CIRCUIT SCHEDULE PANEL "MP"

MANUFACTURE: SQUARE D
TYPE: I-LINE
PHASE: 3
WIRE: 4, SOLID NEUTRAL

MAIN: 600 AMP MAIN BREAKER
VOLTS: 480/277
AMP RATING: 600
AIC RATING: 22,000

BUSS: COPPER
BREAKERS: BOLT ON
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

NOTES	LOAD DESCRIPTION	COND. SIZE	WIRE ø	WIRE N	WIRE GND	SIZE	C.B.	CKT. NO.	CONN. LOAD (KVA) PH."A"	PH."B"	PH."C"	CKT. NO.	C.B.	SIZE ø	WIRE N	WIRE GND	COND. SIZE	LOAD DESCRIPTION	NOTES
–	PANEL "A"	1 1/2"	3	3	8	100/3		1	5.4/7.1			2							
								3		3.6/6.2		4	70/3	4	4	8	1 1/4"	TRANSFORMER "T1"	–
								5			3.2/7.5	6							
								7	17/17			8							
–	RTU-1	1 1/4"	4	4	8	800/3		9		17/17		10	80/3	4	4	8	1 1/4"	RTU-2	–
								11			17/17	12							
								13	5.8/20			14							
–	RTU-3	1"	10	10	10	30/3		15		5.8/20		16	200/3	4/0	4/0	4	2 1/2"	EXISTING KITCHEN BUILDING	–
								17			5.8/20	18							
–	SPACE	–	–	–	–	–		19	–/–			20							
								21		–/–		22	–	–	–	–	–	SPACE	–
								23			–/–	24							
–	SPACE	–	–	–	–	–		25	–/–			26							
								27		–/–		28	–	–	–	–	–	SPACE	–
								29			–/–	30							
–	SPACE	–	–	–	–	–		31	–/–			32							
								33		–/–		34	–	–	–	–	–	SPACE	–
								35			–/–	36							
–	SPACE	–	–	–	–	–		37	–/–			38							
								39		–/–		40	–	–	–	–	–	SPACE	–
								41			–/–	42							
							TOTALS		72.3	69.6	70.5								

NOTES:
1. –
2. –
3. –

CIRCUIT SCHEDULE PANEL "A"

MANUFACTURE: SQUARE D
TYPE: NF
PHASE: 3
WIRE: 4, SOLID NEUTRAL

MAIN: LUGS ONLY
VOLTS: 480/277
AMP RATING: 100
AIC RATING: 10,000

BUSS: COPPER
BREAKERS: BOLT ON
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

NOTES	LOAD DESCRIPTION	COND. SIZE	WIRE ø	WIRE N	WIRE GND	SIZE	C.B.	CKT. NO.	CONN. LOAD (KVA) PH."A"	PH."B"	PH."C"	CKT. NO.	C.B.	SIZE ø	WIRE N	WIRE GND	COND. SIZE	LOAD DESCRIPTION	NOTES
–	LTS-CONCESSION	3/4"	10	10	10	20/1	1	.98/.56				2	20/1	10	10	10	3/4"	LTS-BOYS REST RM.	–
–	LTS-VESTIBULES	3/4"	10	10	10	20/1	3			1.3/.56		4	20/1	10	10	10	3/4"	LTS-GIRLS REST RM.	–
–	LTS-GYM	3/4"	10	10	10	20/1	5				.77/1.0	6	20/1	10	10	10	3/4"	LTS-GYM	–
–	LTS-GYM	3/4"	10	10	10	20/1	7	1.0/1.0				8	20/1	10	10	10	3/4"	LTS-GYM	–
–	LTS-GYM	3/4"	10	10	10	20/1	9			1.0/.77		10	20/1	10	10	10	3/4"	LTS-GYM	–
1	LTS-EXTERIOR	3/4"	10	10	10	20/1	11				.45/1.1	12	20/1	10	10	10	3/4"	LTS-STORAGR RM.	–
1	LTS-EXTERIOR	3/4"	10	10	10	20/1	13	.45/1.4				14	–	–	–	–	–	–	–
–	LIGHTING CONTACTOR	3/4"	10	10	10	20/1	15			0.1/–		16	–	–	–	–	–	–	–
–	–	–	–	–	–	–	17				–/–	18	–	–	–	–	–	–	–
–	–	–	–	–	–	–	19	–/–				20	–	–	–	–	–	–	–
–	–	–	–	–	–	–	21		–/–			22	–	–	–	–	–	–	–
–	–	–	–	–	–	–	23				–/–	24	–	–	–	–	–	–	–
–	–	–	–	–	–	–	25	–/–				26	–	–	–	–	–	–	–
–	–	–	–	–	–	–	27		–/–			28	–	–	–	–	–	SPACE	–
–	SPACE	–	–	–	–	–	29				–/–	30	–	–	–	–	–	SPACE	–
–	SPACE	–	–	–	–	–	31	–/–				32	–	–	–	–	–	SPACE	–
–	SPACE	–	–	–	–	–	33		–/–			34	–	–	–	–	–	SPACE	–
–	SPACE	–	–	–	–	–	35			–/–		36	–	–	–	–	–	SPACE	–
–	SPACE	–	–	–	–	–	37	–/–				38	–	–	–	–	–	SPACE	–
–	SPACE	–	–	–	–	–	39		–/–			40	–	–	–	–	–	SPACE	–
–	SPACE	–	–	–	–	–	41			–/–		42	–	–	–	–	–	SPACE	–
							TOTALS		5.39	3.63	3.32								

NOTES:
1. CIRCUIT THROUGH LIGHING CONTACTOR "LC-1".
2. –
3. –

TRANSFORMER SCHEDULE

MARK	KVA	PRIMARY VOLT	PRIMARY PHASE	SECONDARY VOLT	SECONDARY PHASE	DIMENSIONS HEIGHT	DIMENSIONS WIDTH	DIMENSIONS DEPTH	WEIGHT	ENCLOSURE	K-RATED	MANUFACTURE	MODEL NO.
"T1"	45	480	3ø	208/120	3ø	37"	30"	20"	565 Lb	NEMA 1	NONE	SQUARE D	45T3HEE

CIRCUIT SCHEDULE PANEL "B"

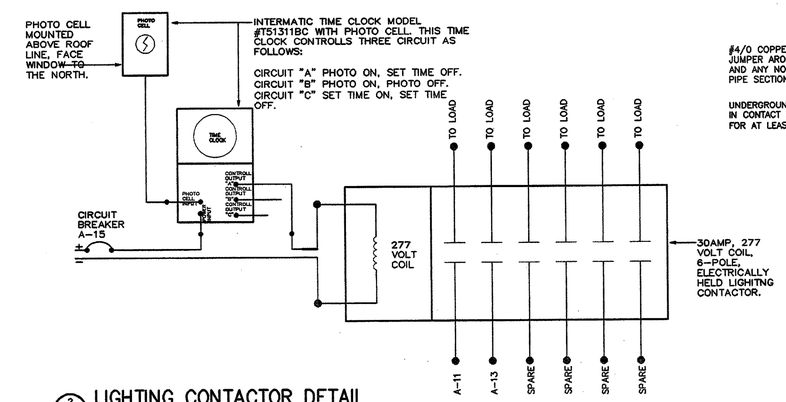
MANUFACTURE: SQUARE D
TYPE: NQOD
PHASE: 3
WIRE: 4, SOLID NEUTRAL

MAIN: 150 AMP MAIN BREAKER
VOLTS: 208/120
AMP RATING: 225
AIC RATING: 10,000

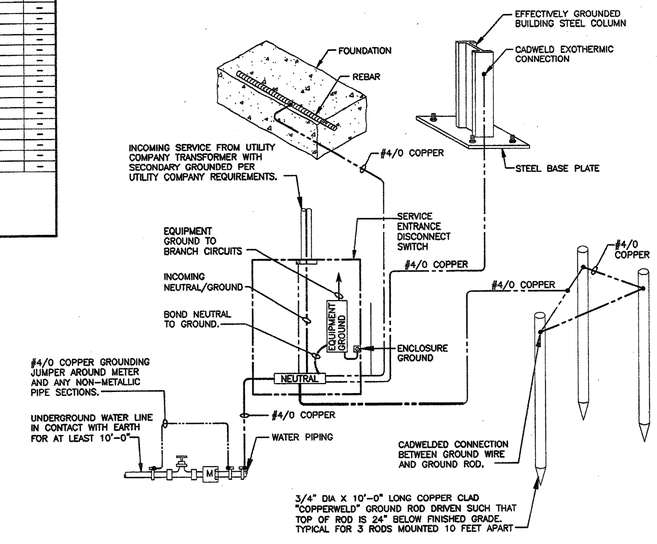
BUSS: COPPER
BREAKERS: BOLT ON
ENCLOSURE: NEMA 1
MOUNTING: SURFACE

NOTES	LOAD DESCRIPTION	COND. SIZE	WIRE ø	WIRE N	WIRE GND	SIZE	C.B.	CKT. NO.	CONN. LOAD (KVA) PH."A"	PH."B"	PH."C"	CKT. NO.	C.B.	SIZE ø	WIRE N	WIRE GND	COND. SIZE	LOAD DESCRIPTION	NOTES
–	REC.-GYM	3/4"	10	10	10	20/1	1	0.9/.72				2	20/1	10	10	10	3/4"	REC.-GYM	–
–	REC.-GYM	3/4"	10	10	10	20/1	3			.54/.54		4	20/1	10	10	10	3/4"	REC.-GYM	–
–	REC.-GYM	3/4"	10	10	10	20/1	5				.54/1.0	6	20/1	10	10	10	3/4"	EQUIP.-SCOREBOARD	–
–	REC.-SCORE TABLE	3/4"	10	10	10	20/1	7	.36/.54				8	20/1	10	10	10	3/4"	REC.-GIRL REST RM.	–
–	REC.-VESTIBULE	3/4"	10	10	10	20/1	9		.54/.54			10	20/1	10	10	10	3/4"	REC.-BOYS REST RM.	–
–	REC.-CONCESSION	3/4"	10	10	10	20/1	11			1.0/1.0		12	20/1	10	10	10	3/4"	REC.-CONCESSION	–
–	REC.-CONCESSION	3/4"	10	10	10	20/1	13	1.0/1.0				14	20/1	10	10	10	3/4"	REC.-CONCESSION	–
–	REC.-CONCESSION	3/4"	10	10	10	20/1	15		1.0/1.0			16	20/1	10	10	10	3/4"	REC.-CONCESSION	–
–	REC.-CONCESSION	3/4"	10	10	10	20/1	17			1.0/1.0		18	20/1	10	10	10	3/4"	REC.-CONCESSION	–
–	REC.-STORAGE RM.	3/4"	10	10	10	20/1	19	.72/.54				20	20/1	10	10	10	3/4"	REC.-STORAGE RM	–
–	EF-3	3/4"	10	10	10	20/1	21		1.0/.54			22	20/1	10	10	10	3/4"	REC.-ROOF TOP	–
–	–	–	–	–	–	–	23				–/–	24	–	–	–	–	–	–	–
							25	1.3/–				26	–	–	–	–	–	–	–
–	WATER HEATER	1"	10	10	10	30/3	27		1.3/–			28	–	–	–	–	–	SPACE	–
							29			1.3/–		30	–	–	–	–	–	SPACE	–
–	SPACE	–	–	–	–	–	31	–/–				32	–	–	–	–	–	SPACE	–
–	SPACE	–	–	–	–	–	33		–/–			34	–	–	–	–	–	SPACE	–
–	SPACE	–	–	–	–	–	35			–/–		36	–	–	–	–	–	SPACE	–
–	SPACE	–	–	–	–	–	37	–/–				38	–	–	–	–	–	SPACE	–
–	SPACE	–	–	–	–	–	39		–/–			40	–	–	–	–	–	SPACE	–
–	SPACE	–	–	–	–	–	41			–/–		42	–	–	–	–	–	SPACE	–
							TOTALS		7.1	6.2	7.5								

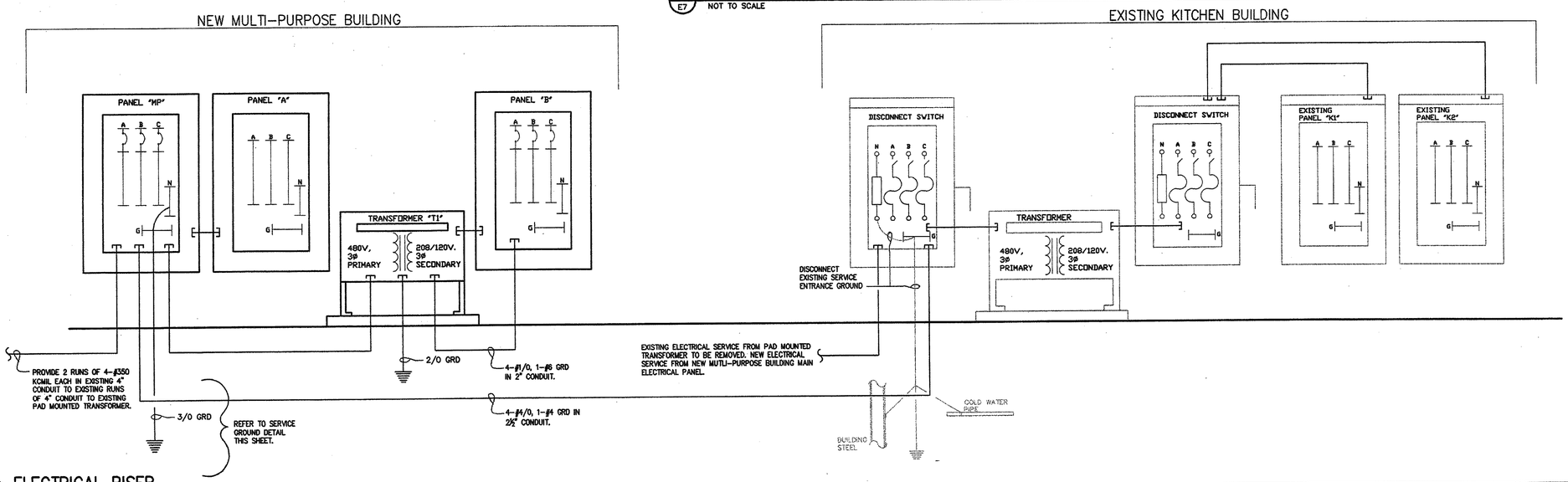
NOTES:
1. –
2. –
3. –



2 E7 LIGHTING CONTACTOR DETAIL
NOT TO SCALE



3 E7 ELECTRICAL SERVICE GROUND
NOT TO SCALE



1 E7 ELECTRICAL RISER
NOT TO SCALE

DRAWN:
SCALE:
MULTI-PURPOSE BUILDING FOR
NORTHLAKE CHRISTIAN SCHOOL
70104 WOLVERNE DRIVE
COVINGTON, LOUISIANA 70433
FILE:

MULTI-PURPOSE BUILDING FOR
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