

DRAWING SYMBOLS

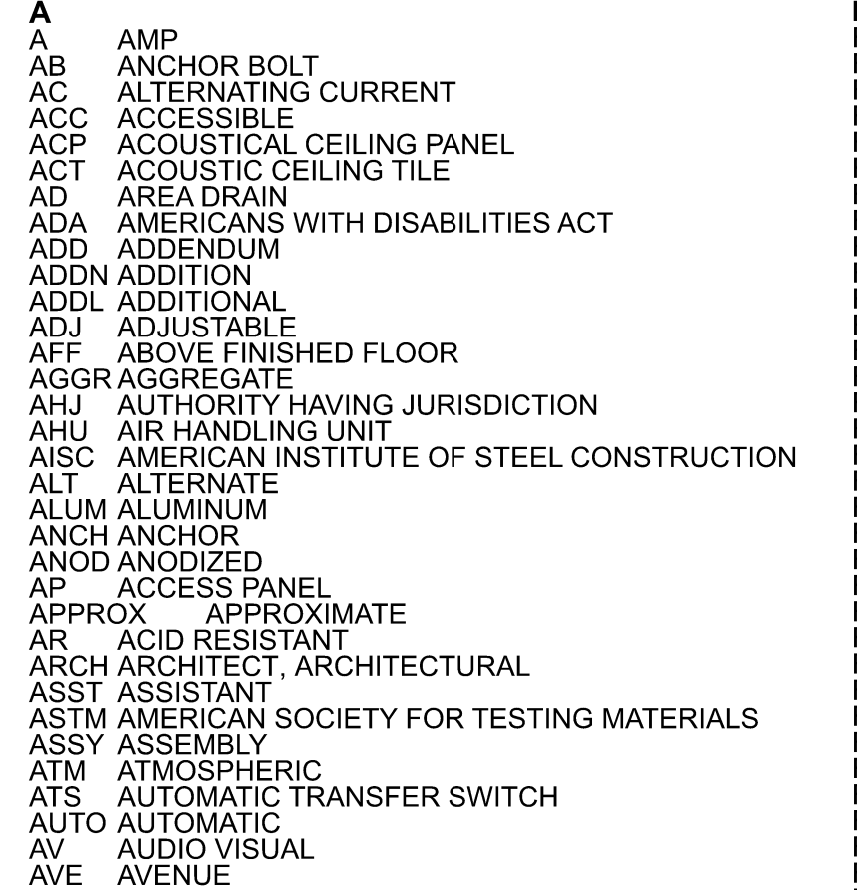
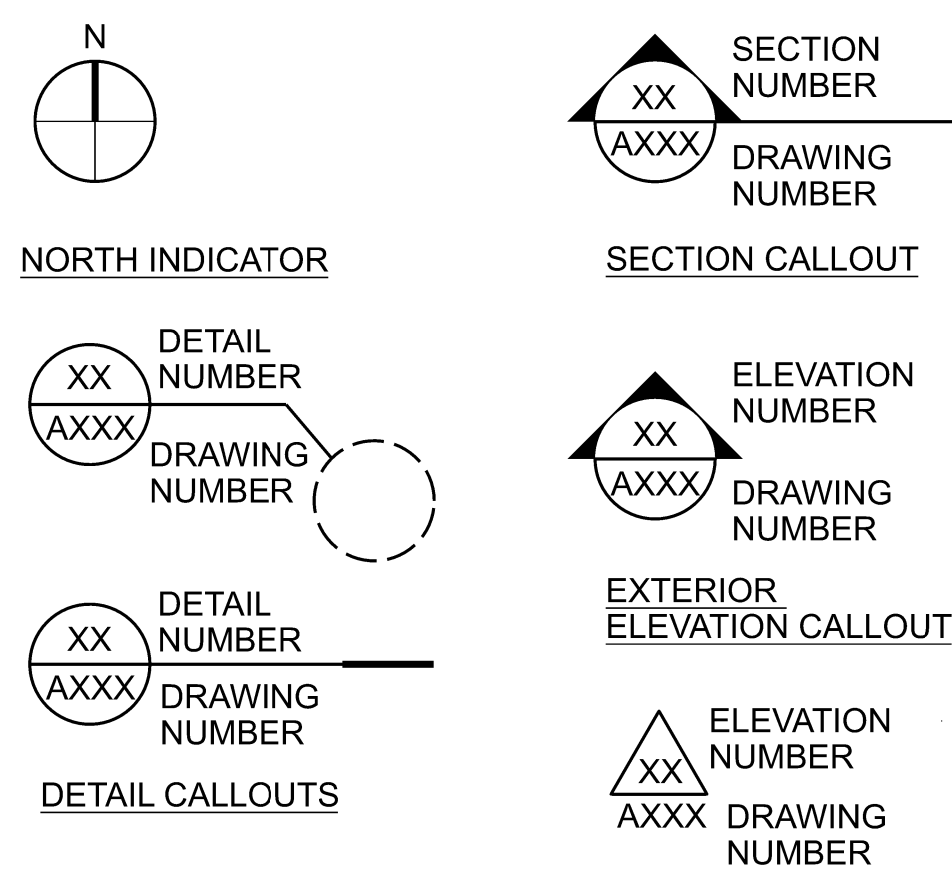
ABBREVIATIONS

VICINITY MAP

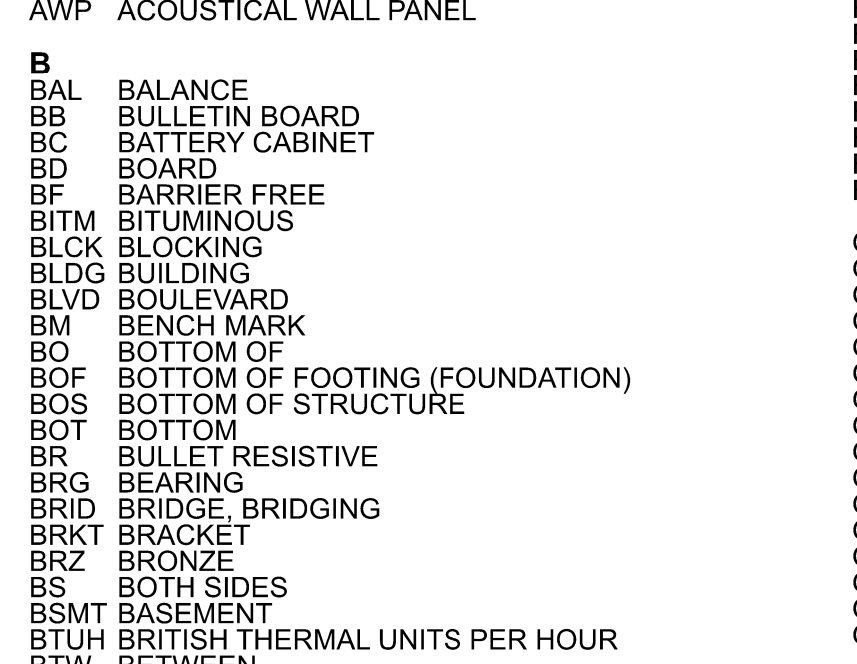
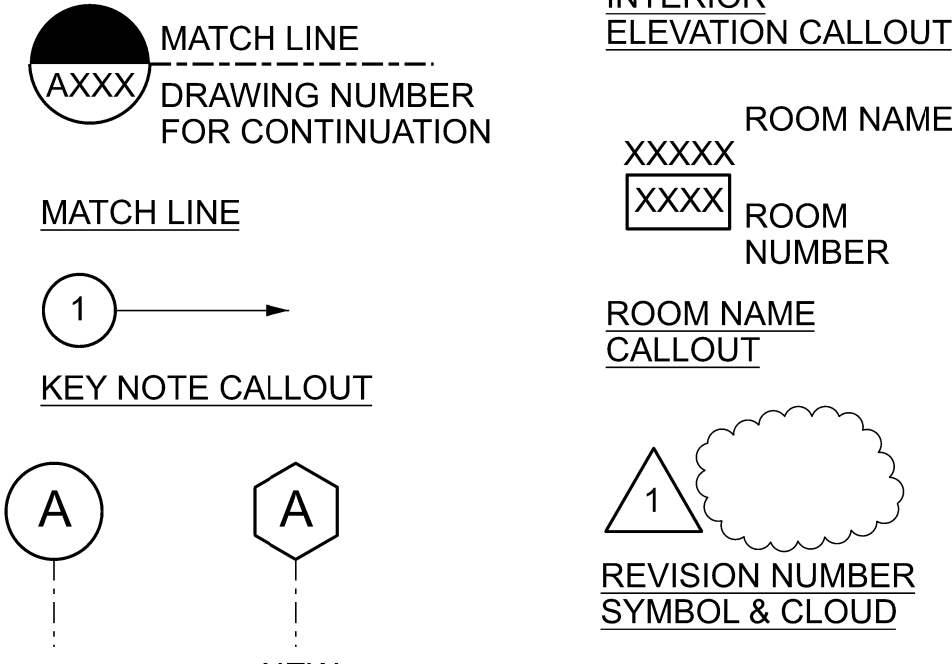
PROJECT DIRECTORY

SHEET INDEX

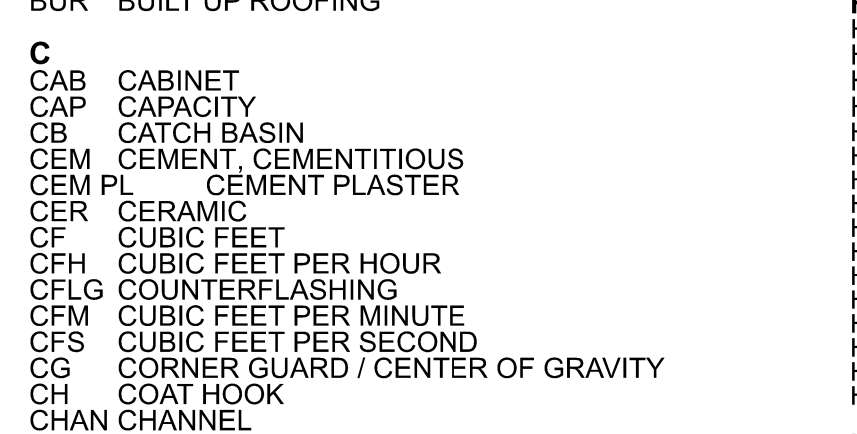
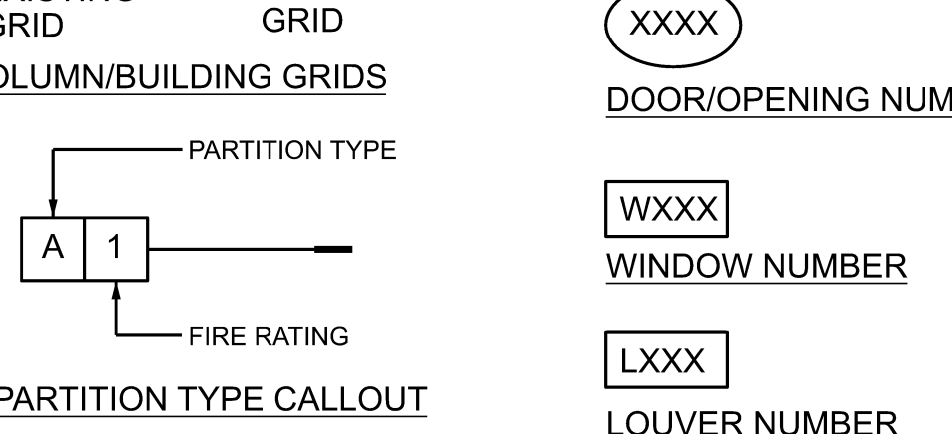
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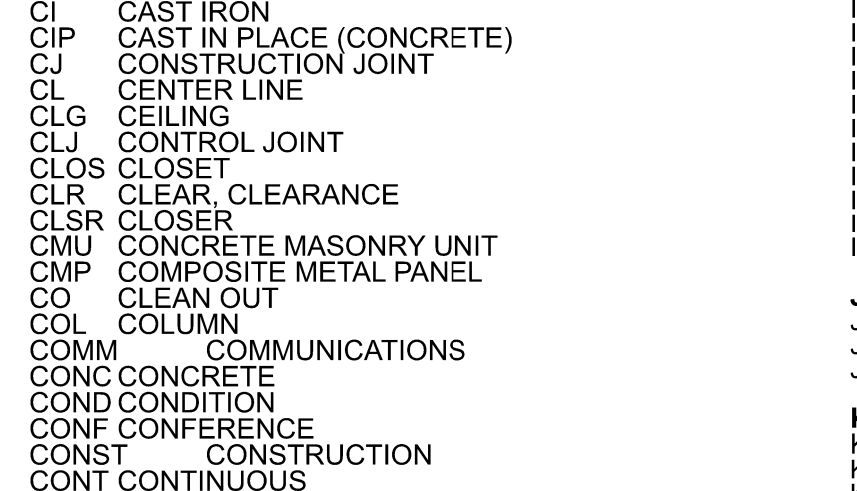
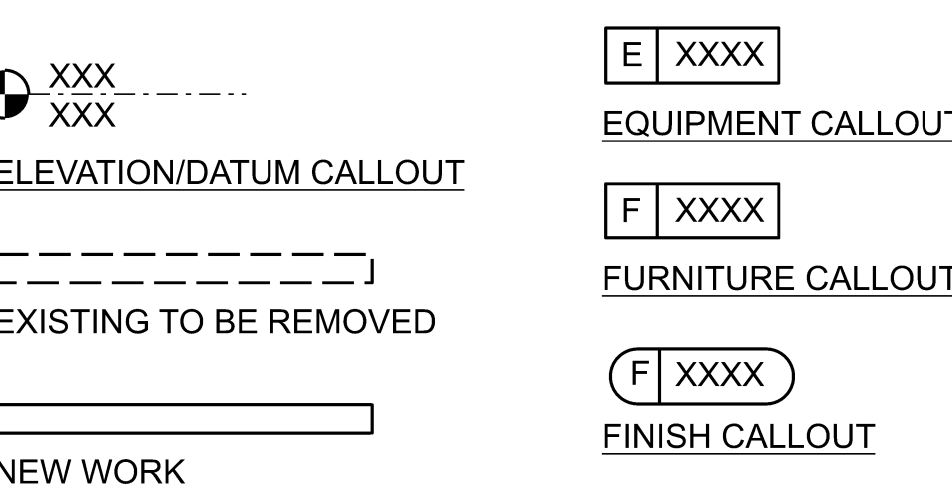
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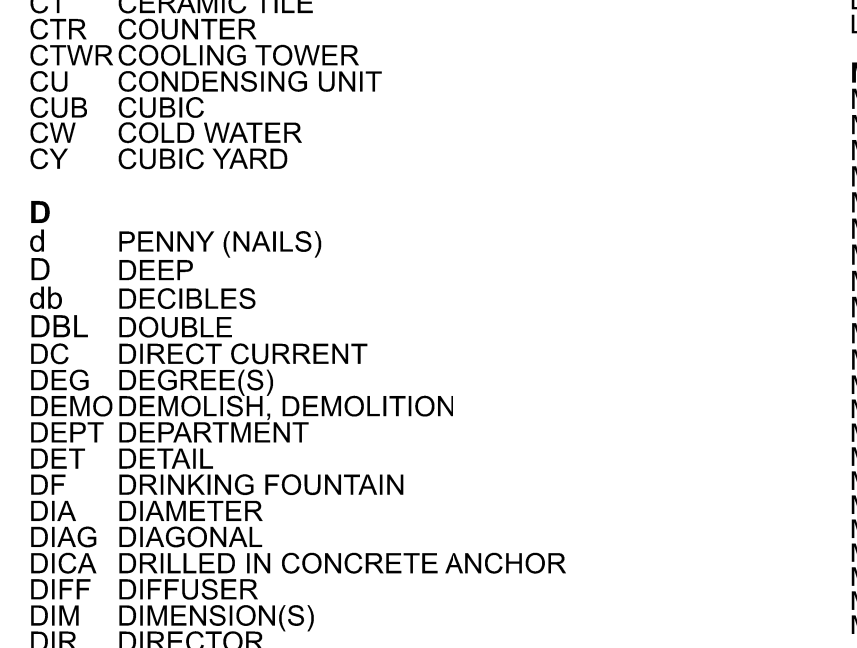
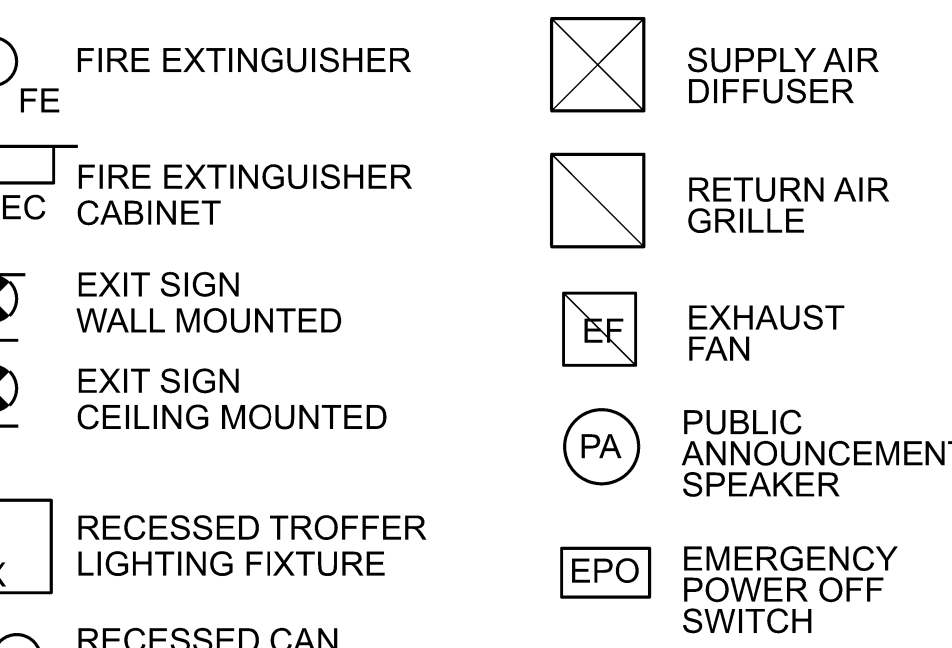


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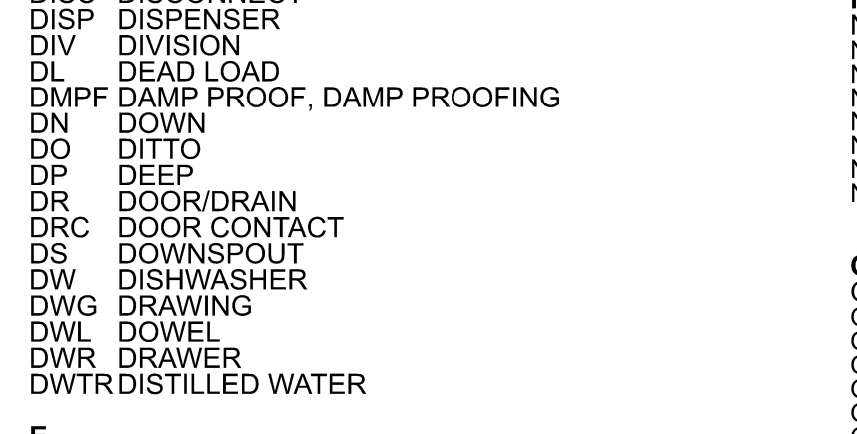
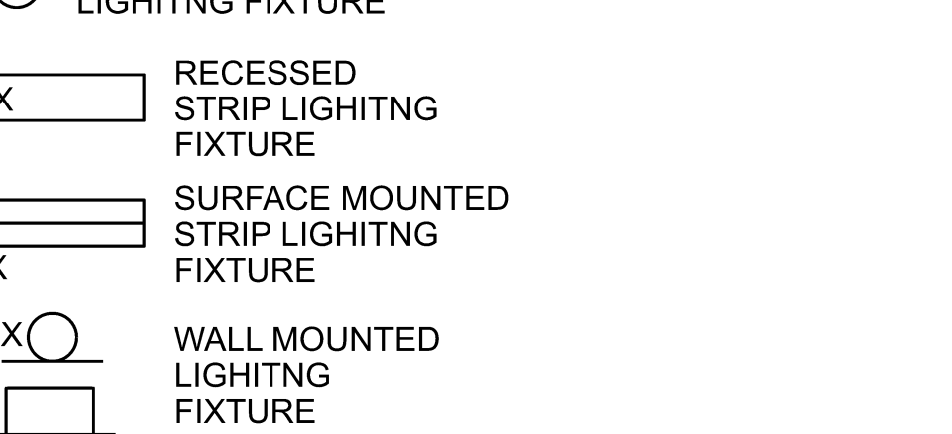


PLAN SYMBOLS

D

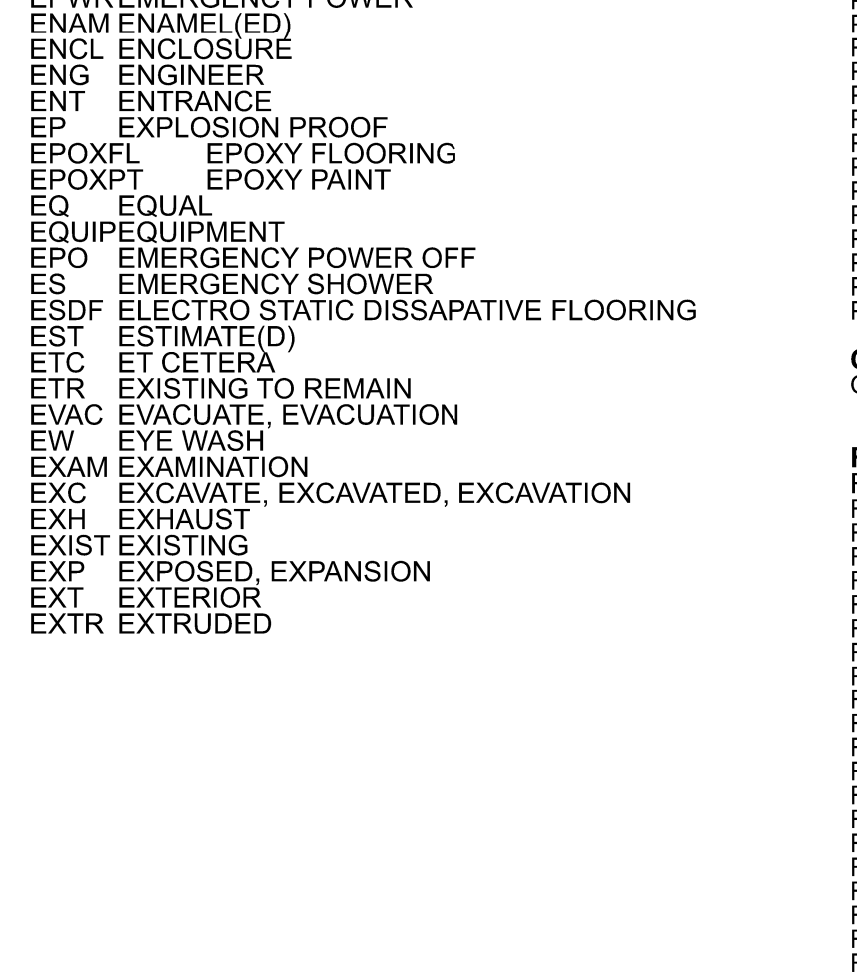
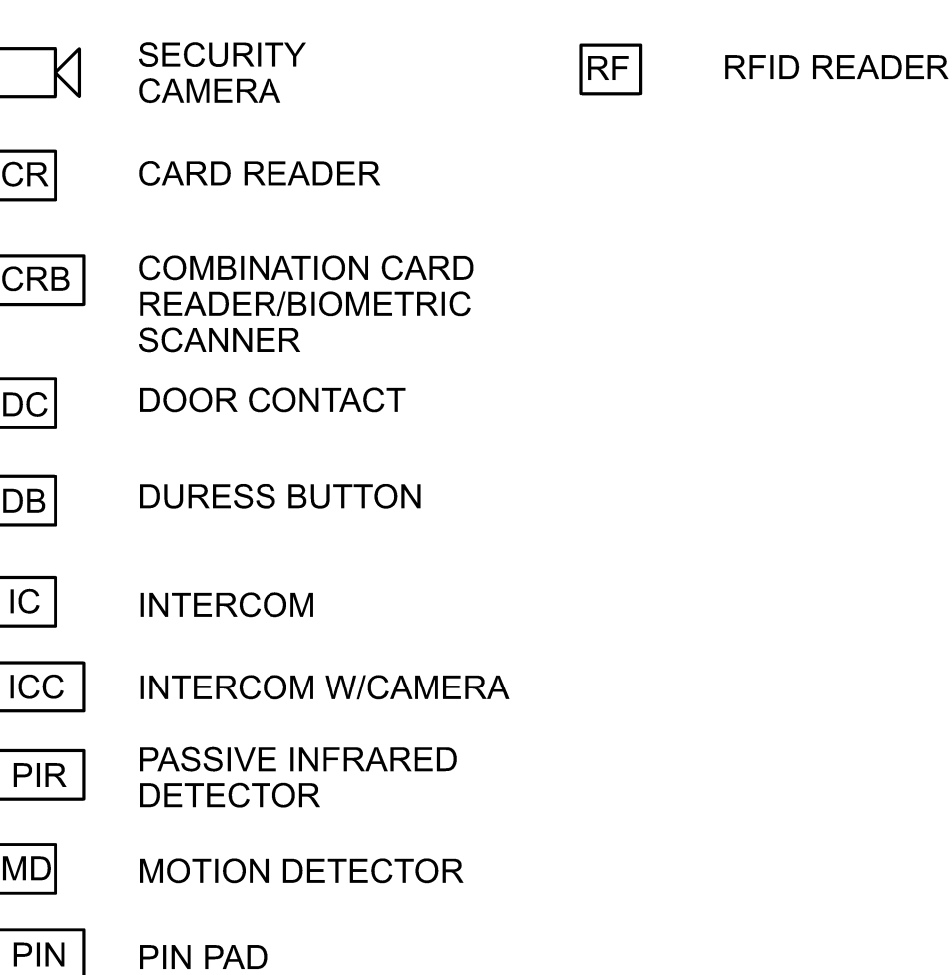


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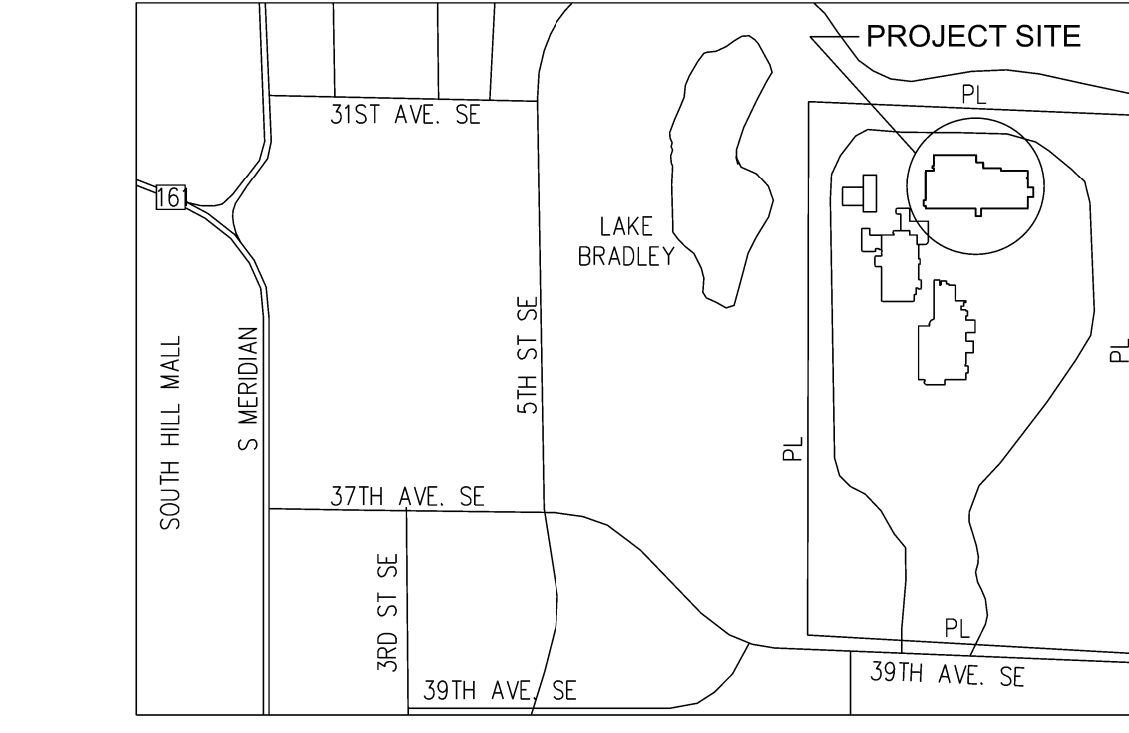


SECURITY SYMBOLS

B



A



OWNER: BENAROYA CAPITAL, LLC. ARCHITECT: CASCADE MISSION CRITICAL, LLC. STRUCTURAL ENGINEER: BSE-BRIENEN STRUCTURAL ENGINEERS.

PROJECT INFORMATION

SCOPE OF WORK

PROJECT ADDRESS: 1023 39TH AVENUE SE PUYALLUP, WA 98374-2121. PARCEL NUMBER: 0419034037. LEGAL DESCRIPTION: SECTION 03 TOWNSHIP 19 RANGE 04 QUARTER 43 PARCEL "1" OF ROS 2007-04-30-5001.

WORK UNDER THIS PERMIT: CONSTRUCT NEW 240 SF 2-HOUR RATED BATTERY ROOM AND INSTALL NEW UPS MODULES AND ASSOCIATED ELECTRICAL EQUIPMENT IN EXISTING 1,513 SF ELECTRICAL ROOM.

CODE INFORMATION

GENERAL NOTES

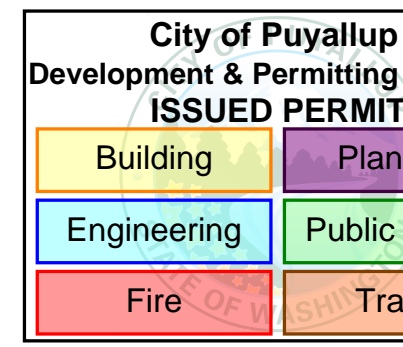
APPLICABLE CODES: WASHINGTON BUILDING CODE, 2021 EDITION. WASHINGTON FIRE CODE, 2021 EDITION. WASHINGTON MECHANICAL CODE, 2021 EDITION.

GENERAL NOTES: 1. DO NOT SCALE THE DRAWINGS. 2. THE DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. 3. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS PRIOR TO COMMENCING ANY WORK.

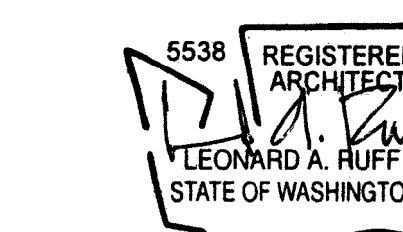
Table with columns for ARCHITECTURAL, STRUCTURAL, and MECHANICAL sheet indices and descriptions.

PRCT120240784

OWNER: BENAROYA CAPITAL, LLC. Centeris Data Centers 9675 SE 36th St, Suite 115 Mercer Island, WA 98040 +1.253.200.4120

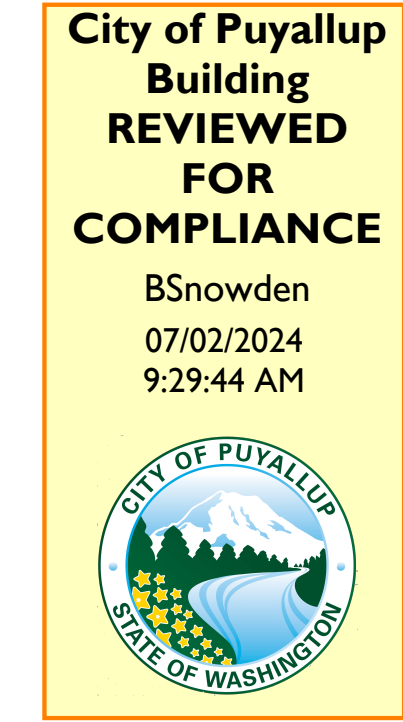


CONSULTANT: CASCADE MISSION CRITICAL, LLC. Data Center Consulting and Design 6210 36th Avenue N.E. Seattle, WA 98115 P: 206-294-1288 www.cascademissioncritical.com



CASCADE MISSION CRITICAL, LLC. Data Center Consulting and Design 6210 36th Avenue N.E. Seattle, WA 98115 P: 206-294-1288 www.cascademissioncritical.com

CENTERIS VOLTAGE PARK 1023 39th Avenue South East Puyallup, WA 98374-2121 SCALE: MATRIX UPS & BATTERY ROOMS



Approval of submitted plans is not an approval of omissions or oversights by this office or non-compliance with all applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.

Table with columns: ISSUED/REVISED, DATE. Rows: PERMIT SUBMITTAL 5/10/24, PERMIT REVISIONS 6/14/24.

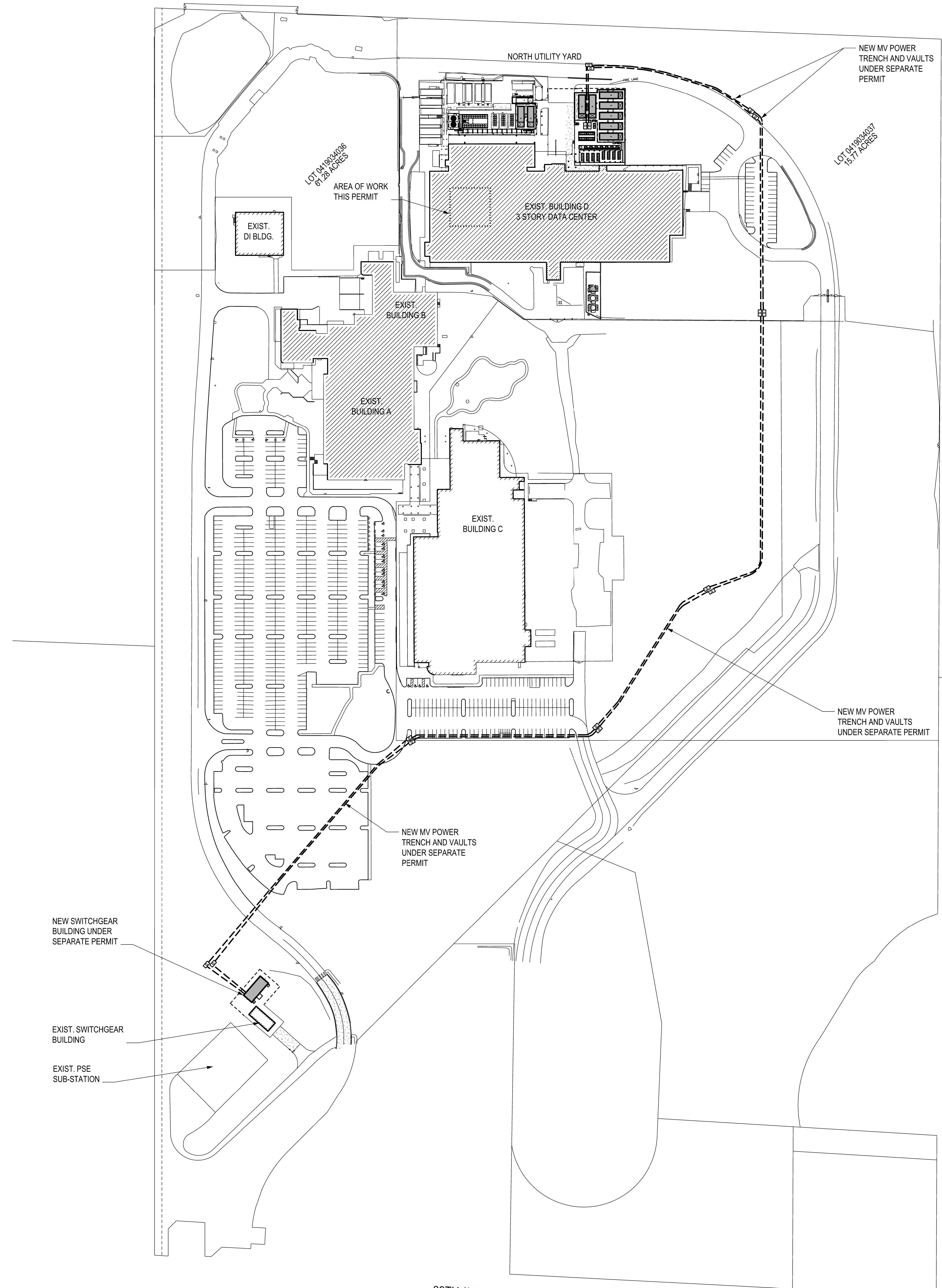
PERMIT SUBMITTAL MAY10, 2024 GENERAL NOTES

A-000-15

SITE INFORMATION

PARCEL NO. 0419034037
 ADDRESS: 1023 39TH AVENUE S.E.
 PARCEL AREA: 15.77 ACRES

LEGAL DESCRIPTION
 Section 03 Township 19 Range 04 Quarter 42 LOT 2 OF BLR 2022-03-22-5003 A POR OF BLR 2019-05-22-5002 LY IN CY OF PUYALLUP
 MORE PARTICULARLY DESC AS FOLL COM AT STONE MON MARKING S 1/4 COR OF SEC 3 SD STONE MON LIES N 86 DEG 31 MIN 42
 SEC E 2621.06 FT FROM SE COR OF SD SEC 3 TH N 00 DEG 00 MIN 24 SEC E 2599.51 FT TH S 87 DEG 44 MIN 17 SEC E 496.53 FT TO
 POB TH S 00 DEG 04 MIN W 132.96 FT TH S 16 DEG 29 MIN 57 SEC E 15.96 FT TH S 00 DEG 00 MIN 36 SEC E 335.82 FT TH S 52 DEG 49 MIN
 01 SEC E 132.81 FT TH S 89 DEG 15 MIN 41 SEC E 28.82 FT TH S 82 DEG 14 MIN 13 SEC E 58.63 FT TH S 53 DEG 48 MIN 38 SEC E 78.9 FT TH
 S 89 DEG 41 MIN 48 SEC E 655.79 FT TH S 83 DEG 08 MIN 36 SEC E 199.54 FT TH N 00 DEG 13 MIN 45 SEC E 602.4 FT TH N 87 DEG 44 MIN 17
 SEC W 1118.01 FT TO POB EASE OF REC. OUT OF 04-19-03-4-031 & 4-034 SEG 2019-0472 05/30/19 JP 20190652DC 03/31/22 JP



N
 A6 OVERALL SITE PLAN
 SCALE: 1" = 100'

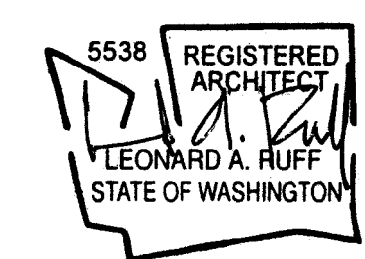
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Engineering	Public Works
Fire	Traffic

CONSULTANT:



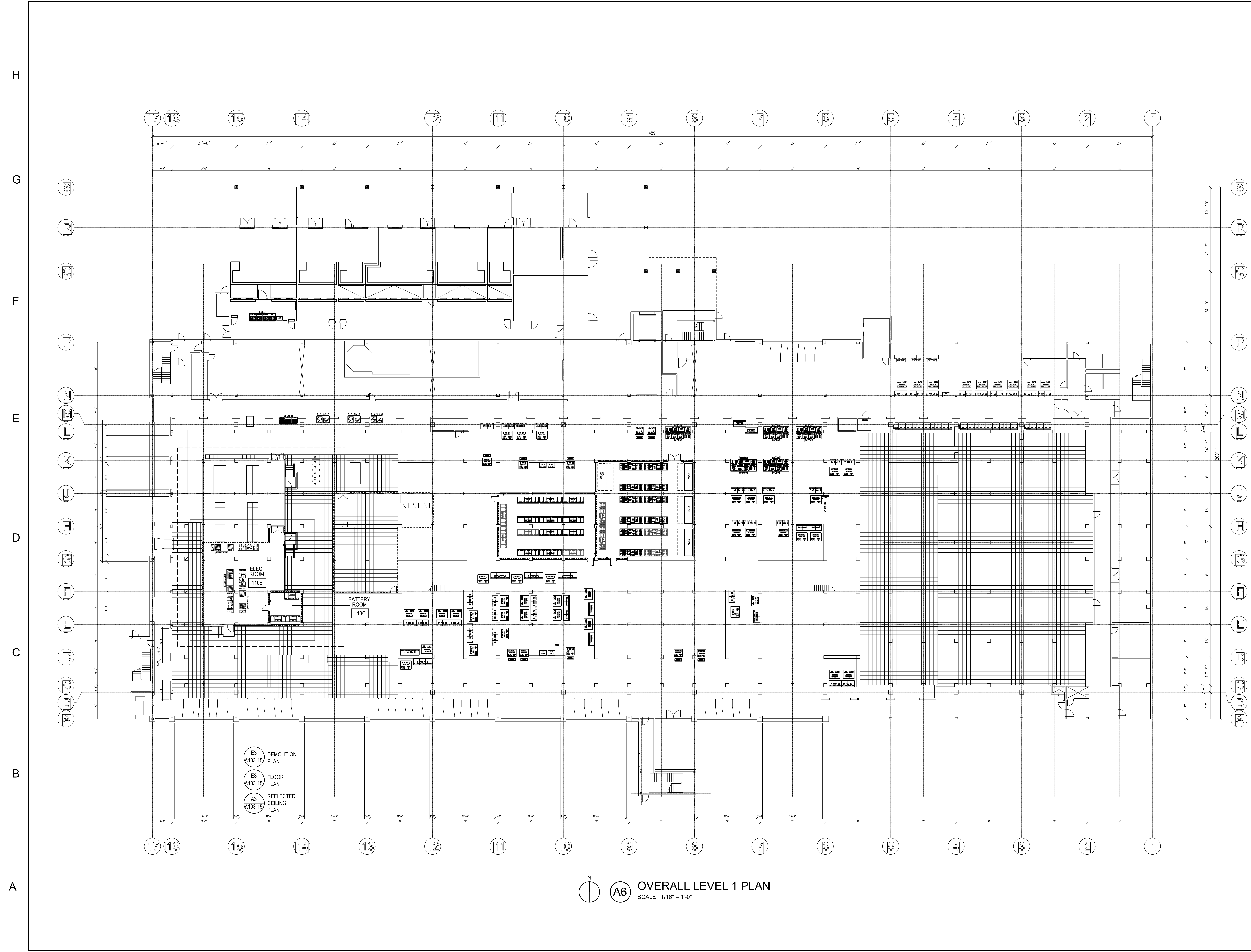
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CENTERIS VOLTAGE PARK
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 UPS & BATTERY ROOMS

ISSUED/REVISED	DATE
PERMIT SUBMITTAL	5/10/24
PERMIT REVISIONS	6/14/24

PERMIT SUBMITTAL
 MAY 10, 2024
 OVERALL SITE PLAN

A-101-15



N
A6 OVERALL LEVEL 1 PLAN
 SCALE: 1/16" = 1'-0"

- E3 DEMOLITION PLAN
- E8 FLOOR PLAN
- A3 REFLECTED CEILING PLAN

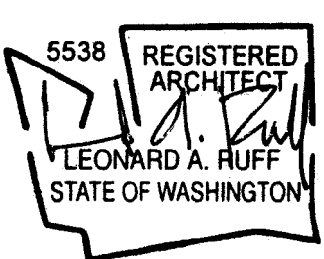
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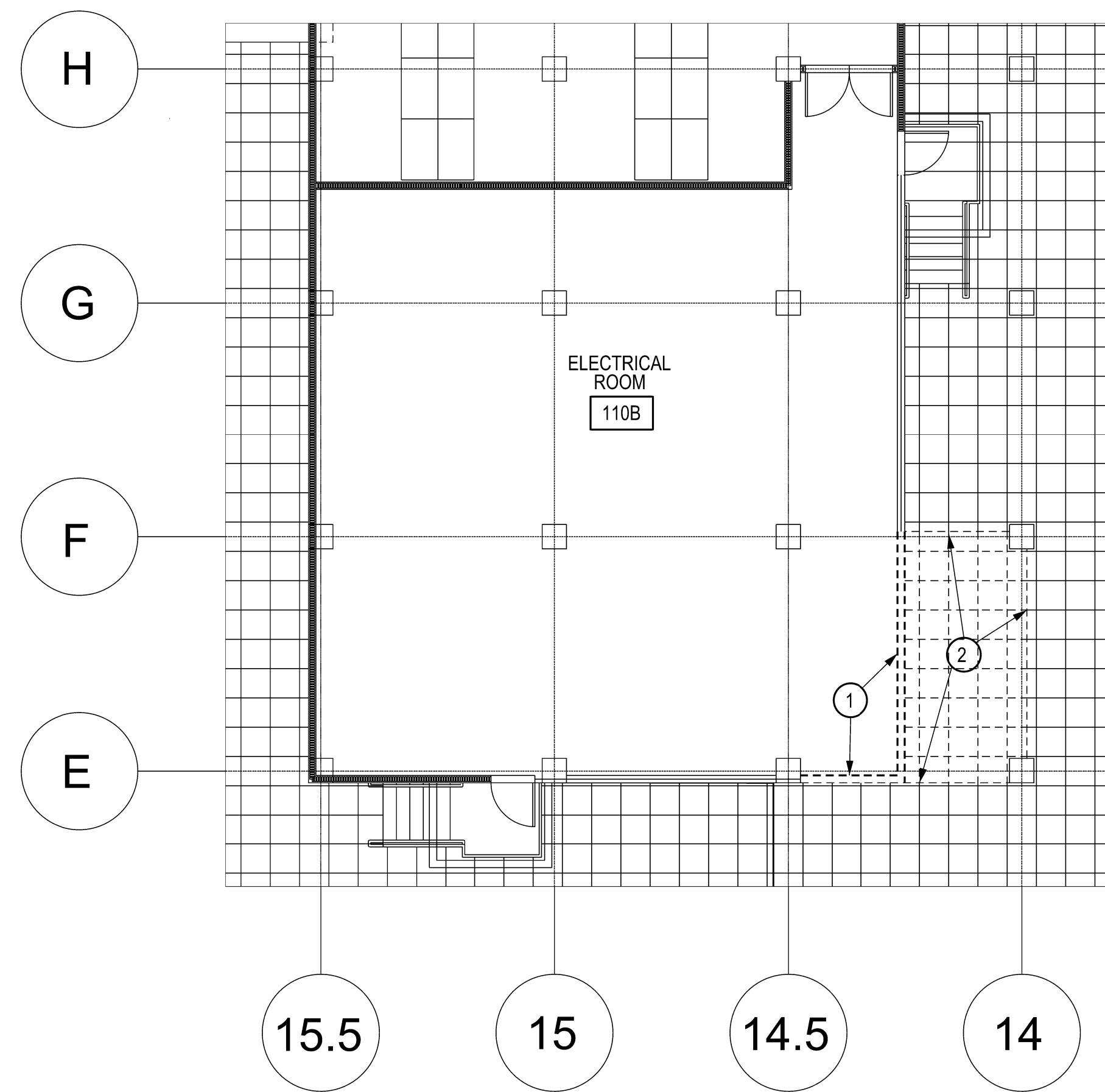
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CENTERIS VOLTAGE PARK
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 SCALE MATRIX
 UPS & BATTERY ROOMS

ISSUED/REVISED	DATE
PERMIT SUBMITTAL	5/10/24
PERMIT REVISIONS	6/14/24

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 OVERALL LEVEL 1
 FLOOR PLAN

A102-15



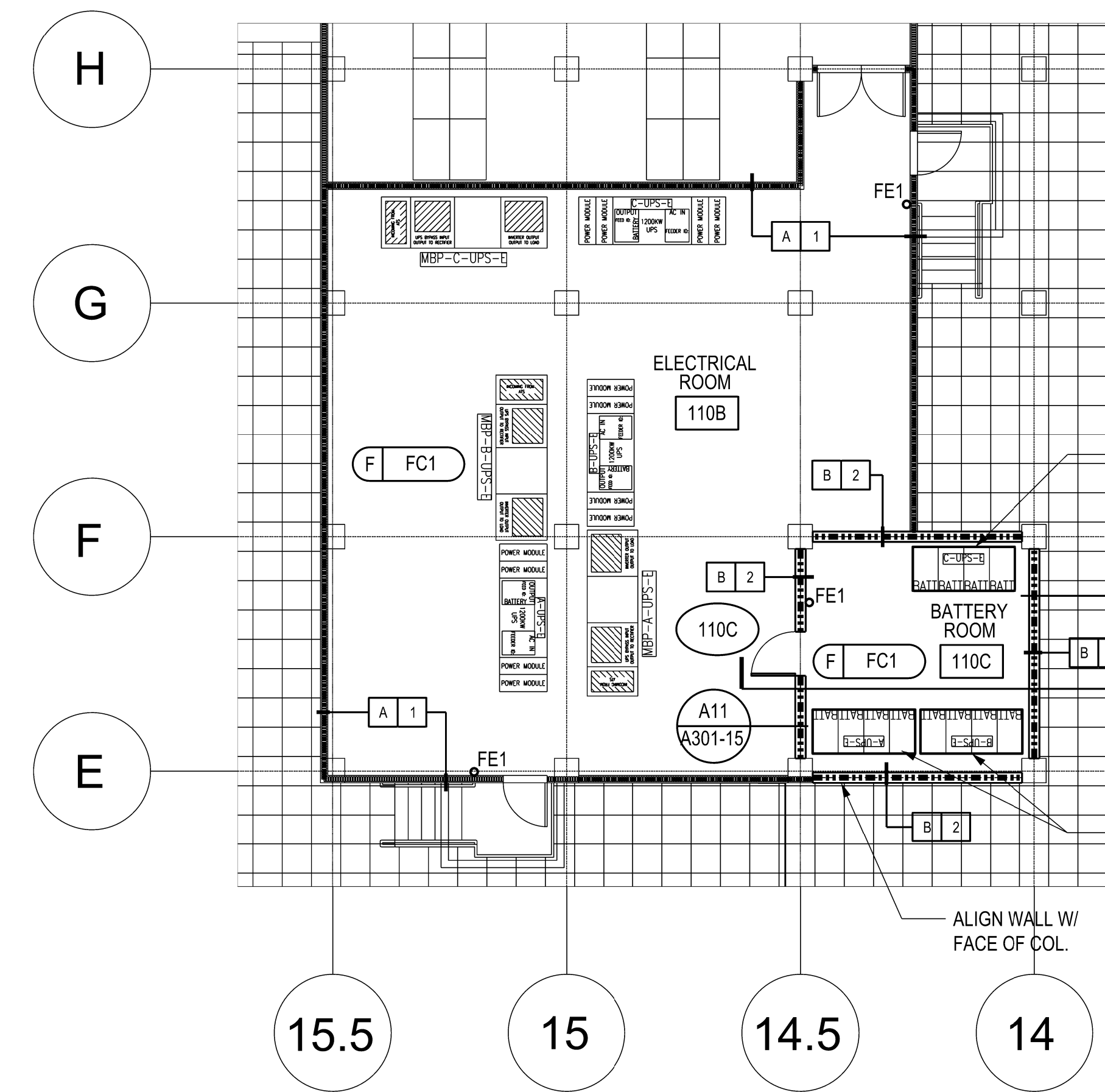
DEMOLITION LEGEND

- ① REMOVE EXIST. WALL & FRAMING
- ② REMOVE EXIST. RAISED FLOOR PANELS, PEDESTALS, & STRINGERS - CUT PANELS TO REMAIN AS REQUIRED FOR NEW WALL

DEMOLITION NOTES

- 1. REMOVE FLOOR TILES FROM AREA FOR CUTTING. DO NOT CUT FLOOR TILES IN EQUIPMENT AREA.
- 2. REMOVE ANY RAISED FLOOR PEDESTAL ANCHOR BOLTS BY CUTTING FLUSH WITH FLOOR. PROVIDE SCREENING TO PREVENT DISTRIBUTION OF CUT METAL PARTICLES IN THE EQUIPMENT SPACES.

E3 ENLARGED DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



BATTERY SUMMARY FOR BATTERY ROOM 110C

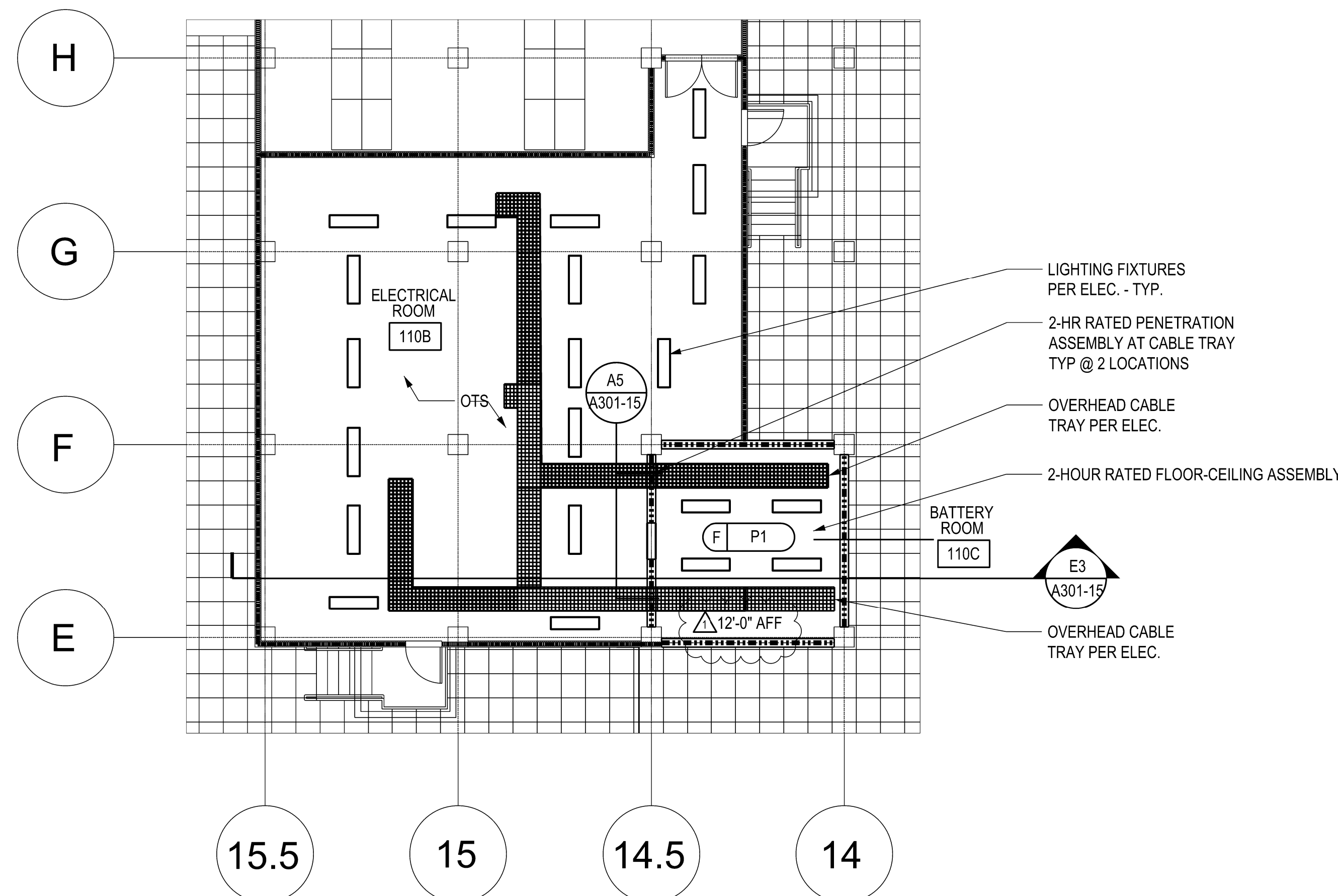
PROPOSED BATTERY TYPE: NICKEL - ZINC
 BATTERY CAPACITY: 38 KWH PER BATTERY CABINET
 BATTERY STRING A-UPS-E: 4 BATTERY CABINETS, 152 KWH
 BATTERY STRING B-UPS-E: 4 BATTERY CABINETS, 152 KWH
 BATTERY STRING C-UPS-E: 4 BATTERY CABINETS, 152 KWH
TOTAL BATTERY CAPACITY IN ROOM: 456 KWH

WASHINGTON FIRE CODE COMPLIANCE
 MAXIMUM BATTERY CAPACITY PER CONTROL AREA: UNLIMITED FOR NICKEL ZINC BATTERIES PER WAC 51-54A-1207
 SEPARATION BETWEEN BATTERIES: 0'-0" PER APPROVED HAZARD MITIGATION ANALYSIS
 MAXIMUM CAPACITY PER BATTERY STRING: 152 KWH PER APPROVED HAZARD MITIGATION ANALYSIS
 REQUIRED BATTERY ROOM SEPARATION: 2 HOURS

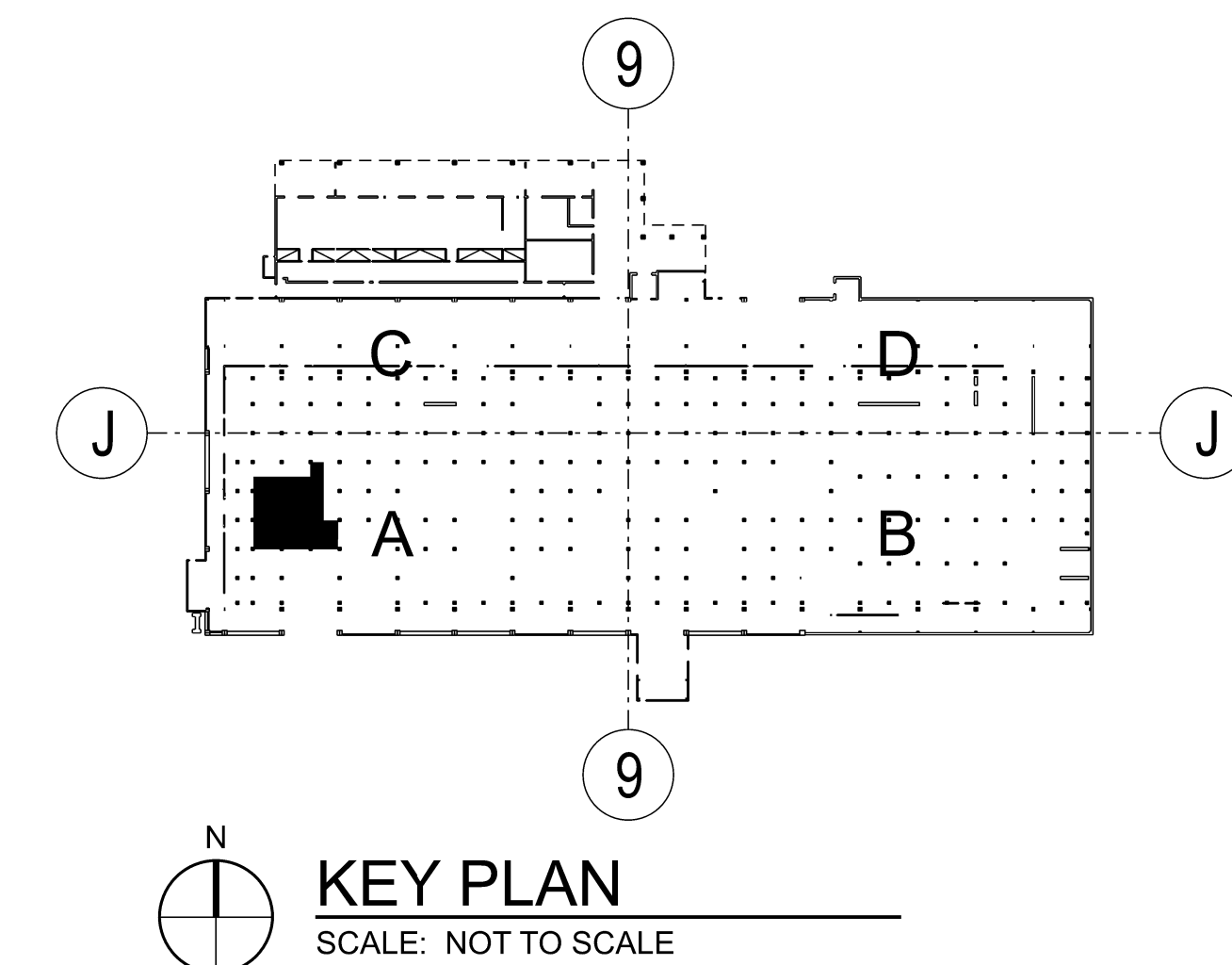
FLOOR PLAN NOTES

- 1. PATCH ANY HOLES IN SLAB FROM DEMOLITION ACTIVITIES. TROWEL PATCHES SMOOTH AND SEAL.
- 2. REFER TO SHEET A-601-15 FOR WALL CONSTRUCTION SCHEDULE & DETAILED GYPSUM ASSOCIATION FIRE ASSEMBLY INFORMATION.

E8 ENLARGED FLOOR PLAN
SCALE: 1/8" = 1'-0"



A3 ENLARGED REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



KEY PLAN
SCALE: NOT TO SCALE

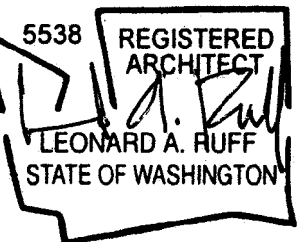
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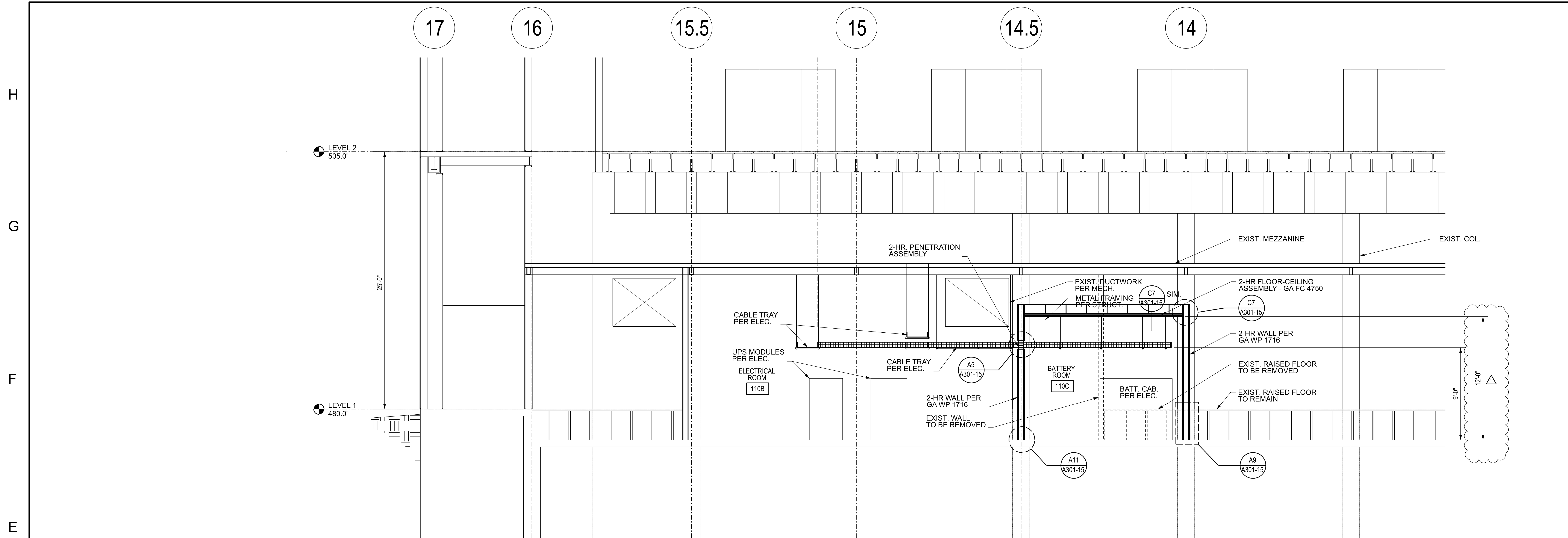
CENTERIS VOLTAGE PARK
 1023 39th Avenue South East
 Puyallup, WA 98374-2121
 SCALE MATRIX
 UPS & BATTERY ROOMS

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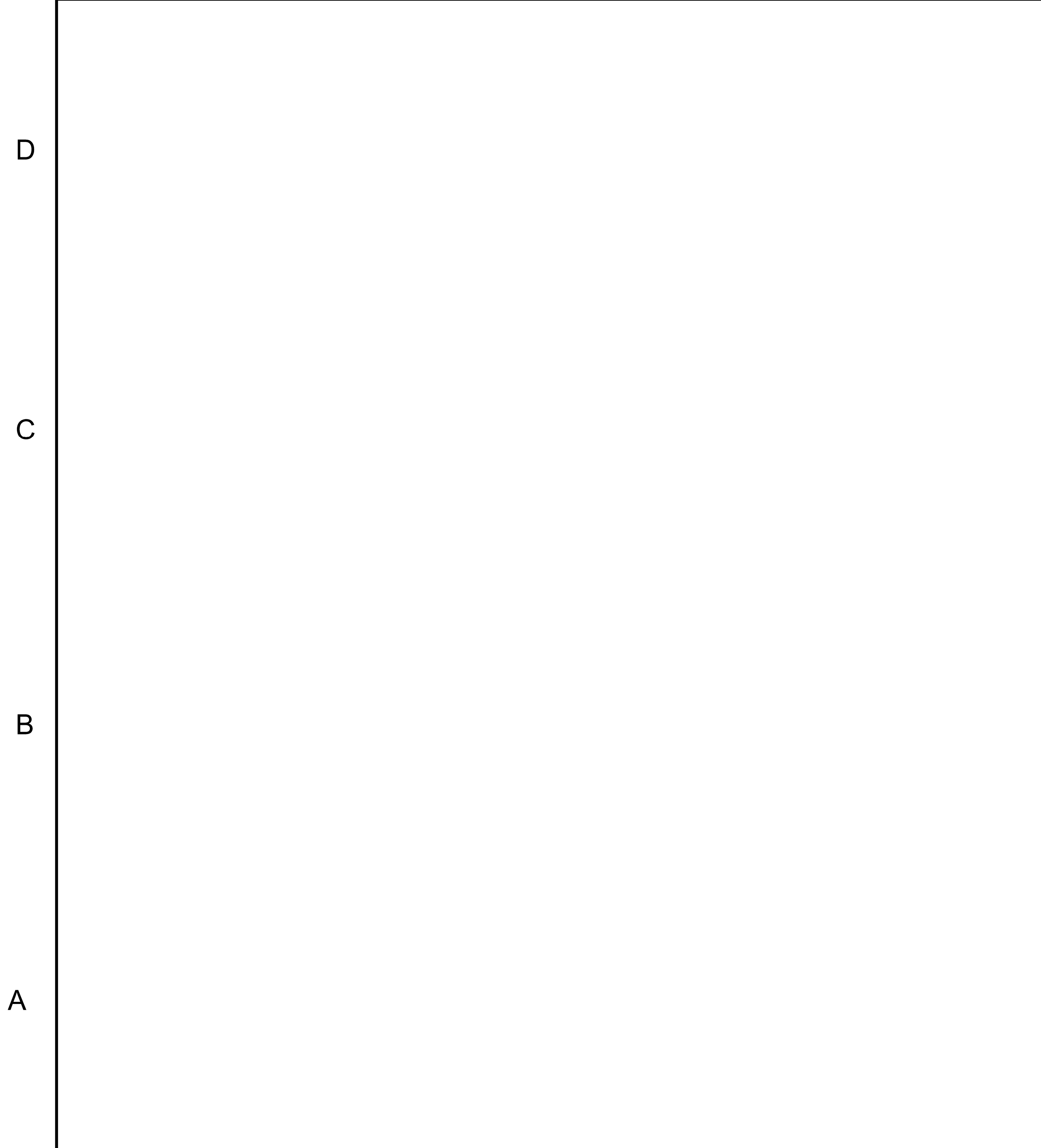
LEVEL 1
 DEMOLITION PLAN
 ENLARGED FLOOR PLAN
 REFLECTED CEILING PLAN

A-103-15

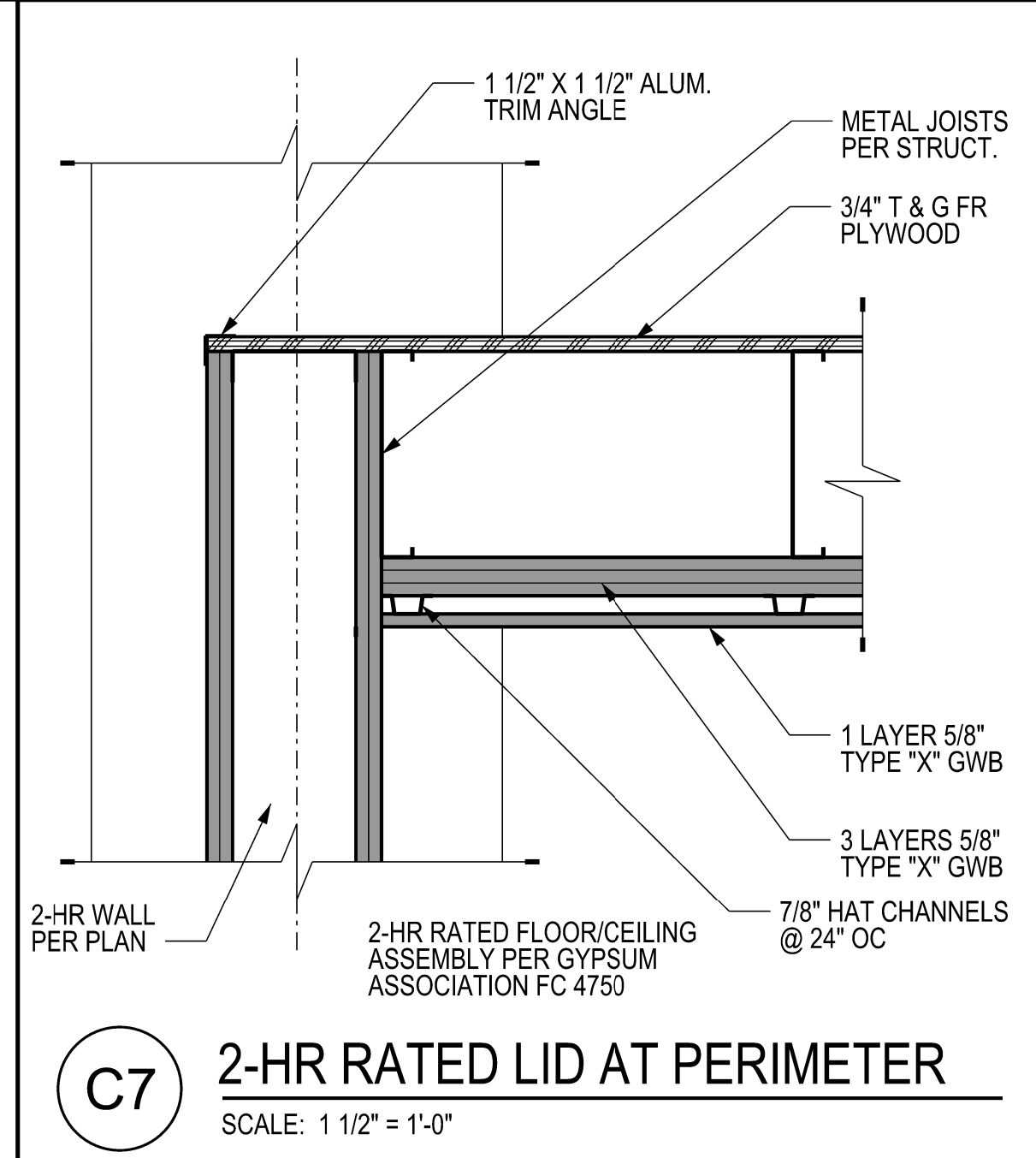


E3 UPS & BATTERY ROOM SECTION
SCALE: 1/4" = 1'-0"

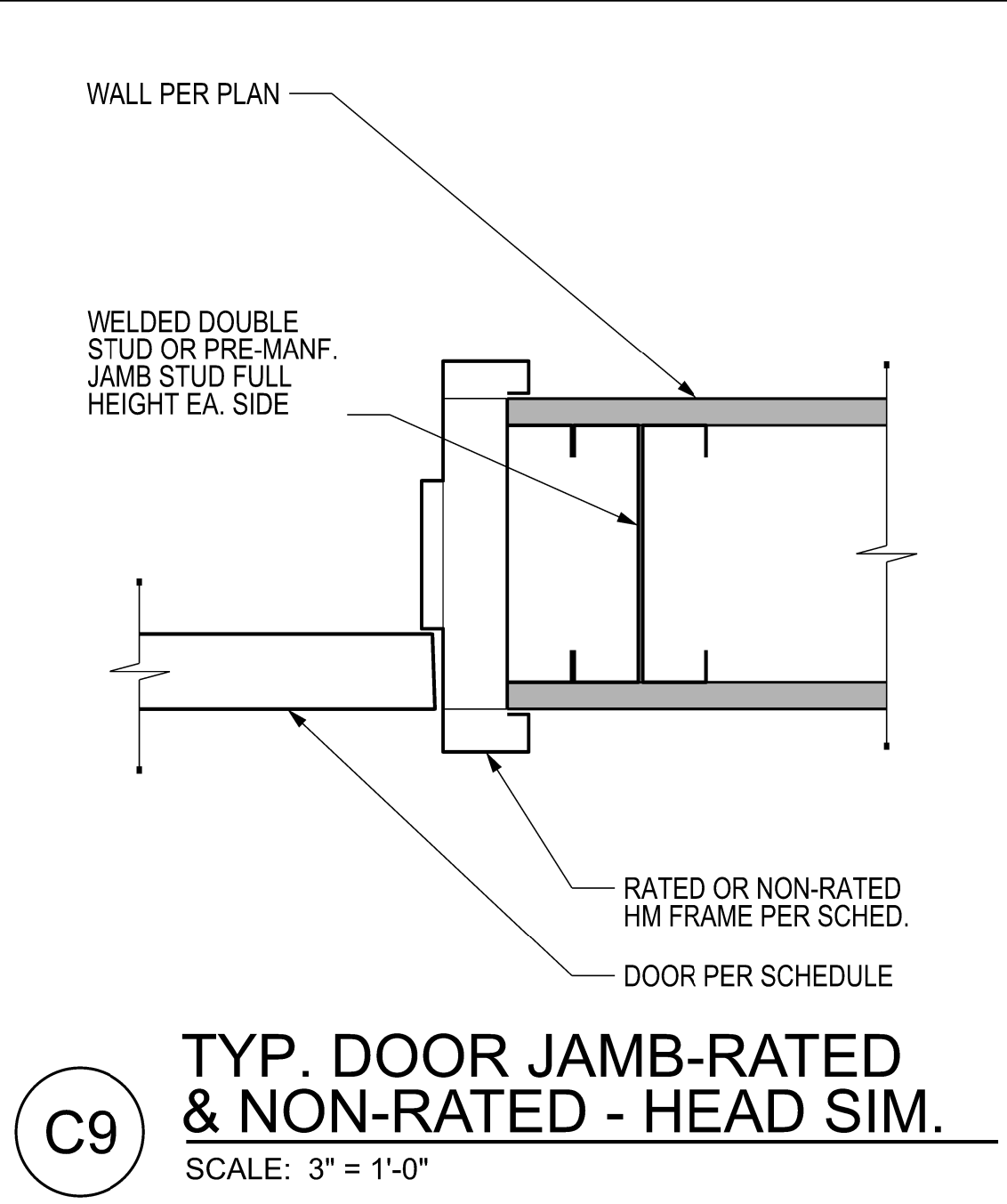
REFER TO SHEET A601-15 FOR FIRE RATED ASSEMBLY DETAILED DESCRIPTIONS PER GYPSUM ASSOCIATION



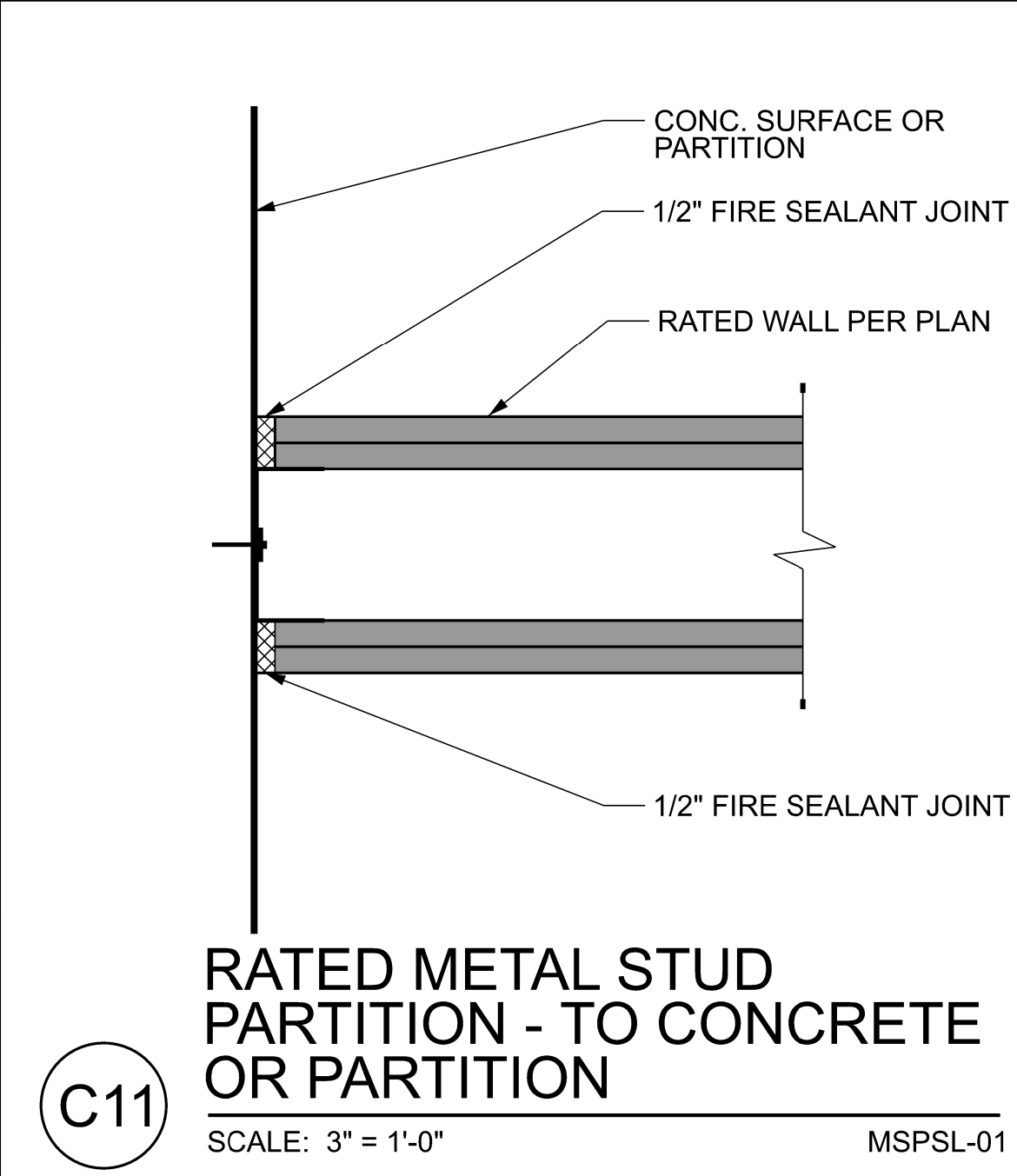
A5 FIRE STOP AT CABLETRAY 2-HOUR RATED
SCALE: 3/4" = 1'-0"



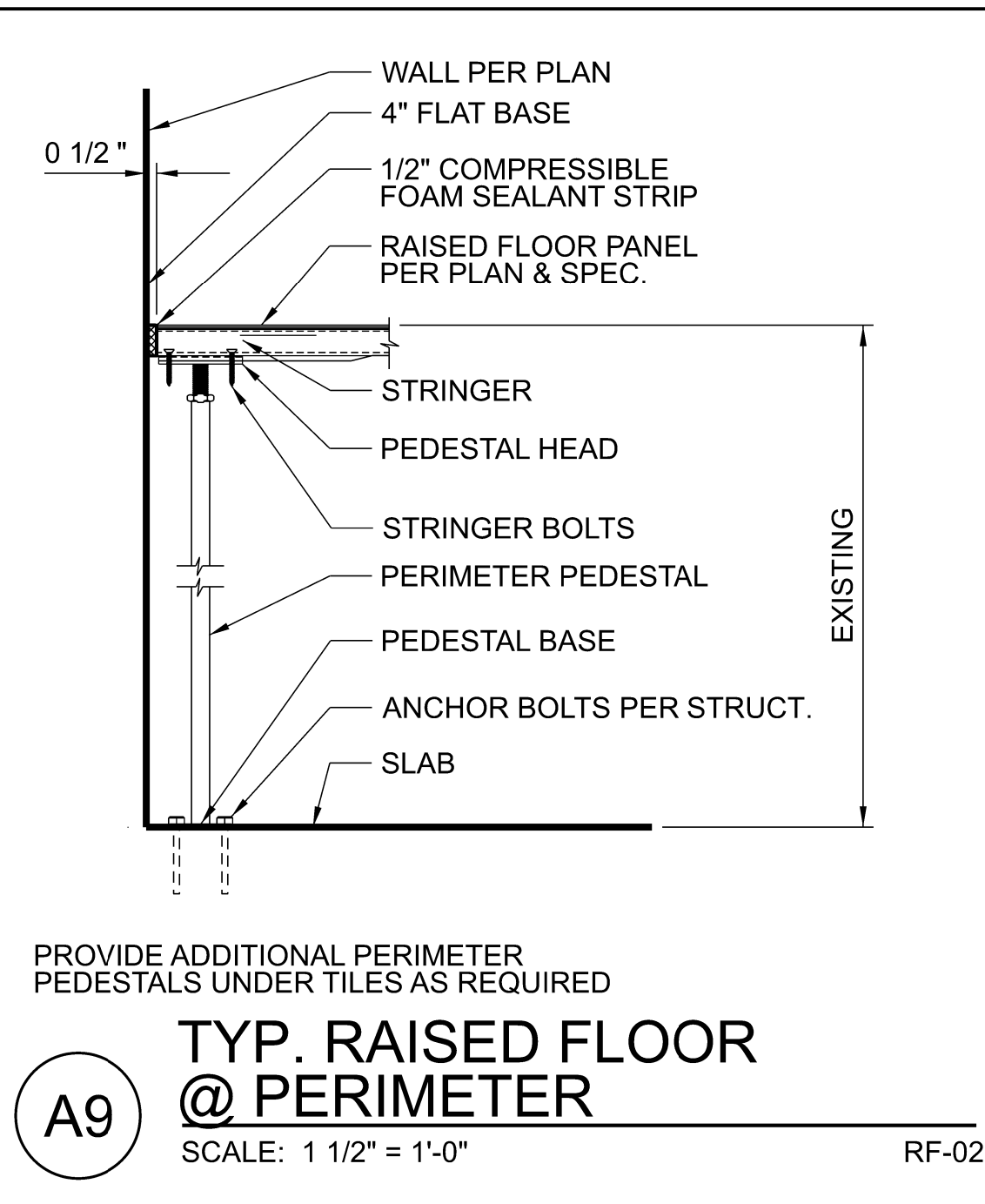
C7 2-HR RATED LID AT PERIMETER
SCALE: 1 1/2" = 1'-0"



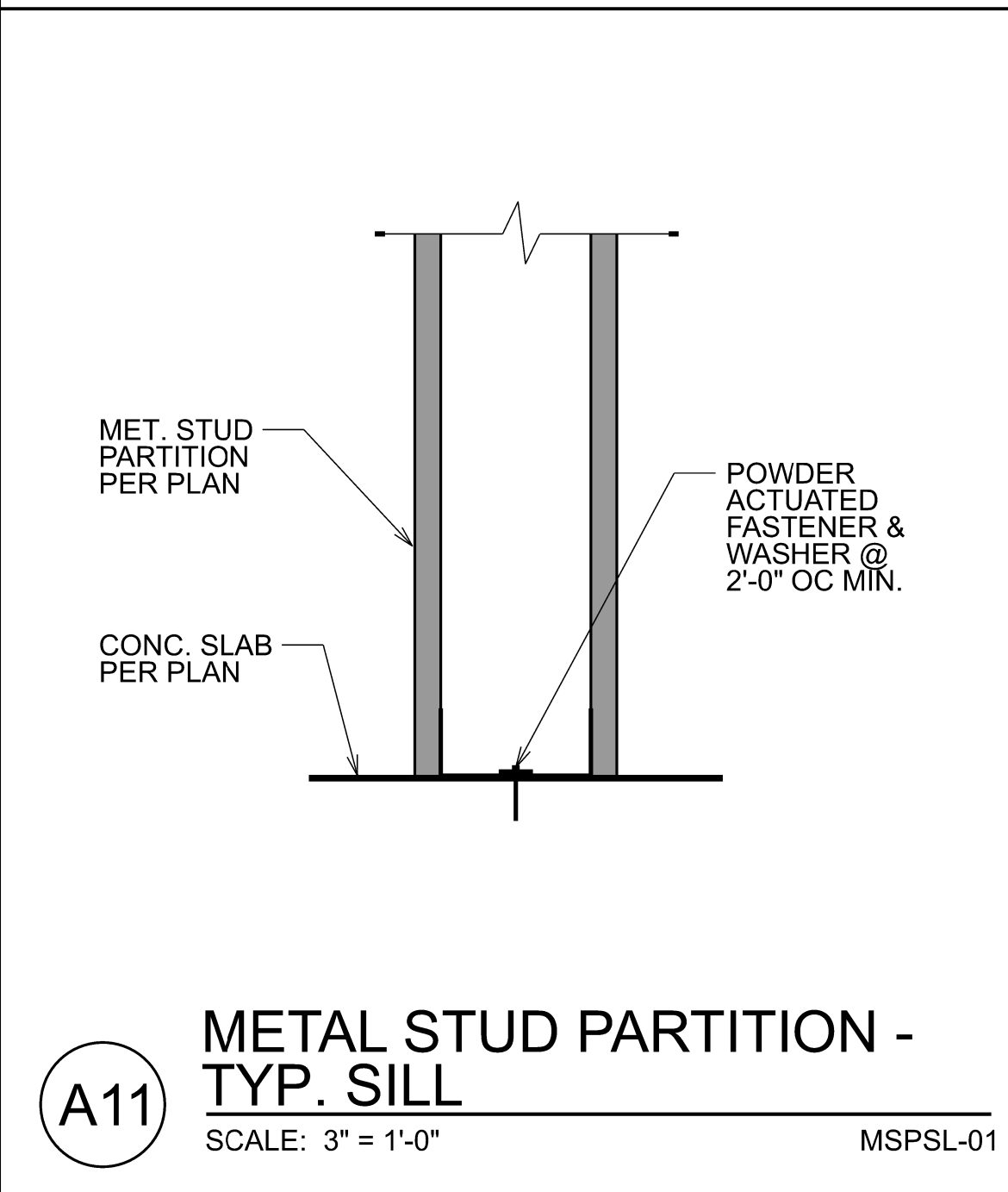
C9 TYP. DOOR JAMB-RATED & NON-RATED - HEAD SIM.
SCALE: 3" = 1'-0"



C11 RATED METAL STUD PARTITION - TO CONCRETE OR PARTITION
SCALE: 3" = 1'-0" MSPSL-01



A9 TYP. RAISED FLOOR @ PERIMETER
SCALE: 1 1/2" = 1'-0" RF-02



A11 METAL STUD PARTITION - TYP. SILL
SCALE: 3" = 1'-0" MSPSL-01

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CONSULTANT:
5538 REGISTERED ARCHITECT
LEONARD A. HUFF
STATE OF WASHINGTON

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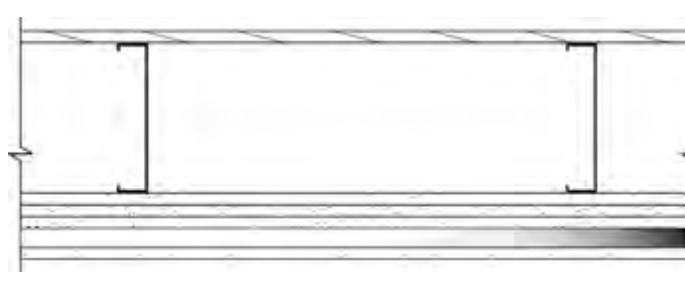
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PERMIT SUBMITTAL
MAY 10, 2024

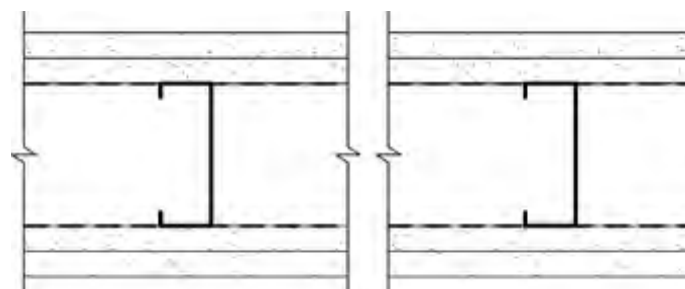
LEVEL 1
UPS & BATTERY ROOM
SECTION
DETAILS

A-301-15

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GA FILE NO. FC 4750	GENERIC	2 HOUR FIRE
<p align="center">WOOD FLOOR, STEEL CHANNEL JOISTS, GYPSUM WALLBOARD, RIGID FURRING CHANNELS</p> <p>Base layer 5/8" type X gypsum wallboard applied at right angles to channel shaped, minimum 8" deep, 18 ga galvanized steel joists 24" o.c. with 1 1/8" Type S-12 drywall screws 12" o.c. Second layer 5/8" type X gypsum wallboard applied at right angles to joists with 1 5/8" Type S-12 drywall screws 12" o.c. Second layer joints offset 24" from base layer joints. Third layer 5/8" type X gypsum wallboard applied at right angles to joists with 2 3/8" Type S-12 drywall screws 12" o.c. Third layer joints offset 12" from second layer joints. Hat-shaped rigid furring channels 24" o.c. applied at right angles to joists over third layer with two 2 3/8" long Type S-12 drywall screws at each joist. Face layer 5/8" type X gypsum wallboard applied at right angles to furring channels with 1 1/8" Type S drywall screws 12" o.c. Joists supporting 3/4" T & G edge plywood floor applied at right angles to joists with #10x1 5/8" screws 12". Ceiling provides two hour fire resistance protection for framing.</p>		
		<p>Approx. Ceiling Weight: 12 psf Fire Test: UL R4024, 02NK04478, 2-20-03, UL Design L556; ULC Design M514</p>

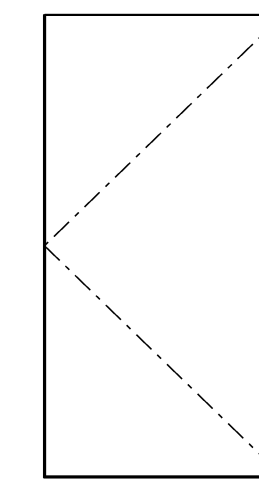
G3 2-HOUR FIRE RATED FLOOR-CEILING ASSEMBLY
GYPSUM ASSOCIATION ASSEMBLY NO. FC 4750
SCALE: NO SCALE

GA FILE NO. WP 1716	GENERIC	2 HOUR FIRE	40 to 44 STC SOUND
<p align="center">GYPSUM WALLBOARD, STEEL STUDS</p> <p>Base layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel to each side of 3 1/2" 20 ga steel studs 24" o.c. with 1" Type S-12 drywall screws 12" o.c. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel to each side with 1 5/8" Type S-12 drywall screws 12" o.c. Studs attached to each side of floor and ceiling runners by welding or with 1/2" Type S-12 panhead screws.</p> <p>Joints staggered 24" each layer and side.</p> <p>Bracing: Lateral bracing spaced not over 40" o.c. shall be 1" by 18 ga steel straps attached to each side of channel bracing attached to each stud with a clip angle. For studs with holes or punch-outs in the web the "Q" factor shall be determined by means of stub column tests. Tested at 80 percent of design load. (LIMITED LOAD-BEARING)</p>			
		<p>Thickness: 6" Approx. Weight: 10 psf Fire Test: UL NC 505-6, 7-29-82, UL Design U425 Sound Test: See WP 1615 (NGC 2250, 1-3-68)</p>	

E3 2-HOUR FIRE RATED PARTITION ASSEMBLY
GYPSUM ASSOCIATION NO. WP 1716
SCALE: NO SCALE

OPENING SCHEDULE													
NO.	TYPE	CONFIG.	WIDTH	HEIGHT	MAT.	F.R.	FRAME MAT.	FRAME F.R.	HW.	SILL	JAMB	HEAD	COMMENTS
110C	A	SGL	3'-0"	7'-0"	HM	90 MIN.	HM-PTD.	90 MIN.	1	---	C9/A601-08	C9/A601-08	

DOOR TYPES



PARTITION SCHEDULE							
MARK	FRAMING	WALL SHEATHING	GA FILE NO. OR UL NO.	F.R.	SILL	HEAD	COMMENTS
A1	EXISTING	EXISTING		1-HR.	-----	-----	
B2	6" METAL STUDS @ 24" OC - GAUGE PER STRUCT.	2 LAYER 5/8" GWB EA. SIDE	GA WP 1716	2-HR.	A11/A301-15	C7/A301-15	REFER TO DTL C11/A301-15 FOR RATED WALL TO ADJACENT CONSTRUCTION CONDITION.

ROOM FINISH SCHEDULE						
ROOM NO.	ROOM NAME	FLOOR	BASE	WALL	CEILING	COMMENTS
110B	ELECTRICAL ROOM	FC1	RB1	P1	P1	APPLY WALL PAINT TO WALLS AND CEILINGS AS REQUIRED TO TOUCH UP SURFACES. INSTALL RB1 AS REQUIRED TO REPLACE BASE REMOVED FOR CONSTRUCTION.
110C	BATTERY ROOM	FC1	RB1 & RB2	P1	ACT1	APPLY WALL PAINT TO INTERIOR OF ROOM AND EXTERIOR OF ROOM. APPLY RB1 TO INTERIOR OF ROOM AND RB2 AT EXTERIOR OF ROOM AT RAISED FLOOR.

FINISH MATERIALS SCHEDULE						
NO.	TYPE	MFG.	DESCRIPTION	COLOR NUMBER	COLOR NAME	COMMENTS
FC1	FLOOR COATING	SHERWIN WILLIAMS	ARMORSEAL 1000 HS		DECK GRAY	OR EQUAL
P1	PAINT	BENJAMIN MOORE	ECO SPEC WB INTERIOR LATEX EGGSHELL N374	2121-70	CHANTILLY LACE	APPLY ON WALLS & GWB CEILINGS
P2	PAINT	BENJAMIN MOORE	ECO SPEC WB INTERIOR LATEX SEMI-GLOSS N376	2121-70	CHANTILLY LACE	APPLY ON HM DOORS & FRAMES
P3	PAINT		ECO SPEC WB INTERIOR LATEX EGGSHELL N374	TO MATCH EXIST.	TO MATCH EXIST.	TOUCH UP AS REQUIRED ON EXISTING SURFACES.
RB1	RESILIENT BASE	ROPPE	4" COVED BASE	193	BLACK BROWN	INSTALL AT WALL TO CONCRETE SLAB JUNCTION
RB2	RESILIENT BASE	ROPPE	4" FLAT BASE	193	BLACK BROWN	INSTALL AT WALL TO RAISED FLOOR JUNCTION

EQUIPMENT SCHEDULE				
NO.	MFG.	DESCRIPTION	FURNISHED BY	INSTALLED BY
FE1	KIDDE	CLEAN AGENT FIRE EXTINGUISHER SLB AGENT WEIGHT, 5-B-C RATING, WALL MOUNTED	GC	GC

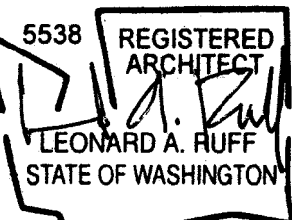
PRCT120240784

OWNER:
BENAROYA CAPITAL, LLC
Centeris Data Centers
9675 SE 36th St, Suite 115
Mercer Island, WA 98040
+1.253.200.4120

City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

CONSULTANT:



CASCADE MISSION CRITICAL, LLC
Data Center Consulting and Design
6210 36th Avenue N.E., Seattle, WA 98115
P: 206-294-1288 www.cascadecritical.com



CENTERIS VOLTAGE PARK
1023 39th Avenue South East
Puyallup, WA 98374-2121
SCALE MATRIX
UPS & BATTERY ROOMS

ISSUED/REVISED	DATE
PERMIT SUBMITTAL	5/10/24
PERMIT REVISIONS	6/14/24

PERMIT SUBMITTAL
MAY10, 2024

SCHEDULES

A-601-15