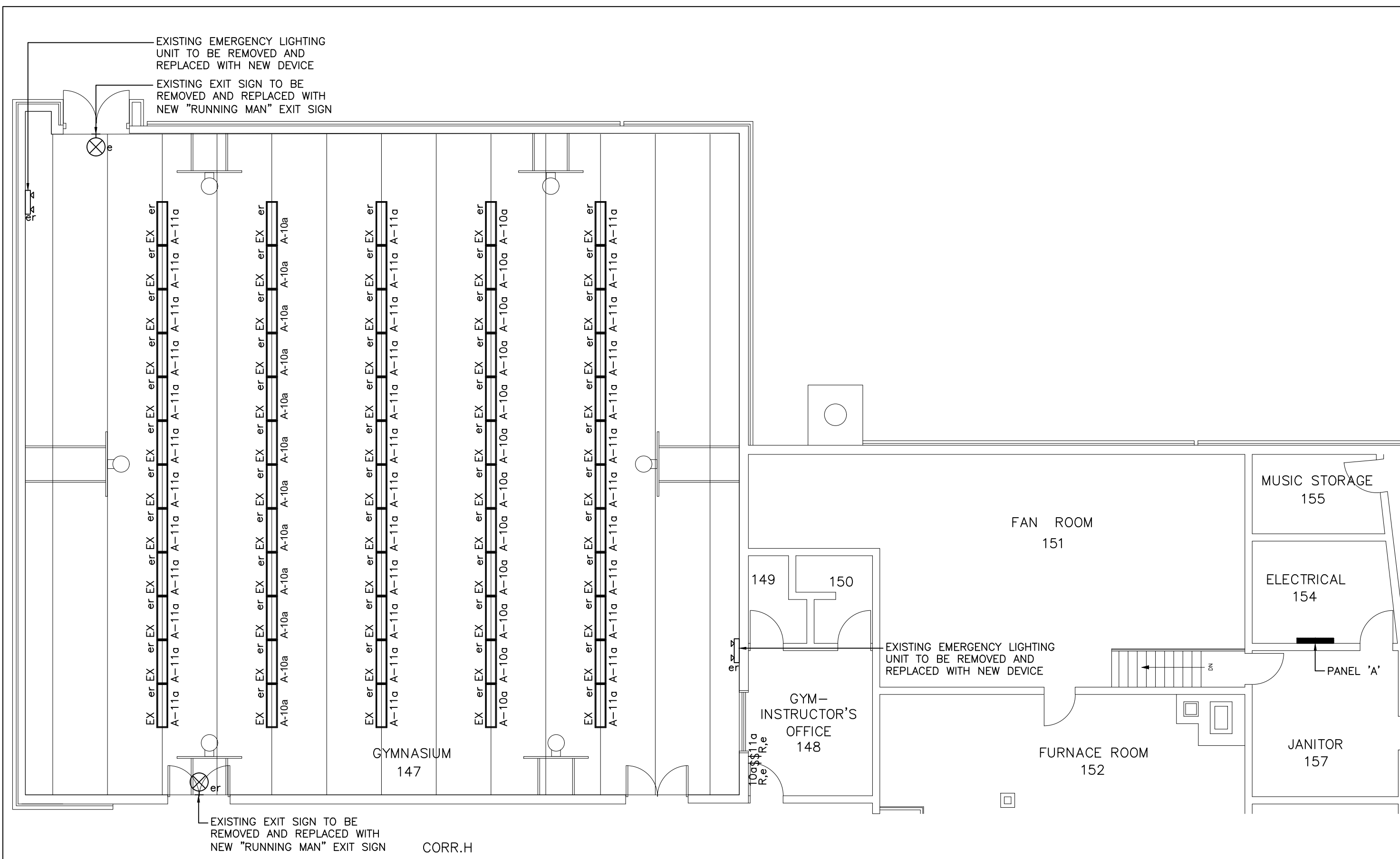
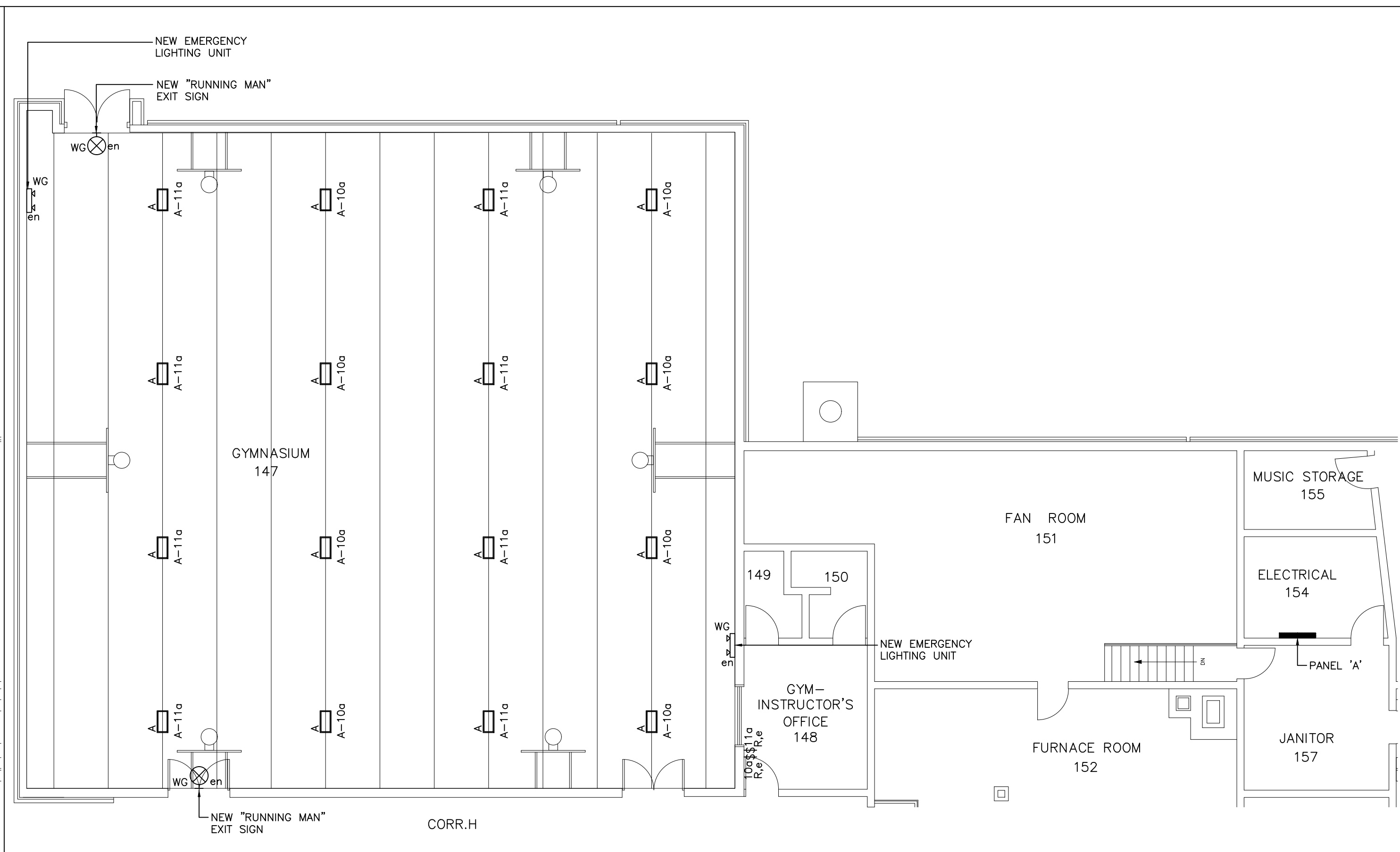


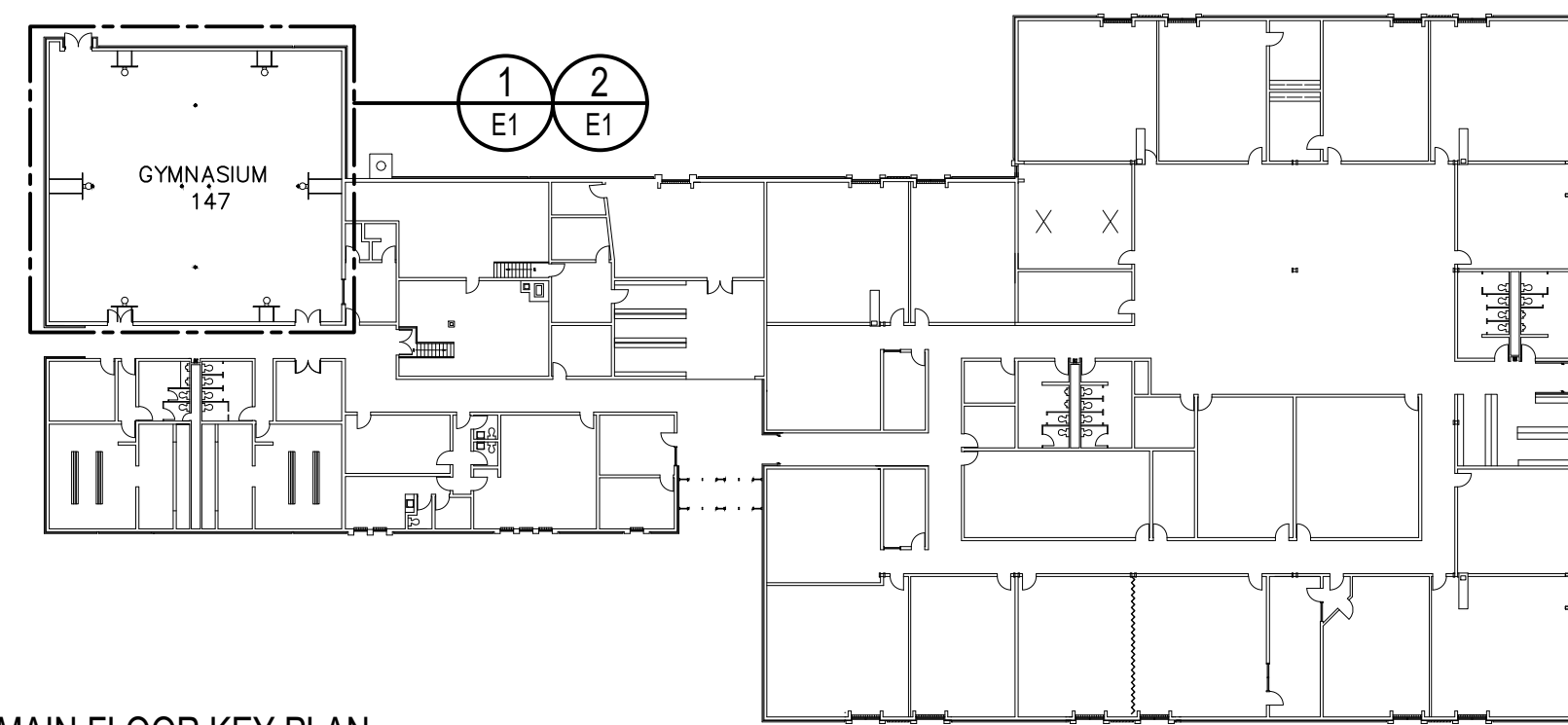
METRIC A1 AEC



1 PARTIAL DEMO LIGHTING FLOOR PLAN
E1 SCALE : 1:100



2 PARTIAL NEW LIGHTING FLOOR PLAN
E1 SCALE : 1:100



3 MAIN FLOOR KEY PLAN
E1 SCALE : 1:500

LEGEND:

	RELAY SWITCHES
	PANEL AS NOTED, SURFACE MOUNTED
	EXISTING DEVICE LOCATION
	EXISTING DEVICE TO BE REMOVED
	NEW DEVICE INSTALLED WITH EXISTING WIRING
	WIRE GUARD
	LED GYM LIGHTING FIXTURE SEE LUMINAIRE SCHEDULE FOR DESCRIPTION
	LED EXIT LIGHT WALL MOUNTED SEE LUMINAIRE SCHEDULE FOR DESCRIPTION SELF POWERED
	EMERGENCY LIGHTING BATTERY UNIT, WALL MOUNTED SEE LUMINAIRE SCHEDULE FOR DESCRIPTION

5 SYMBOL LEGEND
E1 SCALE : N.T.S.

- 1.1 EXAMINATION OF SITE AND CONDITIONS**
- EXAMINE THE SITE AND LOCAL CONDITIONS AFFECTING THE WORK WITH ALL TENDER DOCUMENTS TO ENSURE THE WORK CAN BE SATISFACTORILY PERFORMED AS SHOWN. PRIOR TO COMMENCING WORK, EXAMINE THE WORK OF OTHER DIVISIONS AND REPORT AT ONCE ANY DEFECT OR INTERFERENCE AFFECTING THE WORK OF THIS CONTRACTOR. NO ALLOWANCE WILL BE MADE LATER FOR ANY EXPENSES INCURRED THROUGH FAILURE TO MAKE THIS EXAMINATION OR REPORT ANY DISCREPANCIES IN WRITING.
 - THIS CONTRACTOR IS TO ATTEND ALL SITE MEETINGS PRIOR TO CLOSE OF TENDER TO CONFIRM SCOPE OF WORK.
- 1.2 WORKMANSHIP**
- WORKMANSHIP AND METHOD OF INSTALLATION SHALL CONFORM TO BEST STANDARDS AND PRACTICE AND BE PERFORMED TO THE ENGINEERS APPROVAL BY LICENSED TRADESMEN ONLY SKILLED IN THE WORK OF THIS DIVISION.
- 1.3 COOPERATION AND RESPONSIBILITY**
- INCLUDE FULL RESPONSIBILITY FOR LAYOUT OF ELECTRICAL WORK, FOR DAMAGE CAUSED TO OTHER DIVISIONS OF WORK BY REASON OF IMPROPER LOCATION OR INSTALLATION OF WORK IN ADVANCE OF CONCRETE POURING OR SIMILAR WORK FOR CONDITIONS OF ALL MATERIAL AND EQUIPMENT SUPPLIED UNDER THIS DIVISION AND FOR PROTECTION AND MAINTENANCE OF WORK COMPLETED AND ACCEPTED UNTIL TERMINATION.
 - COOPERATE WITH OTHER DIVISIONS TO ENSURE THAT ITEMS INSTALLED UNDER THIS DIVISION ARE LOCATED IN PROPER RELATION WITH BUILDING CONSTRUCTION, ARCHITECTURAL FINISHES AND WITH OTHER EQUIPMENT OR APPARATUS.
 - COMPLETION
 - LEAVE ALL NEW AND RELOCATED EQUIPMENT CLEAN, FREE OF CONSTRUCTION DEBRIS AND OTHER FOREIGN MATTER.
 - PROVIDE "AS BUILT DRAWINGS", LETTER OF WARRANTY, OWNERS MANUAL AND WORKER'S COMPENSATION CLEARANCE CERTIFICATE.
- 1.4 GUARANTEE**
- GUARANTEE MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY ENGINEER, EXCEPT FOR INCANDESCENT LAMPS WHICH SHALL BE GUARANTEED FOR A PERIOD OF 90 DAYS FROM DATE OF FINAL ACCEPTANCE. ALL DEFECTS SHALL BE CORRECTED AND MADE GOOD DURING THIS PERIOD EXCEPT DEFECTS OCCURRING FROM MISUSE BY OWNER.
- 1.5 BY-LAWS AND REGULATIONS**
- CONFORM WITH LATEST RULES, REGULATIONS, AND DEFINITIONS OF THE CANADIAN ELECTRICAL CODE, APPLICABLE MUNICIPAL AND PROVINCIAL CODES AND REGULATIONS AND WITH REQUIREMENTS OF OTHER AUTHORITIES HAVING JURISDICTION IN THE AREA WHERE WORK IS TO BE PERFORMED.
 - STANDARDS ESTABLISHED BY DRAWINGS AND SPECIFICATIONS SHALL NOT BE REDUCED BY ANY CODES REFERRED TO ABOVE AND MINOR CHANGE TO CONTRACT AMOUNT.
- 1.6 CONDUIT AND WIRE**
- BRANCH FEEDERS FROM THE SERVICE DISTRIBUTION AND SUBDISTRIBUTION EQUIPMENT TO PANELS, MAJOR EQUIPMENT, ETC. SHALL BE SIZED AS INDICATED ON THE DRAWINGS. CONDUCTORS IN CONDUIT, TECK OR MINERAL INSULATED CABLE MAY BE USED.
 - BRANCH CIRCUIT WIRING SHALL BE CONDUCTORS IN CONDUIT, WHERE EXPOSED; WHERE SUBJECT TO MECHANICAL DAMAGE; IN CONCRETE, UNDERGROUND; IN CONCRETE BLOCK WALLS; IN WET LOCATIONS; IN HAZARDOUS LOCATIONS AND WHERE INDICATED. ARMOURD CABLE TYPE AC90 (BX) MAY BE USED FOR LIGHT FIXTURE DROPS AND FOR WIRING IN STUD WALLS. FIXTURE DROP LENGTH NOT TO EXCEED 3 METERS IN LENGTH.
 - GROUND ALL ELECTRICAL EQUIPMENT TO CSA STANDARDS AND AS REQUIRED BY LOCAL INSPECTION AUTHORITY.
- 1.7 OUTLET, JUNCTION AND PULL BOXES**
- PROVIDE STEEL BOXES FOR ALL DEVICES OF A SUITABLE SIZE TO PERMIT INSTALLATION OF CONDUCTORS AND DEVICES.
 - INSTALL JUNCTION BOXES IN CONDUIT RUNS AT 100FT. INTERVALS, SIZED TO SUIT NUMBER AND SIZE OF CONDUCTORS.
- 1.8 SAFETY REQUIREMENTS**
- CLEAN SITE OF REGULARLY SCHEDULED TIMES. LEAVE WORK CLEAN BEFORE INSPECTION PROCESS COMMENCES.
 - DO NOT LEAVE THE SITE IN DANGEROUS CONDITION UNDER ANY CIRCUMSTANCE DURING THE PROGRESS OF WORK.
- 1.9 EQUIPMENT LOCATIONS**
- APPROXIMATE LOCATIONS OF ELECTRICAL EQUIPMENT, LIGHTING FIXTURES, SWITCHES, OUTLETS AND THE LIKE ARE SHOWN ON THE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND ROOM ELEVATIONS FOR APPLICATION. IN THE ABSENCE OF DEFINITE DETAILS, THE EXACT LOCATIONS OF OUTLETS SHALL BE DETERMINED ON SITE BY THE ENGINEER AS WORK PROGRESSES WITH ALL OUTLETS ALIGNED VERTICALLY OR HORIZONTALLY AS REQUIRED IN A SYMMETRICAL PATTERN.
 - THE RIGHT IS RESERVED TO ALTER THE LOCATIONS OF EQUIPMENT AND OUTLETS AT DISTANCE OF UP TO 10 FEET (3 METERS) WITHOUT INVOLVING A CHANGE TO THE CONTRACT AMOUNT PROVIDED NOTICE IS GIVEN PRIOR TO INSTALLATIONS OF SAME.
 - OUTLETS AND FIXTURES SHALL BE LOCATED CENTERED IN WALL PANELS, CEILING PANELS, TILES OR COLUMNS, BETWEEN OR ABOVE DOORS AND THE LIKE. LOCAL SWITCHES FOR CONTROL OF LIGHTING SHALL GENERALLY BE INSTALLED ON THE LOCK SIDE OF DOORS UNLESS OTHERWISE NOTED, WITH LOCATIONS VERIFIED ON THE SITE PRIOR TO INSTALLATION.
- 1.10 GUARANTEE**
- GUARANTEE MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY ENGINEER, EXCEPT FOR INCANDESCENT LAMPS WHICH SHALL BE GUARANTEED FOR A PERIOD OF 90 DAYS FROM DATE OF FINAL ACCEPTANCE. ALL DEFECTS SHALL BE CORRECTED AND MADE GOOD DURING THIS PERIOD EXCEPT DEFECTS OCCURRING FROM MISUSE BY OWNER.
- 1.11 CUTTING, CORING, PATCHING AND SEALING**
- PROVIDE ALL OPENINGS AND SLEEVES IN WALLS, CEILINGS, AND FLOORS AND PERFORM ALL CUTTING AND PATCHING AS REQUIRED FOR THE WORK OF THIS DIVISION.
 - SEAL HOLES AND SLEEVES THROUGH FLOORS TO SERVE AS A WATER DAM AND COMPLY WITH REQUIREMENTS OF CSA NO. A23.3 PARAGRAPH 5-17.
 - CONTRACTOR RESPONSIBLE TO MAKE GOOD ALL AREAS AFFECTED UNDER THIS CONTRACT BACK TO ITS ORIGINAL CONDITION (MATCH EXISTING).
- 1.12 AS BUILT DRAWINGS**
- CONTRACTOR MUST MAINTAIN ON SITE ONE SET OF UP TO DATE AS BUILT DRAWINGS AND HAVE THEM AVAILABLE FOR REVIEW AT ALL TIMES. AT THE END OF THIS CONTRACT, THIS CONTRACTOR SHALL SUPPLY TO THE OWNER THREE COMPLETE SETS OF AS BUILT DRAWINGS FOR HIS/HER REVIEW AND ACCEPTANCE.
 - CONTRACTOR TO SUPPLY TO THE OWNER THREE COPIES OF OPERATIONAL AND MAINTENANCE MANUALS FOR REVIEW AND ACCEPTANCE.
- 1.13 MATERIAL**
- MATERIALS SUPPLIED BY THIS CONTRACTOR SHALL BE NEW, OF CANADIAN MANUFACTURE WHERE AVAILABLE AND OF FIRST QUALITY AND UNIFORM THROUGHOUT.
 - ALL ELECTRICAL MATERIALS SHALL BE CSA APPROVED AND LABELED AND ALL MATERIALS NOT APPROVED SHALL RECEIVE ACCEPTANCE FOR INSTALLATION BY SPECIAL APPLICATION TO CSA PRIOR TO DELIVERY, WITH ALL MODIFICATIONS AND CHANGES REQUIRED FOR SUCH ACCEPTANCE INCLUDED IN THIS DIVISION. MATERIALS SHALL NOT BE INSTALLED OR CONNECTED TO SOURCE OF ELECTRICAL POWER UNTIL APPROVAL IS OBTAINED.
- 1.14 CONTRACT DRAWINGS**
- DRAWINGS ARE INTENDED TO SERVE AS A GUIDE SHOWING QUANTITIES AND GENERAL ARRANGEMENTS ARE NOT NECESSARILY WORKING DRAWINGS FROM WHICH MEASUREMENTS CAN BE TAKEN, EXCEPT WHERE DIMENSION FIGURES ARE SPECIFICALLY SHOWN. INFORMATION INVOLVING ACCURATE MEASUREMENTS OF BUILDING SHALL BE TAKEN FROM THE BUILDING DRAWINGS OR AT THE SITE.
- 1.15 PERMITS, FEES AND CERTIFICATES**
- FILE CONTRACT DRAWINGS WITH PROPER AUTHORITIES AND OBTAIN APPROVAL OF INSTALLATION AND PERMITS FOR THE SAME PRIOR TO PROCEEDING WITH THE WORK. PREPARE AND SUBMIT NECESSARY DETAIL SHOP DRAWINGS AS REQUIRED BY AUTHORITIES.
 - PAY ALL FEES IN CONNECTION WITH EXAMINATION OF DRAWINGS, FOR PERMITS, INSPECTIONS AND FINAL CERTIFICATES OF APPROVAL.
 - SUPPLY NECESSARY CERTIFICATES AS CONFORMS WITH LAWS AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION.
- 1.16 EQUIPMENT SHOP DRAWINGS**
- PREPARE AND SUBMIT A MINIMUM OF SIX SHOP DRAWINGS OF ALL MAJOR ITEMS OF EQUIPMENT PRIOR TO EQUIPMENT FABRICATION, DELIVERY OR INSTALLATION. SHOP DRAWINGS SHALL INDICATE MANUFACTURER, CATALOGUE NUMBER, DIMENSIONS, SPECIAL FEATURES OR FINISHES. SUBMIT SHOP DRAWING WITHIN (7) DAYS OF AWARD OF CONTRACT.
 - DUE TO TIME RESTRAINTS, THE OWNER MAY WAIVE APPROVAL DRAWINGS AND ACCEPT RECORD DRAWINGS, THIS IN NO WAY RELIEVES THE CONTRACTOR FROM SUPPLYING THE SPECIFIC EQUIPMENT.
 - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL SHOP DRAWINGS FOR ERRORS OR OMISSIONS TO CONFORM WITH REQUIREMENTS, FOR ACCURACY OF DIMENSIONS TO CONFORM WITH SITE CONDITIONS AND FOR INFORMATION THAT PERTAINS SOLELY TO EQUIPMENT FABRICATION PROCESSES.

TYPE	POWER	STANDARD OF ACCEPTANCE
NAME	VOLTAGE	BALLAST
A	347	508mm x 1220mm LONG SUSPENDED LED HIGH BAY LUMINAIRE C/W METAL HOUSING AND REFLECTORS, DOOR FRAME, POLYCARBONATE LENS, WIRE GUARD, SINGLE MONOPOINT HANGING KIT, 18000 LUMENS, 3500°K, CR#80 0-10V DIMMING. METALUX #HBLD-LDS-18SE-W-POLY125/WG-347-LB35-CD2-HBL-SPM
EX	347	EXISTING SUSPENDED FLUORESCENT LUMINAIRE
	120/347	COMMERCIAL "RUNNING MAN" LIGHTING UNIT, STEEL WHITE HOUSING C/W WIREGUARD, CSA 22.2 NO. 141 CERTIFIED, UNIVERSAL 120/347 VOLT INPUT, SELF POWERED FOR 90 MINUTES UPON POWER FAILURE. AIM LITE CAT. #RPST-U-M-WHT-BAT-WGD
	120/347	WALL MOUNTED EMERGENCY BATTERY UNIT, WHITE STEEL HOUSING C/W WIREGUARD. CSA 22.2 NO. 141 CERTIFIED, UNIVERSAL 120/347 VOLT INPUT, 2 @ 6W LED LAMPS, 72 WATTS FOR 30 MINUTES UPON POWER FAILURE. AIM LITE CAT. #EBST-12-072-2MD-6WLA-WHT-WRG

4 LUMINAIRE SCHEDULE
E1 SCALE : N.T.S.

- GENERAL NOTES:**
- ALL MEASUREMENTS AND SITE CONDITIONS ARE TO BE CONFIRMED ON SITE BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE TO VISIT THE SITE PRIOR TO SUBMITTING A TENDER AND MAKE THEMSELVES FAMILIAR WITH CONDITIONS THAT MAY AFFECT THE WORK.
 - REPLACE EXISTING FIXTURES WITH NEW LED FIXTURES. EXISTING LIGHTS NOW FEED FROM PANEL "A" ON CCT #A-10 AND CCT #A-11.
 - EXISTING HID FIXTURES ARE MOUNTED TO UNDERSIDE OF OPEN WEBBED STEEL JOISTS. NEW FIXTURES TO BE MOUNTED TO UNDERSIDE OF OPEN WEBBED STEEL JOISTS. PROVIDE ALL ADDITIONAL HARDWARE REQUIRED FOR MOUNTING OF NEW FIXTURES.
 - REUSE EXISTING WIRING WHERE POSSIBLE. PROVIDE NEW WIRING IN CONDUIT AS REQUIRED TO SUIT NEW FIXTURE LOCATIONS.
 - FIXTURE LOCATIONS ABOVE MOTORIZED BASKETBALL NETS TO BE REVIEWED ON SITE SO AS NOT TO BE DAMAGED BY NETS WHEN IN RAISED POSITION OR INSTALLED DIRECTLY ABOVE NETS. ALLOW FOR THESE FIXTURES TO BE RELOCATED UP TO 10FT FROM THE NETS.
 - VERIFY VOLTAGE OF EXISTING LIGHT FIXTURES CIRCUITS BEFORE ORDERING NEW LIGHT FIXTURES.

6 GENERAL NOTES
E1 SCALE : N.T.S.

- 1.9 EQUIPMENT LOCATIONS**
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7 SPECIFICATIONS
E1 SCALE : N.T.S.



ISSUED FOR TENDER
May 14, 2020 by JPG

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A = Detail #
BB = Sheet # (Where Detail Required)
CC = Sheet # (Where Detailed)

Project Title :
**Southern Kings Consolidated
Gym Floor Replacement &
Lighting Upgrades**

Drawing Title :
**Partial Lighting Floor Plans
and Specifications**

Scale : As Noted Design By : JPG
Drawn By : MM Date : May 14, 2020
Project No. : 530-19098 Drawing # : E1 of 1