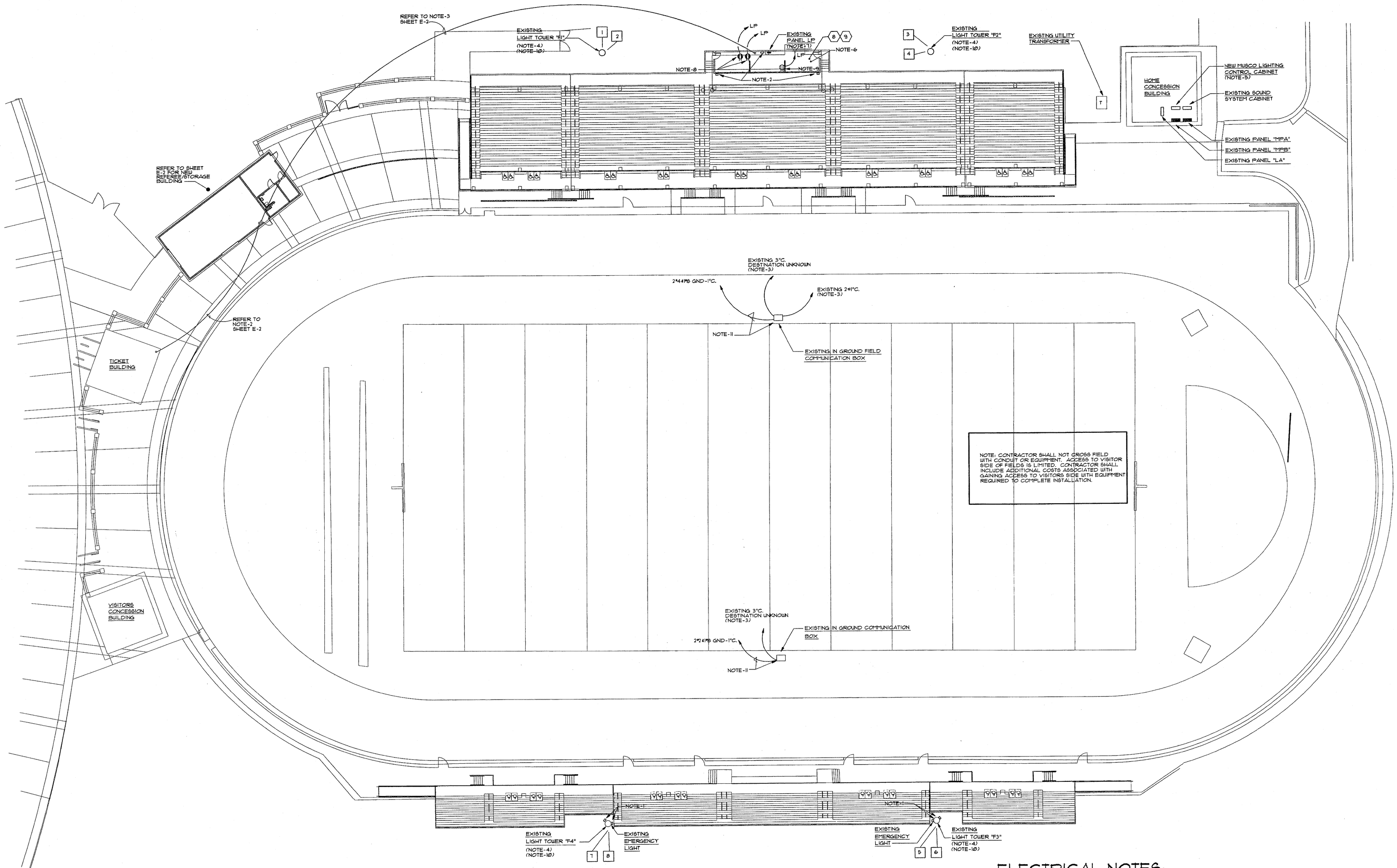

1 / E-1 FIELD PLAN - ELECTRICAL

SCALE: 1"=20'-0"

LIGHT TOWER ELECTRICAL CONNECTION SCHEDULE (NOTE-4)

KEY NOTE	DESCRIPTION	VOLTS	PH	KVA	CIRCUIT	FEEDER	REMARKS
1	LIGHT TOWER F1	480	3	18.4	MPA-13,5 30A/3P *	3 * 8 & 1 * 10 GROUND-1"C. **	ROUTE CIRCUIT THRU LIGHTING CONTROL PANEL C1
2	LIGHT TOWER F1	480	3	18.4	MPA-7,9,11 30A/3P *	3 * 8 & 1 * 10 GROUND-1"C. **	ROUTE CIRCUIT THRU LIGHTING CONTROL PANEL C1
3	LIGHT TOWER F2	480	3	18.4	MPA-13,15,17 30A/3P *	3 * 8 & 1 * 10 GROUND-1"C. **	ROUTE CIRCUIT THRU LIGHTING CONTROL PANEL C1
4	LIGHT TOWER F2	480	3	18.4	MPA-19,21,23 30A/3P *	3 * 8 & 1 * 10 GROUND-1"C. **	ROUTE CIRCUIT THRU LIGHTING CONTROL PANEL C1
5	LIGHT TOWER F3	480	3	15.4	MPA-2,4,6 30A/3P *	3 * 6 & 1 * 10 GROUND-1"C. **	ROUTE CIRCUIT THRU LIGHTING CONTROL PANEL C1
6	LIGHT TOWER F3	480	3	15.4	MPA-8,10,12 30A/3P *	3 * 6 & 1 * 10 GROUND-1"C. **	ROUTE CIRCUIT THRU LIGHTING CONTROL PANEL C1
7	LIGHT TOWER F4	480	3	15.4	MPA-14,16,18 20A/3P *	3 * 6 & 1 * 10 GROUND-3/4"C. **	ROUTE CIRCUIT THRU LIGHTING CONTROL PANEL C1
8	LIGHT TOWER F4	480	3	15.4	MPA-20,22,24 30A/3P *	3 * 6 & 1 * 10 GROUND-3/4"C. **	ROUTE CIRCUIT THRU LIGHTING CONTROL PANEL C1

* REPLACE EXISTING 50A/3P BREAKER IN "MPA" WITH NEW 30A/3P BREAKER. MATCH AIC RATING.

** REUSE EXISTING CONDUIT PREVIOUSLY SERVING LIGHT POLES. REMOVE OLD CONDUCTORS AND INSTALL NEW CONDUCTORS.

LIGHT TOWER FIXTURE SCHEDULE (NOTE-4)

REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT NECESSARILY BE REFLECTED IN CATALOG NUMBER AND/OR DESCRIPTION IN THIS SCHEDULE.

MARK	DESCRIPTION	MOUNTING	VOLT	LAMPS	REMARKS
F1	17#MUSCO * 1500W MZ * 1#1000UMP	EXISTING POLE	480	17#PHILLIPS * M47500 BU (2 LAMPS) 1#1000W INC	REFER TO SPECIFICATIONS FOR ADDITION
F2	17#MUSCO * 1500W MZ * 1#1000UMP1	EXISTING POLE	480	17#PHILLIPS * M47500 BU (2 LAMPS) 1#1000W INC	REFER TO SPECIFICATIONS FOR ADDITION
F3	14#MUSCO * 1500W MZ * 1#1000UMP1	EXISTING POLE	480	14#PHILLIPS *M47500BU (2 LAMPS)	REFER TO SPECIFICATIONS FOR ADDITION
F4	14#MUSCO * 1500W MZ * 1#1000UMP1	EXISTING POLE	480	14#PHILLIPS *M47500BU (2 LAMPS)	REFER TO SPECIFICATIONS FOR ADDITION

ELECTRICAL NOTES:

1. INSTALL ADDITIONAL NEW EMERGENCY FIXURE AND REPLACE EXISTING EMERGENCY FIXTURE MOUNTED ON LIGHT TOWER. CONNECT TO CIRCUIT SERVING EXISTING EMERGENCY LIGHT. LIGHT SHALL BE EMERGI-LITE G12SV54M-2M1U-D.
2. REMOVE EXISTING EMERGENCY LIGHT FIXTURES FROM PRESSBOX. INSTALL NEW EMERGI-LITE * G12SV54M-2M1U-D EMERGENCY LIGHT FIXTURES, CONNECT TO NEAREST UNSWITCHED LIGHT CIRCUIT.
3. CONTRACTOR SHALL TRACE CONDUIT TO DETERMINE DESTINATION & REPORT TERMINATION POINT TO THIS ENGINEER. INSTALL PULL WIRE IN CONDUIT.
4. REMOVE AND DISPOSE OF EXISTING LIGHT FIXTURES ASSOCIATED HARDWARE, CAGES AND CATWALKS ON EXISTING LIGHT TOWERS. COORDINATE DISPOSAL WITH SCHOOL REPRESENTATIVE. INSTALL NEW MUSCO LIGHTING AND CONTROL SYSTEM AS DESCRIBED IN SPECIFICATIONS AND LIGHT TOWER FIXTURE SCHEDULE. INSTALL NEW FEEDERS TO EXISTING LIGHT TOWERS AS DESCRIBED IN LIGHT TOWER ELECTRICAL CONNECTION SCHEDULE. ROUTE FEEDERS THRU NEW MUSCO LIGHTING CONTROL CABINET.
5. RELOCATE EXISTING CONDUITS PULL BOXES ETC. REQUIRED TO INSTALL CONTROL CABINET.
6. RELAMP AND CLEAN EXISTING LIGHT FIXTURES IN PRESS BOX.
7. INSTALL GFIC BREAKERS FOR EXISTING AND NEW RECEPTACLES SERVED FROM PRESSBOX PANEL. INSTALL ADDITIONAL NEUTRAL CONDUCTORS WHERE REQUIRED.
8. INSTALL QUADRAPLEX RECEPTACLE FOR SOUND EQUIPMENT AND DATA EQUIPMENT. INSTALL ADJACENT TO ASSOCIATED EQUIPMENT.
9. INSTALL WEATHER PROOF DUPLEX RECEPTACLE ON PRESS BOX ROOF. COORDINATE LOCATION AND INSTALLATION.
10. CONTRACTOR SHALL PRICE THE FOLLOWING AS FIELD LIGHTING CREDIT ALTERNATE * 1: CONTRACTOR SHALL REPLACE LAMPS OF EXISTING FIXTURES, REPLACE OR REPAIR MALFUNCTING BALLASTS, CLEAN LENSES AND REFLECTORS OF ALL FIXTURES ON LIGHT TOWER. ALL LAMPS SHALL BE REPLACED REGARDLESS OF IF THEY ARE BLOWN OR NOT. THIS ALTERNATE PRICE SHALL BE GIVEN AS A CREDIT AMOUNT TO THE BASE BID FOR PERFORMING WORK DESCRIBED IN NOTE-10 IN LIEU OF WORK DESCRIBED IN NOTE-4.
11. INSTALL 1/P. GFIC RECEPTACLE IN EXISTING FIELD BOX. INSTALL NEW CONDUIT UNDER ARTIFICIAL FIELD. CONTRACTOR SHALL BORE UNDER ARTIFICIAL FIELD TO PREVENT DAMAGE TO FIELD. IF TRENCHING IS REQUIRED, CONTRACTOR IS RESPONSIBLE FOR RESTORING ARTIFICIAL FIELD TO LIKE NEW CONDITION. CONNECT TO A NEW 20A/1P BREAKER IN EXISTING PANLE "LA" IN HOME SIDE CONCESSION BUILDING. VISITOR SIDE RECEPTACLE CIRCUIT SHALL BE ROUTED AROUND FIELD.

GEORGIA REGISTERED No. 7090 PROFESSIONAL ENGINEER GERALD E. ROBERDS

08/26/09

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PROJECT NO.

09102

SHEET TITLE

FIELD PLAN- POWER

SHEET NO.

E-1

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