

GENERAL NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH BY IBC 2015 EDITION AND SHALL CONFORM TO ALL OTHER APPLICABLE MUNICIPAL, STATE, AND FEDERAL REGULATIONS INCLUDING THE ILLINOIS ACCESSIBILITY CODE (2018) AND THE AMERICANS WITH DISABILITIES ACT.

A. GENERAL NOTES

- 1. ALL CONTRACTORS ARE REQUIRED TO VISIT THE SITE AND BE KNOWLEDGEABLE REGARDING EXISTING CONDITIONS AND THEIR EFFECT ON THE PROPOSED WORK. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ANY CONDITIONS REQUIRING MODIFICATION BEFORE PROCEEDING WITH THE PROJECT.
2. NOTIFY THE OWNER'S REPRESENTATIVE A MINIMUM OF 72 HOURS PRIOR TO THE INTERRUPTION OF ANY UTILITY.
3. CONTRACTORS AND SUBCONTRACTORS SHALL COORDINATE THEIR WORK WITH THAT OF OTHER TRADES.
4. NO WORK WILL BE PERMITTED TO BE INSTALLED WITHOUT RECEIPT AND SUBSEQUENT REVIEW OF FULL AND COMPLETE SUBMITTALS BY THE ARCHITECT/ENGINEER.
5. DO NOT SCALE DRAWINGS. DIMENSIONS INDICATED TAKE PRECEDENCE OVER SCALE.
6. VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD. WHERE DISCREPANCIES ARE FOUND BETWEEN DIMENSIONS OR ELEVATIONS SHOWN AND ACTUAL FIELD CONDITIONS, NOTIFY ARCHITECT/ENGINEER.
7. WHERE CONFLICTS MAY EXIST BETWEEN THE REQUIREMENTS OF PORTIONS OF THE CONTRACT DOCUMENTS, THE GREATER QUANTITY, HIGHER QUALITY OR MORE STRINGENT REQUIREMENT SHALL GOVERN. THEREFORE, BY EXECUTING A CONTRACT FOR CONSTRUCTION, THE CONTRACTOR AGREES THAT IF IT RAISED NO QUESTIONS REGARDING SUCH CONFLICTS DURING THE BIDDING PROCESS, AND IN THE ABSENCE OF A CLARIFYING ADDENDUM ISSUED DURING THE BIDDING PROCESS, IT HAS VOLUNTEERED TO COMPLY WITH THE MORE EXIGENT REQUIREMENT AS PART OF ITS BASE BID AND IS NOT ENTITLED TO ANY ADDITIONAL COMPENSATION TO RESOLVE THE CONFLICT.
8. THE CONTRACT DOCUMENTS REQUIRE THE CONTRACTOR TO FURNISH AND INSTALL COMPLETE PRODUCTS, SYSTEMS AND SERVICES. BY EXECUTING A CONTRACT FOR CONSTRUCTION, THE CONTRACTOR AGREES THAT THE DRAWINGS SET FORTH THE DESIGN INTENT AND, THEREFORE, MAY NOT EXPRESSLY DEPICT EVERY LENGTH, SEGMENT, PIECE, PART, COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE. THE CONTRACTOR FURTHER AGREES THAT, AS PART OF ITS BID, IT MUST FURNISH AND INSTALL EVERY LENGTH, SEGMENT, PIECE, PART, COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE AND, CONSEQUENTLY, THE CONTRACTOR IS NOT ENTITLED TO ANY ADDITIONAL COMPENSATION FOR ANY LENGTH, SEGMENT, PIECE, PART COMPONENT OR UNIT OF A PRODUCT, SYSTEM OR SERVICE BECAUSE IT IS NOT EXPRESSLY DEPICTED HEREIN.

B. MISCELLANEOUS AND DEMOLITION NOTES

- 1. COORDINATE PENETRATIONS AND/OR SLEEVES REQUIRED IN WALLS, FLOORS, CEILINGS OR ROOFS FOR MECHANICAL AND ELECTRICAL WORK REQUIRED BY ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
2. SEAL WITH UL APPROVED MATERIALS PENETRATIONS OF DUCTWORK, CONDUIT AND PIPES THROUGH FIRE-RATED ASSEMBLIES. TO MAINTAIN THE RATING INTEGRITY OF THOSE ASSEMBLIES, PROVIDE FIRE DAMPERS AS INDICATED ON THE DRAWINGS.
3. SEAL WITH ACOUSTICAL SEALANT PENETRATIONS OF DUCTWORK, CONDUIT AND PIPES THROUGH NON-RATED FLOORS, FULL-HEIGHT WALLS/PARTITIONS, ACOUSTICALLY INSULATED WALLS/PARTITIONS, AND SOUND-RATED WALLS/PARTITIONS, TO MAINTAIN THE ACOUSTICAL INTEGRITY OF THOSE ASSEMBLIES.
4. APPLY APPROPRIATE & COMPATIBLE SEALANT MATERIALS AS REQUIRED TO SEPARATE DISSIMILAR METALS. FILL GAPS IN EXISTING ASSEMBLIES OR WHERE NEW AND EXISTING ASSEMBLIES MEET OR WHERE OTHERWISE REQUIRED BY THE SPECIFICATIONS.
5. BRING ANY UNFORESEEN OR CONFLICTING CONDITIONS TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
6. REPAIR, PATCH, OR REPLACE FINISH MATERIALS OR VISIBLE ASSEMBLIES THAT ARE SOILED, CUT OR DAMAGED IN ANY FASHION DURING THE COURSE OF THE WORK. PERFORM PATCHING SUCH THAT EDGES BLEND INTO CONTIGUOUS SURFACES SMOOTHLY, MATCHING TEXTURE AND COLOR OF ADJACENT SURFACES.

STANDARD ABBREVIATIONS

Table with 4 columns: Abbreviation, Description, Abbreviation, Description. Includes entries like @ ANCHOR BOLT, ABR ABRASIVE, ACPC ACOUSTICAL CEILING PANEL, etc.

THE MATERIALS, ABBREVIATIONS, AND DRAFTING SYMBOLS LEGEND ARE EACH AN ALL INCLUSIVE MASTER LIST USED BY THIS FIRM. THE INCLUSION OF THESE LEGENDS INTO THESE DOCUMENTS DOES NOT IMPLY THAT ALL THE SYMBOLS OR MATERIALS INCLUDED IN THESE LEGENDS ARE INCORPORATED INTO THIS PROJECT. ABBREVIATIONS MAY APPEAR WITH PERIODS OR OTHER PUNCTUATION SEPARATING CHARACTERS ON THE DRAWINGS; THE MEANING REMAINS THE SAME.

Table with 2 columns: Symbol/Label, Description. Includes DETAIL CALLOUT, EXTERIOR ELEVATION, INTERIOR ELEVATION, SECTION REFERENCE, COLUMN NO., REFERENCE LINE NO., LOCATION, ROOM NUMBER, DOOR NO., NOMINAL THICKNESS, KEYNOTE, WINDOW TYPE, TOILET ACCESSORY, SPOT ELEVATION.

Table with 2 columns: Symbol/Label, Description. Includes FIRE-RATING, CONCRETE, BRICK MASONRY IN PLAN, STONE MASONRY IN PLAN, RAKED JOINT IN PLAN, BRICK MASONRY IN SECTION DETAIL, CONTINUOUS ROUGH WOOD FRAMING/BLOCKING IN SECTION, FINISHED WOOD IN SECTION DETAIL, RIGID BOARD INSULATION, BATT INSULATION, GYPSUM BOARD, BITUMINOUS CONCRETE, AGGREGATE BALLAST, UNDISTURBED EARTH, EARTH BACKFILL.

DRAFTING SYMBOLS AND MATERIALS LEGEND



PROJECT

AURORA POLICE DEPARTMENT
DIGITAL FORENSIC LAB:
PROJECT #25-151
1200 E. INDIAN TRAIL ROAD
AURORA, ILLINOIS 60505

OWNER

CITY OF AURORA
44 E. DOWNER PLACE
AURORA, ILLINOIS 60505

ARCHITECT/ENGINEER

KLUBER ARCHITECTS + ENGINEERS
41 W BENTON STREET
AURORA, ILLINOIS 60506
TEL (630) 406-1213
FAX (630) 406-9472
www.kluberinc.com

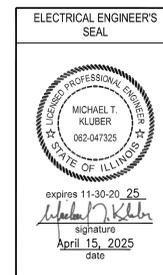
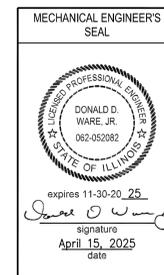
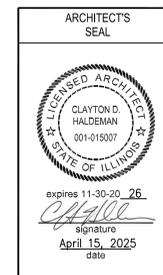
REQUIRED CODE COMPLIANCE INFORMATION

REQUIRED PLAN COVER SHEET INFORMATION FOR REVIEW UNDER 2015 INTERNATIONAL CODES, STATE OF ILLINOIS ACCESSIBILITY CODE, AND THE STATE OF ILLINOIS PLUMBING CODE CODE REVIEW DATA

GENERAL STATEMENT OF OVERALL PROJECT SCOPE AND INTENT: PROJECT CONSISTS OF INTERIOR ALTERATIONS AND REMODELING TO AN EXISTING POLICE DEPARTMENT. BUILDING COMPONENTS AND SYSTEMS MODIFIED OR REPLACED AS PART OF THE WORK OF THIS PROJECT HAVE BEEN BROUGHT UP TO MEET THE REQUIREMENTS OF THE APPLICABLE CURRENT CODES. THE AREAS ALTERED FOR OFFICE USE ARE CLASSIFIED AS GROUP B.

- A. USE AND OCCUPANCY GROUP(S) CLASSIFICATION: A-3, B, I-3.
B. TYPE OF CONSTRUCTION: IIB
C. OCCUPANT LOAD BASED ON INTERNATIONAL BUILDING CODE: THE OCCUPANT LOAD REDUCED FROM 34 TO 5.
D. OCCUPANT LOAD BASED ON ILLINOIS PLUMBING CODE: NOT APPLICABLE; NO CHANGE OF REQUIRED FIXTURE QUANTITIES.
E. DESIGNED LIVE LOADS: NOT APPLICABLE; THIS IS AN EXISTING BUILDING, TO WHICH NO MODIFICATIONS ARE BEING MADE TO STRUCTURAL COMPONENTS.
F. THE DESIGN PROFESSIONALS IN RESPONSIBLE CHARGE ARE IDENTIFIED IN THE SEALS AND CERTIFICATES AREA, BELOW.

SEALS & CERTIFICATIONS



I HAVE PREPARED, OR CAUSED TO BE PREPARED UNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND TO THE EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH IBC 2015 EDITION, THE ENVIRONMENTAL BARRIERS ACT AND THE ILLINOIS ACCESSIBILITY CODE.

KLUBER, INC. ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE #184-001284

"G" SERIES, "A" SERIES

"G" SERIES, "P" SERIES, "M" SERIES, "F" SERIES

"G" SERIES, "E" SERIES

INDEX OF DRAWINGS

Table with 2 columns: Code, Description. Includes GENERAL (G100 COVER SHEET, GENERAL NOTES, SYMBOLS, & DRAWING INDEX), ARCHITECTURAL (A220 SECOND FLOOR DEMOLITION PLAN, A220C REFLECTED CEILING PLAN, A320 SECOND FLOOR PLAN & FURNITURE PLAN, A320C REFLECTED CEILING PLAN, A800 DOOR, FRAME, HARDWARE & FINISH SCHEDULES, INTERIOR PARTITION TYPES & DETAILS, A1200 SECTION DETAILS), MECHANICAL / PLUMBING / FIRE PROTECTION (MFP320 SECOND FLOOR MECHANICAL, PLUMBING & FIRE PROTECTION PLANS), ELECTRICAL (E050 ELECTRICAL SYMBOLS LIST, ABBREVIATIONS, DETAILS, SINGLE LINE & SCHEDULES, E320 SECOND FLOOR ELECTRICAL LIGHTING, POWER & DEMOLITION PLANS).

AURORA POLICE DEPARTMENT DIGITAL FORENSIC LAB

1200 E. INDIAN TRAIL ROAD
AURORA, ILLINOIS 60505

ISSUED - CONTINUED

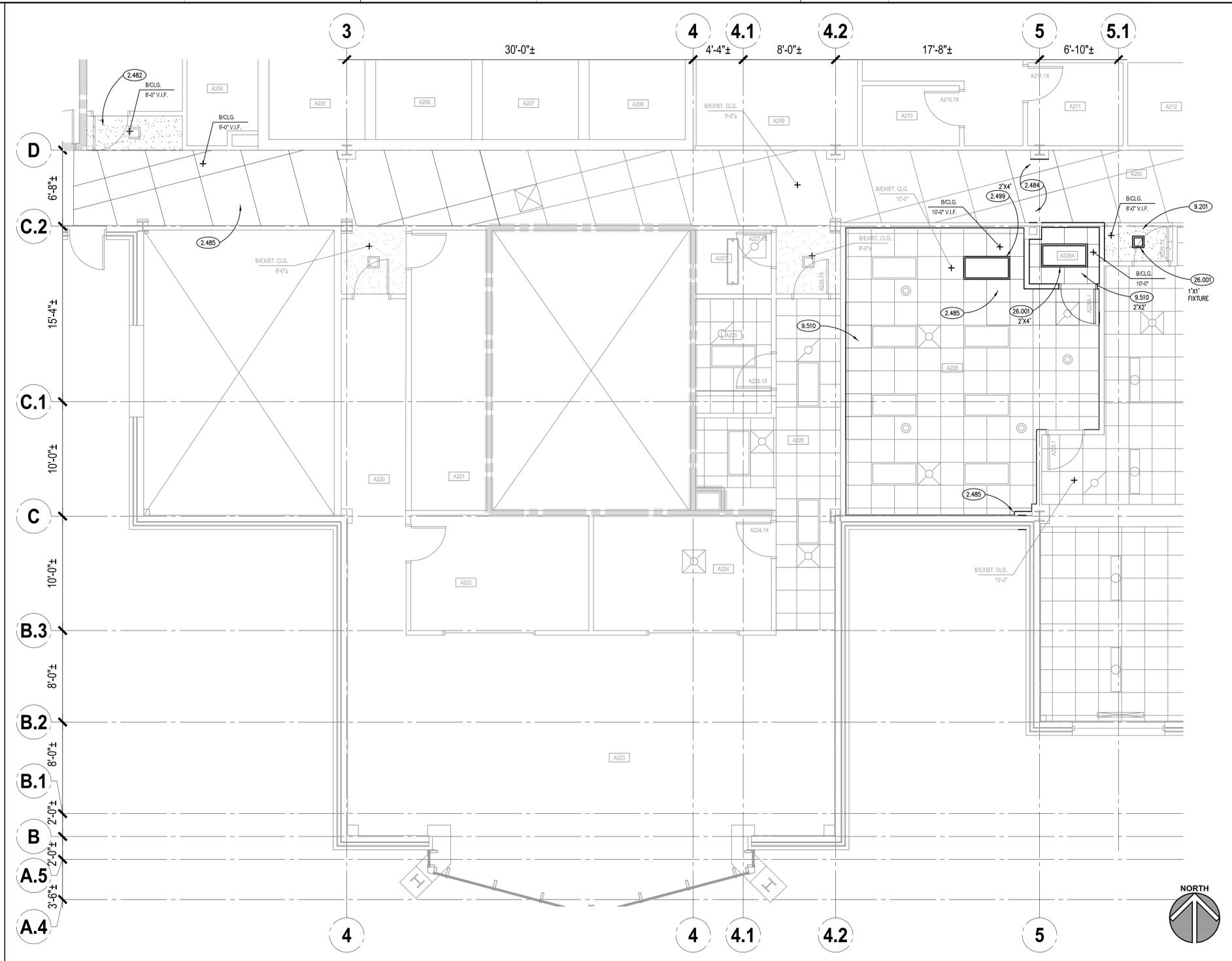
JOB NO. 25-130-1603
DRAWN NCO
CHECKED CDH
APPROVED JMB

SHEET TITLE

COVER SHEET, GENERAL NOTES, SYMBOLS, & DRAWING INDEX

SHEET NUMBER

G100



SECOND FLOOR REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0" **1**

KEYNOTES

2.482 REMOVE AND PATCH EXISTING DRYWALL SOFFIT AS REQUIRED FOR ELECTRICAL WORK; PAINT TO MATCH EXISTING.

2.484 TEMPORARILY REMOVE AND REINSTALL EXISTING INTERIOR CEILING FINISH: ACOUSTICAL PANELS AND SUSPENDED GRID AS REQUIRED FOR ELECTRICAL WORK.

2.485 TEMPORARILY REMOVE AND REINSTALL EXISTING INTERIOR CEILING FINISH: ACOUSTICAL PANELS AS REQUIRED; REMOVE SUSPENDED GRID AS REQUIRED FOR NEW WORK.

2.499 TEMPORARILY REMOVE AND REINSTALL LIGHT FIXTURE AS REQUIRED FOR AREA OF NEW WORK.

9.201 GYPSUM BOARD ASSEMBLY: SOFFIT/HEADER; CONFIGURATION AS INDICATED.

9.510 ACOUSTICAL CEILING PANELS AND GRID.

26.001 LIGHT FIXTURE: REFER TO ELECTRICAL DRAWINGS.

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

ROOM SCHEDULE

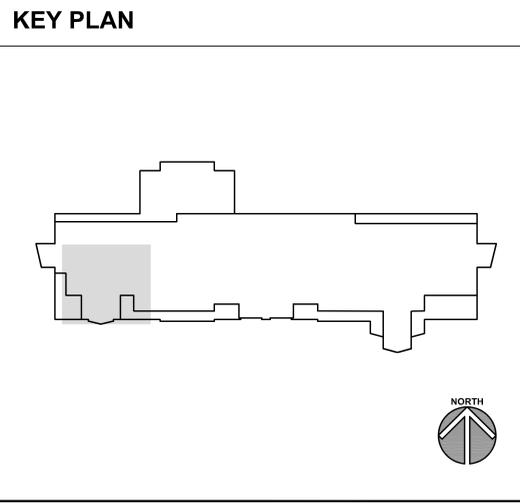
RM. NO.	ROOM NAME	RM. NO.	ROOM NAME
A200	EXISTING CORRIDOR	A228	DIGITAL FORENSIC LAB
A209	EXISTING CONFERENCE	A228A	I.T. CLOSET
A210	EXISTING PHONE	A229	EXISTING INVESTIGATIONS
A211	EXISTING EVIDENCE		
A212	EXISTING EVIDENCE		
A213	EXISTING EVIDENCE		
A224	EXISTING OFFICE		
A225	EXISTING STORAGE		
A226	EXISTING CORRIDOR		
A227	EXISTING JANITOR		

CEILING SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GYPSUM BOARD		MECHANICAL DIFFUSER: SUPPLY
	ACOUSTICAL CEILING TILE: 2' X 2'		MECHANICAL DIFFUSER: RETURN
	SPRINKLER HEADS: CONCEALED		LIGHT FIXTURE: 2' X 4'
			LIGHT FIXTURES: 2' X 2'; 1' X 1'

GENERAL NOTES

- REFER TO DRAWING G100 FOR PROJECT GENERAL NOTES.
- SPOT ELEVATIONS ARE DESIGNATED NOMINAL HEIGHTS ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. COORDINATE FINAL HEIGHTS OF CEILING ELEMENTS WITH INFORMATION CONTAINED ON STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS.
- IN LOCATIONS INDICATED TO VERIFY CEILING HEIGHTS, MATCH TO EXISTING.



ISSUED - CONTINUED

DATE	BY	PERMIT DOCUMENTS

JOB NO. 25-130-1603
DRAWN NCO
CHECKED CDH
APPROVED JMB

SHEET TITLE
SECOND FLOOR REFLECTED CEILING PLAN

SHEET NUMBER
A320C

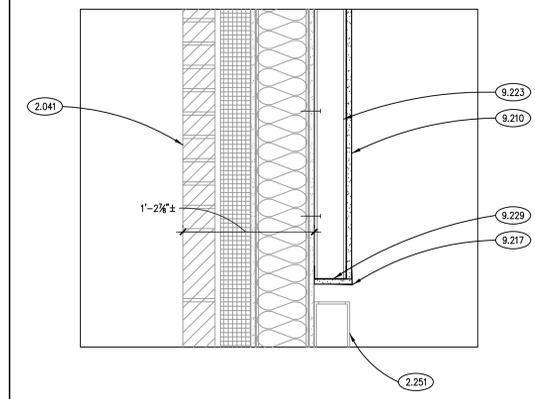
GENERAL NOTES

- REFER TO DRAWING G100 FOR PROJECT GENERAL NOTES.
- IN METAL STUD/GYPSUM BOARD PARTITIONS AND WALLS, PROVIDE 2X FIRE RETARDANT TREATED WOOD BLOCKING FOR WALL-MOUNTED ITEMS REQUIRING MECHANICAL ANCHORAGE.
- REFER TO DRAWING A800 FOR INTERIOR PARTITION WALL TYPES.

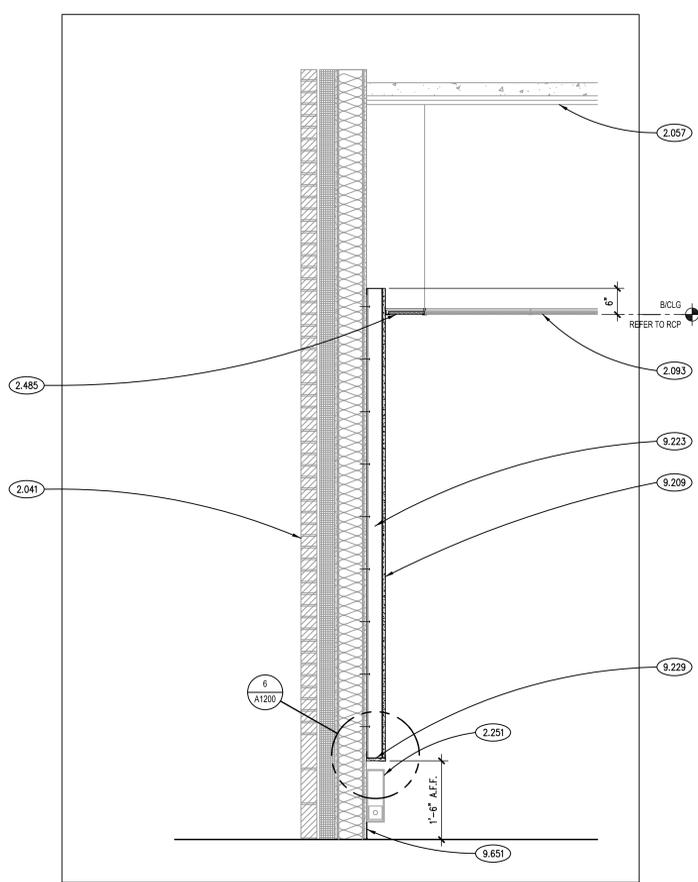
KEYNOTES

KEYNOTES ARE NOT ALWAYS REPEATED ACROSS ALL DRAWINGS ON THIS SHEET. AN UNKEYNOTED ITEM ON THIS SHEET IS THE SAME AS A KEYNOTED ITEM ON THIS SHEET HAVING THE SAME GRAPHIC APPEARANCE.

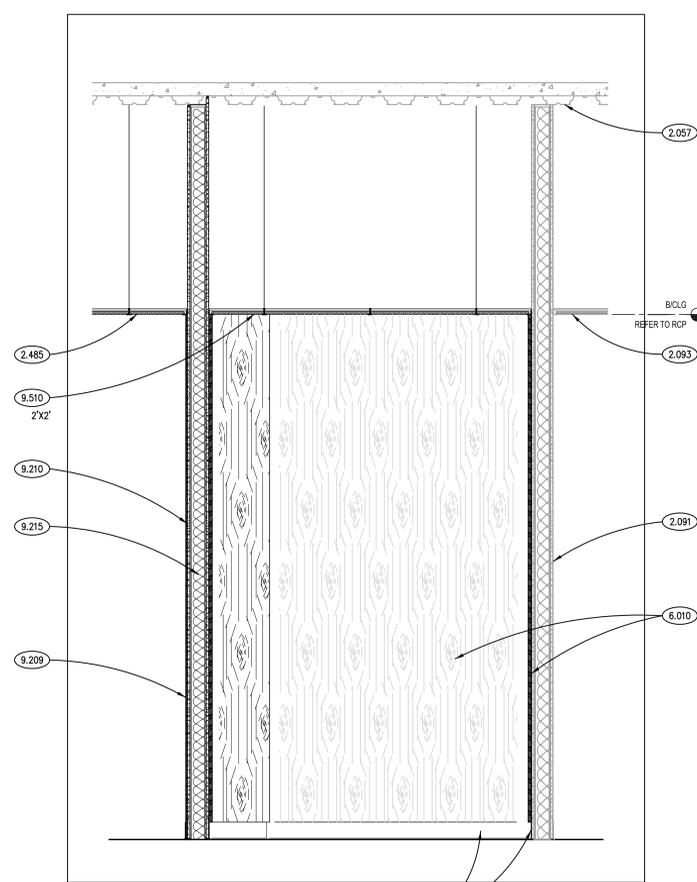
- 2.041 EXISTING MASONRY WALL ASSEMBLY.
- 2.057 EXISTING STEEL DECKING.
- 2.091 EXISTING DRYWALL CONSTRUCTION.
- 2.093 EXISTING INTERIOR CEILING FINISH: ACOUSTICAL PANELS AND SUSPENDED GRID.
- 2.251 EXISTING MECHANICAL SYSTEM COMPONENT: 12" HIGH X 4" DEEP BASEBOARD HEATER TO REMAIN.
- 2.485 TEMPORARILY REMOVE AND REINSTALL EXISTING INTERIOR CEILING FINISH: ACOUSTICAL PANELS AS REQUIRED; REMOVE SUSPENDED GRID AS REQUIRED FOR NEW WORK.
- 6.010 ELECTRICAL/COMMUNICATIONS EQUIPMENT MOUNTING BOARDS: 3/4" THICK PLYWOOD SHEETS; FIRE-RETARDANT TREATED; PROVIDE QUANTITY REQUIRED TO ACCOMMODATE ELECTRICAL EQUIPMENT; REFER TO ELECTRICAL DRAWINGS.
- 9.209 GYPSUM BOARD: 1/4" THICK; TYPE "X".
- 9.210 GYPSUM BOARD: 5/8" THICK; TYPE "X".
- 9.214 GYPSUM BOARD ACCESSORY: ACOUSTICAL SEALANT.
- 9.215 GYPSUM BOARD ACCESSORY: ACOUSTICAL INSULATION: SOUND ATTENUATION BATTS; THICKNESS AS SPECIFIED.
- 9.217 GYPSUM BOARD ACCESSORY: CORNER BEAD.
- 9.223 METAL STUD FRAMING: 3-5/8" STUD; 16" O.C. SPACING; 20 GAUGE UNLESS NOTED OTHERWISE; ANCHORAGE TO SUIT APPLICATION.
- 9.229 METAL STUD FRAMING: STUD RUNNER; SIZE TO MATCH METAL STUDS.
- 9.510 ACOUSTICAL CEILING PANELS AND GRID.
- 9.651 RESILIENT BASE: REFER TO A900 SERIES DRAWINGS.



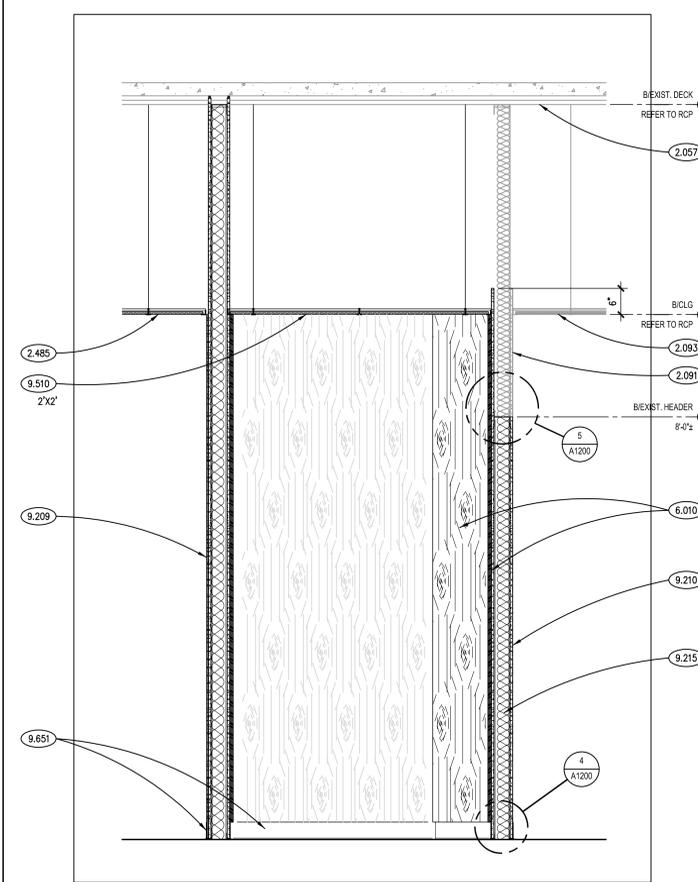
SECTION DETAIL 6
SCALE: 1/2" = 1'-0"



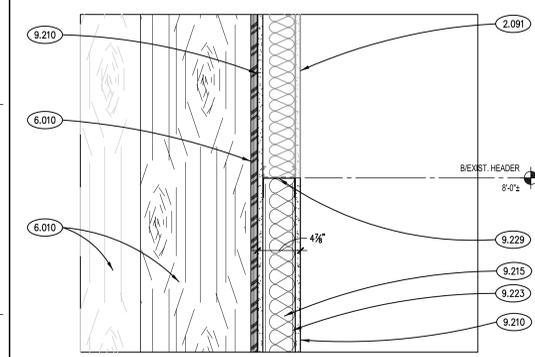
SECTION DETAIL 3
SCALE: 3/4" = 1'-0"



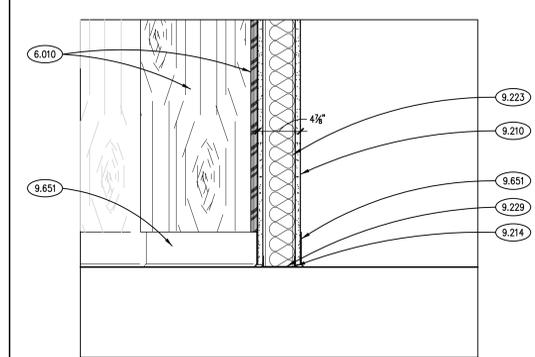
SECTION DETAIL 2
SCALE: 3/4" = 1'-0"



SECTION DETAIL 1
SCALE: 3/4" = 1'-0"



SECTION DETAIL 5
SCALE: 1/2" = 1'-0"



SECTION DETAIL 4
SCALE: 1/2" = 1'-0"

ISSUED - CONTINUED	
ISSUED	
DATE	ISSUED BY & PERMIT DOCUMENTS
JOB NO.	25-130-1603
DRAWN	NCO
CHECKED	CDH
APPROVED	JMB
SHEET TITLE	
SECTION DETAILS	
SHEET NUMBER	
A1200	

NOTE: SCALES DEPICTED ON THIS DRAWING ARE NOT CORRECT UNLESS PLOTTED SHEET SIZE IS 30 X 42 INCHES.

ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
A	AMPS	I	INTERMEDIATE DISTRIBUTION FRAME	P	PUSH BUTTON
AC	ABOVE COUNTER	IG	ISOLATED GROUND	PC	PLUMBING CONTRACTOR
AF	AMPERE FRAME/AMPERE FUSE	INC	INCANDESCENT	PDU	POWER DISTRIBUTION UNIT
AFB	ABOVE FINISHED FLOOR	INT	INTEGRAL	PH	PHASE
AHU	AIR HANDLING UNIT	IR	IN ROOM	PNL	PANEL
AIC	AMPERE INTERRUPTING CURRENT	IU	IN UNIT	PROVIDE	FURNISHED, INSTALLED, WIRED AND CONNECTED COMPLETE BY CONTRACTOR
AT	AMPERE TRIP			PVC	POLYVINYL CONDUIT
ATS	AUTOMATIC TRANSFER SWITCH	J	JUNCTION BOX	PW	PRE-WIRED
AWG	AMERICAN WIRE GAGE	JB	JUNCTION BOX	Q	QTY. QUANTITY
B	BREAKER	K	1000 CIRCULAR MILS	R	REQUIRED ROOF TOP UNIT
BKR	BREAKER	Kcmil	1000 CIRCULAR MILS	REQ'D	REQUIRED ROOF TOP UNIT
BOL	BUILT-IN OVERLOAD	KV	KILOVOLT	RTU	REQUIRED ROOF TOP UNIT
BWE	BAKED WHITE ENAMEL	KVA	KILOVOLT-AMPS	S	SEPARATE CIRCUIT
BTU	BRITISH THERMAL UNIT	KVAR	KILOVOLT-AMPS REACTIVE	SC	SEPARATE CIRCUIT
C	CONDUIT	KW	KILOWATT	SD	SMOKE DETECTOR
CATV	CABLE TELEVISION SYSTEM	KWH	KILOWATT-HOUR	SF	SQUARE FEET
C/B	CIRCUIT BREAKER	L	LOW-VOLTAGE	SPDT	SINGLE-POLE, DOUBLE-THROW
CCTV	CLOSED CIRCUIT TELEVISION	LP	LOW-VOLTAGE	SPST	SINGLE-POLE, SINGLE-THROW
CKT	CIRCUIT	LVT	LOW-VOLTAGE THERMOSTAT	SS	STAINLESS STEEL
CU	COPPER	M	MAGNETIC MOTOR STARTER	SW	SWITCH
DPDT	DOUBLE-POLE, DOUBLE-THROW	MAG	MAGNETIC MOTOR STARTER	SWBD	SWITCHBOARD
DPST	DOUBLE-POLE, SINGLE-THROW	MAN	MANUAL MOTOR STARTER	T	THERMOSTAT
DS	DOWNSPOUT	MC	MECHANICAL CONTRACTOR	TELE	TELEPHONE
E	ELECTRIC BASEBOARD HEATER	MCA	MAXIMUM CURRENT AMPACITY	TC	TIME CLOCK
EBH	ELECTRIC BASEBOARD HEATER	MCB	MAXIMUM CURRENT AMPACITY	TCP	TEMPERATURE CONTROL PANEL
EC, E.C.	ELECTRICAL CONTRACTOR	MCC	MOTOR CONTROL CENTER	TS	TOGGLE SWITCH
ECH	ELECTRIC CABINET HEATER	MD	MOTORIZED DAMPER	TTB	TELEPHONE TERMINAL BOARD
EF	EXHAUST FAN	MDF	MAIN DISTRIBUTION FRAME	TTT	TELEPHONE TERMINAL BOARD
EM	EMERGENCY	MDP	MAIN DISTRIBUTION PANEL	TUW	THRU WALL AIR CONDITIONING UNIT
EMT	ELECTRICAL METALLIC TUBING	MFR	MANUFACTURER	TYP.	TYPICAL
EWC	ELECTRIC WATER COOLER	MH	METAL HALIDE	U	UNDERGROUND
EWH	ELECTRIC WATER HEATER	MLO	MAIN LUG ONLY	UG	UNDERGROUND
F	FUSED	MNS	MASS NOTIFICATION SYSTEM	UH	UNIT HEATER
F	FUSED	MOCPP	MINIMUM OVERCURRENT PROTECTION	UL	UNDERWRITERS LABORATORIES, INC.
FAAP	FIRE ALARM ANNUNCIATOR PANEL	MS	MANUAL SWITCH	UL	UNDERWRITERS LABORATORIES, INC.
FACP	FIRE ALARM CONTROL PANEL	MSBD	MAIN SWITCH BOARD	U.N.O.	UNLESS NOTED OTHERWISE
FC	FUSE CLIP SIZE	MTD	MOUNTED	UM	UNIT MANUFACTURER
FB	FAN POWERED BOX	MUA	MAKE-UP AIR UNIT	UPS	UNINTERRUPTIBLE POWER SUPPLY
FBO	FURNISHED BY OTHERS	N	NOT APPLICABLE	V	VOLT
FLA	FULL LOAD AMPS	N/A	NOT APPLICABLE	VA	VOLT-AMPERES
FLR	FLOOR	N.C.	NORMALLY CLOSED	VAC	VOLT ALTERNATING CURRENT
FLR	FLOOR	N.F.	NORMALLY FUSED	VAV	VARIABLE AIR VOLUME
FPC	FIRE PROTECTION CONTRACTOR	N.I.C.	NOT IN CONTRACT	VFD	VARIABLE FREQUENCY DRIVE
FS	FLOAT SWITCH	NL	NIGHT LIGHT	W	WATT
FVNR	FULL-VOLTAGE, NON-REVERSING	N.O.	NORMALLY OPEN	W	WATT
G	GENERAL CONTRACTOR	N.T.S., NTS	NOT TO SCALE	W/O	WITHOUT
GC	GENERAL CONTRACTOR	NU	NEAR UNIT	WG	WIRE GUARD
GF1	GROUND FAULT CIRCUIT INTERRUPTER	O	OVERHEAD	WP	WEATHER PROOF
GRD	GROUND	O.H.	OVERHEAD	X	EXISTING EQUIPMENT
GRS	GALVANIZED RIGID STEEL	OU	ON UNIT	XFMR	TRANSFORMER
H	HAND-OFF-AUTOMATIC	OCPP	OVERCURRENT PROTECTION DEVICE	XP	EXPLOSION-PROOF
HP	HORSEPOWER				
HPS	HIGH PRESSURE SODIUM				
HVAC	HEATING AND VENTILATING CONTRACTOR				
HWGC	HEAVY WALL GALVANIZED CONDUIT				

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS, ABBREVIATIONS, ETC., ARE NECESSARILY USED IN THIS PROJECT.

ELECTRICAL SYMBOLS LIST

SYMBOL	DESCRIPTION
	2X4 RECESSED TROFFER FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
	3/4"X4"X8" DOWN LIGHT FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
	EMERGENCY LIGHT FIXTURE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
	SINGLE POLE TOGGLE SWITCH. 15A OR 20A AS REQUIRED. 120/277V. 1=SWITCHING CONTROL, P=PILOT LIGHT, K=KEYED SW., LV=LOW VOLTAGE.
	3-WAY TOGGLE SWITCH. 15A OR 20A AS REQUIRED. 120/277V. 3D=3 WAY DIMMER.
	DUPLEX RECEPTACLE. 20A 125V 2P 3W GRD. NEMA5-20R. 018" AFF. TR = TAMPER RESISTANT. 0=DEDICATED CIRCUIT. 1=MTD. C=CONTROLLED 048" AFF. OR 06" ABOVE COUNTER.
	COMMUNICATIONS OUTLET. FILLED IN IS TELE. 018" AFF. REFER TO COMMUNICATION OUTLET DETAIL. B = BLANK JACK, AV = AUDIO/VISUAL JACK, MIC = MICROPHONE JACK. 7 = 6" ABOVE COUNTER, AUX = AUX. CONNECT. PD=POP UP LOW VOLTAGE SECTION. PD=PEDESTAL MOUNTED.
	JUNCTION BOX. TS = TOMBSTONE TYPE. IN WALL OR SURFACE TYPE.
	WIRING IN CONDUIT CONCEALED ABOVE CEILING, IN WALL AND UNDER FLOOR OR UNDERGROUND.
	WIRING IN CONDUIT EXPOSED ON CEILING OR WALL.
	BRANCH CIRCUIT WIRING IN CONDUIT HOMERUN TO PANEL ONE ARROW PER HOMERUN. SLASHES INDICATE NUMBER OF CONDUCTORS.
	INDICATES ISOLATED GROUND CONDUCTOR.
	FIRE ALARM HORN/STROBE COMBINATION. 080" AFF. NUMBER INDICATES CANDELA LEVEL (110cd UNLESS NOTED OTHERWISE). MOTOR. HP = HORSE-POWER RATING.
	PANEL 240V & BELOW.
	PANEL ABOVE 240V.
MOUNTING HEIGHT	
FIRE ALARM PULL STATION	48"
STROBES	80"
FIRE ALARM BELLS(EXTERIOR)	12'-0"
FAFP & FAAP	48"
EXIT SIGNS(BOTTOM)	80"
TV OUTLET	18"
INTERCOM	48"
PHOTOCELL	12'-0"
RECEPTACLE(CENTERLINE)	18"
RECEPTACLE(EXTERIOR)	24"
RECEPTACLE(WAREHOUSE)	30"
TELEPHONE OUTLET(PUBLIC)	54"
TELEPHONE OUTLET	18"
SWITCH	48"
SAFETY SWITCHES	48"
PANELS(TOP)	72"
CLOCK(CENTERLINE)	96"
VIDEO OUTLET	96"
MISCELLANEOUS	
	HVAC EQUIPMENT IDENTIFICATION
	KEYNOTE IDENTIFICATION
	DETAIL IDENTIFICATION

ELECTRICAL SYMBOLS LIST CONT.

SYMBOL	DESCRIPTION
	TV OUTLET WITH CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE WITH PULL STRING. REFER TO TELE/DATA OUTLET DETAIL.
	PROXIMITY READER. DOUBLE GANG JUNCTION BOX WITH SINGLE GANG PLASTER RING AND 3/4" TO 2"X4" TO INDOOR ACCESSIBLE CEILING SPACE.
	MAGNETIC DOOR CONTACT SWITCH.
	ELECTRIC DOOR STRIKE.
	OCCUPANCY SENSOR SWITCH.
	TELEPHONE OUTLET 018" AFF. REFER TO COMMUNICATION OUTLET DETAIL. W=PUBLIC WALL PHONE 054" AFF. 2V= 2 PHONE JACKS. 7=6" ABOVE COUNTER.
	GFCI(GROUND FAULT CIRCUIT INTERRUPTER) PROTECTED RECEPTACLE. WP=WEATHER PROOF. 20A 125V 2P 3W GRD. NEMA5-20R. 018" AFF.
	GFCI(GROUND FAULT CIRCUIT INTERRUPTER) PROTECTED RECEPTACLE MTD. 048" AFF. OR 06" ABOVE COUNTER.

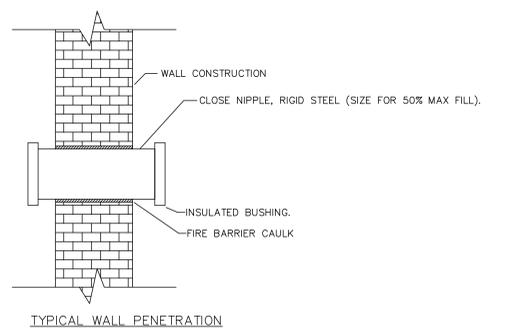
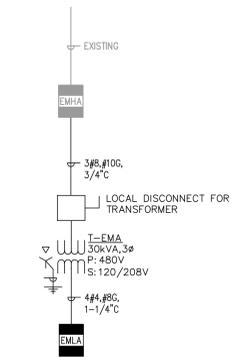
INTERIOR LUMINAIRE SCHEDULE									
TYPE	DESCRIPTION	MFGR.	CATALOG NUMBER		VOLTAGE	WATTAGE	FINISH	MOUNTING	NOTE
A	2x4 RECESSED TROFFER, 4000 LUMENS, DIMMABLE 0-10V, DOWN TO 1%, MATCHING EXISTING.	LITHONIA	2BLT4-40L-ADP-E21-LPSS SERIES	APPROVED EQUAL OR OTHER APPROVED EQUAL	277V	32W	WHITE	RECESSED	

HVAC EQUIPMENT SCHEDULE											
NO.	DESCRIPTION	FLA	KW	HP	VOL	PH	CCT NO.	DISC. FURN BY	STARTER	CIRCUIT WIRING	NOTE
HP-1/FCU-1	SPLIT SYSTEM	28.4	-	238	1		EMLA-1.3	E.C.	N/A	2#10,#10G, 3/4"	-
CP-1	CONDENSATE PUMP	1.5	-	1/30	120	1	EMLA-21	E.C.	INT.	2#12,#12G,3/4"	-

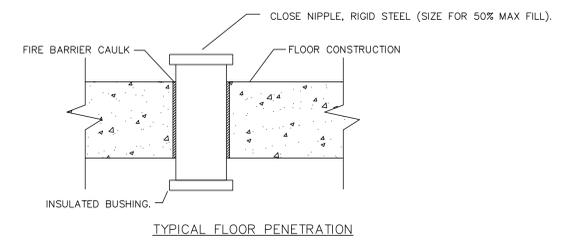
PANEL : EML-A 60 AMP MAIN BREAKER									
CKT. NO.	BRKR	DESCRIPTION	PHASE			DESCRIPTION	BRKR	CKT. NO.	
			A	B	C				
1	2P20	HP-1 / FCU-1	2746			SPARE	1P20	2	
3	/			2746		SPARE	1P20	4	
5	1P20	FLOOR BOXES		540		SPARE	1P20	6	
7	1P20	DESK RECEP	1200			SPARE	1P20	8	
9	1P20	DESK RECEP		1200		SPARE	1P20	10	
11	1P20	DESK RECEP			1200	SPARE	1P20	12	
13	1P20	IT QUAD	1000			SPARE	1P20	14	
15	1P20	IT QUAD		1000		SPARE	1P20	16	
17	1P20	IT DUPLEX			1000	SPARE	1P20	18	
19	1P20	GEN RECEPS	900			SPARE	1P20	20	
21	1P20	CP-1		180		SPACE		22	
23	1P20	DESK RECEP			1200	SPACE		24	
25	1P20	DESK RECEP	1200			SPACE		26	
27	1P20	DESK RECEP			1200	SPACE		28	
29		SPACE				SPACE		30	

TOTAL PHASE A:	7046	MOUNTING:	SURFACE	VOLTAGE (LN):	120
TOTAL PHASE B:	6326	RATING:	10,000	VOLTAGE (LL):	208
TOTAL PHASE C:	3940	ENCLOSURE:	NEMA 1	PHASE:	3
DEMAND VA:	17312	FED FROM:	EMLA	WIRE:	4
DEMAND AMPS:	48.05330702	FEEDER SIZE:	SEE SINGLE LINE	LOCATION:	ROOM 221

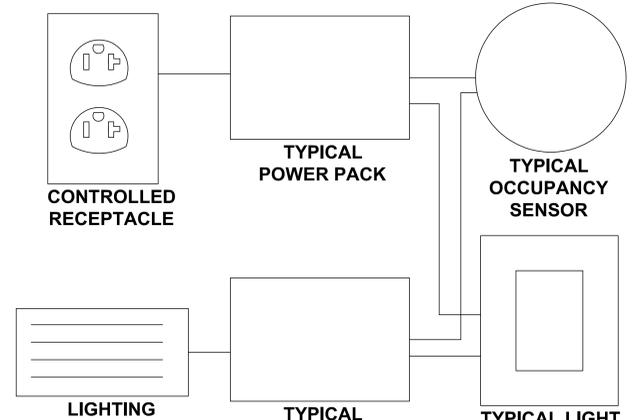
ELECTRICAL LIGHTING, MECHANICAL, SINGLE LINE & PANEL SCHEDULES



TYP. WALL PENETRATION DETAIL SCALE: N.T.S. 3



TYP. FLOOR PENETRATION DETAIL SCALE: N.T.S. 2

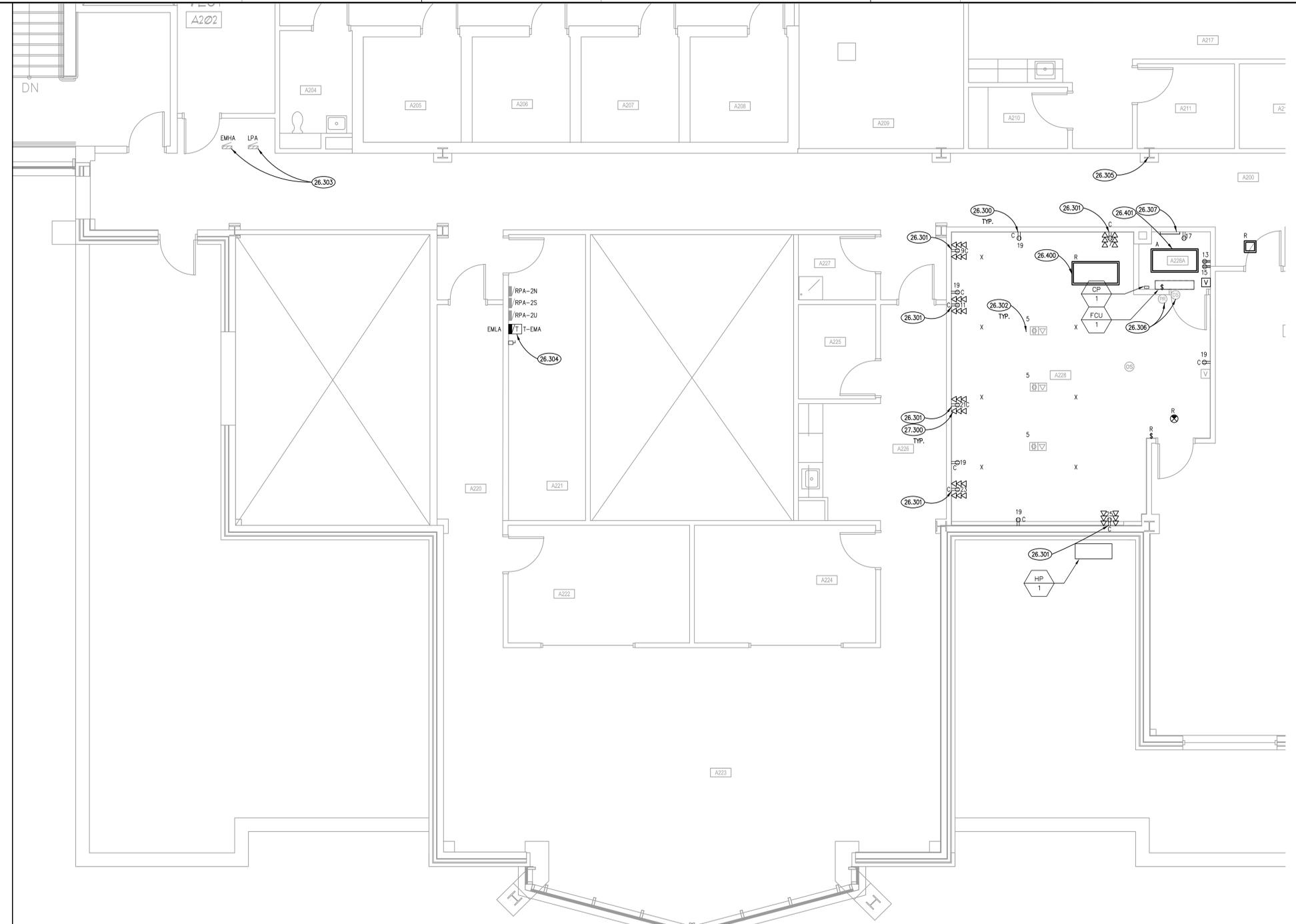
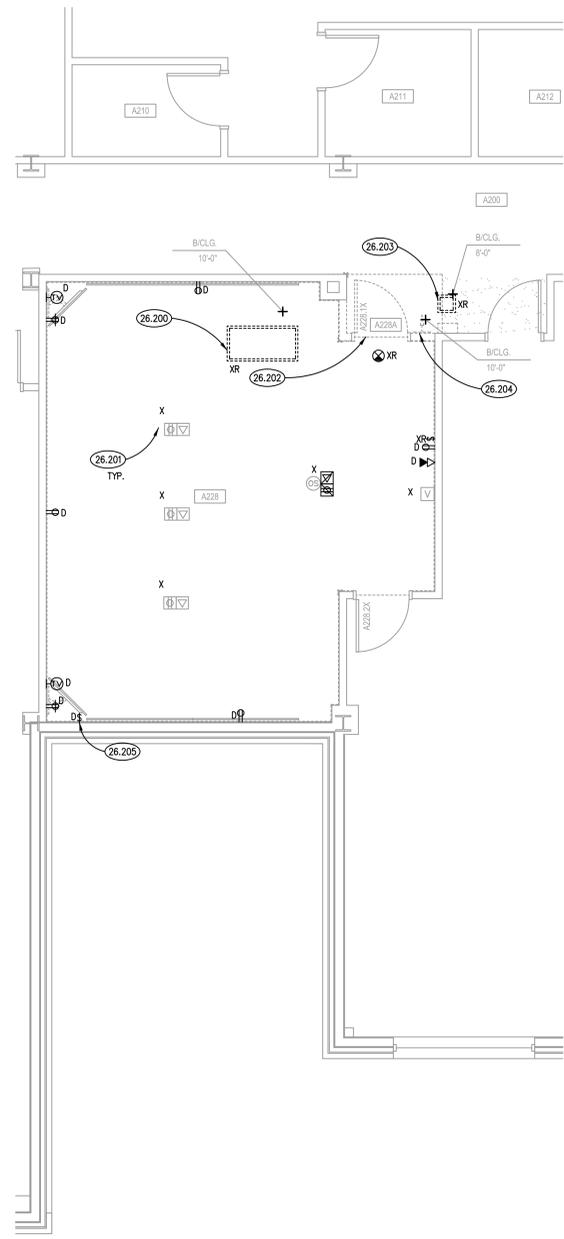


TYP. CONTROLLED RECEPTACLE DETAIL SCALE: N.T.S. 1

Kluber
 Architects + Engineers
 1200 E INDIAN TRAIL ROAD
 AURORA, ILLINOIS 60505

ISSUED - CONTINUED
 JOB NO. 25-130-1603
 DRAWN JWK
 CHECKED ATR
 APPROVED MTK
 SHEET TITLE
 ELECTRICAL SYMBOLS LIST, ABBREVIATIONS, DETAILS, SINGLE LINE & SCHEDULES
 SHEET NUMBER
E050

NOTE: SCALES DEPICTED ON THIS DRAWING ARE NOT CORRECT UNLESS PLOTTED SHEET SIZE IS 30 X 42 INCHES.



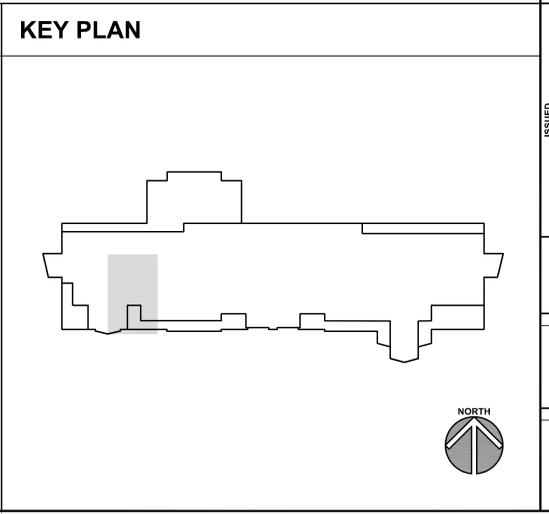
SECOND FLOOR ELECTRICAL DEMOLITION PLAN ②
SCALE: 1/4" = 1'-0"

SECOND FLOOR ELECTRICAL POWER & LIGHTING PLAN ①
SCALE: 1/4" = 1'-0"

ELECTRICAL DEMOLITION NOTATION	
N	NEW DEVICE OR EQUIPMENT.
D	EXISTING ELECTRICAL OUTLET OR EQUIPMENT TO BE DEMOLISHED COMPLETE INCLUDING BRANCH CIRCUITRY TO SOURCE.
X	EXISTING ELECTRICAL OUTLET OR EQUIPMENT TO REMAIN. (CIRCUIT # = REROUTE EXISTING CIRCUIT TO NEW CIRCUIT NUMBER)
R	EXISTING ELECTRICAL OUTLET OR EQUIPMENT RELOCATED. (NEW LOCATION)
XR	EXISTING ELECTRICAL OUTLET OR EQUIPMENT TO BE REMOVED & RELOCATED(OLD LOCATION)

ROOM SCHEDULE			
RM. NO.	ROOM NAME	RM. NO.	ROOM NAME
A200	EXISTING CORRIDOR	A228	DIGITAL FORENSIC LAB
A209	EXISTING CONFERENCE	A228A	LT. CLOSET
A210	EXISTING PHONE	A229	EXISTING INVESTIGATIONS
A211	EXISTING EVIDENCE		
A212	EXISTING EVIDENCE		
A213	EXISTING EVIDENCE		
A224	EXISTING OFFICE		
A225	EXISTING STORAGE		
A226	EXISTING CORRIDOR		
A227	EXISTING JANITOR		

KEYNOTES	
26.200	INTERCEPT AND EXTEND EXISTING LIGHTING FIXTURES IN ROOM A220 FROM PANEL A220-13 TO EMHA-13. ADDITIONALLY, THE NEW LIGHT FIXTURE IN THE IT ROOM IS TO BE CIRCUITED TO EMHA-3. REUSE EXISTING LIGHTING CONTROLS. PROVIDE CONDUIT & CABLING AS NECESSARY.
26.201	INTERCEPT AND EXTEND EXISTING FLOOR BOX CIRCUIT FROM PANEL RPA-25 TO NEW EMHA-5. PROVIDE NEW CONDUIT & CABLING AS NECESSARY.
26.202	RELOCATE LOW VOLTAGE BOXES AND WIRE ABOVE THE CEILING TO NEW SOUTH/WEST WALL OF THE IT ROOM. COORDINATE FINAL LOCATION WITH OWNER & ARCHITECT.
26.203	RELOCATE EXISTING CORRIDOR LIGHT FIXTURE, REUSE EXISTING POWER & CONTROL CIRCUITS IN NEW LOCATION.
26.204	SALVAGE PROXIMITY READER AND DOOR STRIKE FOR REUSE.
26.205	DEMOLISH ALL CONDUIT, CABLING, MOTORS AND SWITCHES ASSOCIATED WITH EXISTING MOTORIZED SCREEN.
26.300	ALL RECEPTACLES IN THE OFFICE ARE TO BE CONTROLLED VIA OCCUPANCY SENSOR PER IECC.
26.301	RECEPTACLE FOR FURNITURE FEED PLUG CONNECTION.
26.302	INTERCEPT AND EXTEND EXISTING FLOOR BOX CIRCUIT TO NEW PANEL EMHA.
26.303	APPROXIMATE LOCATION OF EMHA & LPA ON THE FLOOR ABOVE.
26.304	LOCATE T-EMA ABOVE EMLA IN ROOM A221. T-EMA IS TO BE WALL MOUNTED, AND NOT INTERFERE WITH THE DEDICATED SPACE OF EMLA.
26.305	PROVIDE EQUIPMENT GROUND TERMINATION FOR ESD FLOORING AT A228 DIGITAL FORENSIC LAB. #6 AWG BARE IN ACCORDANCE WITH MFR INSTALLATION INSTRUCTIONS. BOND TO COLUMN.
26.306	RE-INSTALL SALVAGED PROXIMITY READER AND DOOR STRIKE AT ENTRANCE TO ELECTRICAL ROOM. ELECTRICAL CONTRACTOR IS TO PROVIDE ALL CONNECTIONS AND TERMINATIONS.
26.307	PROVIDE NEW GROUND BAR AND BOND TO COLUMN. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
26.400	RELOCATE EXISTING LIGHT TO SAME LOCATION IN NEW CEILING.
26.401	PROVIDE NEW 2'X4' FIXTURE IN NEW IT CLOSET. COORDINATE LOCATION WITH ARCHITECTURAL PLANS.
27.300	PROVIDE CONDUIT AND CABLING (PLENUM RATED CAT6A) FOR DATA RECEPTACLES (RECEPTACLES AND TERMINATIONS BY OWNER), HOMERUN CABLE TO ROOM A228A. OWNER TO PROVIDE CABLING IN FURNITURE SYSTEM RACEWAYS AND CONNECTIONS TO PROVIDED WALL DATA PORT LOCATIONS.



KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

ISSUED - CONTINUED

ISSUED - CONTINUED

JOB NO. 25-130-1603
DRAWN JWK
CHECKED ATR
APPROVED MTK

SHEET TITLE
SECOND FLOOR ELECTRICAL LIGHTING, POWER & DEMOLITION PLANS

SHEET NUMBER

E320