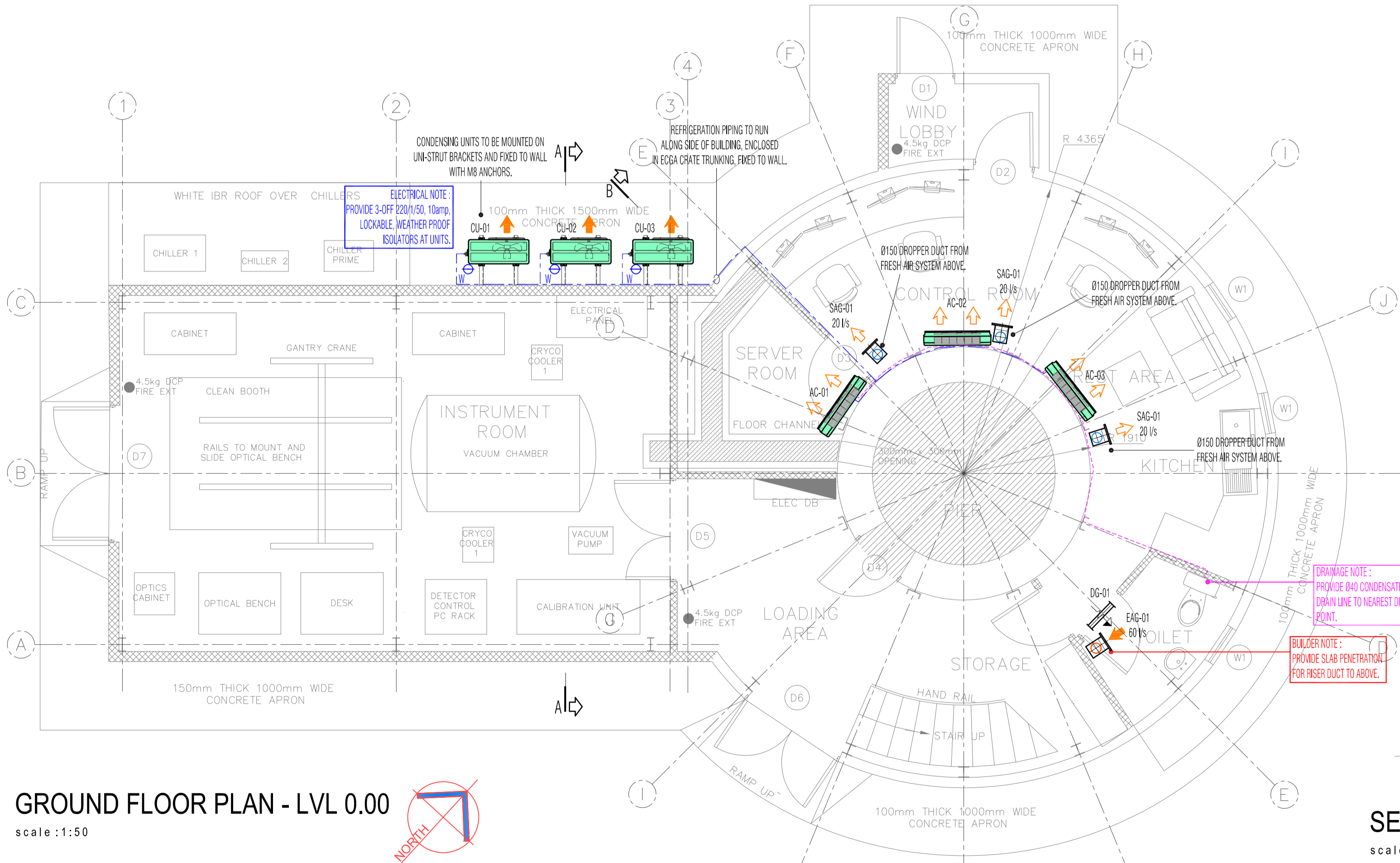


INTERMEDIATE FLOOR PLAN - LVL 2.65
scale : 1:50



GROUND FLOOR PLAN - LVL 0.00
scale : 1:50

SECTION A - A
scale : 1:50

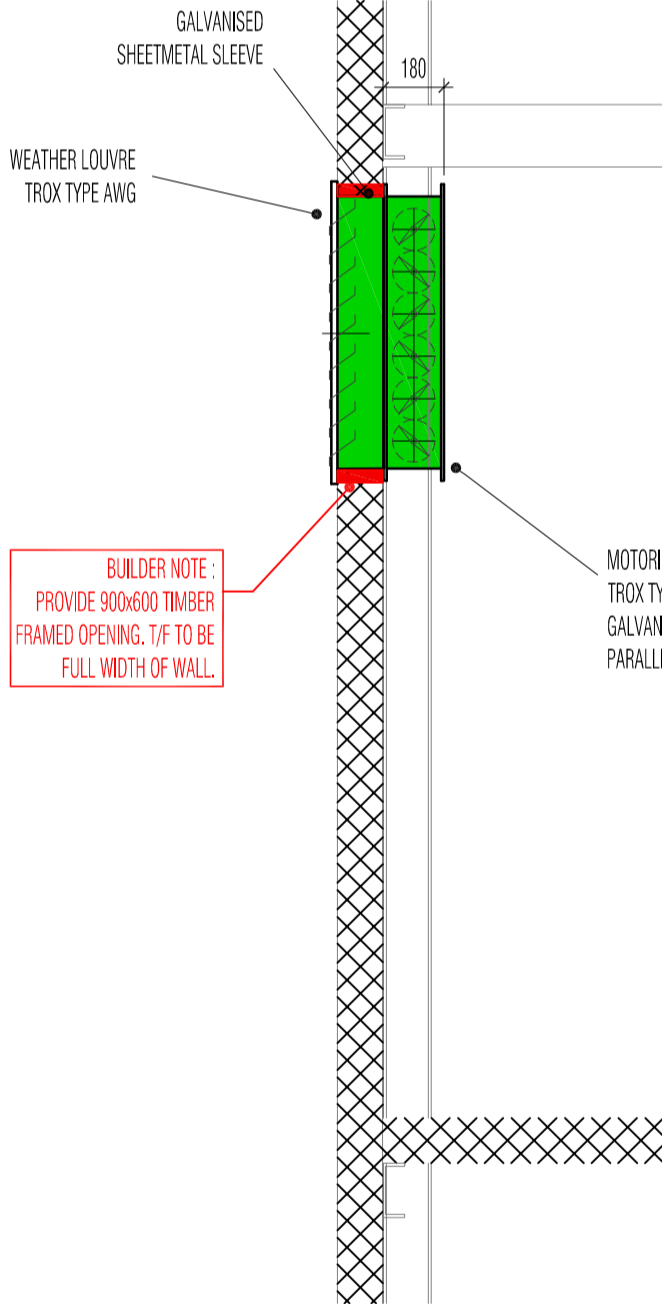
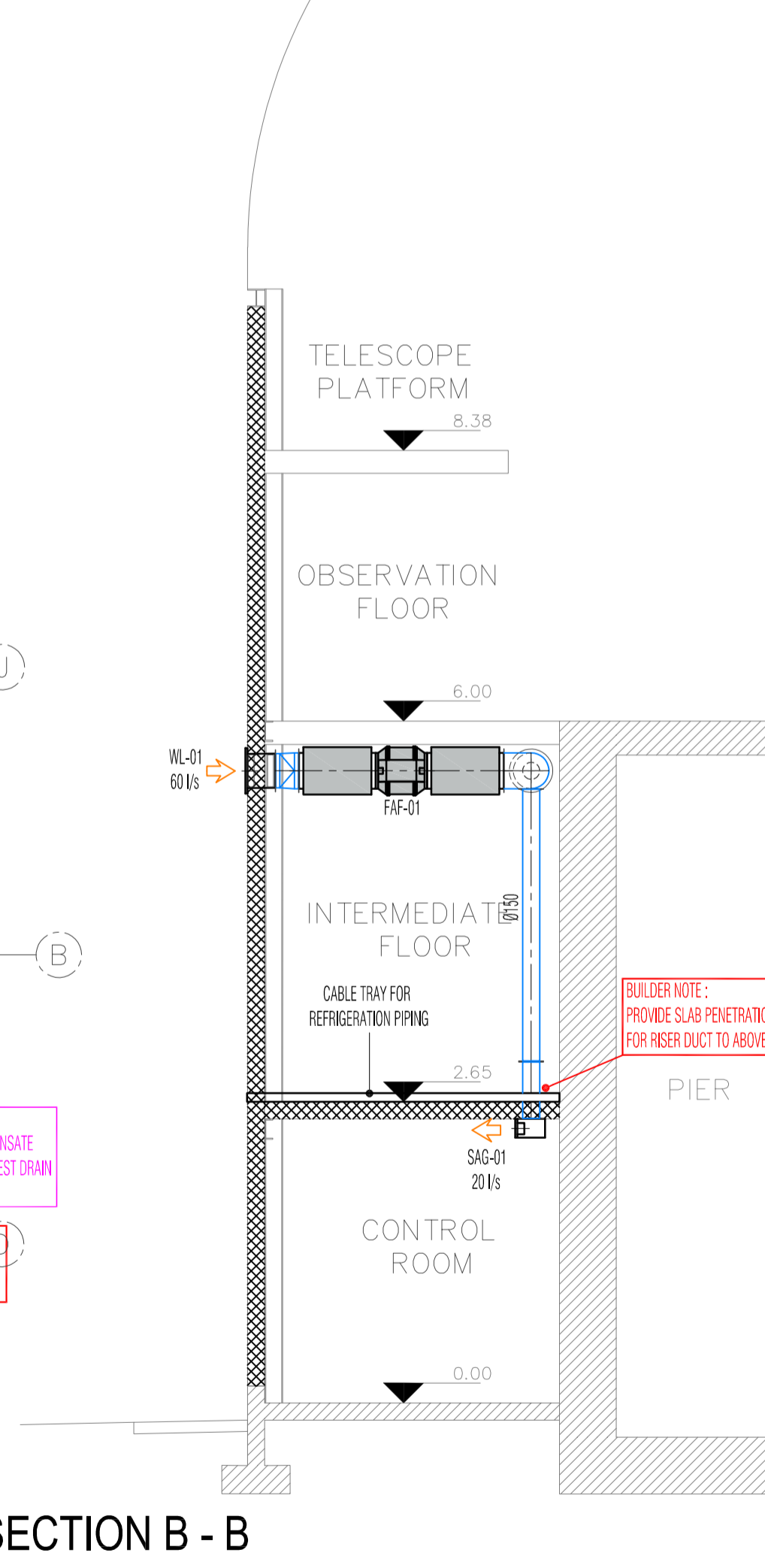
SECTION B - B
scale : 1:50

GENERAL NOTES :

- BEFORE ERECTION WORK BEGINS, A/C CONTRACTOR MUST VISIT SITE FOR FINAL DESIGN MEASUREMENTS.
 - ALL BUILDING ALTERATIONS BY MAIN CONTRACTOR.
 - ALL ELECTRICAL WORK BY ELECTRICAL CONTRACTOR.
 - ALL SMOKE FAN DUCTING TO COMPLY WITH BS EN 12101 RELEVANT PARTS.
 - FIRE DAMPERS ARE TO BE RATED 60min IN ACCORDANCE SANS 10193.
 - SMOKE FAN CONTROL PANEL AND WIRING FROM PANEL TO FANS BY ELECTRICAL CONTRACTOR.
 - CABLING TO BE INSTALLED IN GALVANISED STEEL CABLE TRAYS.
- Ø25mm CONDENSATE DRAIN POINT TO BE PROVIDED BY PLUMBER. DRAIN POINT TO BE WITHIN 1m OF UNIT.
 - 220V/50 ISOLATOR SUPPLIED BY ELECTRICAL CONTRACTOR
 - 380V/50 ISOLATOR SUPPLIED BY ELECTRICAL CONTRACTOR
 - WEATHERPROOF 220V/50 ISOLATOR SUPPLIED BY ELECTRICAL CONTRACTOR
 - WEATHERPROOF 380V/50 ISOLATOR SUPPLIED BY ELECTRICAL CONTRACTOR
 - DOORS TO BE UNDERCUT BY 25mm MIN TO ALLOW FREE AIR FLOW.
 - A/C UNIT WALL MOUNTED CONTROLLER.
 - 600x600 ACCESS PANEL.
 - CONDUIT IN DRYWALL / WALL FOR CONTROLLER / THERMOSTAT EXACT POSITION TO BE FINALISED BY A/C CONTRACTOR



Mechanical Ventilation Design Specifications: SANS 10400-O: 2011

Space	Min occupancy to SANS 10400-O	Room area (m²)	Ceiling height	Room volume (m³)	Requirement based on SANS 10400-O						Design	
					ACR/H	Calculated l/s from ACR	Amount of people	l/s per person	Min l/s (based on amount of people)	l/s	Supply / Extract	
CONTROL ROOM	Occupancy class G1: 1 per person per 15m²	23	2.5	57.5	2	32	6	7.5	45	60	Supply	
BATHROOM	Bathrooms @ 20 ACH and 20 l/s/fitting	4	2.5	10	20	56	1	20	20	60	Extract	
											60	Total Supply
											60	Total Extract



SECTION INTERMEDIATE FLOOR
scale : 1:25

FOR TENDER
22/07/2019

Amendment					Notes		CONSULTING ENGINEERS		Designed	E.S.		Client	Project	Drawing description	1 : 50 (A1)				
No.	Date	Checked	Done by	Description	©		The Vineyard Office Estate Belville 7530 Tel: +27 (0)21 913 0616 Fax: +27 (0)21 913 0619 e-mail: sams@seas.co.za	Drawn	D.Z.	CONSULTING ENGINEER		Date	22/07/2019	SUTHERLAND OBSERVATORY	PRIME BUILDING	GROUND & INTERMEDIATE LEVELS HVAC LAYOUT	Date	07-06-2019	
0	07-06-2019	E. SMIT	D.Z.	ORIGINAL ISSUE	COPYRIGHT IS VESTED IN THIS DOCUMENT AND NO USE, DUPLICATION OR REPRODUCTION THEREOF MAY OCCUR WITHOUT THE WRITTEN CONSENT OF THE AUTHOR.													Drawing number	403-DWG-HVAC-01
1	15-07-2019	E. SMIT	D.Z.	REVISED ARCHITECTURE														REV	1
2																			
3																			