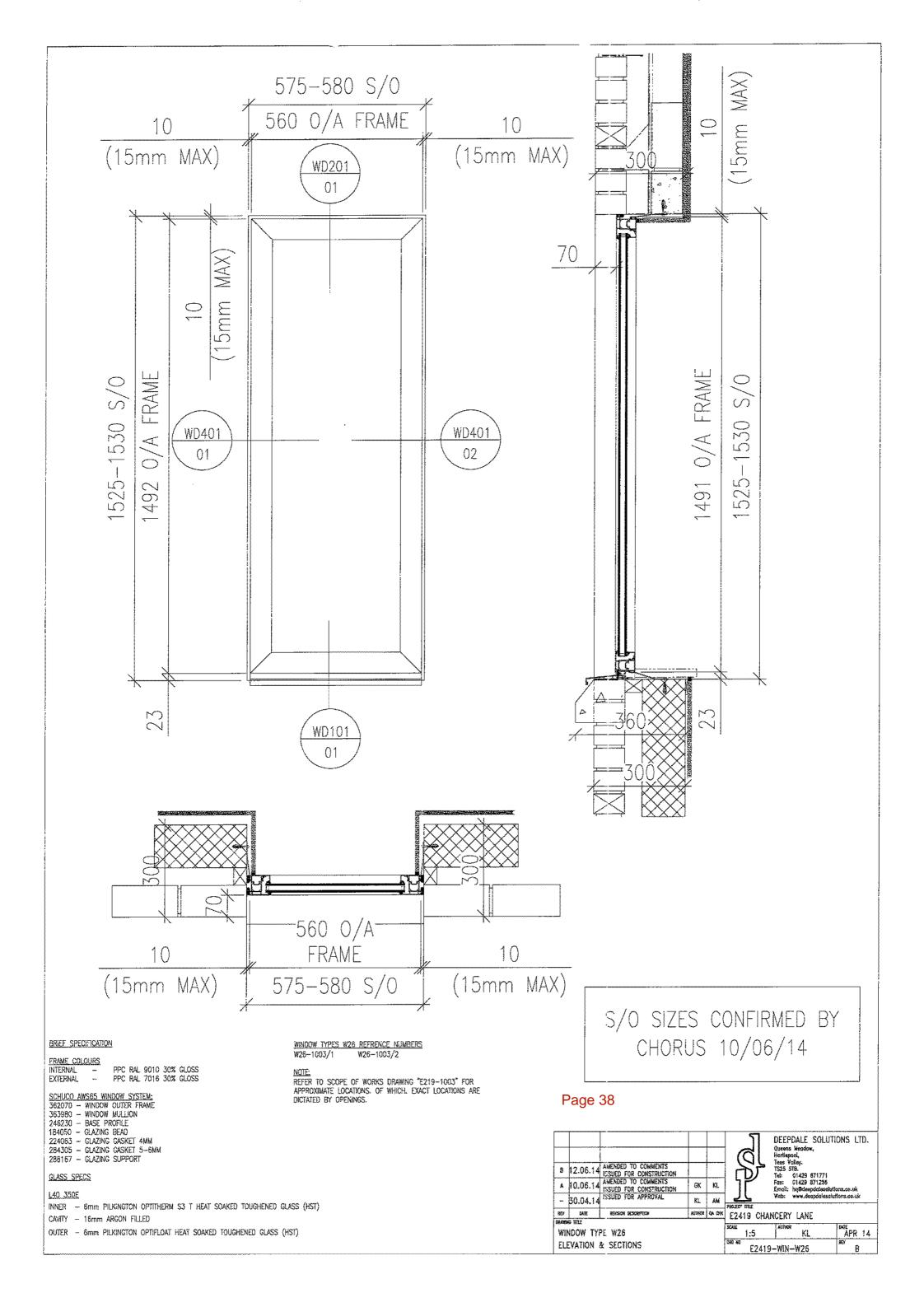
OUTER - 27mm PILKINGTON PYROSTOP 60-102 60/60

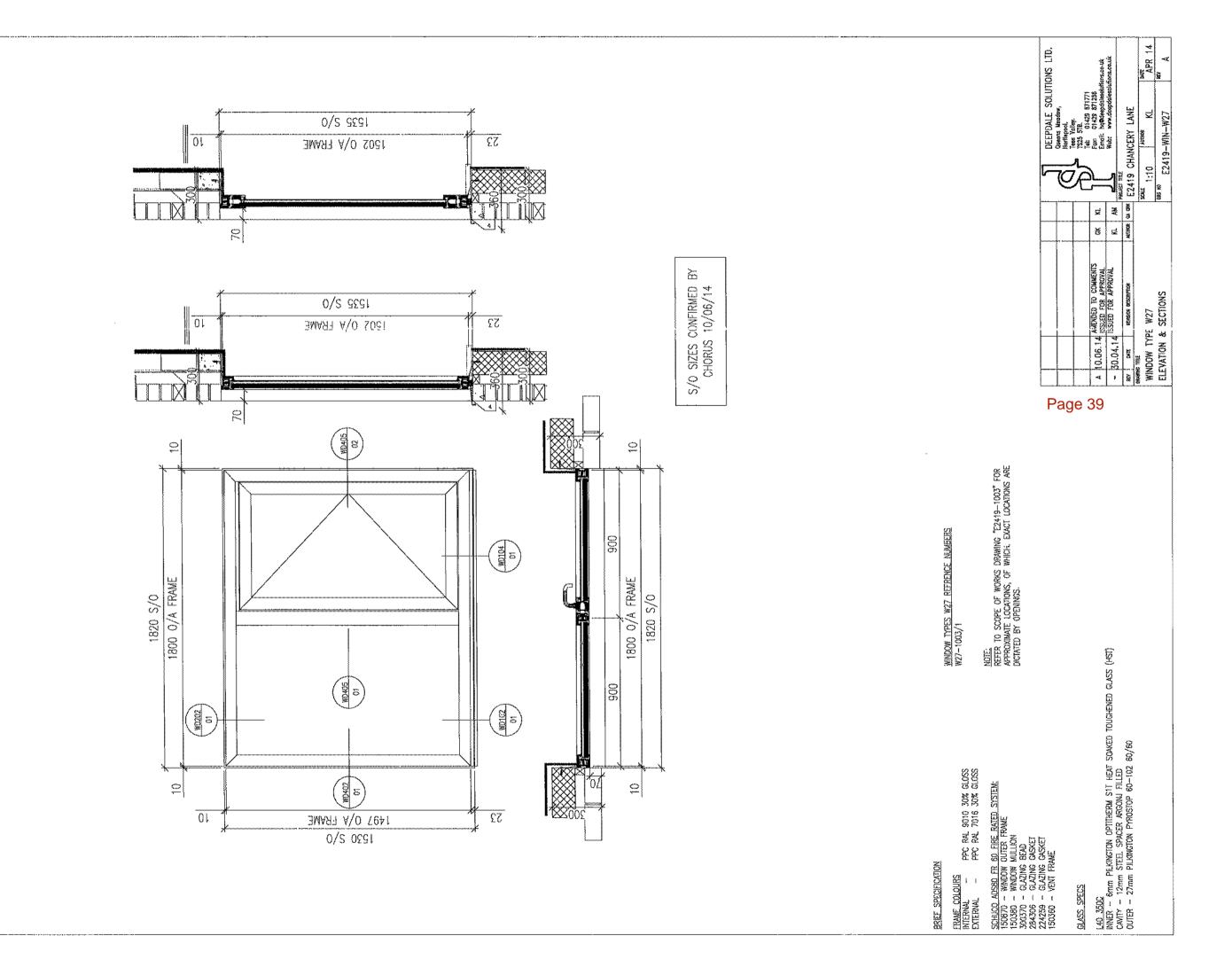
# WINDOW TYPES W25 REFRENCE NUMBERS

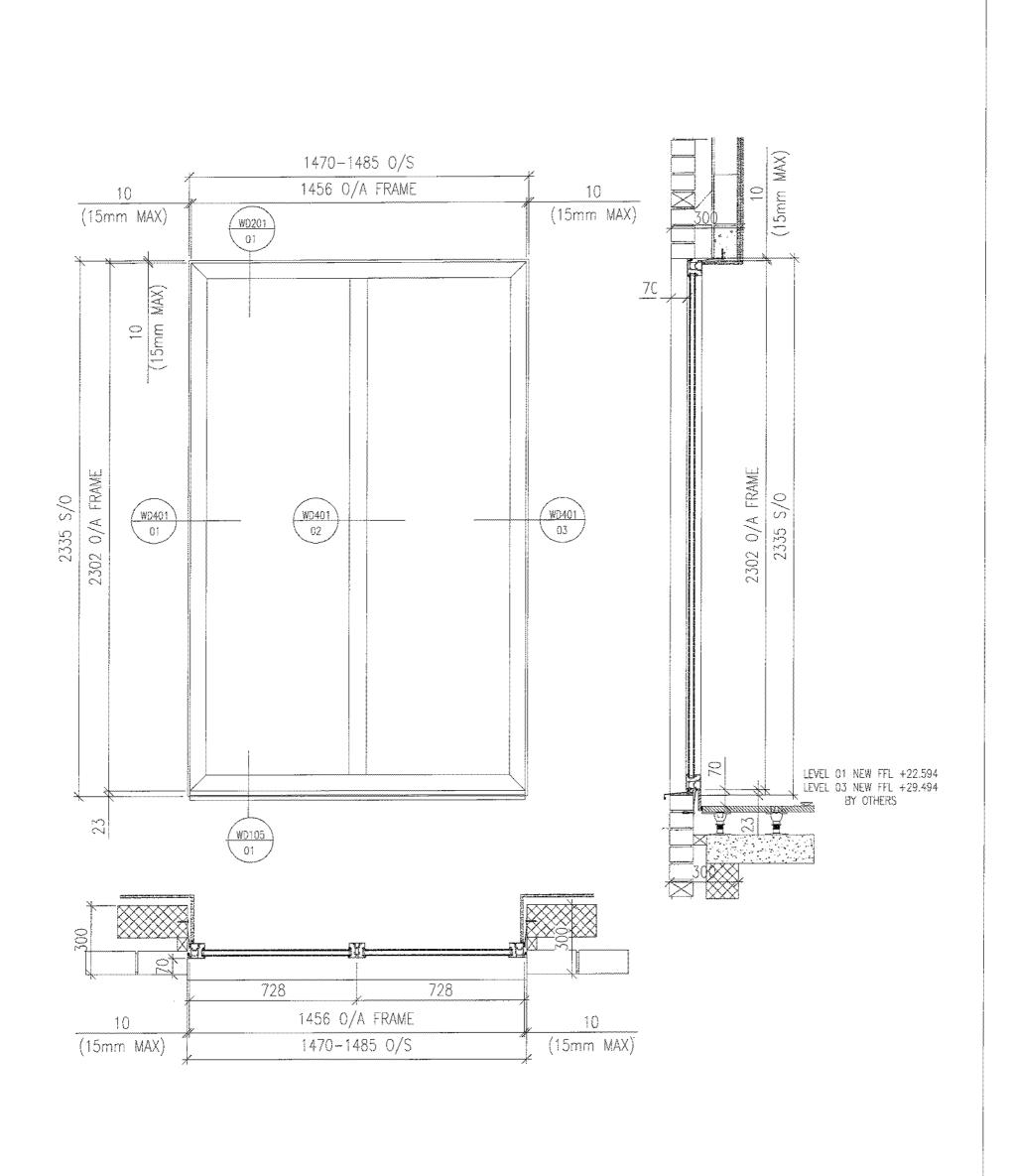
W25-1003/1

REFER TO SCOPE OF WORKS DRAWING "E2419-1003" FOR APPROXIMATE LOCATIONS. OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

					ଣ	DEEPOALE SOLU Queens Mendow, Harflepool,	ITIONS LTD.
8	12.06.14	AMENDED TO COMMENTS ISSUED FOR APPROVAL	GK	KL.	而	Tees Valley. TS25 519. Tel: 01429 871771	
A	10.06.14	AMENDED PER COMMENTS ISSUED FOR CONSTRUCTION	GK	KI,	וון ו	Fox: 01429 871256 Email: hq@deepdalese	
-	30.04.14	ISSUED FOR APPROVAL	KL.	AM	PROSECT TRAE	Web: www.deepdoles	olutions.co.uk
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FRAME COLOURS
INTERNAL - PPC RAL 9010 30% GLOSS
EXTERNAL - PPC RAL 7016 30% GLOSS

SCHUCO AWS65 WINDOW SYSTEM:
362070 - WINDOW OUTER FRAME
563980 - WINDOW MULLION
246230 - BASE PROFILE
184050 - GLAZING BEAD
224063 - GLAZING GASKET 4MM
284305 - GLAZING GASKET 5-6MM
288167 - GLAZING SUPPORT

# GLASS SPECS

<u> 140 350E</u>

INNER - 6mm PILKINGTON OPTITHERM S3 T HEAT SOAKED TOUGHENED GLASS (HST)

CAVITY - 16mm ARGON FILLED

OUTER - 6mm PILKINGTON OPTIFLOAT HEAT SOAKED TOUGHENED GLASS (HST)

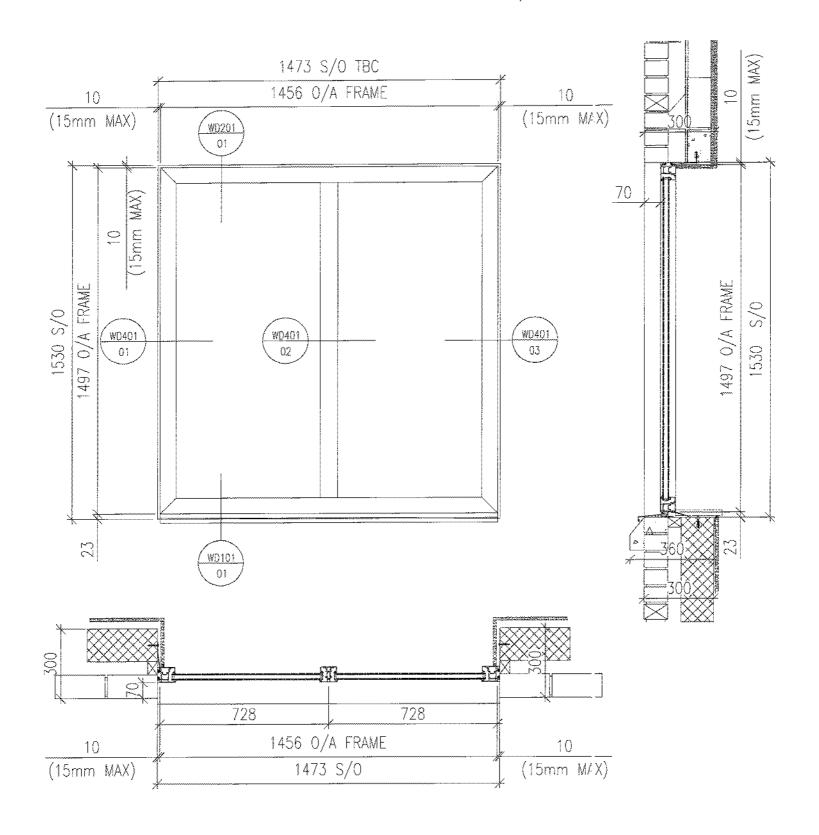
# WINDOW TYPES W28 REFRENCE NUMBERS

W28-1004/3 W28-1004/4 W28~1005/2 W28-1005/3

W28-1005/4

NOTE:
REFER TO SCOPE OF WORKS FOR APPROXIMATE LOCATIONS,
OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

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FRAME COLOURS

INTERNAL - PPC RAL 9010 30% GLOSS EXTERNAL - PPC RAL 7016 30% GLOSS

WINDOW TYPES WZ9 REFRENCE NUMBERS W29-1005/1 W29-1005/2

NOTE: REFER TO SCOPE OF WORKS DRAWINGS "E2419-1004" & "E2419-1005" FOR APPROXIMATE LOCATIONS, OF WHICH, EXACT LOCATIONS ARE DICTATED BY OPENINGS.

# SCHUCO AWS65 WINDOW SYSTEM: 362070 - WINDOW OUTER FRAME 363980 - WINDOW MULLION 246230 - BASE PROFILE 184050 - GLAZING BEAD 224063 - GLAZING GASKET 4MM 284305 - GLAZING GASKET 5-6MM 288167 - GLAZING SUPPORT

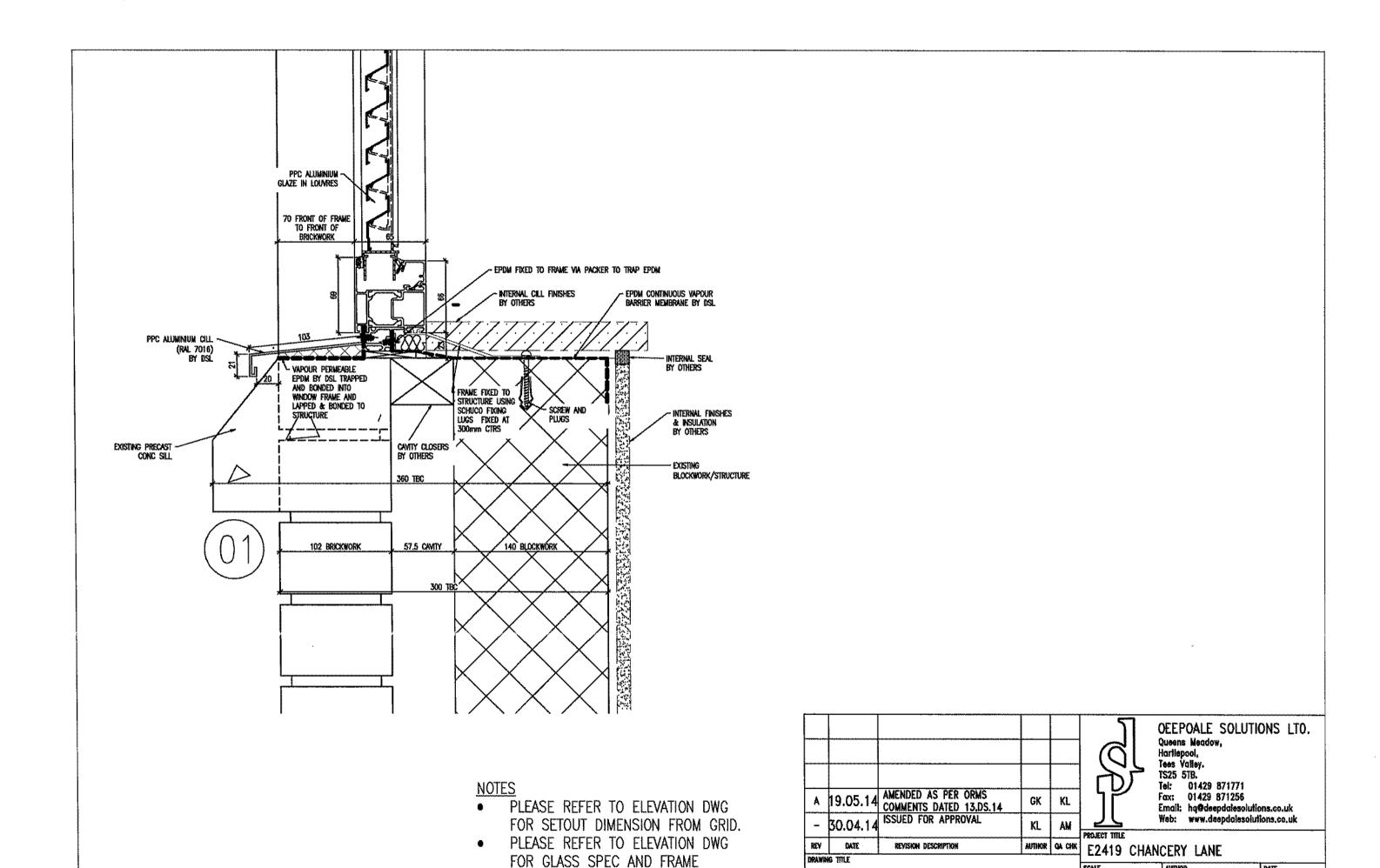
# GLASS SPECS

L40\_350E

BENER - 6mm PILKINGTON OPTITHERM S3 T HEAT SOAKED TOUGHENED GLASS (HST)CAVITY
- 16mm ARGON FILLED

OUTER - 6mm PILKINGTON OPTIFLOAT HEAT SOAKED TOUGHENED GLASS (HST)

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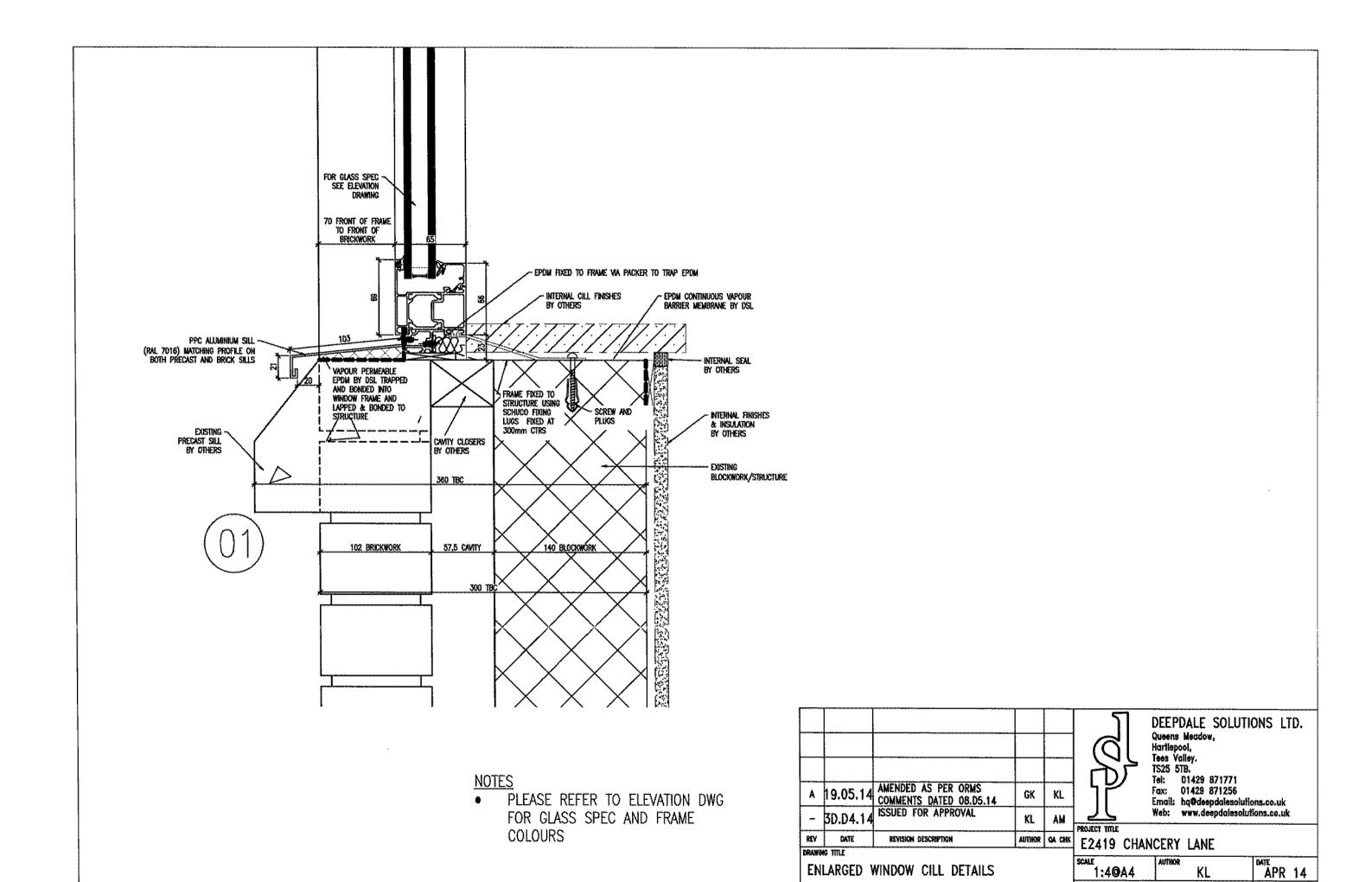
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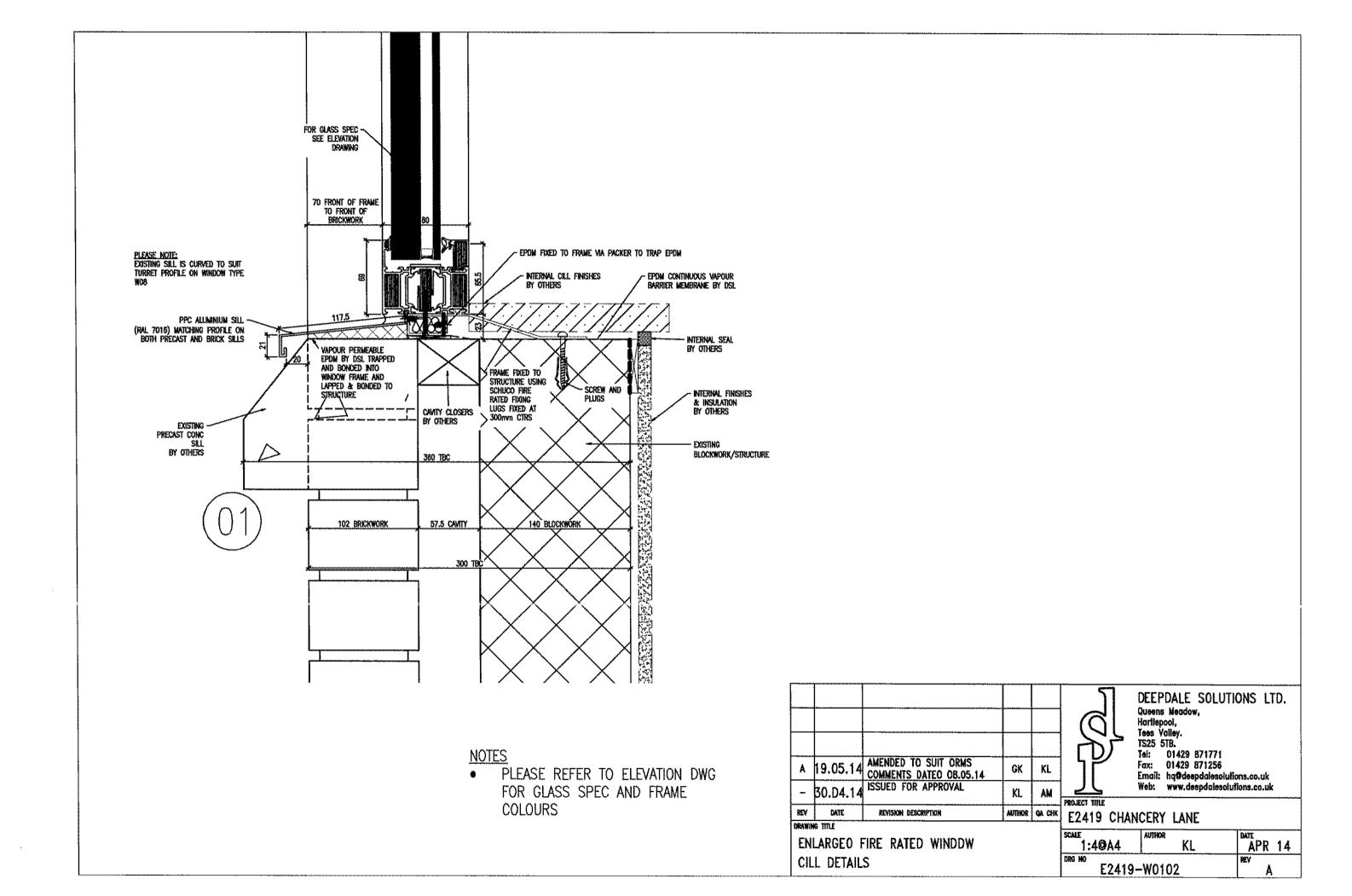
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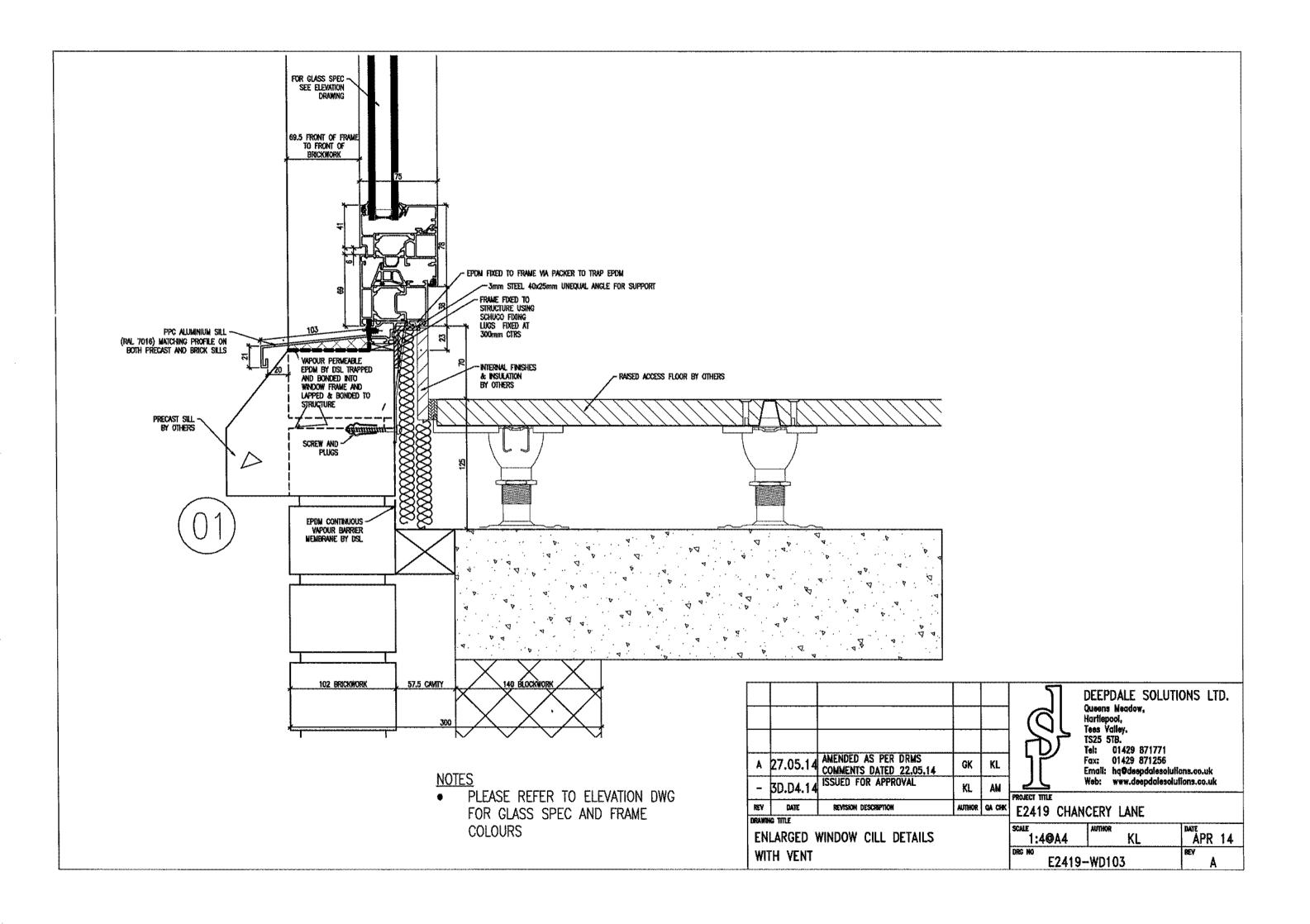


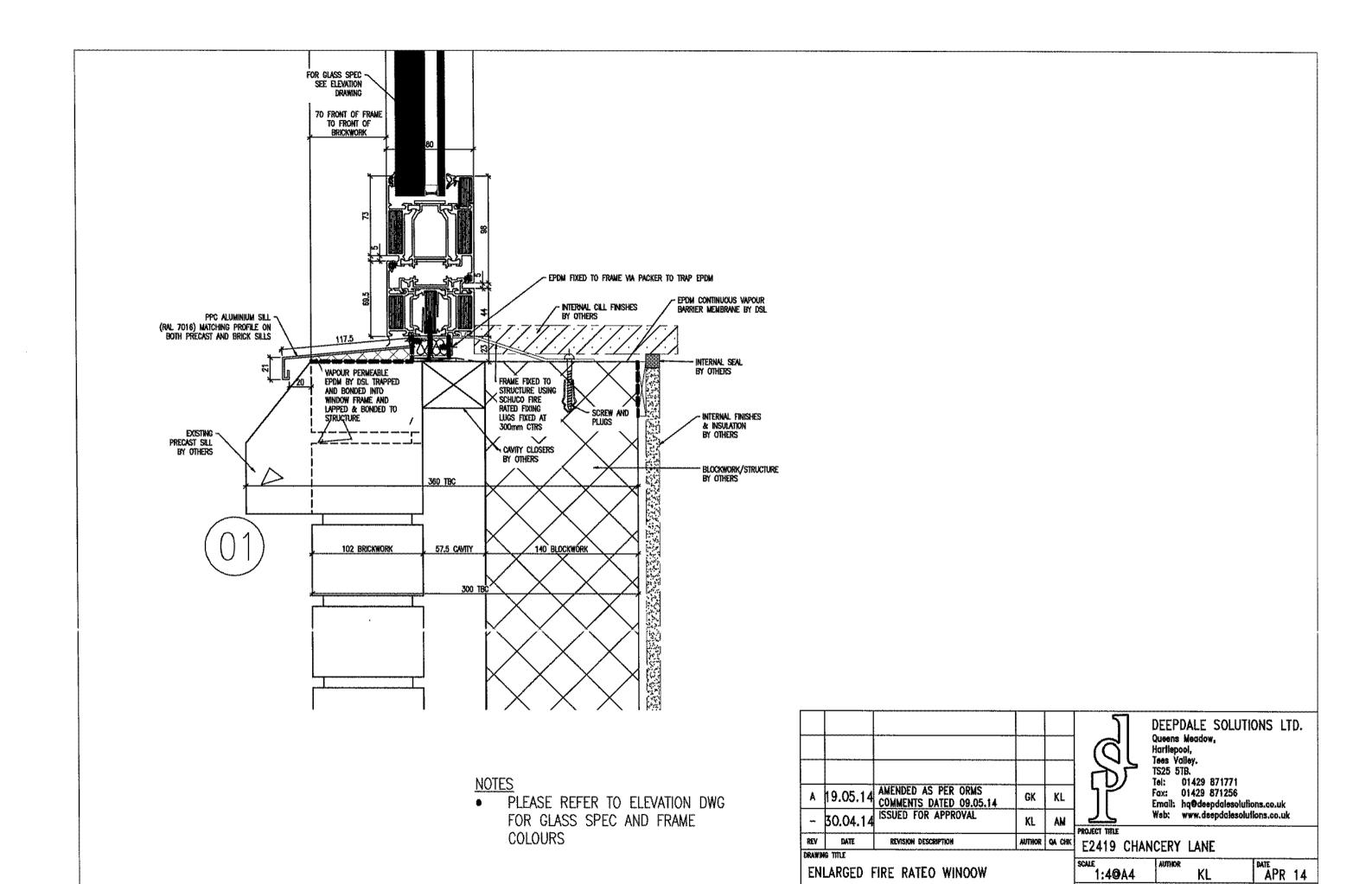
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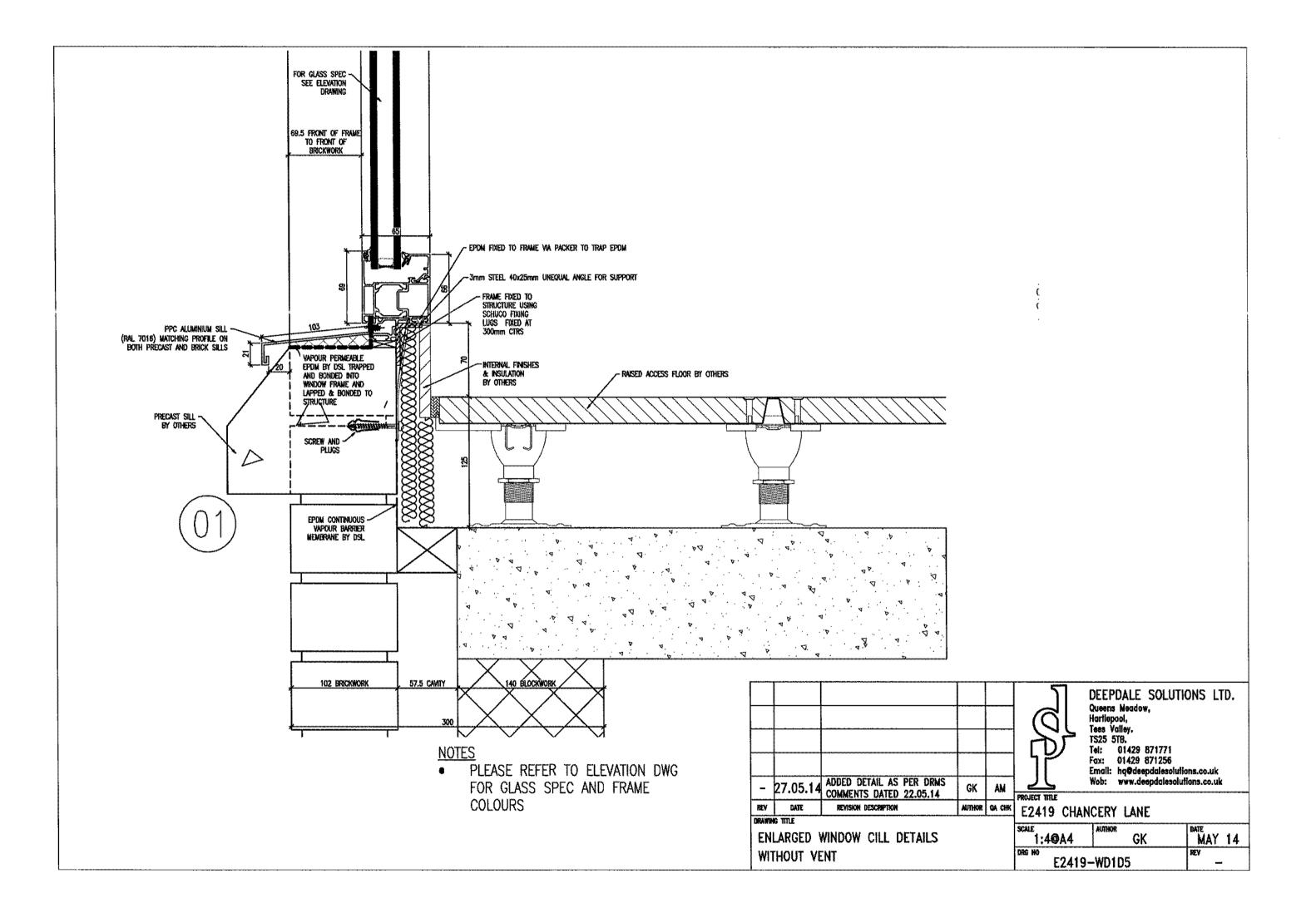
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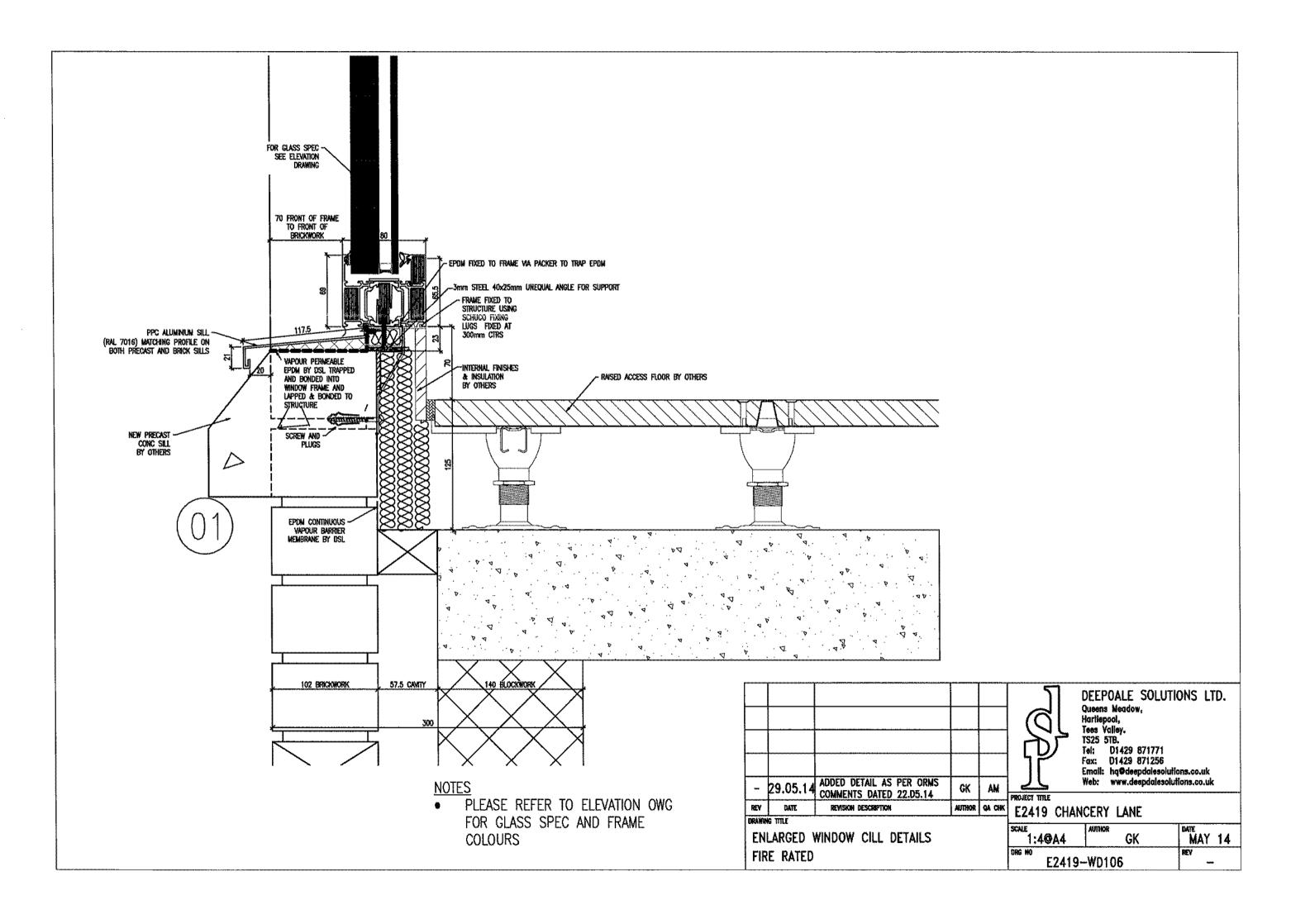
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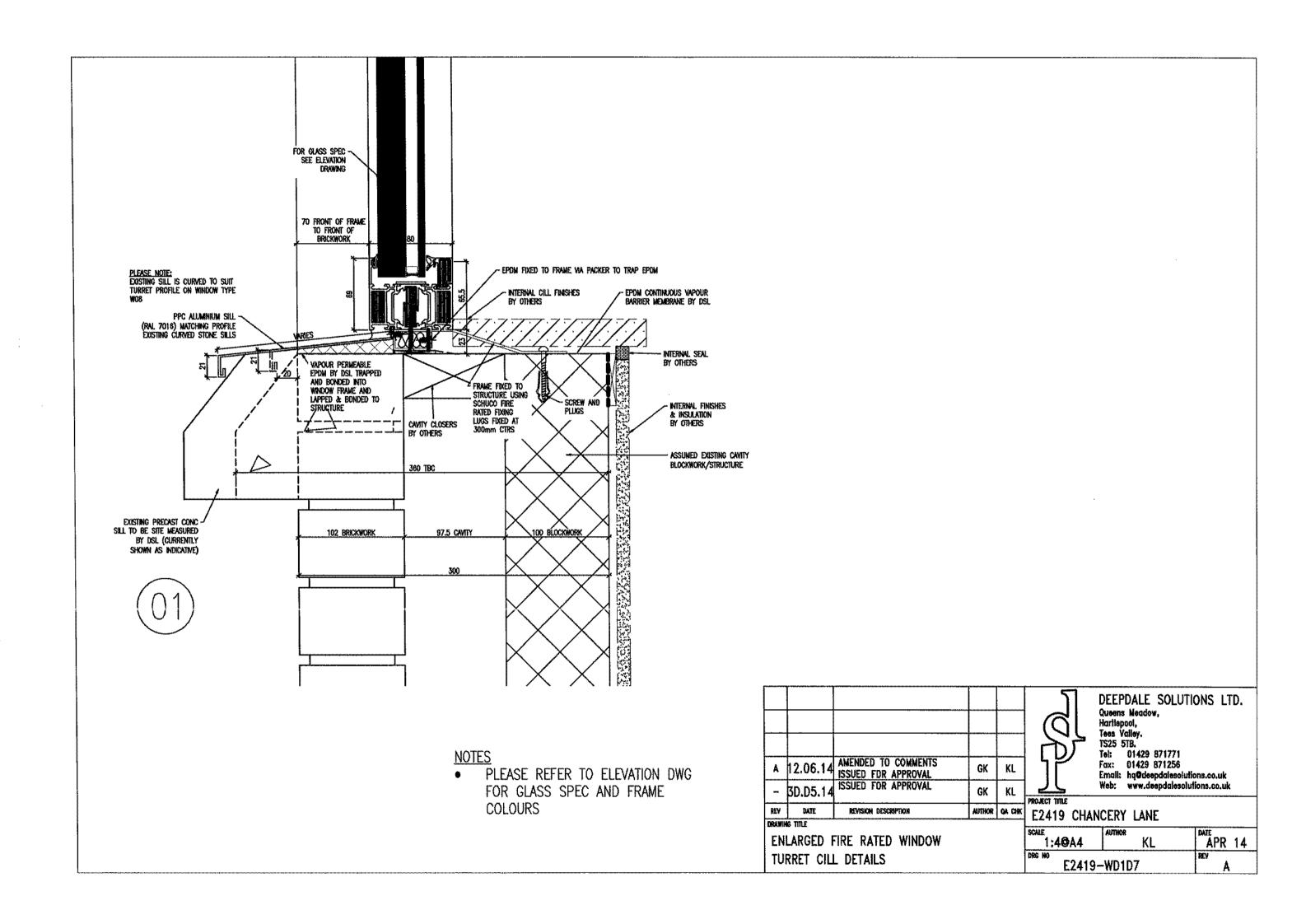
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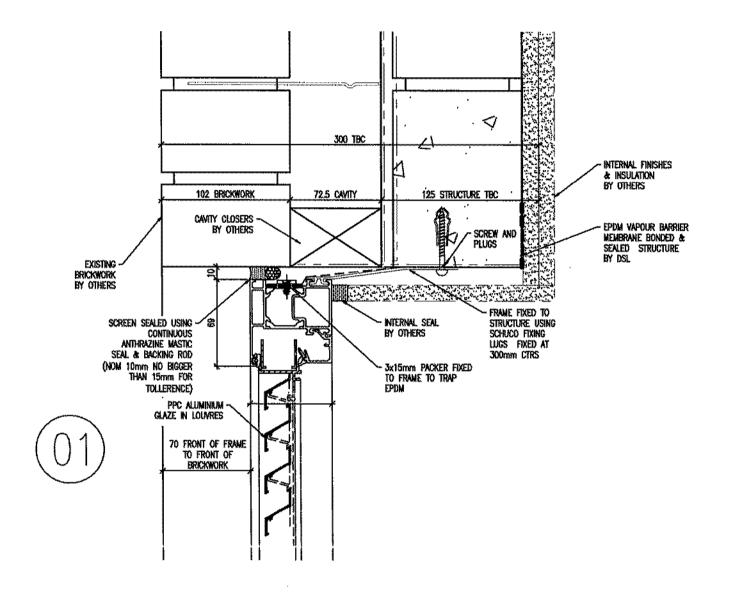
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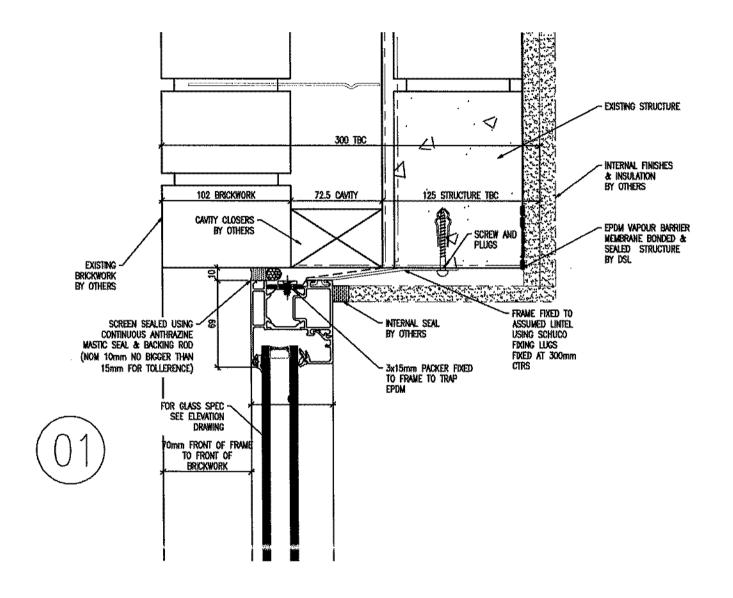




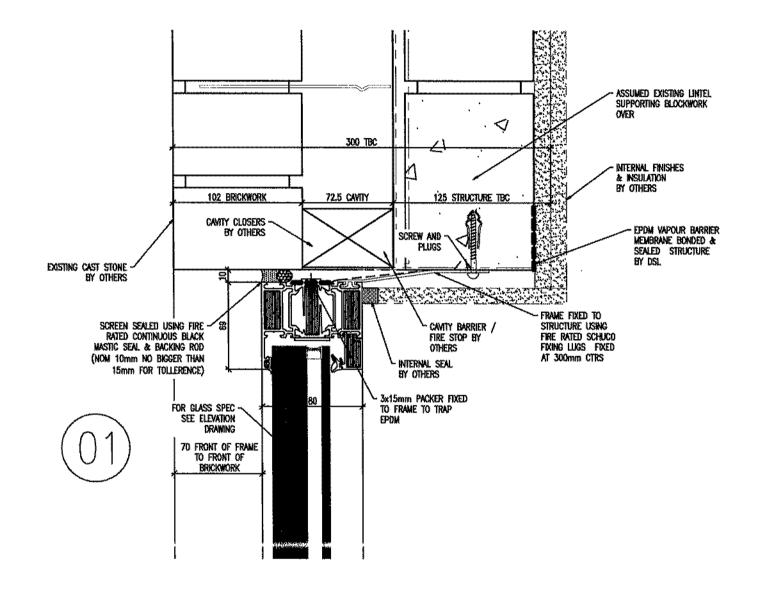




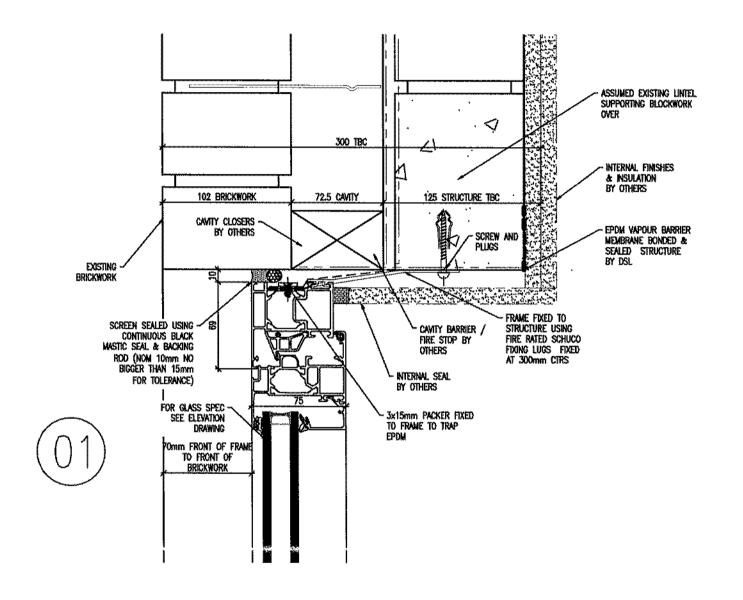
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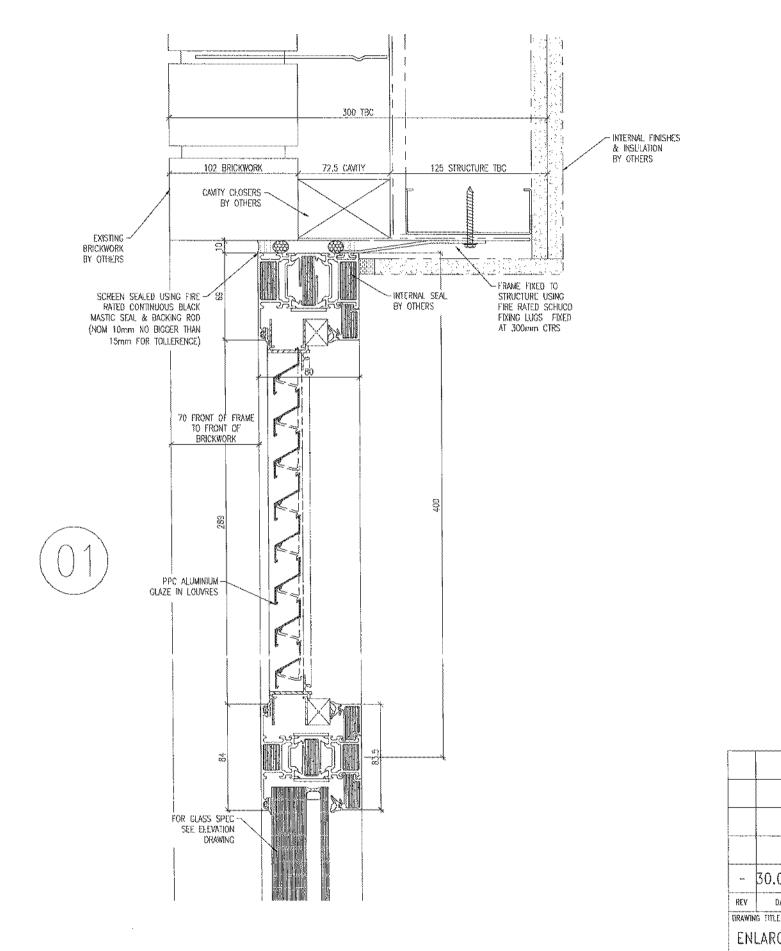
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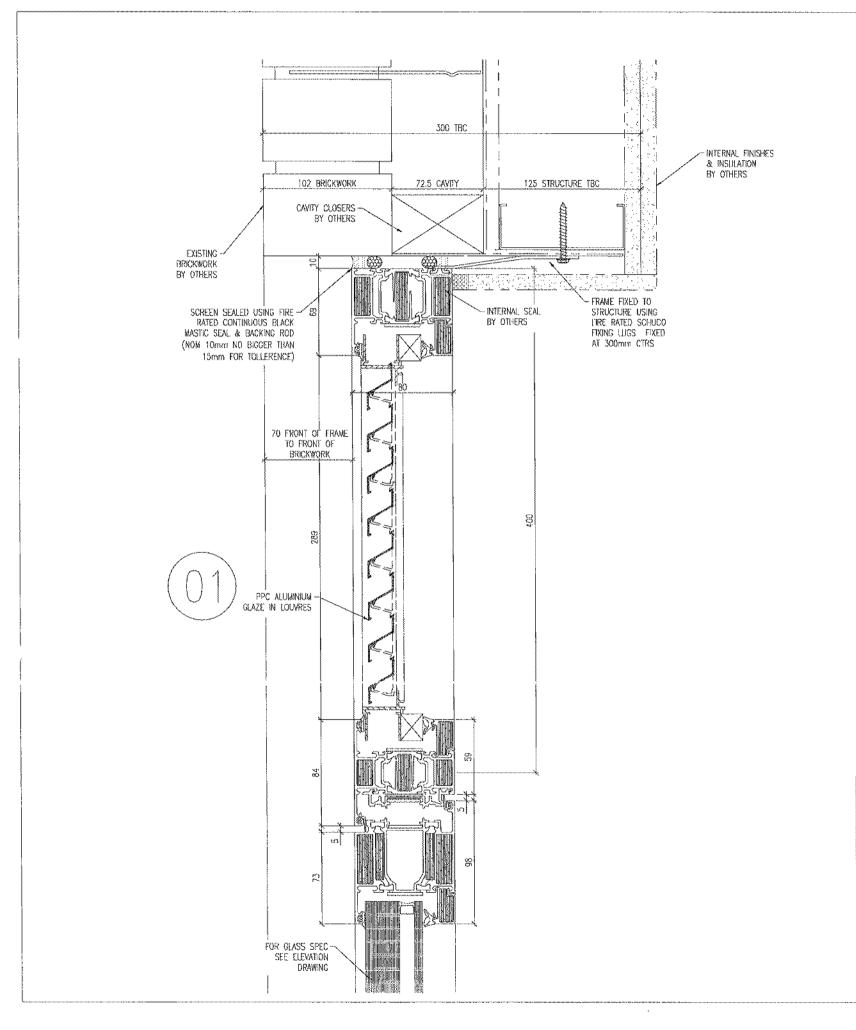


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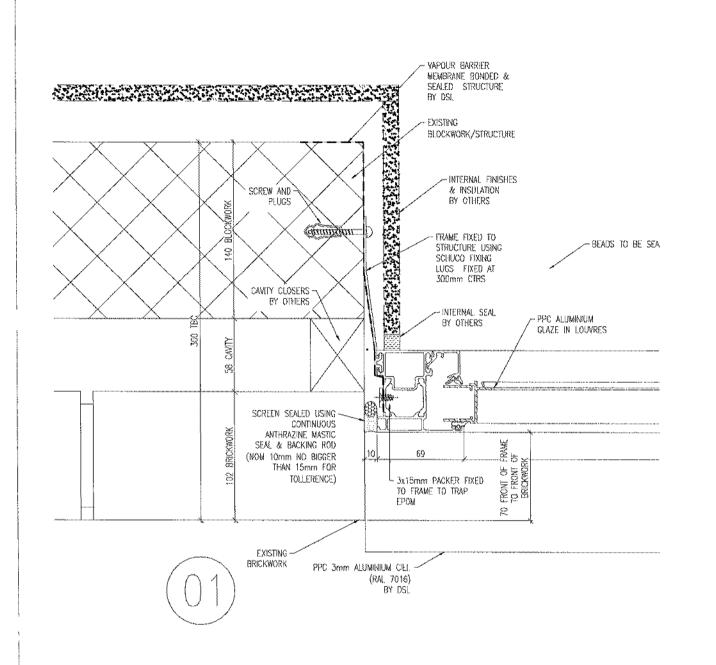
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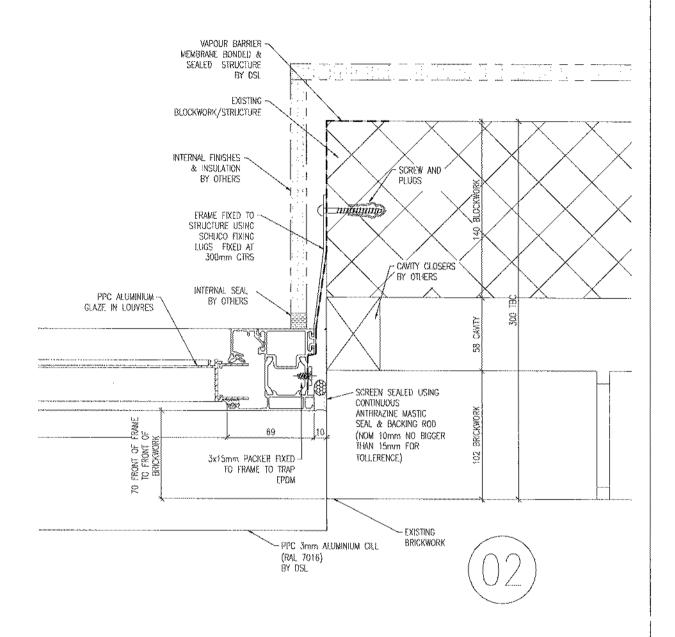
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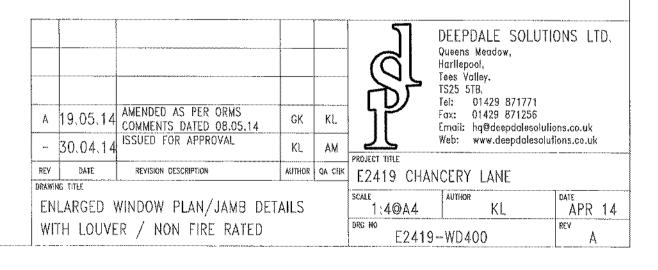


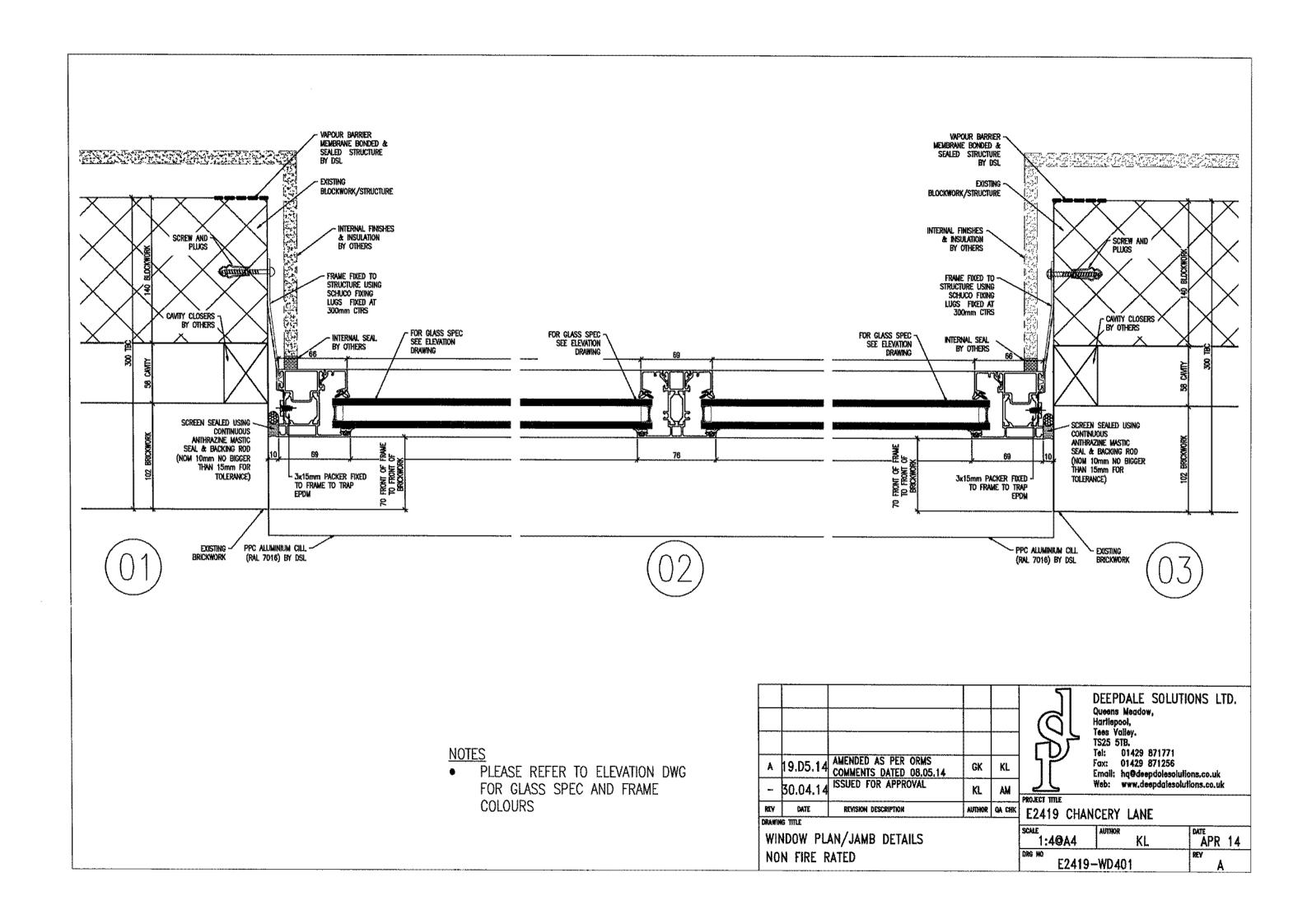
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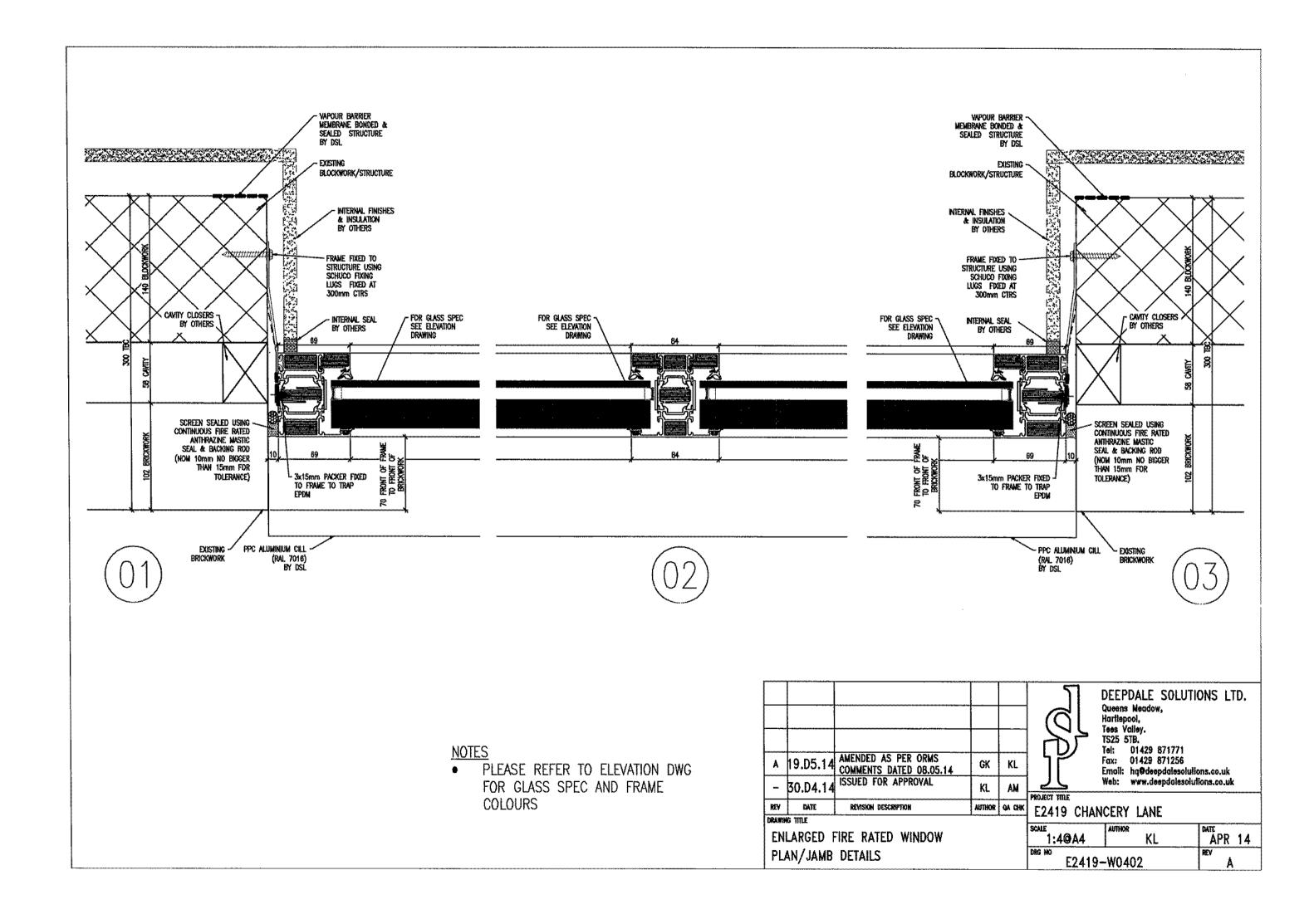
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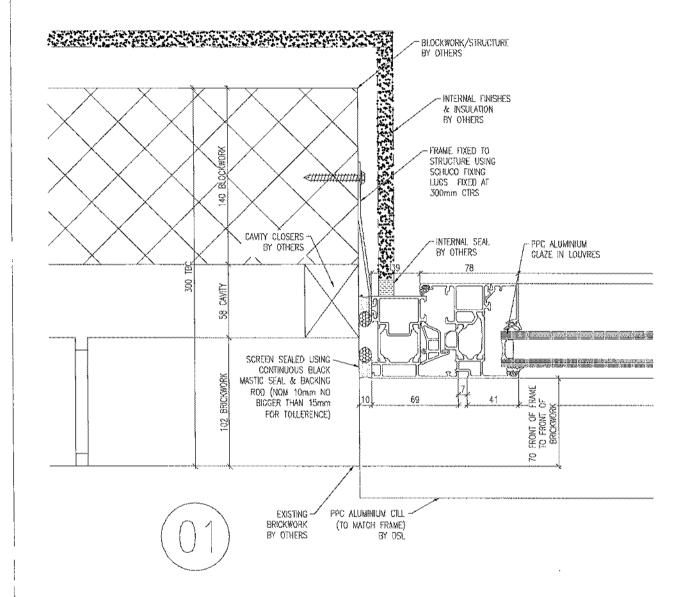


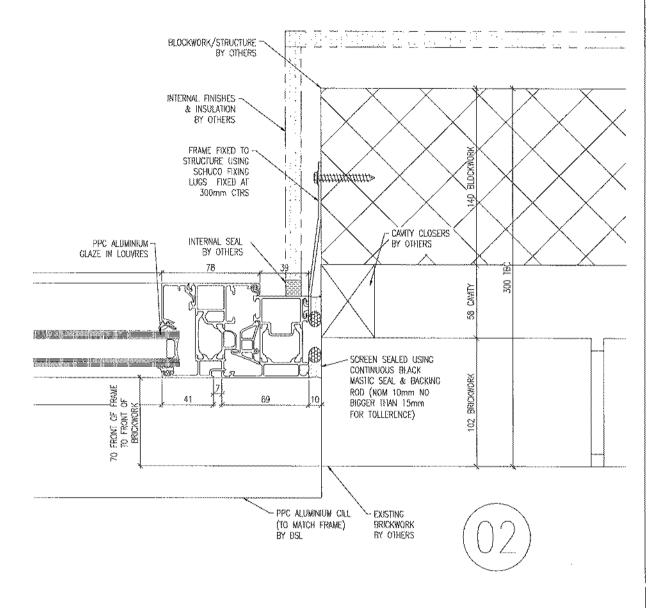


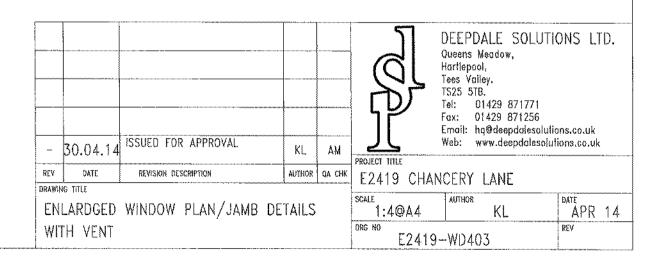


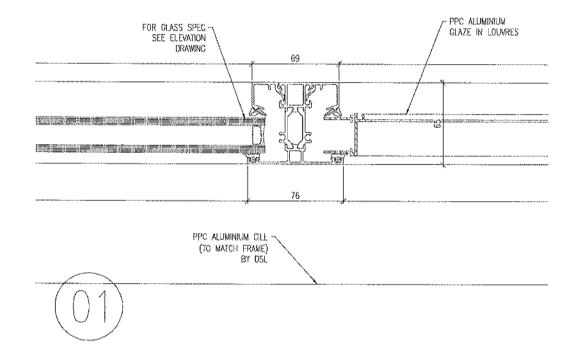






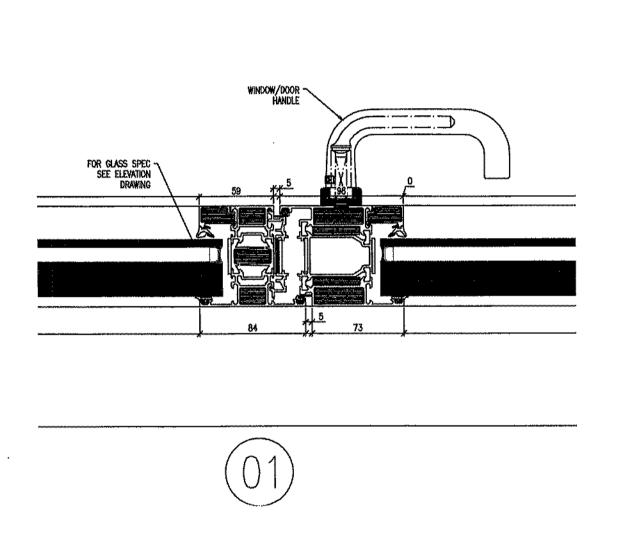


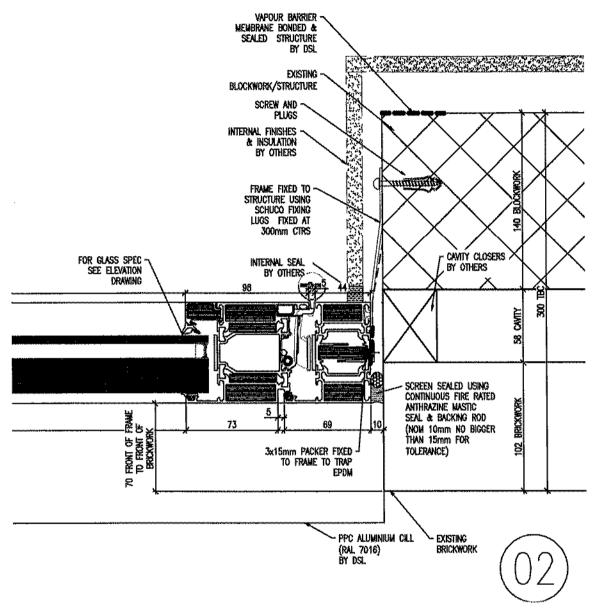




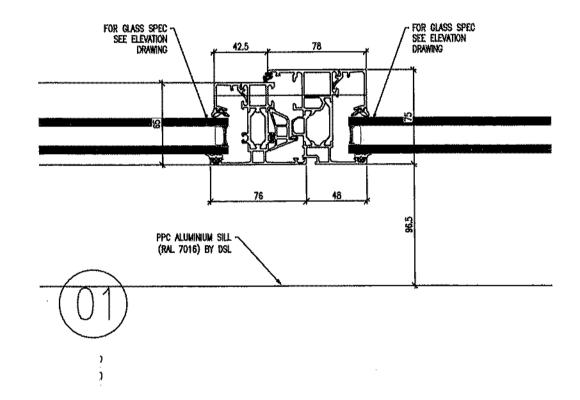
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Windows/ Rooflights/ Screens/ Louvres

## L10 Windows/ Rooflights/ Screens/ Louvres

To be read with Preliminaries/ General conditions.

#### **GENERAL**

#### 110 EVIDENCE OF PERFORMANCE

• Certification: Provide independently certified evidence that all incorporated components comply with specified performance requirements.

## 115 TIMBER PROCUREMENT

- Timber (including timber for wood based products): Obtained from well managed forests and/ or plantations in accordance with:
  - The laws governing forest management in the producer country or countries.
  - International agreements such as the Convention on International Trade in Endangered Species of wild fauna and flora (CITES).
- · Documentation: Provide either:
  - Documentary evidence (which has been or can be independently verified) regarding the provenance of all timber supplied.
  - Evidence that suppliers have adopted and are implementing a formal environmental purchasing policy for timber and wood based products.

## 120 SITE DIMENSIONS

- Procedure: Before starting work on designated items take site dimensions, record on shop drawings and use to ensure accurate fabrication.
- · Designated items: all windows.

#### 140A CONTROL SAMPLES

- i) Tender Samples
- Submit with the tender sufficient samples of the following showing the Contractors selected systems included within the Tender
- A 'L' corner sample of each system 300mm x 300mm length including cappings, pressure plates, gaskets, including glazing finished in the specified system and colour.
   ii) Control Samples (Post Contract pre-Procurement)
  - Submit for comment prior to order/procurement a sample of the following:
- 300mm length of each type of framing including cappings and pressure plates, glazing bars and cills.
- All proposed gasket types, extrusions, moulds, etc. in materials and colour specified. All samples shall include at least one joint.
- Glass samples 600mm x 600mm of all specified glass types.
- All fixings.
- Proposed types of finish.
- Ironmongery.
- Sliding operating mechanisms, track and wheels including automatic chain actuators.
- Switches and controls.
  - iii) Trial assemblies (Ahead to fabrication of remaining areas) Construct independently from the site works the following:
- a typical bay of the curtain wall glazing system L10.316 & L10.317
   iv) Benchmark Control Samples

Provide on site as part of the works, as part of the first completed bay of construction, samples for inspection for all cladding types specified within this Works specification Obtain comments from the Architect and contract Administrator before proceeding with the remaining works. Submit as required until the works is in accordance with the Contract, and

Contractors Final detailed design drawings.

#### **PRODUCTS**

#### 205 WINDOW MATERIALS SPECIFICATION

· Minimum BRE 'Green Guide to Specification Online' rating: A.

- 210A WOOD WINDOWS TYPE EWS05 1st to 3rd Floors Chancery Lane elevation; see Drawing CL100 and CL08 for details
  - Manufacturer: [Mumford and Wood].

Conservation Sash Window

- " Manufacturer: Mumford & Wood
- Web: www.mumfordwood.com
- Email: sales@mumfordwood.com
- Tel: +44 (0)1621 818155
- Fax: +44 (0)1621 818175
- Address: Tower Business Park, Kelvedon Road, Tiptree, Essex CO5 0LX
- " Product reference: Conservation Sash Window
- " Type: Flat
- " Moulding: Ovolo /Lambs tongue
- " Frame:
- Jamb and head: 32 mm /44 mm /57 mm
- Sill: 10 x 10 mm water bar groove /35 mm projection /60 mm projection /85 mm projection /Flush
- " Sash:
- Glass:
- Type: Laminated /Low 'E' toughened /Obscure /Sheet /Sound control /As drawing /As schedule
- Arrangement:
  - Glazing bar: Fine Lambs Tongue, 18 mm /Lambs Tongue, 22 mm
  - Slide/ tilt mechanism: Not required /Required
  - Horns: Not required /Required
  - " Trickle vents: Manufacturer's standard
  - " Finish: Painted, RAL colour: 9010
  - " Linings:
  - "Ironmongery: Catch, brass /Catch, polished chrome /Catch, satin chrome /D pull handles, brass /D pull handles, polished chrome /D pull handles, satin chrome /Sash lifts, brass /Sash lifts, polished chrome /Sash lifts, satin chrome /Sash pulls, brass /Sash pulls, polished chrome /Sash pulls, satin chrome /Security lock stop, bolt and key Other requirements:
- Overall window U-Value to achieve minimum = 1.6 W/m2K
- Full FSC chain of custody certification for windows.
- BRE Green Guide rating of A or higher.

- 210B WOOD WINDOWS TYPE EWS21 1st to 3rd Floors Bishops Court elevation; see Drawing CL100 for details
  - " Manufacturer: [Mumford and Wood].
  - Product reference: [Conservation Acoustic Casement].

Species: [All framing, sash stiles and rails laminated knot free (clear graded) FSC Chain of Custody Certified Larch or solid Douglas Fir at our option.].

" Finish as delivered: [Manufacturer's primer and undercoat and top coat, Three coats colour TBCl.

" Glazing details: [General: Windows will be delivered to site pre-glazed with insulating glass units conforming to:].

BS 952: 1995: Glass for Glazing - Part 1: Classification

BS EN 572: 2004: Glass in building – Basic soda lime silicate glass products – Part 2: Float glass

BS EN 12150: 2000: Glass in building – Thermally toughened soda lime silicate safety glass – Part 1: definition and description

BS EN ISO 12543: 1998: Glass in building - Laminated safety glass

BS EN 12600: 2006: Specification for Impact Performance

BS EN 1279: 2002: Glass in building - Insulating glass units

BS 6262: 1982: Code of practice for glazing for buildings

BS 6262: 2005: Glazing for buildings – Part 4: Code of practice for safety related to human

impact

BS 6206: 1981: Specification for impact performance requirements for flat safety glass and

safety plastics for use in buildings

BS EN 6180: 1999: Barriers in and about buildings - Code of practice

Type: Hi performance neutral toughened and laminated safety solar performance double glazed units comprising external layer of neutral metallic coated solar control to achieve acoustic performance as setout in table below:

Inner Pane: to achieve acoustic performance as setout in table below:

Cavity: to achieve acoustic performance as setout in table below:

Outer Pane: to achieve acoustic performance as setout in table below:

Individual frequency responses as detailed below:

Façade Minimum Sound Reduction Index (dB)

at Octave Band Centre Frequency (Hz)

125 2 5 0 500 1k 2k 4k

25 26 33 37 37 35

In addition to the above requirements, external noise intrusion levels shall not exceed BCO guide to specification 2009 (NR38)

Profile: Ovolo moulded

External Liner: Plain square liners. Cills: Flush Hardwood painted.

Operation: Casement hinged inward opening windows

Ironmongery/ Accessories: [

(2 catches on windows over 1245mm wide).

Security locks to all windows.

Weatherseals: Full standard sealing with Sashglide® insert weatherpile.].

Glazing bars: 17mm wide applied glazing bars to both sides of glass with internal glazing spacer within glazing unit

Fixing: [Screwed to timber framing as clause 780].

Other requirements:

- Overall window U-Value to achieve minimum = 1.6 W/m2K
- Full FSC chain of custody certification for windows.
- BRE Green Guide rating of A or higher.

# 317 BESPOKE DORMER WINDOWS see Drawing CL16

Standard: To BS 6510.

- Manufacturer: [Bespoke, contractor to submit proposals] .
- Product reference: [Bespoke, contractor to submit proposals] .
- Internal framing member:
- Material: Austenitic stainless steel, type 316 S16
- Finish: Natural finish
- Colour: RAL 7016 external, RAL 9010 internal

Description:

- -Fixed glazing: Schueco AWS70 WFHI system. Schueco extruded spacer profile 328630 Performance as per H11 / 137 (typical to all dormers). -Glazed door: inward opening full height Schueco ADS HD FLUSH DOOR into SG.
- Feature anodized colour to extruded profile, colour TBC.
- " Glazing: Glazing type A as H11/360
- "Insulated Panels forming side and top panels of dormers:
- External material: 2 mm thick fully welded aluminium pressings
- External finish: Anodised
- Internal material: 2 mm thick fully welded aluminium pressings
- Internal finish: Plasterboard

Minimum film thickness: Minimum film thickness to achieve the Design Life and Performance Requirements

- Core insulation: to achieve minimum target U-Values Accessories:
- Raise kerb section to insulated aluminium panel at junction with sarking board.
- Anodised composite aluminium panel pre-formed corner capping pieces to all corners of each dormer.
- Co-ordinate fixings with breather membrane P10 / 322.
- Continuous folded aluminium z profile fixed to insulated aluminium panelling providing fixing to allow weathering of metal shingle cladding to extrusion, creating continuous shadowgap detail around extrusion - see CL16, 17.

In addition to the above requirements, external noise intrusion levels shall not exceed BCO guide to specification 2009 (NR38)

## 330A ALUMINIUM CASEMENT WINDOWS TYPE EWS06 non fire rated; for location see

Drawing CL100 and CL09

Manufacturer: Schueco UK Ltd.

- Web: www.schueco.co.uk.
- Email: mkinfobox@schueco.com.
- Product reference: AWS 65 fixed light thermally broken window system
- Size: to be confirmed on site.
- Type: Typically fixed (1 no. open inwards -see CL/100 for location).
- Finish as delivered: Polyester powder coated RAL 7016 external, RAL 9010 internal; 30% gloss.
- Glazing: refer to L40.
- Ironmongery/ accessories: Manufacturer's standard.

#### 330B ALUMINIUM CASEMENT WINDOWS TYPE EWS03 FR 60/60 glazing; for location see Drawing CL100 and CL09

Manufacturer: Schueco UK Ltd.

- Web: www.schueco.co.uk.
- Email: mkinfobox@schueco.com.
- Product reference: ADS 80 FR 60 (El60) (60 minutes integrity and insulation fireresistant) thermally broken aluminium fixed screens).
- · Size: to be confirmed on site.
- Type: Fixed lights using door outer frame and mullion profiles. Openbable with door system
  to 3 nos. windows to south elevation for cleaning & mainteenance purposes refer to CL
  100.
- Finish as delivered: Polyester powder coated colour RAL 7016 external, RAL 9010 internal; 30% gloss.
- · Glazing: refer to L40.
- · Ironmongery/ accessories: Manufacturer's standard.

# 330D ALUMINIUM CASEMENT WINDOWS TYPE EWS06 as 330A with louvers instead of glazing; for location see Drawing CL100 and CL09

Manufacturer: Schueco UK Ltd.

- Web: www.schueco.co.uk.
- Email: mkinfobox@schueco.com.
- Product reference: AWS 65
- · Size: to be confirmed on site.
- Type: Fixed.
- Finish as delivered: Polyester powder coated colour RAL 7016 external, RAL 9010 internal; 30% gloss.
- · Glazing: louvers as L10/650B.
- · Ironmongery/ accessories: Manufacturer's standard.

# 330F ALUMINIUM CASEMENT WINDOWS TYPE EWS03 as 330A to south elevation with louvers above; for location see Drawing CL100 and CL28

Manufacturer: Schueco UK Ltd.

- Web: www.schueco.co.uk.
- Email: mkinfobox@schueco.com.
- Product reference: ADS 80 FR 60 (El60) (60 minutes integrity and insulation fire-resistant) thermally broken aluminium fixed screens).
- · Size: to be confirmed on site.
- · Type: Fixed.
- Finish as delivered: Polyester powder coated colour RAL 7016 external, RAL 9010 internal; 30% gloss.
- Glazing: refer to L40.
- Ironmongery/ accessories: Manufacturer's standard.
  - Meeting rail section detail (steel contour) between louvers and glazing

#### 330G ALUMINIUM CASEMENT WINDOWS TYPE EWS06 as 330A to west elevation with

louvers on side; for location see Drawing CL100 and CL29

Manufacturer: Schueco UK Ltd. - Web: www.schueco.co.uk.

- Email: mkinfobox@schueco.com.
- Product reference: AWS 65
- Size: to be confirmed on site.
- · Type: Fixed.
- Finish as delivered: Polyester powder coated colour RAL 7016 external, RAL 9010 internal:30% gloss.
- Glazing: refer to L40.
- · Ironmongery/ accessories: Manufacturer's standard.
  - Meeting rail section detail (steel contour) between louvers and glazing

#### 490A ROOF VENTILATORS

- Manufacturer: Colt International Ltd.
  - Web: www.coltinfo.co.uk.
  - Email: info@coltgroup.com.
  - Product reference: Seefire Natural Ventilator
- · Dimensions: the requirement is for 1.0m2 dynamic free area
  - Throat widths: to Contractor's design.
  - Throat lengths: to Contractor's design.
- · Louvres: Insulated double skin aluminium.
  - Seals: Rubber seals.
- Finish: Polyester powder coated, colour RAL 7016.
- Base fixing type:
  - Aluminium base profile to suit: Curb.
- · Guards: Insect and Security.
- Initiation: Automatic device able to respond to a release signal.
- · Controls:
  - Electric: to M&E engineer's specification.
  - Pneumatic: to M&E engineer's specification.
  - Manual: Required.
- · Accessories: Base cover and support.

# 650A METAL LOUVRES TYPE EWS07 to Curtain Walling to Chichester Rents; see Drawing CL100

· Manufacturer: Waterloo Air Products Plc

Quarrywood Industrial Estate

Mills Road

Aylesford, Kent

ME20 7NB.

- Product reference: YGA-EF.
- Material: Aluminium.
  - Finish as delivered: Powder coated RAL 7016; 30% gloss.
- Fire resistance rating: n/a.
- · Number of louvre banks: One.
- Louvre blade pitch: 38 mm pitch.
- · Blanking panels: Not required except to retail units (shell & core).
- · Accessories/ Other requirements: bird mesh required behind louvre.
- Fixing: Contractor to submit proposals.

#### 650B METAL LOUVRES to Aluminium Windows - 330D, 330E and 330G; see Drawing CL100

· Manufacturer: Waterloo Air Products Plc

Quarrywood Industrial Estate

Mills Road Aylesford, Kent ME20 7NB.

- Product reference: YGA-EF.
- Material: Aluminium.
  - Finish as delivered: Powder coated RAL 7016; 30% gloss.
- Fire resistance rating: 60 minutes.
- · Number of louvre banks: One.
- · Louvre blade pitch: 38mm pitch.
- · Blanking panels: Not required.
- Accessories/ Other requirements: Bird mesh required behind louvre.
- · Fixing: Contractor to submit proposals.

#### 650C METAL LOUVRES PLANT ROOM ENCLOSURE TO 5TH FLOOR TENANT PLANT see RF 51 and CL 100

- · Manufacturer: Colt International Ltd.
  - Web: www.coltinfo.co.uk.
  - Email: info@coltgroup.com.
  - Product reference: to M&E engineer's specification.
- · Dimensions:
  - Width: to M&E engineer's specification.
  - Height: to M&E engineer's specification.
- · Arrangement: Vertical.
- · Materials: Aluminium.
  - Finish: Anodized aluminium.

Coverage: Total coverage.

Colour: Powder coated RAL 7016.

- · Seals: .
- · Guards: .
- · Blanking panels: Not required.
- · Noise control: to acoustic engineer's specification.
- · Accessories: Concealed frame single door + bird mesh behind louvre.

# 650D METAL LOUVRES TYPE EWS10 to 5th Floor landlord plant room; see Drawing CL 19 and CL 100

· Manufacturer: Waterloo Air Products Plc

Quarrywood Industrial Estate

Mills Road

Aylesford, Kent

ME20 7NB.

- Product reference: YGA-EF.
- Material: Aluminium.
  - Finish as delivered: Powder coated Powder coated RAL 7016.
- Fire resistance rating: N/A.
- · Number of louvre banks: One.
- Louvre blade pitch: 38mm pitch.
- · Blanking panels: Not required.
- Accessories/ Other requirements: Bird mesh required behind louvre.
- Fixing: Contractor to submit proposals.

#### **EXECUTION**

#### 710 PROTECTION OF COMPONENTS

- General: Do not deliver to site components that cannot be installed immediately or placed in clean, dry floored and covered storage.
- Stored components: Stack vertical or near vertical on level bearers, separated with spacers to prevent damage by and to projecting ironmongery, beads, etc.

#### 730 PRIMING/ SEALING

 Wood surfaces inaccessible after installation: Prime or seal as specified before fixing components.

#### 760 REPLACEMENT WINDOW INSTALLATION

• Standard: To BS 8213-4.

#### 765 WINDOW INSTALLATION GENERALLY

- · Installation: Into prepared openings.
- Gap between frame edge and surrounding construction:
  - Minimum: 1.Maximum: 3.
- Distortion: Install windows without twist or diagonal racking.

#### 770 DAMP PROOF COURSES IN PREPARED OPENINGS

• Location: Ensure correct positioning in relation to window frames. Do not displace during fixing operations.

#### 780 FIXING OF WOOD FRAMES

- Standard: As section Z20.
- Fasteners: as per manufacturer's recommendations .
  - Spacing: When not predrilled or specified otherwise, position fasteners not more than 150 mm from ends of each jamb, adjacent to each hanging point of opening lights, and at maximum 450 mm centres.

#### 782 FIXING OF ALUMINIUM FRAMES

- · Standard: As section Z20.
- · Fasteners: as per manufacturer's recommendations.
  - Spacing: When not predrilled or specified otherwise, position fasteners not more than 250 mm from ends of each jamb, adjacent to each hanging point of opening lights, and at maximum 600 mm centres.

#### 790 FIRE RESISTING FRAMES

 Gap between back of frame and reveal: Completely fill with FR material as per manufacturer's recommendations.

#### 810 SEALANT JOINTS

- Sealant:
  - Manufacturer: submit proposals.
    Product reference: submit proposals.
  - Colour: submit proposals.
  - Application: As section Z22 to prepared joints. Finish triangular fillets to a flat or slightly convex profile.

## 820 IRONMONGERY

- Fixing: Assemble and fix carefully and accurately using fasteners with matching finish supplied by ironmongery manufacturer. Do not damage ironmongery and adjacent surfaces.
- Checking/ Adjusting/ Lubricating: Carry out at Completion and ensure correct functioning.