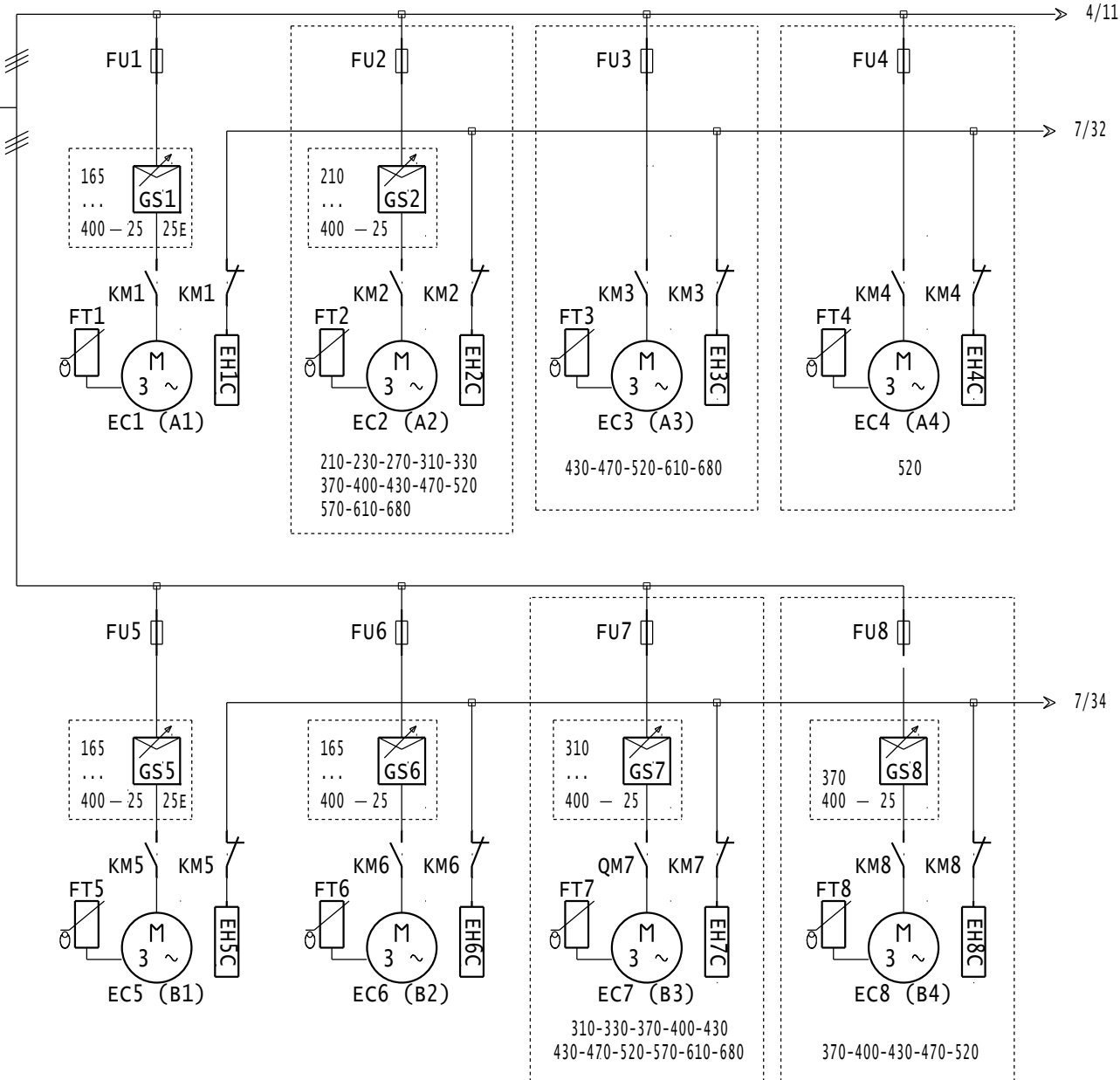
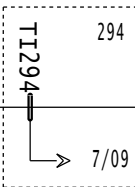


A1A-A2A	MODULE ENTREES/SORTIES	QFAC-QFBC	DISJONCTEUR CIRCUIT RECHAUFFEURS	SP90F	DETECTEUR DEBIT D'EAU POMPE EVAPORATEUR
A2	AFFICHEUR	QM11-QM62	DISJONCTEUR VENTILATEUR CONDENSEUR	ST100F	THERMOSTAT VENTILATION COFFRET
A11-A156	MODULE ENTREES/SORTIES	QM90-QM91-QM92	DISJONCTEUR PROTECTION POMPE A EAU EVAPORATEUR	ST116	THERMOSTAT COFFRET POMPE DEPORTE
A148	PASSERELLE CCN-JBUS / CCN-BACNET / CCN-LON	QS100	INTERRUPTEUR GENERAL	TC116	TRANSFORMATEUR CIRCUIT CONTROLE POMPE DEPORTEE
A159B	CONTROLEUR DE PHASES	RT1	SONDE DE TEMPERATURE SORTIE EAU EVAPORATEUR	TC	TRANSFORMATEUR CIRCUIT CONTROLE
A294	CONTROLEUR ENERGIE	RT2	SONDE DE TEMPERATURE ENTREE EAU EVAPORATEUR	TI294	TRANSFORMATEUR CIRCUIT CONTROLE OPTION
A295	MODULE REDEMERRAGE RAPIDE	RT10	SONDE DE TEMPERATURE AIR AMBIANT OU EXTERIEUR	VC1	MODULE ALIMENTATION 24VDC
A298A	MODEM 4G	RT11-RT12	SONDE DE TEMPERATURE DEGIVRAGE	YV41-YV42	VANNE INVERSION CYCLE
BP1	TRANSDUCTEUR DE PRESSION REFOULEMENT CIRCUIT A	RT31...RT32	SONDE DE TEMPERATURE ASPIRATION	XCCN	BORNIER CCN
BP2	TRANSDUCTEUR DE PRESSION REFOULEMENT CIRCUIT B	RT100	SONDE DE TEMPERATURE COMMUNE RETOUR EAU EVAPORATEUR	XS	PRISE DE COURANT
BP3	TRANSDUCTEUR DE PRESSION ASPIRATION CIRCUIT A	SP1F-SP5F	PRESSOSTAT HAUTE PRESSION DE SECURITE COMPRESSEUR		
BP4	TRANSDUCTEUR DE PRESSION ASPIRATION CIRCUIT B				
BP90.1-BP90.2	TRANSDUCTEUR POMPE EAU				
EC1-EC8	COMPRESSEUR	OPTIONS			
ED1-ED2	DETENDEUR ELECTRONIQUE				
EF101...EF101-5	VENTILATEUR COFFRET	6B	BASSE TEMPERATURE		
EF116	VENTILATEUR COFFRET DEPORTE POMPE	12	PRESSION DISPONIBLE		
EH1C...EH8C	RECHAUFFEUR COMPRESSEUR	17	MOTEUR EC		
EH1A...EH8A	RECHAUFFEUR COMPRESSEUR	25	DEMARRAGE A COURANT REDUIT		
EH40	RECHAUFFEUR BALLON TAMPON	25E	DEMARRAGE A COURANT REDUIT PREMIER COMPRESSEUR DU CIRCUIT		
EH41	RECHAUFFEUR EVAPORATEUR	28	DEMARRAGE HIVER		
EH90	RECHAUFFEUR TUYAUTERIE POMPE HYDRAULIQUE	41	RECHAUFFEUR D'EVAPORATEUR		
EH90B	RECHAUFFEUR CIRCUIT BALLON TAMPON	41C	PROTECTION ANTIGEL CONDENSEUR RECUPERATION DE CHALEUR		
EH141...146	RECHAUFFEUR SEMELLE BATTERIE CONDENSEUR	42A	RECHAUFFEUR D'EAU		
EP91-EP92	POMPE A EAU EVAPORATEUR	42B	RECHAUFFEUR MODULE HYDRAULIQUE & BALLON TAMPON		
EV11-EV62	VENTILATEUR CONDENSEUR	49	DESURCHAUFFEUR		
FT1...FT8	SONDE DE TEMPERATURE %MOTEUR COMPRESSEUR	58	SONDE COMMUNE EAU FROIDE		
FU1...FU8	PROTECTION CIRCUIT COMPRESSEURS	116R	POMPE SIMPLE HAUTE PRESSION		
FU11...FU22	FUSIBLE PROTECTION VENTILATEUR CONDENSEUR	116S	POMPE DOUBLE HAUTE PRESSION		
FU90...FU92	FUSIBLE PROTECTION POMPE EVAPORATEUR	116T	POMPE SIMPLE BASSE PRESSION		
FU	FUSIBLE DE PROTECTION VENTILATEUR COFFRET	116U	POMPE DOUBLE BASSE PRESSION		
FUA-FUA1	FUSIBLE DE PROTECTION CONTROLE ET RECHAUFFEURS CIRCUIT A	116V	POMPE SIMPLE BASSE PRESSION AVEC VARIATEUR DE FREQUENCE		
FUB-FUB1	FUSIBLE DE PROTECTION CONTROLE ET RECHAUFFEURS CIRCUIT B	116W	POMPE DOUBLE BASSE PRESSION AVEC VARIATEUR DE FREQUENCE		
FUAC-FUBC	FUSIBLE DE PROTECTION RECHAUFFEURS	119C	APPLICATION CHAUFFAGE AU SOL A HAUTE EFFICACITE ENERGETIQUE		
FUC	FUSIBLE PROTECTION MODEM 4G	148D	CARTE CCN / LON		
FUD	FUSIBLE PROTECTION OPTIONS	149	BACNET-IP		
GS1-GS8	DEMARREUR COMPRESSEUR	149B	MODBUS IP		
GS91-GS92	VARIATEUR DE VITESSE MOTEUR POMPE	156	MODULE GESTION ENERGIE		
GS11-GS22	VARIATEUR DE VITESSE MOTEUR VENTILATEUR CONDENSEUR	157D	SMART GRID		
K41	RELAIS COMMANDE RECHAUFFEUR EVAPORATEUR	159	DETECTEUR DE FUITE REFRIGERANT		
K141-K142	RELAIS COMMANDE RECHAUFFEUR SEMELLE CONDENSEUR	159B	CONTROLEUR PHASES		
KAC-KBC	RELAIS COMMANDE RECHAUFFEUR COMPRESSEURS	284	PRISE SERVICE 230V		
KM1-KM8	CONTACTEUR COMPRESSEUR	294	COMPTEUR ENERGIE		
KM11-KM62	CONTACTEUR VENTILATEUR	298A	MODEM 4G		
KM91-KM92	CONTACTEUR POMPE EVAPORATEUR	298B	MODEM 4G		
QF	DISJONCTEUR CIRCUIT CONTROLE	311	CONSIGNE AJUSTABLE PAR SIGNAL 4-20mA		
QF116-QF116A	DISJONCTEUR CIRCUIT CONTROLE PUMP ELECTRICAL BOX FAN	313	GESTION AERO FREE COOLING		
QF284A	DISJONCTEUR CIRCUIT PRISE AUXILIAIRE				

A1A-A2A	INPUT/OUTPUT MODULE	QFAC-QFBC	COMPRESSOR AND COIL HEATER CIRCUIT BREAKER	ST100F	ELECTRICAL BOX FAN THERMOSTAT
A2	DISPLAY	QM11...QM62	CONDENSER FAN CIRCUIT BREAKER	ST116	PUMP CONTROL BOX THERMOSTAT
A11-A156	INPUT/OUTPUT MODULE	QM90...QM92	EVAPORATOR WATER PUMP CIRCUIT BREAKER	TC	CONTROL CIRCUIT TRANSFORMER
A148	J-BUS / LON / BACNET BOARD	QS100	GENERAL DISCONNECT SWITCH	TC116	PUMP CONTROL CIRCUIT TRANSFORMER
A159B	PHASES CONTROLLER MODULE	RT1	EVAPORATOR LEAVING WATER TEMPERATURE SENSOR	TI294	TRANSFORMATEUR COURANT
A294	ENERGY METER MODULE	RT2	EVAPORATOR ENTERING WATER TEMPERATURE SENSOR	VC1	MODULE ALIMENTATION 24VDC
A295	FAST RESTART MODULE	RT10	AMBIENT OR OUTSIDE AIR TEMPERATURE SENSOR	YV41-YV42	CIRCUIT CYCLE REVERSAL VALVE
A298A	MODEM 4G	RT11-RT12	DEFROST AIR TEMPERATURE	XCCN	CCN TERMINAL
BP1	DISCHARGE PRESSURE TRANSDUCER, CIRCUIT A	RT31 - RT32	SUCTION TEMPERATURE SENSOR	XS	PLUG
BP2	DISCHARGE PRESSURE TRANSDUCER, CIRCUIT B	RT100	EVAPORATOR COMMON ENTERING WATER TEMPERATURE SENSOR (LEAD-LAG)		
BP3	SUCTION PRESSURE TRANSDUCER. CIRCUIT A	SP1F - SP5F	HIGH PRESSURE SAFETY SWITCH		
BP4	SUCTION PRESSURE TRANSDUCER. CIRCUIT B	SP90F	EVAPORATOR PUMP FLOW SWITCH		
BP90.1-BP90.2	WATER PUMP TRANSDUCER				
EC1 ... EC8	COMPRESSOR			QFC	DISJONCTEUR MODEM 4G
ED1-ED2	ELECTRONIC EXPANSION VALVE		OPTIONS	QFD	CIRCUIT BREAKER ENERGY METER + 3 PHASES CONTROLER
EF101.EF101-5	FAN ELECTRICAL BOX	6B	LOW BRINE		
EF116	PUMP FAN ELECTRICAL BOX	12	HIGH STATIC PRESSURE CONDENSER FANS		
EH1C...EH8C	COMPRESSOR HEATER	17	EC MOTOR		
EH1A...EH8A	COMPRESSOR HEATER	25	SOFT START		
EH40	BUFFER TANK HEATER	25E	SOFT START ONLY FIRST COMPRESSOR EACH CIRCUIT		
EH41	EVAPORATOR HEATER	28	WINTER START		CONTROL CONNECTIONS
EH90	EVAPORATOR WATER CIRCUIT HEATING ELEMENT	41	EVAPORATOR HEATER		1 ON/OFF SWITCH
EH90B	BUFFER TANK CIRCUIT HEATERS	41C	RECOVERY EXCHANGER FROST PROTECTION		2 SECOND SETPOINT SWITCH
EH141...EH146	COIL HEATER	42A	WATER HEATER		3 LIMIT SWITCH 1
EP91-EP92	WATER PUMP	42B	EXCHANGER & HYDRAULIC FROST PROTECTION		4 HEAT COLL SWITCH
EV11...EV62	CONDENSER FAN	49	DESUPERHEATER		5 ALARM RELAY
FT1...FT8	COMPRESSOR MOTOR TEMPERATURE SENSOR	58	DUPLEXING		6 RUNNING RELAY
FU1...FU8	COMPRESSOR CIRCUIT BREAKER	116R	HIGH PRESSURE HYDRONIC KIT WITH SINGLE PUMP		7 CUSTOMER INTERLOCK
FU11...FU22	FAN SAFETY FUSE	116S	HIGH PRESSURE HYDRONIC KIT WITH TWIN PUMP		8 EXTERNAL VARIABLE SPEED PUMP
FU90...FU92	EVAPORATOR WATER PUMP SAFETY FUSE	116T	LOW PRESSURE HYDRONIC KIT WITH SINGLE PUMP		9 SETPOINT RESET
FU	ELECTRICAL BOX FAN SAFETY FUSE	116U	LOW PRESSURE HYDRONIC KIT WITH TWIN PUMP		11 OCCUPANCY OVERRIDE SWITCH
FUA-FUA1	CONTROL AND HEATER SAFETY FUSE CIRCUIT A	116V	VFD HYDRONIC KIT WITH SINGLE PUMP		12 CAPACITY LIMIT SWITCH 2
FUB-FUB1	CONTROL AND HEATER SAFETY FUSE CIRCUIT B	116W	VFD HYDRONIC KIT WITH TWIN PUMP		13 CUSTOMER INTERLOCK
FUAC-FUBC	HEATER SAFETY FUSE	119C	HIGH ENERGY EFFICIENCY FLOOR HEATING APPLICATION		14 ICE DONE SWITCH
FUC	MODEM 4G FUE PROTECTION	148D	CCN TO LON GATEWAY		17 SPACE TEMPERATURE
FUD	OPTIONS FUSE PROTECTION	149	BACNET-IP GATEWAY		18 CAPACITY LIMIT CONTROL
GS1...GS8	SOFT START DEVICE, COMPRESSOR	149B	MODBUS IP		19 CHILLER CAPACITY RUNNING OUTPUT
GS91-GS92	PUMP MOTOR VARIABLE SPEED DRIVE	156	ENERGY MANAGEMENT MODULE		20 CHILLER IN ALERT
GS11-GS22	CONDENSER FAN MOTOR VARIABLE SPEED DRIVE	157D	SMART GRID		21 CHILLER TOTALY SHUTDOWN
K41	EVAPORATOR HEATER CONTROL RELAY	159	LEAK DETECTION SYSTEM		22 BOILER / ELECTRICAL HEAT STAGE 1
K141-K142	COIL HEATER CONTROL RELAY	159B	PHASES CONTROLLER		23 ELECTRICAL HEAT STAGE 2
KAC-KBC	COMPRESSOR HEATER CONTROL RELAY	284	ELECTRICAL SERVICE PLUG		24 ELECTRICAL HEAT STAGE 3
KM1...KM8	CONTACTOR, COMPRESSOR	294	ENERGY METER		25 ELECTRICAL HEAT STAGE 4
KM11...KM62	CONTACTOR, FAN	298A	4G MODEM		26 DESUPERHEATER DEMAND
KM91-KM92	EVAPORATOR PUMP CONTACTOR	298B	4G MODEM		27 CUSTOMER DESUPERHEATER PUMP
QF	CIRCUIT BREAKER, CONTROL CIRCUIT	311	SET POINT ADJUSTMENT BY 4-20ma SIGNAL		28 SMART GRID
QF116-QF116A	CIRCUIT BREAKER, PUMP ELECTRICAL BOX FAN	313	FREE COOLING DRY COOLER MANAGEMENT		
QF284A	CIRCUIT BREAKER, AUXILIARY CIRCUIT				

3 ~ 50Hz
(A-B)

Q5100



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SCHEMA SIMPLIFIE
SIMPLIFIED WIRING

30RQ 165...520-570-610-680

30RQP620(2X310)

30RQP660(2X330)

30RQP740(2X370)

30RQP800(2X400)

30RQP860(2X430)

30RQP940(2X470)

30RQP1040(2X520)

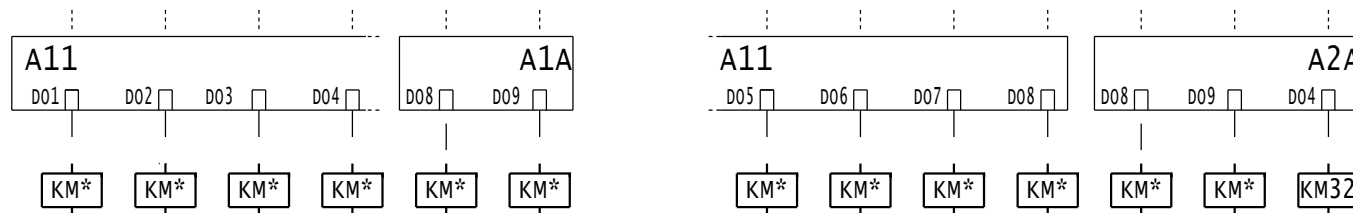
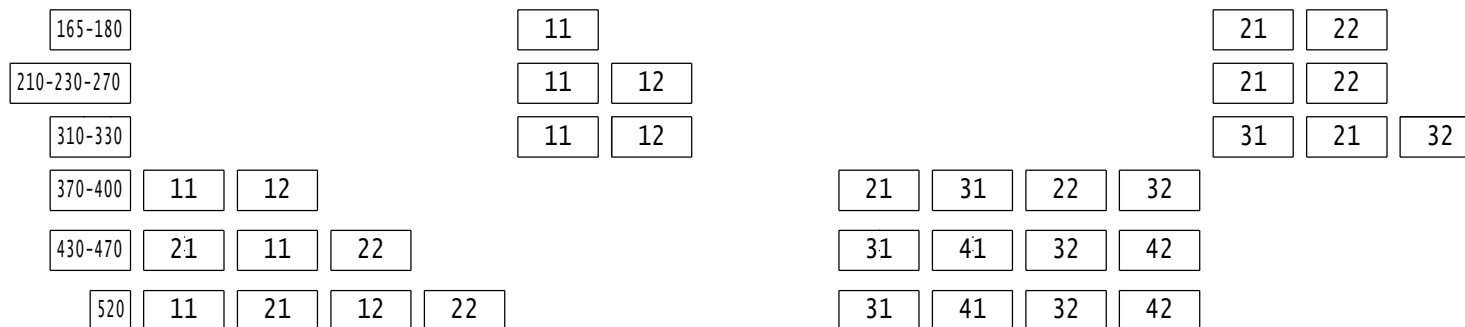
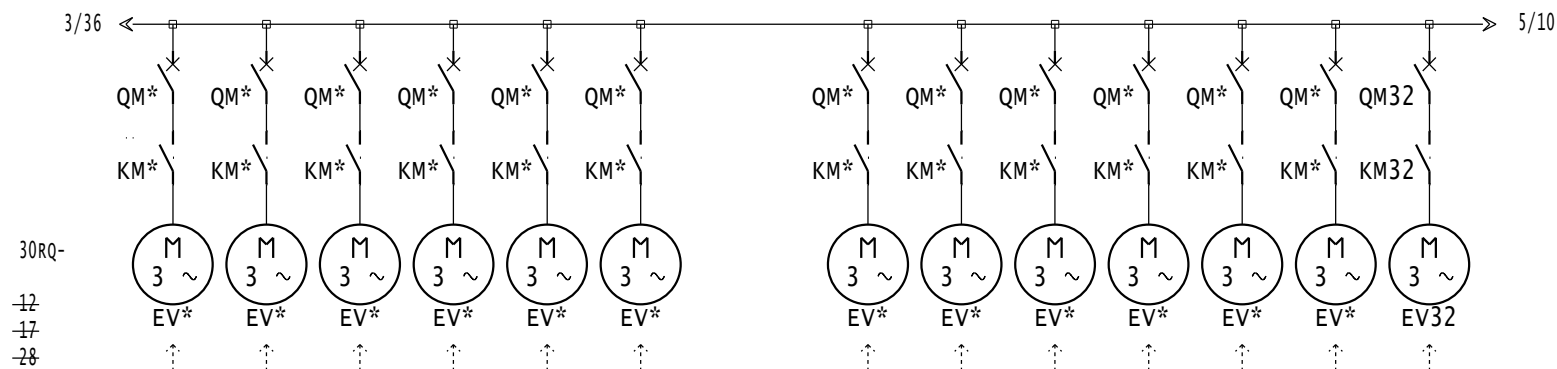


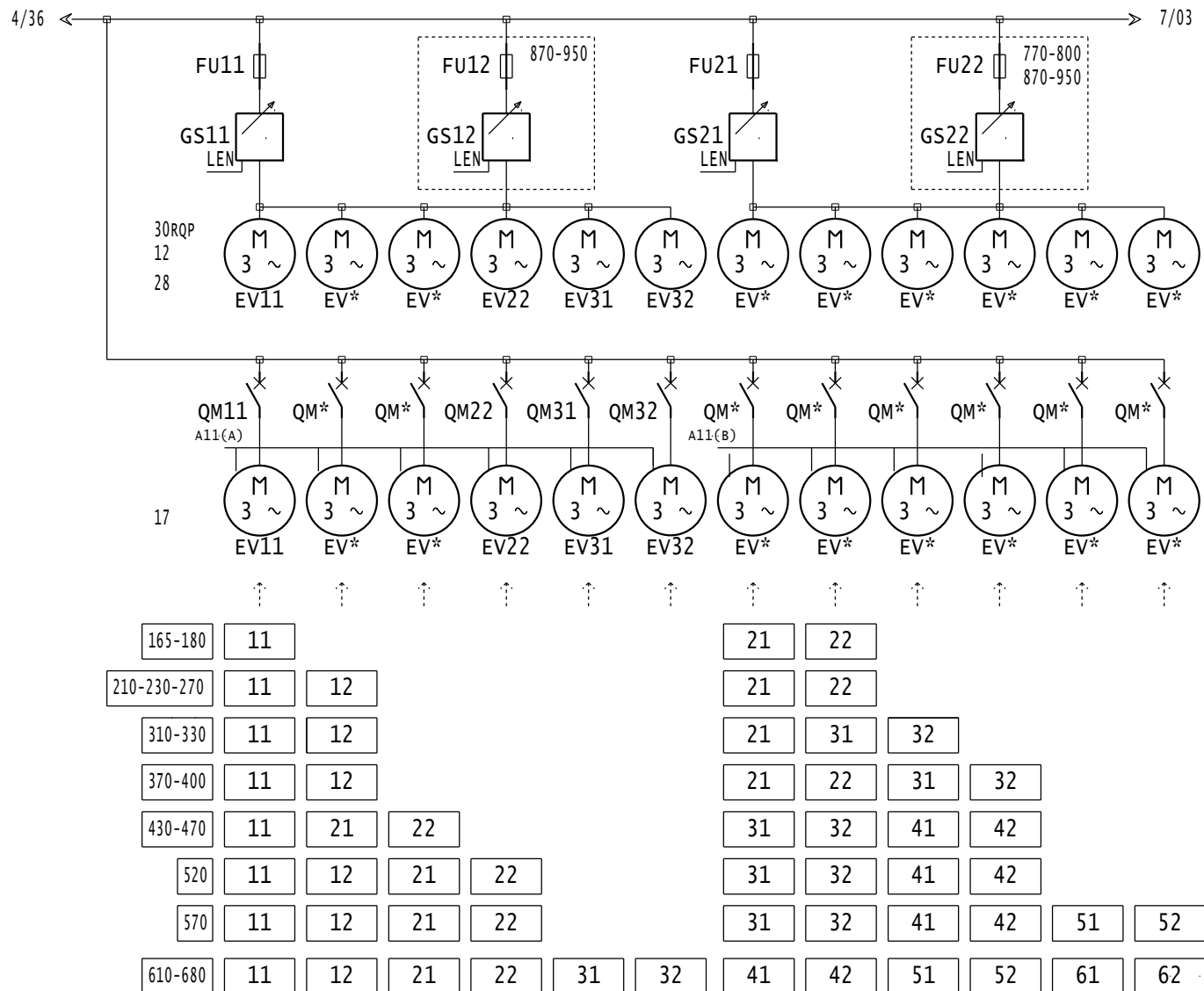
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SCHEMA SIMPLIFIE
SIMPLIFIED WIRIND

30RQ 165...520-570-610-680

30RQP620(2X310)
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30RQP860(2X430)
30RQP940(2X470)
30RQP1040(2X520)



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