

**1 ELECTRICAL PLAN**  
1/8" = 1'-0"

**EXISTING PANEL SCHEDULE**

SWITCHBOARD 'DP-1A'		277/480 V. 3Ø 4W, 1600 AMP.	
SURFACE MOUNTED		PANEL TYPE: NEMA I	
		10,000 AMP. A.I.C.	
CIRCUIT DESCRIPTION	C.B. SIZE	3P-1600 A.T. M.C.B.	C.B. SIZE
SPACE	-	-	SPACE
SPACE	-	-	SPACE
SPACE	-	-	SPACE
SPARE	50	50	TP 1B
RP 1A	50	50	RP 1B
X FMR RIB	70	70	TP 1A
RP 1C	110	100	LP 1B
PANEL 'BL'	250 (3P)	150	LP 1A
FDP	175	175	STP 1
SPACE	-	400	HP 1B
HP 1A	800	-	SPACE
SPACE	-	-	SPACE

**PROPOSED PANEL SCHEDULE 'BH'**

PANELBOARD 'BH'		277/480 V. 3Ø 4W, 250 AMP.	
SURFACE MOUNTED		PANEL TYPE: NEMA 3R	
		30,000 AMP. A.I.C.	
CIRCUIT DESCRIPTION	C.B. SIZE	3P-250 A.T. M.C.B.	C.B. SIZE
FIELD LIGHTS POLE A1	30	1 2 3 4	2 3 4
FIELD LIGHTS POLE B1	60	7 8 9 10	6 7 8 9 10
FIELD LIGHTS POLE B2	60	11 12 13 14	10 11 12 13 14
XFMR & PANEL 'BL'	25	15 16 17 18	-
SPACE	-	19 20 21 22	-
		23 24 25 26	-
		27 28 29 30	-

**PROPOSED PANEL SCHEDULE 'BL'**

PANELBOARD 'BL'		120/208 V. 1Ø 3W, 100 AMP.	
SURFACE MOUNTED		PANEL TYPE: NEMA 3R	
		10,000 AMP. A.I.C.	
CIRCUIT DESCRIPTION	C.B. SIZE	2P-60 A.T. M.C.B.	C.B. SIZE
3RD BASE DUGOUT LIGHTS	20	1 2	20 CONTROL POWER FOR MUSCOO PANEL
3RD BASE DUGOUT RECEPT.	20	3 4	20 SPARE
1ST BASE DUGOUT LIGHTS	20	5 6	20 SPARE
1ST BASE DUGOUT RECEPT.	20	7 8	20 SPARE
SPACE	-	9 10	20 SPARE
		11 12	-
		13 14	-
		15 16	-

**GENERAL ELECTRICAL NOTES**

THE LOCATION OF EQUIPMENT FEEDERS, ETC. AS GIVEN ON THE DRAWINGS, IS APPROXIMATELY CORRECT BUT IT SHALL BE UNDERSTOOD THAT THEY ARE SUBJECT TO SUCH MODIFICATION AS MAY BE FOUND NECESSARY OR DESIRABLE AT THE TIME OF INSTALLATION IN ORDER TO MEET STRUCTURAL REQUIREMENTS. SUCH CHANGES SHALL BE MADE WITHOUT EXTRA CHARGE.

ANY ITEM OF LABOR OR EQUIPMENT NOT SPECIFIED IN DETAIL BY THE SPECIFICATIONS OR INDICATED ON THE DRAWINGS BUT WHICH IS INCIDENTAL TO OR NECESSARY FOR THE COMPLETE INSTALLATION AND PROPER OPERATION OF THE SEVERAL BRANCHES OF THE WORK DESCRIBED HEREIN OR REASONABLY IMPLIED SHALL BE FURNISHED AS IF CALLED FOR IN DETAIL.

ALL WORK SHALL BE IN STRICT CONFORMANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.

THIS CONTRACTOR SHALL OBTAIN AND PAY ALL FEES FOR PERMITS AND APPROVALS FROM AUTHORITIES HAVING JURISDICTION.

THIS CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND LABOR FOR ONE YEAR FROM THE FINAL ACCEPTANCE DATE OF THE OWNER.

THIS CONTRACTOR SHALL LOCATE SWITCHES 3'-10" A.F.F., RECEPTACLES 1'-6" A.F.F. AND PANELS 6'-6" TO TOP BREAKER.

FEEDERS AND BRANCH CIRCUITS SHALL BE INSTALLED AS FOLLOWS:  
 A) EXPOSED OR CONCEALED (INDOORS) = EMT  
 B) EXPOSED (OUTDOORS) = IMC (INTERMEDIATE METAL CONDUIT)  
 C) BURIED IN EARTH = PVC (SCH 80), IMC

JUNCTION BOXES SHALL BE STEEL 16" x 16" x 8" D. WITH SCREW COVER.

WIRE SHALL BE "THIN", "THIN", #12 GAUGE COPPER, MINIMUM SIZE.

PANELS SHALL BE SQUARE D, OR EQUAL BY GENERAL ELECTRIC OR SIEMENS. PROVIDE TYPE-WRITTEN DIRECTORY.  
 TRANSFORMER, CONTACTOR CABINET, SHALL BE RATED FOR NEMA 3R.

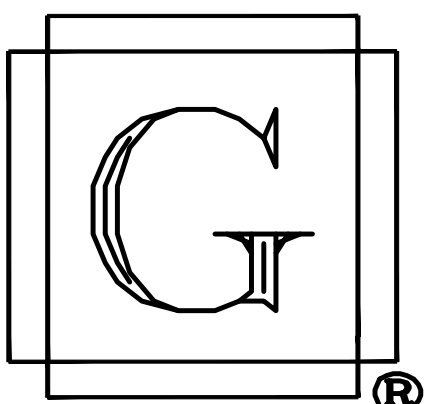
SAFETY SWITCHES SHALL BE HEAVY DUTY, SQUARE D OR EQUAL BY GENERAL ELECTRIC, OR SIEMENS.

FUSES SHALL BE AS MANUFACTURED BY BUSBMAN.

PLATES ON CONCEALED OUTLETS SHALL BE STAINLESS STEEL.

GROUNDING SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.

ALL ELECTRICAL COMPONENTS AND SYSTEMS AND THEIR ATTACHMENTS SHALL BE INSTALLED FOR SEISMIC FORCES. REFER TO INTERNATIONAL BUILDING CODE LATEST NJ EDITION.



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- STRUCTURAL
- CONSTRUCTION
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**SYNTHETIC TURF FIELD AND FIELD LIGHTING**

**AT THE MT. OLIVE HIGH SCHOOL**

**FOR THE MT. OLIVE BOARD OF EDUCATION**

**MORRIS COUNTY NEW JERSEY**

**ELECTRICAL PLAN**

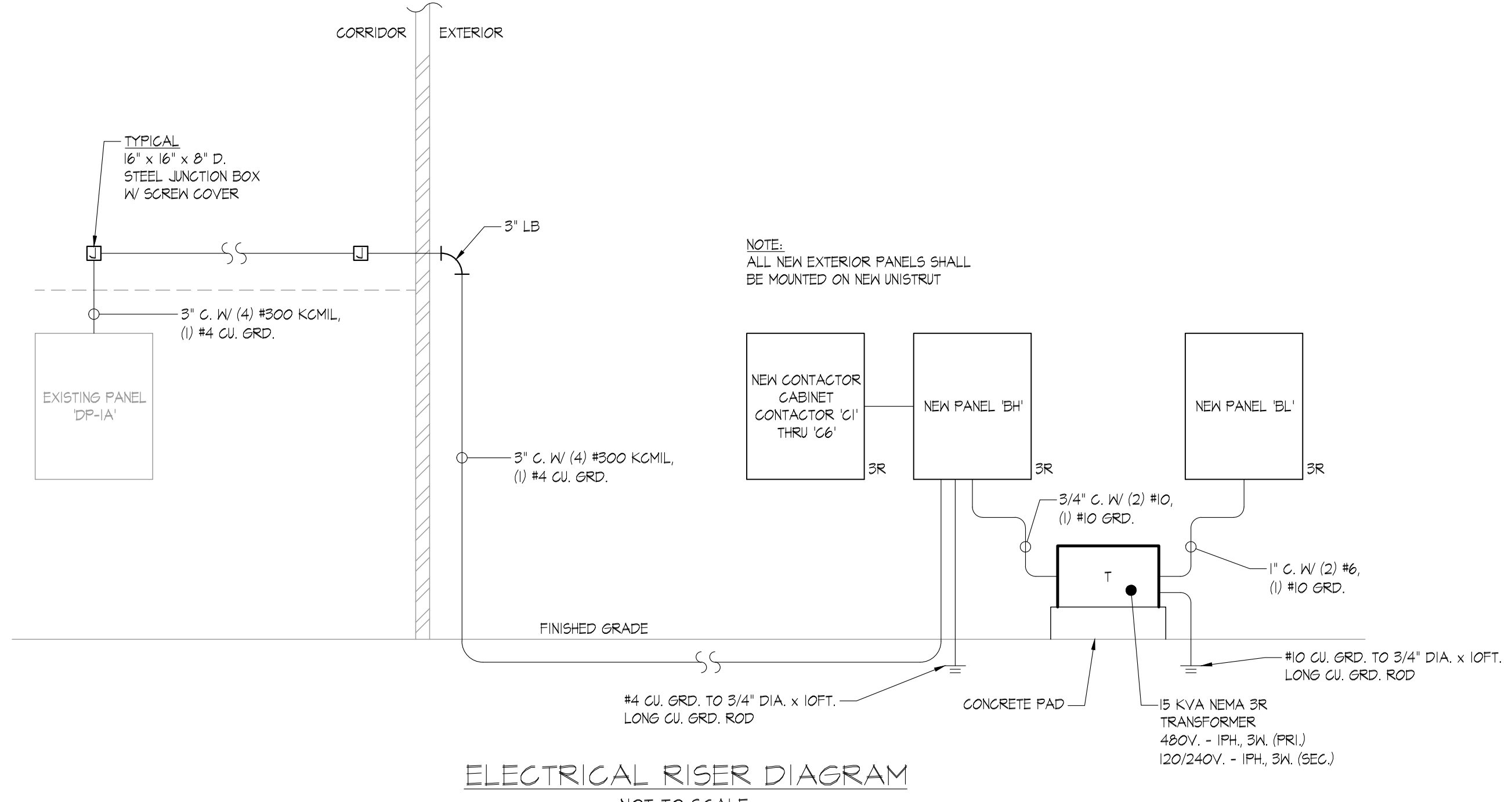
SCALE: AS NOTED

DATE	DRAWN
8/12/21	MOG
	CHECKED
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REVISION

**E-1**



**ELECTRICAL RISER DIAGRAM**  
NOT TO SCALE