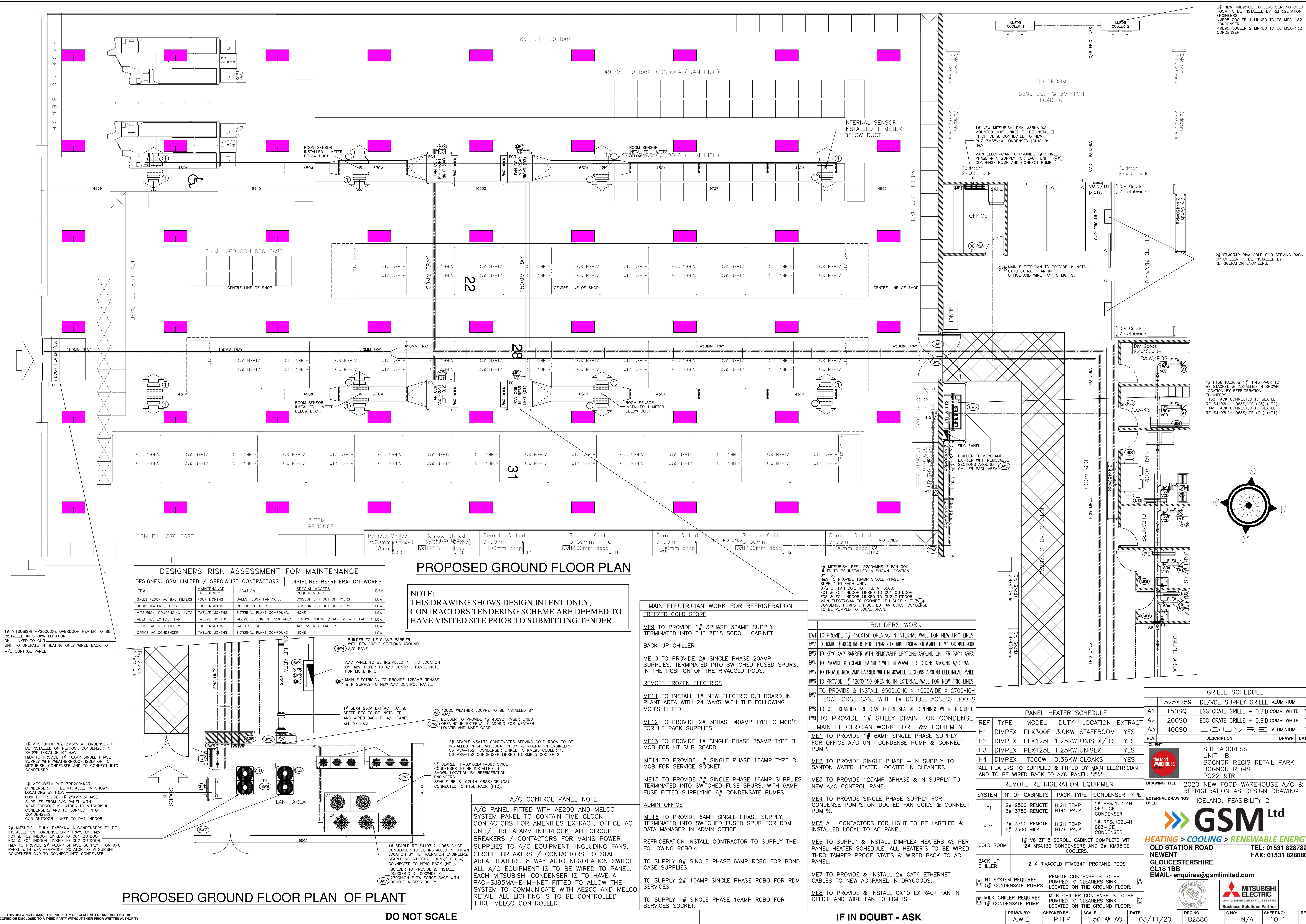




DESIGNERS RISK ASSESSMENT FOR MAINTENANCE			
DESIGNER: GSM LIMITED / SPECIALIST CONTRACTORS		DISCIPLINE: REFRIGERATION WORKS	
ITEM:	MAINTENANCE FREQUENCY	LOCATION:	SPECIAL ACCESS REQUIREMENTS
SALES FLOOR AC BAG FILTERS	FOUR MONTHS	SALES FLOOR FAN COILS	SCISSOR LIFT OUT OF HOURS
DOOR HEATER FILTERS	FOUR MONTHS	IN DOOR HEATER	SCISSOR LIFT OUT OF HOURS
MITSUBISHI CONDENSING UNITS	TWELVE MONTHS	EXTERNAL PLANT COMPOUND	NONE
AMENITIES EXTRACT FAN	TWELVE MONTHS	ABOVE CEILING / ACCESS WITH LADDER	NONE
OFFICE AC UNIT FILTERS	FOUR MONTHS	CASH OFFICE	ACCESS WITH LADDER
OFFICE AC CONDENSER	TWELVE MONTHS	EXTERNAL PLANT COMPOUND	NONE

PROPOSED GROUND FLOOR PLAN

NOTE: THIS DRAWING SHOWS DESIGN INTENT ONLY, CONTRACTORS TENDERING SCHEME ARE DEEMED TO HAVE VISITED SITE PRIOR TO SUBMITTING TENDER.

MAIN ELECTRICIAN WORK FOR REFRIGERATION FREEZER COLD STORE

ME9 TO PROVIDE 1# 3PHASE 32AMP SUPPLY, TERMINATED INTO THE ZF18 SCROLL CABINET.

BACK UP CHILLER

ME10 TO PROVIDE 2# SINGLE PHASE 20AMP SUPPLIES, TERMINATED INTO SWITCHED FUSED SPURS, IN THE POSITION OF THE RIVACOLD PODS.

REMOTE FROZEN ELECTRICS

ME11 TO INSTALL 1# NEW ELECTRIC D.B BOARD IN PLANT AREA WITH 24 WAYS WITH THE FOLLOWING MCB'S FITTED.

ME12 TO PROVIDE 2# 3PHASE 40AMP TYPE C MCB'S FOR HT PACK SUPPLIES.

ME13 TO PROVIDE 1# SINGLE PHASE 25AMP TYPE B MCB FOR HT SUB BOARD.

ME14 TO PROVIDE 1# SINGLE PHASE 16AMP TYPE B MCB FOR SERVICE SOCKET.

ME15 TO PROVIDE 3# SINGLE PHASE 16AMP SUPPLIES TERMINATED INTO SWITCHED FUSE SPURS, WITH 6AMP FUSE FITTED SUPPLYING 6# CONDENSATE PUMPS.

ADMIN OFFICE

ME16 TO PROVIDE 6AMP SINGLE PHASE SUPPLY, TERMINATED INTO SWITCHED FUSED SPUR FOR RDM DATA MANAGER IN ADMIN OFFICE.

REFRIGERATION INSTALL CONTRACTOR TO SUPPLY THE FOLLOWING RCBO'S

TO SUPPLY 9# SINGLE PHASE 6AMP RCBO FOR BOND CASE SUPPLIES.

TO SUPPLY 2# 10AMP SINGLE PHASE RCBO FOR RDM SERVICES

TO SUPPLY 1# SINGLE PHASE 16AMP RCBO FOR SERVICES SOCKET.

BUILDERS WORK

BW1 TO PROVIDE 1# 450X150 OPENING IN INTERNAL WALL FOR NEW FRIG LINES.

BW2 TO PROVIDE 1# 400X150 OPENING IN EXTERNAL CLADDING FOR WEATHER LOUVER AND MADE GOOD.

BW3 TO KEYCLAMP BARRIER WITH REMOVABLE SECTIONS AROUND CHILLER PACK AREA.

BW4 TO PROVIDE KEYCLAMP BARRIER WITH REMOVABLE SECTIONS AROUND A/C PANEL.

BW5 TO PROVIDE KEYCLAMP BARRIER WITH REMOVABLE SECTIONS AROUND ELECTRICAL PANEL.

BW6 TO PROVIDE 1# 1200X150 OPENING IN EXTERNAL WALL FOR NEW FRIG LINES.

BW7 TO PROVIDE & INSTALL 9500LONG X 4000WIDE X 2700HIGH FLOW FORGE CAGE WITH 1# DOUBLE ACCESS DOORS.

BW8 TO USE EXPANDED FIRE FOAM TO FIRE SEAL ALL OPENINGS WHERE REQUIRED.

BW9 TO PROVIDE 1# GULLY DRAIN FOR CONDENSE.

MAIN ELECTRICIAN WORK FOR H&V EQUIPMENT

ME1 TO PROVIDE 1# 6AMP SINGLE PHASE SUPPLY FOR OFFICE A/C UNIT CONDENSE PUMP & CONNECT PUMP.

ME2 TO PROVIDE SINGLE PHASE + N SUPPLY TO SANTON WATER HEATER LOCATED IN CLEANERS.

ME3 TO PROVIDE 125AMP 3PHASE & N SUPPLY TO NEW A/C CONTROL PANEL.

ME4 TO PROVIDE SINGLE PHASE SUPPLY FOR CONDENSE PUMPS ON DUCTED FAN COILS & CONNECT PUMPS.

ME5 ALL CONTACTORS FOR LIGHT TO BE LABELED & INSTALLED LOCAL TO AC PANEL.

ME6 TO SUPPLY & INSTALL DIMPLEX HEATERS AS PER PANEL HEATER SCHEDULE. ALL HEATER'S TO BE WIRED THRO TAMPER PROOF STAT'S & WIRED BACK TO AC PANEL.

ME7 TO PROVIDE & INSTALL 2# CAT6 ETHERNET CABLES TO NEW AC PANEL IN DRYGOODS.

ME8 TO PROVIDE & INSTALL CX10 EXTRACT FAN IN OFFICE AND WIRE FAN TO LIGHTS.

PANEL HEATER SCHEDULE

REF	TYPE	MODEL	DUTY	LOCATION	EXTRACT
H1	DIMPEX	PLX300E	3.0KW	STAFFROOM	YES
H2	DIMPEX	PLX125E	1.25KW	UNISEX/DIS	YES
H3	DIMPEX	PLX125E	1.25KW	UNISEX	YES
H4	DIMPEX	T360W	0.36KW	CLOAKS	YES

ALL HEATERS TO SUPPLIED & FITTED BY MAIN ELECTRICIAN AND TO BE WIRED BACK TO A/C PANEL.

REMOTE REFRIGERATION EQUIPMENT

SYSTEM	N° OF CABINETS	PACK TYPE	CONDENSER TYPE
HT1	2# 2500 REMOTE 3# 3750 REMOTE	HIGH TEMP HT45 PACK	1# RFSJ103L4H 063-ICE CONDENSER
HT2	3# 3750 REMOTE 1# 2500 MILK	HIGH TEMP HT38 PACK	1# RFSJ102L4H 063-ICE CONDENSER

COLD ROOM 1# V6 ZF18 SCROLL CABINET COMPLETE WITH 2# MSA132 CONDENSERS AND 2# KM95ICE COOLERS.

BACK UP CHILLER 2 X RIVACOLD FTM034P PROPANE PODS

HT SYSTEM REQUIRES 5# CONDENSATE PUMPS

MILK CHILLER REQUIRES 1# CONDENSATE PUMP

GRILLE SCHEDULE

1	525X259	DL/VCE SUPPLY GRILLE	ALUMINIUM	16
A1	150SQ	EGG CRATE GRILLE + O.B.D COMM WHITE		5
A2	200SQ	EGG CRATE GRILLE + O.B.D COMM WHITE		1
A3	400SQ	LOUVER	ALUMINIUM	1

SITE ADDRESS
UNIT 1B
BOGNOR REGIS RETAIL PARK
BOGNOR REGIS
PO22 9TR

DRAWING TITLE 2020 NEW FOOD WAREHOUSE A/C & REFRIGERATION AS DESIGN DRAWING

EXTERNAL DRAWINGS USED ICELAND: FEASIBILITY 2

GSM Ltd
HEATING > COOLING > RENEWABLE ENERGY
OLD STATION ROAD
NEWENT
GLOUCESTERSHIRE
GL18 1BB
EMAIL- enquires@gsmlimited.com

TELEPHONE: 01531 828782
FAX: 01531 828080

C NO: N/A SHEET NO: 10F1

PROPOSED GROUND FLOOR PLAN OF PLANT

DO NOT SCALE

IF IN DOUBT - ASK

DRAWN BY: A.W.E	CHECKED BY: P.H.P	SCALE: 1:50 @ AO	DATE: 03/11/20	DRG NO: B2880	C NO: N/A	SHEET NO: 10F1	REV
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