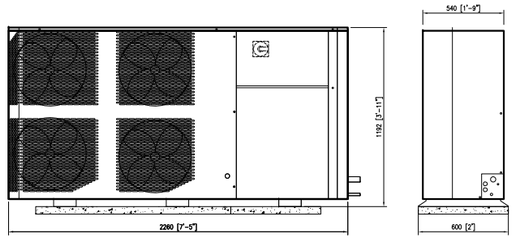


ELEVATION OF N2DQ60-3MX-D @1:20



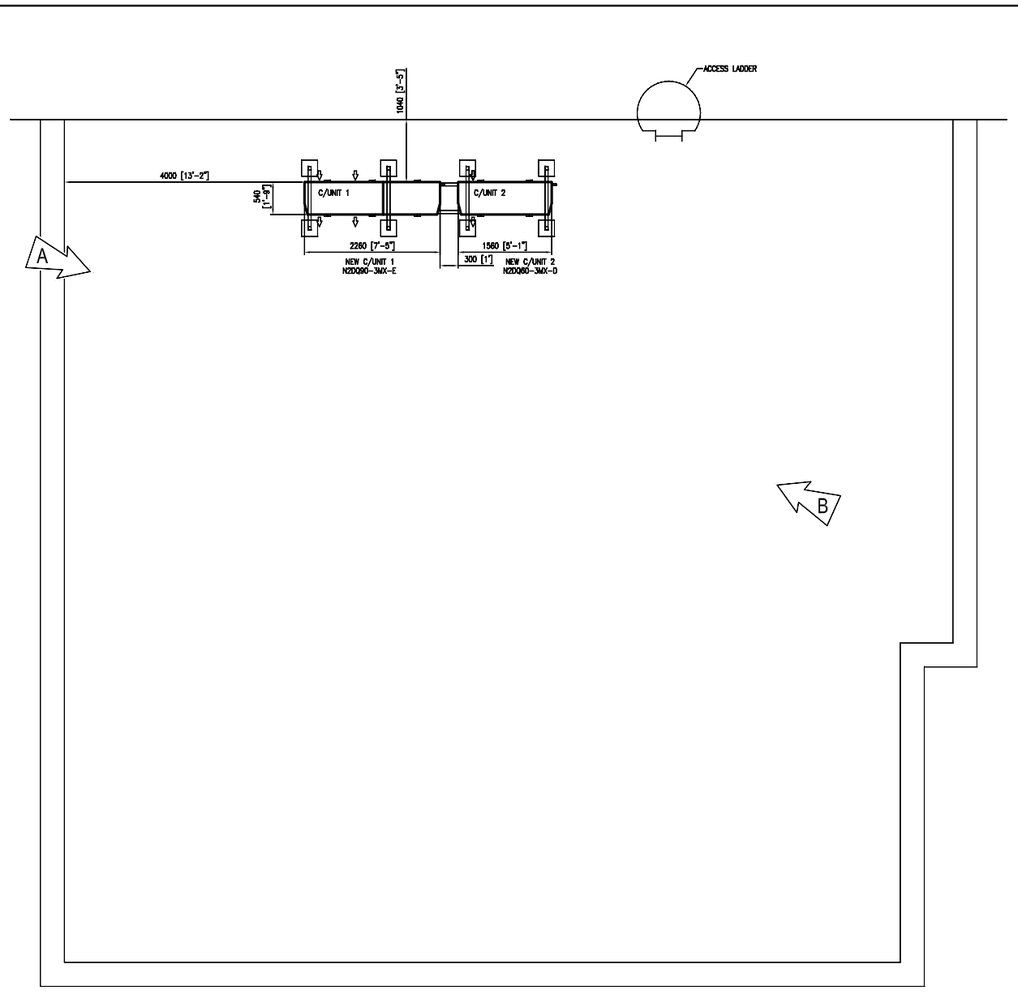
ELEVATION OF N2DQ90-3MX-E @ 1:20

NEW PLANT REQUIRED

PLANT REFERENCE	LOCATION	MANUFACTURER	UNIT TYPE	MODEL	OVERALL DIMENSIONS WIDTH (mm)	LENGTH (mm)	HEIGHT (mm)	PED CATEGORY	REFRIGERANT	OVERALL WET WEIGHT (kg)	CONDITION	SOUND PRESSURE LEVELS, dB @ 10m 63Hz	125Hz	250Hz	500Hz	1k Hz	2k Hz	4k Hz	8k Hz	NOISE LEVEL @ 10m dB(A)
C-UNIT 1	ROOF	SEARLE	CONDENSING UNIT	N2DQ90-3MX-E	600.0	2260.0	1192.0	2	R407A	295	A	48.9	40.9	33.9	38.9	36.9	31.9	26.9	26.9	45 / 41
C-UNIT 2	ROOF	SEARLE	CONDENSING UNIT	N2DQ60-3MX-D	600.0	1560.0	1192.0	2	R407A	240		44	36	28	30	33	34	23	20	42 / 38

PLANT SUMMARY NOTES

- CONDITION A=MAXIMUM PLANT OPERATING CONDITIONS DURING TRADING (ALL COMPRESSORS AND FANS IN OPERATION)
- NOISE LEVELS ON SITE MAY VARY FROM FIGURES GIVEN DUE TO ACOUSTIC CHARACTERISTICS OF THE INSTALLATION



ROOF LEVEL



PHOTO A



PHOTO B

GENERIC RISK ASSESSMENT

Activity, Design, Feature,Process, Material Spec.	Hazard (s)	Information from the Designer to the Planning Supervisor
Plant installation. Evaporator installation. Condensing Unit installation.	Sceletor injuries cut, bruise or crush injuries. Electrocution	Hot works permit to be in place at all times. PPE to be worn at all times. CO_2 Fire extinguishers to be supplied. Correct regulators to be used. Ensure all power disconnected. Crane lifting point to be cordoned off from public access. Lifting zone to be clear of personnel.
Plant charging	Skin irritation by contaminated fluids.	COSHH information to be submitted to Main Contractor Carriage of gas bottles.
Builderswork: Floor laying Bulkhead installation Ceiling works	Manual handling. Injuries Falls and falling objects	Site management to coordinate tasks to prevent trades crossing over into each others working areas at the same time.

NOTES

ORIGINAL A1

DO NOT SCALE FROM THIS DRAWING.
ALL DIMENSIONS TO BE CHECKED ON SITE.
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Risk Assessment:

For general refrigeration installation risk assessment please refer to Oaksmere's design risk assessment/action plan published to the BIW store specific site.

For Marks & Spencer – please refer to the site specific risk assessment table found on this drawing.

REV	DATE	DESCRIPTION	DRAWN	CHECKED
–	29.07.13	DRAWING PRODUCED FOR TENDER.	GW	CW

CLIENT

M&S

PROJECT

MARKS & SPENCER
MANCHESTER, ROYAL INFIRMARY
HOSPITAL

DRAWING

PROPOSED
ROOF LEVEL
PLANT LAYOUT

CONSULTANT

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STATUS	SCALE	DATE	DRAWN
TENDER	1:50	29.07.13	GW

DISCIPLINE	CONSULTANT No	DRAWING No	REV
REFRIGERATION	P13-0627	650	-