



BUILDING CAN BE LARGER OR SMALLER.
THE SMOKE CONTROL ZONES JUST
INCREASE AND SAME PRINCIPLES APPLY.

SPECIFICATION AND INSTALLATION NOTES:

THE ELECTRICAL CONTRACTOR SHALL PROVIDE A SUITABLE SMOKE CONTROL SYSTEM FOR THE COMMON AREAS OF EACH BLOCK. THE SYSTEM SHALL HAVE SUITABLE SMOKE DETECTORS CONNECTED TO A MULTI-ZONE CENTRAL PANEL LOCATED IN GROUND FLOOR RISER WITH A REPEATER PANEL ON THE GROUND FLOOR MAIN ENTRANCE. THE PANEL IS TO BE FIXED IN ACCORDANCE WITH THE LOCAL FIRE PREVENTION OFFICERS REQUIREMENTS. THE DETECTORS ON EACH FLOOR SHALL SHOW AN INDICATION ON THE SMOKE CONTROL PANEL AS TO THE LOCATION OF THE FIRE AS INDICATED ON THE TENDER DRAWINGS.

THE SMOKE DETECTORS SHALL BE OF THE TYPE WHICH CAN BE LOCKED ON TO THE FIXING BASE.

A SYSTEM OF A.O.V. OPENER SHALL BE PROVIDED WITH A SMOKE DETECTOR FOR EACH FLOOR WIRED SEPARATELY BACK TO THE SMOKE CONTROL PANEL, SO THAT IN THE EVENT OF A FIRE THE SAID SMOKE DETECTOR GOING INTO "ALARM" SHALL ONLY OPEN THE LOUVRE/DOOR IN THE LOCALITY OF THE DETECTION. NOT ALL LOUVRES/DOORS WILL OPEN.

BATTERY STAND BY POWER SHALL BE PROVIDED TO THE A.O.V. SYSTEM. ON ALL STAIRCASES THERE SHALL BE INSTALLED AN OPENING VENT AT THE TOP OF THE STAIR CASE OPERATED BY A FIREMAN'S SWITCH ADJACENT TO THE MAIN ENTRANCE DOORS TO THE BLOCKS. THE ELECTRICAL SUB-CONTRACTOR SHALL PROVIDE ALL NECESSARY MOTORS/TRANSFORMERS AND WIRING REQUIRED TO OPERATE A.O.V'S AND STAIR CASE OPENING VENTS.

ALL DRAWINGS REGARDING THE SMOKE CONTROL SYSTEM SHALL BE SUBMITTED TO THE FIRE PREVENTION OFFICER BEFORE COMMENCING WITH THE INSTALLATION.

CABLING OF ZONES AND BELL CIRCUITS SHALL BE UNDERTAKEN USING MICC/CWZ SHEATHED "RED" CABLE CLIPPED AND FIXED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND GOOD WORKING PRACTICE.

MICC/CWZ CABLES:
NEATLY AND CAREFULLY DRESS CABLE INTO POSITION USING TOOLS RECOMMENDED BY CABLE MANUFACTURER. AVOID CORRUGATING SHEATH WHEN BENDING AND CONNECT TO EQUIPMENT AND BOXES WITH PVC SHROUDED GLANDS.

FIX CABLES WITH CLIPS RECOMMENDED BY MANUFACTURER ENSURING THAT CABLE IS FIXED WITHIN OF 150MM BENDS AND CONNECTIONS.

AS SOON AS A LENGTH OF CABLE HAS BEEN INSTALLED, FIT PERMANENT SEALS AND IMMEDIATELY CARRY OUT AN INSULATION TEST BETWEEN CONDUCTORS OR BETWEEN ANY CONDUCTOR AND CABLE SHEATH. REPEAT TEST BETWEEN 24 AND 48 HOURS LATER. ONLY INFINITY READINGS WILL BE ACCEPTED. REPLACE ANY CABLE WHICH FAILS AND REPEAT TESTS.

SYMBOL	DESCRIPTION
	SMOKE DETECTOR (SD)
	EMERGENCY BREAK GLASS SWITCH "OPEN OR CLOSE"
	EMERGENCY BREAK GLASS SWITCH "OPEN"
	MOTORISED DOOR OPENING 24 VOLT - DC
	MOTORISED WINDOW OPENER 24 VOLT - DC
	DISPLAY REPEATER - SHOWING SYSTEM STATUS
	SMOKE CONTROL PANEL WITH BATTERY BACKUP
	FUSED SPUR
AOV	AUTOMATIC OPENING VENT
POV	POWERED OPENING VENT

INSTALLATION:

SHALL BE IN ACCORDANCE WITH APPROVED DOCUMENT B AND THE GUIDANCE NOTES BY BRE REPORT No. 79204

CABLES:

ALL CABLES SHALL BE MICC OR CWZ.

WINDOW OR DOOR OPENERS SHALL BE DETERMINED BY THE SPECIALIST SUPPLY COMPANY WITH INFORMATION ON THE TYPE OF DOOR OR WINDOW TO BE OPENED, PROVIDED BY THE ARCHITECT.

SPECIALIST SUPPLIER THE EQUIPMENT AND COMMISSIONING SHALL BE

SPECIALIST:-
-SE CONTROLS
01543415750

P1	18.02.10	PRELIMINARY ISSUE FOR COMMENT	AJ	ED	
rev	date	description	drawn	checked	
Drawn by: AJ		Checked: ED	Date: 17.02.10	Scale: NTS@A3	
preliminary information	<input checked="" type="checkbox"/>	comment/approval	<input type="checkbox"/>	construction tender	<input type="checkbox"/>
 WHITECODE DESIGN ASSOCIATES Highfield House, 2 West Hill Dartford, Kent, DA1 2EW design@whitecode.co.uk TEL: 01322 289977 FAX: 01322 289988					
Title: TYPICAL BLOCK POV SCHEMATIC					
Project: HARLOW GATEWAY PARCEL C2					
Client: BARRATT NORTH LONDON					
Drawing Number: 9466-124-D4E-2306					