



**FIRE ESCAPE STRATEGY**

THE FIRE ESCAPE STRATEGY HAS BEEN DESIGNED USING THE PRINCIPLES LAID DOWN IN PART B OF THE BUILDING REGULATIONS.

FIRE ESCAPE DISTANCES HAVE BEEN CALCULATED ON THE FOLLOWING BASIS: –

RISK CLASS FOR SOUTHERN AREA OF BUILDING TO BE A1 AS STATED IN CLAUSE 6 OF BS9999. FIRE SUPPRESSION SYSTEM PROVIDED ALLOWING FOR MAXIMUM FIRE DISTANCE TO BE 90m (BS9999 TABLE 17.)

RISK CLASS IN NORTHERN AREA OF BUILDING TO BE CLASS A2 DUE TO HIGHLY COMBUSTIBLE MATERIALS. MAXIMUM ALLOWABLE ESCAPE DISTANCE TO BE 60m.

**FIRE EXIT, ETC. SIGNAGE**

ALL FIRE EXIT, ETC. SIGNAGE TO BE PHOTOLUMINESCENT TYPE AS MANUFACTURED BY JALITE OR EQUAL AND APPROVED. MATERIAL TO BE RIGID PVC SECURELY BONDED TO SURFACES WITH CONSTRUCTION ADHESIVE OR SCREWED WITH 4 x No. SCREWS IN EACH CORNER OF SIGN. IN PRODUCTION AREAS ALLOW FOR ANY REMEDIAL SILICONE SEALING TO AVOID BUG TRAPS.

FIRE EXIT SIGNAGE TO BE ILLUMINATED TO BS: 5266.

ALL SIGNAGE TO BE SUPPLIED AND INSTALLED BY MAIN CONTRACTOR.

**KEY TO SYMBOLS**

41m GRAPHIC REPRESENTATION OF DIRECTION OF ESCAPE ROUTE AND DISTANCE TO FINAL EXIT OR 2 HOUR FIRE WALL IN METRES

DIRECTIONAL EXIT SIGNS TO BE SIZED AS FOLLOWS: –

120 x 340mm FOR VIEWING DISTANCES UP TO 17m  
150 x 400mm FOR VIEWING DISTANCES UP TO 22m  
200 x 450mm FOR VIEWING DISTANCES UP TO 30m

- DE**
- EXIT TYPE 1 STRAIGHT ON
  - EXIT TYPE 2 RIGHT
  - EXIT TYPE 3 DIRECTIONAL FIRE EXIT SIGN
  - EXIT TYPE 4 RIGHT AND UP
  - EXIT TYPE 5 LEFT
  - EXIT TYPE 6 LEFT AND UP
  - EXIT TYPE 7 LEFT AND DOWN
  - EXIT TYPE 8 DOWN

**EE** 3 Hr EMERGENCY EXIT BULKHEAD FITTING COMPLETE WITH GREEN INDICATION ARROW / RUNNING MAN LOGO BY ELECTRICAL SUBCONTRACTOR

**FH** APPROXIMATE POSITION OF EXISTING FIRE HYDRANT

FIRE SAFETY INSTRUCTION SIGNS TO BE SIZED AS FOLLOWS: –

80mm DIA FOR VIEWING DISTANCES UP TO 1m  
100 x 100mm FOR VIEWING DISTANCES UP TO 1m  
150 x 150mm FOR VIEWING DISTANCES UP TO 1.5m  
200 x 200mm FOR VIEWING DISTANCES UP TO 3m

- WATER FIRE EXTINGUISHER, WALL MOUNTED 1000mm AFFL
- CARBON DIOXIDE FIRE EXTINGUISHER, WALL MOUNTED 1000mm AFFL
- DRY POWDER FIRE EXTINGUISHER, WALL MOUNTED 1000mm AFFL
- FOAM FIRE EXTINGUISHER, WALL MOUNTED 1000mm AFFL
- PEDESTRIAN ROUTES

- FD** FIRE DOOR KEEP SHUT SIGN TO BOTH SIDES OF THE DOOR
- KC** FIRE EXIT KEEP CLEAR SIGN

**FIRE FIGHTING EQUIPMENT**

FIRE EXTINGUISHERS TO COMPLY WITH REQUIREMENTS OF BS: 7863 FOR COLOUR CODING OF TYPES.

FIRE BLANKETS TO COMPLY WITH REQUIREMENTS OF BS: 7944, OR BS: 6575 FOR DOMESTIC USE ONLY.

SPECIFICATION, SELECTION, INSTALLATION AND MAINTENANCE OF PORTABLE FIRE EXTINGUISHERS TO COMPLY WITH REQUIREMENTS OF BS: 5306.

**ATKINS**

Project No: 5098970 Office: NCO109 Rev: 04 THIS IS A CAD DRAWING – HAND AMENDMENTS SHOULD BE CARRIED OUT IN ACCORDANCE WITH Q.A. PROCEDURES

04	BUILDING LAYOUT REVISED FOLLOWING REMOVAL OF GANTRY CRANE	SM	02/08/11	MH	SB
03	REVISED RED LINE BOUNDARY	SM	25/07/11	MH	SB
01	FIRE STRATEGY REVISED FOLLOWING BUILDING MODIFICATIONS	SM	08/04/11	MH	RA
Rev	Modifications	By	Date	Chk'd	Auth
CFT 3		04	24/08/11	SB	
PLANNING		03	25/07/11	SB	
CFT 2 SUBMISSION JUNE 2011		02	01/06/11	RA	
CFT SUBMISSION		01	08/04/11	RA	
Purpose of issue	Rev	Date			Authorised

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Project  
MWDA RESOURCE RECOVERY CONTRACT

Title  
KNOWSLEY, MERSEYSIDE  
TRANSFER LOADING STATION  
FIRE STRATEGY

Original Size:	Scale:	Designed:	Drawn:	Checked:	Authorised:
A1	1:500	SM	SM	MH	RA
Project No:	Office:	Drawn No:	Rev:		
5098970	NCO	109	04		