

**University of Colorado Denver  
Anschutz Medical Campus**

**Fitzsimons Building CRIO Renovation**

13001 E. 17th PLACE  
AURORA, CO 80045

006734.00  
CONSTRUCTION DOCUMENTS  
03/22/2022

**CANNONDESIGN**

2800 Walnut Street, Suite 300  
Denver, CO 80205  
P: 303.893.1990

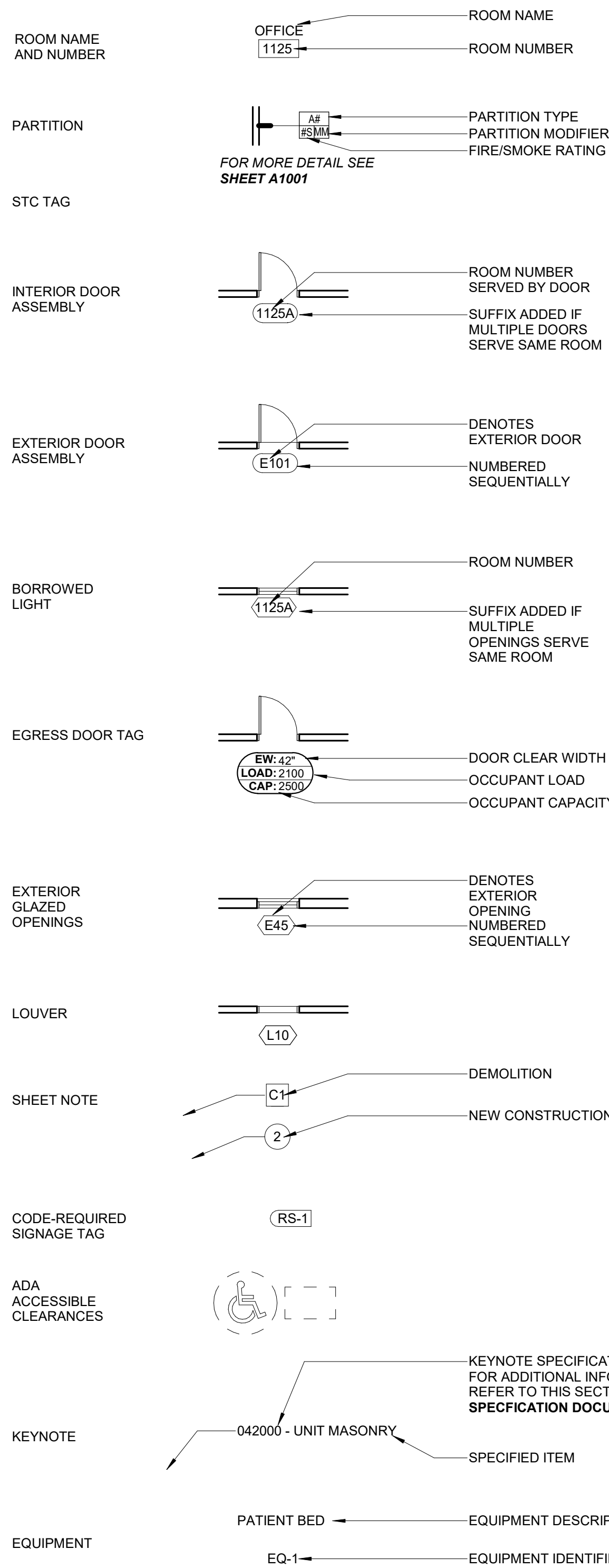
BOSTON NEW YORK BALTIMORE WASHINGTON DC BUFFALO TORONTO COLUMBUS PITTSBURGH DALLAS  
CHICAGO ST. LOUIS IRVINE DENVER HOUSTON LOS ANGELES MUMBAI

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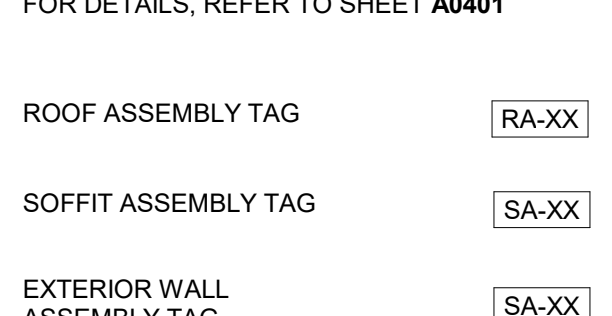
**Consultants:**

**RMH Group, Inc.**  
Mechanical / electrical & Plumbing Engineers  
12600 West Colfax Avenue, Suite A-400  
Lakewood, Colorado 80215  
303.239.0909

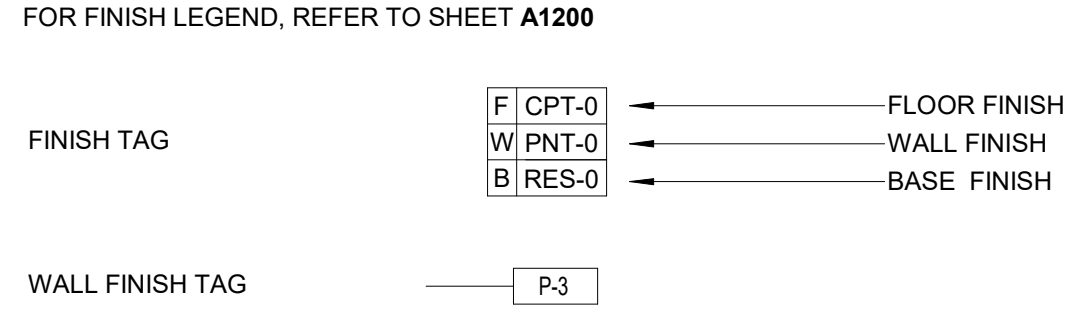
REFERENCE SYMBOLS (ARCHITECTURAL)



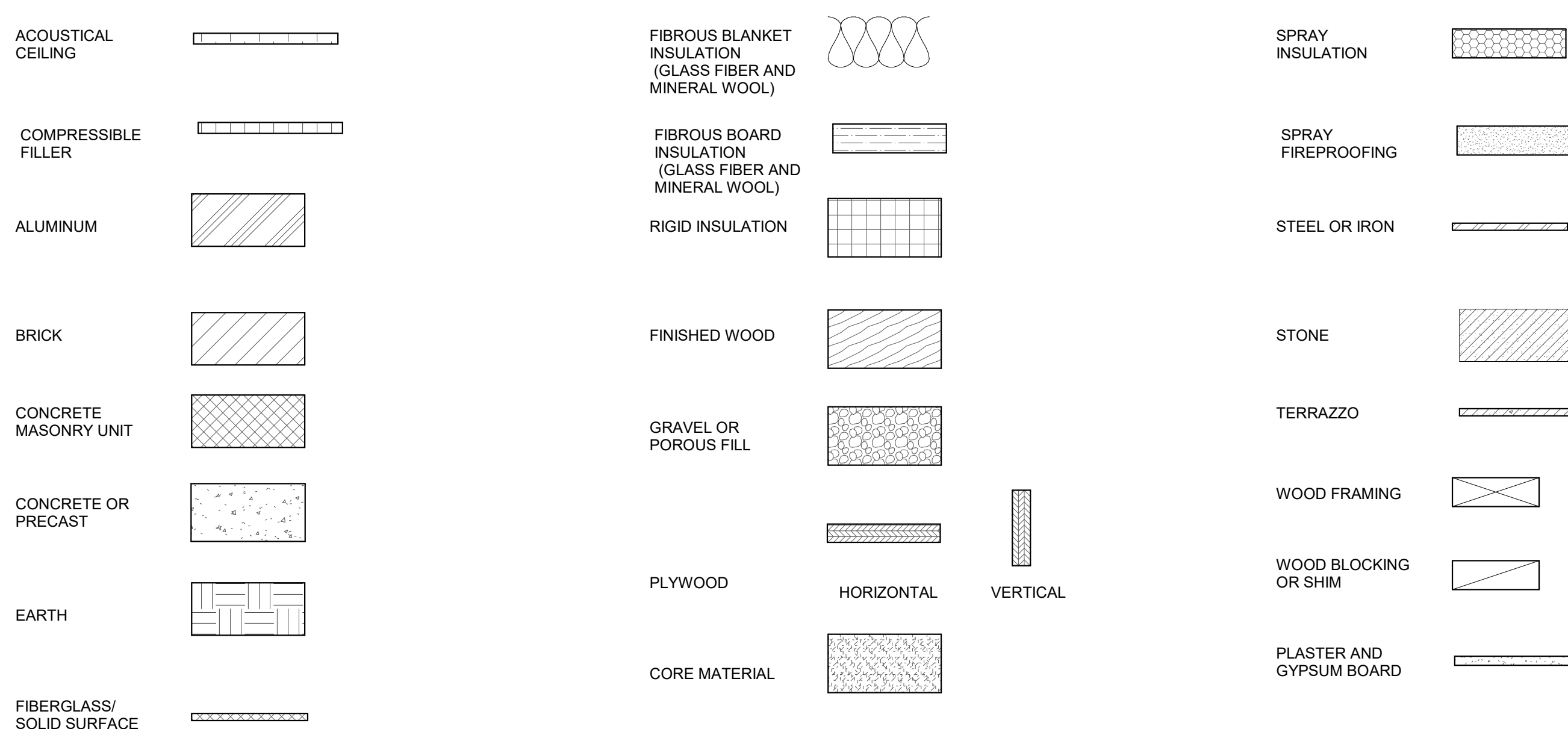
EXTERIOR ASSEMBLIES



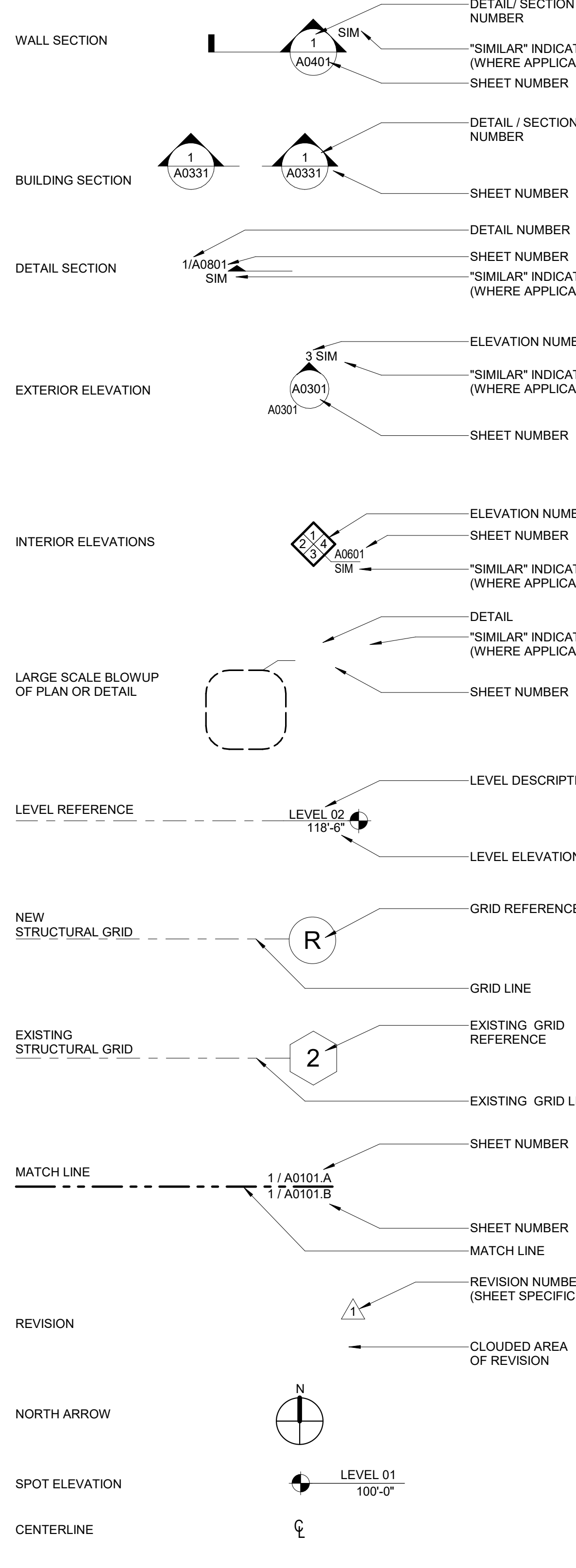
MATERIALS AND FINISHES



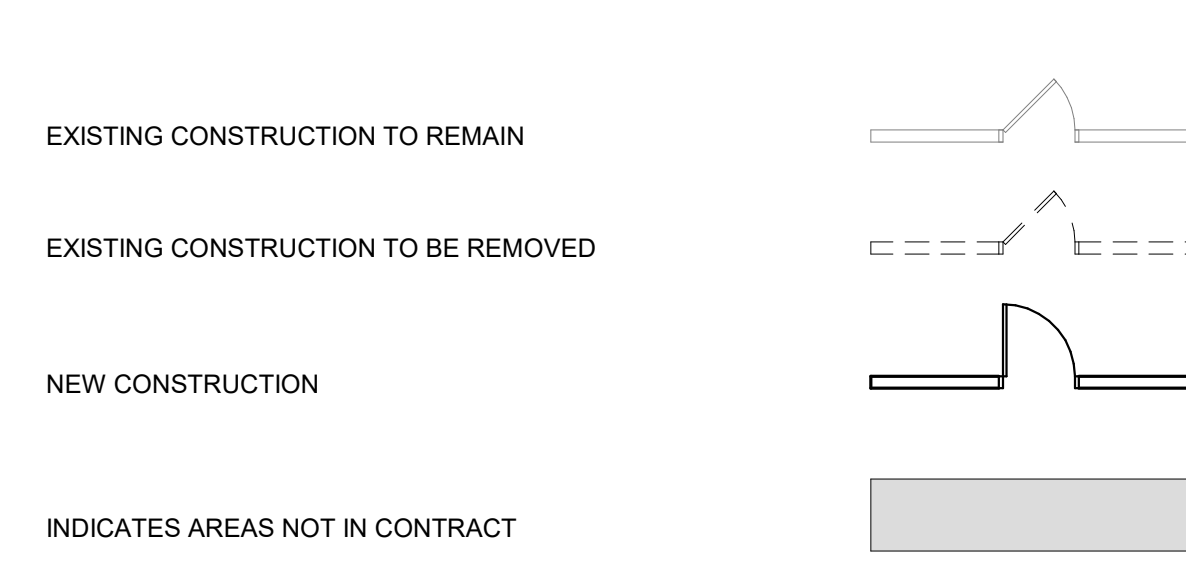
MATERIALS



REFERENCE SYMBOLS (ALL DISCIPLINES)



PLAN SYMBOLS



ABBREVIATIONS

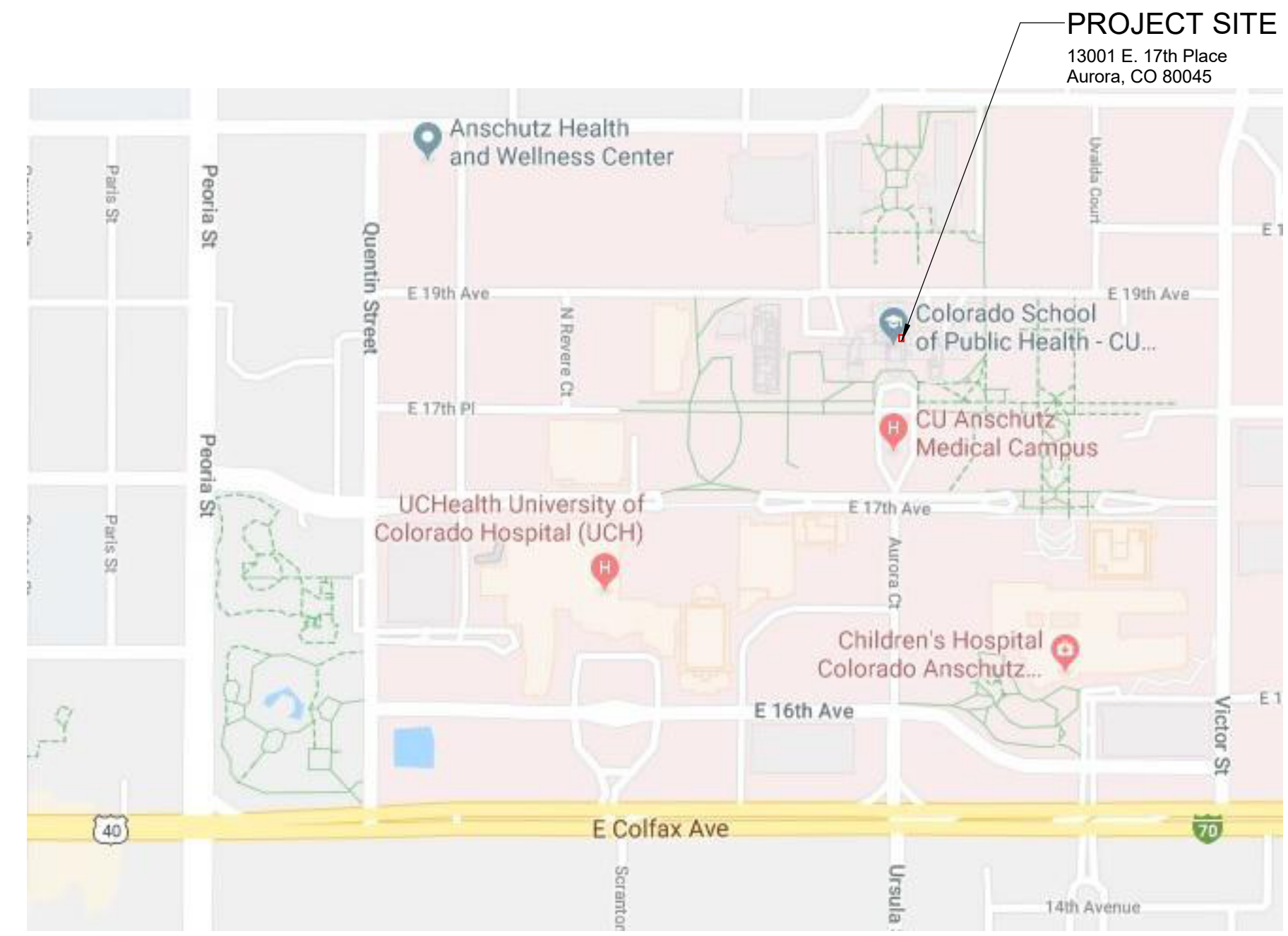
Table of abbreviations for architectural, mechanical, electrical, and general construction terms.

GENERAL NOTES

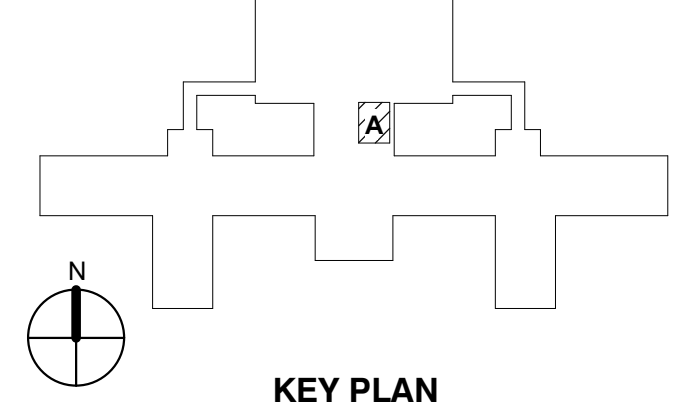
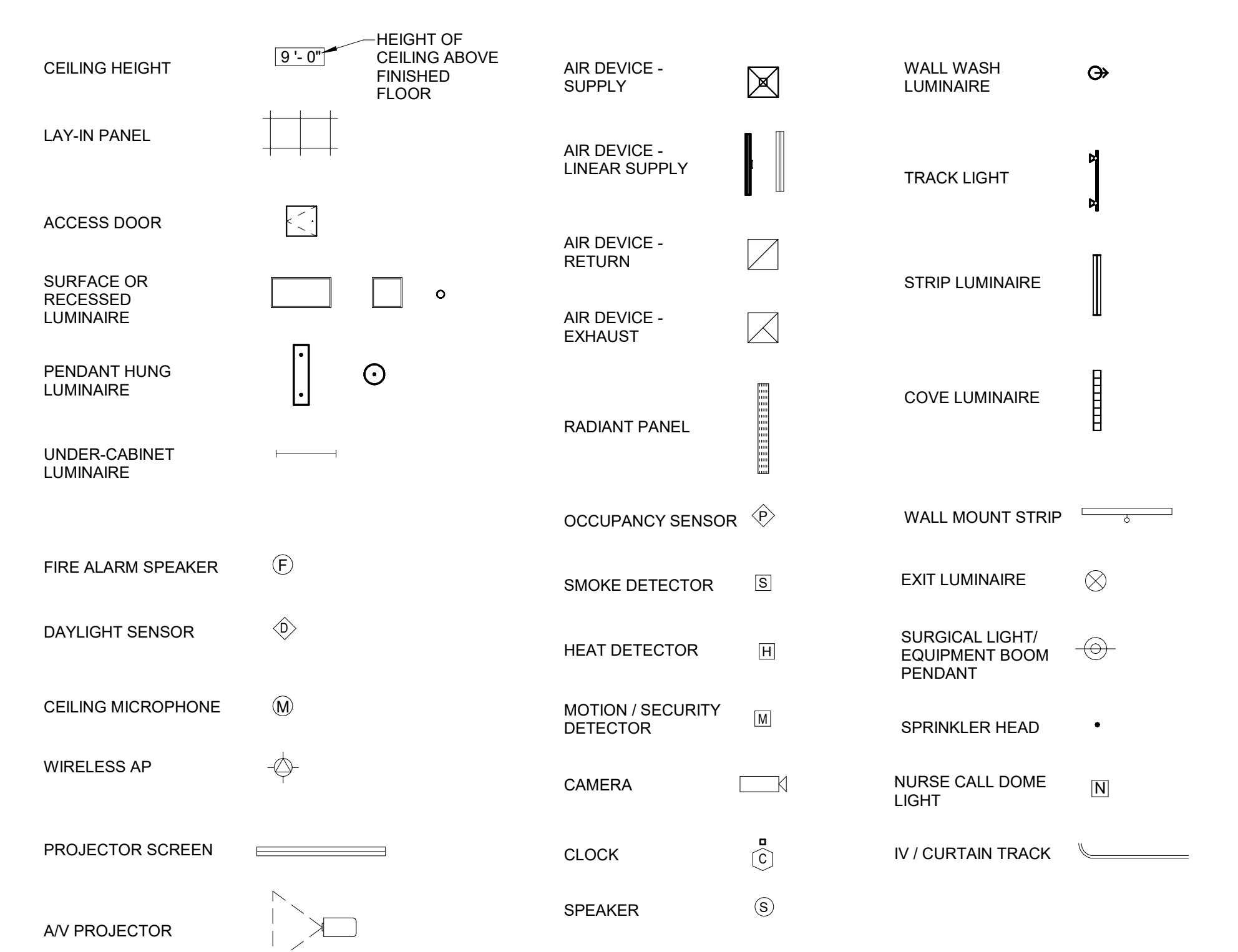
- 1. COMPLY WITH ALL APPLICABLE CODES, RULES AND REGULATIONS. UNIVERSITY IS ITS OWN AUTHORITY...
2. CONTRACTOR SHALL VERIFY ALL CONDITIONS BEFORE COMMENCEMENT OF WORK...
3. ALL PENETRATIONS OF FIRE RESISTIVE FLOORS OR WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DETAILS...
4. ALL EXISTING FLOOR SLAB PENETRATIONS AT FLOOR OF WORK AND DECK ABOVE ARE TO BE SEALED...
5. PROVIDE TEMPORARY DUST ENCLOSURES DURING ALL DEMOLITION AND CONSTRUCTION ACTIVITIES...
6. MODIFICATIONS TO THE EXISTING MEP SYSTEMS MAY IMPACT ADJACENT SPACES...
7. THE FACILITY IS OPERATIONAL. CONTRACTOR SHALL MAKE PROVISIONS FOR OWNER AND PUBLIC USE...
8. CONSTRUCTION ACTIVITIES ARE NOT TO ADVERSELY IMPACT THE ADJACENT OCCUPIED SPACES...
9. CONTRACTOR SHALL BE FAMILIAR WITH THE SITE AND IS RESPONSIBLE FOR INCORPORATING ALL REASONABLY FEASIBLE CONDITIONS INTO THE WORK...
10. CONTRACTOR SHALL KEEP THE CONSTRUCTION SITE CLEAN, FREE AND CLEAR OF DEBRIS...
11. CONTRACTOR SHALL KEEP THE SITE SECURE AND FREE OF UNAUTHORIZED PERSONS...
12. CONTRACTOR SHALL PROVIDE PROTECTION OF ALL FINISHED FLOORING AND WALLS FROM ONGOING CONSTRUCTION ACTIVITIES...
13. CONTRACTOR IS TO COMPLETE AND SUBMIT ALL UTILITY OUTAGE REQUESTS THAT AFFECT THIS AREA OF BUILDING TO OWNER'S PROJECT MANAGER WITHIN THE REQUIRED TIMELINES...

SHEET INDEX

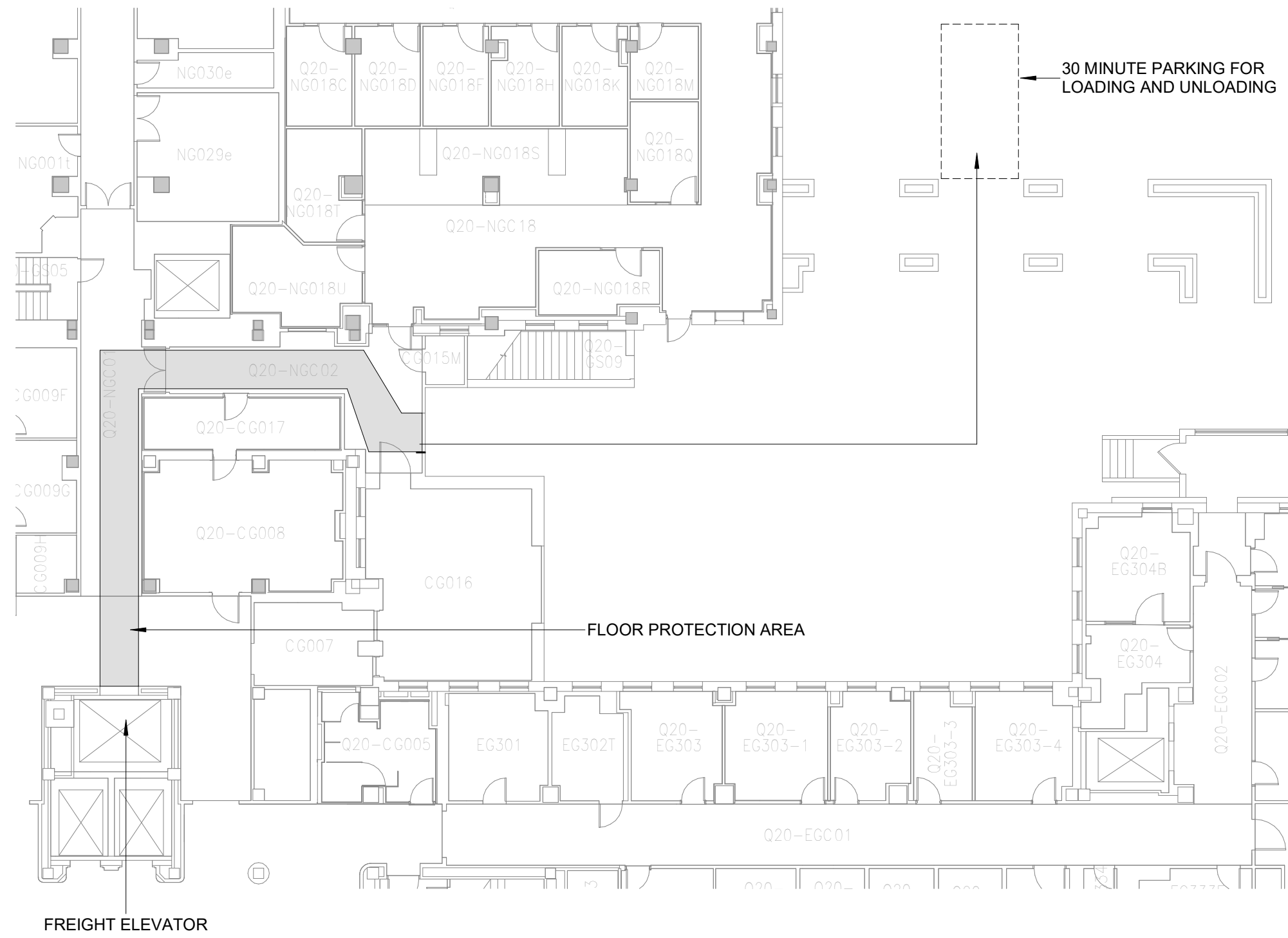
Sheet index table with columns for sheet number and sheet name, listing G0000, G0001, A0101, E0000, E0001, E0101, and E0201.



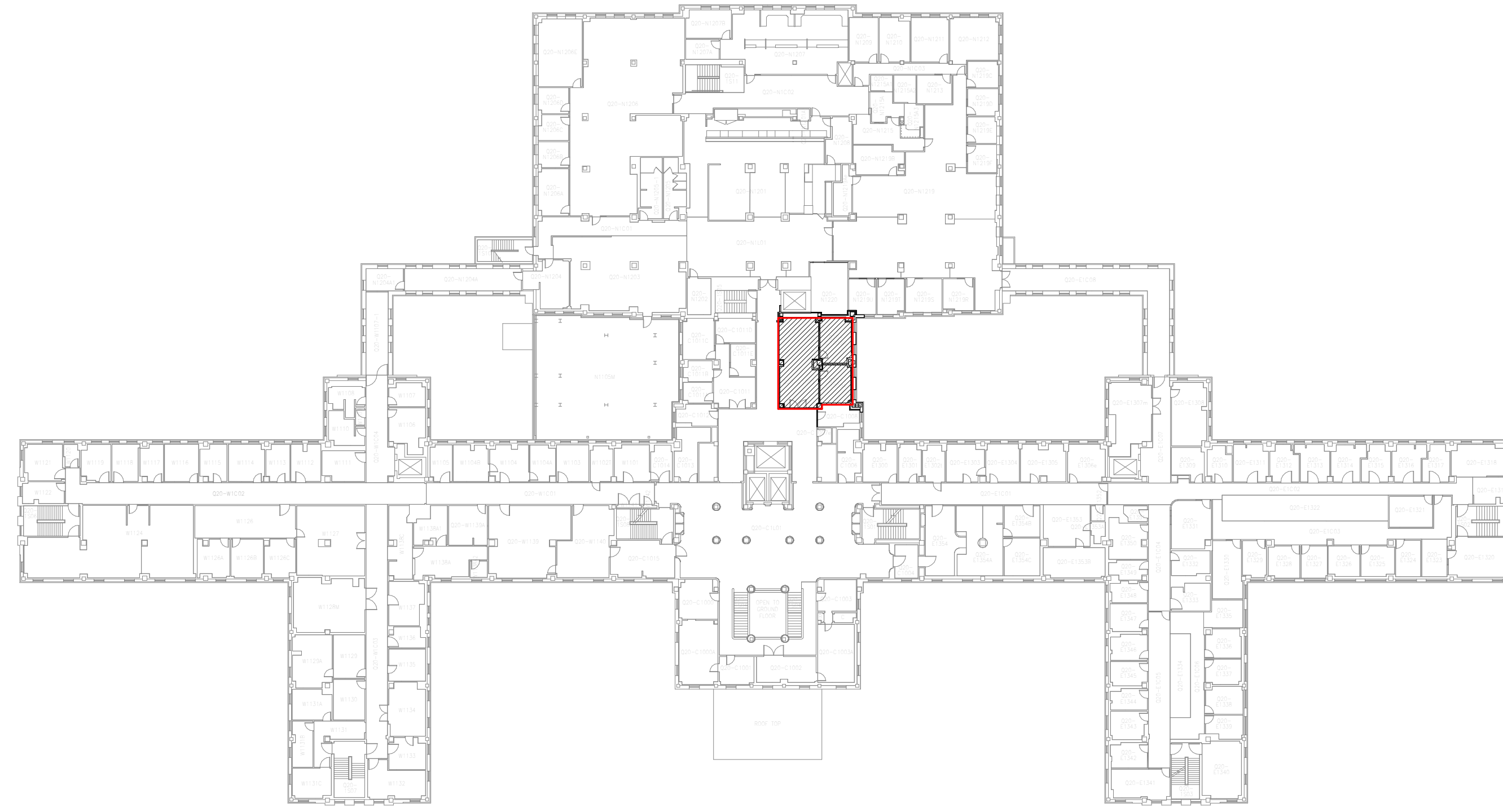
REFLECTED CEILING PLAN SYMBOLS



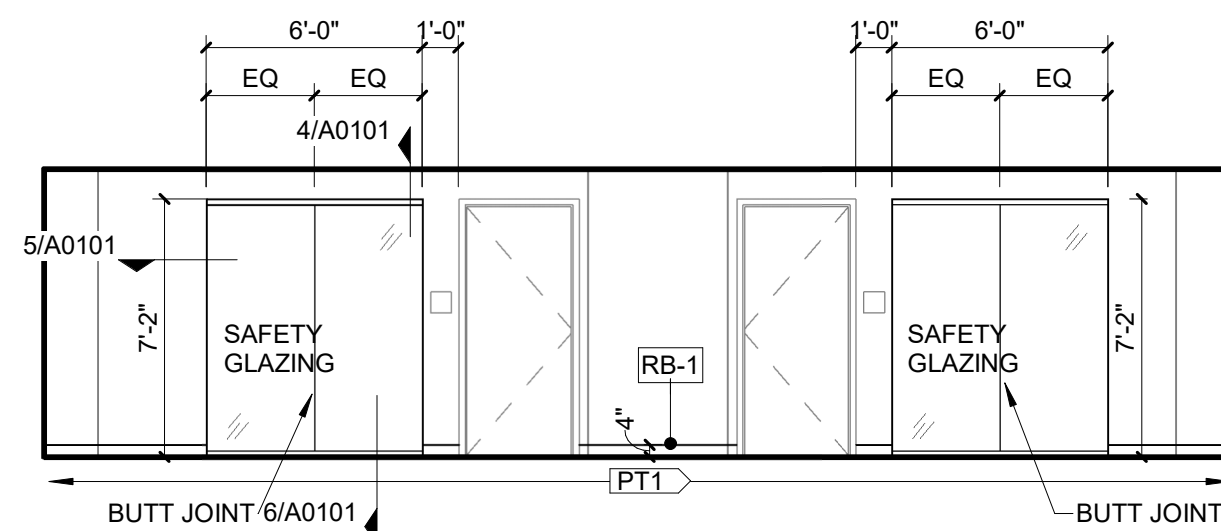
C:\Revit Local Files\00725-00\_CUAMC\_C1\_AR\_ThreshCH.rvt



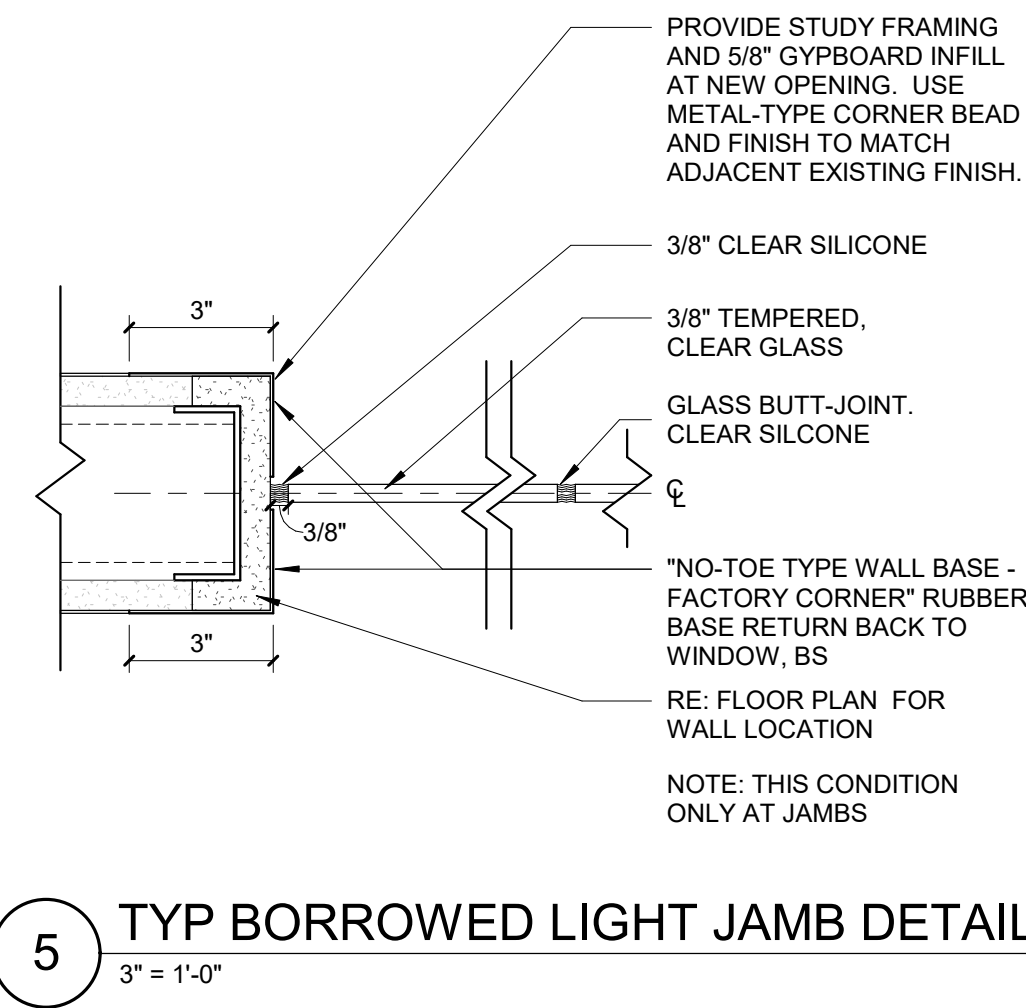
7 GROUND LEVEL  
1/16" = 1'-0"



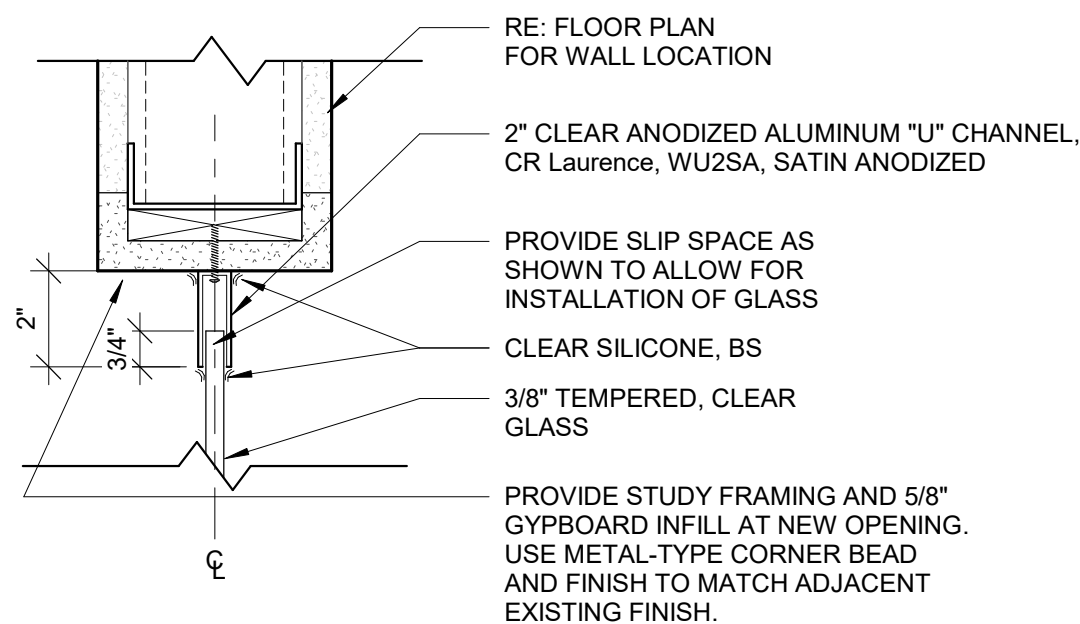
1 BUILDING 500 LEVEL 1 - KEY PLAN  
1" = 40'-0"



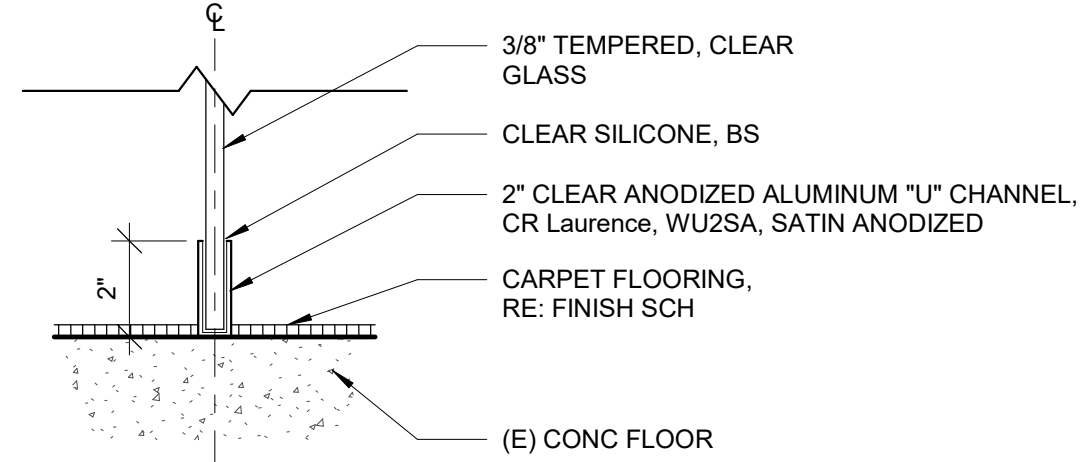
3 C1009 - EAST  
3/16" = 1'-0"



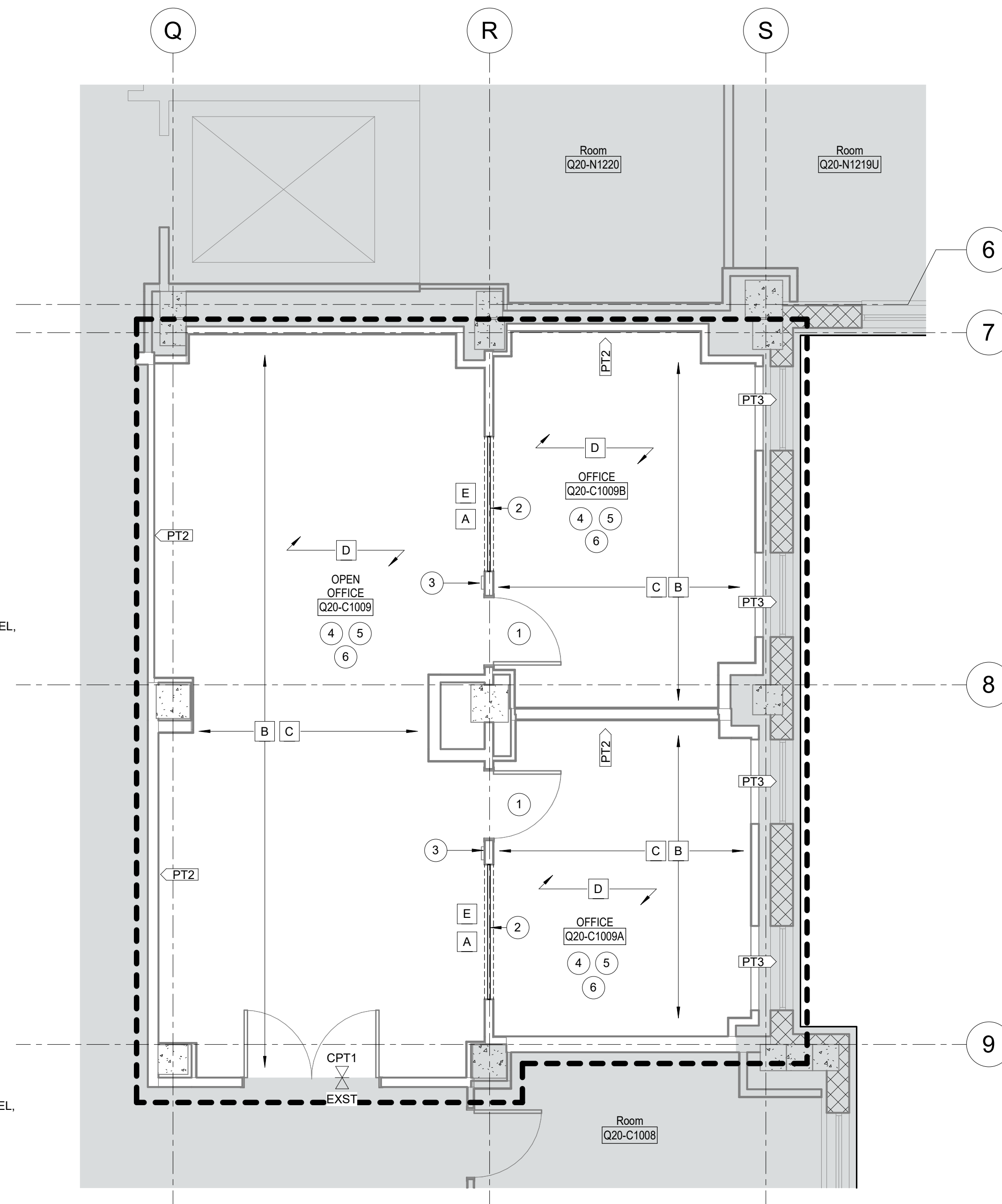
5 TYP BORROWED LIGHT JAMB DETAIL  
3" = 1'-0"



4 TYP BORROWED LIGHT HEAD DETAIL  
3" = 1'-0"



6 TYP BORROWED LIGHT SILL DETAIL  
3" = 1'-0"



2 LEVEL 01 FLOOR PLAN  
1/4" = 1'-0"

GENERAL NOTES - DEMOLITION

- DEMOLITION ACTIVITIES ARE NOT TO ADVERSELY IMPACT THE ADJACENT OCCUPIED SPACES, INCLUDING BUT NOT LIMITED TO FLOORS ABOVE OR BELOW. CONSTRUCTION RELATED ACTIVITIES THAT MIGHT AFFECT THIS AREA ARE TO BE COORDINATED WITH THE OWNER AND APPROVED BEFORE ANY WORK IS STARTED.
- ALL EXISTING ITEMS TO REMAIN - WALLS, DOORS, ETC. - SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF DAMAGE IN A MANNER SUITABLE TO OWNER. CONTRACTOR TO THOROUGHLY PHOTOGRAPH FOR THE OWNER, THE EXISTING CONDITIONS BEFORE CONSTRUCTION COMMENCES.
- ALL EXISTING FIREPROOFING/FIRE PROTECTION SYSTEMS SERVING OCCUPIED AREAS ARE TO BE PROTECTED DURING DEMOLITION, UON.
- DRAWINGS ATTEMPT TO SHOW ALL FIXTURES, FURNISHINGS, AND EQUIPMENT TO BE REMOVED. HOWEVER, EXACT CONDITIONS MUST BE FIELD VERIFIED BY CONTRACTOR.
- OWNER SHALL REMOVE ALL DESIRED FURNISHINGS, EQUIPMENT AND ACCESSORIES IN THE CONSTRUCTION AREA PRIOR TO DEMOLITION. UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DOCUMENTS, ALL REMAINING FURNISHINGS, EQUIPMENT ACCESSORY ITEMS AND DEBRIS LEFT IN THE CONSTRUCTION AREA AT THE START OF DEMOLITION ACTIVITIES SHALL BE REMOVED AND PROPERLY DISPOSED OR SALVAGE FOR REUSE BY THE CONTRACTOR (SEE DEMOLITION SCOPE BELOW). THE GENERAL CONTRACTOR TO COORDINATE WITH OWNER THE START OF DEMOLITION ACTIVITIES SO THAT OWNER MAY COORDINATE INTERNALLY TO SALVAGE ALL DESIRED ITEMS.
- CONTRACTOR SHALL PROTECT EXISTING TERRAZZO FLOORING, WALL SURFACES AND FREIGHT ELEVATOR DOORS, TRACK AND CAB SURFACES IN MAIN PUBLIC ELEVATOR LOBBY DURING ENTIRETY OF DEMOLITION AND MATERIAL REMOVAL ACTIVITIES (BOTH ON 1ST FLOOR AND GROUND FLOOR). FLOORING PROTECTION ALSO NEEDS TO BE INSTALLED FROM FREIGHT ELEVATOR TO CRIO PROJECT AREA, AND FROM FREIGHT ELEVATOR TO EXTERIOR DOOR ACCESS ON GROUND FLOOR WHERE DEMOLITION/WASTE MATERIALS ARE REMOVED.
- COORDINATE W/ OWNER TO SALVAGE EXISTING, SECURITY & OIT EQUIPMENT BEFORE STARTING DEMOLITION.
- ALL THE DEMO WASTE AND NEW FLOORING MATERIALS WILL USE THE TRAFFIC PATH OF GROUND FLOOR PLAN IN AND OUT OF THE BUILDING. THE GROUND FLOOR PLAN SHOWS THE AREA IN DASH LINE INDICATED THE SHORT-TERM (~30 MINUTE) PARKING FOR LOADING AND UNLOADING.
- REMOVAL AND INSTALLATION OF CEILING TILES MUST BE COORDINATED TO MAINTAIN A COMPLIANT CEILING ASSEMBLY INCLUDING FIRE PROTECTION SYSTEMS DURING CONSTRUCTION.

DEMOLITION KEYED NOTES:

#	DESCRIPTION	XX
A	REMOVE PORTIONS OF WALLS REQUIRED TO INSTALL FULL-HEIGHT GLASS SIDE LITE AND ITS NEW HEADER. PATCH ALL DISTURBED CONSTRUCTION TO MATCH ADJACENT EXISTING AND PAINT ALL WALLS AS INDICATED IN THE ROOM FINISH SCHEDULE.	
B	COMPLETELY REMOVE CARPET FLOORING INCLUDING SETTING BED, MASTIC, ETC. PATCH/REPAIR FLOOR/WALL TO MATCH EXISTING SURFACES OR PREPARE TO RECEIVE NEW FINISH AS INDICATED IN THE ROOM FINISH SCHEDULE.	
C	COMPLETELY REMOVE EXISTING RUBBER BASE TYPICAL WHERE CARPET REPLACEMENT OCCUR INCLUDING SETTING BED, EXPANSION JOINTS, ETC. PATCH/REPAIR WALL TO MATCH EXISTING SURFACES AS INDICATED IN THE ROOM FINISH SCHEDULE.	
D	EXISTING CEILING ASSEMBLY INCLUDING ALL HANGERS AND SUPPORTS, CEILING GRID, GWS SOFFIT, GRILLES, SPEAKERS, SMOKE DETECTORS, DIFFUSER, LIGHT FIXTURE AND SPRINKLER HEAD, ETC TO REMAIN IN PLACE.	
E	REMOVE PORTION OF EXISTING DRYWALL FOR ACCESS TO NEW ELECTRICAL OUTLET OR SWITCH. REFER TO ELECTRICAL DRAWINGS FOR EXTENT AND ADDITIONAL INFORMATION.	

GENERAL NOTES - NEW CONSTRUCTION

- CONDITIONS AND LOCATION OF EXISTING WALLS TO REMAIN MAY VARY DUE TO FIELD CONDITIONS. THE DRAWINGS REPRESENT THE DESIGN INTENT. ANY VARIATION TO THE DRAWINGS, DUE TO EXISTING CONDITIONS, MUST BE RESOLVED WITH THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION OF THE QUESTIONED AREA.
- WHERE NEW WALL CONSTRUCTION ABUTS EXISTING, WALLS SHALL ALIGN ON BOTH SIDES.
- PATCH ALL SURFACES TO MATCH EXISTING ADJACENT SURFACE WHERE DISTURBED BY NEW CONSTRUCTION, UNLESS OTHERWISE NOTED.
- FLATTEN FLOOR THROUGHOUT EXISTING CONCRETE SLAB TO TOLERANCES REQUIRED FOR FINISH FLOOR INSTALLATION.
- EXTENTS OF WORK BOUNDARY SHOWN THUS: - - - - -
- TYPICAL PAINT @ PERIMETER WALL ARE "PT1" UON. ACCENT PAINT COLOR FOR DRYWALL ARE "PT2" INDICATED ON PLAN.
- PAINT - PROVIDE ACRYLIC LOW VOC PAINT BY SHERWIN-WILLIAMS WITH 20GL FOR UNPAINTED PAINT. PROVIDE ONE PRIMER COAT AND TWO FINISH COATS, MINIMUM, AND COMPLETE COVERAGE.

CONSTRUCTION KEYED NOTES

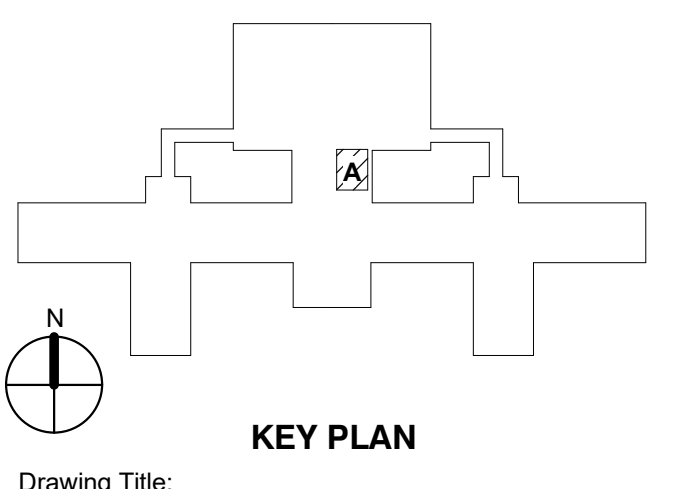
#	DESCRIPTION	XX
1	EXISTING DOOR & HARDWARE TO REMAIN	
2	REMOVE PORTION OF EXISTING WALL, PROVIDE NEW HEADER FOR FULL-HEIGHT GLASS SIDE LITE	
3	EXISTING ROOM SIGNAGE TO REMAIN.	
4	INSTALL NEW CARPET AND PROVIDE 4" RUBBER BASE	
5	PATCH AND PAINT ALL EXISTING WALLS PER COLORS INDICATED	
6	EXISTING GRID, MECHANICAL DIFFUSER, SPRINKLER, AND LIGHT FIXTURES TO REMAIN, REPLACE ACOUSTICAL TILE (ACT-1)	

DEMOLITION LEGEND

- EXISTING TO BE DEMOLISHED
- EXISTING WALL TO REMAIN

FINISH SCHEDULE							
SPEC	Symbol	Type	Material	MANUFACTURER	STYLE	PRODUCT NUMBER	COLOR
ACOUSTICAL CEILING TILE							
095113	ACT-1	ACOUSTICAL CEILING TILE	ARMSTRONG	2'-0"X4'-0"X3/4"	Cirrus Second Look III #514		WHITE
BASE							
096513	RB-1	BASE	ROPPE	4" TALL	BASIC TOE		CHARCOAL 123
CARPET							
096816	CPT-1	CARPET	Mannington Commercial	Crytogram 18"X36"	83377		Phoenix
PAINT							
099123	PNT-1	PAINT	SHERWIN WILLIAMS		SW 7028		Incredible White
099123	PNT-2	PAINT	SHERWIN WILLIAMS		SW 6678		Sunflower
099123	PNT-3	PAINT	SHERWIN WILLIAMS		SW 7028		Incredible White

- NOTES:
- ALL FINISH MATERIALS ARE PROVIDED & INSTALLED BY GC, RE: SPECIFICATIONS.
  - PAINTED ACCENT WALL "PT2" & PAINTED (E) WINDOW "PT3" AS INDICATED ON FLOOR PLAN, ALL OTHER WALLS ARE "PT1" TYPICAL.





PART 1 - GENERAL

- 1.1 IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE AND WORKABLE ELECTRICAL INSTALLATION IS PROVIDED FOR ALL THE ELECTRICAL PRODUCTS DESCRIBED... 1.2 PROVIDE ALL ELECTRICAL EQUIPMENT AND MATERIAL IN ACCORDANCE WITH REQUIREMENTS OF LOCAL BUILDING CODES... 1.3 COMPLY WITH THE REQUIREMENTS OF THE GENERAL CONDITIONS, SUPPLEMENTAL GENERAL CONDITIONS OF THE PROJECT SPECIFICATIONS... 1.4 DEFINITIONS... 1.5 COORDINATE AND SCHEDULE THE PROGRESS OF ELECTRICAL WORK TO CONFORM TO THE OWNER'S SCHEDULE... 1.6 PROVIDE A ONE YEAR WARRANTY ON ALL MATERIAL, EQUIPMENT, APPURTENANCES, AND INSTALLATION... 1.7 PROVIDE TEMPORARY LIGHTING AND POWER AS REQUIRED... 1.8 PERFORM THE WORK IN COOPERATION WITH THE AREA OCCUPANTS TO MINIMIZE INTERFERENCE WITH THEIR ACTIVITIES... 1.9 VISIT THE PROJECT SITE BEFORE SUBMITTING A BID... 1.10 THESE DRAWINGS ARE DIAGNOSTIC IN CHARACTER AND DO NOT SHOW MATERIALS FOR A COMPLETE INSTALLATION... 1.12 SUBMITTALS... 1.13 RECORD DOCUMENTS...

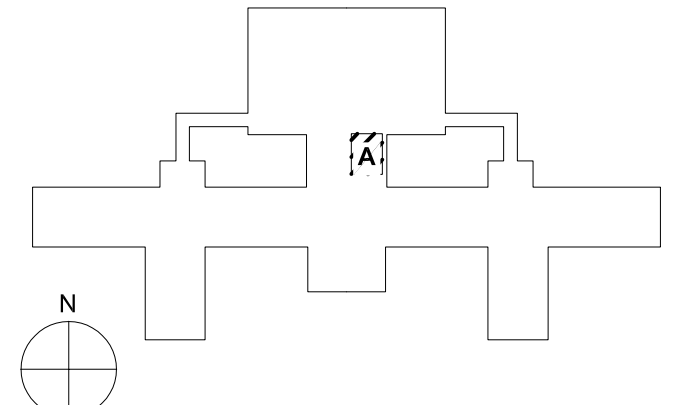
PART 2 - MATERIALS

- 2.1 MATERIALS SHALL BE NEW AND IN PERFECT CONDITION... 2.2 CONNECTORS AND FITTINGS SHALL BE MANUFACTURED BY APPLETON, STEEL CITY, T & B, TOMIC, RACO, OR O.2./GEEDNY... 2.3 CONDUITS SHALL BE RIGID STEEL, INTERMEDIATE METAL CONDUIT, ELECTRICAL METALLIC TUBING, FLEXIBLE METALLIC CONDUIT, LIQUID TIGHT FLEXIBLE CONDUIT... 2.4 SURFACE RACEWAYS SHALL BE WIREMOLD OR APPROVED EQUAL... 2.5 LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES... 2.6 GROUNDING AND BONDING... 2.7 RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS... 2.8 IDENTIFICATION... 2.9 WIRING DEVICES...

- 2.9 WIRING DEVICES... C. DEVICE PLATES SHALL BE, SCREW-ON, BRUSHED STAINLESS STEEL... D. WALL PLATES IN UNFINISHED SPACES SHALL BE BRUSHED STAINLESS STEEL... E. DEVICES SHALL BE AS SPECIFIED OR APPROVED EQUAL BY ARROW HART, BRYANT, GENERAL ELECTRIC, HUBBELL, LEVITON, PASS & SENOUR, OR SQUARE-D... 1. A-C QUIET OPERATING TYPE SWITCHES... 2. MOMENTARY-CONTACT LIGHT SWITCHES... 3. SPECIFICATION GRADE RECEPTACLES... 4. SPECIAL PURPOSE RECEPTACLES... 5. HOSPITAL GRADE RECEPTACLES... 6. GFCI RECEPTACLES...

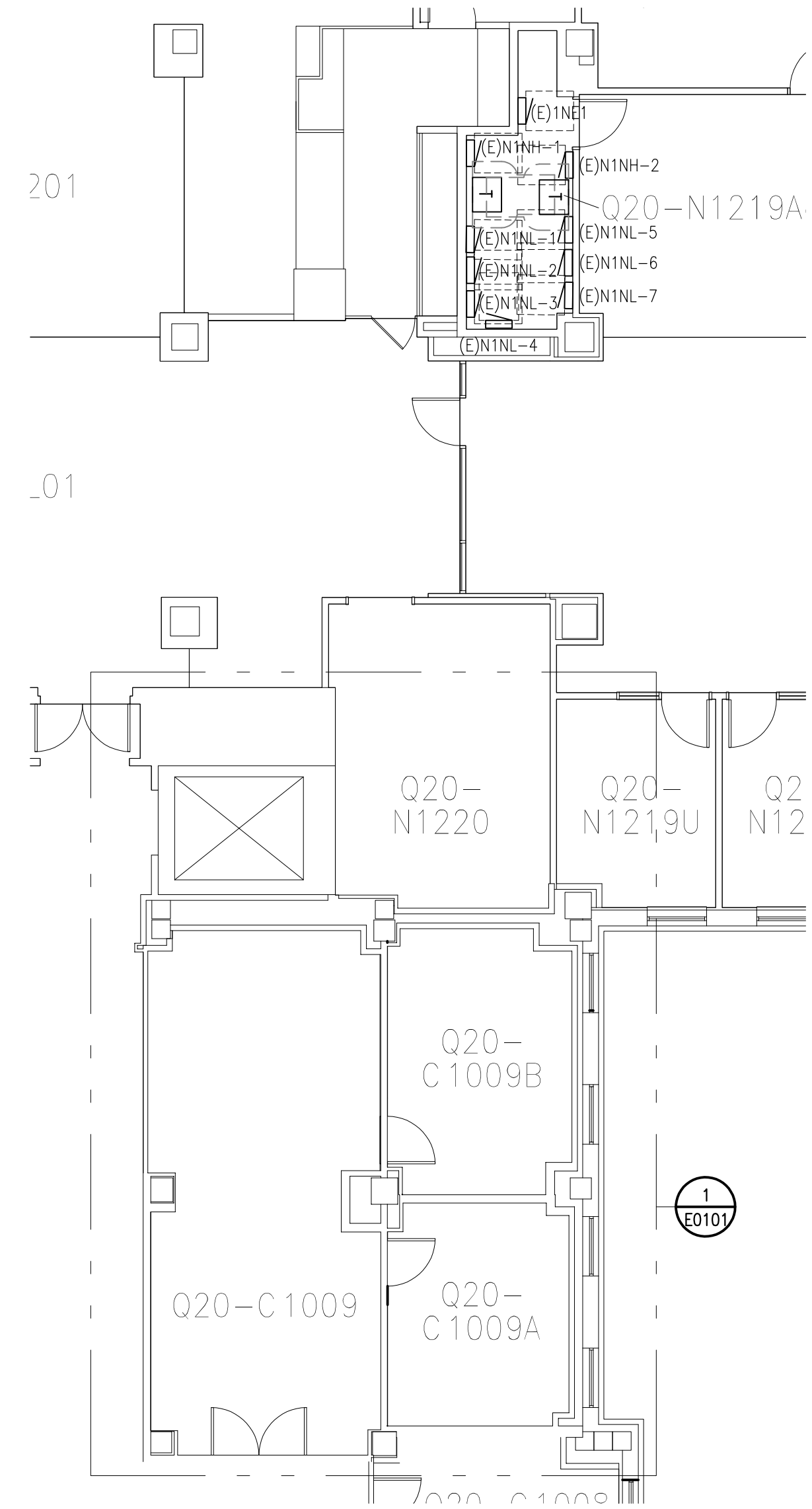
PART 3 - INSTALLATION

- 3.1 GENERAL... A. PROVIDE ALL CORE DRILLING, CHANNELING, CUTTING, PATCHING, AND SLEEVES REQUIRED FOR INSTALLATION... B. PROVIDE HANGERS AND SUPPORTS FOR EQUIPMENT, RACEWAYS, AND CABLES... C. USE STEEL MATERIAL FOR DRY LOCATIONS... D. PAINT ALL EXPOSED CONDUIT, SUPPORTS, BOXES, ETC., TO MATCH SURROUNDING CEILING AND WALLS... E. CLEAN THE AREA AFTER WORK IS COMPLETED... F. DO NOT USE CEILING GRID SUPPORT WIRES TO SUPPORT CONDUIT... G. PRESERVE AND PROTECT USABLE CONDITION OF ALL EQUIPMENT... H. PROVIDE ALL CUTTING AND PATCHING NECESSARY... 3.2 CONDUIT LOCATIONS... A. PROVIDE ELECTRICAL METALLIC TUBING (EMT) FOR ALL DRY, ABOVE GRADE OR ABOVE FLOOR APPLICATIONS... B. PROVIDE FLEXIBLE METAL CONDUIT FOR CONNECTIONS TO LAY-IN TYPE LUMINAIRES... 3.3 RACEWAYS... A. ROUTE ALL CONDUIT PARALLEL OR PERPENDICULAR WITH THE BUILDING WALLS... B. CONCEAL ALL CONDUITS IN FINISHED AREAS... C. UNLESS INDICATED OTHERWISE, ENCLOSE ALL CONDUCTORS IN CONDUIT SIZED IN ACCORDANCE WITH THE NEC... D. PROVIDE SUPPORTS AND HANGARS FOR A GOOD AND SUBSTANTIAL INSTALLATION... E. MAKE ALL BENDS USING AN APPROVED BENDING TOOL... F. SEAL ALL FIREWALL AND FLOOR PENETRATIONS WITH APPROPRIATE SEALANT... G. USE STEEL COMPRESSION FITTINGS THROUGHOUT... H. IN EACH CONDUIT WITHOUT CONDUCTORS, PROVIDE A NYLON FITTING CORD... I. PAINT ALL EXPOSED CONDUIT, SUPPORTS, BOXES, ETC. TO MATCH SURROUNDING CEILING AND WALLS... J. PROVIDE EXPANSION TYPE FITTINGS FOR ALL CONDUITS WHICH CROSS EXPANSION JOINTS... K. PROVIDE BUSHING ON ALL CONDUITS STUBBED ABOVE THE CEILING... L. PROVIDE ALL REQUIRED PULL BOXES AND JUNCTION BOXES... M. AVOID PROXIMITY OF CONDUIT TO SOURCES OF HEAT... 3.4 CONDUCTORS... A. ROUTE ALL CONDUCTORS THROUGH RACEWAY REGARDLESS OF VOLTAGE APPLICATION... B. UNLESS OTHERWISE INDICATED, ALL WIRING FOR BRANCH CIRCUITS SHALL BE #12 AWG PROTECTED BY 20A CIRCUIT BREAKERS... C. DO NOT SPLICE FEEDERS OR DEDICATED BRANCH CIRCUITS UNLESS OTHERWISE INDICATED... D. MAKE CONNECTIONS, SPLICES, TAPS AND JOINTS WITH SOLDERLESS DEVICES... E. INSTALL COMPRESSION CONNECTORS WITH HYDRAULIC DIE... F. INSTALL WIRING FOR CONTROL SYSTEMS IN CONJUNCTION WITH MECHANICAL AND MISCELLANEOUS EQUIPMENT... G. MAKE ALL GROUND, NEUTRAL, AND LINE CONNECTIONS TO RECEPTACLE AND WIRING DEVICE TERMINALS... 3.5 GROUNDING... A. PROVIDE ALL BONDING JUMPERS AND WIRE, GROUNDING BUSHINGS, CLAMPS, FOR COMPLETE GROUNDING... B. BOND CONDUIT SYSTEMS, EQUIPMENT, METALLIC CABLE TRAYS, INTERIOR METAL PIPING SYSTEMS... C. GROUND CONNECTIONS SHALL HAVE CLEAN CONTACT SURFACES... D. INSTALL ALL GROUND CONDUCTORS IN CONDUIT... E. PROVIDE A GROUND BUS IN ALL DISTRIBUTION EQUIPMENT... F. PROVIDE EXOTHERMIC WELDS, IF REQUIRED... G. ROUTE GROUNDING CONDUCTORS TO PERMIT, AS FAR AS PRACTICABLE, THE SHORTEST AND MOST DIRECT PATH... H. PROVIDE ALL GROUND CONNECTIONS TO EQUIPMENT OR STRUCTURE WITH SOLDERLESS CONNECTORS... I. IN ADDITION TO THE EQUIPMENT GROUND CONDUCTOR, GROUND ALL MOTOR FEEDERS... J. PROVIDE SUITABLE BARRIERS TO SEPARATE SWITCH TERMINALS EXCEEDING 300V... K. PROVIDE PULL BOXES IN RACEWAY RUNS IN ACCESSIBLE LOCATIONS... 3.6 BOXES... A. LOCATE OUTLET BOXES SO THAT TRANSMISSION OF SOUND THROUGH COMMON WALLS WILL NOT OCCUR... B. EXCEPT WHERE INDICATED OTHERWISE, MOUNT DEVICES IN ACCORDANCE WITH THE FOLLOWING... C. PROVIDE A GANG TYPE BOX WITH A GANG TYPE COVER WHERE TWO OR MORE SIMILAR TYPE DEVICES OCCUR ADJACENT TO EACH OTHER... D. MOUNT TELEPHONE OUTLETS AT THE SAME HEIGHT AS ADJACENT RECEPTACLE OUTLETS... E. DO NOT USE "BACK-TO-BACK" OUTLETS IN THE SAME WALL OR "THRU-WALL" TYPE BOXES... F. PROVIDE SUITABLE BARRIERS TO SEPARATE SWITCH TERMINALS EXCEEDING 300V... G. PROVIDE PULL BOXES IN RACEWAY RUNS IN ACCESSIBLE LOCATIONS, AS REQUIRED BY NEC AND JOB CONDITIONS... H. RIGIDLY INSTALL PULL BOXES TO PROPERLY COMPLETE THE SYSTEMS, AND IN THE LOCATIONS AS SHOWN ON THE DRAWINGS...



KEY PLAN Drawing Title:

ELECTRICAL SPECIFICATIONS



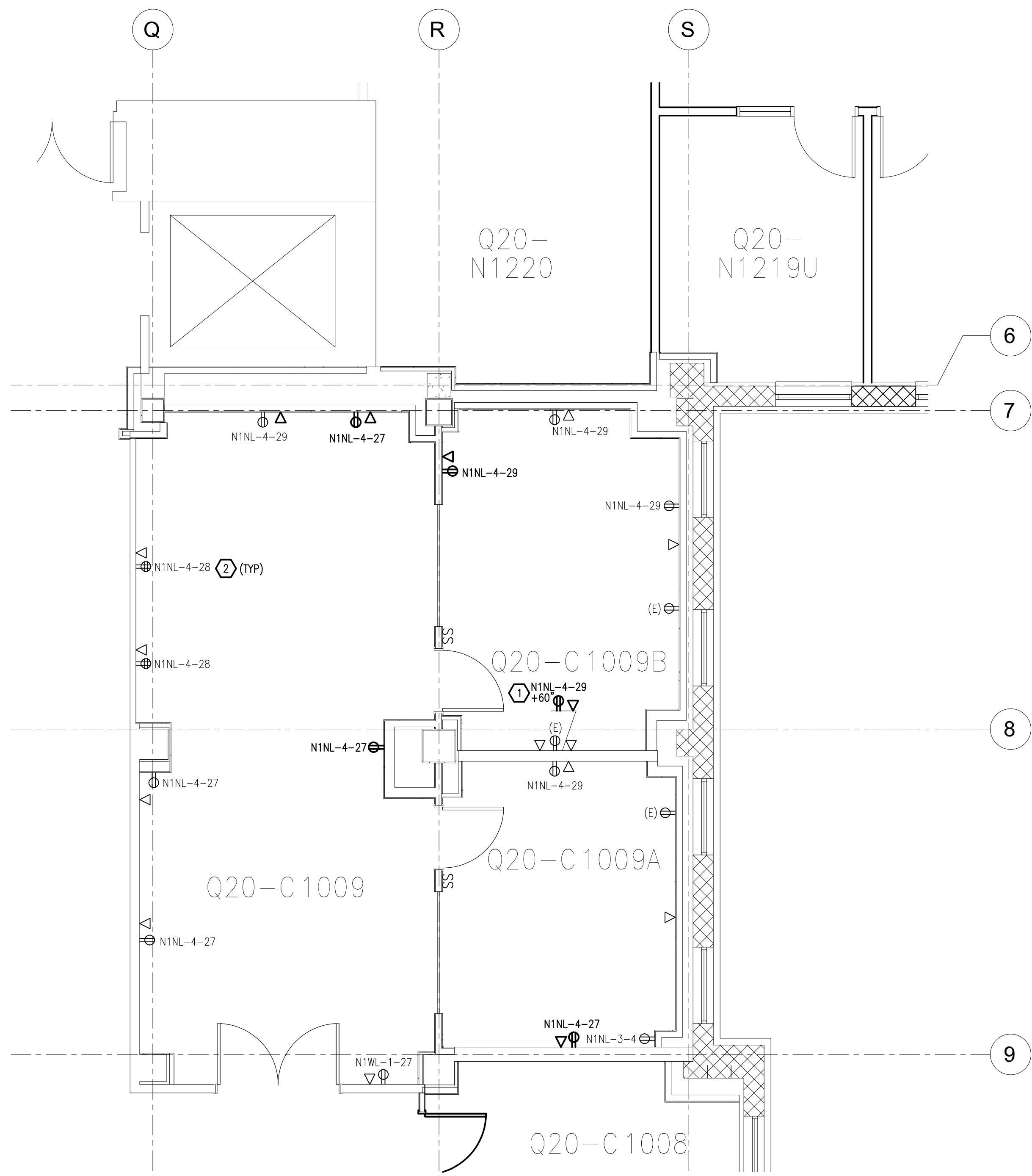
**1 ENLARGED ELECTRICAL FLOOR PLAN**  
SCALE: 1/8"=1'-0"

**SHEET NOTES**

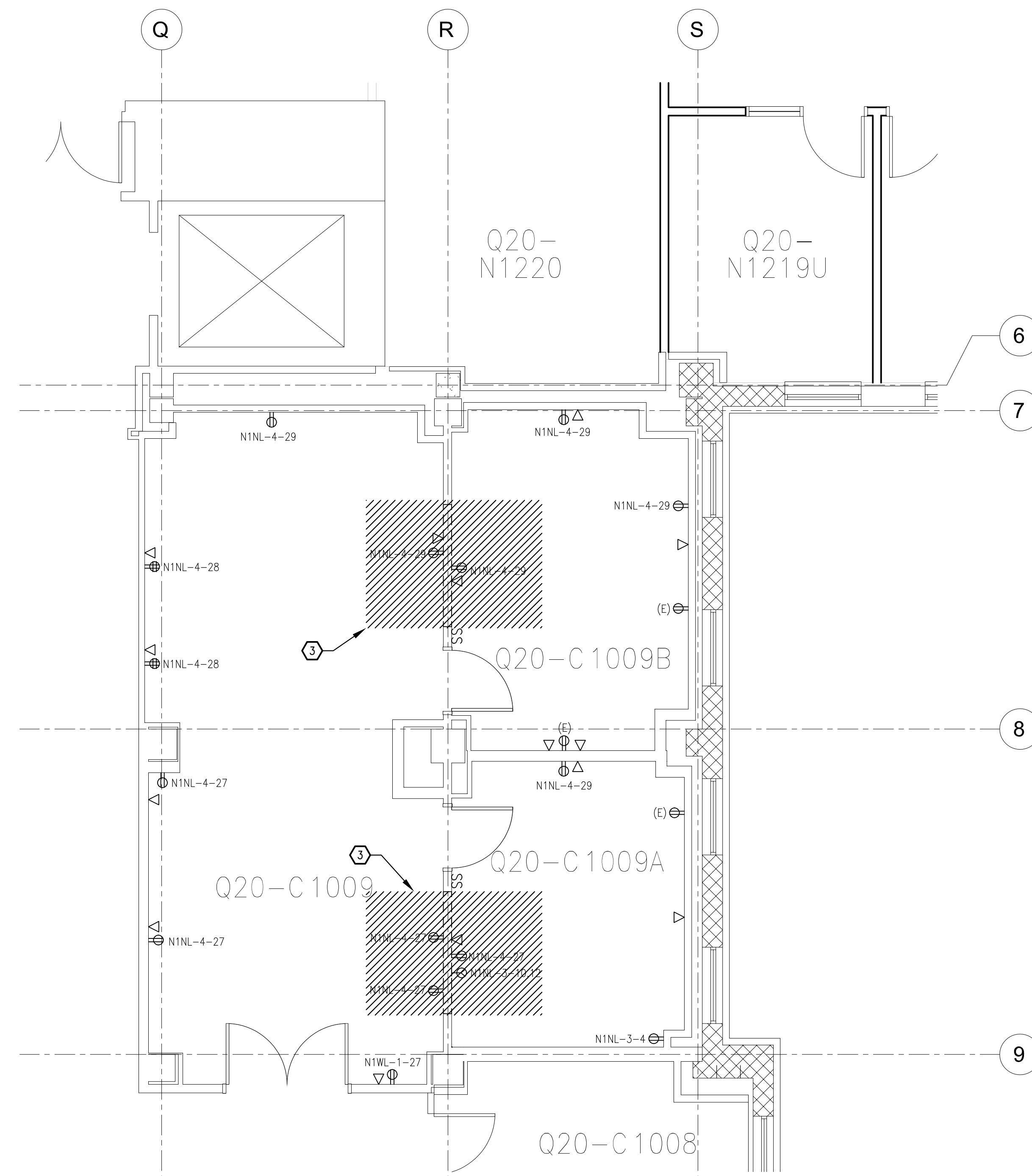
1. LIGHT LINE WEIGHT INDICATES EXISTING. HEAVY LINE WEIGHT INDICATES NEW CONSTRUCTION. HATCHING INDICATES DEMOLITION.
2. PATCH AND PAINT ANY DAMAGED SURFACES DUE TO DEMOLITION AND CONSTRUCTION TO MATCH EXISTING CONDITIONS. SEAL ALL PENETRATIONS THROUGH RATED CEILING AND WALLS WITH UL LISTED SEALANTS AND FIRESTOPPING MATERIALS.
3. UPDATE PANEL SCHEDULES TO REFLECT INSTALLED CONDITIONS AFTER CONSTRUCTION IS COMPLETE.
4. EXISTING CIRCUIT INFORMATION SHOWN ON THE PLANS IS FOR REFERENCE ONLY. TRACE ALL EXISTING CIRCUITS AFFECTED BY THIS WORK TO CONFIRM SOURCE PANEL AND CIRCUIT NUMBERS.
5. THESE DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. DATA PRESENTED ON THIS DRAWING IS AS ACCURATE AS CAN BE DETERMINED, BUT ACCURACY IS NOT GUARANTEED. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THE ENGINEER IS NEITHER RESPONSIBLE FOR ITS ACCURACY, NOR ERRORS NOR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DOCUMENTS. FIELD VERIFICATION OF ALL AFFECTED COMPONENTS IS REQUIRED.
6. NO ADDITIONAL ELECTRICAL LOAD ADDED IN THE SCOPE OF THIS PROJECT. 900VA REMOVED FROM PANEL N1NL-4 AND 900VA ADDED TO PANEL N1NL-4.

**KEY NOTES**

1. PROVIDE A CHIEF MANUFACTURING PAC-525/526 RECESSED LCD DISPLAY BOX FOR RECEPTACLE, A/V AND DATA DEVICES. MOUNT AS CLOSE AS POSSIBLE TO CENTERLINE OF LCD SCREEN TO AVOID CONFLICT WITH TV MOUNT. COORDINATE FINAL MOUNTING HEIGHT WITH THE OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
2. PANELBOARD NAMES WERE CHANGED AFTER THE DEVICES WERE LABELED. SEE ONE-LINE DIAGRAM FOR PREVIOUS AND CURRENT PANELBOARD NAMES.
3. WORK SHOWN HATCHED IS EXISTING TO BE REMOVED. REMOVE ALL DEVICES ON WALLS WHICH ARE REMOVED. WHERE DEVICES ARE REMOVED, REMOVE ASSOCIATED CIRCUIT CONDUCTORS TO THE NEXT DEVICE ON THE CIRCUIT WHICH REMAINS (MAINTAIN CIRCUIT CONTINUITY).

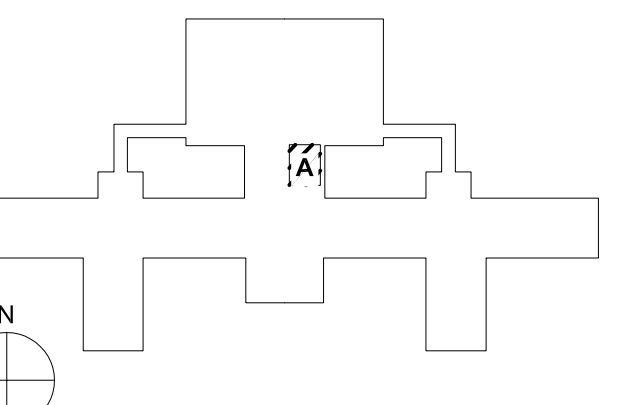


**2 ELECTRICAL FLOOR PLAN**  
SCALE: 1/4"=1'-0"



**3 ELECTRICAL DEMOLITION PLAN**  
SCALE: 1/4"=1'-0"

Rev.	Description	Date
100%	CONSTRUCTION DOCUMENTS	22 MAR 2022



**KEY PLAN**

**ELECTRICAL FLOOR PLANS**

Project No.: 006734.00 Checked by: Checker

**E0101**



**SHEET NOTES**

- ONE-LINE DIAGRAM SHOWN FOR REFERENCE ONLY. NO NEW WORK IS SHOWN ON THIS SHEET.

PANEL: <b>N1NL-4</b>		VOLTAGE: 120/208 V	TYPE: PANELBOARD
FED FROM: N1NH-1		3 PH 4 W 60 HZ	MOUNTING: SURFACE
125 AMP MAIN RATED AT 80%			PANEL COVER: SURFACE
N/A AMP MAIN LUGS			NEUTRAL BUS: YES
125 AMP BUS			GROUND BUS: YES
COPPER BUSING			ISOLATED GND: NO
10000 SYMMETRICAL RMS AMPS			NOTE: 1. EXISTING LOAD
PANEL SHORT CIRCUIT RATING		4 I	2. NEW LOAD, NEW CIRCUIT BREAKER
		3 I	
		4 I	

NOTE	DESCRIPTION	CCT BREAKER	BREAKER	CCT	DESCRIPTION	NOTE
1	CCTV DINNING	180	20 / 1	1 A 2	20 / 1	0 SPARE
1	HALLWAY HEATERS	1000	20 / 1	3 B 4	20 / 1	0 SPARE
1	HALLWAY HEATERS	1000	20 / 1	5 C 6	20 / 1	0 SPARE
	SPACE	0	20 / 1	7 A 8	20 / 1	0 SPARE
	SPACE	0	7 / 1	9 B 10	7 / 1	0 SPARE
	SPACE	0	7 / 1	11 C 12	7 / 1	0 SPARE
	SPACE	0	7 / 1	13 A 14	7 / 1	0 SPARE
	SPACE	0	7 / 1	15 B 16	7 / 1	0 SPARE
	SPACE	0	7 / 1	17 C 18	7 / 1	0 SPARE
1	RECEPT	720	20 / 1	19 A 20	7 / 1	0 SPARE
1	RECEPT	540	20 / 1	21 B 22	7 / 1	0 SPARE
1	COPY MACHINE	1500	20 / 1	23 C 24	7 / 1	0 SPARE
1	COPY MACHINE	1500	20 / 1	25 A 26	20 / 1	0 SPARE
1	RECEPT	1080	20 / 1	27 B 28	20 / 1	720 RECEPT
1	RECEPT	1080	20 / 1	29 C 30	20 / 1	0 SPARE
	N1NL-2	4320	50 / 1	31 A 32	20 / 1	0 SPARE
*		2700	--	33 B 34	20 / 1	360 RECEPT
*		2340	--	35 C 36	20 / 1	360 RECEPT
	N1NL-3	540	50 / 1	37 A 38	90 / 1	900 N1NL-1
*		540	--	39 B 40	--	1320
*		720	--	41 C 42	--	1800

PANEL LOADING SUMMARY				NEC DEMAND LOAD SUMMARY			
LOAD TYPE	PH A	PH B	PH C	LOAD TYPE	MW	FACT	DEMAND
INCANDESCENT	0.0	0.0	0.0	INCANDESCENT	0.0	100%	0.0 @ 125% = 0.0 KVA
INDUCTIVE LTG	0.0	0.0	0.0	INDUCTIVE LTG	0.0	95%	0.0 @ 125% = 0.0 KVA
RECEPTACLES	4.9	5.4	4.5	RECEPTACLES	0.0	95%	0.0 @ 125% = 0.0 KVA
MOTORS	1.8	1.8	1.8	FIRST 10 KVA	9.5	95%	### @ 100% = 10.0 KVA
APPLIANCES	0.0	0.0	0.0	REMAINDER	4.5	95%	4.5 @ 50% = 2.4 KVA
HEAT	0.0	1.0	2.0	MOTORS	4.3	80%	5.4 @ 125% = 6.8 KVA
COMPUTER	0.0	0.0	0.0	REMAINDER	0.0	80%	0.0 @ 100% = 0.0 KVA
OTHER	1.5	0.0	1.5	APPLIANCES	0.0	80%	0.0 @ 100% = 0.0 KVA
NONCONCIDENT	0.0	0.0	0.0	HEAT	2.0	100%	2.0 @ 125% = 2.5 KVA
PEAK LOAD	0.0	0.0	0.0	COMPUTER	0.0	95%	0.0 @ 100% = 0.0 KVA
TOTAL	8.2	8.2	8.5	OTHER	2.5	85%	3.0 @ 100% = 3.0 KVA
				NONCONCIDENT	0.0	95%	0.0 @ 9% = - KVA
				PEAK LOAD	0.0	90%	0.0 @ 125% = 0.0 KVA
				0 % SPARE	0.0	90%	0.0 @ 100% = 0.0 KVA
				TOTAL	##	KW	## KVA

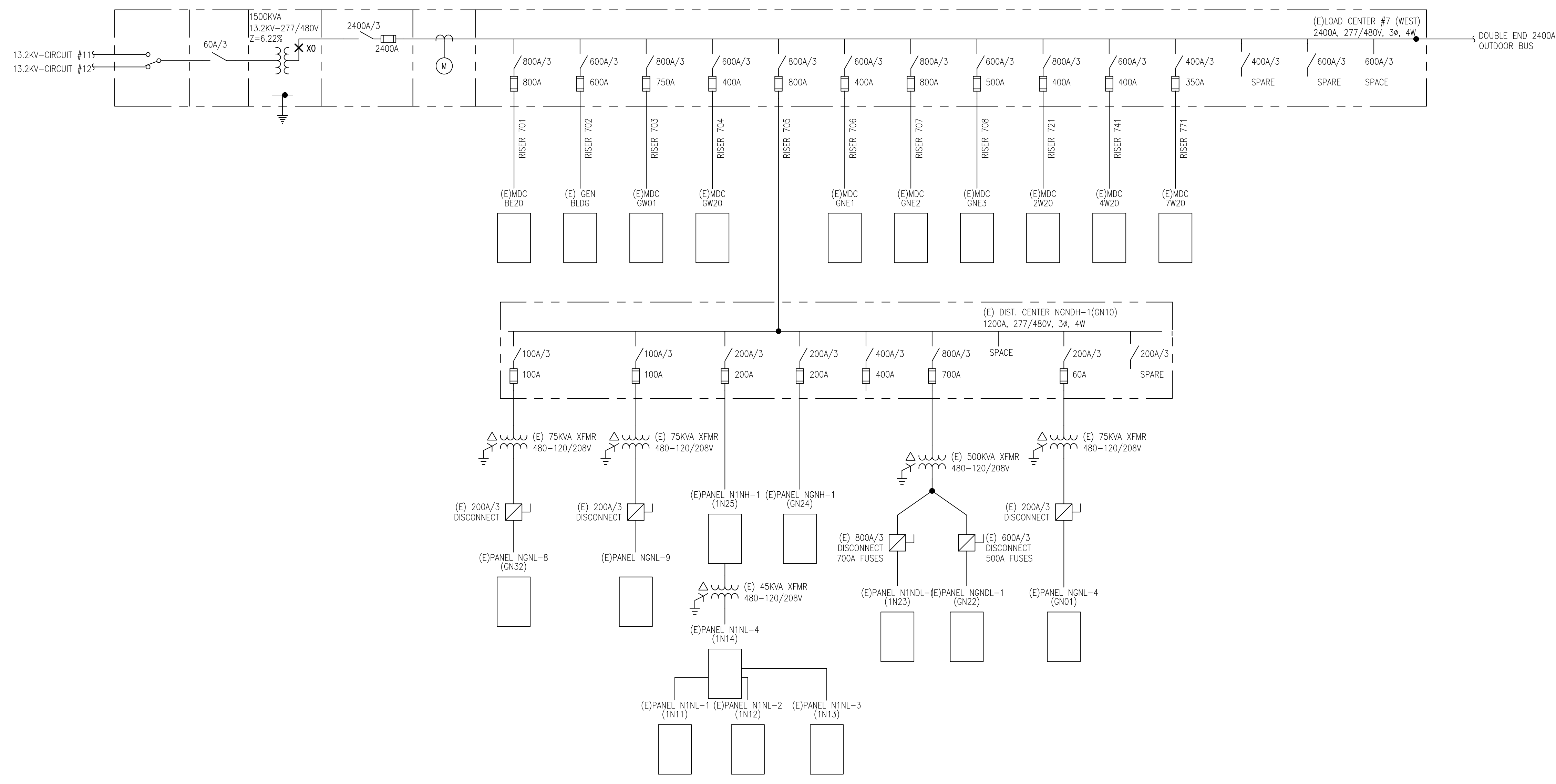
PHASE BALANCE			
A-B	B-C	C-A	PF
100	93	93	92

MIN PANEL CAPACITY	
65	AMPERES
65	AMPERES

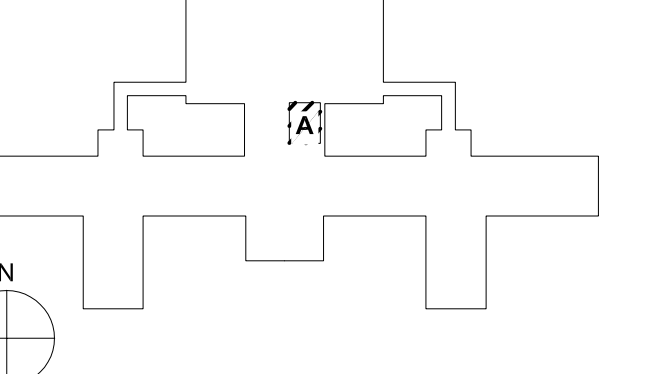
TOTAL	
##	KVA
24.7	KVA



**PARTIAL ELECTRICAL ONE-LINE DIAGRAM**  
SCALE: NONE

100% CONSTRUCTION DOCUMENTS 22 MAR 2022

Rev.	Description	Date



**KEY PLAN**  
Drawing Title:

**ELECTRICAL ONE-LINE DIAGRAM**

Project No.: 006734.00 Checked by: Checker

**E0201**