

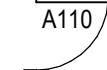



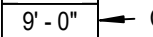


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ARCHITECTURAL SYMBOLS

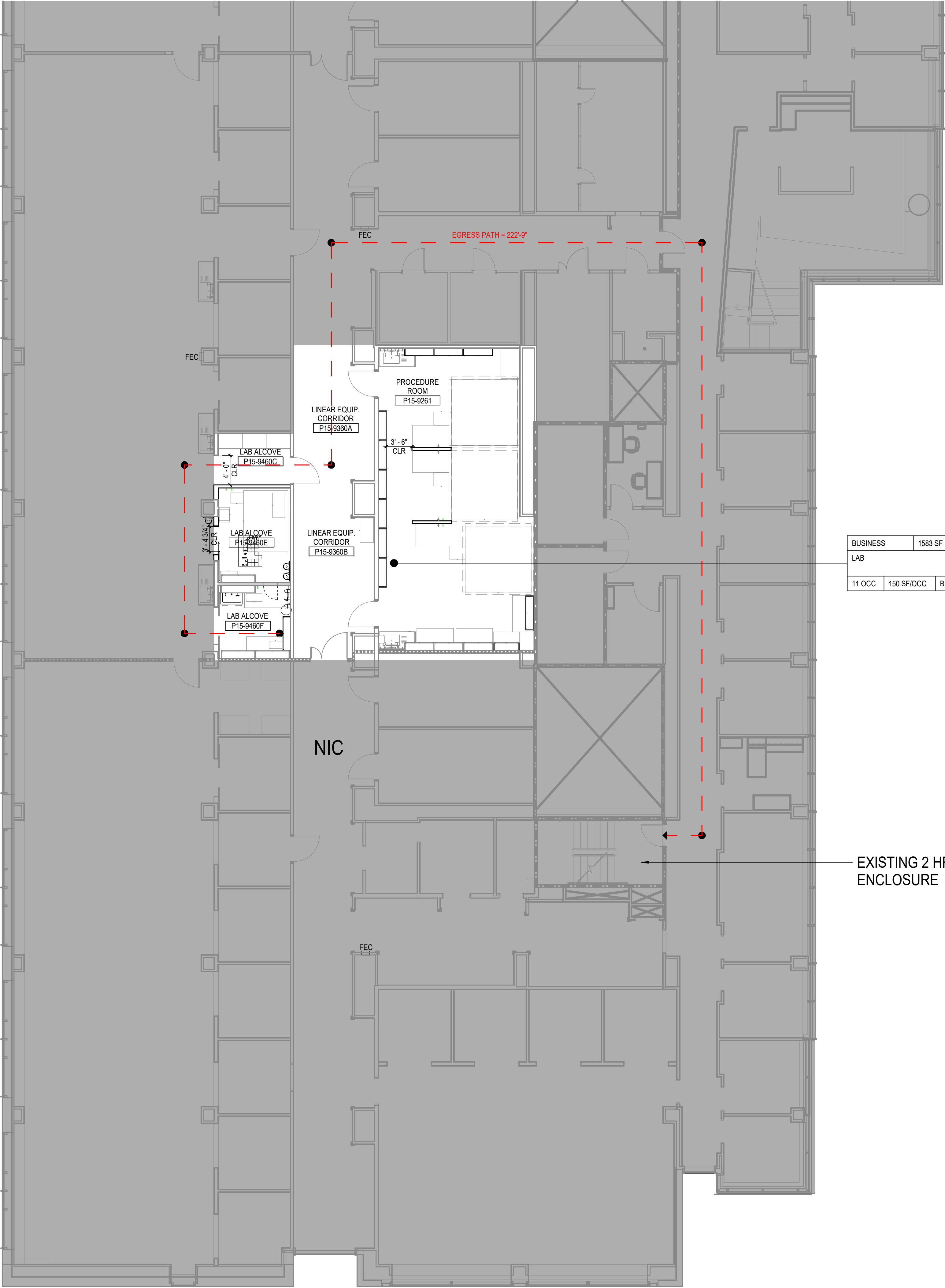
		CASEWORK ELEVATION
		DOOR NUMBER
		INTERIOR WINDOW NUMBER
		EXTERIOR WINDOW / CURTAIN WALL NUMBER
		WALL TYPE
		CEILING TYPE CEILING HEIGHT

THE PROJECT SCOPE CONSISTS OF SELECT DEMOLITION OF EXISTING WALLS, CEILING, LAB CASEWORK, LAB GAS & ELECTRICAL SYSTEMS. ENLARGEMENT OF LABS ALCOVE P15-6460C. INSTALLATION OF NEW CEILING AND LIGHT FIXTURES IT IS ASSUMED ALL OTHER EXISTING LIGHTING TO REMAIN UNMODIFIED. INSTALLATION OF NEW FUME EXTRACTION ARM IN LAB ALCOVE P15-6460F. INSTALLATION OF NEW LAB SINK AND CASEWORK IN P15-6460F. INSTALLATION OF NEW PARTITIONS IN PROCEDURE P15-6261. MODIFY EXISTING POWER LOCATIONS TO ACCOMMODATE REMOVED ITEMS & NEW EQUIPMENT. MODIFY EXISTING HVAC & PLUMBING SYSTEMS TO ACCOMMODATE REMOVED ITEMS & NEW EQUIPMENT. MODIFY EXISTING FIRE SUPPRESSION AS REQUIRED.

FIRE SUPPRESSION SPRINKLER SYSTEMS FIRE ALARM	
<h1>PROJECT TITLE</h1>	
CLIENT:	CU ANSCHUTZ 1945 N. WHEELING ST AURORA, CO 80015 CONTACT: STEPHANIE MENKE 303.483.1694 STEPHANIE.MENKE@CUANSCH.
ARCHITECT:	DLR GROUP 1400 LAWRENCE ST. SUITE 1000 DENVER, CO 80202 CONTACT: NICK KREITLER 720.370.1291 NKREITLER@DLRGROUP.CO
MECHANICAL PLUMBING ENGINEER:	DLR GROUP 1400 LAWRENCE ST. SUITE 1000 DENVER, CO 80202 CONTACT: DAVID ANDERSON 602.794.2022 DANDERSON@DLRGROUP.CO
ELECTRICAL ENGINEER:	DLR GROUP 1400 LAWRENCE ST. SUITE 1000 DENVER, CO 80202 CONTACT: GORDON ZIMMERMAN 303.216.6677 GZIMMERMAN@DLRGROUP.CO

INDEX OF DRAWINGS

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EXISTING 2 HR RATED STAIR ENCLOSURE

CODE PLAN, LEVEL 9
SCALE: 1/8" = 1'-0"

PROJECT DESCRIPTION

THE PROJECT SCOPE CONSISTS OF SELECT DEMOLITION OF EXISTING WALLS, CEILING, LAB CASEWORK, LAB GAS & ELECTRICAL SYSTEMS, ENLARGEMENT OF LAB ALCOVE P15-9460E, INSTALLATION OF NEW CEILING AND LIGHT FIXTURES IT IS ASSUMED ALL OTHER EXISTING LIGHTING TO REMAIN UNMODIFIED. INSTALLATION OF NEW FUME EXTRACTION ARM IN LAB ALCOVE P15-9460F, INSTALLATION OF NEW LAB SINK AND CASEWORK IN P15-9460F, INSTALLATION OF NEW PARTITIONS IN PROCEDURE P15-9201, MODIFY EXISTING POWER LOCATIONS TO ACCOMMODATE REMOVED ITEMS & NEW EQUIPMENT, MODIFY EXISTING HVAC & PLUMBING SYSTEMS TO ACCOMMODATE REMOVED ITEMS & NEW EQUIPMENT. THERE WILL BE NO CHANGE IN OCCUPANCY COUNT AND EXISTING EXITING WILL REMAIN.

APPLICABLE CODES

ACCESSIBILITY 2011 ICC/ANSI 117.1	ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES
INTERNATIONAL BUILDING CODE 2021 IBC 2021 IEBC 2021 IMC 2021 IPC 2021 IECC 2021 IFC	INTERNATIONAL BUILDING CODE AND STATE AMENDEMENTS INTERNATIONAL EXISTING BUILDING CODE INTERNATIONAL MECHANICAL CODE INTERNATIONAL PLUMBING CODE INTERNATIONAL ENERGY CONSERVATION CODE INTERNATIONAL FIRE CODE
NATIONAL FIRE PROTECTION CODE 2021 NFPA 13 2023 NFPA 70 2021 NFPA 72 2021 NFPA 101	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS NATIONAL ELECTRIC CODE NATIONAL FIRE ALARM AND SIGNALING CODE LIFE SAFETY CODE

CH. 3 OCCUPANCY CLASSIFICATION AND USE

OCCUPANCY CLASSIFICATION AND USE REMAINS UNCHANGED

CH. 5 BUILDING AREA

MAIN BUILDING (EXISTING BUILDING AREA) - EXISTING BUILDING. NO CHANGE IN AREA PROPOSED.
RENOVATED AREA: 1381 SF

CH. 6 CONSTRUCTION TYPE

TYPE I-A (EXISTING BUILDING) NO CHANGES, IN CONSTRUCTION TYPE

CH. 9 FIRE PROTECTION SYSTEMS

BUILDING IS FULLY SPRINKLERED IN ACCORDANCE WITH 903.2.2 AND 903.3.1.1 AUTOMATIC SPRINKLER SYSTEM PER NFPA-13 TO BE MODIFIED AS REQUIRED.

CH.10 MEANS OF EGRESS AND OCCUPANT LOAD

OCCUPANCY LOAD REMAINS UNCHANGED, MEANS OF EGRESS REMAINS UNCHANGED.
EXIT TRAVEL DISTANCE
6 OCCUPANCY - 300'-0"

CH. 11 ACCESSIBILITY

SPACES WITHIN EMPLOYEE WORK AREAS SHALL ONLY BE REQUIRED TO COMPLY WITH SECTION 807.5.3.1, 1009 AND 1104.3.1. NEW CONSTRUCTION TO BE DESIGNED AND CONSTRUCTED SO THAT INDIVIDUALS WITH DISABILITIES CAN APPROACH, ENTER AND EXIT THE WORK AREA.

1104.3.1 EMPLOYEE WORK AREAS EXCEPTION 1: COMMON USE PATHS LOCATED WITHIN WORK AREAS THAT ARE LESS THAN 1,000 SF IN SIZE AND DEFINED BY PERMANENTLY INSTALLED PARTITIONS, COUNTERS, CASEWORK OR FURNISHINGS, SHALL NOT BE REQUIRED TO BE ACCESSIBLE ROUTES.

LEGEND - CODE FLOOR PLANS

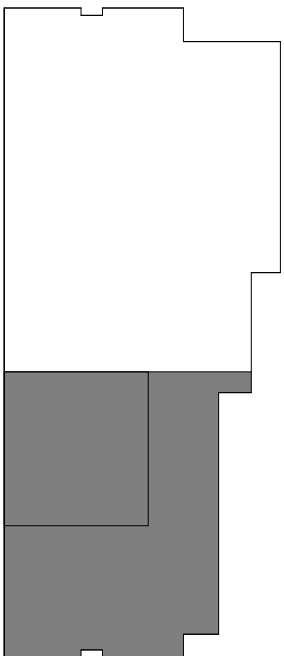
Area name	XXXX SF	OCCUPANT LOAD TAG (GROSS)
Space Function		- SEE PATTERN FOR APPLIED LOAD FACTOR
XXX OCC	XXX SF/OCC	G

MAX TRAVEL = Length
MAX CP = Length
EXIT ACCESS TRAVEL DISTANCE
COMMON PATH OF EGRESS TRAVEL DISTANCE

SEPARATION LEGEND

HOURLY RATING	
1 = 1 HOUR	
2 = 2 HOUR	
SP = SMOKE PARTITION	

KEY PLAN



DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS

DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS

THE CONTRACTOR SHALL

- COORDINATE ALL DEMOLITION AND PHASING EFFORTS WITH THE ARCHITECT AND OWNER'S REPRESENTATIVE. EVERY EFFORT SHALL BE MADE TO MINIMIZE THE IMPACT OF DEMOLITION OPERATIONS. EXCESSIVE NOISE OR VIBRATION SHALL BE PRE-APPROVED AND COORDINATED WITH THE OWNER'S REPRESENTATIVE. ALL DISPOSITIONS SHALL BE MADE FOR USER'S SAFETY.
- COORDINATE ANY CLOSURE OF UTILITY SERVICES WITH THE ARCHITECT AND OWNER'S REPRESENTATIVE.
- CONSTRUCT TEMPORARY CONSTRUCTION PARTITIONS WITHIN THE EXISTING BUILDING WHICH OFFER A ONE-HOUR ENCLOSURE TO PREVENT THE SPREAD OF FIRE AND SMOKE TO OTHERS. GENERAL PUBLIC AND AS DEEMED NECESSARY BY THE OWNER AND CODE OFFICIAL, HAVING JURISDICTION. COORDINATE WITH THE ARCHITECT AND OWNER TO MAINTAIN MEANS OF EGRESS THROUGHOUT THE WORK.
- MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT ALL DEMOLITION SITES.
- VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- REMOVE IN THEIR ENTIRETY ALL EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES, CEILINGS, SOFFITS, PARTITIONS, FLOORS, ROOFING, AND ALL OTHERS TO BE DEMOLISHED. MAINTAIN PROTECTION OF EXISTING WORK DESCRIBED BY THE DRAWINGS.
- THE ARCHITECT SHALL RESERVE THE RIGHT TO SALVAGE ANY MATERIALS.
- PROVIDE PROTECTION FOR ALL EXISTING BUILDING MATERIALS & UTILITIES FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT.
- REPLACE ITEMS THAT ARE DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISHES AND/OR CONDITION.
- THE ARCHITECT SHALL NOT BE REBUILT UNLESS NOTED OTHERWISE OR AS AUTHORIZED BY ARCHITECT.
- VERIFY AND MAINTAIN THE LOCATION OF EXISTING POWER, GAS, WATER, AND TELEPHONE LINES TO AVOID ANY INTERRUPTION OF THEIR SERVING.
- PATCH FLOOR, WALL, AND CEILING PENETRATIONS RESULTING FROM DEMOLITION OF NEW OR EXISTING PIPING, DUCTWORK, CONDUIT, AND OTHER ITEMS, AS REQUIRED TO MAINTAIN FIRE-RESISTANCE-RATED SEPARATIONS. FINISH AS REQUIRED TO MATCH EXISTING FINISHES.
- CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH EXISTING FINISHES.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
- REMOVE ALL EXISTING PLASTER AND GYP. TO BE REMOVED. PREPARE ADJACENT WALLS TO RECEIVE NEW PATCH/FINISH BY THE ARCHITECT.
- REMOVE ALL EXISTING PLASTER FINISH A MINIMUM OF 1-2" BEYOND DEMOLITION.

SHEET NOTES

- REMOVE EXISTING WALL. SAVE EXISTING WALL
MOUNTED RACING LIGHTS. REMOVE DEMOLITION
IN NEW CONSTRUCTION. COORDINATE WITH
ELECTRICAL DEMOLITION PLANS.
- REMOVE EXISTING WALL MOUNTED SHELVEING
AND RAILAGE FOR RE-INSTALLATION IN NEW
CONSTRUCTION. PATCH AND REPAIR WALL FOR
NEW FINISH.
- REMOVE EXISTING SERVICE CHASE AND
SUPPORT STRUCTURE. REFER TO MECHANICAL
AND ELECTRICAL DRAWINGS FOR UTILITIES.
COORDINATE WITH CIVIL ENGINEERING FOR
OF INFORMATION TECHNOLOGY FOR ITEMS TO BE
SALVAGED AND RELOCATED.
- REMOVE EXISTING WALL MOUNTED COUNTERTOP
SUPPORTS. RETURN TO OWNERS STORAGE.
PATCH AND REPAIR WALL FOR NEW FINISH.
- REMOVE EXISTING AC GRID AND TILES LIGHT
FIXTURES. COORDINATE WITH MECHANICAL, HVAC
AND ELECTRICAL DEMOLITION PLANS.
- REMOVE PORTION OF EXISTING AC GRID AND
TILES.
- EXISTING RACEWAY AND TASK LIGHTING TO BE
REMOVED. COORDINATE WITH ELECTRICAL
DEMOLITION PLANS.
- NOT TO BE STORED EXISTING MOVEABLE
CASEWORK, TABLES, AND WALL MOUNTED
SHELVEING UNITS FOR RE-USE PER OWNERS
REQUEST, OR AS REQUIRED FOR NEW WORK.
COORDINATE WITH OWNER.
- REMOVE EXISTING GAS SERVICE FUTURE/VALVE.
REFER TO PLUMBING DRAWINGS FOR EXTENT OF
DEMOLITION.
- EXISTING GAS VALVE TO BE RELOCATED IN NEW
WALL. REFER TO RENOVATION PLAN FOR
LOCATIONS. REFER TO PLUMBING DRAWINGS FOR
MORE INFORMATION.
- REMOVE EXISTING WALL MOUNTED LOCK BOXES
AND RETURN TO OWNERS STORAGE. PATCH AND
REPAIR WALL FOR NEW FINISH.



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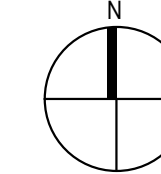
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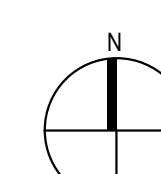
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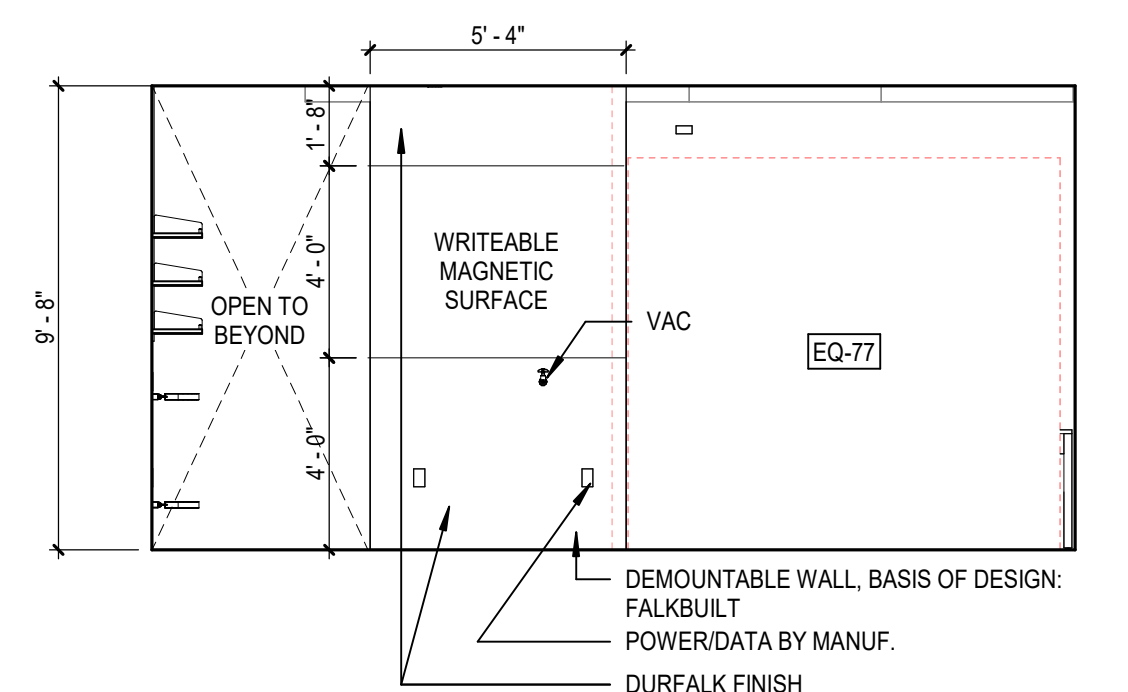
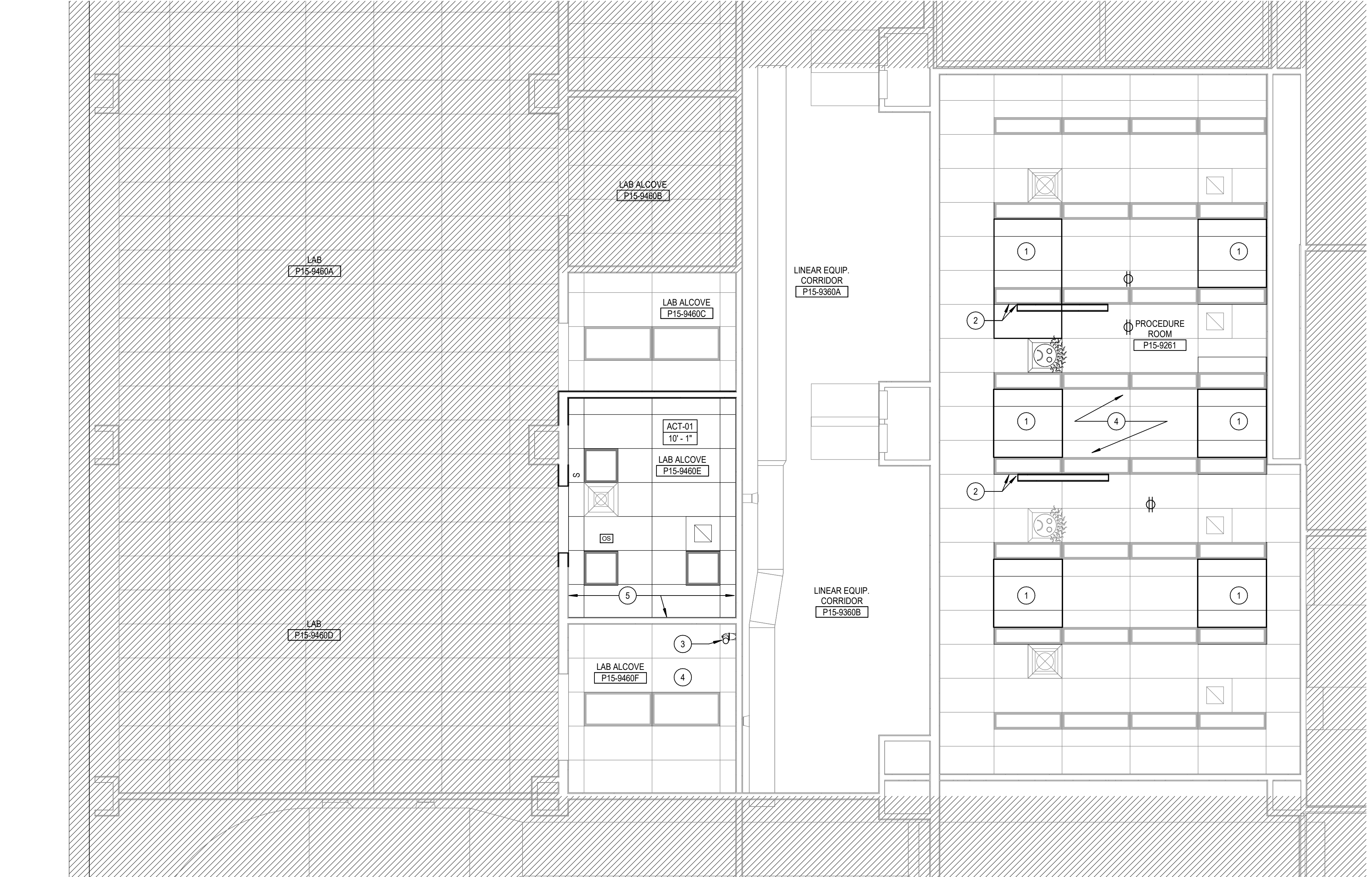
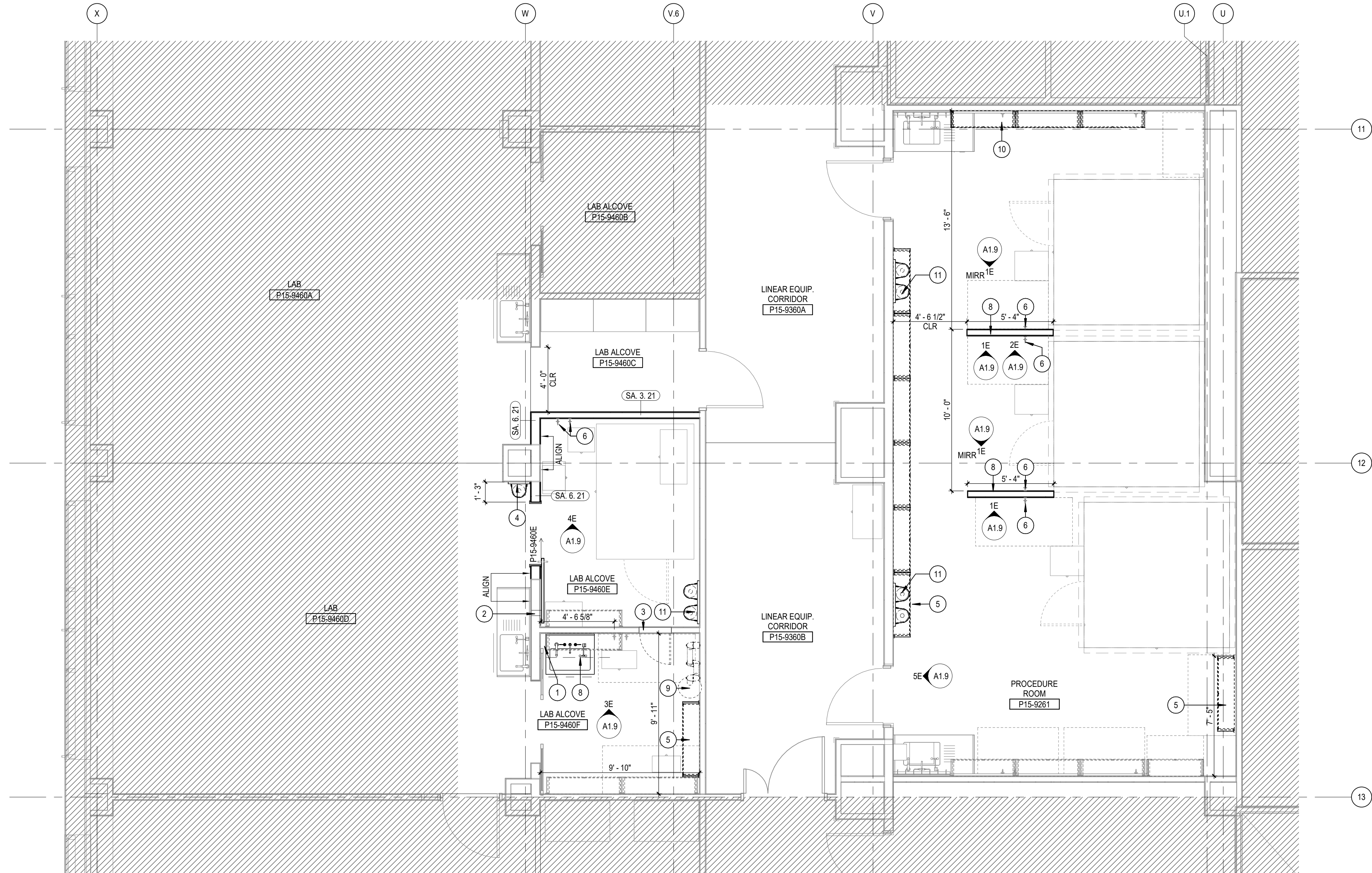
ENLARGED FLOOR PLAN

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

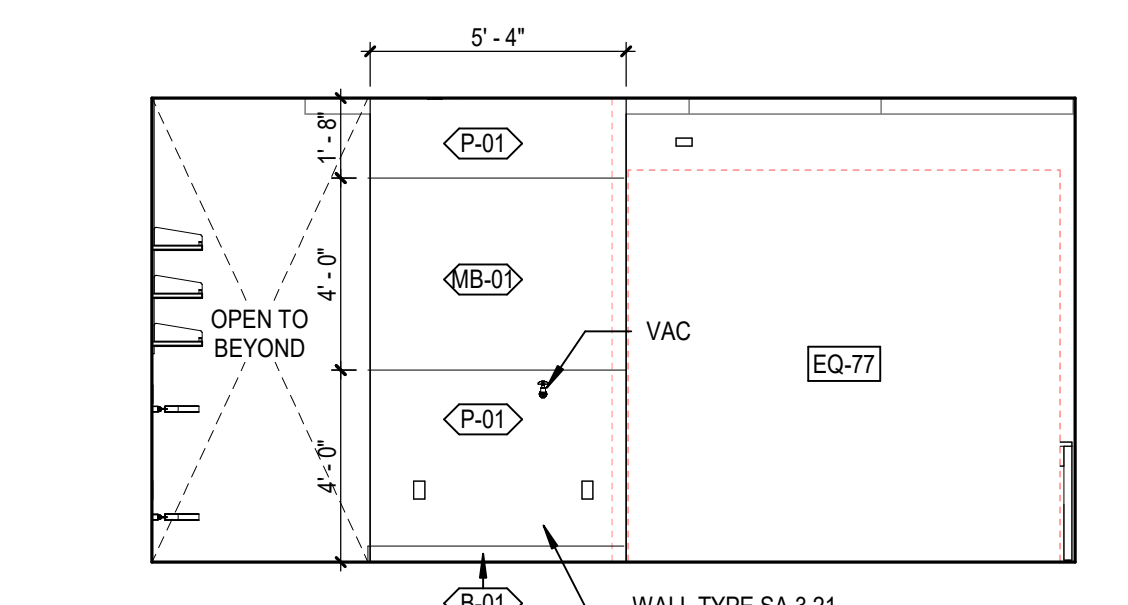


ENLARGED REFLECTED CEILING PLAN

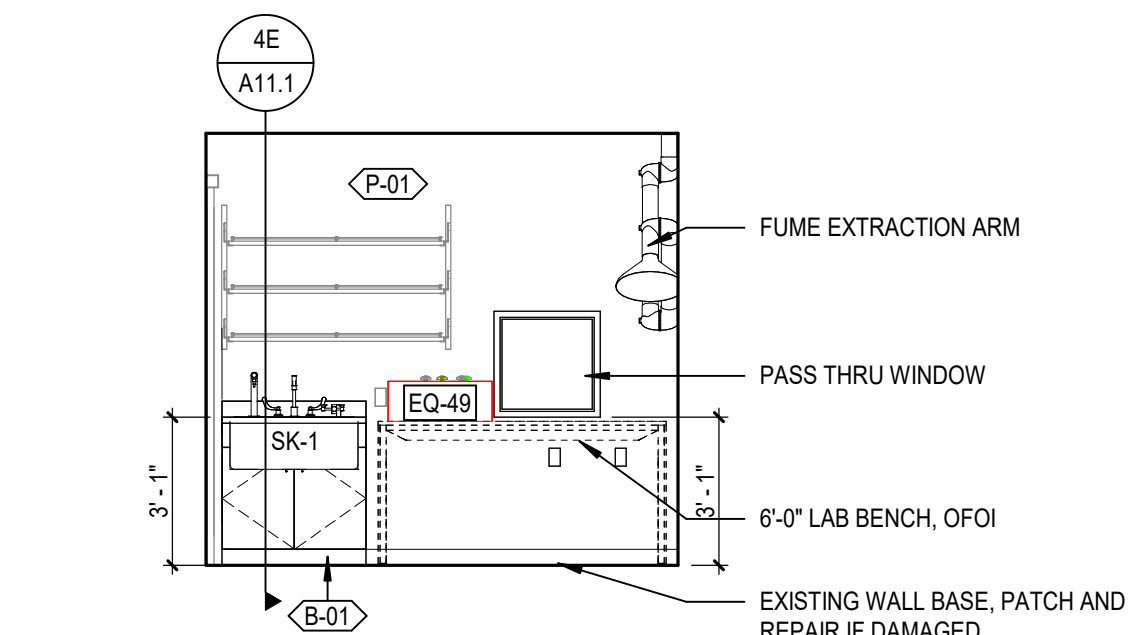
SCALE: 1/4" = 1'-0"



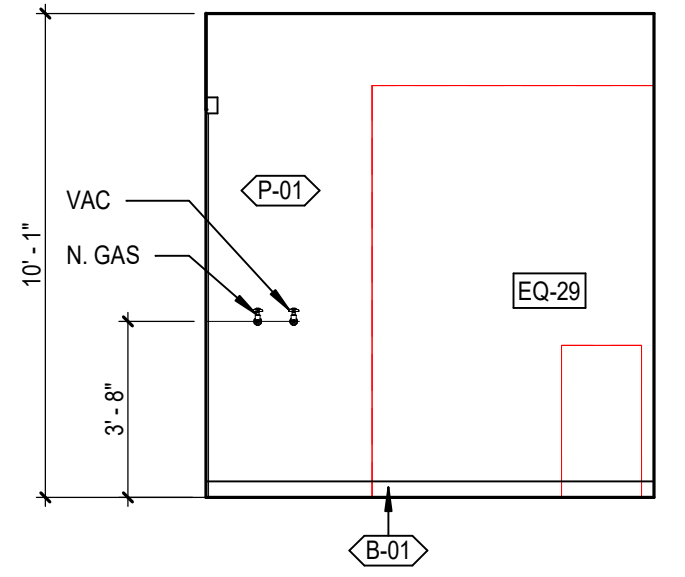
1E PARTITION ELEVATION - BASE BID
A1.9 SCALE: 1/4" = 1'-0"



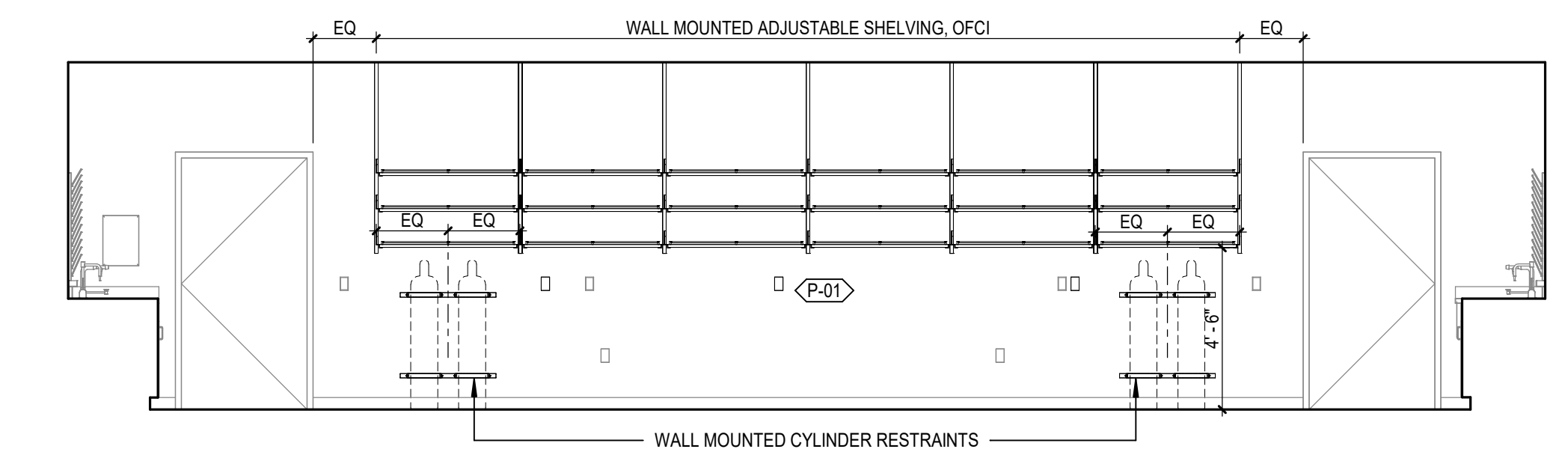
2E PARTITION ELEVATION - DEDUCT ALTERNATE
A1.9 SCALE: 1/4" = 1'-0"



3E NORTH ELEVATION - LAB ALCOVE P15-9460F
A1.9 SCALE: 1/4" = 1'-0"



4E NORTH ELEVATION - LAB ALCOVE P15-9460E
A1.9 SCALE: 1/4" = 1'-0"



5E WEST ELEVATION - PROCEDURE ROOM P15-9261
A1.9 SCALE: 1/4" = 1'-0"

GENERAL ARCHITECTURAL NOTES

1. PARTITION TYPES SHALL BE DESIGNATED ON FLOOR PLANS
2. FURNISH AND INSTALL FIRE-TREATED WOOD BLOCKING OR METAL BACKING PLATE IN METAL STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS, I.E. TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, WARNER BOARDS, TACK BOARDS, DOOR STOPS, AUDIO VISUAL BRACKETS, AND OTHER WALL ATTACHED ITEMS.
3. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
4. PROVIDE SEISMIC BRACING FOR SUSPENDED CEILINGS OR AS SHOWN ON THE DRAWINGS.

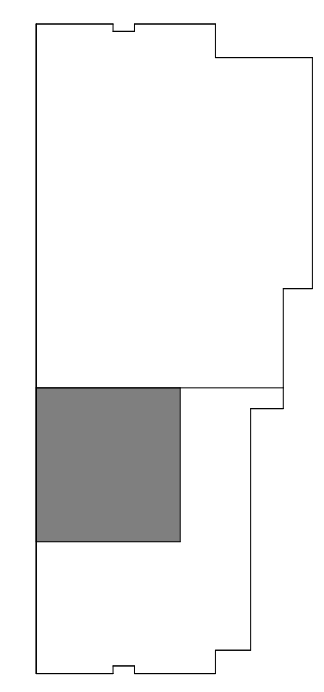
FLOOR PLAN NOTES

1. HOLD NEW LAB CASEWORK 4" FROM EXISTING WALL FOR EXISTING SLIDING DOOR.
2. PATCH AND REPAIR WALL TO ENSURE NO OPENINGS REMAIN.
3. PASS THRU SPECIMEN WINDOW, BASIS OF DESIGN: TERRA UNIVERSAL, MODEL NUMBER 1704-22A, CFCI.
4. PROVIDE WALL MOUNTED SINGLE CYLINDER RESTRAINT.
5. REINSTALL SALVAGED WALL STANDARDS AND SHELVING. INSTALL WALL STANDARDS AND SHELVING FROM OWNER'S STOCK AS NEEDED. COORDINATE WITH OWNER ON AVAILABILITY AND SIZING. INSTALL BLOCKING IN WALL AS REQUIRED.
6. LAB GAS FIXTURE AT WALL MOUNTED 44" AFF. RE: PLUMBING FOR TYPE AND ROUTING INFORMATION.
7. DEMOUNTABLE WALL SYSTEM, BASIS OF DESIGN: FALKBUILT WITH INFECTION CONTROL FILTERS.
8. FUME EXTRACTOR ARM, BASIS OF DESIGN: NEDERMAN BENCHTOP EXTRACTOR ARM FVZ 75 ORIGINAL, WALL MOUNTED. PROVIDE BLOCKING IN WALL AS REQUIRED.
9. OWNER PROVIDED OWNER INSTALLED SHELVING ON EXISTING WALL STANDARDS.
10. PROVIDE WALL MOUNTED DOUBLE CYLINDER RESTRAINT.

RCP NOTES

1. INFILL CEILING WITH ACT TILE AND GRID TO MATCH EXISTING.
2. ALIGN EDGE OF NEW PARTITION TO EDGE OF EXISTING CEILING GRID.
3. FUME EXTRACTOR ARM, COORDINATE FINAL LOCATION/PLACEMENT WITH OWNER.
4. CEILINGS TO BE REMOVED FOR EXTENT OF OVERHEAD WORK AND REPLACED IN KIND.
5. EXTEND GWB 6" ABOVE NEW CEILING.

KEY PLAN



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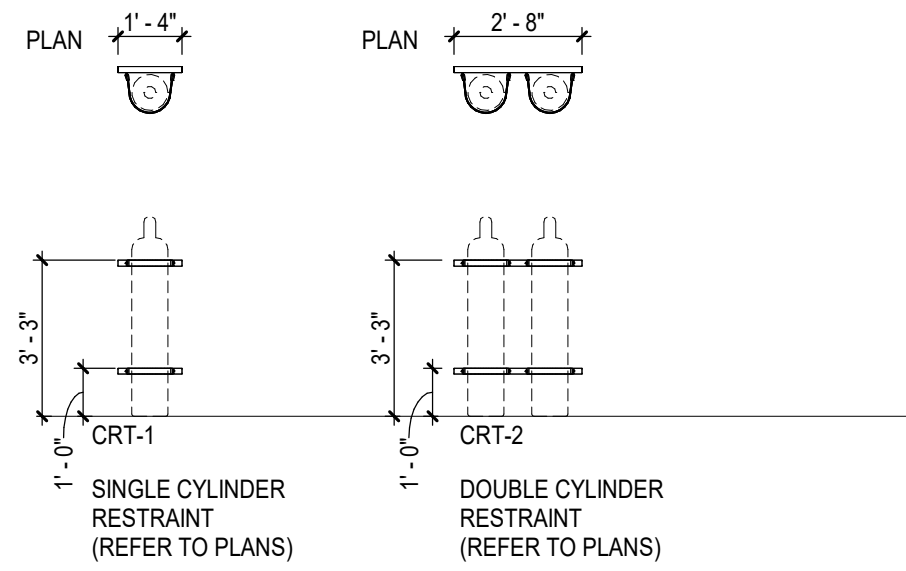
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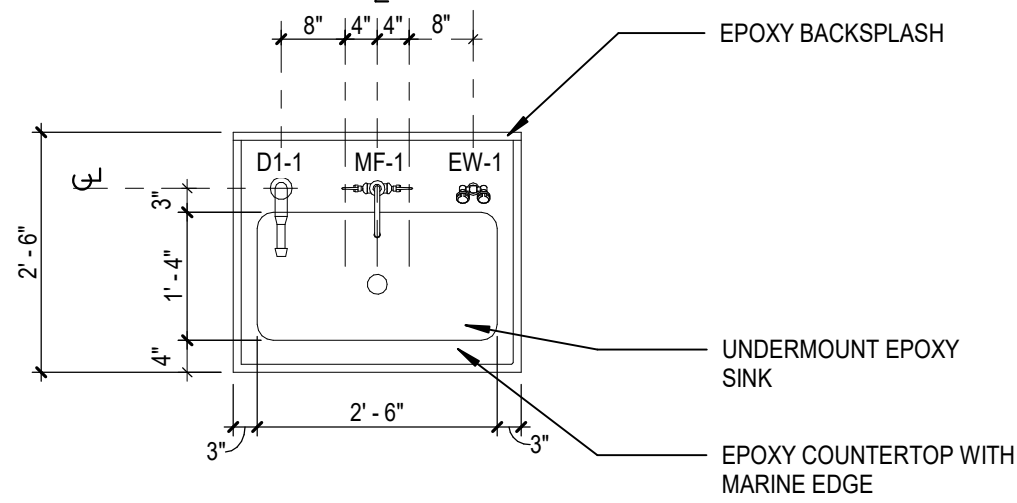
ACCESSORIES



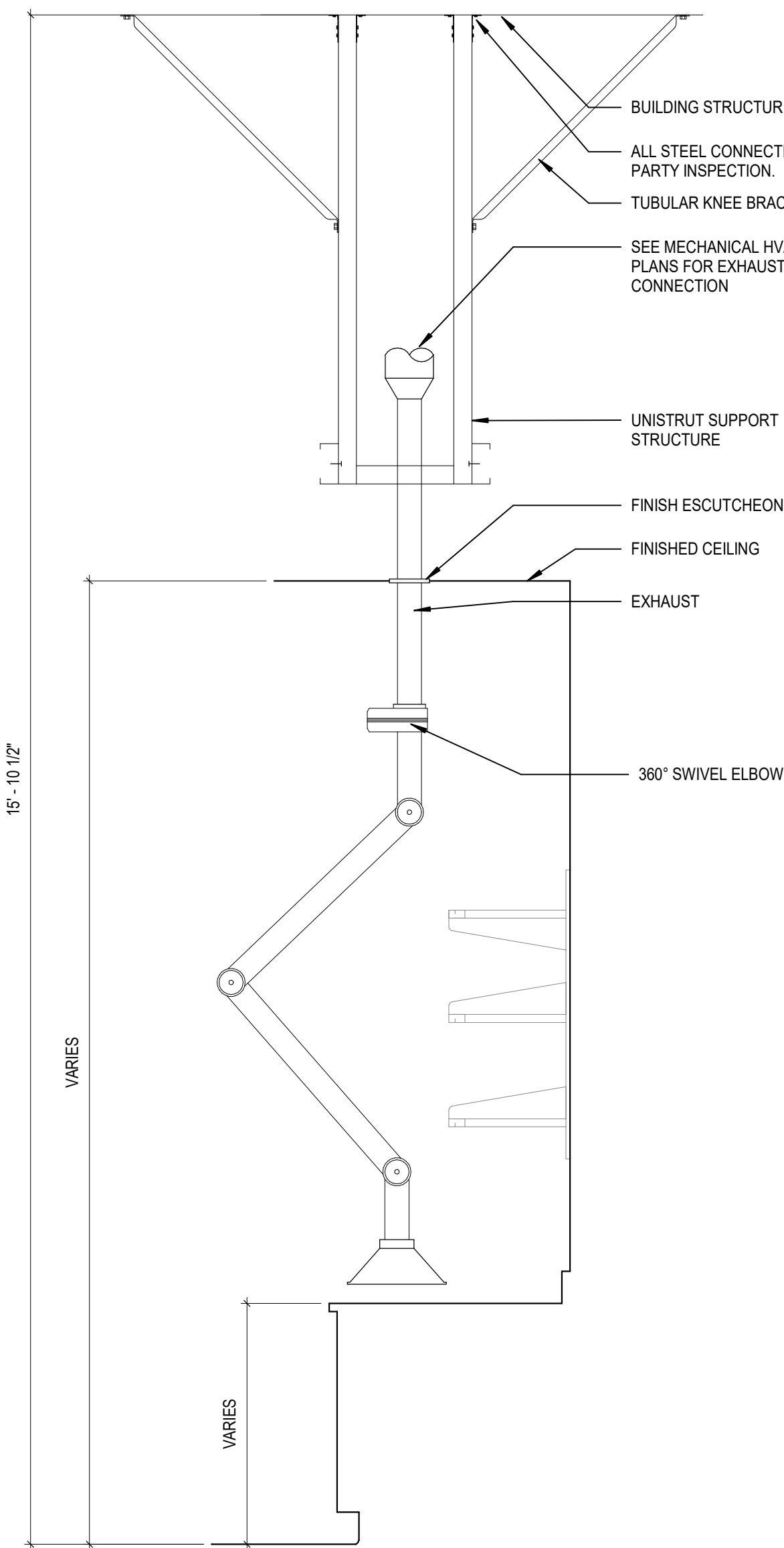
LABORATORY FIXTURE LEGEND

EW-1	MF-1	DI-1	VAC N GAS
DECK MTD SWINGS-DOWN EYE WASH	DECK MTD MIXING FAUCET - HANDS FREE & WRIST BLADE CONTROLS	DECK MTD SINGLE SPECIALTY FAUCET (REFER TO PLUMBING)	WALL MTD SINGLE GAS VALVE

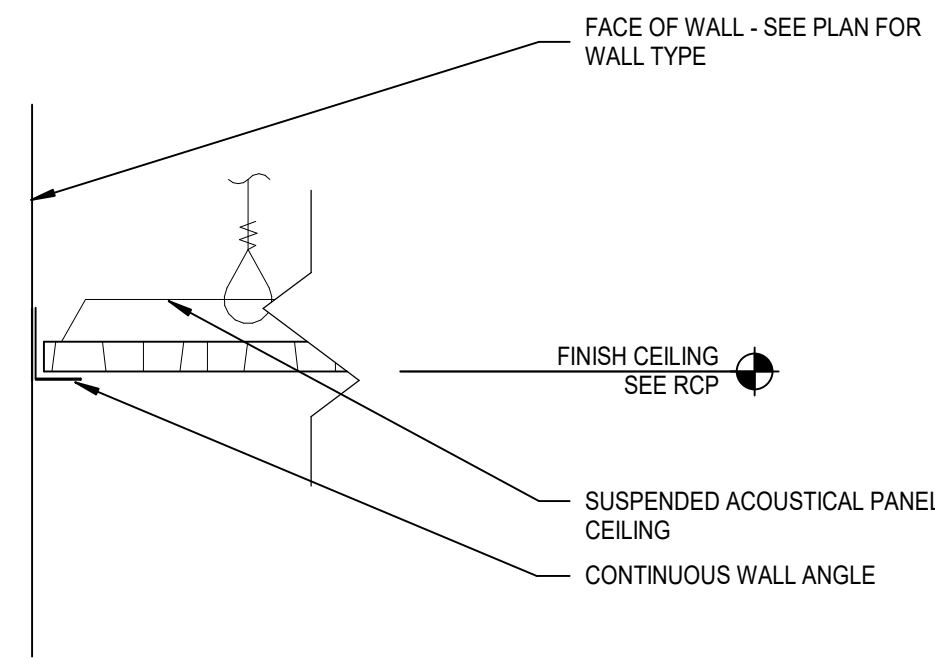
TYPICAL SINK LAYOUT



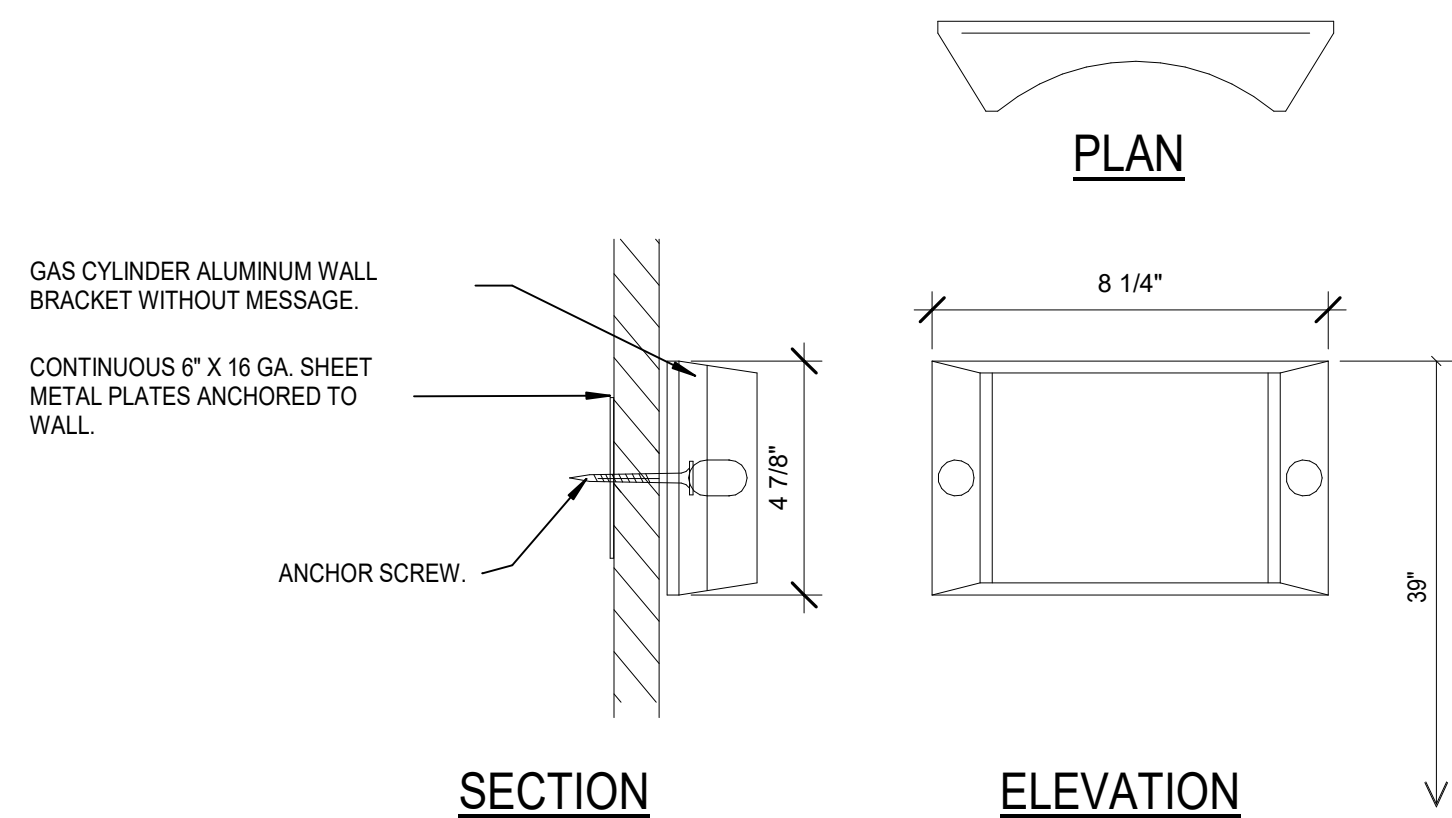
20 LAB - SNORKEL
A11.1 SCALE: 3/4" = 1'-0"



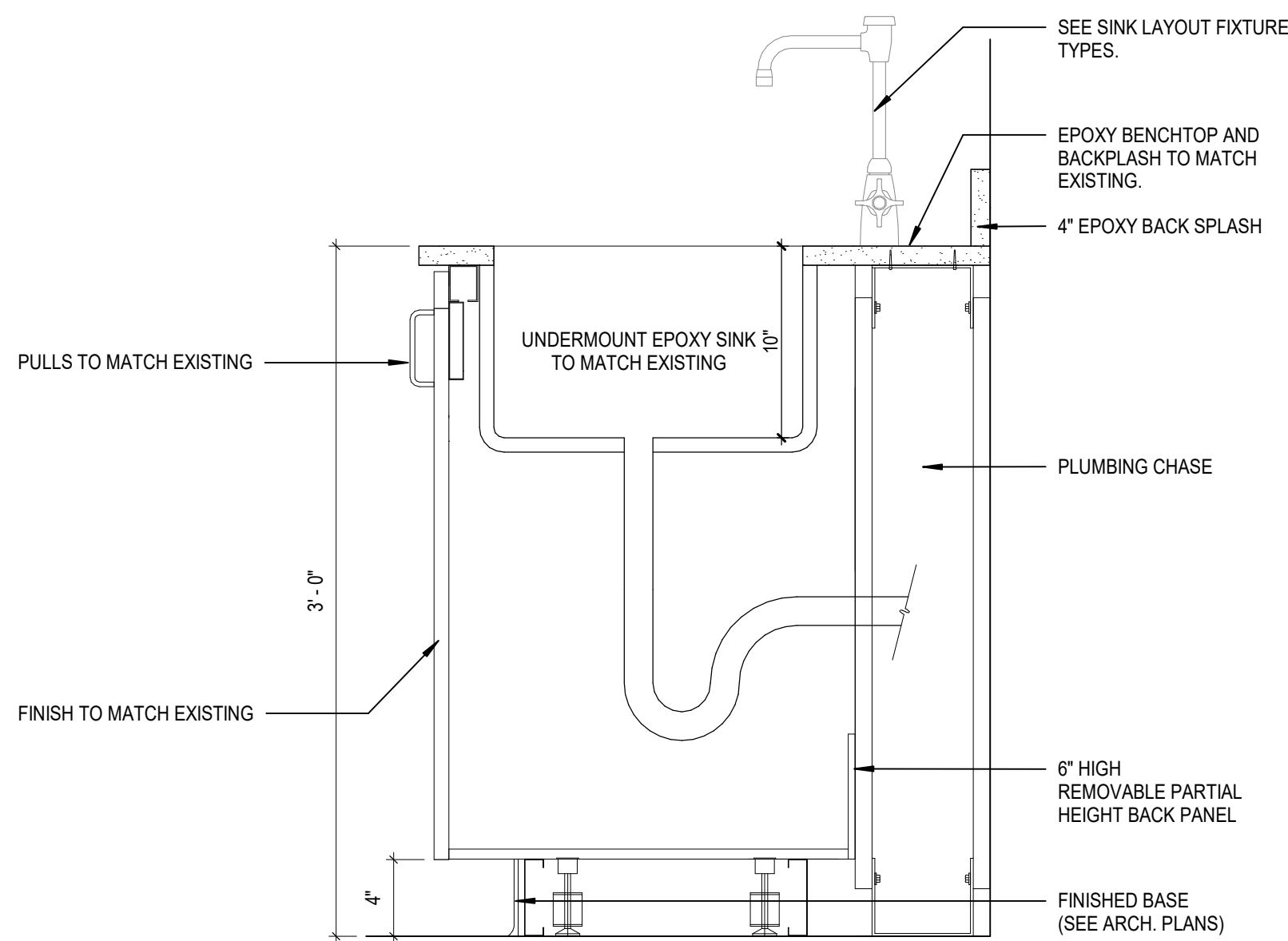
2E APC PERIMETER @ WALL TILE
A11.1 SCALE: 3" = 1'-0"



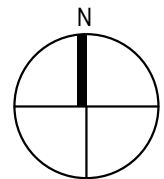
3E GAS CYLINDER DETAIL
A11.1 SCALE: 3" = 1'-0"



4E LAB - CASEWORK SECTION DETAIL
A11.1 SCALE: 1 1/2" = 1'-0"

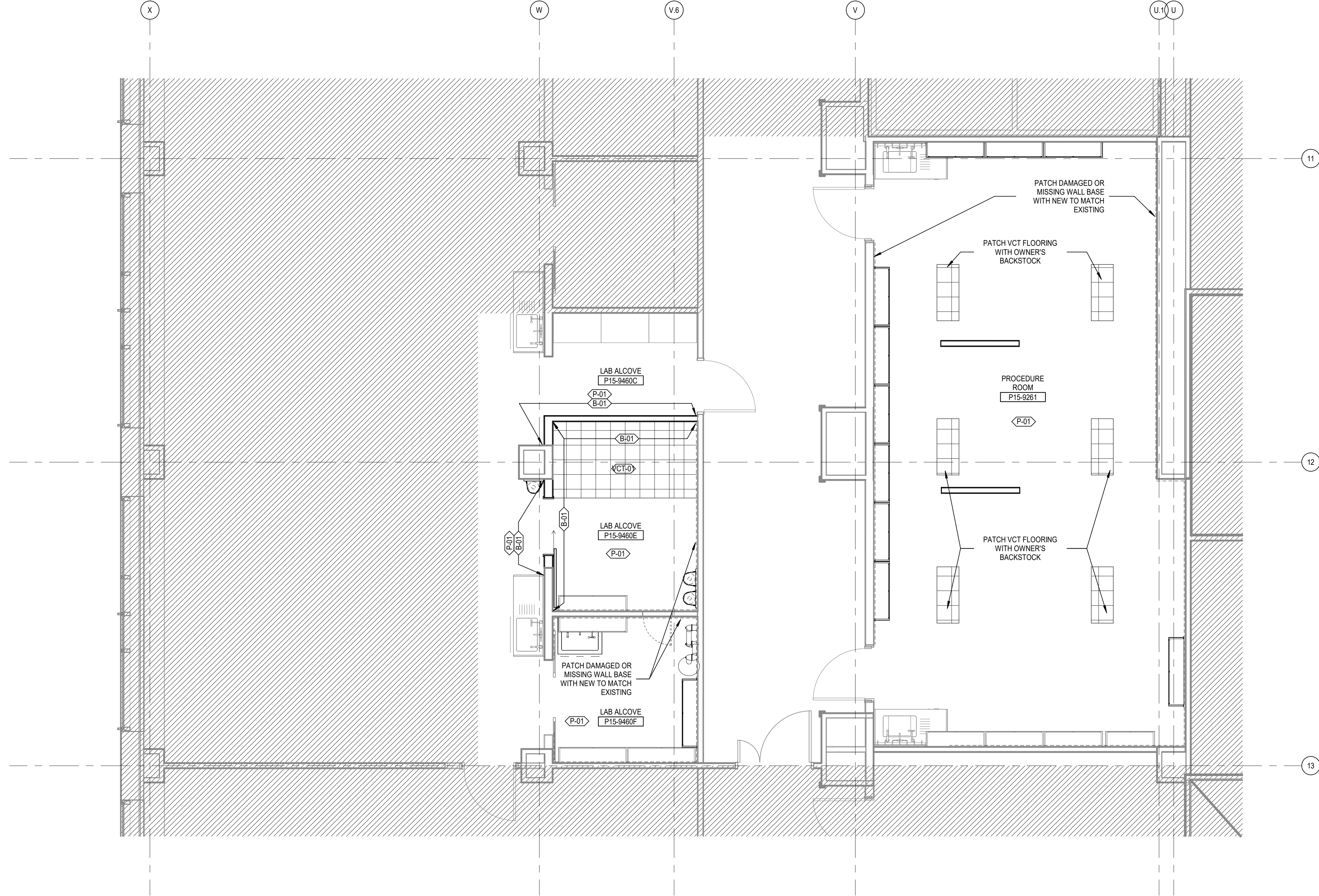


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FINISH FLOOR PLAN

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



FINISH SCHEDULE						
TAG	DESCRIPTION	MANUFACTURER	PRODUCT	COLOR/FINISH	SIZE	COMMENTS
095100	ACOUSTIC CEILING TILE					
ACT-01	LAB CEILING TILE	ARMSTRONG	ULTIMA HEALTH ZONE	WHITE	24" X 48" X 3/4"	TO MATCH EXISTING
096500 RESILIENT FLOORING						
B-01	RESILIENT BASE	JOHNSONITE		#31 ZEPHYR	4"	TO MATCH EXISTING
096500 VINYL COMPOSITION TILE						
VCT-01	VINYL COMPOSITION TILE	ARMSTRONG	IMPERIAL TEXTURE	TO MATCH EXISTING		
099000 PAINTING						
P-01	WALL PAINT	SHERWIN WILLIAMS	LOW VOC, PREMIUM PAINT	TO MATCH EXISTING		
101100 INFORMATION SPECIALTIES						
MB-01	MARKER BOARD	DEKO MARKERBOARDS	MARKERBOARD	DIAMOND	REFER TO ELEVATIONS	

INTERIOR FINISH PLAN
GENERAL NOTES

- A. INTERIOR FINISH PLAN GENERAL NOTES APPLY TO ALL INTERIOR FINISH PLAN SHEETS.
B. FOR FLOOR TILE PRODUCTS, ADJUST LAYOUT AS NECESSARY TO AVOID USING CUT WIDTHS THAT EQUAL LESS THEN ONE-HALF OF A TILE AT ROOM PERIMETER.
C. PATCH AND PAINT ALL EXISTING WALLS AS REQUIRED. ALL NEW WALLS TO BE PAINTED P-01.



CU DENVER | ANSCHUTZ - 9TH FLOOR
PHYSIOLOGY MOVE

12700 E 19TH AVE
AURORA, CO 80015

CONSTRUCTION DOCUMENTS
12/18/2023
REVISIONS

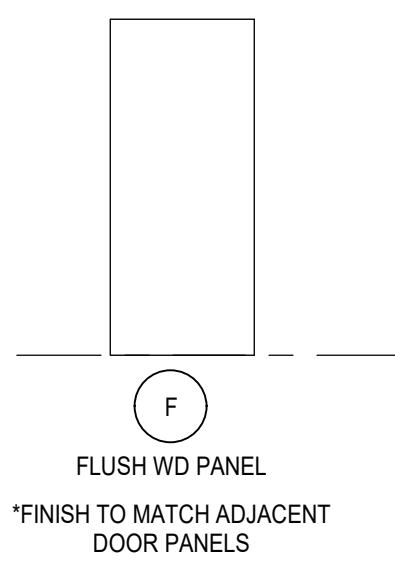
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FINISH FLOOR
PLAN AND
SCHEDULE -
LEVEL 9

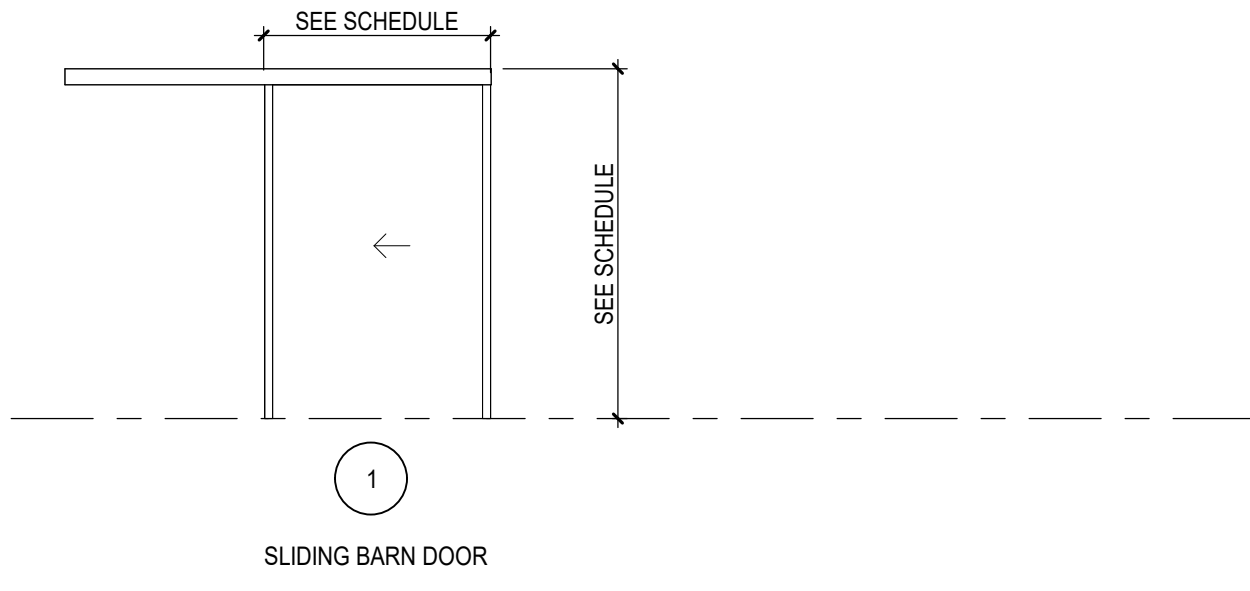
A12.9

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DOOR AND FRAME SCHEDULE															
NUMBER	PANEL						FRAME				DETAILS				COMMENTS
	NO OF PANELS	WIDTH	HEIGHT	THICKNESS	MATERIAL	TYPE	MATERIAL	TYPE	FIRE RATING	HARDWARE SET	HEAD	JAMB LEFT	JAMB RIGHT	SILL	
P15-9480E	1	4'-0"	8'-0"	1 3/4"	WD	F	ALUM	1	N/A	H1	3B/A&1	3C/A&1	3C/A&1	-	BASIS OF DESIGN: AD SYSTEMS EXAM SLIDER



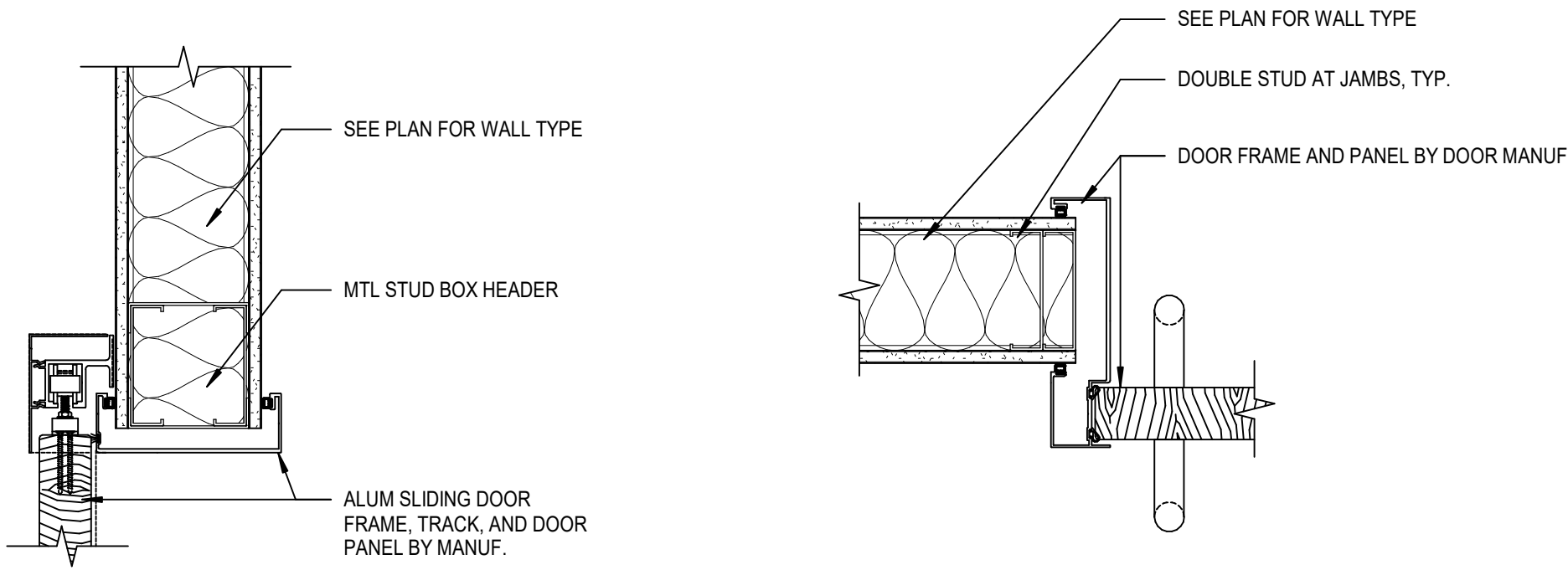
DOOR PANEL TYPES



INTERIOR FRAME TYPES

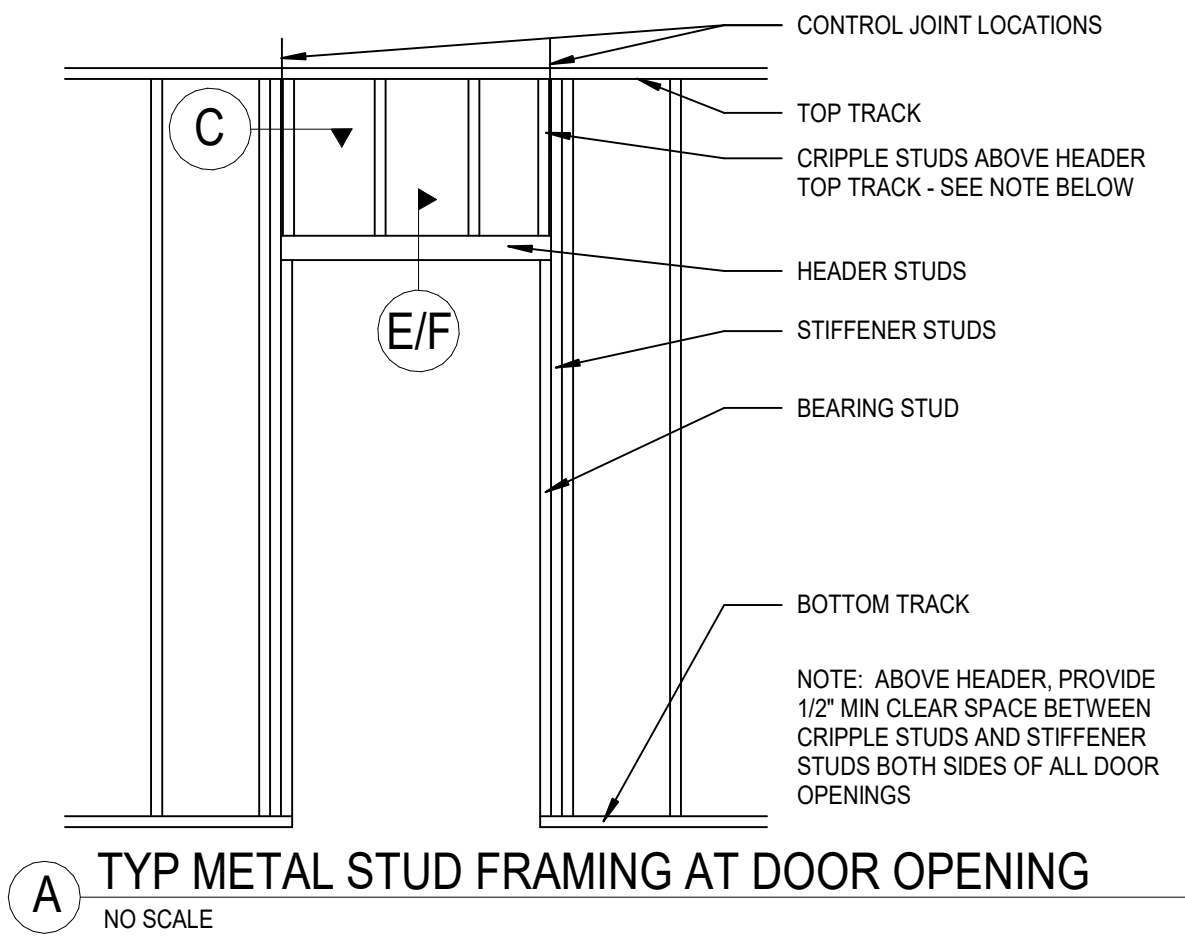
DOOR HARDWARE SETS

H1 - OFFICE
HARDWARE BY DOOR MANUF.
1 EA MORTISE DEADBOLT CYLINDER AND THUMBTURN
1 SET LADDER PULLS
1 EA SMALL FORMAT INTERCHANGEABLE CORE
FINISH: 626

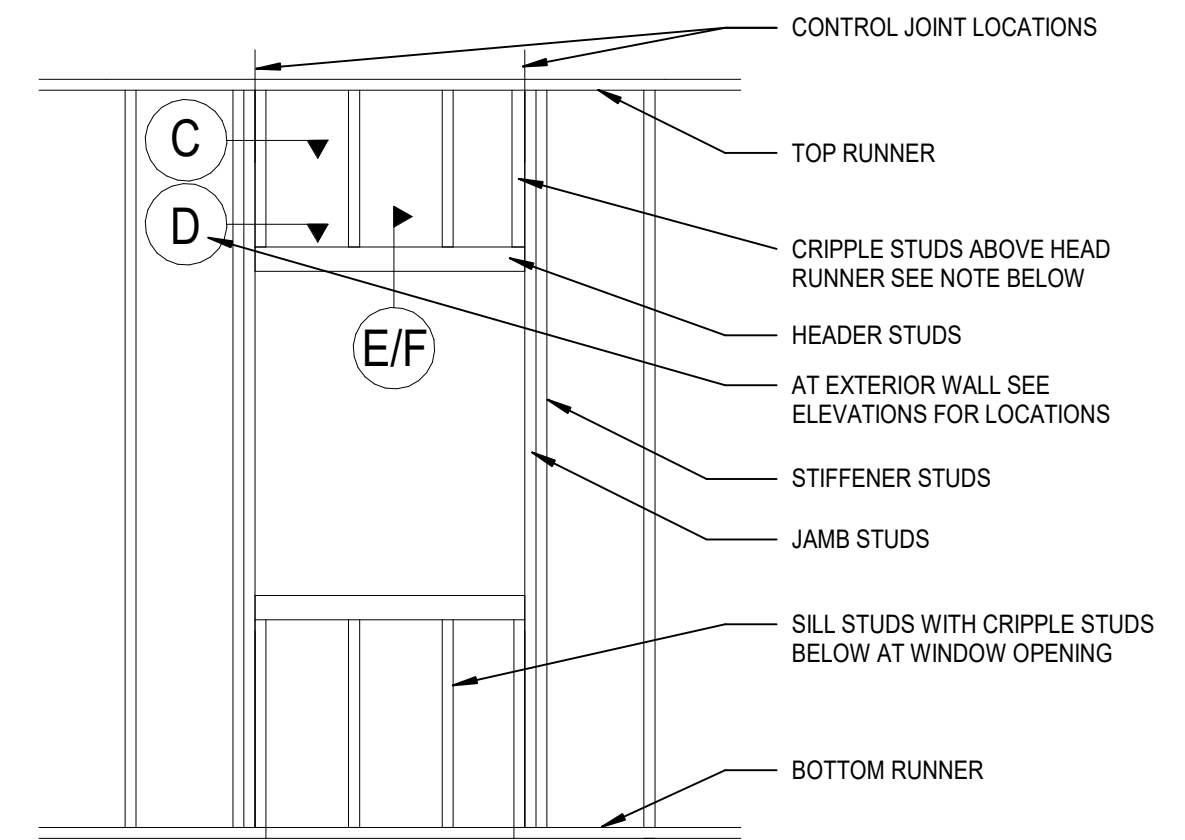


3B
A&1
DOOR HEAD SECTION DTL
SCALE: 1 1/2" = 1'-0"

3C
A&1
DOOR JAMB DTL
SCALE: 1 1/2" = 1'-0"

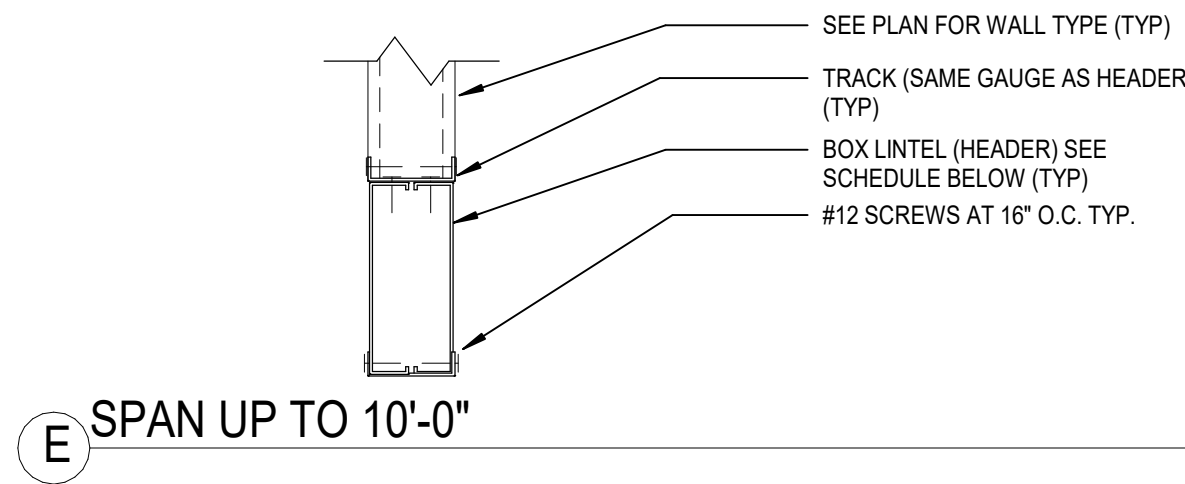


A
NO SCALE
TYP. METAL STUD FRAMING AT DOOR OPENING

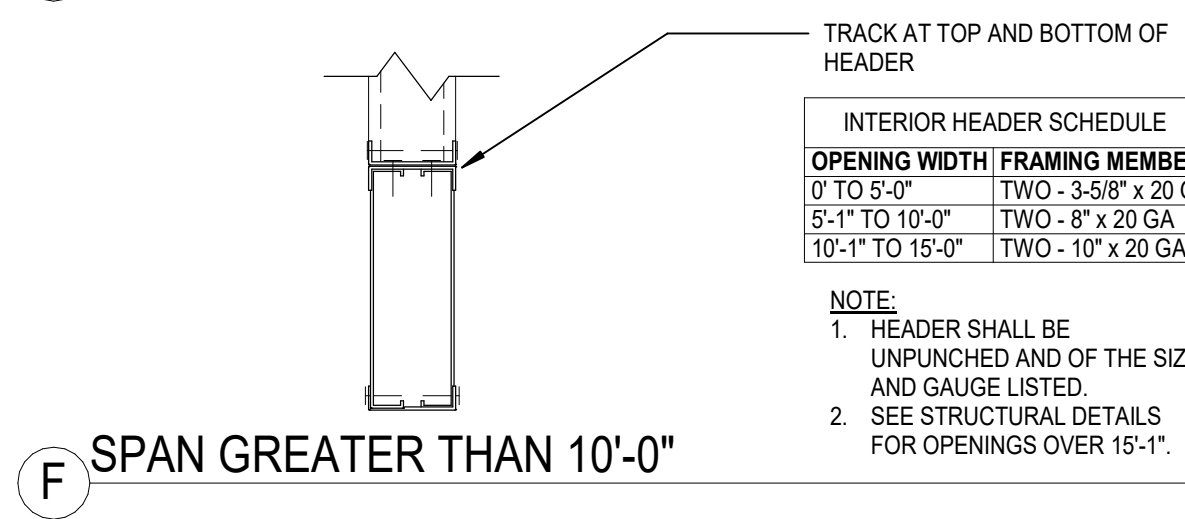


B
NO SCALE
TYP. METAL STUD FRAMING AT FRAME OPENING

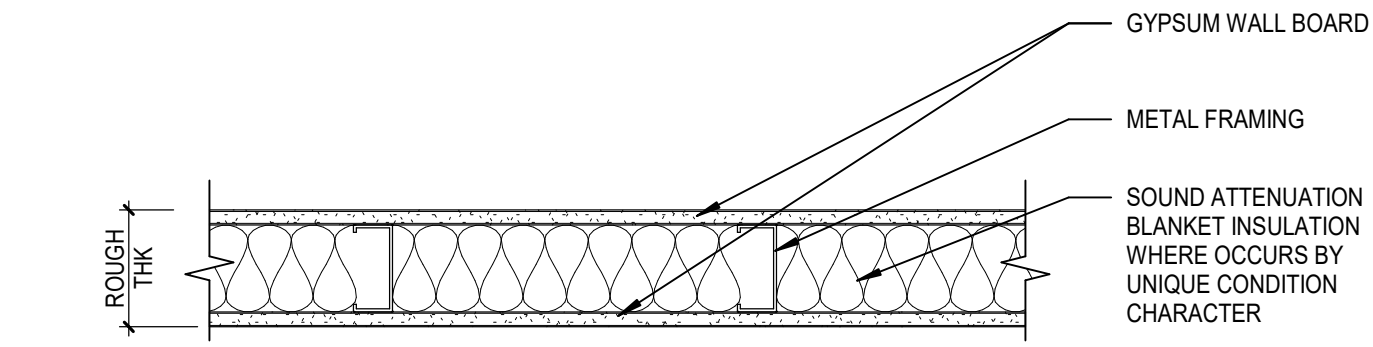
5B
A&1
METAL STUD OPENINGS AND CONTROL JOINTS
SCALE: 1 1/2" = 1'-0"



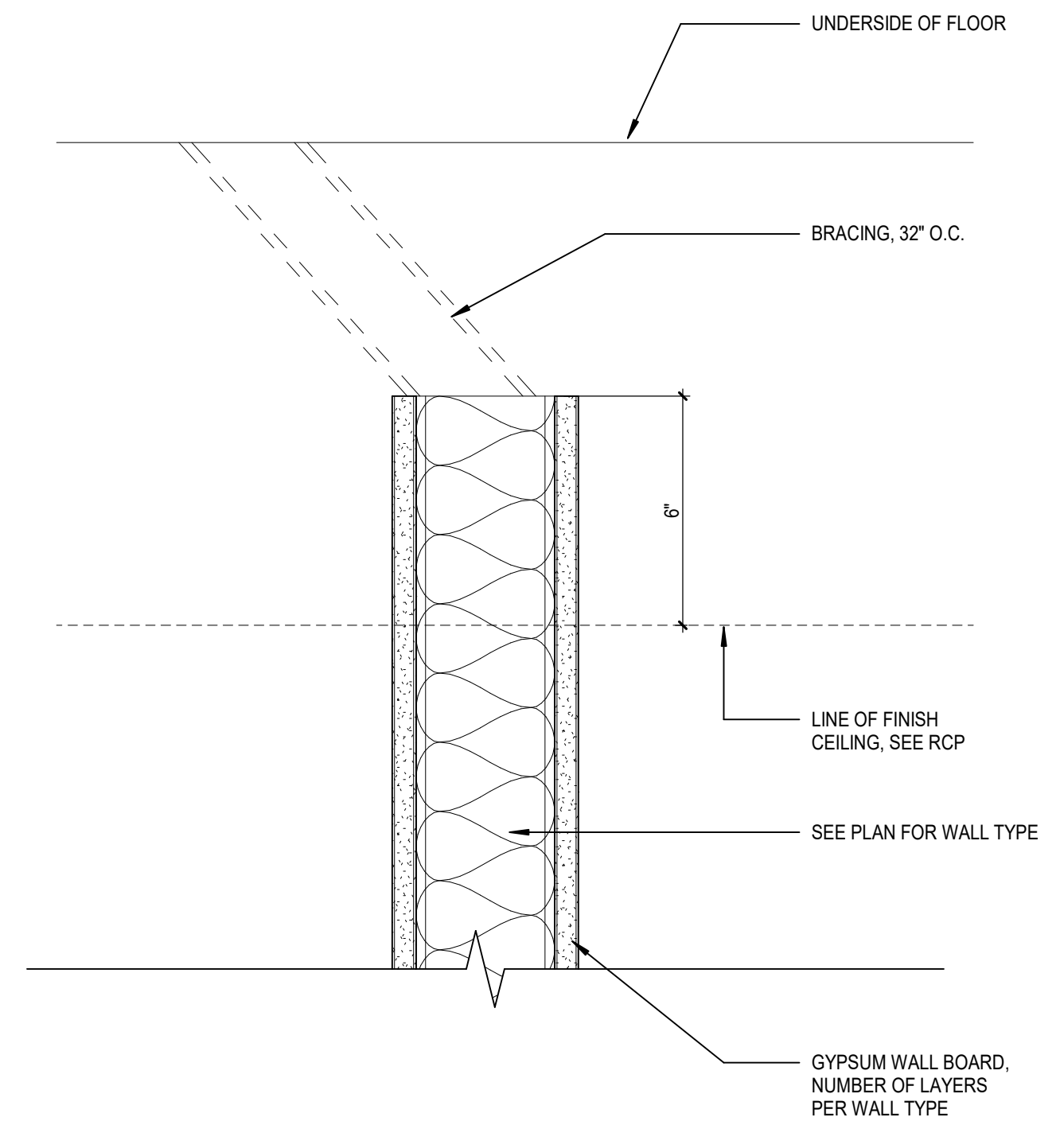
E
SPAN UP TO 10'-0"



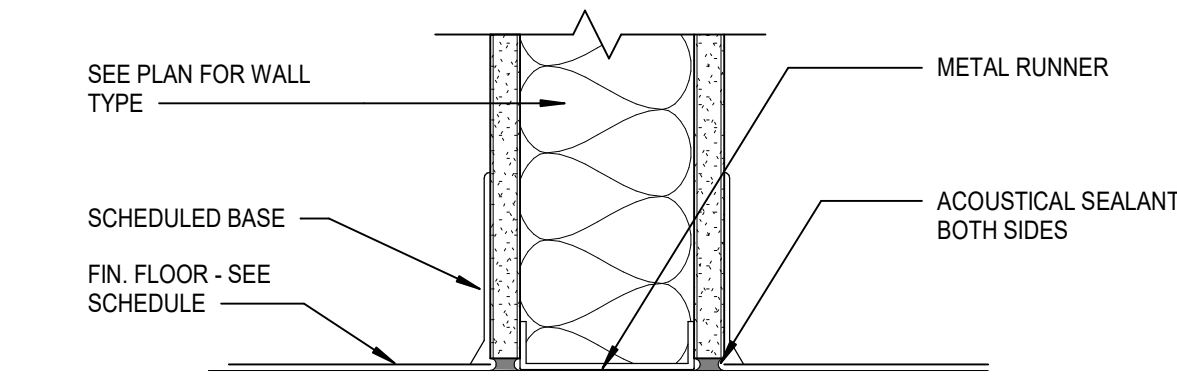
F
SPAN GREATER THAN 10'-0"



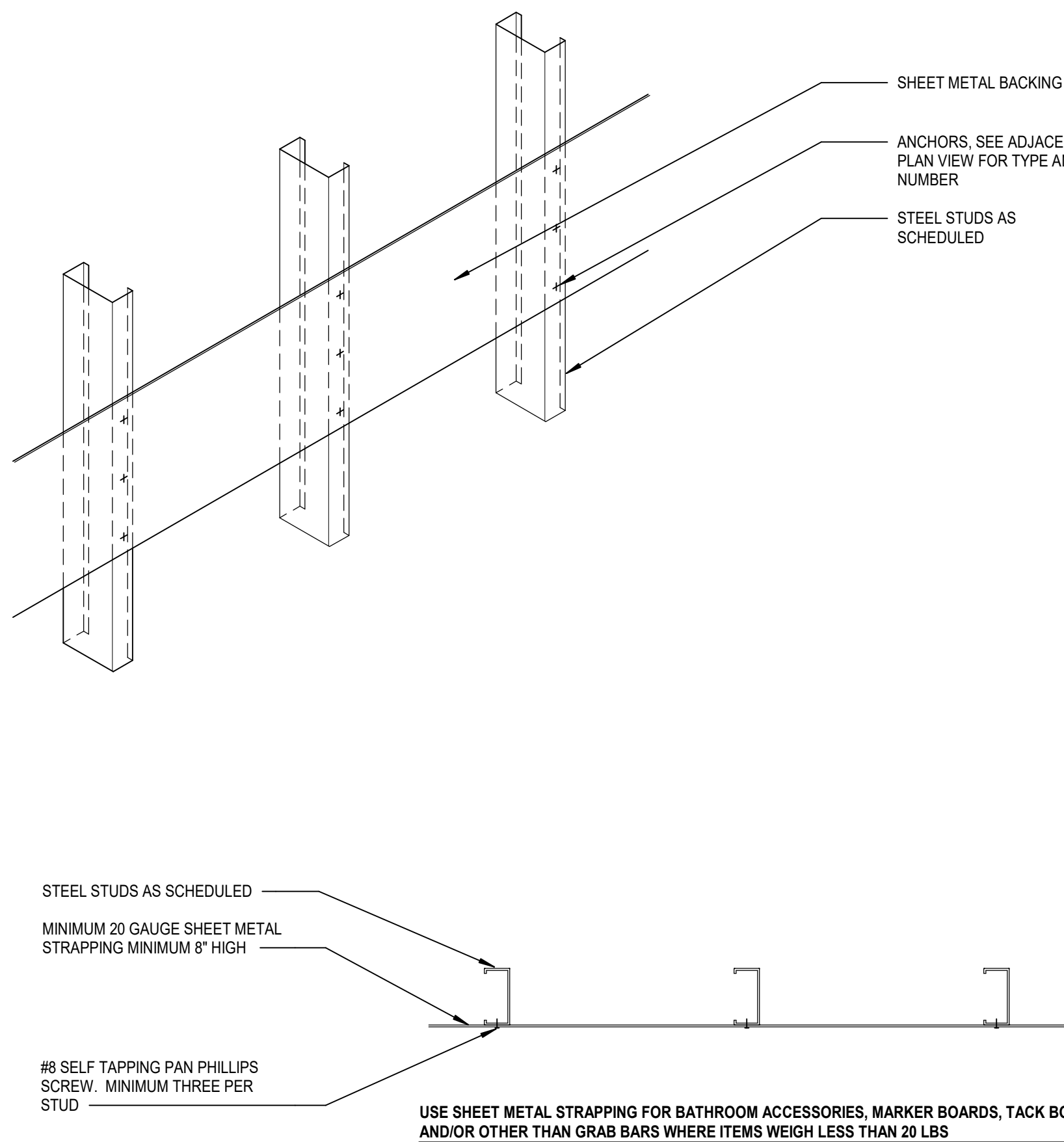
S _ -2_ NON-RATED STUD PARTITION					
MARK	ROUGH THICKNESS	RATING	FIRE/SMOKE TESTED ASSEMBLIES	COMMENTS	
SA 3	21	4 7/8"	NR	NA	
SA 6	21	7 1/4"	NR	NA	



2E
A&1
T.O. WALL DETAIL
SCALE: 3" = 1'-0"



3E
A&1
B.O. WALL DETAIL
SCALE: 3" = 1'-0"



5E
A&1
TYPICAL BLOCKING IN FRAME WALLS
SCALE: 1 1/2" = 1'-0"

PARTITION TYPES DESCRIPTIONS

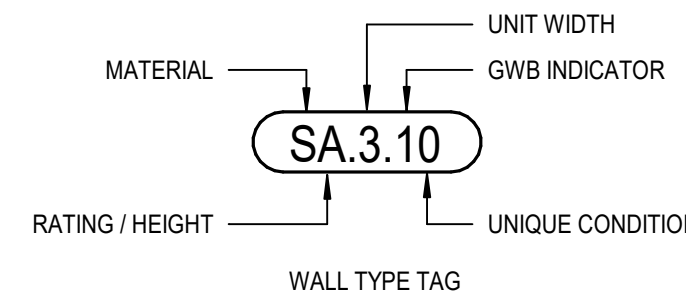
MATERIAL DESCRIPTION
S = STEEL (METAL STUDS)

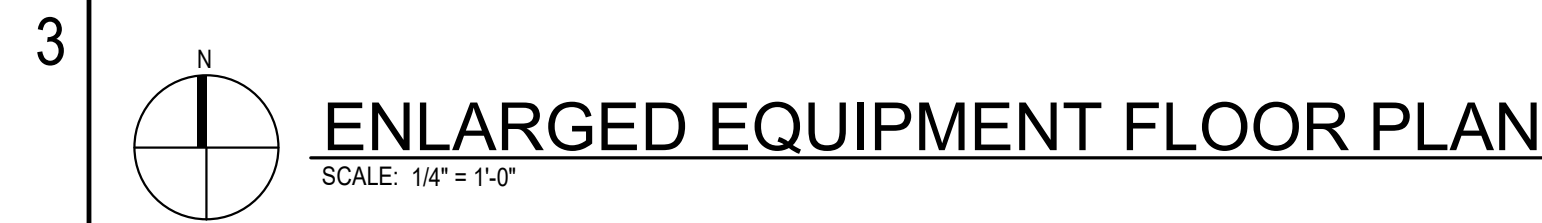
RATING / HEIGHT
A = 8' ABOVE CEILING

UNIT WIDTH / CONFIGURATION
F = FLURRING STRIPS / CHANNELS
1 = 1 5/8" METAL
2 = 2 1/2" METAL / 1 1/2" WOOD
3 = 3 5/8" METAL
4 = 4" METAL / 3 1/2" WOOD / 3 5/8" CMU
6 = 6" METAL / 5 1/2" WOOD / 5 5/8" CMU / 8" CONC
8 = 8" METAL / 7 1/4" WOOD / 7 5/8" CMU / 8" CONC

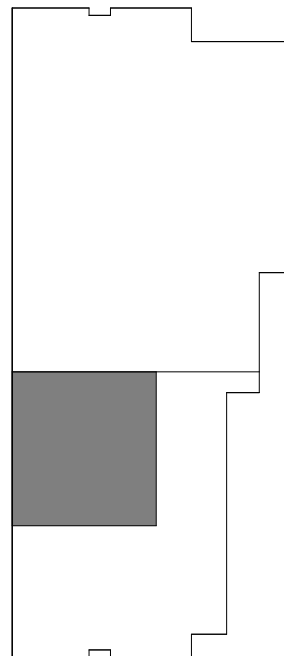
GYPSUM WALL BOARD INDICATOR
(NOT INCLUDING SHAFT LINER)
0 = NO GWB
1 = ONE LAYER, TAG SIDE
2 = ONE LAYER, EACH SIDE

UNIQUE CONDITION (SEE SCHEDULE)
0 = NO UNIQUE CONDITION
1 = SOUND ATTENUATION BLANKET





LABORATORY EQUIPMENT SCHEDULE													
ID	EQUIPMENT IDENTIFICATION		MANUFACTURER	MODEL	DIMENSIONS IN INCHES			CLEARANCE (IN) IF REQUIRED					COMMENTS
	INSTALLED BY (OWNER OR CONTRACTOR)	EQUIPMENT NAME			WIDTH	DEPTH	HEIGHT	FRONT	REAR	LEFT	RIGHT	TOP	
EQ-21	OFOI	sound cart			20"	18"	46 1/2"	0"	0"	0"	0"	0"	
EQ-29	OFOI	Sound booth	ETS-Lindgren		100 1/2"	72 1/2"	103"	0"	0"	0"	0"	0"	
EQ-30	OFOI	Temporal bone cart	Rubbermaid		40 1/2"	30"	38"	0"	0"	0"	0"	0"	
EQ-36	OFOI	microscope	olympus optical		12"	20 1/2"	26"	0"	0"	0"	0"	0"	
EQ-38	OFOI	custom sound booth			24"	17"	30"	0"	0"	0"	0"	0"	
EQ-42	OFOI	custom metal rig			18 1/2"	17"	22"	0"	0"	0"	0"	0"	
EQ-46	OFOI	tool box	husky		27 1/2"	18 1/2"	38"	0"	0"	0"	0"	0"	
EQ-48	OFOI	toolbox	westward		28"	13 1/2"	10"	0"	0"	0"	0"	0"	
EQ-50	OFOI	flexer	darby		40"	22"	33"	0"	0"	0"	0"	0"	
EQ-51	OFOI	refrigerator	awanti		17 1/2"	18 1/2"	33"	0"	0"	0"	0"	0"	
EQ-54	OFOI	axio	Zeiss	ts4773	21"	12"	21"	0"	0"	0"	0"	0"	
EQ-75	OFOI	sound booth	ETS-Lindgren		108"	108"	98"	4"	4"	4"	4"	18"	
EQ-76	OFOI	sound booth	ETS-Lindgren		108"	108"	98"	4"	4"	4"	4"	18"	
EQ-77	OFOI	sound booth	ETS-Lindgren		108"	108"	98"	4"	4"	4"	4"	18"	
EQ-78	OFOI	AV rack			25"	22"	75"	0"	0"	0"	0"	0"	
EQ-79	OFOI	AV rack			25"	22"	75"	0"	0"	0"	0"	0"	
EQ-80	OFOI	AV rack			25"	22"	75"	0"	0"	0"	0"	0"	



5

- 2021 NEC - NATIONAL ELECTRIC CODE
- 2021 IPC - NATIONAL PLUMBING CODE
- 2021 IFC - INTERNATIONAL FIRE CODE
- NFPA - NATIONAL FIRE PROTECTION ASSOCIATION

FP1.1 LEVEL 09 - FIRE PROTECTION PLAN

FP0.1 FIRE PROTECTION SYMBOLS & ABBREVIATIONS

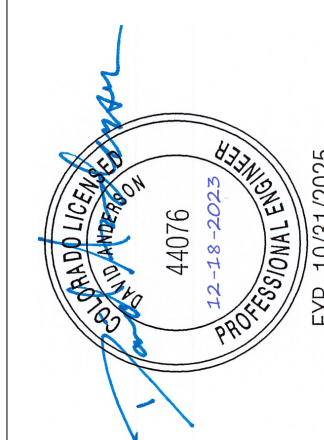
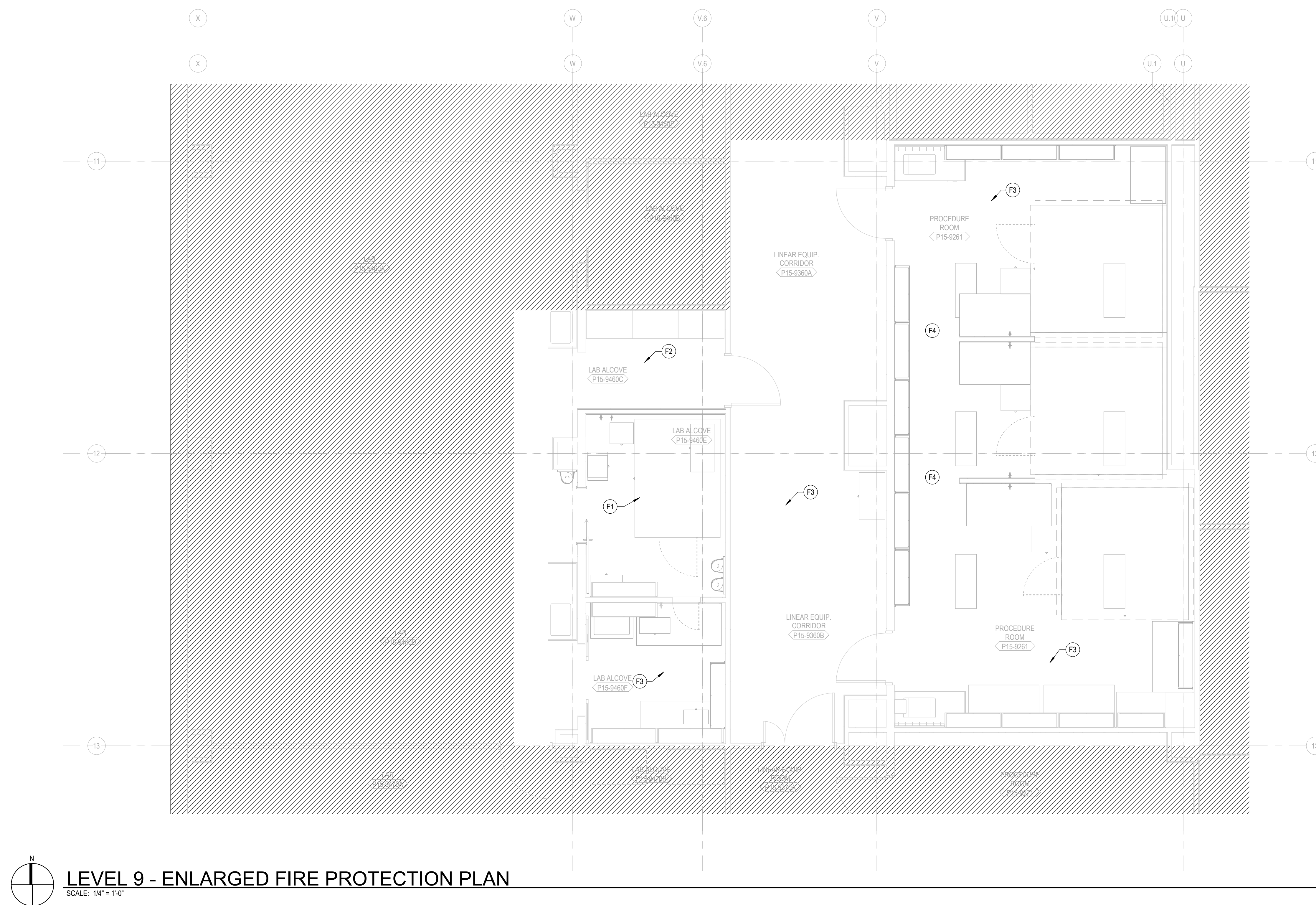
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GENERAL NOTES

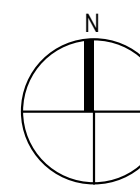
A REFERENCE SHEET FP0.1 FOR SYMBOLS,
ABBREVIATIONS AND GENERAL NOTES.

SHEET NOTES

F1	REVISE FIRE SPRINKLER HEADS ABOVE NEW SOUND BOOTHS. COORDINATE WITH NEW CEILING ELEVATION.
F2	REVISE FIRE SPRINKLER HEADS IN NEW ROOM LAYOUT.
F3	EXISTING FIRE SPRINKLER LAYOUT TO REMAIN.
F4	REVISE FIRE SPRINKLE HEADS TO ACCOMMODATE PARTITION WALLS.

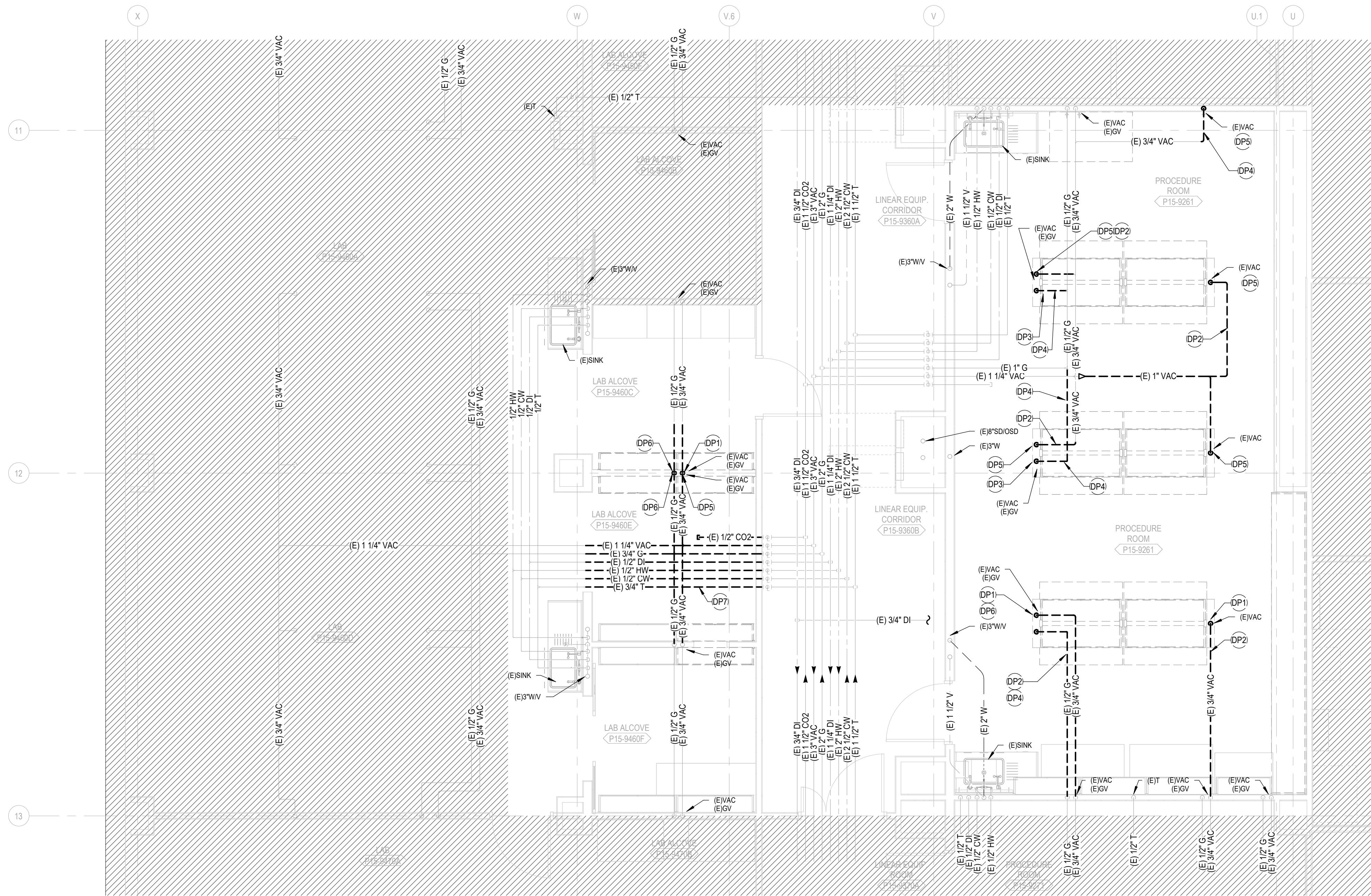


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LEVEL 9 - ENLARGED PLUMBING DEMOLITION PLAN

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

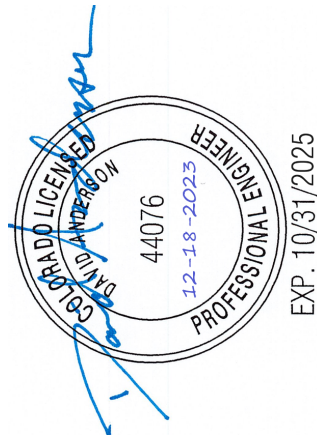
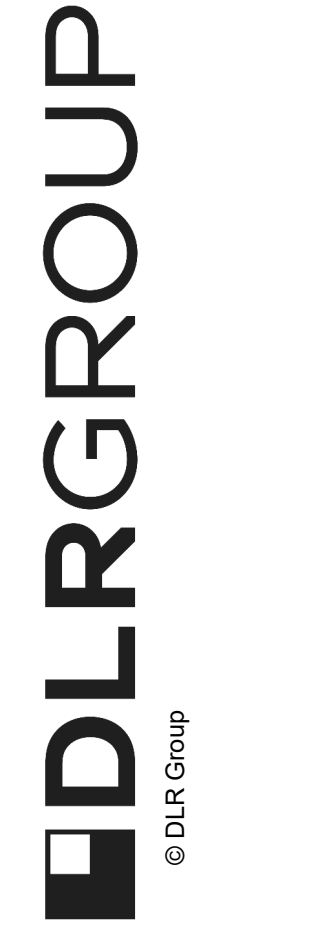


GENERAL NOTES

- A EXISTING INFORMATION FROM RECORD SET 08/29/08, PLUMBING LEVEL 9;
- B CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS, INCLUDING: PIPING SIZE, LOCATION, ELEVATION, ROUTING;
- C CONTRACTOR TO VERIFY EXISTING VALVES TO BE REUSED ARE IN GOOD WORKING CONDITION. IF VALVES ARE NOT IN GOOD WORKING ORDER NOTIFY ENGINEER AND REPLACE WITH NEW VALVE OF MATCHING STYLE AND SPECIFICATION.

SHEET NOTES

- DP1 REMOVE EXISTING VAC INLET VALVE;
- DP2 REMOVE EXISTING VAC PIPING IN CEILING AS SHOWN, CAP AT MAIN;
- DP3 REMOVE EXISTING GAS OUTLET VALVE;
- DP4 REMOVE EXISTING GAS PIPING IN CEILING AS SHOWN, CAP AT MAIN;
- DP5 REMOVE EXISTING VAC INLET VALVE, REFER TO NEW PLANS FOR VALVE RE-INSTALLATION;
- DP6 REMOVE EXISTING GAS OUTLET VALVE, REFER TO NEW PLANS FOR VALVE RE-INSTALLATION;
- DP7 REMOVE EXISTING SERVICES (T.O.W./H.W./D.I.G./VAC CO2) IN CEILING SPACE, PRESERVE FOR REUSE IN NEW PHASE, REFER TO NEW WORK FOR NEW ELEVATION.



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PHYSIOLOGY MOVE

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AURORA, CO 80045

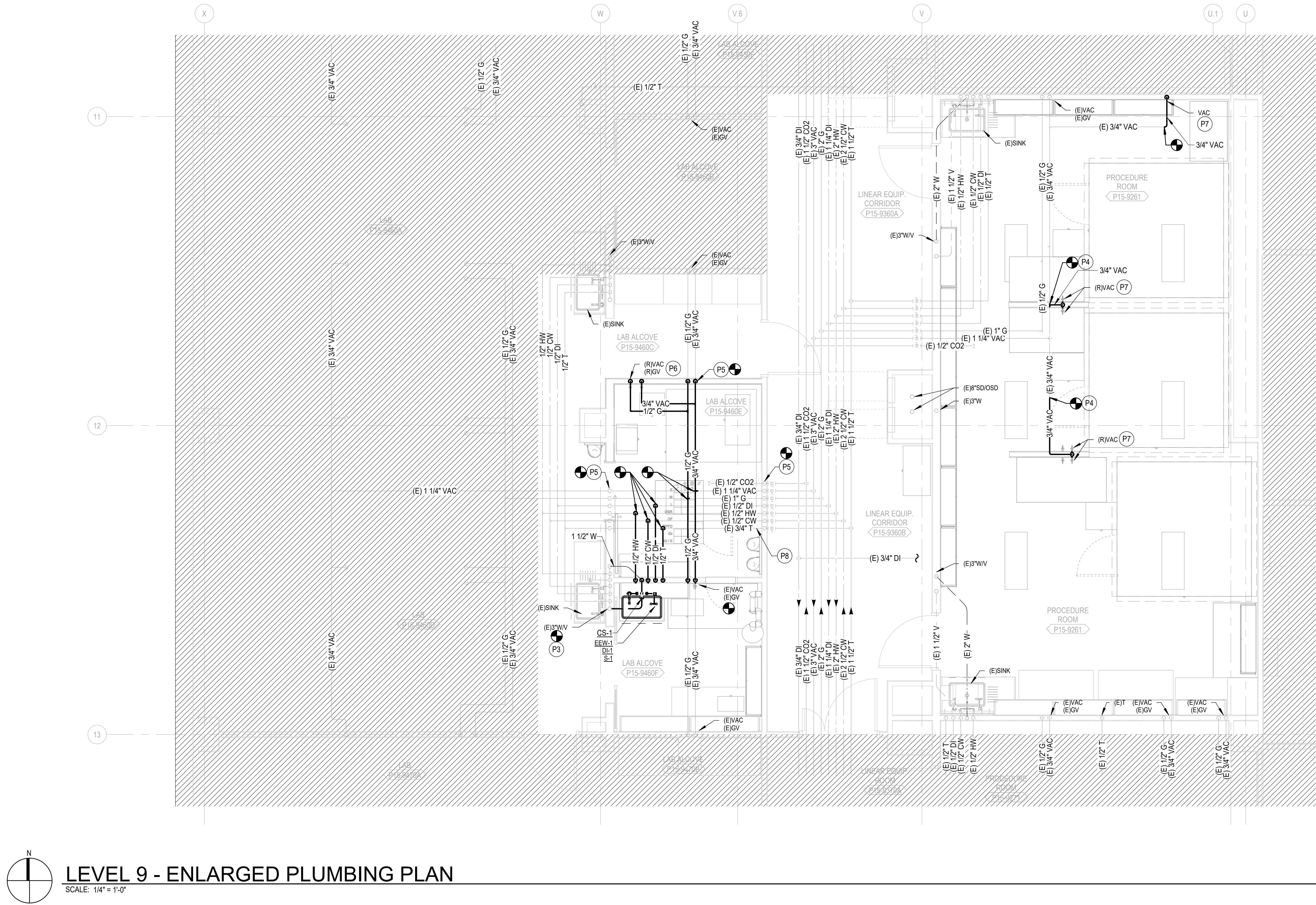
CONSTRUCTION
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PN 23-14584
37-24103-00

LEVEL 09 -
PLUMBING
DEMOLITION
PLAN

PD2.1

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 **LEVEL 9 - ENLARGED PLUMBING PLAN**
SCALE: 1/4" = 1'-0"

GENERAL NOTES

- A EXISTING INFORMATION FROM RECORD SET 08/29/08, PLUMBING LEVEL 9;
B CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS, INCLUDING: PIPING SIZE, LOCATION, ELEVATION, ROUTING;
C CONTRACTOR TO VERIFY EXISTING VALVES TO BE REUSED ARE IN GOOD WORKING CONDITION. IF VALVES RE NOT IN GOOD WORKING ORDER NOTIFY ENGINEER AND REPLACE WITH NEW VALVE OF MATCHING STYLE AND SPECIFICATION.

SHEET NOTES

- P3 1-1/2"W, 1-1/2"V. CONNECT WASTE TO EXISTING SERVICES BELOW FLOOR. CONNECT VENT IN CEILING SPACE.
P4 3/4"VAC CONNECT TO EXISTING SERVICES IN CEILING. EXTEND DOWN TO CEILING PANEL(S).
P5 EXTEND REVISED SERVICES (T.CW,H.W,D.I,G,VAC,CO2) IN CEILING SPACE; CONNECT TO EXISTING. COORDINATE EXACT ELEVATION WITH NEW CEILING HEIGHT AND SOUND BOTH.
P6 REINSTALL EXISTING VAC INLET VALVE AND GAS OUTLET VALVE ON NEW WALL. CONNECT TO ASSOCIATED SUPPLY PIPING.
P7 REINSTALL EXISTING VAC OUTLET VALVE ON NEW WALL. CONNECT TO ASSOCIATED SUPPLY PIPING.
P8 REINSTALL EXISTING PRESERVED PIPING AT NEW HIGHER ELEVATION. RECONNECT TO EXISTING SERVICE PIPING AT LOWER ELEVATION.



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PHYSIOLOGY MOVE**

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AURORA, CO 80045

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**LEVEL 09 -
PLUMBING PLAN**

P2.1

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1

2

3

4

5

A

B

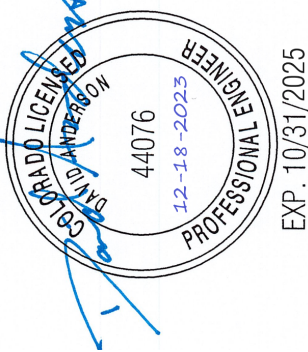
C

D

E

F

GENERAL PLUMBING FIXTURE SCHEDULE													
MARK	FIXTURE DESCRIPTION	MANUFACTURER	MODEL	TYPE	SIZE	TRIM		ELECTRICAL REQUIREMENTS	CONNECTIONS				NOTES
						MANUFACTURER	MODEL		WASTE	VENT	CW	HW	
CS-1	COUNTER SINK												5
DL-1	DI FAUCET	WATERSAVER	L7833	DECK MOUNTED	12.5"x6"	-	-	-	-	-	-	-	1, 2
EEW-1	EMERGENCY EYEWASH	WATERSAVER	EWBF849	DECK MOUNTED	14"x12"	WATERSAVER	TM6020	-	-	-	1/2"	1/2"	1, 3
S-1	SINK FAUCET	WATERSAVER	L2222VB	DECK MOUNTED	12"x10"	-	-	-	-	-	1/2"	1/2"	1, 4
NOTES:													
1. REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL NOTATIONS AND INSTALLATION INSTRUCTIONS. REFER TO ARCHITECTURAL PLANS FOR MOUNTING ELEVATIONS.													
2. DECK MOUNTED WITH LOCKNUT AND WASHER, POLYPROPYLENE LINED INTERIOR, BRASS BODY, GOOSENECK SHAPE, NYLON HANDLE WITH INDEX DISC, COMPRESSION DIAPHRAM VALVE, SERRATED POLY HOSE END.													
3. DECK MOUNTED, BARRIER FREE, 90 SWING DOWN ACTIVATION, DUAL SPRAY, PROVIDE R OR L PER ARCH ELEVATION. THERMOSTATIC MIXING VALVE, BELOW SINK MOUNTING, ISOLATION VALVES, TEMPERATURE OUTLET GAUGE, MOUNTING BRACKET.													
4. DECK MOUNTED, 10" SWING GOOSENECK, VACUUM BREAKER, SERRATED NOZZLE, DUAL HANDLE WRISTBLADE, COLORED INDEX.													
5. ARCHITECTURALLY PROVIDED COUNTER SINK, INTEGRAL WITH COUNTERTOP. REFER TO ARCHITECTURAL FOR ADDITIONAL INFORMATION.													



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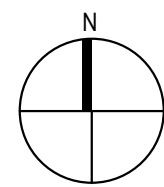
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SCHEDULES

P6.1



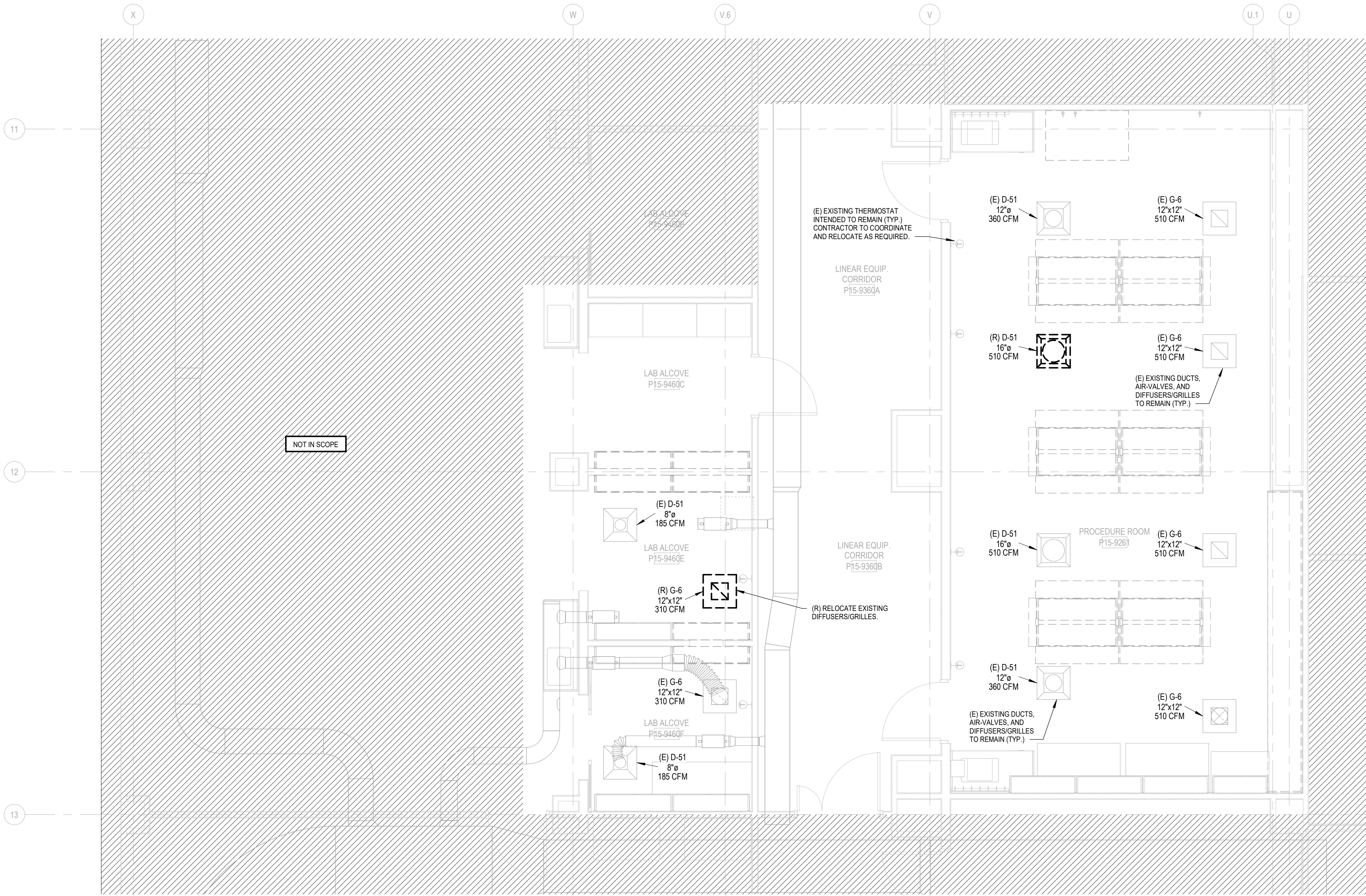
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#	NUMBER	CJ	CONTROL JOINT	EFF	EFFICIENCY	GPH	GALLONS PER HOUR	LTD	LINED TRANSFER DUCT	1	GENERAL NOTES APPLY TO ALL MECHANICAL DRAWINGS.	21	A SPECIAL INSPECTION BY THE PROJECT TESTING ADJUSTING AND BALANCE CONTRACTOR IS REQUIRED FOR THE SHUT-DOWN OF SYSTEMS AND INSTALLATION AND TESTING OF ALL FIRE SMOKE AND COMBINATION FIRE/SMOKE/DEBRIS. THE SPECIAL INSPECTION REPORT SHALL BE RECEIVED BY THE ARCHITECT/ENGINEER AND BY THE AUTHORITY HAVING JURISDICTION INSPECTOR PRIOR TO ISSUANCE OF FINAL INSPECTION APPROVAL. OR OCCUPANCY APPROVAL. INCLUDING CONDITIONAL APPROVAL OF THE SPECIAL ITEMS SECTION "TESTING, ADJUSTING, AND BALANCING" FOR ADDITIONAL REQUIREMENTS. ALL MATERIALS PLACED IN DEVICES SHALL COMPLY WITH PROJECT GOVERNING CODE TO BE NON-COMBUSTIBLE OR HAVE A UL TESTED FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50. WHERE CEILING SPACE IS USED AS A RETURN, SUPPLY OR RELIEF AIR PLENUM. COORDINATE WITH THE GENERAL CONTRACTOR TO PROVIDE FREE RETURN OF AIR FROM ALL LOCATIONS OF THE PLENUM.	22	ALL CONTRACTOR'S ARE RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO ORDERING OR INSTALLING MATERIALS OR EQUIPMENT.	23	BASE FINAL INSTALLATION OF MATERIALS AND EQUIPMENT ON ACTUAL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE. FIELD MEASURE FOR MATERIALS OR EQUIPMENT REQUIRED EXACT FIT.	24	THE MOUNTING HEIGHT OF THE THERMOSTATS SHALL BE IN COMPLIANCE WITH THE ASHRAE STANDARDS FOR ACCESSIBLE DESIGN. REACH UNOBSTRUCTED - THE HIGH SHALL BE 48 INCHES MAXIMUM AND THE LOW SHALL BE 15 INCHES MINIMUM ABOVE THE FINISH FLOOR. REACH OBSTRUCTED BY ELEMENTS UP TO 34 INCHES HIGH AND UP TO 24 INCHES AWAY FROM THE WALL SHALL BE 48 INCHES MAXIMUM. WHERE DIFFERENT RECESSED MECHANICAL DEVICES AND/OR ELECTRICAL DEVICES WITH THE SAME MOUNTING HEIGHTS ARE INDICATED SIDE-BY-SIDE, MOUNT THE DEVICES SO THAT THERE IS FOUR INCHES BETWEEN ADJACENT VERTICAL EDGES OF THE FACEPLATES. WHERE DIFFERENT MECHANICAL AND/OR ELECTRICAL DEVICES WITH DIFFERENT MOUNTING HEIGHTS ARE LOCATED IN THE SAME AREA, ALIGN DEVICES VERTICALLY THROUGH THEIR CENTERLINES.	25	ALL DIMENSIONS SHOWN ON THE DRAWINGS FOR DUCTS ARE INSIDE CLEAR DIMENSIONS. REFER TO SPECIFICATIONS FOR INSULATION OR LINER REQUIRED FOR DUCT SYSTEMS. VERIFY THAT THE DUCTS SPECIFIED WILL FIT IN THE CEILING SPACE AVAILABLE USING THE ARCHITECTURAL, STRUCTURAL AND ELECTRICAL DRAWINGS AS REFERENCE POINT TO FABRICATION AND INSTALLATION.	26	ALL MECHANICAL AND PLUMBING SYSTEMS SHALL BE CONCEALED WITHIN WALLS, UNDERGROUND, ABOVE CEILINGS OR IN ARCHITECT AND ENGINEER APPROVED UTILITY SPACES IN ALL CASES. USE SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. EXPOSED ITEMS MUST BE LOCATED IN AREAS APPROVED BY THE ARCHITECT AND ENGINEER. EXPOSED ITEMS SHALL BE INSTALLED AND FINISHED TO PROVIDE MINIMAL VISUAL IMPACT. ALL EXPOSED ITEMS ARE TO BE PREPARED FOR PAINTING AND PAINTED TO MATCH THE ADJACENT SURFACES UNLESS SCHEDULED FOR AN ACCENT COLOR.	27	REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS AND GRILLES.	28	FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATING DUCTS. ALL BRANCH RUNOUTS TO REGISTERS AND GRILLES SHALL BE THE SAME SIZE AS THE DEVICE SERVED, UNLESS NOTED OTHERWISE.	29	CONTRACTOR SHALL PROVIDE FOR EXPANSION OF PIPING. USE EXPANSION LOOPS, ANCHORS, GUIDES, EXPANSION JOINTS, ETC. AS INDICATED OR REQUIRED BY SPECIFICATIONS.	30	ALL PIPING BRANCH RUN-OUT TO EQUIPMENT SHALL BE OF THE PIPE SIZE INDICATED ON THE EQUIPMENT SCHEDULE, UNLESS NOTED OTHERWISE.	31	ALL CONDENSATE DRAIN PIPES ARE TO BE INSULATED TYPE "M" COPPER PIPE WITH WROUGHT COPPER FITTINGS. SLOPE CONDENSATE DRAIN PIPES AT 1/8" PER FOOT MINIMUM. ALL CONDENSATE PIPING SHALL BE 1/2" UNLESS NOTED OTHERWISE.	32	UNLESS SPECIFIED ON STRUCTURAL DRAWINGS, ANY ALTERATIONS OR MODIFICATIONS TO A STRUCTURAL ELEMENT BY CUTTING, DRILLING, BORING, BRACING, WELDING, ETC. SHALL BE PROHIBITED UNLESS PRIOR WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER IS OBTAINED PRIOR TO BEGINNING WORK.	33	PROVIDE VIBRATION ISOLATORS FOR MOTOR DRIVEN MECHANICAL EQUIPMENT UNLESS SPECIFICALLY NOTED OTHERWISE. REFER TO SCHEDULES, DETAILS AND NOTES FOR SPECIFICATIONS FOR TYPES AND SIZES REQUIRED. OTHERWISE, PROVIDE ISOLATION AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.	34	MULTIMOTOR AND COMBINATION - LOAD EQUIPMENT SHALL BE PROVIDED WITH A VISIBLE NAMEPLATE MARKED WITH THE MAKER'S NAME, THE RATING IN VOLTS, FREQUENCY AND NUMBER OF PHASES, MINIMUM SUPPLY VOLTAGE, MINIMUM CURRENT, THE MAXIMUM RATING OF THE BRANCH - CIRCUIT, SHORT - CIRCUIT AND GROUND - FAULT PROTECTIVE DEVICE, AND THE SHORT - CIRCUIT CURRENT RATING OF THE MOTOR CONTROLLERS OR INDUSTRIAL CONTROL PANEL.	35	MECHANICAL AND PLUMBING EQUIPMENT, DUCTS, PIPING, OR ACCESSORIES THAT DO NOT SERVE ELEVATOR EQUIPMENT ROOMS MAY NOT ENTER OR PASS THROUGH THE SPACE. REFERENCE APPROPRIATE ELEVATOR CODE PROVISIONS FOR CONSTRUCTION OF ELEVATOR EQUIPMENT ROOMS.	36	MECHANICAL AND PLUMBING EQUIPMENT, DUCTS, PIPING, OR ACCESSORIES THAT DO NOT SERVE ELECTRICAL EQUIPMENT ROOMS MAY NOT ENTER OR PASS THROUGH THE SPACE. REFERENCE NATIONAL ELECTRICAL CODE PROVISIONS FOR CONSTRUCTION OF ELECTRICAL ROOMS.	37	MECHANICAL AND PLUMBING EQUIPMENT, DUCTS, PIPING, OR ACCESSORIES THAT DO NOT SERVE ELECTRONICS EQUIPMENT ROOMS ARE TO AVOID ENTERING OR PASSING THROUGH THE SPACE.	38	PROVIDE DUCT MOUNTED VOLUME DAMPERS IN ALL SUPPLY, RETURN, EXHAUST AND OUTDOOR AIR BRANCH DUCTS/DUCT CONNECTIONS. INCLUDE REMOTE DAMPER OPERATOR WITH ADJUSTABLE COVER IN NON-ACCESSIBLE CEILING AREAS.	39	PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EXCEPT TRANSFER AIR ELBOWS.	40	GRILLES, REGISTERS AND DIFFUSERS AND CONNECTED DUCTS LOCATED IN MOISTURE LADEN ENVIRONMENTS ARE TO BE STAINLESS STEEL OR ALUMINUM. DUCTS SHALL BE WELDED TIGHTWRIGHT AND SLOPED BACK TO AIR OPENING.	41	BRANCH DUCT RUN-OUTS TO RECTANGULAR CONNECTIONS OF DIFFUSERS, REGISTERS AND GRILLES ARE TO BE THE SAME SIZE AS THE NECK OF THE DIFFUSER, REGISTER OR GRILL IT SERVES, UNLESS NOTED OTHERWISE.	42	NO FLEXIBLE DUCTS ARE ALLOWED ABOVE HARD INACCESSIBLE CEILING.	43	REFER TO SPECIFICATIONS FOR REQUIREMENTS AND RESPONSIBILITIES OF THIS CONTRACTOR FOR COMMISSIONING OF THIS PROJECT.	44	SPIN-IN FITTINGS: BRANCH DUCT RUN-OUTS AND FLEXIBLE DUCTS TO ROUND CONNECTIONS OF DIFFUSERS, REGISTERS AND GRILLES ARE TO BE BASED ON THE FOLLOWING SCHEDULE UNLESS NOTED OTHERWISE.	GENERAL SYMBOLS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

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LEVEL 9 - ENLARGED HVAC DEMOLITION PLAN

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

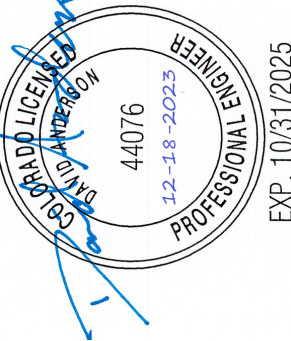
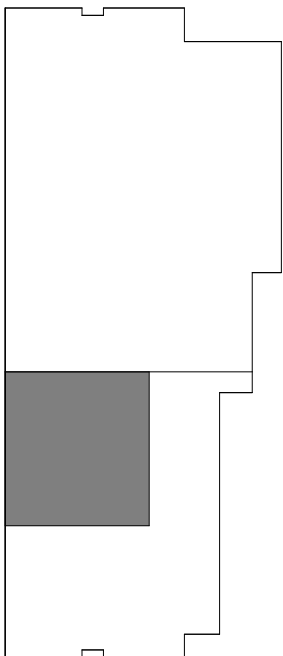


GENERAL NOTES

A FOR SYMBOLS AND ABBREVIATIONS SEE DRAWING MD.1

SHEET NOTES

KEY PLAN



CU DENVER | ANSCHUTZ - 9TH FLOOR
PHYSIOLOGY MOVE

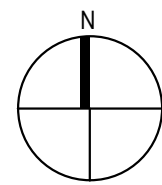
12700 E 10TH AVE
AURORA, CO 80045

CONSTRUCTION
DOCUMENTS
12/18/2023
REVISIONS

PN 23-14584
37-24103-00
LEVEL 09 -
MECHANICAL
DEMOLITION
PLANS

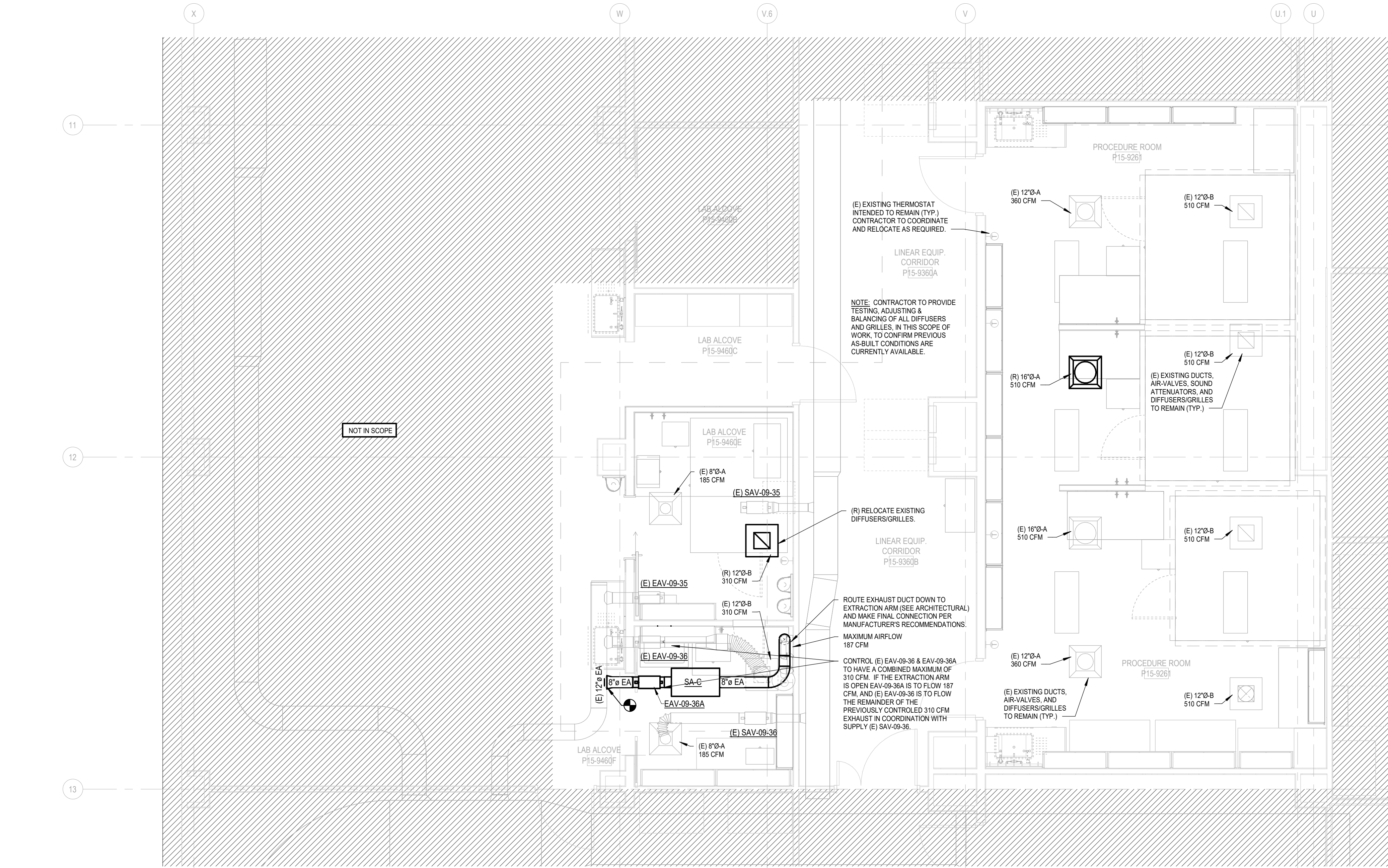
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LEVEL 9 - ENLARGED HVAC PLAN

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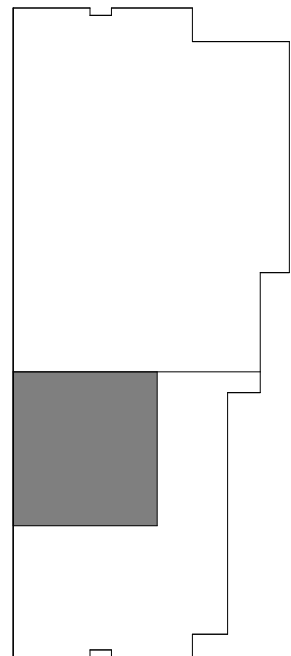


GENERAL NOTES

A FOR SYMBOLS AND ABBREVIATIONS SEE DRAWING M0.1

SHEET NOTES

KEY PLAN



CU DENVER | ANSCHUTZ - 9TH FLOOR
PHYSIOLOGY MOVE

12700 E 10TH AVE
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CONSTRUCTION
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PN 23-14584
37-24103-00
LEVEL 09 -
MECHANICAL
PLANS

M1.9



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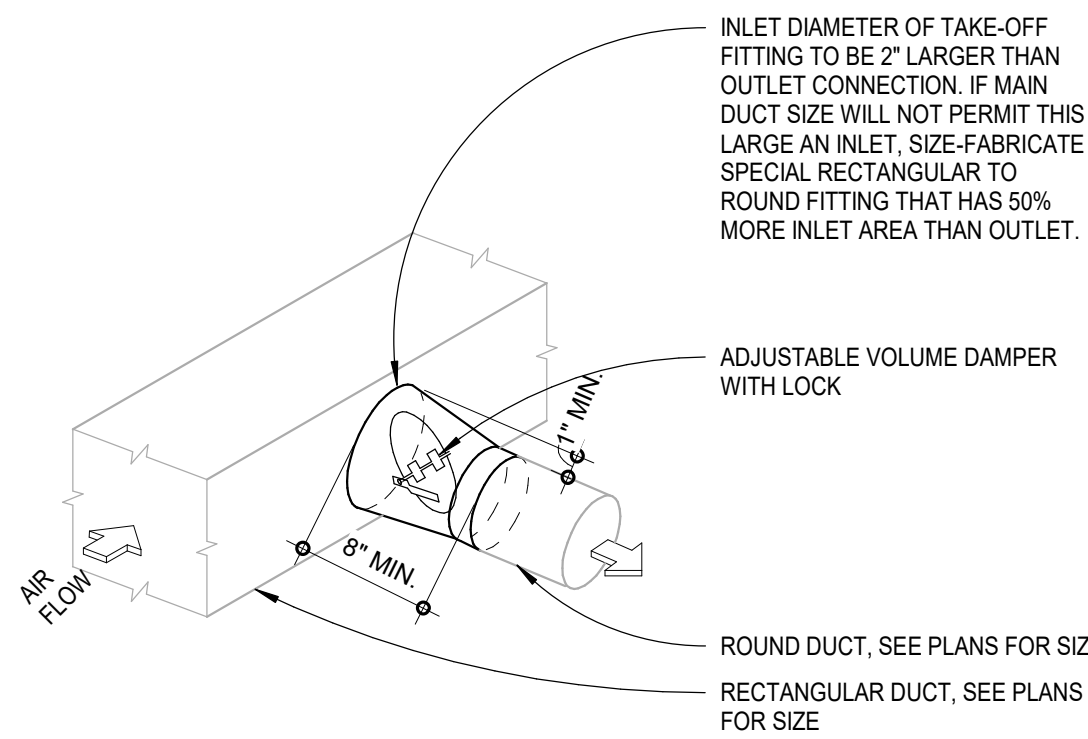
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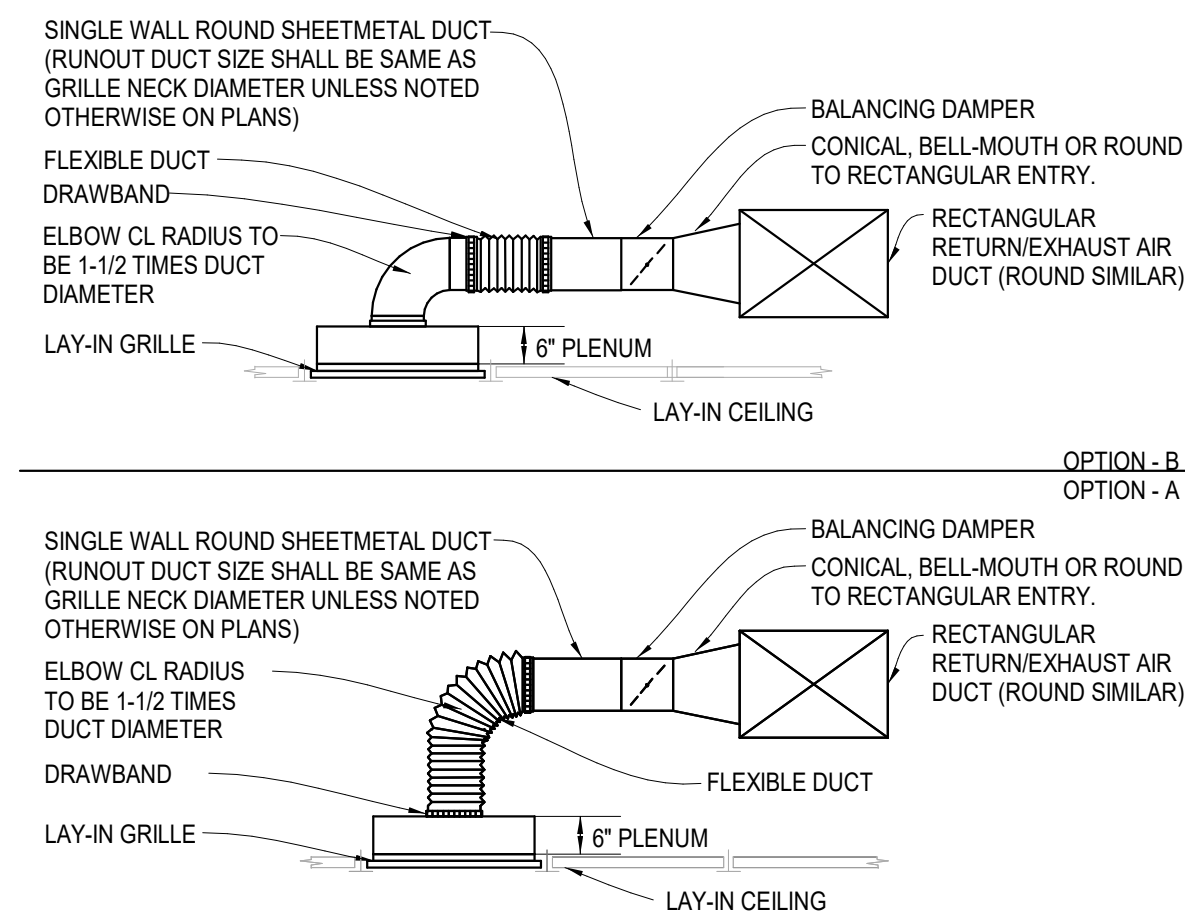
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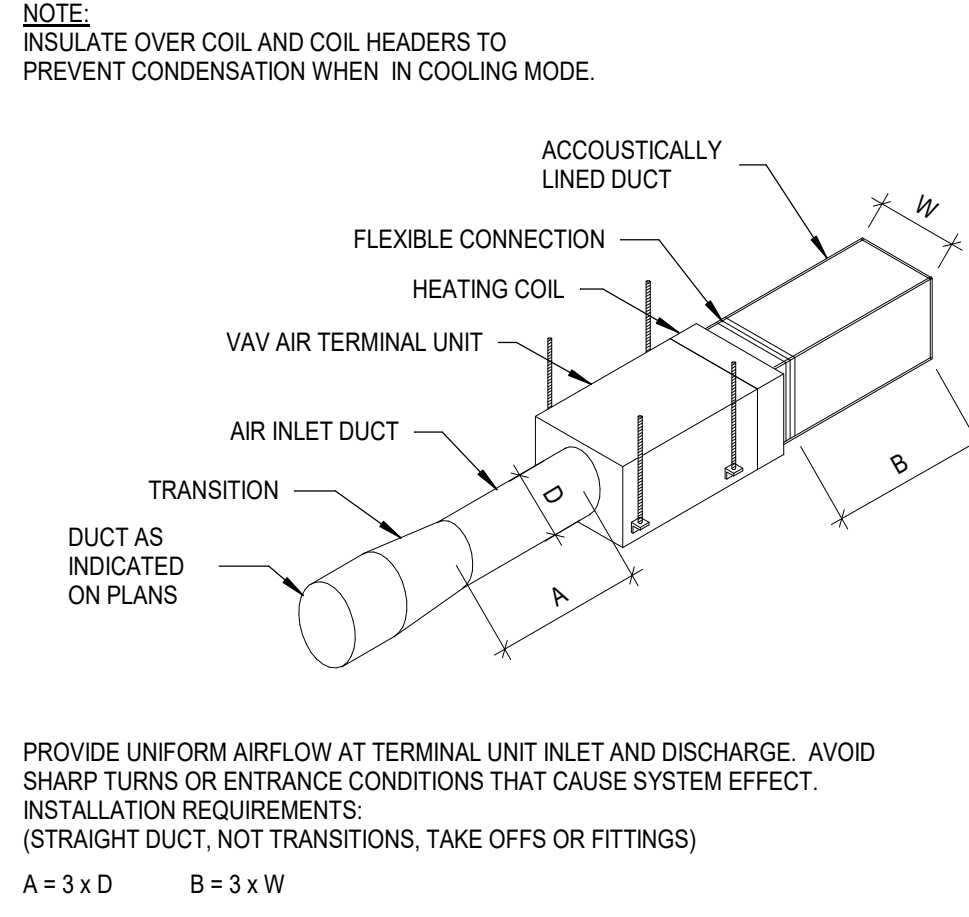
1B DUCT TAKE-OFF TO DIFFUSER
M7.1 NO SCALE



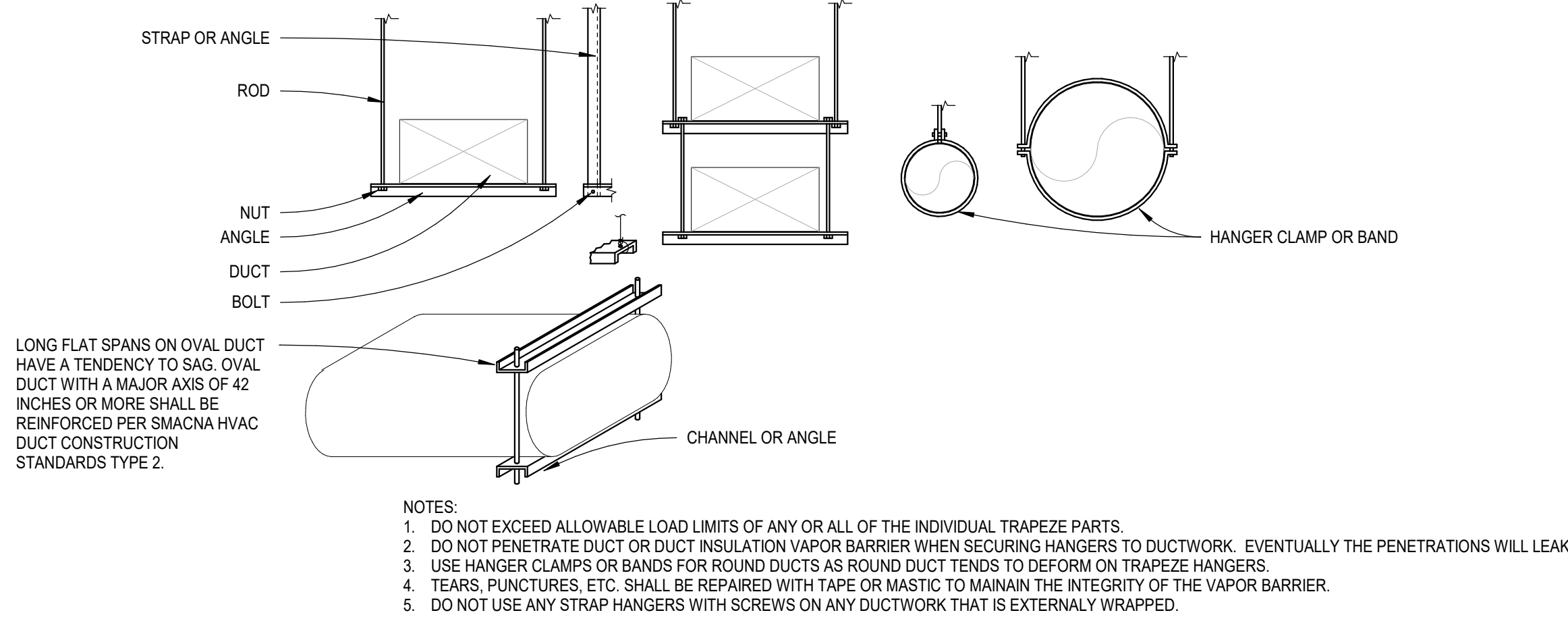
1C GRILLE DETAIL - LAY-IN
M7.1 NO SCALE



1D AIR TERMINAL UNITS - MOUNTING
M7.1 NO SCALE



1E DUCTWORK HANGERS
M7.1 NO SCALE



SOUND ATTENUATOR SCHEDULE																	
CODE (SA)	MANUFACTURER / MODEL NO.	SYSTEM	CFM	FACE VELOCITY (FPM)	OCTAVE BAND HZ								WIDTH (IN)	SIZE	LENG. (IN)	MAX. PRESS. DROP (IN WC)	REMARKS
					DYNAMIC INSERTION LOSS, 194B												
					SELF-NOISE POWER LEVELS, 194B												
					63	125	250	500	1K	2K	4K	8K					
02-11	IAC 3LFS	CONFERENCE RETURN	4,320	720	9	14	24	27	25	19	16	14	36	24	36	0.30	
02-12	IAC 3LFS	CONFERENCE RETURN	2,000	667	45	42	45	43	45	49	44	37	24	18	36	0.30	
02-13	IAC 3LFS	CONFERENCE RETURN	3,000	600	9	14	24	27	25	19	16	14	30	24	36	0.30	
11-01	IAC 3L	LAB GENERAL EXHAUST	56,000	2,000	4	5	9	14	20	18	13	8	84	48	36	0.20	
11-02	IAC 3L	LAB GENERAL EXHAUST	56,000	2,000	4	5	9	14	20	18	13	8	84	48	36	0.20	
11-03	IAC 3L	LAB GENERAL EXHAUST	53,200	1,773	4	5	9	14	20	18	13	8	72	60	36	0.20	
11-04	IAC 3L	LAB GENERAL EXHAUST	53,200	1,773	4	5	9	14	20	18	13	8	90	48	36	0.20	
R-02	IAC 3L	LAB GENERAL EXHAUST	56,000	2,000	4	5	9	14	20	18	13	8	84	48	36	0.20	
R-03	IAC 3L	LAB GENERAL EXHAUST	53,200	1,773	4	5	9	14	20	18	13	8	72	60	36	0.20	
R-04	IAC 5LFM	LAB GENERAL EXHAUST	185,000	1,423	9	13	23	28	27	17	13	12	156	120	60	0.43	
A	IAC 3TXL	SAV SUPPLY	----	1,000	15	18	25	14	8	7	6	4	21	21	36	0.20	A 8" INLET
B	IAC 3TXL	SAV SUPPLY	----	1,000	20	20	25	25	23	20	20	20	21	21	36	0.32	A 12" INLET
C	IAC 3TXL	EAV EXHAUST	----	1,000	13	15	25	14	8	7	6	4	21	21	36	0.20	A 8" INLET
D	IAC 3TXL	EAV EXHAUST	----	1,000	4	8	16	16	7	5	3	3	21	21	36	0.32	A 12" INLET
E	IAC 3KL	SAV SUPPLY	2,900	1,160	4	5	13	11	7	7	6	5	24	15	36	0.30	A
F	IAC 3KL	EAV SUPPLY	2,245	898	36	36	38	43	49	46	38	35	24	15	36	0.25	A
G	IAC 8TXL	RACK FAN/ EAV	165	210	5	8	17	20	13	10	11	8	21	21	36	0.05	A 12" INLET
GENERAL NOTES																	
1. PROVIDE TWO STRAIGHT DUCT LENGTH UPSTREAM AND DOWNSTREAM OF SILENCER.																	
2. SILENCERS ARE SCHEDULED BASED ON SCHEDULED EQUIPMENT. CONTRACTOR SHALL PROVIDE NOISE INFORMATION FOR EACH ITEM REQUIRING AN ATTENUATOR AND SHALL BE RESPONSIBLE FOR MAKING REVISIONS TO SILENCERS IF ALTERNATE EQUIPMENT IS INSTALLED.																	
3. IF REQUIRED, PROVIDE MULTIPLE MODULES SO TOTAL SIZE MATCHES THE LISTED DIMENSIONS.																	
REMARK NOTES																	
A. PACKLESS, NON-EROSIVE ATTENUATOR.																	
B. STAINLESS STEEL, PACKLESS, NON-EROSIVE ATTENUATOR.																	

GRILLE REGISTER DIFFUSER SCHEDULE						
CODE	MANUFACTURER / MODEL NO.	SERVICE	TYPE	ACCESSORIES	FACE SIZE	REMARKS
A	TITUS PAS	SUPPLY	PERFORATED		24 X 24	A
B	TITUS PAR	RETURN / EXHAUST	PERFORATED		12 X 12 OR 24 X 24	A, B
C	TITUS ML	SUPPLY	SLOT	LINED PLENUM	SEE DRAWINGS	A, D, E
D	TITUS 23R	RETURN / EXHAUST	LOUVERED	O.B.D.	SEE DRAWINGS	
F	TITUS 272FS	SUPPLY	LOUVERED	O.B.D.	SEE DRAWINGS	
G	TITUS 50	RETURN / EXHAUST	EGG GRATE	O.B.D.	SEE DRAWINGS	
H	TITUS 3502TL	RETURN / EXHAUST	LOUVERED	O.B.D.	SEE DRAWINGS	
I	TITUS TRITEC	SUPPLY	LAMINAR FLOW		24 X 48	C
J	TITUS TRITEC	SUPPLY	LAMINAR FLOW		24 X 24	C
K	TITUS CT-480	EXHAUST	SLOTTED		SEE DRAWINGS	F
L	TITUS SG-50	SUPPLY/EXHAUST	PERFORATED	----	SEE DRAWINGS	G, H, I
GENERAL NOTES 1. SEE PLANS FOR CFM AND NECK SIZE. 2. MAXIMUM NOISE CRITERIA (NC) SHALL BE 25 UNLESS OTHERWISE NOTED. 3. COLOR TO BE COORDINATED WITH ARCHITECT. 4. MATERIAL IS STEEL UNLESS OTHERWISE NOTED. 5. PROVIDE BALANCING DEVICE FOR ALL ORD'S UNLESS OTHERWISE NOTED. 6. DIFFUSERS SHALL BE 4-WAY THROW UNLESS NOTED OTHERWISE ON PLANS. 7. PROVIDE CABLE ACTUATOR (SUCH AS YOUNG REGULATOR) AT ALL LOCATIONS WHERE BALANCING DEVICE IS INACCESSIBLE. REMARK NOTES A. IN CONFERENCE ROOMS, MAXIMUM NC SHALL BE 20. B. GRILLES WITH 100 CFM OR LESS AND INSTALLED IN GYP CEILING, MAY HAVE 12 X 12 OR 24 X 24 FACE. ALL OTHERS SHALL BE 24 X 24 FACE. C. DIFFUSERS SHALL BE 2-WAY THROW UNLESS NOTED OTHERWISE ON PLANS. D. DIFFUSERS SHALL BE 1" WIDE, 3-SLOT UNLESS NOTED OTHERWISE ON PLANS. PROVIDE EITHER FACTORY OR FIELD PLENUM. E. WHERE SLOT DIFFUSERS ARE SHOWN WALL TO WALL, CONTRACTOR SHALL VERIFY EXACT LENGTHS AND FIELD CUT AS REQUIRED. F. CLEAR ANODIZED FINISH. G. MAXIMUM SECURITY GRILLE WITH 3/16" INCH PERFORATIONS. H. PAINT SHALL PASS 100-HOUR ASTM D171 CORROSIVE ENVIRONMENTS SALT SPRAY TEST, 250 HOUR ASTM D870 WATER IMMERSION TEST, AND ASTM D2794 REVERSE IMPACT CRACKING TEST WITH 50 INCH-POUND FORCE. I. FUTURE WORK. NOT IN CONTRACT.						

NINTH FLOOR LAB AIR VALVE SCHEDULE (PARTIAL)													
MARK	AREA SERVED	MANUFACTURER/ MODEL NO.	DESIGN AIRFLOW		VALVE CAPACITY		HEATING COIL					SOUND ATTENUATOR DESIGNATION	NOTES
			MAX	MIN	MAX	MIN	CFM	CAP. MBH	GPM	APD W.C.	WPD FT		
(E) SAV-09-35	LAB ALCOVE P15-9460E	(E) SIEMEN SUPPLY AIR TERMINAL	-	-	-	-	-	-	-	-	-	-	1,2,3,4,5,6
(E) EAV-09-35	LAB ALCOVE P15-9460E	(E) SIEMEN EXHAUST AIR TERMINAL	-	-	-	-	-	-	-	-	-	-	1,2,3,4,5,6
(E) SAV-09-36	LAB ALCOVE P15-9460F	(E) SIEMEN SUPPLY AIR TERMINAL	-	-	-	-	-	-	-	-	-	-	1,2,3,4,5,6
(E) EAV-09-36	LAB ALCOVE P15-9460F	(E) SIEMEN EXHAUST AIR TERMINAL	-	-	-	-	-	-	-	-	-	-	1,2,3,4,5,6
EAV-09-36-A	LAB ALCOVE P15-9460F	SIEMEN EXHAUST AIR TERMINAL 08	310	141	1,120	130	-	-	-	-	-	SA-C	1,2,3,4,5
NOTES: 1. CONTROLS SHALL BE BY SIEMENS, INSTALLED AT THE FACTORY. 2. MOUNT WITH 1/5 STRAIGHT DUCT DIAMETERS UPSTREAM OF THE BOX, VERIFY WITH MANUFACTURER. 3. EWT = 180 F, LWT = 160 F 4. PROVIDE 2 WAY, MODULATING CONTROL VALVES ON HEATING COILS. 5. PROVIDE SOUND ATTENUATOR FOR VALVE AS SCHEDULED AND SHOWN ON DRAWINGS. 6. EXISTING SAVE/AV TO REMAIN													

1

2

3

4

5

(R) Ø	RELOCATED PHASE
A	AMPERE
AC	ABOVE COUNTER
AF	AMP FRAME (CIRCUIT BREAKER)
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
AMP	AMPERE
AP	WIRELESS ACCESS POINT
AT	AMP TRIP (CIRCUIT BREAKER OR FUSE)
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO-VIDEO, AUDIO-VISUAL
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
BJ	BONDING JUMPER
BKR	BREAKER
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CAS	CASING
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CE	COVER ELEVATION
CEM	CEMENT
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CG	CORNER GUARD
CH	CHANNEL
CJ	CONSTRUCTION JOINT
CKT	CIRCUIT
CKT BK	CIRCUIT BREAKER
CL	CIRCUIT LINE
CM	CEILING MOUNTED
CMP	CORRUGATED METAL PIPE
CO	CONDUIT ONLY
COMP	COMPOSITE
COORD	COORDINATE
COORD	COORDINATE
CSK	COUNTERSUNK
CT	CURRENT TRANSFORMER
CTL	CONTROL
CU	COPPER
CVW	COMBINATION WASTE AND VENT
DB	DECIBEL
DC	DIRECT CURRENT
DISC	DISCONNECT
DP	DISTRIBUTION PANELBOARD
DW	DISHWASHER
ECS	EMERGENCY COMMUNICATION SYSTEM
ESB	ELECTRICAL GROUNDING BUSBAR
EMD	ESTIMATED MAXIMUM DEMAND
EMGB	ELECTRICAL MAIN GROUNDING BUSBAR
EP	EXPLOSION PROOF
ERMS	ENERGY REDUCTION MAINTENANCE SWITCH
EW	ELECTRIC WATER COOLER
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FC	FOOT CANDLE
FLA	FULL LOAD AMPS
FS	FLOW SWITCH
FSD	FIRE SMOKE DAMPER
G	EQUIPMENT GROUNDING CONDUCTOR
GEN	GENERATOR
GFI, GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GPFE	GROUND FAULT PROTECTION OF EQUIPMENT
GND	EQUIPMENT GROUNDING CONDUCTOR
HH	HANDHOLE
HOA	HAND-OFF-AUTOMATIC
HP	HORSE POWER
IC	INTERROOM
IG	ISOLATED GROUND
JB	JUNCTION BOX
KAIC	THOUSAND AMPERE INTERRUPTING CIRCUIT
KV	KILOVOLT
KVA	KILOVOLT-AMPERES
KW	KILOWATT
LT	LIGHT
LTG	LIGHTING
MCA	MINIMUM CIRCUIT AMPACITY
MCS	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MH	MANHOLE
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
MRTS	MOTOR RATED TOGGLE SWITCH
MSB	MAIN SWITCHBOARD
MTD	MOUNTED
MTG	MOUNTING
MTS	MAIN TRANSFER SWITCH
N	NEUTRAL
NC	NORMALLY CLOSED
NF	NON-FUSED
NL	NIGHT LIGHT
NO	NORMALLY OPEN
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OSKY	OUTSIDE SCREW AND YOKE
P	POLE(S)
PA	PUBLIC ADDRESS
PB	PULL BOX
PH	PHASE
PV	POST INDICATOR VALVE
PNL	PANEL
PWR	POWER
RCP	REFLECTED CEILING PLAN
RECP	RECEPTACLE
REF	REFERENCE
RESP	RESPONSIVE
SCCR	SHORT CIRCUIT CURRENT RATING
SD	SMOKE DAMPER
SEC	SECONDARY
SPD	SURGE PROTECTION DEVICE
SWBD	SWITCHBOARD
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TC	TIME CLOCK
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TMSB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TO	TELECOMMUNICATIONS OUTLET
TR	TELECOMMUNICATIONS ROOM
TS	TAMPER SWITCH
TV	TELEVISION
UG	UNDERGROUND
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VA	VOLT-AMPERE
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE
WA	TELECOMMUNICATIONS WORK AREA
WG	WIRE GUARD
WP	WEATHER-PROOF (NEMA 3R)
XFMR	TRANSFORMER

* NOTE *

ALL NOTES ON THIS SHEET ARE APPLICABLE TO ALL OTHER SHEETS IN THIS SET.

THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE APPLICABLE IN THIS SET OF DRAWINGS.

NOTES

GENERAL NOTES

- MODIFICATIONS TO EXISTING POWER DISTRIBUTION EQUIPMENT: MATCH EXISTING MANUFACTURER, SWITCH TYPE, FUSE TYPE, BREAKER TYPE AND KAIC RATING FOR ALL INSTALLED DEVICES.
- EXISTING PANEL DIRECTORIES AT PANELS AFFECTED BY WORK: PROVIDE UPDATED TYPED PANEL DIRECTORY. CONSULT OWNER FOR INPUT ON LABELING OF ALL EXISTING CIRCUITS.
- DEVICES AND LIGHT FIXTURES DENOTED 'ER' ARE EXISTING TO BE RELOCATED. NOTIFY AE IF DEVICES OR FIXTURES ARE DAMAGED.

GENERAL DEMOLITION NOTES

- ITEMS INDICATED ON DEMOLITION PLANS ARE BASED ON AS-BUILT DRAWINGS AND FIELD OBSERVATIONS AND ARE INTENDED TO GIVE THE BIDDER A GENERAL REPRESENTATION OF EXISTING CONDITIONS.
- REMOVE ALL ITEMS SHOWN FULL-TONE OR NOTED ELSEWHERE IN THE DOCUMENTS TO BE REMOVED OR DEMOLISHED. DEMOLISH ADDITIONAL ITEMS NOT SHOWN ON DRAWINGS, BUT WHICH MUST BE REMOVED TO COMPLETE THE PROJECT.
- ITEMS SHOWN HALF-TONE ARE EXISTING TO REMAIN.
- RELOCATE ITEMS DENOTED 'ER'. SEE LIGHTING, POWER AND/OR SPECIAL SYSTEM SHEETS FOR NEW LOCATIONS. 'ER' IS DEFINED AS EXISTING (TO BE) RELOCATED.
- EXISTING CONDUIT MAY REMAIN IF ALL THE FOLLOWING ARE TRUE:
A. IT CAN BE REUSED TO FEED DEVICES INSTALLED UNDER THIS CONTRACT.
B. IT DOES NOT INTERFERE WITH OTHER TRADES.
C. IT WAS ORIGINALLY INSTALLED MEETING SPECIFICATIONS RELATED TO THIS PROJECT.
D. IT WILL NOT BE EXPOSED IN A FINISHED AREA (UNLESS NOTED OTHERWISE).
- PROVIDE ELECTRICAL DEMOLITION ASSOCIATED WITH MECHANICAL EQUIPMENT TO BE REMOVED. IN ADDITION TO DEVICES SHOWN, REFER TO MECHANICAL AND ARCHITECTURAL DEMOLITION SHEETS TO DETERMINE EQUIPMENT TO BE REMOVED.
- MAINTAIN FUNCTIONALITY OF ALL EXISTING LOW VOLTAGE SYSTEMS INCLUDING, BUT NOT LIMITED TO, TELECOM CABLE NETWORKS, INTERCOM, CLOCKS, FIRE ALARM, SAFETY AND SECURITY DURING ALL PHASES OF CONSTRUCTION. PROVIDE TEMPORARY INTERCONNECTIONS AS REQUIRED TO ACCOMMODATE CONSTRUCTION SCHEDULE.

GENERAL POWER NOTES

- VERIFY ANY NEUTRAL WIRES REQUIRED ON 1Ø OR 3Ø MECHANICAL UNITS FURNISHED UNDER DIVISION 23. IF REQUIRED, PROVIDE NEUTRAL.
- PROVIDE DEDICATED 120-VOLT CIRCUITS TO ALL HVAC BAS CONTROL DEVICES AND PANELS. COORDINATE QUANTITY WITH DIVISION 23. UTILIZE NEAREST SPARE 120-VOLT, 201 BREAKER. LABEL TYPED PANEL DIRECTORY ACCORDING TO LOAD BEING SERVED.
- IN ADDITION TO DEVICES SHOWN, SEE SCHEDULE SHEETS FOR CONNECTIONS TO ALL MECHANICAL EQUIPMENT.
- LOCATE SWITCHES FOR CONTROL OF FANS IN TWO-GANG BOX WITH LIGHT SWITCH WHERE APPLICABLE.
- PROVIDE #10AWG CONDUCTORS FOR ALL WARM AIR DRYER CIRCUITS. PROVIDE LOCKOUT DEVICE AT ALL BREAKERS SERVING WARM AIR DRYERS.

GENERAL LIGHTING NOTES

- SEE LIGHT FIXTURE SCHEDULE AND SYMBOLS LEGEND FOR MOUNTING HEIGHTS, UNLESS NOTED OTHERWISE.
- PROVIDE #10AWG MINIMUM CONDUCTORS FOR ALL EXTERIOR LIGHTING CIRCUITS.
- SEE ARCHITECTURAL BUILDING ELEVATIONS FOR LOCATION OF BUILDING MOUNTED EXTERIOR LIGHT FIXTURES.
- PROVIDE BEAD OF SILICONE SEALANT AROUND RECESSED BACK BOX PERIMETER AT ALL BUILDING MOUNTED EXTERIOR LIGHT FIXTURE LOCATIONS.
- CIRCUIT FIXTURES DENOTED WITH 'N' AS UNSWITCHED NIGHT LIGHTS.
- FIXTURES DENOTED WITH LOWER CASE LETTERS SHALL BE CONTROLLED BY SWITCHES DENOTED WITH THE SAME LOWER CASE LETTER IN EACH ROOM.

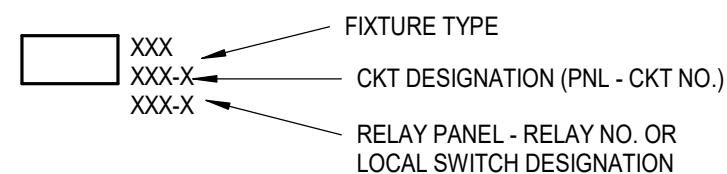
GENERAL DEVICE BOX NOTES

- SEE SYMBOLS LEGEND THIS SHEET FOR MOUNTING HEIGHTS UNLESS NOTED OTHERWISE ON DRAWINGS.
- ALL MOUNTING HEIGHTS ARE TO CENTERLINE OF BOXES UNLESS NOTES OTHERWISE.
- PROVIDE BOX EXTENDER FOR FLUSH INSTALLATION OF DEVICES LOCATED IN ARCHITECTURAL CASEWORK THAT IS FLUSH WITH ADJACENT WALL (SUCH AS RECEPTACLES FOR GARBAGE DISPOSERS).
- FLOOR BOXES: OBTAIN OWNER APPROVAL OF ALL BOX LOCATIONS PRIOR TO ROUGH IN. PROVIDE DEVICE PLATES AT DEVICES AND BLANK PLATES AT ALL UNUSED COMPARTMENTS.
- COORDINATE LOCATION OF DEVICE BOXES FOR SWITCHES, RECEPTACLES, AND SYSTEMS DEVICES WITH MARKERBOARDS. ADJUST BOX LOCATIONS TO AVOID MARKERBOARDS.
- COORDINATE LOCATION OF DEVICE BOXES FOR SWITCHES, RECEPTACLES, AND SYSTEMS DEVICES WITH TACKBOARDS. ADJUST BOX LOCATIONS TO AVOID TACKBOARDS. PROVIDE BOX EXTENDER FOR A FLUSH INSTALLATION WHERE DEVICES MUST BE MOUNTED AT TACKBOARD/TACKWALL.
- CEILING MOUNTED RECEPTACLES: AT SUSPENDED CEILINGS, ROUTE POWER TO RECEPTACLE VIA FLEXIBLE METALLIC CONDUIT WITH 8-FOOT SERVICE LOOP. FEED FMC FROM A J-BOX RIGIDLY SUPPORTED A MAXIMUM OF 24-INCHES ABOVE SUSPENDED CEILING OR AT BOTTOM OF STRUCTURE ABOVE, WHICHEVER IS LOWER. LOCATE J-BOX DIRECTLY ABOVE RECEPTACLE AND SUPPORT VIA STRUCTURE, OR VIA THREAD ROD AND UNISTRUT HUNG FROM STRUCTURE ABOVE IN HIGH STRUCTURE APPLICATIONS.
- DEVICES RECESSED IN MILLIONS: BACK BOXES TO BE RECESSED FOR FLUSH INSTALLATION OF DEVICE AND WALLPLATE. EXTEND CONCEALED CONDUIT IN MILLION UP TO WALL ABOVE AND STUB OUT ABOVE ACCESSIBLE CEILING. IN AREAS WITH NO CEILING, EXTEND CONDUIT TOWARDS CABLEING SOURCE TO ABOVE NEAREST ACCESSIBLE CEILING.

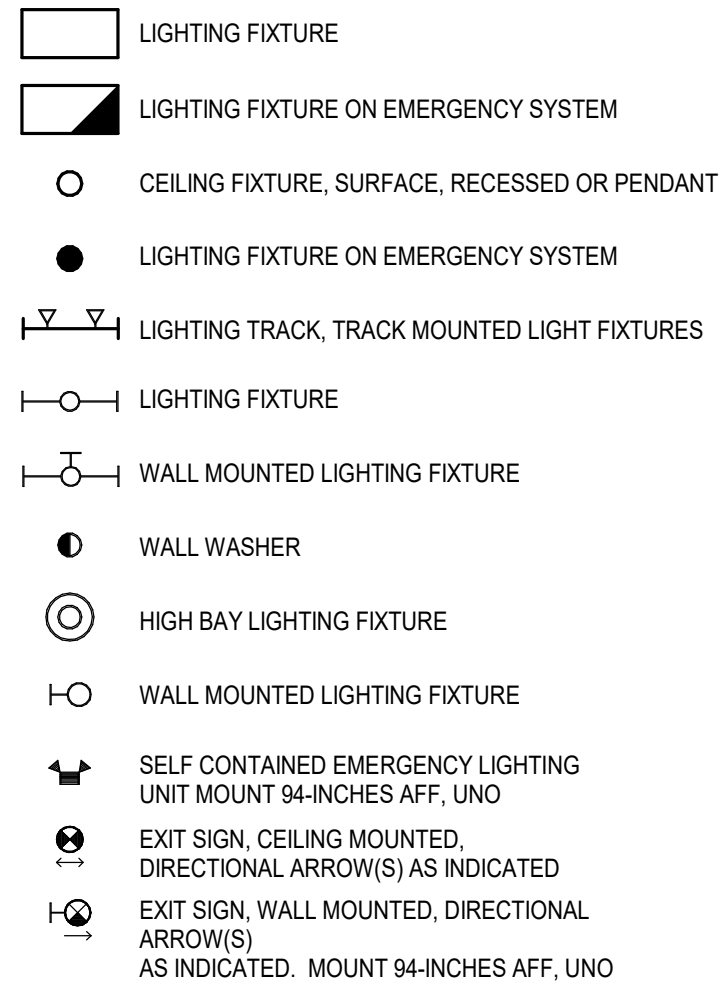
ELECTRICAL SYMBOLS

LIGHTING

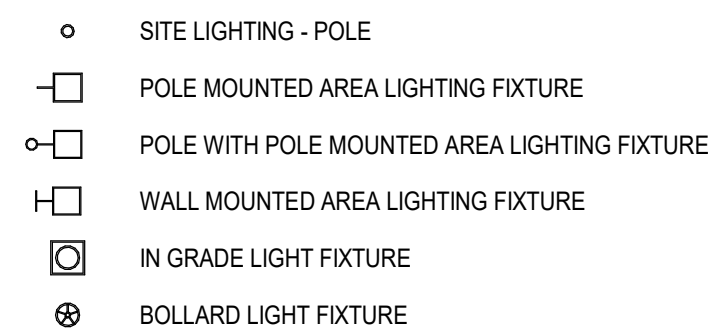
LIGHTING FIXTURE TAG



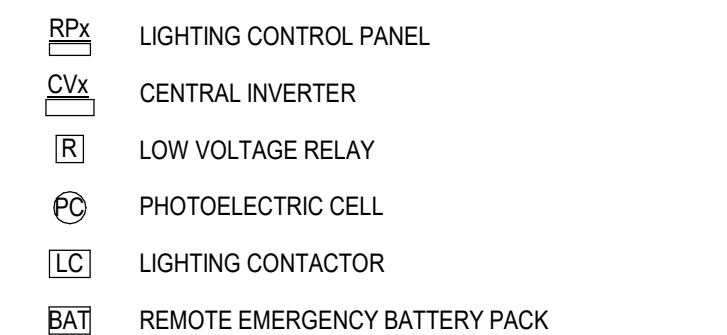
LIGHTING FIXTURES



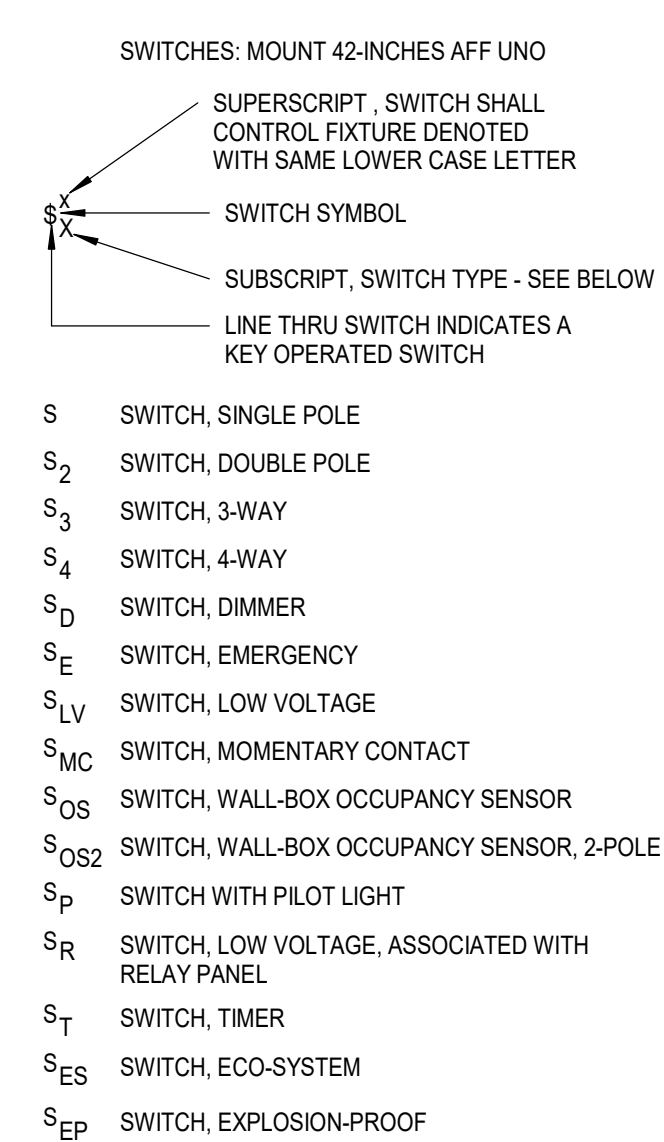
AREA LIGHTING



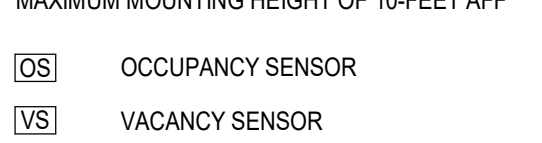
LIGHTING CONTROL DEVICES



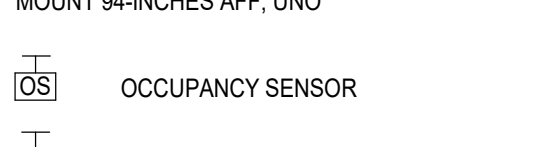
SWITCHES AND WALL-BOX CONTROLS



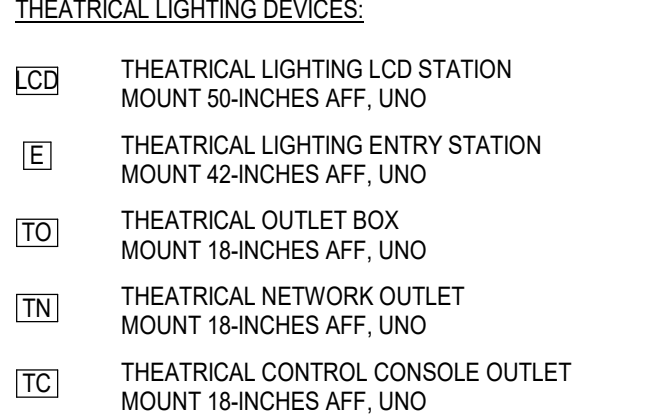
CEILING MOUNTED LIGHTING CONTROL DEVICES



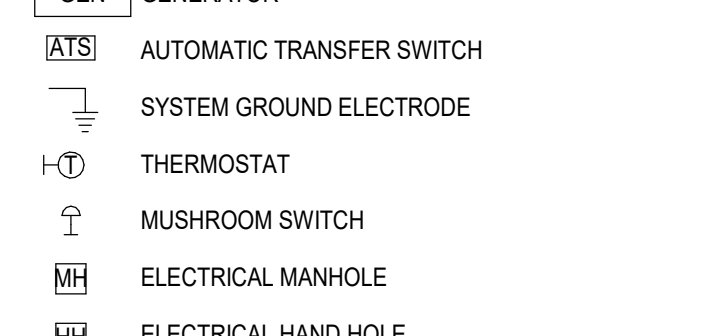
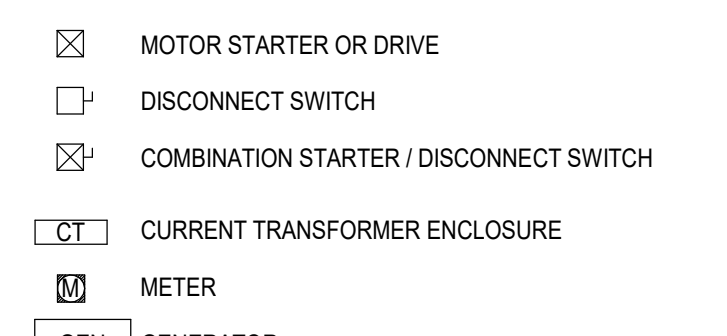
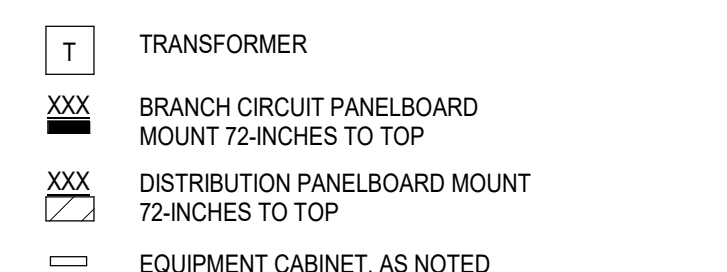
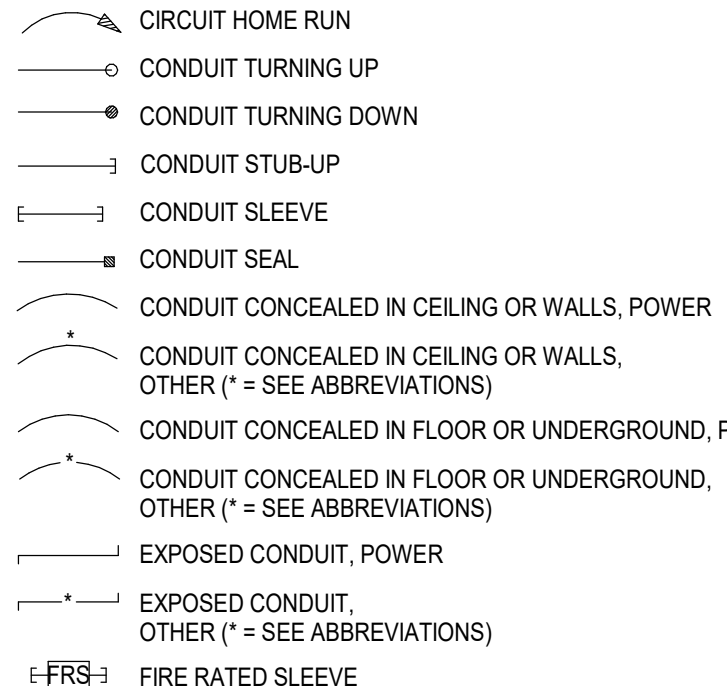
WALL MOUNTED LIGHTING CONTROL DEVICES



THEATRICAL LIGHTING DEVICES



POWER



RECEPTACLES: MOUNT 18-INCHES AFF, UNO
DIAGONAL LINE THROUGH SYMBOL OR DENOTED 'AC' INDICATES MOUNT DEVICE ABOVE COUNTER
WHERE INDICATED AS 'MOUNT ABOVE COUNTER' MOUNT BOTTOM OF BOX 2-INCHES ABOVE TOP OF BACKSPASH OR 6-INCHES ABOVE COUNTER TOP IF NO BACKSPASH EXISTS.

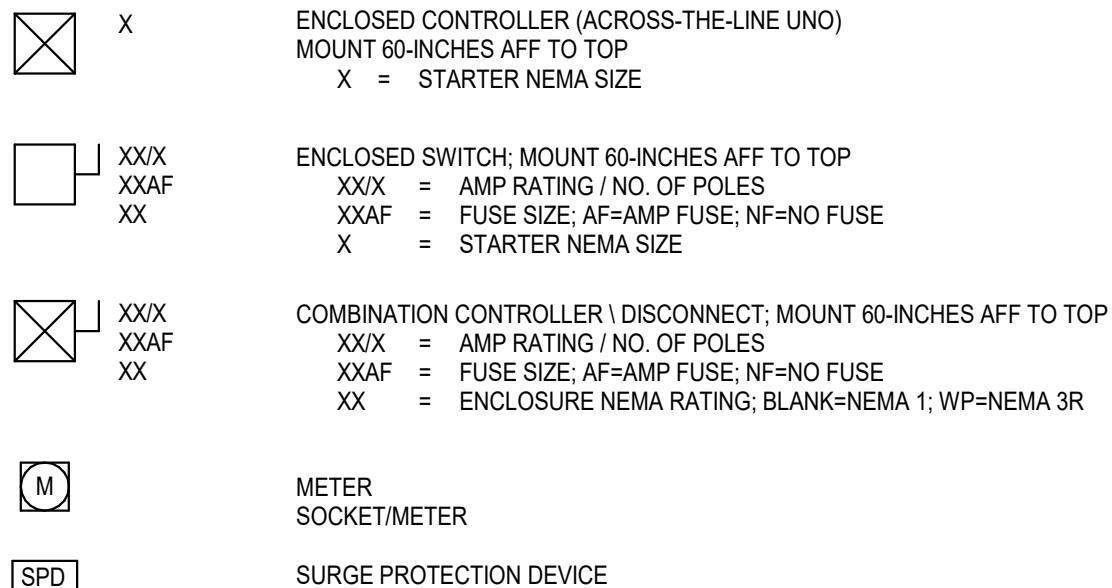
LABELS SHALL BE MACHINE PRINTED, UNO
SIMPLEX RECEPTACLE
DUPLX RECEPTACLE
DUPLX RECEPTACLE, GFI TYPE
DUPLX RECEPTACLE, MOUNT ABOVE COUNTER
DUPLX RECEPTACLE, GFI TYPE, MOUNT ABOVE COUNTER
DOUBLE DUPLX RECEPTACLE
DOUBLE DUPLX RECEPTACLE, GFI TYPE
DOUBLE DUPLX RECEPTACLE, MOUNT ABOVE COUNTER
DOUBLE DUPLX RECEPTACLE, GFI TYPE, MOUNT ABOVE COUNTER

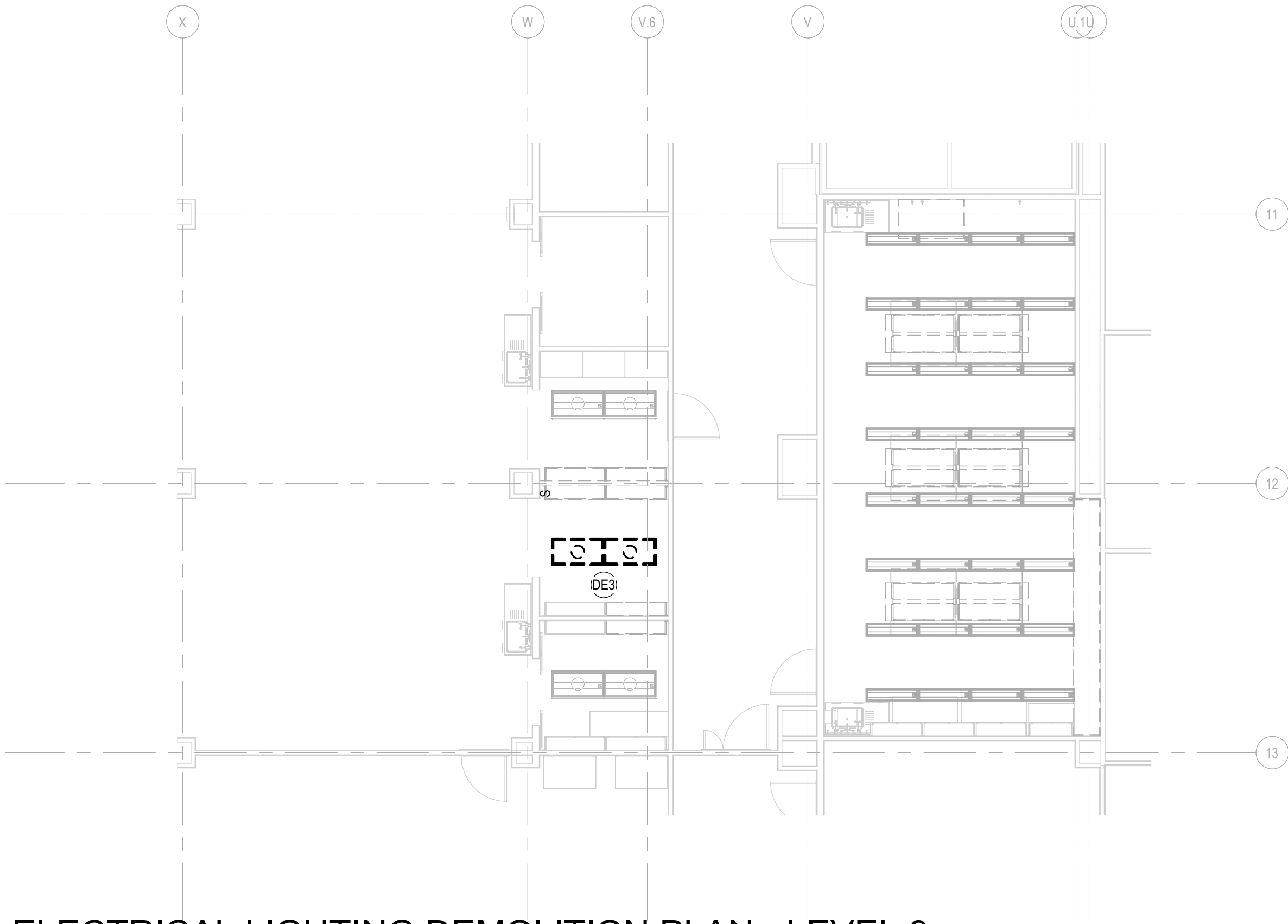
DUPLX RECEPTACLE, FLUSH IN CEILING
DOUBLE DUPLX RECEPTACLE, FLUSH IN CEILING
DUPLX RECEPTACLE, HORIZONTALLY MOUNTED
DUPLX RECEPTACLE, HORIZ. MTD, GFI TYPE
DUPLX RECEPTACLE, HORIZ. MTD, ABOVE COUNTER
DUPLX RECEPTACLE, HORIZ. MTD, GFI TYPE, MOUNT ABOVE COUNTER

WEATHER RESISTANT GFI DUPLX RECEPTACLE, ROOF MOUNT 18-INCHES ABOVE ADJACENT STRUCTURE WITH A WEATHERPROOF, IN-USE COVER
WEATHER RESISTANT GFI DUPLX RECEPTACLE, MOUNT 18-INCHES AFF WITH A WEATHERPROOF, IN-USE COVER
STD DUPLX RECEPTACLE TO SERVE ELECTRIC WATER COOLER, MOUNT AT HEIGHT PER EQUIPMENT MANUFACTURER'S INSTALLATION GUIDELINES. WIRE TO GFCI BKR IN PANELBOARD.
DUPLX RECEPTACLE TO SERVE TELEVISION, MOUNT AT SAME HEIGHT AND WITHIN 8-INCHES OF ADJACENT TV OUTLET
SIMPLEX RECEPTACLE, CEILING MOUNTED L5-20R
DUPLX RECEPTACLE, EMERGENCY
DOUBLE DUPLX RECEPTACLE, EMERGENCY
DUPLX RECEPTACLE, LOWER SWITCH
DUPLX RECEPTACLE, SWITCHED
RANGE RECEPTACLE, MOUNT 8-INCHES AFF
SPECIAL RECEPTACLE, DEEP WELL BOX
FLUSH FLOOR OUTLET BOX UNO
FLUSH FLOOR BOX WITH DUPLX RECEPTACLE UNO
MULTI-DEVICE FLOOR BOX WITH DUPLX RECEPTACLE AND TELECOMMUNICATIONS OUTLETS

USB ONLY RECEPTACLE
RECEPTACLE WITH USB PORTS
FLUSH JUNCTION BOX, CEILING MOUNTED
JUNCTION BOX FOR FUTURE PROJECTOR POWER MOUNT 24-INCHES ABOVE SUSPENDED CEILING MOUNT TIGHT TO CEILING AT EXPOSED STRUCTURE LABEL BOX COVER 'PROJECTOR POWER'
JUNCTION BOX ABOVE SUSPENDED CEILING WITH FLEX CONNECTION
FLUSH JUNCTION BOX, WALL MOUNTED
SURFACE JUNCTION BOX, WALL MOUNTED
SURFACE JUNCTION BOX, CEILING MOUNTED
HAND DRYER, INSTALL HAND DRYER SPECIFIED IN DIV. 11

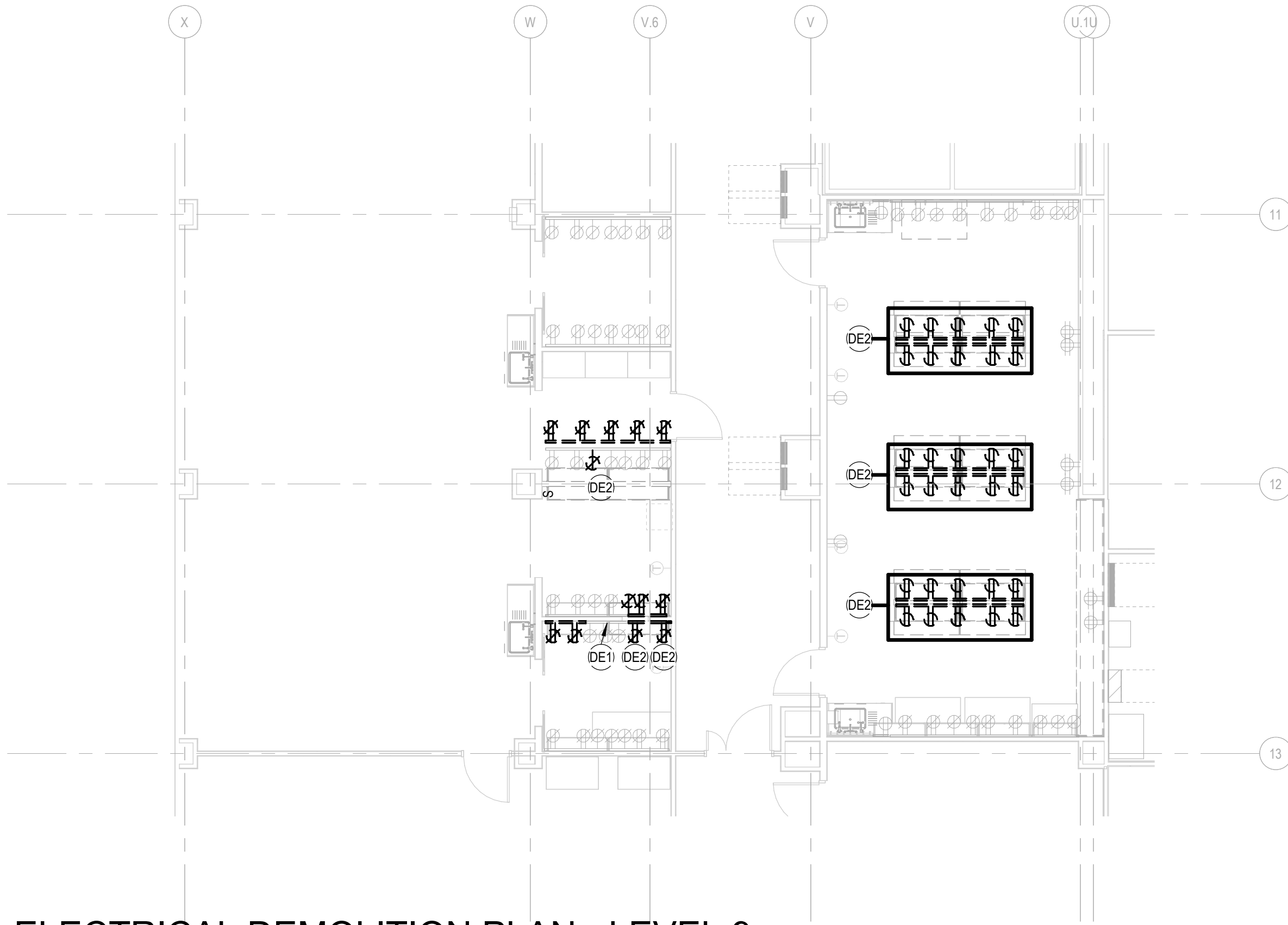
ONE-LINE DIAGRAM





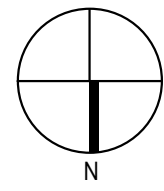
ELECTRICAL LIGHTING DEMOLITION PLAN - LEVEL 9

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



ELECTRICAL DEMOLITION PLAN - LEVEL 9

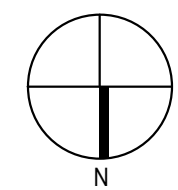
SCALE: 1/8" = 1'-0"



SHEET NOTES

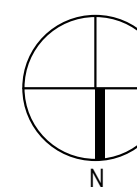
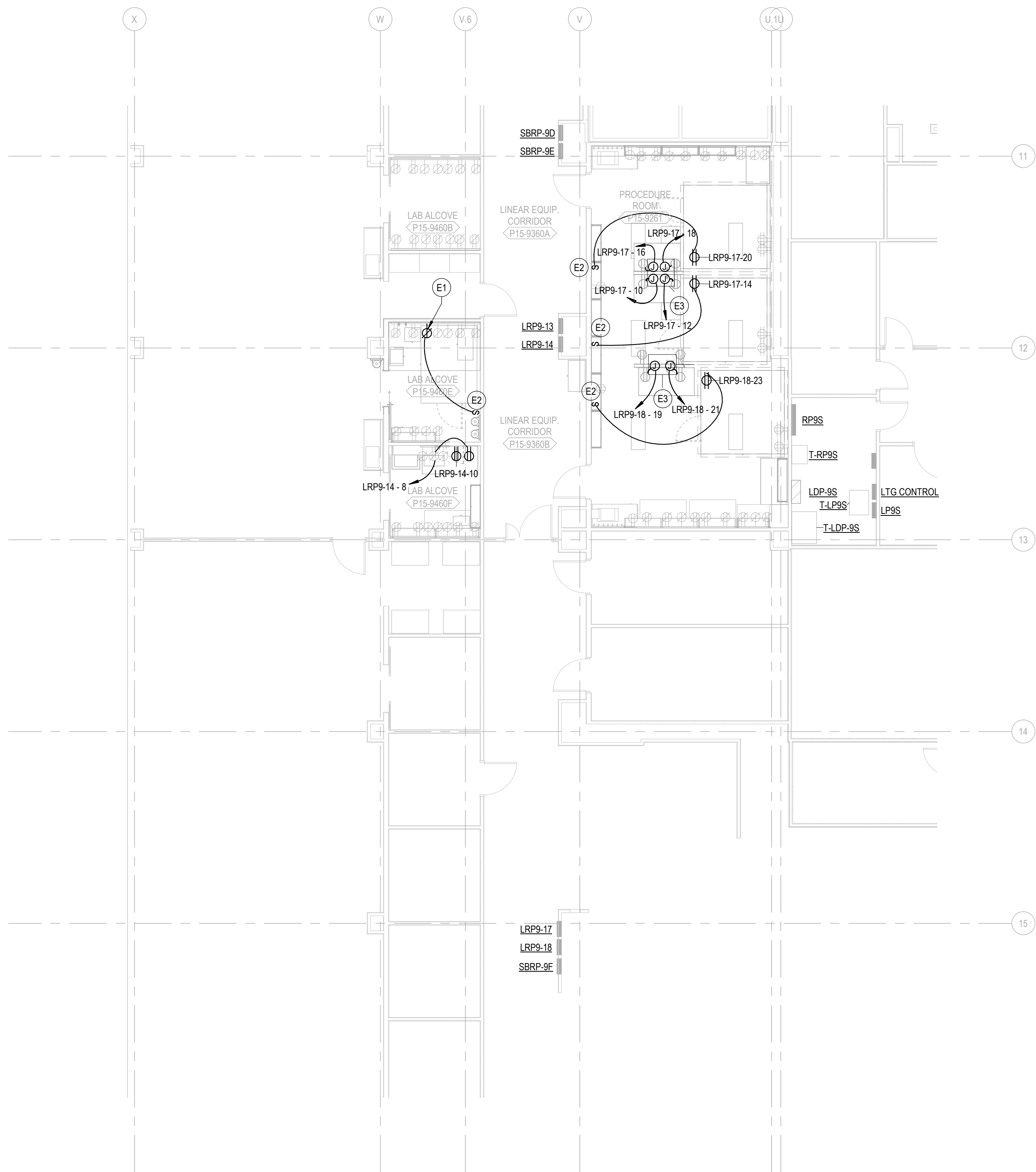
- DE1 CONTRACTOR TO PROVIDE END CAPS FOR SURFACE RACEWAY WHERE SHORTENED.
DE2 MAINTAIN EXISTING CIRCUITS FOR REUSE.
DE3 REMOVE ALL LIGHT FIXTURES AND CONTROLS, RETURN TO OWNER FOR SALVAGE. MAINTAIN CIRCUIT FOR REUSE.

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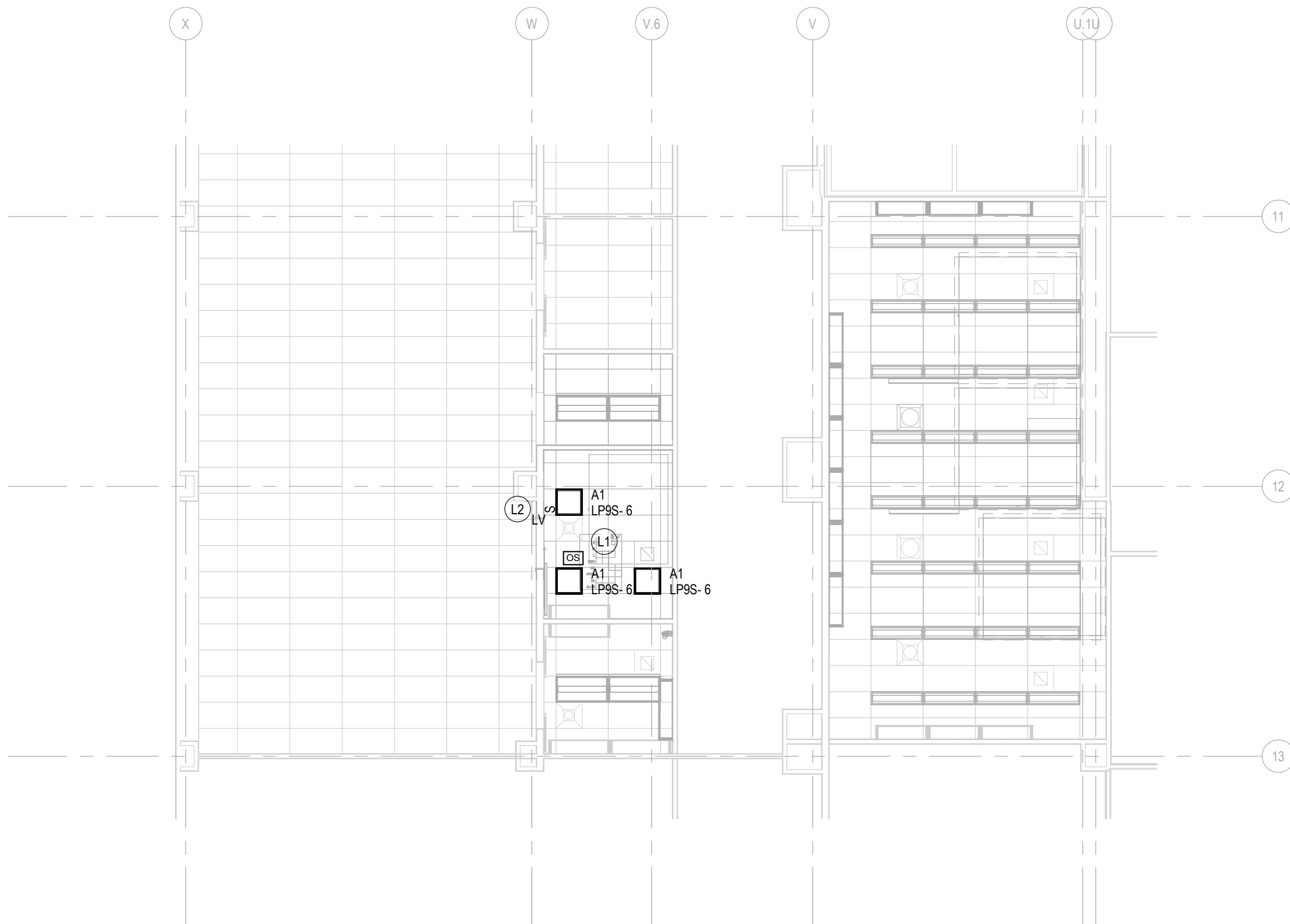
POWER PLAN - LEVEL 9

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



LIGHTING PLAN - LEVEL 9

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



SHEET NOTES

- E1 RECEPTACLE TO BE RELOCATED TO TAFF TO FEED SOUNDBOOTH.
- E2 SWITCH SHALL BE CIRCUITED TO RECEPTACLE SHOWN TO CONTROL SOUNDBOOTH. EXTEND EXISTING CIRCUIT AS NEEDED TO REFEED RECEPTACLE.
- E3 PROVIDE POWER CONNECTION TO PREWIRED DEMOUNTABLE WALL AT CEILING. COORDINATE CONNECTION TYPE WITH DEMOUNTABLE WALL MANUFACTURER.
- L1 CONNECT LIGHTING FIXTURES AND CONTROLS TO EXISTING LIGHTING CIRCUIT SERVING SPACE.
- L2 NEW LOW VOLTAGE DIMMER SHALL BE WIRED TO CONTROL FIXTURES IN SPACE. OCCUPANCY SENSOR SHALL BE PROGRAMMED TO TURN OFF LIGHTS AFTER 30 MIN OF NO MOTION.

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FLOOR PLAN -
LEVEL 9

E1.0



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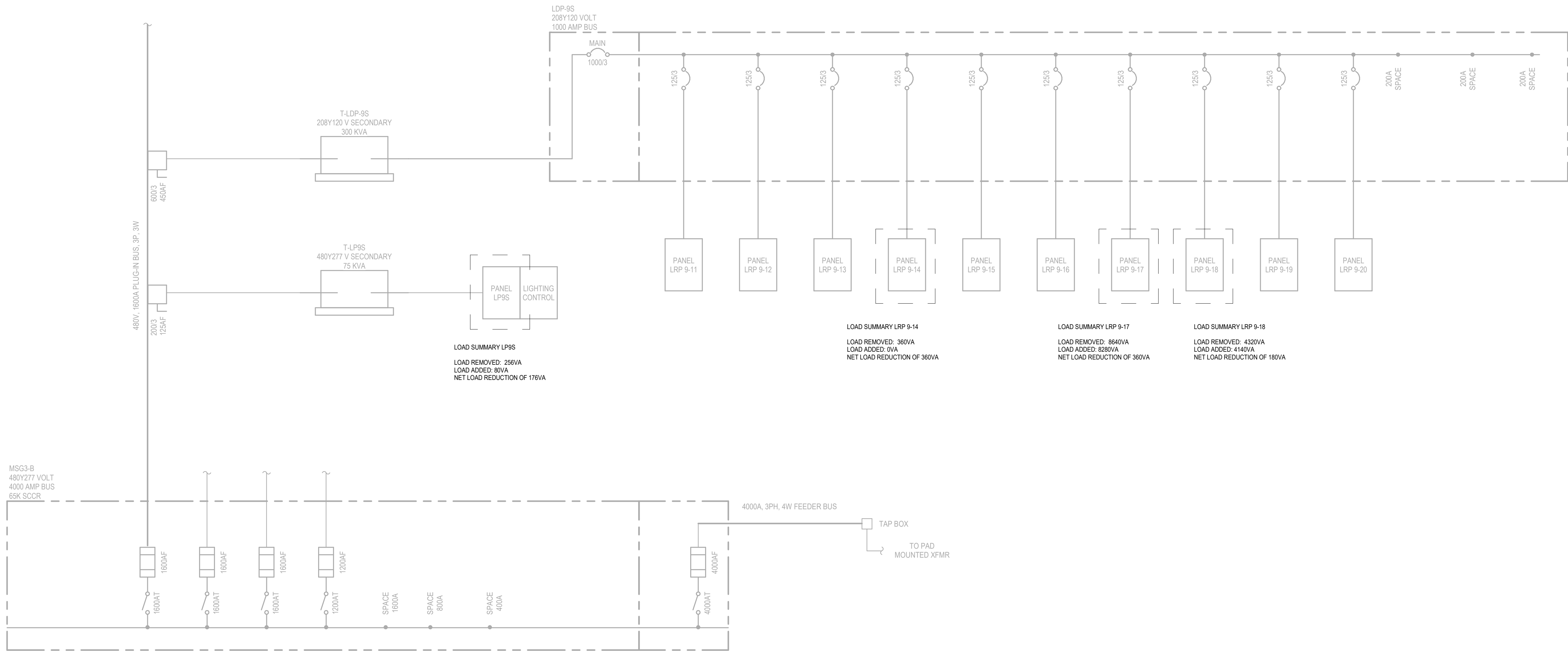
1

2

3

4

5



LIGHTING FIXTURE SCHEDULE											
TYPE	DESCRIPTION	MOUNTING	LAMP	Direct Lumen Output (lm)	Color Rendering Index (CRI)	VOLT	Watts	Dimming	MFR	Model	NOTE
A1	2X2' LENSED, RECESSED LED TROFFER, WITH SHALLOW HOUSING, SPECIFICATION GRADE, GRID TYPE 4000K	RECESSED	LED	3300 lm	80	277 V	27 W	0-10V	LITHONIA	2BLT2	

GENERAL SINGLE LINE NOTES

1. PROJECT RESULTS IN A NET REDUCTION OF LOAD ON ALL ELECTRICAL PANELS.
2. ELECTRICAL ONE-LINE DIAGRAM INFORMATION TAKEN FROM EXISTING DOCUMENTATION AND IS EXISTING TO REMAIN AND SHOWN FOR REFERENCE ONLY. ALL CIRCUITING TO BE REUSED.



12/18/2023

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PHYSIOLOGY MOVE

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ELECTRICAL
DIAGRAMS