



# R046 - NANUET - RESTROOM UPGRADE

Nanuet, NY

90% CD Set

December 03, 2021



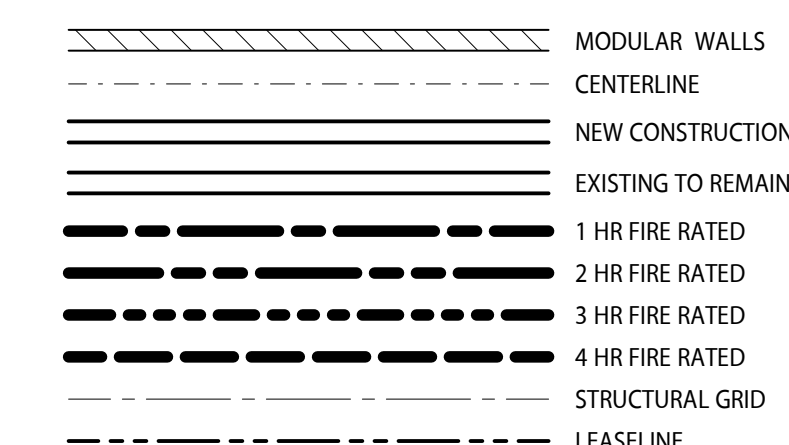
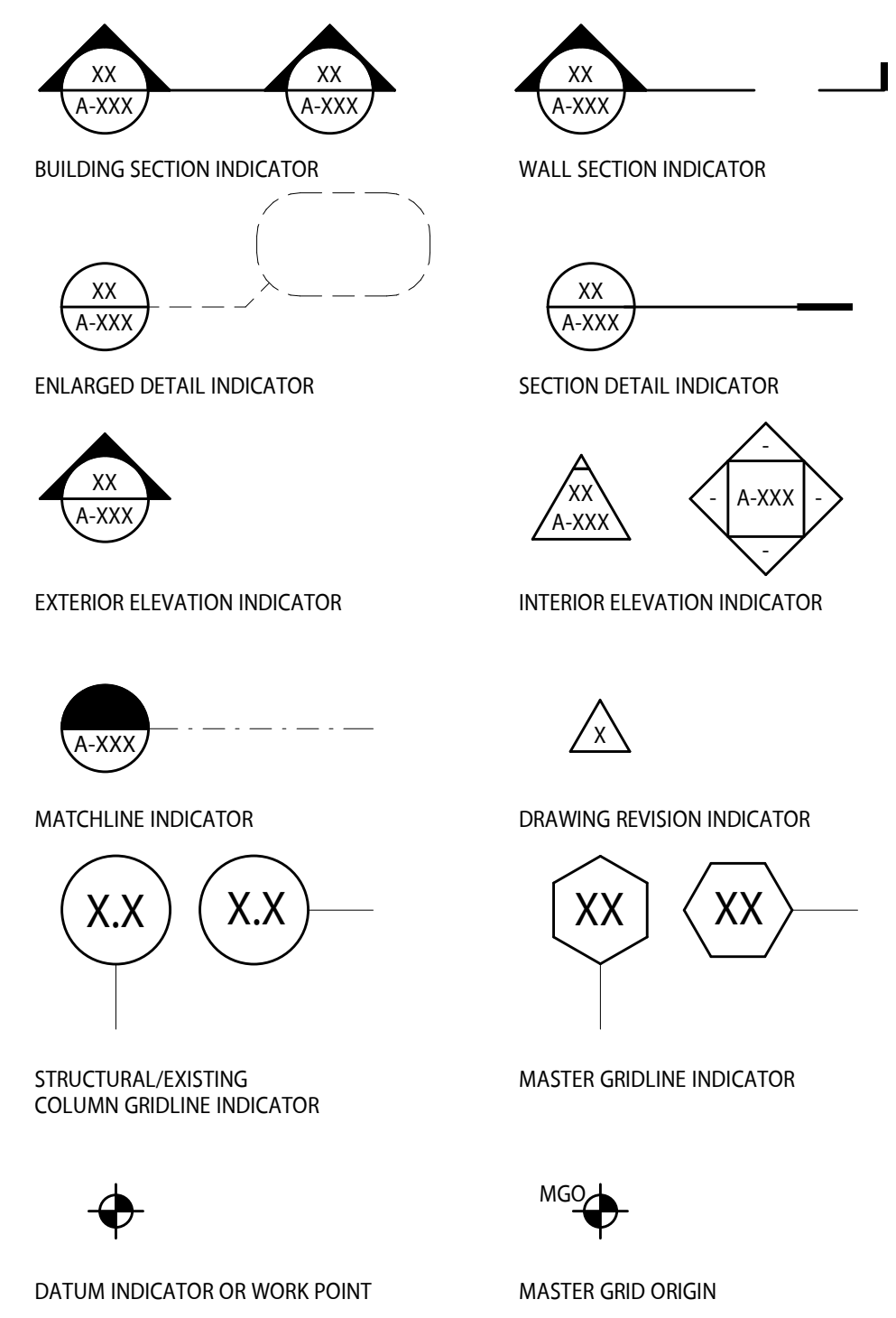


# APPLE STORE - R046 - NANUET

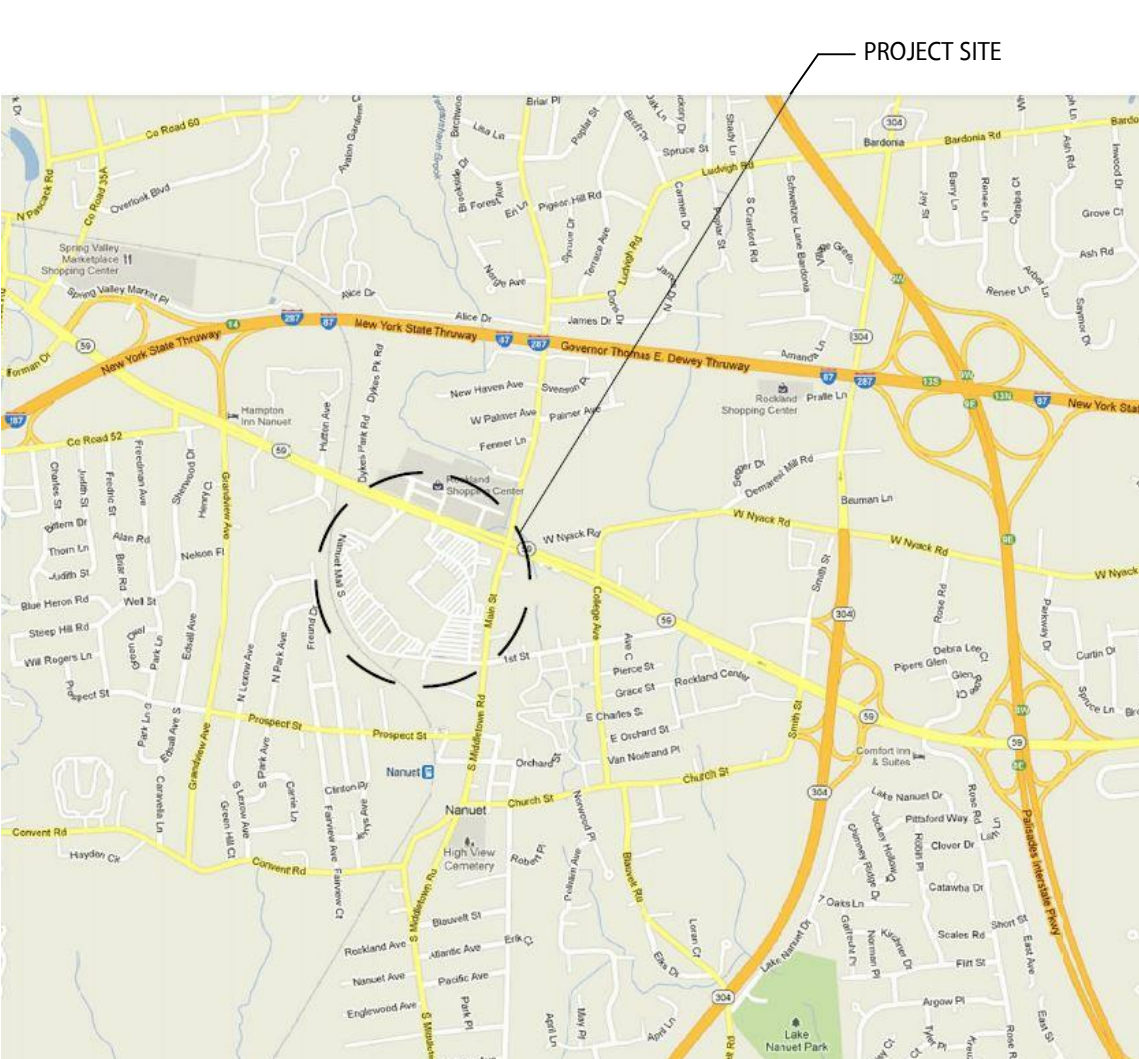
## ABBREVIATIONS

AC	ASPHALTIC CONCRETE	JAN	JANITOR
ACC	ACCESSIBLE	JT	JOINT
ACP	ACOUSTICAL CEILING PANEL	KIT	KITCHEN, KITCHENETTE
ACST	ACOUSTICAL	L	LONG
AD	AREA DRAIN	LAM	LAMINATE, LAMINATED
ADOM	ADJUNCTION	LAV	LAVATORY
ADJ	ADJUSTABLE	LAND	LANDSCAPE
AFF	ABOVE FINISHED FLOOR	LSC	LIFESTYLE CENTER
AFG	ABOVE FINISHED GRADE	LT	LIGHT
AHU	AIR HANDLING UNIT	LTG	LIGHTING
ALT	ALTERNATE	MAS	MASONRY
ALUM	ALUMINUM	MATL	MATERIAL
ANOD	ANODIZED	MAX	MAXIMUM
AOR	ARCHITECT OF RECORD	MECH	MECHANICAL
APPROX	APPROXIMATE	MED	MEDIUM
ARCH	ARCHITECT, ARCHITECTURAL	MEMB	MEMBRANE
AUTO	AUTOMATIC	MEZZ	MEZZANINE
AV	AUDIO VISUAL	MFR	MANUFACTURE
BB	BULLETIN BOARD	MH	MOP HOLDER
BD	BOARD	MIN	MINIMUM, MINUTE
BKS	BACKSTAGE	MIR	MIRRORED
BLDG	BUILDING	MISC	MISCELLANEOUS
BLKG	BLOCKING	MO	MASTER GRID ORIGIN
BO	BOTTOM OF	MO	MASONRY OPENING
BOH	BACK OF HOUSE, BACKSTAGE	MR	MIRROR
BOT	BOTTOM	MS	MOP SINK
BRG	BEARING	MTD	MOUNTED
BRZ	BRONZE	MTL	METAL
BSMT	BASEMENT	MVBL	MOVABLE
BUR	BUILT UP ROOFING	MW	MODULAR WALL
C	CONTRACTOR	N	NORTH
CB	CATCH BASIN	NIC	NOT IN CONTACT
CEM	CEMENT, CEMENTITIOUS	NO	NUMBER
CG	CORNER GUARD	NOM	NOMINAL
CH	COAT HOOK	NTS	NOT TO SCALE
CI	CAST IRON	O	OWNER
CJ	CONTROL, JOINT	OC	ON CENTER
CIP	CAST-IN-PLACE	OCC	OCCUPANT, OCCUPANTS
CL	CENTERLINE	OH	OVERHEAD
CLG	CEILING	OD	OUTSIDE DIAMETER
CLO	CLOSET	OPNG	OPENING
CLR	CLEAR	OPP	OPPOSITE
CNU	CONCRETE MASONRY UNIT	ORD	OVERFLOW ROOF DRAIN
CO	CLEAN OUT, CASED OPENING	OTS	OPEN TO STRUCTURE ABOVE
COL	COLUMN	PRCST	PRECAST
COMM	COMMUNICATION	PERP	PERPENDICULAR
CONC	CONCRETE	PLAM	PLASTIC LAMINATE
CONN	CONNECTION, CONNECT	PLAS	PLASTER
CONSTR	CONSTRUCTION	PLYWD	PLYWOOD
CONT	CONTINUOUS, CONTINUE	PNL	PANEL
CORR	CORRIDOR	PL	PROPERTY LINE
CPT	CARPET	PR	PAIR
CSWK	CASEWORK	PROP	PROPERTY
CTR	CENTER	PT	POINT, POINT, PRESSURE TREATED
CU	CUBIC	PTD	PAPER TOWEL DISPENSER
D	DEEP, DEPTH	PTDWR	PAPER TOWEL DISPENSER/ WASTE RECEPTACLE
DBL	DOUBLE	PTN	PARTITION
DEMO	DEMOLISH, DEMOLITION	R	RADIUS, RISER
DET	DETAIL	RCP	REFLECTED CEILING PLAN
DF	DRINKING FOUNTAIN	RD	ROOF DRAIN, ROAD
DIA	DIAMETER	REF	REFER TO, REFERENCE,
DIAG	DIAGONAL, DIAGRAM	REFR	REFRIGERATOR
DM	DIMENSION	REINF	REINFORCED, REINFORCING
DIV	DIVIDE, DIVISION	REOD	REQUIRED
DM	DEVELOPMENT MANAGER	REV	REVISED, REVISION
DMPF	DAMP-PROOF	RFG	ROOFING
DN	DOWN	RM	ROOM
DOR	DESIGNER OF RECORD	RO	ROUGH OPENING
DR	DOOR, DRESSING ROOM	RS	REMOTE STOCK
DS	DOWNSPOUT	RT	RIGHT
DW	DISHWASHER	S	SOUTH
DWG	DRAWING	SCD	SEAT COVER DISPENSER
DWR	DRAWER	SCWD	SOLID CORE WOOD
E	EAST	SCHED	SCHEDULE
EJ	EXPANSION JOINT	SD	STORM DRAIN,
EL	ELEVATION	SECT	SECTION
ELEC	ELECTRIC, ELECTRICAL	SE	SQUARE FOOT, SQUARE FEET
ELEV	ELEVATOR	SGL	SINGLE
ENCL	ENCLOSE, ENCLOSURE	SH	SHEET
EOR	ENGINEER OF RECORD	SHTHG	SHEATHING
EP	ELECTRIC PANEL	SIM	SIMILAR
EQ	EQUAL	SM	SQUARE METERS
EQUIP	EQUIPMENT	SNR	SANITARY NAPKIN RECEPTACLE
EXH	EXHAUST	SPEC	SPECIFICATION
EXP	EXPANSION, EXPOSED	SPKR	SPEAKER
EXIST,	EXISTING	SQ	SQUARE
(E)		SS	STAINLESS STEEL,
FA	FIRE ALARM	SVC	SERVICE SINK
FCIO	FURNISHED BY CONTRACTOR	STD	STANDARD
FD	FLOOR DRAIN	STL	STEEL
FDC	FIRE DEPARTMENT CONNECTION	STOR	STORAGE
FDTN	FOUNDATION	STRUCT	STRUCTURAL
FE	FIRE EXTINGUISHER	SUSP	SUSPENDED
FEC	FIRE EXTINGUISHER CABINET	T	TREAD
FF	FINISH FLOOR	T&G	TONGUE AND GROOVE
FFE	FURNITURE FIXTURES & EQUIPMENT	TEL	TELEPHONE
FH	FIRE HYDRANT	TEMP	TEMPERATURE,
FHC	FIRE HOSE CABINET	TEMP	TEMPORARY
FIG	FIGURE	TER	TERRAZZO
FIN	FINISH, FINISHED	THK	THICK, THICKNESS
FLEX	FLEXIBLE	THK	THICK, THICKNESS
FLR	FLOOR, FLOORING	TPD	TOILET PAPER DISPENSER
FO	FACE OF, FINISHED OPENING	TO	TOP OF
FOH	FRONT OF HOUSE	TSTAT	THERMOSTAT
FOIC	FURNISHED BY OWNER	TV	TELEVISION
FOID	FURNISHED BY OWNER	TYP	TYPICAL
FOIO	FURNISHED BY OWNER	UCS	UNIVERSAL CEILING SYSTEM
FR	FIRE PROTECTION, FIREPROOF	UGND	UNDERGROUND
FRMG	FRAMING	UN	UNLESS OTHERWISE NOTED
FRT	FIRE RETARDANT TREATED	UR	URINAL
FT	FOOT, FEET	UTA	UNIVERSAL TROUGH ASSEMBLY
FTG	FOOTING	VERT	VERTICAL
FTI	FLUSH TROUGH INITIATIVE	VEST	VESTIBULE
FUT	FUTURE	VIF	VERIFY IN FIELD
PVC	FIRE HOSE VALVE CABINET	VNR	VENEER
PWC	FABRIC WALL COVERING	VR	VAPOR RETARDER
PWP	FABRIC WRAPPED PANEL(S)	W	WEST, WIDE, WATT
GA	GAGE	W	WITH
GALV	GALVANIZED	WO	WITHOUT
GB	GRAB BAR	WAP	WIRELESS ACCESS POINT
GC	GENERAL CONTRACTOR	WC	WATER CLOSET,
GEN	GENERAL, GENERATOR	WALLCOVERING	WOOD CEILING SYSTEM
GFRG	GLASS-FIBER REINFORCED CONCRETE	WD	WOOD
GFRG	GLASS-FIBER REINFORCED GYPSUM	WH	WALL HYDRANT
GFRP	GLASS-FIBER REINFORCED PLASTIC	WP	WEATHERPROOF,
GL	GLASS	WATERPROOFING,	WATERPROOF,
GLB	GRAPHIC LIGHT BOX	WR	WATER RESISTANT,
GYP	GYPSUM	WT	WEIGHT
GYP BD	GYPSUM BOARD	XMR	TRANSFORMER
H	HIGH		
HB	HOSE BIBB		
HCWD	HOLLOW CORE WOOD		
HD	HAND DRYER		
HDBD	HARDBOARD		
HDW	HARDWARE		
HOWD	HARDWOOD		
HM	HOLLOW METAL		
HO	HOLD OPEN		
HORIZ	HORIZONTAL		
HT	HEIGHT		
HVAC	HEATING VENTILATING AND AIR CONDITIONING		
ID	INSIDE DIAMETER		
IN	INCH		
INCL	INCLUDE, INCLUDING		
INFO	INFORMATION		
INSUL	INSULATE, INSULATION		
INT	INTERIOR		
IWD	INDIRECT WASTE DRAIN		

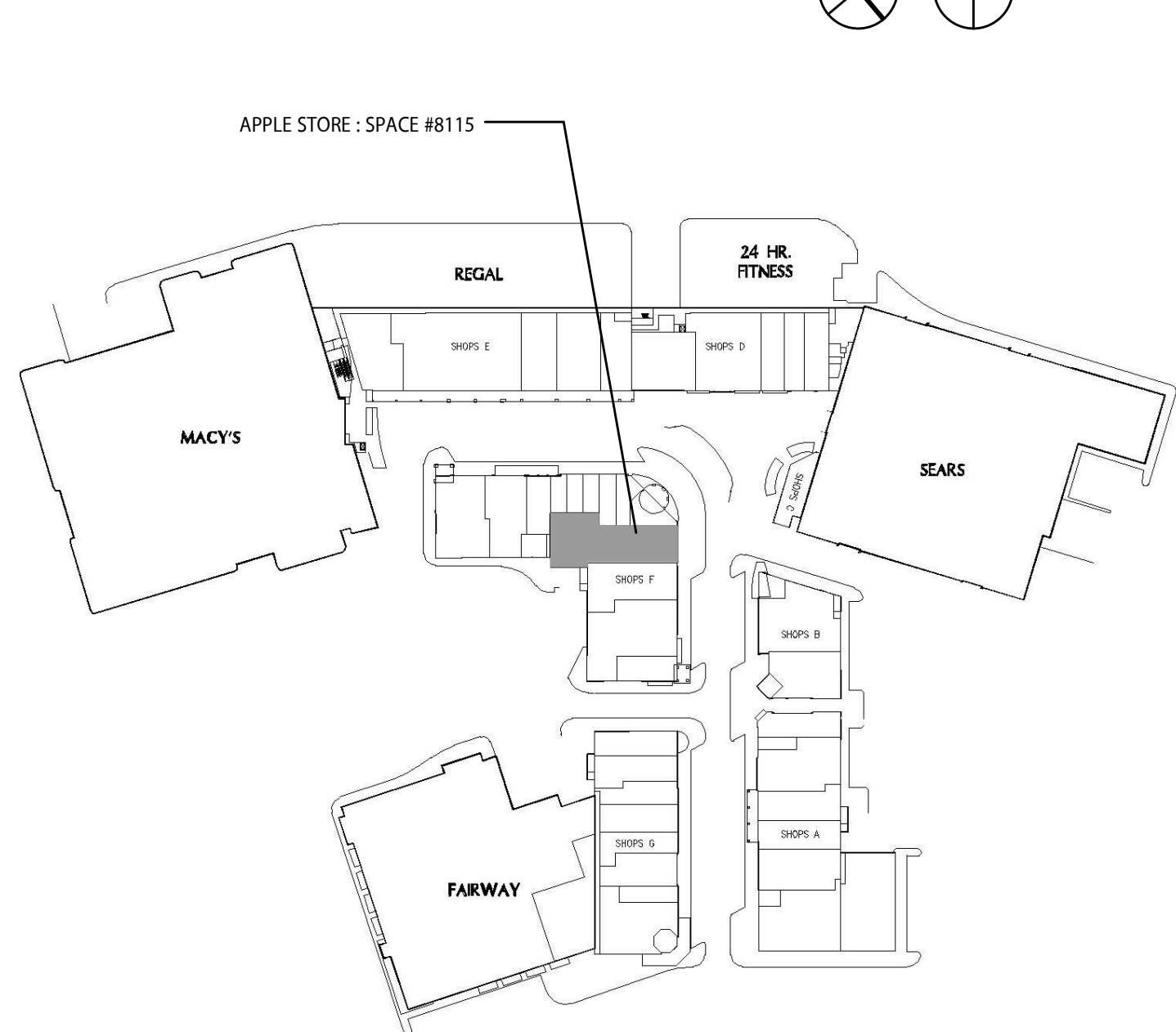
## REFERENCE SYMBOLS



## VICINITY MAP



## SITE MAP



## GENERAL NOTES

- DO NOT SCALE THE DRAWINGS.
- VERIFY FIELD CONDITIONS PRIOR TO COMMENCEMENT OF EACH PORTION OF THE WORK.
- THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. THE CONTRACTOR SHALL COORDINATE ALL PORTIONS OF THE WORK AS DESCRIBED IN THE CONTRACT DOCUMENTS. NOTIFY THE ARCHITECT FOR RESOLUTION OF ALL DISCREPANCIES PRIOR TO CONSTRUCTION.
- SEE SPECIFICATIONS FOR ADDITIONAL CRITERIA AND CONSTRUCTION REQUIREMENTS.
- DIMENSIONS SHOWN AS "W" SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD BY LAYING OUT THE PARTITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN DIMENSIONS PRIOR TO PROCEEDING WITH WORK.
- DIMENSIONS SHOWN AS "CLEAR OR 'HOLD'" SHALL BE MAINTAINED AND ALLOW FOR THICKNESS OF FINISHES, INCLUDING FLOOR FINISHES. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN DIMENSIONS PRIOR TO PROCEEDING WITH WORK.
- DIMENSIONS ARE TO THE GRIDLINES OR TO FINISH SURFACES, UNLESS OTHERWISE INDICATED.
- ELEVATIONS REFERENCED ARE ABOVE FINISH FLOOR FOR EACH ROOM THROUGHOUT TENANT SPACE, UNLESS OTHERWISE NOTED. FINISH FLOOR ELEVATIONS MAY VARY FROM ROOM TO ROOM DEPENDING UPON FLOOR FINISHES.
- UNLESS OTHERWISE INDICATED, DIAGONAL WALLS ARE AT A 45-DEGREE ANGLE TO THE PROJECT COLUMN GRIDS.
- THROUGHOUT THIS SET OF DRAWINGS, THE TERM "OWNER" REFERS TO THE CLIENT/TENANT. THE TERM "LANDLORD" REFERS TO THE PROPERTY OWNER. THE TERM "DM" REFERS TO THE OWNER'S REPRESENTATIVE DURING CONSTRUCTION.

## CODE INFORMATION

AUTHORITY HAVING JURISDICTION:		TOWN OF CLARKSTOWN
BUILDING CODE:	NEW YORK STATE BUILDING CODE ADOPTS IBC 2018	2020
ACCESSIBILITY CODE:	AMERICAN WITH DISABILITIES ACT	2010
ENERGY CODE:	NEW YORK STATE ECC CODE	2020
MECHANICAL CODE:	NEW YORK STATE MECHANICAL CODE	2020
PLUMBING CODE:	NEW YORK STATE PLUMBING CODE	2020
ELECTRICAL CODE:	NATIONAL ELECTRICAL CODE	2017
FIRE CODE:	NEW YORK STATE FIRE CODE	2020

## SCOPE OF WORK

REMODEL OF EXISTING TENANT RESTROOMS

## PROJECT INFORMATION

TOTAL LEASE AREA:	8205 SF
OCCUPANCY GROUP:	M
CONSTRUCTION TYPE:	II-B
OCCUPANT LOAD:	183 OCC
SPRINKLERED (YES/NO):	YES
FIRE ALARM (YES/NO):	YES
SEISMIC DESIGN CATEGORY:	C
WIND DESIGN SPEED/EXPOSURE/IF-FACTOR:	105 MPH/B/1.0

## WORK UNDER SEPARATE PERMIT

THE FOLLOWING ITEMS ARE TO BE ENGINEERED BY THE CONTRACTOR. ANY PERMIT REQUIRED IN ASSOCIATION FOR THIS WORK SHALL BE OBTAINED BY THE CONTRACTOR. ALL WORK IS TO CONFORM WITH THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS.

FIRE SPRINKLER SYSTEM

FIRE ALARM SYSTEM

## PROJECT DIRECTORY

CLIENT:	PROPERTY OWNER: (LANDLORD):
APPLE INC.	WS DEVELOPMENT
ONE APPLE PARK WAY	33 BOYLSTON STREET SUITE 3000
CUPERTINO, CA 95014	CHESTNUT HILL, MA 02467
PHONE: 925-766-6859	CONTACT: STEVE MASON
CONTACT: BRIAN CARLSON	EMAIL: steve.mason@wsdevelopment.com
EMAIL: brian_carlson@apple.com	
ARCHITECT:	
MBH ARCHITECTS	
960 ATLANTIC AVE	
ALAMEDA, CA 94501	
PHONE: 510-865-8663	
CONTACT: REZA ETEMAD	
EMAIL: rezae@mbharch.com	
MECHANICAL/PLUMBING/ELECTRICAL:	
TES ENGINEERING	
25760 FIRST STREET	
CLEVELAND, OH 44145	
PHONE: 440-871-2410	
CONTACT: STEVE CHASSE	
EMAIL: schasse@tesengineering.com	

## DRAWING INDEX

SHEET NO.	SHEET NAME	90% CD SET - 12/03/2021
A-001	GENERAL INFORMATION	●
A-011	EGRESS PLAN	●
AD-121	DEMOLITION PLAN	●
A-711	RESTROOM PLAN AND ELEVATIONS	●
A-712	RESTROOM DETAILS	●
A-713	REFLECTED CEILING PLAN	●
A-801	PARTITION TYPES & DETAILS	●
A-811	DOOR, FINISH & SIGNAGE LEGEND, DETAILS	●

SHEET NO.	SHEET NAME	90% CD SET - 12/03/2021
M-001	MECHANICAL GENERAL NOTES, SCHEDULES, SYMBOLS & HVAC AIRFLOW SCHEMATIC	●
M-161	RESTROOM MECHANICAL PLAN	●
P-001	PLUMBING GENERAL NOTES, SCHEDULES, DETAILS & SYMBOLS	●
P-140	BACKSTAGE - PLUMBING DEMOLITION PLAN	●
P-141	BACKSTAGE - PLUMBING PLAN	●
FP-161	BACKSTAGE - FIRE PROTECTION PLAN AND DETAIL	●
E-001	REFERENCE SYMBOLS, LUMINAIRE SCHEDULE & RESPONSIBILITY MATRIX	●
E-211	BACKSTAGE - ELECTRICAL PLAN	●
E-501	ELECTRICAL RSER DIAGRAM	●
E-511	LIGHTING CONTROL, PROGRAMMING	●

## RESPONSIBILITY MATRIX

CATEGORY	NO.	COMPONENT	FURNISH		INSTALL		REMARKS
			OWNER	CONTRACTOR	OWNER	CONTRACTOR	
GENERAL	1	DEMOLITION	●	●	●		
	2	TEMP UTILITIES/LIGHTING	●	●	●		
	3	LIGHTING	●	●	●	CONTRACTOR TO COORDINATE POWER	
	4	OCCUPANCY SENSORS, MOTION SENSORS & LIGHTING CONTROLS	●	●	●	INCLUDING WIRING AND CONNECTIONS	
	5	ROUGH-IN & CONNECTION OF ALL MECHANICAL	●	●	●		
	6	ROUGH IN, STUB-UP AND CONNECTION OF ALL PLUMBING FIXTURES	●	●	●		
	7	RESTROOM LAVATORY, TOILET & FIXTURES	●	●	●	INCLUDING BACKING, MOUNTING AND CONNECTIONS	
	8	JANITOR'S MOP SINK, FAUCET, HOSE & BRACKET	●	●	●		
	9	DOORS & HARDWARE	●	●	●		
	10	CEILING GYPSUM, T-BAR & TILE	●	●	●		
	11	PAINT, WAINSCOT & WALL BASE	●	●	●		
	12	SIGNAGE	●	●	●		

Apple Inc.  
One Apple Park Way  
Cupertino, CA  
95014

Architect:

www.mbharch.com

Engineer:  
TES Engineering  
www.tesengineering.com

Apple Store  
NANUET  
Nanuet, NY

Project Number: XXXXXXXXXX

This set originated using  
Apple Imperial Bulletin 9  
Dated 04/16/2021  
Printed Full (30"x42"), Half (15"x21")

Issued/Revised Date  
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GENERAL INFORMATION

A-001





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Cupertino, CA  
95014

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www.mbharch.com

Consultant:

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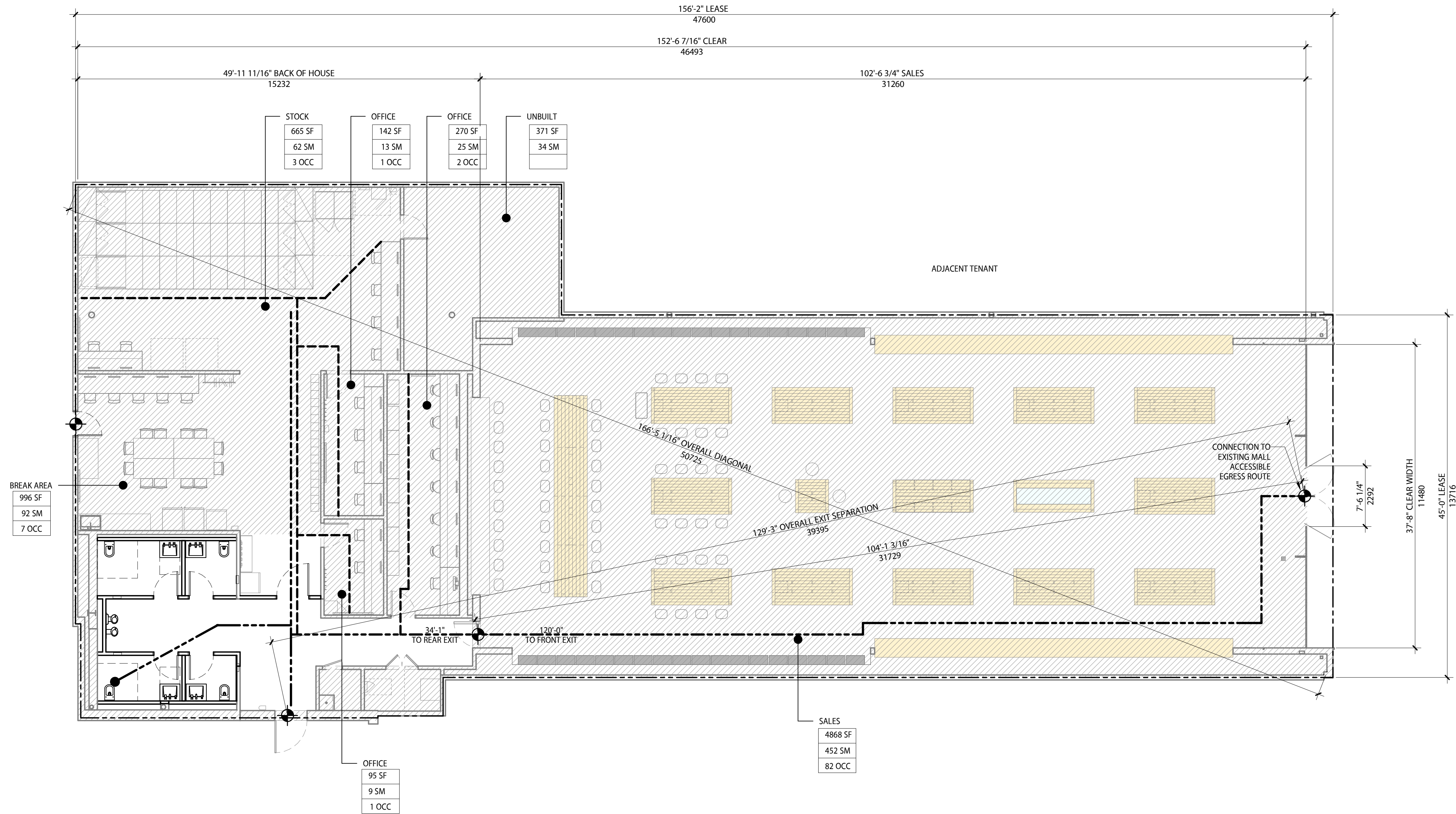
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EGRESS PLAN

A-011



1 EGRESS PLAN  
1/8" = 1'-0"

### OCCUPANT CALCULATIONS MAIN STORE

OCCUPANT LOAD FACTOR PER IBC 2018			
SPACE	OCCUPANT LOAD FACTOR	AREA	OCCUPANTS
SALES	60 SF / OCC	4868 SF 452 SM	82
OFFICES	150 SF / OCC	1503 SF 140 SM	11
STOCK	300 SF / OCC	665 SF 62 SM	3
ACCESSORY	--	798 SF 74 SM	--
UNBUILT	--	371 SF 34 SM	--
TOTAL OCCUPANT LOAD	--	8205 SF 762 SM	96

### EGRESS CALCULATIONS

EXITING		
NUMBER OF EXITS REQUIRED OCCUPANT LOAD ÷ 49 OR COMMON PATH OF TRAVEL > 75'-0" [22.9m]	2	PER NEW YORK STATE BUILDING CODE 1019.2
NUMBER OF EXITS PROVIDED	2	
MINIMUM EXIT WIDTH (INCHES) = EXIT WIDTH FACTOR (0.2) X OCCUPANT LOAD	27 5/16"	PER NEW YORK STATE BUILDING CODE 1005.1
MINIMUM EXIT WIDTH REQUIRED	32" [812 mm]	PER NEW YORK STATE BUILDING CODE 1008.1
EXIT WIDTH PROVIDED	129 1/2" [3289 mm]	
EXIT SEPARATION		
MINIMUM DISTANCE REQUIRED (W/SPRINKLERS) 1/3 MAX OVERALL DIAGONAL BETWEEN EXITS (PROVIDED)	55'-5 1/2" [13882mm] 129'-1" [39344mm]	PER NEW YORK STATE BUILDING CODE 10152.1
TRAVEL DISTANCE		
MAXIMUM ALLOWED (W/SPRINKLERS)	250'-0" [76200 mm]	PER NEW YORK STATE BUILDING CODE 1016.1
MAXIMUM PROVIDED	74'-1" [22580 mm]	
BACKSTAGE COMMON PATH OF EGRESS TRAVEL		
MAXIMUM ALLOWED (W/SPRINKLERS)	75'-0" [22860 mm]	PER NEW YORK STATE BUILDING CODE 2014.1014.3
MAXIMUM PROVIDED	64'-8" [19710 mm]	

### PLUMBING CALCULATIONS

PLUMBING CALCULATIONS PER INTERNATIONAL PLUMBING CODE 2018

FIXTURE	REQUIRED		PROVIDED			
	WOMEN	MEN	WOMEN	MEN	UNISEX	TOTAL
LAVATORY	1	1	0	0	4	4
WATER CLOSET	1	1	0	0	4	4
URINAL		0	0	0	0	0
DRINKING FOUNTAIN	1	0	0	0	1	1
MOP SINK			0	0	1	1

### SHEET NOTES

- ACCESSIBLE ROUTE OF TRAVEL SLOPES NOT TO EXCEED  
RUNNING SLOPE OF 1:20 (5.0%), MAX CROSS SLOPE OF  
1:50 (2.0%) MAX. NOTIFY ARCHITECT OF ANY  
DISCREPANCIES.
- LANDLORD TO PROVIDE COMPLIANT CONTINUATION OF  
ACCESSIBLE EGRESS ROUTE OF TRAVEL BEYOND LEASE  
LINE. REFER TO SHEET A-001 MALL MAP FOR MALL EXIT  
CONFIGURATION.
- PROVIDE FIRE EXTINGUISHERS PER SPECIFICATIONS.  
EXACT QUANTITY AND LOCATION TO BE COORDINATED  
WITH THE FIRE MARSHAL AND APPLE DEVELOPMENT  
MANAGER ON SITE. VERIFY WITH LOCAL JURISDICTION  
AND PROVIDE LOCATION MARKERS AS REQUIRED.
- PORTABLE ELECTRONIC PAYMENT SYSTEM ALLOWS  
TRANSACTIONS TO OCCUR THROUGHOUT THE STORE  
VIA HAND HELD DEVICES UTILIZED BY EMPLOYEES. THIS  
ALLOWS TRANSACTIONS TO OCCUR AT LOCATIONS  
CONVENIENT TO EACH CUSTOMER'S NEEDS.

### SYMBOLS

	PATH OF TRAVEL DIMENSION POINT
	SECURE DOOR
	AREA OF NO WORK
	COMMON PATH OF EGRESS TRAVEL
	ACCESSIBLE ROUTE OF EGRESS
	LEASELINE
	1 HR FIRE RATED
	2 HR FIRE RATED
	3 HR FIRE RATED
	4 HR FIRE RATED





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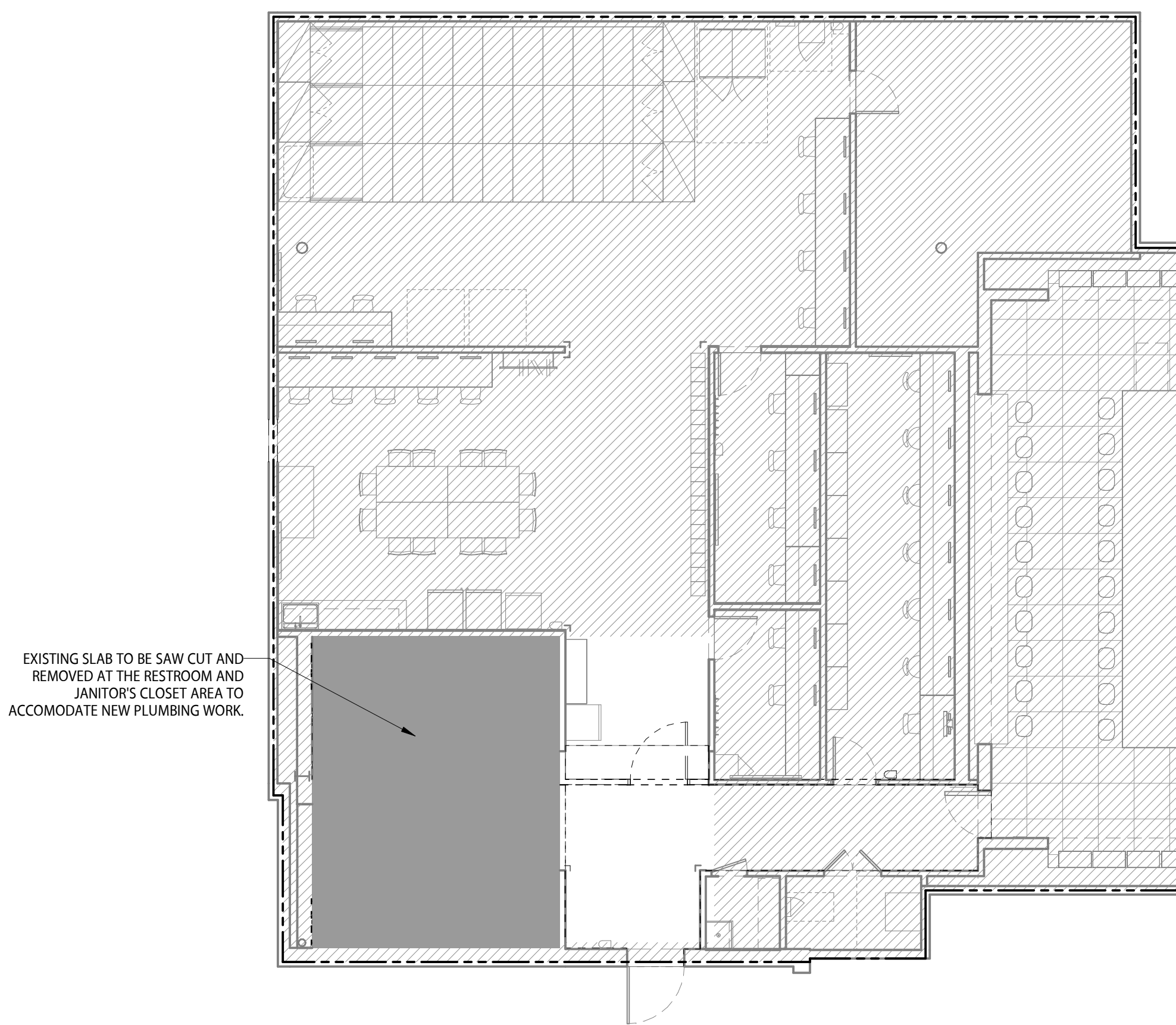
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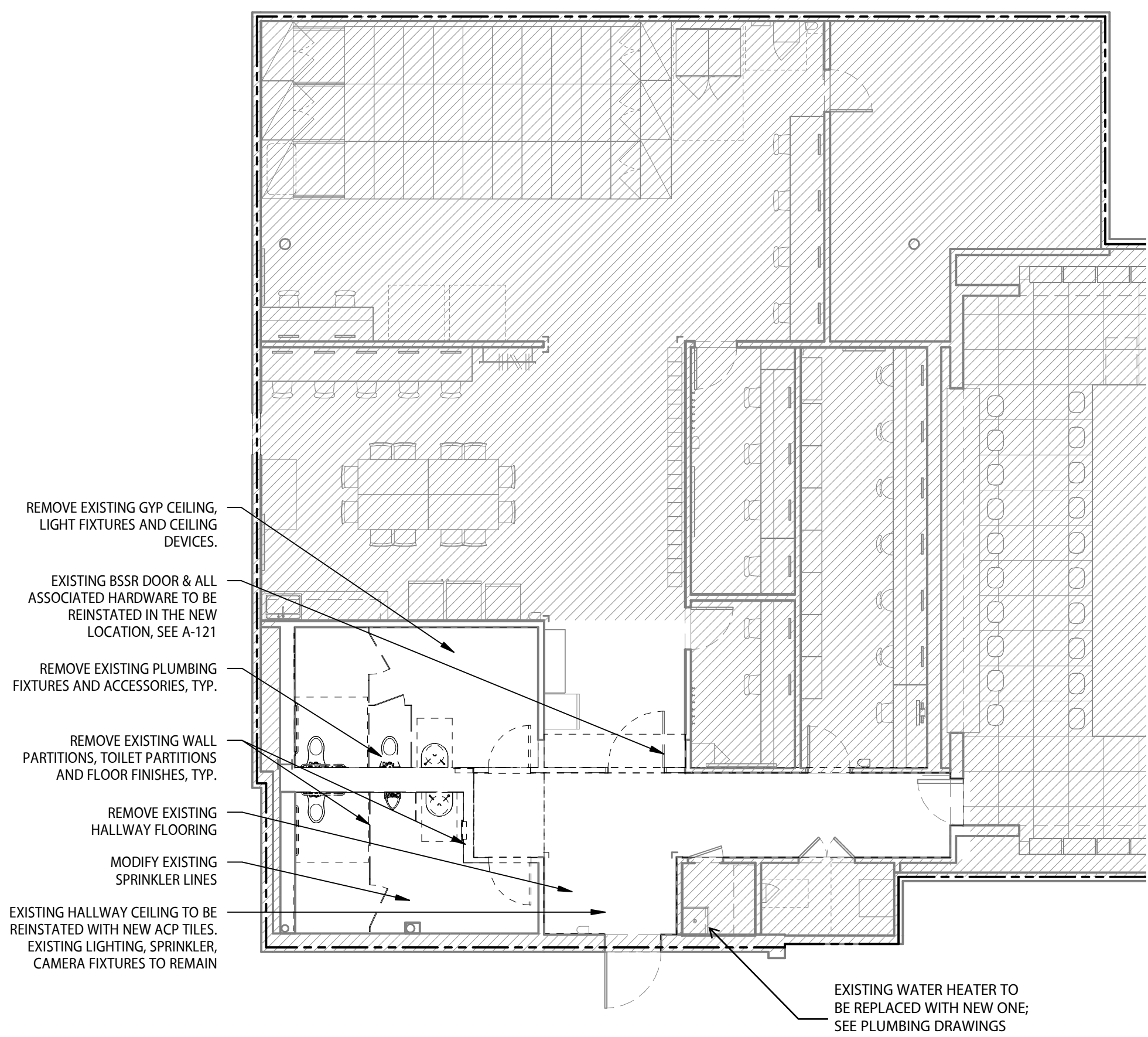
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DEMOLITION PLAN

AD-121



2 SLAB DEMOLITION PLAN  
1/8" = 1'-0"



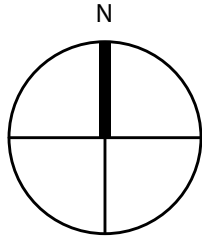
1 DEMOLITION PLAN  
1/8" = 1'-0"

SHEET NOTES

- SEE SHEET A-001 FOR RESPONSIBILITY REQUIREMENTS.
- VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- DO NOT DEMOLISH ANY LOAD BEARING WALLS OR CONSTRUCTION THAT WILL COMPROMISE THE STRUCTURAL INTEGRITY OF THE STRUCTURE. NOTIFY ARCHITECT OF ANY STRUCTURAL ISSUES ARISING FROM DEMOLITION.
- MAINTAIN EXISTING ADJACENT FIRE RATING FOR ALL PENETRATIONS THROUGH EXISTING FIRE RATED ASSEMBLIES.
- WHERE DEMOLITION OCCURS ADJACENT TO EXISTING TO REMAIN, PATCH AND REPAIR ADJACENT CONDITIONS TO A UNIFORM APPEARANCE.
- PROTECT EXISTING FINISHES THAT WILL REMAIN.
- DO NOT DISTURB AND/OR DISRUPT EXISTING BUILDING SERVICES THAT PASS THROUGH TENANT SPACE UNLESS COORDINATED WITH LANDLORD.
- DEMOLITION INCLUDES TRENCHING, SAW CUTTING, AND CORING OF SLAB FOR PLUMBING & ELECTRICAL WORK. COORDINATE WITH PLUMBING & ELECTRICAL DRAWINGS. X-RAY SLAB PRIOR TO TRENCHING, SAW CUTTING OR CORING OF SLAB TO VERIFY STRUCTURAL INTEGRITY OF SLAB IS MAINTAINED.
- REMOVE ALL EXISTING ABANDONED PLUMBING FIXTURES AND CAP EXISTING PLUMBING LINES THROUGHOUT PER PLUMBING CODE REQUIREMENTS.

SYMBOLS

- AREA OF NO WORK
- EXISTING TO BE DEMOLISHED
- EXISTING TO REMAIN
- LEASELINE

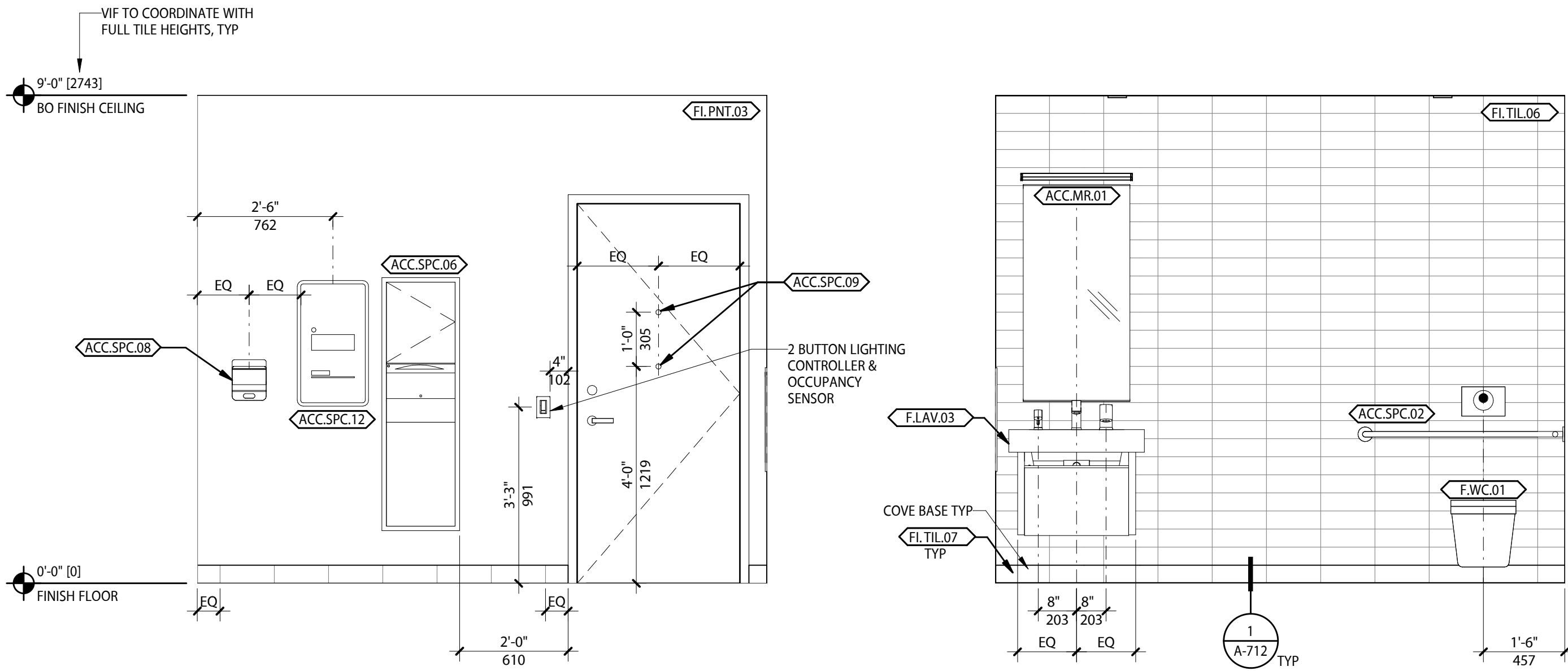




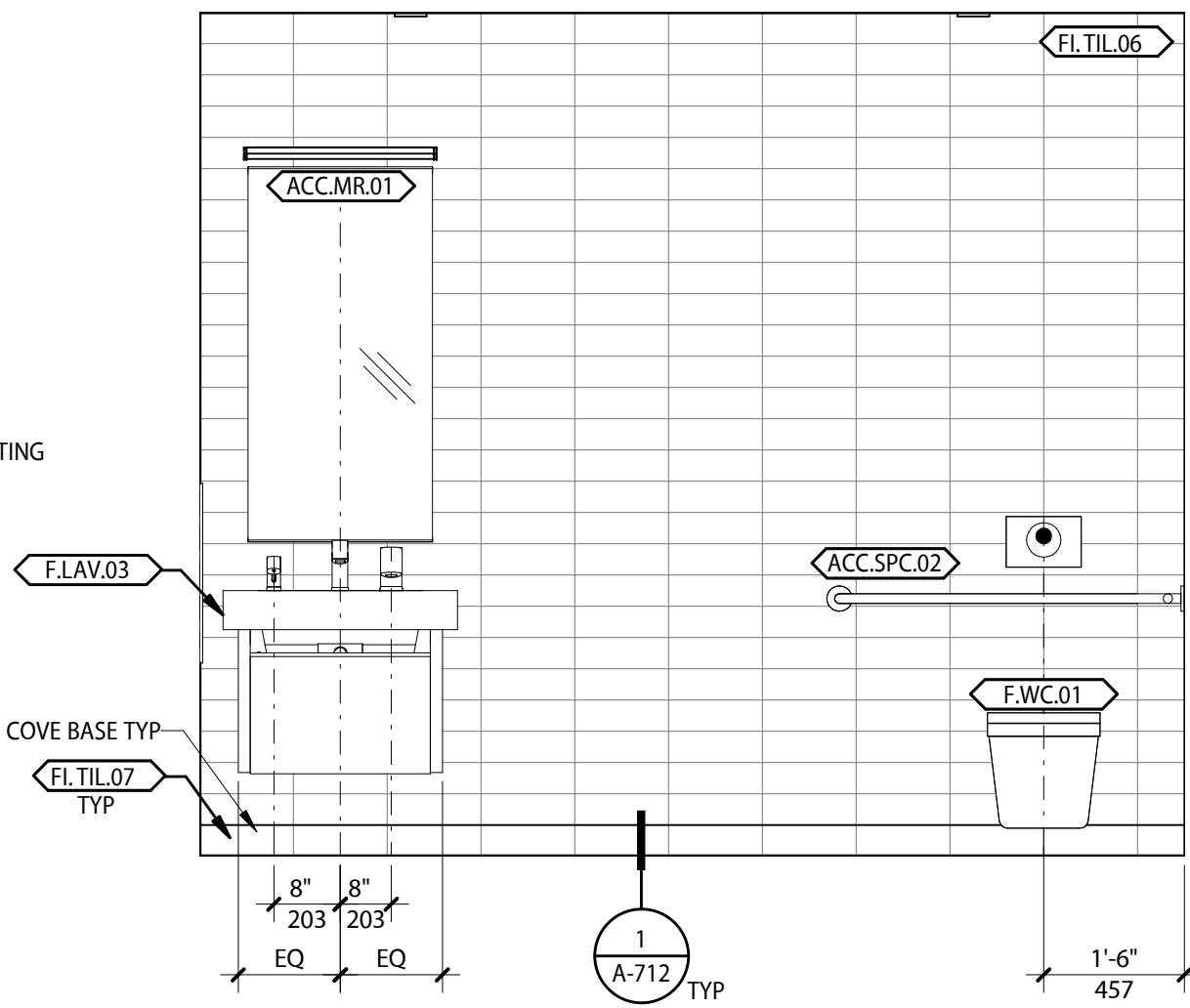


OWNER PRODUCT CODE	IDENTIFIER	DESCRIPTION	MANUFACTURER	PRODUCT	TOTAL QTY	REMARKS
A.ACC.MR.01		MIRROR	PROVIDED BY GC	SEE SPECIFICATIONS SECTION 088323	4	
A.ACC.SPC.01		VERTICAL GRAB BAR	BOBRICK	B-5806 x18	2	
A.ACC.SPC.02		L-SHAPED GRAB BAR	BOBRICK	B-5807	2	
A.ACC.SPC.04		TOILET PAPER DISPENSER/SEAT COVER DISPENSER/SANITARY PRODUCT DISPOSAL	BOBRICK	B-3574 or B-3574S, DEPENDING ON WATER CLOSET ORIENTATION	4	
A.ACC.SPC.06		PAPER TOWEL DISPENSER/WASTE RECEPTACLE	BOBRICK	B-3944	4	
A.ACC.SPC.07		CHANGING TABLE	KOALA KARE	KB110-SSRE	2	
A.ACC.SPC.08		MOBILE DEVICE HOLDER	BOBRICK	B-635 KLUTCH	4	
A.ACC.SPC.09		COAT HOOK	SUGATSUNE	DSH-129 SATIN STAINLESS STEEL	6	
A.ACC.SPC.12		SANITARY PRODUCT DISPENSER	AUNTFLOW	AFL-0396-A	4	GC RESPONSIBLE FOR FIRST ROUND OF SUPPLIES

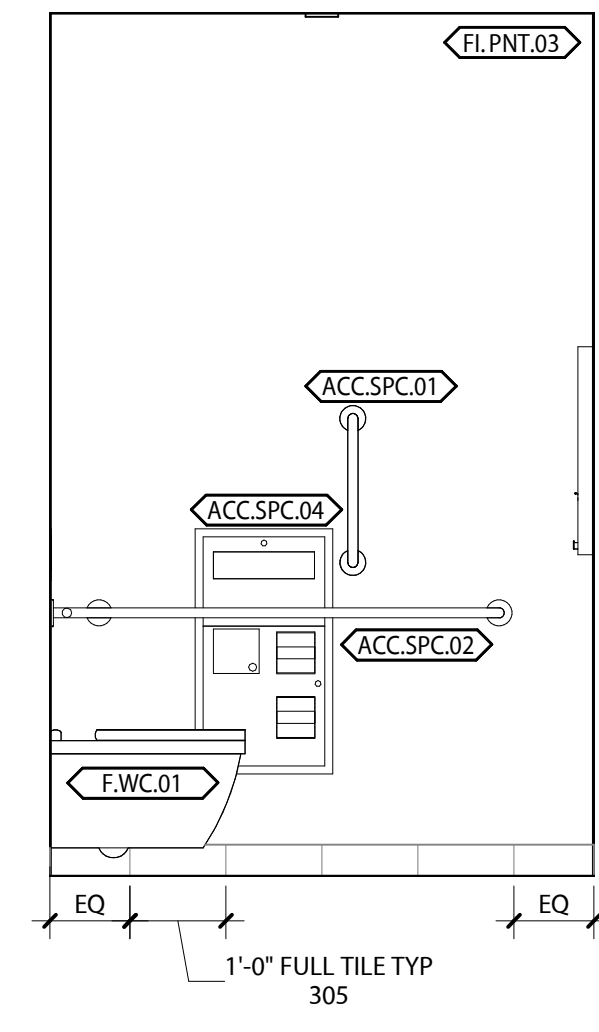
ROOM	FLOOR	BASE	WALL	CEILING
HALLWAY	VCT-1	A.FLWB.01	A.WNS.01, A.FLPNT.01	A.FLCLG.05
HALLWAY (E)	VCT-1	A.FLWB.01	A.WNS.01, A.FLPNT.01	A.FLCLG.05
RESTROOM	A.FISE.02	A.FLTIL.07	A.FLTIL.06, A.FLPNT.03	A.FLPNT.03
RESTROOM ACC	A.FISE.02	A.FLTIL.07	A.FLTIL.06, A.FLPNT.03	A.FLPNT.03



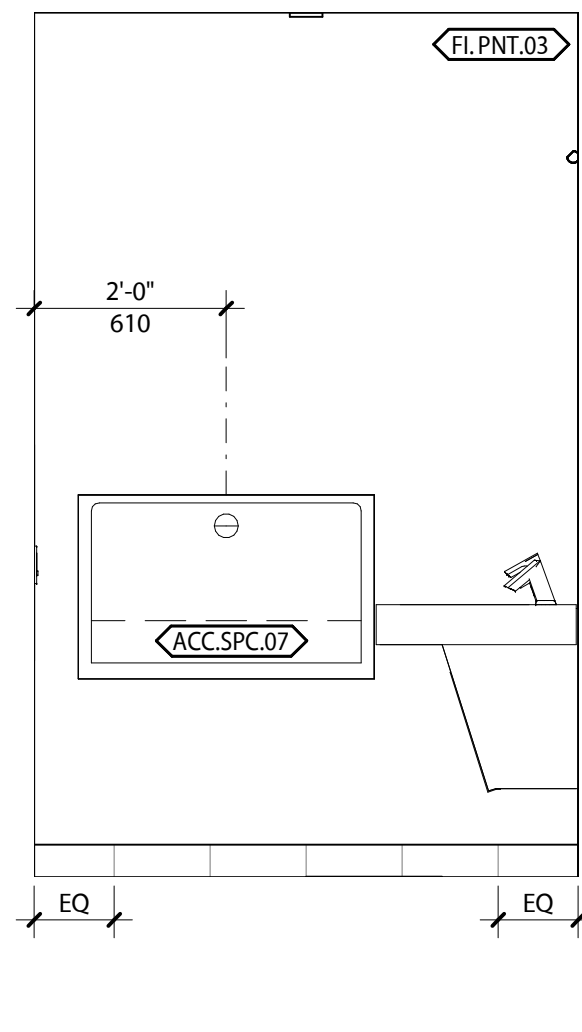
9 ACCESSIBLE RESTROOM - NORTH  
1/2" = 1'-0"



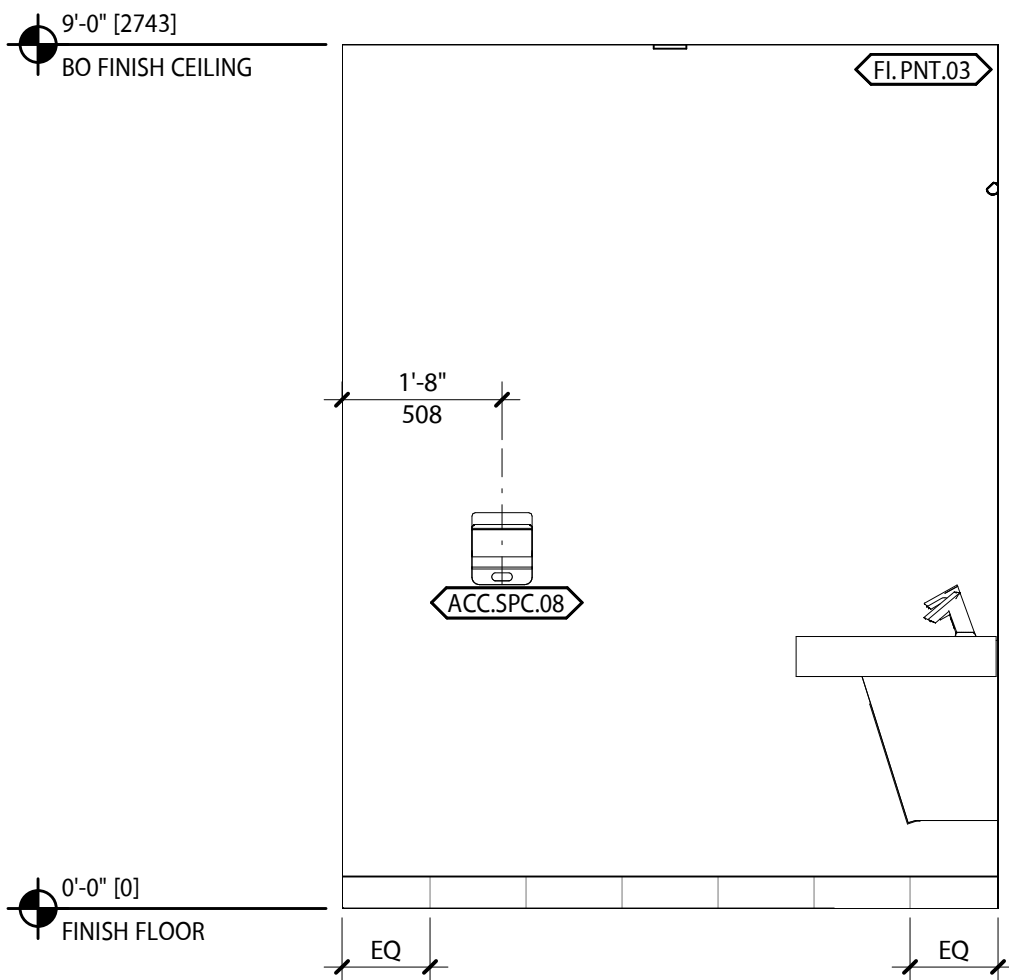
8 ACCESSIBLE RESTROOM - SOUTH  
1/2" = 1'-0"



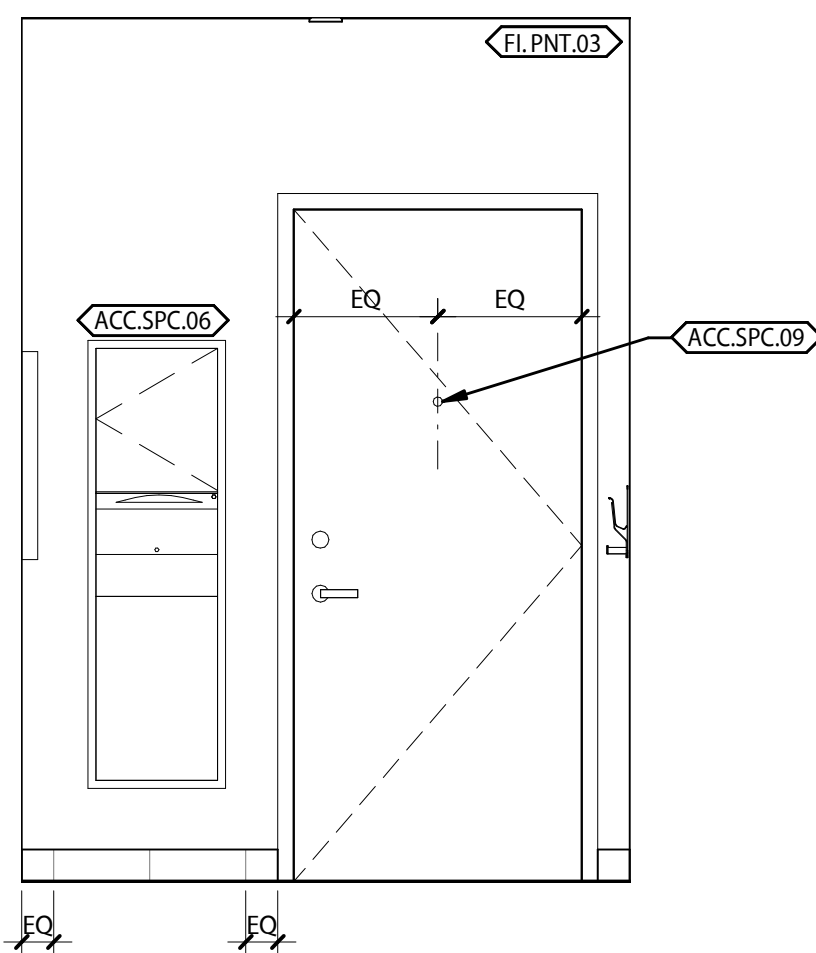
7 ACCESSIBLE RESTROOM - WEST  
1/2" = 1'-0"



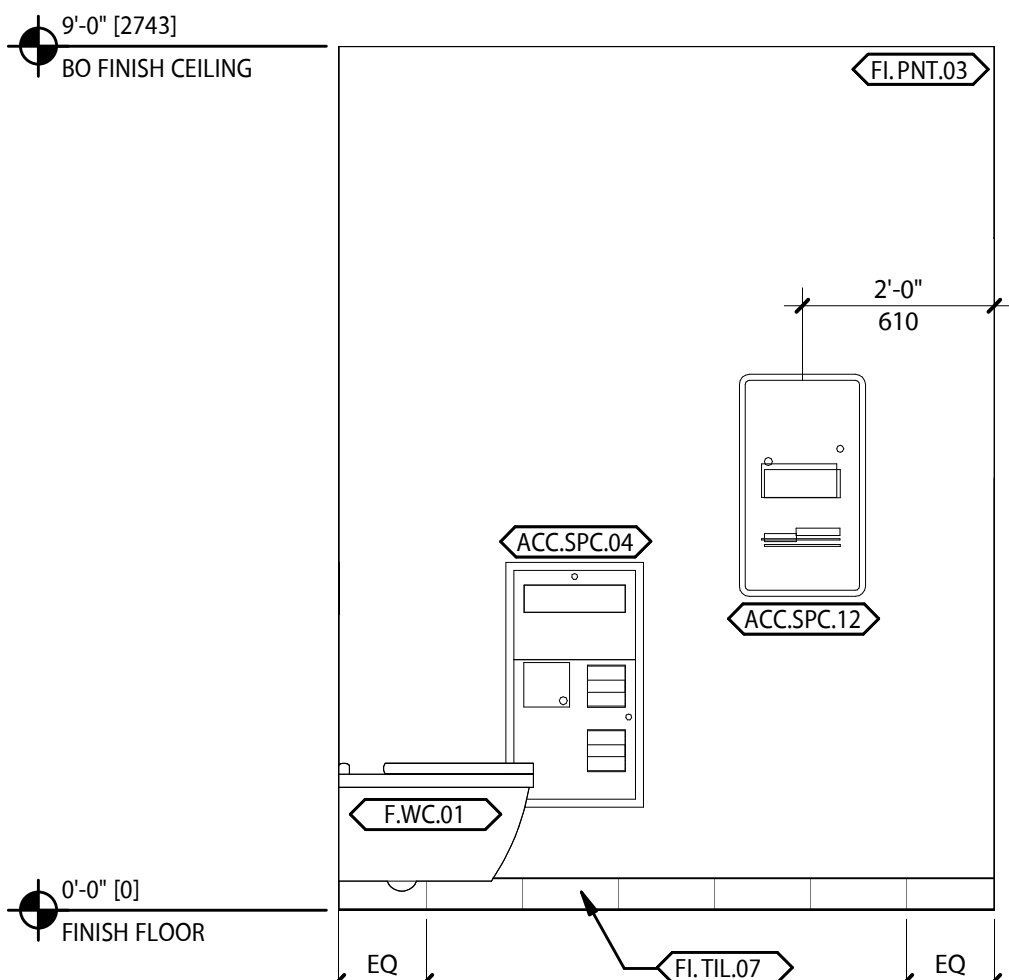
6 ACCESSIBLE RESTROOM - EAST  
1/2" = 1'-0"



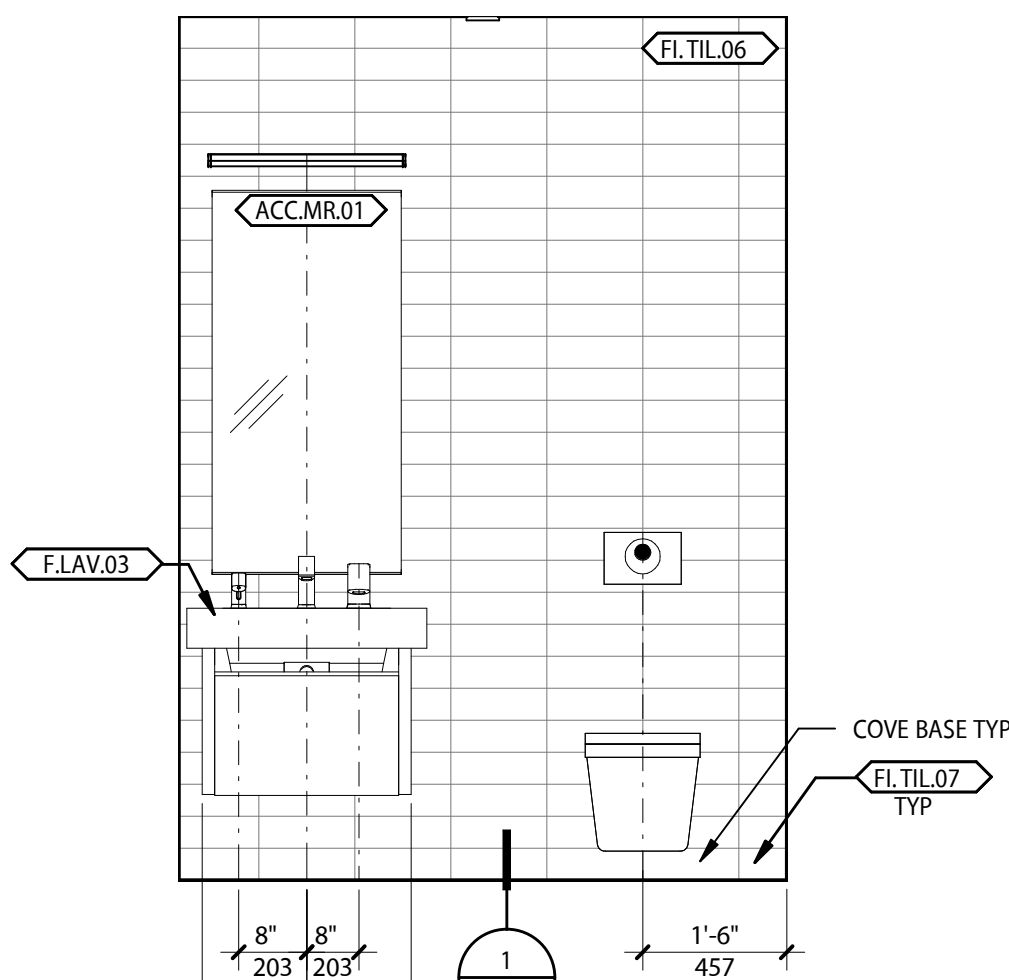
5 RESTROOM - WEST  
1/2" = 1'-0"



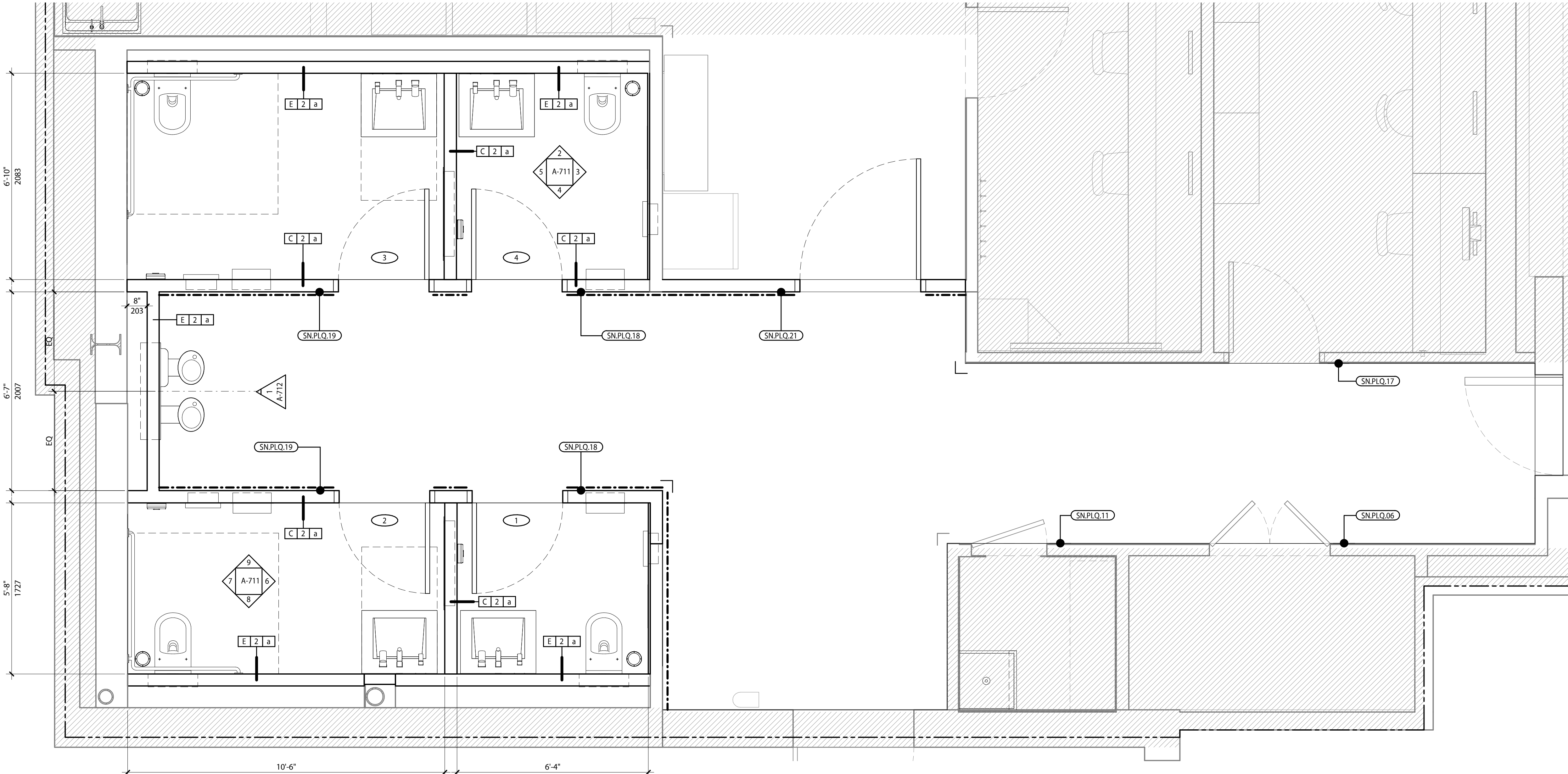
4 RESTROOM - SOUTH  
1/2" = 1'-0"



3 RESTROOM - EAST  
1/2" = 1'-0"



2 RESTROOM - NORTH  
1/2" = 1'-0"



1 RESTROOM PLAN  
1/2" = 1'-0"

Apple Inc.  
One Apple Park Way  
Cupertino, CA  
95014

Architect:  
www.mbharch.com

Consultant:  
TES Engineering  
www.tesengineering.com

Apple Store  
NANUET  
Nanuet, NY

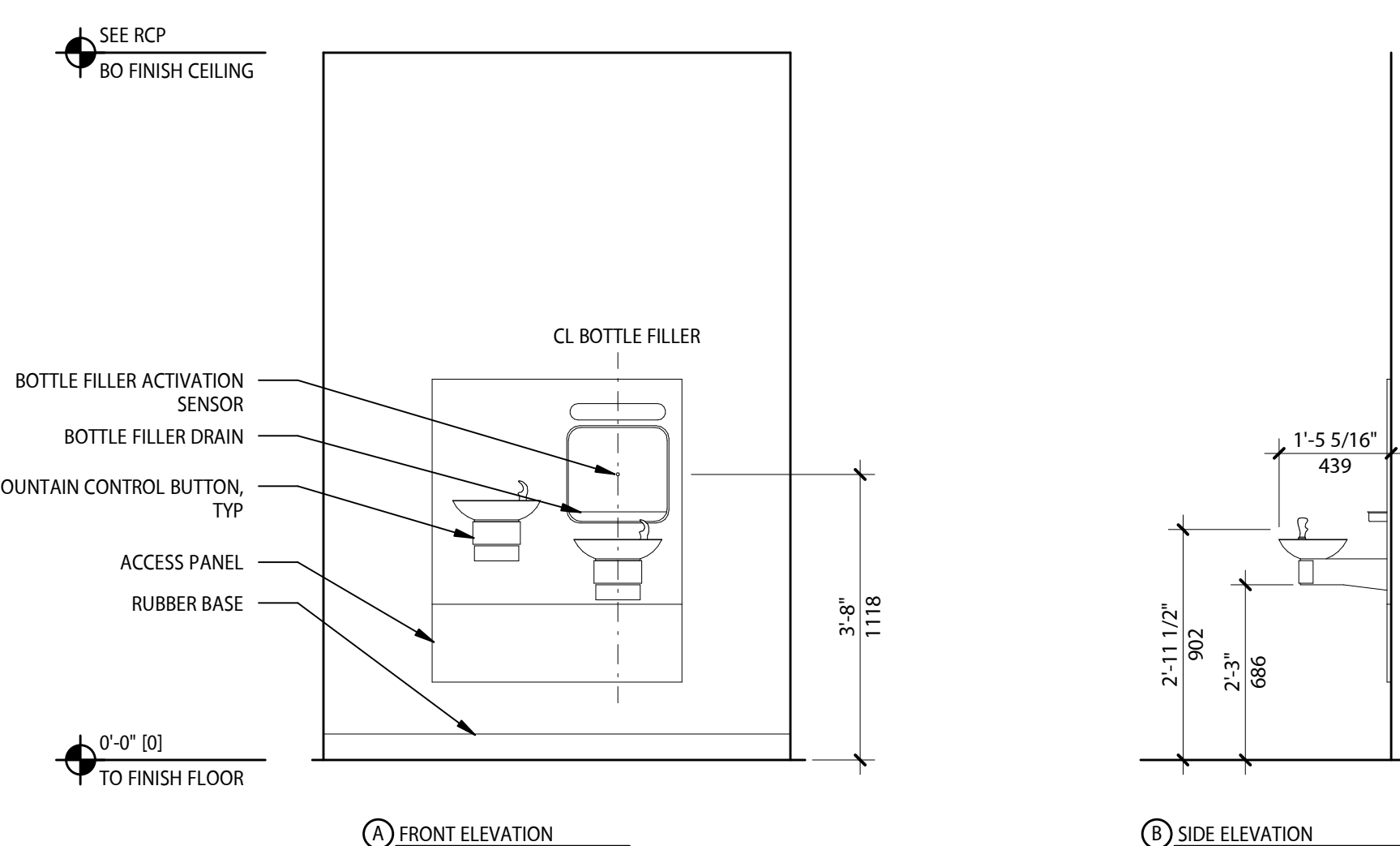
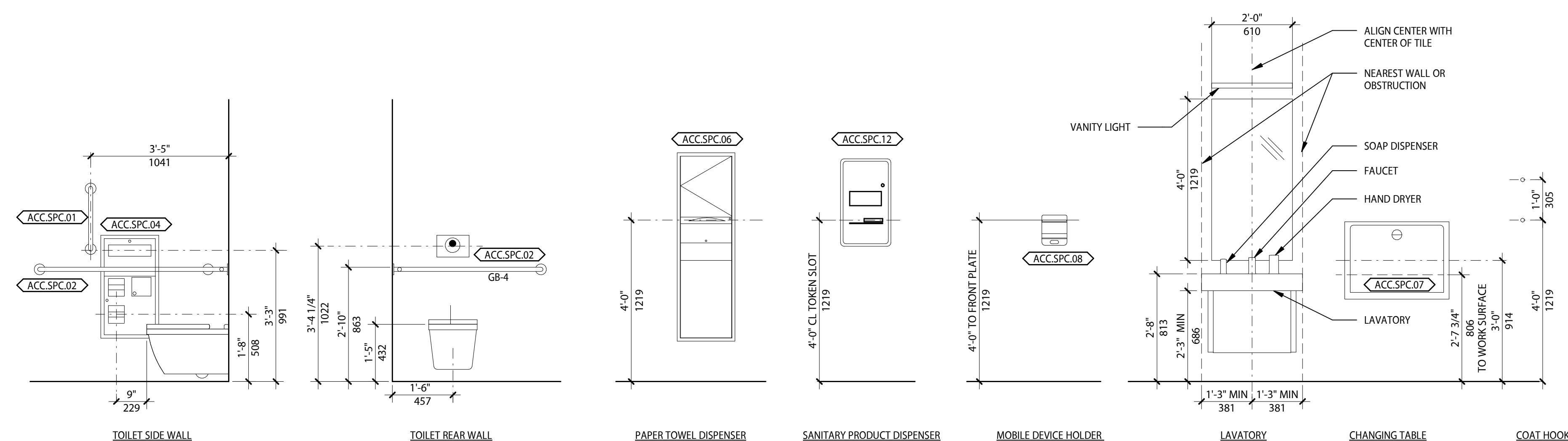
Project Number: XXXXXXXXXX

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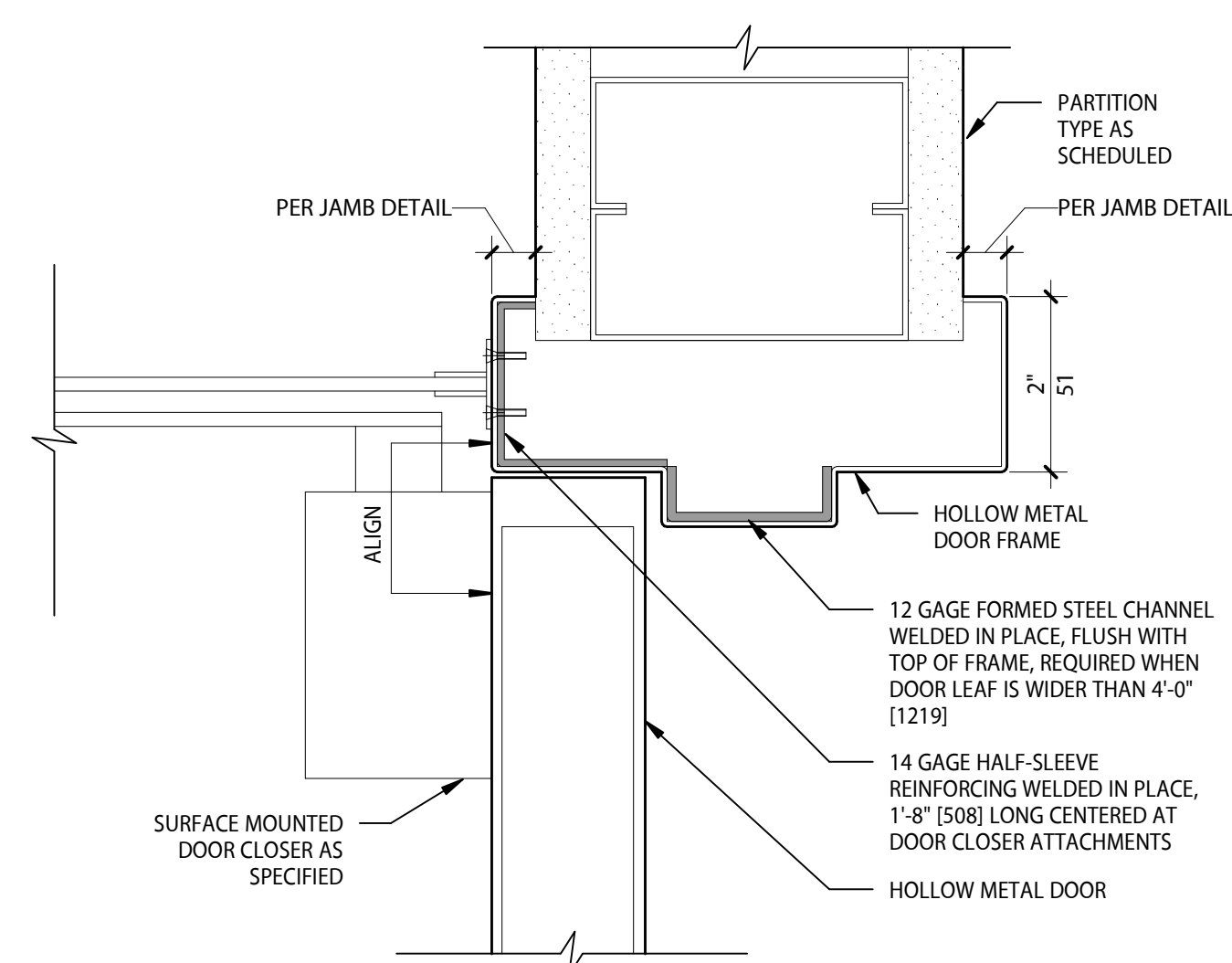
Issued/Revised Date  
90% CD SET 12/03/21

RESTROOM PLAN AND  
ELEVATIONS

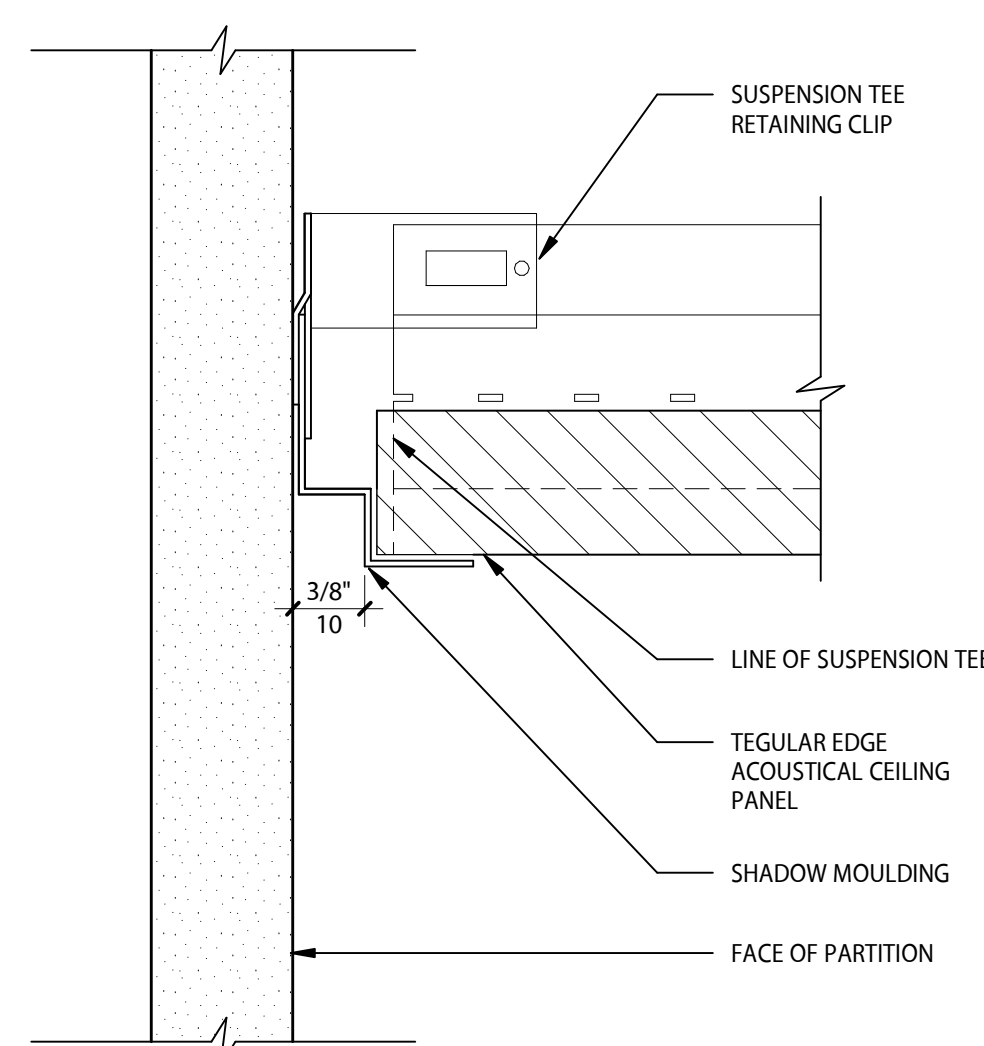
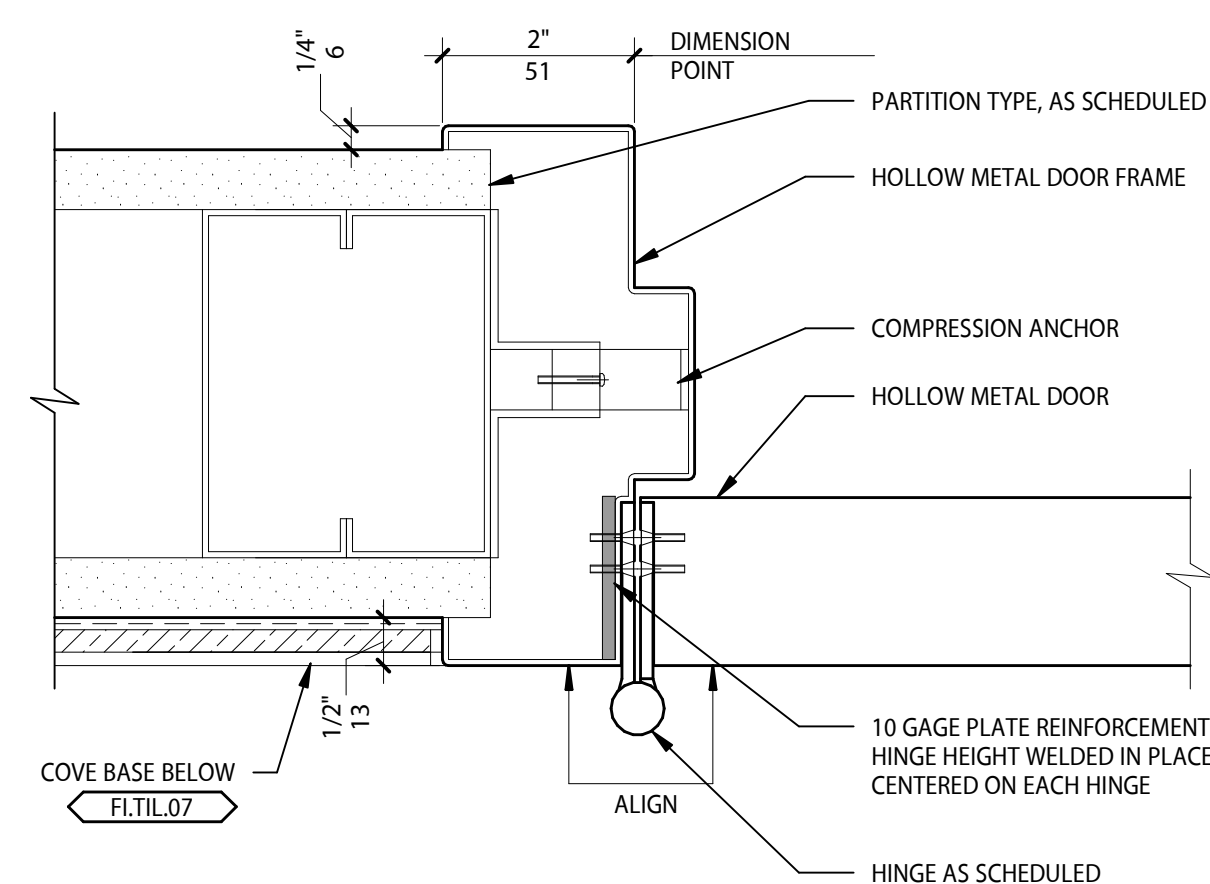




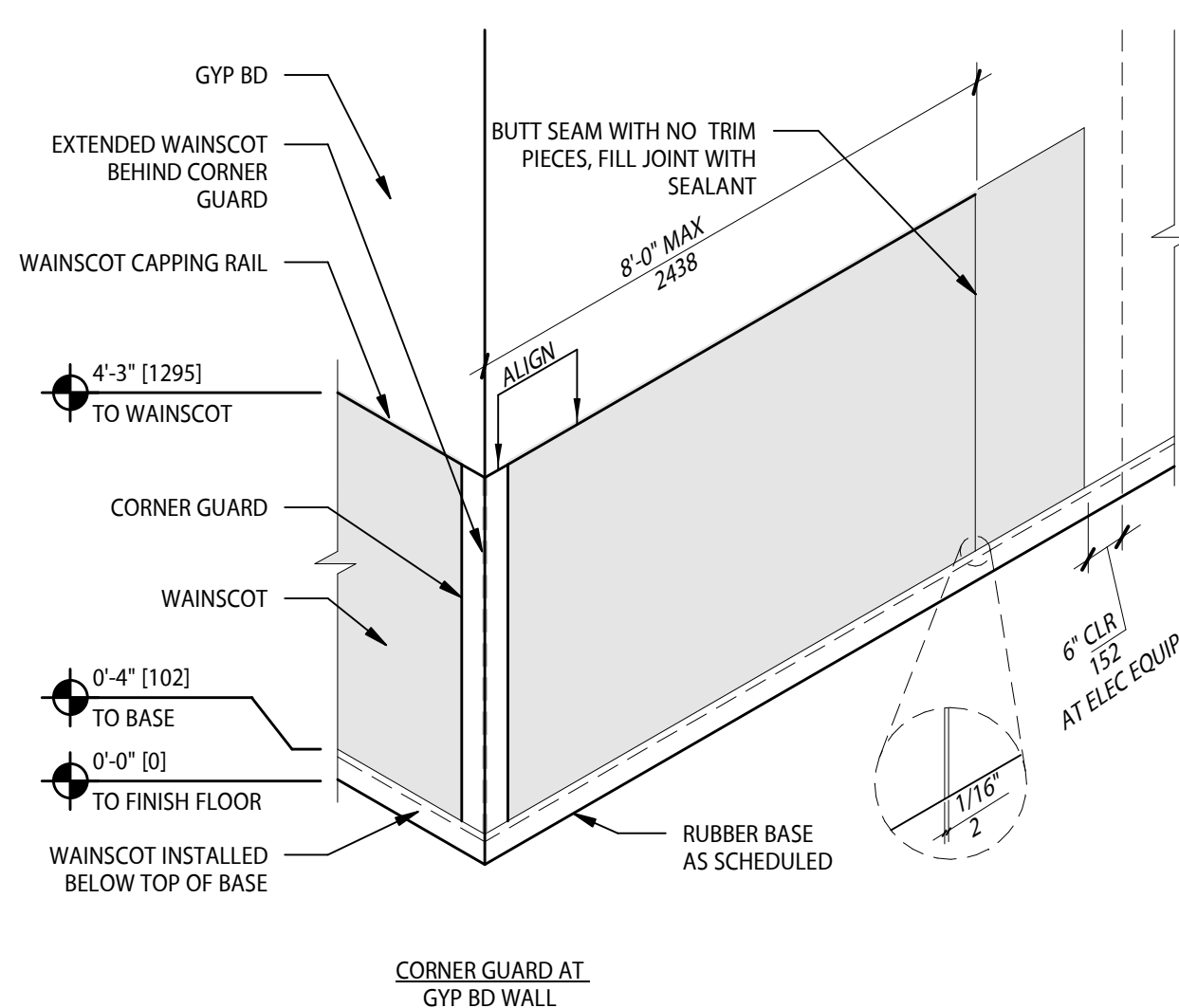
(20)  $1/2^\circ = 1'-0''$



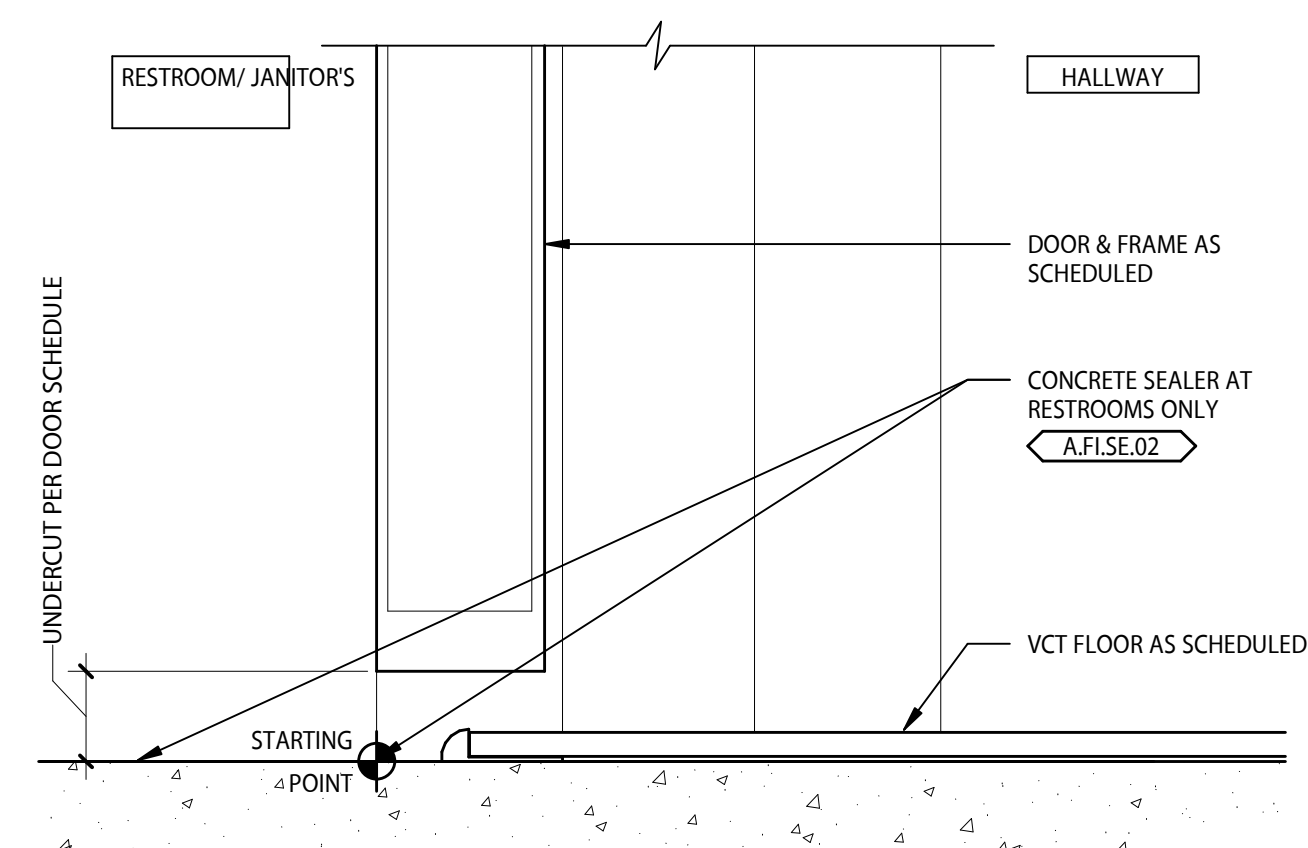
(15)  $6'' = 1'-0''$



NOT TO SCALE

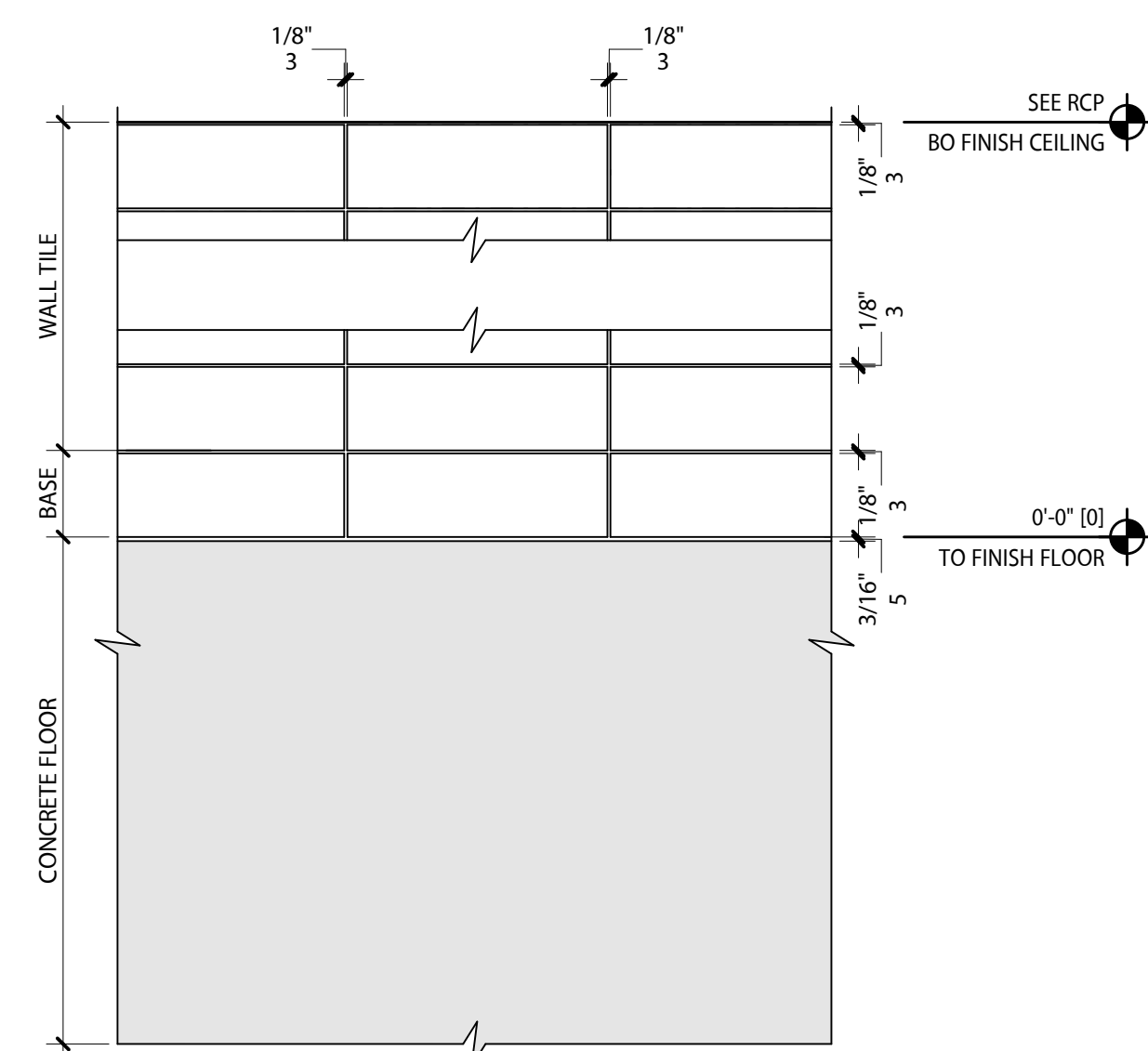


(10)  $\epsilon^0 = 1.0^8$

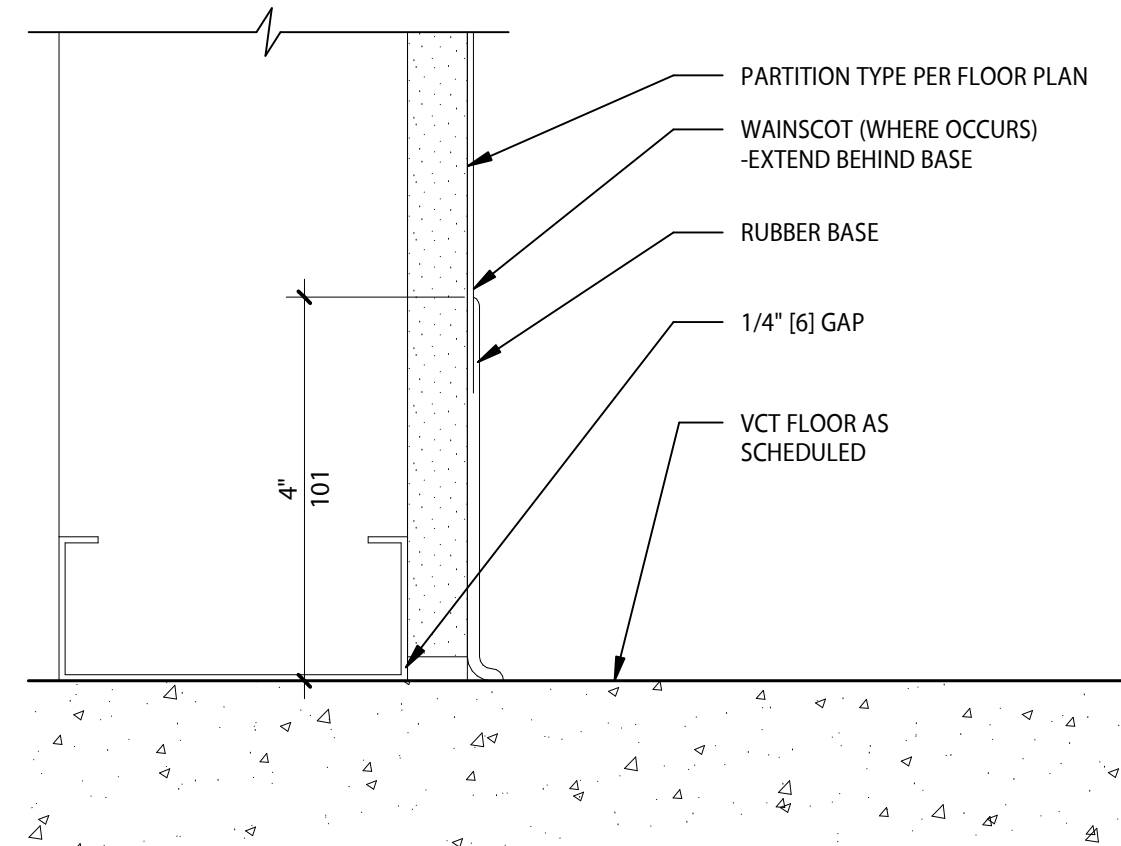
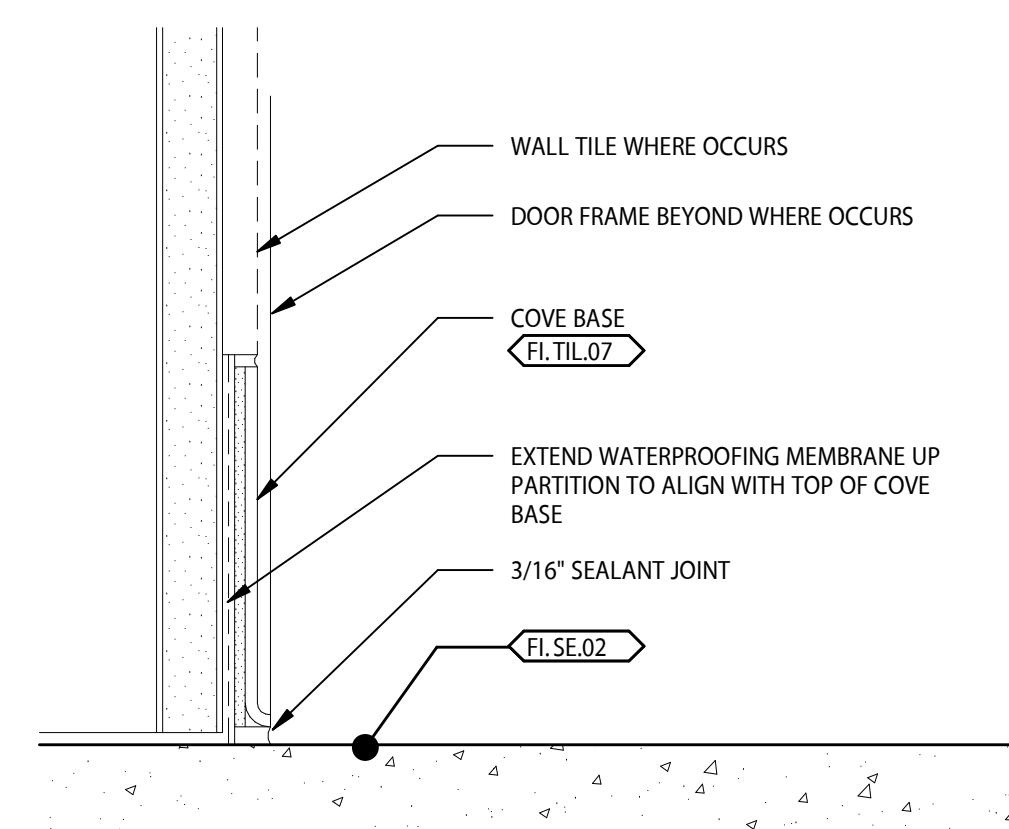


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141



(5)  $6'' = 1'-0''$

 $6^{\circ} = 1.0^{\circ}$  $6'' = 1' : 0''$ 

A-712





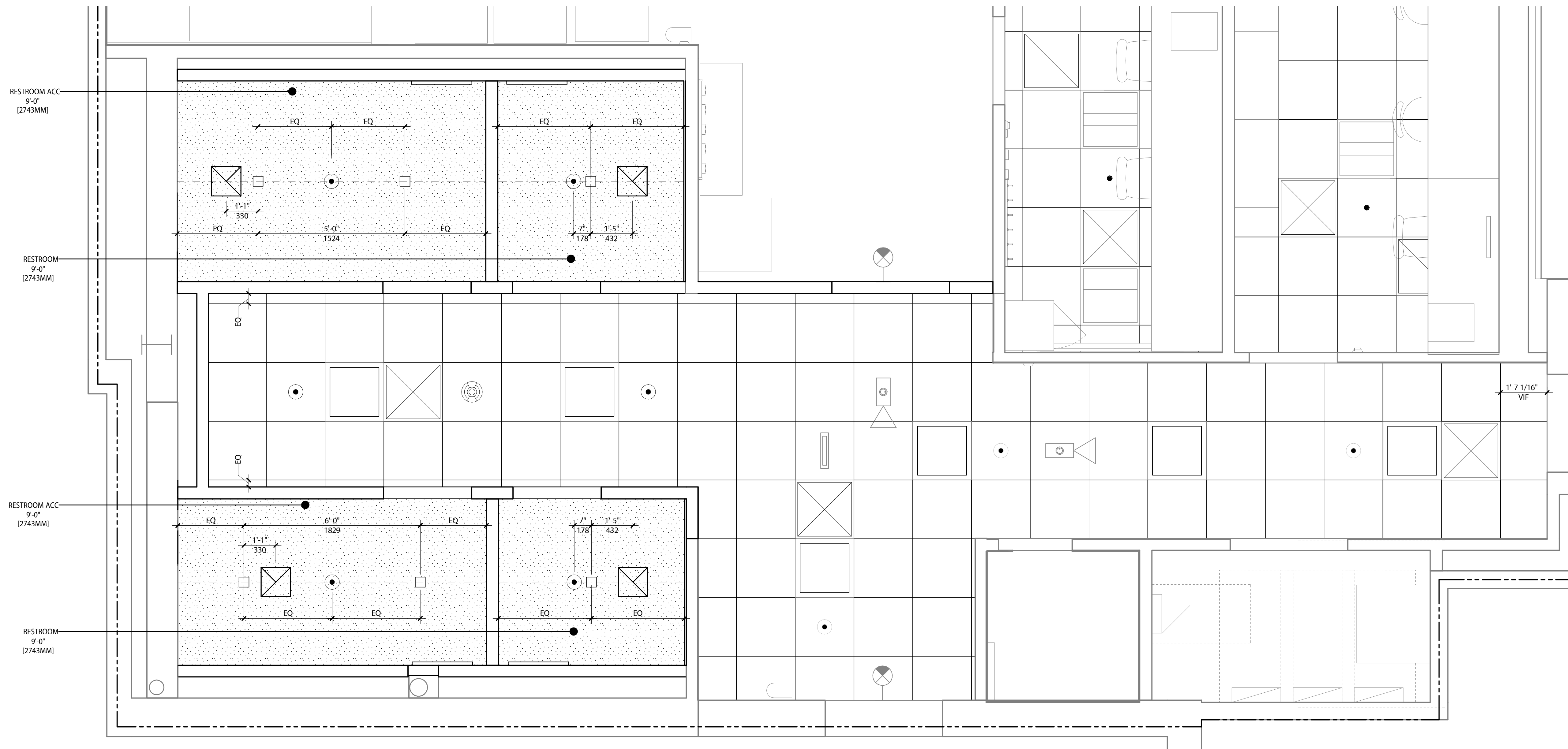
Apple Inc.  
One Apple Park Way  
Cupertino, CA  
95014

Architect:

www.mbarch.com

Consultant:

TES Engineering  
www.tesengineering.com



1 REFLECTED CEILING PLAN  
1/2" = 1'-0"

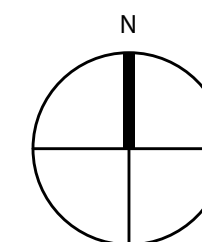
#### SHEET NOTES

1. VERIFY FIELD CONDITIONS AND LOCATIONS OF ALL STRUCTURAL ELEMENTS, MECHANICAL DUCTWORK, PLUMBING PIPING, ELECTRICAL CONDUITS AND OTHER APPLICABLE ITEMS. MAINTAIN DESIGN HEIGHTS AND CLEARANCES. NOTIFY ARCHITECT AND OWNER DM OF ANY DISCREPANCIES OR OTHER CONFLICTS IN CEILING LAYOUT PRIOR TO CONSTRUCTION.
2. LOCATE FIXTURES AND CEILING DEVICES DIMENSIONED AND IDENTIFIED ON THIS PLAN. DIMENSIONS FOR ELEMENTS SHOWN ON THIS PLAN SHALL GOVERN OVER, AND IF IN CONFLICT, SHALL SUPERSEDE THOSE SHOWN ON ALL OTHER DRAWINGS.
3. REFER TO MECHANICAL, PLUMBING, ELECTRICAL, AND FIRE PROTECTION DRAWINGS AND SPECIFICATIONS FOR DESIGN OF THESE SYSTEMS (EXACT SIZES, CIRCUITING, ETC.).
4. REFER TO LIGHT FIXTURE SYSTEM SPECIFICATION AND INSTALLATION MANUAL FOR ATTACHMENT AND INSTALLATION DETAILS.
5. SEE ELECTRICAL DRAWINGS FOR DEVICES NOT SHOWN AND FIXTURE NUMBERS AND QUANTITIES.
6. PROVIDE ACCESS PANELS AT MECHANICAL/ELECTRICAL EQUIPMENT. PROVIDE MINIMUM OF ONE ACCESS TILE PER AREA WITHIN FULL HEIGHT PARTITIONS. COORDINATE LOCATIONS OF ACCESS PANELS IN DRYWALL CEILING WITH ARCHITECT.
7. LIGHT FIXTURES AND OTHER CEILING DEVICES SHOWN IN ACOUSTIC CEILINGS ARE TO BE CENTERED IN PANELS UNLESS OTHERWISE NOTED.

8. SECURITY DEVICES IN OPEN TO STRUCTURE CEILING AREAS TO BE MOUNTED 12" BELOW BOTTOM OF LIGHT FIXTURE BY OWNER SECURITY VENDOR. COORDINATE ROUGH-IN WITH PULL WIRES TO SECURITY BOARD WITH OWNER SECURITY VENDOR. NOTIFY ARCHITECT AND OWNER DM OF ANY OBSTRUCTIONS.
9. FOR ITEMS SHOWN WITHOUT DIMENSIONS, CONTRACTOR OR VENDOR TO LOCATE PER CEILING PLAN WITH CONSIDERATION FOR VISIBILITY AROUND POTENTIAL OBSTRUCTIONS.
10. REFER TO BACKSTAGE ROOM FINISH SCHEDULE FOR CEILING FINISHES.
11. IN ALL OFFICES & REPAIR ROOM, ALIGN CEILING GRID WITH CENTER OF THE FIRST WALL PANEL JOINT.

#### SYMBOLS

- |  |                          |
|--|--------------------------|
|  | WALL-MOUNTED STRIP LIGHT |
|  | RECESSED LIGHT           |
|  | MECH SUPPLY DIFFUSER     |
|  | MECH RETURN GRILLE       |
|  | EXHAUST GRILLE           |
|  | TRIMLESS DOWNLIGHT       |
|  | AREA OF NO WORK          |
|  | OCCUPANCY SENSOR         |
|  | SPRINKLER HEAD           |
|  | CEILING HEIGHT INDICATOR |



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Nanuet, NY

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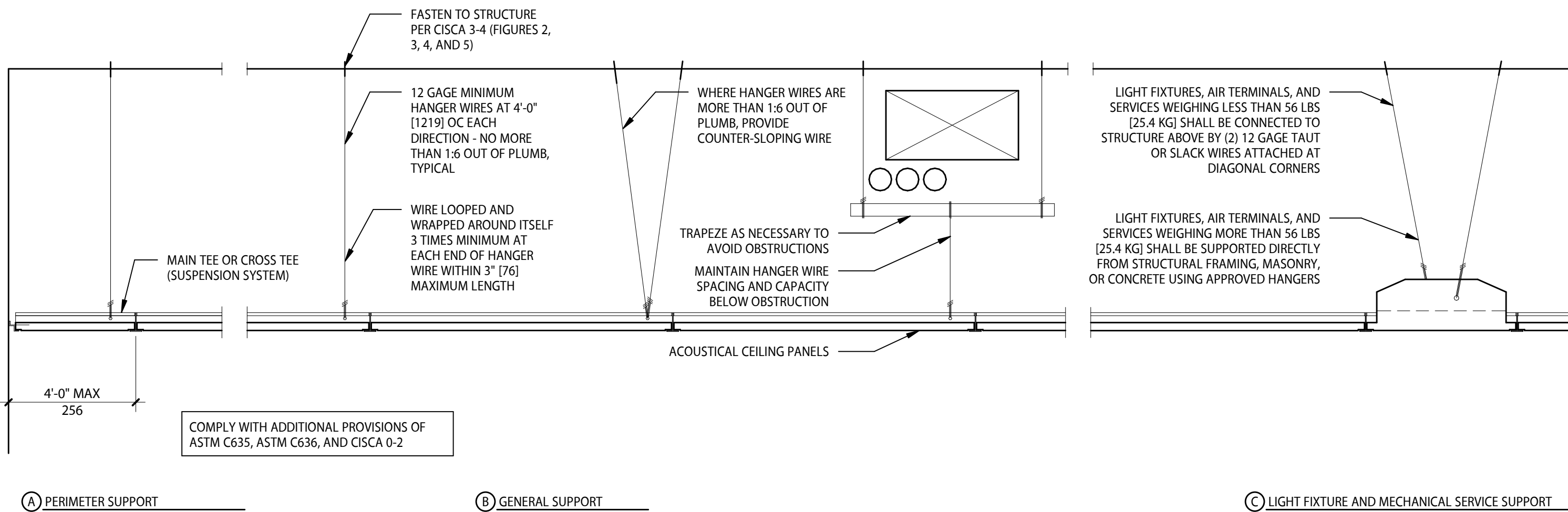
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12/03/21

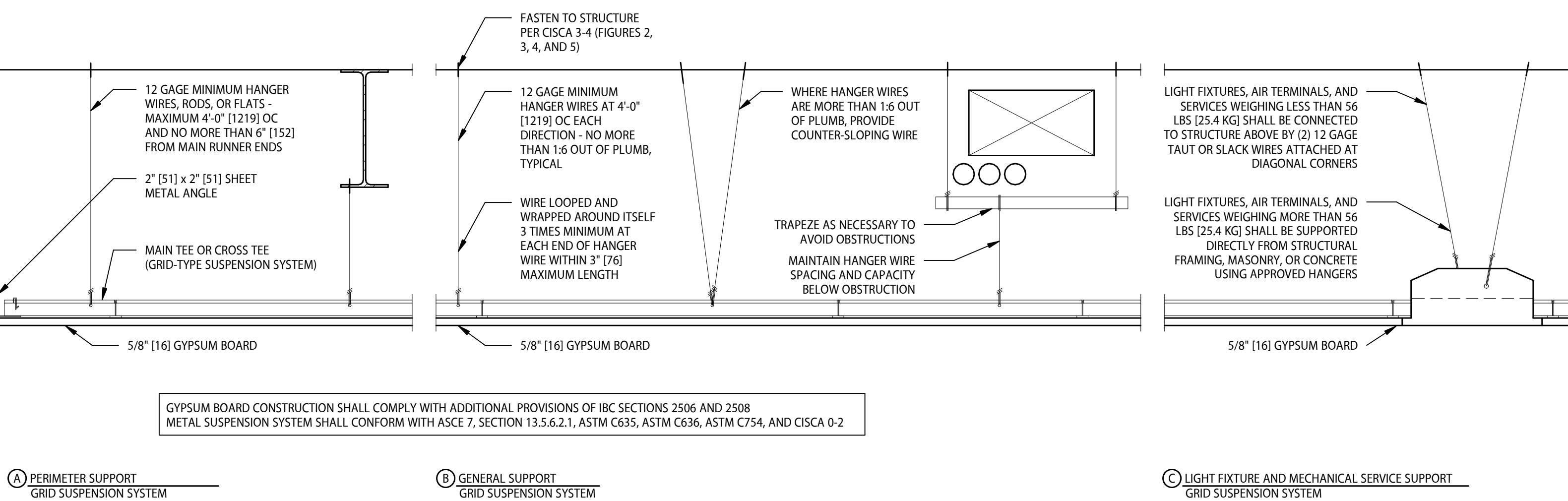
REFLECTED CEILING PLAN

A-713

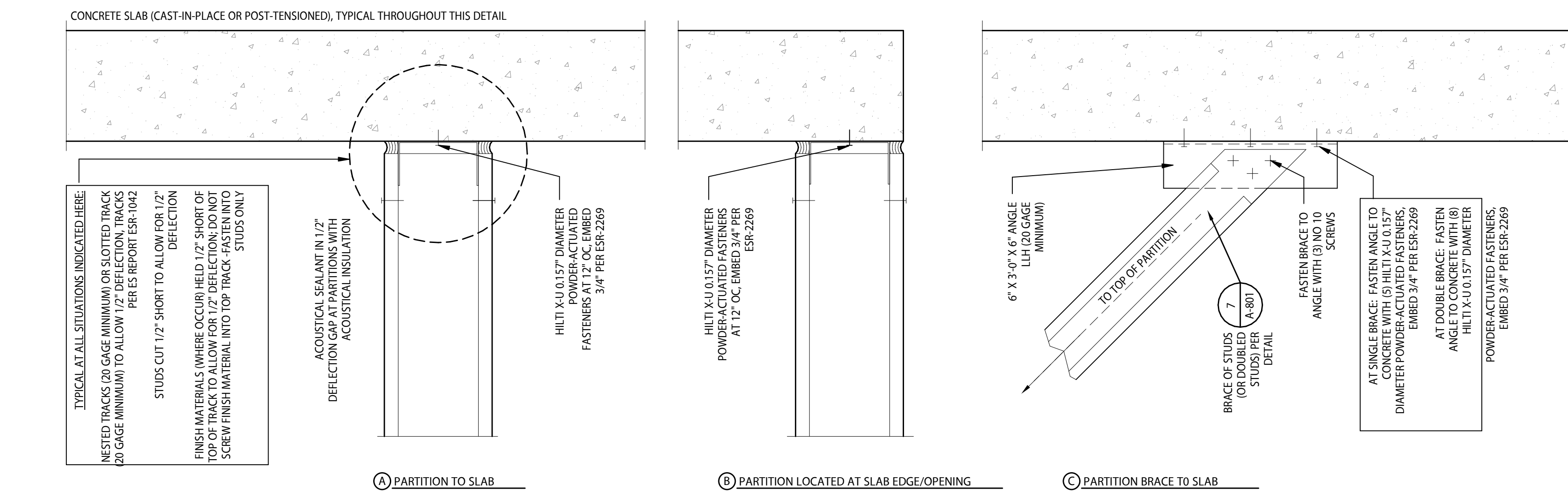




## 20 INSTALLATION OF SUSPENDED ACOUSTICAL CEILING IN 2009 IBC SEISMIC CATEGORIES A AND B

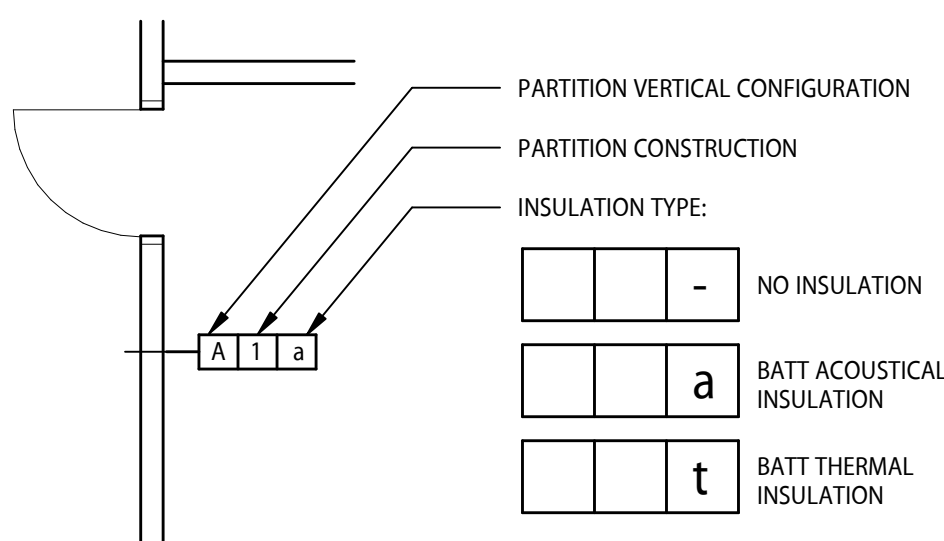


## 15 INSTALLATION OF SUSPENDED GYPSUM IN 2009 IBC SEISMIC CATEGORIES A AND B



## 10 INTERSECTION OF NON RATED PARTITIONS WITH CONCRETE SLAB ABOVE-SEISMIC

THE PARTITION TYPE DESIGNATION OR WALL TYPE DESIGNATION IS A THREE-UNIT CODE THAT INDICATES THE CONFIGURATION, CONSTRUCTION AND INSULATION OF THE PARTITION AS FOLLOWS:



- NOTES:
1. MAXIMUM STUD SPACING IS 24" (610mm) OC; STUD SPACING AND GAGE ARE DESIGN/BUILD, REFER TO SPECIFICATIONS FOR ADDITIONAL DESIGN CRITERIA
  2. WHERE FIRE AND/OR SOUND RATINGS ARE INDICATED, THE GYPSUM BOARD REQUIRED SHALL BE CONTINUOUS BEHIND ABUTTING NON-RATED PARTITIONS SO THAT FIRE AND/OR ACOUSTIC PERFORMANCE IS NOT COMPROMISED

## 5 PARTITION TYPE LEGEND

NOT TO SCALE

## 4 PARTITION CONSTRUCTION

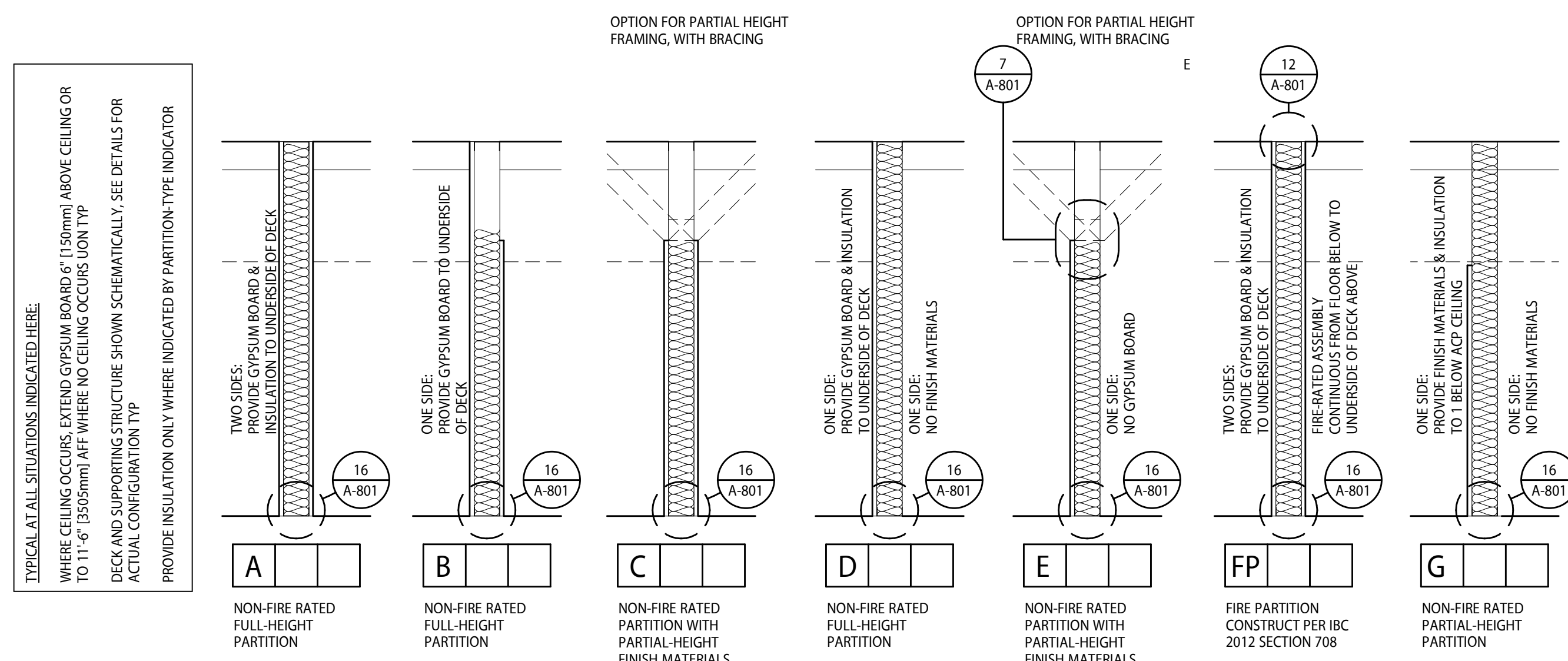
NOT TO SCALE

5/8" GYPSUM BOARD	1	2 1/2" METAL STUDS
5/8" GYPSUM BOARD, WHERE OCCURS	2	3 5/8" METAL STUDS
METAL STUDS INSULATED IF NOTED	3	6" METAL STUDS
5/8" TYPE "X" GYP BD FOR 1 HR FIRE RATING, PER UL NO U415	4	2 1/2" METAL SHAFT WALL STUDS
2 LAYERS 5/8" TYPE "X" GYP BD FOR 2 HR FIRE RATING, PER UL NO U415	5	4" METAL SHAFT WALL STUDS
INSULATED IF NOTED	6	6" METAL SHAFT WALL STUDS
1 HR FIRE - RATED CONSTRUCTION PER UL DESIGN NO. U419	7	3 5/8" METAL STUDS
5/8" GYPSUM BOARD, EACH SIDE	8	6" METAL STUDS
METAL STUDS INSULATED IF NOTED	9	6" METAL SHAFT WALL STUDS
5/8" GYPSUM BOARD	10	GYP BD ON EXISTING
ZEE FURRING	11	7/8" HAT CHANNEL
SHIM AS REQUIRED FOR FLAT FINISH	12	2" ZEE FURRING
SURFACE TO BE FURRED		
RIGID INSULATION IF NOTED		

## 7 TOP OF PARTITION WHERE BRACED TO STRUCTURE ABOVE

3" = 1'-0"

NON-SEISMIC



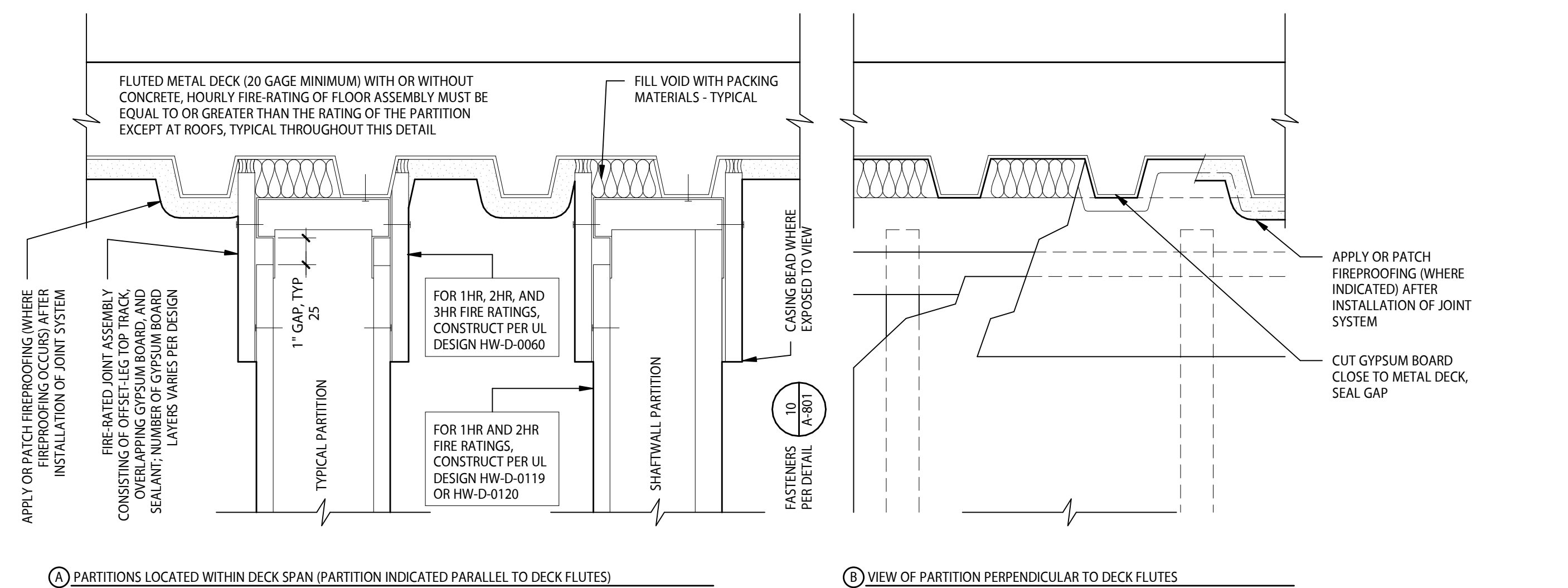
## 2 PARTITION VERTICAL CONFIGURATION

NOT TO SCALE

## 16 PARTITION-TO-FLOOR CONNECTION

NOT TO SCALE

NON-SEISMIC



Apple Inc.  
One Apple Park Way  
Cupertino, CA  
95014

Architect:

www.rmbharch.com

Consultant:

TES Engineering  
www.tesengineering.com

Apple Store  
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Nanuet, NY

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PARTITION TYPES &  
DETAILS

A-801





FINISH SCHEDULE

CODE	MATERIAL	MANUFACTURER	TYPE	COLOR/SPEC	SIZE	FIRE RATING	FLAME SPREAD INDEX	SMOKE DEVELOPED INDEX	NOTES
A.FI.CLG.05	CEILING TILE	ARMSTRONG	ACOUSTIC CEILING PANEL	TILE: CALLA 2824 REGULAR GRID: SILHOUETTE XL 9/16" SUSPENSION SYSTEM AND 1/8" REVEAL, COLOR: WHITE	2'-0" X 2'-0"	CLASS A	<25	<50	
A.FI.PNT.01	PAINT	SHERWIN WILLIAMS	INTERIOR LATEX-EGGSHELL	PROMAR 200 ZERO VOC INTERIOR LATEX EGG SHELL 820W12651 COLOR:SW-7626 ZURICH WHITE	--	CLASS A	--	0	BACKSTAGE WALLS PROVIDED BY GC
A.FI.PNT.02	PAINT	SHERWIN WILLIAMS	INTERIOR LATEX-SEMI-GLOSS	PROMAR 200 ZERO VOC INTERIOR LATEX SEMI-GLOSS 831W02651 COLOR:SW-7626 ZURICH WHITE	--	CLASS A	--		BACKSTAGE DOORS & FRAMES PROVIDED BY GC
A.FI.PNT.03	PAINT	SHERWIN WILLIAMS	INTERIOR EPOXY-SEMI-GLOSS	ZURICH WHITE SW-7626, 870 SERIES		CLASS A	--	0	RESTROOM CEILING, NON-TILED RESTROOM WALLS
A.FI.SE.02	SEALED CONCRETE	KRETETEK INDUSTRIES INC.	SEALED CONCRETE	GHOSTS-HEILD, SILOXA-TEK 810	VARIABLES	--	---	--	RESTROOM AND JANITOR'S CLOSET
A.FI.TIL.06	WALL TILE	DALTILE	COLOR WHEEL COLLECTION	LINEAR 0790 ARCTIC WHITE MATTE	4" X 12" NOMINAL	--	--	--	GROUT: LATICRETE SPECTRALOCK PRO PREMIUM GROUT 44 BRIGHT WHITE
A.FI.TIL.07	WALL BASE TILE	DALTILE	COLOR WHEEL COLLECTION	LINEAR FLAT TOP COVE BASE 0790 ARCTIC WHITE MATTE	4" X 12" NOMINAL	--	--	--	GROUT: LATICRETE SPECTRALOCK PRO PREMIUM GROUT 44 BRIGHT WHITE, SEALANT: LATSIL 44 BRIGHT WHITE
A.FI.WB.01	RUBBER COVE BASE	TARKETT	RUBBER WALL BASE	BASEWORKS THERMOSET RUBBER (TYPE TS), STRAIGHT AND WITH TOE, ROLL STOCK, COLOR:199, DOCKSIDE IW	4" HIGH	--	--	--	
A.FI.WNS.01	WARNSCOT	INPRO CORPORATION	IPC RIGID VINYL SHEET	COLOR: FEATHER 0238 TEXTURE: VELVET	0.040" THICK	CLASS A	20	350	FOR WALL PROTECTION ALONG PATH OF STOCK MOVEMENT ON WALLS PROVIDED BY GC
VCT-1	VINYL COMPOSITE TILE	ARMSTRONG	VINYL COMPOSITION	EXCELRON IMPERIAL TEXTURE STERLING 51904	12" X 12"	CLASS A		<450	PATTERN: QUARTER TURN

DOOR SCHEDULE

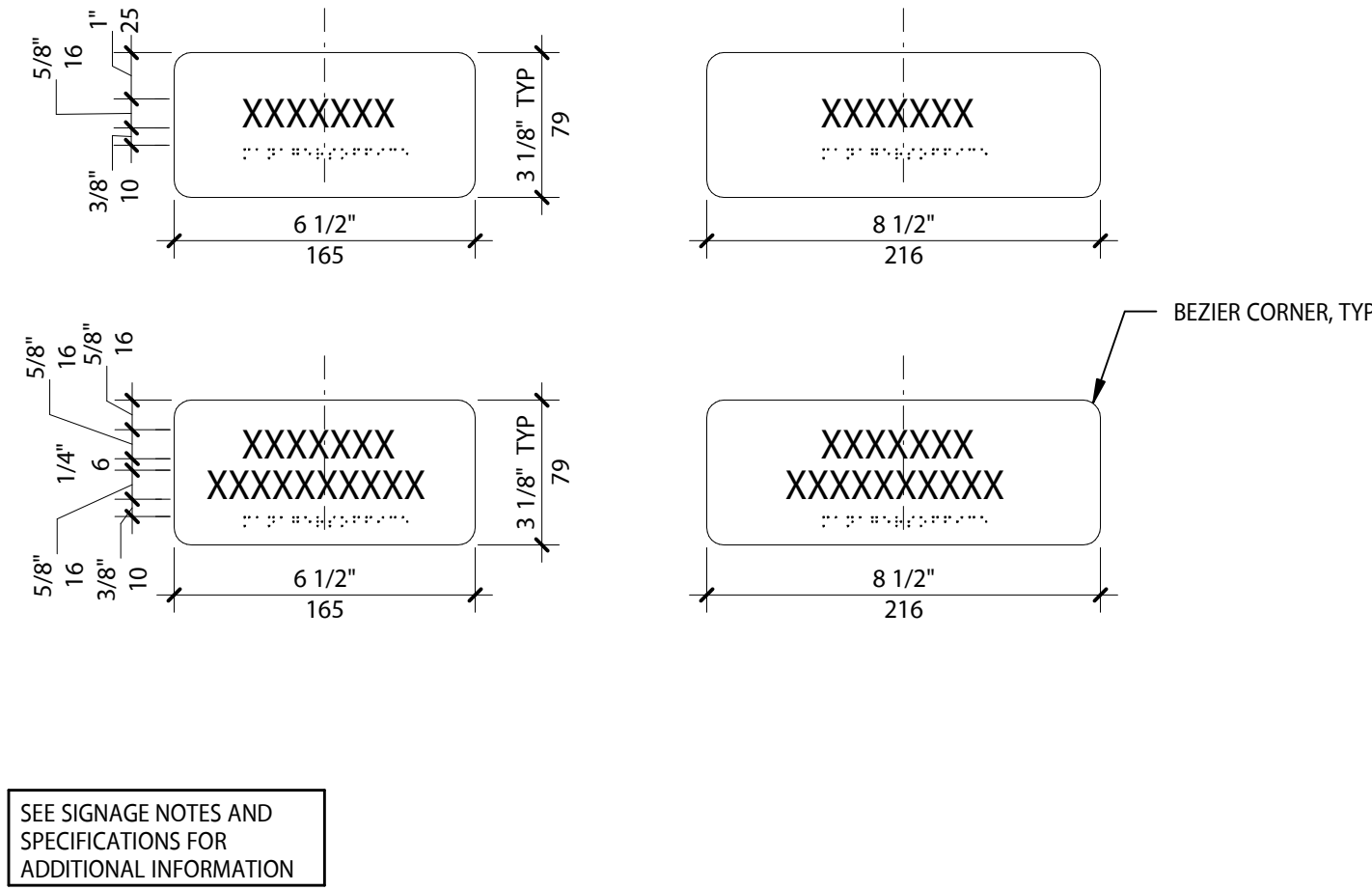
DOOR	DESCRIPTION	DOOR			FRAME		DETAILS			FIRE RATING	HARDWARE									
		W	SIZE H	T	TYPE	MATERIAL	FINISH	UNDER CUT	MATERIAL		FINISH	SILL	JAMB	HEAD	HINGES	LOCKSET	ELECTRONICS	CLOSERS	GASKETS	ACCESSORIES
1	RESTROOM - ACCESSIBLE	36"	84"	1 3/4"	C	HM	FLPNT.02	1"	HM	FLPNT.02	5/A-712	10/A-712	15/A-712	--	AJHW.HIN.01	AJHW.LCK.14	--	AJHW.CLO.01	AJHW.GSK.02	AJHW.ACC.01
2	RESTROOM - ACCESSIBLE	36"	84"	1 3/4"	C	HM	FLPNT.02	1"	HM	FLPNT.02	5/A-712	10/A-712	15/A-712	--	AJHW.HIN.01	AJHW.LCK.14	--	AJHW.CLO.01	AJHW.GSK.02	AJHW.ACC.01
3	RESTROOM	36"	84"	1 3/4"	C	HM	FLPNT.02	1"	HM	FLPNT.02	5/A-712	10/A-712	15/A-712	--	AJHW.HIN.01	AJHW.LCK.14	--	AJHW.CLO.01	AJHW.GSK.02	AJHW.ACC.01
4	RESTROOM	36"	84"	1 3/4"	C	HM	FLPNT.02	1"	HM	FLPNT.02	5/A-712	10/A-712	15/A-712	--	AJHW.HIN.01	AJHW.LCK.14	--	AJHW.CLO.01	AJHW.GSK.02	AJHW.ACC.01

DOOR NOTES

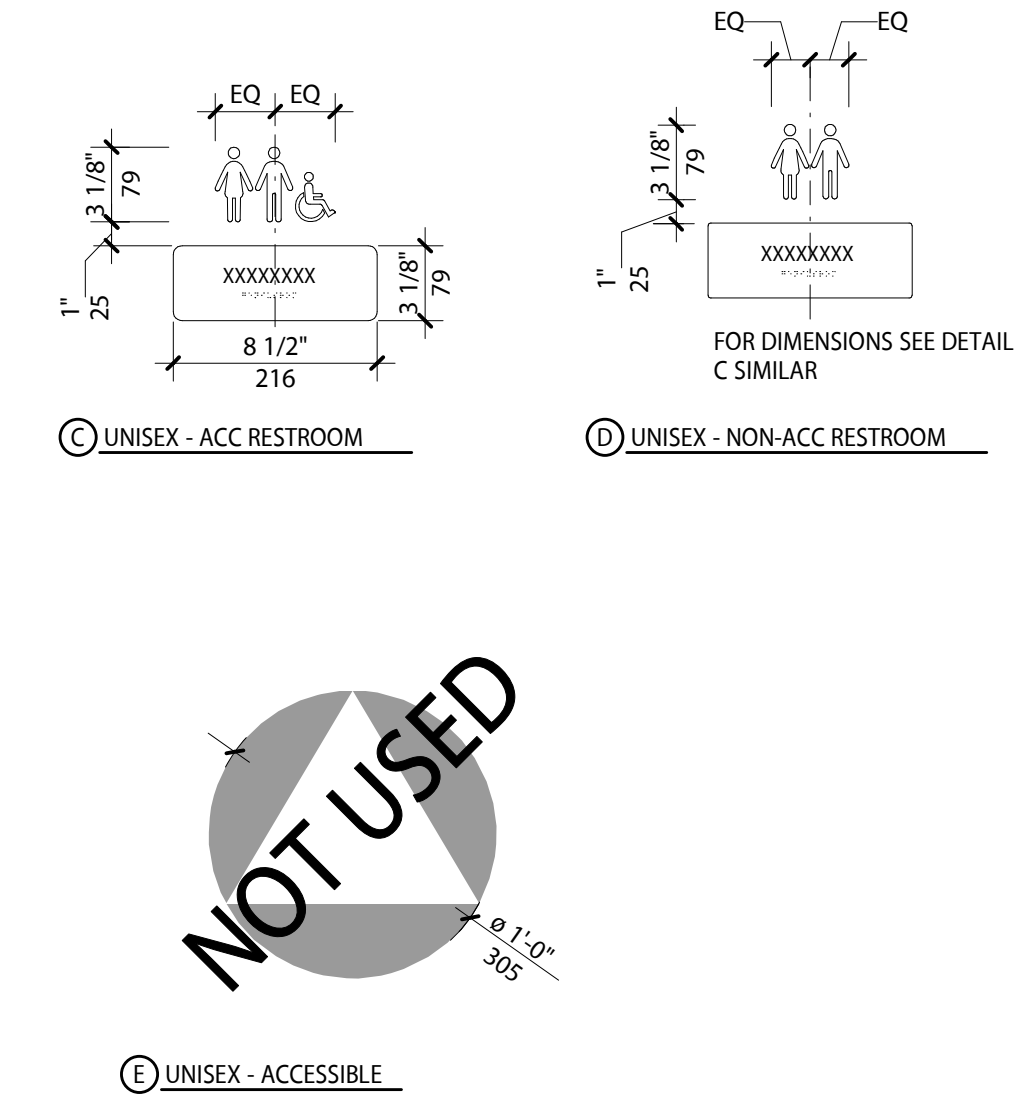
- LOCKSETS SHALL BE SINGLE ACTION LEVER HANDLES CENTERED AT BUILDING STANDARD HEIGHT (MIN 34", MAX 44" AFF).
- PROVIDE CONSTRUCTION AND FINAL KEYING AS DEFINED IN SPECIFICATION SECTION 087100. COORDINATE WITH APPLE DP FOR PERMANENT CORE/KEYING MANUFACTURE & INSTALLATION. INCLUDE IN BID.
- DOOR CLOSERS SHALL BE ADJUSTED THAT THE SWEEP PERIOD FROM AN OPEN POSITION OF 79 DEGREES TAKES THE DOOR AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH, MEASURED TO THE LANDING EDGE OF THE DOOR.
- PROVIDE CONSTRUCTION CORES IN ALL CYLINDERS UNTIL STORE TURN OVER.
- LOCATE FLOOR MOUNTED DOOR STOPS 3/4 OF THE DOOR LEAF WIDTH FROM THE HINGE, UNLESS OTHERWISE NOTED.
- REPLACE CYLINDER INCLUDED IN LOCKSETS WITH SPECIFIED CYLINDERS.
- FOR HOLLOW METAL DOOR HINGE QUANTITIES AND LOCATIONS, SEE DETAIL 2/A-811.
- DOORS AND CASED OPENINGS INDICATED ADJACENT TO WALL INTERSECTIONS SHALL BE LOCATED SO THAT THE EDGE OF THE FINISH OPENING IS SIX INCHES FROM THE FACE OF THE ADJACENT WALL UNLESS OTHERWISE INDICATED.

DOOR HARDWARE

	OWNER PRODUCT CODE	IDENTIFIER	DESCRIPTION	MANUFACTURER	PRODUCT
HINGE	AJHW.HIN.01	--	BEARING HINGE	MCKINNEY	TA714 4.5x4.5xUS260
	AJHW.LCK.04	--	MORTISE CYLINDER	BEST	1E-74 C265 RP3 FINISH: 626
LOCKSETS	AJHW.LCK.10	--	MORTISE CYLINDER	BEST	1E-74 CXXX RP3 FINISH: 626
	AJHW.LCK.13	--	PASSAGE LOCKSET	DORMAKABA	M9010-LA-B-630 (USE LT LEVER IF REQUIRED BY CODE)
	AJHW.LCK.14	--	PRIVACY LOCK W/INDICATOR	DORMAKABA	M9046-LA-B-630 W/79022 (USE L LEVER IF REQUIRED BY CODE)
	AJHW.LCK.15	--	CLASSROOM	DORMAKABA	M9070-LA-B-630 (USE LT LEVER IF REQUIRED BY CODE)
	AJHW.CLO.01	--	SURFACE CLOSER	DORMA	8916-AF89P-689
GASKETS	AJHW.GSK.02	--	SILENCERS	IVES	SR-64
	AJHW.ACC.01	--	DOOR STOP	STOP IT	TS51.00
ACCESSORIES	AJHW.ACC.05	--	ARMOR PLATE	TRIMCO	KA050-1-630 30" x X" (2" LESS THAN DOOR LEAF)



8 INTERIOR PLAQUE SIGNAGE  
3" = 1'-0"



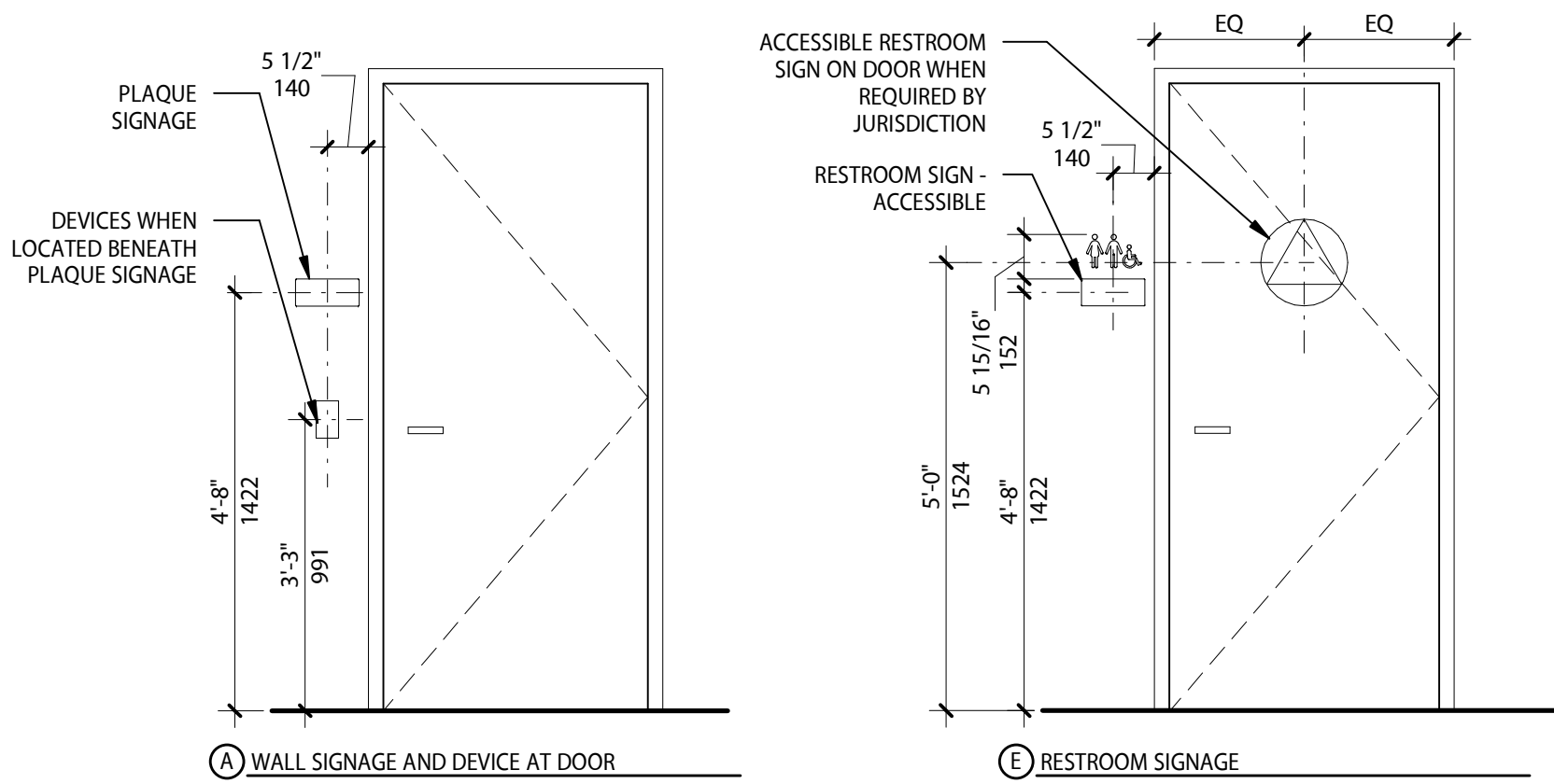
7 PLAQUE SIGNAGE WITH PICTOGRAM  
1 1/2" = 1'-0"

SIGNAGE LEGEND

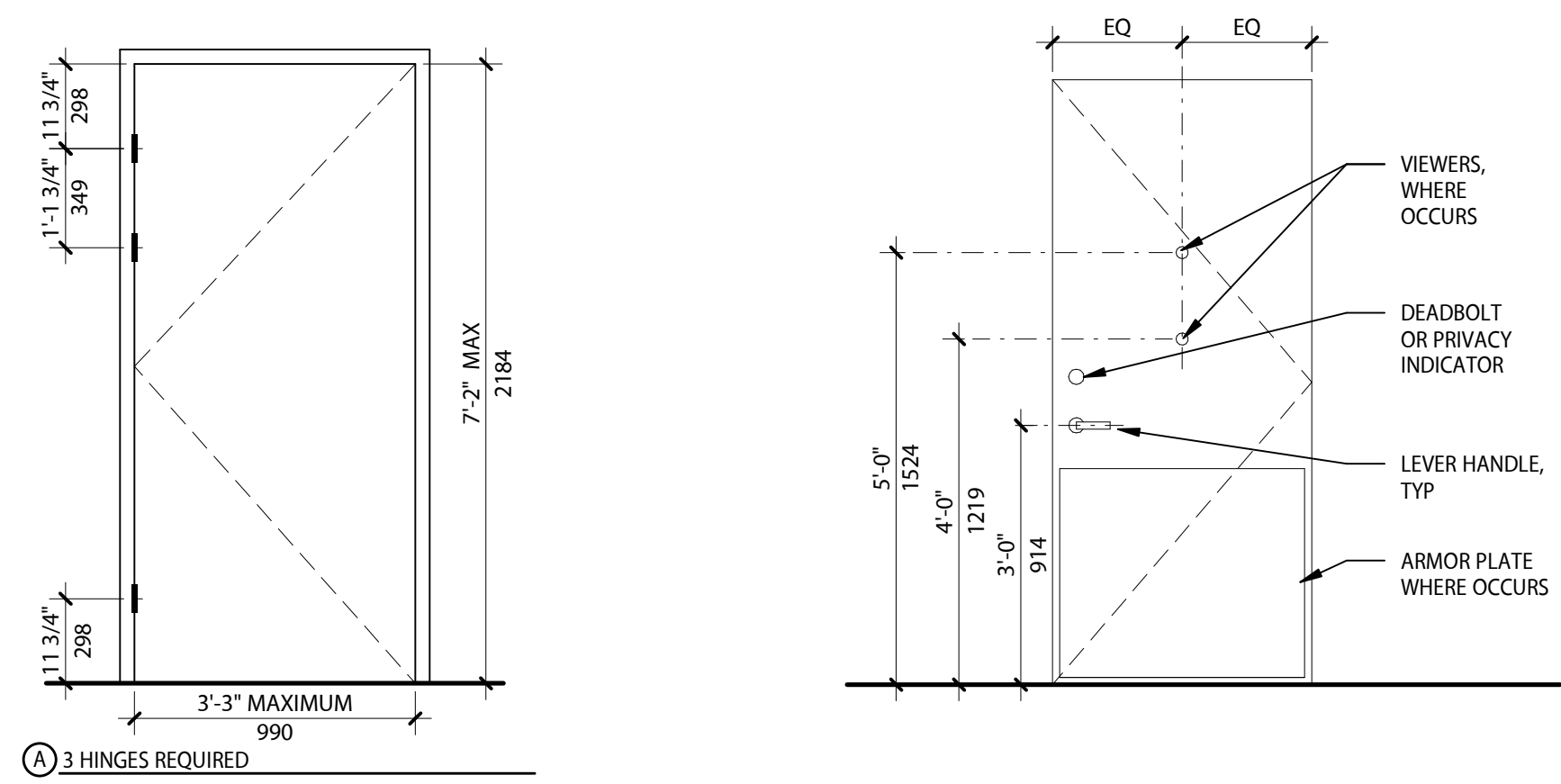
OWNER PRODUCT CODE	IDENTIFIER	DESCRIPTION	QUANTITY	DETAIL	TYPE	MOUNTING	REMARKS
A.SN.PLQ.06		ELECTRICAL ROOM	1	8/A-811	STAINLESS STEEL	5A/A-811	
A.SN.PLQ.11		JANITOR'S CLOSET	1	8/A-811	STAINLESS STEEL	5A/A-811	
A.SN.PLQ.17		REPAIR ROOM	1	8/A-811	STAINLESS STEEL	5A/A-811	
A.SN.PLQ.18		RESTROOM	2	7D/A-811	STAINLESS STEEL	5E/A-811	
A.SN.PLQ.19		RESTROOM	2	7C/A-811	STAINLESS STEEL	5E/A-811	ONLY AT ACCESSIBLE ROOM
A.SN.PLQ.21		STOCKROOM	1	8/A-811	STAINLESS STEEL	5A/A-811	

SIGNAGE NOTES

- VINYL SIGNS TO BE CENTERED ON DOOR OR PARTITION OR LOCATED ON SITE BY APPLE DEVELOPMENT MANAGER.
- STAINLESS STEEL PLAQUE SIGN FOR UNISEX TOILET ROOMS SHALL READ AS "RESTROOM".
- WHEN DOOR MOUNTED PLAQUE IS REQUIRED BY JURISDICTION, CENTER HORIZONTALLY ON DOOR. SEE DETAIL 5E/A-811 FOR ALTERNATE RESTROOM SIGNAGE LOCATIONS.
- SIGNAGE TEXT DIMENSION POINT IS BOTTOM LEFT JUSTIFICATION FOR THE TOP LINE OF TEXT.
- SEE 5/A-811 FOR RESTROOM SIGNAGE REQUIREMENTS.
- SEE 8/A-811 FOR PLAQUE SIGNAGE TEXT REQUIREMENTS.
- SEE 5/A-811 FOR LOCATIONS AND MOUNTING HEIGHTS.
- REFER TO SPECIFICATIONS FOR COLOR REFERENCES.
- SIGNAGE TEXT FONT TO BE APPROVED BY OWNER PRIOR TO FABRICATION AND INSTALL.
- ALL SIGNAGE TEXT TO MATCH DESCRIPTION IN SIGNAGE LEGEND.
- ARCHITECT WILL SUPPLY GENERAL CONTRACTOR WITH NECESSARY FONT FILES, SIGNAGE ARTWORK FILES, AND SIGNAGE TEXT APPROPRIATE FOR PROJECT LOCATION.
- CHARACTERS SHALL BE LOWERCASE UNLESS OTHERWISE REQUIRED BY LOCAL BUILDING CODES OR REGULATIONS.



5 INTERIOR SIGNAGE & DEVICE MOUNTING REQUIREMENTS  
1/2" = 1'-0"



2 HINGE DIAGRAM  
1/2" = 1'-0"

1 DOOR TYPE 1  
1/2" = 1'-0"

Apple Inc.  
One Apple Park Way  
Cupertino, CA  
95014

Architect:  
www.mbharch.com

Consultant:  
TES Engineering  
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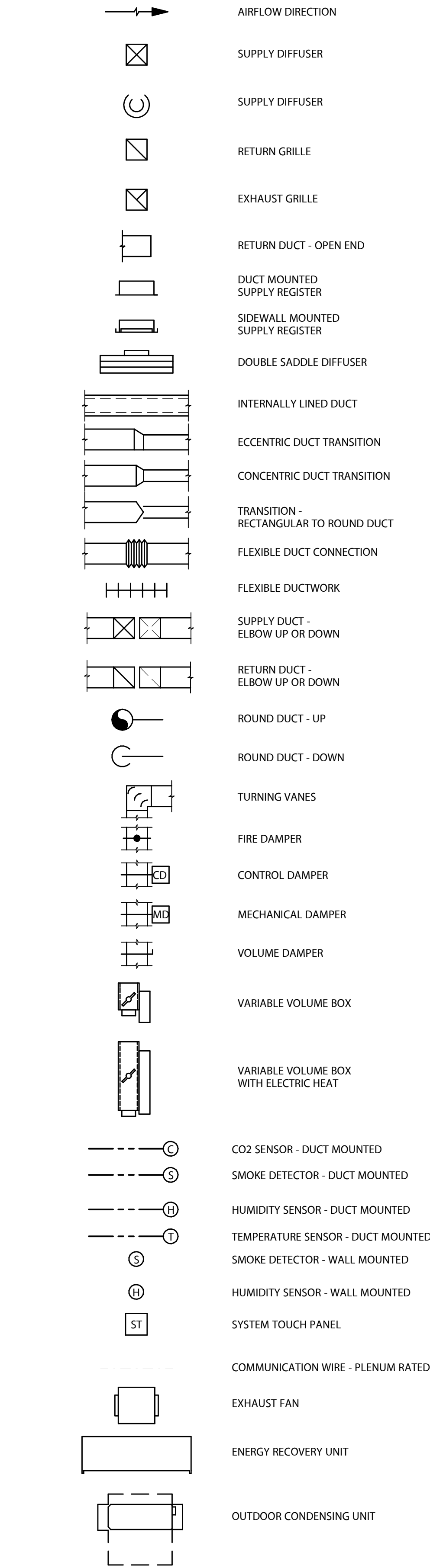
DOOR, FINISH & SIGNAGE  
LEGEND, DETAILS



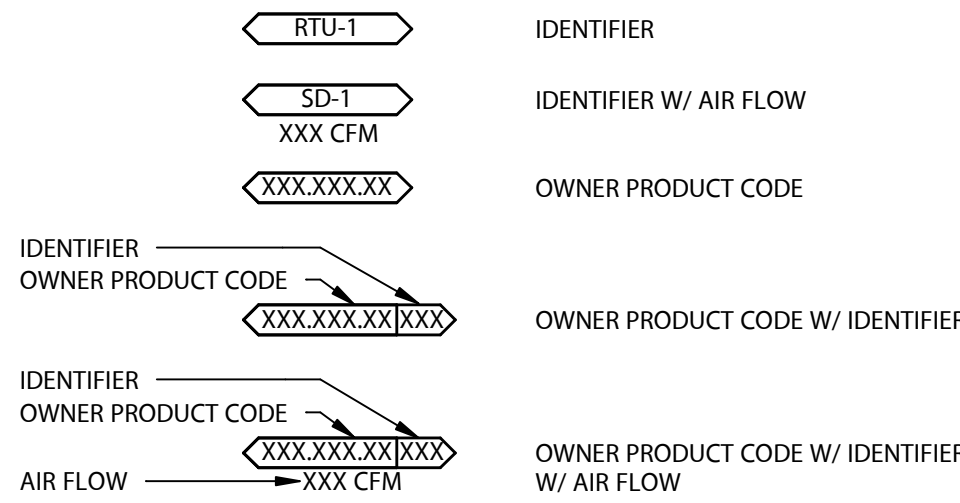
MECHANICAL ABBREVIATIONS

AABC	AMERICAN AIR BALANCE COUNCIL
A/C	AIR CONDITIONING UNIT
ABV	ABOVE
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS
BC	BRANCH CONTROLLER
BDD	BACK DRAFT DAMPERS
BHP	BRAKE HORSE POWER
BLDG	BUILDING
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTUH	BRITISH THERMAL UNIT PER HOUR
CAP	CAPACITY
CD	CEILING DIFFUSER
CE	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CONTR	CONTRACTOR
COP	COEFFICIENT OF PERFORMANCE
CSTD	COMBINATION FIRE/SMOKE DAMPER
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
DB	DRY BULB, DECIBEL
DEG	DEGREE
DISCH	DISCHARGE
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
EG	EXHAUST GRILLE
ELEC	ELECTRIC
EQUIV	EQUIVALENT
ERV	ENERGY RECOVERY VENTILATOR
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
F	FAHRENHEIT
FCU	FAN COIL UNIT
FLA	FULL LOAD AMPS
FLD	FLEXIBLE DUCT
FLEX	FLEXIBLE
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
G	GAS
GAL	GALLONS
GPM	GALLONS PER MINUTE
HD	HEAD
HP	HORSEPOWER
HTR	HEATER
HWS	HOT WATER RETURN
HWS	HOT WATER SUPPLY
IDU	INDOOR UNIT
IN	INCH
KW	KILOWATT
LB	POUND
LN	LINEAR FEET
LN DIFF	LINEAR DIFFUSER
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MC	MECHANICAL CONTRACTOR
MD	MOTORIZED DAMPER
MFR	MANUFACTURER
MOCP	MAXIMUM OVER CURRENT PROTECTION
MTR	MOTOR
NEBB	NATIONAL ENVIRONMENTAL BALANCING BUREAU
NC	NORMALLY CLOSED
NO	NOISE CRITERIA
N/A	NORMALLY OPEN
N/A	NOT APPLICABLE
OBD	OPPOSED BLADE DAMPER
ODU	OUTDOOR UNIT
OSA	OUTDOOR AIR
PD	PRESSURE DROP
PLBG	PLUMBING
POC	POINT OF CONNECTION
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
RA	RETURN AIR
REX	REMOVE EXISTING
RG	RETURN GRILLE
RH	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
SD	SUPPLY DIFFUSER
SAG	SUPPLY AIR GRILLE
SAR	SUPPLY AIR REGISTER
SCH	SCHEDULE
SENS	SENSIBLE
SF	SUPPLY FAN, SQUARE FOOT
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
SMD	SHEET METAL DUCT
SP	STATIC PRESSURE
SQ FT	SQUARE FEET
TG	TRANSFER GRILLE
TSP	TOTAL STATIC PRESSURE
U/C	UNDERCUT
UH	UNIT HEATER
VAV	VARIABLE AIR VOLUME
VENT	VENTILATION, VENTILATOR
VFD	VARIABLE FREQUENCY DRIVE
VRF	VARIABLE REFRIGERANT FLOW
VTR	VENT THROUGH ROOF
VVD	VARIABLE VOLUME DAMPER
WB	WET BULB
WC	WATER COLUMN
WCO	WALL CLEANOUT
WG	WATER GAUGE
WMS	WIRE MESH SCREEN

MECHANICAL SYMBOLS



EQUIPMENT INDICATOR



EXISTING EXHAUST FAN SCHEDULE

EQUIPMENT INDICATOR		SERVICE	MANUFACTURER	MODEL	AIRFLOW DATA			UNIT CHARACTERISTICS				
OWNER PRODUCT CODE	IDENTIFIER				AIR FLOW	ESP	MOTOR (W)	VOLTAGE	PHASE	FREQUENCY	OPERATING WEIGHT	NOTES/ACCESSORIES
EX EF-1		RESTROOM	LOREN COOK	GN-620	500 CFM	0.375"	245	120 V	1	60 HZ	35 lb	1-2

NOTES/ACCESSORIES  
1. EXISTING TO REMAIN (SCHEDULED FOR REFERENCE ONLY)  
2. RE-BALANCE TO CFM INDICATED

AIR TERMINAL SCHEDULE

EQUIPMENT INDICATOR		MANUFACTURER	MODEL	SIZE		MOUNTING		MATERIAL		FINISH	AIRFLOW DIRECTION	DAMPER	BORDER STYLE	NOISE CRITERIA	QUANTITY	REMARKS
OWNER PRODUCT CODE	IDENTIFIER			MOD	NECK	CEILING	OTHER	STEEL	ALUMINUM							
M.DF.GN.02	01	PRICE INDUSTRIES	SPD/SPD AS/ASPD SERIES	24" X 24"	8"	●	-	●	-	-	-	-	-	<35	2	
M.GR.EXH.01	01	PRICE INDUSTRIES	10 SERIES	12" X 12"	10" X 10"	●	-	●	-	-	-	VCS3	-	-	4	RAPID MOUNT FRAME, SQUARE TO ROUND ADAPTER

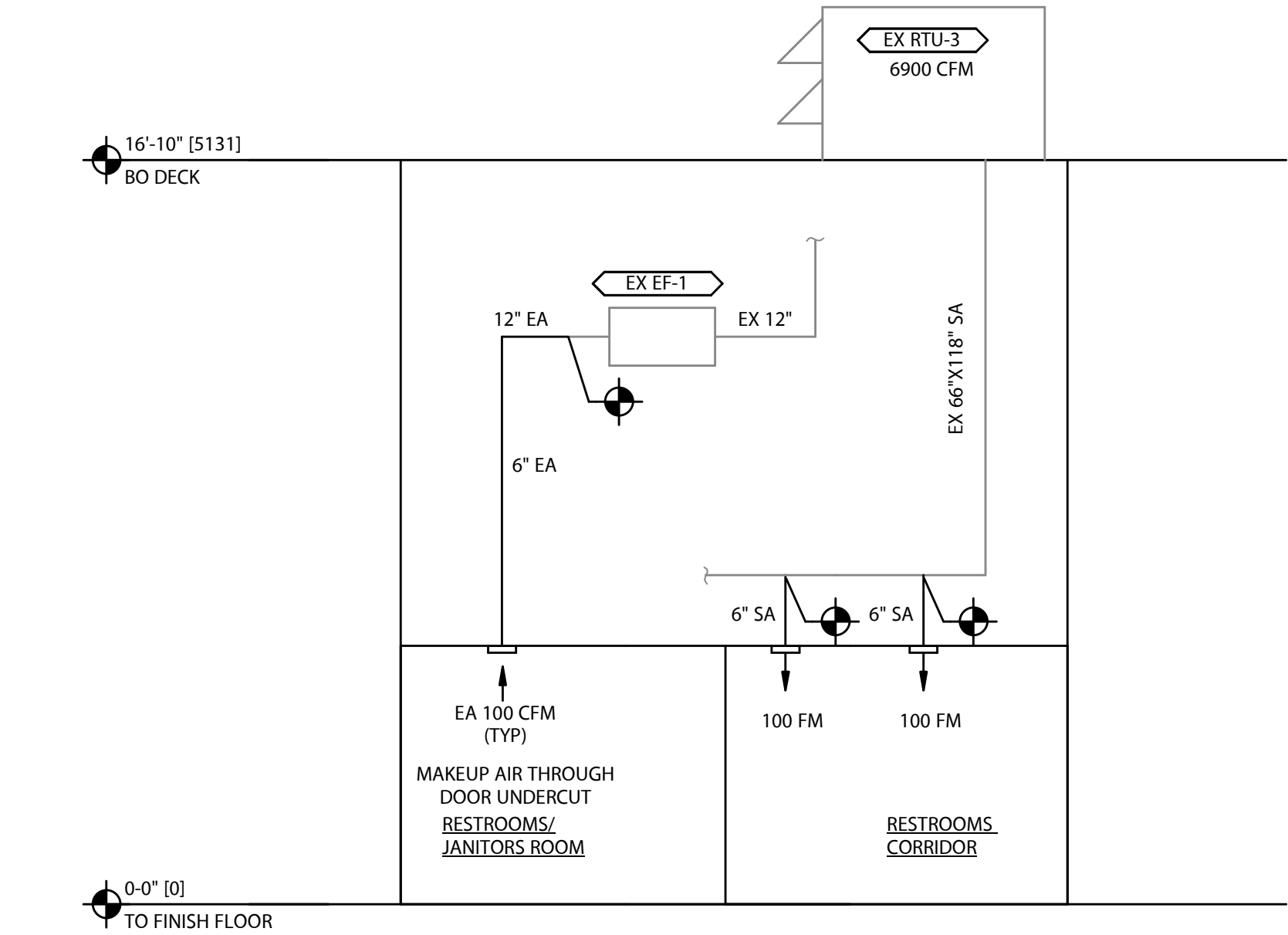
SYMBOLS KEY  
AIRFLOW DIRECTION:  
A = WHITE, B = BLACK, C = ALUMINUM  
FINISH:  
A = OPPOSED BLADE, B = RADIAL OPPOSED BLADE, C = YOUNG'S REGULATOR DAMPER MODEL #5020-CC  
DAMPER:  
A = SURFACE MOUNTED, B = T-BAR LAY-IN  
BORDER STYLE:

RESPONSIBILITY SCHEDULE

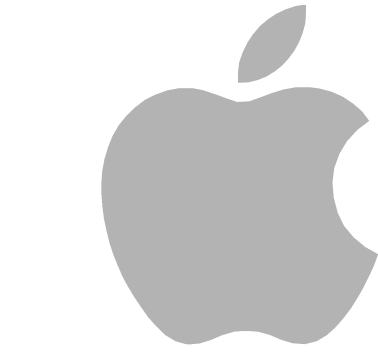
REFER TO ARCHITECTURAL SHEETS FOR COMPLETE BREAKDOWN OF PROJECT RESPONSIBILITIES

GENERAL NOTES:

- ITEMS TAGGED WITH AN "OWNER PROJECT CODE" ARE STANDARD OWNER PRODUCTS AND SHALL NOT BE SUBSTITUTED. THE CODES MAY CONTAIN AN "IDENTIFIER SUFFIX" USED TO PROVIDE INFORMATION ABOUT SIZE, LOCATION OF OTHER CHARACTERISTICS OF AN OWNER SPECIFIC PRODUCT.
- ITEMS TAGGED ONLY WITH AN "IDENTIFIER" ARE NOT STANDARDIZED AND ARE SELETED APPROPRIATELY FOR THIS PROJECT BASED ON PROJECT CONDITIONS AND REQUIREMENTS PROVIDED IN THE CONTRACT DOCUMENTS AND SPECIFICATIONS. SUBSTITUTION REQUESTS SHALL BE SUBMITTED IN ACCORDANCE WITH THE SPECIFICATIONS.
- CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR, AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB IN ACCORDANCE WITH THE AUTHORITIES HAVING JURISDICTION. DRAWINGS INDICATE STANDARD REQUIREMENTS, ADDITIONAL REQUIREMENTS BY ORDINANCES, LAWS, CODES, RULES, OR REGULATIONS ARE PART OF THE CONTRACTORS WORK. THE CONTRACTOR SHALL INCLUDE IN HIS WORK AND SHALL EXECUTE THE WORK CORRECTLY IN ACCORDANCE WITH SUCH ORDINANCES, LAWS, CODES, RULES, OR REGULATIONS WITH NO INCREASE IN COSTS TO THE BUILDING OWNER.
- CONTRACTOR IS TO REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. THE CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE CONTRACT DOCUMENT SET WITH ALL OTHER TRADES FOR PROPER INSTALLATION OF WORK.
- BEFORE SELECTING MATERIALS AND/OR EQUIPMENT AND PROCEEDING WITH THE WORK, INSPECT ALL AREAS TO INSURE SUITABILITY, FIT, CLEARANCES, AND INTERCONNECTIONS.
- COORDINATE LOCATION AND ROUTING OF DUCTWORK AND PIPING TO MAINTAIN CEILING. HEIGHT AS SHOWN ON REFLECTED CEILING PLAN, MAKE CHANGES IN DIRECTION AND FITTINGS TO MAINTAIN CLEARANCE ABOVE CEILING.
- FABRICATE AND INSTALL SUPPLY AND RETURN DUCTWORK IN PRE-MEASURED LENGTHS SO THAT DUCT FLANGES AND DUCT SUPPORTS CLEAR LIGHT FIXTURES AND STRUCTURAL SUPPORT STEEL TO MINIMIZE CLEARANCE REQUIREMENTS ABOVE CEILING SPACE. COORDINATE WORK WITH STRUCTURAL PLANS AND REFLECTED CEILING PLANS.
- PROVIDE VOLUME DAMPERS IN EACH BRANCH DUCT AND BRANCH DUCT SERVING AN AIR INLET OR OUTLET INCLUSIVE OF THOSE NOT SHOWN ON PLANS. LOCATE DAMPER AS FAR AWAY FROM INLET/OUTLET AS POSSIBLE. DO NOT INSTALL DAMPERS AT OR INTEGRAL TO REGISTERS OR DIFFUSERS.
- ALLOW 6" MINIMUM CLEAR SPACE IN FRONT OF VOLUME DAMPER (VD) HANDLES IN CEILING PLENUMS AND MARK VD WITH AN IDENTIFIABLE FLAG.
- PROVIDE WIRE MESH SCREEN OVER ALL RETURN AND EXHAUST DUCT OPENINGS THAT ARE WITHOUT GRILLES.
- PROTECT AND FIRE STOP ALL PENETRTRIONS THROUGH RATED WALLS AS REQUIRED BY THE JURISDICTION. PERFORMANCE SHALL MATCH OR EXCEED THE RATING OF THE WALL AS NOTED BY THE ARCHITECTURAL DRAWINGS.
- CONTROLS CONTRACTOR TO PROVIDE BMS PANELS, COORDINATE LOCATIONS WITH DIVISION 26. REFER TO ELECTRICAL DRAWINGS FOR POWER CIRCUITING AND PROPOSED LOCATIONS.
- SUPPORT MECHANICAL EQUIPMENT INDEPENDENTLY FROM STRUCTURE, WHERE BUILDING RULES AND REGUALTIONS DO NOT PERMIT ATTACHMENT TO METAL DECKS CONTRACTOR SHALL PROVIDE ADDITIONAL STEEL BRACING AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR AN INDOOR AIR QUALITY FLUSH-OUT PRIOR TO HAND-OVER AND SPACE OCCUPANCY. REFER TO DIVISION 23 SPECIFICATIONS FOR ADDITIONAL INFORMATION. COORDINATE WITH APPLICABLE TRADES.



2 HVAC AIRFLOW SCHEMATIC  
NOT TO SCALE



Apple Inc.  
One Apple Park Way  
Cupertino, CA  
95014

Architect:  
MBH Architects  
www.mbharch.com

Consultant:  
TES Engineering  
www.tesengineering.com

Apple Store  
West Town Mall  
Nanuet, NY

Project Number:  
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Issued/Revised Date  
90% CD SET 12/3/2021

MECHANICAL GENERAL  
NOTES, SCHEDULES,  
SYMBOLS & HVAC  
AIRFLOW SCHEMATIC

M-001





Consultant:  
**TES Engineering**  
[www.tesengineering.com](http://www.tesengineering.com)

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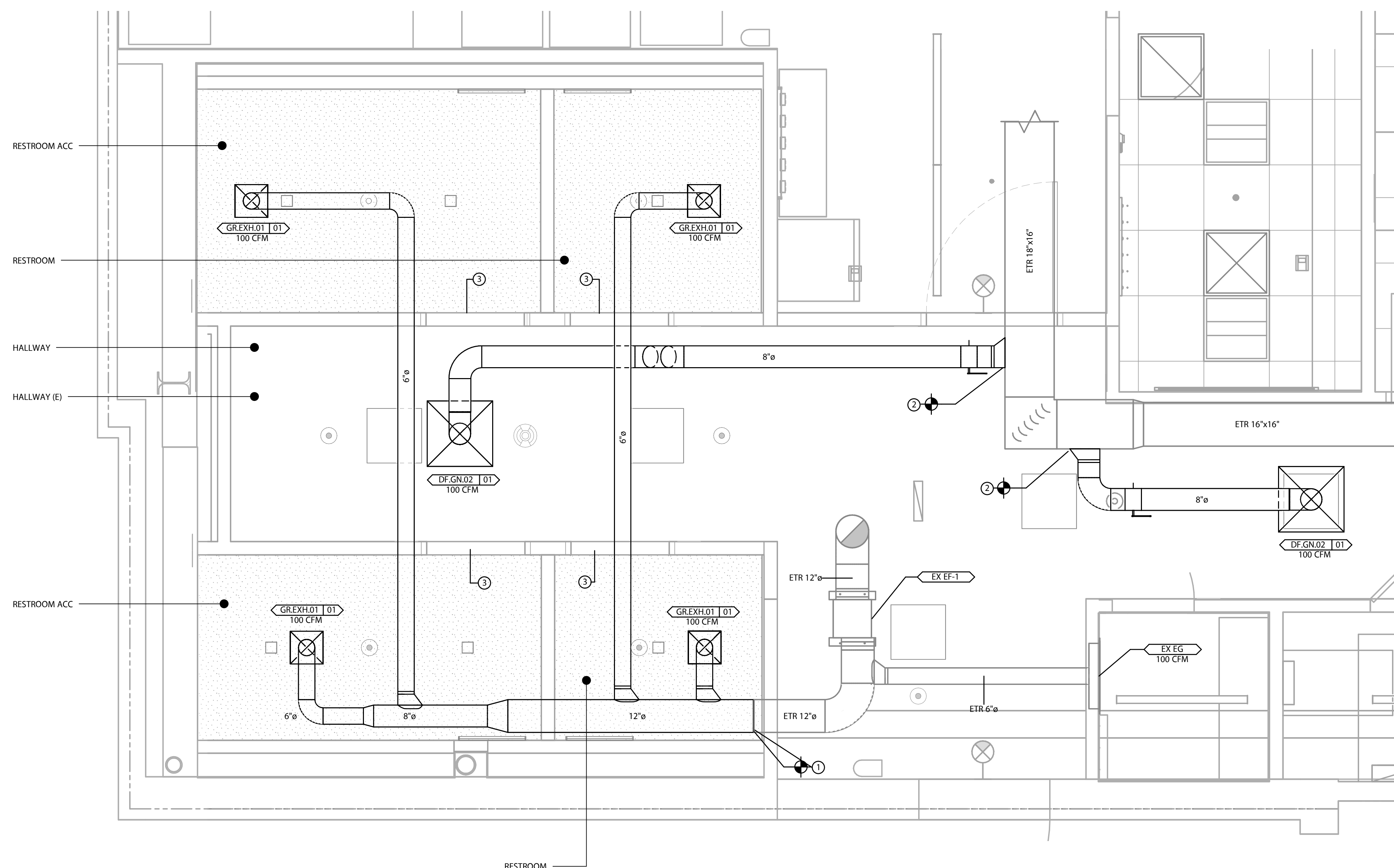
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## BACKSTAGE - MECHANICAL PLAN

M-161



1 BACKSTAGE - MECHANICAL PLAN  
1/2" = 1'-0"

1. LIMITED ABOVE CEILING CLEARANCES EXIST. COORDINATE LOCATION AND ELEVATIONS OF MECHANICAL WORK WITH ALL DUCTWORK, SPRINKLERS, LIGHT FIXTURES, AND OTHER CEILING BUILT-IN FIXTURES.

- 1 CONNECT INTO EXISTING EXHAUST AIR DUCT MAIN.
- 2 CONNECT TO EXISTING SUPPLY AIR DUCT.
- 3 3/4" UNDERCUT DOORS FOR TRANSFER AIR. REFER TO ARCHITECTURAL DRAWINGS

SUPPLY DIFFUSER

CONCENTRIC DUCT TRANSITION

EXHAUST GRILLE

SUPPLY DUCT  
ELBOW UP OR DOWN

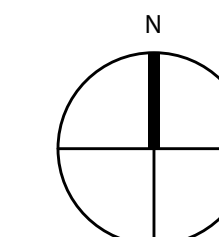
RETURN DUCT  
ELBOW UP OR DOWN

SERVICE CLEARANCES

VAV BOX

SUPPLY DIFFUSER WITH  
SECTORIZING BAFFLES - HATCHES  
QUADRANT INDICATES BLOCKED

QUADRANT INDICATES BLOCKED







PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	CO, WCO, FCO	CLEANOUT, WALL CLEANOUT, FLOOR CLEANOUT
	COTG	CLEANOUT TO GRADE
	S OR W	SOIL OR WASTE ABOVE GRADE OR FLOOR
	S OR W	SOIL OR WASTE BELOW GRADE OR FLOOR
	D	INDIRECT DRAIN
	V	VENT
	CW	COLD WATER
	HW	HOTWATER
	G	GAS PIPING
	F	FIRE PIPING
	SPR	SPRINKLER PIPING
	BV	BALL VALVE
	GV, SOV	GATE VALVE, SHUT-OFF VALVE
	PRV	PRESSURE REDUCING VALVE
		DIRECTION OF FLOW
	WHA	WATER HAMMER ARRESTOR
	TP	TRAP PRIMER
	FD	FLOOR DRAIN
	POC	POINT OF CONNECTION
		PIPE RISING UP
		PIPE DROPPING DOWN
		FIRE SPRINKLER RISER
	WFU	WATER FIXTURE UNIT
	DFU	DRAINAGE FIXTURE UNIT
	WFM	WATER FLOW METER
	GFM	GAS FLOW METER

EQUIPMENT INDICATOR

	IDENTIFIER
	OWNER PRODUCT CODE
	OWNER PRODUCT CODE W/ IDENTIFIER

PLUMBING FIXTURE SCHEDULE

EQUIPMENT INDICATOR		FIXTURE	ROUGH-IN SERVICES				MANUFACTURER	MODEL	FAUCET MANUFACTURER	FAUCET MODEL	FLOW RATE	ACCESSORIES	REMARKS
OWNER PRODUCT CODE	IDENTIFIER		COLD WATER	HOT WATER	WASTE	VENT							
P.EQ.FD.01		FLOOR DRAIN			3"	1 1/2"	ZURN	ZS415BS, 3" BOTTOM OUTLET W/ 6" ROUND STRAINER				TRAP PRIMER CONNECTION	
P.F.DF.01		DRINKING FOUNTAIN	1/2"		2"	1 1/2"	HALSEY TAYLOR	HTHBWF-OVLSEBP-1					ADA COMPLIANT, HIGH/LOW FOUNTAIN W/BOTTLE FILLER
P.F.LAV.03		LAVATORY-WALL MOUNT	1/2"	1/2"	2"	1 1/2"	SLOAN	AER-DEC AD-81000	SLOAN	EFX-250	0.50 GPM	SS ANGLED ENCLOSURE, BASYS STYLE ESD 500 SOAP DISPENSER - CHROME, BASYS STYLE HAND DRYER - CHROME, FAIR 652-AA HOSE AND BRACKET, MUSTEE 67.2424 DURAGUARD WALL GUARDS.	FAUCET TO BE CENTERED IN LAVATORY
P.F.SK.02	EX MS-1	MOP SINK	1/2"	1/2"	2"	1 1/2"	MUSTEE	63M-WHITE	SPEAKMAN COMMANDER	SC-5811-RCP	12.20 GPM	GERBER DUOFIX CARRIER WITH SIGMA CONCEALED TANK 111.335.00.5; GERBER SIGMA10 DUAL FLUSH HANDS-FREE ACTUATOR WITH MANUAL OVERRIDE 115.891.5N.5, BRUSHED STAINLESS STEEL; DURAVIT SLOW CLOSE OPEN FRONT SEAT 0064390000	ADA COMPLIANT, DUAL FLUSH 0.8/1.6 GPF
P.F.WC.01		WATER CLOSET	1/2"		4"	2"	DURAVIT	2226090092					

WATER HEATER SCHEDULE

EQUIPMENT INDICATOR		FIXTURE	ROUGH-IN SERVICES			MANUFACTURER	MODEL	VOLTAGE	WATTS	ACCESSORIES	REMARKS
OWNER PRODUCT CODE	IDENTIFIER		COLD WATER	HOT WATER	INDIRECT WASTE						
-	EQ.WH.01	WATER HEATER	3/4"	3/4"	3/4"	A. O. SMITH	DEL-15	208 V	4000 W	15 GALLON TANK WITH DRAIN PLUG. PROVIDE INLET AND OUTLET HEAT TRAP FITTINGS FOR INSTALLATIONS WHERE RECIRCULATING HOT WATER SYSTEM IS NOT REQUIRED. SUPPLY WATER TEMPERATURE SET AT 140 °F	SINGLE 4000 WATT ELEMENT, DUAL RATED 208V SINGLE PHASE

EXPANSION TANK SCHEDULE

EQUIPMENT INDICATOR		MANUFACTURER	MODEL	REMARKS
OWNER PRODUCT CODE	IDENTIFIER			
-	ET-1	AMTROL	ST-5-C	REFER TO WATER HEATER DETAIL FOR INSTALLATION

RECIRCULATION PUMP SCHEDULE

EQUIPMENT INDICATOR		FIXTURE	HOT WATER ROUGHIN	MANUFACTURER	MODEL	ACCESSORIES	REMARKS
OWNER PRODUCT CODE	IDENTIFIER						
-	RHWP-1	RE-CIRCULATING HOT WATER PUMP	3/4"	TACO	009-SF5		SET TO 0.5 GPM, TDH OF 10'-0", 120-1-60, 3250 RPM, 1/8 HP WITH 3/4" SUCTION AND DISCHARGE. PUMP CONSTRUCTION TO BE STAINLESS STEEL WITH RETURN WATER THERMOSTAT.

PLUMBING EQUIPMENT SCHEDULE

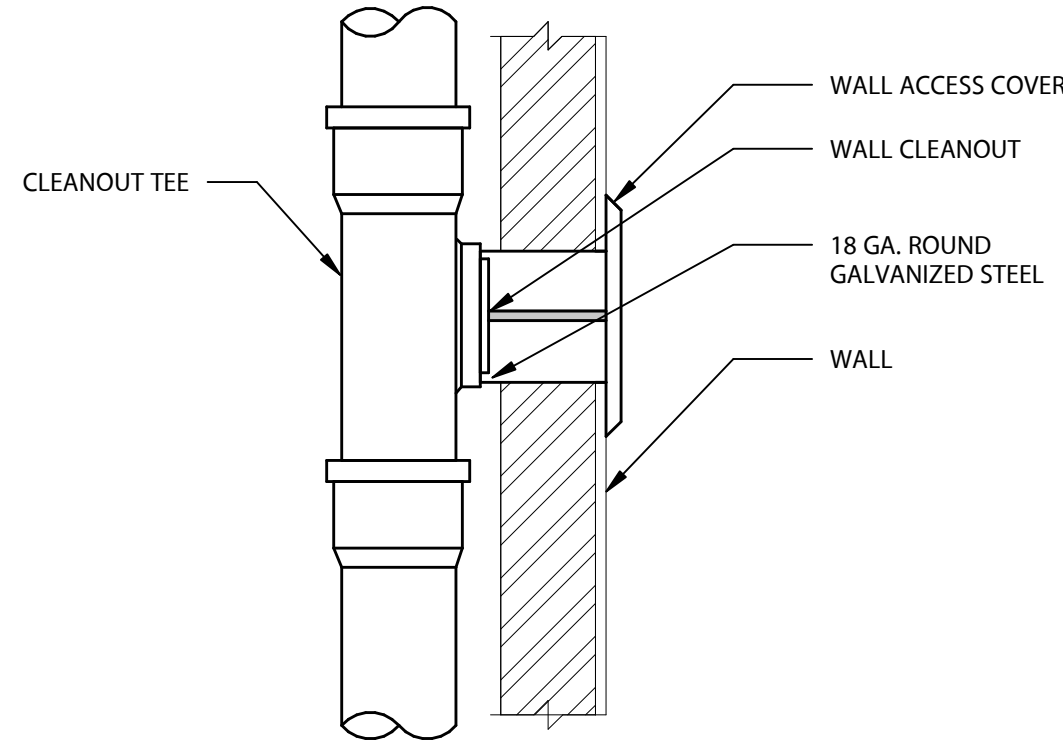
EQUIPMENT INDICATOR		FIXTURE	ROUGH-IN SYSTEM		MANUFACTURER	MODEL	ACCESSORIES	REMARKS
OWNER PRODUCT CODE	IDENTIFIER		COLD WATER	HOT WATER				
P.CTR.MTR.03		HOT WATER FLOW METER	-	3/4"	ONICON	F-1134		INLINE HOT WATER FLOW METER WITH 4-20 mA OUTPUT TO BTU-1
P.CTR.MTR.02		WATER FLOW METER	1 1/2"		ONICON	F-1100-10-A1-2223		DOMESTIC COLD WATER FLOW METER WITH 4-20mA OUTPUT TO BMS PANEL, NSF61
P.CTR.MTR.01	-	DOMESTIC HOT WATER ENERGY METER		3/4"	ONICON	SYSTEM-40 BTU METER SYSTEM		CONTROLS CONTRACTOR TO PROVIDE BACNET MSTP INTEGRATION TO BMS. INTEGRATE BTU FLOW METER WITH INSERTION TYPE TEMPERATURE SENSOR FOR FULL ENERGY MONITORING CAPABILITY, NSF61
P.EQ.ACC.02	-	WALL CLEANOUT			ZURN	Z1446-BP		
-	BFP-1	CHEMICAL DISPENSER BACKFLOW PREVENTER	1/2"		WATTS REGULATOR	LF-009-QT		
-	TP-1	TRAP PRIMER	1/2"		PRECISION PLUMBING PRODUCTS	P2-500, P1-500	DISTRIBUTION UNIT FOR MULTIPLE FLOOR DRAINS	1/2" COPPER TYPE "L" TO FLOOR DRAIN
-	WHA-1	WATER HAMMER ARRESTOR			SIOUX CHIEF	650 SERIES		OR EQUAL

RESPONSIBILITY SCHEDULE

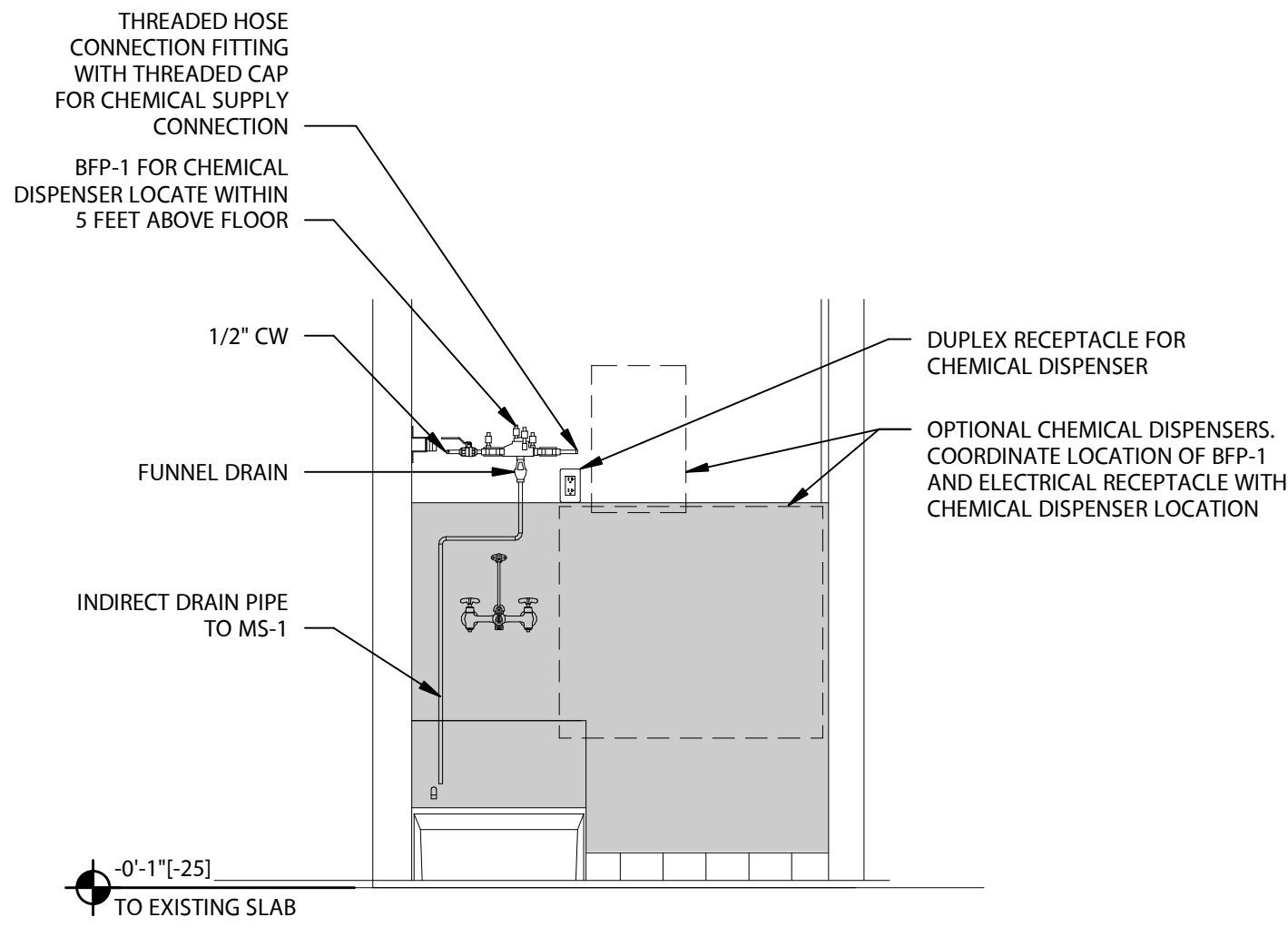
REFER TO ARCHITECTURAL SHEETS FOR COMPLETE BREAKDOWN OF PROJECT RESPONSIBILITIES

GENERAL NOTES:

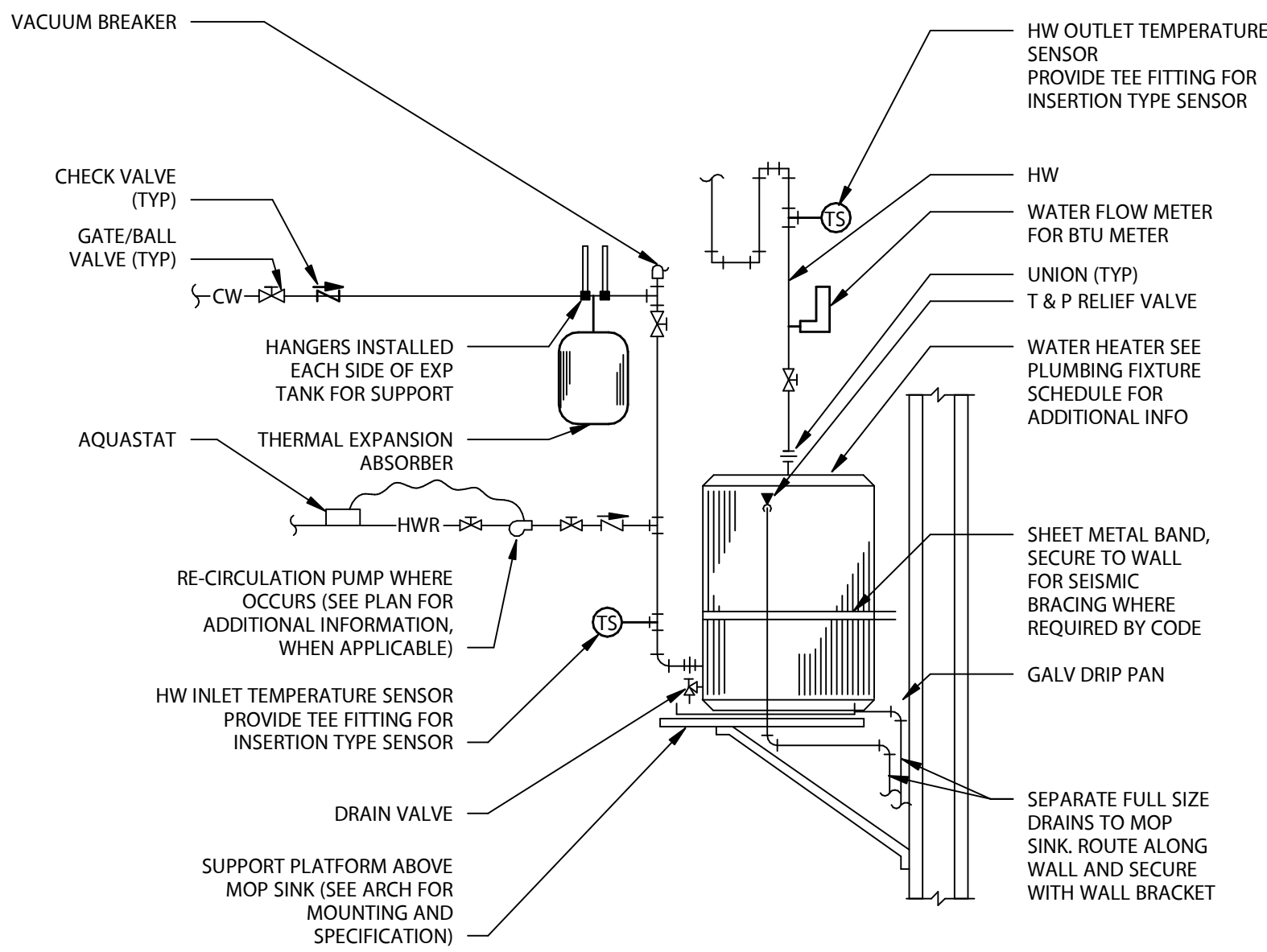
- ITEMS TAGGED WITH AN OWNER PRODUCT CODE HAVE BEEN STANDARDIZED AMONG THE OWNER'S PROJECTS, AND SHALL BE USED WHENEVER POSSIBLE. SUBSTITUTION REQUESTS MAY BE SUBMITTED PER THE CRITERIA IN THE SPECIFICATIONS. SOME OWNER PRODUCT CODE TAGS ALSO INCLUDE AN IDENTIFIER SUFFIX, TO PROVIDE INFORMATION ABOUT SIZE, LOCATION, OR OTHER CHARACTERISTICS OF AN OWNER PRODUCT.
- ITEMS TAGGED ONLY WITH AN IDENTIFIER ARE NOT STANDARDIZED, AND PROJECT TEAMS SHALL SELECT THE APPROPRIATE PRODUCT FOR EACH PROJECT, BASED ON PROJECT CONDITIONS AND ANY REQUIREMENTS LISTED IN THE SPECIFICATIONS OR ELSEWHERE IN THE CONTRACT DOCUMENTS.



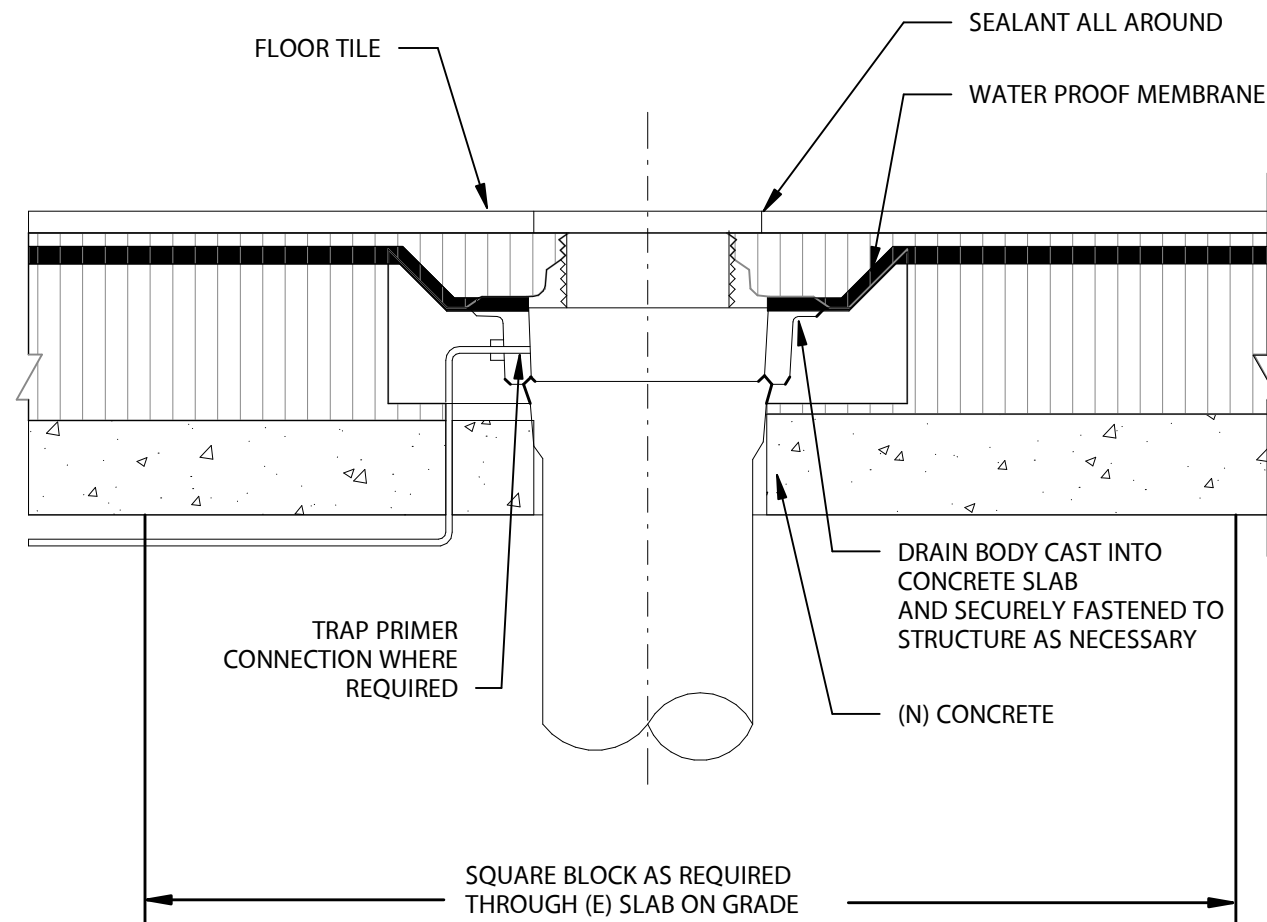
6 WALL CLEANOUT  
NOT TO SCALE



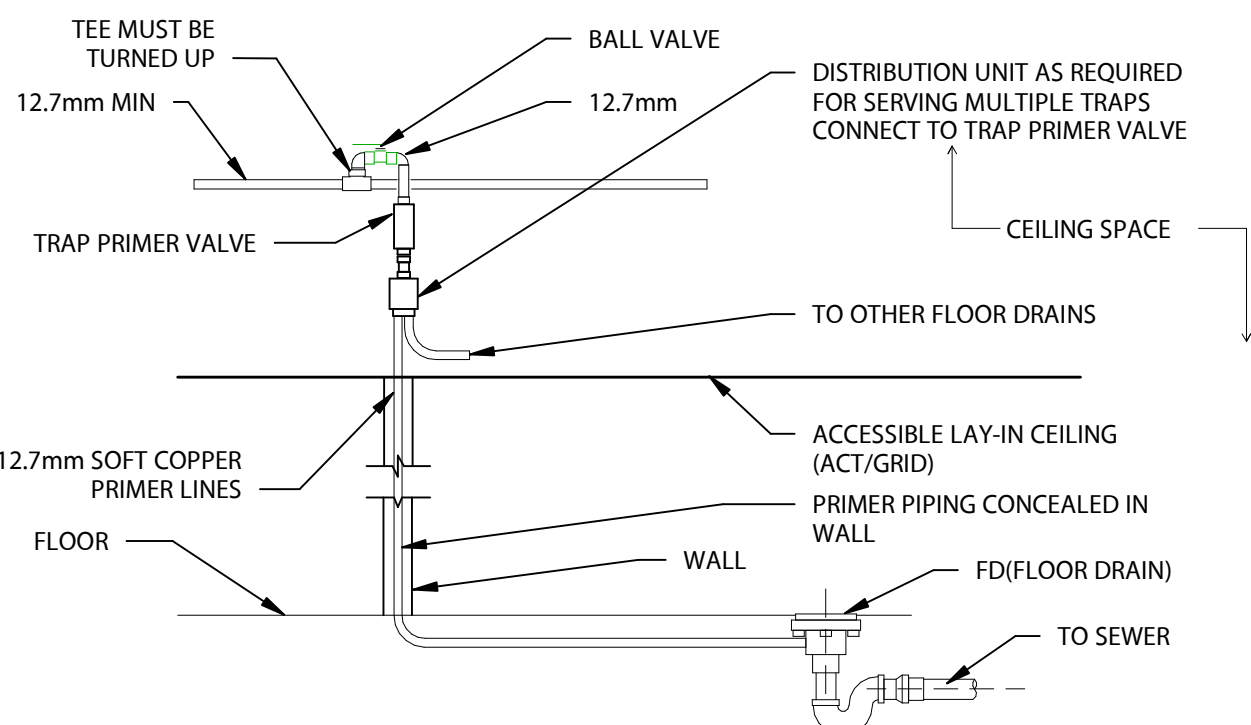
5 WATER FLOW METER ASSEMBLY  
NOT TO SCALE



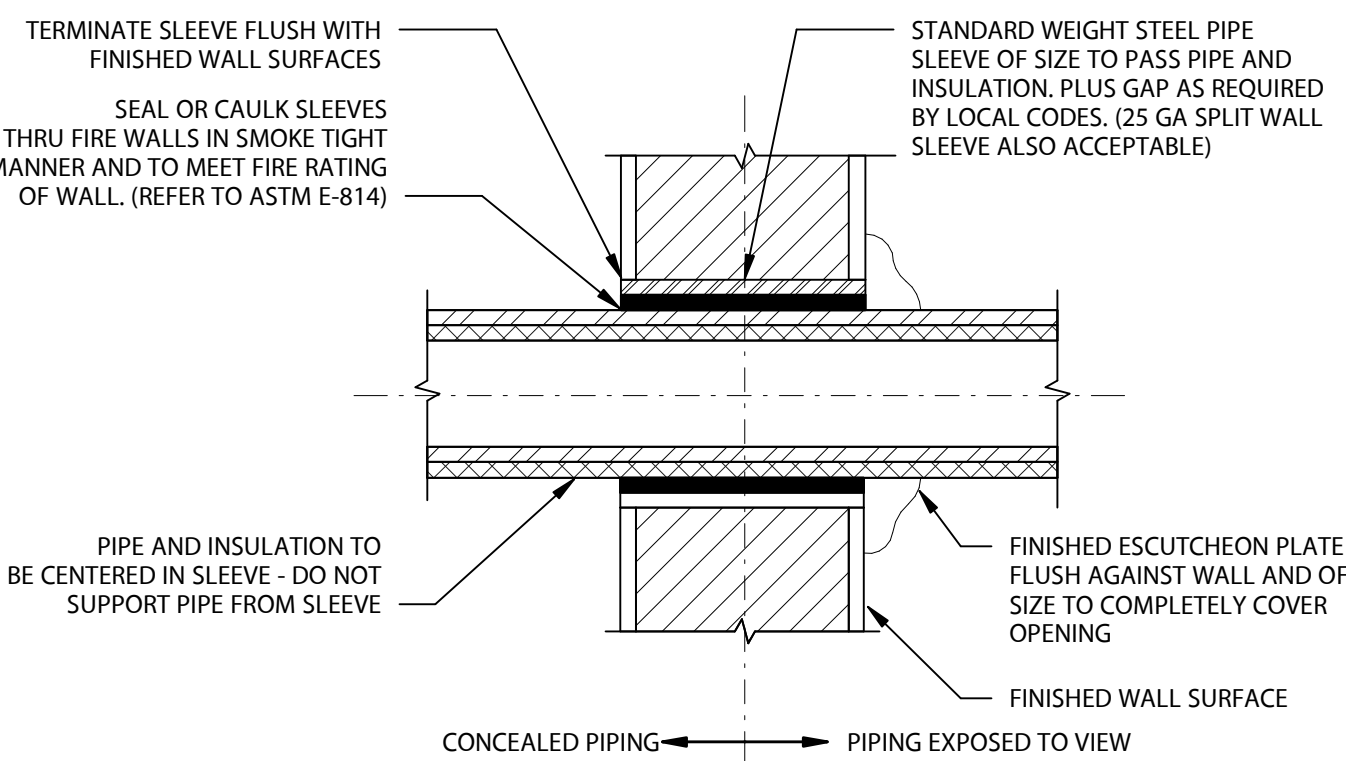
4 WATER HEATER WITH RE-CIRCULATION PUMP  
NOT TO SCALE



3 FLOOR DRAIN  
NOT TO SCALE



2 TRAP PRIMER  
NOT TO SCALE



1 PIPE THRU FIRE RATED WALL  
NOT TO SCALE

Apple Inc.  
One Apple Park Way  
Cupertino, CA  
95014

Architect:  
MBH Architects  
www.mbharch.com

Consultant:  
TES Engineering  
www.tesengineering.com

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PLUMBING GENERAL  
NOTES, SCHEDULES,  
DETAILS & SYMBOLS

P-001





Apple Inc.  
One Apple Park Way  
Cupertino, CA  
95014

Architect:  
MBH Architects  
www.mbharch.com

Consultant:  
TES Engineering  
www.tesengineering.com

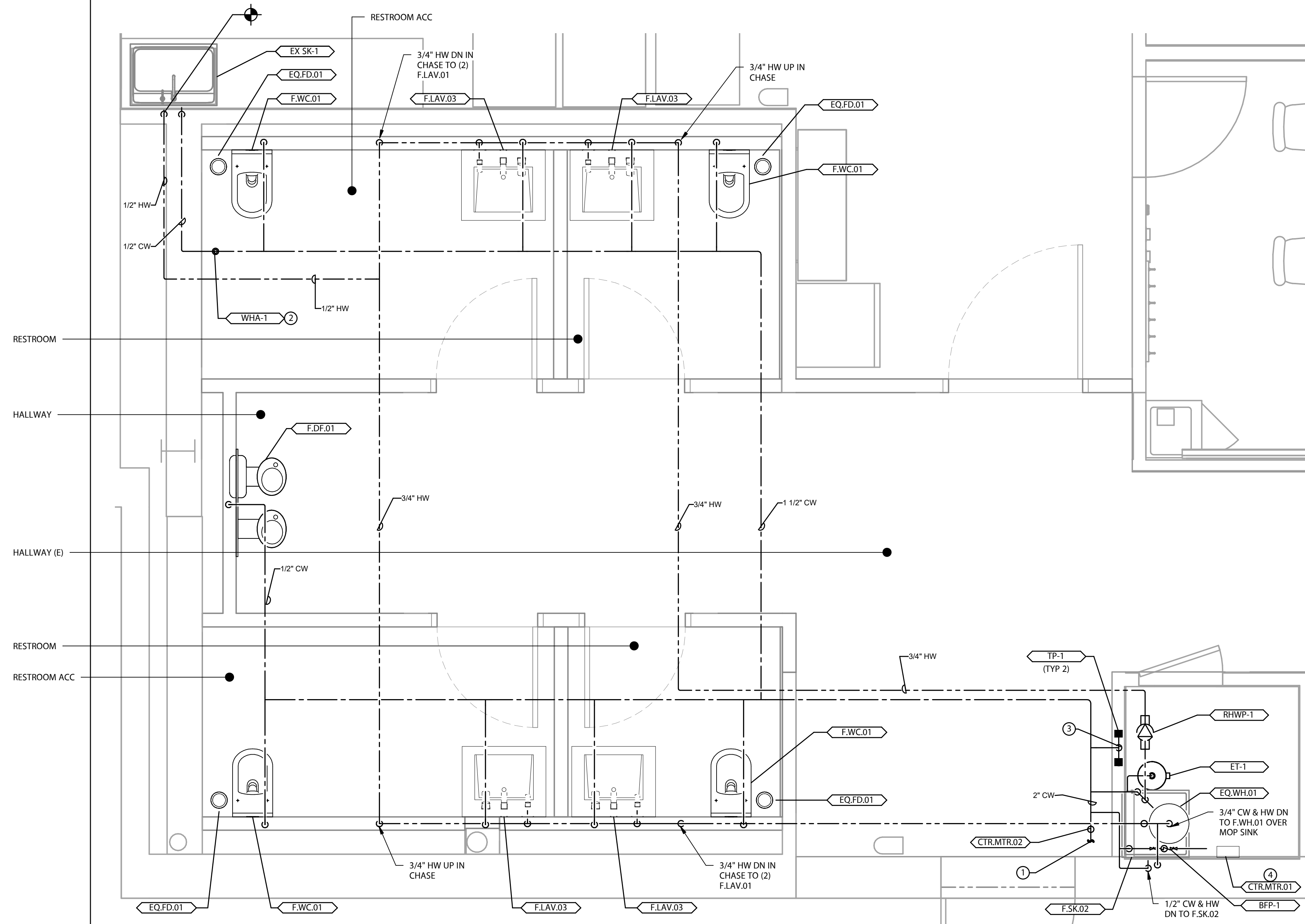
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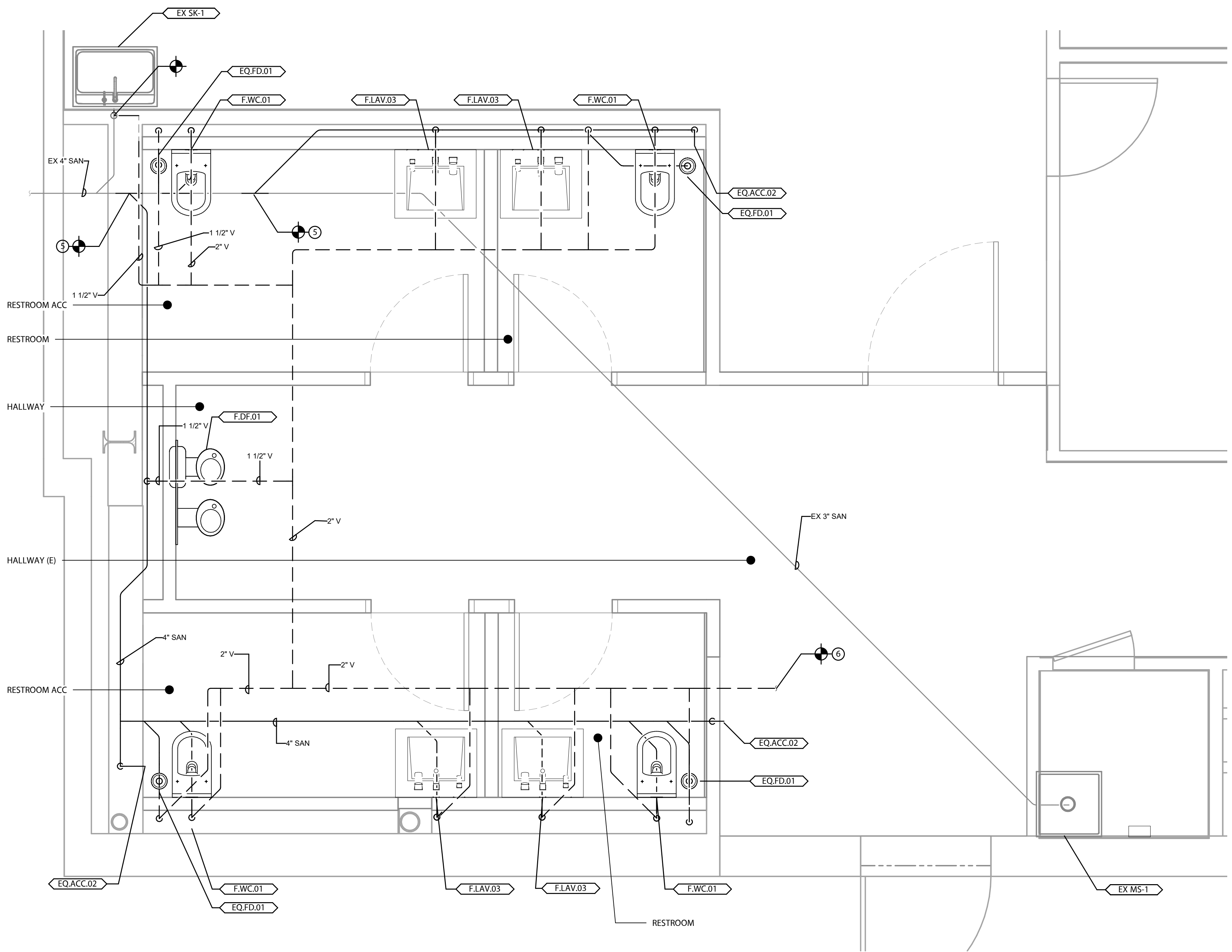
BACKSTAGE - PLUMBING  
PLAN

P-141



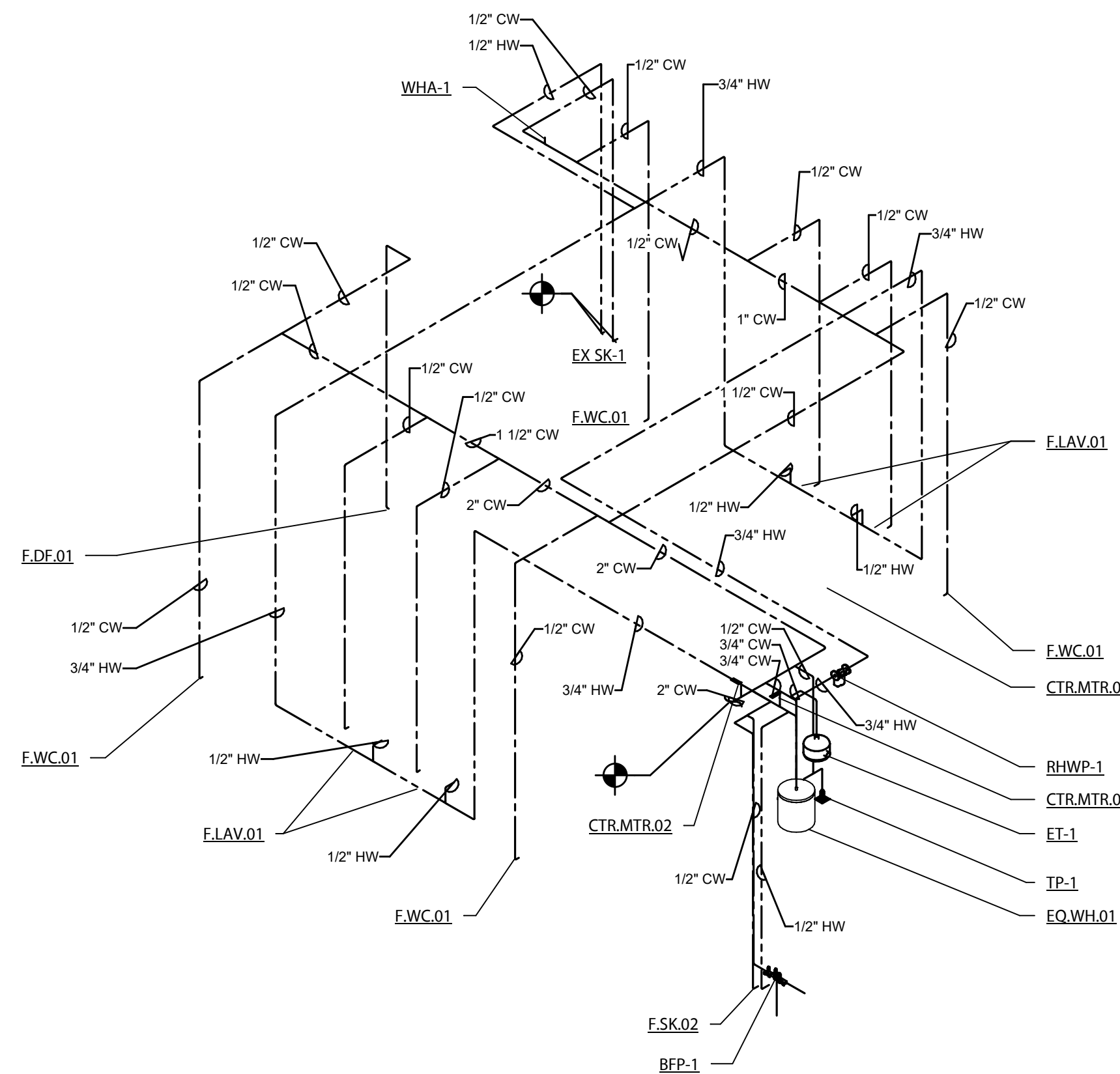
1 BACKSTAGE - PLUMBING PLAN

1/2" = 1'-0"

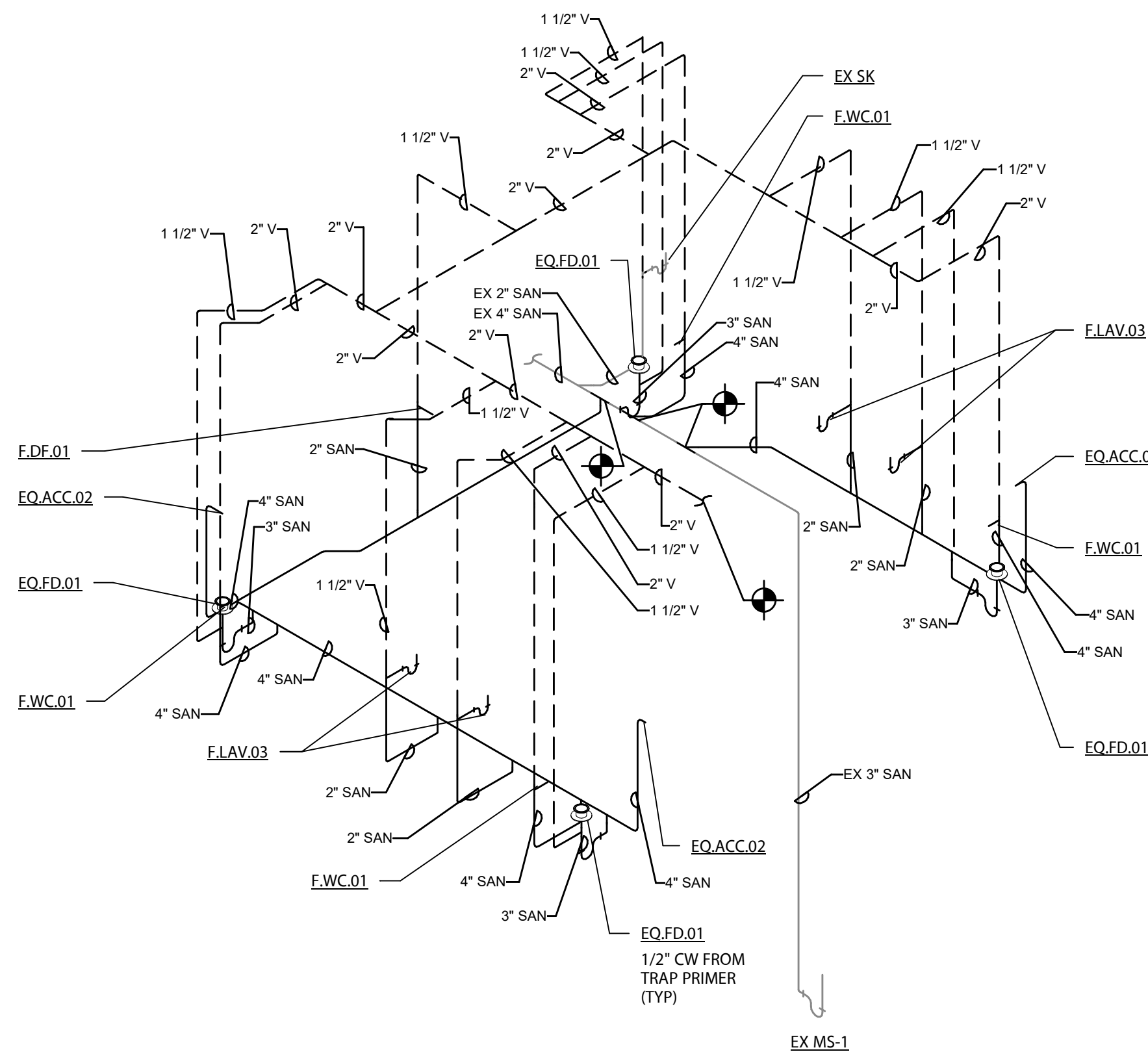


2 BACKSTAGE - SANITARY, VENT AND CONDENSATE PIPING PLAN

1/2" = 1'-0"



3 DOMESTIC WATER RISER DIAGRAM



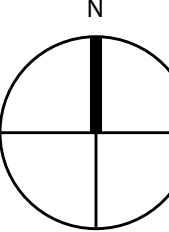
4 SANITARY WASTE & VENT DIAGRAM

#### KEY NOTES

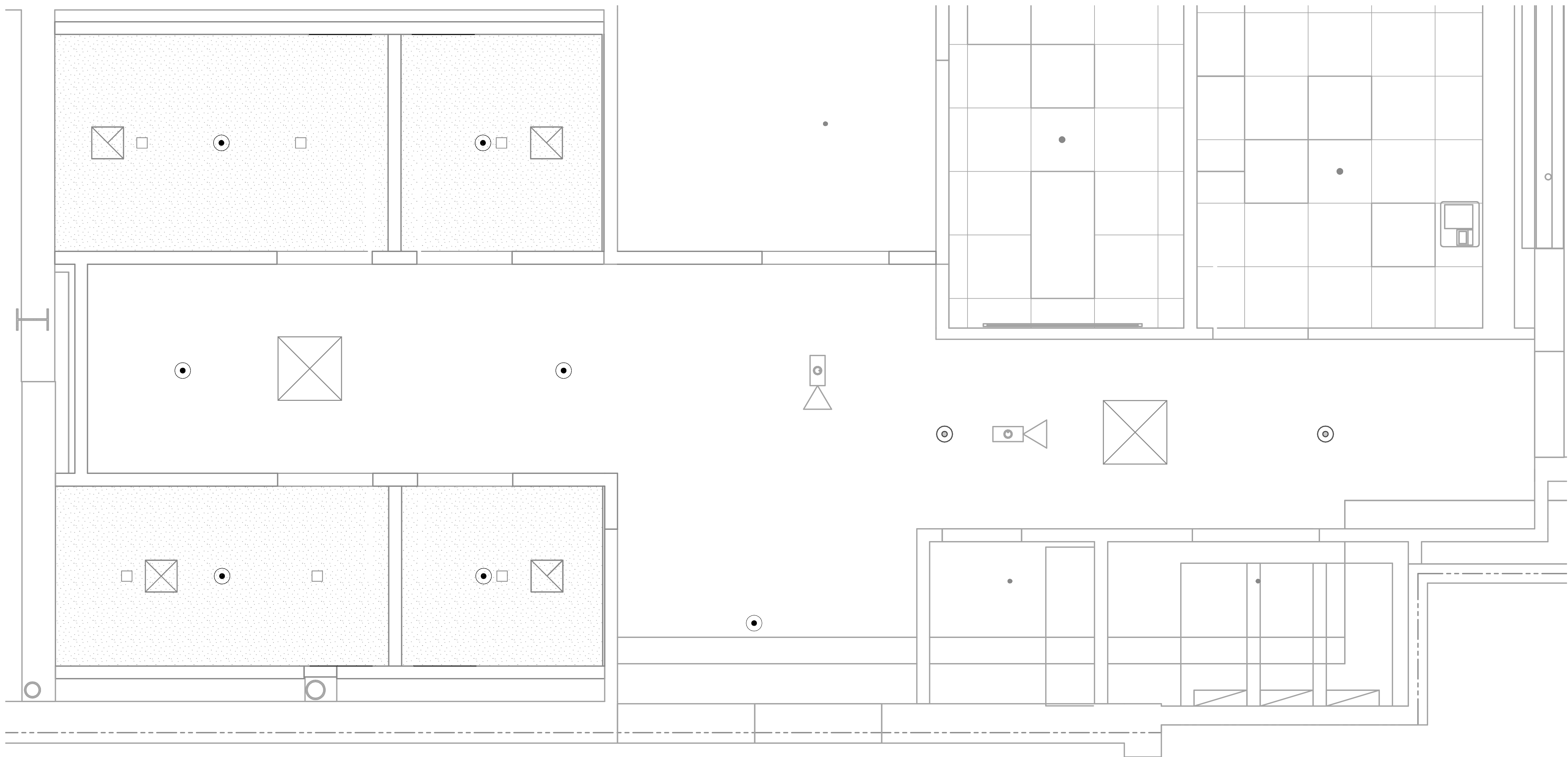
- CONNECT NEW COLD WATER LINE INTO THE EXISTING COLD WATER TAP. NOTIFY GENERAL CONTRACTOR'S CONSTRUCTION MANAGER IF TAP IS SMALLER THAN SHOWN ON THE DRAWINGS. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
- LOCATE WATER HAMMER ARRESTOR UPSTREAM OF LAST FIXTURE BRANCH. REFER TO PLUMBING SPECIFICATIONS FOR FURTHER INFORMATION.
- INSTALL 1/2" WATER PIPE FROM TRAP PRIMER DOWN IN WALL UNDER FLOOR TO FLOOR DRAIN. TRAP PRIMER TO BE LOCATED ABOVE CEILING OF RESTROOM OR IN JANITORS CLOSET. REFER TO PLUMBING SPECIFICATIONS FOR FURTHER INFORMATION.
- MOUNT BTU METER AT 10'-0" AFF. COORDINATE EXACT LOCATION WITH ARCHITECT.
- CONNECT INTO EXISTING SANITARY SERVICE AS SHOWN. FIELD VERIFY EXACT LOCATION OF MAIN PRIOR TO BIDDING.
- CONNECT TO EXISTING VENT AT THIS LOCATION. FIELD COORDINATE SIZE AND EXACT LOCATION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

#### SYMBOLS

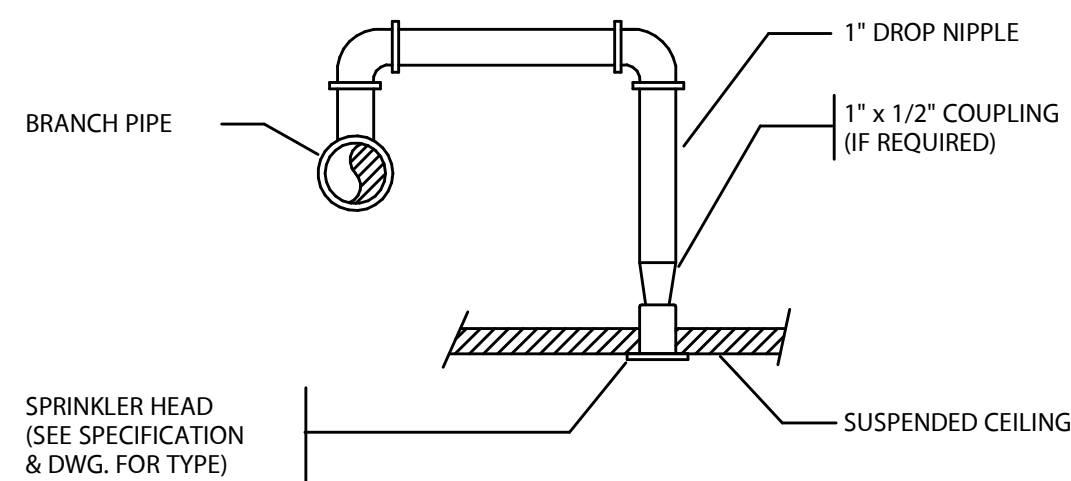
- |           |                     |
|-----------|---------------------|
| ---       | COLD WATER          |
| ---       | HOT WATER           |
| ○         | PIPE TURNING DOWN   |
| ○         | PIPE TURNING UP     |
| ■         | TRAP PRIMER         |
| ○         | WATER HEATER        |
| ↑         | WATER FLOW METER    |
| -- V --   | VENT                |
| ---SAN--- | SANITARY DRAIN LINE |
| ---D---   | DRAIN LINE          |







1 BACKSTAGE - FIRE PROTECTION PLAN  
1/2" = 1'-0"



2 SPRINKLER HEAD CONNECTION DETAIL  
NOT TO SCALE

SHEET NOTES

1. SPRINKLER HEADS SHOWN IN ACOUSTIC CEILINGS ARE TO BE CENTERED IN PANELS UNLESS OTHERWISE NOTED

SYMBOLS

○	EQ.SPR.05	STANDARD UPRIGHT SPRINKLER HEAD, COLOR PER SPEC
⊙	EQ.SPR.06	SEMI-RECESSED PENDANT SPRINKLER HEAD, COLOR PER SPEC

Apple Inc.  
One Apple Park Way  
Cupertino, CA  
95014

Architect:  
MBH Architects  
www.mbharch.com

Consultant:  
TES Engineering  
www.tesengineering.com

Apple Store  
West Town Mall  
Nanuet, NY

Project Number:  
This set originated using  
Apple Imperial Bulletin 9  
Dated 04/16/2021  
Printed Full (30"x42"), Half (15"x21")

Issued/Revised Date  
90% CD SET 12/3/2021

BACKSTAGE - FIRE  
PROTECTION PLAN AND  
DETAIL

FP-161



ABBREVIATIONS

A	AMP, AMPERES
AC	ABOVE COUNTER
ADA	AMERICANS WITH DISABILITIES ACT
AFC	ABOVE FINISHED CEILING
AFT	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANSI	AMERICAN NAT'L STANDARDS INSTITUTE
ARCH	ARCHITECT, ARCHITECTURAL
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
AV	AUDIO/VISUAL
BAS	BUILDING AUTOMATION SYSTEM
BR	BREAKER
BLOG	BUILDING
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT
CATV	CABLE TELEVISION SYSTEM
C/B	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CFM	CUBIC FEET PER MINUTE
CKT	CIRCUIT
CLG	CEILING
C/R	CONTROLLED RECEPTACLE
CT	CURRENT TRANSFORMER
CW	COLD WATER
D	DEEP, DEPTH
DACT	DIGITAL ALARM COMMUNICATING TRANSMITTER
DB	DECEBEL
DDC	DIRECT DIGITAL CONTROL
Δ	DELTA
DIA	DIAMETER
DISC	DISCONNECT
DN	DOWN
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EMT	ELECTRICAL METALLIC TUBING
ETR	EXISTING TO REMAIN
EW	ELECTRICAL WATER COOLER
EXH	EXHAUST
EX, EXIST	EXISTING
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FABA	FIRE ALARM REMOTE ANNUNCIATOR
FLA	FULL LOAD AMPS
FPC	FIRE PROTECTION CONTRACTOR
FT	FOOT, FEET
G, GRD	GROUND
GC	GENERAL CONTRACTOR
GFI, GFCI	GROUND FAULT INTERRUPTER
HID	HIGH INTENSITY DISCHARGE
HTR	HEATER
HVAC	HEATING, VENTILATING & A/C
IBC	INTERNATIONAL BUILDING CODE
IG	ISOLATED GROUND
IN	INCH, INCHES
KVA	KILOVOLT-AMPS
KW	KILOWATTS
KWH	KILOWATT-HOUR
L	LENGTH
LED	LIGHT EMITTING DIODE
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MH	METAL HALIDE
MIN	MINIMUM
MOCP	MAXIMUM OVER CURRENT PROTECTION
MTD	MOUNTED
MUA	MAKE UP AIR
N/A	NOT APPLICABLE
N.C.	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MFR'S ASSOC.
NFPA	NATIONAL FIRE PROTECTION ASSOC.
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OH	OVERHEAD
OS	OCCUPANCY SENSOR
OSHA	OCCUPATIONAL SAFETY & HEALTH ADMIN.
P	POLE
PB	PUSH BUTTON
PC	PLUMBING CONTRACTOR
PF	POWER FACTOR
PH	PHASE
PVC	POLYVINYL CHLORIDE
RCP	REFLECTED CEILING PLAN
REV	REVISION
REX	REMOVE EXISTING
RGS	RIGID GALVANIZED STEEL
RLA	RUNNING LOAD AMPS
RM	ROOM
RR	REMOVE AND RELOCATE
RTU	ROOF TOP UNIT
SE	SERVICE ENTRANCE
SF	SQUARE FEET, SQUARE FOOT
T/C	TIME CLOCK
THRU	THROUGH
TRANS	TRANSFORMER
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES, INC.
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTED POWER SUPPLY
VA	VOLT-AMPERE
W	WATT, WIDTH
W/	WITH
WP	WEATHERPROOF
XFMR	TRANSFORMER
Y	WYE

EQUIPMENT INDICATOR

XXX	IDENTIFIER
XXX-XXX-XX	OWNER PRODUCT CODE
XXX-XXX-XX-XXX	OWNER PRODUCT CODE WITH IDENTIFIER

REFERENCE SYMBOLS

(NOT ALL SYMBOLS USED ON DRAWINGS)

---	WIRE CONDUIT
---	WITHIN FLOOR
---	WIRE/CONDUIT
---	WITHIN WALL OR CEILING
---	MECHANICAL SYSTEM
---	TOUCH PANEL
---	ELECTRICAL PANEL
---	ELECTRICAL TRANSFORMER
---	20A/125V DUPLEX RECEPTACLE (WHITE)
---	20A/125V CEILING RECEPTACLE (BLACK)
---	20A/125V DUPLEX RECEPTACLE - HORIZONTAL
---	20A/125V QUADRUPLX RECEPTACLE (WHITE)
---	30A/125V TWIST LOCK POWER RECEPTACLE
---	15A/125V TWIST LOCK POWER RECEPTACLE
---	20A/125V CEILING SOFFIT RECEPTACLE
---	20A/125V GFI DUPLEX RECEPTACLE (WHITE)
---	20A/125V QUADRUPLX RECEPTACLE - 2 CONTROLLED & 2 UNCONTROLLED
---	SINGLE PLEX RECEPTACLE ON PLUG STRIP
---	20A DOUBLE POLE SWITCH
---	30A DOUBLE POLE SWITCH
---	DISCONNECT SWITCH
---	"XXA" INDICATES AMPERAGE RATING
---	JUNCTION BOX - CEILING MOUNTED
---	JUNCTION BOX - WALL MOUNTED
---	SHALLOW STONE FLOOR DATA BOX - SALES
---	SHALLOW STONE FLOOR 4 DATA BOX - SALES
---	TABLE LEG SHALLOW STONE FLOOR DATA BOX - SALES
---	AVENUE WALL EQUIPMENT (DMX REPEATER)
---	ILLUMINATED LOGO
---	1-PORT DATA PLATE (WHITE)
---	1-PORT DATA PLATE (BLACK)
---	2-PORT DATA PLATE (WHITE)
---	4-PORT DATA PLATE (WHITE)
---	6-PORT DATA PLATE (WHITE)
---	WIRELESS ACCESS POINT - INTERNAL ANTENNA
---	5G WIRELESS ACCESS POINT - INTERNAL ANTENNA
---	STAND-ALONE WALL MOUNTED OCCUPANCY SENSOR
---	TOUCH SCREEN CONTROLLER
---	2 BUTTON LIGHTING CONTROLLER
---	CEILING MOUNTED OCCUPANCY SENSOR
---	SECURITY ALARM KEYPAD
---	SECURITY CAMERA - (SALES)
---	MOTION SENSOR - CEILING MTD (BKS)
---	MOTION SENSOR - CEILING MTD (SALES)
---	GLASS BREAK
---	SHOPPER TRACK
---	SOUND SYSTEM SPEAKER - (SALES)
---	DOOR BELL
---	PUSH BUTTON
---	KEYPAD
---	KEYPAD AND CARD READER
---	MOTION SENSOR - WALL MTD (BKS)
---	MOTION SENSOR - CEILING MTD
---	DOOR CONTACT
---	MOTION SENSOR - WALL MTD
---	SECURITY CAMERA - CEILING MTD (BKS)
---	SECURITY CAMERA - OPEN CEILING MTD (BKS)
---	WALL MOUNT FIRE ALARM AUDIO/VISUAL DEVICE
---	CEILING MOUNT FIRE ALARM AUDIO/VISUAL DEVICE
---	CEILING MOUNT FIRE ALARM VISUAL ONLY DEVICE
---	DATA/VIDEO WALL CABINETS
---	ILLUMINATED LOGO

EQUIPMENT RESPONSIBILITY MATRIX

EQUIPMENT INDICATOR		DESCRIPTION	MANUFACTURER	SPECIFICATION #	FURNISHED BY	INSTALLED BY	QUANTITY
OWNER PRODUCT CODE	IDENTIFIER						
-	-	DOUBLE POLE SWITCH-30A	LEVITON	SWITCH-3022-2W COVERPLATE: 80501-W	GENERAL CONTRACTOR	GENERAL CONTRACTOR	1
-	T59	STAND-ALONE WALL MOUNTED OCCUPANCY SENSOR	LUTRON	MS-VP55M-WH	OWNER LIGHTING VENDOR	GENERAL CONTRACTOR	4
-	T78	CEILING MOUNTED OCCUPANCY SENSOR	LUTRON	OCC SENSOR: LOS CDT-2000-WH POWER PACK: PP-DV	OWNER LIGHTING VENDOR	GENERAL CONTRACTOR	1
-	T200	CONTROL INTERFACE	LUTRON	OMX-IO	OWNER LIGHTING VENDOR	GENERAL CONTRACTOR	1
-	T201	CONTROL INTERFACE	LUTRON	GRX-1VI	OWNER LIGHTING VENDOR	GENERAL CONTRACTOR	1
ELF.GL.06	-	RECESSED 2' x 2' LED (2000 LUMENS)	FOCAL POINT	FZR-22-FL-2000L-35K-1C-UNV-LD1-ST-WH EM-FZR-22-FL-2000L-35K-1C-UNV-LD1-ST-EM-WH	GENERAL CONTRACTOR	GENERAL CONTRACTOR	6
ELF.GL.12	-	SQUARE TRIMLESS RESTROOM DOWNLIGHT	FOCAL POINT	FLC33D-SDT-SW-1500L-UNV-D11-T-EMR/LC33-SD T-SW-1500L-935-DNT-VWFL-**	GENERAL CONTRACTOR	GENERAL CONTRACTOR	6
ELF.GL.13	-	WALL MOUNTED RESTROOM VANITY LIGHT	EDGE LIGHTING	BV2-1RE-24IN-35K-SA / PS-40L-ELV-24DC	GENERAL CONTRACTOR	GENERAL CONTRACTOR	4
E.RPT.PWR.02	-	DUPLEX RECEPTACLE-20A/125V NEMA 5-20R (WHITE)	LEVITON	RECEPTACLE: 16352-W COVERPLATE: 80301-SW	GENERAL CONTRACTOR	GENERAL CONTRACTOR	1
E.RPT.PWR.13	-	GFI RECEPTACLE-20A/125V NEMA 5-20R (WHITE)	LEVITON	RECEPTACLE: GFWT2-W COVERPLATE: 80301-SW	GENERAL CONTRACTOR	GENERAL CONTRACTOR	2

EQUIPMENT RESPONSIBILITY MATRIX NOTES:  
1. UNLESS OTHERWISE NOTED, ALL OTHER EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.

BACKSTAGE LUMINAIRE SCHEDULE

EQUIPMENT INDICATOR		WATTAGE		DESCRIPTION	MANUFACTURER	MODEL	VOLTAGE	FURNISHED BY	INSTALLED BY	QUANTITY
OWNER PRODUCT CODE	IDENTIFIER	LAMP	WATTAGE							
ELF.GL.06	-	LED	18 W	RECESSED 2' x 2' LED (2000 LUMENS)	FOCAL POINT	FZR-22-FL-2000L-35K-1C-UNV-LD1-ST-WH EM-FZR-22-FL-2000L-35K-1C-UNV-LD1-ST-EM-WH	120 V	GENERAL CONTRACTOR	GENERAL CONTRACTOR	6
ELF.GL.12	-	LED	19 W	SQUARE TRIMLESS RESTROOM DOWNLIGHT	FOCAL POINT	FLC33D-SDT-SW-1500L-UNV-D11-T-EMR/LC33-SD T-SW-1500L-935-DNT-VWFL-**	120 V	GENERAL CONTRACTOR	GENERAL CONTRACTOR	6
ELF.GL.13	-	LED	19 W	WALL MOUNTED RESTROOM VANITY LIGHT	EDGE LIGHTING	BV2-1RE-24IN-35K-SA / PS-40L-ELV-24DC	120 V	GENERAL CONTRACTOR	GENERAL CONTRACTOR	4

COMcheck Software Version 4.1.5.3  
Interior Lighting Compliance Certificate

Project Information		
Energy Code:	2018 IECC	
Project Title:	Apple Nanuet	
Project Type:	Alteration	
Construction Site:	Owner/Agent:	Designer/Contractor:
8115 Fashion Dr. Nanuet, NY 10954		TES Engineering 25760 First St. Cleveland, OH 44145

Allowed Interior Lighting Power				
A Area Category		B Floor Area (ft2)	C Allowed Watts /ft2	D Allowed Watts (B X C)
1-Restroom (Common Space Types:Restrooms)		192	0.85	163
2-Corridor (Common Space Types:Corridor/Transition <8 ft wide)		362	0.66	239
Total Allowed Watts =				402
Proposed Interior Lighting Power				
Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast		B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.
		E (C X D)		
Restroom ( Common Space Types:Restrooms 192 sq.ft.)				
LED: LF.GL.12; Other:		1	6	19
LED: 3-LF.GL.13; Other:		1	4	19
Corridor ( Common Space Types:Corridor/Transition <8 ft wide 362 sq.ft.)				
LED: LF.GL.06; Other:		1	6	18
Total Proposed Watts =				298

Interior Lighting PASSES		
Interior Lighting Compliance Statement		
Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.3 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.		
Kyle Kilmer	Kyle Kilmer	11/30/2021
Name - Title	Signature	Date

Project Title: Apple Nanuet  
Data filename: G:\Apple\Gender Neutral Restrooms\Nanuet - R0460\Engineering\Electrical\Nanuet Comcheck.cc Page 1 of 6  
Report date: 11/30/21



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One Apple Park Way  
Cupertino, CA  
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GENERAL NOTES:

- ITEMS TAGGED WITH AN OWNER PRODUCT CODE HAVE BEEN STANDARDIZED AMONG THE OWNER'S PROJECTS, AND SHALL BE USED WHENEVER POSSIBLE. SUBSTITUTION REQUESTS MAY BE SUBMITTED PER THE CRITERIA IN THE SPECIFICATIONS. SOME OWNER PRODUCT CODE TAGS ALSO INCLUDE AN IDENTIFIER SUFFIX, TO PROVIDE INFORMATION ABOUT SIZE, LOCATION, OR OTHER CHARACTERISTICS OF AN OWNER PRODUCT.
- ITEMS TAGGED ONLY WITH AN IDENTIFIER ARE NOT STANDARDIZED, AND PROJECT TEAMS SHALL SELECT THE APPROPRIATE PRODUCT FOR EACH PROJECT, BASED ON PROJECT CONDITIONS AND ANY REQUIREMENTS LISTED IN THE SPECIFICATIONS OR ELSEWHERE IN THE CONTRACT DOCUMENTS.

REFERENCE SYMBOLS,  
LUMINAIRE SCHEDULE &  
RESPONSIBILITY MATRIX

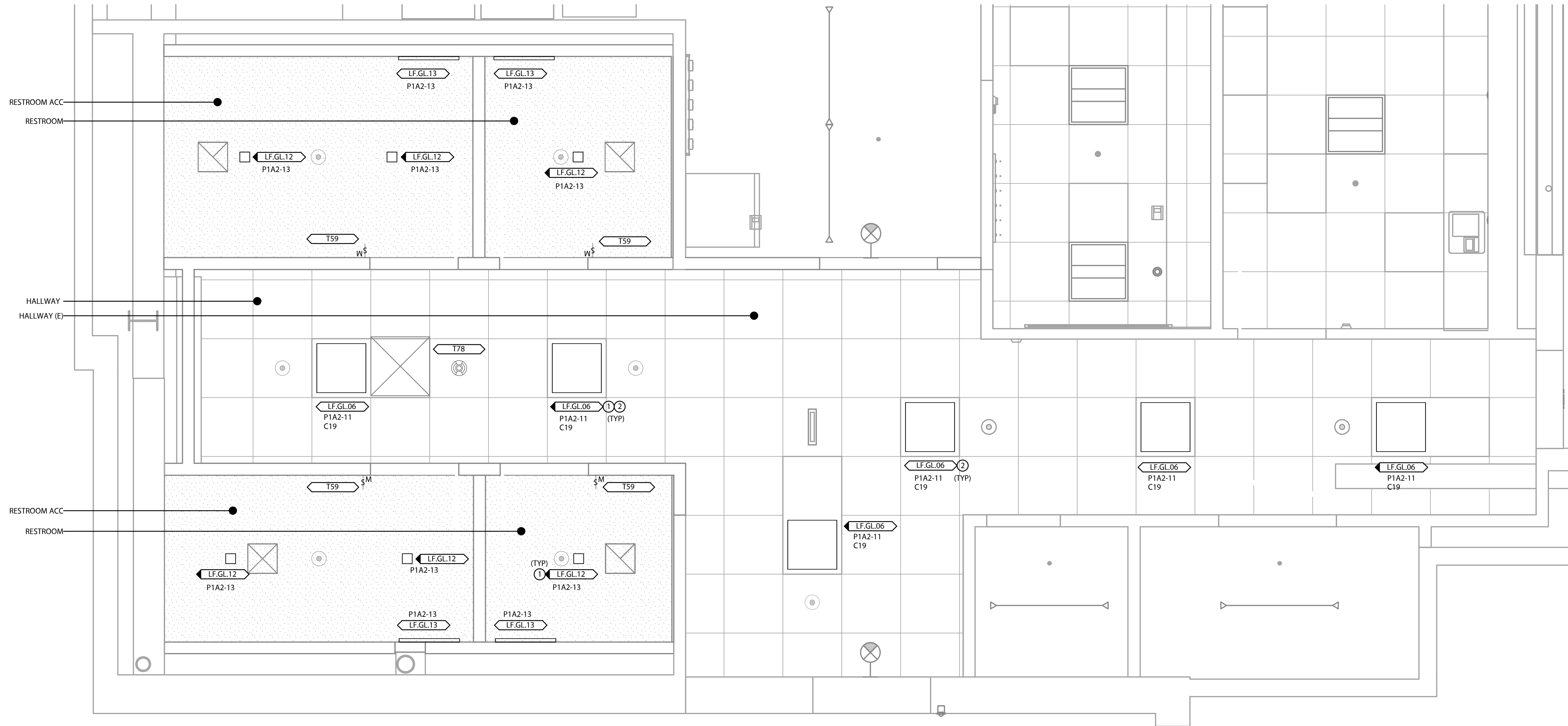




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# 1 BACKSTAGE - LIGHTING PLAN

1/2" = 1'-0"

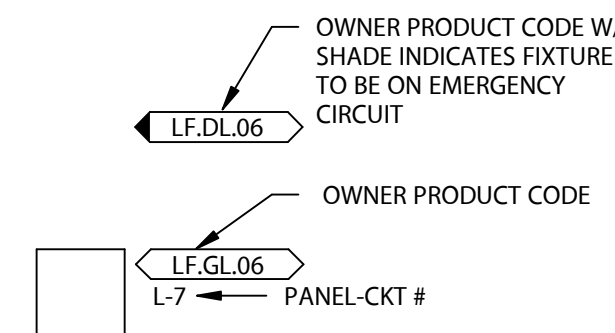
## SHEET NOTES

- GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR MUST VISIT THE SITE TO VERIFY ALL EXISTING CONDITIONS, AND SHALL THOROUGHLY REVIEW THE COMPLETE DRAWINGS SET BEFORE FILLING THE BID FORM. IN THE BID, THE CONTRACTOR SHALL ACCOUNT FOR THE FURNISHING AND INSTALLMENT OF CONDUIT, BOXES, AND WIRING NECESSARY FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR SO THAT INTERFERENCE WITH OTHER TRADES CAN BE AVOIDED.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING INCREASED WIRE SIZES DUE TO FIELD CONDITIONS RESULTING IN EXTENDED CONDUIT PATHS. GROUND WIRE SIZES ARE REQUIRED TO BE ADJUSTED PER ARTICLE 250 OF THE NEC WHEN WIRES ARE INCREASED FOR VOLTAGE DROPS.
- ALL LOW VOLTAGE WIRING SHALL BE SUPPORTED BY J-HOOKS OR RUN IN CABLE TRAYS OR WIRE BASKETS PER THE SPECIFICATIONS UNLESS OTHERWISE REQUIRED BY CODE TO BE RUN IN CONDUIT. VERIFY ALL REQUIREMENTS PRIOR TO BID.
- ALL LOW VOLTAGE WIRING SHALL BE LABELED PER THE SPECIFICATIONS.
- ALL LIGHT FIXTURES IN THE BACKSTAGE ARE SUITABLE FOR GENERAL AND EMERGENCY USE, AS DETERMINED BY WIRING THE FIXTURES THROUGH THE LIGHTING PANEL OR THROUGH THE INVERTER.
- CONTRACTOR MAY COMBINE THREE (3) CIRCUITS PER NEUTRAL AND GROUND WIRE, WHERE NEUTRAL SERVES MORE THAN ONE PHASE FOR COMPUTER CIRCUITS, THE NEUTRAL SHALL BE SIZED AT TWICE THE CURRENT CARRYING CAPACITY OF THE PHASE WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMMON TRIP FOR ALL UNGROUNDED CONDUCTORS SHARING THE SAME NEUTRAL. THE COMMON TRIP MAY BE A TWO OR THREE POLE CIRCUIT BREAKER, OR APPROVED HANDLE TIE.
- ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR SO THAT INTERFERENCE WITH OTHER TRADES CAN BE AVOIDED.
- CONDUIT RUNS SHALL FOLLOW A DIRECT PATH ALONG THE LEFT AND RIGHT SIDE OF THE STORE TO PROVIDE THE SHORTEST PATH BACK TO THE ELECTRICAL PANELBOARDS TO MINIMIZE VOLTAGE DROP OF BRANCH FEEDERS.
- WIRE ALL NIGHT LIGHTING, EXIT SIGNS, EMERGENCY FIXTURES AHEAD OF LOCAL SWITCHING, UNLESS OTHERWISE NOTED.

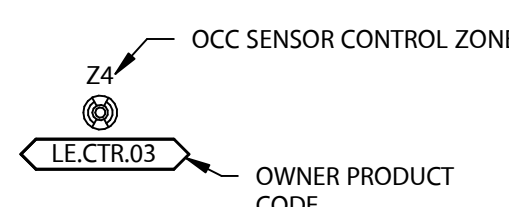
## KEY NOTES

- ALL FIXTURE TAGS BEGINNING WITH A SHADED REGION SHALL BE PROVIDED WITH AN INTEGRAL EMERGENCY BATTERY PACK. WIRE ALL EMERGENCY FIXTURES AHEAD OF LIGHTING CONTROL, UNLESS OTHERWISE NOTED. THE BATTERY PROVIDES EMERGENCY POWER TO EACH FIXTURE TO ILLUMINATE THE MEANS OF EGRESS FOR A DURATION OF NOT LESS THAN 90 MINUTES.
- EXTEND EXISTING BRANCH CIRCUIT WIRING TO LIGHT FIXTURE LOCATION AS INDICATED ON PLAN. PROVIDE NEW WIRING WHERE REQUIRED. VERIFY EXISTING CIRCUIT LOAD DOES NOT EXCEED 80% OF THE CIRCUIT BREAKER RATING.

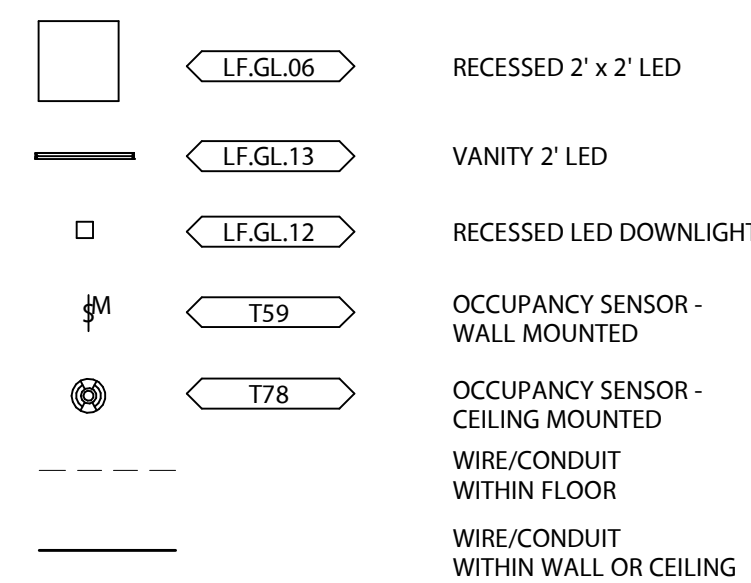
## FIXTURE LABELING LEGEND



## OCC SENSOR/KEYPAD LABELING LEGEND



## SYMBOLS



Apple Store  
West Town Mall  
Nanuet, NY

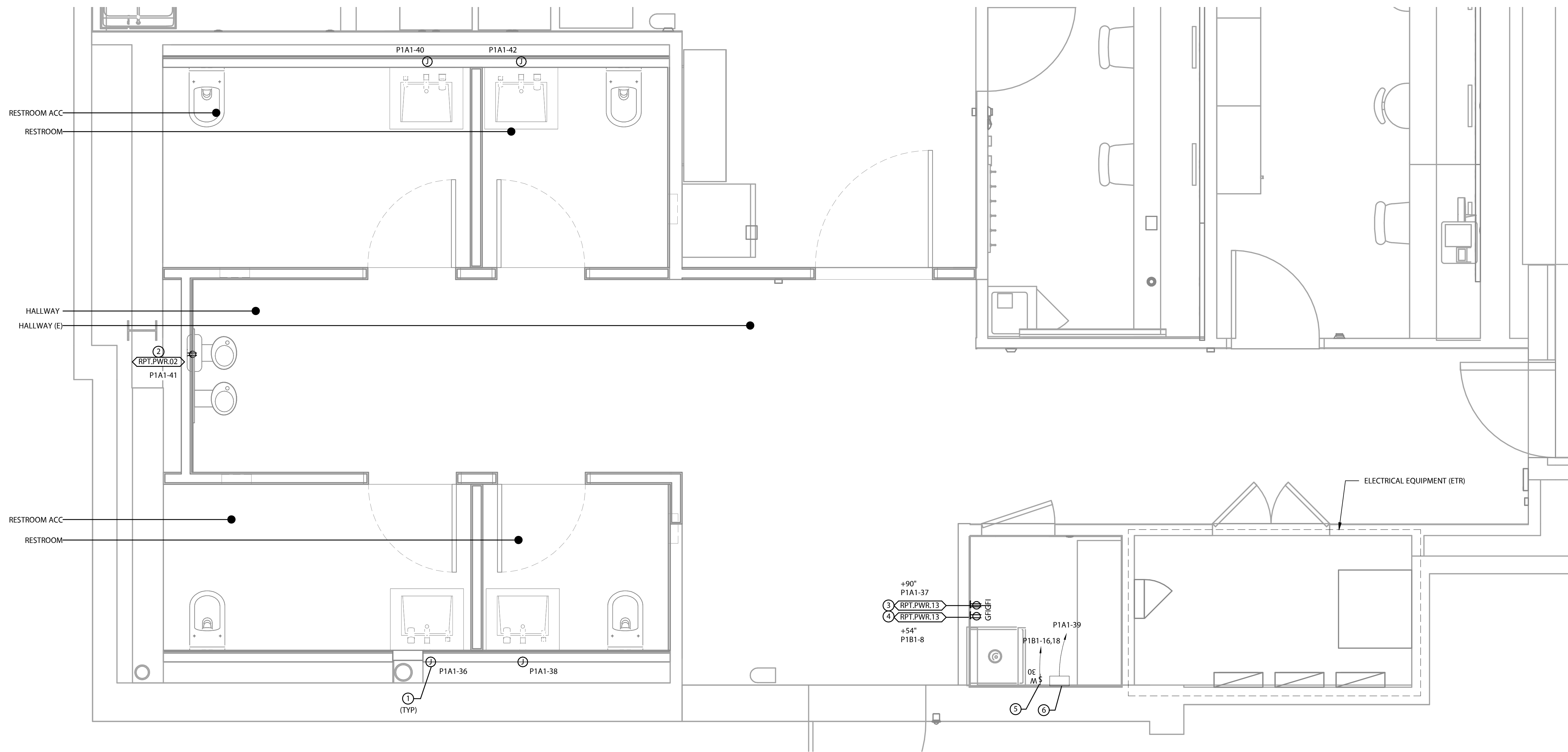
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BACKSTAGE - LIGHTING  
PLAN

E-161





2 BACKSTAGE - POWER PLAN  
1/2" = 1'-0"

#### SHEET NOTES

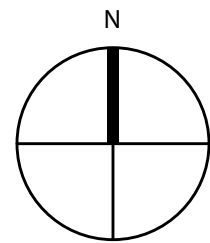
- GENERAL CONTRACTOR / ELECTRICAL CONTRACTOR MUST VISIT THE SITE TO VERIFY ALL EXISTING CONDITIONS, AND SHALL THOROUGHLY REVIEW THE COMPLETE DRAWINGS SET BEFORE FILLING THE BID FORM. IN THE BID, THE CONTRACTOR SHALL ACCOUNT FOR THE FURNISHING AND INSTALLMENT OF CONDUIT, BOXES, AND WIRING NECESSARY FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR SO THAT INTERFERENCE WITH OTHER TRADES CAN BE AVOIDED.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING INCREASED WIRE SIZES DUE TO FIELD CONDITIONS RESULTING IN EXTENDED CONDUIT PATHS. GROUND WIRE SIZES ARE REQUIRED TO BE ADJUSTED PER ARTICLE 250 OF THE NEC WHEN WIRES ARE INCREASED FOR VOLTAGE DROPS.
- ALL LOW VOLTAGE WIRING SHALL BE SUPPORTED BY J-HOOKS OR RUN IN CABLE TRAYS OR WIRE BASKETS PER THE SPECIFICATIONS UNLESS OTHERWISE REQUIRED BY CODE TO BE RUN IN CONDUIT. VERIFY ALL REQUIREMENTS PRIOR TO BID.
- CONTRACTOR MAY COMBINE THREE (3) CIRCUITS PER NEUTRAL AND GROUND WIRE, WHERE NEUTRAL SERVES MORE THAN ONE PHASE FOR COMPUTER CIRCUITS. THE NEUTRAL SHALL BE SIZED AT TWICE THE CURRENT CARRYING CAPACITY OF THE PHASE WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMMON TRIP FOR ALL UNGROUNDED CONDUCTORS SHARING THE SAME NEUTRAL. THE COMMON TRIP MAY BE A TWO OR THREE POLE CIRCUIT BREAKER, OR APPROVED HANDLE TIE.
- ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR SO THAT INTERFERENCE WITH OTHER TRADES CAN BE ALL CABLE TROUGHS, CABLE TRAYS, RACEWAYS, AND CONDUIT RUNS SHALL FOLLOW A DIRECT PATH ALONG THE LEFT AND RIGHT SIDE OF THE STORE TO PROVIDE THE SHORTEST PATH BACK TO THE ELECTRICAL PANELBOARDS TO MINIMIZE VOLTAGE DROP OF BRANCH FEEDERS.
- RECEPTACLES IN BACKSTAGE AREAS ARE TO BE LOCATED AT 1'-6" AFF UNLESS OTHERWISE NOTED IN ELECTRICAL OR ARCHITECTURAL DRAWINGS.

#### KEY NOTES

- PROVIDE RECEPTACLE FOR POWER TO SOAP DISPENSER. FIELD COORDINATE EXACT LOCATION WITH ARCHITECT. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- PROVIDE 120V CIRCUIT FOR WATER FOUNTAIN BOTTLE FILLING RECEPTACLE AND JUNCTION BOX. VERIFY EXACT LOCATION WITH ARCHITECT.
- PROVIDE RECEPTACLE FOR RECIRCULATION DOMESTIC HOT WATER PUMP. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
- PROVIDE RECEPTACLE FOR CHEMICAL DISPENSER. COORDINATE LOCATION WITH ARCHITECT AND MANUFACTURER'S INSTRUCTIONS.
- E.C. TO PROVIDE DISCONNECT SWITCH FOR WATER HEATER. WIRE WITH 2#10,1#10GND-3/4"C TO CIRCUIT INDICATED.
- PROVIDE 120V CIRCUIT FOR DOMESTIC HOT WATER ENERGY METER LOCATED AT 10'-0" AFF. VERIFY EXACT LOCATION WITH ARCHITECT.

#### SYMBOLS

	RPT.PWR.02	20A/125V DUPLEX RECEPTACLE
	RPT.PWR.13	20A/125V GFI DUPLEX RECEPTACLE
		30A DOUBLE POLE SWITCH
		JUNCTION BOX - CEILING MOUNTED
		WIRE/CONDUIT WITHIN FLOOR
		WIRE/CONDUIT WITHIN WALL OR CEILING



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BACKSTAGE - POWER  
PLAN

E-241





Consultant:  
**TES Engineering**  
[www.tesengineering.com](http://www.tesengineering.com)

PANEL NAME		CIRCUIT BREAKER REMARKS		PANEL CHARACTERISTICS					CIRCUIT BREAKER TYPE/ACCESSORY		OPTIONS	
P1A2		CC=CONTROLLED CIRCUIT, EX=EXISTING LOAD TO REMAIN, ML=MODIFIED LOAD ON EXISTING BREAKER, CC=CIRCUIT WIRED THROUGH CURRENT LIMITER		225	100	208 / 120	10K		A=AFCI, S=SHUNT TRIP, H=HACR, G=GFCI, L=C/B LOCK, IT=HANDLE THE NB=NEW CIRCUIT BREAKER	MOUNTING SURFACE		
				BUSM C B 3-Ø, 4-W AIC					BUS MATERIAL COPPER			
Ckt No	Breaker (Remarks)	LOAD DESCRIPTION		Load Type	Load VA	Phasing (L1 L2 L3)	Load VA	Load Type	LOAD DESCRIPTION	Breaker (Remarks)	Ckt No	
1	201 <sup>EX</sup>	L	LIGHTING PANEL MOD 1-1	L	1,000		1,260	L	LIGHTING PANEL MOD 1-2	EX 201	2	
3	201 <sup>EX</sup>	L	LIGHTING PANEL MOD 1-3	L	1,260		1,260	L	LIGHTING PANEL MOD 1-4	EX 201	4	
5	201 <sup>EX</sup>	L	LIGHTING PANEL MOD 2-1	L	1,731		1,731	L	LIGHTING PANEL MOD 2-2	EX 201	6	
7	201 <sup>EX</sup>	L	LIGHTING PANEL MOD 2-3	L	1,154		864	L	LIGHTING PANEL MOD 3-1	EX 201	8	
9	201 <sup>EX</sup>	L	LIGHTING PANEL MOD 3-2	L	984		140	L	LIGHTING PANEL MOD 3-3	EX 201	10	
11	201 <sup>ML</sup>	L	LIGHTING PANEL MOD 5(A)	L	1,608		X		SPARE	EX 201	12	
13	201 <sup>ML</sup>	L	LIGHTING PANEL MOD 3-4	L	228		236	L	LIGHTING PANEL MOD 4-3	EX 201	14	
15	201 <sup>EX</sup>	L	LIGHTING PANEL MOD 4-1	L	295		330	L	LIGHTING PANEL MOD 4-2	EX 201	16	
17	201 <sup>EX</sup>		SPARE				X		SPARE	EX 201	18	
19	201 <sup>EX</sup>	L	LIGHTING PANEL MOD 2-4	X	60		X		SPARE	EX 201	20	
21	201 <sup>EX</sup>	L	LIGHTING PANEL MOD 4-4	X	660		X		SPARE	EX 201	22	
23	201 <sup>EX</sup>		SPARE	X			X		SPARE	EX 201	24	
25	201 <sup>EX</sup>		SPARE	X			X		SPARE	EX 201	26	
27	201 <sup>EX</sup>		SPARE	X			X		SPARE	EX 201	28	
29	201 <sup>EX</sup>		SPARE	X			X		SPARE	EX 201	30	
31	EX		SPACE	X			X		SPARE	EX 201	32	
33	EX		SPACE	X			X		SPARE	EX 201	34	
35	EX		SPACE	X			X		SPARE	EX 201	36	
37	201 <sup>EX</sup>		EXIT LIGHTS	L	35		X		SPARE	EX 201	38	
39	201 <sup>EX</sup>		SPARE	X			X		SPARE	EX 201	40	
41	201 <sup>EX</sup>		SPARE	X			X		SPARE	EX 201	42	
PANEL NOTES: EXISTING PANEL TO REMAIN. ITEMS IN BOLD HAVE BEEN UPDATED									NO SUBFED LOAD		SUBFED LUGS	
Lighting Load		Total Lighting Load "L" (KVA)		14.12		4.84		Total Connected Load in KVA = Phase A				
Demand %		1.25		Total Track Lighting Load "TD" (KVA)		0.00		4.93		Total Connected Load in KVA = Phase B		
Show Window				Total Rectapace Load "TC" (KVA)		0.00		5.07		Total Connected Load in KVA = Phase C		
Show Window		0		Total Show Window Load "CW" (KVA)		0.00		14.84		Total Connected Load in KVA - All Phases		
HVAC Load				Total Motor Load "TM" (KVA)		0.00		41.2		Total Connected Load in Amps		
Demand %		1.00		Total Electric Heat Load "H" (KVA)		0.00		16.37		Total NEC Demand Load in KVA - All Phases		
Misc Load				Total Misc Load "ML" (KVA)		0.12		51.0		Total NEC Demand Load in Amps		
Demand %		1.00		Kitchen Appliance Load "KA" (KVA)		0.00						

PANEL NAME			CIRCUIT BREAKER REMARKS		PANEL CHARACTERISTICS					CIRCUIT BREAKER TYPE/ACCESSORY		OPTIONS		
P1B1			CC=CONTROLLED CIRCUIT, EX=EXISTING LOAD TO REMAIN, ML=MODIFIED LOAD ON EXISTING BREAKER, LC=CIRCUIT W/RED THROUGH CURRENT LIMITER		225	MCE	208 / 120	10K	BUS	3-Ø	4-W	AIC	MOUNTING	
													SURFACE	
													BUS MATERIAL	
													COPPER	
Ckt No	Breaker (Remarks)	LOAD DESCRIPTION	Load Type	Load VA	Phasing L1 L2 L3	Load VA	Load Type	LOAD DESCRIPTION	Breaker (Remarks)	Ckt No				
1	30/1 EX	UPS-NETWORK RACK	R	2,700		2,700 R		UPS-A/RACK	EX	30/1	2			
3	30/1 EX	UPS-NETWORK RACK	R	2,700		2,700 R		UPS-B/RACK	EX	30/1	4			
5	30/1 EX	UPS-NETWORK RACK	R	2,700		2,700 R		UPS-A/RACK	EX	30/1	6			
7	15/1 EX	DCS BOARD	X	600		360 R		JANITOR ROOM RECEPT	ML	20/1	8			
9	20/1 EX	CAMERA POWER SUPPLY	X	500		1,500 R		COURTROOM RECEPT	EX	20/1				
11	20/1 EX	MSGNR RECEPT	R	180		600 R		REFRIGERATOR	EX	20/1	12			
13	20/1 EX	GENIUS RM WIREMOLD	R	960		800 R		REFRIGERATOR	EX	20/1	14			
15	20/1 EX	GENIUS RM WIREMOLD	R	1,920		2,000 X								
17	20/1 EX	GENIUS RM WIREMOLD	R	1,920		2,000 X		ELECTRIC WATER HEATER	NB	26/2	18			
19	20/1 EX	GENIUS RM WIREMOLD	R	1,920		1,250 R		GENIUS RM RECEPT	EX	20/1	20			
21	20/1 EX	GENIUS RM DATA TRANSFER	R	1,440		323 M		EXHAUST FAN	EX	20/1	22			
23	20/1 EX	MAIL OFFICE WIREMOLD	R	1,440		1,400 X		VAR VOLUME ZONE DAMPER	EX	20/1	24			
25	20/1 EX	BUSINESS WIREMOLD	R	1,920		1,200 R		MICROWAVE	EX	20/1	26			
27	20/1 EX	BUSINESS RECEPTACLE	R	180		1,400 R		BREAK AREA WIREMOLD	EX	20/1	28			
29	20/1 EX	FLEX WIREMOLD	R	1,600		950 R		BREAK AREA WIREMOLD	EX	20/1	30			
31	20/1 EX	RETOX SYSTEM	R	540		860 R		RECEIVING AREA WIREMOLD	EX	20/1	32			
33	20/1 EX	DEFEST SYSTEM	R	1,200		1,800 R		TECHNOLOGY WIREMOLD	EX	20/1	34			
35	20/1 EX	MICROWAVE	X	600		1,200 R		TECHNOLOGY WIREMOLD	EX	20/1	36			
37	20/1 EX	ALARM PANEL	X	1,500		800 R		TECHNOLOGY WIREMOLD	EX	20/1	38			
39	20/1 EX	COUNTERTOP RECEPT	R	600		400 X		SPARE	EX	20/1	40			
41	20/1 EX	SPARE						DOORBELL SYSTEM	EX	20/1	42			
PANEL NOTES: EXISTING PANEL TO REMAIN. ITEMS IN BOLD HAVE BEEN UPDATED								NO SUEPFD LOAD					SUEPFD LGGS	
Lighting Load					Total Lighting Load "L" (KVA)	0.00	15.40	Total Connected Load in KVA - Phase A						
Demand % 1.25					Total Tract Lighting Load "L" (KVA)	0.00	17.42	Total Connected Load in KVA - Phase B						
Show Window					Total Receptacle Load "R" (KVA)	0.42	18.42	Total Connected Load in KVA - Phase C						
Length 0					Total Show Window Load "L" (KVA)	0.00	53.24	Total Connected Load in KVA - All Phases						
HVAC Load					Total Motor Load "M" (KVA)	0.72	10.6	Total Connected Load in Amps						
Demand % 1.00					Total Electric Heat Load "H" (KVA)	0.00	35.5	Total NEC Demand Load in KVA - All Phases						
Misc Load					Total Misc Load "Y" (KVA)	0.50	39.5	Total NEC Demand Load in Amps						
Demand % 1.00					Kitchen Appliance Load "K" (KVA)	0.00								



1. ALL ELECTRICAL SYSTEMS MUST BE FIELD VERIFIED PRIOR TO BIDDING, SO THAT THE PROPER ELECTRICAL EQUIPMENT AND MATERIALS CAN BE STORED PER THE ELECTRICAL REQUIREMENTS.
2. ELECTRICAL CONTRACTOR SHALL THOROUGHLY INSPECT ALL EXISTING ELECTRICAL SYSTEMS AND EQUIPMENT TO BE REUSED. REFER TO THE GENERAL CONTRACTOR'S MANUAL FOR REQUIRED MAINTENANCE OR REPAIR ITEMS.
3. ELECTRICAL CONTRACTOR SHALL MAINTAIN ALL CONNECTIONS TO THE LANDLORD POINT OF SERVICE AND THE ELECTRICAL CONTRACTOR SHALL MAINTAIN THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL INCOMING SERVICES WITH THE RESPECTIVE OWNER'S UTILITIES AND THE ELECTRICAL DIRECTOR OF ENGINEERING AND CONSTRUCTION OPERATIONS.
4. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY THE ELECTRICAL SERVICE OF EACH UNIT. THE TOTAL CONNECTED LOAD DOES NOT EXCEED THE ELECTRICAL SERVICE. ANY NECESSARY MODIFICATIONS TO THE ELECTRICAL SERVICE SHALL BE THE ELECTION OF THE GENERAL CONTRACTOR'S EXPENSE. ALL ELECTRICAL SERVICE SHALL BE FIELD VERIFIED AND NOTED. SURFACE PANELBOARDS MAY BE RECESSED OR PANELS MOUNTED, WHERE RECESSED PANELS ARE INSTALLED, ELECTRICAL CONTRACTOR SHALL MAINTAIN THE INTENDED FIELD FINISH OF THE WALL. MOUNTING HEIGHTS FOR PANELBOARDS SHALL BE PER CODE.
5. ALL EXISTING ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE REVIEWED FOR CAPACITIES MEETING OR EXCEEDING THE OWNERS REQUIREMENTS. THE CONTRACTOR INCLUDES CONFORMING AVAILABLE TRANSFORMER VA CAPACITY. AMPERAGE OF ALL PANELS, 30/40 AMP PANELS, 100 AMP PANELS, 200 AMP PANELS, 400 AMP PANELS, 800 AMP PANELS, 1200 AMP PANELS, 1600 AMP PANELS, 2000 AMP PANELS, 2500 AMP PANELS, 3000 AMP PANELS, 3500 AMP PANELS, 4000 AMP PANELS, 4500 AMP PANELS, 5000 AMP PANELS, 5500 AMP PANELS, 6000 AMP PANELS, 6500 AMP PANELS, 7000 AMP PANELS, 7500 AMP PANELS, 8000 AMP PANELS, 8500 AMP PANELS, 9000 AMP PANELS, 9500 AMP PANELS, 10000 AMP PANELS, 10500 AMP PANELS, 11000 AMP PANELS, 11500 AMP PANELS, 12000 AMP PANELS, 12500 AMP PANELS, 13000 AMP PANELS, 13500 AMP PANELS, 14000 AMP PANELS, 14500 AMP PANELS, 15000 AMP PANELS, 15500 AMP PANELS, 16000 AMP PANELS, 16500 AMP PANELS, 17000 AMP PANELS, 17500 AMP PANELS, 18000 AMP PANELS, 18500 AMP PANELS, 19000 AMP PANELS, 19500 AMP PANELS, 20000 AMP PANELS, 20500 AMP PANELS, 21000 AMP PANELS, 21500 AMP PANELS, 22000 AMP PANELS, 22500 AMP PANELS, 23000 AMP PANELS, 23500 AMP PANELS, 24000 AMP PANELS, 24500 AMP PANELS, 25000 AMP PANELS, 25500 AMP PANELS, 26000 AMP 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