

# AUDITORIUM RENOVATION - PHASE ONE

## LAWRENCE CENTRAL HIGH SCHOOL

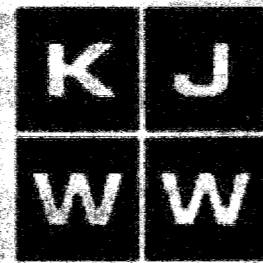
### METROPOLITAN SCHOOL DISTRICT OF LAWRENCE TOWNSHIP

7300 EAST 56TH STREET  
INDIANAPOLIS, IN 46226

216107.00

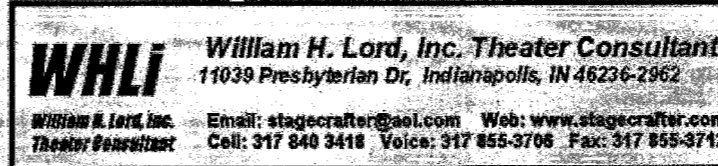
05.09.17

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Email: stagecrafter@aol.com Web: www.stagecrafter.com  
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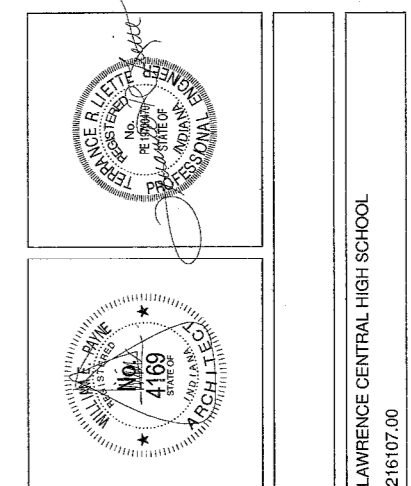
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**LC - Auditorium Renovation**  
**Phase 1**  
(Project No 216107.00)  
5-9-17

### ARCHITECTURAL/SITE ABBREVIATIONS

ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW

⊙	AT	M	METER
AC	AIR CONDITIONING	MAS	MASONRY
ACT	ACOUSTICAL CEILING TILE	MAT	MATERIAL
AD	AREA DRAIN	MAX	MAXIMUM
ADJ	ADJUSTABLE	MB	MARKER BOARD
AFF	ABOVE FINISHED FLOOR	MECH	MECHANICAL
AFP	ACCORDION FOLDING PARTITION	MEZZ	MEZZANINE
AGG	AGGREGATE	MFR	MANUFACTURER
ALT	ALTERNATIVE	MH	MOP HOLDER
AL	ALUMINUM	MIM	MISCELLANEOUS
AP	ACCESS PANEL	MISC	MISCELLANEOUS
APPROX	APPROXIMATE	MM	MILLIMETER
AR	ACID RESISTANT	MO	MASONRY OPENING
ARCH	ARCHITECTURAL	MTL	METAL
ASPH	ASPHALT	N	NORTH
AV	AUDIO-VISUAL	NIC	NOT IN CONTRACT
AWG	AMERICAN WIRE GAUGE	NO#	NUMBER
AWT	ACOUSTICAL WALL TREATMENT	NOM	NOMINAL
L	ANGLE	NTS	NOT TO SCALE
&	AND	OC	ON CENTER
BIT	BITUMINOUS	OD	OUTSIDE DIAMETER
BLDG	BUILDING	OPNG	OPENING
BLKG	BLOCKING	OPP	OPPOSITE
BM	BENCH MARK / BEAM	O.H.	OPPOSITE HAND
B.O.	BOTTOM OF	O TO O	OUT TO OUT
BOS	BOTTOM OF STEEL	OW	OPERABLE WALL
BOT	BOTTOM	OZ	OUNCE
BRG	BEARING	P	PAIN
BRK	BRICK	PA	PUBLIC ADDRESS
BUR	BUILT-UP ROOF	PERF	PERFORATED
CAB	CABINET	PLAS	PLASTIC
CAR	CARPET	PL	PLASTIC LAMINATE
CAT	CATALAS	PLBG	PLUMBING
CS	CHAIRBOARD / CATCH BASIN	PLYWD	PLYWOOD
CFM	CUBIC FEET PER MINUTE	PRFAB	PREFABRICATED
CH	CABINET HEATER	PS	PROJECTION SCREEN
CI	CAST IRON	PSF	POUNDS PER SQUARE FOOT
CJ	CONTROL JOINT	PSI	POUNDS PER SQUARE INCH
CL	CENTERLINE	PSS	PENCIL SHARPENER SUPPORT
CLR	CLEAR	PT	PORCELAIN TILE
CLG	CEILING	PVC	POLYVINYL CHLORIDE
CMP	CORRUGATED METAL PIPE	PVMT	PAVEMENT
QMT	CERAMIC MOSAIC TILE	QT	QUARRY TILE
CMU	CONCRETE MASONRY UNIT	R	RISER
CO	CLEANOUT	RA	RETURN AIR
COLM	COLUMN	RAD	RADIUS
COMP	COMPACTED	RB	RESILIENT BASE
CONC	CONCRETE	RCP	REINFORCED CONCRETE PIPE
CONSTR	CONSTRUCTION	RD	ROOF DRAIN
CONT	CONTINUOUS/CONTINUE	REF	REFERENCE
CONTR	CONTRACTOR	REFR	REFRIGERATOR
CORR	CORRUGATED	REINF	REINFORCING
CTO C	CERAMIC TILE	REQD	REQUIRED
C TO C	CENTER TO CENTER	REV	REVISION(S)
CSK	COUNTER SINK	RM	ROOM
CU FT/CF	CUBIC FEET	R.O.	ROUGH OPENING
CU IN/CI	CUBIC INCH	ROW	RIGHT-OF-WAY
CU YD/CY	CUBIC YARD		
CUSP	CURB		
OW	COLD WATER		

### MATERIAL SYMBOLS LEGEND

MATERIAL SYMBOLS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW

	ASPHALT		WIRE FENCE OR PARTITION
	EARTH		METAL ROOF DECK
	GRAVEL, STONE, OR DRAINAGE FILL		LAMINATED WOOD BEAM (SMALL SCALE SECTION)
	SAND, GROUT, PLASTER, GWR, OR PLAN VIEW OF SIDEWALK		BATT INSULATION
	CONCRETE		RIGID INSULATION
	TERRAZZO		ROUGH WOOD
	CUT STONE		FINISH WOOD
	MARBLE		WOOD OTHER THAN NOMINAL
	SLATE		PLYWOOD
	FACE BRICK (PLAN)		GYPSUM WALLBOARD (LARGE SCALE)
	GLAZED BRICK		STUD WALL PLAN - DIMENSIONS TAKEN TO FINISH FACE OF WALL - SEE WALL TYPES
	CONCRETE MASONRY UNIT (PLAN)		SOLID PANEL FOLDING PARTITION OR OPERABLE WALL
	CONCRETE MASONRY UNIT (SECTION)		FABRIC ACCORDION FOLDING PARTITION
	CONCRETE MASONRY UNIT (SOLID, IN SECTION)		ACOUSTICAL TILE CEILING
	SPRAY-ON INSULATION OR FIRE PROTECTION		EXTERIOR INSULATION FINISH SYSTEM

### DRAWING SYMBOLS LEGEND

DRAWING SYMBOLS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW

	CALLOUT		REVISION TAG		EXISTING CONTOUR
	CEILING TAG		ROOF TYPE TAG		NEW CONTOUR
	CODED NOTE		BUILDING/WALL SECTION		TEST BORING & NO.
	DOOR TAG		DETAIL SECTION		EXISTING POINT ELEVATION
	EXTERIOR ELEVATION		ROOF SLOPE TAG		NEW POINT ELEVATION
	INTERIOR ELEVATION		MATCHLINE VIEW REFERENCE		STORM SEWER INLETS
	GRID HEAD		WALL TAG		
	LEVEL LINE		STOREFRONT TAG		
			WINDOW TAG		
			ROOM TAG		

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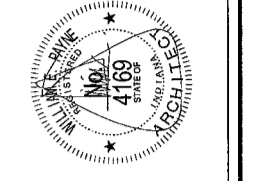
T300 TECHNOLOGY DETAILS

T301 TECHNOLOGY DETAILS

T302 TECHNOLOGY DETAILS

T400 TECHNOLOGY SCHEDULES

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ABBREVIATIONS AND INDEX	INDEX
DRAWN BY: RH CHECKED BY: LB CORR. NO.: 216107.00 ISSUE DATE: 05/09/17	REV. DESCRIPTION DATE

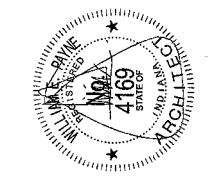
ROOM LEGEND - FIRST FLOOR UNIT G

ROOM NO.	ROOM NAME
G1	STAIR
G11	STAIR
G104	LECTURE
G105	LECTURE
G107	VOMITORY
G108	VOMITORY
G110	VOMITORY
G111	AUDITORIUM
G112	ORCHESTRA LIFT/PT
G113	CATWALK ACCESS
G114	CORRIDOR
G115	STORAGE
G116	STAGE
G117	PIANO STORAGE
G118	PASSAGE

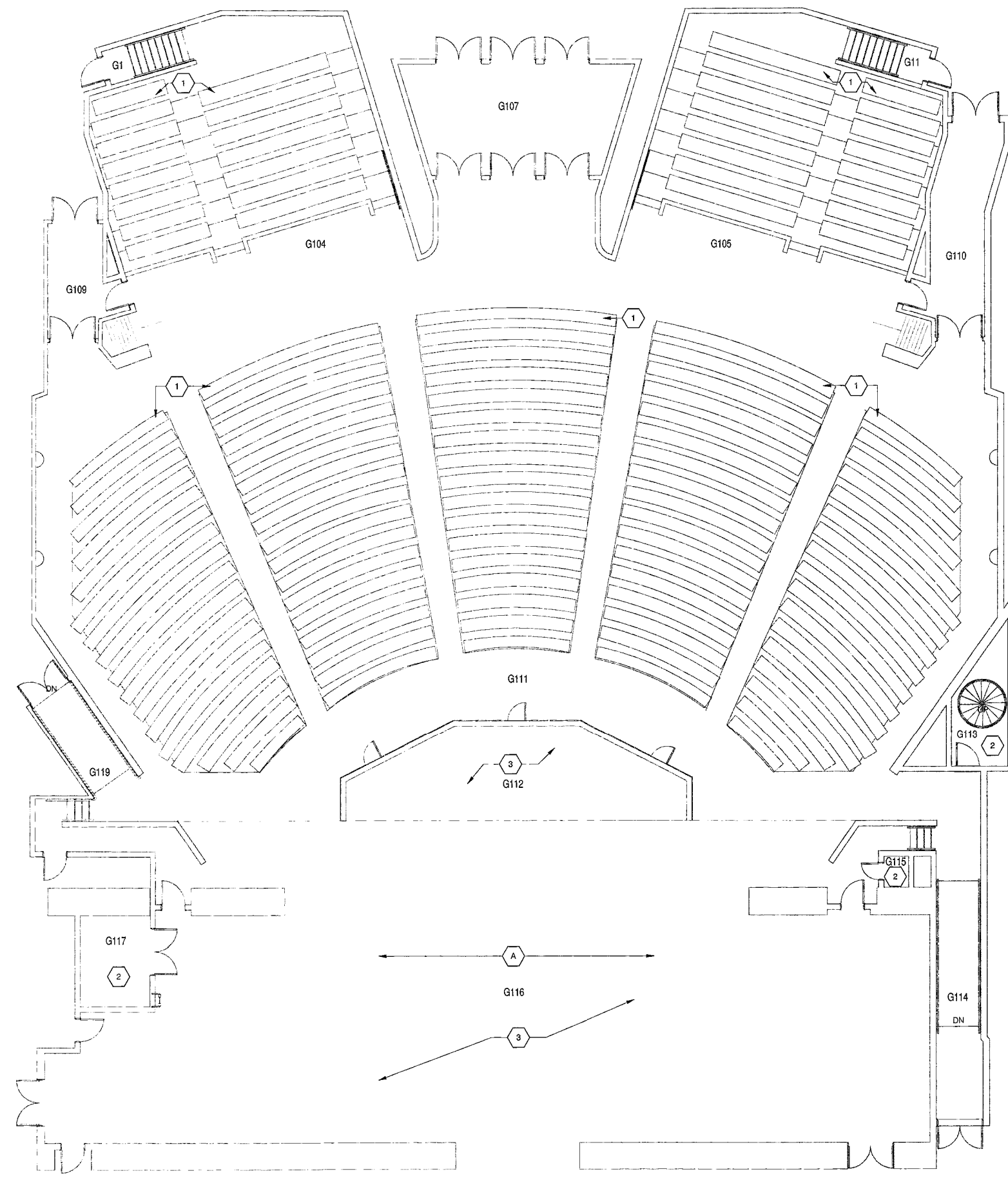
ARCHITECTURAL PLAN GENERAL NOTES

- A. FLOORING DEMOTES FLOOR COVERING MATERIALS INCLUDING BACKINGS, ADHESIVES, BASES, DOWN TO BUT EXCLUSIVE OF FLOOR SLABS AND STRUCTURAL MATERIALS, UNLESS NOTED OTHERWISE.
- B. AFTER THE DEMOLITION OF MATERIALS, THE RESULTING EXPOSED SURFACE SHALL BE SMOOTH AND FLUSH WITH EXISTING CONDITIONS.
- C. ITEMS TO BE REMOVED BY CONTRACTOR SHALL INCLUDE WORK BY OTHER TRADES, INCLUDING ELECTRICAL, TECHNOLOGY, AND ACOUSTICAL.
- D. MECHANICAL AND ELECTRICAL ITEMS THAT ARE CAPPED AND ABANDONED SHALL BE LOCATED BEHIND FINAL FINISH SYSTEMS. COORDINATE THIS WORK WITH DEMOLITION WORK ON ELECTRICAL TECHNOLOGY, AND ACOUSTICAL DRAWINGS.
- E. MATERIALS OF DEMOLITION SHALL BE DISPOSED OF OFF-SITE UNLESS OTHERWISE DIRECTED BY OWNER.
- F. OWNER TO REMOVE EXISTING LOOSE FURNITURE / MISCELLANEOUS ITEMS NOT SHOWN AND NOT TO BE DEMOLISHED. CONTRACTOR TO NOTIFY OWNER IN ADVANCE WHEN ITEMS NEED TO BE REMOVED. CONTRACTOR IS RESPONSIBLE FOR OTHER ITEMS TO BE REMOVED.
- G. REMOVE ALL LOOSE OR DAMAGED MATERIAL. REFINISH TO LIKE NEW CONDITION, OR IF CONDITION WARRANTS REPLACE IN ENTIRETY. OWNER RESERVES RIGHT TO CLAIM ANY MATERIALS THAT ARE BEING DEMOLISHED PRIOR TO THE CONTRACTOR DISPOSING OF THEM OFF SITE.

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 7300 EAST 56TH STREET, INDIANAPOLIS, IN 46226



DEMOLITION PLAN NOTES (ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

- 1 INDICATES EXISTING AUDIENCE OF FIXED SEATING TO REMAIN IN THEIR ENTIRETY.
- 2 NO WORK IN THIS ROOM/AREA.
- 3 REMOVE DAMAGED WOOD PLANKS ONLY. PREPARE FOR SURFACE UPDATE.

DEMOLITION STAGE RIGGING AND CURTAIN NOTES (ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

- A REMOVE EXISTING STAGE CURTAINS AND TURN OVER TO OWNER. SEE SPECIFICATIONS FOR EXTENTS AND ADDITIONAL INFORMATION.



KEY PLAN

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**FIRST FLOOR DEMOLITION PLAN - UNIT G**

1 SCALE: 1/8" = 1'-0"

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

DEMOLITION PLAN - UNIT G		REV	DESCRIPTION	DATE
DRAWN BY: BH	COMP. NO.: 216107-00			
CHECKED BY: LB	ISSUE DATE: 05/09/17			
<b>AD0.01</b>				
LAWRENCE CENTRAL HIGH SCHOOL 216107-00				

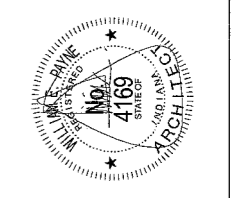
**SQUARE FOOTAGE ANALYSIS**

ITEM	DESCRIPTION	ACTUAL GROSS AREA
1.	EXISTING FIRST FLOOR	441,000 S.F.
2.	EXISTING SECOND FLOOR	65,477 S.F.
AREA TOTAL (NO CHANGE IN AREA)		506,477 S.F.

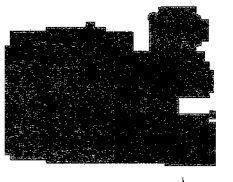
**BUILDING CODE INFORMATION**

- BUILDING DESCRIPTION: HIGH SCHOOL
- APPLICABLE CODE: 2014 INDIANA BUILDING CODE  
(2012 INTERNATIONAL BUILDING CODE)  
INDIANA ADMINISTRATIVE CODE
- BUILDING AREA AND HEIGHT:
  - A. OCCUPANCY/USE GROUP: A1/AUDITORIUM, B, E, & S NON SEPERATED USES (NO CHANGE)
  - B. CONSTRUCTION TYPE: IIB
  - C. AREA LIMITATION: UNLIMITED (TABLE 503)
    - 1. ACTUAL AREA: 441,000 SF
    - \*1. FIRST FLOOR: 65,477 SF
    - SECOND FLOOR: 596,477 SF (NO INCREASE)
    - TOTAL GROSS:
  - D. HEIGHT LIMITATION: 2 STORY, 55'-0" (TABLE 503)
    - 1. HEIGHT MODIFICATIONS: 3 STORY, 75'-0" (504.2)
    - 2. ACTUAL HEIGHT: 1 STORY, EXISTING
- USE AND OCCUPANCY CLASSIFICATION INDIANA BUILDING CODE CHAPTER 3  
E - EDUCATION, A1 - ASSEMBLY  
INCIDENTAL USE AREAS INDIANA BUILDING CODE SECTION AND TABLE 509  
MECHANICAL ROOM BOILERS, LABORATORIES:  
1 HOUR SEPERATION & AUTO SPRINKLER SYSTEM  
ACCESSORY USE AREAS INDIANA BUILDING CODE SECTION 508.2  
ACCESSORY OCCUPANCIES ARE THOSE OCCUPANCIES SUBSIDIARY TO THE MAIN OCCUPANCY OF THE BUILDING OR PORTION THEREOF. AGGREGATE ACCESSORY OCCUPANCIES SHALL NOT OCCUPY MORE THAN 10% OF THE AREA OF THE STORY IN TABLE 503 WITHOUT HEIGHT AND AREA INCREASES IN ACCORDANCE WITH SECTION 506 FOR SUCH ACCESSORY OCCUPANCIES (2012 INTERNATIONAL BUILDING CODE)  
AREA LIMITATION INDIANA BUILDING CODE SECTION 503
- TYPE OF CONSTRUCTION INDIANA BUILDING CODE CHAPTER 6 (SEE TABLE)  
TYPE IIB
- FIRE RESISTANCE RATED CONSTRUCTION INDIANA BUILDING CODE CHAPTER 7:  
PENETRATIONS THROUGH FIRE-RESISTANCE-RATED ASSEMBLIES SHALL BE PROVIDED WITH FIRESTOPPING PER PROJECT MANUAL.  
CEILING AND FLOOR OPENINGS THROUGH NON-FIRE-RESISTANCE-RATED ASSEMBLIES SHALL BE PROVIDED WITH FIREBLOCKING PER PROJECT MANUAL.
- INTERIOR FINISHES TO COMPLY WITH INDIANA BUILDING CODE CHAPTER 9
- FIRE PROTECTION SYSTEMS INDIANA BUILDING CODE CHAPTER 9:  
THE ENTIRE BUILDING CURRENTLY HAS AN AUTOMATIC SPRINKLER SYSTEM THAT IS TO REMAIN IN ITS ENTIRETY.
- MEANS OF EGRESS INDIANA BUILDING CODE CHAPTER 10:  
THE MEANS OF EGRESS REQUIREMENTS SHALL BE DETERMINED BY THE ACTUAL OR COMPUTED NUMBER OF OCCUPANTS WHOEVER IS THE LARGEST NUMBER. REFER TO THE CODE PLANS FOR ROOM OCCUPANT LOADS. AREAS OR ROOMS WITH 50 OR MORE OCCUPANTS SHALL BE PROVIDED WITH TWO OR MORE MEANS OF EGRESS; 500 OR MORE OCCUPANTS SHALL BE PROVIDED WITH THREE OR MORE MEANS OF EGRESS; AND 1000 OR MORE OCCUPANTS SHALL BE PROVIDED WITH FOUR OR MORE MEANS OF EGRESS.
- ADDITIONAL MISCELLANEOUS CODE NOTES:
  - A. EXISTING FIRE RISER WITH A DCOA SYSTEM IS TO REMAIN IN ITS ENTIRETY.
  - B. EXISTING FIRE EXTINGUISHERS ORIGINALLY LOCATED BY THE LOCAL AUTHORITY ARE TO REMAIN IN THEIR ENTIRETY.
  - C. NEW STAGE CURTAINS ARE FLAMEPROOF AS STATED IN SPECIFICATIONS SECTION 11 61 00 AND WILL MEET ALL CODE REQUIREMENTS.
  - D. NEW AUTOMATIC FIRE CURTAIN SYSTEM CONNECTED WITH EXISTING FIRE ALARM SYSTEM.

---> INDICATES MAJOR EXITING PATHS



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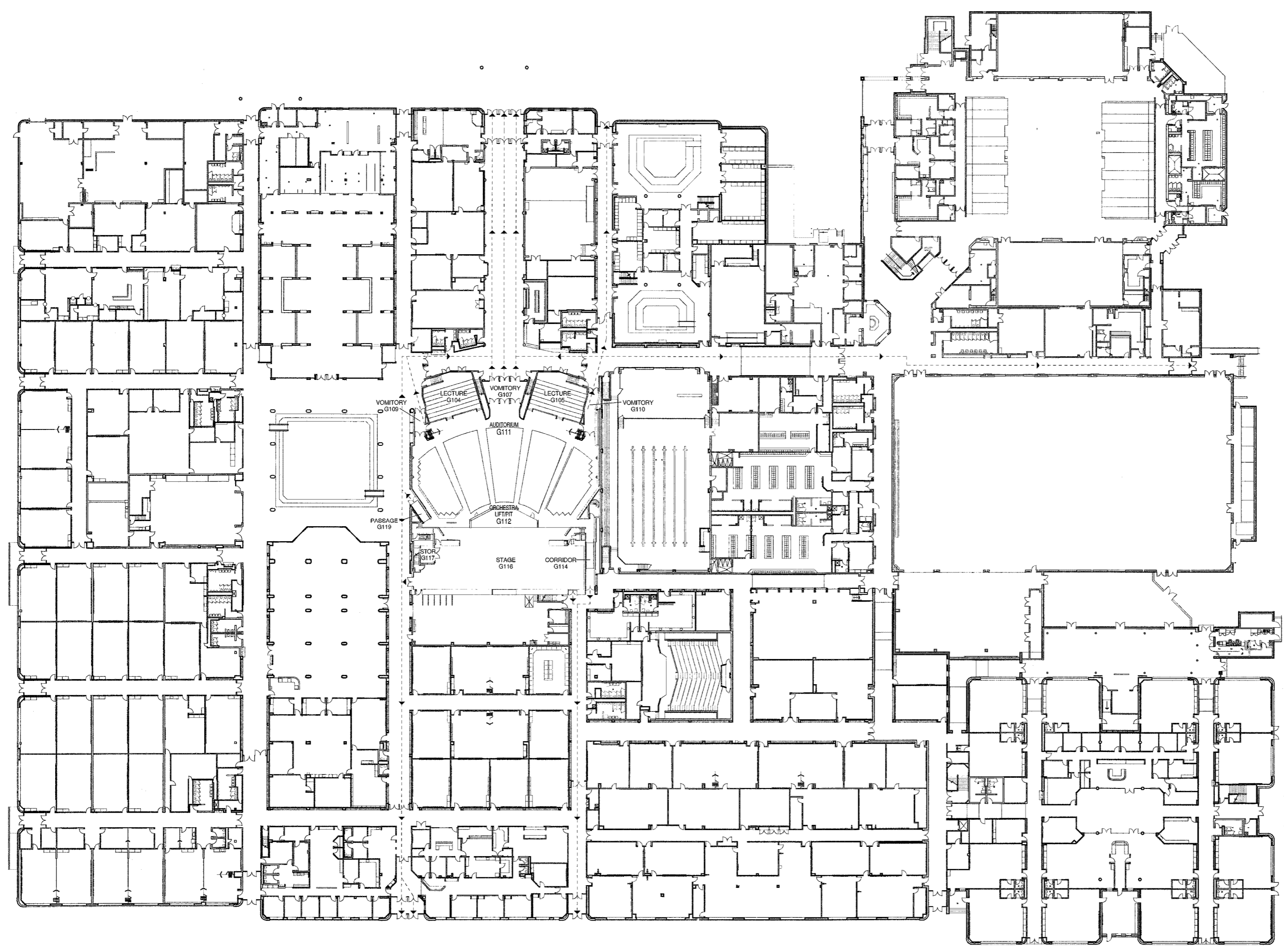


KEY PLAN

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CODE PLAN & INFORMATION	
CONTRACT NO.:	216107.00
DRAWN BY:	PH
CHECKED BY:	LB
ISSUE DATE:	05/09/17
REV.	DESCRIPTION DATE
<b>A0.01</b>	

LAWRENCE CENTRAL HIGH SCHOOL  
216107.00



**1 LIFE SAFETY PLAN**  
SCALE: 1" = 30'-0"

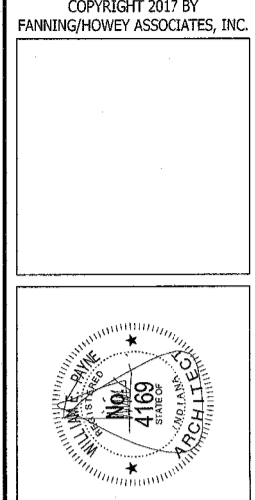
ROOM LEGEND - FIRST FLOOR UNIT G	
ROOM NO.	ROOM NAME
G1	STAIR
G11	STAIR
G104	LECTURE
G105	LECTURE
G107	VOMITORY
G109	VOMITORY
G110	VOMITORY
G111	AUDITORIUM
G112	ORCHESTRA LIFT/PIT
G113	CATWALK ACCESS
G114	CORRIDOR
G115	STORAGE
G116	STAGE
G117	PIANO STORAGE
G119	PASSAGE

ARCHITECTURAL PLAN GENERAL NOTES

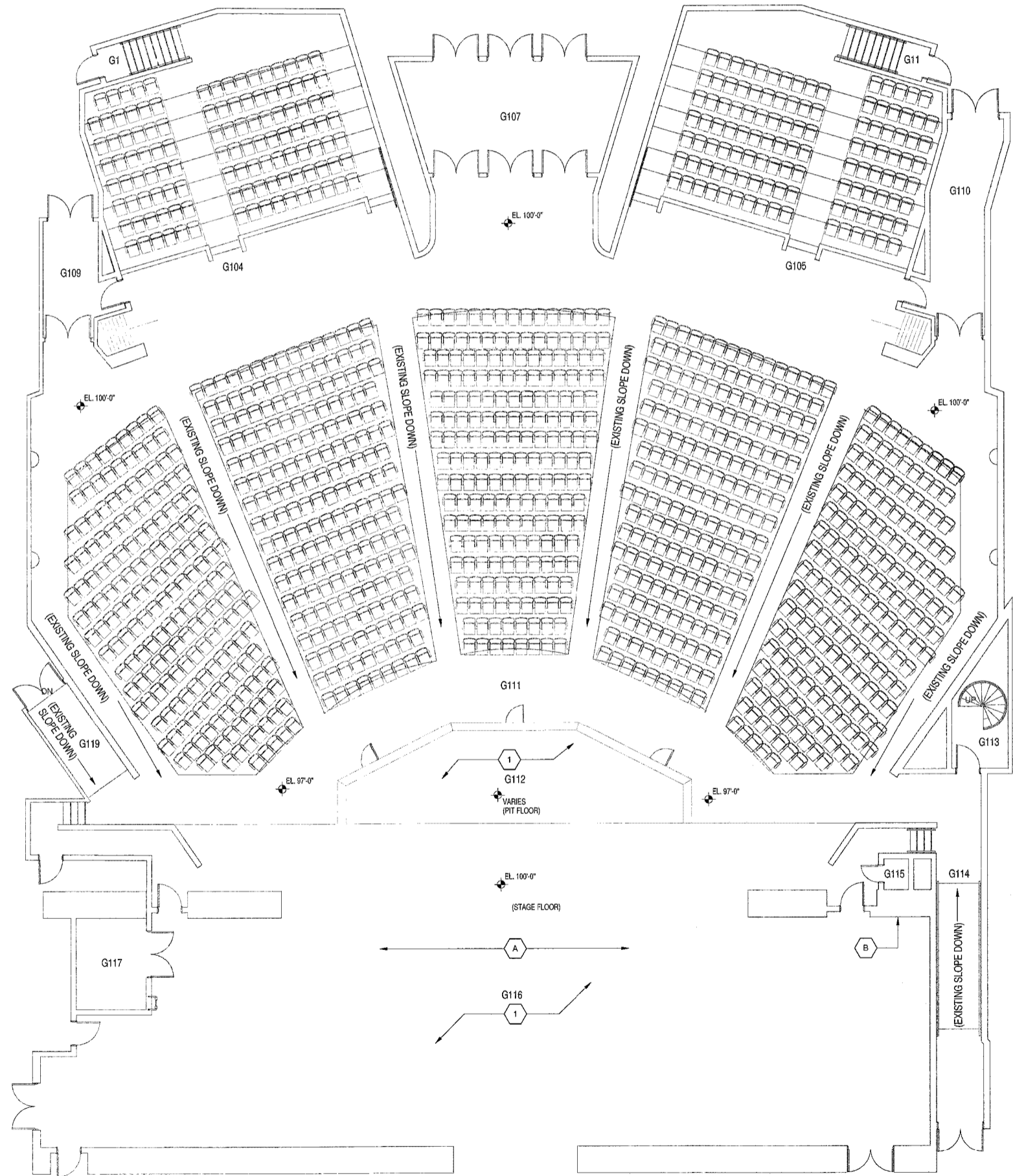
A. WHERE DISSIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE.

B. THE BASE FLOOR ELEVATION INDICATED FOR THIS PROJECT IS 100'-0".

C. ALL DIMENSIONS ON FLOOR PLANS ARE TO FINISH FACE OF CMU, CONCRETE, OR FINISH FACE OF GWS AT METAL STUD WALLS, UNLESS NOTED OTHERWISE.



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ARCHITECTURAL PLAN NOTES (X)

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

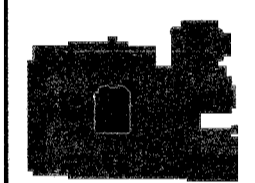
1 PATCH AS NEEDED WITH LIKE WOOD AND/OR REPAIR EXISTING WOOD FLOOR, SAND, AND PAINT FLAT BLACK IN ITS ENTIRETY. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

STAGE RIGGING AND CURTAIN NOTES (X)

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

A NEW STAGE CURTAINS AT THIS LOCATION. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

B NEW FIRE CURTAIN RELEASE OPERATING SYSTEM AT THIS APPROXIMATE LOCATION. REFER TO SPECIFICATIONS AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.



KEY PLAN

**1** FIRST FLOOR ARCHITECTURAL PLAN - UNIT G  
 SCALE: 1/8" = 1'-0"

VERIFICATION NOTE

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SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

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ARCHITECTURAL PLAN - UNIT G		
REV	DESCRIPTION	DATE
1		

**A1.01**

LAWRENCE CENTRAL HIGH SCHOOL  
 236107.00

ELECTRICAL ABBREVIATIONS

ABBREVIATIONS USED ON THE CONTRACT DOCUMENTS, INCLUDE BUT ARE NOT LIMITED TO THOSE LISTED BELOW

Table of electrical abbreviations including symbols and descriptions for various components like switches, relays, and control panels.

POWER SYMBOLS

Table of power symbols with columns for SYMBOL, DESCRIPTION, and MOUNTING HEIGHT TO BOTTOM.

FIRE ALARM SYMBOLS

Table of fire alarm symbols with columns for SYMBOL, DESCRIPTION, MH, and LEGEND NOTE.

POWER SYMBOLS

Table of power symbols with columns for SYMBOL, DESCRIPTION, and MH.

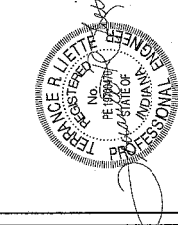
LIGHTING SYMBOLS

Table of lighting symbols with columns for SYMBOL, DESCRIPTION, and MH.

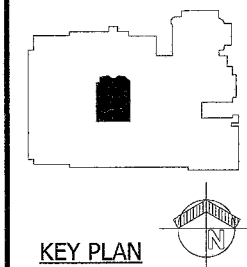
ELECTRICAL GENERAL NOTES

- 1. THE TERM "PROVIDE" INDICATES CONTRACTOR SHALL FURNISH AND INSTALL ITEMS AND CONNECT AS REQUIRED TO OBTAIN A COMPLETE AND OPERABLE SYSTEM... 2. COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL PLANS... 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS...

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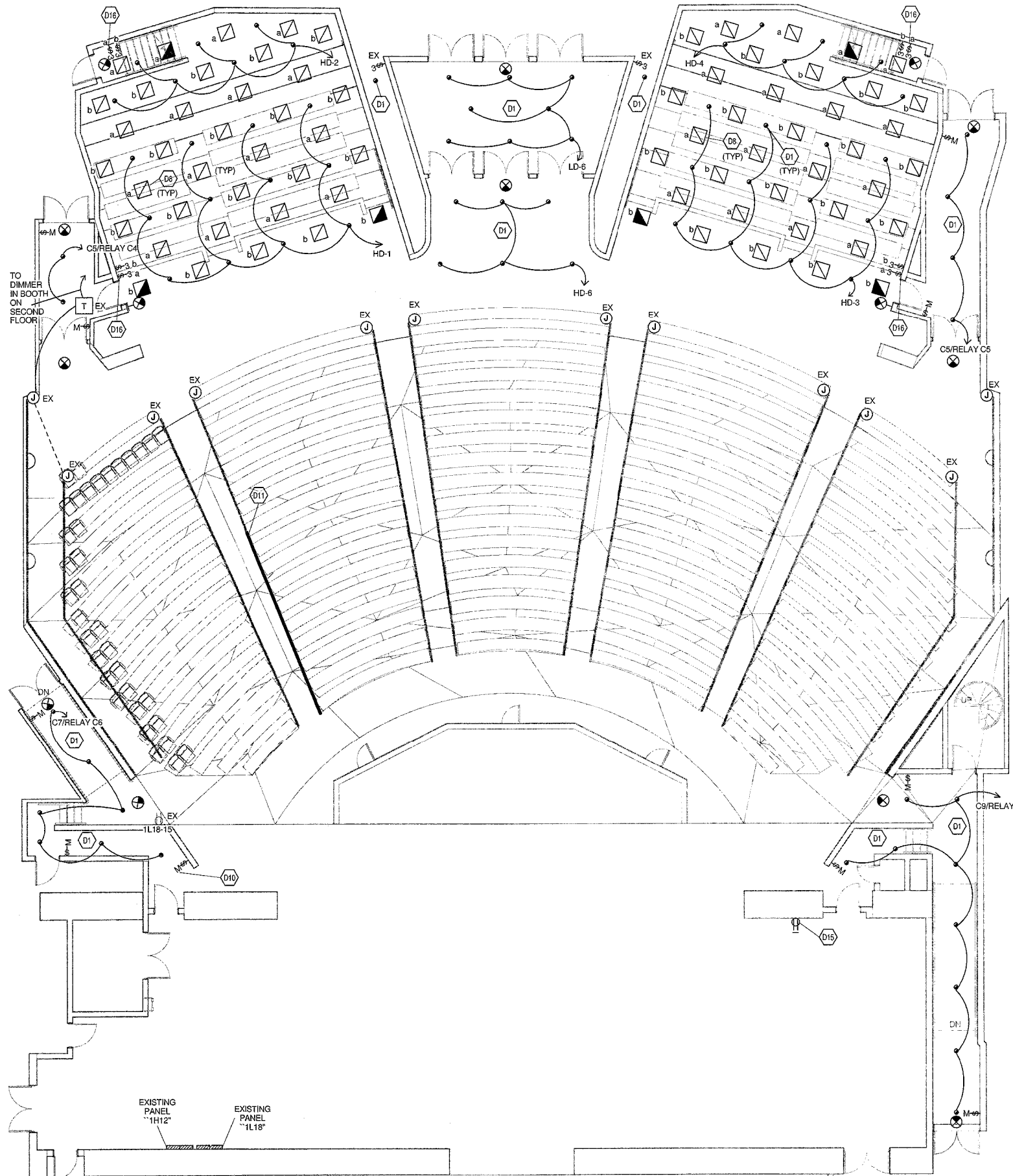
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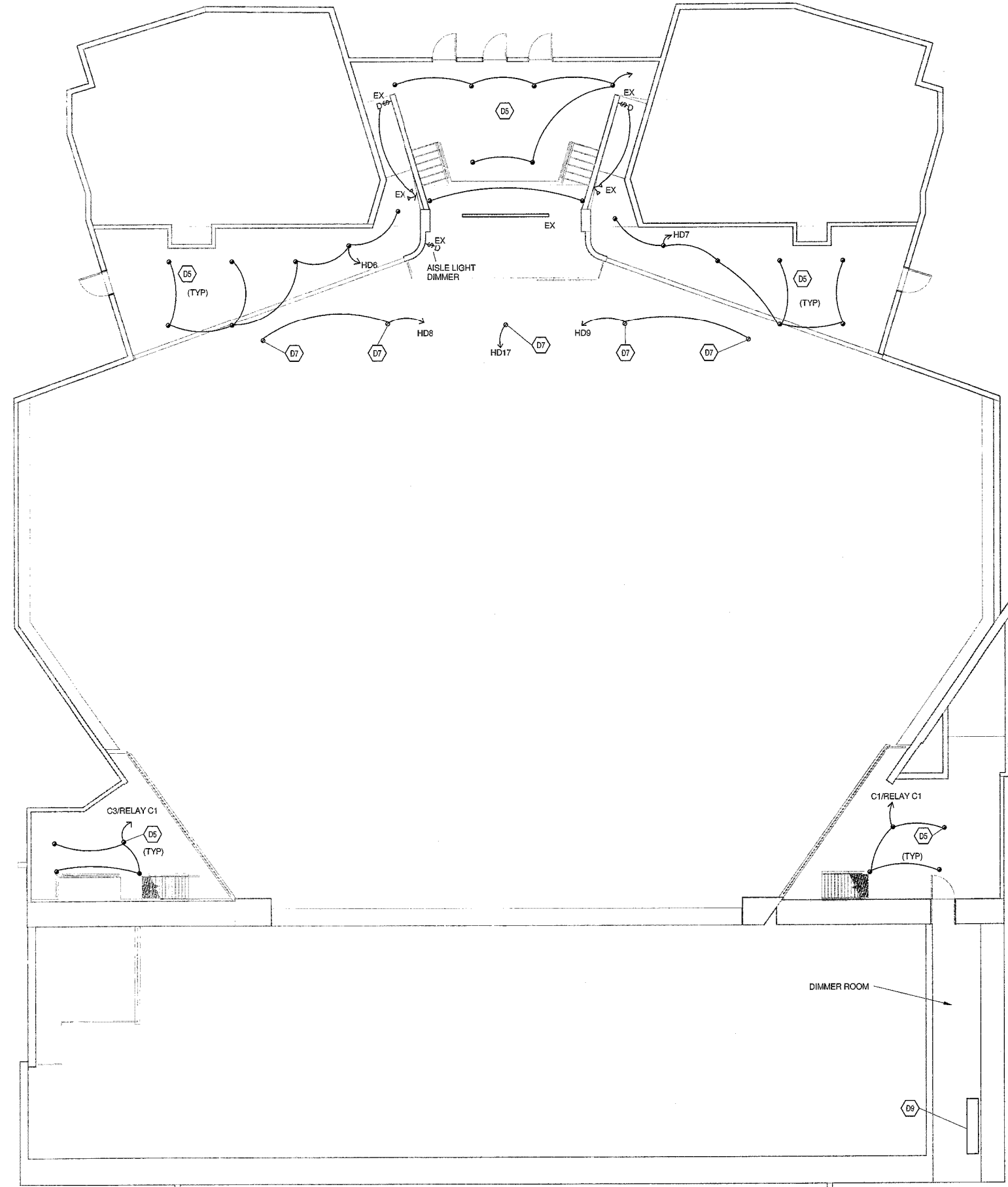
<b>FLOOR PLANS - UNIT G - ELECTRICAL DEMOLITION</b>	
DATE: 05/24/17	REV: 01
DESCRIPTION: DEMOLITION	DATE: 05/24/17
BY: JCH	DATE: 05/24/17
CHECKED BY: JCH	DATE: 05/24/17
PROJECT NO: 216107.00	DATE: 05/24/17
<b>ED0.01</b>	
LAWRENCE CENTRAL HIGH SCHOOL 216107.00	



**FIRST FLOOR PLAN - UNIT G - ELECTRICAL DEMOLITION**

1/8" = 1'-0"

Keynote Legend	
D1	REMOVE LIGHT FIXTURE(S). CONDUIT AND WIRING TO REMAIN.
D5	REMOVE INCANDESCENT LAMP IN FIXTURE. FIXTURE HOUSING, CONDUIT AND WIRING TO REMAIN. SEE SHEET E4.01.
D7	REMOVE RECESSED HOUSE LIGHT FIXTURE. CONDUIT AND WIRING TO REMAIN.
D8	REMOVE LIGHT FIXTURE, CONDUIT, AND WIRING.
D9	STAGE DIMMER BOARD "SBD" TO BE REPLACED. EXISTING ELECTRICAL FEEDER TO REMAIN. COORDINATE WITH THEATRICAL CONTRACTOR.
D10	LIGHT SWITCH TO BE REPLACED. REFER TO TL SERIES DRAWINGS. (TYPICAL).
D11	REPAIR NON-WORKING SECTION OF AISLE LIGHT FIXTURE ON FLOOR, FROM THIS POINT SOUTH.
D15	DISCONNECT ISOLATED GROUND RECEPTACLE IN STAGE MANAGERS RACK. EXISTING CIRCUIT TO BE REUSED. SEE SHEET E5.01.
D16	REMOVE LIGHT SWITCH AND WIRING. BACKBOX AND CONDUIT UP TO ABOVE CEILING TO BE REUSED. SEE SHEET TL1.01.

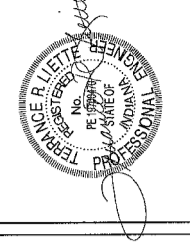


**SECOND FLOOR PLAN - UNIT G - ELECTRICAL DEMOLITION**

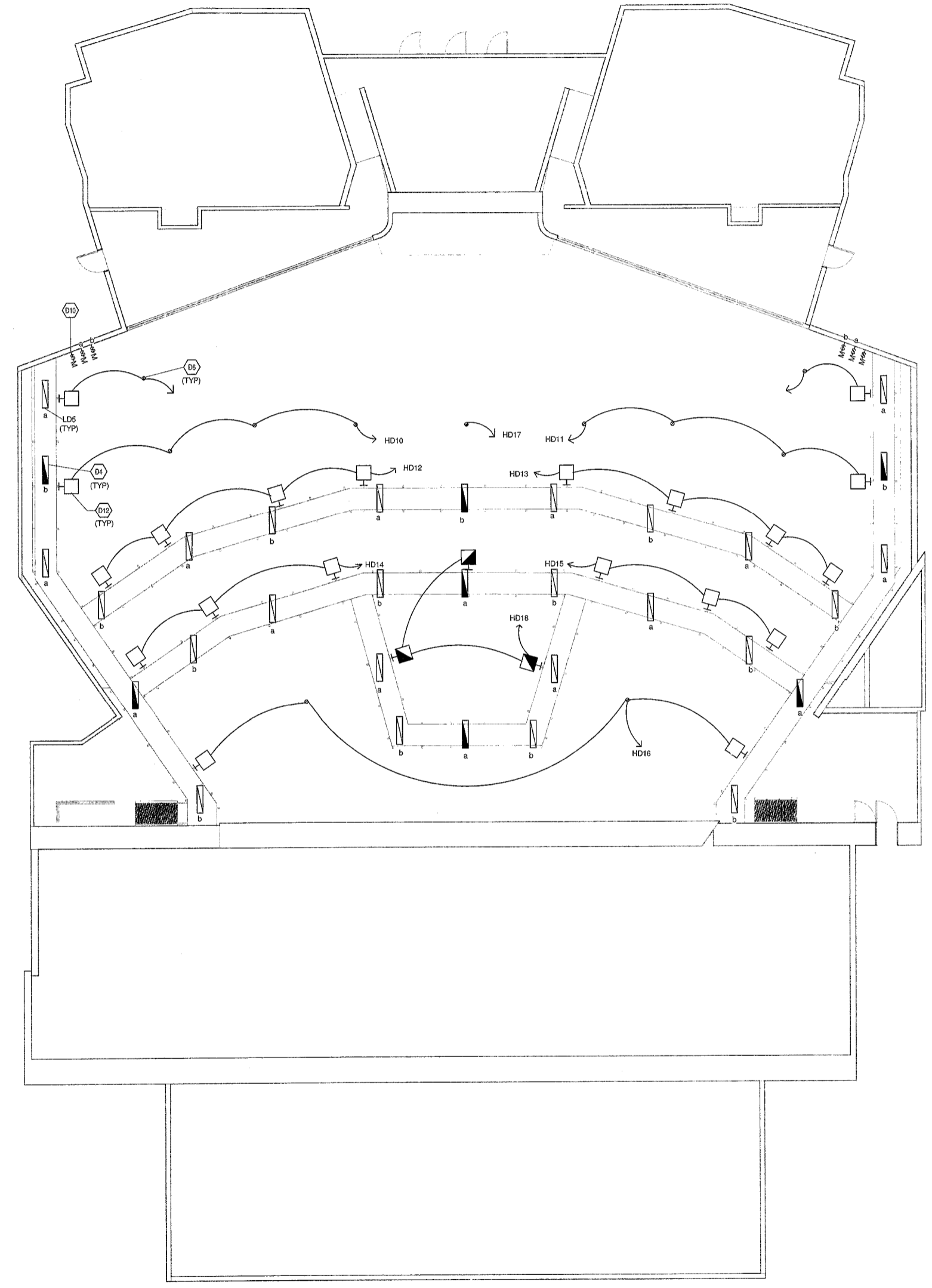
1/8" = 1'-0"

- GENERAL NOTES
- REFER TO ELECTRICAL SPECIFICATIONS SECTION 250005, "ELECTRICAL DEMOLITION" FOR ADDITIONAL REQUIREMENTS THAT APPLY TO THIS SHEET.
  - ALL EQUIPMENT AND CONDUIT SHOWN ON THIS DEMOLITION DRAWING IS EXISTING AND SHALL REMAIN IN SERVICE UNLESS NOTED OTHERWISE.

VERIFICATION NOTE  
 CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.  
 SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

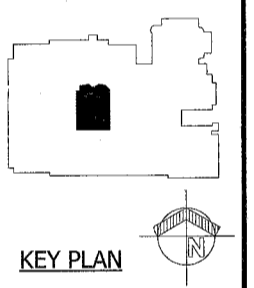


Keynote Legend	
D4	REMOVE INTERIOR OF WORK LIGHT FIXTURE(S), WHICH INCLUDES LAMPS, SOCKETS, BALLAST COVER AND BALLAST. FIXTURE CONNECTED TO EMERGENCY TRANSFER RELAY IN DIMMING PANEL. CONDUIT AND WIRING TO REMAIN. SEE SHEET E4-02.
D6	REMOVE HOUSE LIGHT FIXTURE. CONDUIT AND WIRING TO REMAIN.
D10	LIGHT SWITCH TO BE REPLACED. REFER TO 'TL' SERIES DRAWINGS. (TYPICAL).
D12	REMOVE HOUSE LIGHT FIXTURE MOUNTED TO CATWALK. CONDUIT AND WIRING TO REMAIN.



**CATWALK LEVEL PLAN - UNIT G - ELECTRICAL DEMOLITION**  
1/8" = 1'-0"

**LAWRENCE CENTRAL HIGH SCHOOL**  
AUDITORIUM RENOVATION - PHASE ONE  
METROPOLITAN SCHOOL DISTRICT  
OF LAWRENCE TOWNSHIP  
7300 EAST 56TH STREET, INDIANAPOLIS, IN 46226



GENERAL NOTES

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- ALL EQUIPMENT AND CONDUIT SHOWN ON THIS DEMOLITION DRAWING IS EXISTING AND SHALL REMAIN IN SERVICE UNLESS NOTED OTHERWISE.

VERIFICATION NOTE

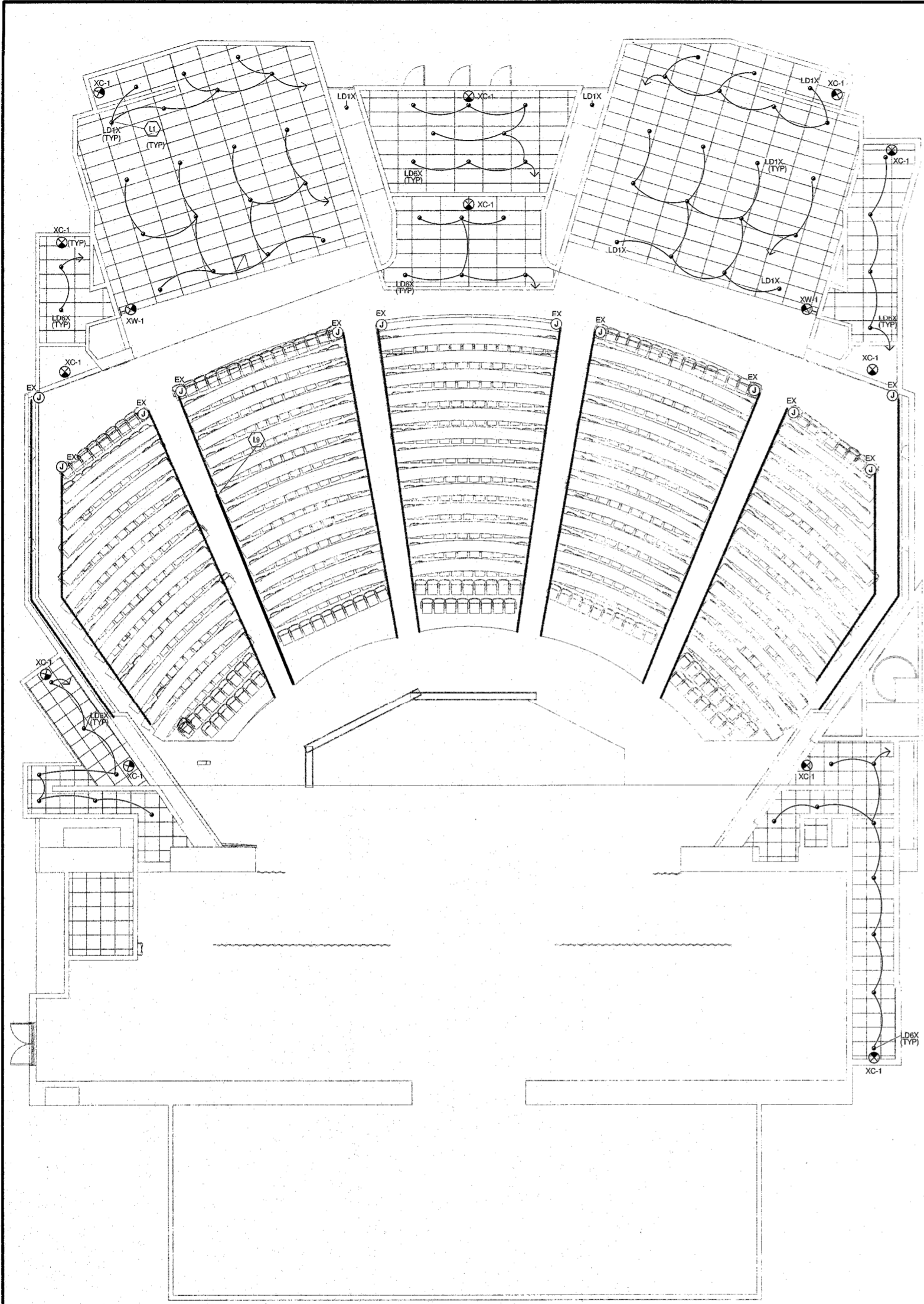
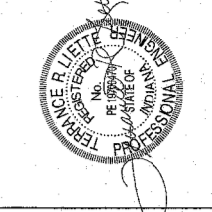
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

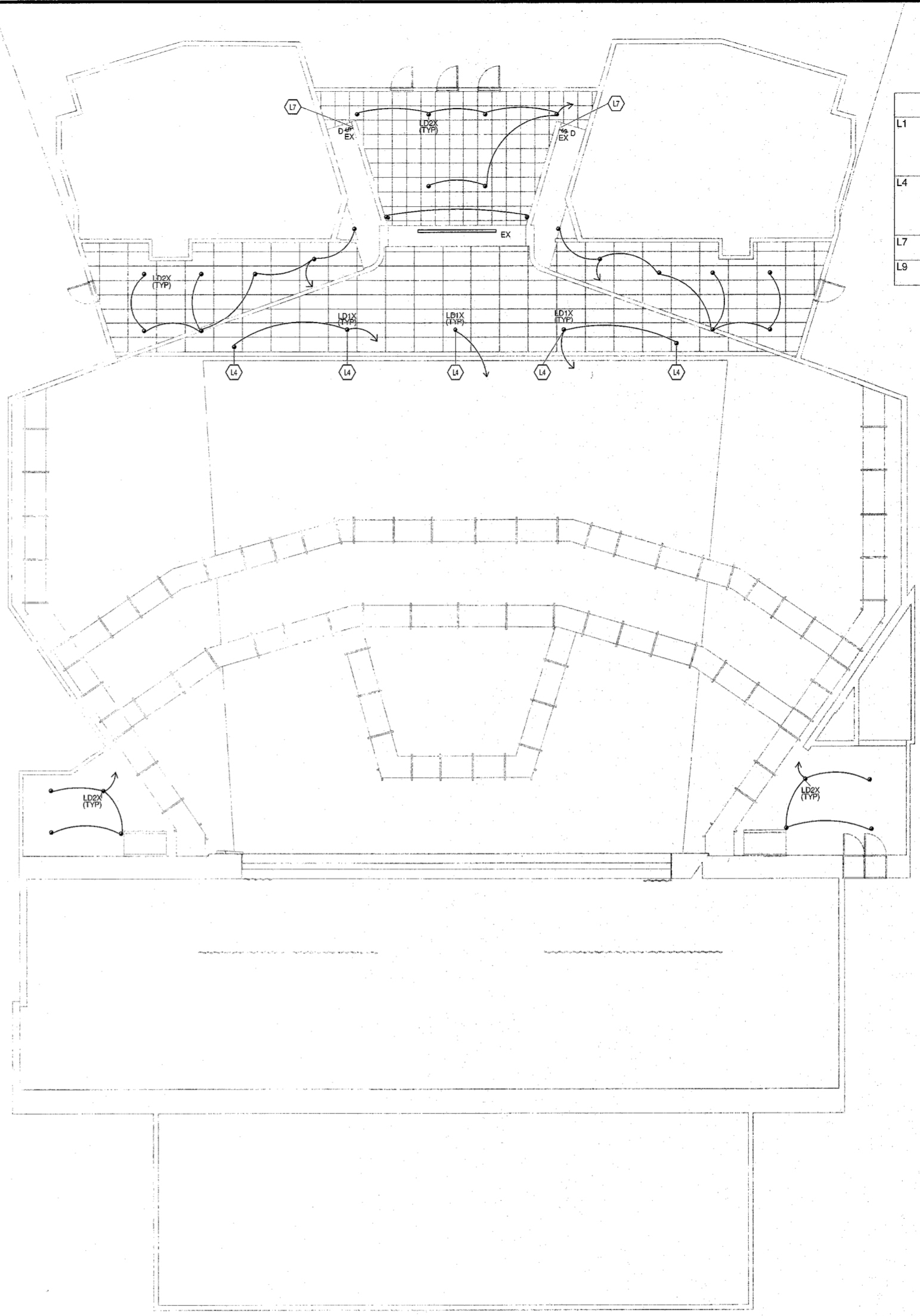
**FANNING HOWEY**  
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<b>CATWALK PLAN - UNIT G - ELECTRICAL DEMOLITION</b>	
CONTRACT NO. 216107.00	ISSUE DATE: 05/25/17
DATE: 05/25/17	REV. DESCRIPTION DATE
<b>ED0.02</b>	
LAWRENCE CENTRAL HIGH SCHOOL 216107.00	





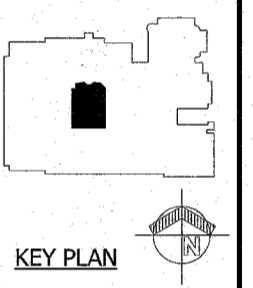
FIRST FLOOR PLAN - UNIT G - LIGHTING  
1/8" = 1'-0"



SECOND FLOOR PLAN - UNIT G - LIGHTING  
1/8" = 1'-0"

Keynote Legend	
L1	CONNECT LIGHT FIXTURE(S) TO EXISTING CONDUIT AND WIRING. LIGHT FIXTURE(S) TO BE CONTROLLED VIA DIMMING RACK
L4	PROVIDE HOUSE LIGHT FIXTURE IN SAME LOCATION WHERE EXISTING FIXTURE WAS REMOVED AND CONNECT TO EXISTING CONDUIT AND WIRING.
L7	PROVIDE NEW DIMMER KNOB ON EXISTING DIMMER.
L9	CLEAN REPAIRED LIGHT FIXTURE.

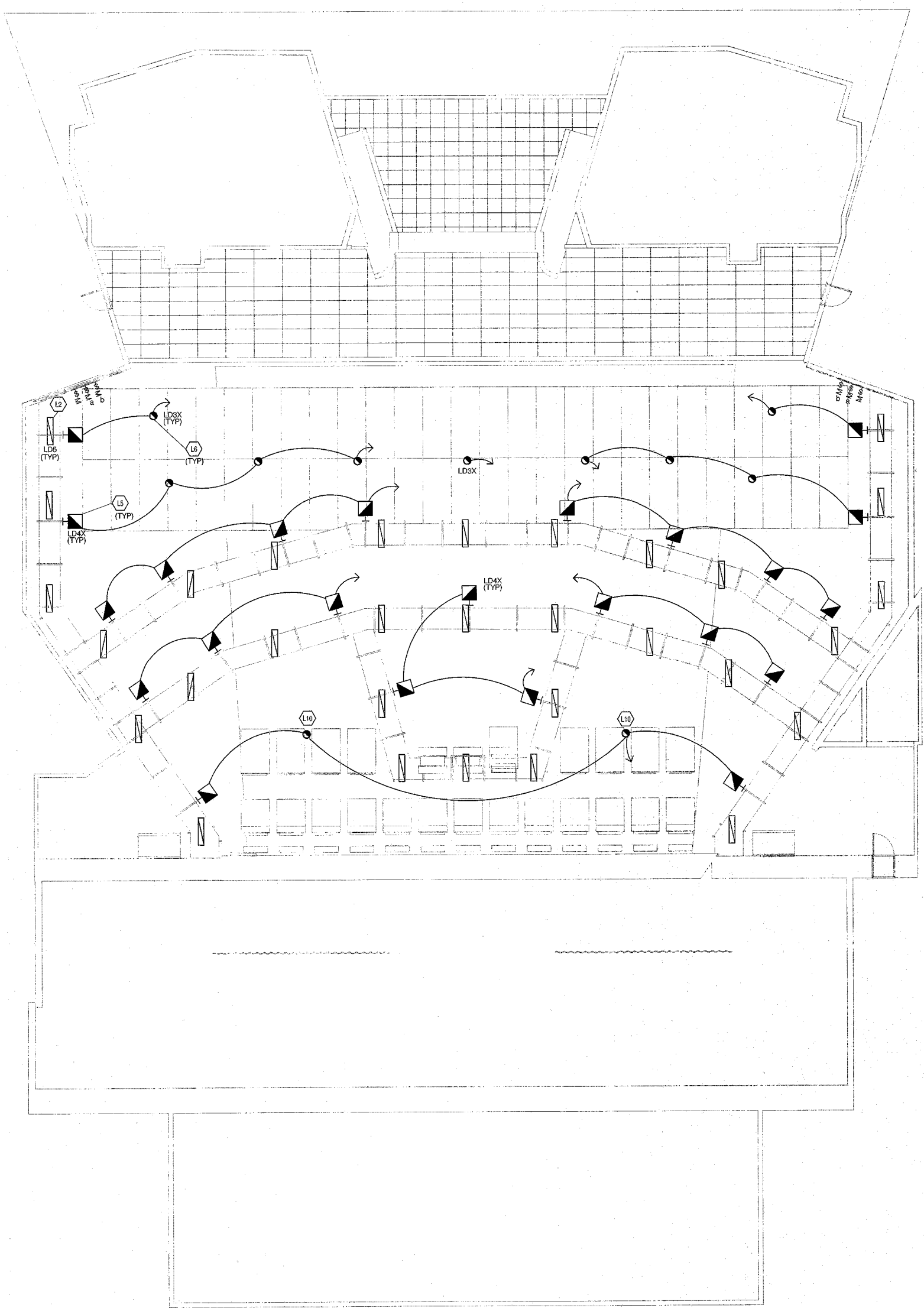
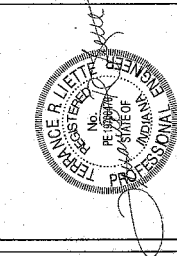
**LAWRENCE CENTRAL HIGH SCHOOL**  
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7300 EAST 56TH STREET, INDIANAPOLIS, IN 46226



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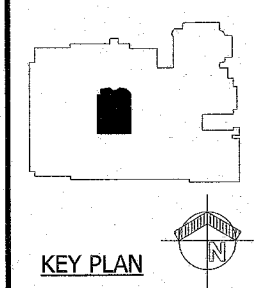
FLOOR PLANS - UNIT G - LIGHTING	
DESIGNED BY: AFD	CONTRACT NO.: 216107.00
CHECKED BY: DAN	ISSUE DATE: 05/09/17
REV. DESCRIPTION	DATE
<b>E4-01</b>	
LAWRENCE CENTRAL HIGH SCHOOL 216107.00	

**VERIFICATION NOTE**  
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Keynote Legend	
L2	INSTALL WORK LIGHT FIXTURE IN EXISTING FIXTURE HOUSING WITH LENS AND CONNECT TO EXISTING CONDUIT AND WIRING. CLEAN LENS.
L5	PROVIDE HOUSE LIGHT FIXTURE AND MOUNT ON CATWALK IN SAME LOCATION WHERE EXISTING FIXTURE WAS REMOVED AND CONNECT TO EXISTING CONDUIT AND WIRING.
L6	PROVIDE MOUNTING PLATE OVER EXISTING FIXTURE OPENING AND PAINT TO MATCH CEILING. PROVIDE PENDANT MOUNTED HOUSE LIGHT FIXTURE, SUSPENDED FROM MOUNTING PLATE AND CONNECT TO EXISTING CONDUIT AND WIRING.
L10	PROVIDE MOUNTING PLATE OVER EXISTING FIXTURE OPENING AND PAINT TO MATCH CEILING. PROVIDE PENDANT MOUNTED HOUSE LIGHT FIXTURE, SUSPENDED FROM MOUNTING PLATE SO BOTTOM OF FIXTURE IS EVEN WITH BOTTOM OF CATWALK AND CONNECT TO EXISTING CONDUIT AND WIRING.

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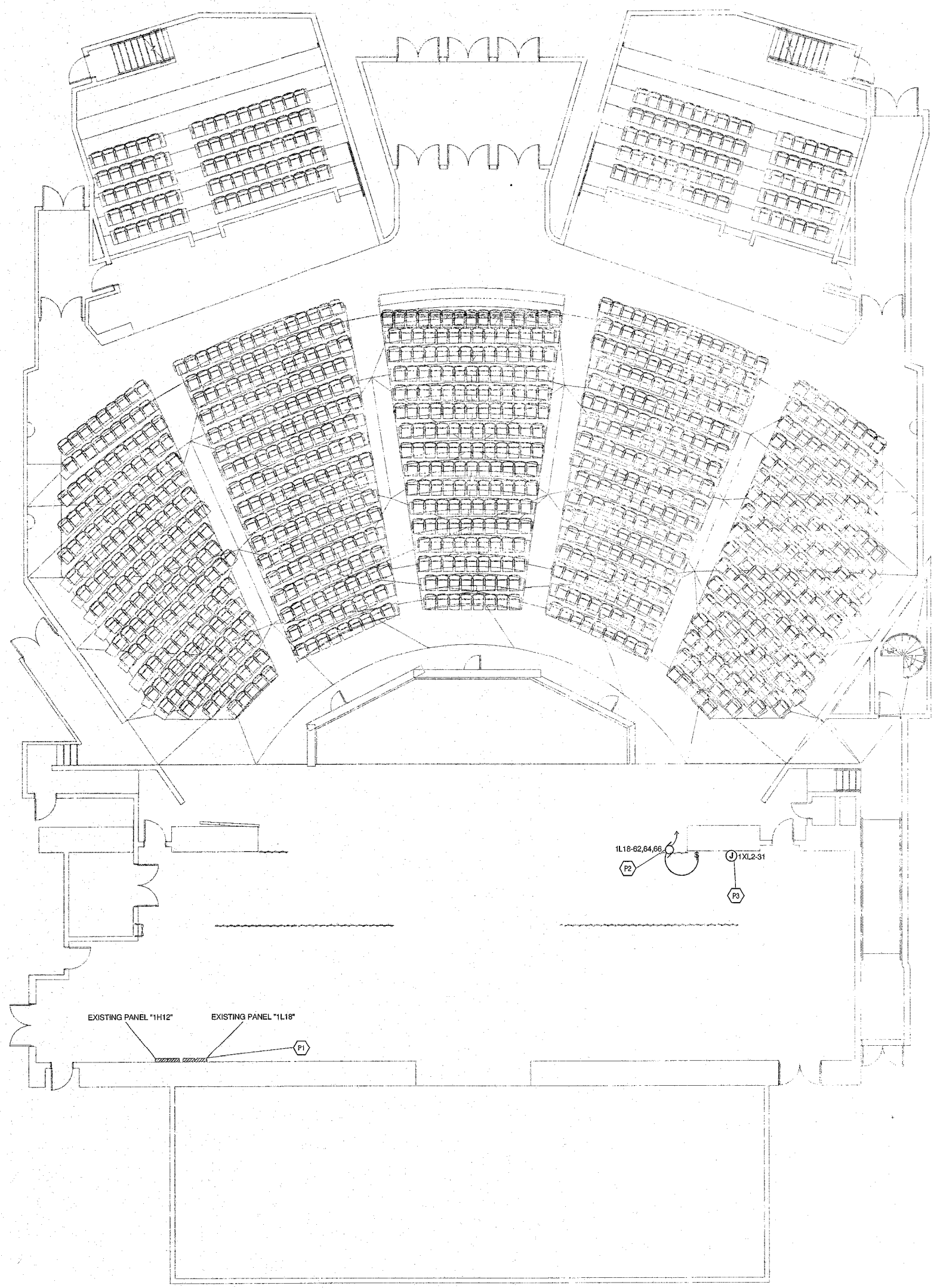
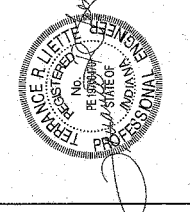


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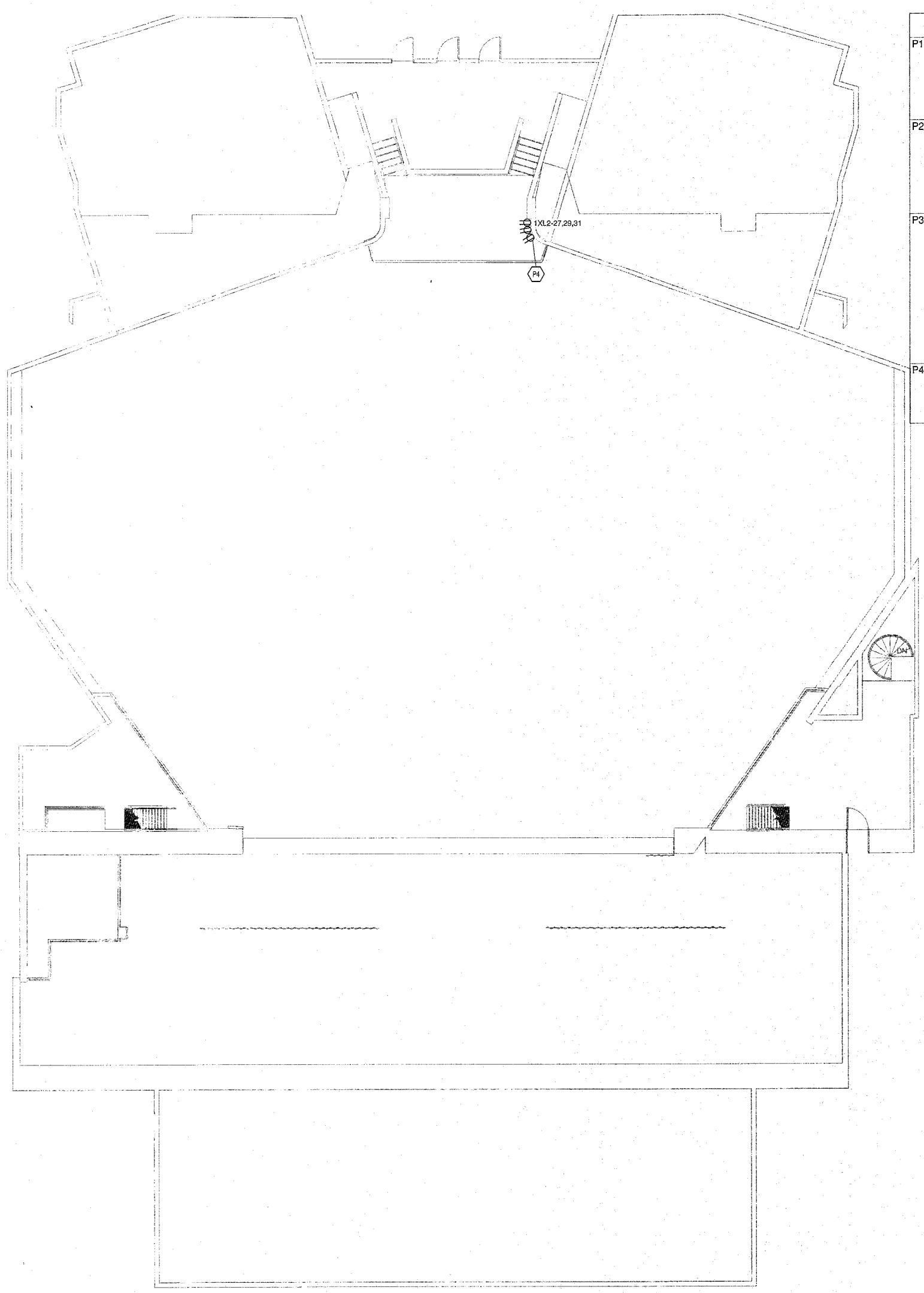
**CATWALK LEVEL PLAN - UNIT G - LIGHTING**  
 1/8" = 1'-0"

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<b>CATWALK LEVEL PLAN - UNIT G - LIGHTING</b>	
DESIGNED BY: JAC	DATE: 05/2017
CHECKED BY: JAC	DATE: 05/2017
ISSUED BY: JAC	DATE: 05/2017
REV. NO.	DESCRIPTION
<b>E4.02</b>	



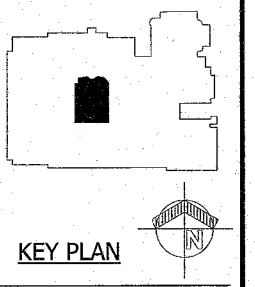
**FIRST FLOOR PLAN - UNIT G - POWER**  
1/8" = 1'-0"



**UNIT A - SECOND FLOOR POWER PLAN**  
1/8" = 1'-0"

Keynote Legend	
P1	ADJUST EXISTING CIRCUIT BREAKERS AND PROVIDE A 20 AMP 3 POLE CIRCUIT BREAKER IN SPACE OF PANEL FOR "FIRE CURTAIN" AND UPDATE CIRCUIT INDEX CARD.
P2	PROVIDE POWER TO FIRE CURTAIN MOTOR PACKAGE, (7.5 AMP 208V 3PH) AND EXTEND CONDUIT AND WIRING TO PANEL. COORDINATE WITH CURTAIN MOTOR INSTALLER.
P3	PROVIDE EXTENDED POWER CIRCUIT FROM SOUND SYSTEM EQUIPMENT RACK IN BOOTH ON SECOND FLOOR. COORDINATE WITH SOUND CONTRACTOR. ALSO PROVIDE ISOLATED GROUND RECEPTACLE AND CONNECT TO CIRCUIT THAT WAS DISCONNECTED FROM EXISTING STAGE MANAGERS RACK.
P4	INTERCEPT EXISTING CIRCUIT PANEL XL2-31, AND EXTEND TO STAGE MANAGERS RACK ON STAGE. SEE SHEET E5.01.

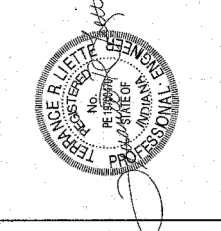
**LAWRENCE CENTRAL HIGH SCHOOL**  
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<b>FLOOR PLANS - UNIT G - POWER</b>	
DRAWN BY: APO	COMMA NO.: 216107.00
CHECKED BY: DMH	ISSUE DATE: 05/29/17
<b>E5.01</b>	
LAWRENCE CENTRAL HIGH SCHOOL 216107.00	

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LUMINAIRE SCHEDULE									
PLAN TYPE	MANUFACTURER/CATALOG	MOUNTING	LAMPS				APPLIED VOLTAGE	DESCRIPTION	VA LOAD
			NO.	WATTS	TYPE	LUMENS			
LD1X	AQUARIUM ZINO SERIES ALTMAN LIGHTING CDP70 SERIES	RECESSED	1	75 W	LED	7500 lm	120 V	6-INCH ROUND LED DOWNLIGHT, VERY WIDE FLOOD REFLECTOR, GLARE REDUCER WHITE TRIM RING, DMX DIMMING TO 0%, 3000K CCT, 90 CRI, CONNECTED TO EMERGENCY TRANSFER RELAY IN DIMMING PANEL. FIXTURE MUST WORK WITH SELECTED DIMMING SYSTEM AND WIRING.	75 VA
LD2X	CANTOUS, THE RETRO 500	RECESSED	1	42 W	LED	3000 lm	120 V	4.5-INCH ROUND ENERGY EFFICIENT LED LIGHT ENGINE DESIGNED TO RETROFIT INTO AN EXISTING FIXTURE, CLEAR SPECULAR FINISH, CONVENTIONALLY DIMMED, NO CONTROL WIRE REQUIRED, 3000K CCT, 90CRI, 60 DEGREE BEAM ANGLE, CONNECTED TO EMERGENCY TRANSFER RELAY IN DIMMING PANEL. FIXTURE MUST WORK WITH SELECTED DIMMING SYSTEM AND WIRING.	42 VA
LD3X	ETC AROSYSYSTEM SERIES, PRO FOUR-CELL PENDANT ARCP4R ALTMAN LIGHTING CDP70 SERIES	PENDANT	1	100 W	LED	5458 lm	120 V	ROUND CYLINDER DOWNLIGHT, 60 DEGREE REFLECTOR, MATTE WHITE FINISH, BLACK HOUSING FINISH, DMX DIMMING TO 0%, 3000K CCT, 90 CRI, CONNECTED TO EMERGENCY TRANSFER RELAY IN DIMMING PANEL. FIXTURE MUST WORK WITH SELECTED DIMMING SYSTEM AND WIRING.	100 VA
LD4X	ETC AROSYSYSTEM SERIES, PRO ARCP4S ALTMAN LIGHTING CDP70 SERIES	SURFACE	1	100 W	LED	5458 lm	120 V	DOWNLIGHT MOUNTED TO JUNCTION BOX ON CATWALKS VERTICAL SUPPORT, 60 DEGREE REFLECTOR, MATTE WHITE FINISH, BLACK HOUSING FINISH, DMX DIMMING TO 0%, 3000K CCT, 90 CRI, CONNECTED TO EMERGENCY TRANSFER RELAY IN DIMMING PANEL. FIXTURE MUST WORK WITH SELECTED DIMMING SYSTEM AND WIRING.	100 VA
LD5	LITHONIA ZLIN SERIES STARTEK STARPOWER NOVA SERIES MERCURY LIGHTING LS SERIES	SURFACE	1	42 W	LED	5000 lm	120 V	4", SURFACE MOUNTED, WHITE STEEL HOUSING, STRIP LIGHT, 3000K, 80 CRI.	42 VA
LD6X	ETC AROSYSYSTEM SERIES, PRO ONE-CELL FIXED ARCP1 LUCIFER FARFFS SERIES	RECESSED	1	25 W	LED	1646 lm	120 V	ROUND LED DOWNLIGHT, MINIMUM 60 DEGREE BEAM ANGLE, WHITE TRIM RING, DMX DIMMING TO 0%, 3000K CCT, 90 CRI, CONNECTED TO EMERGENCY TRANSFER RELAY IN DIMMING PANEL. FIXTURE MUST WORK WITH SELECTED DIMMING SYSTEM AND WIRING.	25 VA
XC-1	SURE-LITES CX SERIES MCPHILBEN 55 LINE SERIES LITHONIA SIGNATURE SERIES DUAL-LITE SEMIRA SERIES MULE LIGHTING MERIDIAN SERIES	SURFACE CEILING	0	0 W	RED LED	0 lm	277 V	CAST ALUMINUM EXIT SIGN, QUANTITY FACES AND DIRECTIONAL ARROWS INDICATED, WHITE FACE, WHITE HOUSING, MULTI VOLT, EMERGENCY TRANSFER DEVICE.	5 VA
XW-1	SURE-LITES CX SERIES MCPHILBEN 55 LINE SERIES LITHONIA SIGNATURE SERIES DUAL-LITE SEMIRA SERIES MULE LIGHTING MERIDIAN SERIES	SURFACE WALL	0	0 W	RED LED	0 lm	277 V	CAST ALUMINUM EXIT SIGN, QUANTITY FACES AND DIRECTIONAL ARROWS INDICATED, WHITEFACE, WHITE HOUSING, MULTI VOLT, EMERGENCY TRANSFER DEVICE.	5 VA

**LUMINAIRE SCHEDULE - GENERAL NOTES**

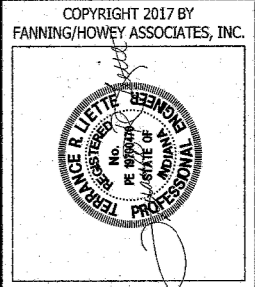
- ALL LAMPS LISTED IN SCHEDULE ARE SYLVANIA CATALOG NUMBERS, UNLESS OTHERWISE NOTED. EQUAL LAMPS BY MANUFACTURERS INDICATED IN SPECIFICATION SECTIONS 265600 ARE ACCEPTABLE.
- SEE SPECIFICATIONS FOR BALLAST REQUIREMENTS.
- FOR ALL DOWNLIGHTING FIXTURES, PROVIDE REQUIRED MOUNTING HARDWARE FOR MOUNTING IN LAY-IN TYPE CEILINGS.
- CONTRACTOR TO VERIFY TYPES AND QUANTITY OF LIGHT FIXTURES REQUIRING EMERGENCY TRANSFER DEVICES AND PROVIDE REQUIRED QUANTITY OF EMERGENCY TRANSFER DEVICES, LABOR, MATERIAL, ETC. IN THE PROJECT BID FOR FIELD INSTALLATION OF EMERGENCY TRANSFER DEVICES.
- LIGHT FIXTURE SUBMITTALS TO INCLUDE DATA SHEETS FOR ALL FIXTURE TYPES, INCLUDING ADDITIONAL DATA SHEETS FOR BALLAST COMBINATIONS REQUIRED TO MEET THE INSTALLATION REQUIREMENTS OF THE VARIOUS FIXTURE TYPES INDICATED IN THE REMARKS COLUMN OF THE FIXTURE SCHEDULES OR ON THE DRAWINGS. SUBMITTALS SHALL ALSO INDICATE COLOR FOR ANY CUSTOM COLOR LIGHT FIXTURES.

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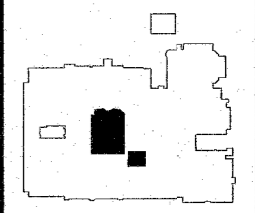
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317-848-0966

LUMINAIRE SCHEDULES	
DRAWN BY: JAO	DATE: 2/16/2017
CHECKED BY: DAN	ISSUE DATE: 05/20/17
<b>E8.1</b>	
LAWRENCE CENTRAL HIGH SCHOOL 2/16/17/00	

ROOM LEGEND - FIRST FLOOR UNIT G	
ROOM NO.	ROOM NAME
G1	STAIR
G11	STAIR
G104	LECTURE
G105	LECTURE
G107	VOMITORY
G109	VOMITORY
G110	VOMITORY
G111	AUDITORIUM
G112	ORCHESTRA LIFT
G113	CATWALK ACCESS
G114	CORRIDOR
G115	STORAGE
G116	STAGE
G117	PIANO STORAGE
G119	PASSAGE



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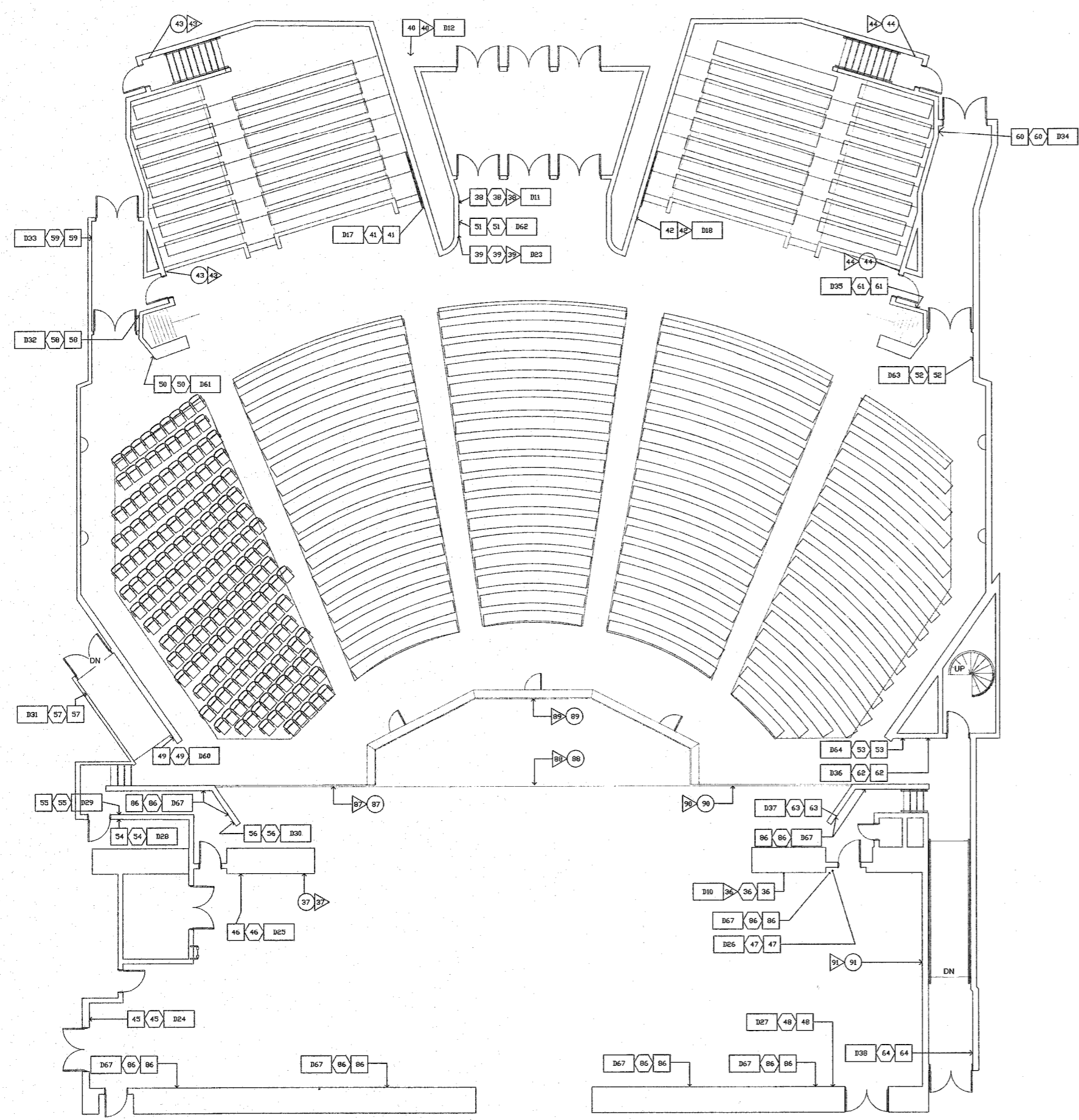


KEY PLAN

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FIRST FLOOR PLAN - UNIT G - THEATRICAL LIGHTING	
CONTRACT NO.: 216107.00	ISSUE DATE: 05.09.2017
DRAWN BY: RH	CHECKED BY: LS
<b>TL1.01</b>	
LAWRENCE CENTRAL HIGH SCHOOL 216107.00	

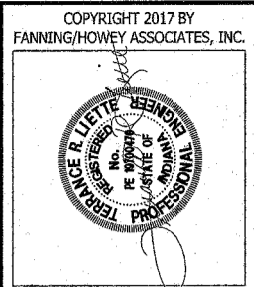
Existing conduit - Square  
 New conduit - Circle  
 Existing wire - Hexagon  
 New wire - Triangle



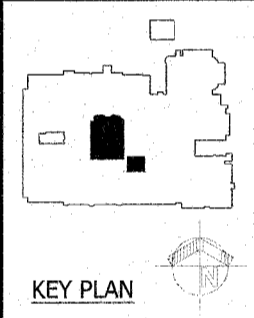
**1**  
**FIRST FLOOR PLAN - UNIT G -**  
**THEATRICAL LIGHTING**  
 SCALE: 1/8" = 1'-0"

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ROOM LEGEND - UPPER LEVELS UNIT G	
ROOM NO.	ROOM NAME
G201	LOWER BOOTH
G202	UPPER BOOTH
G207	MEZZANINE
G208	WEST SPOTLIGHT
G209	EAST SPOTLIGHT
G210	Room
G211	WEST GALLERY
G212	EAST GALLERY



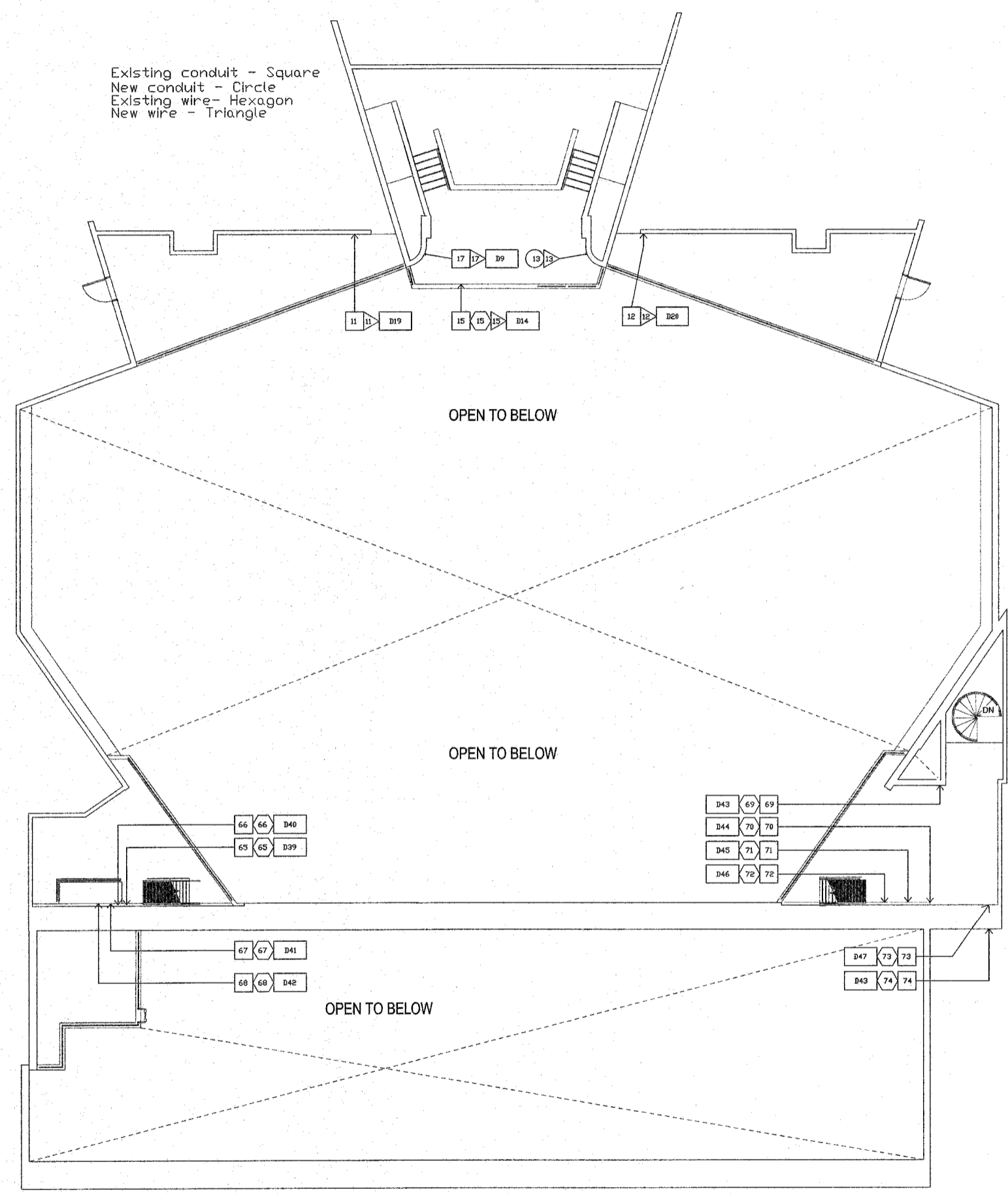
**LAWRENCE CENTRAL HIGH SCHOOL**  
**AUDITORIUM RENOVATION-PHASE ONE**  
 METROPOLITAN SCHOOL DISTRICT  
 OF LAWRENCE TOWNSHIP  
 7300 EAST 56TH STREET, INDIANAPOLIS, IN 46226



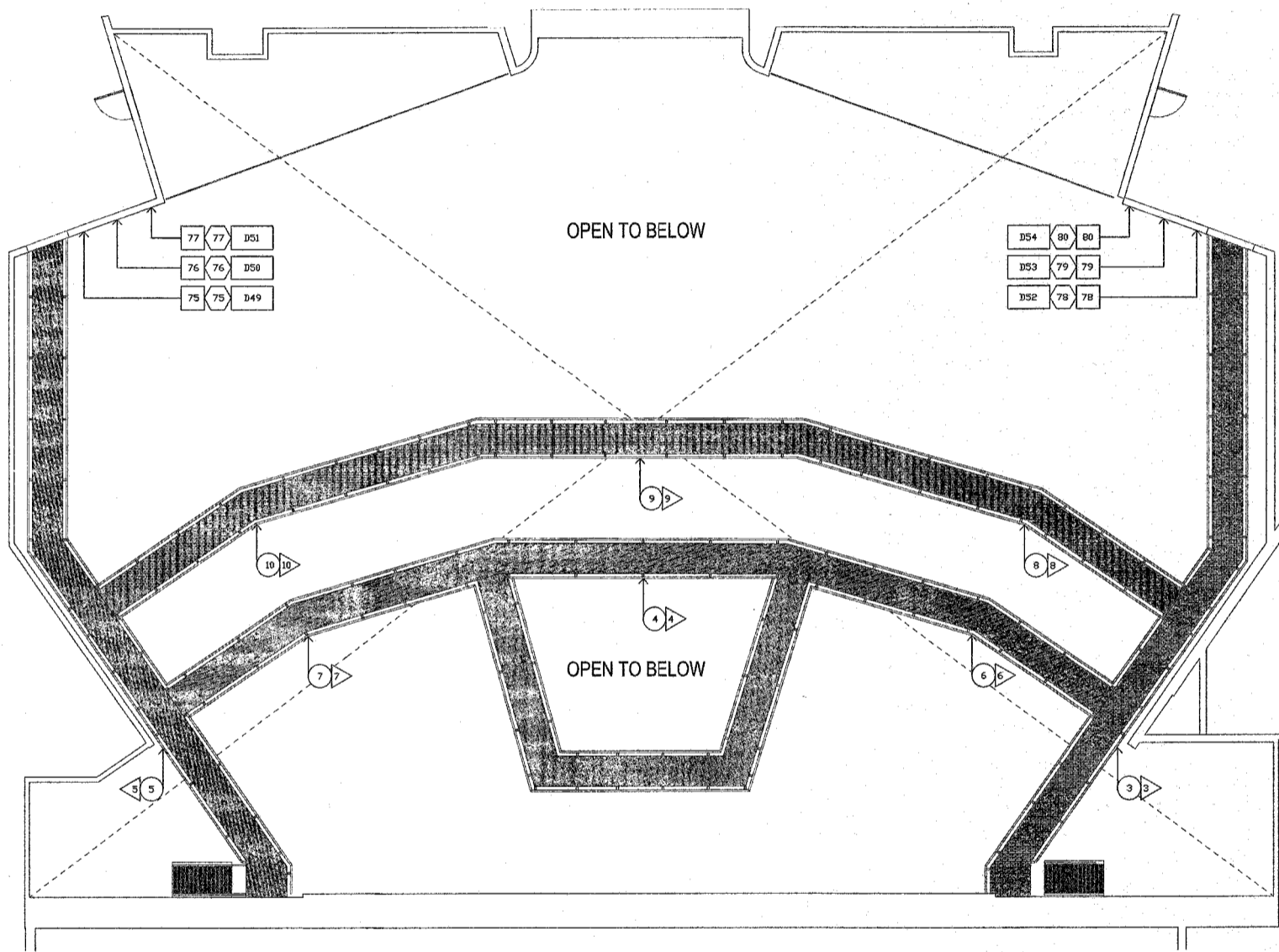
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FLOOR PLANS - UNIT G - THEATRICAL LIGHTING	
DRAWN BY: RB	CONTR. NO.: 216107.00
CHECKED BY: LB	ISSUE DATE: 05/09/2017
REV. DESCRIPTION	DATE
<b>TL1.02</b>	
LAWRENCE CENTRAL HIGH SCHOOL 216107.00	

Existing conduit - Square  
 New conduit - Circle  
 Existing wire - Hexagon  
 New wire - Triangle



**1 LOWER, UPPER BOOTH & SECOND FLOOR - UNIT G - THEATRICAL LIGHTING**  
 SCALE: 1/8" = 1'-0"

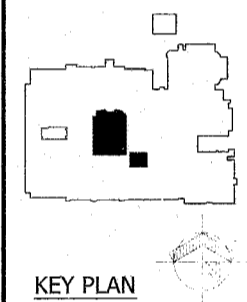


**2 CATWALK LEVEL PLAN - UNIT G - THEATRICAL LIGHTING**  
 SCALE: 1/8" = 1'-0"

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AUDITORIUM RENOVATION-PHASE ONE  
METROPOLITAN SCHOOL DISTRICT  
OF LAWRENCE TOWNSHIP  
7300 EAST 56TH STREET, INDIANAPOLIS, IN 46226



KEY PLAN

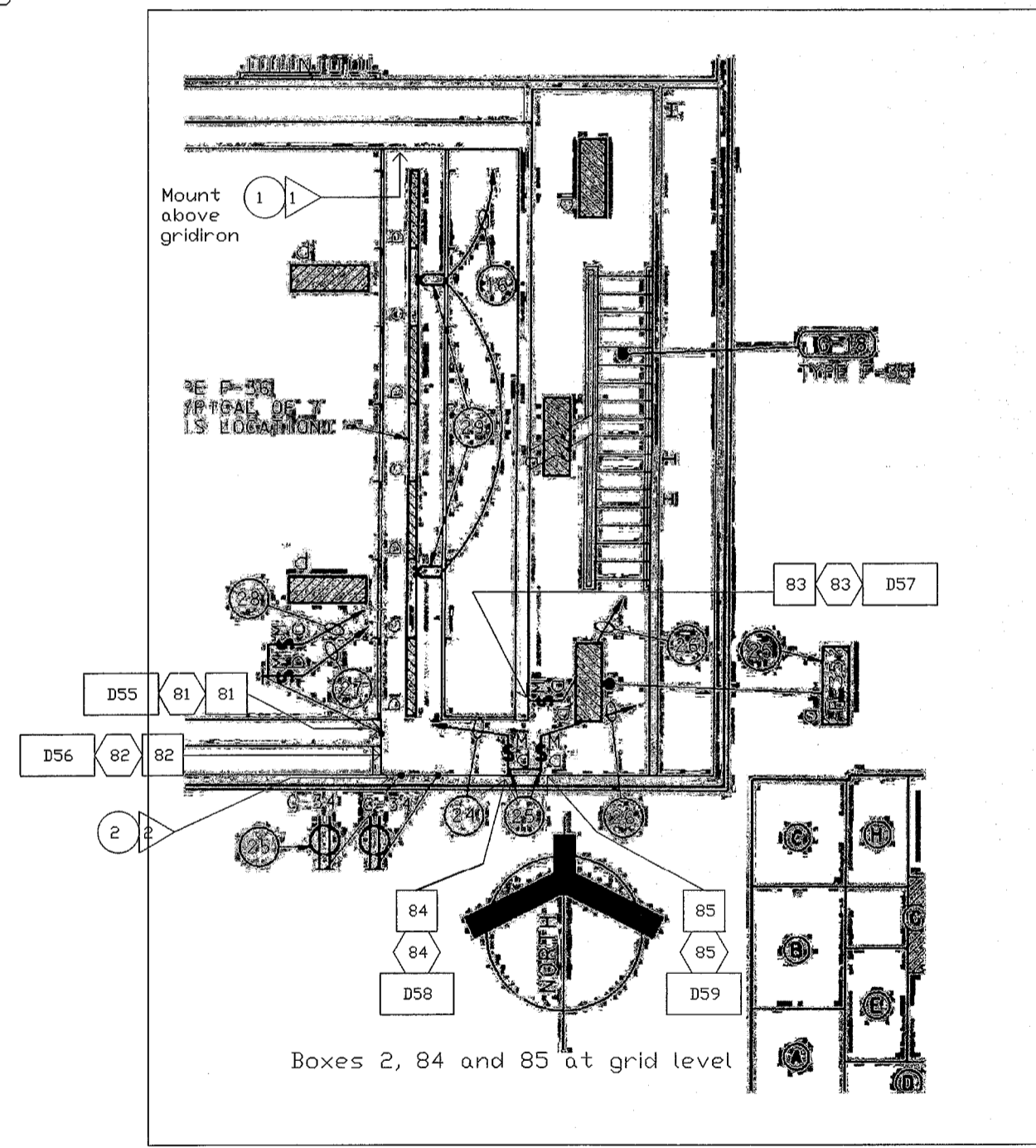
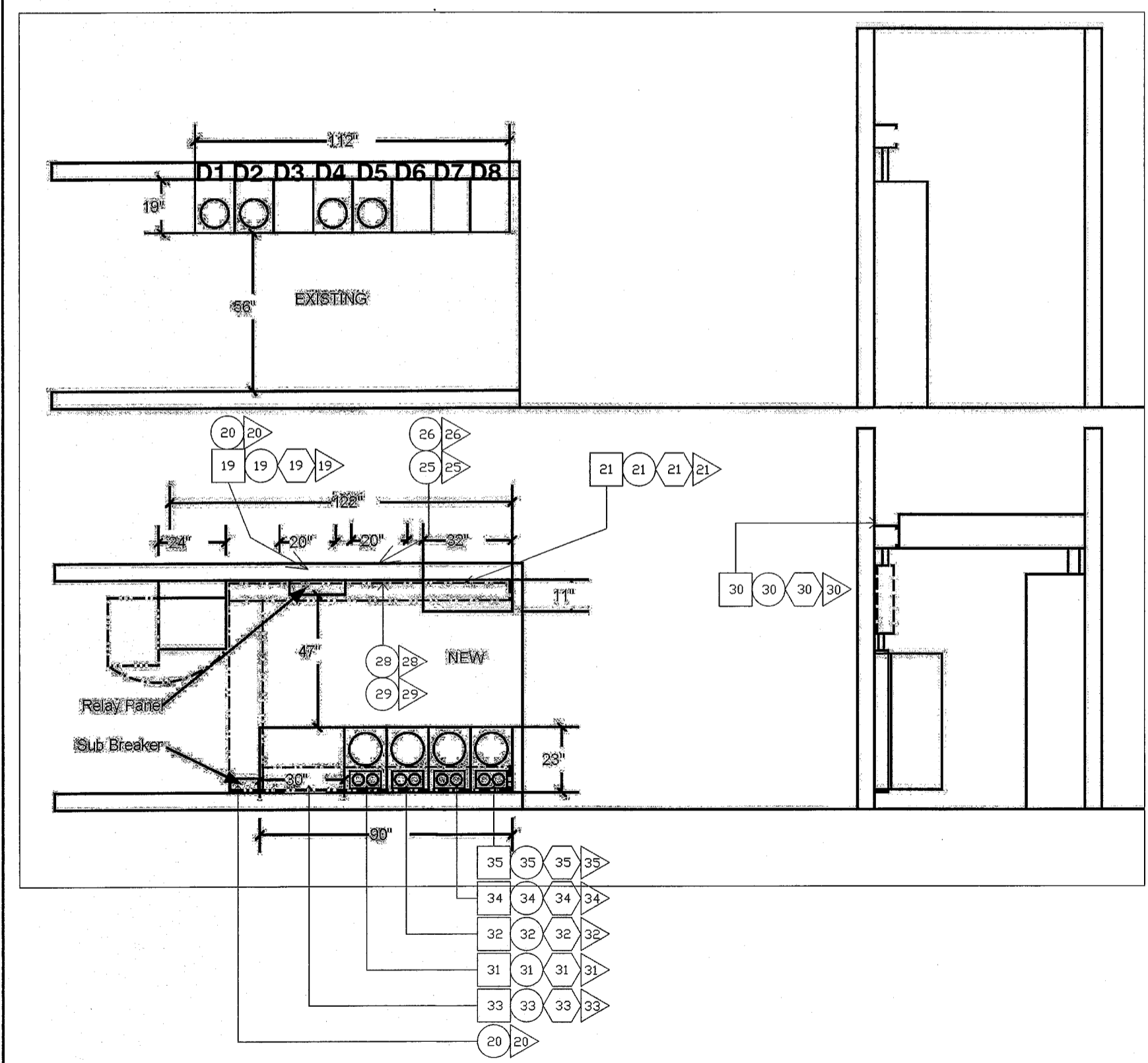
**FANNING HOWEY**  
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317-848-0966

<b>DIMMER AND LOADING BRIDGE PLANS</b>	
CONTRACT NO.: 216107.00	DATE: 06/08/2017
DRAWN BY: RH	CHECKED BY: LB
<b>TL1.03</b>	
LAWRENCE CENTRAL HIGH SCHOOL 216107.00	

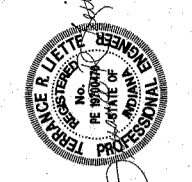
Dimmer Room

Loading Bridge Level

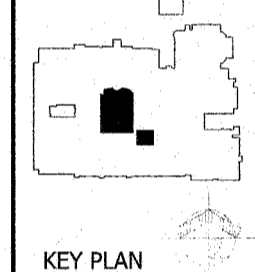
Existing conduit - Square  
New conduit - Circle  
Existing wire - Hexagon  
New wire - Triangle



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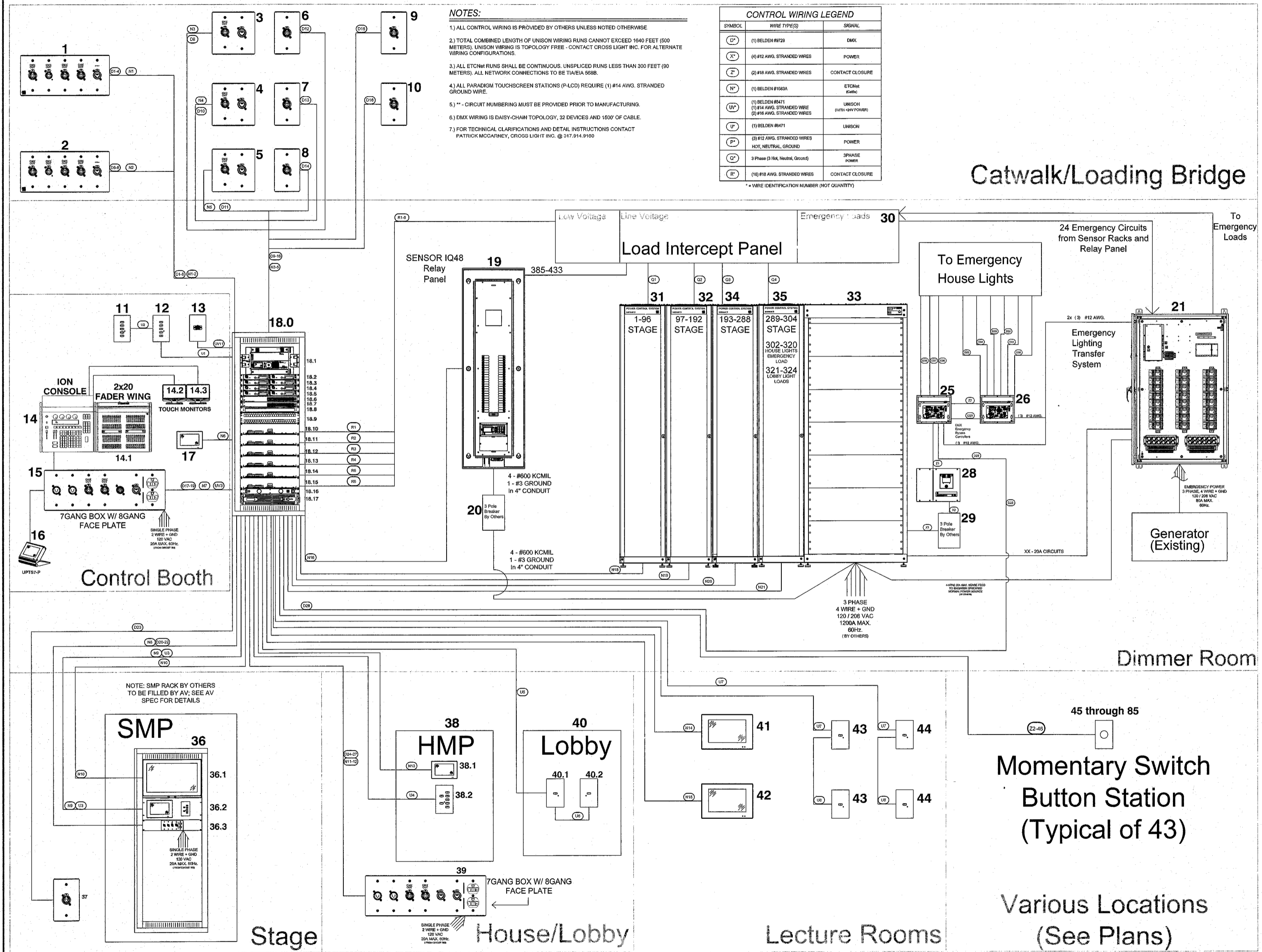


**LAWRENCE CENTRAL HIGH SCHOOL**  
**AUDITORIUM RENOVATION-PHASE ONE**  
 METROPOLITAN SCHOOL DISTRICT  
 OF LAWRENCE TOWNSHIP  
 7300 EAST 56TH STREET, INDIANAPOLIS, IN 46226

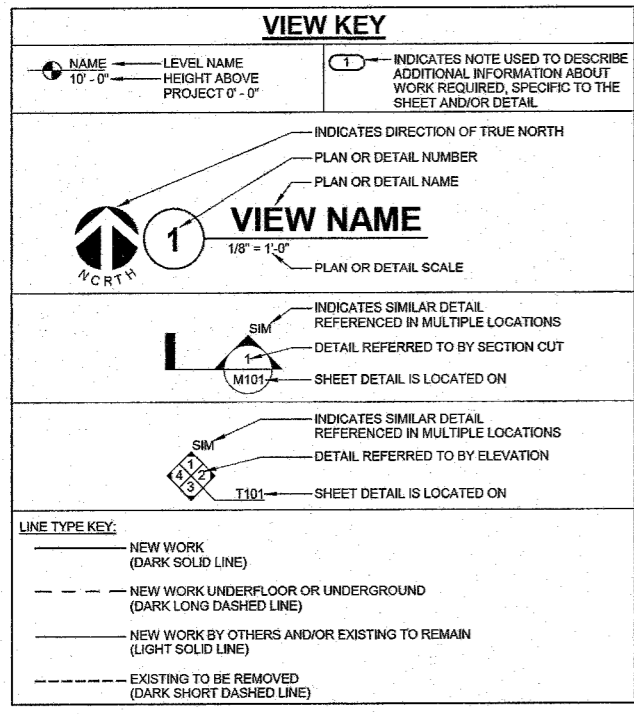


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LIGHTING CONTROL RISER DIAGRAM	
CONTRACT NO.: 216107.00	DATE: 05/09/2017
DRAWN BY: JH	CHECKED BY: JH
REV. DESCRIPTION	DATE
<b>TL2.01</b>	
LAWRENCE CENTRAL HIGH SCHOOL 216107.00	





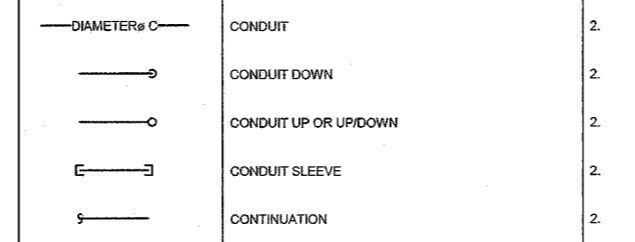


### CONTRACTOR ABBREVIATION KEY

ABBR:	DESCRIPTION:
A.V.C.	AUDIOVISUAL CONTRACTOR
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR

### AV TECHNOLOGY SYMBOL LIST

SYMBOL:	EQUIPMENT LIST ABBREVIATION:	DESCRIPTION:	NOTE:
SP	AV-SP-E	PERFORMANCE AUDIO SPEAKER (CEILING) - EXISTING	1.3.
SP#	AV-SP#-C	PERFORMANCE AUDIO SPEAKER (CEILING) - TYPE #	3.
SP#	AV-SP#-W	PERFORMANCE AUDIO SPEAKER (WALL) - TYPE #	3.
SB1	AV-SB1-C	SUBWOOFER (CEILING) - TYPE 1	3.
FB	AV-FB-E	AUDIOVISUAL FLOOR BOX - EXISTING	1.2.
FB1	AV-FB-1	AUDIOVISUAL FLOOR BOX - TYPE 1	
FB2	AV-FB-2	AUDIOVISUAL FLOOR BOX - TYPE 2	
WF	AV-WF-E	AUDIOVISUAL FACEPLATE (WALL) - EXISTING	1.2.
WF1	AV-WF1-W	AUDIOVISUAL FACEPLATE (WALL) - TYPE 1	
WF2	AV-WF2-W	AUDIOVISUAL FACEPLATE (WALL) - TYPE 2	
WF3	AV-WF3-W	AUDIOVISUAL FACEPLATE (WALL) - TYPE 3	
MP	AV-MP-E	MICROPHONE FACEPLATE (WALL) - EXISTING	1.2.
VC#	AV-VC#-W	PERFORMANCE VOLUME CONTROL - TYPE #	
IS1	AV-IS1-W	INTERCOM STATION (WALL) - TYPE 1	
IS2	AV-IS2-W	INTERCOM STATION (WALL) - TYPE 2	
JB#	AV-JB#-W	JUNCTION BOX (WALL) - TYPE #	1.2.
— DIAMETER# —		CONDUIT	2.
— D —		CONDUIT DOWN	2.
— U —		CONDUIT UP OR UP/DOWN	2.
— E —		CONDUIT SLEEVE	2.
—		CONTINUATION	2.



### CONDUIT

— DIAMETER# —	CONDUIT	2.
— D —	CONDUIT DOWN	2.
— U —	CONDUIT UP OR UP/DOWN	2.
— E —	CONDUIT SLEEVE	2.
—	CONTINUATION	2.

### TECHNOLOGY ABBREVIATION KEY

ABBR:	DESCRIPTION:
AFF	ABOVE FINISHED FLOOR
BFC	BELOW FINISHED CEILING
C	CONDUIT
J-BOX	JUNCTION BOX
SIM	SIMILAR
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
#	MOUNTING HEIGHT ABOVE FINISHED FLOOR

### SUGGESTED MATRIX OF RESPONSIBILITY

ITEM:	SHOWN ON:	FURNISHED BY:	INSTALLED BY:	NOTES:
AV ROUGH-IN, REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR DEFINITION	T-SERIES	E.C.	E.C.	3, 4, 8, 9.
AV OUTLET FACEPLATES, JACKS, AND TERMINATIONS	T-SERIES	A.V.C.	A.V.C.	1.
CONDUIT SLEEVES	T-SERIES	E.C.	E.C.	1, 8.
AV SYSTEMS ROUGH-IN	T-SERIES	E.C.	E.C.	1, 8, 9.
AV EQUIPMENT, CABLEING, AND TERMINATIONS	T-SERIES	A.V.C.	A.V.C.	1, 4.
GROUNDING LUGS ON TECHNOLOGY EQUIPMENT	T-SERIES	A.V.C.	E.C.	6.
BONDING SYSTEM FOR TECHNOLOGY EQUIPMENT	T-SERIES	E.C.	E.C.	7, 8.
CONNECTION OF TECHNOLOGY BONDING SYSTEM TO THE ELECTRICAL GROUND SYSTEM	T-SERIES	E.C.	E.C.	7.
LINE VOLTAGE POWER (+120V OR GREATER)	E-SERIES	E.C.	E.C.	8.
LINE VOLTAGE POWER (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	E.C.	E.C.	2, 4, 8.
LOW VOLTAGE CABLEING FOR TECHNOLOGY SYSTEMS	T-SERIES	A.V.C.	A.V.C.	7.
CABLE HANGERS AND SUPPORTS OR OTHER CABLE ROUTING METHODS (OTHER THAN CONDUIT AND CABLE TRAY)	T-SERIES	A.V.C.	A.V.C.	1, 8.
AV FLOOR BOX (ROUGH-IN)	T-SERIES	A.V.C.	A.V.C.	9.

- ### SUGGESTED MATRIX OF RESPONSIBILITY NOTES
- LOCATIONS OF AV ROUGH-INS SHALL BE INDICATED BY THE INFORMATION OUTLET SYMBOLS ON THE DRAWINGS. REFER TO THE TECHNOLOGY SYMBOL LIST FOR ADDITIONAL INFORMATION.
  - BASED ON THE INHERENT DIFFERENCES IN PRODUCTS FROM VARIOUS MANUFACTURERS, ALL REQUIRED EQUIPMENT MAY NOT BE SHOWN ON THE DRAWINGS FOR ALL ACCEPTABLE MANUFACTURERS.
  - INCLUDES BACKBOXES, INTERM PULLBOXES, AND CONDUIT REQUIRED FOR THE AV SYSTEMS INSTALLATION.
  - ALL CHANGES TO THE SLEEVES, BACKBOXES, CONDUITS, AND POWER REQUIRED BECAUSE OF SELECTION OF AN ALTERNATE ACCEPTABLE MANUFACTURER OR FROM SYSTEM CONFIGURATIONS THAT ARE LEFT TO THE CHOICE OF THE CONTRACTOR SHALL BE INCLUDED IN THE T.C.'S BID.
  - UNLESS TRADE RULES DICTATE OTHERWISE.
  - FURNISHED AS PART OF THE EQUIPMENT, OR FURNISHED TO THE E.C. FOR INSTALLATION IN THE FIELD.
  - INCLUDES ALL CONDUCTORS, GROUND BARS, AND TERMINATIONS FOR THE COMPLETE BONDING SYSTEM REQUIRED BY THE SPECIFICATIONS.
  - REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF PANELS AND SWITCHBOARDS SHOWN IN THE TECHNOLOGY ELECTRICAL RISER DIAGRAM. COORDINATE SURGE-X AND ADDED REMOTE CONTROLLED DEVICES WITH CABLEING FOR REAR HOUSE AND STAGE LOCATIONS.
  - ALL EXISTING AV CABLE IS DEMO STATUS, UNO.

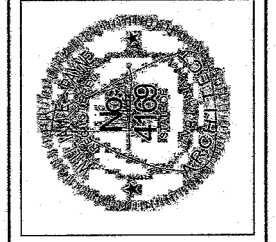
- ### AV TECHNOLOGY GENERAL NOTES:
- ### INDICATES GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ITEM LABELED AS "EQUIPMENT LIST ABBREVIATION"
  - REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES.
- TECHNOLOGY MOUNTING SUBSCRIPT KEY:
- MOUNT AT 48" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH
  - H MOUNT ORIENTED HORIZONTALLY
  - L MOUNT IN CASEWORK
  - M MOUNT IN MODULAR FURNITURE
  - S MOUNT IN SURFACE RACEWAY
- A SLASH IS USED BETWEEN TWO SUBSCRIPTS, e.g., AH.

- ### AV TECHNOLOGY INSTALLATION NOTES:
- THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER TO ADA GUIDELINES FOR ALL CONFIGURATIONS DETAIL ON THIS PAGE FOR ADDITIONAL INFORMATION.
  - CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS AND STORAGE ROOMS WITHOUT CEILING MAY BE EXPOSED ON BUILDING STRUCTURE.
  - BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
  - VERIFY ALL FURNITURE, MODULAR FURNITURE, AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS, AND REVEALED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL AV INSTALLATION, ADJUST OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
  - AV EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF AV DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUDED OR SEALED INTO OPENINGS.
  - REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF TELECOMMUNICATIONS WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.
  - FLUSH MOUNT ALL AV OUTLETS AT +18" FROM FLOOR (CENTERLINE DIMENSION), EXCEPT WHERE OTHERWISE NOTED. OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED.
  - AVC SHALL COORDINATE HIS CABLE PATHS AND DIV 26 EXTENSION ON SITE IN A TIMELY FASHION.

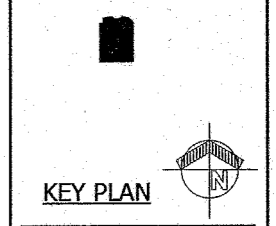
- ### AV TECHNOLOGY PHASING NOTES
- THE EXISTING SCHOOL INTERCOM AND PAGING SYSTEM TO REMAIN OPERATIONAL. THE SYSTEM SHALL NOT BE DISRUPTED UNLESS COORDINATED IN ADVANCE WITH THE OWNER AND ENGINEER AND AT THEIR DISCRETION ON DATE AND TIME.
  - REFER TO THE DIV 28 AND ARCHITECTURAL DRAWINGS FOR THE LOCATIONS OF THE FUTURE ACoustICAL CEILING CANOPY, ORCHESTRA PIT, AND EXISTING CONDITION FOR POWER HEADEND EQUIPMENT AND THE EXISTING ELECTRICAL EQUIPMENT LOCATIONS.

### TECHNOLOGY SHEET INDEX

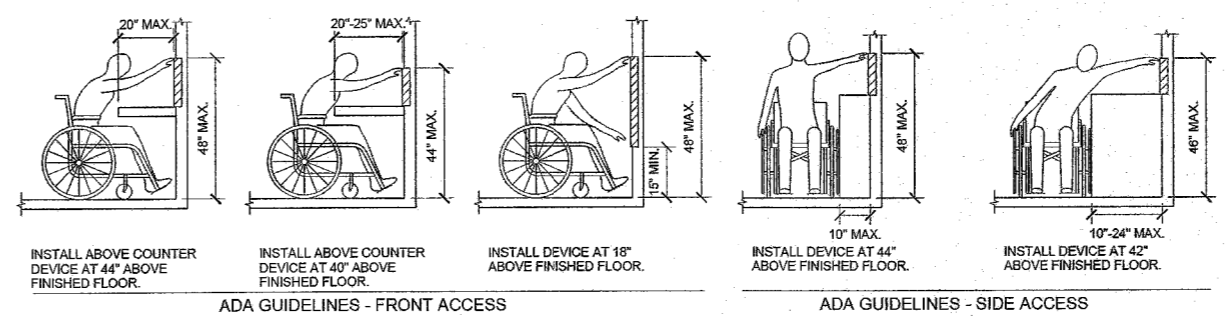
T000	TECHNOLOGY COVER SHEET
T100	FIRST FLOOR DEMO PLAN - TECHNOLOGY
T101	SECOND FLOOR DEMO PLAN - TECHNOLOGY
T200	FIRST FLOOR PLAN - TECHNOLOGY
T201	SECOND FLOOR PLAN - TECHNOLOGY
T300	TECHNOLOGY DETAILS
T301	TECHNOLOGY DETAILS
T302	TECHNOLOGY DETAILS
T400	TECHNOLOGY SCHEDULES



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TECHNOLOGY COVER SHEET

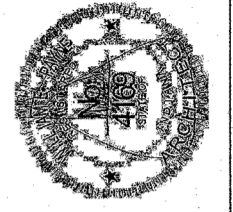
DRAWN BY: JTB  
CHECKED BY:

CONTRACT NO.:  
ISSUE DATE: 05/09/2017

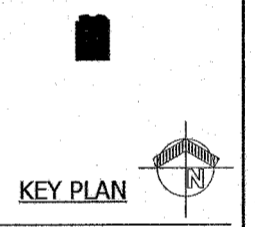
REV. DESCRIPTION DATE

**T000**

Lawrence Central HS Auditorium  
17000351.00



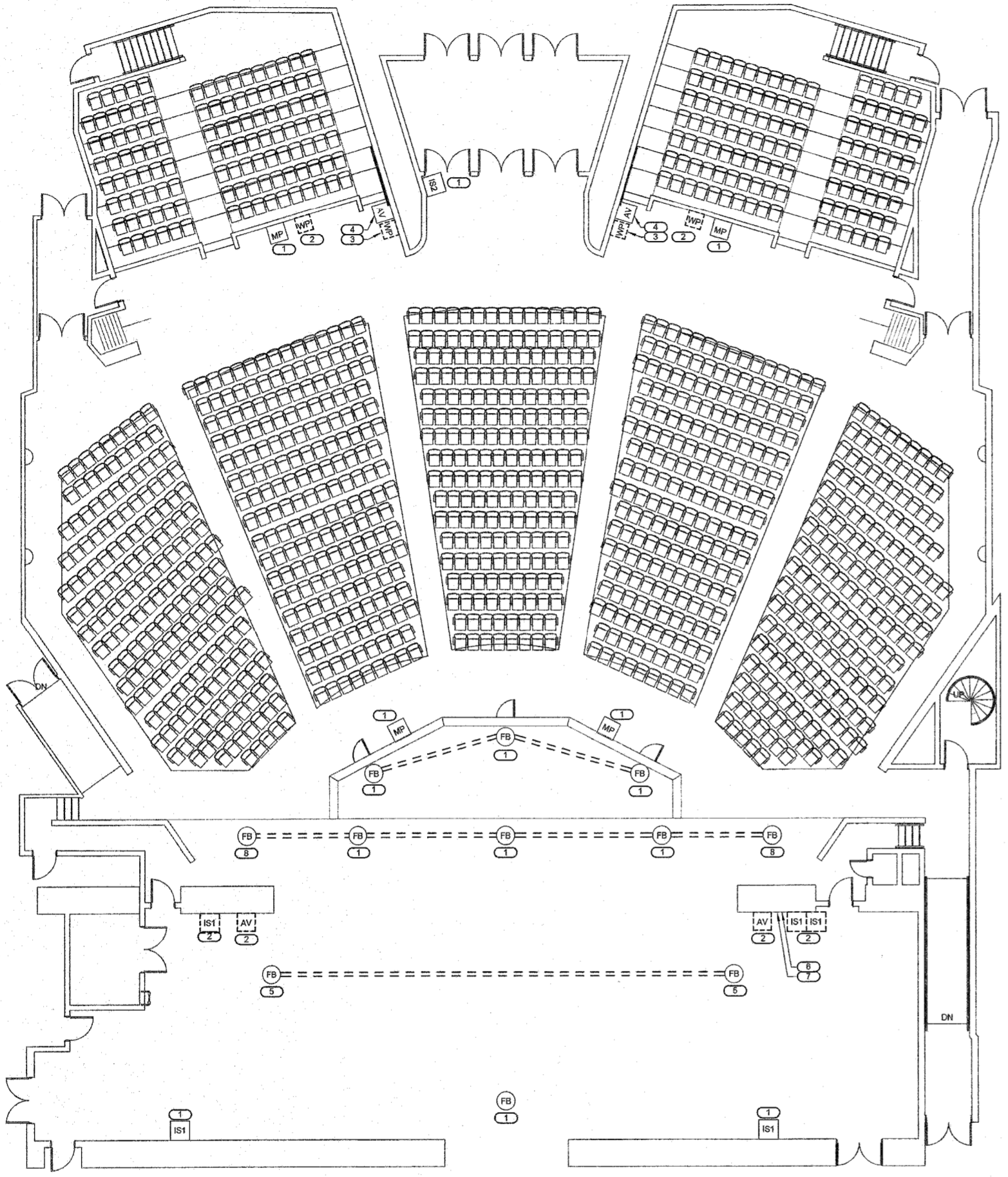
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7300 EAST 56TH STREET, INDIANAPOLIS, IN 46226



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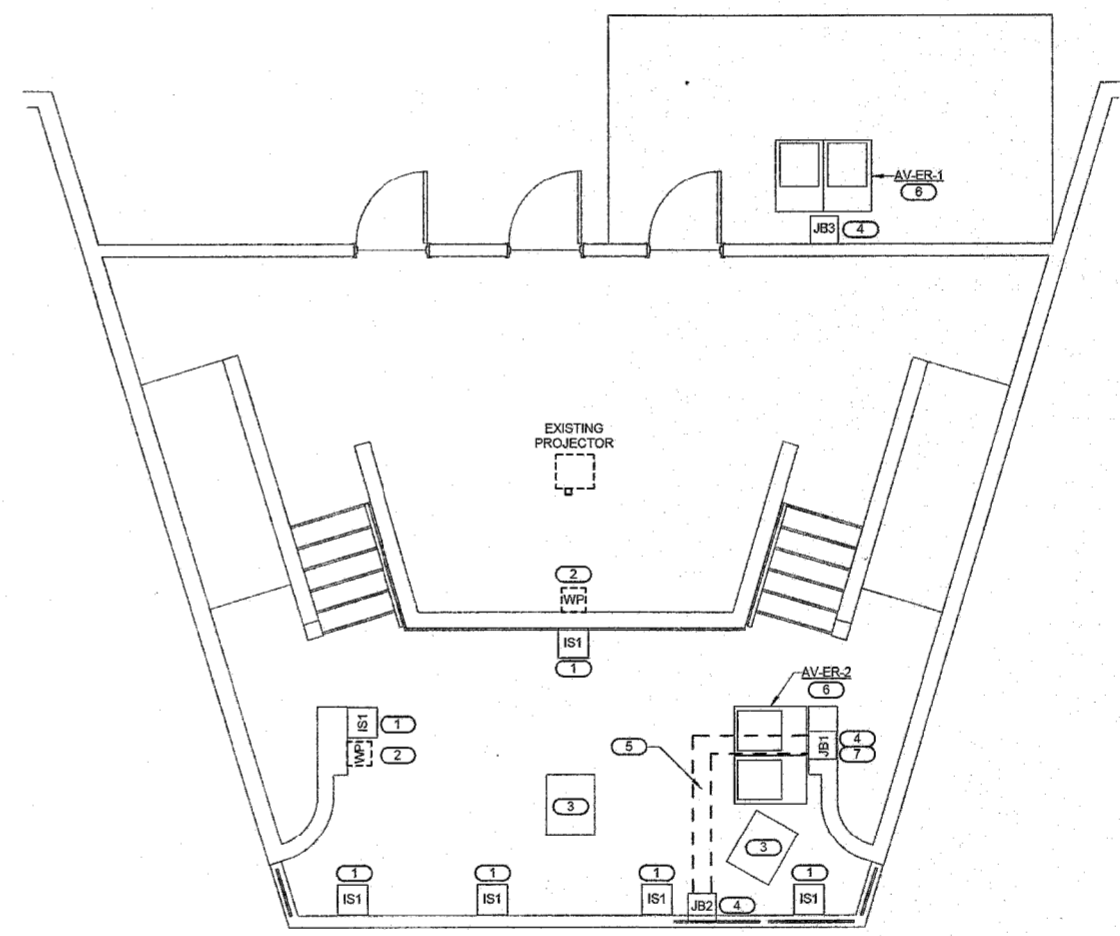
FIRST FLOOR DEMO PLAN - TECHNOLOGY	CONTRACT NO.:	ISSUE DATE:	DATE
	DRAWN BY: JTB	ISSUE DATE: 05/09/2017	REV. DESCRIPTION
CHECKED BY:			<b>T100</b>
Lawrence Central HS Auditorium 17000351.00			

- SHEET NOTES:**
- REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ON T400 FOR DEVICE INFORMATION AND GENERAL CONDUIT REQUIREMENTS.
  - EXISTING AV CONDUIT MAY BE REUSED OR EXTENDED FOR NEW CABLING. AV CONTRACTOR SHALL VISIT SITE BEFORE BIDDING TO INSPECT FOR REUSE. SHOULD AV CONTRACTOR NOT INSPECT SITE, AV CONTRACTOR SHALL NOT ASSUME CONDUIT REUSE IS AVAILABLE FOR BIDDING PURPOSES UNTIL HE INSPECTS THE SITE FIRST.
  - NO AV CABLE IS REUSED ANYWHERE, UNLESS SPECIFICALLY NOTED OTHERWISE.
  - SHOULD ANY AV CABLE BE NOTED FOR REUSE, IT MUST BE TESTED, TAGGED, AND REPORTED ON A FIELD SCHEDULE, WITH TEST DATE TO OCCUR BEFORE DEMO DATE. SCHEDULE OF TEST, REPORT, AND DATE SHALL APPEAR ON SHOPS (SUBMITTALS) FOR ANY AND ALL CABLE THAT IS REUSED, WITH PERMISSION.
  - ALL EXISTING AV BOXES THAT ARE NOT REUSED SHALL BE COVERED WITH A NEW METAL BLANK PLATE.
  - ANY AV CABLE THAT IS NOTED AS ABANDONED IN PLACE SHALL BE BLUNT CUT AND TAPED AT EACH END, AND A BLANK METAL PLATE SHALL COVER.
  - IF CABLE IS NOT NOTED TO BE ABANDONED IN PLACE, COVERED, OR REUSED, IT IS PULLED OUT AND DISCARDED.
  - IN ALL CASES, NO MICROPHONE CABLE IS REUSED, ANYWHERE. CLEAR EXISTING MICROPHONE CONDUITS.
  - IF ANY PLATE OR JACK IS NOTED AS SPECIFICALLY REUSED, IT SHALL BE A NEW JACK, NEW TERMINATION, NEW LABEL, AND TESTED UNDER WARRANTY. OTHERWISE, NO EXISTING JACKS ARE REUSED, ANYWHERE.



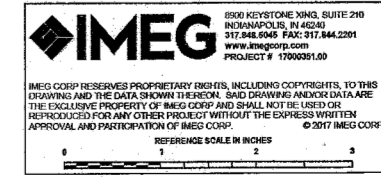
**1 FIRST FLOOR DEMO PLAN - AV TECHNOLOGY**  
1/8" = 1'-0"  
KEYNOTES: (F)

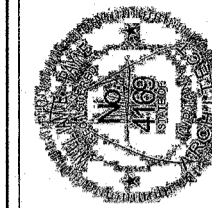
- DEMO EXISTING PLATE, JACK, AND CABLE AND PREPARE BOX FOR REUSE WITH NEW PLATE. PROVIDE NEW CABLE, PLATE, AND JACKS. PROVIDE FLOOR BOX PLATES AT 45 DEGREE SLANT (NOT FLAT).
- DEMO PLATE, TERMINATIONS, AND CABLE. COVER BOX WITH BLANK METAL COVER PLATE. CUT ALL CABLE LEADS, BLUNT CUT AND ABANDON CABLE IN PLACE WITH BLANK PLATE AS REQUIRED.
- DEMO DYNACOM SYSTEM. PROVIDE BLANK PLATE AND COVERS ON EXISTING BACK BOXES.
- EXISTING AV INPUT AND CONTROL TO PROJECTOR FOR LOCAL VIDEO REMAINS. PROTECT IN PLACE - VERIFY OPERATION.
- DEMO INTERNAL PLATE AND AUDIO JACKS. ABANDON CABLE AND PULL BACK WITH TAG. FLOOR BOX REMAINS.
- DEMO 12"x12" PAGING CONTROL BOX AND CONDUIT. REMOVE CABLE TO SOURCE AS REQUIRED.
- LIGHTING CONTROL BOX, DEMO BY OTHERS.
- DEMO INTERNAL PLATE AND AUDIO JACKS. REMOVE CABLE IF POSSIBLE. FLOOR BOX REMAINS.



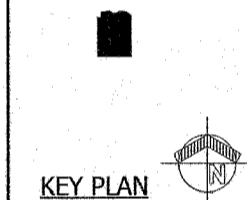
**2 UPSTAIRS MIX POSITION DEMO PLAN - AV TECHNOLOGY**  
1/8" = 1'-0"  
KEYNOTES: (F)

- DEMO EXISTING PLATE AND JACK, AND PREPARE BOX FOR REUSE. TAG CABLE AS PULL STRING TO PROVIDE NEW CABLE, PLATE, AND JACK.
- DEMO AND PROVIDE BLANK PLATE/COVER. REMOVE CABLE TO SOURCE. IDENTIFY AND TAG CONDUIT FOR FUTURE USE.
- EXISTING SLANTED RACKS. DEMO EXISTING AV COMPONENTS. PROTECT RACK SHELVES AND STORAGE DRAWERS FOR REUSE.
- EXISTING AUDIO SYSTEM JUNCTION BOXES. DEMO AND REMOVE ALL AV CABLE, TO SOURCE AND FIELD TERMINATION.
- EXISTING CABLE ROUTE UNDER FLOOR WITH METAL COVER. PULL COVER AND CLEAN TRENCH AS REQUIRED. REMOVE ALL AV CABLE, NO EXCEPTION.
- CLEAR AND CLEAN RACKS AND CABLING. DO NOT REUSE ANY AV CABLING, UNO. COORDINATE EXISTING POWER WITH NEW AV POWER RISER DETAIL. TEST, VERIFY, AND REPORT ON SHOPS. EXISTING AC POWER WITH ALL NEW WORK. SEE DIV 28 SCOPE FOR AV AND AC. AV CONTRACTOR SHALL FULLY COMPLY WITH DIV 27 41 01 AND DIV 27 05 01 SPECIFICATIONS FOR AV SHOPS WITH TESTED, UNIPUNT GROUND WIRE FROM SINGLE AV PANEL, FOR ALL RACKS.
- EXISTING CONDUIT INCLUDES, BUT IS NOT LIMITED TO: 1-1/2" C (282 - 24 QTY), INTERCOM - WP 285 - (12 QTY) 3/4" C, MIC LINES - (4 QTY) 3/4" C, SHAKE CABLE DOWN. DEMO ALL CABLE IN THESE CONDUITS. ADDITIONAL 3/4" THROUGH 1-1/2" C MAY BE AVAILABLE WITH FURTHER INSPECTION FOR REUSE. IF CONDUITS FOUND, DO NOT REUSE CABLE AND PULL NEW CABLE IN ALL CASES.





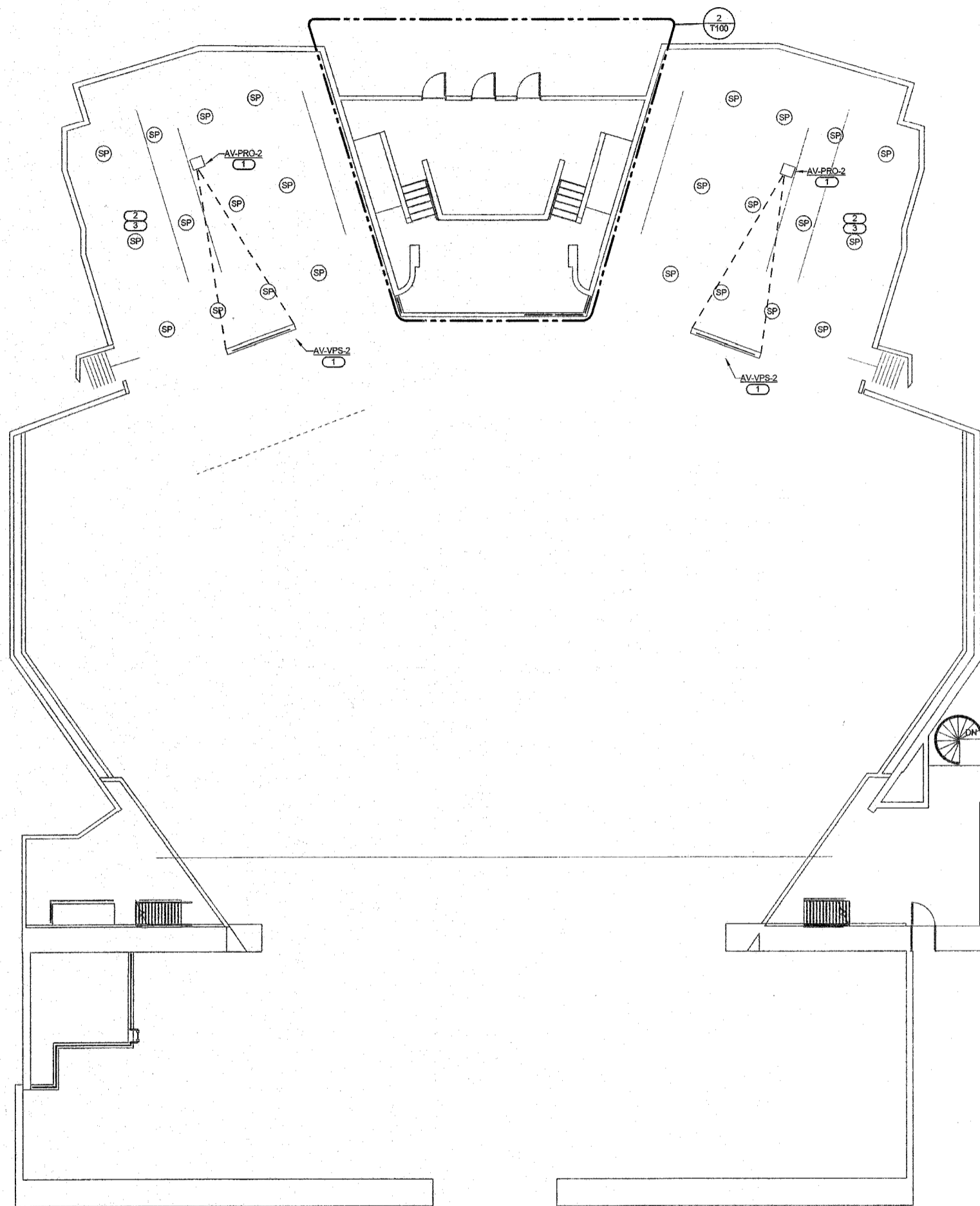
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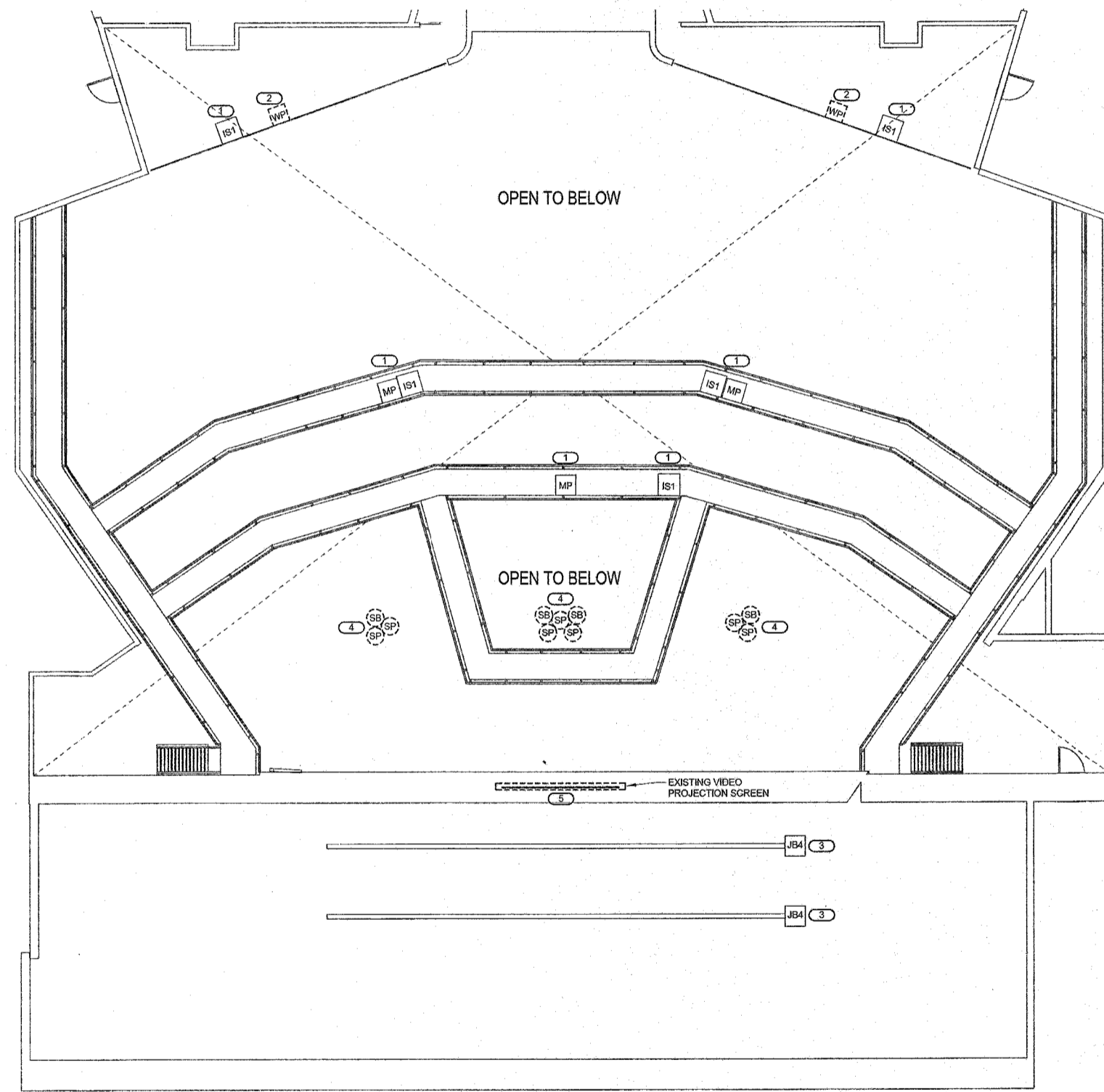
SECOND FLOOR DEMO PLAN - TECHNOLOGY	PROJECT # 17000351.00
ISSUED BY: MFB	DATE: 05/22/2017
CHECKED BY:	REV. DESCRIPTION
	<b>T101</b>

- SHEET NOTES:**
- REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ON T400 FOR DEVICE INFORMATION AND GENERAL CONDUIT REQUIREMENTS.
  - EXISTING AV CONDUIT MAY BE REUSED OR EXTENDED FOR NEW CABLING. AV CONTRACTOR SHALL VISIT SITE BEFORE BIDDING TO INSPECT FOR REUSE.
  - NO AV CABLE IS REUSED ANYWHERE, UNLESS SPECIFICALLY NOTED OTHERWISE.
  - IF ANY AV CABLE IS NOTED FOR REUSE, IT MUST BE TESTED, TAGGED, AND REPORTED ON A FIELD SCHEDULE, WITH TEST DATE TO OCCUR BEFORE DEMO DATE. SCHEDULE OF TEST, REPORT, AND DATE SHALL APPEAR ON SHOPS (SUBMITTALS) FOR ANY AND ALL CABLE THAT IS REUSED.
  - ALL EXISTING AV BOXES THAT ARE NOT REUSED SHALL BE COVERED WITH A NEW METAL BLANK PLATE.
  - ANY AV CABLE THAT IS NOTED AS ABANDONED IN PLACE SHALL BE BLUNT CUT AND TAPED AT EACH CABLE, AND A BLANK METAL PLATE SHALL COVER.
  - IF CABLE IS NOT NOTED TO BE ABANDONED IN PLACE, COVERED, OR REUSED, IT IS PULLED OUT AND DISCARDED.
  - IN ALL CASES, NO MICROPHONE CABLE IS REUSED, ANYWHERE. CLEAR EXISTING MICROPHONE CONDUITS.
  - IF ANY PLATE OR JACK IS NOTED AS SPECIFICALLY REUSED, IT SHALL BE A NEW JACK, NEW TERMINATION, NEW LABEL, AND TESTED UNDER WARRANTY.



**1 SECOND FLOOR DEMO PLAN - AV TECHNOLOGY**  
1/8" = 1'-0"  
KEYNOTES: (E)

- REUSE EXISTING VIDEO SCREEN AND PROJECTOR. PROTECT IN PLACE. TEST FOR REUSE BEFORE DEMO DATE AND REPORT STATUS ON FIELD SCHEDULE. OTHERWISE AVC SHALL REPAIR ANY REUSED PROJECTOR FOR REUSE, UNLESS REPORTED AS NOT WORKING BEFORE DEMO, IF PROJECTOR IS NOT PROTECTED DURING DEMO.
- REUSE EXISTING CEILING SPEAKERS. PROTECT DURING DEMO AND TEST, TAG, AND REPORT CEILING SPEAKER CABLE BEFORE DEMO DATE.
- EXTEND EXISTING 20V/70V SPEAKER CABLE TO NEW AV RACKS, ONLY WHEN TESTED AND REPORTED WITH DATE. FIRST, T-TAP CONSTANT VOLTAGE CABLE INSIDE PULL BOX, ONLY. SIGNAL SYNC EXISTING CIRCUITS TO NEW DSP WORK, PER DIV 27.



**2 CATWALK LEVEL DEMO PLAN - AV TECHNOLOGY**  
1/8" = 1'-0"  
KEYNOTES: (F)

- DEMO EXISTING PLATE, JACK, AND PREPARE FOR REUSE. TAG CABLE FOR PULL STRING AND REMOVE EXISTING CABLE.
- DEMO AND PROVIDE BLANK PLATE OR COVER. REMOVE CABLE TO SOURCE. IDENTIFY AND TAG CONDUIT FOR FUTURE USE.
- DEMO EXISTING OVERHEAD MICROPHONES AND TURN OVER TO OWNER. REMOVE CABLE AND TAG JUNCTION BOXES FOR REUSE WITH NEW CABLE. NEW MICS. MANAGE CABLE NEATLY ON SATTEN FOR SATTEN MOVEMENT.
- DEMO ALL EXISTING MAIN LOUDSPEAKERS, RIGGING COMPONENTS, AND ALL CABLE TO SOURCE. NO EXISTING CABLE IS REUSED. NO SUSPENSION REUSED.
- DEMO EXISTING VIDEO SCREEN. PREPARE SPACE FOR REPLACEMENT SCREEN.

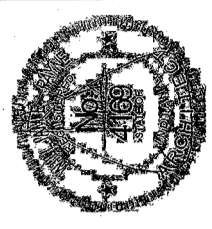
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REFERENCE SCALE IN INCHES  
1" = 1'-0"

**SHEET NOTES:**  
 1. REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ON T400 FOR DEVICE INFORMATION AND GENERAL CONDUIT REQUIREMENTS.

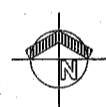
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 AUDITORIUM RENOVATION - PHASE ONE  
 METROPOLITAN SCHOOL DISTRICT  
 OF LAWRENCE TOWNSHIP  
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KEY PLAN



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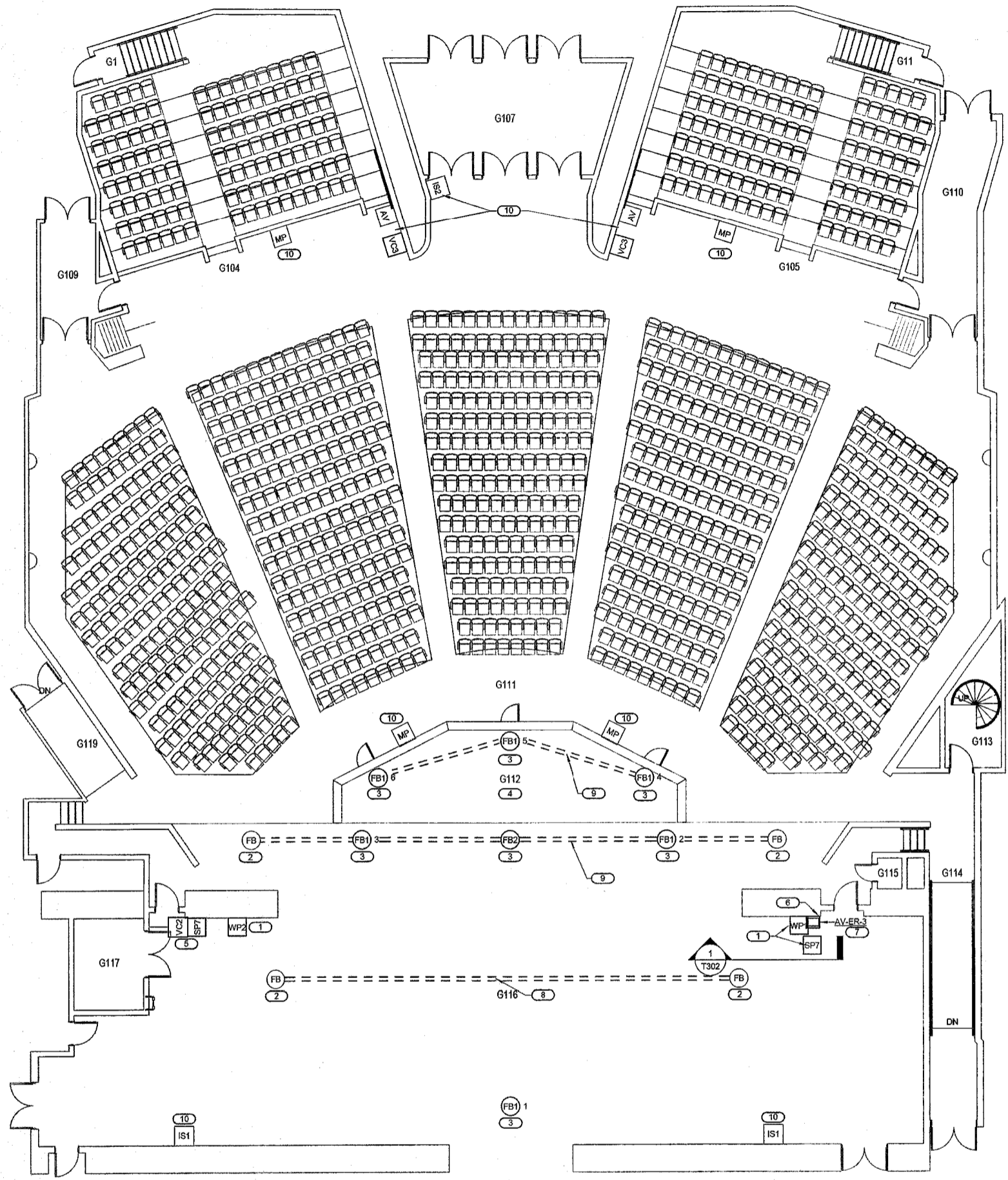
FIRST FLOOR PLAN - TECHNOLOGY

CONV. NO.:  
 ISSUE DATE: 05.09.2017

REV. DESCRIPTION DATE

T200

Lawrence Central HS Auditorium  
 17000351.00

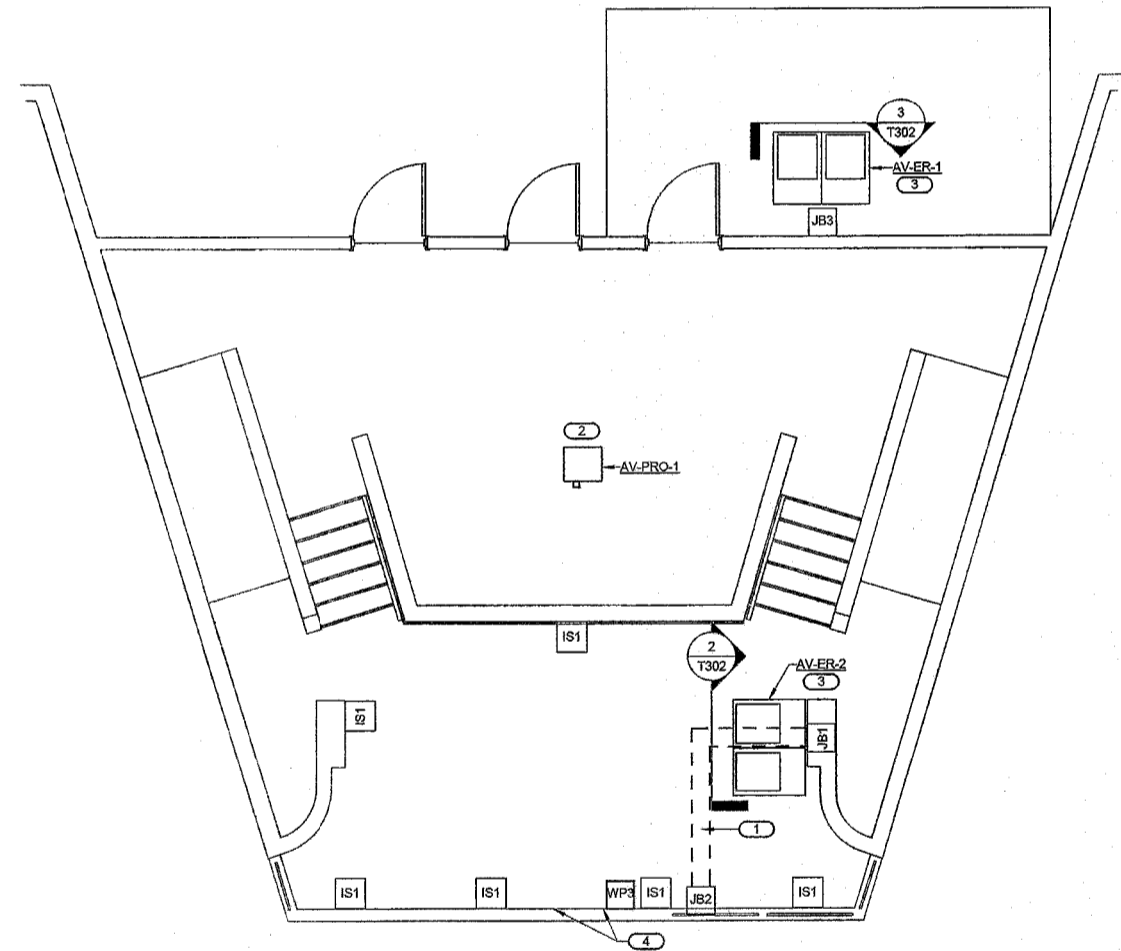


**1 FIRST FLOOR PLAN - AV TECHNOLOGY**

1/8" = 1'-0"

KEYNOTES: (F)

- COORDINATE WALL DEVICE LOCATION OUTSIDE OF STAGE CURTAIN AND ROPE PULLEY - APPROXIMATELY 7'-1/2" FROM PROSCENIUM WALL EDGE. SEE DETAIL 1/1302.
- EXISTING FLOOR BOX TO REMAIN. PROVIDE NEW BLANK PLATE FOR FUTURE.
- EXISTING FLOOR BOX WITH NEW PLATE. REFER TO SIGNAL RISER 1/1300 FOR CONNECTIVITY. INSPECT BASEMENT BELOW FOR REUSE OF EXISTING CONDUIT AND BOXES. DO NOT REUSE CABLE.
- PROVIDE NEW UMBILICAL CORD FOR MICROPHONE CABLE, SPEAKER CABLE, AND CATEGORY CABLE TO PIT LIFT BOXES. CONFIRM AS MOISTURE FREE WHEN AV CONDUIT IS IN PIT FLOOR.
- VOLUME CONTROL AT SWITCH HEIGHT. SPEAKER AT 90° AFF TYPICAL IN CORNER, AIMED TO OPPOSITE CORNER DOUBLE DOORS. EXTEND NEW 3/4" TO AMP RACK.
- NEW AV CABLE IS REQUIRED IN EXISTING CONDUITS AND GUTTER BOX. BELOW. CLEAR NEW PATHS AS REQUIRED IN EXISTING CONDUITS FOR REUSE WITH NEW CABLE.
- CIRCUIT #31 EXTENDED FROM EXISTING PANEL #14L2 IN SOUTH CORRIDOR AND TO STAGE MANAGERS RACK. EXISTING 1-GANG WALL DUPLEX FOR LIGHTING DIMMING SYSTEM TO BE RELOCATED TO AV RACK AND COORDINATED WITH LIGHT PANEL SUPPLIED AT RACK. BY OTHERS. SEE ELEVATION DETAIL 1/1302 FOR LIGHTING POSITION AT RACK. SEE DETAIL 1/1301 FOR MORE ELECTRICAL REQUIREMENTS.
- ABANDON EXISTING AV CABLE BELOW WITH BLUNT CUT AND TAPE OFF.
- NEW AV CABLING REQUIRED. REUSE OF EXISTING CONDUIT IS ALLOWED.
- REUSE EXISTING CONDUIT PATHS ONLY AS POSSIBLE AFTER INSPECTION AND CLEARING OUT ALL EXISTING CABLE. DO NOT REUSE CABLING.



**2 UPSTAIRS MIX POSITION - AV TECHNOLOGY**

1/4" = 1'-0"

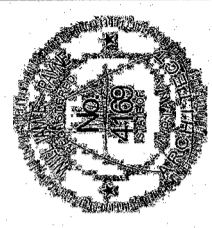
KEYNOTES: (F)

- EXISTING CABLE ROUTE UNDER FLOOR WITH METAL COVER. REUSE PATH FOR CABLING FROM MAIN RACK TO CONTROL DESK AND MIXER. NO CABLE IS REUSED.
- VERIFY FINAL FIELD LOCATION WITH EXISTING 20 AMP POWER AND NEW CABLING. SUBMITTALS/SHOPS REQUIRE LENS VERIFICATION TO NEW SCREEN, BEFORE INSTALLATION.
- SEE DETAIL 1/1301 FOR DIV 16 WORK REQUIRED WITH EXISTING POWER. REFER TO ELECTRICAL DRAWINGS WITH EXISTING PANEL #14L2.
- 12 CITY EXISTING AUDIO DUPLEX. E.G. TO ADD AV-SRDX W/ SURGE PROTECTION WITH REMOTE LOW VOLTAGE CONTROL BETWEEN ELECTRICAL PANEL #14L2 CIRCUIT #48 AND MIX BOOTH DUPLEX OUTLETS FOR SEQUENTIAL POWER TO DIGITAL MIX CONTROL AT BOOTH. REFER TO DETAIL 1/1302 FOR MORE INFORMATION. COORDINATE WITH DIV 25 E.C. DURING DEMO PHASE IN A TIMELY MANNER, ON SITE.

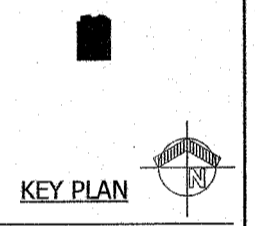
**IMEG**  
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 317.546.9888 FAX 317.544.5281  
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REFERENCES SCALE IN INCHES  
 1" = 1'-0"  
 1/4" = 1'-0"



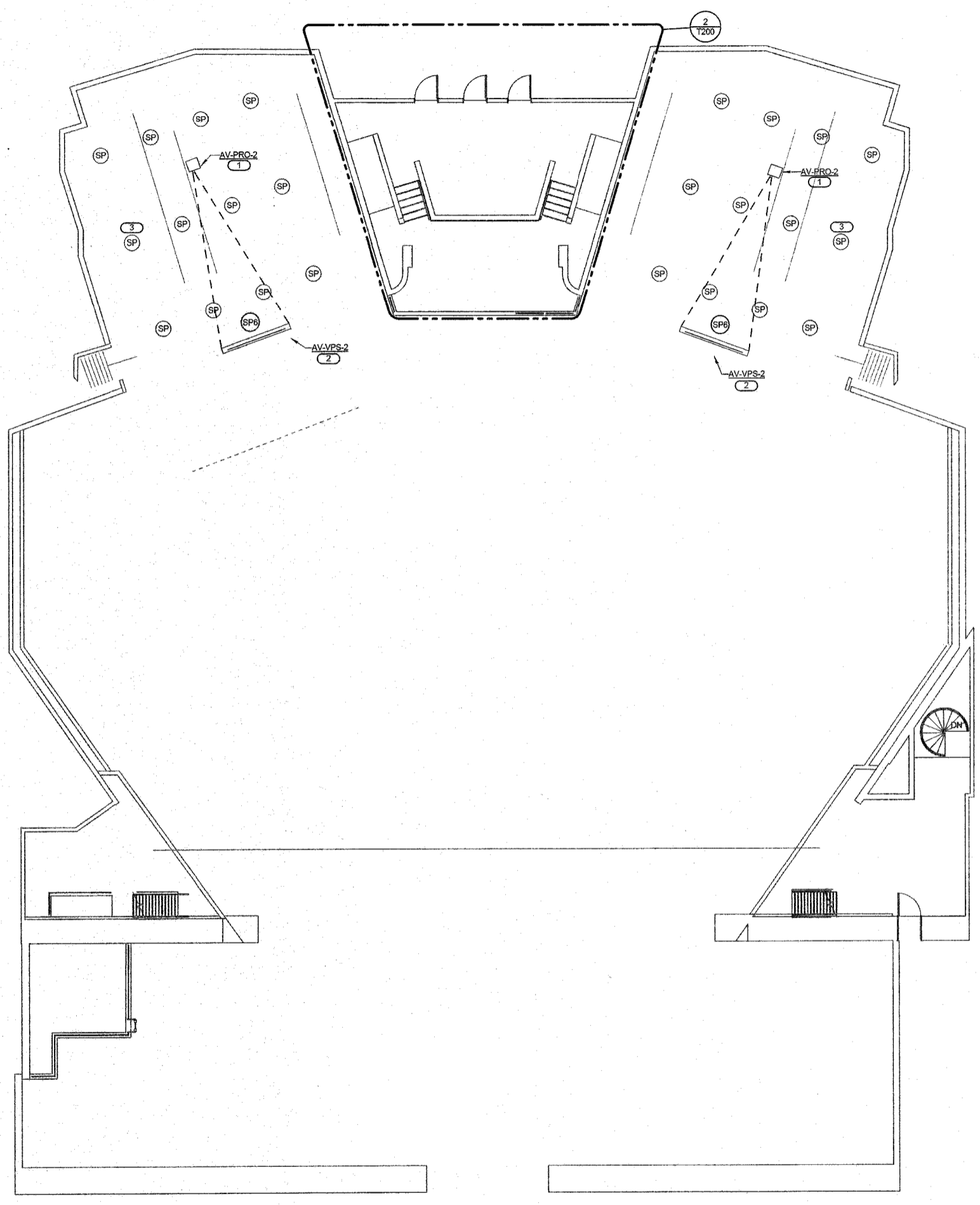
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7300 EAST 56TH STREET, INDIANAPOLIS, IN 46226



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<b>SECOND FLOOR PLAN - TECHNOLOGY</b>	
DESIGNED BY: MTS	DATE: 05/08/2017
CHECKED BY:	ISSUE DATE: 05/08/2017
	REV. DESCRIPTION DATE
	<b>T201</b>
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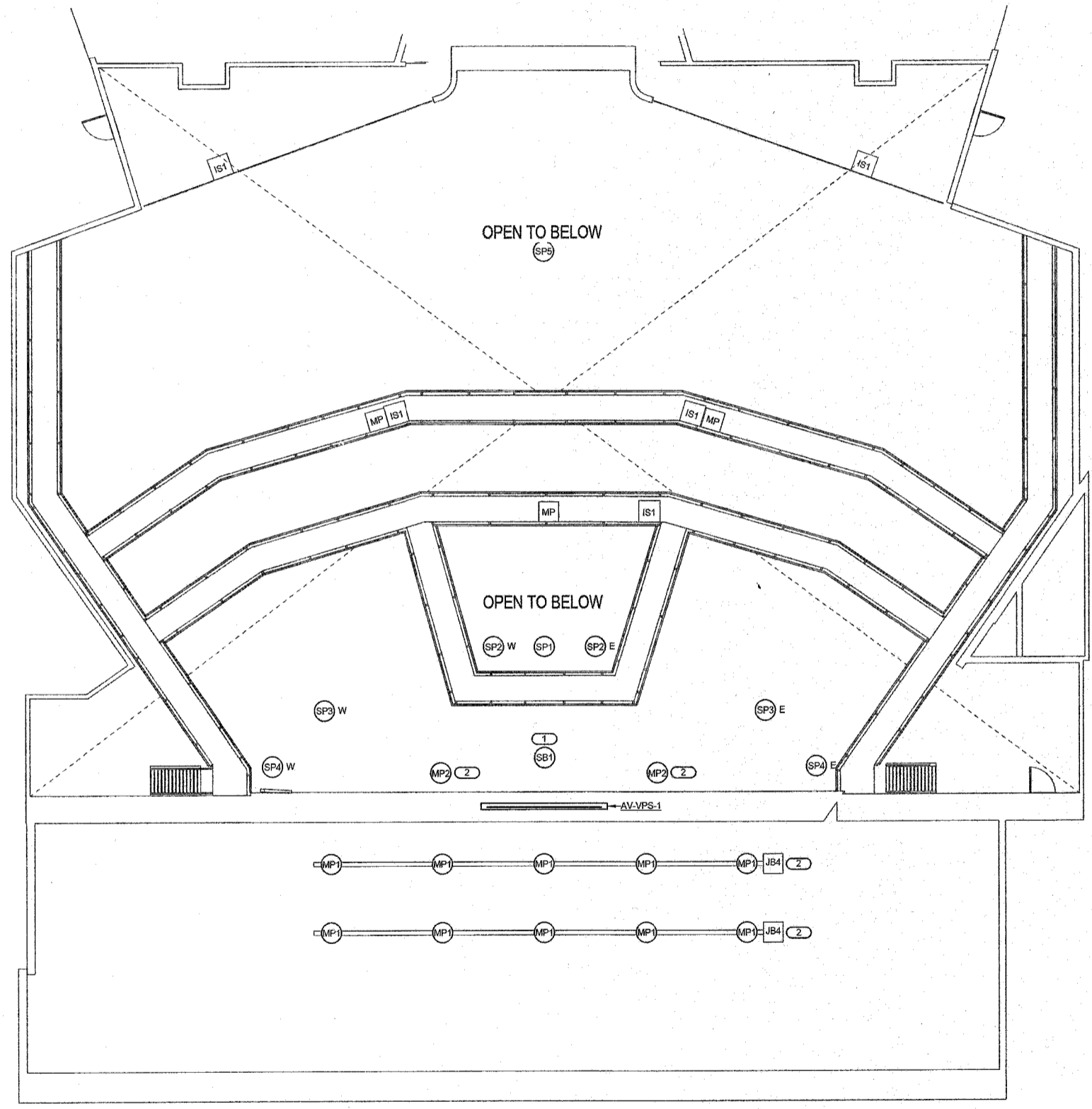
- SHEET NOTES:**
- REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ON T400 FOR DEVICE INFORMATION AND GENERAL CONDUIT REQUIREMENTS.
  - ALL NEW LOUDSPEAKERS ON THIS SHEET ARE PRECISION AIM, PE RATED OVERHEAD SUSPENSION, AND SHALL HAVE SUPPLEMENTAL STEEL AS REQUIRED TO MAINTAIN PLACEMENT PER "LOUDSPEAKER LOCATION AND AIM SCHEDULE" ON SHEET T400, NO EXCEPTION. COORDINATE WITH LIFT ACCESS IN A TIMELY FASHION AND NOTIFY KJWW WHEN SPEAKER AIM AND ROUGH-IN IS COMPLETE, WHILE LIFT ACCESS REMAINS. SPEAKER INSTALLATION IS REQUIRED BY QUALIFIED AV CONTRACTOR, ON SITE, AND SHALL NOT BE REASSIGNED. QUALIFIED CTS-I OR CTS-D AWC EMPLOYEE IS REQUIRED FOR THIS WORK, WITH APPROVED SHOP DRAWINGS ON SITE.
  - MAINTAIN CLEAR SIGHT LINES FOR SPEAKER FACE AND ITS INCLUDED COVERAGE ANGLE. MAINTAIN SYMMETRY AND AIM ANGLE AT ALL TIMES. SEE DIV 28 FOR TESTING REQUIRED.



**1 SECOND FLOOR PLAN - AV TECHNOLOGY**  
1/8" = 1'-0"

**KEYNOTES: (F)**

- VERIFY EXISTING PROJECTOR OPERATION BEFORE DEMO AND PROVIDE TEST DATE ON FIELD SCHEDULE.
- REUSE EXISTING SCREEN AS IS, AFTER VERIFYING OPERATION.
- ALL 25V/70V SPEAKERS ARE TESTED BEFORE DEMO AND REUSED. VERIFY SPEAKER CABLE CIRCUIT IS AVAILABLE FOR REUSE AND EXTEND TO NEW AMPLIFIER RACK. PROVIDE PLENUM CABLE IF IN OPEN SPACES.



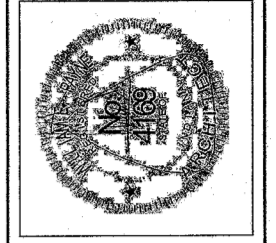
**2 CATWALK LEVEL PLAN - AV TECHNOLOGY**  
1/8" = 1'-0"

**KEYNOTES: (E)**

- MOUNT BLACK SUBWOOFER TO CEILING WALL JUNCTURE NO FURTHER THAN 2 FEET AWAY FROM EITHER UPPER PROSCENIUM WALL OR CEILING WITH NEW SUPPLEMENTAL STEEL ATTACHED TO EXISTING BUILDING.
- SEE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ON T400 FOR MICROPHONE AFF. MOUNT UNIFORMLY AND SYMMETRICALLY WITH CURTAINS CLOSED. SEE SPECIFICATIONS FOR MORE REQUIREMENTS. ALL CAPSULES ARE BLACK, AFF IS 8'-0" FOR THE FRONT ROW, 9' AFF FOR THE REAR ROW.

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REFERENCE TO ALL IN WORKS



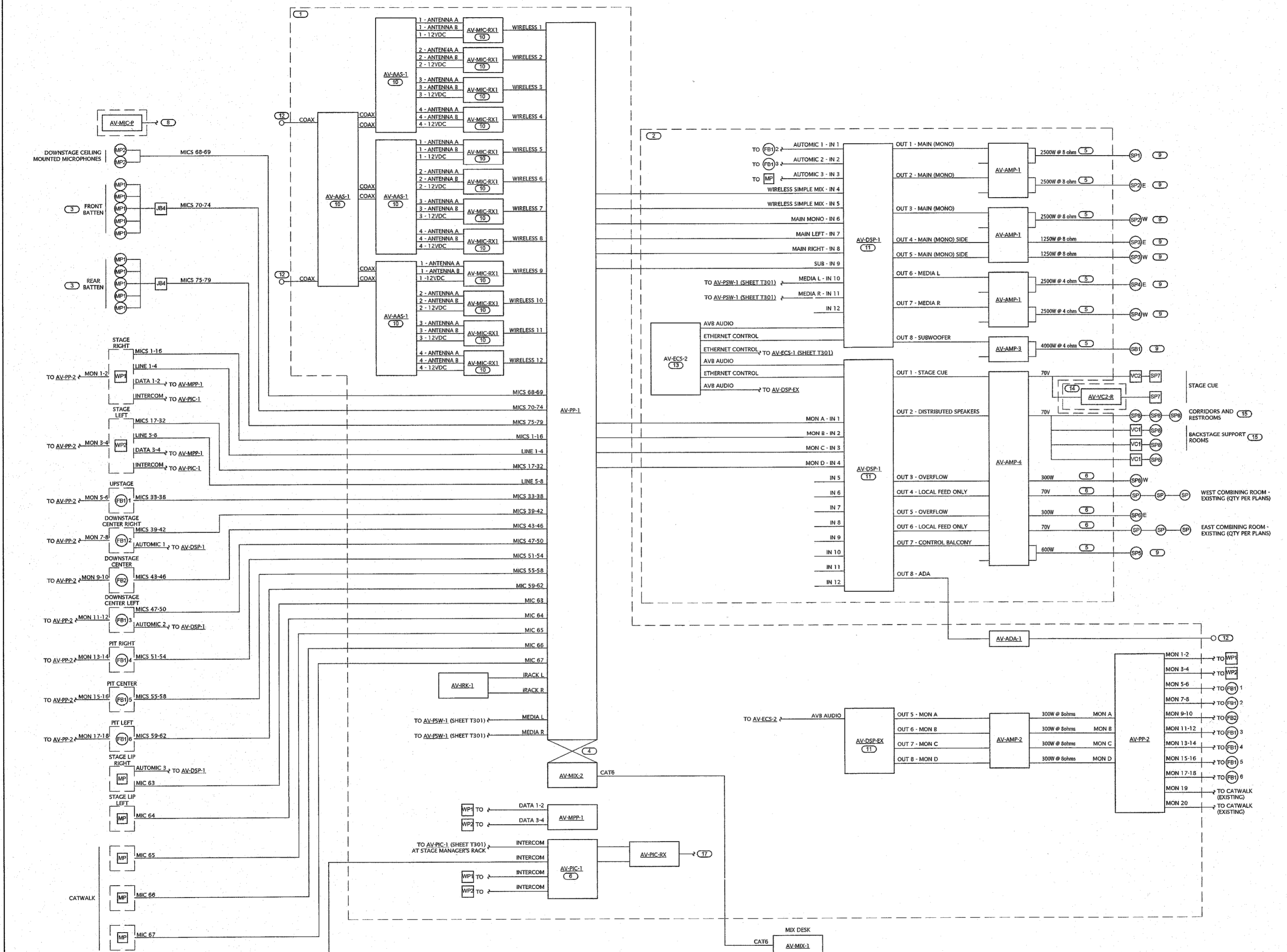
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KEY PLAN

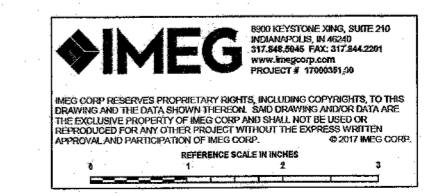
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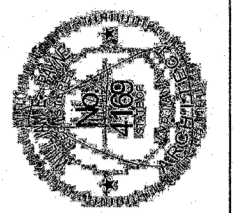
TECHNOLOGY DETAILS  
DRAWN BY: JTB  
CHECKED BY: JTB  
DATE: 05.09.2017  
REV DESCRIPTION DATE  
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17000351.00

- SHEET NOTES:**
- COORDINATE CABLE SEPARATION REQUIREMENTS AT ALL TIMES. NEVER COMBINE MIC CABLE WITH ANY OTHER CABLE. NO EXCEPTION. WHEN EXISTING CONDUIT IS REUSED FOR MICS, PULL OUT EXISTING IN ALL CASES, NO EXCEPTION.
  - SPEAKERS REQUIRED PRECISION AIM IN ADVANCE. VERIFY BACK BOXES AND SUPPLEMENTAL STEEL WITH OTHER TRADES, AND WHILE LIFT OR SCAFFOLD ACCESS IS ALLOWED OVER SEATING, REFER TO LOUDSPEAKER LOCATION AND AIM SCHEDULE ON T400. SEE ARCHITECTURAL DRAWINGS AND PREPARE SHOPS FOR COORDINATION IN A TIMELY FASHION. BID DOC AIM SHALL NOT BE CHANGED DUE TO LATE ADDITION OF ACOUSTIC CLOUD CANOPY.
  - REVIEW EQUIPMENT SCHEDULE ON T400 AND DIV 28 ELECTRICAL DRAWINGS FOR CONDUIT AND COORDINATE AV CABLING PATHS ON SITE. PROVIDE SHOPS FOR AV CABLING. BID DOCUMENTS ARE NEVER SHOP DRAWINGS. CABLE IS PLENUM U.N.O. SHOULD OPEN CABLE BE USED ALL EXPOSED CABLE SHALL ALWAYS BE PLenum RATED.
  - INTERIM PULL BOXES ARE PER NEC CODE AND NOT SHOWN. FIELD INSPECTION REQUIRED BEFORE BID. ANY REUSED CONDUIT MUST MEET ALL REQUIREMENTS FOR NEW AV CABLING. WITH EITHER PATH EXTENSIONS OR NEW CAPACITY THAT MAINTAINS ALL SEPARATION REQUIREMENTS AT ALL TIMES. SHOULD ANY EXISTING AV CABLE BE UNDERMINED OR ABANDONED, THAT CABLE SHALL BE TAGGED, IF NOT PULLED OUT, NO OLD OR EXISTING CABLE IS MIXED WITH NEW CABLE AT ANY TIME. ALL NEW INSTALLATION SHALL BE UNDER NEW WARRANTY FOR BOTH PRODUCT AND FOR INSTALLATION OF NEW CABLING, U.N.O.
- KEYNOTES:**
- EQUIPMENT IN CONTROL BOOTH RACK - AV-ER-2. MANAGE CABLE ENTRANCE. REFER TO EQUIPMENT RACK DETAIL 2703Z.
  - EQUIPMENT IN AMP RACK - AV-ER-1. MANAGE CABLE ENTRANCE. REFER TO EQUIPMENT RACK DETAIL 3703Z.
  - OVERHEAD MICS ARE ON BATTENS, U.N.O. SYMMETRY AND UNIFORM SPACING IS REQUIRED FOR ROUGH-IN AND CABLE DROPS. PROVIDE A MANAGED SERVICE DROP FOR ALL OVERHEAD MICS AT END OF BATTEN, WITH APPROPRIATE BLACK, KEEP ALL CABLES FOR ALL MICS AWAY FROM ALL ELECTRIC. IF NEEDED, CROSS OVER ADJACENT POWER WITH CLEARANCE. DETAIL CABLE MANAGEMENT ON SHOPS BEFORE INSTALLATION FOR OVERHEAD MICS, 9' AFF. PROVIDE XLR FANTAIL. SEE SPECIFICATION 27 41 01 FOR REQUIREMENTS.
  - DUAL 14-GAUGE SPEAKER WIRE TO EACH CABINET. PROVIDE SUPPLEMENTAL STEEL AND COORDINATE PRECISELY FOR ORIENTATION AND POSITION WITH CEILING CLOUDS WITH LIFT ACCESS AVAILABLE.
  - COORDINATE INTERCOM CABLING AND PATH AS REQUIRED. REVIEW POWER SUPPLY AND LOAD WITH MANUFACTURER FOR ACTUAL WIRE PULLS USED ON SITE AND MAINTAIN RESERVE FOR CLEAR LEVELS. PROVIDE TERMINATION BLOCK AT REAR OF RACK AS REQUIRED FOR FIELD LINES. MAINTAIN CIRCULATING CABLE ROUTES, IN EXISTING CONDUIT OR EXTEND AS REQUIRED, AND DO NOT 1-TAP. COORDINATE WITH MANUFACTURERS IN ADVANCE. TAG ALL CABLES AT ALL INTERMEDIATE BOXES. QUANTITY PER PLANS WITH MULTIPLE CHANNELS AND TAGGED INTERMEDIATE BOXES.
  - PODIUM MICROPHONE: FIELD COORDINATE INSTALLATION OF PODIUM MIC WITH RUBBER ISOLATION MOUNT IN PODIUM. PROVIDE CABLE INSIDE PODIUM WITH XLR AT BASE OF PODIUM AND RUBBER JACKET 30' XLR CABLE EXTENSION WITH BRANDED SHIELD CABLE TO FLOOR BOX. DO NOT USE FOIL WRAPPED MIC CABLE FOR THIS PORTABLE DEVICE. PROVIDE BRACKETS IN PODIUM FOR CABLE MANAGEMENT.
  - SEE LOUDSPEAKER LOCATION AND AIM SCHEDULE ON T400 FOR PRECISION AIM REQUIREMENTS BY AVC WITH LIFT. REVIEW ARCHITECTURAL DRAWINGS AND PROVIDE SUBMITTALS/SHOP DRAWINGS BEFORE INSTALLATION. NO EXCEPTION. PAINT VISIBLE SUSPENSIONS BLACK, IF EXPOSED (FIELD SPRAY ACCEPTABLE).
  - EXISTING WIRELESS MIC IN PORTABLE CASE. RE-RACK MICROPHONES AT MAIN RACK AND TURN OVER PORTABLE RACKS TO OWNER. PATHFINDER IS REQUIRED FOR SHOPS AND IS PRESET AS "TYPICAL" FOR THIS PROJECT. NO APPROVAL OF SHOPS WILL BE PERMITTED WITHOUT PATHFINDER REVIEWED BY KJWW ENGINEERING. NOTE ESTIMATE OF DSP % RESOURCES USED WITH PATHFINDER SUBMISSION. SIGNAL BLOCK SHALL BE LABELED FOR ACTUAL FUNCTIONS. H.P.F. INSTALLED IN ALL SIG PATHS. AN OVERLOAD INDICATOR FOR EACH GAIN STAGE, AND SHALL FOLLOW SPECIFICATION, EXPLICITLY.
  - MANAGE COAX EXTENSION OUTSIDE OF RACK TO BE LINE OF SIGHT TO RECEIVERS.
  - ALLOW SPARE PORTS AND SPARE CABLES FOR FUTURE EXPANSION TO NEAREST MDF/RD.
  - RACK MOUNTED VOLUME CONTROL, AV-VOL-R, IS LOCATED IN STAGE MANAGER'S RACK - AV-ER-3.
  - VERIFY LOCATIONS ON SITE. PROVIDE 70V SPEAKER AND VOLUME CONTROL IN EACH DRESSING ROOM AT EXISTING LOCATIONS.
  - PROVIDE AV-AS-1W INTERCOM SPEAKER STATION IN EACH DRESSING ROOM AT EXISTING LOCATIONS.
  - PROVIDE EXTERNAL ANTENNA OUTSIDE RACK FOR WIRELESS AS REQUIRED FOR INTERCOM RECEPTION ON STAGE.



**1 AUDIO RISER DIAGRAM**  
NO SCALE





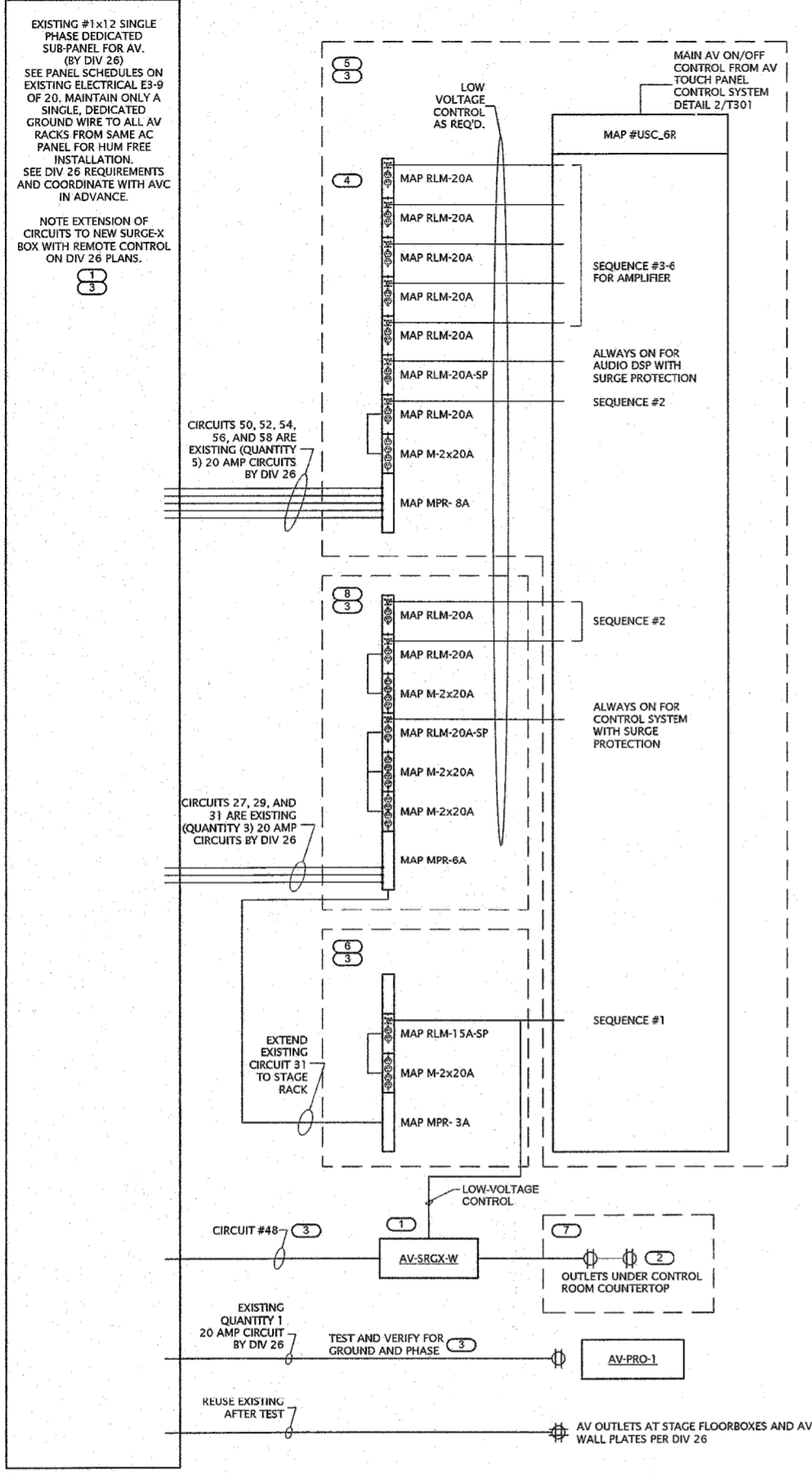
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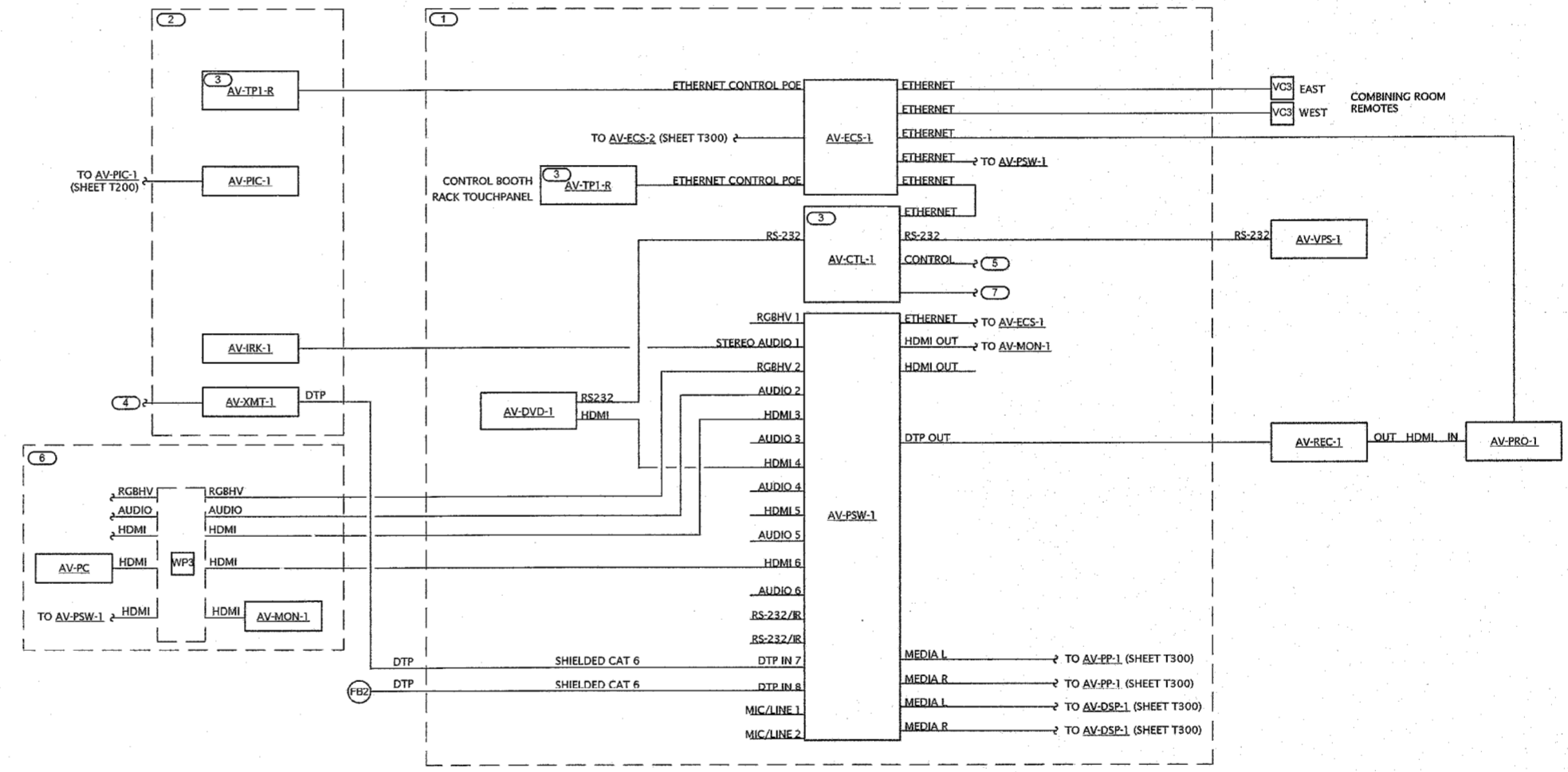
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DESIGNED BY: JTB	ISSUE DATE: 05/02/2017		
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**1 ELECTRICAL RISER DIAGRAM**

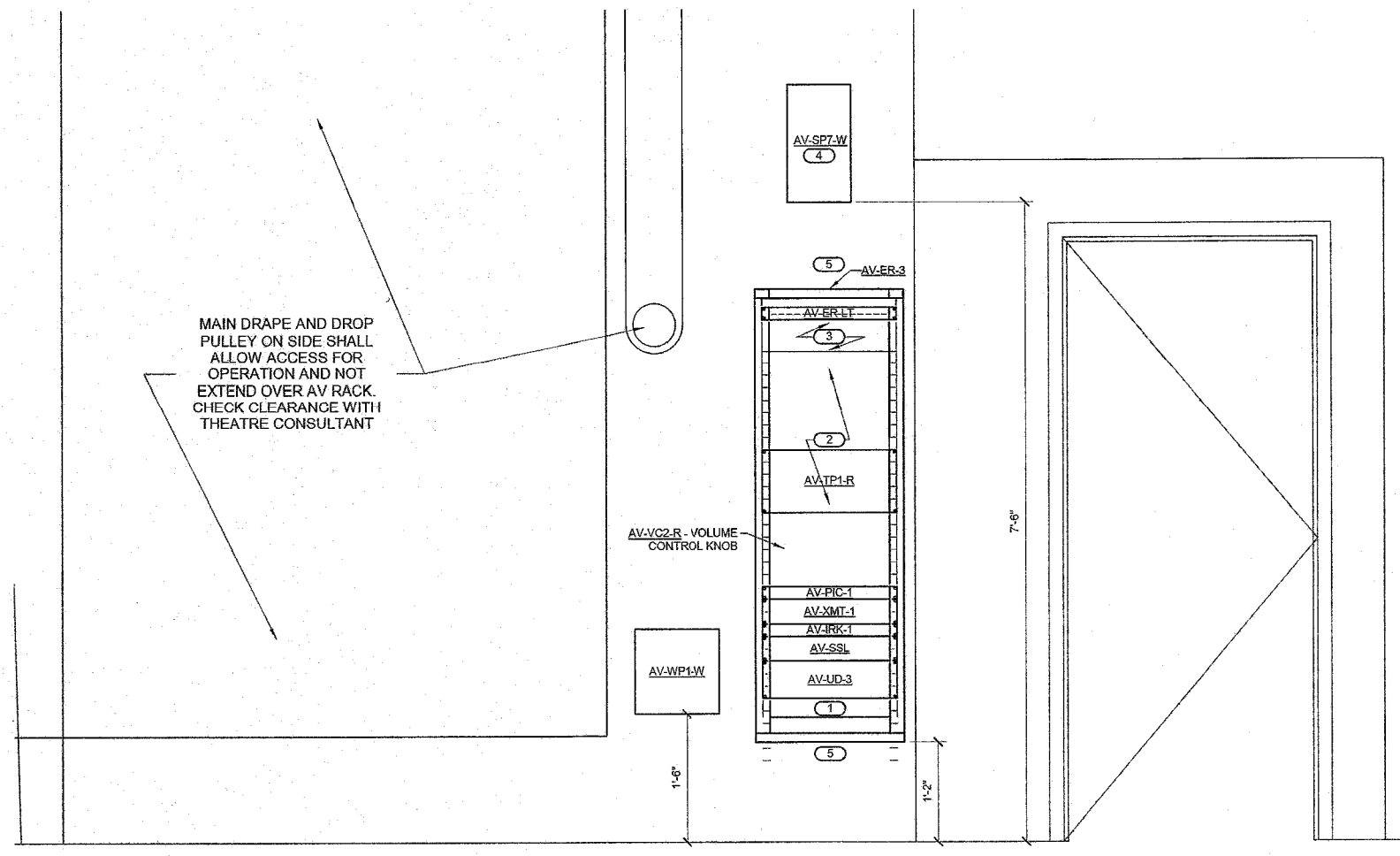
- NO SCALE  
 NOTES:
- REVIEW AV AC POWER LOCATION WITH DIV 26 BEFORE BID DATE AND INCLUDE ALL WORK
  - AV RACK STRIPS AND SEQUENCER IS PROVIDED BY AV DIV 27 TO EC DIV 26 - INSTALLED BY DIV 26 CONTRACTOR
  - REFER TO SPECIFICATION 27.41.01 FOR AC POWER SEQUENCER REQUIREMENTS AND PRODUCT MODEL
- KEYNOTES: (E)
- DIV 27 CONTRACTOR TO PROVIDE LOW-VOLTAGE CONTROL FOR SEQUENCE ON/OFF. MOUNT SURGE-X AT MIX AREA AND INSERT BEFORE EXISTING AC UTILITY OUTLETS AT WALL. FOR MIXER. SEE DIV 26
  - COORDINATE WITH THEATRICAL DRAWINGS PLUS ARCHITECTURAL DRAWINGS FOR MEANS AND METHODS. VERIFY SINGLE TECHNICAL GROUND BETWEEN BOOTH AND RACKS WITH DIV 26 EC.
  - TEST FOR AV TECHNICAL GROUND TO AV RACKS AND VERIFY SINGLE GROUND WITHOUT HUM OR BUZZ. ALL AV SHALL BE A UNIPONT TECHNICAL GROUND BETWEEN ALL SYSTEM RACKS AND MIX LOCATION.
  - MODULAR POWER STRIP PROVIDED BY DIV 27 WITH 120VAC TERMINATION BY DIV 26
  - MAIN AMP RACK - AV-ER-1
  - STAGE MANAGER'S RACK - AV-ER-3
  - COUNTER TOP OUTLETS
  - CONTROL BOOTH RACK - AV-ER-2



**2 VIDEO/CONTROL RISER DIAGRAM**

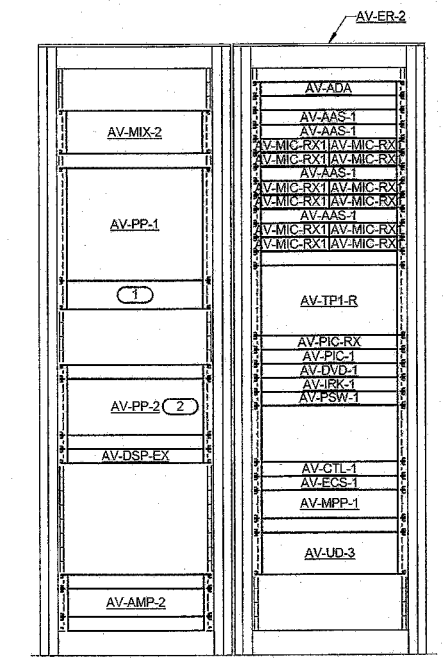
- NO SCALE  
 NOTES:
- REFER TO RACK ELEVATION DETAILS 1/T302 AND 2/T302 FOR MORE INFORMATION. ALL NEW CABLE U.N.O.
- KEYNOTES: (F)
- CONTROL BOOTH RACK AV-ER-2 - REFER TO ELEVATION 2/T302
  - STAGE MANAGER RACK AV-ER-3 - REFER TO DETAIL 1/T302 FOR LAYOUT
  - ALL TOUCH PANELS ARE PROGRAMMED IDENTICALLY. REFER TO SPEC 27.41.01 AND 27.05.01 FOR COMPLETE CONTROL REQUIREMENTS. TOUCH PANEL CONTROLS SHALL INCLUDE, BUT NOT BE LIMITED TO:
    - MAIN AV SYSTEM POWER ON/OFF
    - PROJECTOR ON/OFF AND VIDEO MUTE
    - SYSTEM MODE: SIMPLE OR FULL TECHNICAL MODE
    - AUDIO VOLUME CONTROL:
      - AUTOMATIC MIC VOLUMES
      - WIRELESS AUTOMIC - HEADSET
      - WIRELESS AUTOMIC - HANDHELD
      - MEDIA INPUT (PLATE OR RACK)
      - VIDEO (SWITCHER) AUDIO VOLUME
      - MASTER TALKER VOLUME
      - MASTER MEDIA VOLUME
    - VIDEO SWITCHING:
      - INPUTS TO PROJECTOR
      - PORTABLE MEDIA INPUT CONTROL
      - VIDEO SCREEN CONTROL
      - DVD PLAYBACK CONTROLS
      - PRESET LIGHTING CONTROL - (CABLE AND PRESETS BY OTHERS)
      - PROVIDE AUDIO SPEAKER ON FOR OVERFLOW ROOMS AND MUTE VIDEO FOR LOCAL SYSTEM
  - PROVIDE VGA, 3.5mm, AND HDMI CABLE FOR CONNECTION OF OWNER PROVIDED EQUIPMENT AT STAGE MANAGERS RACK
  - MAIN AV SYSTEM ON/OFF CONTROL TO AC POWER SEQUENCER. REFER TO DETAIL 1/T301
  - CONTROL BOOTH DESK: PROVIDE VGA, 3.5mm AUDIO, AND HDMI CABLE TO CONTROL BOOTH DESK FOR PORTABLE LAPTOP INPUT. PROVIDE HDMI CABLE TO LOCAL PC AND LOCAL PREVIEW DISPLAY
  - RS-232 CONTROL TO AUDITORIUM LIGHTING SYSTEM FOR LIGHTING PRESET. PROVIDE CONTROL CABLE FROM RACK TO WALL MOUNTED RS-232 OUTLET INSTALLED BY LIGHTING SYSTEM CONTRACTOR. COORDINATE WITH LIGHTING CONTRACTOR FOR CONTROL REQUIREMENTS

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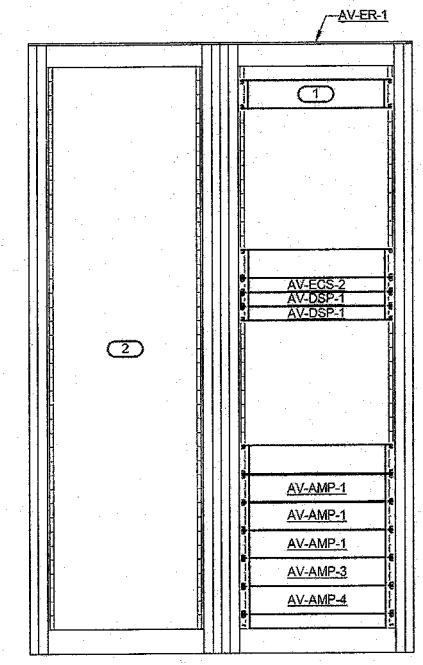
**1 STAGE MANAGERS RACK PROSCENIUM SIDE**  
1" = 1'-0"

- NOTES:**
- COORDINATE WITH LIGHTING CONTROL CONTRACTOR FOR SHARED SPACE IN RACK. RACK IS PROVIDED BY A.V.C.
- KEYNOTES:**
- PROVIDE 24" SPACE FOR LIGHTING SYSTEM CONNECTION PLATE.
  - PROVIDE 104" SPACE FOR LIGHTING SYSTEM CONTROLS - VERIFY AND COORDINATE.
  - SPACE FOR FUTURE: PROVIDE 10" BLANK PLATES FOR DEAD FRONT RACK IN 14" (1.75" PER SPACE).
  - AIM DOWN 25 DEGREES ON ARTICULATING BRACKET OR MOUNT WITH 3/4" CONDUIT EXTENDED TO AUTOFORMER OR VOLUME CONTROL.
  - AVC TO INDICATE NEW CONDUIT FOR NEW RACK ON SHOPS. MAINTAIN CABLE SEPARATION.



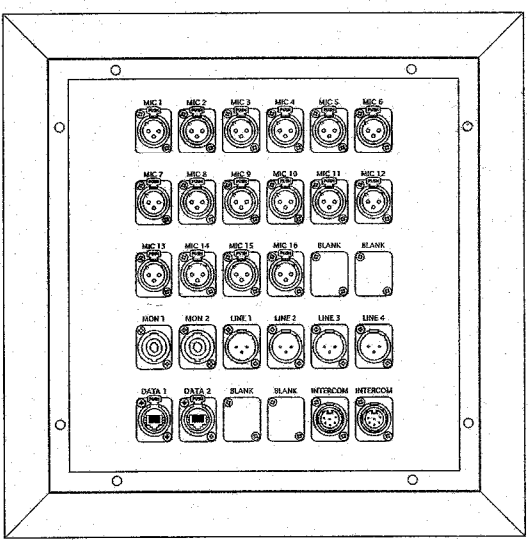
**2 CONTROL BOOTH RACK ELEVATION**  
1" = 1'-0"

- NOTES:**
- PROVIDE BRUSH GROMMET CABLE PASS THROUGH PANEL WITH STRAIN RELIEF FOR AUDIO MIXER FANTAIL PATCH CABLE.
  - PROVIDE (6 QTY 2" AND 2 QTY 3") SPEAKON PATCH CABLES, 14 AWG, FOR SPEAKER MONITOR PATCH PANEL.



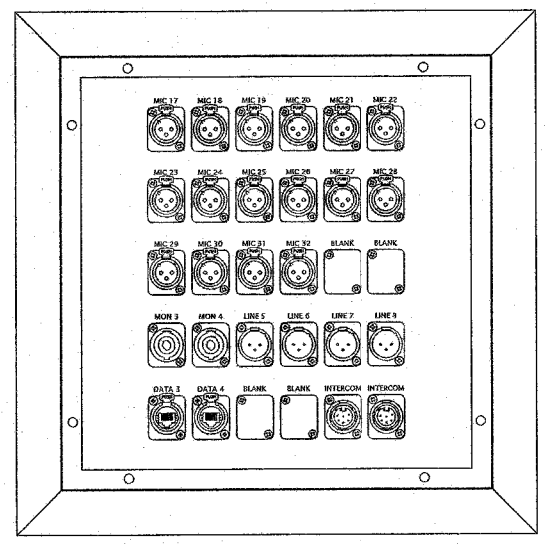
**3 AMP RACK ELEVATION**  
1" = 1'-0"

- NOTES:**
- AC POWER SEQUENCER CONTROL.
  - EXISTING SPARE AMPS, WIRED TO AC STRIP.



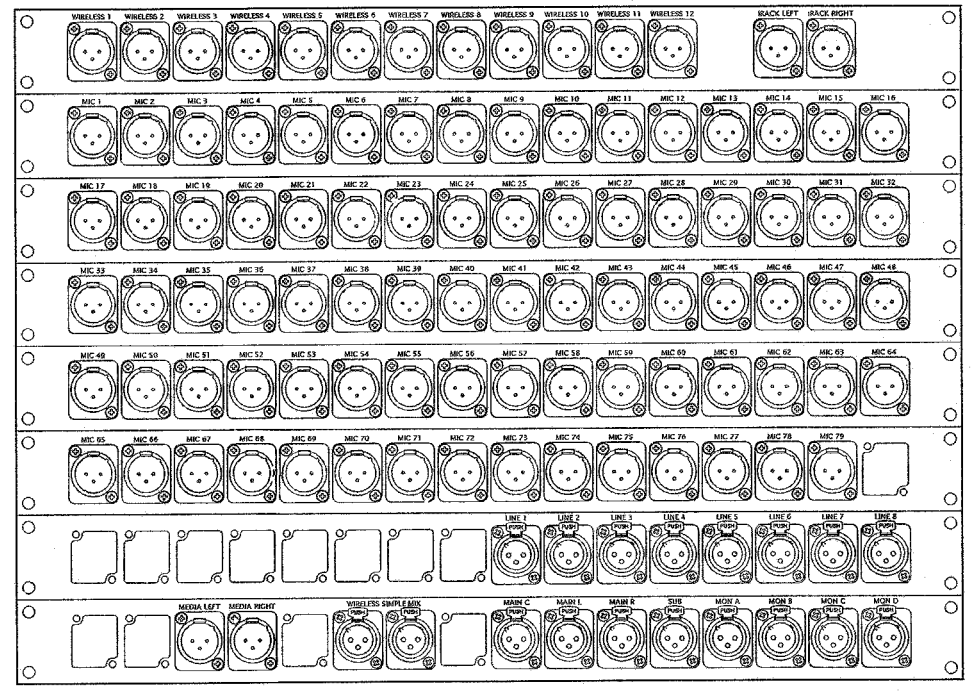
**4 WALL PLATE 1 DETAIL**  
NO SCALE

- NOTES:**
- COORDINATE EACH PANEL WITH BACKBOX BY E.C. ON SITE.
  - MAINTAIN CABLE SEPARATION AND DENOTE CONDUIT ON SHOPS BEFORE INSTALLATION.
  - COORDINATE WITH DIV 26 FOR POWER NEXT TO PLATE, PER DIV 26.
  - ALL LABELS ARE ENGRAVED, FILLED, AND CONFIRMED ON SHOPS BEFORE INSTALLATION.



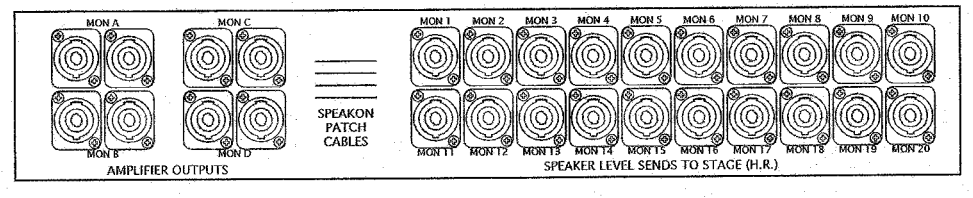
**5 WALL PLATE 2 DETAIL**  
NO SCALE

- NOTES:**
- COORDINATE EACH PANEL WITH BACKBOX BY E.C. ON SITE.
  - MAINTAIN CABLE SEPARATION AND DENOTE CONDUIT ON SHOPS BEFORE INSTALLATION.
  - COORDINATE WITH DIV 26 FOR POWER NEXT TO PLATE, PER DIV 26.
  - ALL LABELS ARE ENGRAVED, FILLED, AND CONFIRMED ON SHOPS BEFORE INSTALLATION.



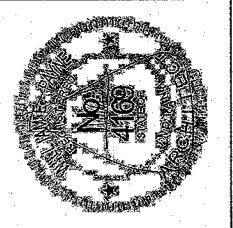
**6 PATCH PANEL 1 DETAIL**  
NO SCALE

- NOTES:**
- ALL LABELS ARE ENGRAVED, FILLED, AND CONFIRMED ON SHOPS BEFORE INSTALLATION. SEE DIV 27 FOR PATCH CABLES TO BE ADDED.

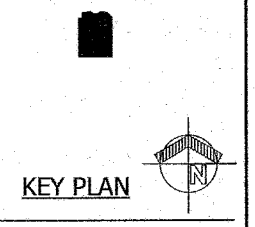


**7 PATCH PANEL 2 DETAIL**  
NO SCALE

- NOTES:**
- ALL LABELS ARE ENGRAVED, FILLED, AND CONFIRMED ON SHOPS BEFORE INSTALLATION.

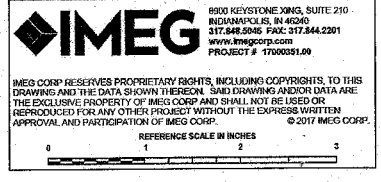


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DRAWN BY: JHS	CHECKED BY: JHS
CONTR. NO.: 1710	ISSUE DATE: 05.09.2017
REV	DISCUSSION DATE
<b>T302</b>	
Lawrence Central HS Auditorium 17000351.00	





GENERAL TECHNOLOGY EQUIPMENT SCHEDULE

THE EQUIPMENT LIST ABBREVIATIONS AND THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.

Table with columns: EQUIPMENT LIST ABBREVIATION, EQUIPMENT LIST DESCRIPTION, EQUIPMENT LIST MANUFACTURER AND MODEL. Rows include AV-AAS-1, AV-ADA, AV-AMP-1, AV-AMP-2, AV-AMP-3, AV-AMP-4, AV-CTL-1, AV-DSP-1, AV-DSP-EX, AV-DVD-1, AV-EOS-1, AV-EOS-2, AV-ER-1, AV-ER-2, AV-ER-3, AV-ER-LT, AV-FB-1, AV-FB-2, AV-IRK-1, AV-IS1-W, AV-IS2-W, AV-IS1-W, AV-IS2-W, AV-IS3-W, AV-IS4-W, AV-IS5-W, AV-IS6-W, AV-IS7-W, AV-IS8-W, AV-IS9-W, AV-IS10-W, AV-IS11-W, AV-IS12-W, AV-IS13-W, AV-IS14-W, AV-IS15-W, AV-IS16-W, AV-IS17-W, AV-IS18-W, AV-IS19-W, AV-IS20-W, AV-IS21-W, AV-IS22-W, AV-IS23-W, AV-IS24-W, AV-IS25-W, AV-IS26-W, AV-IS27-W, AV-IS28-W, AV-IS29-W, AV-IS30-W, AV-IS31-W, AV-IS32-W, AV-IS33-W, AV-IS34-W, AV-IS35-W, AV-IS36-W, AV-IS37-W, AV-IS38-W, AV-IS39-W, AV-IS40-W, AV-IS41-W, AV-IS42-W, AV-IS43-W, AV-IS44-W, AV-IS45-W, AV-IS46-W, AV-IS47-W, AV-IS48-W, AV-IS49-W, AV-IS50-W.

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Table with columns: EQUIPMENT LIST ABBREVIATION, EQUIPMENT LIST DESCRIPTION, EQUIPMENT LIST MANUFACTURER AND MODEL. Rows include AV-MP-2, AV-MP-W, AV-MP-P, AV-MP-R, AV-MP-RX, AV-MP-1, AV-MP-2, AV-MP-3, AV-MP-4, AV-MP-5, AV-MP-6, AV-MP-7, AV-MP-8, AV-MP-9, AV-MP-10, AV-MP-11, AV-MP-12, AV-MP-13, AV-MP-14, AV-MP-15, AV-MP-16, AV-MP-17, AV-MP-18, AV-MP-19, AV-MP-20, AV-MP-21, AV-MP-22, AV-MP-23, AV-MP-24, AV-MP-25, AV-MP-26, AV-MP-27, AV-MP-28, AV-MP-29, AV-MP-30, AV-MP-31, AV-MP-32, AV-MP-33, AV-MP-34, AV-MP-35, AV-MP-36, AV-MP-37, AV-MP-38, AV-MP-39, AV-MP-40, AV-MP-41, AV-MP-42, AV-MP-43, AV-MP-44, AV-MP-45, AV-MP-46, AV-MP-47, AV-MP-48, AV-MP-49, AV-MP-50.

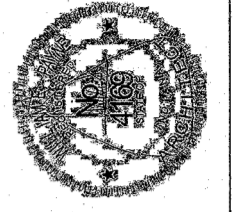
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Table with columns: EQUIPMENT LIST ABBREVIATION, EQUIPMENT LIST DESCRIPTION, EQUIPMENT LIST MANUFACTURER AND MODEL. Rows include AV-SR-3, AV-SSL, AV-TPL-R, AV-UD-3, AV-VCI-W, AV-VCI-R, AV-VCI-2, AV-VCI-3, AV-VPS-1, AV-VPS-2, AV-VPS-3, AV-VPS-4, AV-VPS-5, AV-VPS-6, AV-VPS-7, AV-VPS-8, AV-VPS-9, AV-VPS-10, AV-VPS-11, AV-VPS-12, AV-VPS-13, AV-VPS-14, AV-VPS-15, AV-VPS-16, AV-VPS-17, AV-VPS-18, AV-VPS-19, AV-VPS-20, AV-VPS-21, AV-VPS-22, AV-VPS-23, AV-VPS-24, AV-VPS-25, AV-VPS-26, AV-VPS-27, AV-VPS-28, AV-VPS-29, AV-VPS-30, AV-VPS-31, AV-VPS-32, AV-VPS-33, AV-VPS-34, AV-VPS-35, AV-VPS-36, AV-VPS-37, AV-VPS-38, AV-VPS-39, AV-VPS-40, AV-VPS-41, AV-VPS-42, AV-VPS-43, AV-VPS-44, AV-VPS-45, AV-VPS-46, AV-VPS-47, AV-VPS-48, AV-VPS-49, AV-VPS-50.

LOUDSPEAKER LOCATION AND AIM SCHEDULE. Table with columns: SPEAKER, MODEL, DELAY (MS), LOCATION (FT), SPEAKER AIM (DEGREES). Includes sub-table for LEGEND with columns: SPEAKER POINT, LOCATION X, LOCATION Y, LOCATION Z, HORIZONTAL AIM, VERTICAL AIM, ROTATION.

NOTES: 1. COORDINATE LOUDSPEAKER AIM WITH FIELD CONDITIONS AND VERIFY DIMENSIONS. ADJUST FOR DISTANCE FROM CENTERLINE TO CENTER OF SPEAKER. 2. COORDINATE LOUDSPEAKER AIM WITH FIELD CONDITIONS AND VERIFY DIMENSIONS. ADJUST FOR DISTANCE FROM CENTERLINE TO CENTER OF SPEAKER. 3. COORDINATE LOUDSPEAKER AIM WITH FIELD CONDITIONS AND VERIFY DIMENSIONS. ADJUST FOR DISTANCE FROM CENTERLINE TO CENTER OF SPEAKER. 4. COORDINATE LOUDSPEAKER AIM WITH FIELD CONDITIONS AND VERIFY DIMENSIONS. ADJUST FOR DISTANCE FROM CENTERLINE TO CENTER OF SPEAKER. 5. COORDINATE LOUDSPEAKER AIM WITH FIELD CONDITIONS AND VERIFY DIMENSIONS. ADJUST FOR DISTANCE FROM CENTERLINE TO CENTER OF SPEAKER. 6. COORDINATE LOUDSPEAKER AIM WITH FIELD CONDITIONS AND VERIFY DIMENSIONS. ADJUST FOR DISTANCE FROM CENTERLINE TO CENTER OF SPEAKER. 7. COORDINATE LOUDSPEAKER AIM WITH FIELD CONDITIONS AND VERIFY DIMENSIONS. ADJUST FOR DISTANCE FROM CENTERLINE TO CENTER OF SPEAKER. 8. COORDINATE LOUDSPEAKER AIM WITH FIELD CONDITIONS AND VERIFY DIMENSIONS. ADJUST FOR DISTANCE FROM CENTERLINE TO CENTER OF SPEAKER. 9. COORDINATE LOUDSPEAKER AIM WITH FIELD CONDITIONS AND VERIFY DIMENSIONS. ADJUST FOR DISTANCE FROM CENTERLINE TO CENTER OF SPEAKER. 10. COORDINATE LOUDSPEAKER AIM WITH FIELD CONDITIONS AND VERIFY DIMENSIONS. ADJUST FOR DISTANCE FROM CENTERLINE TO CENTER OF SPEAKER.



LAWRENCE CENTRAL HIGH SCHOOL AUDITORIUM RENOVATION - PHASE ONE METROPOLITAN SCHOOL DISTRICT OF LAWRENCE TOWNSHIP 7300 EAST 56TH STREET, INDIANAPOLIS, IN 46226



FANNING/HOWEY TECHNOLOGY SCHEDULES

DATE: 05/09/2017 T400

