Our Ref: OM-DO/013

20 June 2007

Alpha
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MEMORANDUM

To : Mechanical Engineers & Mechanical CAD

From : Andrew Loh

AMENDMENTS TO SCHEDULE OF PIPE SIZES FOR SANITARY INSTALLATION

Please be informed that the above has been amended. For details, please refer to the scanned feedback form in **\Library\Feedback\Forms\98-280507(S)**.

ANDREW LOH

cc TLS/RT/CCG/LFY/GSH

enc

NHS/hi

BCA
ISO 9000
CERT. NO.: 324
SS ISO 9001 : 2000

Alpha
Consulting Engineers Pte Ltd

FEEDBACK REPORT FORM

Ref No: 98-280507(S)

To: LCT From: NHS (28/5/07)

Job No./Project: — *(where applicable)*

Source of feedback: LCT

Scope of Feedback: *Quality System/Administrative/Contractual/Technical/Specification/Others

Section A : Problem & Cause

CURRENT TABLES FOR SCHEDULE OF PIPE SIZES FOR SOIL & WASTE APPLIANCES ARE CONFUSING.

Section B : Suggested Corrective Action

a) TO AMEND AS PER LCT's COMMENTS (PG 1/4).
b) REVISED SCHEDULE (PG 2/4)
c) OLD FEEDBACK FORM FOR REF. (PG 3/4 & 4/4)
— THIS FEEDBACK FORM WILL BE SUPERSEDED (ONLY FOR SANITARY ITEMS)

Section C: Approved Corrective Action

Approved By : Date: 8/6

Section D : Action

Action By: NHS

Targeted Completion: 28/5/07

Actual Completion: 28/5/07 Verified By:

* *Delete as appropriate*

Distribution:

Schedule of Pipe connection size for soil & waste Appliances

1. ~~MINIMUM INTERNAL DIAMETER~~ Nominal OF WASTE PIPE FOR ~~EACH TYPE OF WASTE SANITARY APPLIANCE~~ ~~CONNECTION TO FLOOR TRAP~~

TYPE OF APPLIANCE	~~MIN. INTERNAL~~ Nominal DIAMETER OF WASTE PIPE IN mm	Remark
WASH BASIN (B)	32	
SINK (SK)	40	
LONG BATH (LB)	40	
UNDERNEATH LONG BATH	32	
FOOT BATH	40	
WASH TROUGH	40	
DRINKING FOUNTAIN	32	
WASHING MACHINE	50	
WATER HEATER OVERFLOW PIPE	20	
BIDET (Bd)	40	
URINAL (UR)	40	

~~* UNLESS OTHERWISE STATED~~

2. MAXIMUM NUMBER OF WASTE and SANITARY APPLIANCE ALLOWED ON ~~EACH DIA. OF~~ COMMON WASTE PIPE ~~WASTE SANITARY APPLIANCE CONNECTED IN SERIES~~

Combine

TYPE OF APPLIANCE	Nominal ~~MIN. INTERNAL~~ DIAMETER OF COMMON WASTE PIPE	
	50mm	75mm
WASH BASIN (B)	3	10
SINK (SK)	2	6
URINAL (UR)	5	10

MAX. NUMBER OF WASTE/SANITARY APPLIANCE

~~* UNLESS OTHERWISE STATED~~

3. ~~MINIMUM~~ Nominal DIAMETER OF ~~WASTE~~ DISCHARGE PIPE ~~FOR SANITARY APPLIANCE~~

TYPE OF APPLIANCE	~~MIN. INTERNAL~~ Nom DIAMETER OF WASTE PIPE IN mm
WATER CLOSET (WC)	100
FLOOR WASTE (FW)	50 or 75(if serving san. app./shower)
FLOOR TRAP (FT)	75 (A/G) or 100 (U/G)
BIDET TRAP (BT)	75 (A/G) or 100 (U/G)
URINAL TRAP (UT)	75 (A/G) or 100 (U/G)

~~* UNLESS OTHERWISE STATED~~

COMMENTS BY LCT

1/4

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1. SCHEDULE OF PIPE CONNECTION SIZE FOR SOIL & WASTE APPLIANCES

TYPE OF APPLIANCE	NOMINAL DIAMETER OF WASTE PIPE IN mm	REMARK
WASH BASIN (B)	32	
SINK (SK)	40	
LONG BATH (LB)	40	
UNDERNEATH LONG BATH	32	
FOOT BATH	40	
WASH TROUGH	40	
DRINKING FOUNTAIN	32	
WASHING MACHINE	50	
WATER HEATER OVERFLOW PIPE	20	
BIDET (Bd)	40	soil & waste
URINAL (UR)	40	soil & waste
WATER CLOSET (WC)	100	soil & waste
FLOOR WASTE (FW)	50 ~~(B/B)~~ or 75 ~~(U/G)~~ ~~75 (if serving san. app./shower)~~	75 mm ϕ fw shower
FLOOR TRAP (FT)	75 (A/G) or 100 (U/G)	
BIDET TRAP (BT)	75 (A/G) or 100 (U/G)	soil & waste
URINAL TRAP (UT)	75 (A/G) or 100 (U/G)	soil & waste

2. MAXIMUM NUMBER OF WASTE & SANITARY APPLIANCE ALLOWED ON COMMON WASTE PIPE

TYPE OF APPLIANCE	NOMINAL DIAMETER OF COMMON WASTE PIPE	
	50mm	75mm
WASH BASIN (B)	3	10
SINK (SK)	2	6
URINAL (UR)	5	10

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REVISED SCHEDULE

FOR REFENCE ONLY

FEEDBACK REPORT FORM

Alpha Engineering Consultant

Ref No: 85-V6030S

To: LCT From: NHS

Job No./Project: PLUMBING & SANITARY *(where applicable)*

Source of feedback: –

Scope of Feedback: *Quality ~~System~~/Administrative/Contractual/Technical/Specification/Others

Section A : Problem & Cause

1) LABELLING OF PIPE SIZES IN TOILETS MAKES THE DRAWING LOOK CRAMP & MESSY. (SEE ATTACHED)

2) "ORIFICE PLATE" AT PNEUMATIC TANK (SEE ATTACHED) DO NOT SERVE AS A PURPOSE AS THERE IS A 'PRV'

Section B : Suggested Corrective Action

1) NOT TO LABEL PLANS BUT PROVIDE PIPE SIZES' TABLES. (SEE ATTACHED) – DWGS WILL LOOK NEAT.

2) TO REMOVE 'ORIFICE PLATE' (SEE ATTACHED)

Section C: Approved Corrective Action

Approved By : [signature] Date: 17/3/05.

Section D : Action

Action By: NHS (CAD)

Targeted Completion: END MAR '05

Actual Completion: 18/03/05

Verified By: [signature] UZ.

* *Delete as appropriate*

Distribution:

3/4

FOR REFERENCE ONLY

CURRENT TABLE

1. MINIMUM INTERNAL DIAMETER OF WASTE PIPE FOR EACH TYPE OF WASTE SANITARY APPLIANCE

TYPE OF APPLIANCE	MIN. INTERNAL DIAMETER* OF WASTE PIPE IN mm
WASH BASIN (B)	32
SINK (SK)	40
LONG BATH (LB)	40
UNDERNEATH LONG BATH	32
FOOT BATH	40
WASH TROUGH	40
DRINKING FOUNTAIN	32
WASHING MACHINE	50

* UNLESS OTHERWISE STATED

2. MAXIMUM NUMBER OF WASTE SANITARY APPLIANCE ALLOWED ON EACH DIA.. OF COMMON WASTE PIPE WASTE SANITARY APPLIANCE CONNECTED IN SERIES

TYPE OF APPLIANCE	MIN. INTERNAL DIAMETER* OF COMMON WASTE PIPE		MAX. NUMBER OF WASTE SANITARY APPLIANCE
	50mm	75mm	
WASH BASIN (B)	3	10	
SINK (SK)	2	6	
URINAL (UR)	5	10	

* UNLESS OTHERWISE STATED

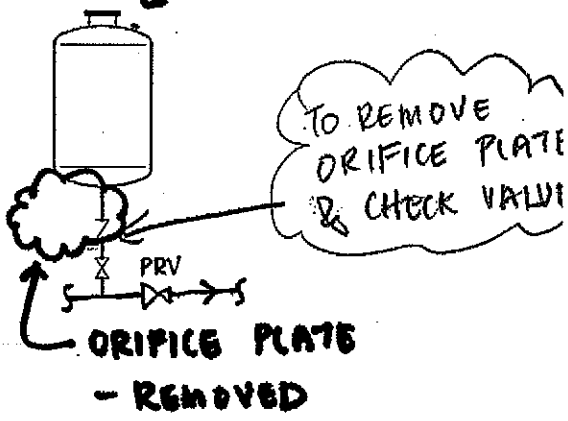
3. MINIMUM DIAMETER OF WASTE DISCHARGE PIPE

TYPE OF APPLIANCE	MIN. INTERNAL DIAMETER* OF WASTE PIPE IN mm
WATER CLOSET (WC)	100
FLOOR WASTE (FW)	75
FLOOR TRAP (FT)	75 (A/G) or 100 (U/G)
BIDET TRAP (BT)	75 (A/G) or 100 (U/G)
URINAL TRAP (UT)	100

* UNLESS OTHERWISE STATED

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B3PTANK.dwg



SCHEDULE OF PIPE SIZES

SANITARY APPLIANCE/FITTING		MIN. INTERNAL DIAMETER* OF COLD/HOT WATER SUPPLY PIPE IN mm (FOR EACH)
WASH BASIN (B)		15
KITCHEN SINK (SK)		20
LONG BATH (LB)		20
SHOWER (SH)		20
WATER CLOSET (WC)		20
WATER CLOSET	SFV or MFV	25
URINAL (UR)	SFV or MFV	15
HOSE UNION TAP (Ht)		20
BIB TAP (Bt)		15

* UNLESS OTHERWISE STATED

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PG 4/5 OF FEEDBACK FORM

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FOR VERIFICATION

1. SCHEDULE OF PIPE CONNECTION SIZE FOR SOIL & WASTE APPLIANCES

TYPE OF APPLIANCE	NOMINAL DIAMETER OF WASTE PIPE IN mm	REMARK
WASH BASIN (B)	32	
SINK (SK)	40	
LONG BATH (LB)	40	
UNDERNEATH LONG BATH	32	
FOOT BATH	40	
WASH TROUGH	40	
DRINKING FOUNTAIN	32	
WASHING MACHINE	50	
WATER HEATER OVERFLOW PIPE	20	
BIDET (Bd)	40	SOIL & WASTE
URINAL (UR)	40	SOIL & WASTE
WATER CLOSET (WC)	100	SOIL & WASTE
FLOOR WASTE (FW)	50 or 75	ø75mm FOR SHOWER
FLOOR TRAP (FT)	75 (A/G) or 100 (U/G)	
BIDET TRAP (BT)	75 (A/G) or 100 (U/G)	SOIL & WASTE
URINAL TRAP (UT)	75 (A/G) or 100 (U/G)	SOIL & WASTE

2. MAXIMUM NUMBER OF WASTE & SANITARY APPLIANCE ALLOWED ON COMMON WASTE PIPE

TYPE OF APPLIANCE	NOMINAL DIAMETER OF COMMON WASTE PIPE	
	50mm	75mm
WASH BASIN (B)	3	10
SINK (SK)	2	6
URINAL (UR)	5	10

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