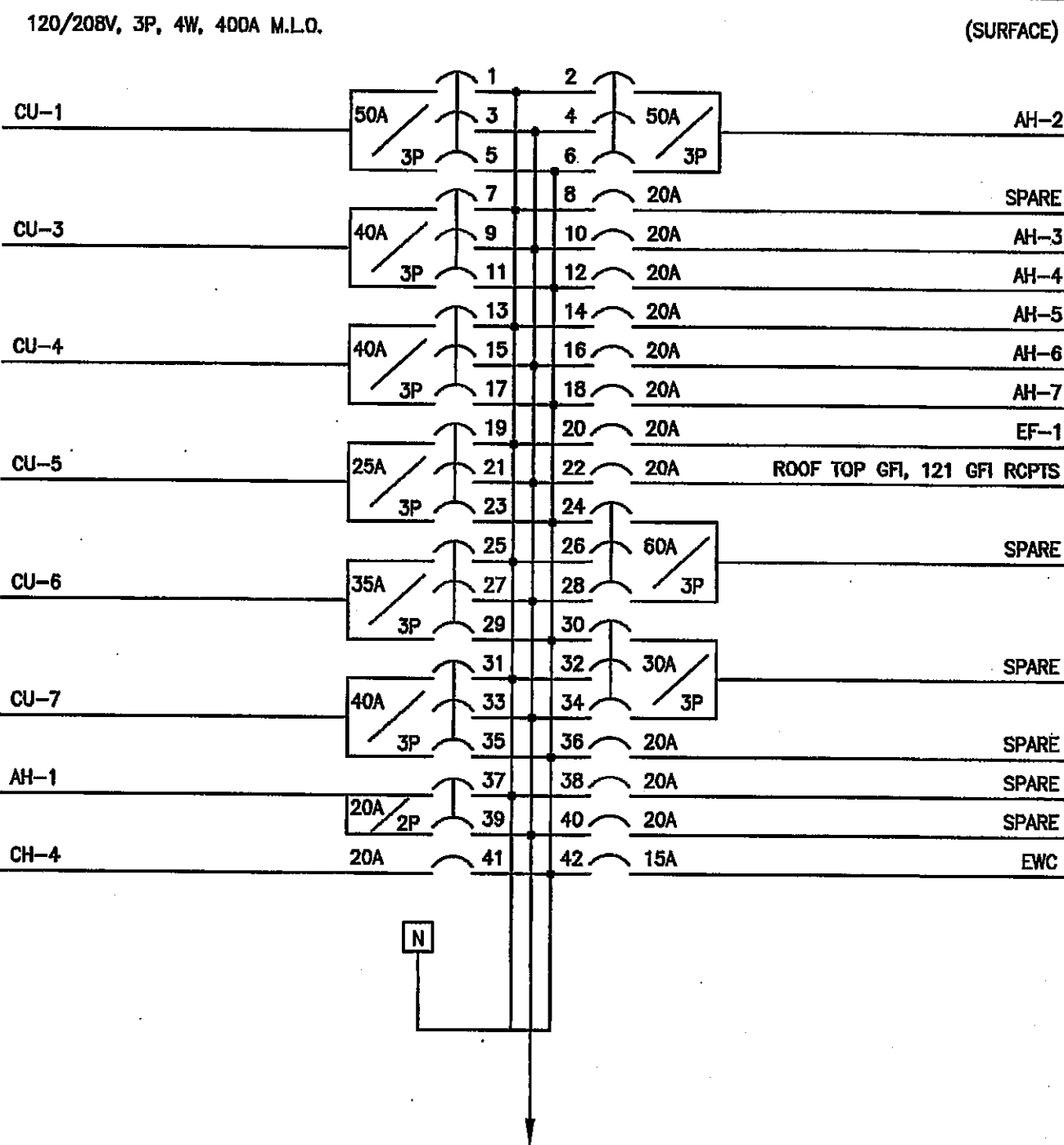
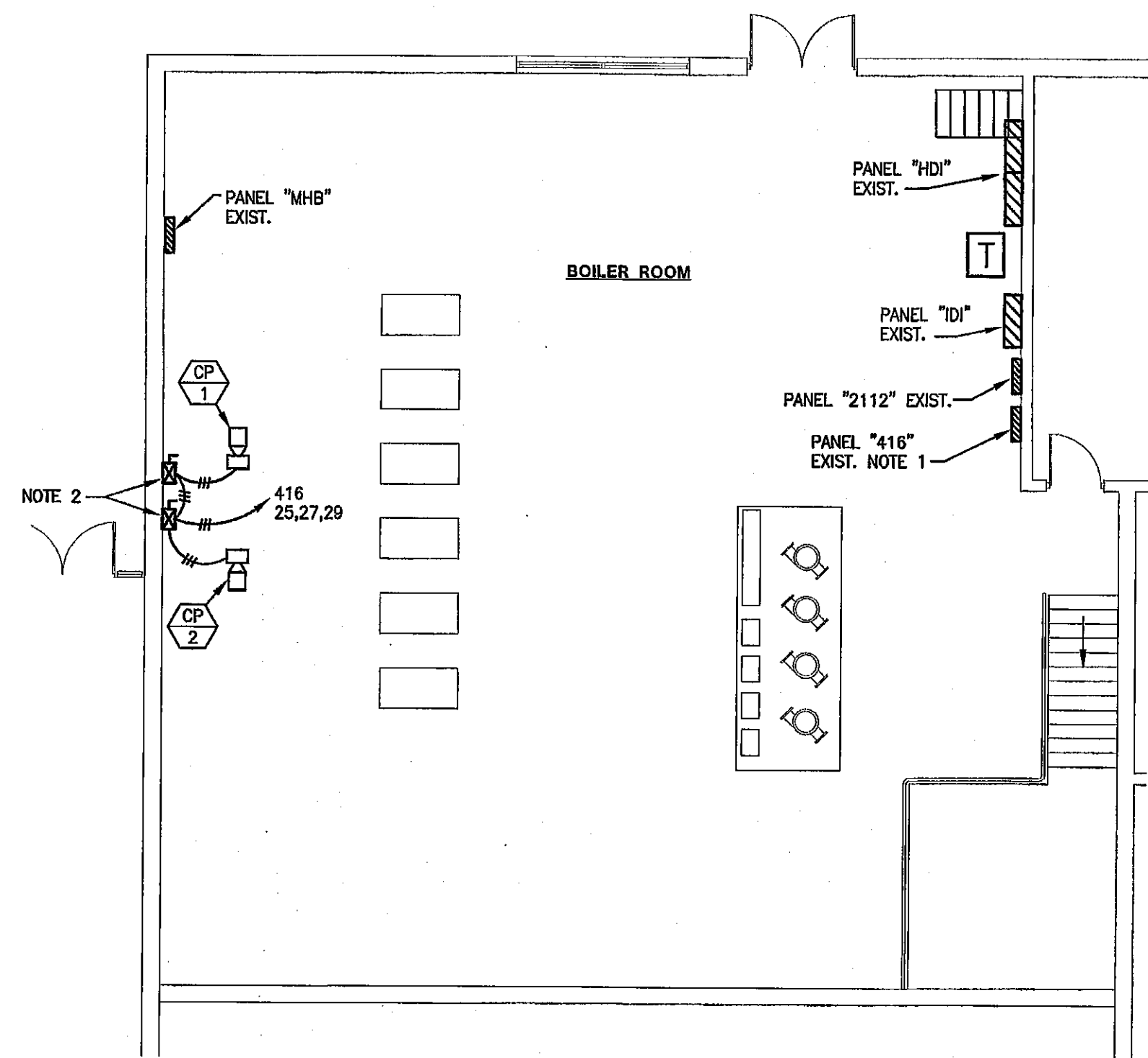
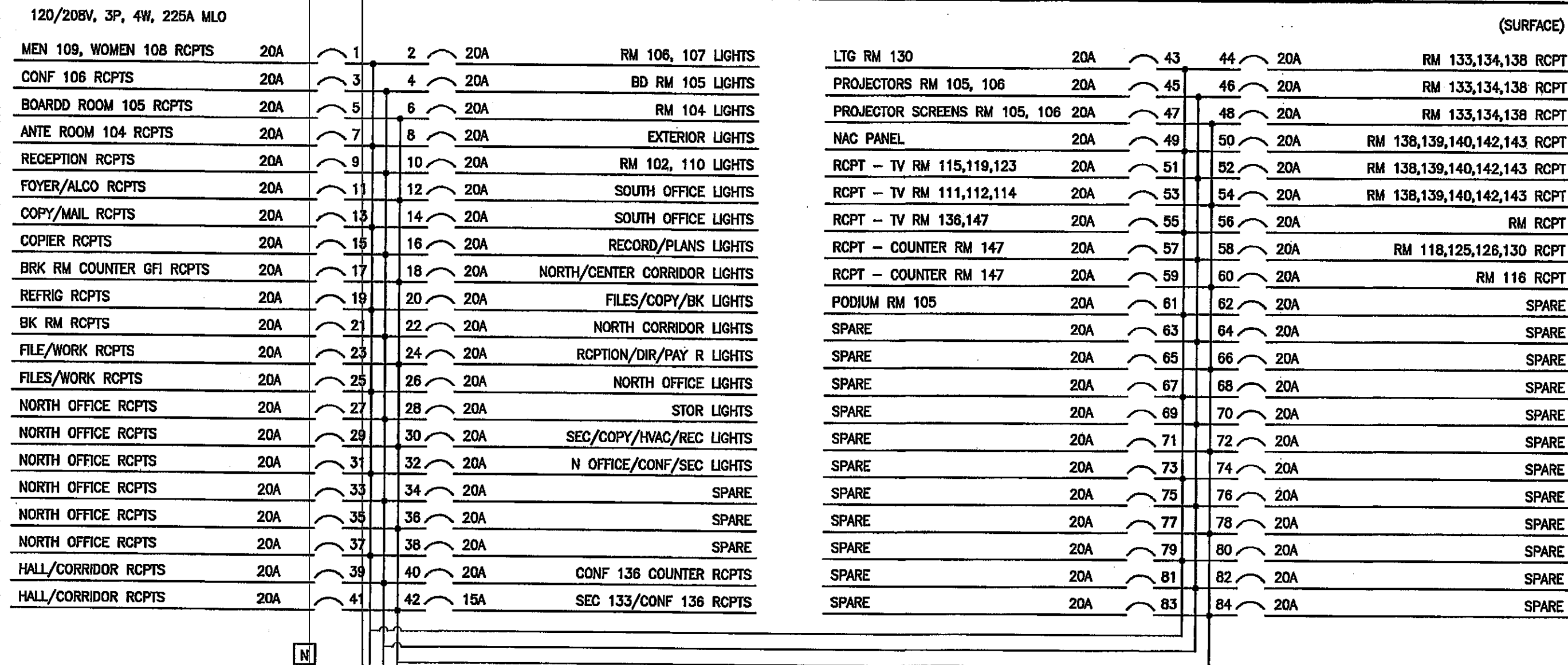


PANEL ME-1



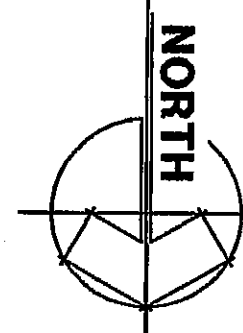
PANEL LP-Z



- PLAN NOTES
1. FURNISH AND INSTALL (1) 20A/3P BREAKER IN EXISTING SQUARE D, NF PANELBOARD.
 2. STARTERS SHALL BE 600V, NEMA-1, WITH FUSES FOR MOTOR OVER CURRENT PROTECTION. OVERLOAD ELEMENTS SHALL BE BI-METALLIC, 120V COIL, RED-ON/GREEN-OFF PILOT LIGHTS AND HAND-OFF. AUTO SWITCH, FURNISH WITH (1) NO/NC AUX. RELAY.

BOILER ROOM PLAN

1/8"=1'-0"



LIGHTING FIXTURE SCHEDULE

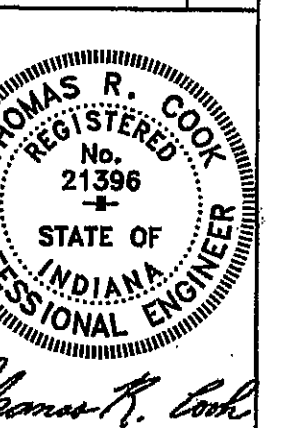
SYMBOL	DESCRIPTION	LAMP		VOLT.	MOUNTING	CEILING TYPE	MANUFACTURER	MANUFACTURER	MANUFACTURER	REMARKS
		#	TYPE							
A	2'x4' SPEC GRADE FLUORESCENT TROFFER WITH STEEL HOUSING, BAKED WHITE ENAMEL FINISH, FULLY GASKETED FLUSH WHITE STEEL DOOR, .125" ACRYLIC PRISMATIC LENS AND R.S. ELECTRONIC BALLAST WITH THD<10%.	2	F32T8 4100K RAPID START	120	CEILING RECESSED	2' x 4' GRID	COLUMBIA JTB24-332G-FS-A12.125-EBBLH120	LITHONIA 2618-232-A12125-120-GE810RS	METALUX 26RB-232-A125-120V-ER81	OR PRE APPROVED EQUAL
B	2'x4' SPEC GRADE FLUORESCENT TROFFER WITH STEEL HOUSING, BAKED WHITE ENAMEL FINISH, 3" 18 CELL SPECULAR PARABOLIC LOUVER, (2) BALLAST COVERS AND R.S. ELECTRONIC BALLASTS WITH THD<10%.	3	F32T8 4100K RAPID START	120	CEILING RECESSED	2' x 4' GRID	COLUMBIA P4D24-332G-LS3X6-S-EBLH120-2BC	LITHONIA 2PM3N-G-B-3-32-18LS-120-1/3-GE810RS-2R	METALUX 2EP3GX-332S381-120-ER81-2BC	OR PRE APPROVED EQUAL
C	3' UNDERCABINET FIXTURE WITH STEEL HOUSING, PRISMATIC ACRYLIC LENS AND RS ELECTRONIC BALLAST THD<10%.	1	F25T8 4100K RAPID START	120	SURFACE	NA	COLUMBIA UC36-125-EB8120	LITHONIA 2LIC OP 120 GE810RS	METALUX CL-125-120V-ER8	OR PRE APPROVED EQUAL
D	EXISTING LIGHT FIXTURE	-	-	120	-	-	-	-	-	VERIFY REQUIREMENTS
E	10'x4' LOW PROFILE FLUORESCENT SURFACE MOUNTED LIGHT FIXTURE WITH CLEAR ACRYLIC WRAPAROUND LENS AND RS ELECTRONIC BALLAST THD<10%.	2	F32T8 4100K RAPID START	120	VERIFY	CONCRETE	COLUMBIA W4-232-EBLH120	LITHONIA WD-232-120-GE810RS	METALUX WS-232-A-120-ER81	OR PRE APPROVED EQUAL
F	2'x4' SPEC GRADE FLUORESCENT TROFFER WITH STEEL HOUSING, BAKED WHITE ENAMEL FINISH, 3" FULLY GASKETED FLUSH WHITE STEEL DOOR, .125" ACRYLIC PRISMATIC LENS AND R.S. ELECTRONIC BALLAST WITH THD<10%.	3	F32T8 4100K RAPID START	120	CEILING RECESSED	2' x 4' GRID	COLUMBIA JTB24-332G-FS-A12.125-EBBLH120	LITHONIA 2618-232-A12125-120-GE810RS	METALUX 26RB-332-A125-120V-ER81	OR PRE APPROVED EQUAL
G	4'SQ X 4'L MULTIPURPOSE WALL BRACKET WITH STEEL HOUSING, CLEAR PRISMATIC ACRYLIC WRAPAROUND LENS AND RS ELECTRONIC BALLAST THD<10%.	2	F32T8 4100K RAPID START	120	WALL SURFACE	CONCRETE	COLUMBIA W4-232-EBLH120	LITHONIA WD-232-120-GE810RS	METALUX WC-232-A-120-ER81	OR PRE APPROVED EQUAL
H	2'x4' SPEC GRADE FLUORESCENT TROFFER WITH STEEL HOUSING, BAKED WHITE ENAMEL FINISH, 3" 12 CELL SPECULAR PARABOLIC LOUVER, AND R.S. ELECTRONIC BALLASTS WITH THD<10%.	3	F32T8 4100K RAPID START	120	CEILING RECESSED	2' x 4' GRID	COLUMBIA P4D24-332G-LS2X6-S-EBLH120	LITHONIA 2PM3N-G-B-3-32-12LS-120-1/3-GE810RS	METALUX 2EP3GX-332S281-120-ER81	OR PRE APPROVED EQUAL
I	6" COMPACT FLUORESCENT DOWNLIGHT WITH CLEAR ALZAK LOW IRIDESCENT OPEN REFLECTOR AND TRIM RING, HORIZONTAL LAMPING, T-BAR CEILING HANGERS, AND ELECTRONIC BALLAST.	2	26W DTT	120	CEILING RECESSED	2' x 4' GRID	PRESCOLITE CRF826EB-ST372ASS-B24	GOTHAM AF-226-6AR-LD-120-GE810	PORTFOLIO CB226C-6251-LI-HB26	OR PRE APPROVED EQUAL
J	11" COMPACT FLUORESCENT CLOSET LIGHT WITH OPAL ACRYLIC LENS AND BLACK HOUSING AND MAGNETIC BALLAST.	2	13W DTT	120	CEILING SURFACE	VERIFY	LITE FORMS 9458 120V NPF	GOTHAM 10970 130TT	HALO H2552FL28	OR PRE APPROVED EQUAL
K	6" INCANDESCENT DOWNLIGHT WITH CLEAR ALZAK LOW IRIDESCENT OPEN REFLECTOR AND TRIM RING, HORIZONTAL LAMPING AND T-BAR CEILING HANGERS.	1	150W A21	120	CEILING RECESSED	2' x 4' GRID	PRESCOLITE INC800-ST1602-B24	GOTHAM A6-AR	PORTFOLIO HD6-6700-L1-HB26	OR PRE APPROVED EQUAL
L	13" DIA. FULL FACE, SURFACE MOUNTED H.L.D. FIXTURE, DIE CAST ALUMINUM BASE PLATE WITH DARK BRONZE FINISH, SILICONE GASKETING, UV STABILIZED CLEAR POLYCARBONATE LENS, HPF BALLAST.	1	50W MH	120	CANOPY SURFACE	-	LUMINAIRE ARV 13-MH50120-CP-DBRZ	KEWALL MR13STD S DB 50M 1 120	-	OR PRE APPROVED EQUAL
M	MATTE BLACK DIE-CAST ALUMINUM EXIT SIGN, WITH BRUSHED ALUMINUM FACE, RED LETTERS, MAINTENANCE FREE NICKEL-CADMIUM BATTERY WITH SELF DIAGNOSTICS, AND UNIVERSAL MOUNTING, FACES AS INDICATED ON PLANS.	-	LED	120	UNIVERSAL	VARIES	DAUL-LITE SE RBNEI	LITHONIA LE S-X R120/277 ELNSD	SURE-LITES CX-7-70-R-SD	OR PRE APPROVED EQUAL

NOTES

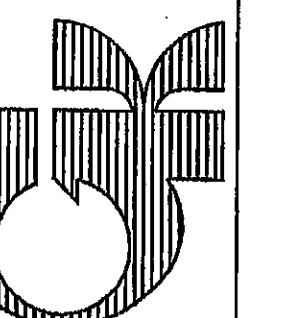
1. WHERE DISCREPANCIES BETWEEN DESCRIPTION AND PART NUMBER EXIST, THE GREATER QUANTITY OR BETTER QUALITY SHALL PREVAIL.
2. FOR FIXTURE APPROVAL, SUBMIT CATALOG CUTS AND PHOTOMETRIC INFORMATION IN ACCORDANCE WITH THE SPECIFICATIONS.
3. PROVIDE T BAR CLIPS AND SUPPORTS FOR FOR L.I.G. FIXTURES PER SPECIFICATIONS.
4. FIXTURES DESIGNATED ON PLANS AS "NL" SHALL BE CONNECTED TO AN UNSWITCHED CIRCUIT.
5. ALL RECESSED LIGHT FIXTURES SHALL BE ONE HOUR RATED.
6. ALL ACRYLIC LENSES SHALL BE A MINIMUM 1/8" THICK.
7. ALL ELECTRONIC BALLASTS TO BE RAPID START AND THD <10%. UNLESS OTHERWISE NOTED.
8. ALL EXIT/EMERGENCY LIGHTS SHALL BE CONNECTED TO LOCAL UNSWITCHED LIGHTING CIRCUIT.
9. ALL FIXTURES SHALL BE SPECIFICATION GRADE. COMMERCIAL OR RESIDENTIAL GRADE SHALL NOT BE ACCEPTED.

M/E DESIGN SERVICES
MECHANICAL/ELECTRICAL CONSULTING ENGINEERS
120 South Hill Street
Mishawaka, Indiana 46544
(574) 258-1914
JOB NO. 5021

REVISIONS	BY



LIGHTING SCHEDULE, ELECTRICAL PANEL
NEW DUNELAND ADMINISTRATION CENTER
DUNELAND SCHOOL CORPORATION
gerometta & kinel architects, inc.
CHESTERTON, IN
chesterton, indiana



DATE	10-06-04
SCALE	AS SHOWN
DRAWN	JLH
JOB	2103
SHEET	E-8
OF	SHEETS