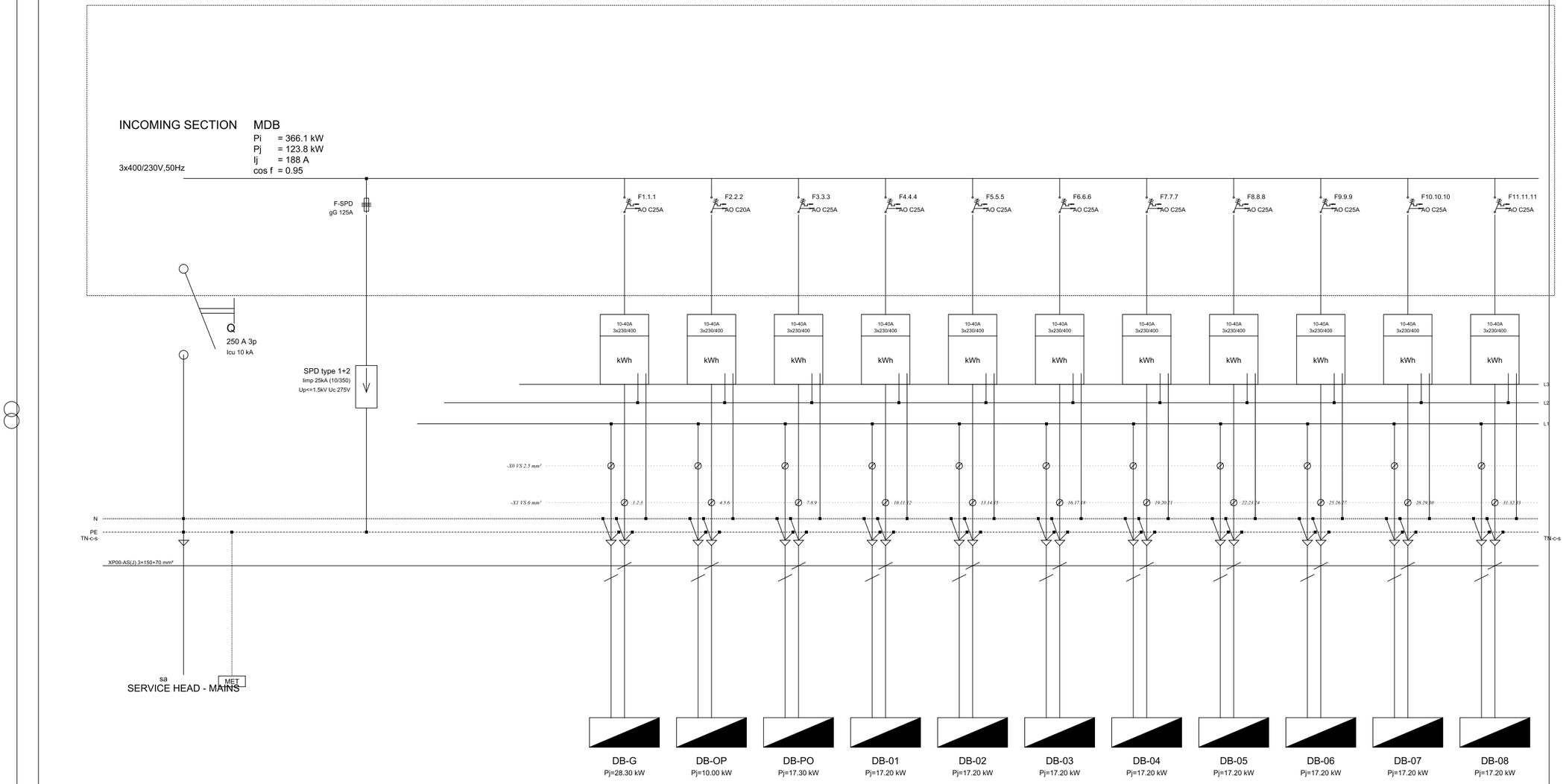
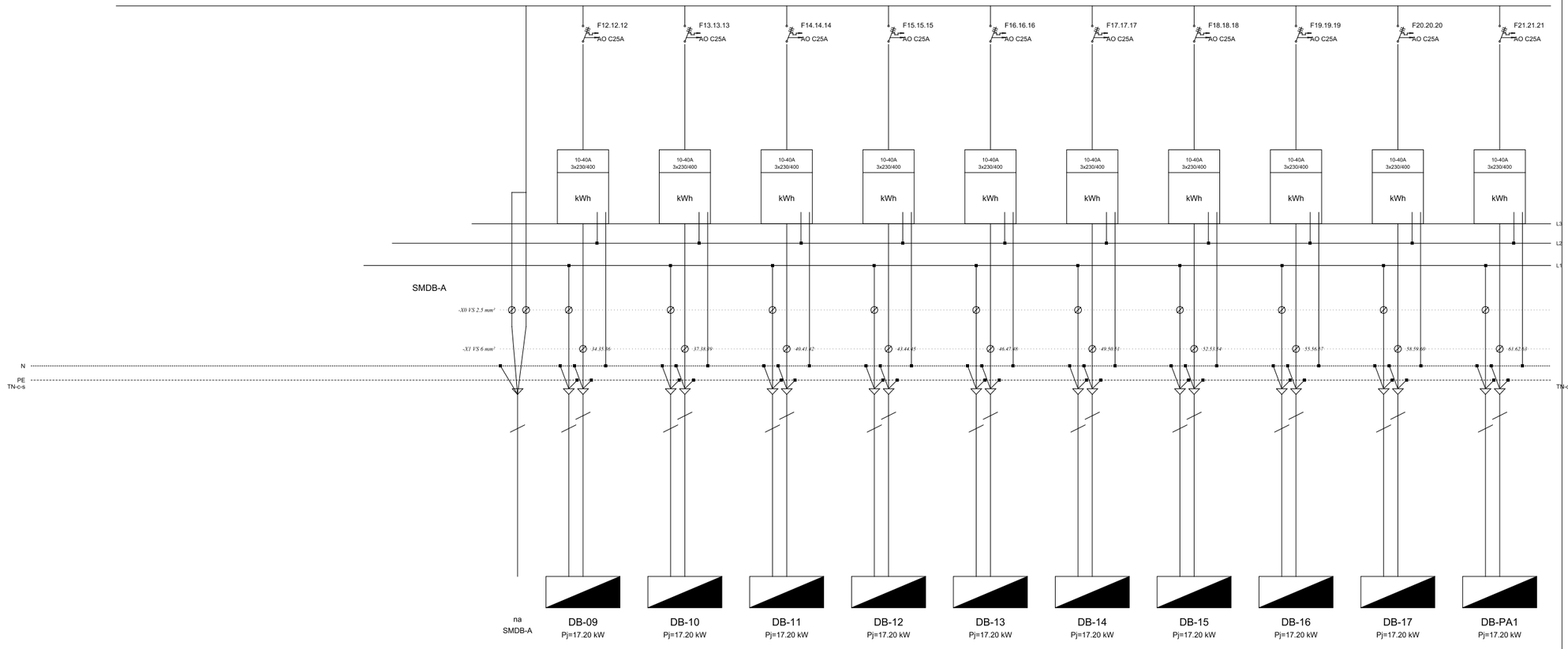
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15



INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN	DATE: 06.2026	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: SINGLE-LINE DIAGRAM OF BOARD MDB	DRAWING No.: 4.1	SHEETS: 2
	designer:						SHEET: 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15



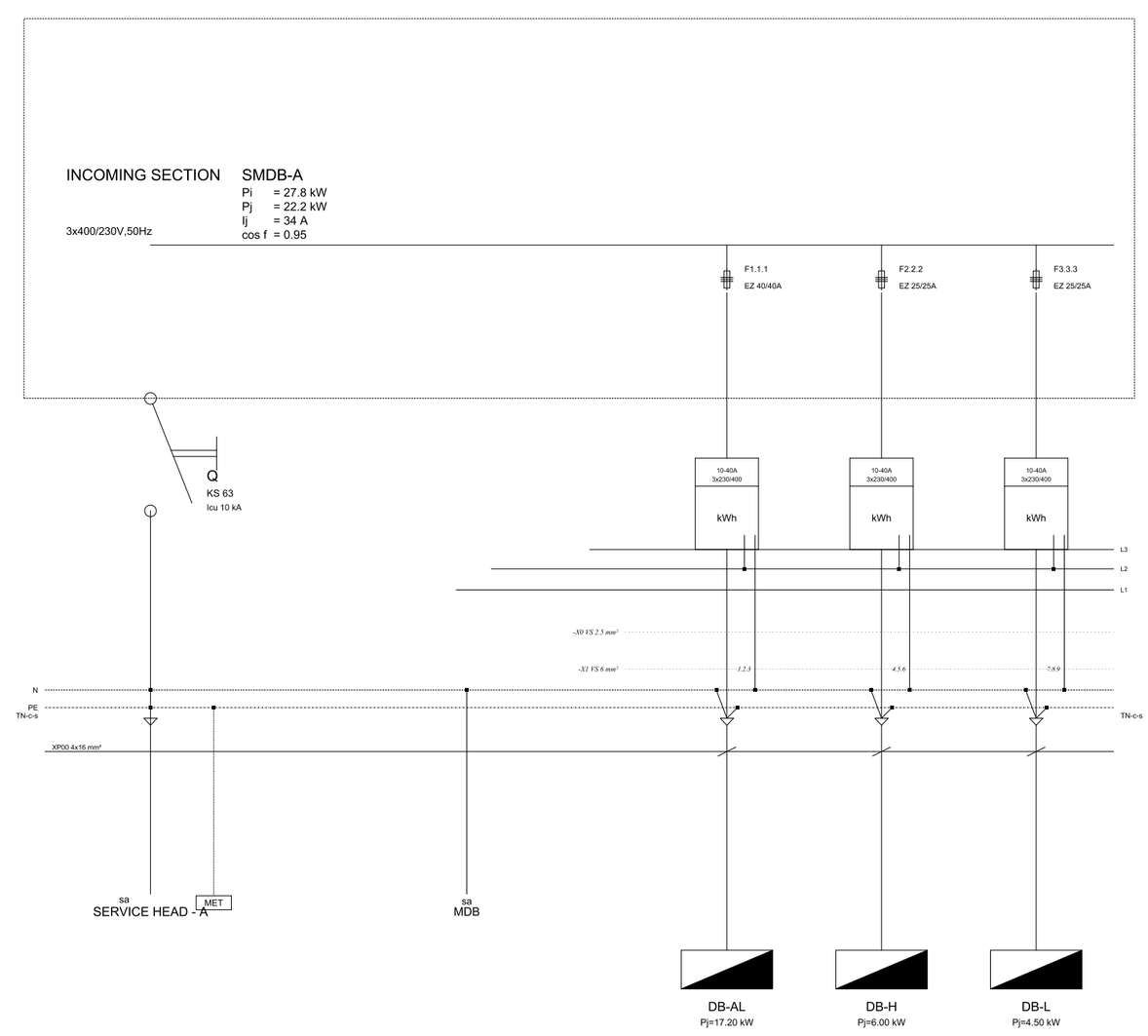
INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN	DATE: 06.2026	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: SINGLE-LINE DIAGRAM OF BOARD MDB	DRAWING No.: 4.1		SHEETS: 2
	designer:							SHEET: 2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

INCOMING SECTION SMDB-A

Pi = 27.8 kW
Pj = 22.2 kW
Ij = 34 A
cos f = 0.95

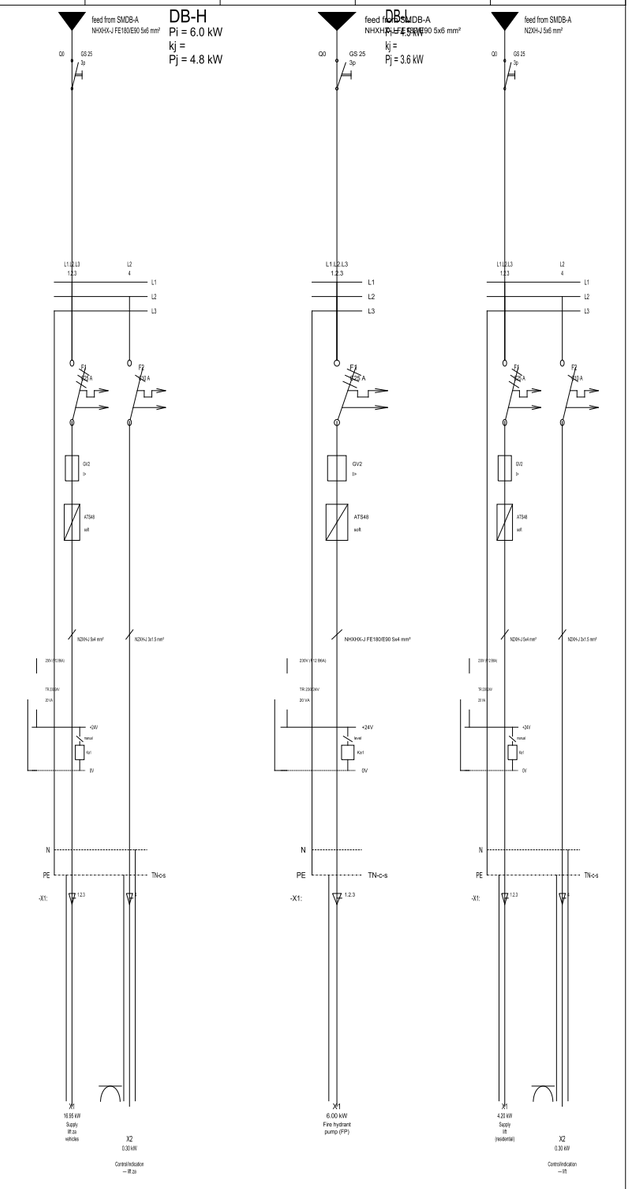
3x400/230V,50Hz



DB-AL
Pi = 17.2 kW
kj =
Pj = 13.8 kW

DB-H
Pi = 6.0 kW
kj =
Pj = 4.8 kW

DB-L
Pi = 4.5 kW
kj =
Pj = 3.6 kW

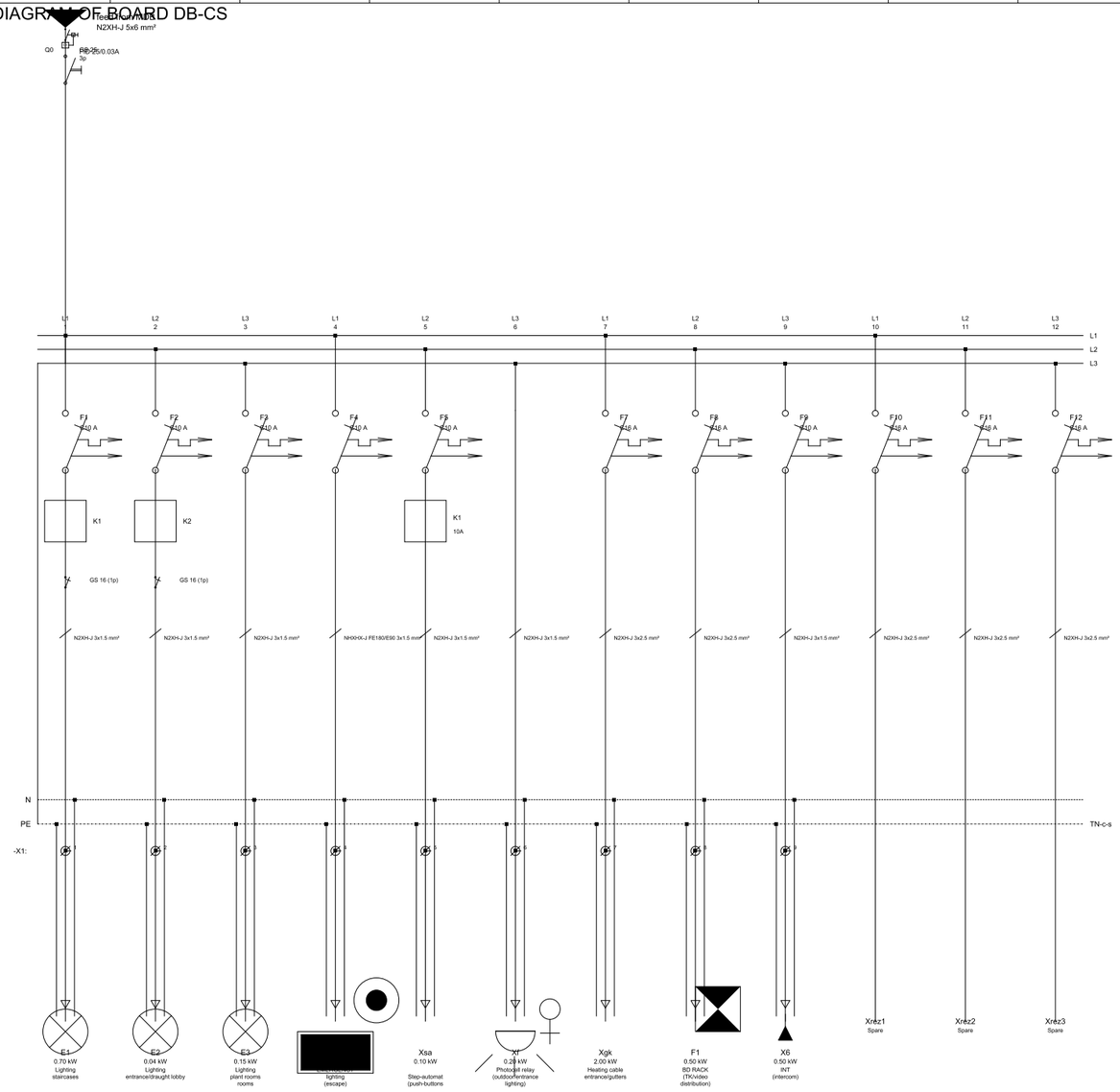


INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN	DATE: 06.2026	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: SINGLE-LINE DIAGRAM OF BOARD SMDB-A	DRAWING No.: 4.2		SHEETS: 1
	designer:							SHEET: 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

SINGLE-LINE DIAGRAM OF BOARD DB-CS

Pi = 4.4 kW
kj =
Pj = 3.5 kW

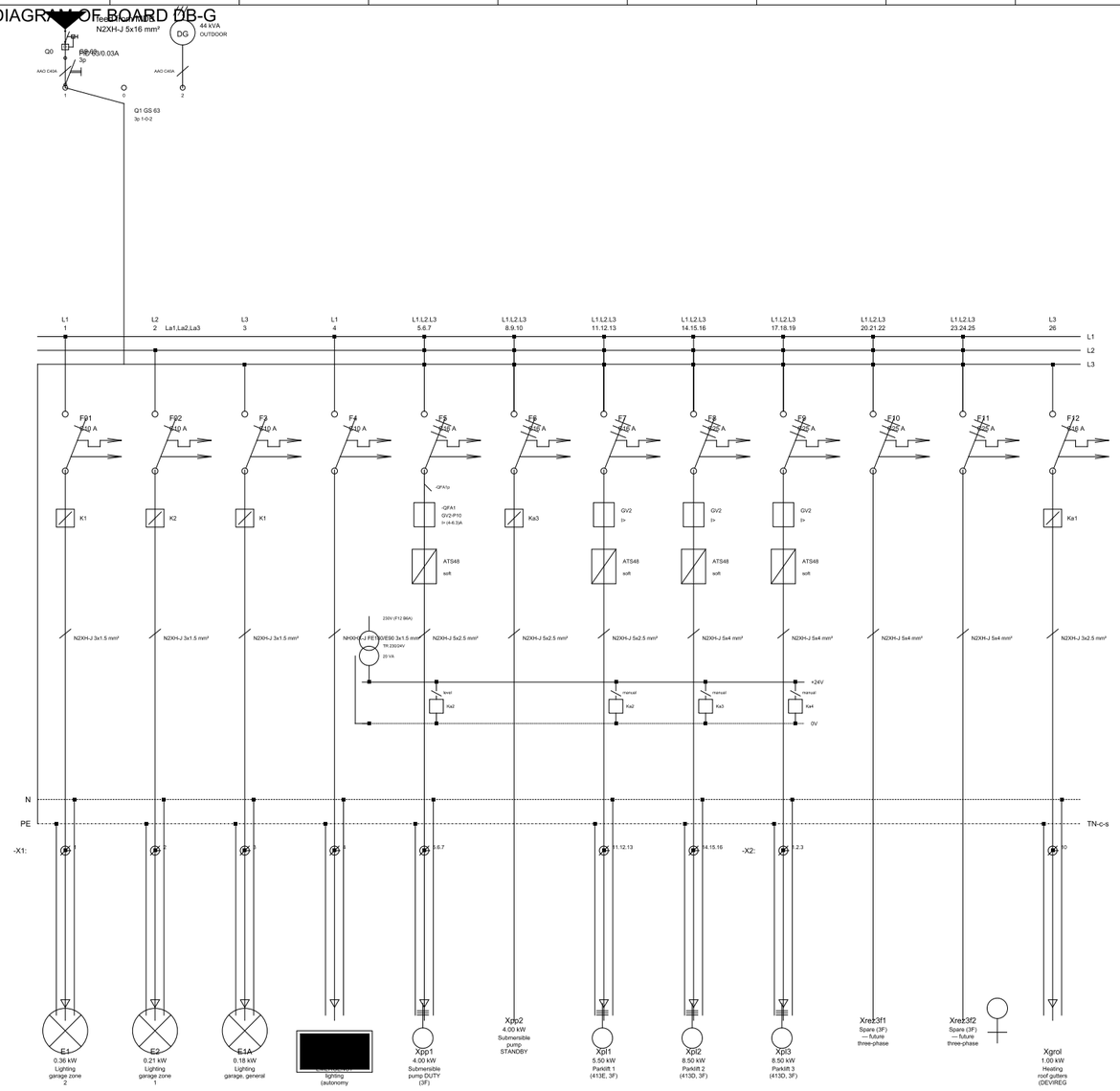


INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN	DATE: 06.2026	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: SINGLE-LINE DIAGRAM OF BOARD DB-CS	DRAWING No.: 4.3		SHEETS: 1
	designer:							SHEET: 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

SINGLE-LINE DIAGRAM OF BOARD DB-G

Pi = 51.9 kW
kj =
Pd = 41.5 kW



N2XH-J 5x10 mm²
N2XH-J 5x4 mm²
N2XH-J 3x2.5 mm²

NHXHX-J FE180/E90 5x10mm
N2XH-J 5x2.5mm
NHXHX-J FE180/E90 2x1.5mm

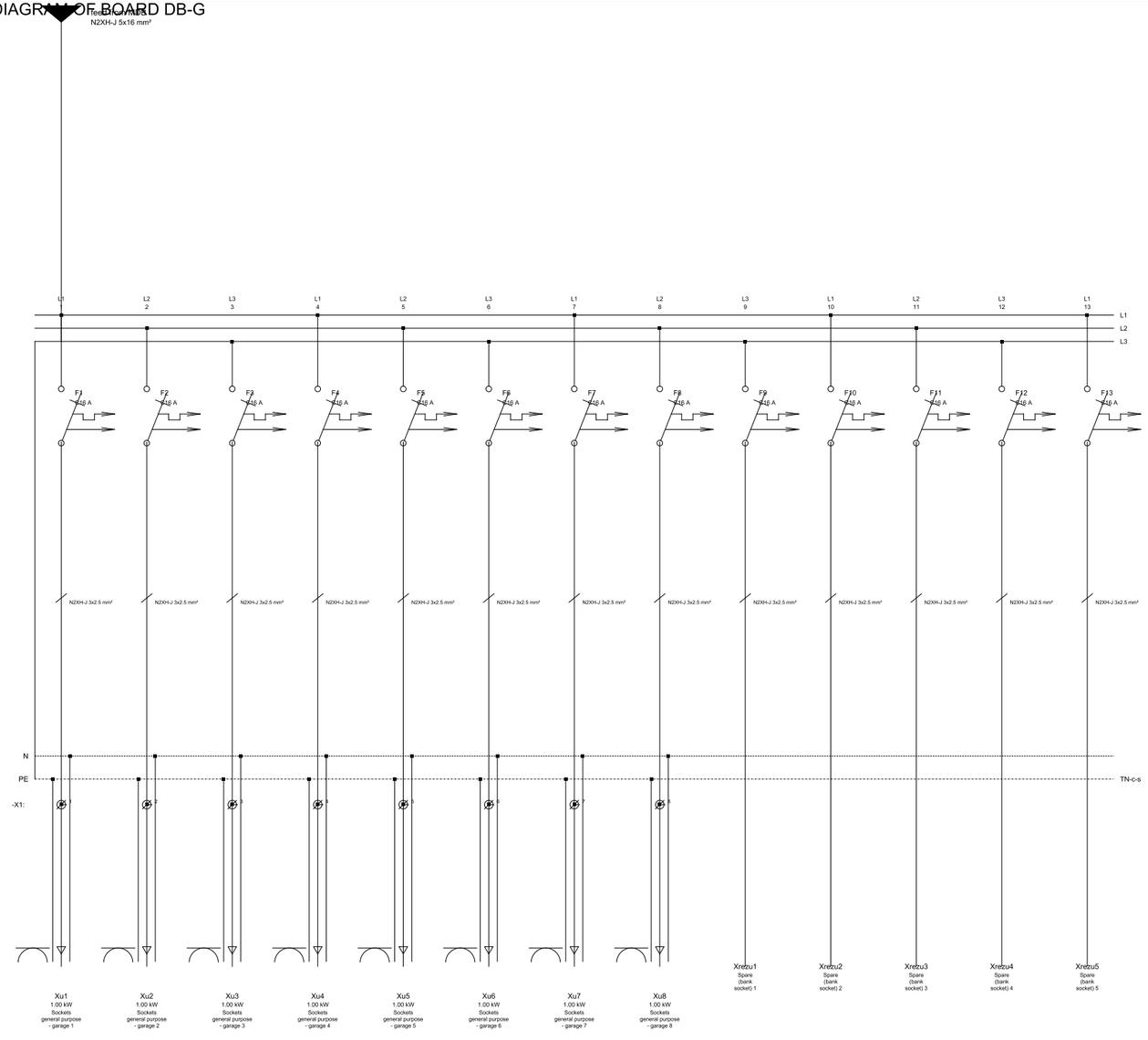
INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN 06.2026
DESIGNER:	Responsible designer:				DRAWING TITLE: SINGLE-LINE DIAGRAM OF BOARD DB-G
	designer:				

DATE:	REVISION:	PHASE:
	00	PZI
DRAWING No.: 4.4		SHEETS: 4
		SHEET: 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

SINGLE-LINE DIAGRAM OF BOARD DB-G

Pi = 51.9 kW
kj =
Pd = 41.5 kW



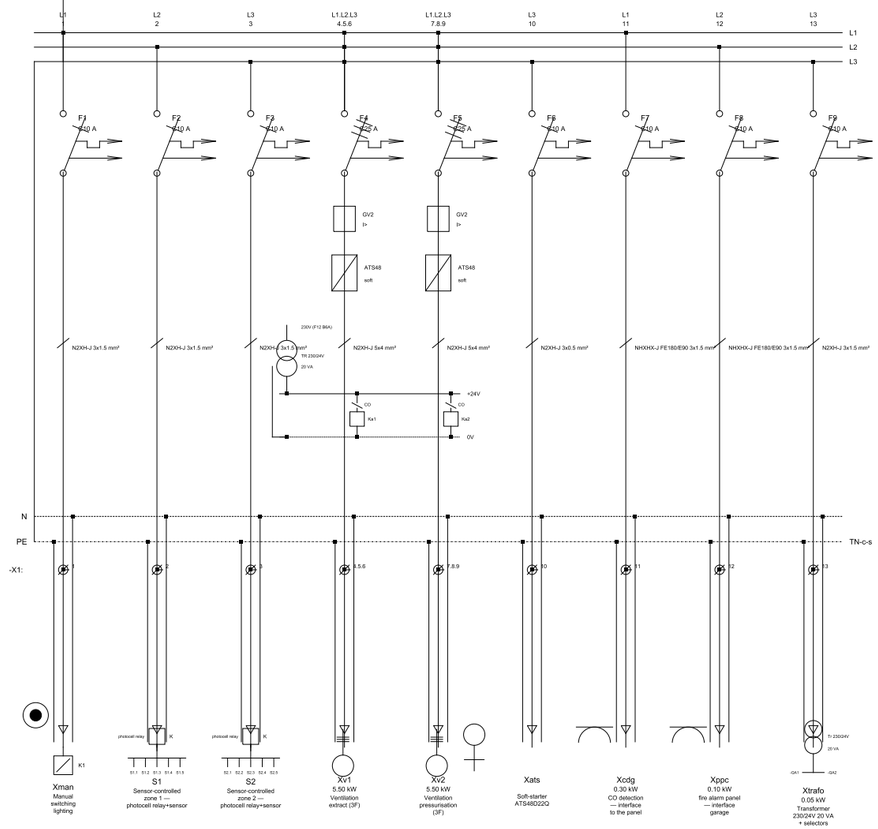
INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN	DATE: 06.2026	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: SINGLE-LINE DIAGRAM OF BOARD DB-G	DRAWING No.: 4.4		SHEETS: 4
	designer:							SHEET: 2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

SINGLE-LINE DIAGRAM OF BOARD DB-G

Pi = 51.9 kW
kj =
Pd = 41.5 kW

Feeder cable
N2XH-J 5x16 mm²

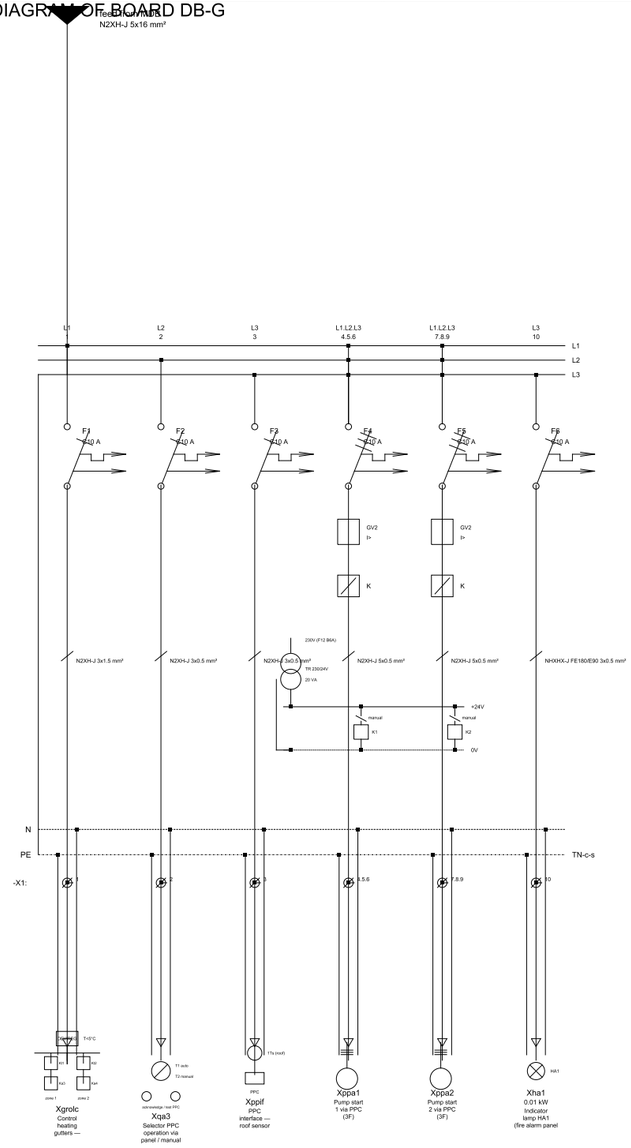


INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN	DATE: 06.2026	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: SINGLE-LINE DIAGRAM OF BOARD DB-G	DRAWING No.: 4.4		SHEETS: 4
	designer:							SHEET: 3

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

SINGLE-LINE DIAGRAM OF BOARD DB-G

Pi = 51.9 kW
kj =
Pd = 41.5 kW



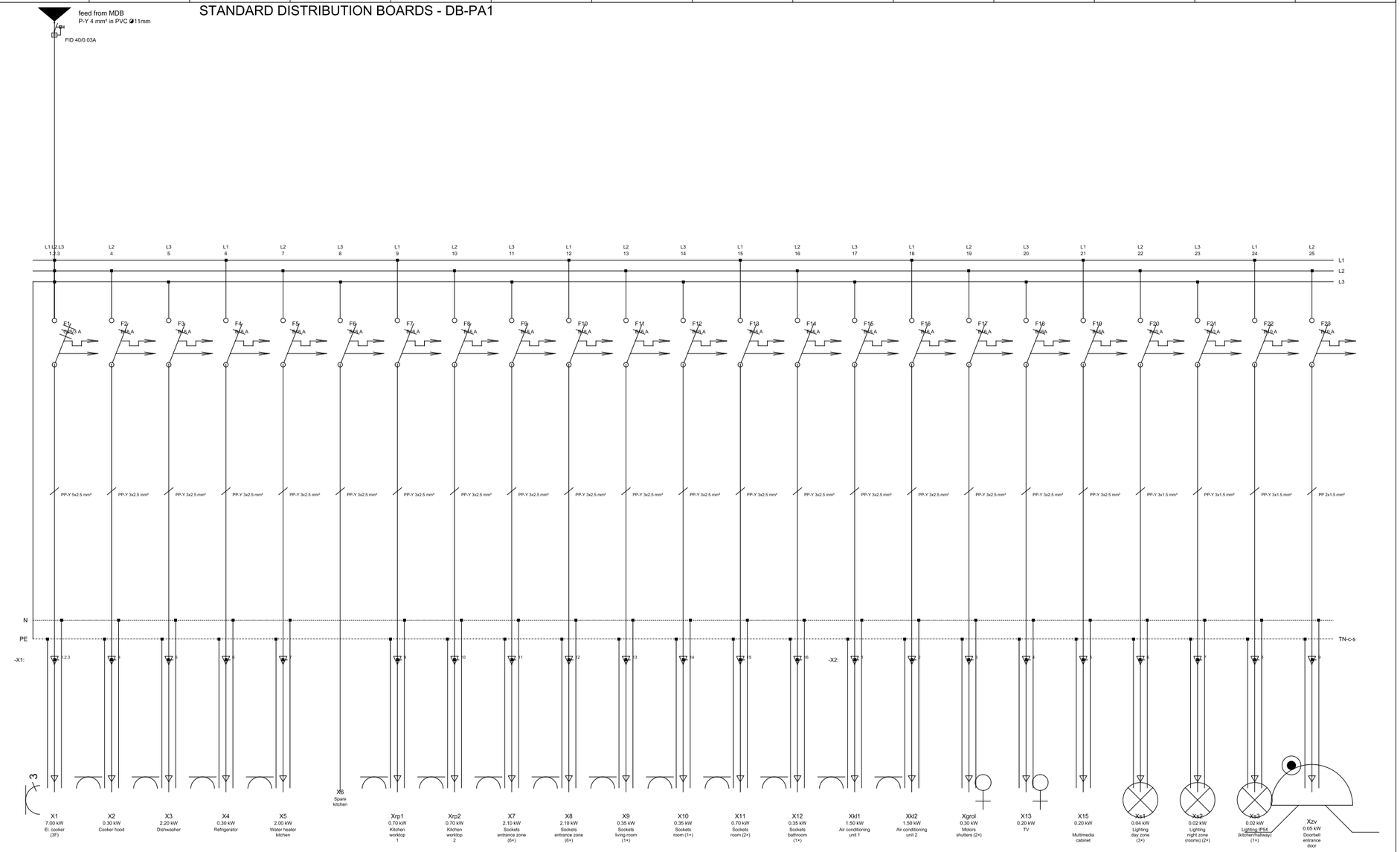
INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN 06.2026
DESIGNER:	Responsible designer:				DRAWING TITLE: SINGLE-LINE DIAGRAM OF BOARD DB-G
	designer:				

DATE:	REVISION:	PHASE:
	00	PZI
DRAWING No.: 4.4		SHEETS: 4
		SHEET: 4

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

STANDARD DISTRIBUTION BOARDS - DB-PA1

Pi = 30.7 kW
kj = 0.56
Pj = 17.2 kW

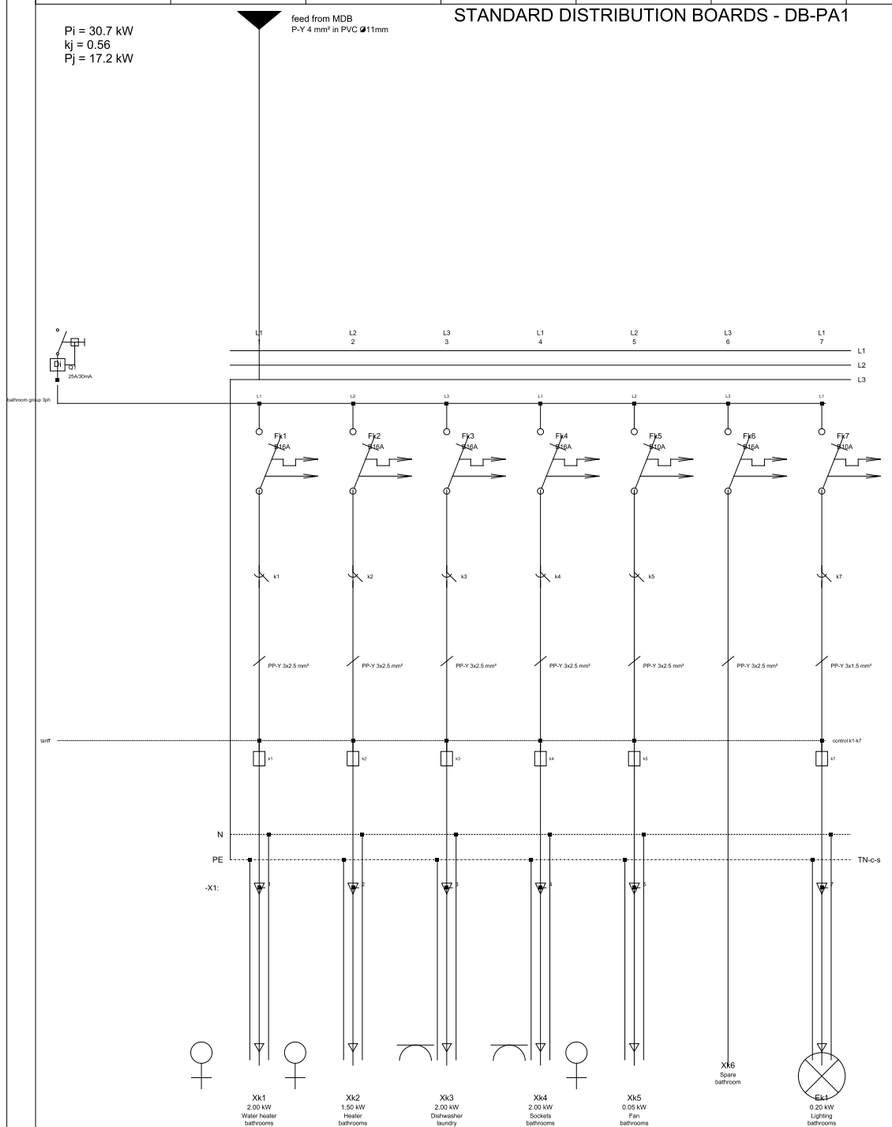


INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN 06.2026	DATE:	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: STANDARD DISTRIBUTION BOARDS - DB-PA1	DRAWING No.: 4		SHEETS: 2
	designer:							SHEET: 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

STANDARD DISTRIBUTION BOARDS - DB-PA1

Pi = 30.7 kW
kj = 0.56
Pj = 17.2 kW

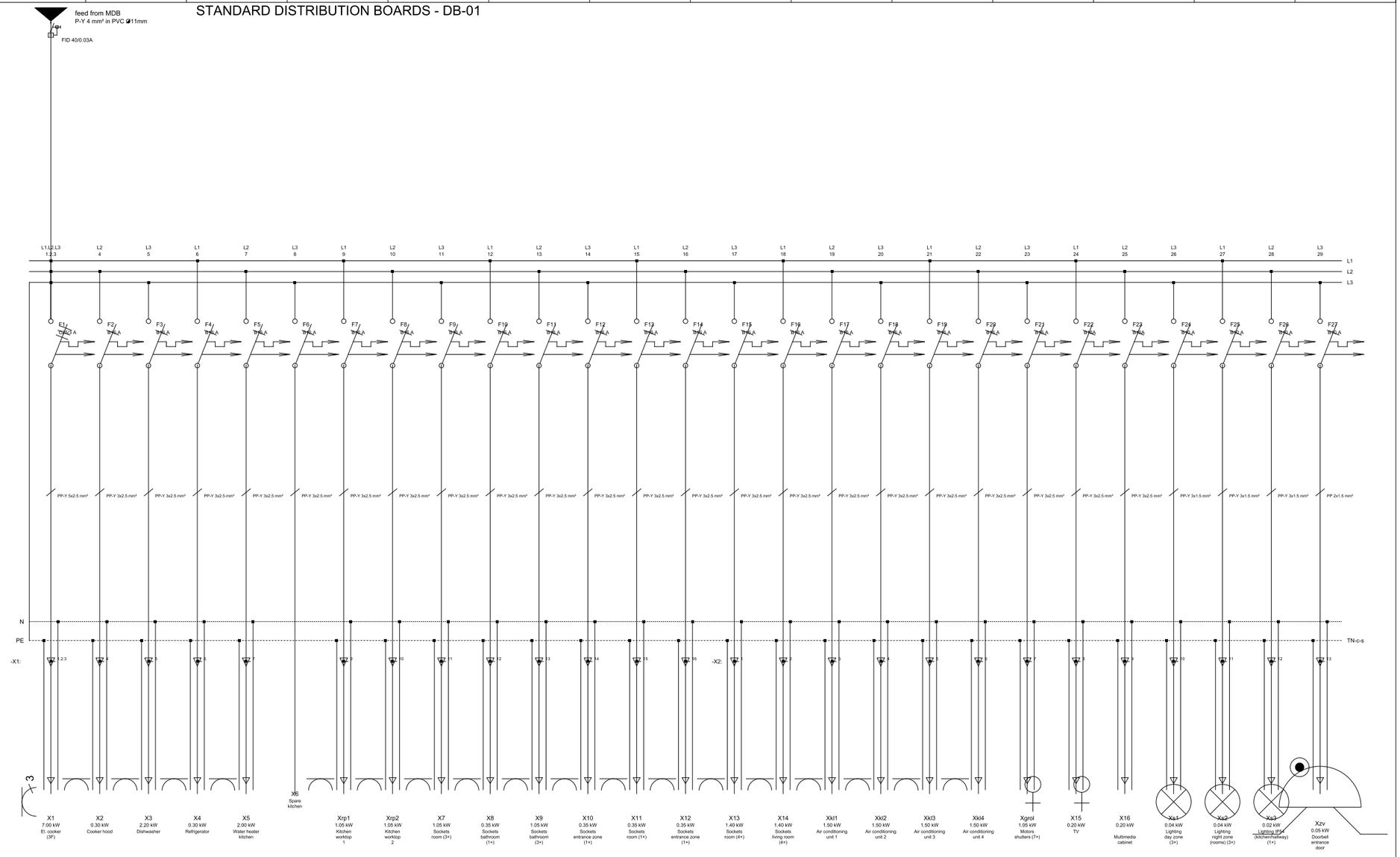


INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN	DATE: 06.2026	REVISION: 00	PHASE: PZI	
DESIGNER:	Responsible designer:				DRAWING TITLE: STANDARD DISTRIBUTION BOARDS - DB-PA1	DRAWING No.: 4		SHEETS: 2	
	designer:							SHEET: 2	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

STANDARD DISTRIBUTION BOARDS - DB-01

Pi = 35.5 kW
kj = 0.49
Pj = 17.2 kW

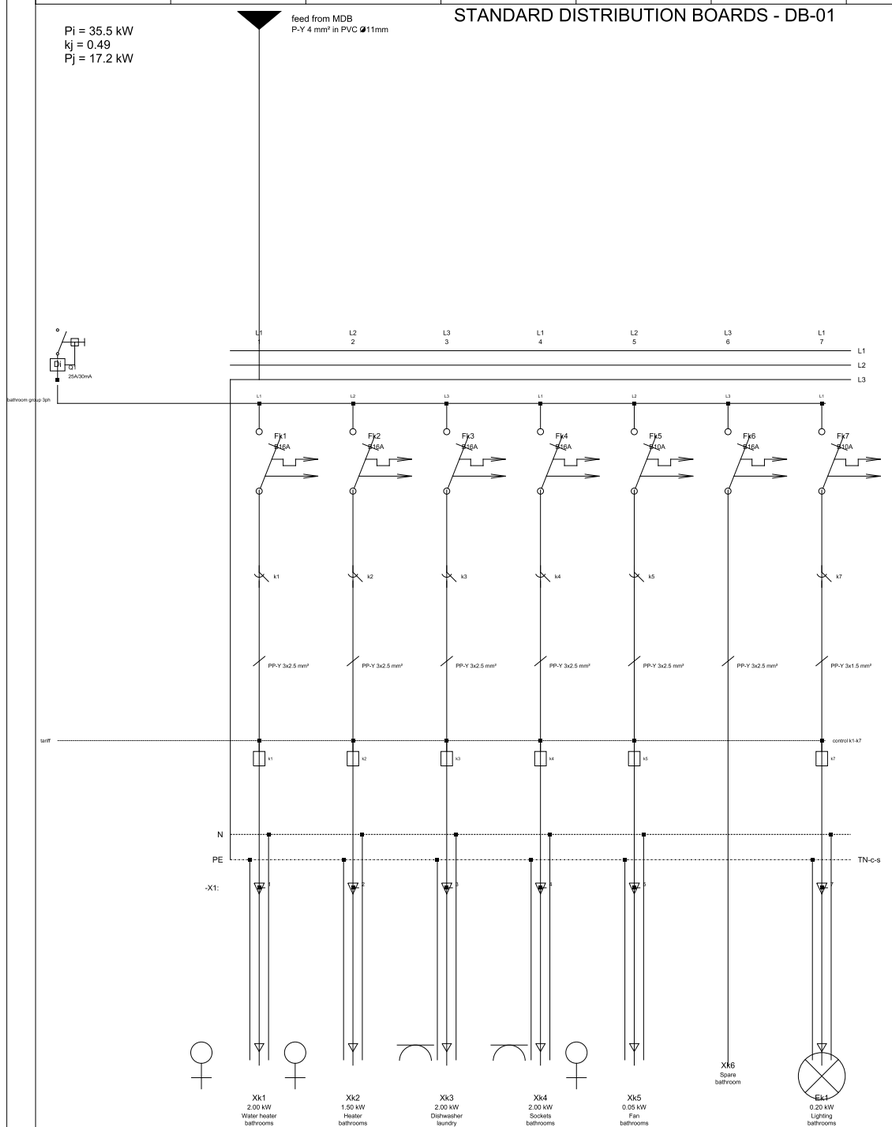


INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN	DATE: 06.2026	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: STANDARD DISTRIBUTION BOARDS - DB-01	DRAWING No.: 4		SHEETS: 2
	designer:							SHEET: 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

STANDARD DISTRIBUTION BOARDS - DB-01

Pi = 35.5 kW
kj = 0.49
Pj = 17.2 kW

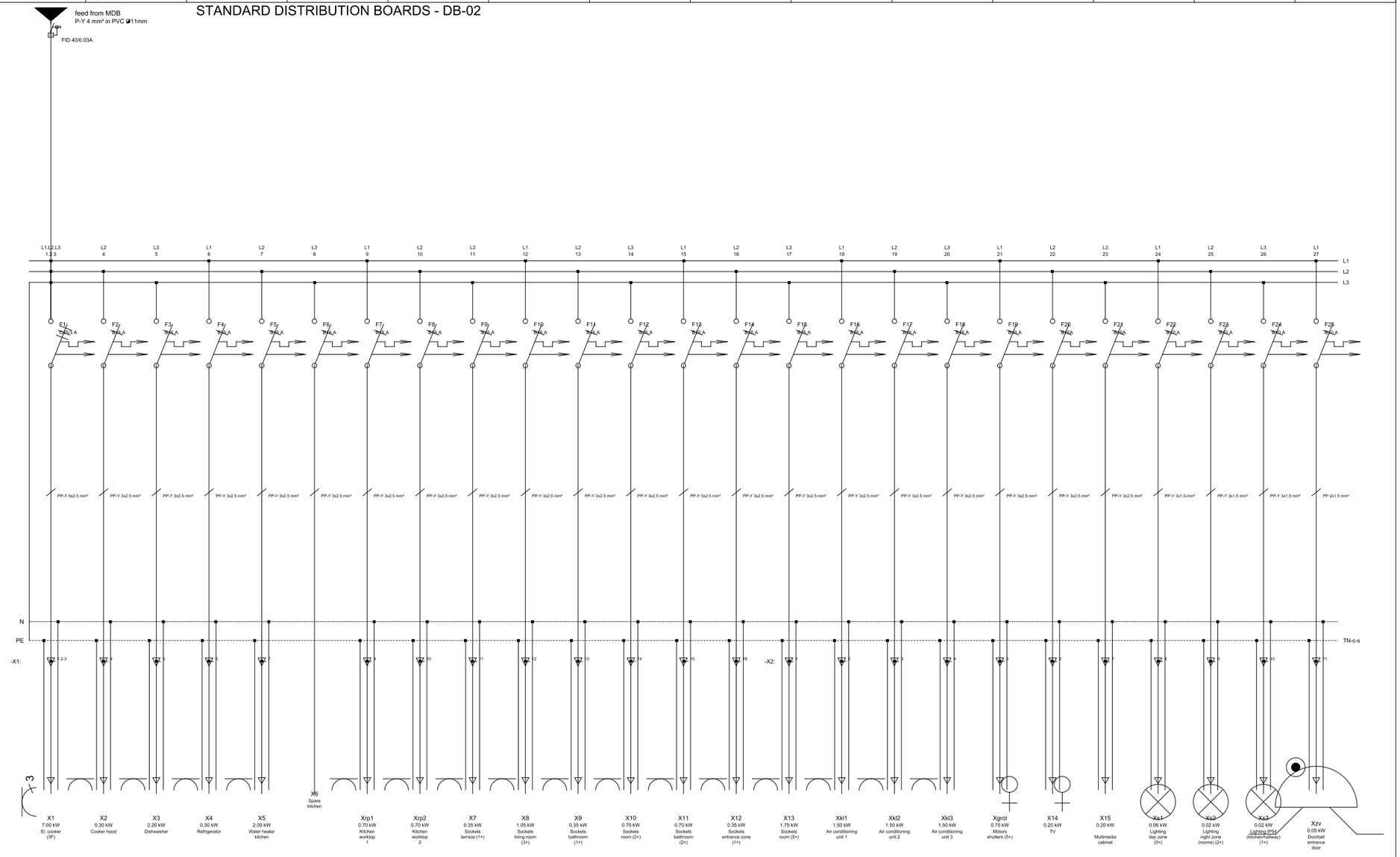


INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN	DATE: 06.2026	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: STANDARD DISTRIBUTION BOARDS - DB-01	DRAWING No.: 4		SHEETS: 2
	designer:							SHEET: 2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

STANDARD DISTRIBUTION BOARDS - DB-02

Pi = 32.0 kW
kj = 0.54
Pj = 17.2 kW

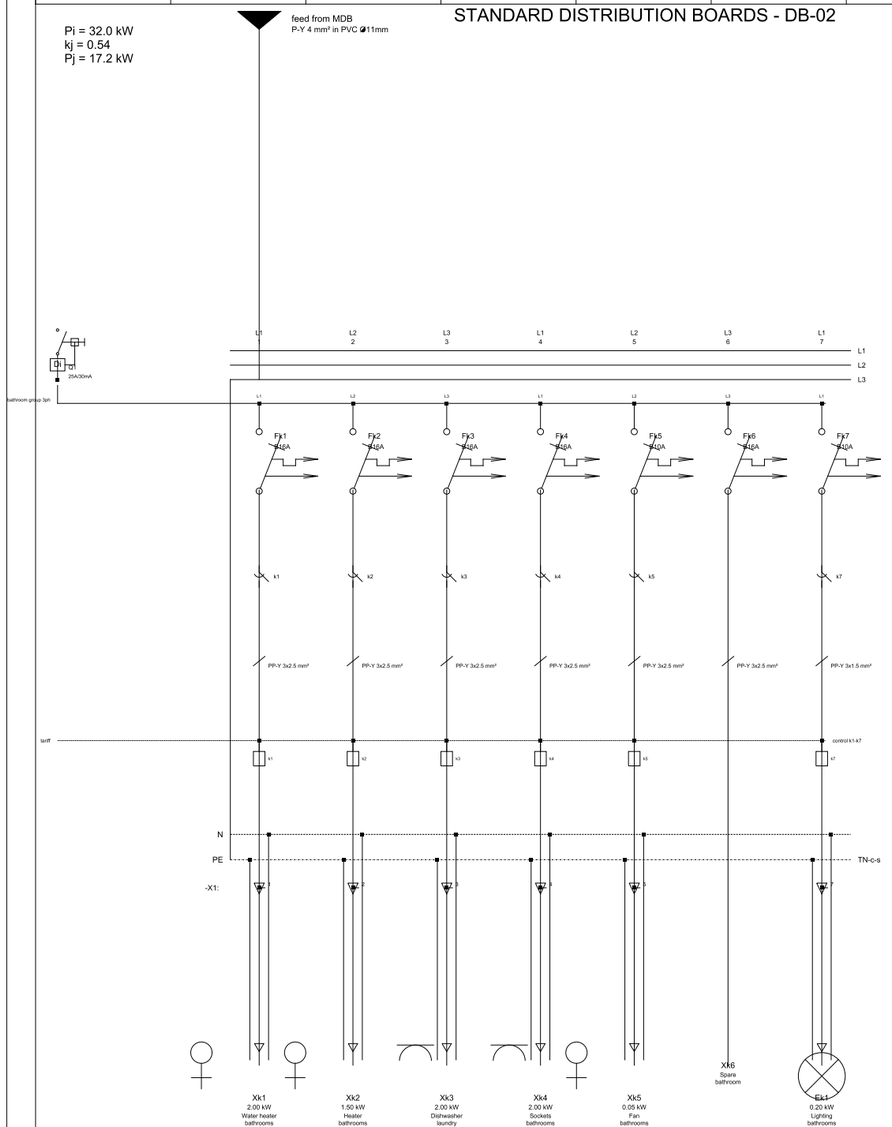


INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN	DATE: 06.2026	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: STANDARD DISTRIBUTION BOARDS - DB-02	DRAWING No.: 4		SHEETS: 2
	designer:							SHEET: 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

STANDARD DISTRIBUTION BOARDS - DB-02

Pi = 32.0 kW
kj = 0.54
Pj = 17.2 kW

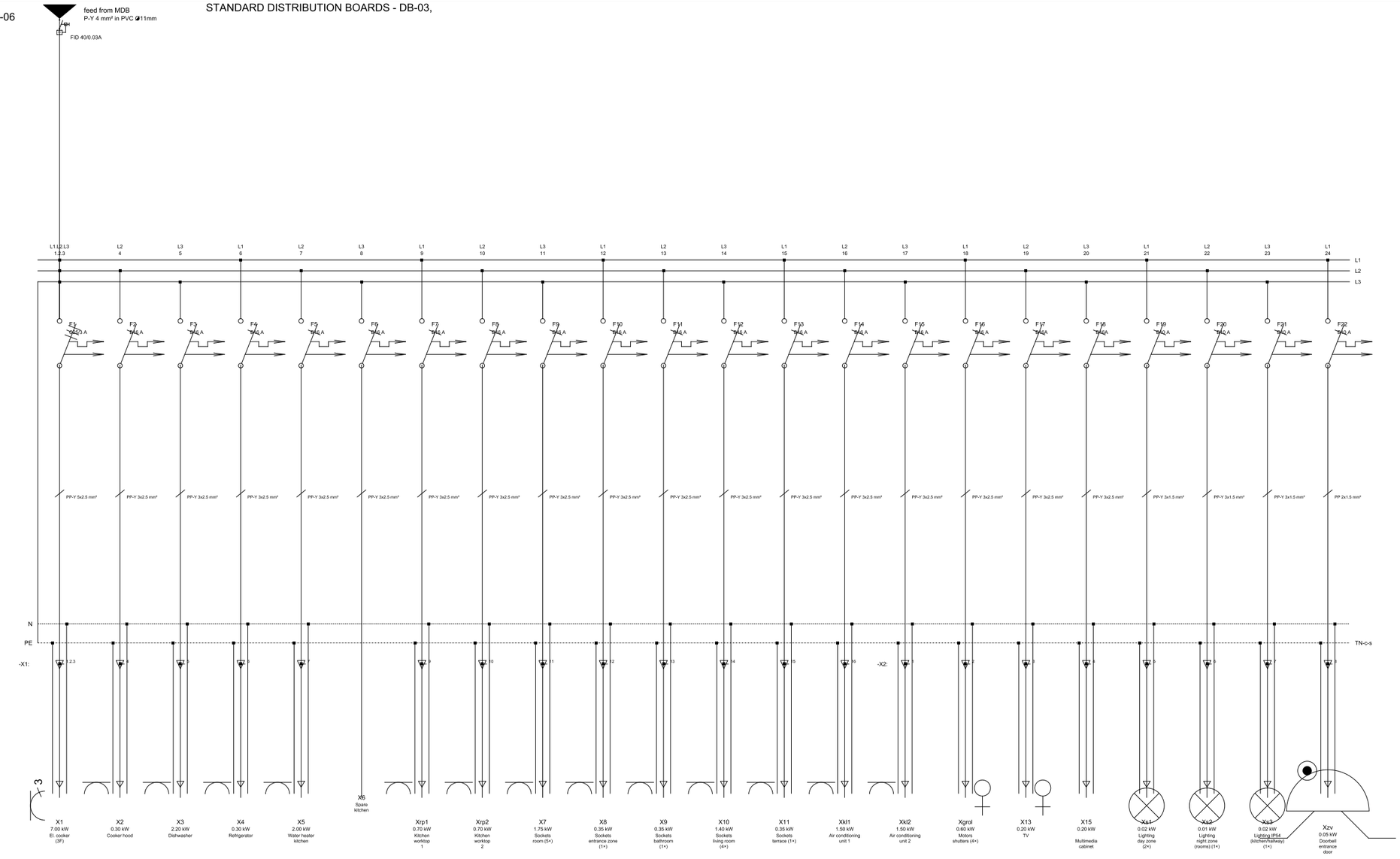


INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN 06.2026	DATE:	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: STANDARD DISTRIBUTION BOARDS - DB-02	DRAWING No.: 4		SHEETS: 2
	designer:							SHEET: 2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

DB-04, DB-05, DB-06
Pi = 29.3 kW
kj = 0.59
Pj = 17.2 kW

STANDARD DISTRIBUTION BOARDS - DB-03,



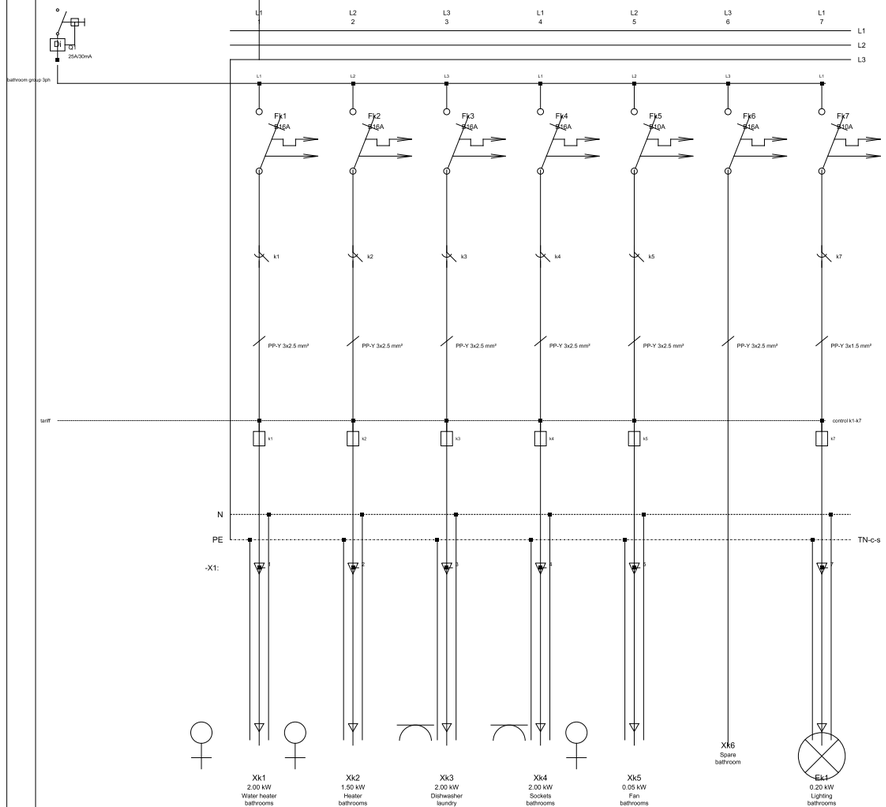
INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN	DATE: 06.2026	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: STANDARD DISTRIBUTION BOARDS - DB-03 (type repeats 11×: DB-03, DB-04, DB-05, DB-06, DB-07, DB-08, DB-09, DB-10, DB-12, DB-13, DB-15)	DRAWING No.: 4		SHEETS: 2
	designer:							SHEET: 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

DB-04, DB-05, DB-06
Pi = 29.3 kW
kj = 0.59
Pj = 17.2 kW

feed from MDB
P-Y 4 mm² in PVC ◪11mm

STANDARD DISTRIBUTION BOARDS - DB-03,

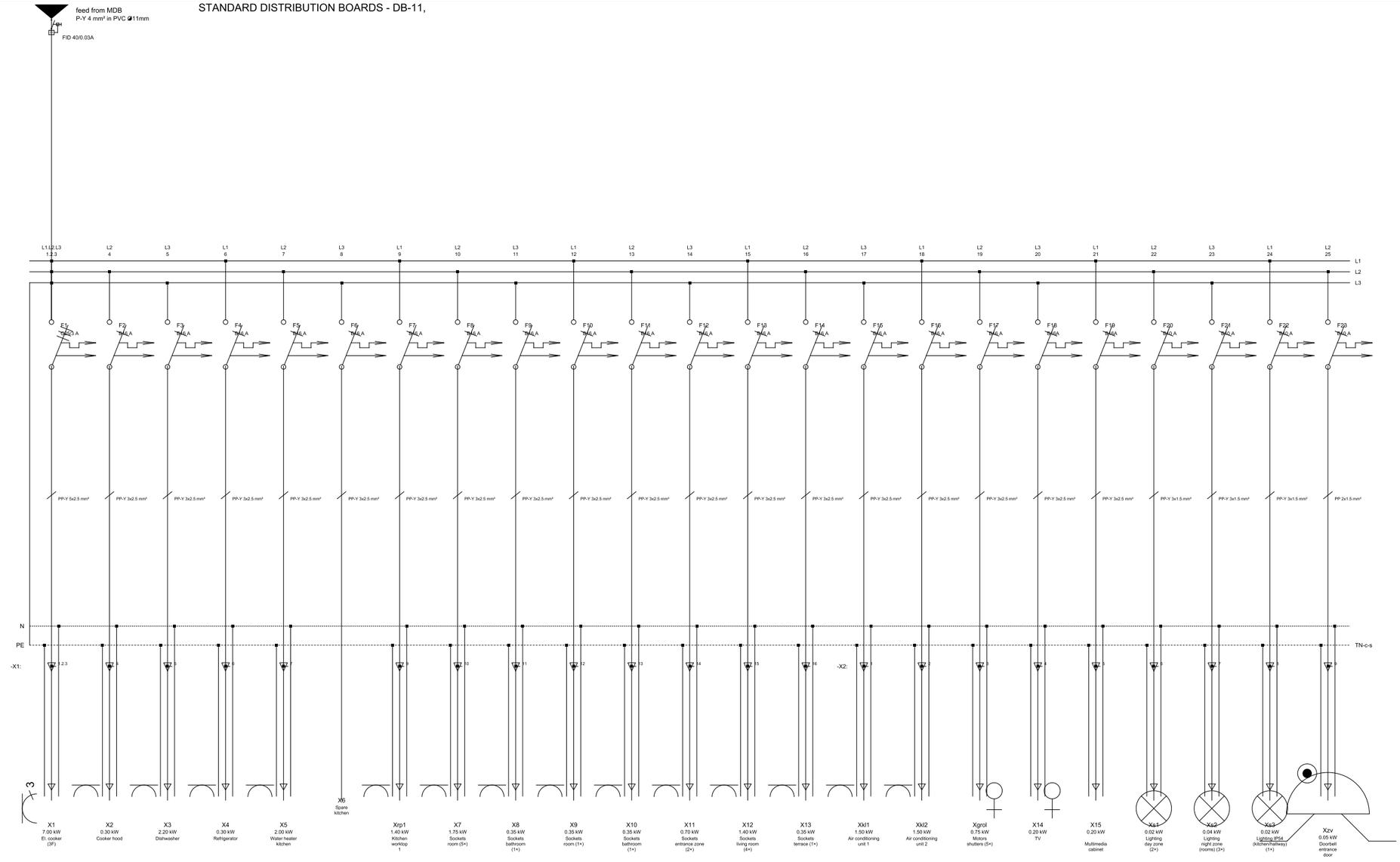


INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN	DATE: 06.2026	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: STANDARD DISTRIBUTION BOARDS - DB-03 (type repeats 11×: DB-03, DB-04, DB-05, DB-06, DB-07, DB-08, DB-09, DB-10, DB-12, DB-13, DB-15)	DRAWING No.: 4		SHEETS: 2
	designer:							SHEET: 2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

DB-14
Pi = 30.5 kW
kj = 0.57
Pj = 17.2 kW

STANDARD DISTRIBUTION BOARDS - DB-11,

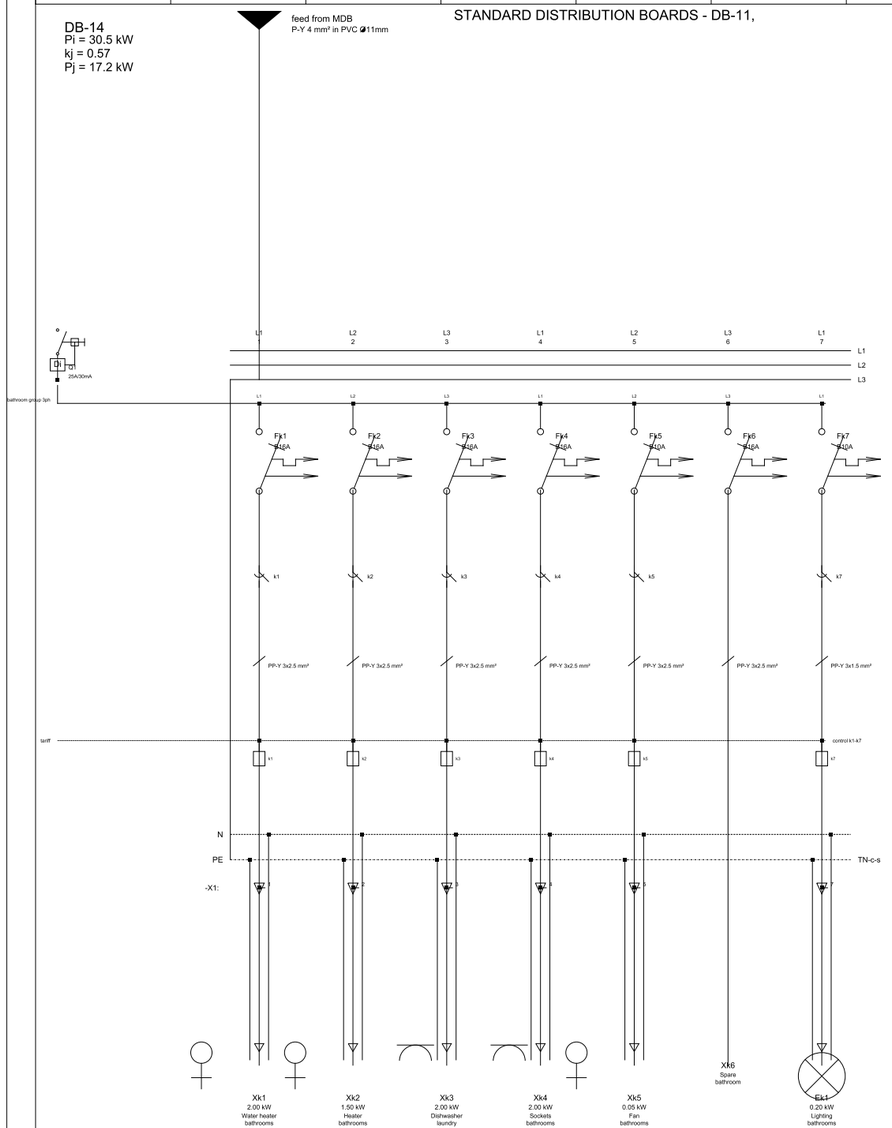


INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN 06.2026	DATE:	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: STANDARD DISTRIBUTION BOARDS - DB-11 (type repeats 2×: DB-11, DB-14)	DRAWING No.: 4		SHEETS: 2
	designer:							SHEET: 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

STANDARD DISTRIBUTION BOARDS - DB-11,

DB-14
Pi = 30.5 kW
kj = 0.57
Pj = 17.2 kW

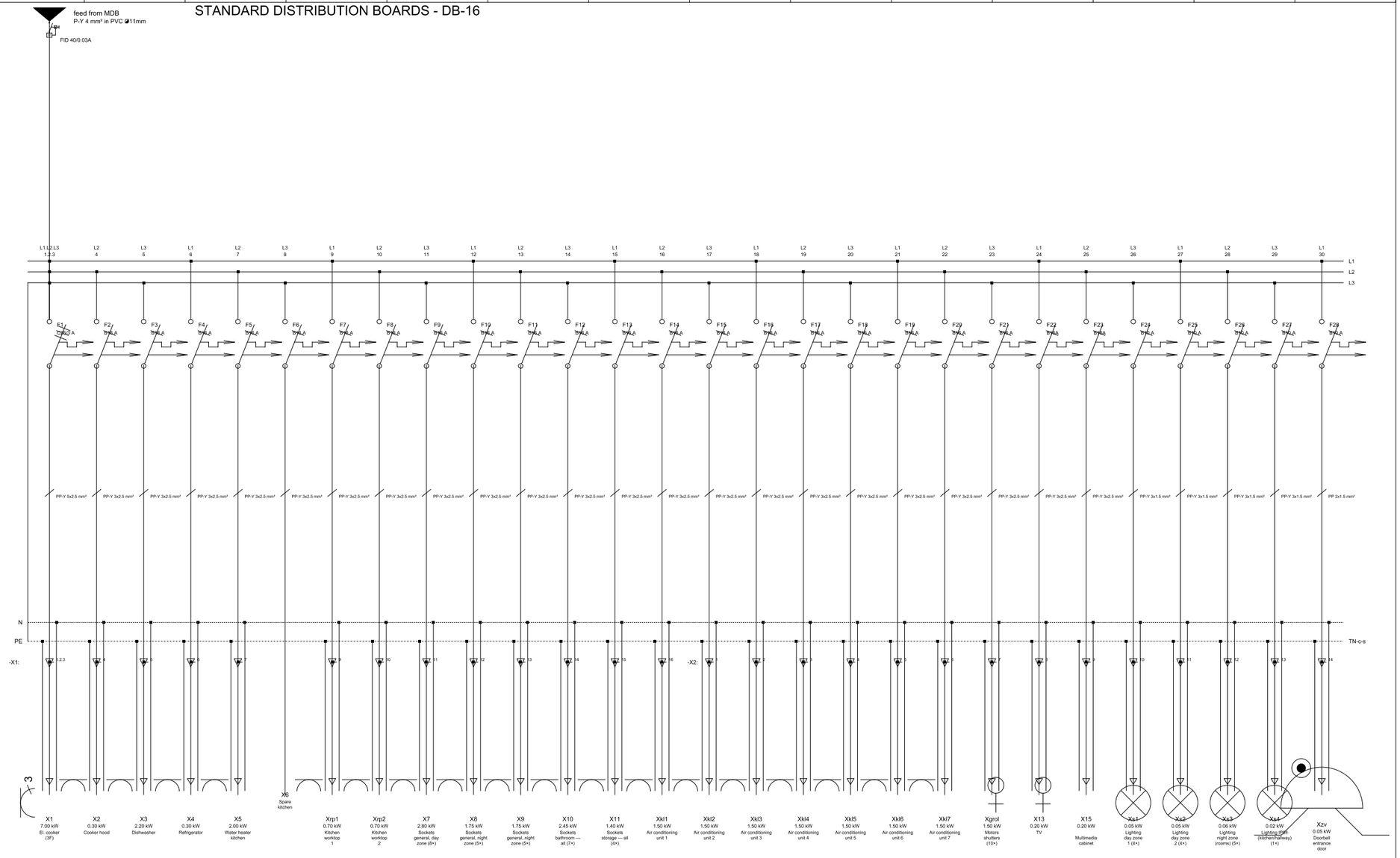


INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN 06.2026	DATE:	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: STANDARD DISTRIBUTION BOARDS - DB-11 (type repeats 2×: DB-11, DB-14)	DRAWING No.: 4	SHEETS: 2	
	designer:						SHEET: 2	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

STANDARD DISTRIBUTION BOARDS - DB-16

Pi = 46.1 kW
kj = 0.37
Pj = 17.2 kW

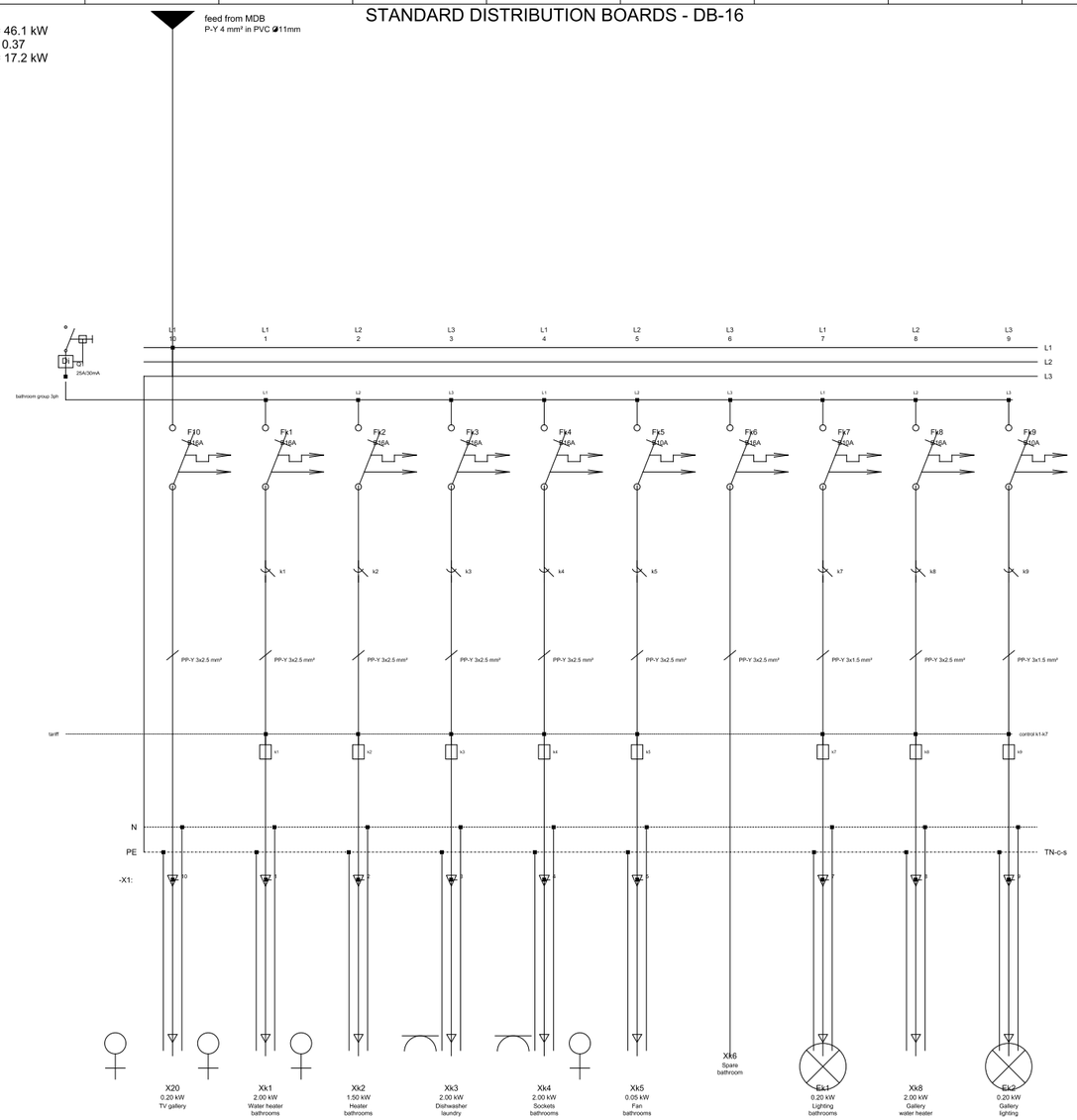


INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN	DATE: 06.2026	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: STANDARD DISTRIBUTION BOARDS - DB-16	DRAWING No.: 4		SHEETS: 2
	designer:							SHEET: 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

STANDARD DISTRIBUTION BOARDS - DB-16

Pi = 46.1 kW
kj = 0.37
Pj = 17.2 kW

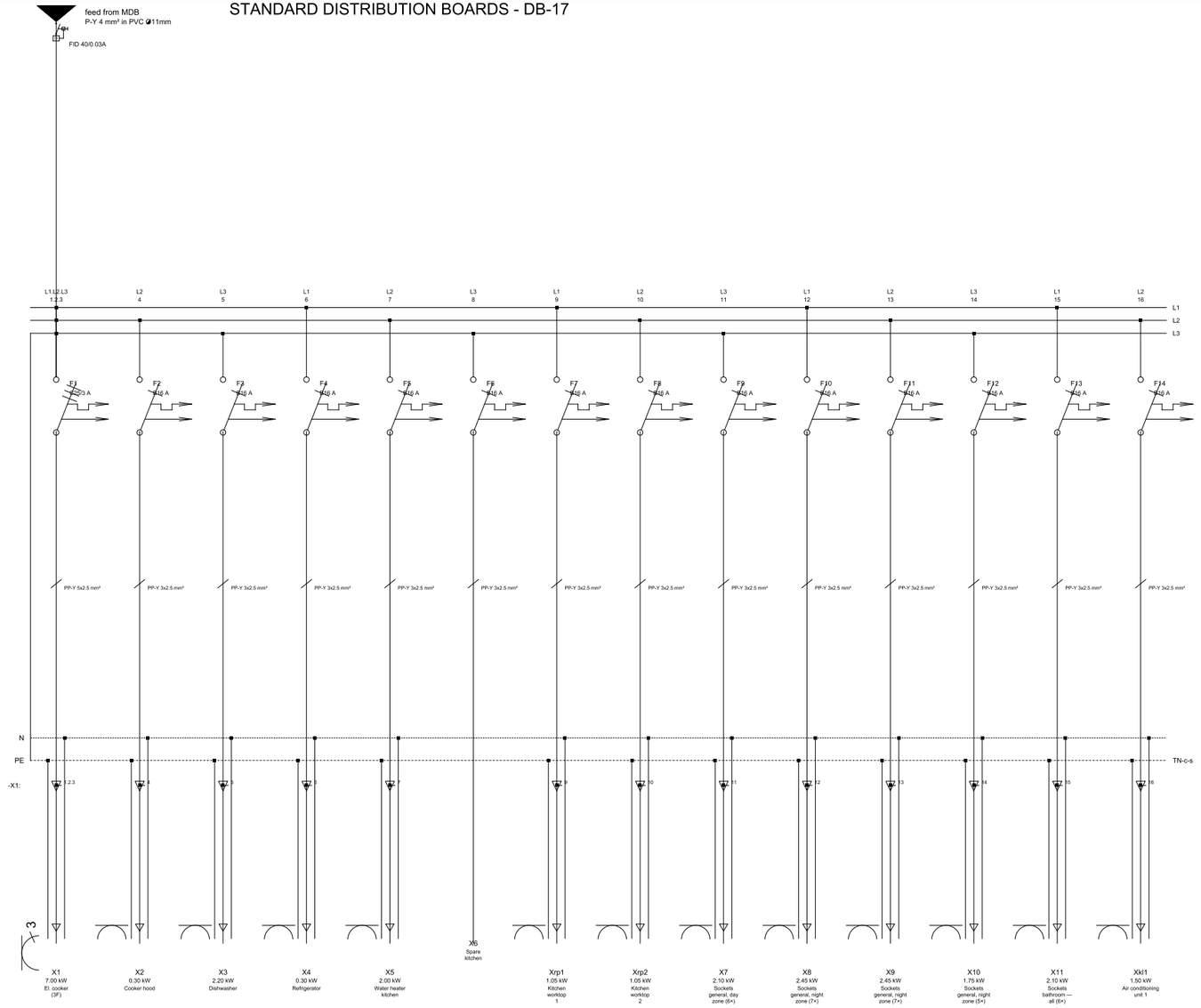


INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN	DATE: 06.2026	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: STANDARD DISTRIBUTION BOARDS - DB-16	DRAWING No.: 4		SHEETS: 2
	designer:							SHEET: 2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

STANDARD DISTRIBUTION BOARDS - DB-17

Pi = 49.6 kW
kj = 0.35
Pj = 17.2 kW

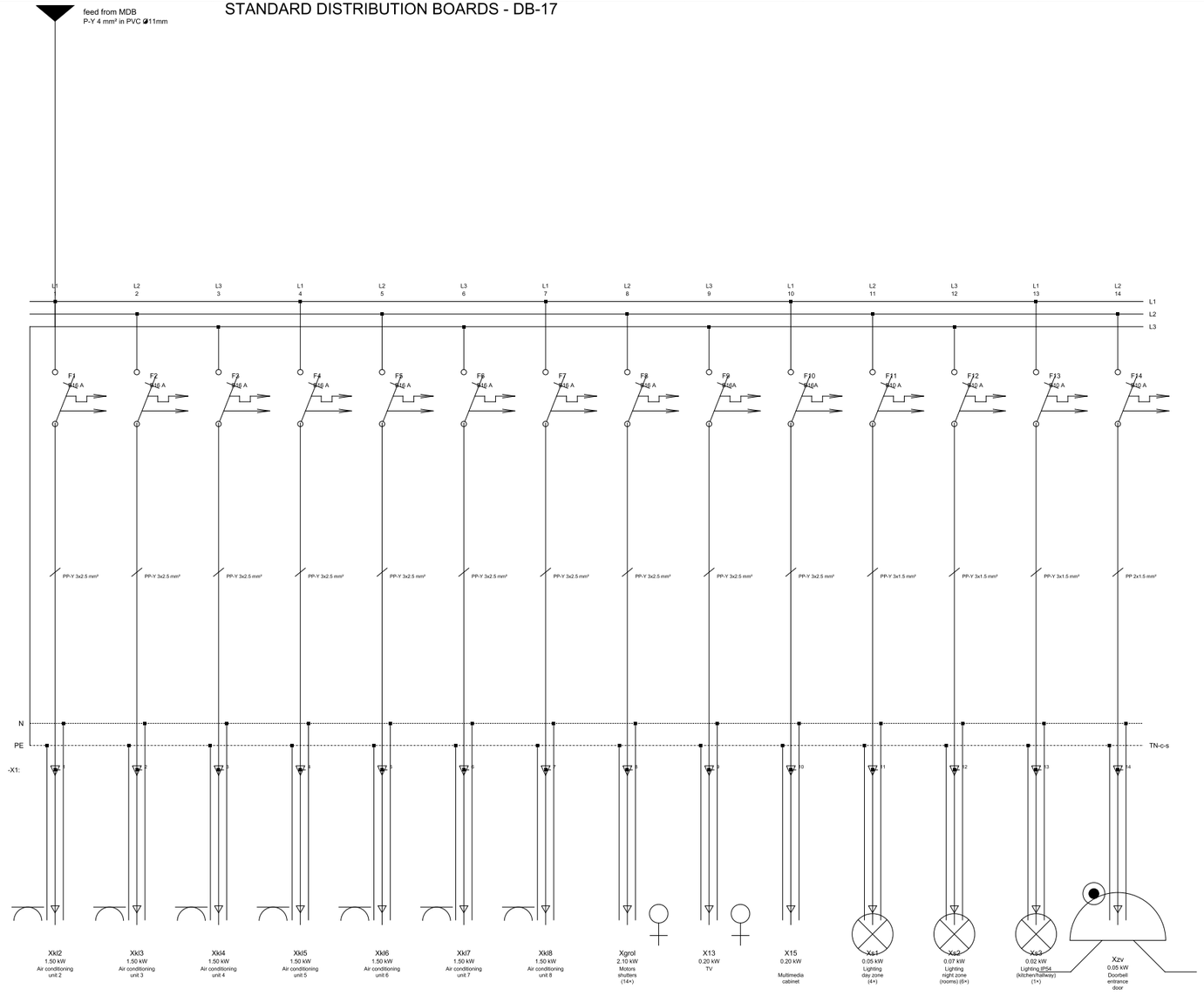


INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN	DATE: 06.2026	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: STANDARD DISTRIBUTION BOARDS - DB-17	DRAWING No.: 4		SHEETS: 3
	designer:							SHEET: 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

STANDARD DISTRIBUTION BOARDS - DB-17

Pi = 49.6 kW
kj = 0.35
Pj = 17.2 kW

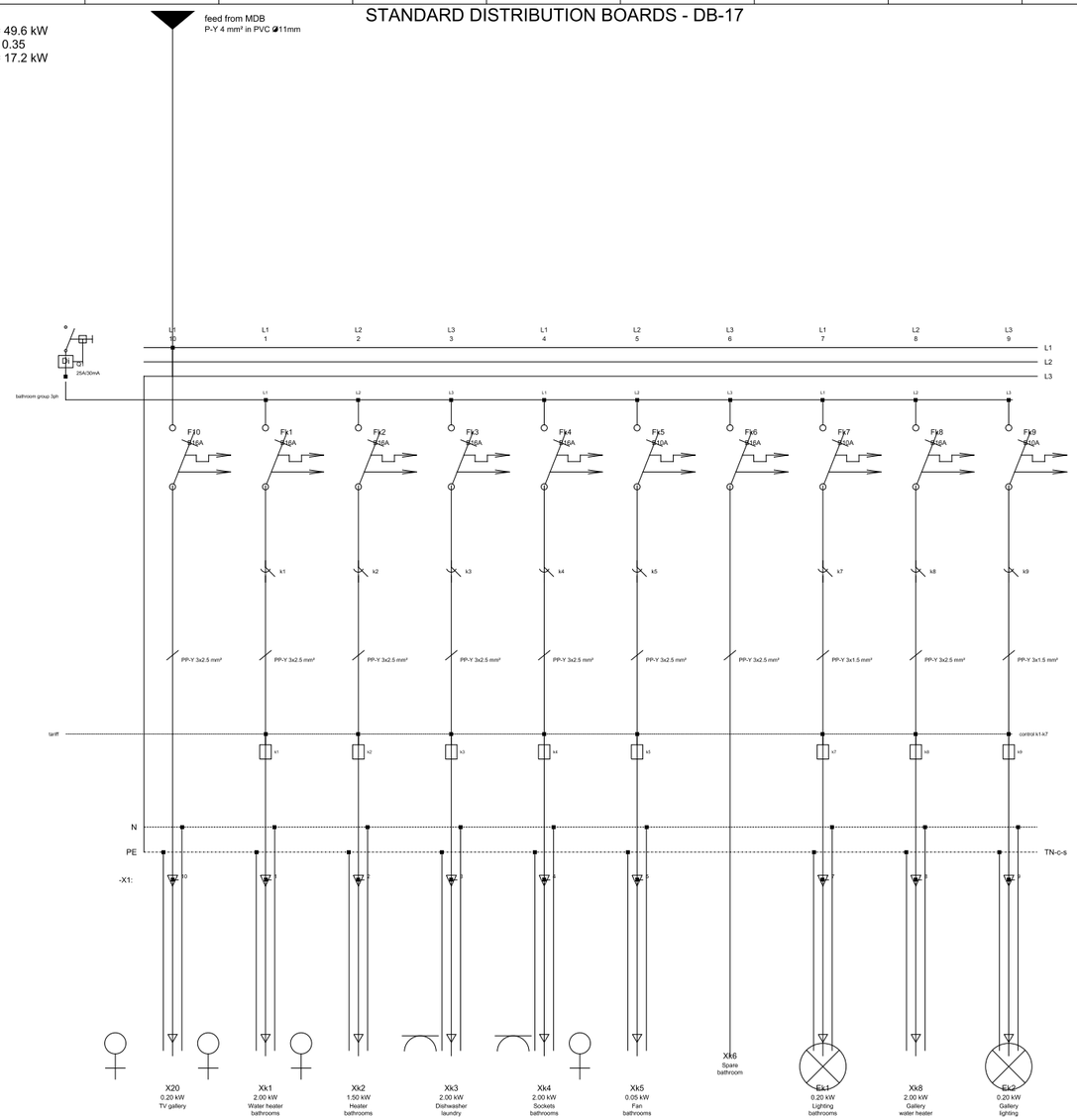


INVESTOR:		NAME	SIGNATURE	BUILDING:	PROJECT: ELECTRICAL INSTALLATIONS DESIGN	DATE: 06.2026	REVISION: 00	PHASE: PZI
DESIGNER:	Responsible designer:				DRAWING TITLE: STANDARD DISTRIBUTION BOARDS - DB-17	DRAWING No.: 4	SHEETS: 3	
	designer:						SHEET: 2	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

STANDARD DISTRIBUTION BOARDS - DB-17

Pi = 49.6 kW
kj = 0.35
Pj = 17.2 kW



		NAME	SIGNATURE	BUILDING:	PROJECT:	DATE:	REVISION:	PHASE:
INVESTOR:					ELECTRICAL INSTALLATIONS DESIGN	06.2026	00	PZI
DESIGNER:	Responsible designer:				DRAWING TITLE:	DRAWING No.:		SHEETS: 3
	designer:			STANDARD DISTRIBUTION BOARDS - DB-17		4		SHEET: 3