

DRAWING SYMBOLS

ABBREVIATIONS

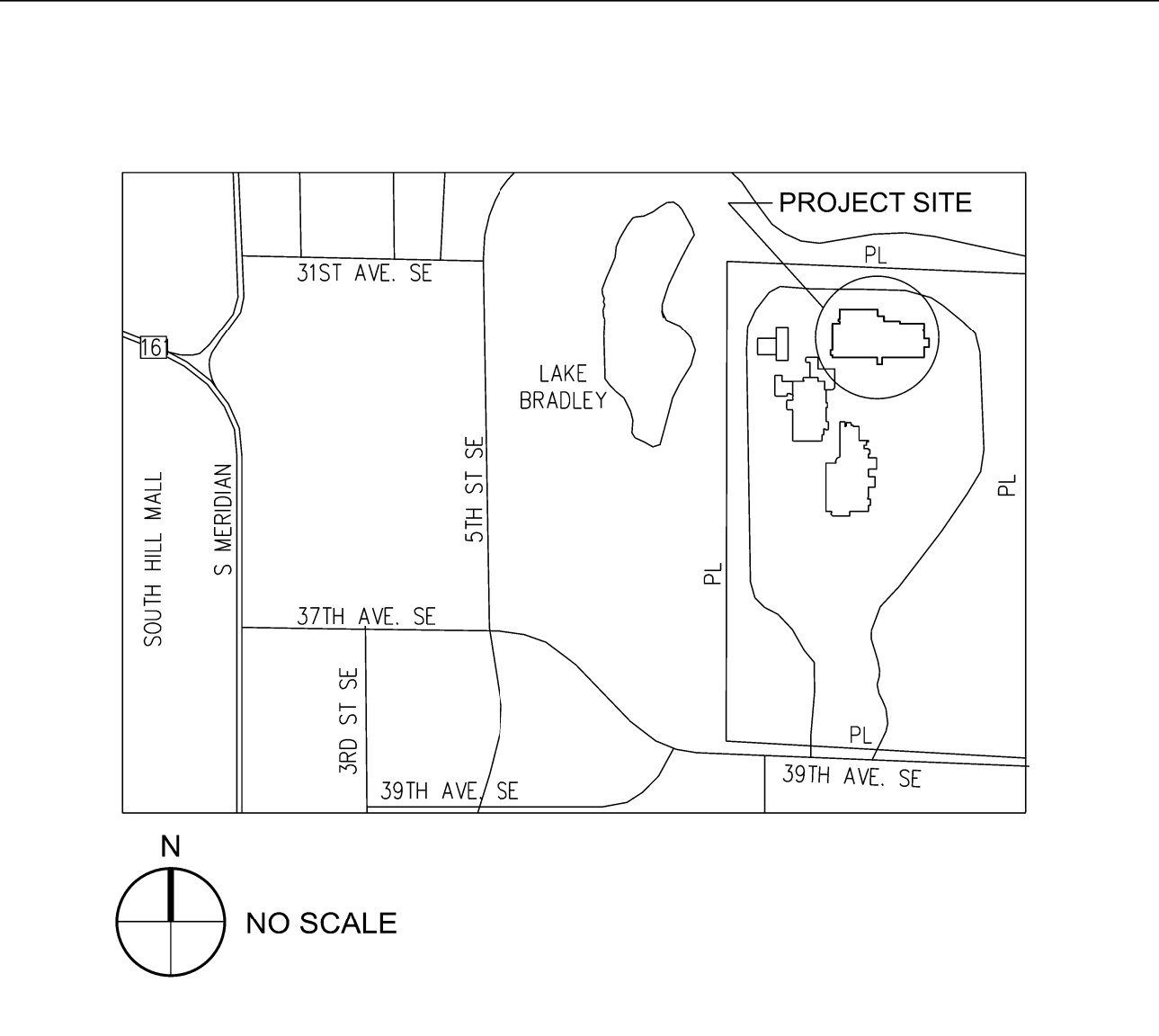
VICINITY MAP

PROJECT DIRECTORY

SHEET INDEX

Table of drawing symbols including North Indicator, Section Callout, Detail Callouts, Match Line, Key Note Callout, Existing/New Grids, Partition Type Callout, Elevation/Datum Callout, and Equipment Callout.

Table of abbreviations for materials, construction methods, and equipment, including terms like AMP, ANCHOR BOLT, AC, ACCESSIBLE, ACP, ACT, ADA, ADDENDUM, etc.



OWNER: BENAROYA CAPITAL, LLC
STRUCTURAL ENGINEER: BARIEN STRUCTURAL ENGINEERS
MECHANICAL ENGINEER: STANTEC
ARCHITECT: CASCADE MISSION CRITICAL, LLC

Table of sheet index listing architectural, structural, and mechanical sheets and their titles.

PLAN SYMBOLS

Table of plan symbols for fire extinguishers, exit signs, recessed lighting, and various door types.

Continuation of abbreviations table, including terms like BALANCE, BATTERY CABINET, BOARD, BARRIER FREE, etc.

PROJECT INFORMATION

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

SCOPE OF WORK

DATA CENTER BUILDING (PARCEL 0419034037)
INTERIOR TENANT IMPROVEMENTS
WORK UNDER THIS PERMIT: CONSTRUCT NEW INTERIOR DATA HALL OF 6,594 SF INCLUDING NEW STRUCTURAL RACK SUPPORT AND BRACING SYSTEMS.

SECURITY SYMBOLS

Table of security symbols including Security Camera, Card Reader, Door Contact, Duress Button, Intercom, and Motion Detector.

Continuation of abbreviations table, including terms like BARRIER FREE, BATTERY CABINET, BOARD, BARRIER FREE, etc.

CODE INFORMATION

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

GENERAL NOTES

- 1. DO NOT SCALE THE DRAWINGS.
2. THE DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. WHAT IS SHOWN ON ONE SHALL BE CONSTRUED TO BE REQUIRED BY BOTH.
3. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS PRIOR TO COMMENCING ANY WORK.

City of Puyallup Building Reviewed for Compliance logo and text regarding approval of submitted plans and required fire resistance.

Owner: BENAROYA CAPITAL, LLC
Consultant: CASCADE MISSION CRITICAL, LLC
Project: CENTERIS VOLTAGE PARK
Permit: 12/27/24

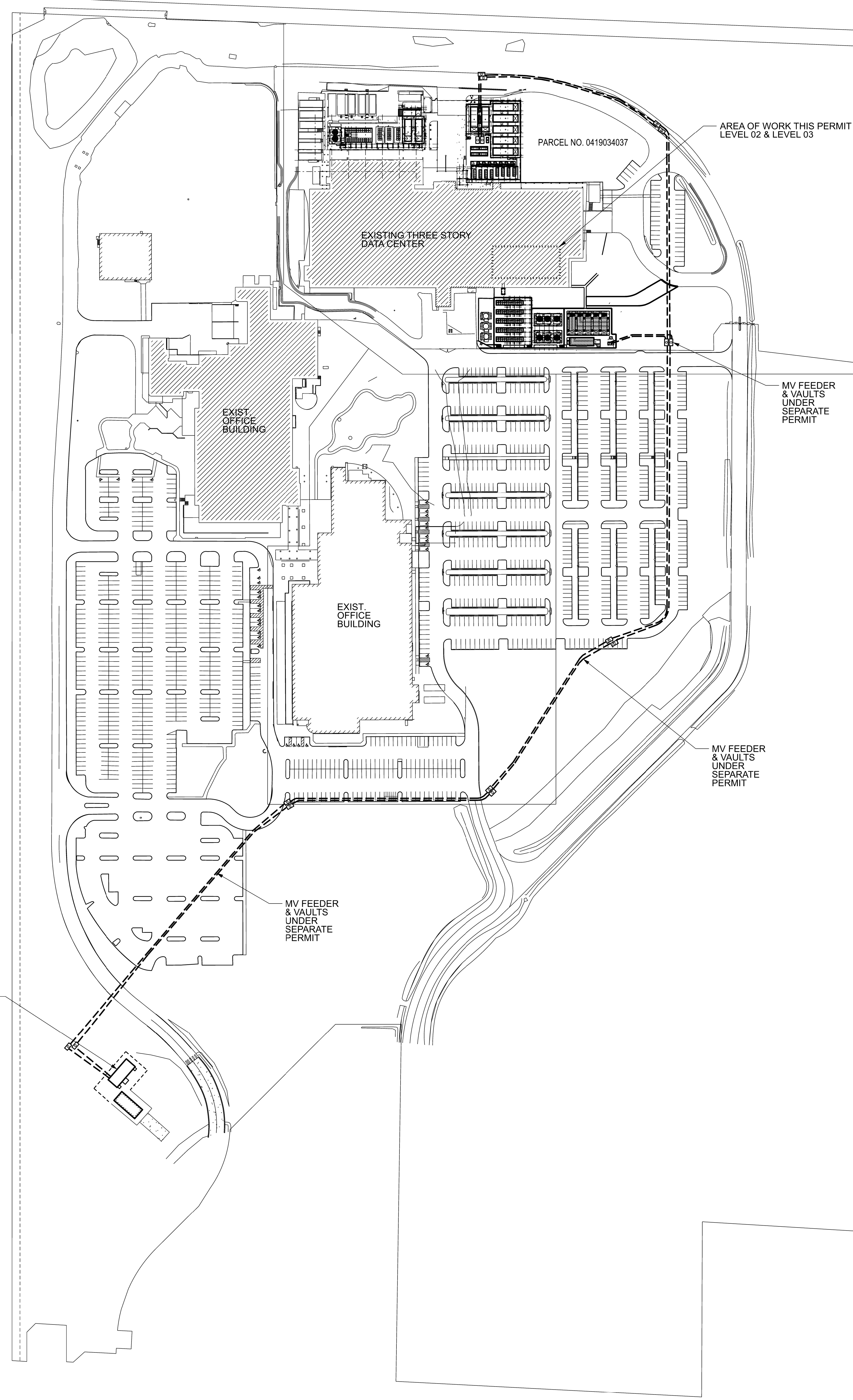
SITE INFORMATION

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 38 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

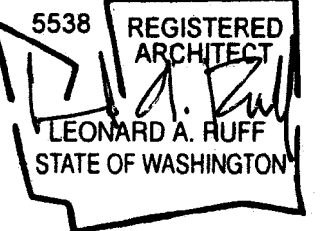
OVERALL SCOPE OF WORK

DATA CENTER BUILDING (PARCEL 0419034037)
INTERIOR TENANT IMPROVEMENTS
WORK UNDER THIS PERMIT
 CONSTRUCT NEW INTERIOR DATA HALL OF 6,594 SF INCLUDING NEW STRUCTURAL RACK SUPPORT AND BRACING SYSTEMS.
 INSTALL NEW AIR HANDLING UNIT AND NEW CHILLED WATER DISTRIBUTION PIPING.
WORK UNDER SEPARATE PERMITS
 ELECTRICAL AND TELECOMMUNICATIONS WORK
 FIRE SPRINKLER MODIFICATIONS



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.cascade-missioncritical.com
PRCTI20242004

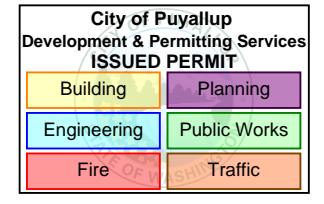
CENTERIS VOLTAGE PARK
 1023 39th Avenue South East
 Puyallup, WA 98374-2121
 WB05-LEVEL 02
 VOLTAGE PARK DATA HALL

ISSUED/REVISED DATE
 PERMIT SUBMITTAL 12/27/24

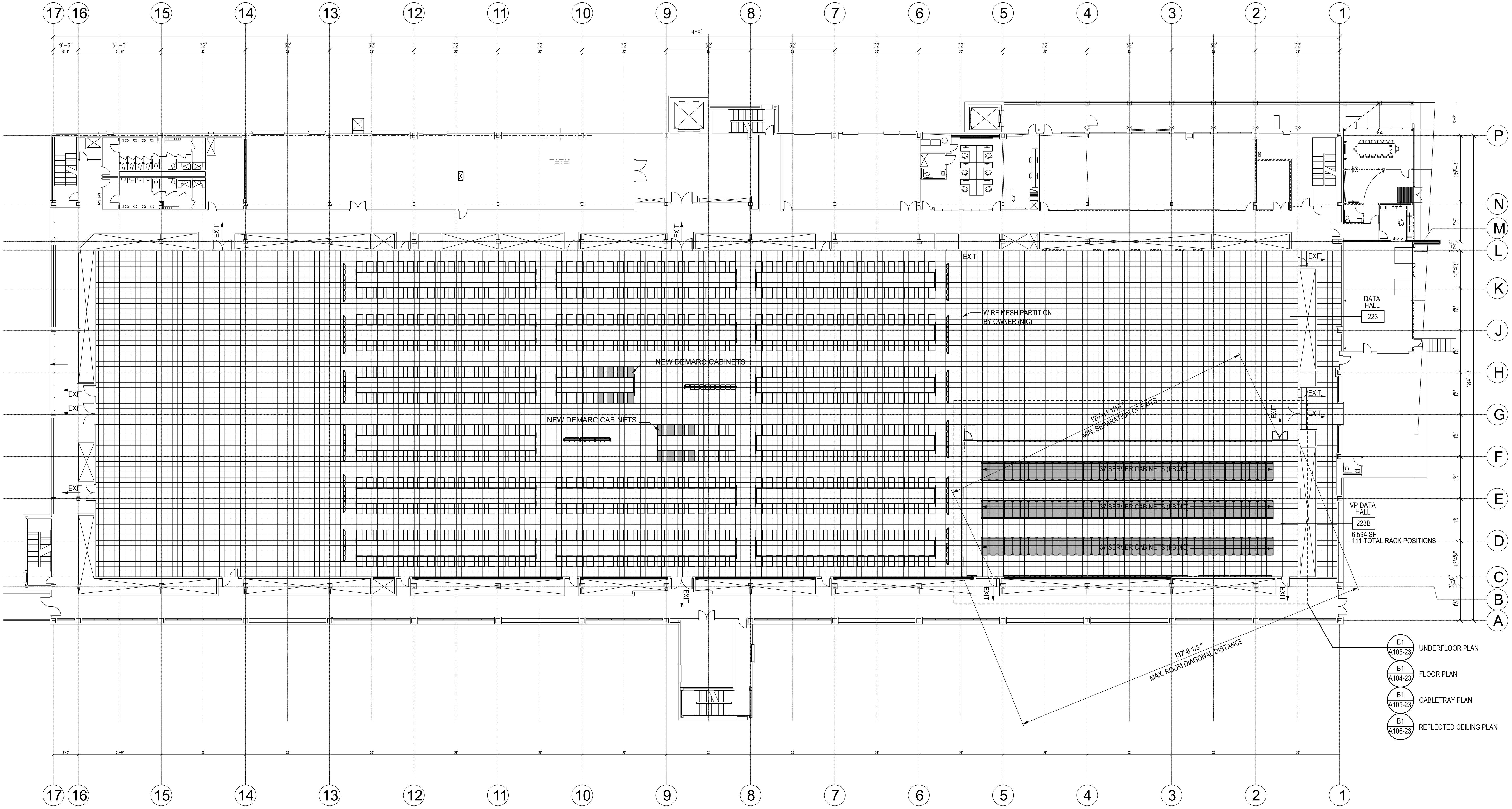
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 DECEMBER 27, 2024

OVERALL SITE PLAN

OVERALL SITE PLAN
 SCALE: 1" = 100'



A-101-23



A1 LEVEL 02 DATA HALL LAYOUT - OVERALL PLAN
SCALE: 1/16" = 1'-0"

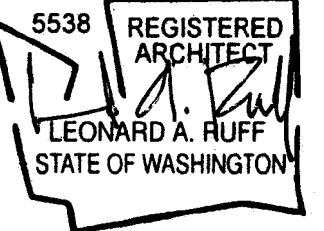
OCCUPANCY AND EXITING ANALYSIS

SERVER ROOM AREA: 6,594 SF
 OCCUPANT LOAD FACTOR (PER 2010 PERMITTING): 300 SF/OCCUPANT
 TOTAL OCCUPANT LOAD: 21.98 (22)
 MINIMUM NUMBER OF EXITS REQUIRED: 1
 TOTAL NUMBER OF EXITS PROVIDED: 3
 TOTAL ROOM DIAGONAL DISTANCE: 137'-6 1/8"
 MINIMUM REQUIRED EXIT SEPARATION: 45'-10"
 EXIT SEPARATION PROVIDED: 120'-11 1/16"
 MINIMUM EXIT WIDTH REQUIRED: 3.3'
 EXIT WIDTH PROVIDED: 136"

- B1 A103-23 UNDERFLOOR PLAN
- B1 A104-23 FLOOR PLAN
- B1 A105-23 CABLETRAY PLAN
- B1 A106-23 REFLECTED CEILING PLAN

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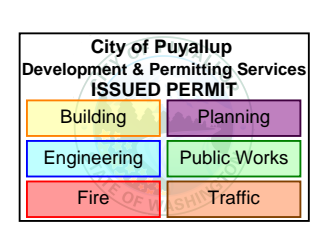
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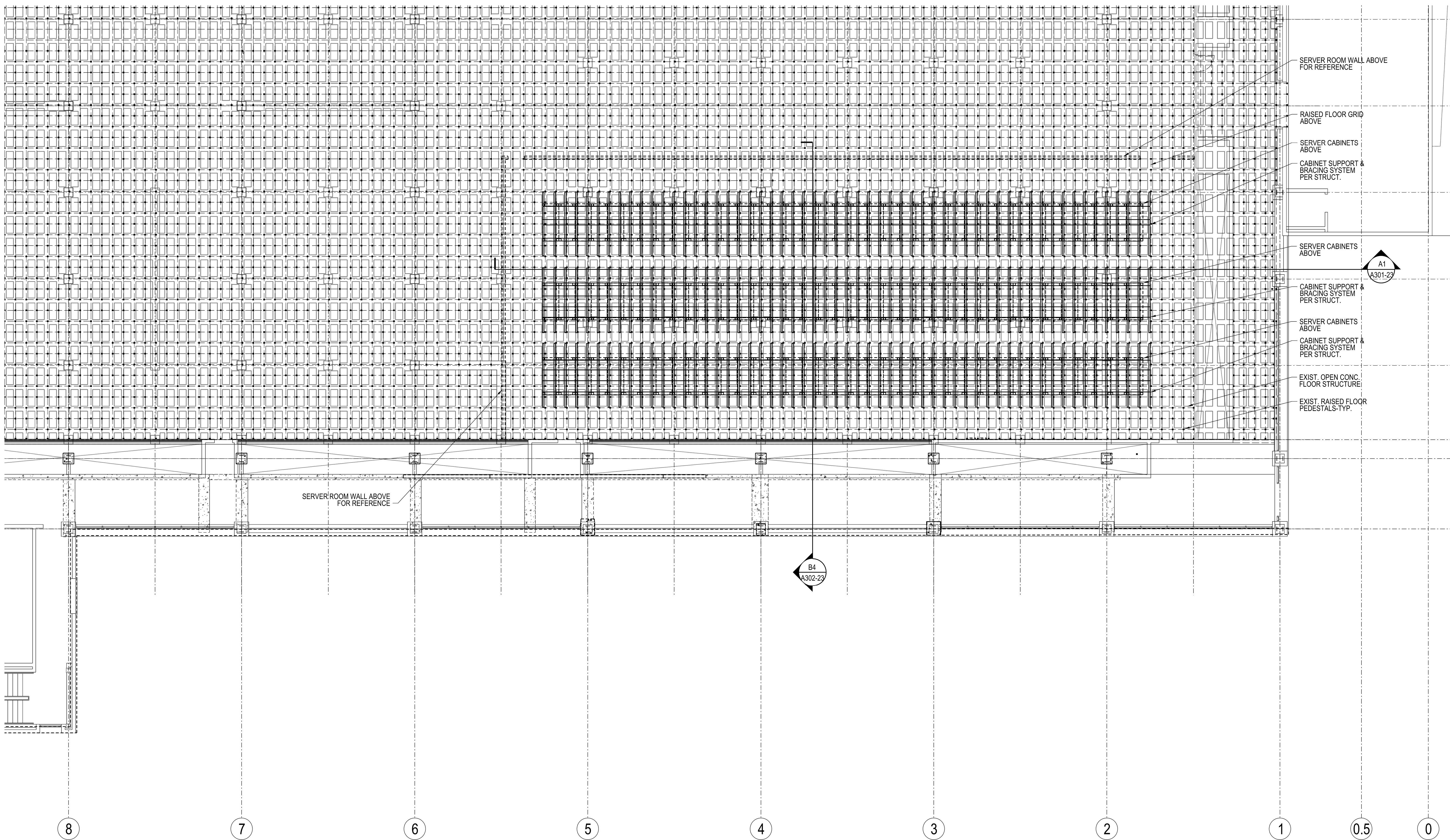
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LEVEL 02
 OVERALL FLOOR PLAN
 EXIT ANALYSIS

A-102-23

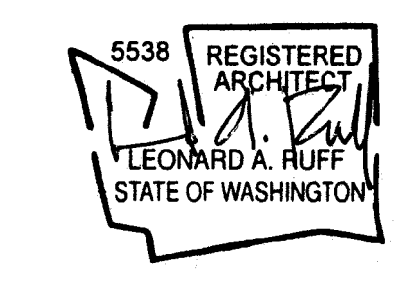




B1 LEVEL 02 UNDERFLOOR PLAN
 SCALE: 1/8" = 1'-0"

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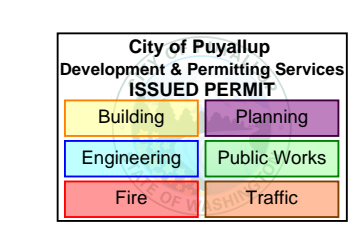
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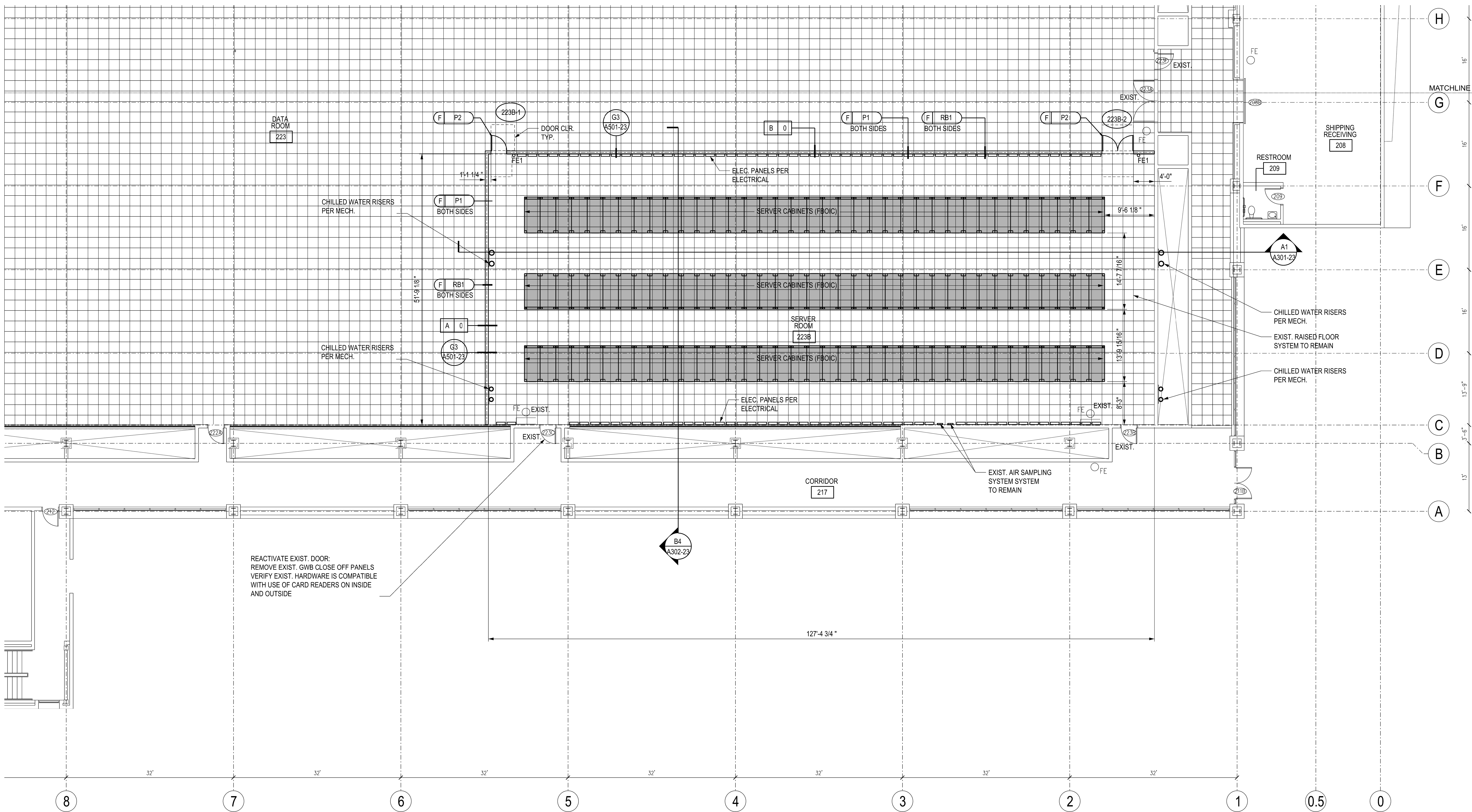
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LEVEL 02
 UNDERFLOOR PLAN
 SHEET DESCRIPTION

A-103-23

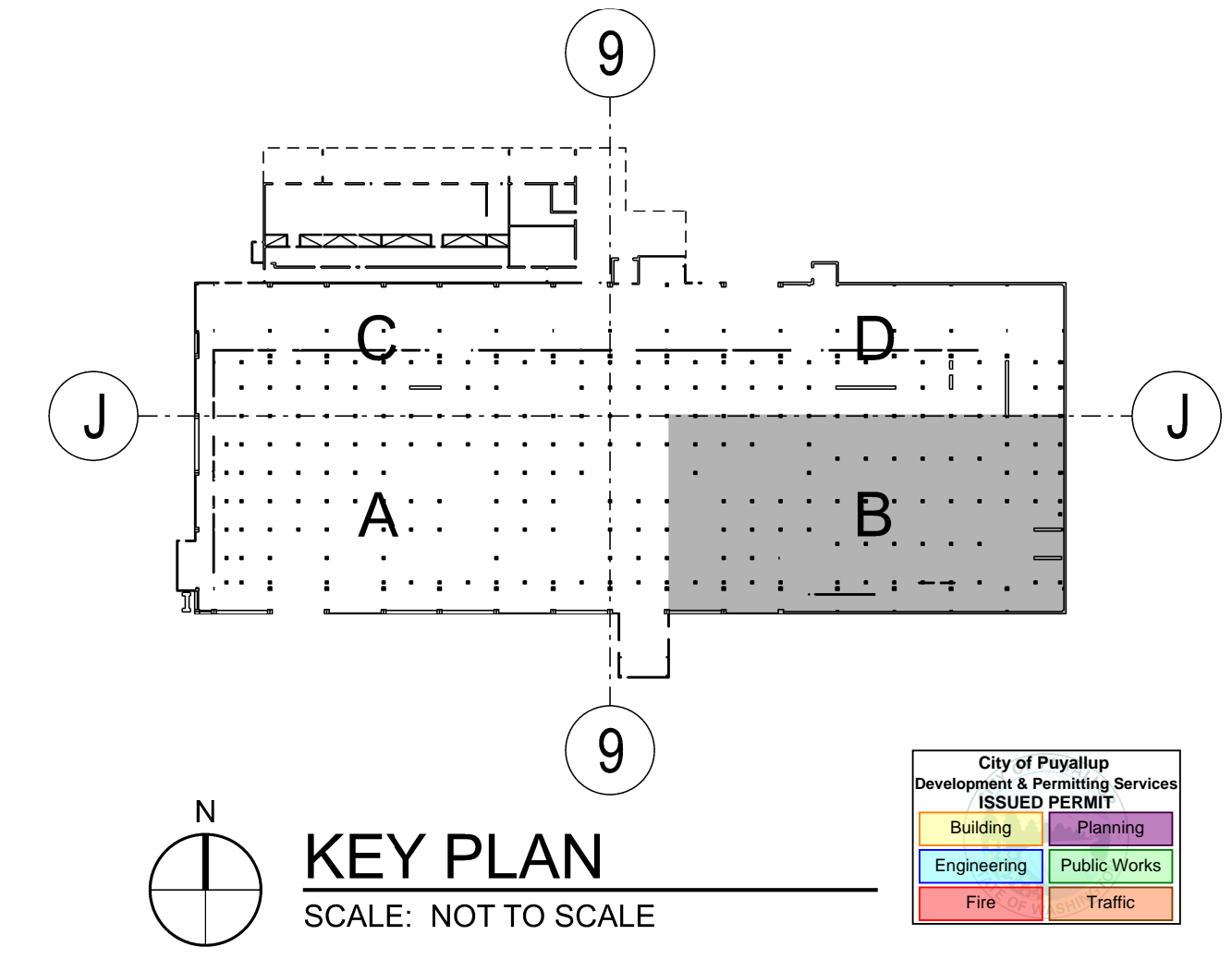




B1 ENLARGED LEVEL 02 FLOOR PLAN
SCALE: 1/8" = 1'-0"

WALL TYPE LEGEND

A 0	NON-RATED, 6" METAL STUDS, GAUGE AND SPACING PER STRUCTURAL, FULL HEIGHT FROM TOP OF RAISED FLOOR TO LEVEL 03 DECK ABOVE. 5/8" GWB FULL HEIGHT BOTH SIDES.
B 0	NON-RATED, 6" METAL STUDS, GAUGE AND SPACING PER STRUCTURAL, RUN STUDS FULL HEIGHT FROM TOP OF RAISED FLOOR TO LEVEL 03 DECK ABOVE. 5/8" GWB FULL SIDES TO 15'-0". REFER TO SECTION B4/A302-23.
C 0	NON-RATED, 6" METAL STUDS, GAUGE AND SPACING PER STRUCTURAL, FROM ACT SOFFIT TO BOTTOM OF LEVEL 03 DECK ABOVE. 5/8" GWB ON ONE SIDE. REFER TO SECTION B4/A302-23.

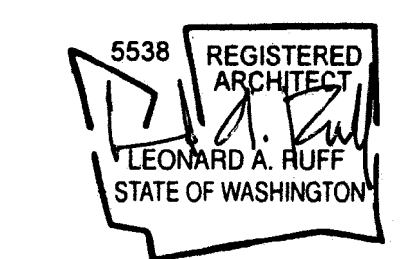


City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

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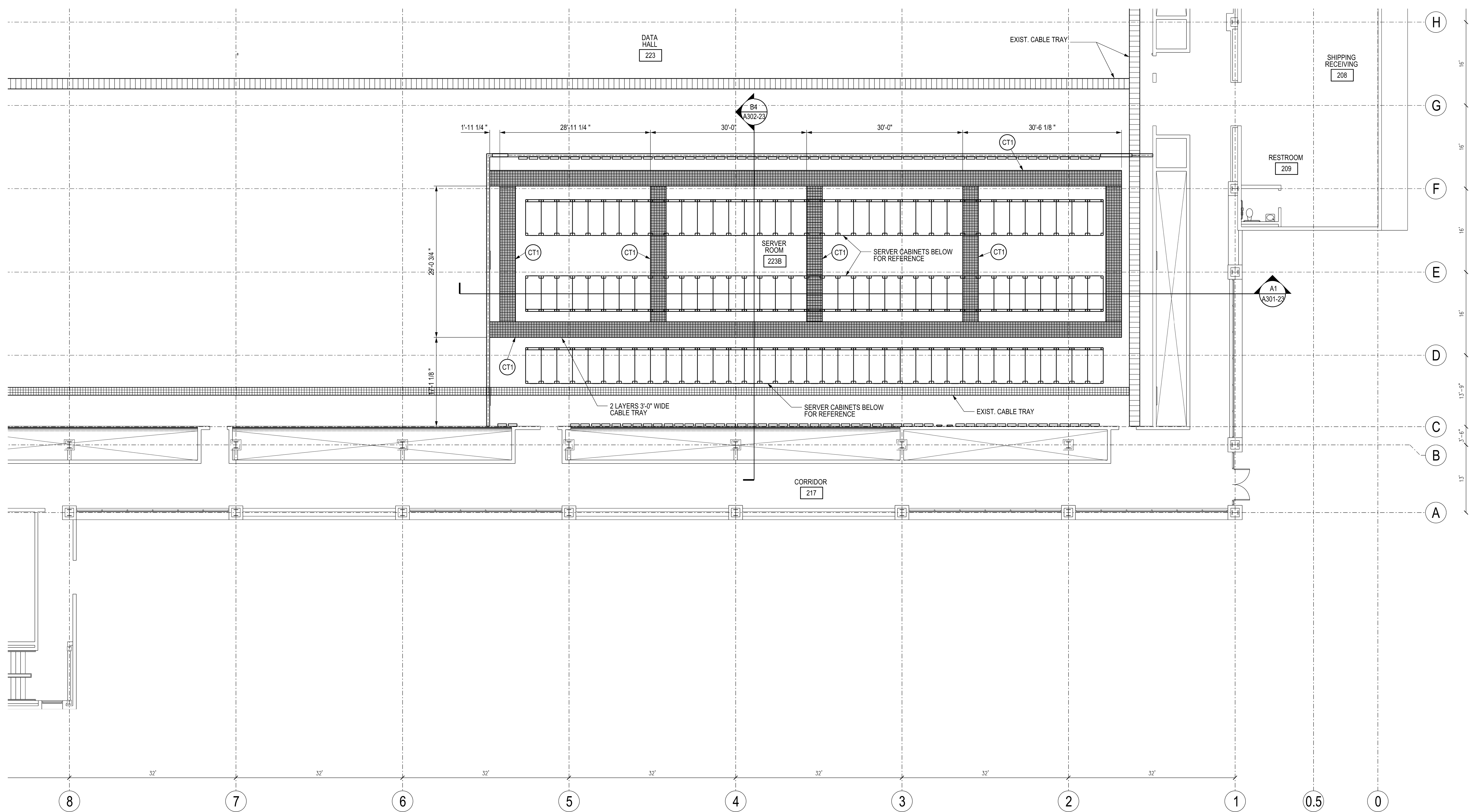
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WB05-LEVEL 02
VOLTAGE PARK DATA HALL

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ENLARGED LEVEL 02
FLOOR PLAN

A-104-23

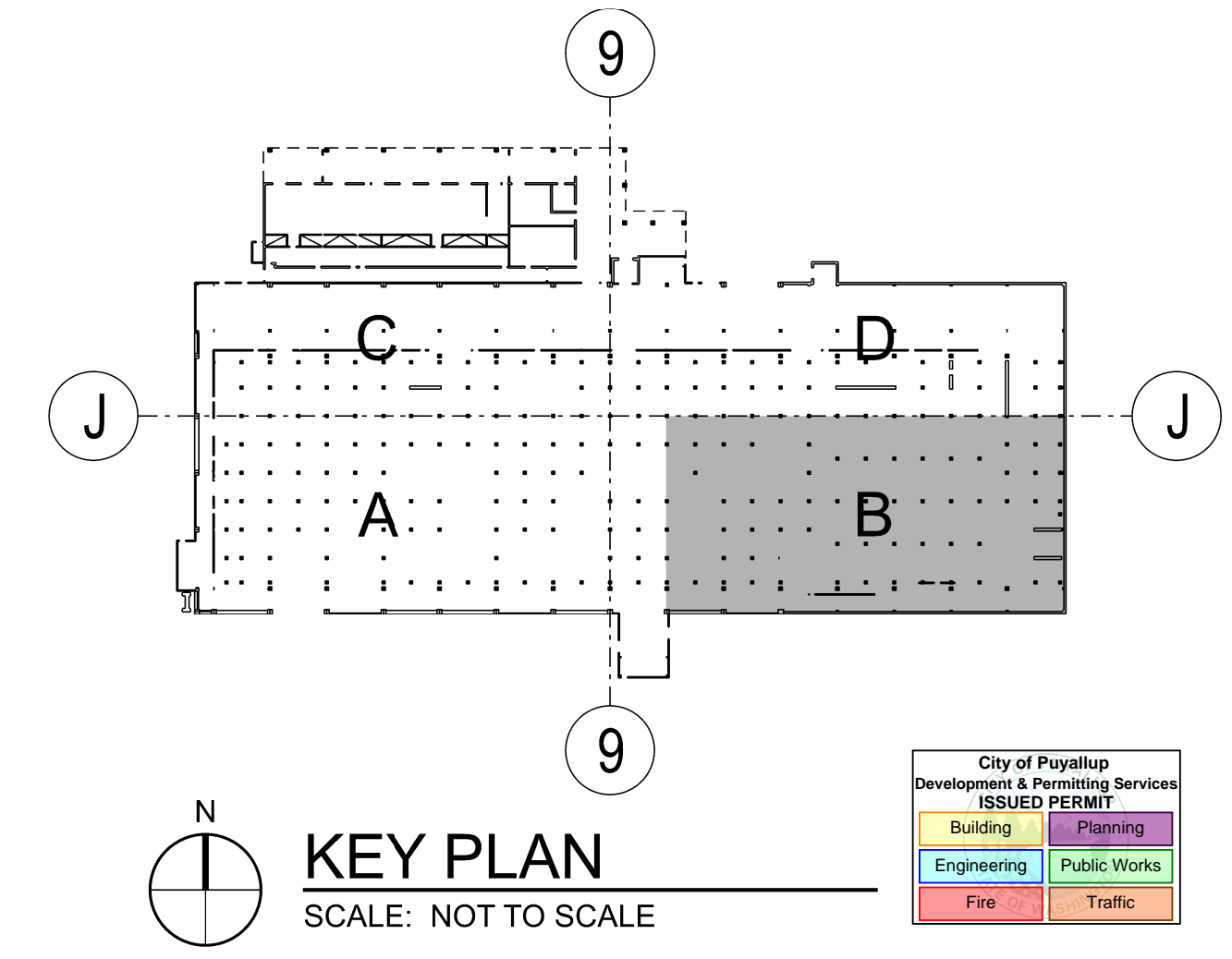


B1 ENLARGED LEVEL 02 CABLE TRAY PLAN
 SCALE: 1/8" = 1'-0"

CABLE TRAY LEGEND

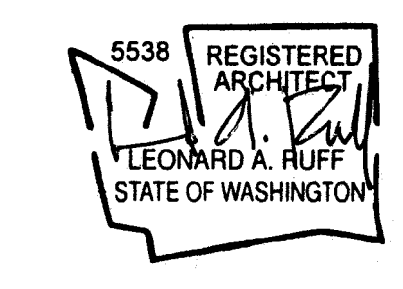
CT1 TWO LAYERS 3'-0" WIDE WIRE MESH CABLE TRAY. CHATSWORK 84821-5360R EQUAL. HEIGHT PER SECTIONS ON A301 & A302.

REFER TO STRUCTURAL DRAWINGS FOR CABLE TRAY SUPPORTS AND LOADING CRITERIA.



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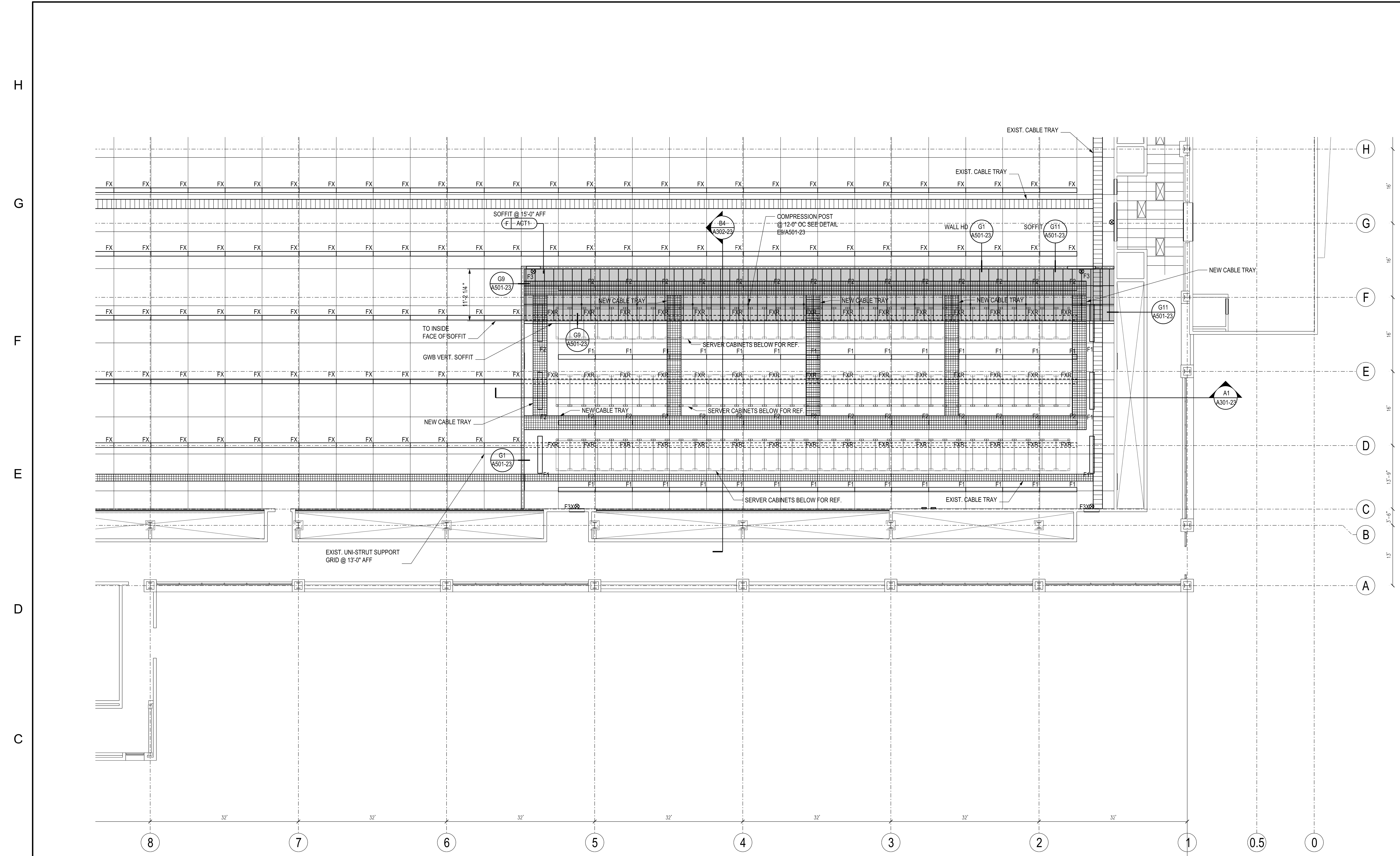
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 VOLTAGE PARK DATA HALL

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ENLARGED LEVEL 02
 CABLE TRAY PLAN

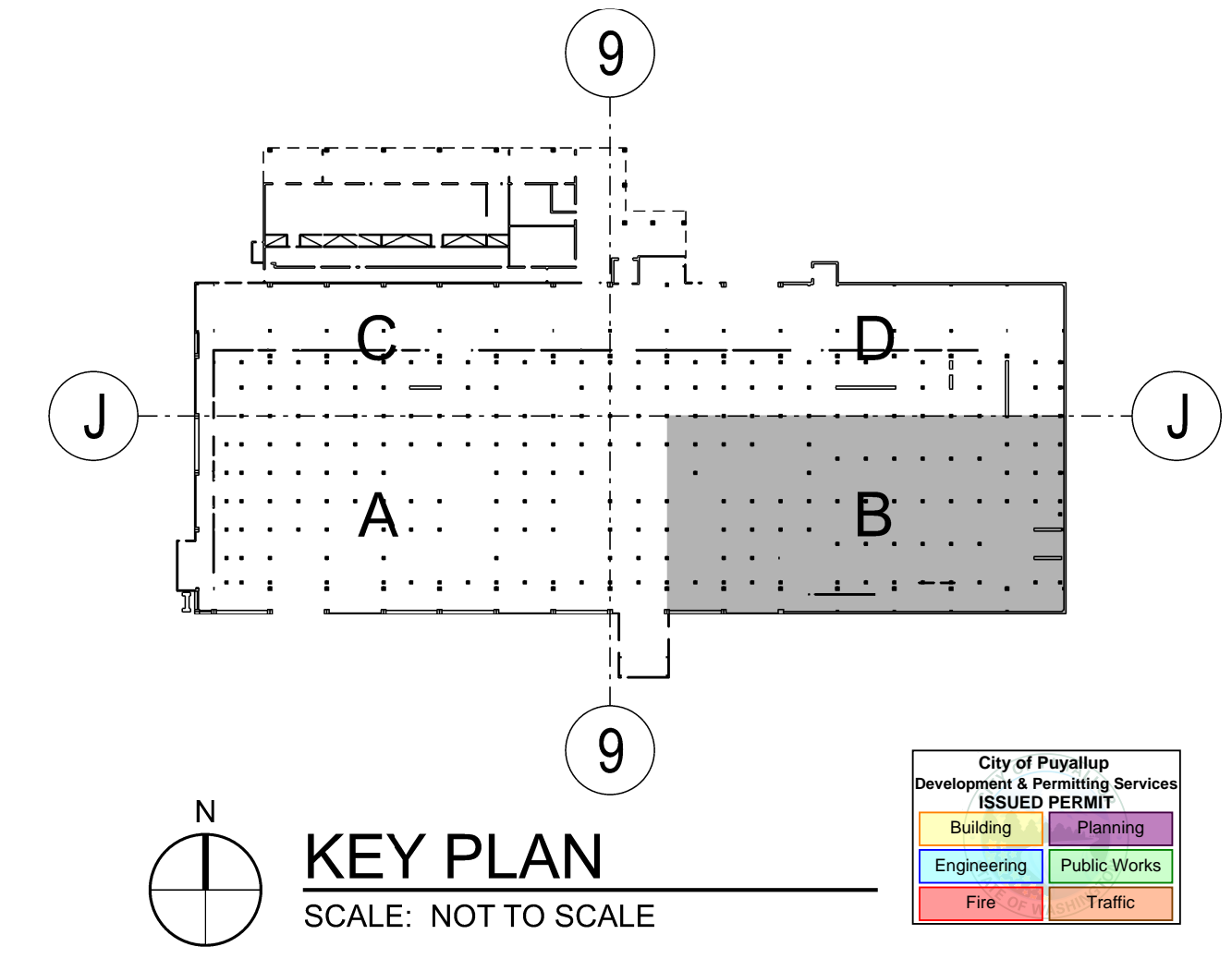
A-105-23



(B1) ENLARGED LEVEL 02 REFLECTED CEILING PLAN
 SCALE: 1/8" = 1'-0"

LIGHT FIXTURE LEGEND
 REFER TO ELECTRICAL FOR LIGHT FIXTURE SPECIFICATIONS

- FX EXIST. SUSPENDED FIXTURE TO REMAIN
- FXR EXIST. SUSPENDED FIXTURE TO BE REMOVED.
- TURN OVER TO OWNER
- F1 NEW 8' STRIP LED SUSPENDED FROM EXIST. UNI-STRUT SUPPORT GRID - MATCH ELEVATION OF FIXTURE F2
- F2 NEW 8' STRIP LED ATTACHED TO THE BOTTOM OF THE CABLE TRAY SUPPORT STRUCTURE
- FX WALL MOUNTED EXIT SIGN
- FX3 EXIST. WALL MOUNTED EXIT SIGN TO REMAIN



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CONSULTANT:

 5538 REGISTERED ARCHITECT
 LEONARD A. HUFF
 STATE OF WASHINGTON

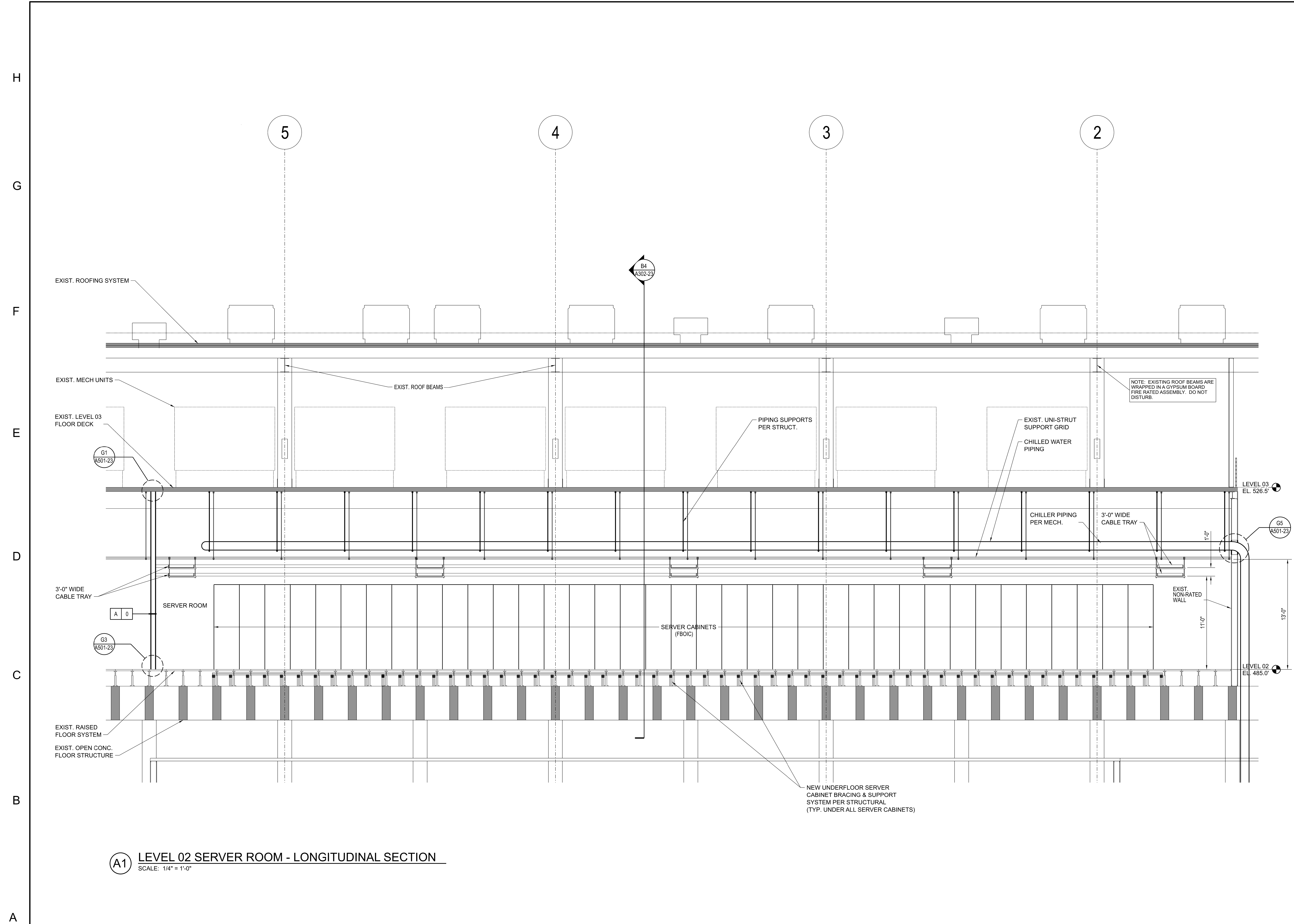
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 ENLARGED LEVEL 02
 REFLECTED CEILING PLAN

A-106-23



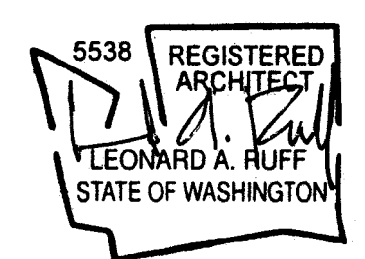
NOTE: EXISTING ROOF BEAMS ARE WRAPPED IN A GYPSUM BOARD FIRE RATED ASSEMBLY. DO NOT DISTURB.

NEW UNDERFLOOR SERVER CABINET BRACING & SUPPORT SYSTEM PER STRUCTURAL (TYP. UNDER ALL SERVER CABINETS)

A1 LEVEL 02 SERVER ROOM - LONGITUDINAL SECTION
SCALE: 1/4" = 1'-0"

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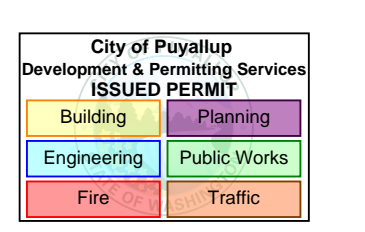
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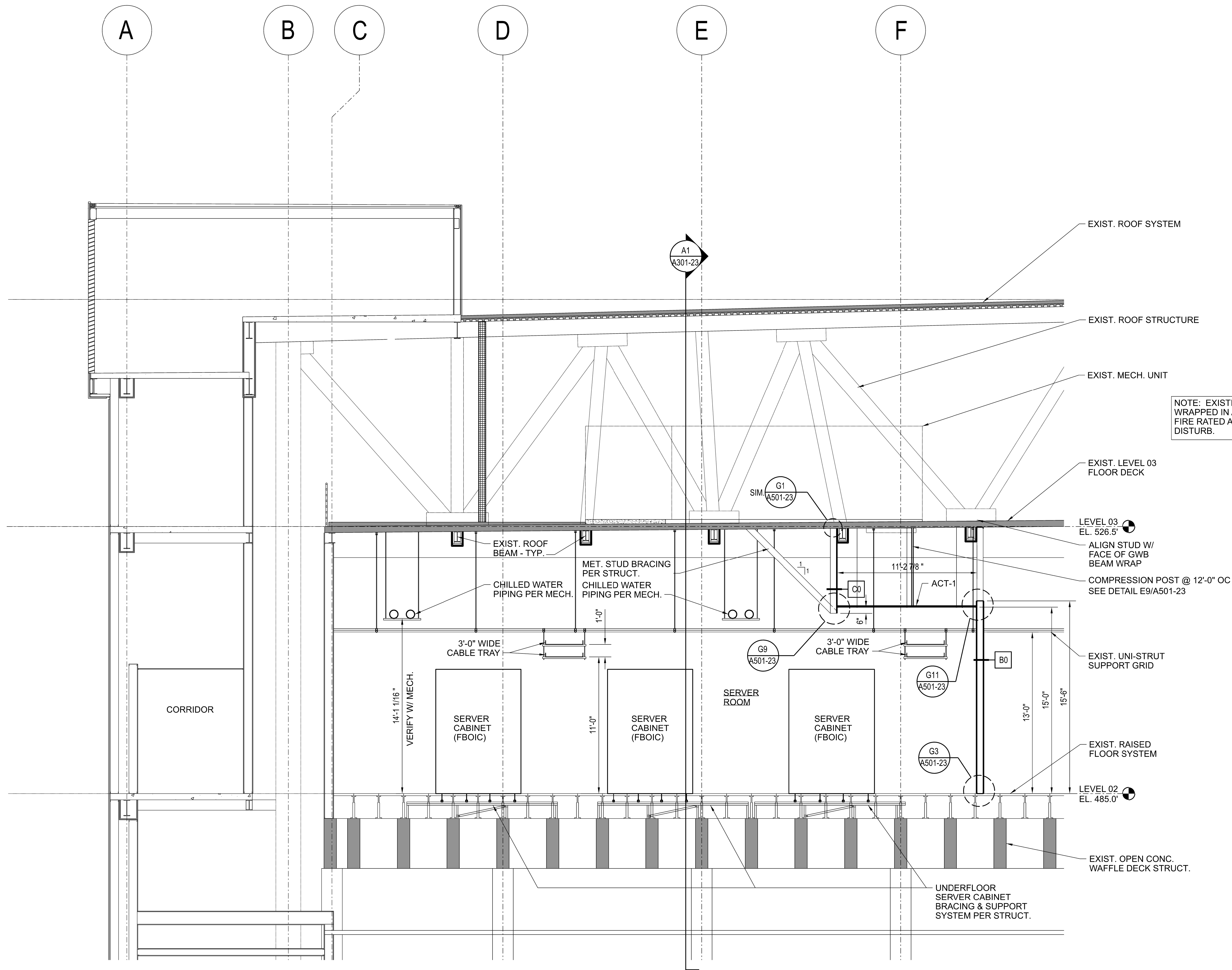
LEVEL 02 SERVER ROOM
SECTION

A-301-23



H
G
F
E
D
C
B
A

1 2 3 4 5 6 7 8 9 10 11 12

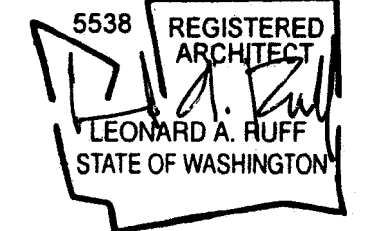


NOTE: EXISTING ROOF BEAMS ARE WRAPPED IN A GYPSUM BOARD FIRE RATED ASSEMBLY. DO NOT DISTURB.

B4 LEVEL 02 SERVER ROOM - CROSS SECTION
SCALE: 1/4" = 1'-0"

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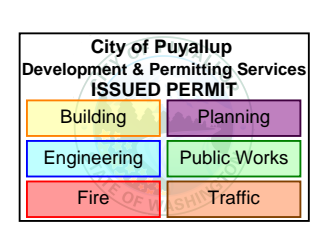
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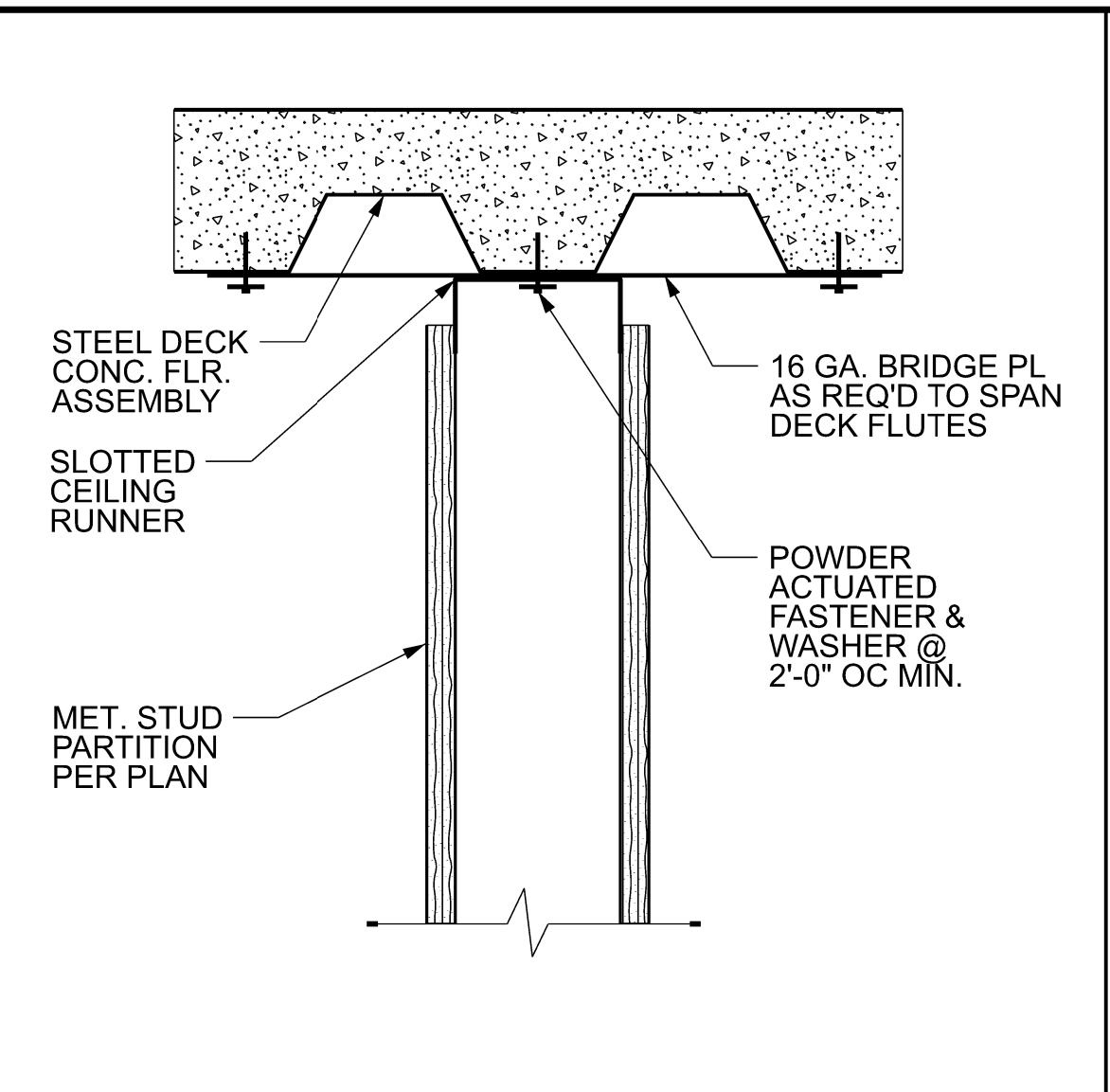
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LEVEL 02 SERVER ROOM
SECTION

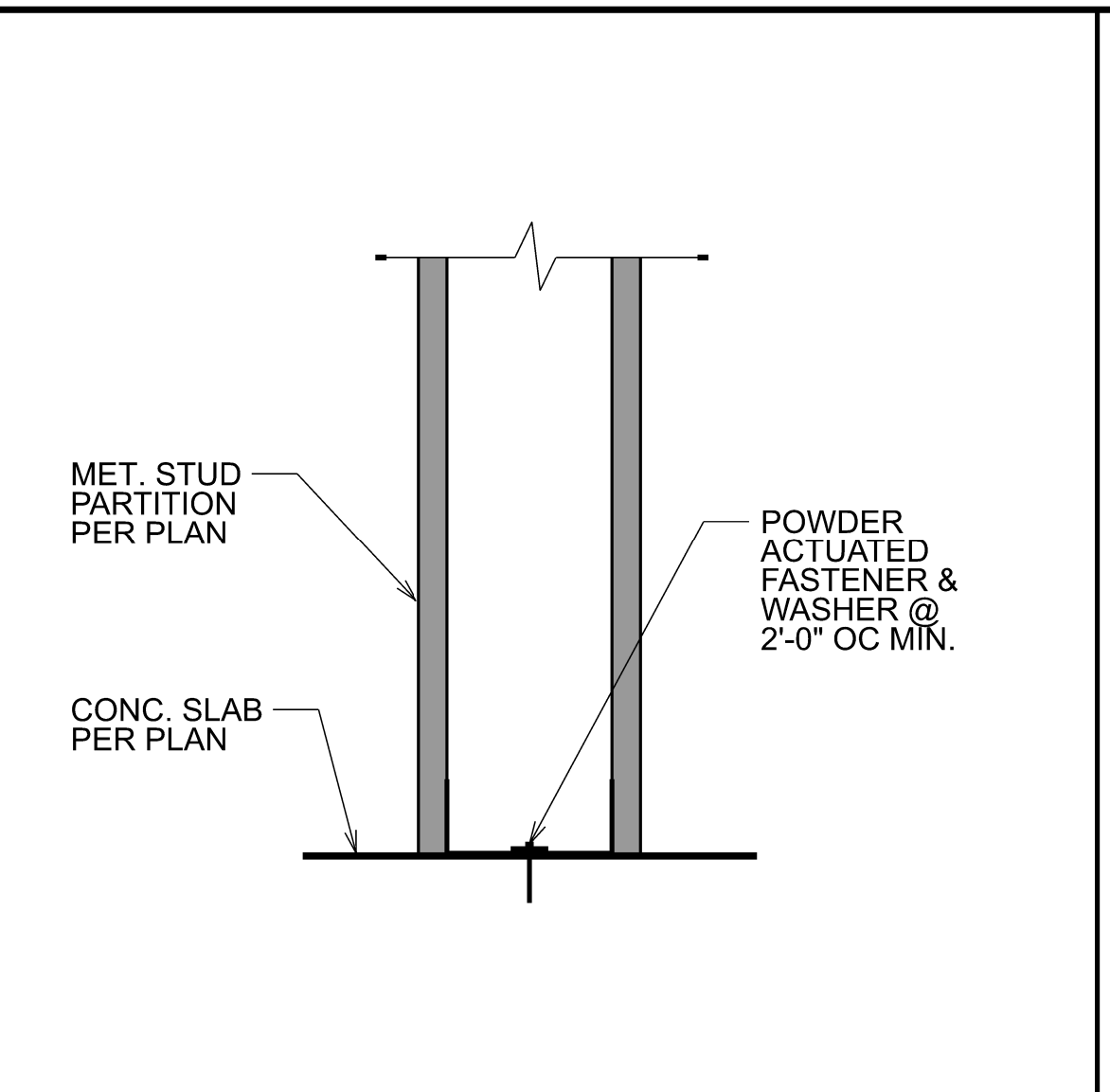
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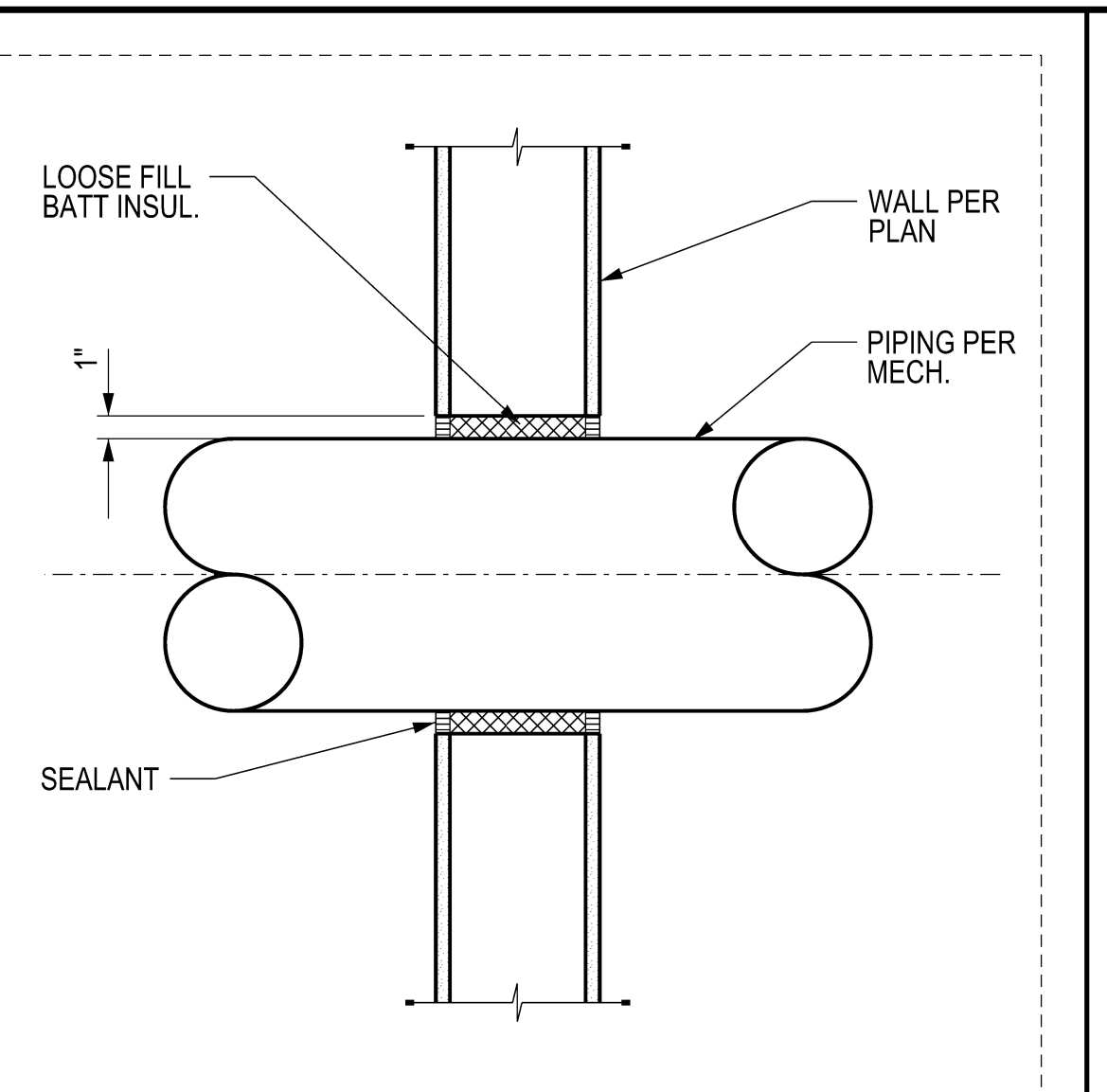
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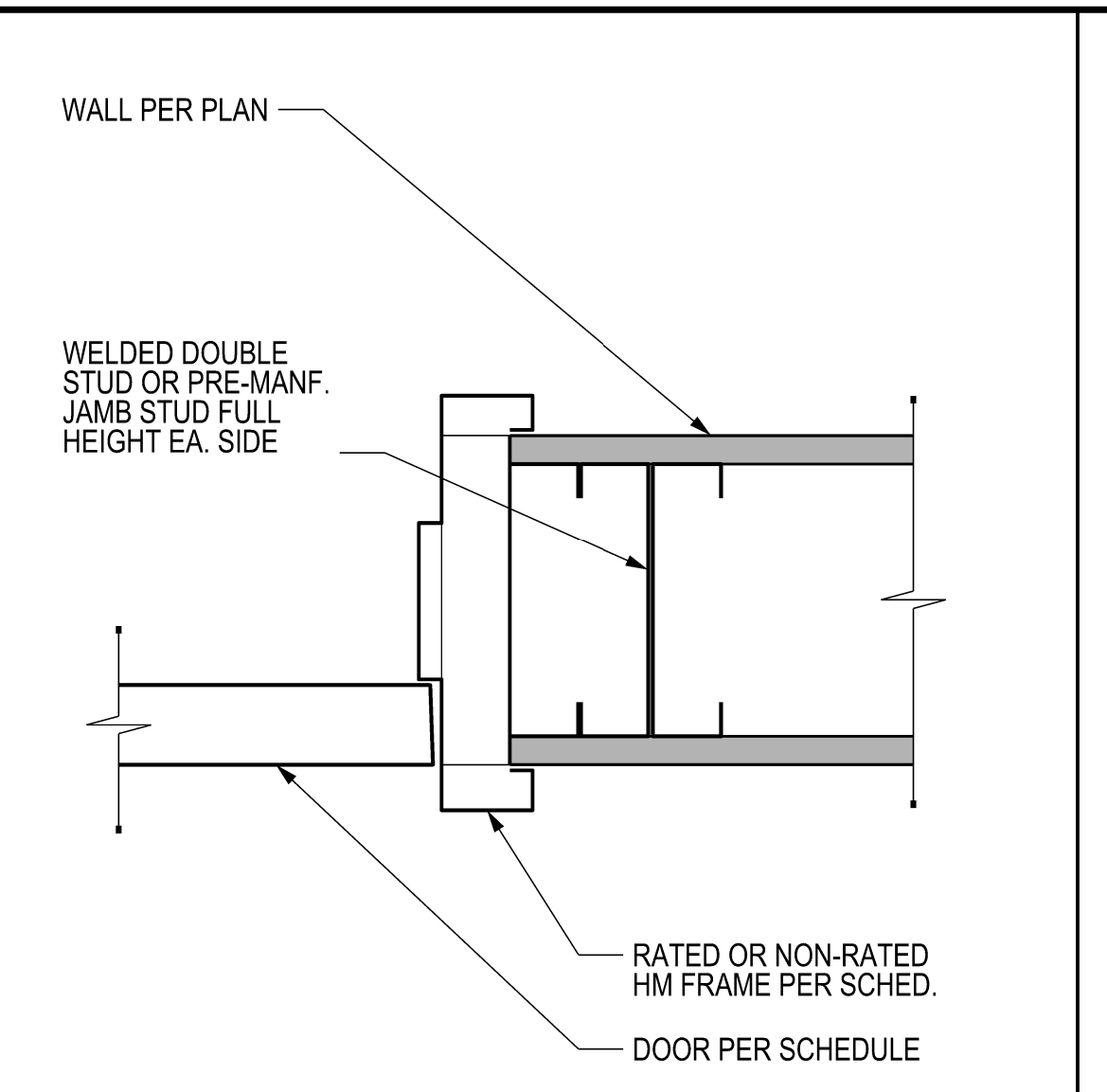
G1 METAL STUD PARTITION - TYP. HD @ MET. DECK-NR
SCALE: 3" = 1'-0" MSPHD-NR-02



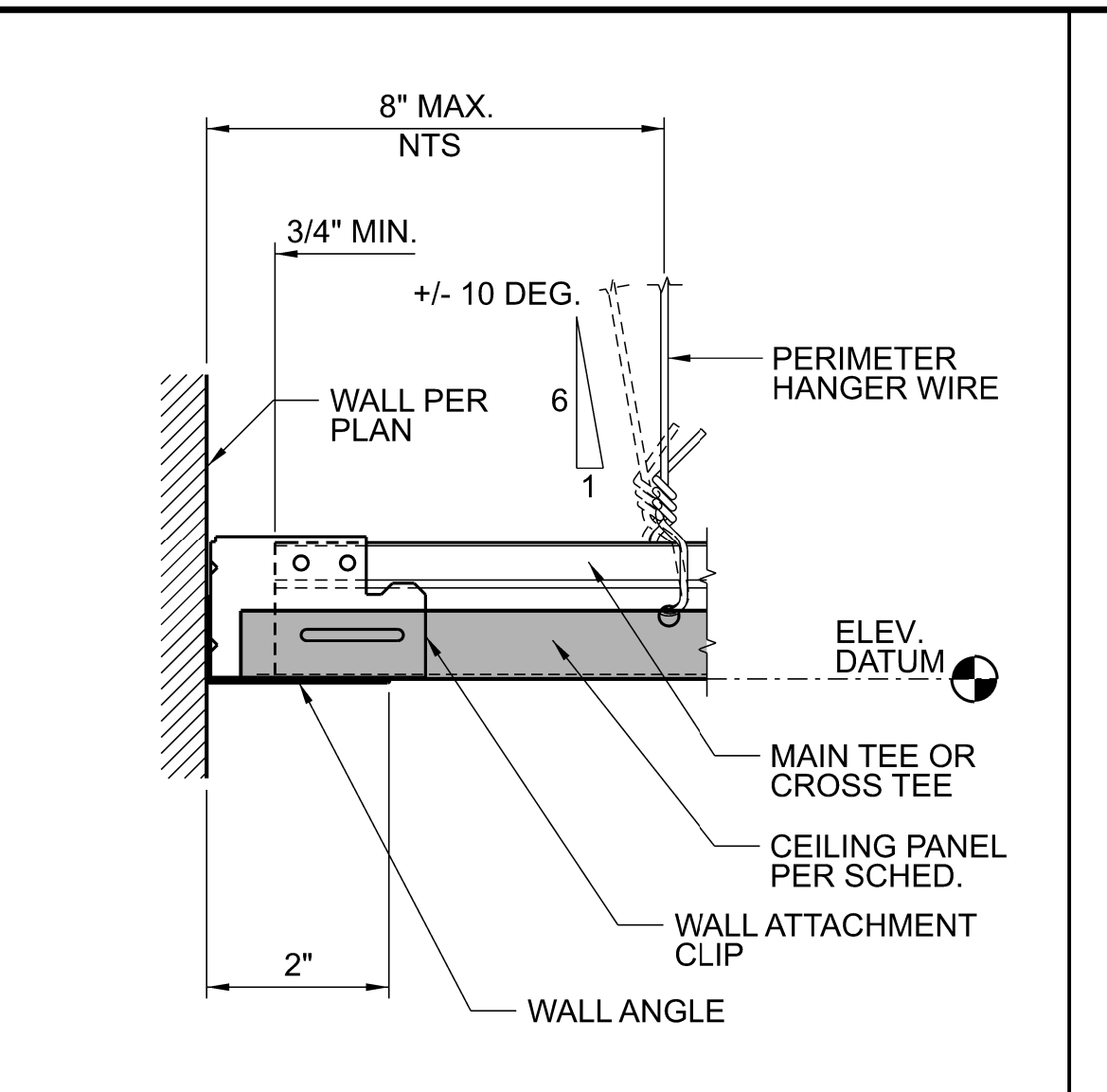
G3 METAL STUD PARTITION - TYP. SILL
SCALE: 3" = 1'-0" MSPSL-01



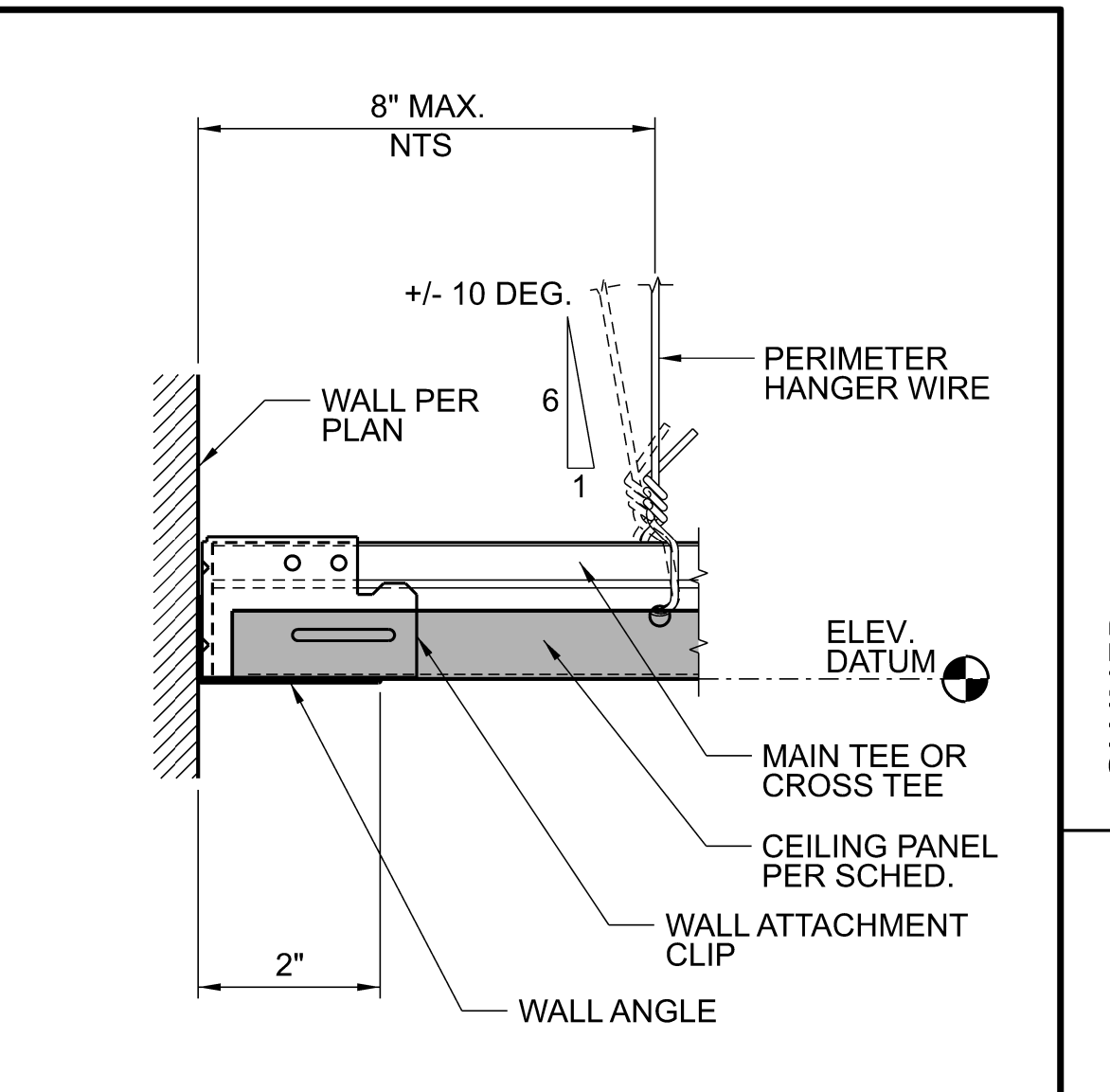
G5 PIPE PENETRATION - NON RATED
SCALE: 1 1/2" = 1'-0"



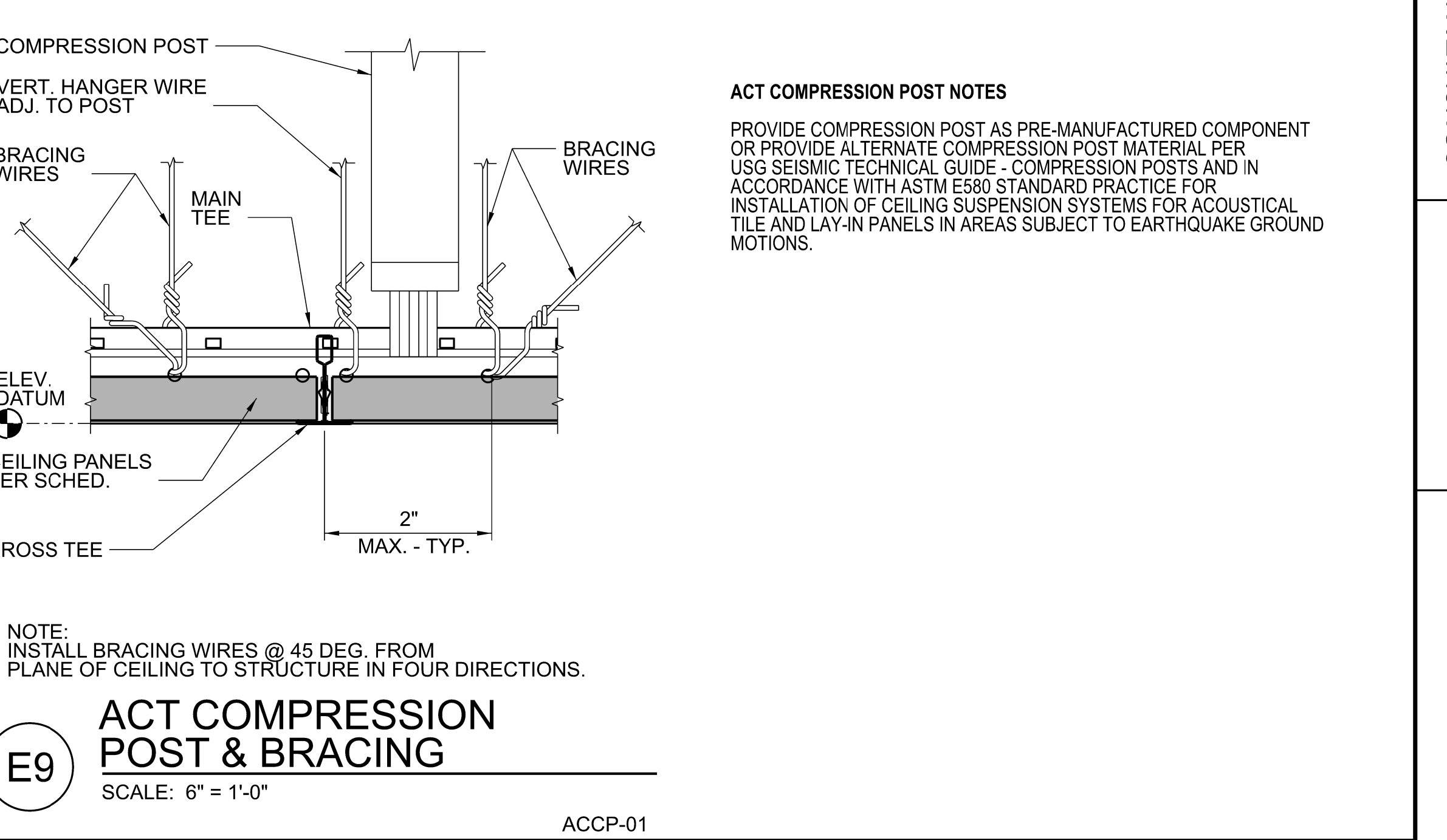
G7 TYP. DOOR JAMB-RATED & NON-RATED - HEAD SIM.
SCALE: 3" = 1'-0"



G9 ACT WALL ANGLE SEISMIC CATEGORY D-F
SCALE: 6" = 1'-0" ACWAS-01

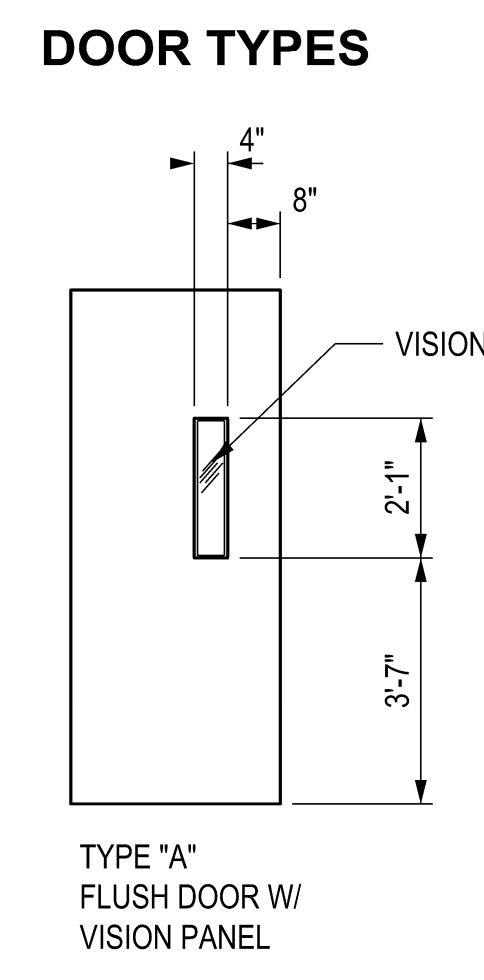


G11 ACT WALL ANGLE SEISMIC CATEGORY D-F
SCALE: 6" = 1'-0" ACWAS-02



OPENING SCHEDULE

NO.	TYPE	CONFIG.	WIDTH	HEIGHT	MAT.	F.R.	FRAME MAT.	FRAME F.R.	HW.	SILL	JAMB	HEAD	COMMENTS
223B-1	A	SGL	3'-0"	7'-0"	HM	NR	HM-PTD.	NR	1	---	G7/A501-23	G7/A501-23	CARD READ IN & OUT.
223B-2	A	PAIR	6'-0"	12'-0"	HM	NR	HM-PTD.	NR	2	---	G7/A501-23	G7/A501-23	CARD READ IN & OUT.
223C	EXIST	SGL	6'-0"	9'-0"	HM	EXIST	EXIST	EXIST	3	---	---	---	EXISTING DOOR, CARD READ IN & OUT.



DOOR HARDWARE SCHEDULE

HW-1 SINGLE: NON-RATED
2 EA. MCKINNEY NP874 4.5 x 4.5 LUDLOE OCC ELECTRIC HINGE
1 EA. MCKINNEY NP874 4.5 x 4.5 LUDLOE OCC ELECTRIC HINGE
1 EA. CHRYSLER HANGER WIRE 1/8\"/>

HW-1 PAIR: NON-RATED
4 EA. MCKINNEY NP874 4.5 x 4.5 LUDLOE OCC ELECTRIC HINGE
1 EA. MCKINNEY NP874 4.5 x 4.5 LUDLOE OCC ELECTRIC HINGE
1 EA. CHRYSLER HANGER WIRE 1/8\"/>

HW-2 SINGLE: EXISTING
VERIFY EXISTING HARDWARE IS COMPATIBLE WITH ELECTRIC LOCK SYSTEM. PROVIDE ALTERNATE HARDWARE IF NOT COMPATIBLE.
2\"/>

FINISH MATERIALS SCHEDULE

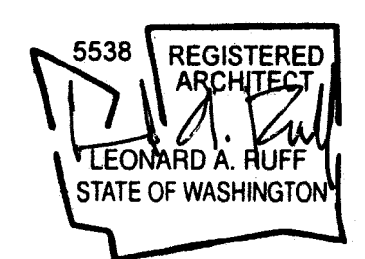
NO.	TYPE	MFG.	DESCRIPTION	COLOR NUMBER	COLOR NAME	COMMENTS
ACT1	ACOUSTIC CEILING TILE & GRID	TILE: ARMSTRONG GRID: DONN	TILE: ULTIMAT HEALTH ZONE HIGH NRC 1448 GRID: DXAS PROFILE	TILE: WH GRID: 050	TILE: WHITE GRID: FLAT WHITE	TILE: 15/16" SQUARE EDGE
P1	PAINT	BENJAMIN MOORE	ECO SPEC WB INTERIOR LATEX EGGSHELL N374	2121-70	CHANTILLY LACE	APPLY ON WALLS
P2	PAINT	BENJAMIN MOORE	ECO SPEC WB INTERIOR LATEX SEMI-GLOSS N376	2121-70	CHANTILLY LACE	APPLY ON HM DOORS & FRAMES
RB1	RESILIENT BASE	ROPPE	4" COVED BASE	193	BLACK BROWN	INSTALL AT BOTH SIDES OF NEW WALLS.

EQUIPMENT SCHEDULE

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

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.cascade-missioncritical.com

PRCTI20242004

CENTERIS VOLTAGE PARK
1023 39th Avenue South East
Puyallup, WA 98374-2121
WB05-LEVEL 02
VOLTAGE PARK DATA HALL

ISSUED/REVISED DATE
PERMIT SUBMITTAL 12/27/24

PERMIT SUBMITTAL
DECEMBER 27, 2024

DETAILS
SCHEDULES

A-501-23

