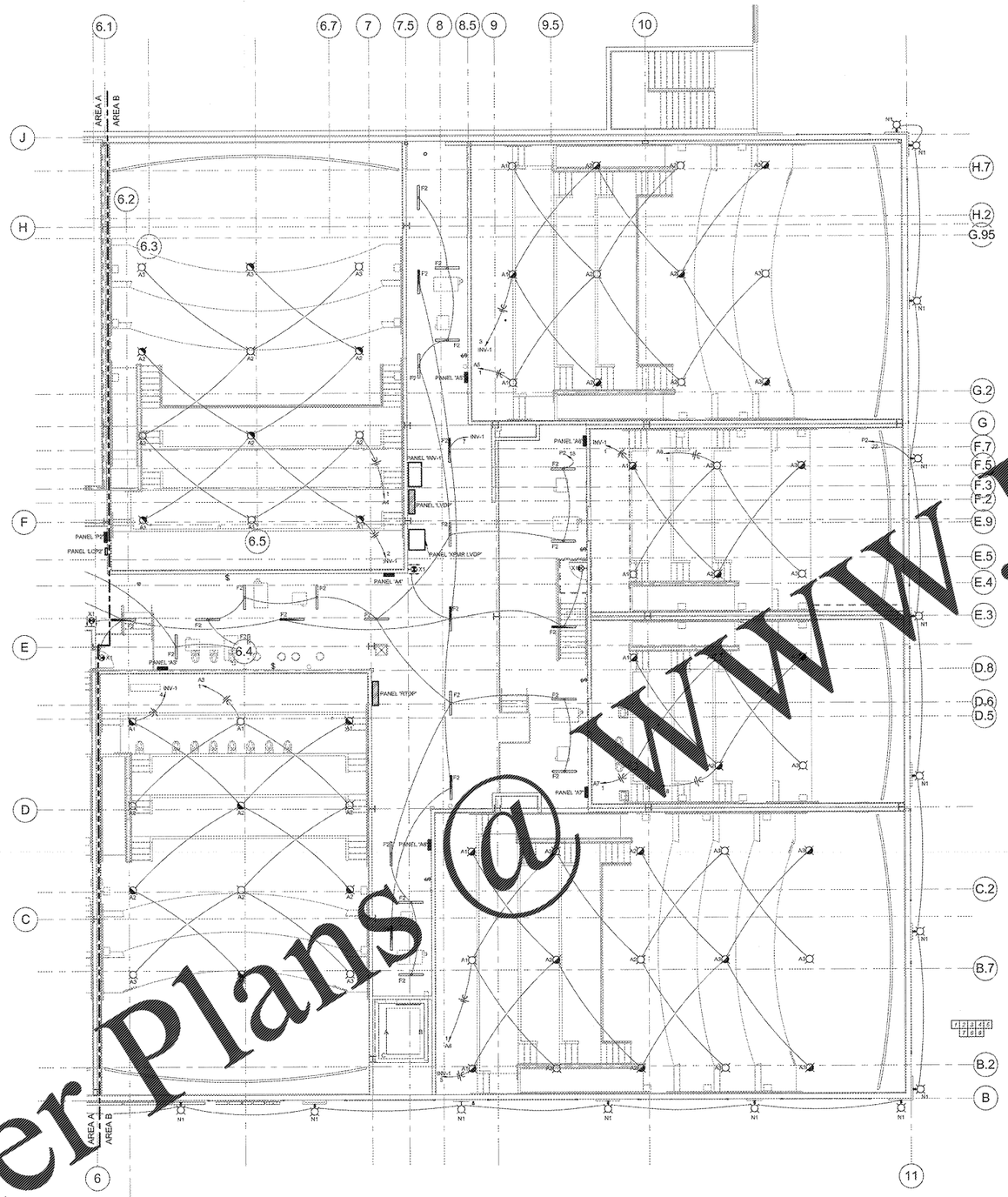

PROJECTION LEVEL AREA B LIGHTING PLAN

1/8" = 1'-0"

LIGHTING SWITCH CIRCUIT NOTE: ALL SWITCHES CONTROLLING LIGHTING CIRCUITS SHALL BE PROVIDED WITH THE GROUNDED CONDUCTOR (NEUTRAL) FOR THE LIGHTING CIRCUIT IN ACCORDANCE WITH NFPA 70 (NEC) ARTICLE 404.2(C).

ELECTRICAL GENERAL NOTES

A. ALL 120 VOLT CIRCUITS LONGER THAN 100 FEET IN LENGTH SHALL USE #10 AWG CONDUCTORS.

B. ALL CIRCUITS SHALL HAVE A SEPARATE GROUNDED CONDUCTOR SIZED PER N.E.C. SECTION 250.122.

C. ALL CONDUIT INSTALLED INDOORS SHALL BE ELECTRICAL METALLIC TUBING (EMT), MINIMUM 1/2" OR AS NOTED OTHERWISE. CONDUCTORS TO BE A MINIMUM OF #12 THWN/THWN, COPPER UNLESS NOTED OTHERWISE. BRANCH CIRCUIT RUNS WITH NO MARKING OR IDENTIFICATION ARE TO BE PROVIDED WITH ONE HOT, ONE NEUTRAL AND ONE EQUIPMENT GROUND CONDUCTOR.

D. ELECTRICAL CONTRACTOR SHALL PROVIDE CIRCUIT DIRECTORY WITH TYPED CIRCUIT DESIGNATION CARD UNDER PLASTIC COVER ON THE INSIDE OF EACH PANEL DOOR. ELECTRICAL CONTRACTOR SHALL ALSO FURNISH AND INSTALL NAMEPLATES ON ALL DISCONNECT SWITCHES, PANELBOARDS AND SWITCHBOARDS.

E. ELECTRICAL CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND PERFORM ALL WORK AND SERVICES NECESSARY FOR OR INCIDENTAL TO THE FURNISHING AND INSTALLATION, COMPLETE OF ALL WIRING MATERIALS AND METHODS AS SHOWN ON THE DRAWINGS AND AS SPECIFIED, IN ACCORDANCE WITH PROVISIONS OF THE CONTRACT DOCUMENTS. [illegible] COORDINATED WITH WORK OF ALL OTHER TRADES.

F. FIELD COORDINATE ALL FURNITURE POWER FEED LOCATIONS PRIOR TO ROUGH-IN.

G. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH PULL STRING, INSTALLED AND PLASTIC GROMMET.

H. CONTRACTOR SHALL COORDINATE [illegible] LOCATION OF ELECTRICAL [illegible] THE CEILING TO PROVIDE THE GREATEST POSSIBLE CLEARANCE FOR [illegible]

I. ELECTRICAL CONTRACTOR TO VERIFY EXACT PLACEMENT OF ALL DEVICES SHOWN ON THE ELECTRICAL CONSTRUCTION DOCUMENTS WITH MECHANICAL DRAWINGS PRIOR TO FINAL INSTALLATION.

J. [illegible] SHOWN ON DRAWINGS. [illegible] PANEL DESIGNATION SHALL BE [illegible] TO THE [illegible] SPARE CIRCUITS FOR EACH HOMERUN SHOWN IN [illegible] UNLESS NOTED OTHERWISE.

K. ALL [illegible] RECEPTACLES [illegible] WITHIN 6'-0" OF A SINK OR LAVATORY SHALL BE OF A GFCI TYPE.

L. ALL FIRE ALARM HORN/STROBE DEVICES LOCATED IN THE SAME ROOM OR OPEN OFFICE AREA SHALL BE SEQUENCED TO FLASH AT THE SAME RATE PER LATEST FIRE ALARM CODE.

LIGHTING PLAN NOTES

1. PROVIDE A DIGITAL SWITCH COMPATIBLE WITH THE LIGHTING CONTROL PANEL. REFERENCE THE "DIGITAL SWITCH SCHEDULE" FOR ADDITIONAL INFORMATION. PROVIDE ALL REQUIRED CONTROL WIRING. COORDINATE THE INSTALLATION WITH THE MANUFACTURER'S INSTRUCTIONS.
2. AN ECOSYSTEM BUS CONSISTING OF A PAIR OF 16 AWG COPPER CONDUCTORS CONNECTED TO THE GRAFIK EYE LIGHTING CONTROL PANEL SERVING THE AUDITORIUM SHALL BE INSTALLED TO CONTROL THE TYPE 'C1', 'C2', AND 'C3' LIGHT FIXTURES IN THE AUDITORIUM. THE FIXTURES SHALL CONNECT TO THE BUS BY EITHER DAISY CHAINING OR T TAPPING. THE LOWER CASE LETTER ASSOCIATED WITH THE LIGHT FIXTURE INDICATES THE ZONE TO WHICH THE FIXTURE SHALL BE PROGRAMMED.
3. CONNECT TO THE NON-EMERGENCY CIRCUIT LIGHTING ON THE THEATRE LEVEL BELOW.
4. PROVIDE PHOTOSENSOR FOR DAYLIGHT HARVESTING DIMMING OF LIGHTS LOCATED IN THE NEARBY DAYLIGHT CONTROL ZONE(S). INTERCONNECT SENSOR WITH LIGHTING CONTROL PANEL SERVING LIGHTS IN THIS DAYLIGHT CONTROL ZONE(S). ALL LIGHTS WITHIN THE SIDELIT DAYLIGHT CONTROL ZONE AREA SHALL BE CONNECTED TO A SEPARATE RELAY IN THE LIGHTING CONTROL PANEL FOR THE CIRCUIT INDICATED. PROVIDE 0-10V WIRING TO ALL LIGHT FIXTURES IN THE DAYLIT CONTROL ZONE TO ALLOW AUTOMATIC DIMMING IN RESPONSE TO DAYLIGHT LEVELS.
5. ROUTE THE EXTERIOR LIGHTING CIRCUIT/PARTIAL LIGHTING CIRCUIT THROUGH A RELAY IN THE LIGHTING CONTROL PANEL INDICATED. REFERENCE THE LIGHTING CONTROL PANEL SCHEDULE.
7. ROUTE THE LIGHTING CIRCUIT/PARTIAL LIGHTING CIRCUIT THROUGH A RELAY IN THE LIGHTING CONTROL PANEL INDICATED. PROVIDE AN UN-SWITCHED HOT CONDUCTOR WHERE THE CIRCUIT SERVES NIGHT LIGHTING, EXIT SIGNS, OR LIGHTING IN ROOMS WITH SEPARATE OCCUPANCY SENSING CONTROLS. REFERENCE THE LIGHTING CONTROL PANEL SCHEDULE.
8. PROVIDE 0-10V DIMMING CONTROL WIRING FOR THE DIMMING FIXTURES ON THIS CIRCUIT/PARTIAL CIRCUIT AND CONNECT TO THE LIGHTING CONTROL PANEL.
9. ROUTE THE DAYLIGHT HARVESTING CIRCUIT/PARTIAL LIGHTING CIRCUIT THROUGH A RELAY IN THE LIGHTING CONTROL PANEL INDICATED. PROVIDE 0-10V DIMMING CONTROL WIRING FOR THE DIMMING FIXTURES ON THIS CIRCUIT AND CONNECT TO THE LIGHTING CONTROL PANEL. PROVIDE AN UN-SWITCHED HOT CONDUCTOR WHERE

[illegible] DOCUMENTS [illegible] NOT BE USED FOR ANY OTHER PROJECTS, FOR EXTENSIONS TO THIS PROJECT, OR FOR COMPLETION OF THIS PROJECT BY OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF GBS|SOM (Mark) ALERT. ANY UNAUTHORIZED USE SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO GBS|SOM. ALL [illegible] SHALL REMAIN THE PROPERTY OF GBS|SOM. [illegible] DOCUMENTS [illegible] NOT BE LOANED, GIVEN, SOLD, LEASED, EXCHANGED, OR DISPOSED OF TO ANY OTHER PARTY WITHOUT THE PRIOR WRITTEN CONSENT OF GBS|SOM. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

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SHEET LEGEND

G000x	GENERAL INFORMATION & SCOPE OF WORK
A100x	ACCESSIBILITY PLANS & DETAILS
A200x	OVERALL FLOOR PLANS & PLANS
A300x	EXTERIOR & INTERIOR ELEVATIONS
A400x	BUILDING SECTIONS
A450x	ENLARGED PLANS
A500x	EXTERIOR & INTERIOR DETAILS
A600x	DOOR SCHEDULE, DOOR DETAILS, FINISH SCHEDULE, FINISH PLANS
C100x	CIVIL PLANS, STREET LINE, SECTIONS
C200x	AUDITORIUM SEATING PLAN
S0x	STRUCTURAL
M0x	MECHANICAL
P0x	PLUMBING
E0x	ELECTRICAL
W0x	WAYFINDING DETAILS
FF0x	CASEWORK & EQUIPMENT

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Leawood, KS 66211

No.	Date	Description

Project Issue Date:

KEY PLAN:

NORTH

SHEET TITLE:
PROJECTION LEVEL AREA-B LIGHTING PLAN

SHEET NUMBER:
E204