HIGH CONTAINMENT CONSTRUCTION ISSUES SUGGESTED RELATIONSHIP WITH ALTERNATIVE BUILDING TECHNOLOGIES

	CONCRETE	CONCRETE	PLASTER	CEMENT	LOCAL	IMPORTED	IMPORTED
BUILDING TECHNOLOGY —	•	BLOCK	BOARD	SHEET	SANDWICH	SANDWICH	STAINLESS
			(Note 1)	(Note 1)	PANEL	PANEL	STEEL
HIGH CONTAINMENT BUILDING			((SANDWICH
FACTORS							PANEL
CONSTRUCTION							
TECHNOLOGY SIMPLICITY	G	G	G	MG	М	PM	PM
EASE OF BUILD.	М	MG	М	М	MG	М	М
COST	М	М	G	G	MG	PM	Р
RETROFIT							
WEIGHT	Р	Р	G	G	G	G	G
ACCESS ISSUES	PM	G	М	М	М	М	М
CEILING TRAFFICABILITY	-	-	Р	Р	G	MG	MG
FLEXIBILITY/LAYOUT CHANGE	Р	PM	G	G	Р	Р	Р
SETTLING/BUILDING MOVEMENT		_	_	_	_		-
(resistance to cracking)	PM	Р	Р	Р	G	G	G
(
PERFORMANCE							
STRENGTH	G	G	Р	Р	PM	PM	М
LONGEVITY	G	G	M	M	MG	MG	G
BRITTLENESS/CRACKING	MG	MG	P	P	G	G	G
PRESSURE CAPACITY	G	G	Р	Р	G	G	G
PERFORATION	G	G	Р	М	PM	PM	MG
DIFFERENT MATERIAL FOR							
CEILING AND JOINT/SEALING	М	М	М	М	G	G	G
IMPLICATIONS							
SERVICES SUPPORT							
DUCTS	G	MG	Р	Р	М	М	М
ELECTRICAL	G	G	М	М	G	G	G
FLEXIBILITY & CHANGE	Р	PM	G	G	Р	Р	Р
SURFACE MOUNTING	G	G	PM	PM	G	G	G
PENETRATIONS							
SEALING	G	G	Μ	М	G	G	G
FLEXIBILITY	Р	PM	G	G	Р	Р	Р
DOOR MOUNTING	G	G	PM	PM	M	M	M
GLAZING	G	G	PM	PM	M	M	M
STEAM STERILISER	G	G	PM	PM	M	M	M
DUNK TANK	G	G	PM	PM	M	M	M
PASS THROUGH PORT	G	G	PM	PM	M	M	M
DECONTAMINATION CHAMBER	G	G	PM	PM	M	M	M
OVERALL SEAL PERFORMANCE							
ACHIEVEMENT OF 2.0 L/sec @ 200 PA	G	MG	Р	Р	G	MG	
AUSTRALIAN CONTENT	G	G	G	G	G	Р	Р

LEGEND: P = POOR PM = POOR-MEDIUM M = MEDIUM M = MEDIUM TO GOOD G = GOOD

Notes:

1. Consider vinyl sheet finish with coving to floors, walls and ceilings.

	CONCRETE	CONCRETE	PLASTERB	CEMENT	LOCAL	IMPORTED	IMPORTED
BUILDING TECHNOLOGY —	▶	BLOCK	OARD (Note	SHEET (Note	SANDWICH	SANDWICH	STAINLESS
			1)	1)	PANEL	PANEL	STEEL
HIGH CONTAINMENT BUILDING							
FACTORS							FANEL
CONSTRUCTION							
TECHNOLOGY SIMPLICITY	G	G	G	MG	М	PM	PM
EASE OF BUILD.	М	MG	М	М	MG	М	М
COST	М	М	G	G	MG	PM	Р
<u>RETROFIT</u>							
WEIGHT	Р	Р	G	G	G	G	G
ACCESS ISSUES	PM	G	М	М	М	М	М
CEILING TRAFFICABILITY	-	-	Р	Р	G	MG	MG
FLEXIBILITY/LAYOUT CHANGE	Р	PM	G	G	Р	Р	Р
SETTLING/BUILDING MOVEMENT	514				2		<u> </u>
(resistance to cracking)	РМ	Р	Р	Р	G	G	G
(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
PERFORMANCE							
STRENGTH	G	G	Р	Р	PM	PM	М
LONGEVITY	G	G	М	М	MG	MG	G
BRITTLENESS/CRACKING	MG	MG	Р	Р	G	G	G
PRESSURE CAPACITY	G	G	Р	Р	G	G	G
PERFORATION	G	G	Р	М	PM	PM	MG
DIFFERENT MATERIAL FOR							
CEILING AND JOINT/SEALING	М	М	М	М	G	G	G
IMPLICATIONS							
SERVICES SUPPORT							
DUCTS	G	MG	Р	Р	М	М	М
ELECTRICAL	G	G	М	М	G	G	G
FLEXIBILITY & CHANGE	Р	PM	G	G	Р	Р	Р
SURFACE MOUNTING	G	G	PM	PM	G	G	G

BUILDING TECHNOLOGY —	CONCRETE ▶	CONCRETE BLOCK	PLASTER BOARD	CEMENT SHEET	LOCAL SANDWICH	IMPORTED SANDWICH	IMPORTED STAINLESS
HIGH CONTAINMENT BUILDING			(Note 1)	(Note 1)	PANEL	PANEL	SIEEL
FACTORS							
PENETRATIONS							
SEALING	G	G	М	М	G	G	G
FLEXIBILITY	Р	PM	G	G	Р	Р	Р
DOOR MOUNTING	G	G	PM	PM	М	М	М
GLAZING	G	G	PM	PM	М	М	М
STEAM STERILISER	G	G	PM	PM	М	М	М
DUNK TANK	G	G	PM	PM	М	М	М
PASS THROUGH PORT	G	G	PM	PM	М	М	М
DECONTAMINATION CHAMBER	G	G	PM	PM	М	М	М
OVERALL SEAL PERFORMANCE							
ACHIEVEMENT OF 2.0 L/sec @ 200 PA	G	MG	Р	Р	G	MG	
OTHER							
AUSTRALIAN CONTENT	Ğ	Ğ	Ğ	Ğ	Ğ	P	P

Notes:

1. Consider vinyl sheet finish with coving to floors, walls and ceilings.

<u>LEGEND:</u> P = POOR PM = POOR-MEDIUM M = MEDIUMM = MEDIUM TO GOOD G = GOOD