

# PALO VERDE COMMUNITY COLLEGE CLASSROOM / LAB BUILDING PROJECT 1

CLIENT



Palo Verde Community College District  
1 College Drive  
Blythe, CA 92225

PROJECT NAME

Classroom / Lab Building  
Project 1  
1 College Drive  
Blythe, CA 92225

CONTRACTOR

DESIGNER



31045 Temecula Parkway  
Suite 204  
Temecula, CA 92592  
T 760.489.4432  
F 919.294.7515  
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CONSULTANTS

REGISTRATION STAMP



ISSUE

Mark	Date	Description

DESIGNER PROJECT NO.: 17008

DRAWN BY: NH

CHECKED BY: MS

SCALE:

DESIGN ITERATION

BID SET

DATE

DATE: 06.01.17

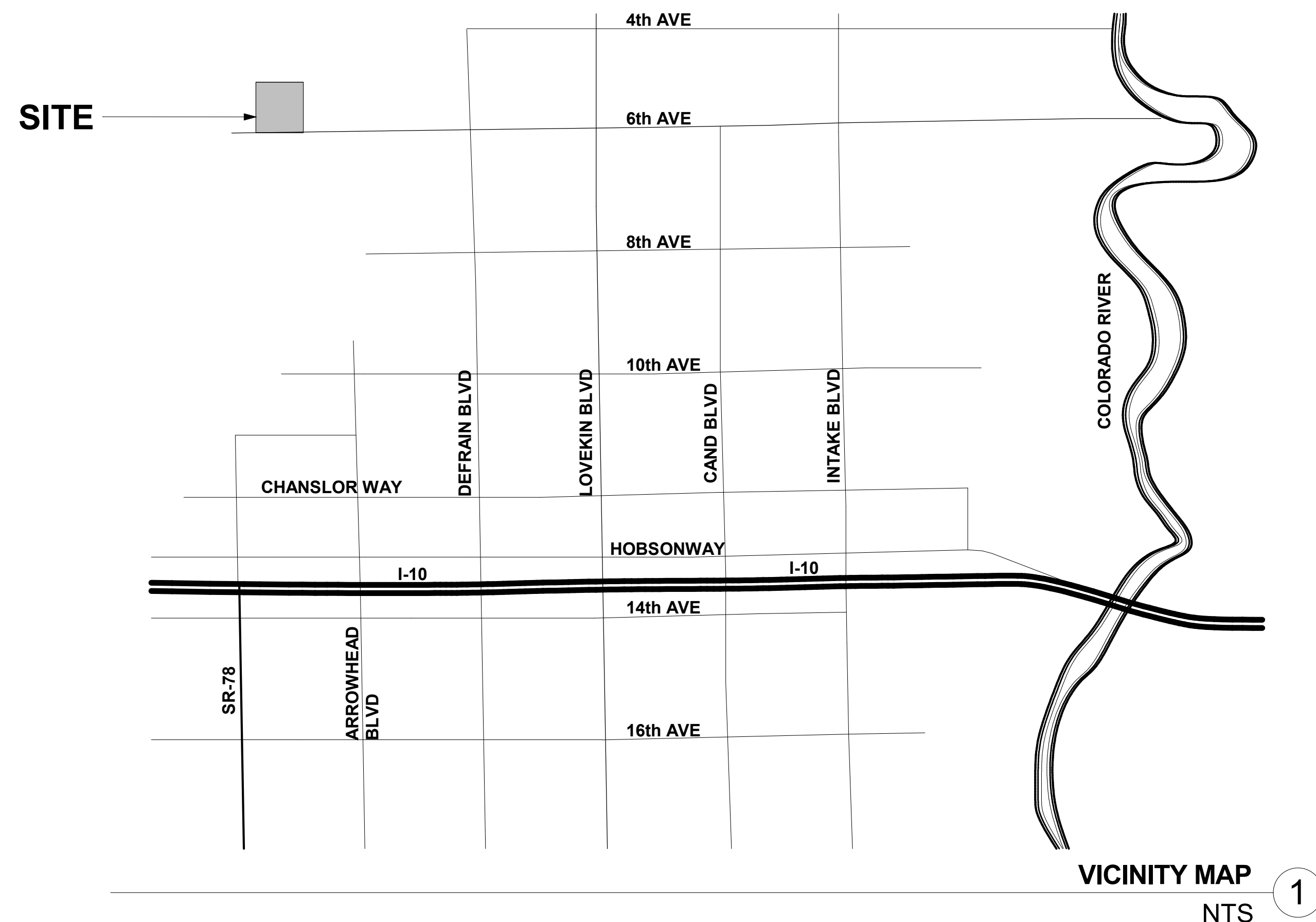
SHEET TITLE

TITLE SHEET

SHEET NUMBER

G-001

## VICINITY MAP



VICINITY MAP  
NTS 1

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## BUILDING DATA / CODE ANALYSIS

**SCOPE OF WORK:**  
THE PROJECT CONSISTS OF TENANT IMPROVEMENTS TO THE FIRST AND SECOND FLOORS OF THE EXISTING CLASSROOM/LABORATORY (CL) BUILDING AS WELL AS THE ADDITION OF ONE PARTITION WALL TO THE 2ND FLOOR OF THE COLLEGE SERVICES (CS) BUILDING.  
THE FIRST FLOOR CL SCOPE WILL CONSIST OF PARTITION WALL REMOVAL BETWEEN ROOMS 117, 118, AND 119. THE RESULTING SPACE WILL BE DIVIDED BY ONLY ONE PARTITION WALL CREATING ROOMS 117 AND 118.  
THE SECOND FLOOR CL SCOPE WILL CONSIST OF REMOVAL OF THE PARTITION WALL BETWEEN ROOMS 214 AND 215 CREATING ONE LARGE ROOM 214.  
THE TOTAL AREA OF WORK IS 2,182 SF.

APN: 821-200-020  
CONSTRUCTION TYPE: (E) TYPE-II-B  
OCCUPANCY GROUPS: B, A-3  
FULLY SPRINKLERED: YES  
BUILDING HEIGHT: 43'-0" (NO CHANGES TO HT.)  
NUMBER OF STORIES: 2-STORY  
BUILDING AREA: 42,408 SF (CL)

## APPLICABLE CODES

THE CONSTRUCTION OF THIS PROJECT SHALL CONFORM TO THE FOLLOWING CODES AND REGULATIONS:  
2016 CALIFORNIA BUILDING CODE  
2016 CALIFORNIA PLUMBING CODE  
2016 CALIFORNIA ELECTRICAL CODE  
2016 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.  
2016 CALIFORNIA BUILDING CODE (C.B.C.), PART 2, TITLE 24 C.C.R.  
2016 CALIFORNIA FIRE CODE (C.F.C.) PART 9, TITLE 24 C.C.R.  
2016 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.  
2016 TITLE 19, C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS  
2016 CALIFORNIA ELECTRICAL CODE (C.E.C.), PART 3, TITLE 24 C.C.R.; (2013 NATIONAL ELECTRICAL CODE WITH ALL CALIFORNIA AMENDMENTS)  
2016 CALIFORNIA MECHANICAL CODE (C.M.C.), PART 4, TITLE 24 C.C.R.; (2015 INTERNATIONAL MECHANICAL CODE WITH ALL CALIFORNIA AMENDMENTS)

## DIRECTORY

**OWNER**  
PALO VERDE COMMUNITY COLLEGE DISTRICT  
1 COLLEGE DRIVE  
BLYTHE, CA 92225  
CONTACT: RUSSI EGAN  
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**MECHANICAL/PLUMBING DESIGN**  
DEC ENGINEERS  
7360 CARROLL ROAD, SUITE 100  
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CONTACT: MARIO RUIZ  
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**STRUCTURAL ENGINEER**  
CHARLIE COLVIN, SE  
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EMAIL: CCOLVIN@BWESD.COM

**ARCHITECT**  
SILLMAN WRIGHT ARCHITECTS  
31045 TEMECULA PARKWAY, SUITE 204  
TEMECULA, CA 92592  
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EMAIL: NHOUCK@SILLMANWRIGHT.COM

**ELECTRICAL DESIGN**  
EPI  
9565 WAPLES STREET, SUITE 100  
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F: (858) 824-1768  
CONTACT: BOBBY EUGENIO  
EMAIL: BOBBY@ENGINEERINGPARTNERS.COM

- ALL CONTRACTORS SHALL BE EXPERIENCED AND THOROUGHLY KNOWLEDGEABLE IN THEIR RESPECTIVE AREAS OF THE CONSTRUCTION INDUSTRY AND SHALL PERFORM IN A RESPONSIBLE MANNER IN ESTABLISHED CONSTRUCTION SEQUENCE. IN REVIEWING THE DRAWINGS AND DETAILS, THE CONTRACTOR SHALL INFORM THE ARCHITECT OF POTENTIAL PROBLEMS WHEN DRAWINGS ARE UNCLEAR OR INCONSISTENT.
- ALL REFERENCES MADE IN THE PLANS, SPECIFICATIONS AND CONTRACT DOCUMENTS TO THE CONTRACTOR SHALL ALSO APPLY TO THE SUBCONTRACTOR. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE TO NOTIFY THE ARCHITECT OF DISCREPANCIES OR CONFLICTS IN THE DRAWINGS FOUND DURING BIDDING AND/OR CONSTRUCTION PRIOR TO PERFORMING THE WORK. THE ARCHITECT SHALL RESOLVE SUCH DISCREPANCIES EXPEDITIOUSLY AND NOTIFY THE CONTRACTOR EITHER VERBALLY OR IN WRITING AS APPLICABLE TO THE CONDITION. IF CONFLICTS ARE NOT BROUGHT TO THE ATTENTION OF THE ARCHITECT DURING THE BID PROCESS IT IS ASSUMED THAT THE CONTRACTOR WILL BE RESOLVING THE CONFLICT IN THE MOST INEXPENSIVE WAY.
- UTILITIES ARE DIAGRAMMATICALLY LOCATED ON THE DRAWING SOLELY FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR IS EXPRESSLY WARNED THAT SUCH INDICATIONS ARE ONLY APPROXIMATE AS TO ACTUAL LOCATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE ANY AND ALL UTILITIES REQUIRED TO COMPLETE THE SCOPE OF WORK.
- ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE C.B.C. AND TITLE 24 AS ADOPTED AND AMENDED BY LOCAL GOVERNING AGENCIES.
- WHERE NO CONSTRUCTION DETAILS OR NOTES ARE SHOWN FOR ANY PART OF THE WORK, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM THE WORK TO CONFORM TO SIMILAR STANDARD DETAILS AS REGULATED BY LOCAL GOVERNING AGENCIES.
- IF NOT SPECIFICALLY DEFINED IN THESE DRAWINGS, MATERIALS AND/OR EQUIPMENT SHALL BE IDENTIFIED BY THE CONTRACTOR TO THE ARCHITECT WITHIN A REASONABLE AMOUNT OF TIME TO ALLOW SELECTION, PURCHASE AND DELIVERY SO AS TO PREVENT DELAY IN THE JOB SCHEDULE.
- MATERIAL SUBSTITUTION SHALL BE APPROVED BY THE ARCHITECT AND OWNER PRIOR TO THE PURCHASE AND INSTALLATION.
- ALL MATERIAL SHALL BE BANNED AND INSTALLED PER MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.
- ALL COLORS AND / OR COLOR SAMPLES SHALL BE SUBMITTED TO THE ARCHITECT AND OWNER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION OR APPLICATION.
- TOILET ROOMS SHALL HAVE AN AIR CHANGE OF FOUR (4) COMPLETE VOLUMETRIC AIR CHANGES PER HOUR.
- NEITHER THE OWNER OR ARCHITECT ARE RESPONSIBLE FOR ENFORCING SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND BRACING AND BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- ATTIC SEPARATIONS AS REQUIRED BY GOVERNING AGENCIES SHALL BE PROVIDED, WHETHER INDICATED ON THESE PLANS OR NOT.
- THE CONTRACTOR IS REQUIRED TO VISIT THE SITE AND BECOME AWARE OF ALL VISIBLE EXISTING CONDITIONS, ASCERTAIN THE LIMITS OF WORK, (AS RELATED TO EXISTING CONDITIONS AND IMPROVEMENTS) LIMITS OF SITE ACCESS FOR EQUIPMENT, MATERIAL DELIVERY AND STORAGE AND CONSTRUCTION FORCES.
- THE CONTRACTOR SHALL CHECK AND VERIFY ALL FIELD MEASUREMENTS AND SHALL SUBMIT FOR REVIEW, WITH SUCH PROMPTNESS AS TO CAUSE NO DELAY IN HIS OWN WORK OR THAT OF ANY SUBCONTRACTOR, ALL SHOP OR SETTING DRAWINGS AND SCHEDULES REQUIRED FOR THE WORK OF THE VARIOUS TRADES.
- SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD, WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THEY HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL. THE DEFERRED SUBMITTAL ITEMS ARE: NONE AT THIS TIME.
- VERIFY WITH ARCHITECT WHETHER THESE NOTES OR SPECIFIC NOTES ON DRAWINGS SHALL TAKE PRECEDENCE IN CASE OF CONFLICT. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL GOVERN. DO NOT SCALE DRAWINGS UNLESS DIRECTED BY ARCHITECT.
- VERIFY EXACT LOCATIONS AND SIZES OF HOLES IN FLOOR, WALLS, AND ROOF FOR PLUMBING, HVAC, AND ELECTRICAL WITH RESPECTIVE CONTRACTORS AND SUB CONTRACTORS.
- ALL DRAWINGS HAVE BEEN DRAWN TO SCALE AS INDICATED UNLESS OTHERWISE SHOWN; HOWEVER, MECHANICAL, FIRE PROTECTION AND ELECTRICAL SYSTEMS MAY BE OF SCHEMATIC LAYOUT. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATION OF ALL ROUGH-IN AND FINISH INSTALLATIONS OF AND VERIFICATION OF NON-INTERFERENCE BETWEEN ALL SYSTEMS.
- WALLS: SEE DRAWINGS FOR LEGEND, STUD SIZES AND SPACING. FRAMING MEMBERS INDICATED ARE SCHEMATIC. ADDITIONAL MEMBERS MAY BE REQUIRED TO PROPERLY MAINTAIN RIGIDITY, BACKING, ELECTRICAL BRACING, ETC. FOR A COMPLETE INSTALLATION. ALL INSTALLATIONS SHALL CONFORM TO THE MANUFACTURER'S ICBO APPROVED SYSTEM.
- IF SMOKE AND FIRE DAMPERS ARE REQUIRED, CONTRACTOR SHALL SUPPLY AND INSTALL AS REQUIRED BY LOCAL CODE.
- DRILLED-IN OR SHOT-IN CONCRETE ANCHORS USED FOR HANGER WIRES MUST BE FIELD TESTED. ONE OUT OF TEN MUST BE TESTED FOR 200 POUNDS OF TENSION. DRILLED IN CONCRETE ANCHORS USED FOR BRACING WIRES MUST BE FIELD TESTED. ONE OUT OF TWO MUST BE TESTED FOR 440 POUNDS OF TENSION. IF ANY TEST FAILS, ALL ADJACENT WIRES MUST BE TESTED.
- ICBO REPORT NUMBERS WHERE SHOWN ON DRAWINGS AND IN THE SPECIFICATIONS ARE SHOWN ONLY TO INDICATE THE REQUIREMENTS BY THE LOCAL BUILDING DEPARTMENT. OTHER PRODUCTS WITH APPROVED ICBO REPORT NUMBER MAY BE USED IF SUBMITTED TO THE ARCHITECT PRIOR TO INSTALLATION.
- ALL FURRED CEILINGS SHALL COMPLY WITH C.B.C
- PLUMBING AND ELECTRICAL PENETRATIONS THROUGH WALLS FOR SEPARATION OF OCCUPANCY AND AREA, CORRIDOR, OR OTHER FIRE SEPARATIONS SHALL COMPLY WITH SEC. 713-C.B.C.
- ADDITIONALLY, STEEL OUTLET BOXES AT OCCUPANCY SEPARATION WALLS SHALL NOT EXCEED SIXTEEN SQUARE INCHES. SHALL NOT EXCEED ONE HUNDRED SQUARE INCHES PER ONE HUNDRED SQUARE FEET OF WALL. AND SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF TWENTY-FOUR INCHES WHEN ON OPPOSITE SIDES OF A WALL PER 713 C.B.C. DUCTS PENETRATING OCCUPANCY SEPARATIONS MUST HAVE SMOKE AND FIRE DAMPERS PER 713 C.B.C.
- BRACING AND TEMPORARY SUPPORT SHALL BE PROVIDED AS REQUIRED TO HOLD THE WORK SECURELY IN PLACE AND TO SUSTAIN ALL LOADS THAT MAY DURING ERECTION AND UNTIL SUBSEQUENT CONSTRUCTION IS ADEQUATE TO REPLACE TEMPORARY BRACING.
- ALL FIXED GLASS PANELS ADJACENT TO DOORS AND GLAZING ADJACENT TO WALKING SURFACE MUST BE OF SAFETY GLAZING MATERIAL.
- ALL SHOT PINS SHALL BE HILTI DS (0.177" DIA) LOW VELOCITY FASTENER (ICC-ESR-1663), 32" O.C.
- WHEN SPECIAL INSPECTION IS REQUIRED, THE ARCHITECT OR ENGINEER OF RECORD SHALL SUBMIT THE NAME AND INFORMATION OF THE SPECIAL INSPECTION TEAM TO THE CITY FOR REVIEW AND APPROVAL.

## GENERAL NOTES

&	AND	E	EAST	KJ	KEYED COLD JOINT	S	SOUTH
L	ANGLE	EA	EACH	KIT	KITCHEN	SF	SQUARE FEET
@	AT	EF	EACH FACE	KO	KNOCKOUT	SC	SOLID CORE
@	CENTERLINE	EJ	EXPANSION JOINT	KPL	KICK PLATE	SCH	SCHEDULE
#	DIAMETER	ELEV	ELEVATION	LAB	LABORATORY	SD	SOAP DISPENSER
(E)	POUND OR NUMBER	ELEC	ELECTRICAL	LAM	LAMINATE	SEC	SECTION
	EXISTING	EMER	EMERGANCY	LAV	LAVATORY	SLV	SHELF/SHELVING
A.A.	ALL AROUND	ENC	ENCLOSURE	LKR	LOCKER	SHR	SHOWER
ACOUS	ACCOUSTICAL	EP	ELECTRICAL PANEL	LT	LIGHT	SHT	SHEET
AD	AREA DRAIN	EQ	EQUAL	LAD	LADDER	SLD	SLIDING
ADJ	ADJUSTABLE	EST	ESTIMATE	LB	LAG BOLT	SD	STORM DRAIN
AGGR	AGGREGATE	EXP	EXPOSED	LH	LEFT HAND	SPEC	SPECIFICATION
AL	ALUMINUM	EXP	EXPANSION	L	LENGTH/LONG	SG	SQUARE
APPROX	APPROXIMATE	EXT	EXTERIOR	LW	LIGHT WEIGHT	SS	STAINLESS STEEL
ARCH	ARCHITECTURAL	EPDM	ETHYLENE PROPYLENE	LL	LIVE LOAD	SSK	SERVICE SINK
ASPH	ASPHALT	EXH	EXHAUST	LVR	LOUVER	STF	STORE FRONT
AC	ASPHALT CONCRETE	ELEV	ELEVATOR	LIN	LINTEL	STA	STATION
ACC	ACCESS COMPO	EIF	EXTERIOR INSULATING FINISH SYSTEM	MAX	MAXIMUM	STD	STANDARD
AP	ACCESS PANEL	MC	MEDICINE CABINET	MECH	MECHANICAL	STL	STEEL
ACP	ASPHALT CONCRETE PAVING	MEMB	MEMBRANE	MTL	METAL	STO	STORAGE
ADD	ADDENDUM	MFR	MANUFACTURER	MH	MANHOLE	STR	STRUCTURAL
ADH	ADHESIVE	MIN	MINIMUM	MIR	MIRROR	SUSP	SUSPENDED
ADJ	ADJACENT	MISC	MISCELLANEOUS	MTL	METAL	SYM	SYMMETRICAL
AFF	ABOVE FINISH FLOOR	MO	MASONRY OPENING	MDO	MEDIUM DENSITY OVERLAY	SA	SUPPLY AIR
A/C	AIR CONDITIONING	MTD	MOUNTED	MOD	MODIFIED	SD	SMOKE DETECTOR
ALT	ALTERNATE	MUL	MULLION	MOV	MOVABLE	SKL	SKYLIGHT
ALB	ALTERNATE	MB	MACHINE BOLT	MIR	MIRROR	SKP	SPEAKER
ANOD	ANODIZED	MAS	MASONRY	MISC	MISCELLANEOUS	SPK	SPEAKER
AT	ASHALT TILE	MED	MEDIUM	MO	MASONRY OPENING	SYS	SYSTEM
AUTO	AUTOMATIC	MDO	MEDIUM DENSITY OVERLAY	MRB	MARBLE	SHTG	SHEATHING
AV	AUDIO VISUAL	MOD	MODIFIED	MRD	METAL ROOF DECK	T	TREAD
BD	BOARD	MUL	MULLION	N	NORTH	TB	TOWEL BAR
BITMUN	BITUMIOUS	MB	MACHINE BOLT	NIC	NOT IN CONTRACT	TC	TOP OF CURB
BLDG	BUILDING	MEMB	MEMBRANE	NOM	NOMINAL	TEL	TELEPHONE
BLK	BLOCK	MED	MEDIUM	NTS	NOT TO SCALE	TZ	TERAZZO
BLKG	BLOCKING	MDO	MEDIUM DENSITY OVERLAY	OA	OVERALL	T&G	TONGUE AND GROOVE
BM	BEAM	MOD	MODIFIED	OBS	OBSCURE	THK	THICK
BTM	BOTTOM	MOV	MOVABLE	OC	ON CENTER	TP	TOP OF PAVEMENT
BMK	BENCHMARK	MLD	MOLDING	OD	OUTSIDE DIAMETER	TPH	TOILET PAPER HOLDER
BET	BETWEEN	MAT	MATERIAL	OFF	OFFICE	TV	TELEVISION
BRZ	BRONZE	MRB	MARBLE	OFF	OFFICE	TW	TOP OF WALL
		MRD	METAL ROOF DECK	OFF	OFFICE	TYP	TYPICAL
		FF	FINISH FLOOR	OFF	OFFICE	THRES	THRESHOLD
		FG	FINISH GRADE	OFF	OFFICE	TR	TRANSOM
		FP	FIRE PROOF	OFF	OFFICE	TOS	TOP OF SLAB
		FHMS	FLAT HEAD MACHINE SCREW	OFF	OFFICE	TG	TEMPERED GLASS
		FHWS	FLAT HEAD WOOD SCREW	OFF	OFFICE	TS	TOP OF STEEL
		FL	FLOW LINE	OFF	OFFICE	TBDB	TACK BOARD
		FS	FLOOR DRAIN	OFF	OFFICE		
		FIX	FLOOR SINK	OFF	OFFICE	UNF	UNFINISHED
		FPL	FIXTURE	OFF	OFFICE	UNO	UNLESS NOTED OTHERWISE
		FBO	FIREPLACE	OFF	OFFICE	UR	URNAL
			FURNISHED BY OTHERS	OFF	OFFICE	UL	UNDERWRITER'S LABORATORY
		GA	GALVANIZED	OPF	OPPOSITE	URT	UNDERWRITER'S LABORATORY
		GALV	GALVANIZED	OCC	OCCUPANT	VERT	VERTICAL
		GEN	GENERAL	OPH	OPPOSITE HAND	VEST	VESTIBULE
		GB	GENERAL	OHMS	OVAL HEAD MACHINE SCREW	VB	VAPOR BARRIER
		CL	GLASS, GLAZING	OHWS	OVAL HEAD WOOD SCREW	VCT	VINYL COMPOSITION TILE
		GC	GLASS, GLAZING	OH	OVERHEAD	VB	VINYLE BASE
		GND	GENERAL CONTRACTOR	OV/	OVER	W	WEST
		GR	GROUN	PAN	PANEL	WI	WITH
		GYP. BD	GRADE	PCC	PRE-CAST CONCRETE	WC	WATER CLOSET
		GI	GYPSPUM BOARD	PL	LATE	WD	WOOD
		GPL	GALVANIZED IRON	PLAM	PLASTIC LAMINATE	W/O	WITHOUT
		HB	COMPOSITION/COMPOSITE	PLAS	PLASTER	WP	WATERPROOF
		HC	HOSE BIBB	PLYWD	PLYWOOD	WSCT	WAINSCOT
		HWD	HOLLOW CORE	PR	PAIR	WT	WEIGHT
		HDW	HARDWOOD	PT	POINT	WH	WALL HUNG
		HM	HARDWARE	PTD	PAPER TOWEL DISPENSER	WWF	WELDED WIRE FABRIC
		HORIZ	HOLLOW METAL	PAR	PARALLEL	W	WIDE/WIDTH
		HR	HORIZONTAL	PAR	PARALLEL	WIN	WINDOW
		HGT	HOUR	PB	PANIC BAR	WB	WOOD BASE
		HC	HEIGHT	PL	PROPERTY LINE		
		HBD	HANDICAP	PERF	PERFORATED		
		HDR	HARDBOARD	QT	QUARRY TILE		
		HVAC	HEADER	R	RISER		
			HEATING, VENTING/ & AIR CONDITIONING	R	RADIUS		
		HD		RD	ROOF DRAIN		
		HOR	HEAVY DUTY	REF	REFERENCE		
		HHW	HORIZONTAL	REFR	REFRIGERATOR		
		HW	HOT WATER	RGTR	REGISTER		
		HEX	HEXAGONAL	REINF	REINFORCEMENT		
		ID	INSIDE DIAMETER	REQ	REQUIRED		
		INSUL	INSULATION	RESIL	RESILIENT		
		INT	INTERIOR	RM	ROOM		
		INCL	INCLUDED	RO	ROUGH OPENING		
		INTEG	INTEGRATED	RWD	REDWOOD		
		INSTR	INSTRUCTIONS	REV	REVISION		
		JAN	JANITOR	REFC	RECESSED FIRE EXTINGUISHER CABINET		
		JT	JOINT	RET	RETURN		
		JST	JOIST	RH	RIGHT HAND		
		JF	JOIST FILLER	RF	ROOF		
				RS	RESAWN		

## ABBREVIATIONS

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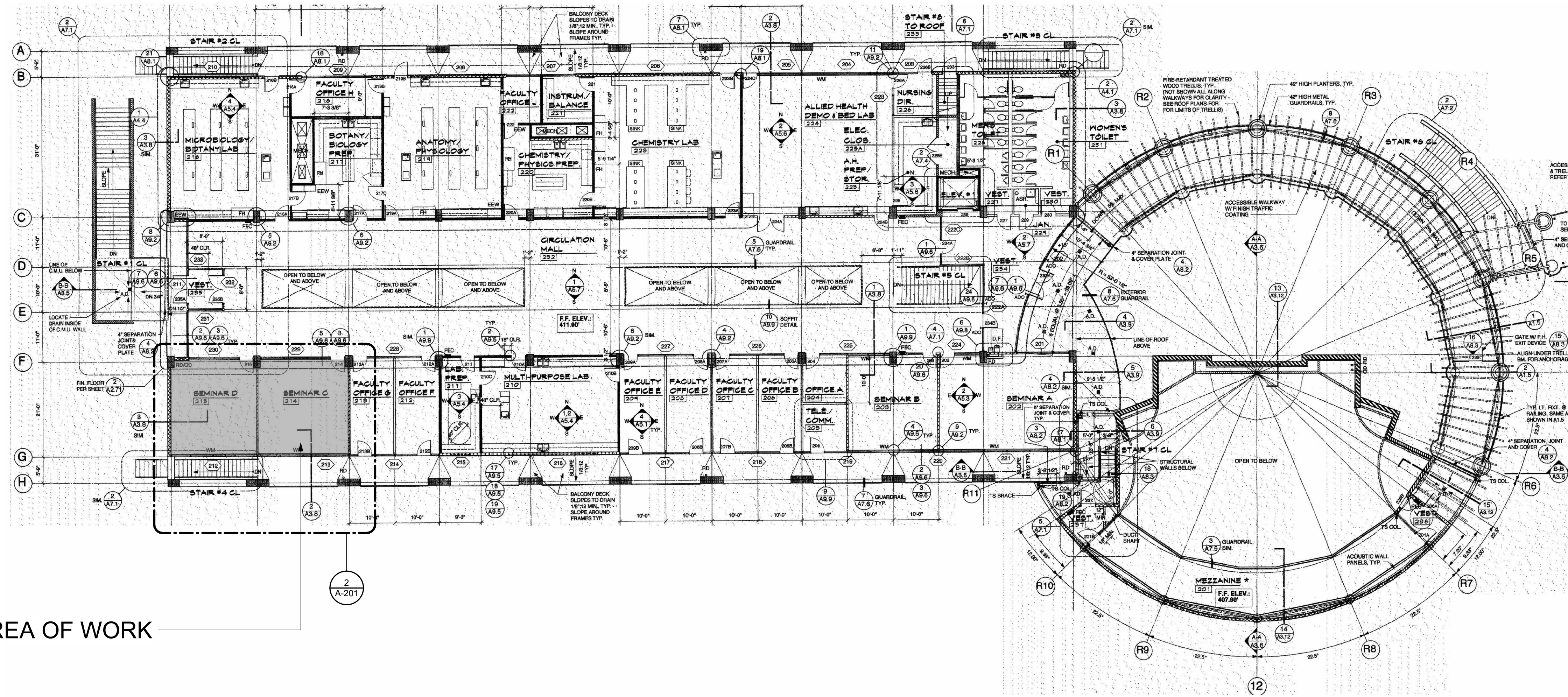
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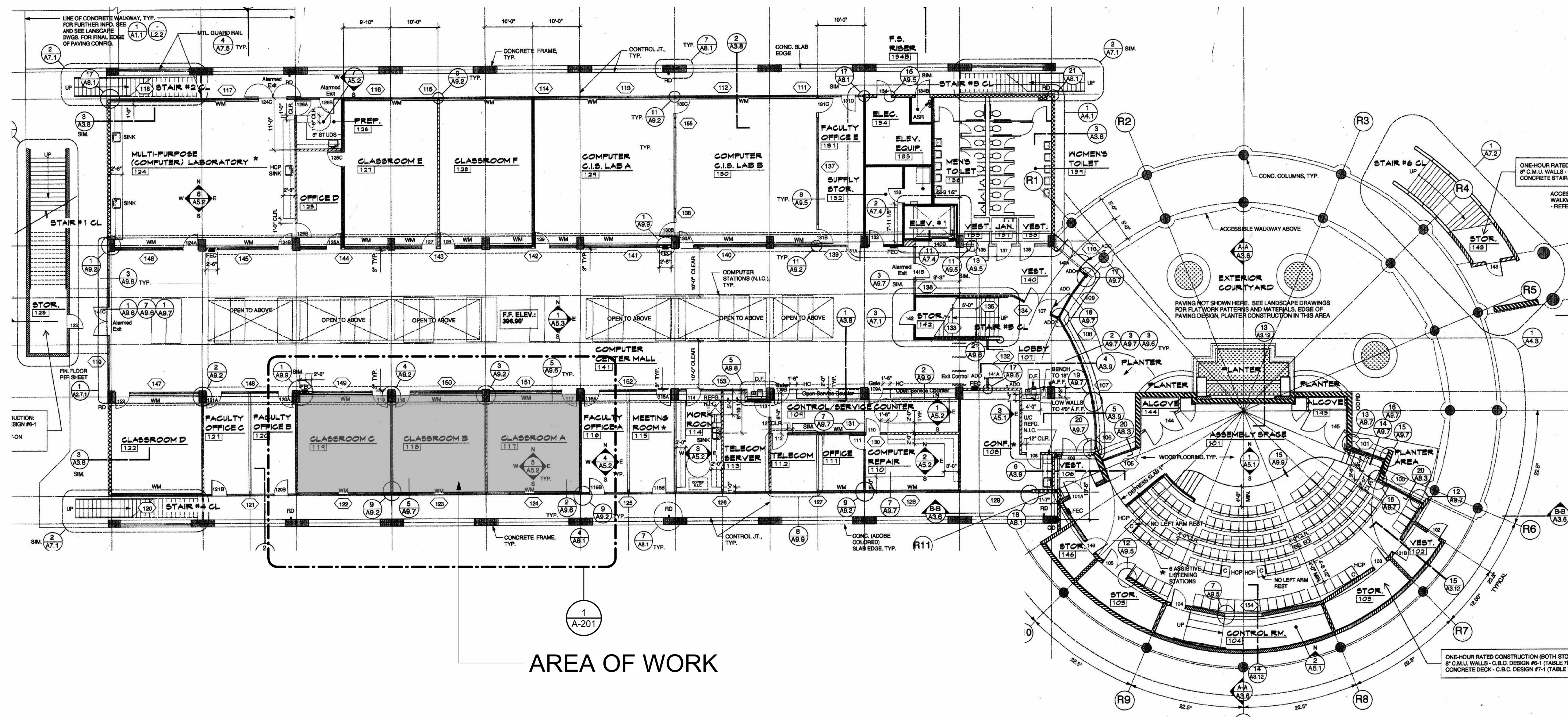
G-002



AREA OF WORK

2ND FLOOR PLAN

NTS 2



AREA OF WORK

1ST FLOOR PLAN

NTS 1

FOR REFERENCE ONLY

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**PALO VERDE COLLEGE**  
WHERE KNOWLEDGE TAKES ROOT AND OPPORTUNITY GROWS

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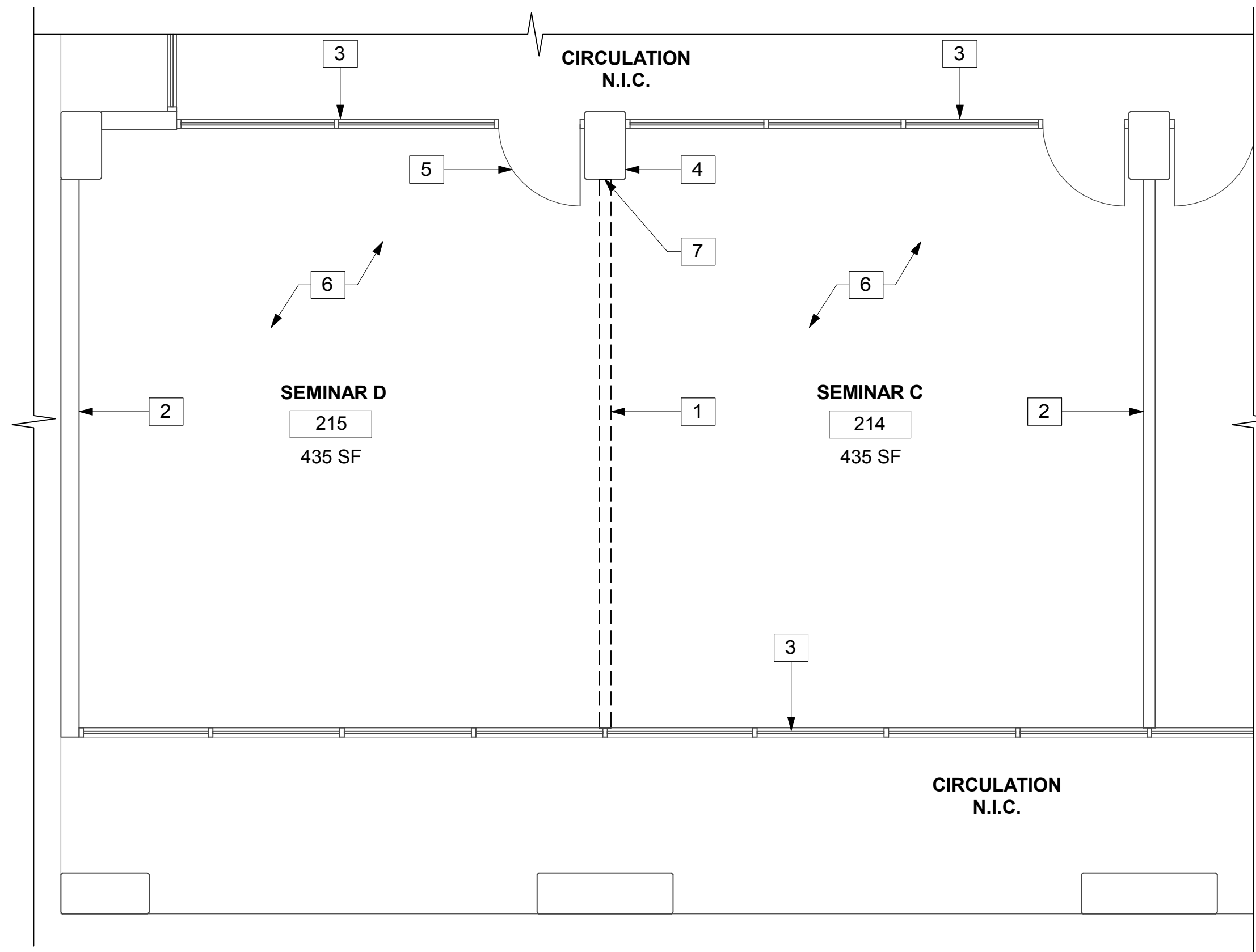
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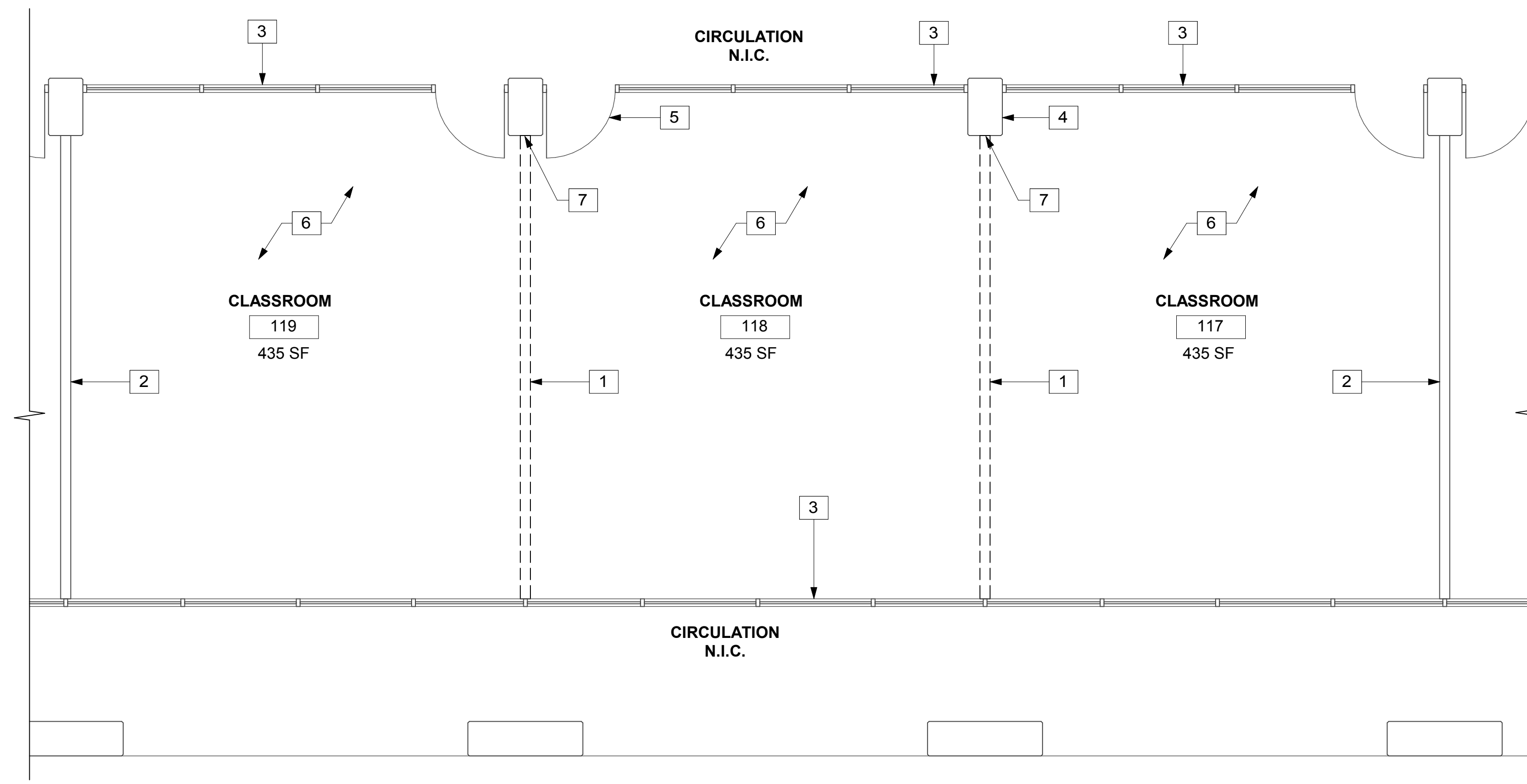
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G-003



**LEVEL 2 CL BLDG DEMO PLAN** ②  
1/4" = 1'-0"



**LEVEL 1 CL BLDG DEMO PLAN** ①  
1/4" = 1'-0"

**KEYNOTES**

- 1 EXISTING PARTITION WALL TO BE DEMOLISHED. SEE ELECTRICAL PLANS FOR ADDITIONAL INFO.
- 2 EXISTING WALL TO REMAIN
- 3 EXISTING STOREFRONT TO REMAIN
- 4 EXISTING COLUMN TO REMAIN, TYP. UNO
- 5 EXISTING DOOR TO REMAIN, TYP. UNO
- 6 VINYL TILE FLOOR FINISH TO REMAIN - PATCH AND REPAIR AS NECESSARY
- 7 CONTRACTOR TO TOUCH UP PAINT AT DEMOLISHED WALL AT COLUMN LOCATIONS

**DEMO LEGEND**

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED

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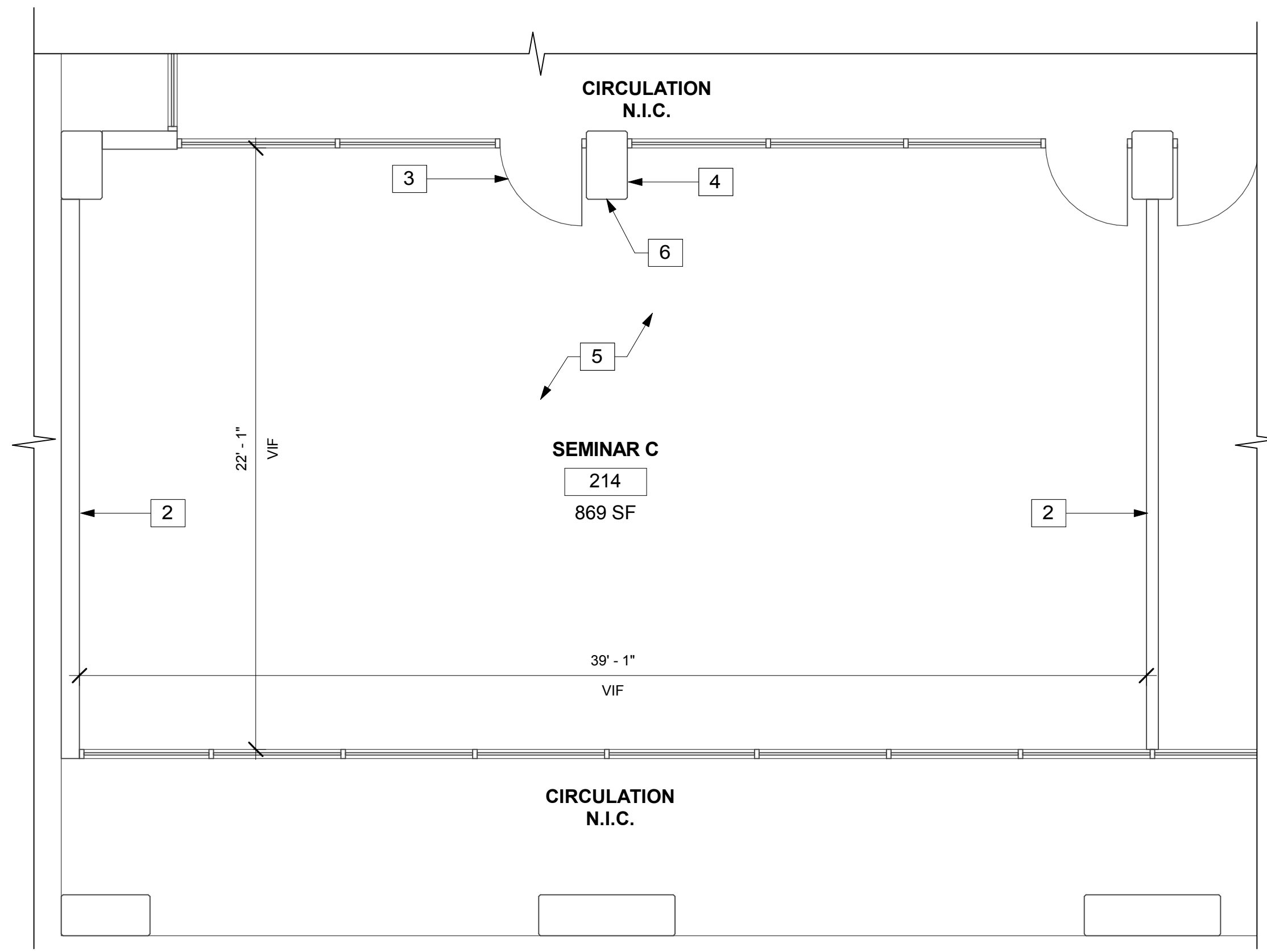
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**DEMO FLOOR PLANS**

SHEET NUMBER

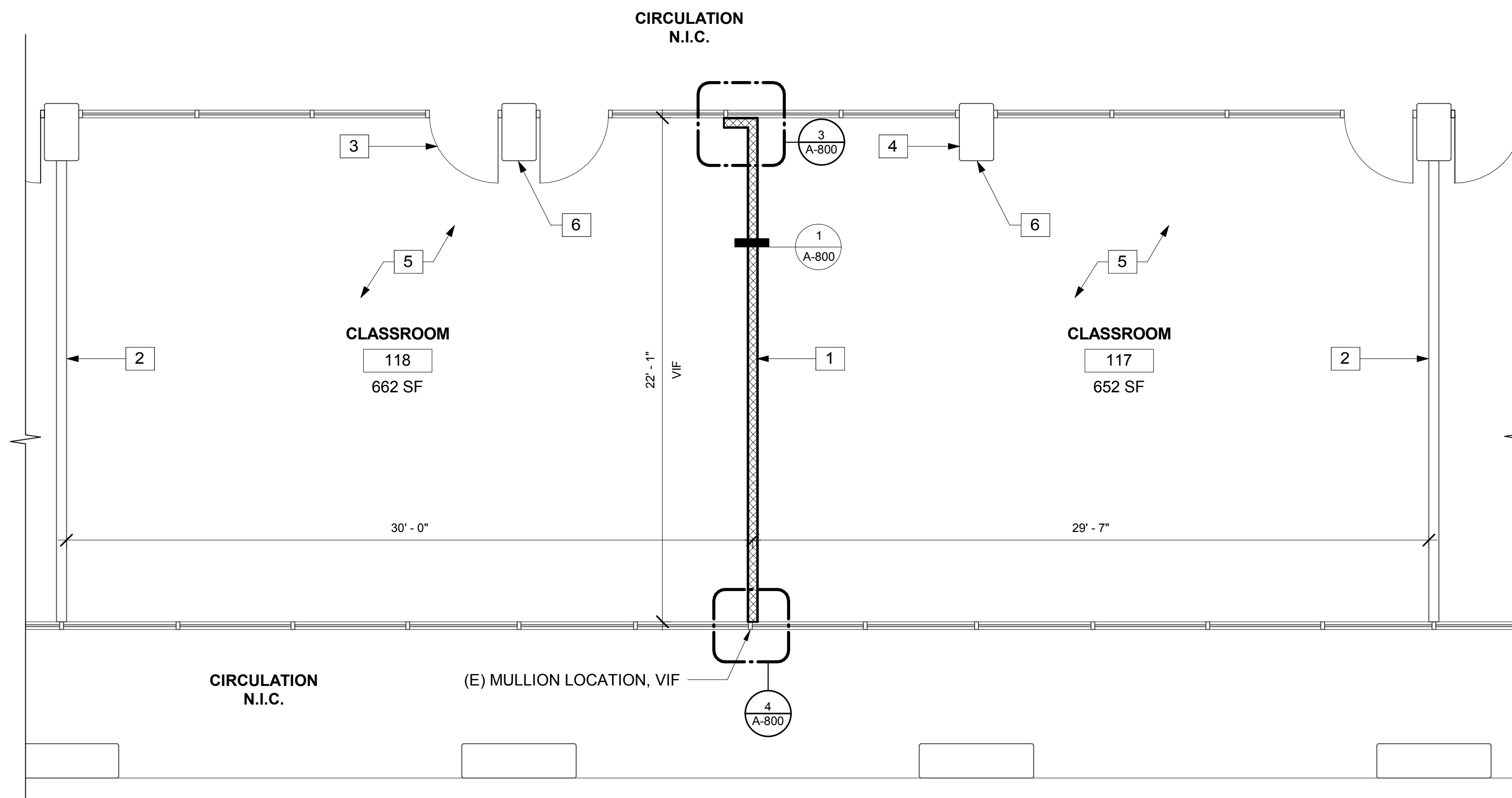
**A-200**



LEVEL 2 CL BLDG. PROPOSED

1/4" = 1'-0"

2



LEVEL 1 CL BLDG. PROPOSED

1/4" = 1'-0"

1

KEYNOTES

- 1 NEW PARTITION WALL PER DETAILS ON SHEET A-800 - TEXTURE AND PAINT TO MATCH EXISTING ADJACENT
- 2 EXISTING WALL TO REMAIN
- 3 EXISTING DOOR TO REMAIN, TYP. UNO
- 4 EXISTING COLUMN TO REMAIN, TYP. UNO
- 5 VINYL TILE FLOOR FINISH TO REMAIN - PATCH AND REPAIR AS NECESSARY
- 6 CONTRACTOR TO TOUCH UP PAINT AT DEMOLISHED WALL AT COLUMN LOCATIONS

CLIENT



Palo Verde Community College District  
1 College Drive  
Blythe, CA 92225

PROJECT NAME

Classroom / Lab Building  
Project 1  
1 College Drive  
Blythe, CA 92225

CONTRACTOR

DESIGNER



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CONSULTANTS

REGISTRATION STAMP



ISSUE

Mark	Date	Description

DESIGNER PROJECT NO.: 17008

DRAWN BY: NH

CHECKED BY: MS

SCALE:

DESIGN ITERATION

BID SET

WALL LEGEND

- EXISTING WALL
- NEW 4" METAL STUD WALL WITH 5/8" GYP BD BOTH SIDES

DATE

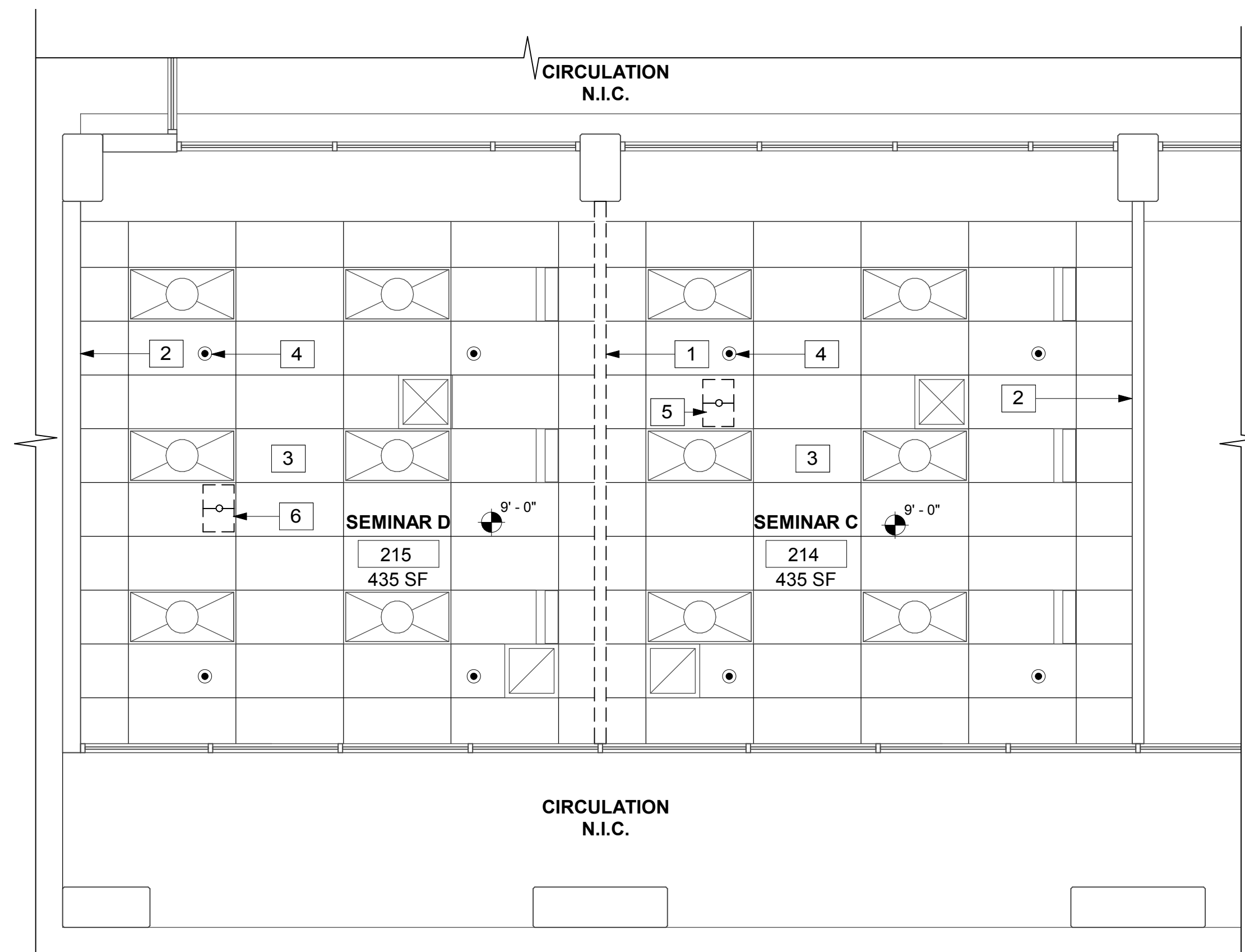
DATE: 06.01.17

SHEET TITLE

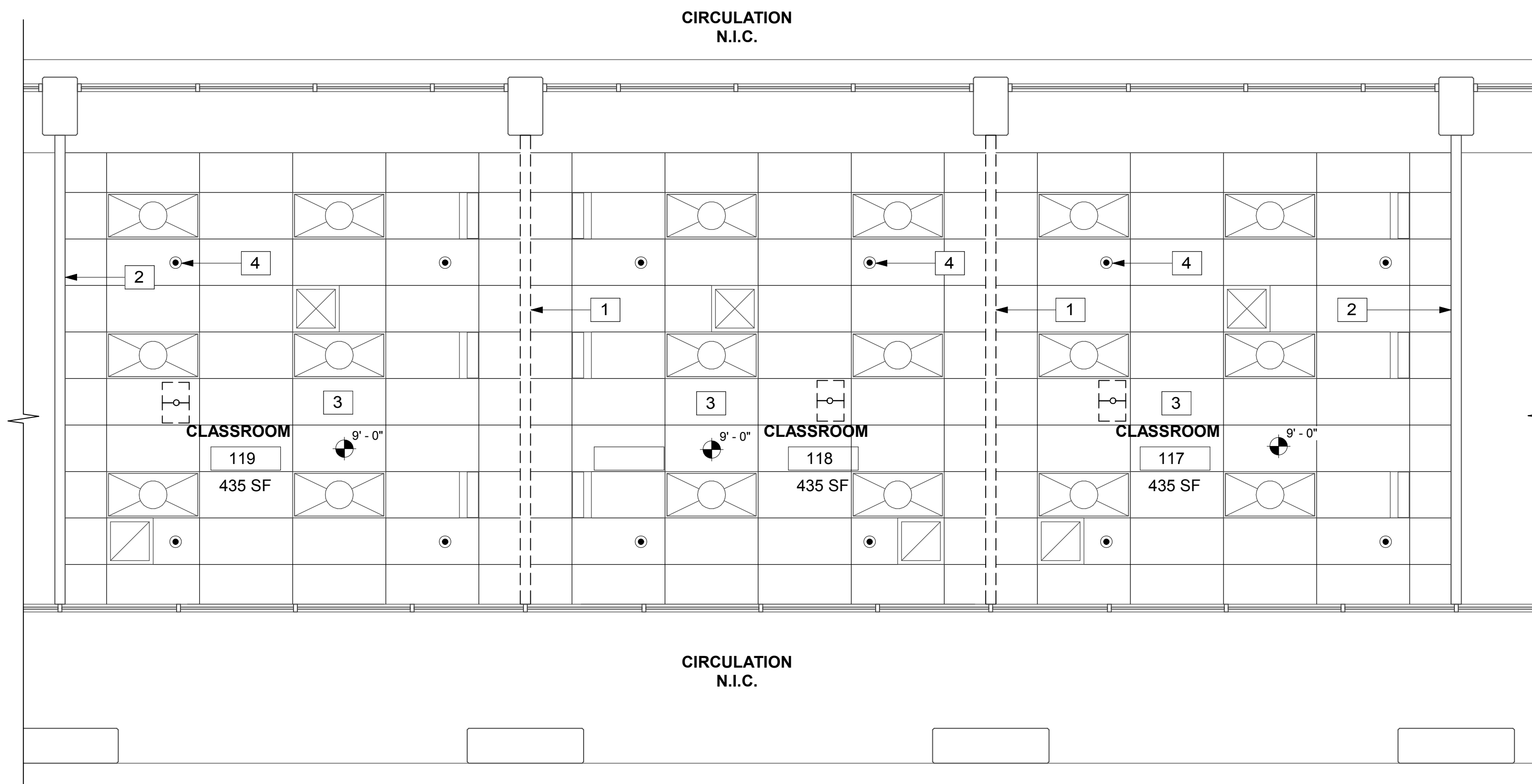
PROPOSED FLOOR PLANS

SHEET NUMBER

A-201



**Level 2 DEMO CEILING PLAN** ②  
1/4" = 1'-0"



**Level 1 DEMO CEILING PLAN** ①  
1/4" = 1'-0"

**KEYNOTES**

- 1 PARTITION WALL TO BE DEMOLISHED
- 2 EXISTING WALL TO REMAIN
- 3 CEILING AND ALL CEILING FIXTURES & EQUIPMENT TO REMAIN, UNO
- 4 EXISTING FIRE SPRINKLER HEADS TO REMAIN, UNO, TYP.
- 5 EXISTING PROJECTOR TO BE RELOCATED
- 6 EXISTING PROJECTOR TO BE REMOVED. PROTECT AND RELINQUISH TO PVC

CLIENT



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1 College Drive  
Blythe, CA 92225

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CONSULTANTS

REGISTRATION STAMP



ISSUE

Mark	Date	Description

DESIGNER PROJECT NO.: 17008

DRAWN BY: NH

CHECKED BY: MS

SCALE:

DESIGN ITERATION

BID SET

DATE

DATE: 06.01.17

SHEET TITLE

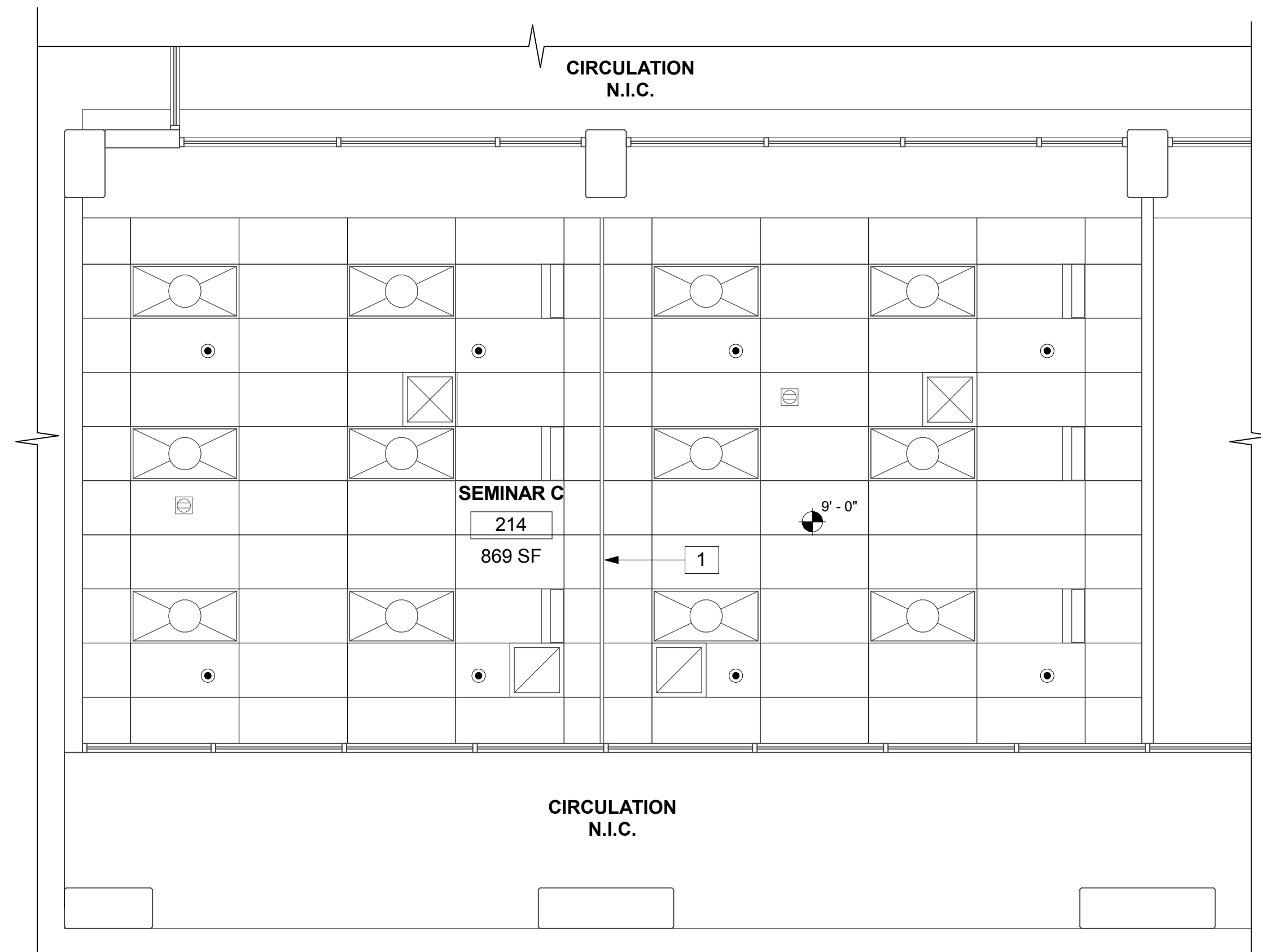
**DEMO CEILING PLANS**

SHEET NUMBER

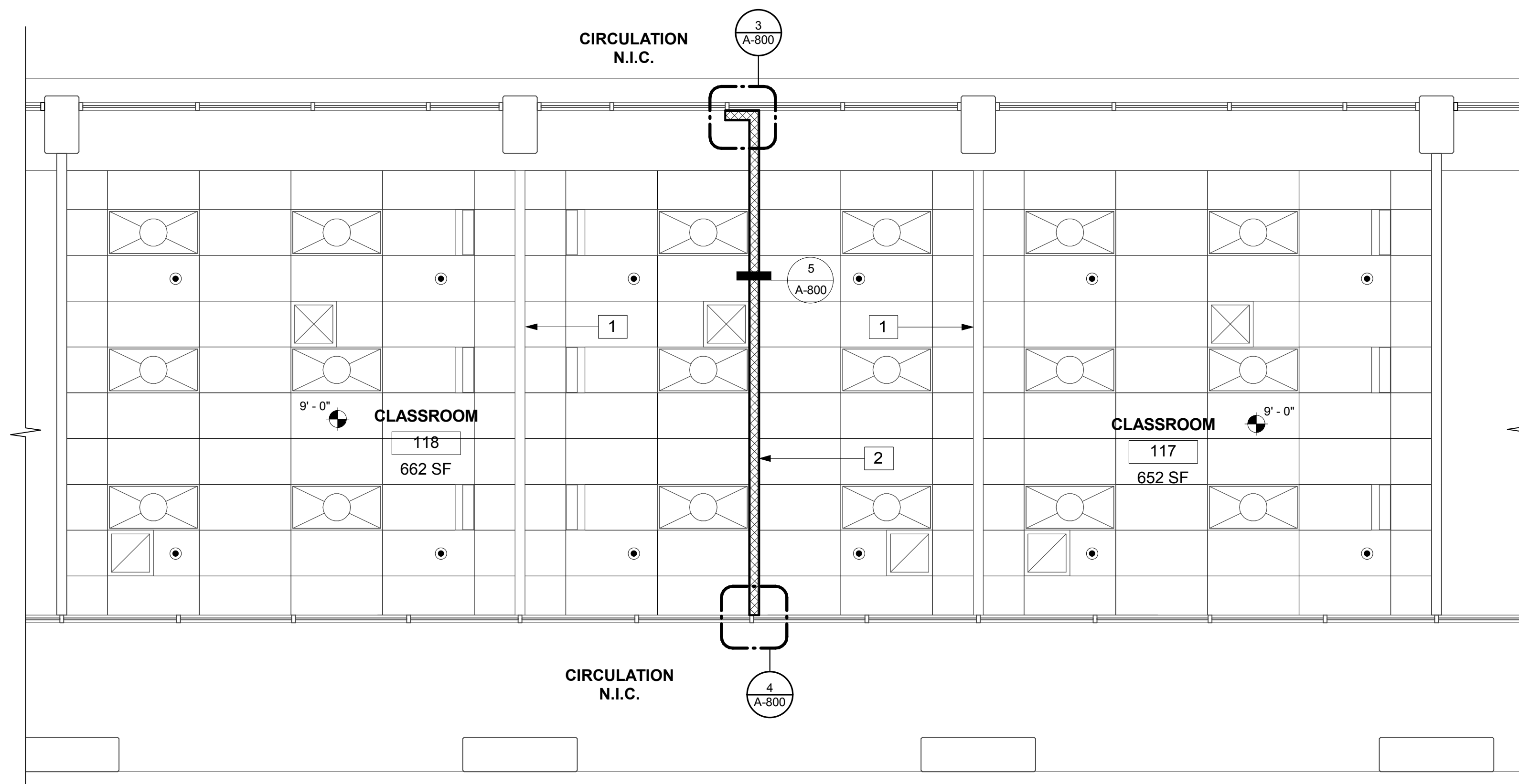
**A-202**

**DEMO LEGEND**

- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE DEMOLISHED
- EXISTING LIGHT FIXTURE TO REMAIN
- EXISTING MECH. REGISTER TO REMAIN
- EXISTING SPRINKLER TO REMAIN



**Level 2 PROPOSED CEILING PLAN** ②  
1/4" = 1'-0"



**Level 1 PROPOSED CEILING PLAN** ①  
1/4" = 1'-0"

**KEYNOTES**

- 1 NEW T-BAR GRID INFILL PIECE TO MATCH EXISTING CEILING GRID TYPE & COLOR
- 2 NEW PARTITION WALL PER DETAILS ON SHEET A-800 - TEXTURE AND PAINT TO MATCH EXISTING ADJACENT

CLIENT



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1 College Drive  
Blythe, CA 92225

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Blythe, CA 92225

CONTRACTOR

DESIGNER



CONSULTANTS

REGISTRATION STAMP



ISSUE

Mark	Date	Description

DESIGNER PROJECT NO.: 17008

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CHECKED BY: MS

SCALE:

DESIGN ITERATION

BID SET

DATE

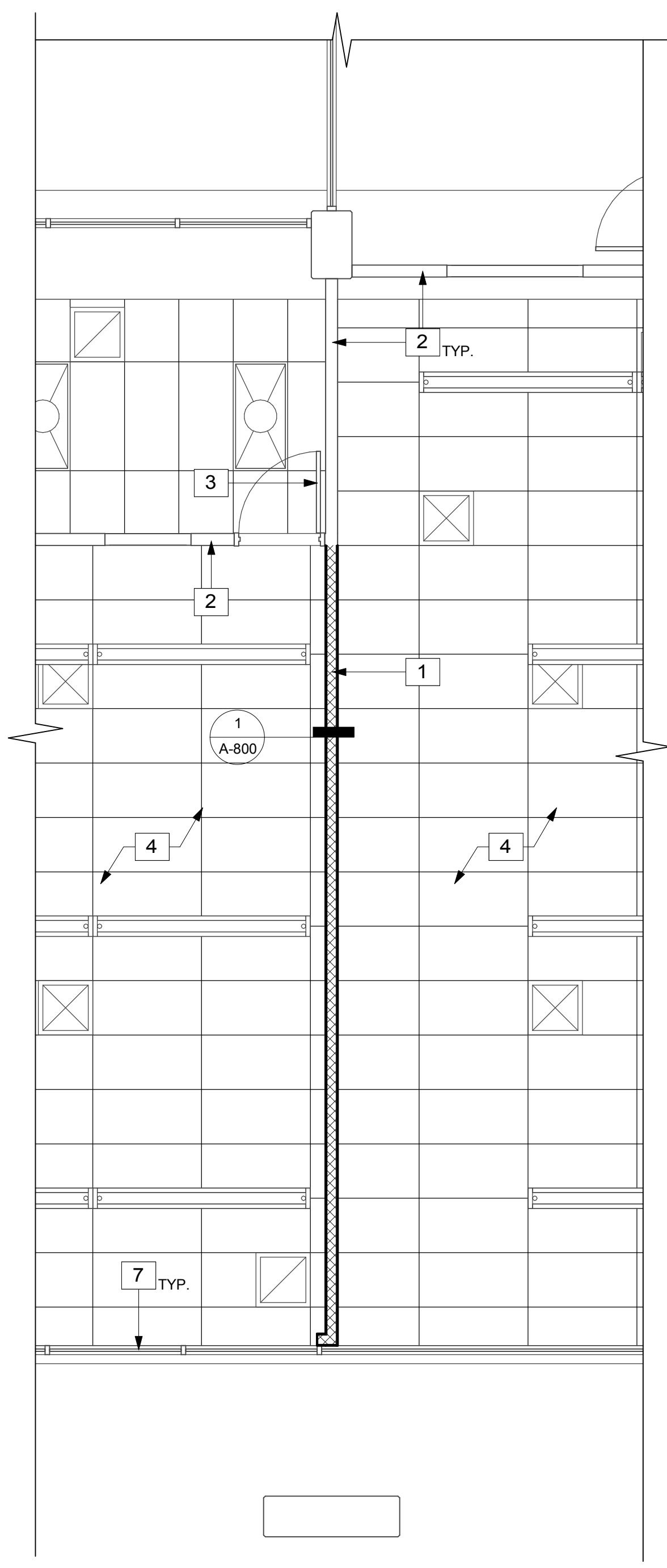
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SHEET TITLE

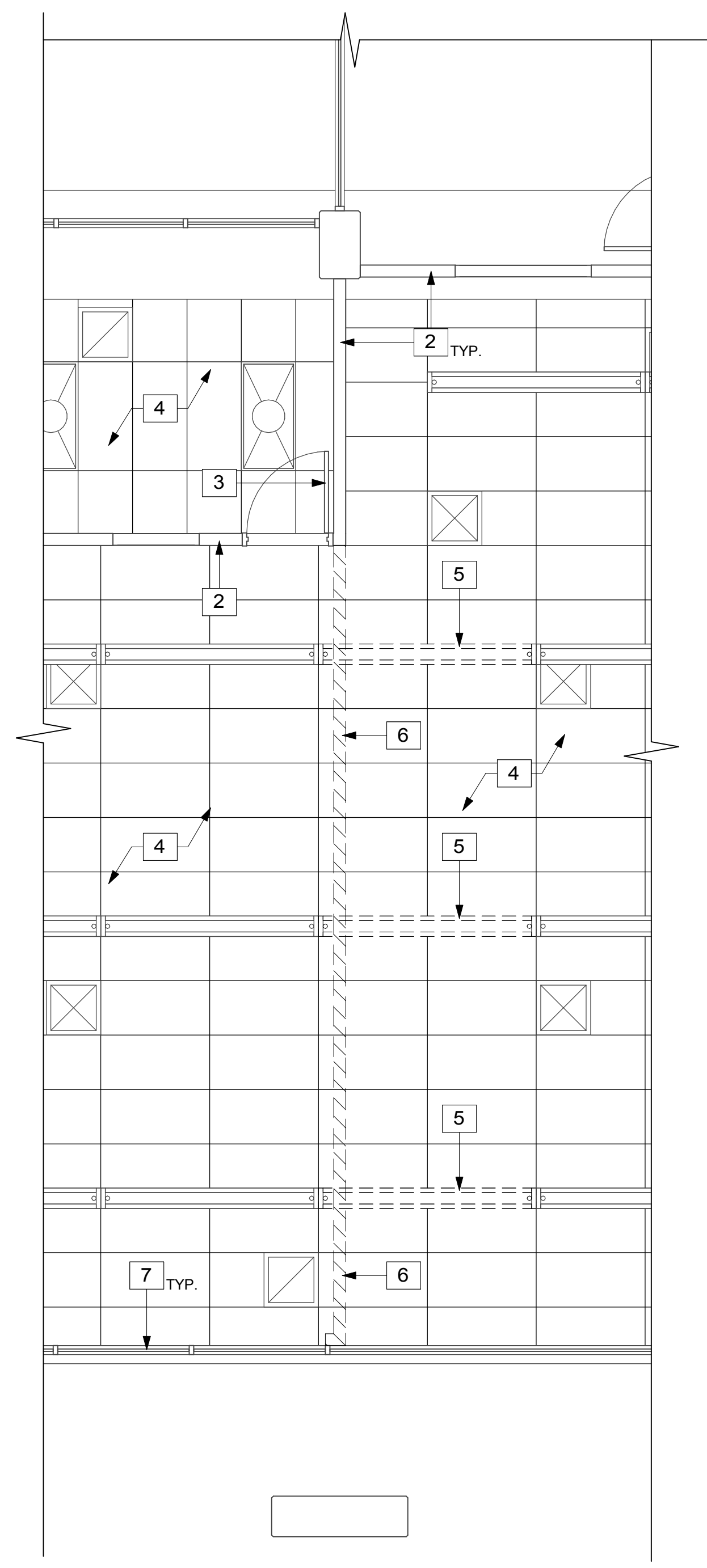
**PROPOSED  
CEILING PLANS**

SHEET NUMBER

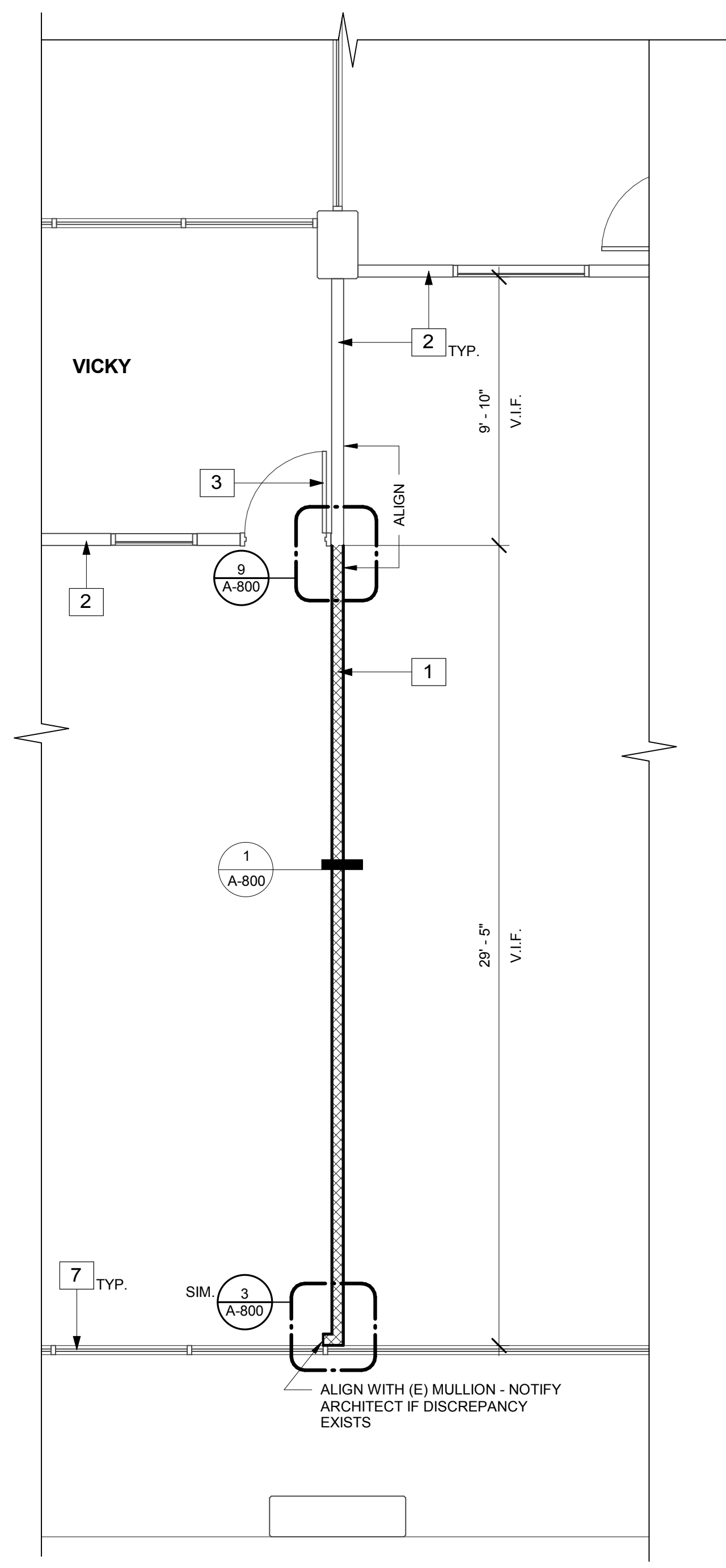
**A-203**



**Level 2 CS BLDG NEW CEILING PLAN** ①  
1/4" = 1'-0"



**Level 2 CS BLDG DEMO CEILING PLAN** ②  
1/4" = 1'-0"



**Level 2 CS BLDG NEW FLOOR PLAN** ③  
1/4" = 1'-0"

**KEYNOTES**

- ① NEW PARTITION WALL PER DETAILS ON SHEET A-800 - TEXTURE AND PAINT TO MATCH EXISTING ADJACENT
- ② EXISTING WALL TO REMAIN
- ③ EXISTING DOOR TO REMAIN, TYP. UNO
- ④ EXISTING CEILING AND ALL CEILING FIXTURES & EQUIPMENT TO REMAIN, UNO
- ⑤ EXISTING LIGHT FIXTURE TO BE REMOVED - RELINQUISH TO PVC
- ⑥ DEMOLISH PORTION OF EXISTING A.C.T. FOR NEW WALL
- ⑦ EXISTING STOREFRONT TO REMAIN

CLIENT



Palo Verde Community College District  
1 College Drive  
Blythe, CA 92225

PROJECT NAME

**Classroom / Lab Building**  
Project 1  
1 College Drive  
Blythe, CA 92225

CONTRACTOR

DESIGNER



CONSULTANTS

REGISTRATION STAMP



ISSUE

Mark	Date	Description

DESIGNER PROJECT NO.: 17008

DRAWN BY: Author

CHECKED BY: Checker

SCALE:

DESIGN ITERATION

BID SET

DATE

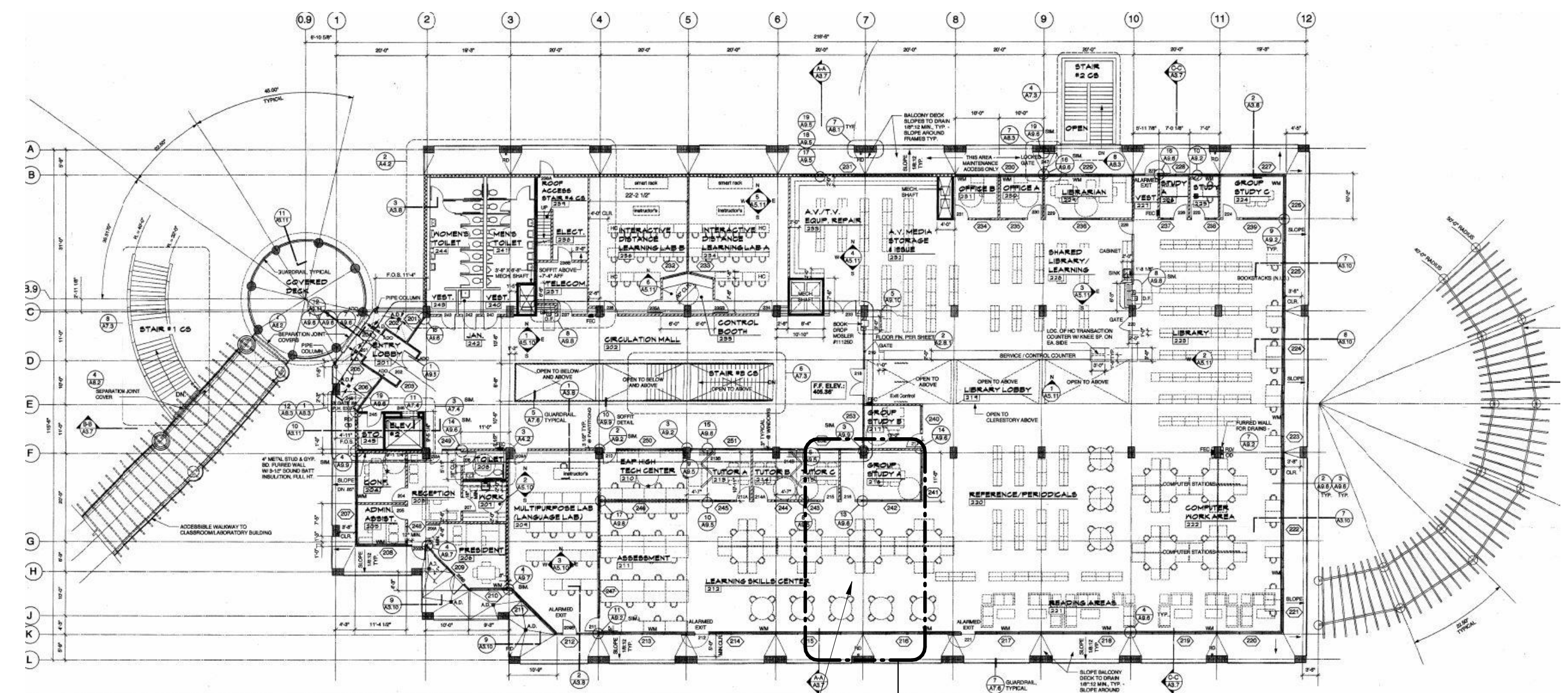
DATE: 06.01.17

SHEET TITLE

**CS BUILDING WALL PLANS**

SHEET NUMBER

**A-204**



**FOR REFERENCE ONLY**

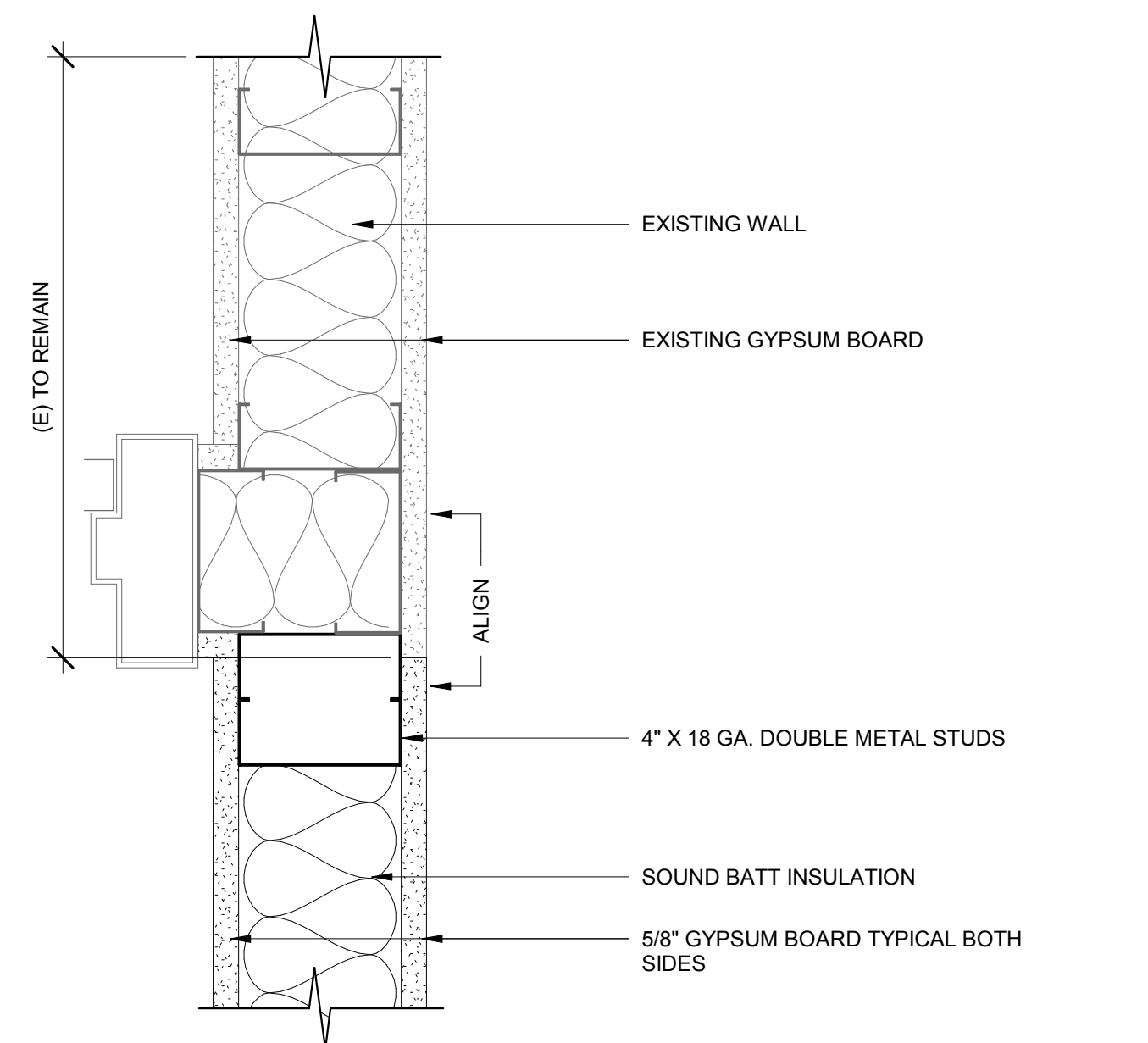
**DEMO LEGEND**

- EXISTING WALL TO REMAIN
- EXISTING ITEM TO BE DEMOLISHED

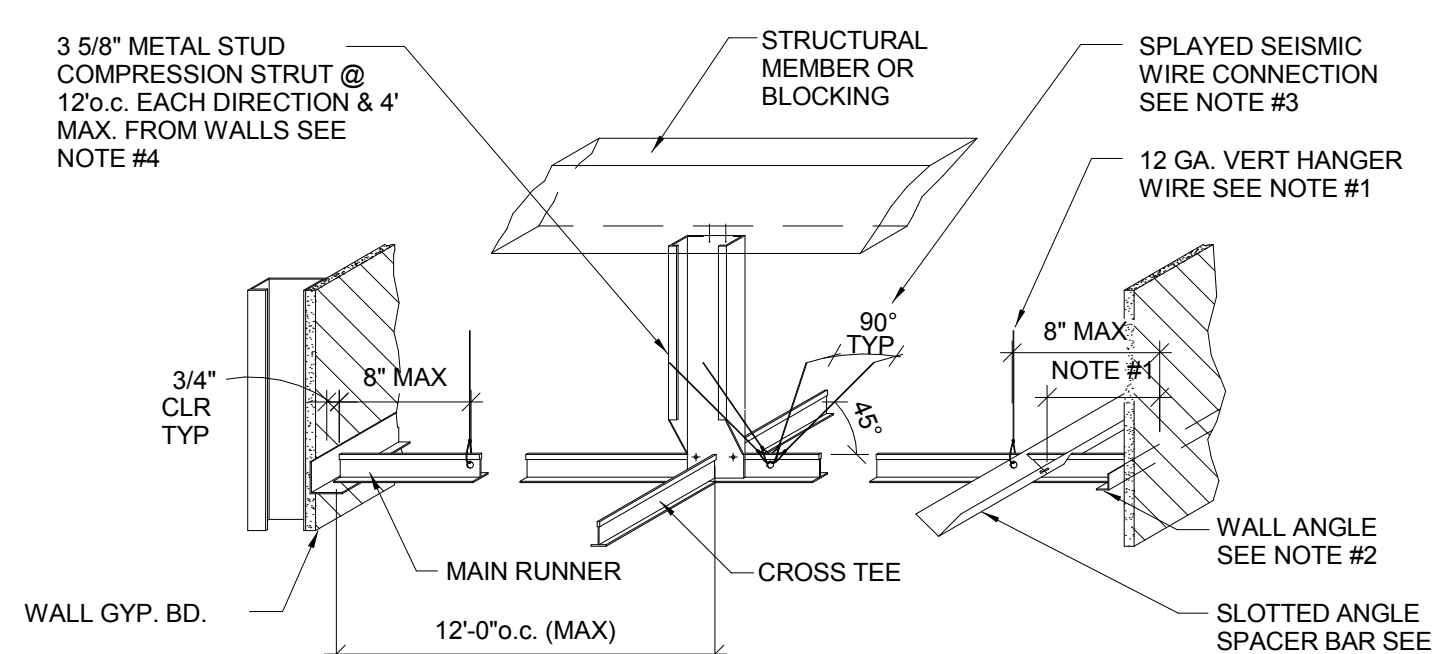
**WALL LEGEND**

- EXISTING WALL
- NEW 4" METAL STUD WALL WITH 5/8" GYP BD BOTH SIDES





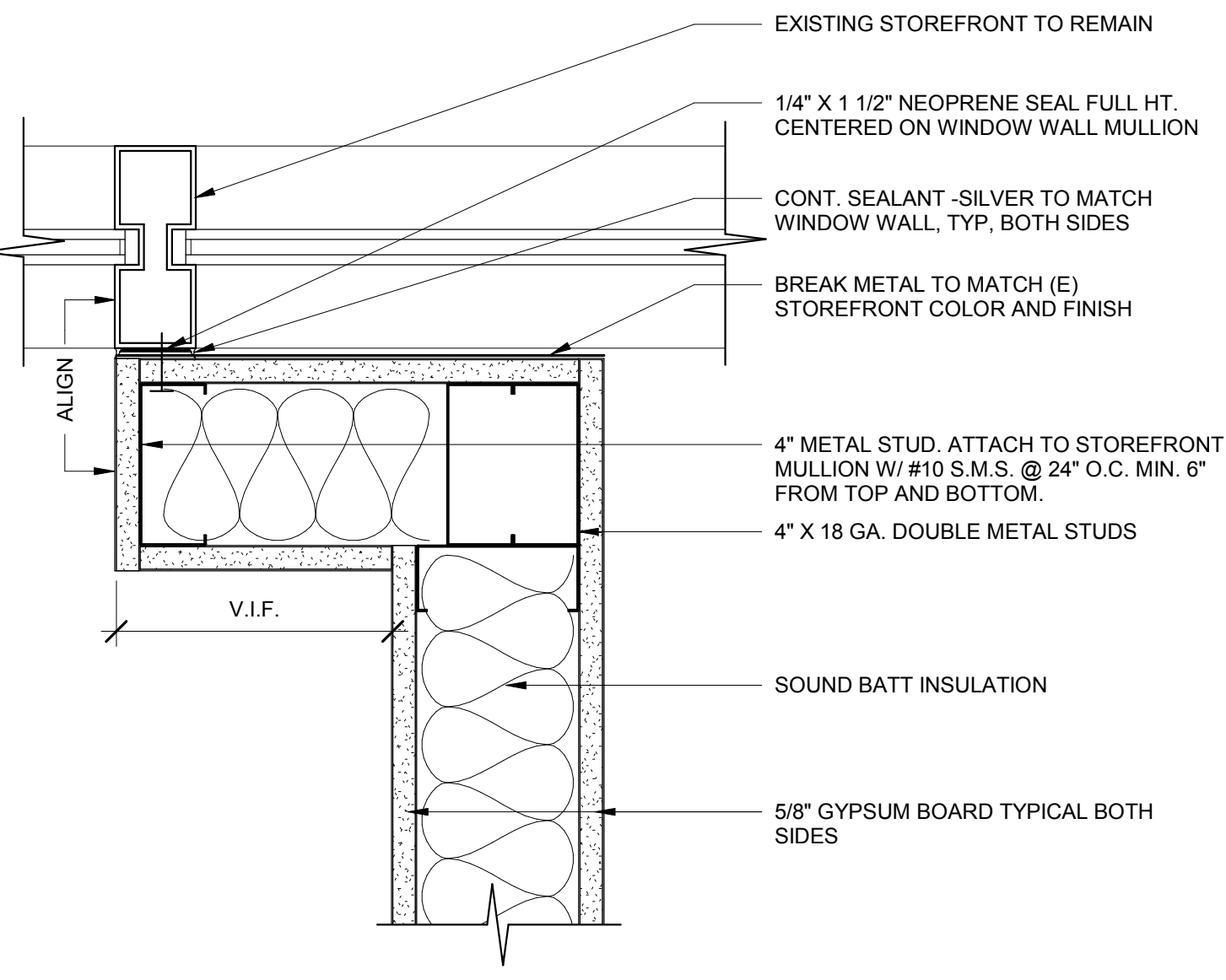
**INT. PARTITION WALL TO (E) WALL** 9  
3" = 1'-0"



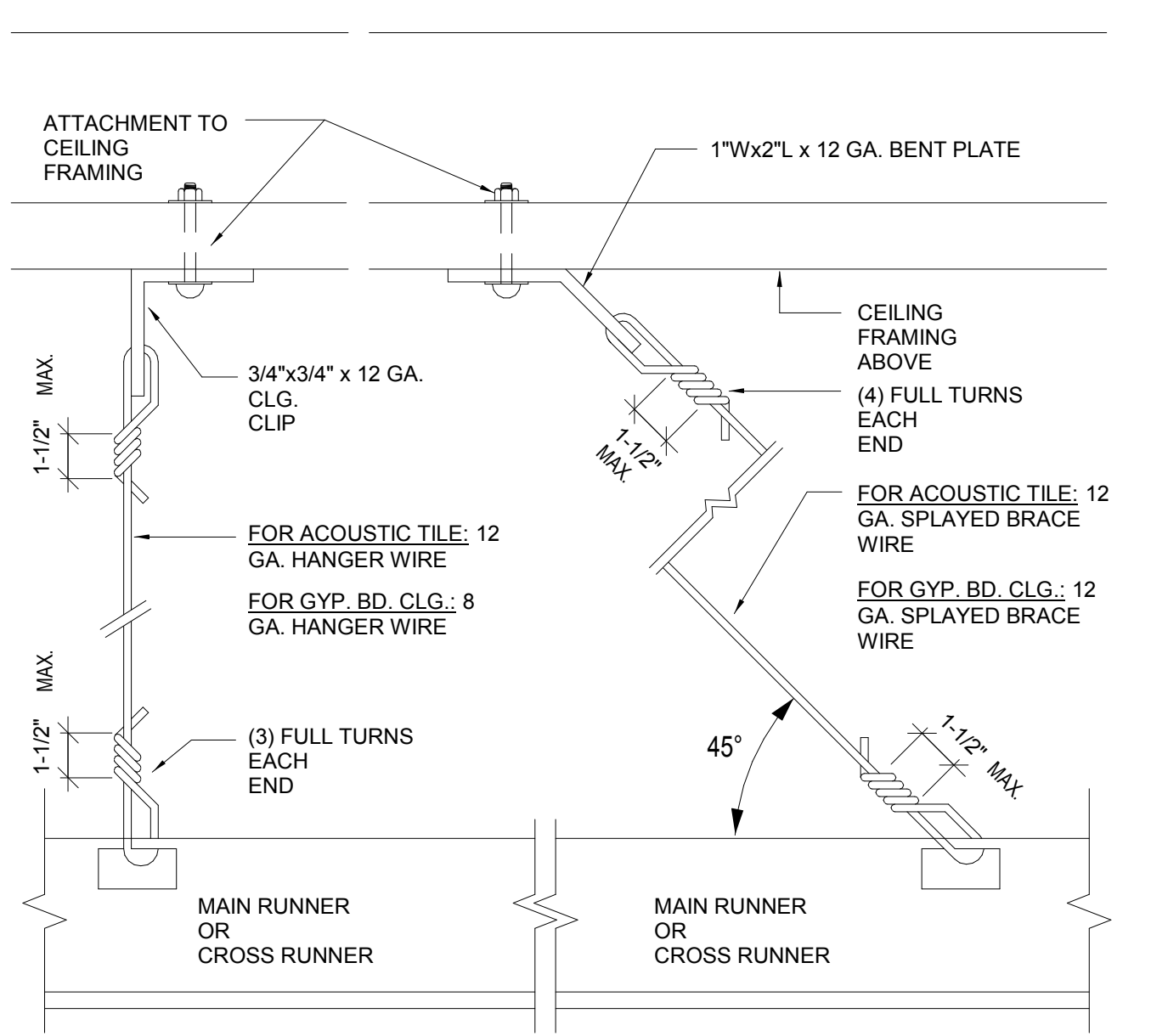
**SUSPENDED CEILING NOTES:**

- USE 12 GA. HANGER WIRE @ 48" O.C. (BOTH DIRECTIONS) w/ 3 (MIN) TIGHT TURNS WITHIN 12" OF WIRE ENDS TYP.
- 2"x2" WALL ANGLE TO BE ATTACHED TO EACH WALL STUD w/ TYPE S-12x1-1/4" PAN HEAD SCREW TYP.
- SPLAYED WIRE INSTALLATION IS TO CONSIST OF (4) 12 GA. WIRES ATTACHED TO THE MAIN RUNNER WITHIN 2" OF THE CROSS-RUNNER INTERSECTION. THE WIRES ARE TO BE SLOPED 90° FROM EACH OTHER AT AN ANGLE NOT EXCEEDING 45° FROM THE PLANE OF THE CEILING.
- THE COMPRESSION STRUT IS TO EXTEND FROM & FASTENED TO THE SUPPORTING STRUCTURAL MEMBERS, IS ATTACHED TO THE MAIN RUNNER. THE STRUT MUST BE ABLE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE SPLAYED SEISMIC WIRES.
- ANGLE SLOTTED SPACER BARS ARE TO BE PLACED WITHIN 1/4" OF HORIZONTAL CROSS TEE RUN ATTACHED w/ 6 RINGSHANK NAIL HORIZONTALLY w/ HEAD IN LINE WITH ANGLE DIRECTION.
- ALL SUSPENDED LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY BY NOT LESS THAN ONE WIRE AT EACH CORNER BY 12 GA. WIRE ATTACHED TO THE STRUCTURE ABOVE.

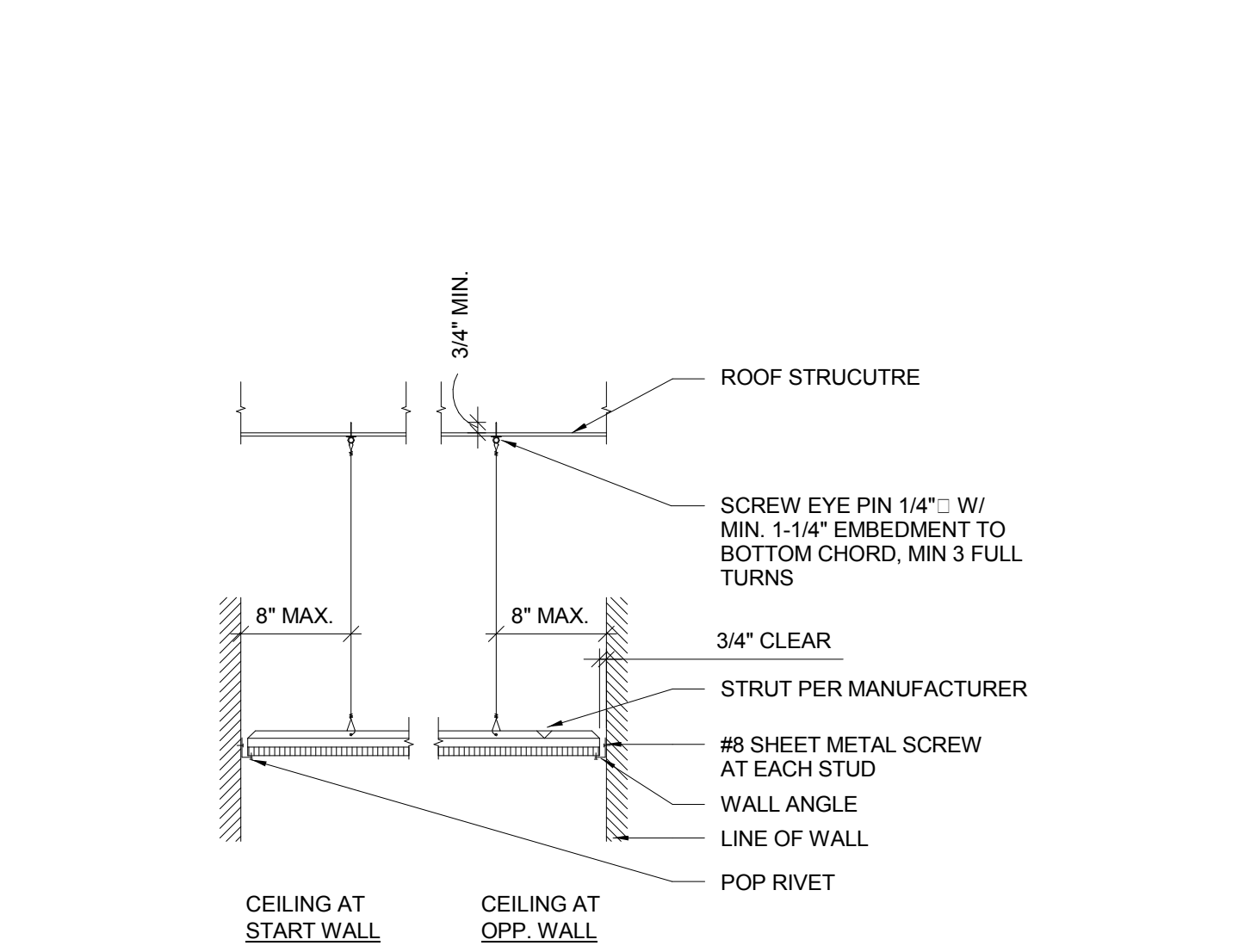
**ACOUSTICAL DROPPED CEILING** 6  
1" = 1'-0"



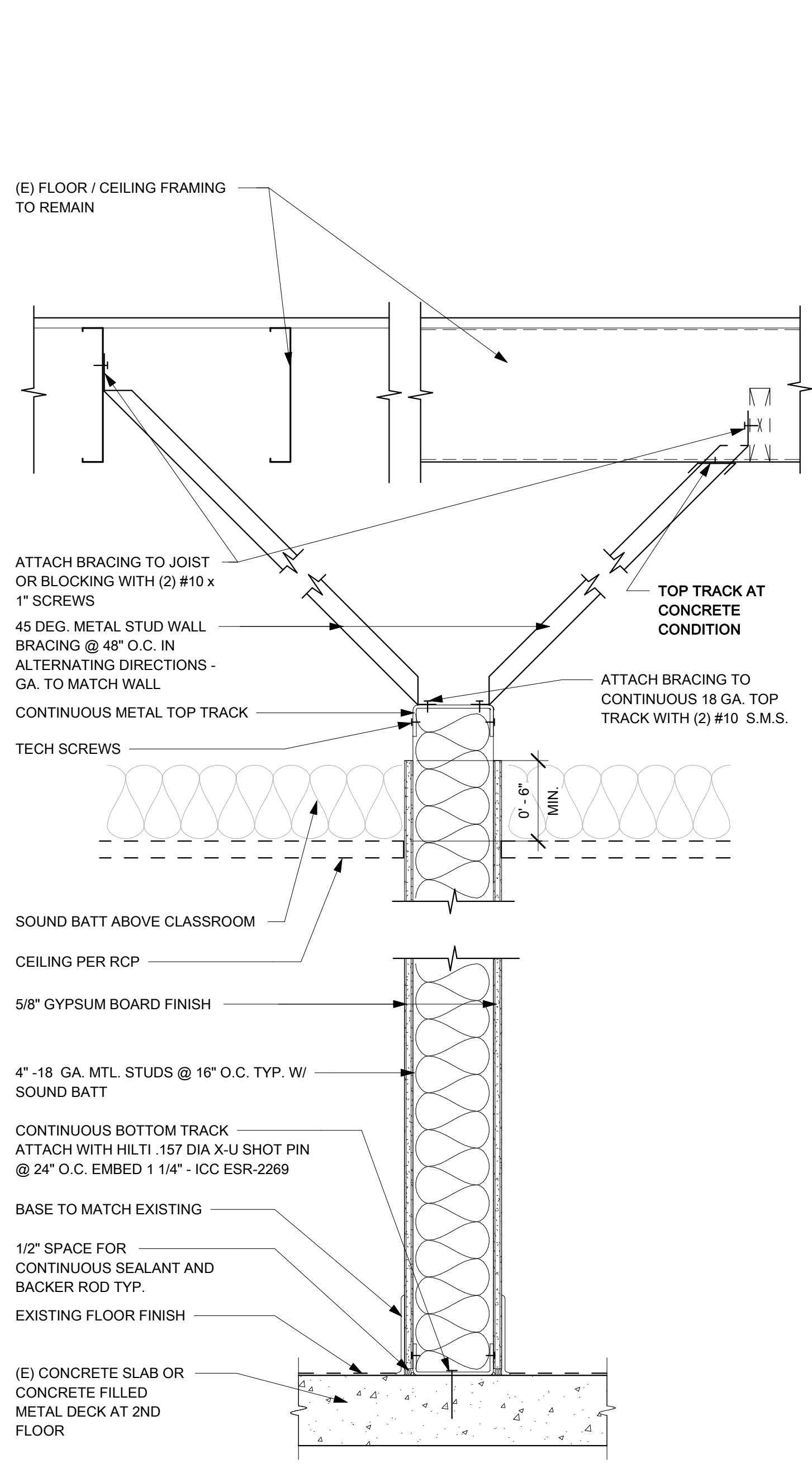
**INT. PARTITION WALL TO STOREFRONT MULLION 2** 3  
3" = 1'-0"



**SUPPORT WIRE ANCHORAGE** 8  
3" = 1'-0"



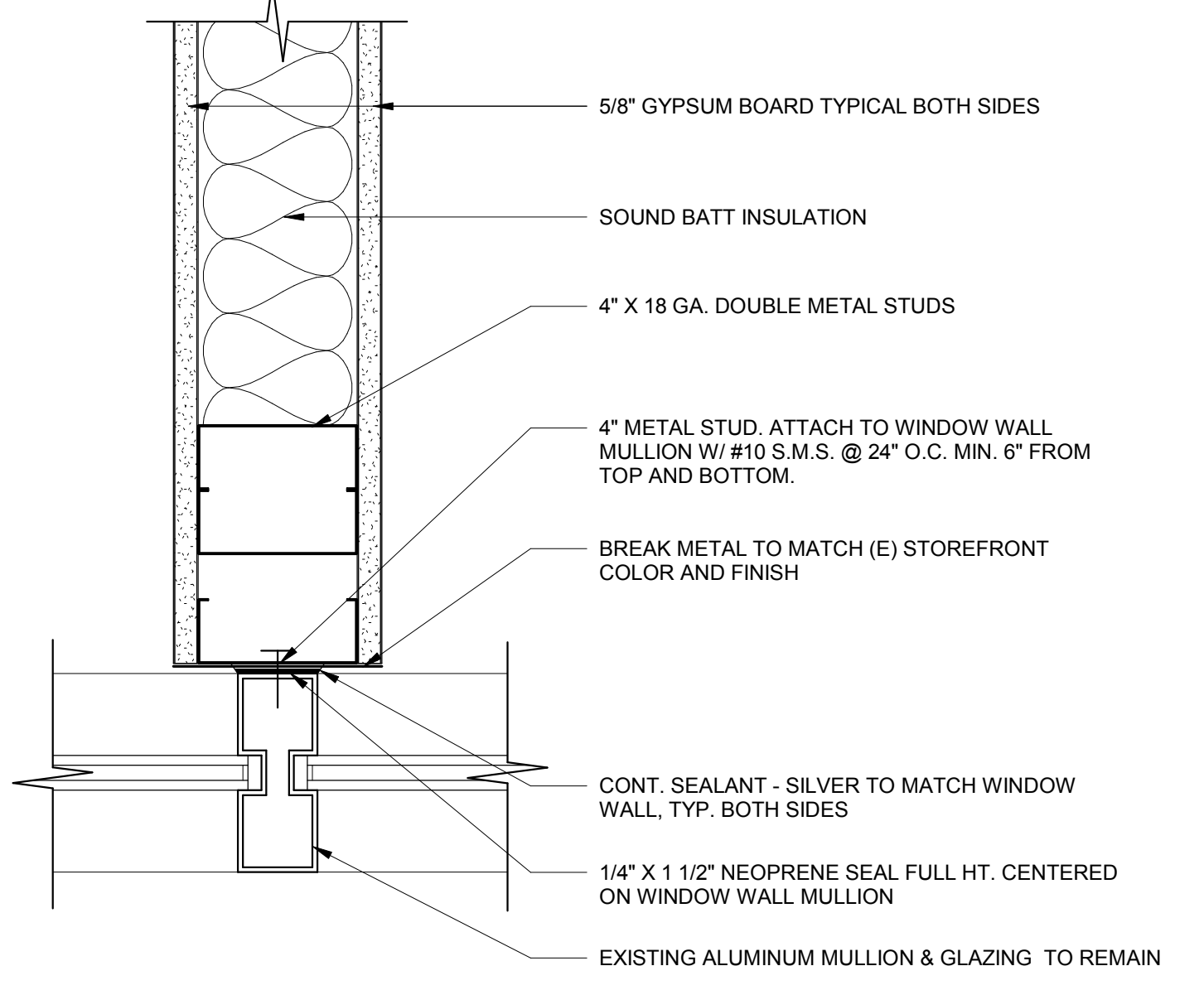
**CLNG PERIMETER** 5  
1" = 1'-0"



**TYPICAL INT. PARTITION WALL PARTIAL HEIGHT** 1  
1 1/2" = 1'-0"

- 12 GA. HANGER WIRES WILL BE USED FOR 4'-0" X 4'-0" GRID SPACING ALONG MAIN RUNNERS. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED.
- PROVIDE 12 GA. HANGER WIRES WITHIN 8 INCHES (8") OF ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICH EVER IS LEAST FOR THE PERIMETER OF THE CEILING AREA.
- PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTER-SLOPING WIRES.
- CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2" INCH FREE OF OTHER WALLS.
- AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA. WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNER MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
- PROVED SETS OF 4-12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT NOT MORE THAN 12 FEET BY 12 FEET ON CENTER. PROVIDE BRACING WIRES AT LOCATIONS NOT MORE THAN 1/2" THE REQUIRED SPACING FROM EACH PERIMETER WALL AND FROM THE
- EDGE OF VERTICAL CEILING OFFSETS. THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM A HORIZONTAL PLANE AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. COMPRESSION STRUTS ATTACHED TO THE CEILING AND THE STRUCTURE SHALL BE PROVIDED AT BRACING POINTS. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL APPROVAL.
- FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN BRACING WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1-1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
- SEPARATE ALL CEILING HANGING AND BRACING WIRES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC. BY A MINIMUM OF 6 INCHES. IT IS ACCEPTABLE TO ATTACH LIGHTWEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTIONS ACCEPTABLE TO CITY STANDARDS.
- ATTACH ALL LIGHT FIXTURES TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
- AIR TERMINALS OR SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION THEY MUST HAVE A MINIMUM OF 2-12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. PROVIDE 2 SCREWS TO MAIN GRID AT AIR TERMINALS AND 4 SCREWS FOR ELECTRICAL LIGHT FIXTURES.
- ALL FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING MORE THAN 56 POUNDS MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN 4-12 GA. TAUT WIRES ATTACHED TO THE STRUCTURE ABOVE REGARDLESS OF THE TYPE OF CEILING GRID SYSTEM USED.
- THE 4-12 GA. TAUT WIRES INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE MUST BE CAPABLE OF SUPPORTING 4 TIMES THE WEIGHT OF THE UNIT.
- ALL FIXTURES AND AIR TERMINALS OR SERVICES SUPPORTED ON INTERMEDIATE DUTY GRID SYSTEMS MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN 4 TAUT 12 GA. WIRES ATTACHED TO THE STRUCTURE ABOVE.
- SUPPORT SURFACE MOUNTED LIGHT FIXTURES BY AT LEAST TWO POSITIVE DEVICES WHICH SURROUND THE CEILING RUNNER AND WHICH ARE SUPPORTED FROM THE STRUCTURE ABOVE BY A 12 GA. WIRE. SPRING CLIPS OR CLAMPS THAT CONNECT ONLY TO THE RUNNER ARE NOT ACCEPTABLE.
- CLASSIFICATION OF CEILING GRID IS: HEAVY DUTY, CHICAGO METALLIC, SERIES 1200, 2 x 4 GRID.
- ALL SUSPENSION WIRE IS 12 GA. GALV. SOFT-ANNEALED MILD STEEL WIRE.
- WHEN DRILLED-IN CONC. ANCHORS OR SHOT-IN ANCHORS ARE USED FOR HANGER WIRES, 1 OUT OF 10 MUST BE FIELD TESTED FOR 200 LBS. OF TENSION. WHEN DRILLED-IN CONC. ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 MUST BE FIELD TESTED FOR 440 LBS. IN TENSION. IF ANY SHOT-IN OR DRILLED-IN ANCHOR FAILS, ALL ADJACENT ANCHORS MUST BE TESTED.
- ALL WOOD SCREWS TO BE #10 X 3" TYP.

**ACOUSTIC CEILING NOTES** 7  
1 1/2" = 1'-0"



**INT. PARTITION WALL TO STOREFRONT MULLION** 4  
3" = 1'-0"

CLIENT

**PALO VERDE COLLEGE**  
WHERE KNOWLEDGE TAKES ROOT AND OPPORTUNITY GROWS

Palo Verde Community College District  
1 College Drive  
Blythe, CA 92225

PROJECT NAME

**Classroom / Lab Building**  
Project 1  
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CONTRACTOR

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CONSULTANTS

REGISTRATION STAMP

**SEAL OF ARCHITECT**  
SILLMAN WRIGHT  
C-18627  
DATE OF CALIFORNIA

ISSUE

Mark	Date	Description

DESIGNER PROJECT NO.: 17008  
DRAWN BY: NH  
CHECKED BY: MS  
SCALE: As indicated  
DESIGN ITERATION

**BID SET**

DATE  
**DATE: 06.01.17**

SHEET TITLE  
**DETAILS**

SHEET NUMBER  
**A-800**

AIR DISTRIBUTION DEVICE SCHEDULE									
MARK	MANUFACTURER & MODEL	SERVICE	NECK SIZE	CFM	FACE SIZE	CEILING TYPE	TYPE	FINISH	REMARKS
A	TITUS MCD	SUPPLY	8"	0 - 200	24x24	LAY-IN	MODULAR CORE ADJUSTABLE DIFFUSER	OFF-WHITE	4-WAY THROW UNLESS NOTED OTHERWISE.
			10"	201 - 380					
			12"	381 - 610					
B	TITUS PAR	RETURN	MATCH DUCT INLET SIZE	AS NOTED ON PLANS	24x24	LAY-IN	PERFORATED RETURN GRILLE	OFF-WHITE	-

EXISTING VAV WITH REHEAT BOX					
MARK	MANUFACTURER & MODEL NO.	OUTLET SIZE	CFM		REMARKS
			MAX	MIN	
(E) VRB-38	TURTLE & BAILEY SDV-08	08	750	225	EXISTING VAV BOX IS TO BE REUSED AND REBALANCE TO NEW CFM NOTED.
(E) VRB-40	TURTLE & BAILEY SDV-08	08	750	225	EXISTING VAV BOX IS TO BE REUSED AND REBALANCE TO NEW CFM NOTED.

## HVAC GENERAL NOTES

- CONTRACTOR SHALL CAREFULLY REVIEW THESE PLANS AND SPECIFICATIONS PRIOR TO BID. CONTRACTOR SHALL ALSO REVIEW PLANS AND SPECIFICATIONS OF OTHER RELATED TRADES (INCLUDING CIVIL, STRUCTURAL, AND ELECTRICAL) PRIOR TO BID TO ENSURE AN ACCURATE UNDERSTANDING OF EXACT SCOPE OF WORK. ANY ITEMS REQUIRING CLARIFICATION SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN SUFFICIENT TIME TO BE INCORPORATED INTO THE BID.
- CONTRACTOR SHALL VERIFY ALL EQUIPMENT MODEL NUMBERS, CAPACITIES, SIZES, VOLTAGES, AND ALL OTHER SCHEDULED INFORMATION WITH ALL OTHER APPLICABLE TRADES AND WITH THE MANUFACTURER PRIOR TO INSTALLATION.
- CONTRACTOR SHALL VERIFY ALL LOCATIONS, SIZES, P.O.C.'S, AND AVAILABILITY OF ALL EXISTING ITEMS (I.E.: OUTSIDE AIR, CWS & CWR, EXHAUST ETC.) PRIOR TO INSTALLATION OF ANY MATERIAL OR EQUIPMENT.
- THESE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ARE NOT INTENDED TO INDICATE ALL NECESSARY OFFSETS OF DUCTWORK AND PIPING. THE CONTRACTOR SHALL INSTALL MATERIAL AND EQUIPMENT IN A MANNER AS TO CONFORM TO STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE HEADROOM, AND KEEP OPENINGS AND PASSAGEWAYS CLEAR. ALL INSTALLATIONS SHALL BE CONSISTENT WITH NORMALLY ACCEPTABLE INDUSTRY STANDARDS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES OR CONFLICTS THAT WOULD AFFECT THE SYSTEM PERFORMANCE OR WHICH WOULD INCUR ADDITIONAL COSTS. THIS NOTIFICATION SHALL BE MADE PRIOR TO THE INSTALLATION OF THE ITEMS CONCERNED.
- NEW AND/OR EXISTING EQUIPMENT INDICATED ON THIS DRAWING IS SHOWN IN APPROXIMATE POSITION(S). CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS INCLUDING EQUIPMENT LOCATIONS, P.O.C.'S AND STRUCTURAL MEMBERS PRIOR TO INSTALLATION. IN ALL CASES, ADEQUATE ACCESS (PER MANUFACTURER'S RECOMMENDATIONS AND CODE COMPLIANCE) FOR MAINTENANCE AND REPLACEMENT OF EQUIPMENT SHALL BE PROVIDED.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE CODES. NOTHING SHOWN IN THE PLANS OR STATED IN THE SPECIFICATIONS IS INTENDED TO INDICATE THAT THE INSTALLATION OF CONNECTIONS OF ANY ITEM OR DEVICE SHOULD BE DONE CONTRARY TO THE MANUFACTURER'S INSTRUCTIONS AND ALL APPLICABLE CODES AND REGULATIONS. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE INSTALLATION AND CONNECTIONS OF ALL ITEMS AND DEVICES CONFORM TO MANUFACTURER'S INSTRUCTIONS AND TO ALL APPLICABLE CODES AND REGULATIONS.
- ALL HVAC EQUIPMENT, MATERIAL, AND ALL CONNECTION THERETO SHALL BE INSTALLED COMPLETE PER MANUFACTURER'S INSTRUCTIONS TO PROVIDE A COMPLETE AND FULLY OPERATIONAL SYSTEM.
- DUCT SIZES INDICATED ON DRAWINGS ARE INSIDE NET CLEARANCE DIMENSIONS.
- CONTRACTOR MAY, AT HIS OPTION, REVISE DUCTWORK SIZING AND ROUTING TO ALLOW FOR INSTALLATION IN THE AVAILABLE SPACE. DUCTWORK THAT IS RESIZED MUST MAINTAIN THE SAME CROSS-SECTIONAL AREA. FLEX DUCT IS LIMITED TO A MAXIMUM OF 7' AT EACH REGISTER.
- ALL NEW SUPPLY, RETURN, AND EXHAUST (AIR DISTRIBUTION) GRILLES, REGISTERS, AND DIFFUSERS SHALL MATCH (IF APPLICABLE) EXISTING, AND BE APPROVED BY ARCHITECT. THE MAXIMUM NOISE NC LEVEL SHALL BE 35.
- ALL SUPPLY, RETURN, AND EXHAUST REGISTER CONNECTIONS TO DUCTWORK SHALL BE PROVIDED WITH ACCESSIBLE MANUAL VOLUME DAMPERS. ALTERNATIVELY, ACCESSIBLE MANUAL VOLUME DAMPERS MAY BE PROVIDED IN DUCT WORK FEEDER LINES SERVING INDIVIDUAL REGISTERS.
- SUBSTITUTION OF HVAC EQUIPMENT WITH EFFICIENCIES LOWER THAN THOSE INDICATED ON THE PLANS MAY REQUIRE RECALCULATION OF TITLE 24 DOCUMENTS. IF THE CONTRACTOR CHOOSES TO UTILIZE SUCH EQUIPMENT, HE ASSUMES FULL RESPONSIBILITY FOR THE RECALCULATION AND JURISDICTIONAL APPROVAL OF TITLE 24 DOCUMENTS.
- IF THE CONTRACTOR'S USE OF SUBSTITUTE MATERIALS, EQUIPMENT, OR METHODS OF INSTALLATION REQUIRES ANY CHANGES IN OTHER TRADES' WORK FROM THAT SHOWN ON THE DRAWINGS, THE EXTRA COST OF THE OTHER TRADES WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR INITIATING THE SUBSTITUTION.
- SUBMITTALS: APPROVAL OF SUBMITTALS DOES NOT RELEASE THE CONTRACTOR FROM OBLIGATIONS TO COMPLY WITH ALL REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS OR APPLICABLE CODE REGULATIONS.
- WHERE NONMETALLIC PIPING PENETRATES AREA SEPARATION WALLS, THE PIPE SECTION PASSING THROUGH THE WALLS AND THE FIXTURE CONNECTIONS THERETO SHALL BE OF METAL ONLY.
- NO RANGE HOODS, DRYER VENTS, COMBUSTION VENTS, OR HEATING DUCTS ARE PERMITTED IN AREA SEPARATION WALLS.
- A. CONTRACTOR TO VERIFY LOCATION OF FIRE AND FIRE/SMOKE BARRIER WALLS WITH ARCHITECT PRIOR TO FIRE AND/OR SMOKE DAMPER, DETECTOR AND ACTUATOR INSTALLATION.
- B. ALL CEILING FIRE DAMPERS TO BE ONE (1) HOUR U.L. AND C.S.F.M. APPROVED.
- C. ALL FIRE RATED WALLS SHALL BE PROVIDED WITH U.L. AND C.S.F.M. APPROVED SMOKE/FIRE DAMPERS (EQUAL TO WALL RATING), MOTOR, ACTUATOR, AND SMOKE DETECTOR.
- D. ALL SMOKE BARRIER WALLS SHALL BE PROVIDED WITH U.L. AND C.S.F.M. APPROVED SMOKE/FIRE DAMPERS (EQUAL TO WALL RATING), MOTOR, ACTUATOR, AND SMOKE DETECTOR.
- E. ALL PENETRATIONS OF ONE (1) HOUR CORRIDOR WALLS AND CEILINGS THAT WOULD REQUIRE THE INSTALLATION OF A FIRE DAMPER SHALL BE APPROVED WITH A U.L. AND C.S.F.M. APPROVED COMBINATION SMOKE/FIRE DAMPER, (EQUAL TO WALL RATING), MOTOR, ACTUATOR, AND SMOKE DETECTOR.
- F. PROVIDE ALL FIRE & SMOKE DAMPERS WITH ACCESS DOORS AS NECESSARY.

## LEGEND

SYMBOL	ABBR.	DESCRIPTION
	POC	POINT OF CONNECTION
	POD	POINT OF DISCONNECTION
		REMOVE EXIST. EQUIP. OR PIPES SHOWN HATCHED
		DUCT RISE / DUCT DROP
		DUCT WITH SOUND INSULATION/LINING
		ROOM THERMOSTAT & ZONE NUMBER/TEMP SENSOR
	CWS	CONDENSER WATER SUPPLY
	CWR	CONDENSER WATER RETURN
	CHWS	CHILLED WATER SUPPLY
	CHWR	CHILLED WATER RETURN
	HHWS	HEATING HOT WATER SUPPLY
	HHWR	HEATING HOT WATER RETURN
	MVD	MANUAL VOLUME DAMPER
	M	FURNISHED & INSTALLED BY MECHANICAL
	ME	FURNISHED BY MECHANICAL INSTALLED BY ELECTRICAL
	E	FURNISHED & INSTALLED BY ELECTRICAL
		DIFFUSER/REGISTER
		TYPE AIR QUANTITY (C.F.M.)
		EQUIPMENT TAG
		TYPE EQUIPMENT NUMBER

CLIENT

**PALO VERDE COLLEGE**  
WHERE KNOWLEDGE TAKES ROOT AND OPPORTUNITY GROWS

Palo Verde Community College District  
1 College Drive  
Blythe, CA 92225

PROJECT NAME

Classroom / Lab Building  
Project 1  
1 College Drive  
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CONTRACTOR

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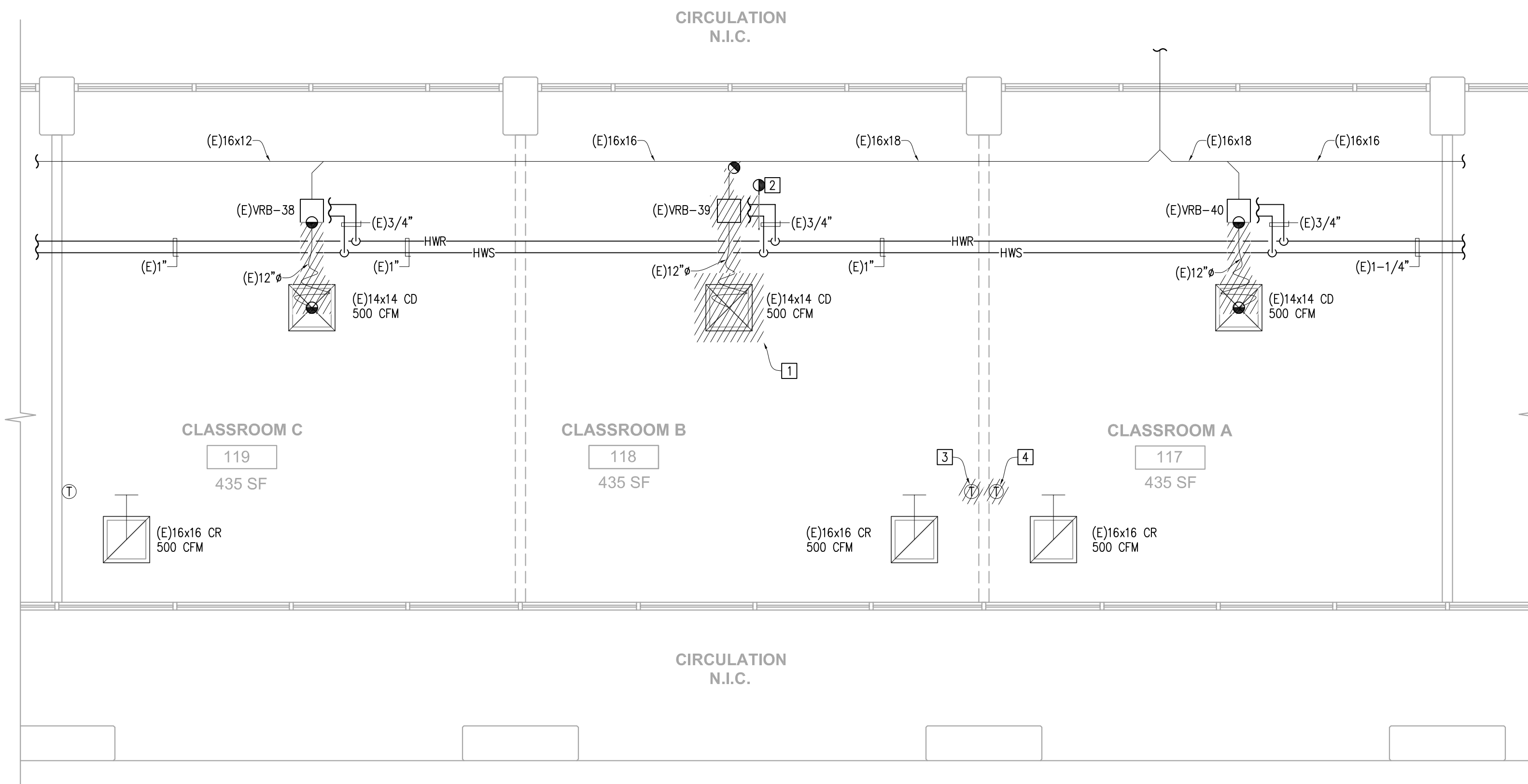
DATE: 06.01.17

SHEET TITLE

MECHANICAL  
NOTES,  
LEGEND, AND  
SCHEDULES

SHEET NUMBER

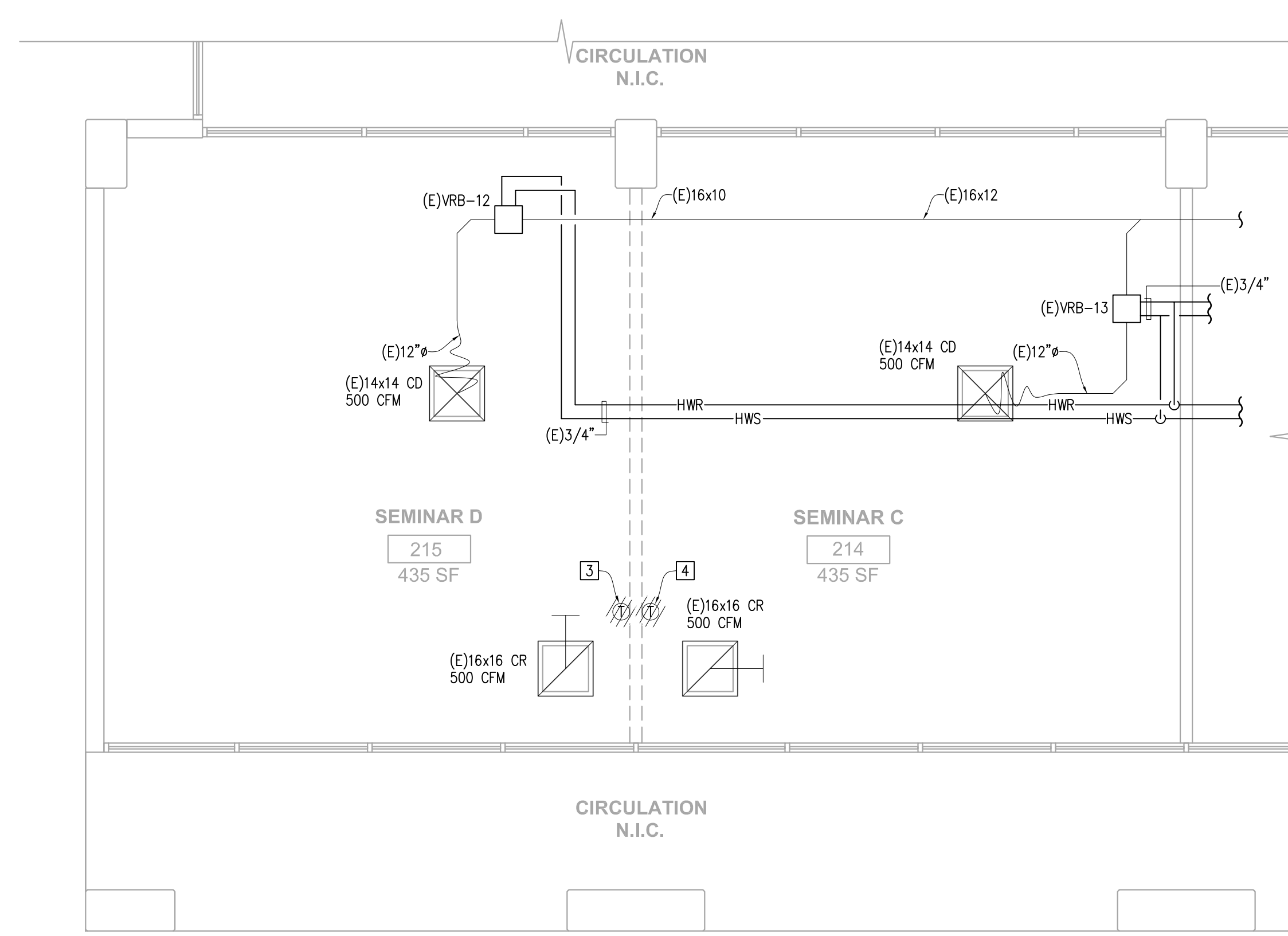
MO.1



- ### DEMOLITION NOTES
- 1 DISCONNECT, REMOVE AND CAP EXISTING DUCTWORK, GRILLES, AND REGISTERS AS SHOWN HATCHED BACK TO POD.
  - 2 DISCONNECT, REMOVE, AND CAP EXISTING PIPING AS SHOWN HATCHED BACK TO POD.
  - 3 DISCONNECT AND REMOVE THERMOSTAT.
  - 4 DISCONNECT THERMOSTAT AND RELOCATE PER M2.1.

MECHANICAL FIRST FLOOR PLAN - DEMOLITION

SCALE  
1/4" = 1'-0" 1



MECHANICAL SECOND FLOOR PLAN - DEMOLITION

SCALE  
1/4" = 1'-0" 2

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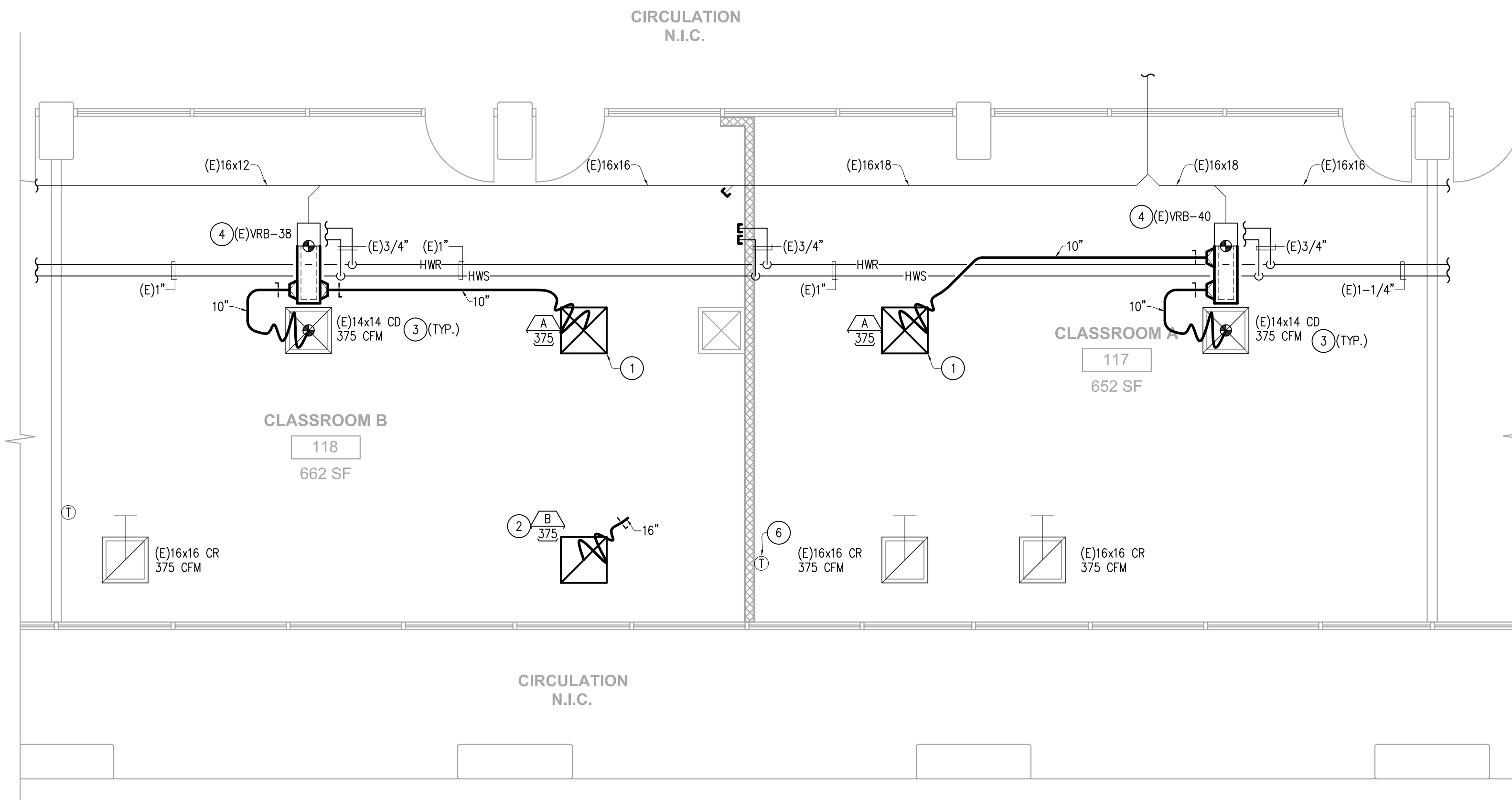
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MECHANICAL FIRST  
& SECOND FLOOR  
PLAN - DEMOLITION

SHEET NUMBER

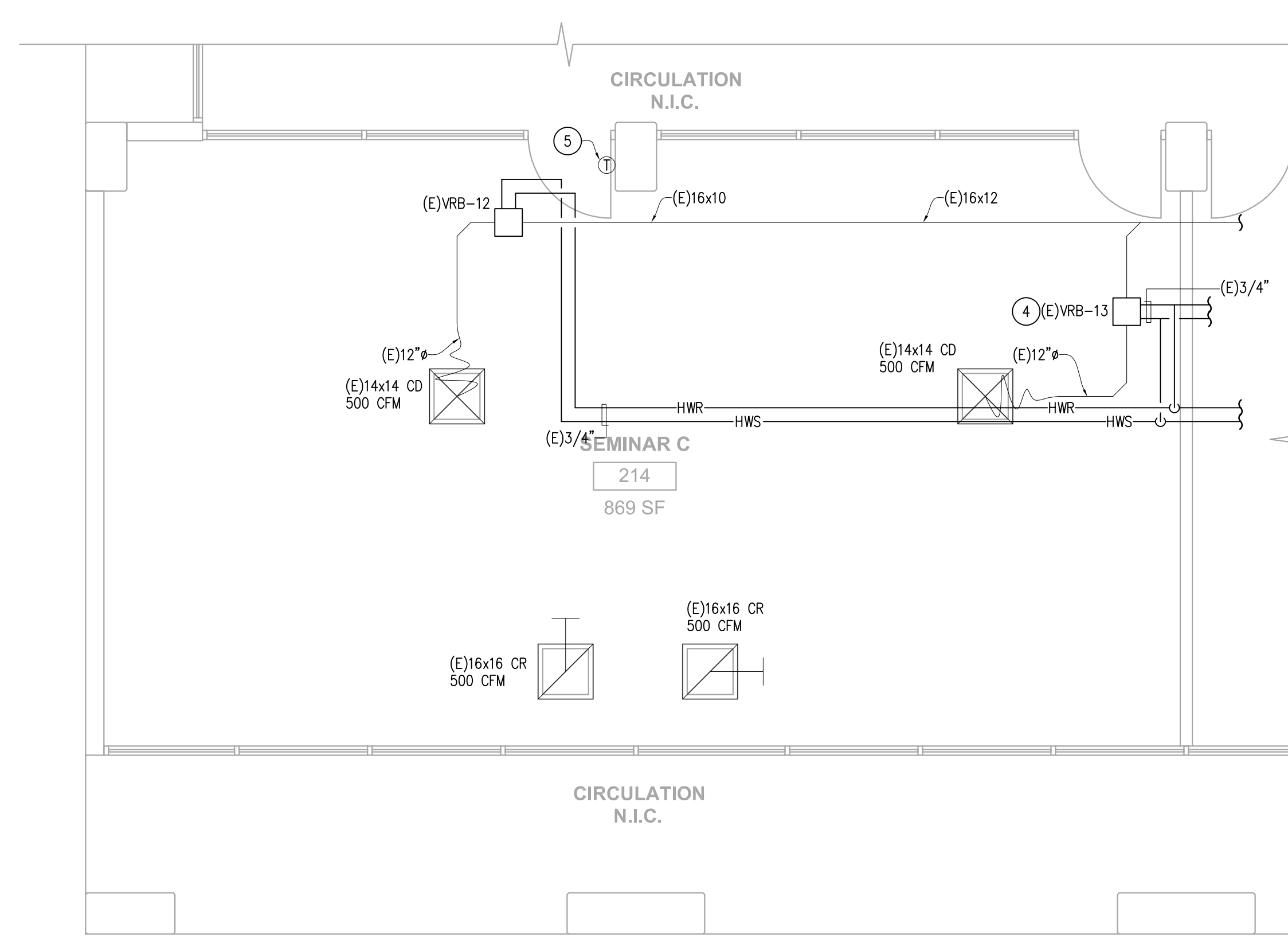
M1.1



- ### NEW WORK NOTES
- 1 INSTALL NEW DIFFUSER AS SHOWN AND CONNECT NEW DUCTWORK TO EXISTING VRB. BALANCE AS SHOWN.
  - 2 INSTALL NEW GRILLE AND BALANCE AS SHOWN.
  - 3 REBALANCE EXISTING DIFFUSER OR GRILLE TO AIRFLOW SHOWN.
  - 4 REBALANCE EXISTING VRB TO AIRFLOW AS SCHEDULED. EXTEND VRB AS REQUIRED FOR CONNECTION OF NEW DUCTWORK.
  - 5 RELOCATED THERMOSTAT TO CONTROL EXISTING VRB 12 & 13 SIMULTANEOUSLY.
  - 6 NEW LOCATION OF EXISTING THERMOSTAT.

MECHANICAL FIRST FLOOR PLAN - NEW WORK

SCALE  
1/4" = 1'-0" 1



MECHANICAL SECOND FLOOR PLAN - NEW WORK

SCALE  
1/4" = 1'-0" 2

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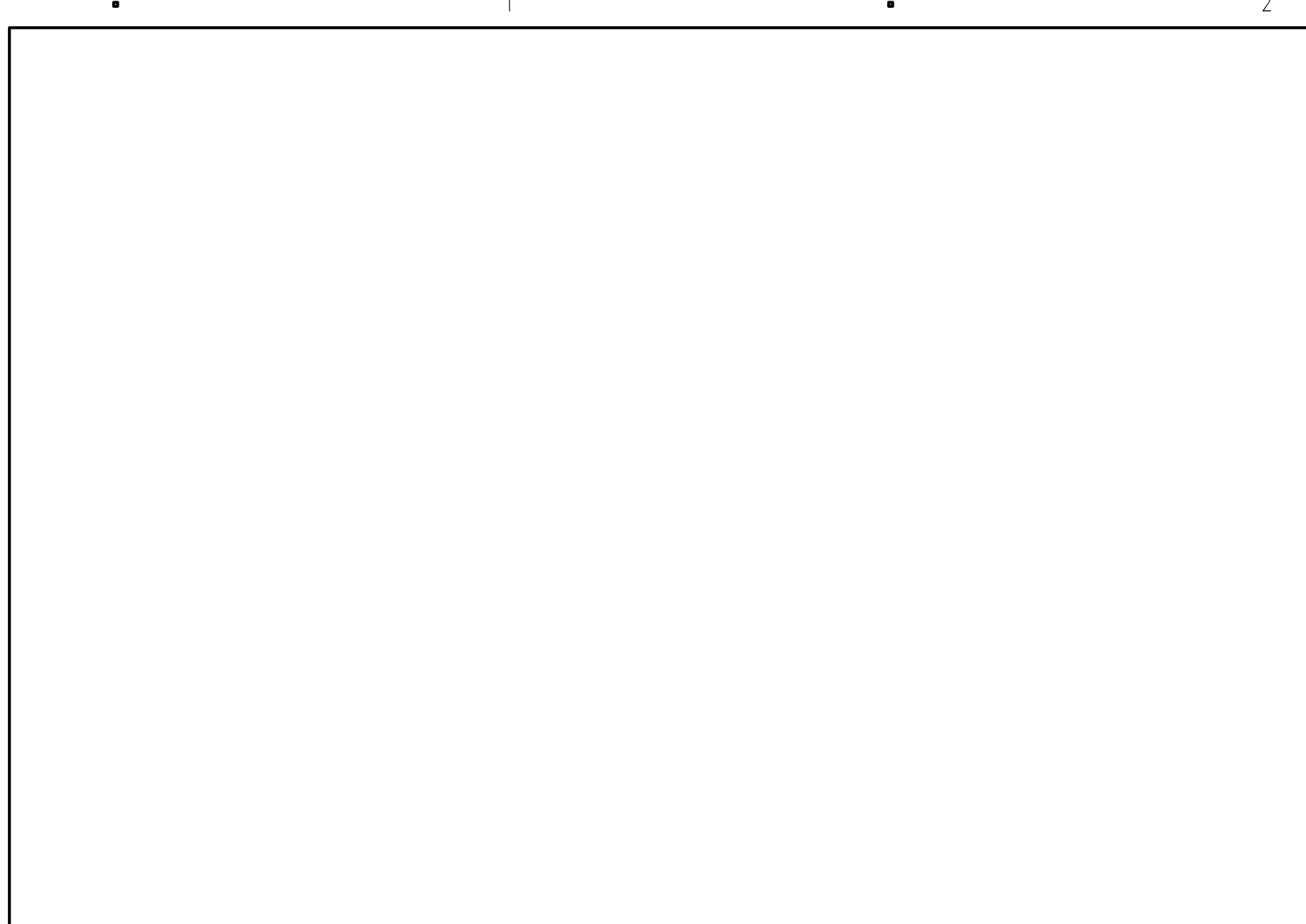
DATE: 06.01.17

SHEET TITLE

MECHANICAL FIRST  
& SECOND FLOOR  
PLAN - NEW WORK

SHEET NUMBER

M2.1



- NOTES:
1. ROUND NECK CEILING DIFFUSER SHOWN. PROVIDE MANUFACTURERS STANDARD SQUARE TO ROUND ADAPTER FOR SQUARE NECK DIFFUSERS. FOR HARD LID CEILINGS PROVIDE REGISTER BOX AND SURFACE MOUNTED TYPE CEILING DIFFUSERS WITH OPPOSED BLADE DAMPERS.
  2. SEE SCHEDULE AND SPECIFICATIONS FOR AIR DISTRIBUTION TYPE.
  3. WHERE FACTORY INSTALLED SHEET METAL FITTING ENDS ARE PROVIDED, ATTACH TO BRANCH DUCT WITH SHEET METAL SCREWS AND DUCT SEALER.
  4. PROVIDE YOUNG REGULATOR CABLE OPERATED DAMPER (OR EQUAL), FOR AREAS WITH NO ACCESS TO DAMPERS.

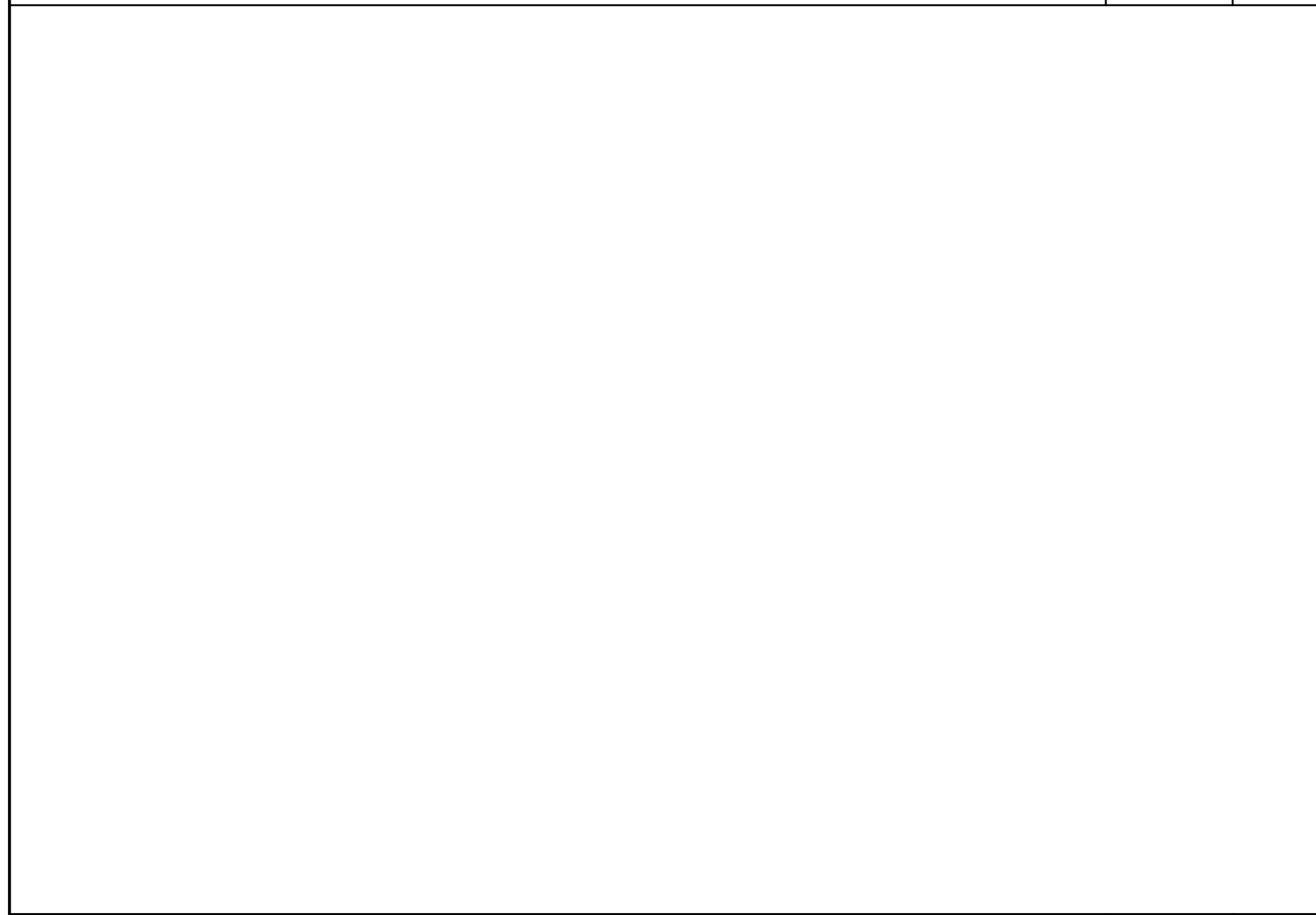
SCALE  
NONE

6

TYPICAL CEILING DIFFUSER

SCALE  
NONE

3



SCALE  
NONE

7

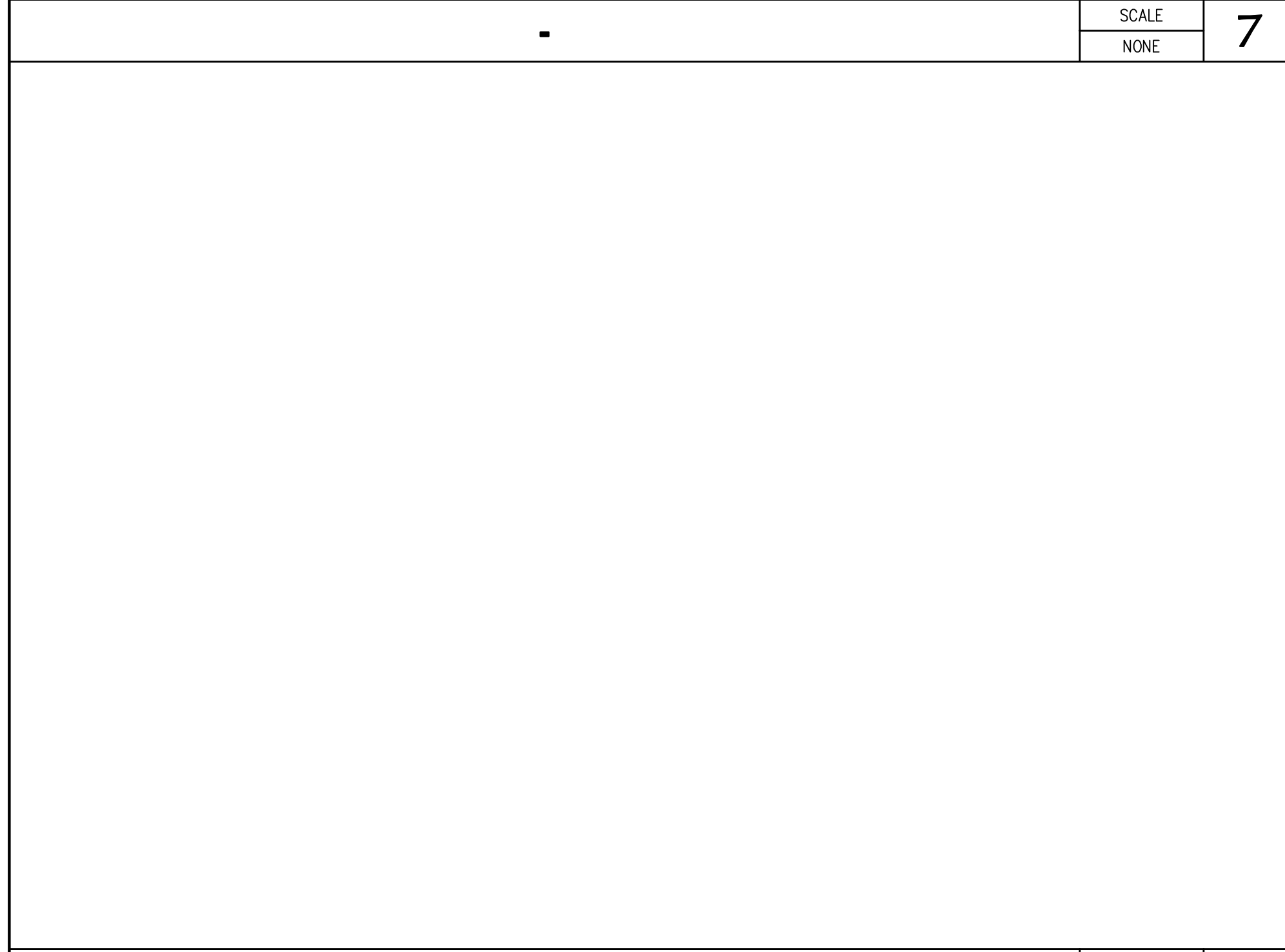
SCALE  
NONE

4

BRANCH TAKEOFF

SCALE  
NONE

1



SCALE  
NONE

8

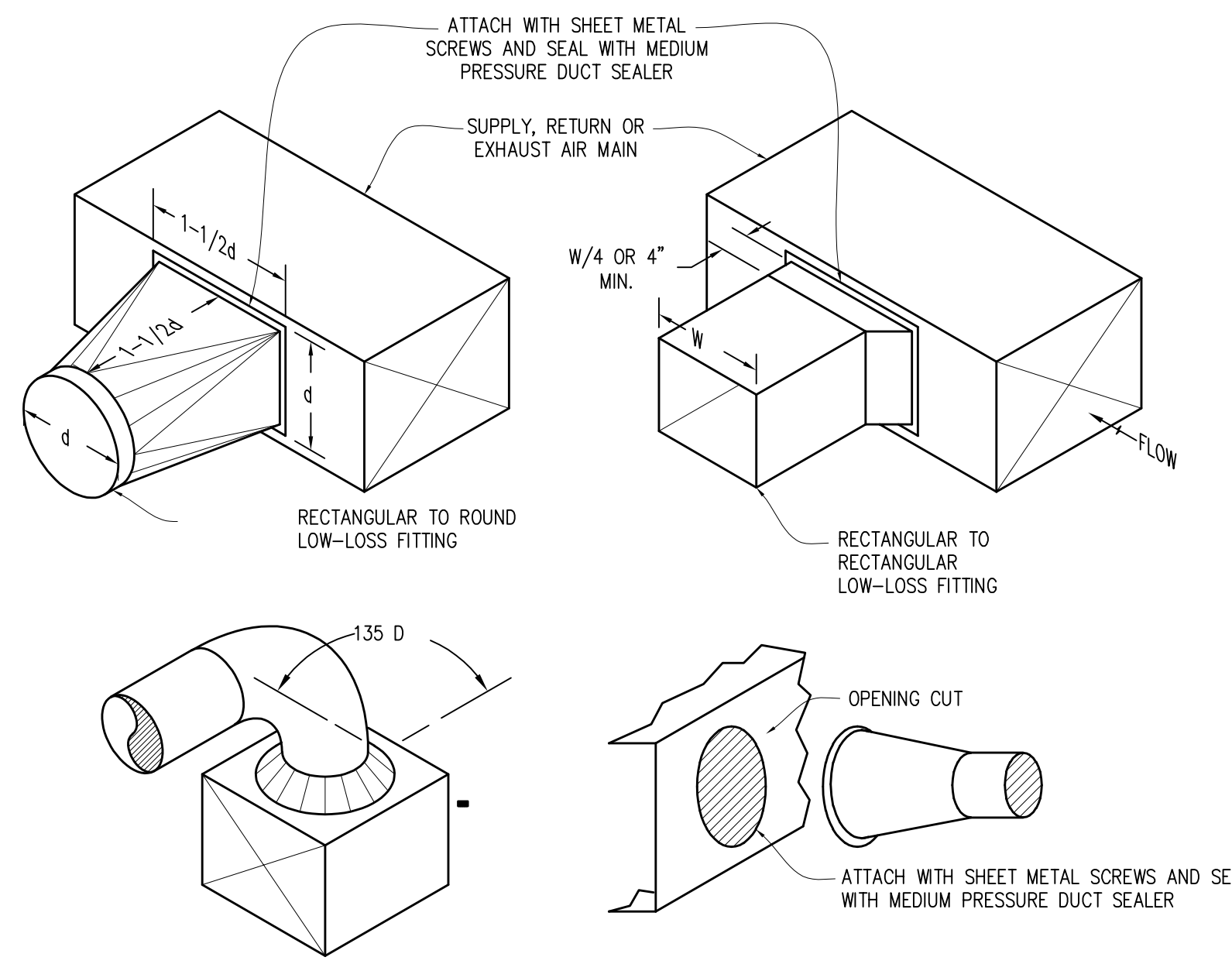
SCALE  
NONE

5

THERMOSTAT MOUNTING HEIGHT

SCALE  
NONE

2



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MECHANICAL  
DETAILS

SHEET NUMBER

M5.1

# ELECTRICAL LEGEND

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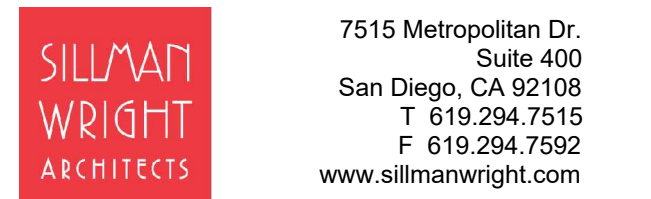
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SHEET TITLE

GENERAL NOTES,  
ABBREVIATIONS &  
SYMBOLS

SHEET NUMBER

E0.1

## GENERAL

- DETAIL NUMBER DESIGNATION
- SHEET DETAIL APPEARS (ILLUSTRATED ON)
- NOTE REFERENCE
- SHEET DETAIL APPEARS (ILLUSTRATED ON)
- DETAIL NUMBER DESIGNATION

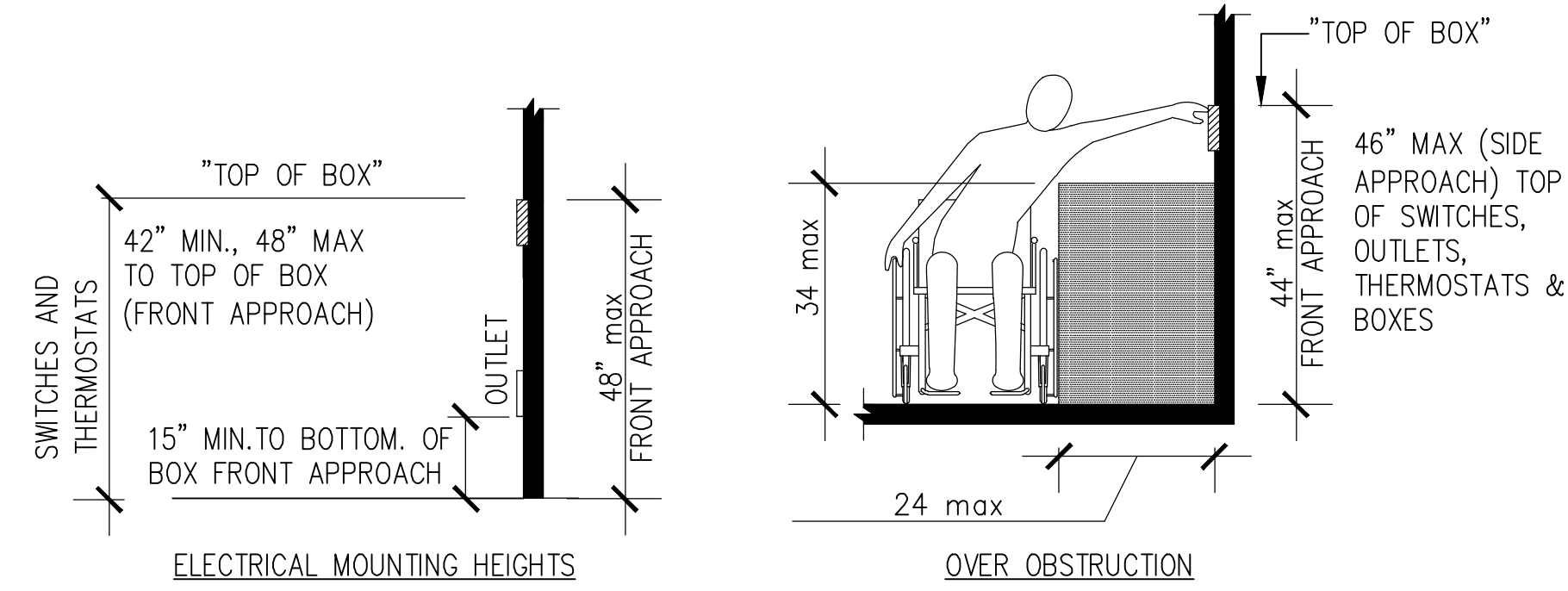
## POWER

- INDICATES MOUNTING HEIGHT ABOVE FINISHED FLOOR
- PHASE
- JUNCTION OF OUTLET BOX CEILING OR WALL MOUNTED AS INDICATED. LOCATE ABOVE ACCESSIBLE CEILING UON.
- POWER TRANSFORMER
- GROUND
- SWITCH AND FUSE DESIGNATION
  - NUMBER OF POLES
  - SWITCH SIZE
  - FUSE SIZE
- CIRCUIT BREAKER
  - NUMBER OF POLES
  - AMPS FRAME
  - AMPS TRIP
  - KAIC RATING

## LIGHTING

- RECESSED DIMMER SWITCH. SHALL NOT BE MORE THAN 48" AFF.
- NATURAL LIGHTING SOLATUBE FIXTURE

## ADA MOUNTING REQUIREMENTS



## DEMOLITION

- SYMBOL INDICATES FIXTURE, DEVICE, OUTLET OR EQUIPMENT TO BE REMOVED.
- DASHED SYMBOL WITH "R" INDICATES FIXTURE, DEVICE, OUTLET OR EQUIPMENT TO BE RELOCATED.
- SYMBOL WITH "NR" INDICATES NEW LOCATION OR RELOCATED FIXTURE, DEVICE, OUTLET OR EQUIPMENT.
- SYMBOL WITH "E" OR "(E)" INDICATES EXISTING FIXTURE, DEVICE, OUTLET OR EQUIPMENT TO REMAIN.

## MEP COMPONENT ANCHORAGE NOTE:

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENT PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE OR FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT TO BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM THE ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

"UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBER IS TO BE CUT, DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND DISTRICT STRUCTURAL ENGINEER FROM THE DIVISION OF STATE ARCHITECT."

## PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AD DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2013 CBC, SECTIONS 1616A.1.213, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (e.g., SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEM (E):

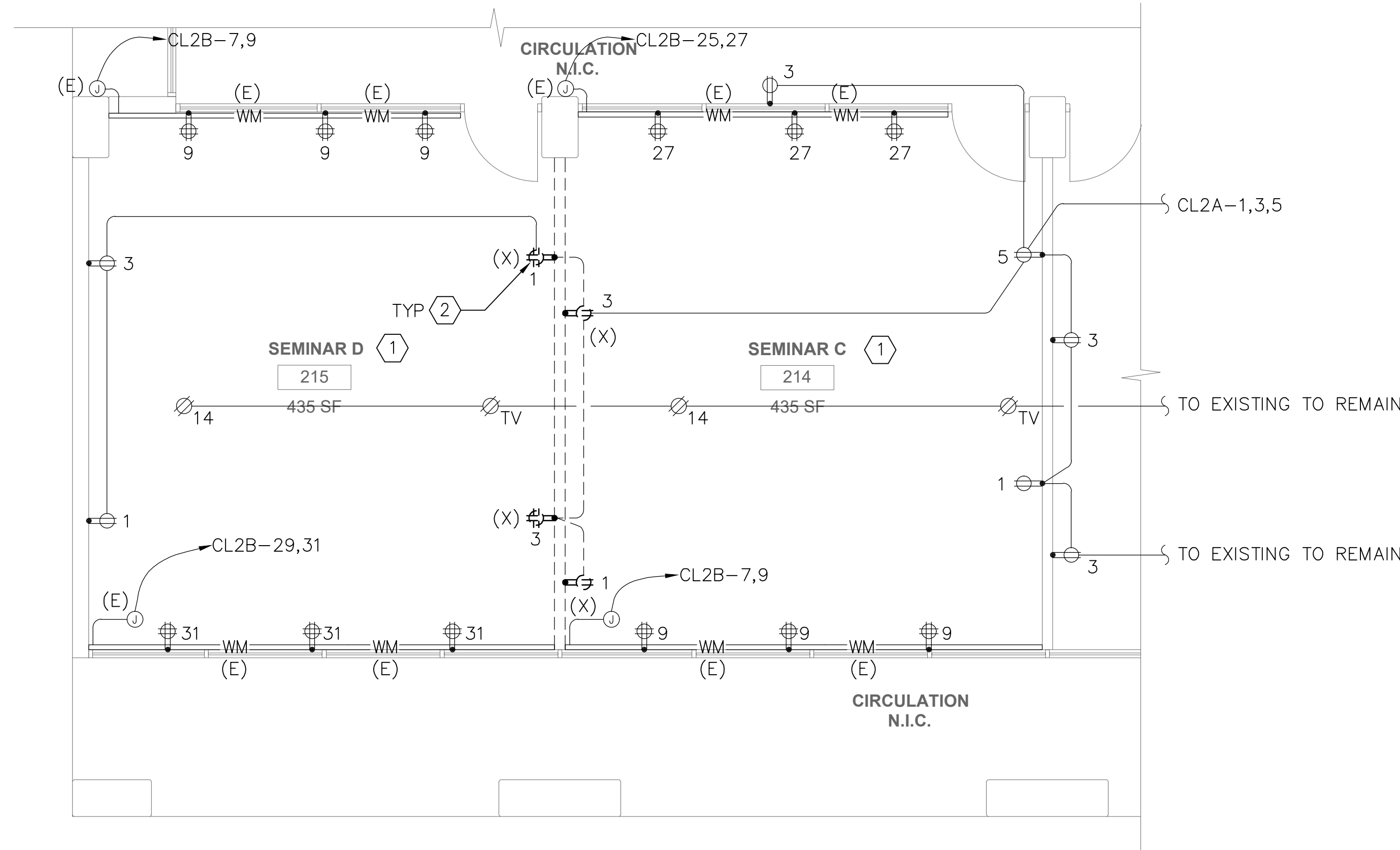
MP  MD  PP  E  - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

## RACEWAYS

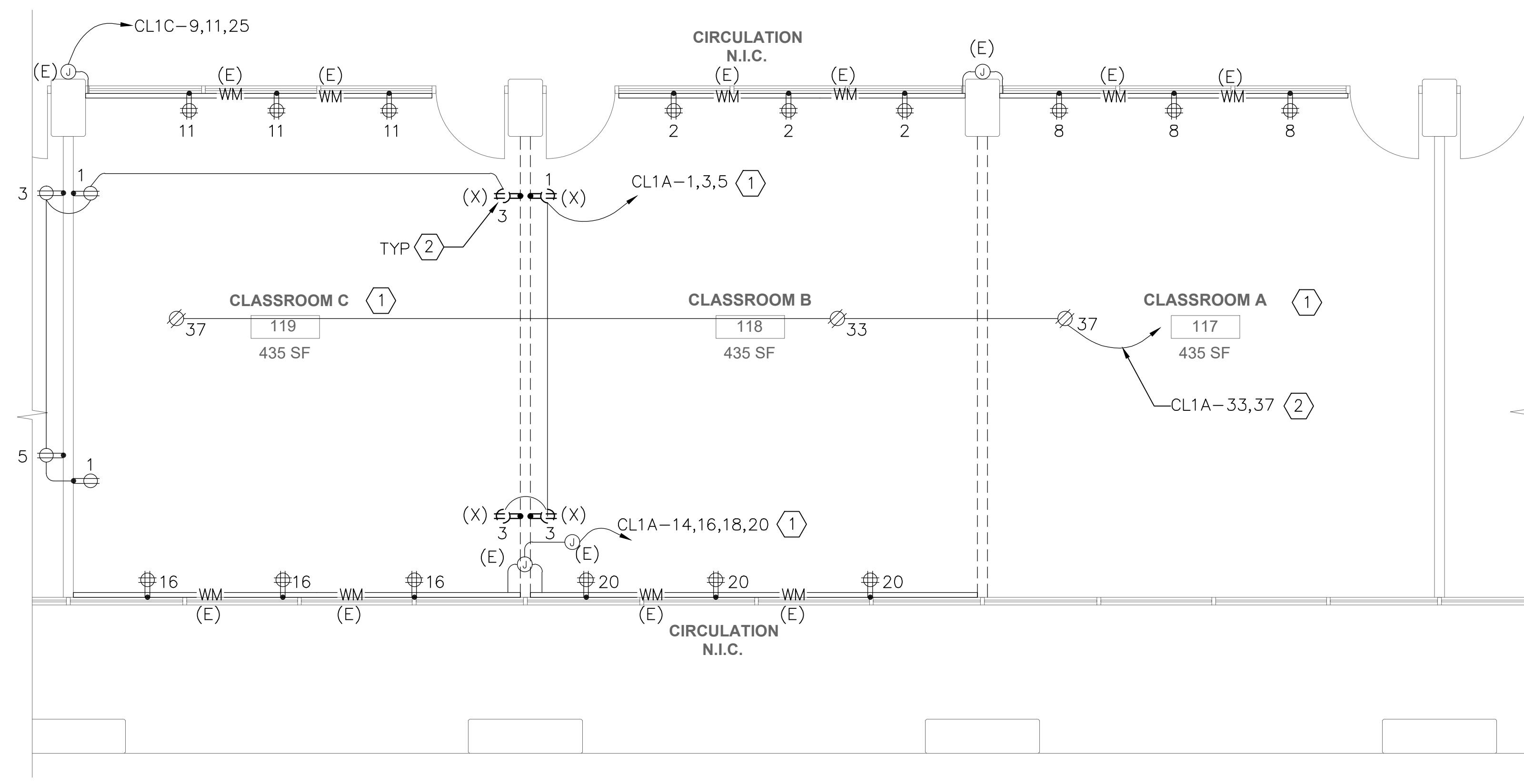
- CONDUIT TERMINATED AND CAPPED
- WIRING OR CONDUIT CONCEALED IN WALL OR CEILING
- WIRING OR CONDUIT EXPOSED
- WIRING OR CONDUIT CONCEALED UNDERGROUND, OR IN FLOORS ABOVE GRADE LEVEL.
- FLEXIBLE CONDUIT CONDUIT
- HOMERUN TO PANELBOARD. TEXT INDICATES ELECTRICAL PANEL DESIGNATION AND CIRCUIT NUMBERS. MINIMUM CONDUIT SIZE SHALL BE 3/4". UNLESS OTHERWISE NOTED, PROVIDE BRANCH CIRCUIT AND FEEDER HOMERUNS WITH NOT MORE THAN THREE PHASE CONDUCTORS, THREE NEUTRAL CONDUCTORS AND ONE GROUND CONDUCTOR IN A SINGLE RACEWAY. PROVIDE ALL BRANCH CIRCUITS WITH A SEPARATE NEUTRAL CONDUCTOR.

## ABBREVIATIONS

A	AMPERE	LTG	LIGHTING
ADA	AMERICAN DISABILITIES ACT	LV	LOW VOLTAGE
AC	ALTERNATING CURRENT		
AF	AMP FRAME	MTD	MOUNTED
AFF	ABOVE FINISHED FLOOR	MCA	MINIMUM CIRCUIT AMPS
AIC	AMPERE INTERRUPTING CAPACITY	MOC	MAXIMUM OVERCURRENT PROTECTION DEVICE
AL	ALUMINUM		
AS	AMP SWITCH	OC	2" ABOVE COUNTER BACK SPLASH
C	CONDUCTOR,	NTS	NOT TO SCALE
CKT	CONDUIT CIRCUIT	NFPA	NATIONAL FIRE PROTECTION
CSFM	CALIF. STATE FIRE MARSHALL	NEC	NATIONAL ELECTRIC CODE
CU	COPPER		
E	EXISTING	TYP	TYPICAL
ELEC	ELECTRICAL		
		UL	UNDERWRITER'S LABORATORY
FA	FIRE ALARM	V	VOLTAGE
FLUOR	FLUORESCENT		
GALV	GALVANIZED	W	WIRE
GFI	GROUND FAULT INTERRUPTER	WP	WEATHERPROOF
GND, G	GROUND	W/	WITH
HP	HORSEPOWER	XFMR	TRANSFORMER
HE	HANDHOLE ELECTRICAL		
HT	HANDHOLE TELECOM		
		PROVIDE	FURNISH, INSTALL, CONNECT AND TEST
IWB	INTERACTIVE WHITEBOARD		
KVA	KILOVOLT-AMPERE		
KW	KILOWATT		



**2**  
E2.0  
**LEVEL 2 - ELECTRICAL DEMOLITION PLAN**  
SCALE: 1/4"=1'-0"



**1**  
E2.0  
**LEVEL 1 - ELECTRICAL DEMOLITION PLAN**  
SCALE: 1/4"=1'-0"

**KEYNOTES**

**GENERAL NOTES**

1. THE EXISTING CIRCUIT NUMBERS SHOWN ON THE DRAWINGS ARE BASED ON RECORD DRAWINGS. THE CIRCUIT NUMBERS REPRESENT THE BEST INFORMATION AVAILABLE, BUT MAY NOT BE ACCURATE. PRIOR TO STARTING DEMOLITION, THE CONTRACTOR SHALL PERFORM A SURVEY AND RECORD THE EXISTING (VERIFIED) CIRCUITS FOR THE PROJECT. INCORRECT CIRCUIT NUMBERS SHALL BE CORRECTED ON THE AS-BUILT DRAWINGS.
2. MAINTAIN ELECTRICAL CONTINUITY OF EXISTING ELECTRICAL SYSTEMS AND DEVICES TO REMAIN.
3. PROVIDE NEW CONDUIT AND WIRE TO RE-ROUTE EXISTING RACEWAYS THAT PASS THROUGH PARTITIONS, WALLS OR CEILINGS TO BE DEMOLISHED.
4. REMOVE ALL ASSOCIATED CONDUIT AND WRING BACK TO SOURCE FOR DEVICES AND EQUIPMENT SCHEDULED FOR DEMOLITION.

**SHEET NOTES**

- 1 ALL POWER IN THIS AREA NOT NOTED WITH (E) ARE EXISTING TO REMAIN. CONTRACTOR SHALL REWIRE RECEPTACLES AS SHOWN UTILIZING EXISTING CIRCUITS AS INDICATED. SEE NEW POWER PLAN DRAWING E3.0.
- 2 ALL EXISTING RECEPTACLES MARKED (X) ARE TO BE DISCONNECTED AND REMOVED WITH ALL ASSOCIATED CONDUIT AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY TO THE OUTLETS TO REMAIN.

**WALL LEGEND**

- EXISTING WALL
- EXISTING WALL TO BE DEMOLISHED

CLIENT



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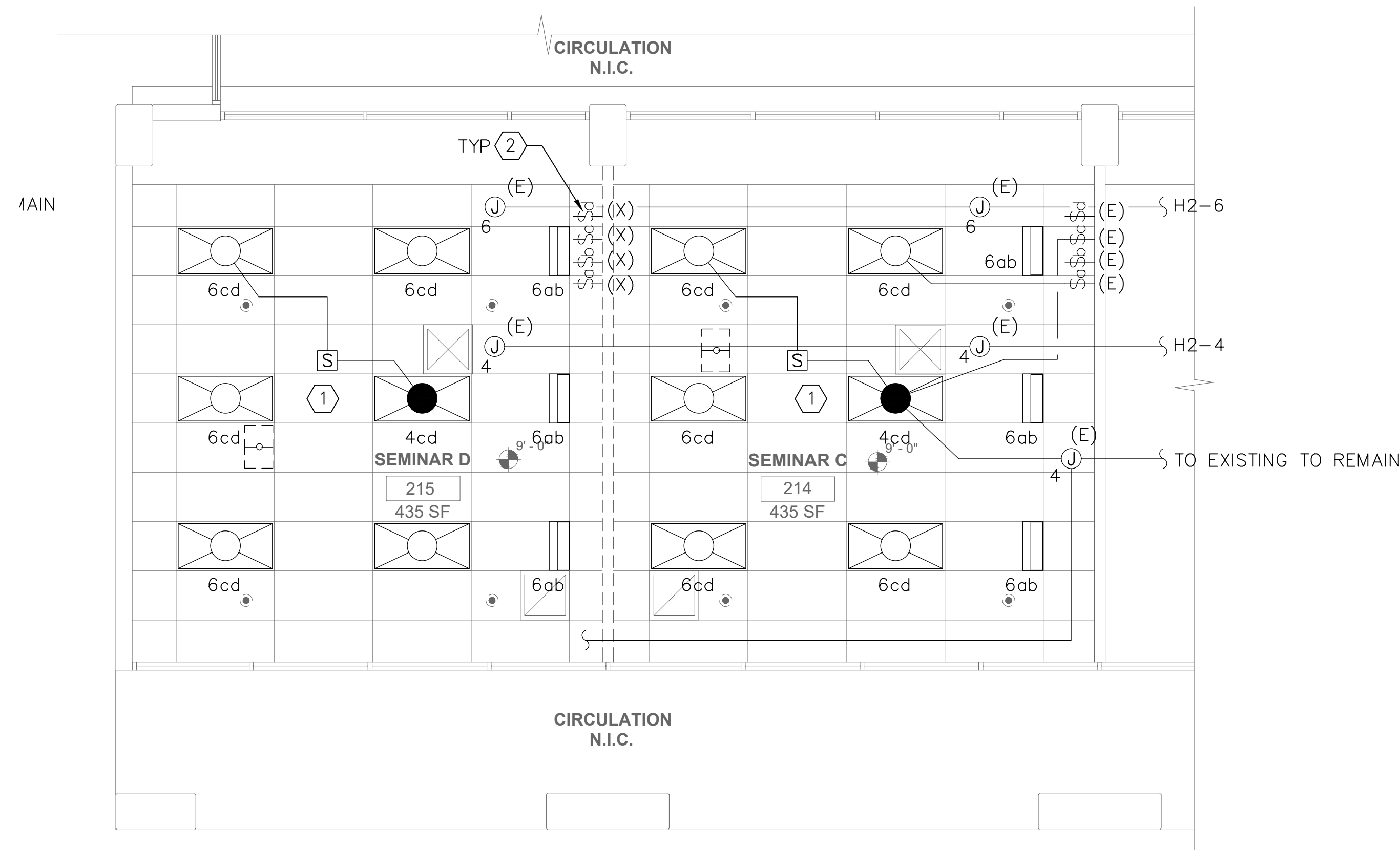
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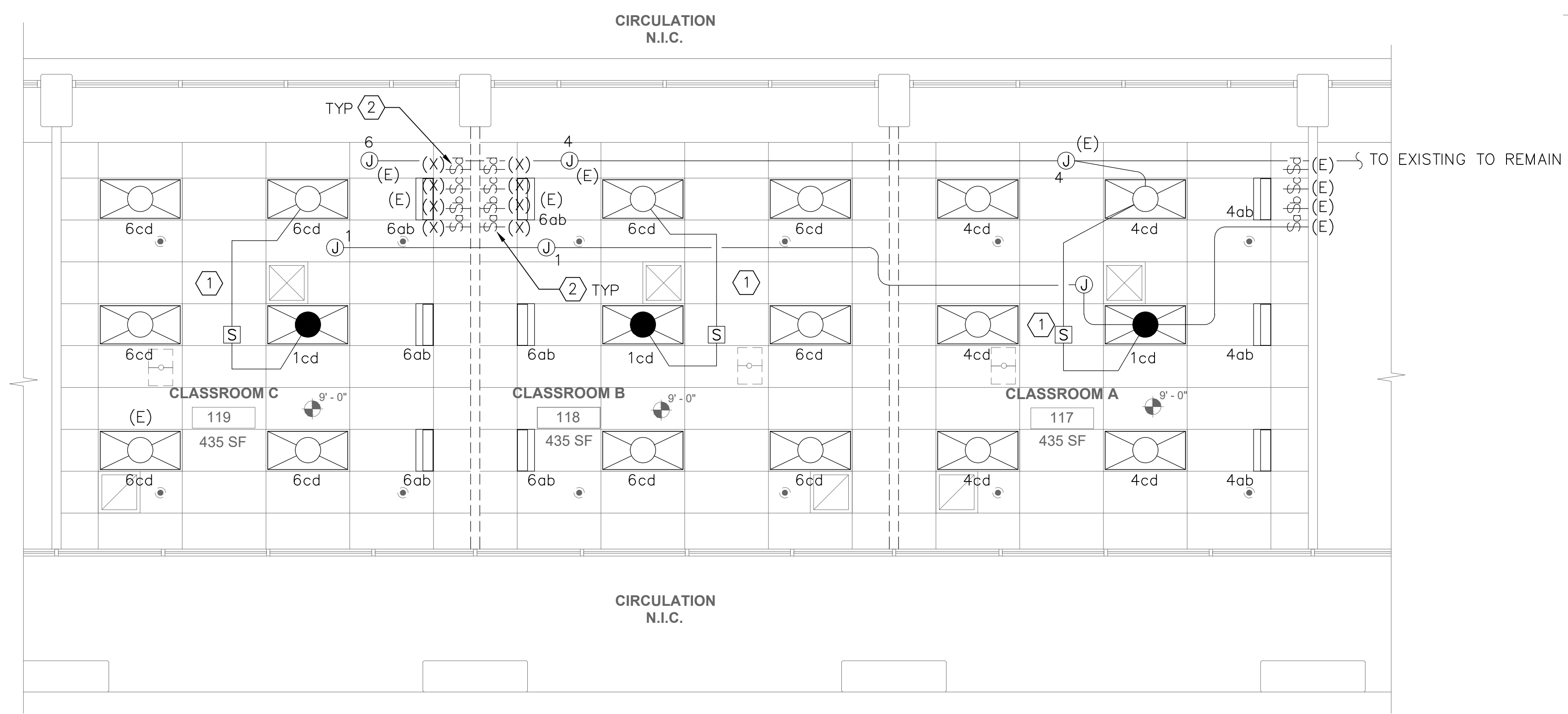
**LEVELS 1 & 2**  
**DEMOLITION PLAN -**  
**ELECTRICAL**

SHEET NUMBER

**E2.0**



**2**  
E2.1 **LEVEL 2 - LIGHTING DEMOLITION PLAN**  
SCALE: 1/4"=1'-0"



**1**  
E2.1 **LEVEL 1 - LIGHTING DEMOLITION PLAN**  
SCALE: 1/4"=1'-0"

**KEYNOTES**

**GENERAL NOTES**

1. THE EXISTING CIRCUIT NUMBERS SHOWN ON THE DRAWINGS ARE BASED ON RECORD DRAWINGS. THE CIRCUIT NUMBERS REPRESENT THE BEST INFORMATION AVAILABLE, BUT MAY NOT BE ACCURATE. PRIOR TO STARTING DEMOLITION, THE CONTRACTOR SHALL PERFORM A SURVEY AND RECORD THE EXISTING (VERIFIED) CIRCUITS FOR THE PROJECT. INCORRECT CIRCUIT NUMBERS SHALL BE CORRECTED ON THE AS-BUILT DRAWINGS.
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4. REMOVE ALL ASSOCIATED CONDUIT AND WRING BACK TO SOURCE FOR DEVICES AND EQUIPMENT SCHEDULED FOR DEMOLITION.

**SHEET NOTES**

- 1 ALL LIGHTING IN THIS AREA NOT NOTED WITH (E) ARE EXISTING TO REMAIN. CONTRACTOR SHALL REWIRE FIXTURES AS SHOWN UTILIZING EXISTING CIRCUITS AS INDICATED. SEE NEW LIGHTING PLAN DRAWING E3.1.
- 2 ALL EXISTING LIGHT SWITCHES MARKED (X) ARE TO BE DISCONNECTED AND REMOVED WITH ALL ASSOCIATED CONDUIT AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY TO THE FIXTURES TO REMAIN.

**WALL LEGEND**

- EXISTING WALL
- EXISTING WALL TO BE DEMOLISHED

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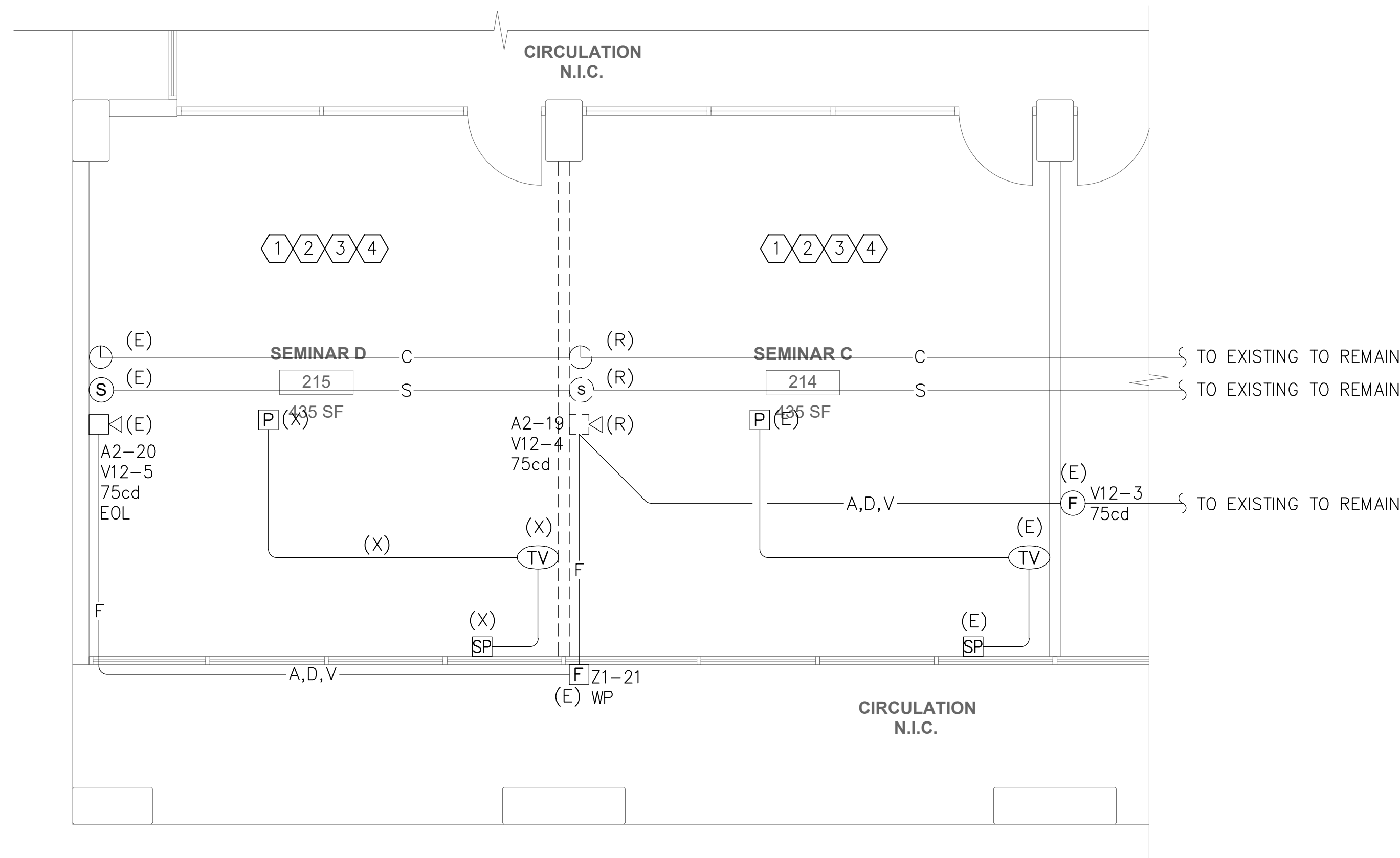
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**LEVELS 1 & 2**  
**DEMOLITION PLAN -**  
**LIGHTING**

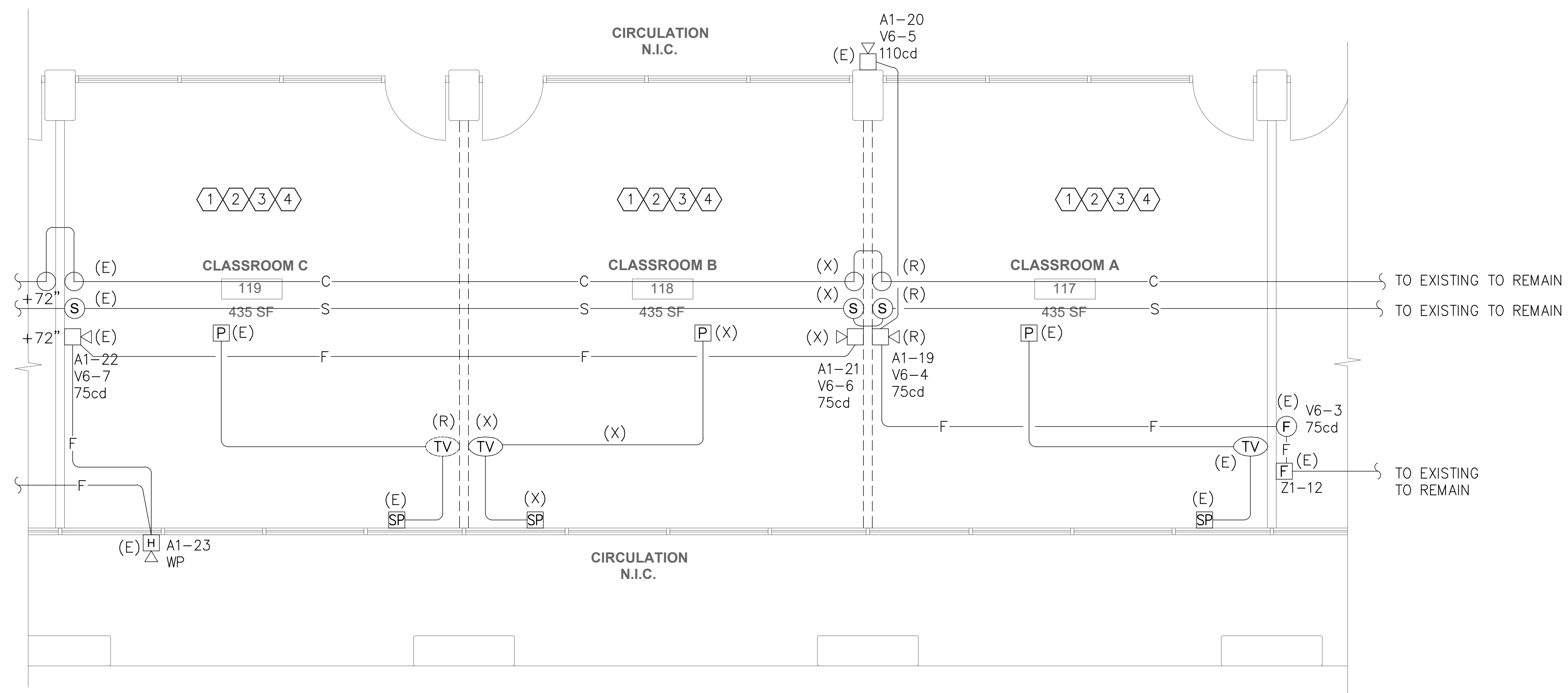
SHEET NUMBER

**E2.1**





2  
E2.2 LEVEL 2 - SIGNAL DEMOLITION PLAN  
SCALE: 1/4"=1'-0"



1  
E2.2 LEVEL 1 - SIGNAL DEMOLITION PLAN  
SCALE: 1/4"=1'-0"

KEYNOTES

GENERAL NOTES

1. THE EXISTING CIRCUIT NUMBERS SHOWN ON THE DRAWINGS ARE BASED ON RECORD DRAWINGS. THE CIRCUIT NUMBERS REPRESENT THE BEST INFORMATION AVAILABLE, BUT MAY NOT BE ACCURATE. PRIOR TO STARTING DEMOLITION, THE CONTRACTOR SHALL PERFORM A SURVEY AND RECORD THE EXISTING (VERIFIED) CIRCUITS FOR THE PROJECT. INCORRECT CIRCUIT NUMBERS SHALL BE CORRECTED ON THE AS-BUILT DRAWINGS.
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3. PROVIDE NEW CONDUIT AND WIRE TO RE-ROUTE EXISTING RACEWAYS THAT PASS THROUGH PARTITIONS, WALLS OR CEILINGS TO BE DEMOLISHED.
4. REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE FOR DEVICES AND EQUIPMENT SCHEDULED FOR DEMOLITION.

KEY NOTES

- 1 CONTRACTOR SHALL REMOVE ALL ITEMS TO BE DEMOLISHED IN ITS ENTIRETY. ALL CONDUIT AND WIRING NOT BEING REUSED SHALL BE REMOVED BACK TO ITS SOURCE.
- 2 ALL POWER RECEPTACLES AND DATA OUTLETS IN THIS AREA TO REMAIN, UNLESS OTHERWISE NOTED.
- 3 REMOVE EXISTING EQUIPMENT AND ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE.
- 4 CONTRACTOR SHALL REMOVE ALL TV/PROJECTOR, COMBO CLOCK/PA SYSTEM AND ASSOCIATED RECEPTACLES, CONDUITS AND WIRES BACK TO ITS SOURCE. IF ITEMS ARE RELOCATED EXTEND ALL ASSOCIATED CONDUITS AND WIRING TO THE NEW LOCATION AS REQUIRED.

WALL LEGEND

- EXISTING WALL
- EXISTING WALL TO BE DEMOLISHED

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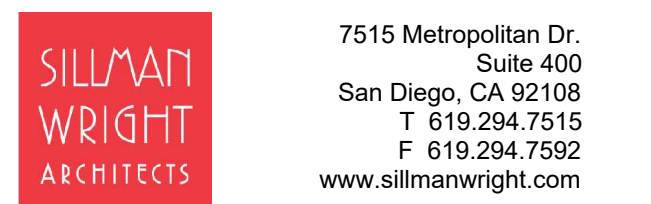
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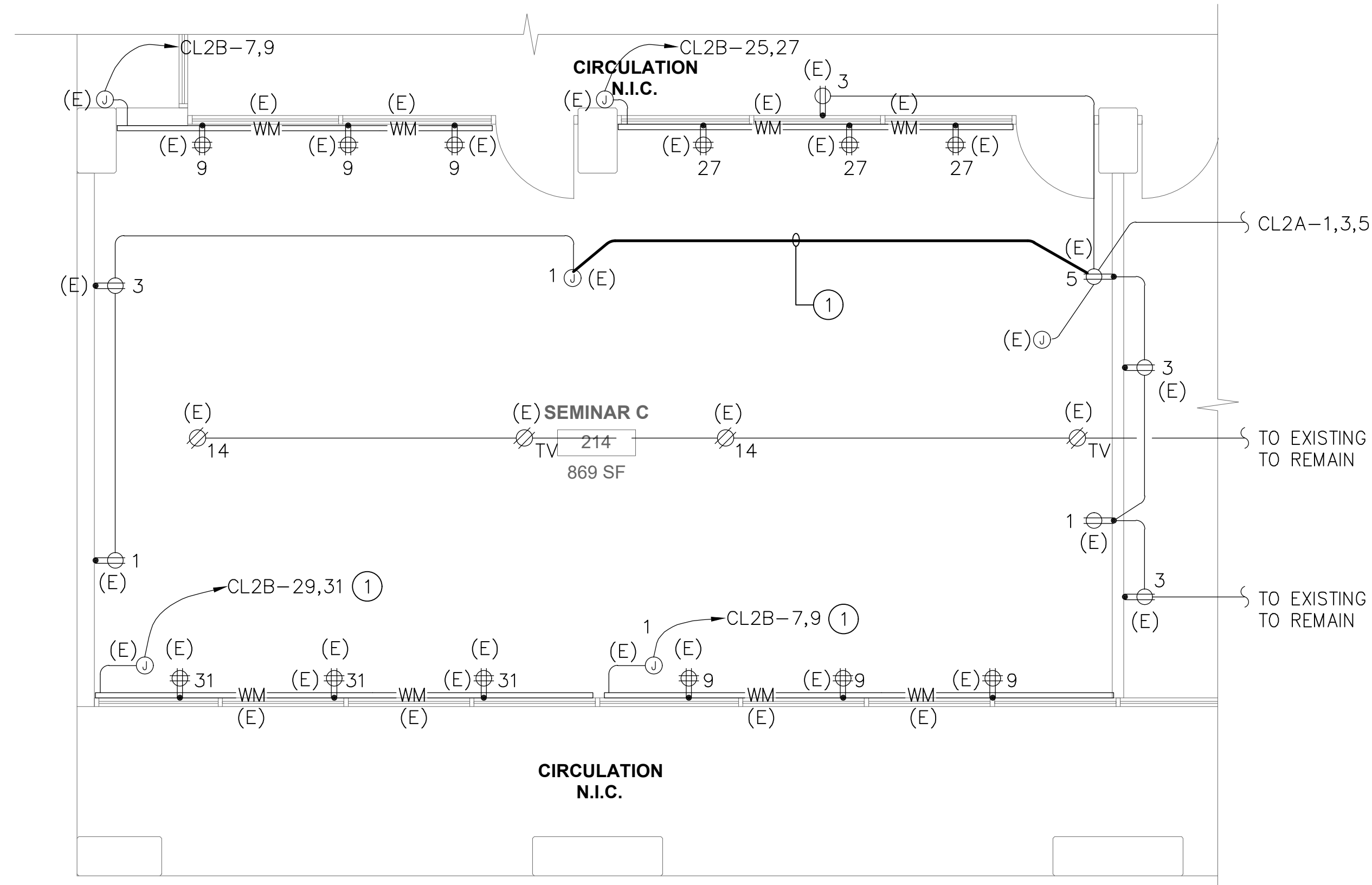
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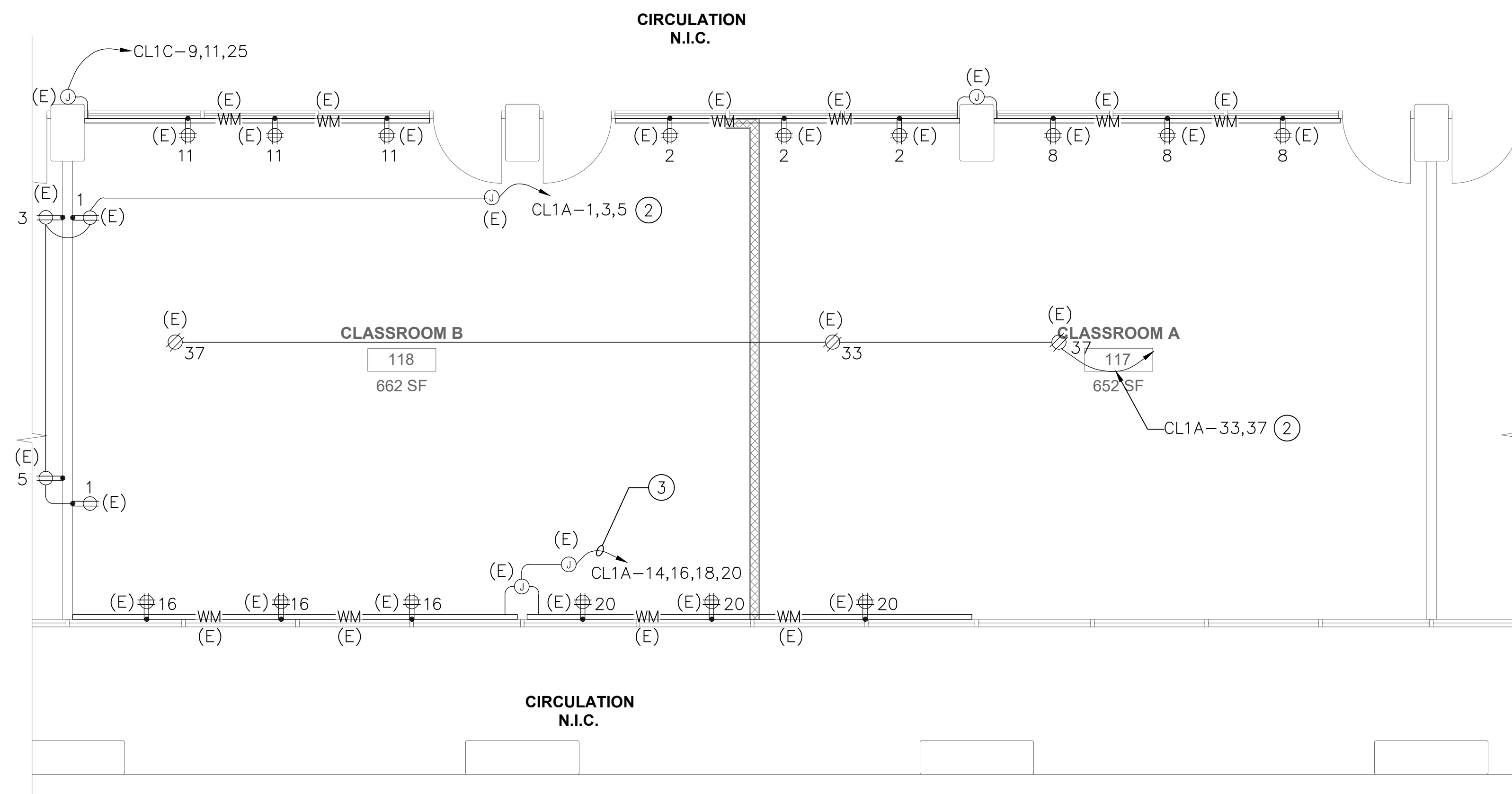
LEVELS 1 & 2  
DEMOLITION PLAN -  
SIGNAL

SHEET NUMBER

E2.2



**2** LEVEL 2 - ELECTRICAL NEW WORK PLAN  
 E3.0 SCALE: 1/4"=1'-0"



**1** LEVEL 1 - ELECTRICAL NEW WORK PLAN  
 E3.0 SCALE: 1/4"=1'-0"

**KEYNOTES**

**GENERAL NOTES**

1. THE EXISTING CIRCUIT NUMBERS SHOWN ON THE DRAWINGS ARE BASED ON RECORD DRAWINGS. THE CIRCUIT NUMBERS REPRESENT THE BEST INFORMATION AVAILABLE, BUT MAY NOT BE ACCURATE. PRIOR TO STARTING DEMOLITION, THE CONTRACTOR SHALL PERFORM A SURVEY AND RECORD THE EXISTING (VERIFIED) CIRCUITS FOR THE PROJECT. INCORRECT CIRCUIT NUMBERS SHALL BE CORRECTED ON THE AS-BUILT DRAWINGS.
2. MAINTAIN ELECTRICAL CONTINUITY OF EXISTING ELECTRICAL SYSTEMS AND DEVICES TO REMAIN.
3. PROVIDE NEW CONDUIT AND WIRE TO RE-ROUTE EXISTING RACEWAYS THAT PASS THROUGH PARTITIONS, WALLS OR CEILINGS TO BE DEMOLISHED.
4. REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE FOR DEVICES AND EQUIPMENT SCHEDULED FOR DEMOLITION.

**KEY NOTES**

- 1 PROVIDE J-BOX AND EXTEND 1/2"C- 3 #12,#12 GND. TO (E) OUTLET TO REMAIN.
- 2 PROVIDE J-BOX AND EXTEND 1/2"C- 4 #12,#12 GND. TO (E) OUTLET TO REMAIN.
- 3 PROVIDE AND EXTEND 3/4"C.-6 #12, 2 #12 GND. TO (E) CIRCUITS AS SHOWN.

**WALL LEGEND**

- EXISTING WALL
- NEW PARTITION WALL

CLIENT



Palo Verde Community College District  
 1 College Drive  
 Blythe, CA 92225

PROJECT NAME

Classroom / Lab Building  
 Project 1  
 1 College Drive  
 Blythe, CA 92225

CONTRACTOR

DESIGNER



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EPI JOB #187-52E

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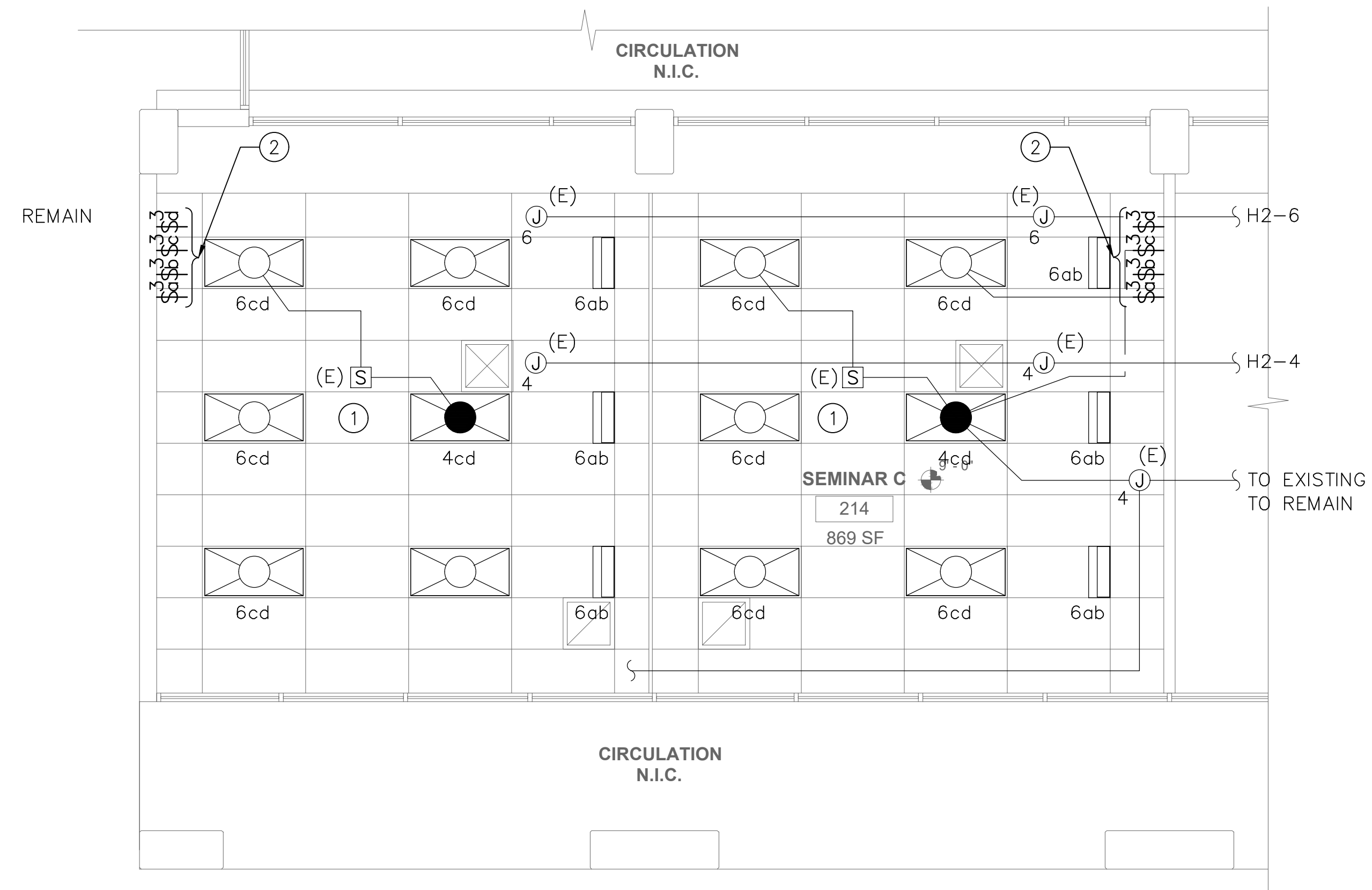
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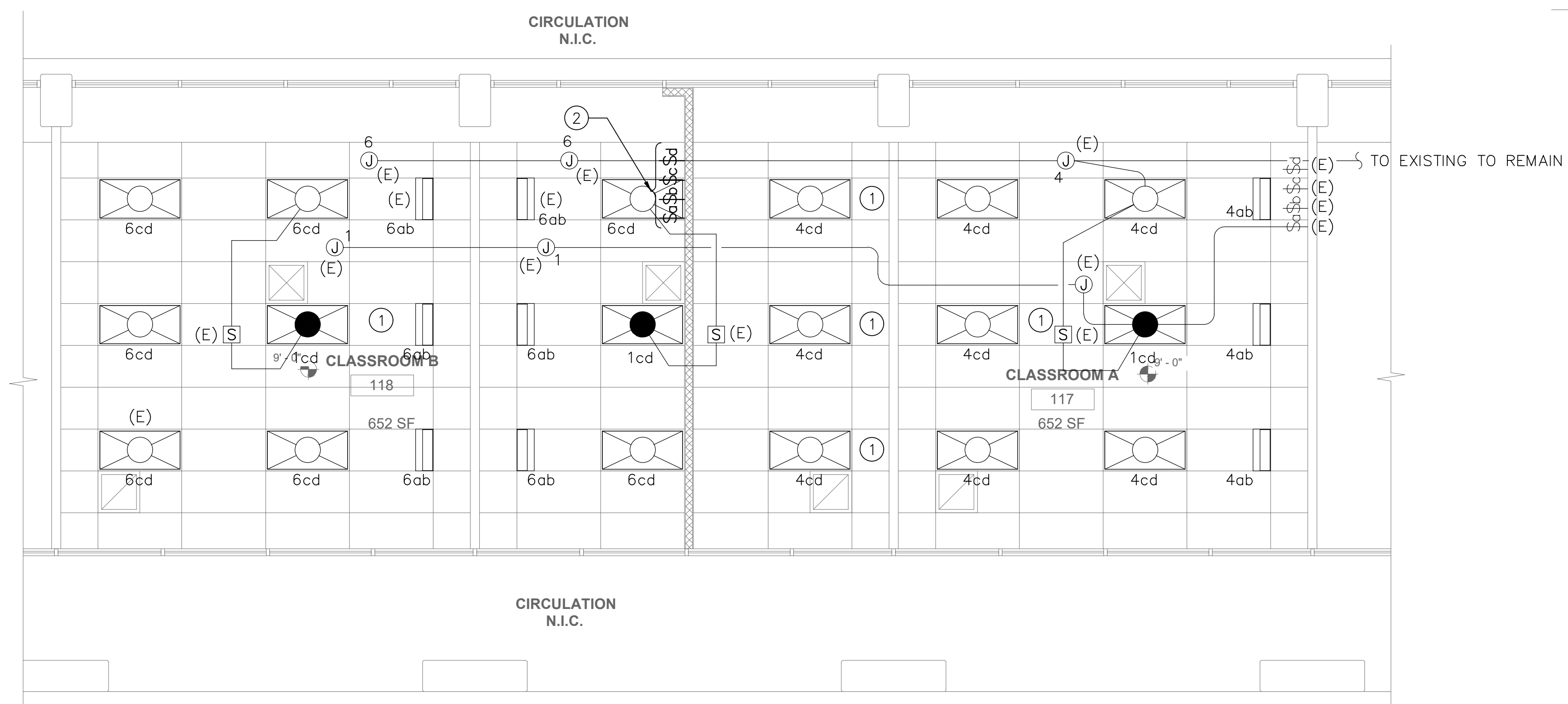
LEVELS 1 & 2 NEW  
 WORK - ELECTRICAL

SHEET NUMBER

E3.0



**2**  
E3.1 **LEVEL 2 - LIGHTING NEW WORK PLAN**  
SCALE: 1/4"=1'-0"



**1**  
E3.1 **LEVEL 1 - LIGHTING NEW WORK PLAN**  
SCALE: 1/4"=1'-0"

**KEYNOTES**

**GENERAL NOTES**

1. THE EXISTING CIRCUIT NUMBERS SHOWN ON THE DRAWINGS ARE BASED ON RECORD DRAWINGS. THE CIRCUIT NUMBERS REPRESENT THE BEST INFORMATION AVAILABLE, BUT MAY NOT BE ACCURATE. PRIOR TO STARTING DEMOLITION, THE CONTRACTOR SHALL PERFORM A SURVEY AND RECORD THE EXISTING (VERIFIED) CIRCUITS FOR THE PROJECT. INCORRECT CIRCUIT NUMBERS SHALL BE CORRECTED ON THE AS-BUILT DRAWINGS.
2. MAINTAIN ELECTRICAL CONTINUITY OF EXISTING ELECTRICAL SYSTEMS AND DEVICES TO REMAIN.
3. PROVIDE NEW CONDUIT AND WIRE TO RE-ROUTE EXISTING RACEWAYS THAT PASS THROUGH PARTITIONS, WALLS OR CEILINGS TO BE DEMOLISHED.
4. REMOVE ALL ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE FOR DEVICES AND EQUIPMENT SCHEDULED FOR DEMOLITION.

**KEY NOTES**

- ① PROVIDE AND EXTEND 1/2" C-2 #12, #12 GND. TO (E) LIGHT FIXTURES TO REMAIN. RECIRCUIT TO PANEL CIRCUIT NUMBER AS SHOWN.
- ② CONTRACTOR SHALL INSTALL NEW LIGHT SWITCHES AS SHOWN, PROVIDE NEW SWITCH WIRING TO EXISTING LIGHT FIXTURES TO REMAIN AS INDICATED ON THE PLANS. PROVIDE ADDITIONAL WIRING FOR 3-WAY SWITCHING ON LEVEL 2.

**WALL LEGEND**

- EXISTING WALL
- NEW PARTITION WALL

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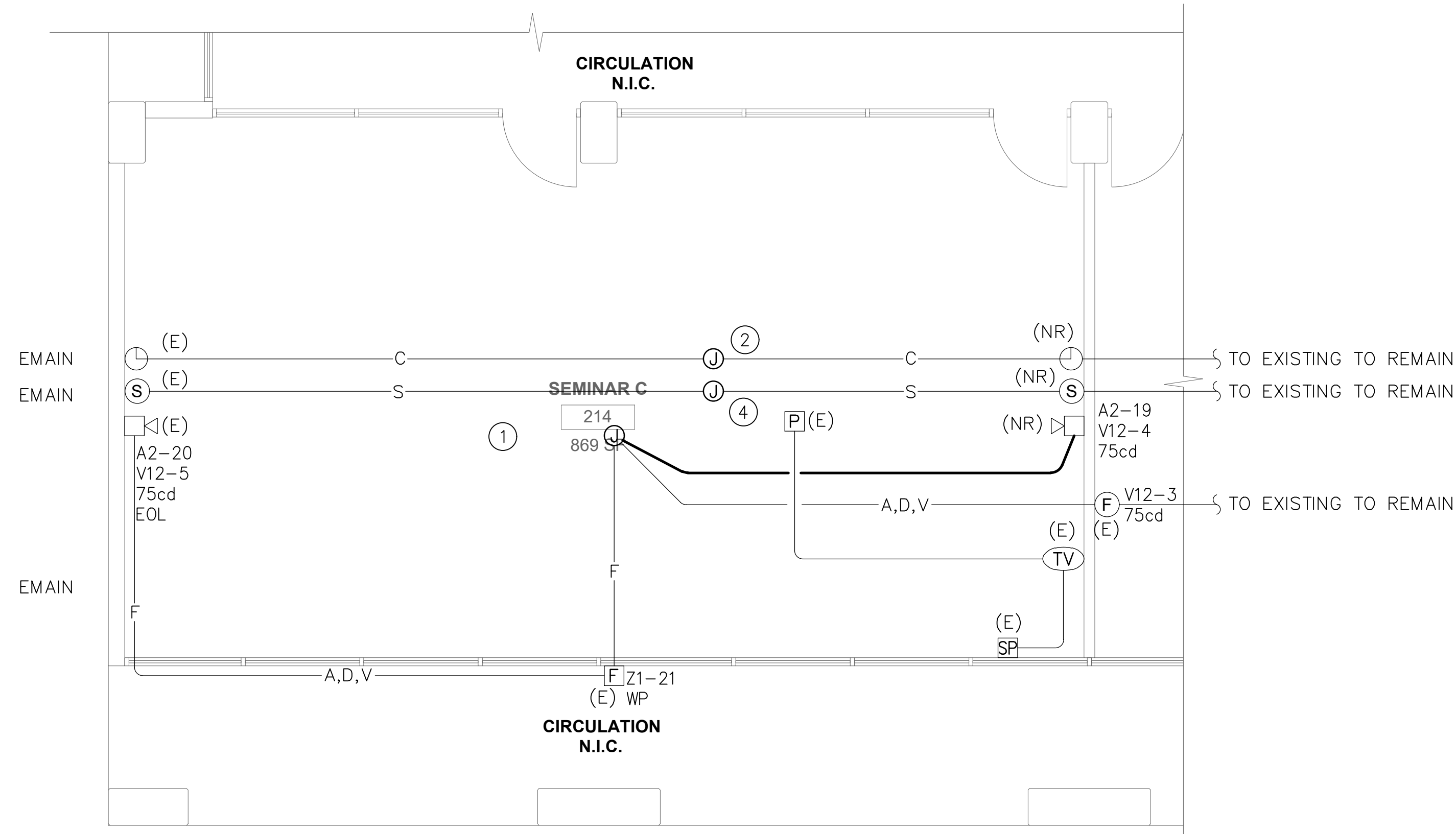
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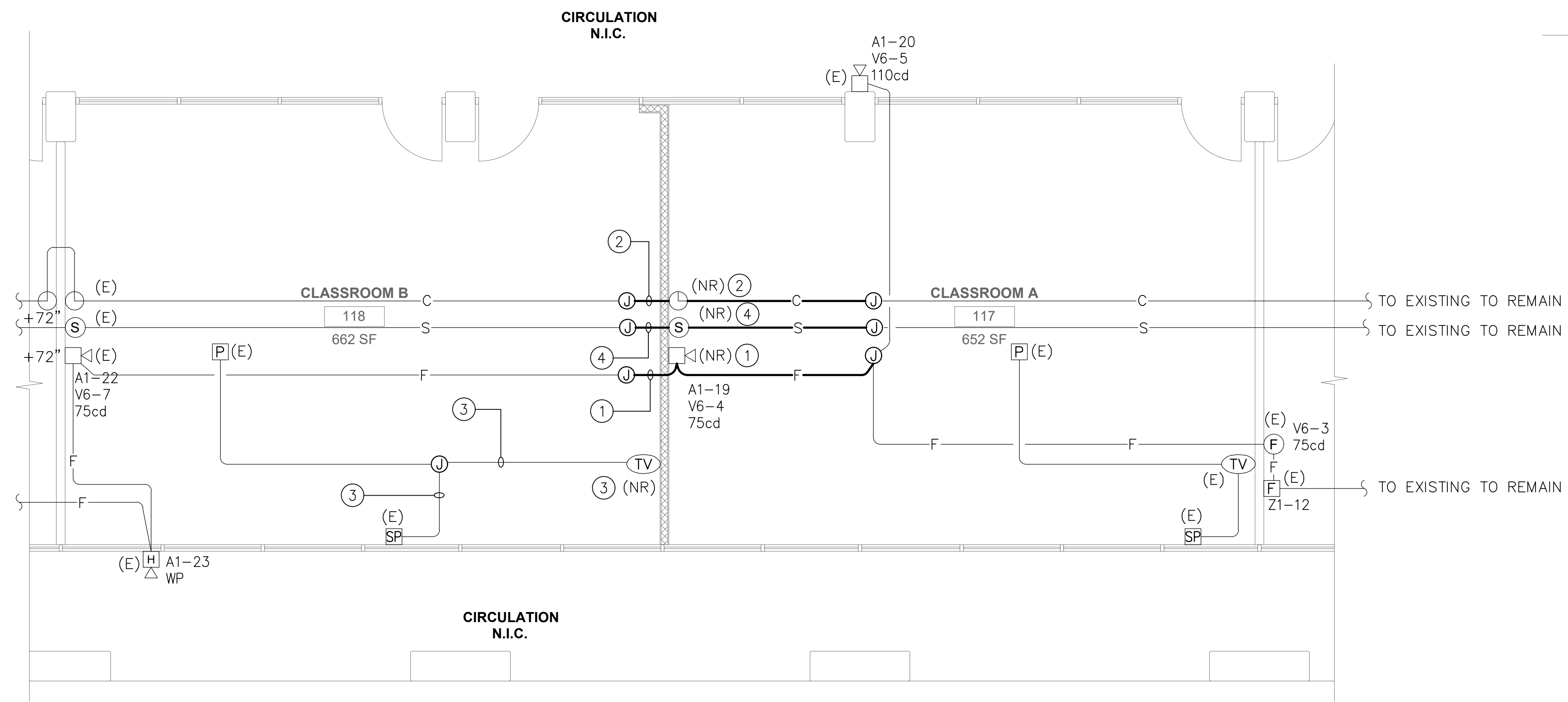
**LEVELS 1 & 2 NEW WORK - LIGHTING**

**SHEET NUMBER**

**E3.1**



**2**  
E3.2 **LEVEL 2 - SIGNAL NEW WORK PLAN**  
SCALE: 1/4"=1'-0"



**1**  
E3.2 **LEVEL 1 - SIGNAL NEW WORK PLAN**  
SCALE: 1/4"=1'-0"

**KEYNOTES**

**GENERAL NOTES**

1. THE EXISTING CIRCUIT NUMBERS SHOWN ON THE DRAWINGS ARE BASED ON RECORD DRAWINGS. THE CIRCUIT NUMBERS REPRESENT THE BEST INFORMATION AVAILABLE, BUT MAY NOT BE ACCURATE. PRIOR TO STARTING DEMOLITION, THE CONTRACTOR SHALL PERFORM A SURVEY AND RECORD THE EXISTING (VERIFIED) CIRCUITS FOR THE PROJECT. INCORRECT CIRCUIT NUMBERS SHALL BE CORRECTED ON THE AS-BUILT DRAWINGS.
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**KEY NOTES**

1. PROVIDE AND EXTEND 1/2" C- FA WIRING TO MATCH EXISTING FROM (E) DEVICE TO REMAIN. WIRING SHALL BE AS FOLLOWS:
  - a. D = DATA LINE (1)TWPR-#16 FPL
  - b. A = AUDIO SIGNAL CIRCUIT 2#12 THHN
  - c. V = VISUAL SIGNAL CIRCUIT 2#12 FPL THHN
  - d. P = POWER CIRCUIT 2#12 THHN
2. PROVIDE AND EXTEND CLOCK SYSTEM CONDUIT AND WIRING TO MATCH EXISTING FROM (E) CLOCK TO REMAIN.
3. PROVIDE AND EXTEND TV/PROJECTOR SYSTEM CONDUIT AND WIRING TO MATCH EXISTING FROM (E) TV/PROJECTOR TO REMAIN.
4. PROVIDE AND EXTEND PAGING SYSTEM CONDUIT AND WIRING TO MATCH EXISTING FROM (E) PAGING DEVICES TO REMAIN.

**WALL LEGEND**

- EXISTING WALL
- NEW PARTITION WALL

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SHEET TITLE

**LEVELS 1 & 2 NEW  
WORK SIGNAL**

SHEET NUMBER

**E3.2**