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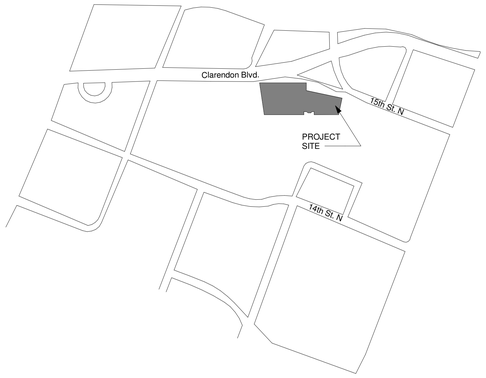

SITE LOCATION MAP
N.T.S

ARLINGTON COUNTY OFFICES RENOVATIONS

BOZMAN GOVERNMENT CENTER (CHP)
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

OWNER:
ARLINGTON COUNTY BOARD
2100 Clarendon Blvd
Arlington, Virginia 22201

ARCHITECT:
ARCHITECTURE INCORPORATED
1902 CAMPUS COMMONS DRIVE
SUITE 101
RESTON, VA 20191
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SUITE 400
HERDON, VA 20171
P:703.629.0328

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RATHGEBER/ GOSS ASSOCIATES
15871 CRABBS BRANCH WAY
ROCKVILLE, MD 20855
P: 301.637.6893

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JOHN DUFFY, CTS-D,
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1155 15TH STREET, NW, SUITE 606
WASHINGTON, DC 20005
P: 202.386.6340

A

&	AND
@	AT
AB	ANCHOR BOLT (or) AIR BARRIER
ABV	ABOVE
A/C	AIR CONDITIONING
ACM	ASBESTOS CONTAINING MATERIAL
ACOUS	ACOUSTIC(AL)
ACT	ACOUSTICAL CEILING TILE / PANEL
ADDM	ADDENDUM
ADDN	ADDITION
ADJ	ADJUST(ABLE)
AFF	ABOVE FINISHED FLOOR
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
< (or) L	ANGLE (STEEL)
ANOD	ANODIZED
ANUN	ANNUNCIATOR
ANUN	ANNUNCIATOR
AP	ACCESS PANEL
APP'D	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECT(URAL)
ASPH	ASPHALT(IC)
AUTO	AUTOMATIC
AVG	AVERAGE

B

B/O	BOTTOM OF
BC	BRICK COURSE(S)
BD	BOARD
BE	BOTTOM ELEVATION
BF	BOTH FACES
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM (or) BENCH MARK
BOTT	BOTTOM
BRG	BEARING
BRK	BRICK
BRKT	BRACKET
BRZ	BRONZE
BSMT	BASEMENT
BTW	BETWEEN
BUR	BUILT UP ROOFING
BW	BOTH WAYS

C

CAB	CABINET
CAF	CLEAR ANODIC FINISH
CB	CATCH BASIN
C/C	CENTER TO CENTER
CEM	CEMENT
CF/CI	CONTR FURNISHED / CONTR INSTALLED
CG	CORNER GUARD
CHAN	CHANNEL
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLKG	CAULKING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR (T)	COUNTER(TOP)
CO	CLEAR OPENING (or) CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT(ION)
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONT'D	CONTINUED
CONTR	CONTRACTOR
COR	CORNER
CORR	CORRIDOR
CORRUG	CORRUGATED
CPT	CARPET
CRS	COURSE(S)
CSK	COUNTERSUNK (-SINK)
CT	CERAMIC TILE
CTR	CENTER
CUST	CUSTODIAL
CUSTCL	CUSTODIAL CLOSET
CW	COLD WATER

D

(D)	DRYER
DA	DOUBLE-ACTING
DBL	DOUBLE
DD	DECK DRAIN
DEMO	DEMOLISH (or) DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DFLCT	DEFLECTION
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPOSER (or) DISPENSER
DIV	DIVISION
DK	DARK
DL	DEAD LOAD
DN	DOWN
DO	DOOR OPENING
DR	DOOR
DS	DOWNSPOUT
DSP	DRY STANDPIPE
(DW)	DISHWASHER
DWG	DRAWING
DWR	DRAWER

E

(E)	EXISTING
E	EAST
EA	EACH
EIFS	EXT INSUL AND FIN SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENG	ENGINEER(ING)
EQ	EQUAL
EQUIP	EQUIPMENT
E/W	EACH WAY
EWC	ELECTRIC WATER COOLER
EWC/BF	ELECTRIC WATER COOLER / BOTTLE FILLER
EXCAV	EXCAVATED
EXH	EXHAUST
EXP	EXPANSION
EXPOS	EXPOSED
EXT	EXTERIOR

F

FA	FIRE ALARM
FABR	FABRICATE
FC	FIRE CODE
F/C	FACE OF CONCRETE
F/F	FACE OF FINISH
F/M	FACE OF MASONRY
F/O	FACE OF
F/SH	FACE OF SHEATHING
F/S	FACE OF STUD
F/W	FACE OF WALL
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
F-F	FACE TO FACE
FH	FLAT HEAD
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FIN	FINISH
FL	FLUSH OR FLOOR
FLASH	FLASHING
FLUOR	FLUORESCENT
FP	FIREPROOFING
FR	FRAME
FRMG	FRAMING
FRT	FIRE RETARDANT TREATED
FS	FULL SIZE
FT	FOOT OR FEET
FTG	FOOTING
FUR	FURRING
FUT	FUTURE

G

GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GFRG	GLASS FIBER REINFORCED GYPSUM
GL	GLASS
GMMU	GLASS MESH MORTAR UNIT
GR	GUARDRAIL
GS	GRAVEL STOP
GWB	GYPSUM WALLBOARD

H

HB	HOSE BIBB
HC	ACCESSIBLE
HD	HEAD
HDBD	HARDBOARD
HM	HOLLOW METAL
HP	HIGH POINT
HDWR	HARDWARE
HDWD	HARDWOOD
HCWD	HOLLOW CORE WOOD DOOR
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HTG	HEATING
HVAC	HEATING, VENTILATION and AIR CONDITIONING
HW	HOT WATER

I

ID	INSIDE DIAMETER
INCAN	INCANDESCENT
INCL	INCLUDE(D) (ING)
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
IWB	INTERACTIVE WHITE BOARD

J

JB	JUNCTION BOX
JC	JANITOR CLOSET
JST	JOIST
JT	JOINT

K

KIT	KITCHEN
KO	KNOCKOUT
KP	KICK PLATE
KRM	KEYED REMOVABLE MULLION
KS	KNEE SPACE

L

LAB	LABORATORY
LAM	LAMINATE
LAT	LATERAL
LAV	LAVATAORY
LB (or #)	POUND
LH	LEFT HAND
LIN	LINEAR
LKR	LOCKER
LL	LIVE LOAD
LONG'L	LONGITUDINAL
LP	LOW POINT
LT	LIGHT
LTG	LIGHTING
LTWT	LIGHT WEIGHT
LVR	LOUVER (S)

M

MACH	MACHINE
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MB	MARKER BOARD
MECH	MECHANICAL
MED	MEDIUM
MEZZ	MEZZANINE
MEMB	MEMBRANE
MFG	MANUFACTURING
MFR	MANUFACTURER
MGR	MANAGER
MIN	MINIMUM
MIRR	MIRROR
MISC	MISCELLANEOUS
ML	METAL LATH
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
MULL	MULLION
(MW)	MICROWAVE

N

N	NORTH
NAT	NATURAL
NEG	NEGATIVE
NIC	NOT IN CONTRACT
NO (or #)	NUMBER
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE

O

(O)	OVEN
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/OI	OWNER FURNISHED / OWNER INSTALLED
OF/CI	OWNER FURNISHED / CONTR INSTALLED
OFD	OVER FLOW DRAIN
OFF	OFFICE
OH	OPPOSITE HAND (or) OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
ORIG	ORIGINAL
OVRHD	OVERHEAD
OZ	OUNCE

P

P	PAINT
PART BD	PARTICLE BOARD
PAV	PAVING OR PAVEMENT
PB	PENCIL SHARPENER BLOCK (or) PORCELAIN BASE
PC	PIECE
PD	PENCIL DRAWER
PERP	PERPENDICULAR
PH	PENTHOUSE
PL OR PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLT	PLATE
PLUMB	PLUMBING
PLYWD	PLYWD
PM	PROPOSED MODIFICATION
PNL	PANEL
PORT	PORTABLE
PR	PAIR
PRCST	PRECAST
PREFAB	PREFABRICATE(D)
PROD	PRODUCT(ION)
PROJ	PROJECT
PROP	PROPERTY
PT	PRESSURE TREATED (or) PORCELAIN TILE (or) POST TENSIONED
PTD	PAPER TOWEL DISPENSER (or) PAINTED
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PVC	POLYVINYL CHLORIDE
PWR	POWER

Q

QT	QUARRY TILE
QUAL	QUALITY
QUAN	QUANTITY

R

R	RISER
(RA)	RANGE
(R)	REINSTALL SALVAGED
R/A	RETURN AIR
RAD	RADIUS
RB	RESILIENT BASE
RC	RESILIENT CHANNEL
RD	ROOF DRAIN (or) ROUND (or) ROAD
REBAR	REINFORCING BAR
RECEP	RECEPTACLE
REF	REFERENCE
(REF)	REFRIGERATOR
REFL	REFLECTED
REINF	REINFORCED
REQD	REQUIRED
RESIL	RESILIENT
REV	REVISION OR REVERSE
RH	RIGHT HAND (or) ROBE HOOK
RM	ROOM
RO	ROUGH OPENING
RTU	ROOFTOP UNIT

S

S	SOUTH
S4S	SURFACED FOUR SIDES
SAB	SOUND ATTENUATION BLANKET
SAFB	SOUND ATTENUATION FIRE BATT
SAN	SANITARY
SC	SEALED CONCRETE (or) SOLDIER COURSE
SCWD	SOLID CORE WOOD DOOR
SCHED	SCHEDULE
SCHEM	SCHEMATIC
SD	SOAP DISPENSER
SECT	SECTION
SEL	SELECT
SERV	SERVICE
SF (or) SQFT.	SQUARE FEET
SFRM	SPRAY-APPLIED FIRE RESISTIVE MATL
SH	SHELF OR SHELVING
SHT	SHEET
SHWR	SHOWER
SIM	SIMILAR
SND	SANITARY NAPKIN DISPENSER
SOLS	SOLID SURFACE
SPEC'L	SPECIAL
SPECS	SPECIFICATION(S)
SPED	SPECIAL EDUCATION
SPGL	SPANDREL GLASS
SPKR	SPEAKER
SPL	SPLASH
SQ	SQUARE
SS	STAINLESS STEEL
S/S	SERVICE SINK
ST	STAIR
STC	SOUND TRANMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SURF	SURFACE
SURR	SURROUND
SUSP	SUSPEND(ED)
SYM	SYMMETRICAL
SYST	SYSTEM

T

T	TREAD
TAN	TANGENT
TB	TOWEL BAR (or) TACK BOARD
T&B	TOP AND BOTTOM
TECH	TECHNICAL
TEL	TELEPHONE
TEMPD	TEMPERED
TEMP	TEMPORARY
THK	THICK(NESS)
TM	TRANSITION MEMB
T/O	TOP OF
TOC	TOP OF CURB (or) -CONCRETE
TOM	TOP OF MASONRY
TOP	TOP OF PAVEMENT
TOS	TOP OF STEEL
TOW	TOP OF WALL
TPH	TOILET PAPER HOLDER
TV	TELEVISION
TWF	THRU WALL FLASH
TYP	TYPICAL

U

(UCR)	UNDER COUNTER REFRIGERATOR
UL	UNDERWRITERS LABORATORY
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITY

V

VAR	VARIABLE (or) VARIES
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VIN	VINYL
VNR	VENEER
VOL	VOLUME
VWC	VINYL WALL COVERING

W

W	WEST
W/	WITH
(W)	WASHER
WAP	WIRELESS ACCESS POINT
WB	WHITE BOARD
WC	WATER CLOSET (or) WALLCOVERING
WD	WOOD
WH	WATER HEATER (or) WALL HUNG
W/B	WATER AND ICE BARRIER
W/IN	WITHIN
WLD	WELDED
W/O	WITHOUT
WP	WATERPROOF (or) WORKING POINT
WR	WATER RESISTANT
WRB	WEATHER RESISTANT BARRIER
WS	WEATHERSTRIPPING
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC

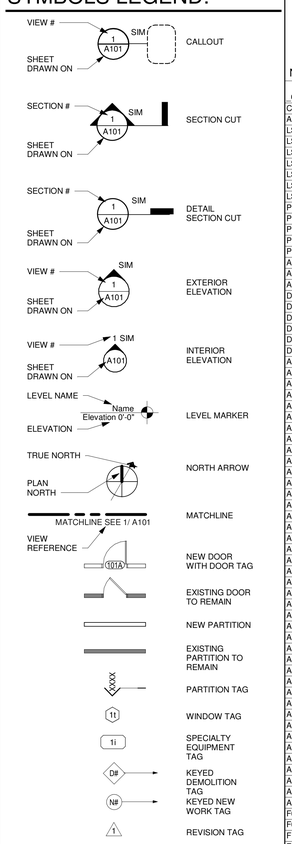
X

X	TIMES (or) BY (AS IN 2X4)

Y

YD	YARD
YR	YEAR

SYMBOLS LEGEND:



SHEET NUMBER	SHEET NAME	PERMIT/BID 05/26/21
COVER SHEET		
CS1.1	COVER SHEET	•
ARCHITECTURAL		
LS1.0	CODE ANALYSIS	•
LS1.1	LIFE SAFETY FIRST FLOOR PLAN	•
LS1.2	LIFE SAFETY SECOND FLOOR PLAN	•
LS1.3	LIFE SAFETY THIRD FLOOR PLAN	•
LS1.5	LIFE SAFETY 9TH FLOOR PLAN	•
LS2.1	UL ASSEMBLIES	•
LS2.2	UL ASSEMBLIES	•
PH1.1	G1, G2, G3 - PHASING	•
PH1.2	LEVEL 1 - PHASING	•
PH1.3	LEVEL 2 - PHASING	•
PH1.4	LEVEL 3 - PHASING	•
PH1.10	LEVEL 9 - PHASING	•
AG1.1	GENERAL NOTES	•
AG1.2	ACCESSIBILITY STANDARD	•
AG1.3	SCHEDULES	•
D1.1	G1, G2, G3 - DEMOLITION PLANS	•
D1.2	LEVEL 1 DEMOLITION PLAN	•
D1.3	LEVEL 2 DEMOLITION PLAN	•
D1.4	LEVEL 3 DEMOLITION PLAN	•
D1.5	LEVEL 4 DEMOLITION PLAN	•
D1.10	LEVEL 9 DEMOLITION PLAN	•
A1.1	G1, G2, G3 FLOOR PLANS	•
A1.2	LEVEL 1 FLOOR PLAN	•
A1.3	LEVEL 2 FLOOR PLAN	•
A1.4	LEVEL 3 FLOOR PLAN	•
A1.5	LEVEL 4 FLOOR PLAN	•
A1.10	LEVEL 9 FLOOR PLAN	•
A2.1	DOOR SCHEDULE, DOOR TYPES, FRAME TYPES	•
A2.2	DOOR HARDWARE SCHEDULE	•
A2.3	GLAZING ELEVATIONS	•
A2.4	DOOR AND GLASS DETAILS	•
A4.1	SECTIONS AND DETAILS	•
A4.2	SECTIONS	•
A5.1	STAIR DETAILS	•
A6.1	ENLARGED PLANS - ELEVATOR LOBBIES	•
A6.2	ENLARGED PLANS - LIBRARY	•
A6.3	TOILET PLANS AND ELEVATIONS	•
A7.1	INTERIOR ELEVATIONS - LOBBY	•
A7.2	INTERIOR ELEVATIONS - LOBBY	•
A7.3	INTERIOR ELEVATIONS - LEVEL 1	•
A7.4	INTERIOR ELEVATIONS - LEVEL 2	•
A7.5	INTERIOR ELEVATIONS. ELEVATOR LOBBY - LEVEL 3.	•
A7.6	INTERIOR ELEVATIONS - MIDDLE STAIR	•
A7.7	INTERIOR ELEVATIONS - LIBRARY	•
A7.8	INTERIOR ELEVATIONS - ELEVATOR LOBBIES	•
A7.9	NOT USED	
A7.10	INTERIOR ELEVATIONS - LEVEL 9 BREAK RM	•
A8.1	PARTITION TYPES AND DETAILS	•
A8.2	CEILING DETAILS	•
A8.3	CEILING DETAILS	•
A8.4	INTERIOR DETAILS	•
A8.5	INTERIOR DETAILS	•
A9.1	MILLWORK DETAILS	•
A9.2	MILLWORK DETAILS	•
A9.3	MILLWORK DETAILS	•
A9.4	MILLWORK DETAILS	•
A9.5	CPHD RECEPTION	•
A10.1	G1, G2, G3 REFLECTED CEILING PLANS	•
A10.2	LEVEL 1 REFLECTED CEILING PLAN	•
A10.3	LEVEL 2 REFLECTED CEILING PLAN	•
A10.4	LEVEL 3 REFLECTED CEILING PLAN	•
A10.10	LEVEL 9 REFLECTED CEILING PLAN	•
F0.1	FINISH SCHEDULE AND DETAILS	•
F0.2	TRANSITION DETAILS	•
F1.1	G1, G2, G3 FINISH PLANS	
F1.2	LEVEL 1 FINISH PLAN	•
F1.3	LEVEL 2 FINISH PLAN	•
F1.4	LEVEL 3 FINISH PLAN	•
F1.10	LEVEL 9 FINISH PLAN	•
STRUCTURE		
S0.1	GENERAL NOTES	•
S1.1	LEVEL 1 PARTIAL PLAN	•
S1.2	LEVEL 2 PARTIAL PLAN	•
S1.3	LEVEL 4 PARTIAL PLAN	•
S2.1	TYPICAL DETAILS	•
S2.2	TYPICAL DETAILS	•
AUDIOVISUAL		
TA0.00	AUDIOVISUAL COVER SHEET	•
TA0.01	AUDIOVISUAL GENERAL NOTES	•
TA1.20	AUDIOVISUAL PARTIAL PLAN - G1	•
TA2.20	AUDIOVISUAL PARTIAL PLAN - LEVEL 1	•
TA3.20	AUDIOVISUAL PARTIAL PLAN - LEVEL 2	•
TA4.20	AUDIOVISUAL PARTIAL PLAN - LEVEL 3	•
TA1.30	AUDIOVISUAL RCPS - LEVEL 1	•
TA3.30	AUDIOVISUAL RCPS - LEVEL 3	•
TA16.01	AUDIOVISUAL ENLARGED PLANS - LOBBY DIRECTORY	•
TA16.02	AUDIOVISUAL ENLARGED PLANS - RECEPTION	•
TA16.03	AUDIOVISUAL ENLARGED PLANS - USS ARLINGTON	•
TA16.04	AUDIOVISUAL ENLARGED PLANS - ELEVATOR LOBBY	•
TA16.05	AUDIOVISUAL ENLARGED PLANS - BOARD ROOM ENTRANCE	•
TA17.01	AUDIOVISUAL SYSTEM FLOW DIAGRAMS	•
TA18.01	AUDIOVISUAL EQUIPMENT DETAILS	•

SHEET NUMBER	SHEET NAME	PERMIT/BID 05/26/21
MECHANICAL		
M1.0	COVER SHEET - MECHANICAL	•
M2.1	LEVEL 1 - DEMOLITION - MECHANICAL	•
M2.2	LEVEL 2 - DEMOLITION - MECHANICAL	•
M2.3	LEVEL 3 - DEMOLITION - MECHANICAL	•
M2.9	LEVEL 9 - DEMOLITION - MECHANICAL	•
M3.0	GARAGE PLANS - MECHANICAL	•
M3.1	LEVEL 1 - NEW WORK - MECHANICAL	•
M3.2	LEVEL 2 - NEW WORK - MECHANICAL	•
M3.3	LEVEL 3 - NEW WORK - MECHANICAL	•
M3.4	LEVEL 4 - NEW WORK - MECHANICAL	•
M3.9	LEVEL 9 - NEW WORK - MECHANICAL	•
M4.0	SCHEDULES - MECHANICAL	•
M5.0	VENTILATION CALCULATIONS - MECHANICAL	•
PLUMBING		
P1.0	COVER SHEET - PLUMBING	•
P1.1	RISER DIAGRAMS - PLUMBING	•
P2.1	LEVEL 1 - DEMOLITION PLAN - PLUMBING	•
P2.3	LEVEL 3 - DEMOLITION PLAN - PLUMBING	•
P2.9	LEVEL 9 - DEMOLITION PLAN - PLUMBING	•
P3.1	LEVEL 1 - NEW WORK PLAN - PLUMBING	•
P3.2	TYPICAL FLOOR PLANS - PLUMBING	•
P3.9	LEVEL 9 - NEW WORK PLAN - PLUMBING	•
ELECTRICAL		
E-000	COVER SHEET - ELECTRICAL	•
E-001	DETAILS - ELECTRICAL	•
E-002	SEQUENCE OF OPERATIONS - ELECTRICAL	•
E-100	LEVEL G1, G2, G3 LOBBY - DEMOLITION - ELECTRICAL	•
E-101	LEVEL 1 - DEMOLITION - ELECTRICAL	•
E-102	LEVEL 2 - DEMOLITION - ELECTRICAL	•
E-103	LEVEL 3 - DEMOLITION - ELECTRICAL	•
E-109	LEVEL 9 - DEMOLITION - ELECTRICAL	•
E-200	LEVEL G1, G2, G3 LOBBY - LIGHTING - ELECTRICAL	•
E-201	LEVEL 1 - LIGHTING - ELECTRICAL	•
E-202	LEVEL 2 - LIGHTING - ELECTRICAL	•
E-203	LEVEL 3 - LIGHTING - ELECTRICAL	•
E-209	LEVEL 9 - LIGHTING - ELECTRICAL	•
E-301	LEVEL 1 - POWER - ELECTRICAL	•
E-302	LEVEL 2 - POWER - ELECTRICAL	•
E-303	LEVEL 3 - POWER - ELECTRICAL	•
E-309	LEVEL 9 - POWER - ELECTRICAL	•
E-400	LEVEL G1, G2, G3 LOBBY - HVAC POWER AND FIRE ALARM - ELECTRICAL	•
E-401	LEVEL 1 - HVAC POWER AND FIRE ALARM - ELECTRICAL	•
E-402	LEVEL 2 - HVAC POWER AND FIRE ALARM - ELECTRICAL	•
E-403	LEVEL 3 - HVAC POWER AND FIRE ALARM - ELECTRICAL	•
E-409	LEVEL 9 - HVAC POWER AND FIRE ALARM - ELECTRICAL	•
E-500	POWER RISER DIAGRAM - ELECTRICAL	•
E-501	PANEL SCHEDULES - ELECTRICAL	•
E-502	PANEL SCHEDULES - ELECTRICAL	•

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Construction Documents for:
ARLINGTON COUNTY OFFICES RENOVATIONS
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
PERMIT / BID
Revisions

COVER SHEET

Scale **As indicated**
Drawn CS
Checked RM

CS1.1

PERMIT / BID

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PLUMBING FIXTURE CALCULATIONS

FL 1			WC		LAV		DF	SVC SINK	TUB / SHOWER	EMRGCY SHOWER/ EYEWASH	KITCH SINK	CLOTHES WASHER CONX
USE	DESCRIPTION	OL	M	F	M	F						
A-3	Auditoriums, lecture halls, art galleries, exhibition halls, museums, libraries, arcades, gymnasiums	113										
		RATIO	1 / 125	1 / 65	1 / 200		1 / 500	1 / BLDG				
		FIXT REQ	0.45	0.87	0.28	0.28	0.23	1				
B	Business, prof. services, merchandise, office bldg, bank, light-industrial	21										
		RATIO	1 / 25 1st 50 occ; 1 / 50 thereafter		1 / 40 1st 80 occ; 1 / 80 thereafter		1 / 100	1 / BLDG				
		FIXT REQ	0.42	0.42	0.26	0.26	0.21	1				
S-2 LOW	Storage of goods, warehouse, storehouse, freight depots; low and moderate hazard	5										
		RATIO	1 / 100		1 / 100		1 / 1000	1 / BLDG		"		
		FIXT REQ	0.03	0.03	0.03	0.03	0.005	1				

TL OL:	PREV. OL
139	

#DIV/0! OL increase over previous.

Additional P-Fixtures not required if < 20% OL increase. **

FL 1	WC		LAV		DF	SVC SINK	TUB / SHOWER	EMRGNCY SHOWER/ EYEWASH	KITCH SINK	CLOTHES WASHER CONX
	M	F	M	F						
ALL USES - REQUIRED SUB-Total	0.90	1.31	0.57	0.57	0.44	1.00				
REQUIRED TOTAL	1	2	1	1	1	1				
A and/or M USES for Family use facilities	0.5	0.9								
FAMILY / ASSISTED-USE FACILITIES REQD:										
AVAILABLE THIS FLOOR	2	2	2	2	1	1				
EXCESS AVAILABLE ADJ FLOOR										
PRIVATE / EMPLOYEE FACILITIES AVAILABLE										
FAMILY / ASSISTED-USE FACILITIES AVAILABLE										
SUB-TL PROVIDED / PER PLANS	3	3	2	2	1	1				

Excess / Shortage:	WC		LAV		DF	SVC/SINK	BATH	EMRGNCY	K SINK	W CONX
	2	1	1	1						

SUMMARY BUILDING / CODE DATA

CODE REF

PROJECT ADDRESS
2100 CLARENDON BLVD.
ARLINGTON VA, 22201

GENERAL DESCRIPTION
PROJECT CONSISTS OF PARTIAL INTERIOR RENOVATIONS OF THE PUBLIC AREAS OF ARLINGTON COUNTY GOVERNMENT OFFICES ON FLOORS G3 THROUGH 3 AND THE BREAK ROOM ON FLOOR 9. SCOPE OF WORK INCLUDES DEMOLITION AND CONSTRUCTION OF NEW PARTITIONS AND MODIFICATION TO EXISTING FINISHES. INCLUDES REPLACEMENT OF ONE EXTERIOR WINDOW. SCOPE ALSO INCLUDES MECHANICAL, PLUMBING, AND ELECTRICAL WORK ASSOCIATED WITH THE INTERIOR RENOVATIONS

APPLICABLE CODES:

GOVERNING CODE: 2015 IBC / VCC 2015

BUILDING: 2015 IBC / 2015 VCC
EXISTING BUILDING: 2015 IEBC / 2015 VEBC
ENERGY CONSERVATION: 2015 IECC / 2015 VECC
FIRE: 2015 IFC / 2015 VA SFPC
FUEL GAS: 2015 IFGC / 2015 VFGC
PLUMBING: 2015 IPC / 2015 VPC
MECHANICAL: 2015 IMC / 2015 VMC
ELECTRICAL: 2014 NEC - NFPA 70
ACCESSIBILITY: 2009 ICC/ANSI A.117.1-09, ADA 2010
ELEVATOR: ASME A17.1

ORIGINAL BUILDING BUILT: 1986
ORIGINAL CODE: BOCA 1981
ORIGINAL CONSTR TYPE: 1B

EXISTING BUILDING CODE COMPLIANCE PATH:

CLASSIFICATION OF WORK:

	FLOOR AREA	WORK AREA
ALTERATION-LEVEL 1	NA	NA
ALTERATION-LEVEL 2		
FLOOR G3	30,134	511
FLOOR G2	30,134	508
FLOOR G1	30,134	887
FLOOR 1	24,399	10,667
FLOOR 2	29,346	8,359
FLOOR 3	26,140	4,400
FLOOR 4	26,140	0
FLOOR 5	26,140	0
FLOOR 6	26,140	0
FLOOR 7	26,140	0
FLOOR 8	26,140	0
FLOOR 9	25,731	2,138
FLOOR 10	25,731	0
ALTERATION-LEVEL 3	NA	NA
TOTAL FLOOR / WORK AREA:	352,449	27,470
PERCENTAGE WORK AREA:	7.79%	

TOTAL BUILDING AREA: 352,449 SF

USE AND OCCUPANCY CLASS

MIXED-USE:	YES		508.1
NON-SEPARATED:		NON-SEPARATED (ASSEMBLY) ON FLOORS 1-3 SEPARATED AT FLOOR 4 WITH 2HR RATED FLOOR, NON-SEPARATED (BUSINESS) ON FLOORS 4 TO 10	302.1
MAIN OCC GROUP:	B	**BUSINESS (4-10) ASSEMBLY (1-3)**	
OTHER OCCUPANCIES:	A-3	ASSEMBLY (ACCESORY)	508.2
INCIDENTAL USES:	NONE		509.1

TYPE OF CONSTRUCTION

CONSTRUCTION TYPE:	IB	NON-COMBUSTIBLE	601.1
MOST RESTRICTIVE OCC GROUP:	A		504.1, 506.1

FIRE RESISTANCE REQUIREMENTS

		IB REQUIRED	PROVIDED	
STRUCTURAL FRAME		2HR	2HR	601.1
BEARING WALLS				
	EXTERIOR	2HR	2HR	
	INTERIOR	2HR	2HR	
NON-BEARING WALLS				
	EXTERIOR	0HR	0HR	602.1
	INTERIOR	0HR	0HR	
FLOOR CONSTRUCTION		2HR	2HR	
ACCESSIBLE CONCEALED PROTECTED WALL ID STENCIL		REQ		703.7

INTERIOR FINISHES

		MIN CLASS REQUIRED	
WALLS / CLG	EXITS	B	803.11
	CORRIDORS	B	
	ROOMS	C	
FLOORS	EGRESS	II	804.4
	ROOMS	II	

FIRE PROTECTION SYSTEMS

	REQUIRED		
SPRINKLERS	YES	NFPA 13	903.1
STANDPIPES	YES		905.1
FIRE EXTINGUISHERS	YES		906.1
FIRE / SMOKE ALARM	YES	EXISTING	907.1
SMOKE CONTROL	NO		908.1
SMOKE AND HEAT REMOVAL	YES	EXISTING	910.1
FIRE COMMAND CENTER	YES	EXISTING	911.1
FIRE DEPARTMENT CONNECTION	YES	EXISTING	912.1
CO DETECTION	NO		915.1

EGRESS WIDTH SIZING

	OL	W-RATIO SPKLRD	
OCCUPANTS FOR WORK AREA:	VARIES		1005.1
STAIRS:		0.20	
OTHER:		0.15	

EGRESS

		REQUIRED			
NUMBER OF EXITS	MIN.	2			1006.1
COMMON PATH OF TRAVEL	MAX.	100	FT		1006.2
REMOTENESS	MIN.	1/4 DIAG	SPKLRD		1007.1
AREA OF REFUGE		NO			1009.6
TWO-WAY COMM		YES	EXISTING		1007.8
EXIT ACCESS TRAVEL DIST.	MAX.	300	FT		1017.2
DEAD ENDS	MAX.	50	FT	BUSINESS	1020.4
	MAX.	20	FT	ASSEMBLY	

OCCUPANT LOAD (OL) SUMMARY

1004.1

FUNCTION	FUNCTION AREA	MAX RATIO	CALC	OL
FLOOR G3				
ALL WORK IN CIRCULATION AREAS - NO ADDITIONAL LOADS.				
FLOOR G2				
ALL WORK IN CIRCULATION AREAS - NO ADDITIONAL LOADS.				
FLOOR G1				
ALL WORK IN CIRCULATION AREAS - NO ADDITIONAL LOADS.				
FLOOR 1				
ASSEMBLY-W/O FIXED SEATS				
100A CONFERENCE ROOM	225	15 NET	15.00	15
101A MEDIUM CONFERENCE ROOM	226		15.07	16
103 HUDDLE	130		8.67	9
106A VIRTUAL MEETING ROOM	71		4.73	5
106B VIRTUAL MEETING ROOM	96		6.40	7
106C VIRTUAL MEETING ROOM	70		4.67	5
116 VIRTUAL MEETING ROOM	92		6.13	7
LIBRARY				
113A LIBRARY	1,082	50 NET	21.64	22
113C CHILDREN'S AREA	403		8.06	9
BUSINESS AREAS				
100B LIBRARY OFFICES	146		1.46	2
102 RECEPTION	196		1.96	2
105 LIBRARY WORK ROOM	218		2.18	3
108 MANAGER'S OFFICE	88		0.88	1
113D HELP DESK	140	100 GROSS	1.40	2
106 KIOSK ROOM	117		1.17	2
115 PERMIT RECEPTION	273		2.73	3
120 RECEPTION	309		3.09	4
117 OFFICE	121		1.21	2
ACCESSRY STOR/ MECH				
101B IT ROOM	107	300 GROSS	0.36	1
104 PACKAGE ROOM	173		0.58	1
107 LIBRARY INVENTORY STORAGE	97		0.32	1
112 JANITOR	24		0.08	1
SUPPLIES	30		0.10	1
ASSEMBLY- FIXED SEATS	(LINEAR FT)			
114B STEP SEATING (BENCH)	27	1.5 LF	17.67	18
FL AREA TOTAL: 24,399	4,461	TOTAL FUNCTION AREA		139
FLOOR 2				
ASSEMBLY-W/O FIXED SEATS				
201 LARGE CONFERENCE ROOM	580	15 NET	38.67	39
202 MEDIUM CONFERENCE ROOM	259		17.27	18
203 FOCUS ROOM	58		3.87	4
204 FOCUS ROOM	58		3.87	4
BUSINESS AREAS				
205 CUSTOMER CARE	153	100 GROSS	1.53	2
207 CUSTOMER CARE	185		1.85	2
ACCESSRY STOR/ MECH				
STORAGE 206	84	300 GROSS	0.28	1
FL AREA TOTAL: 29,346	1,377	TOTAL FUNCTION AREA		69
FLOOR 3				
ASSEMBLY- W/O FIXED SEATS				
301 FOCUS ROOM	60	15 NET	4.00	4
302 FOCUS ROOM	67		4.47	5
303 FOCUS ROOM	67		4.47	5
304 FOCUS ROOM	62		4.13	5
LARGE CONFERENCE ROOM	688		45.87	46
BUSINESS AREAS				
306 INFORMATION DESK	58	100 GROSS	0.58	1
317 VOTING BOOTH AREA	148		1.48	2
317A OPEN OFFICE SPACE	298		2.98	3
318 WORK ROOM	175		1.75	2
319A OFFICE	146		1.46	2
319C OFFICE	119		1.19	2
ACCESSRY STOR/ MECH				
305B CONFERENCE STORAGE	48	300 GROSS	0.16	1
FL AREA TOTAL: 26,140	1,936	TOTAL FUNCTION AREA		78
FLOOR 9				
ASSEMBLY-W/O FIXED SEATS				
903 BREAK ROOM	1144	15 NET	76.27	77
904 MEDIUM CONFERENCE ROOM	253		16.87	17
907 HUDDLE	117		7.80	8
ASSEMBLY- FIXED SEATS	(LINEAR FEET)			
903 BREAK ROOM BOOTH SEATING	48	2 NET	24.00	24
FL AREA TOTAL: 25,731	1,562	TOTAL FUNCTION AREA		126
GRAND FL AREA TOTAL: 352,449	9,336	GRAND TOTAL FUNCTION AREA		412

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2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

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CODE ANALYSIS

Scale **1" = 30'-0"**
Drawn CS/JV
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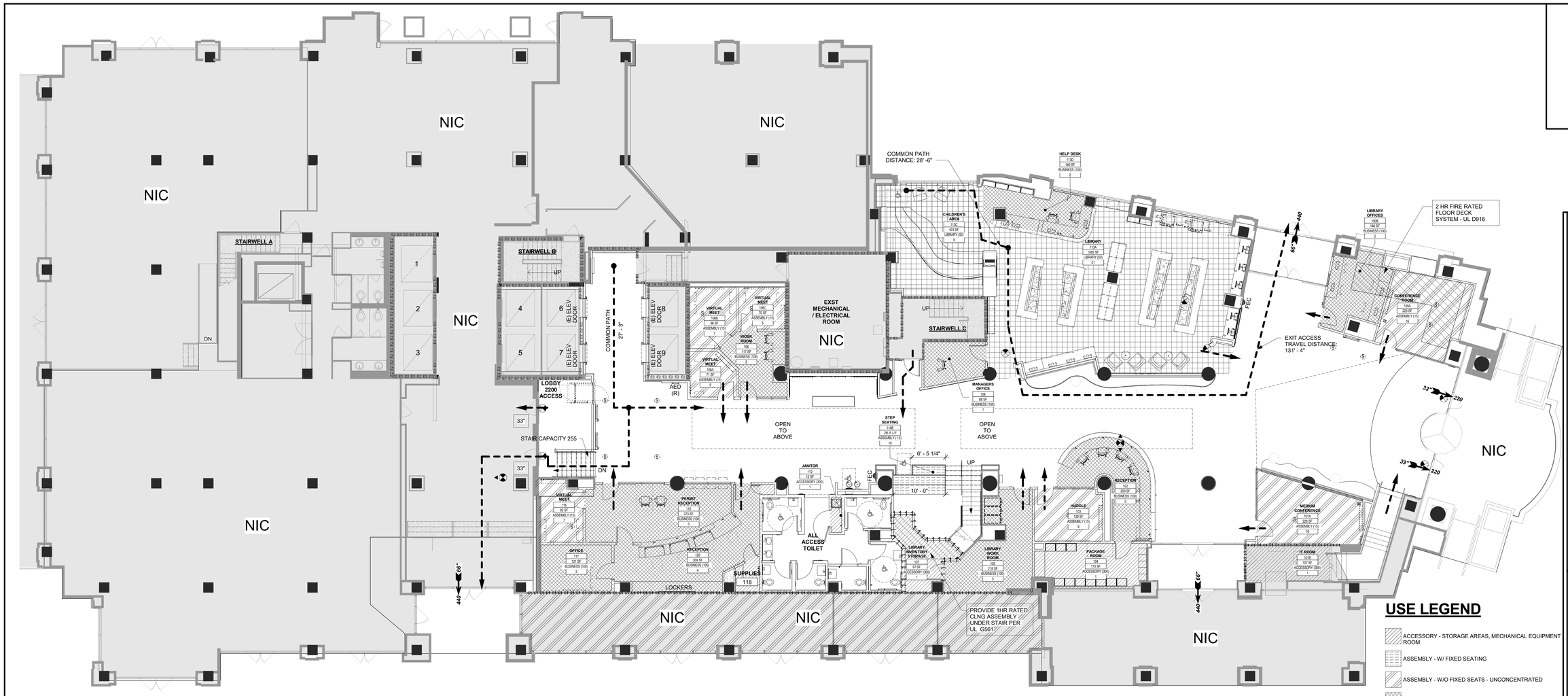

TOTAL WORK AREA: 10,667 SF

USE LEGEND

- ACCESSORY - STORAGE AREAS, MECHANICAL EQUIPMENT ROOM
- ASSEMBLY - W/ FIXED SEATING
- ASSEMBLY - W/O FIXED SEATS - UNCONCENTRATED
- BUSINESS - AREAS
- LIBRARY - READING ROOM

1 LEVEL 1 - LIFE SAFETY PLAN

1/8" = 1'-0"

LIFE SAFETY NOTES:

EXIT LIGHTS AND FIRE EXTINGUISHERS CABINETS OUT SIDE THE WORK AREA ARE NOT SHOWN AND ARE EXISTING TO REMAIN.

LIFE SAFETY LEGEND:

	WORK AREA
NIC	NO WORK IN THIS AREA
Room name / ### / AREA / OCCUPANCY (100) / LOAD	ROOM TAG ROOM NAME ROOM NUMBER ROOM AREA FUNCTION TYPE (OCC LOAD RATIO) OCCUPANT LOAD (CALC LOAD)
	EXIT SIGN WITH DIRECTIONAL ARROWS
(E) (R)	EXISTING RELOCATED
	EGRESS PATH WITH TRAVEL DISTANCE
220 33"	EXIT DOOR CAPACITY AND CLEAR EXIT WIDTH
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
DF	DRINKING FOUNTAIN
AED	AUTOMATED EXTERNAL DEFIBRILLATOR
E1 E1 E1	(E) 1 HOUR FIRE RATED
E2 E2 E2	(E) 2 HOUR FIRE RATED
1 1 1 1	1 HOUR FIRE RATED - UL U404

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LIFE SAFETY FIRST FLOOR PLAN

Scale **1/8" = 1'-0"**
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Checked RM

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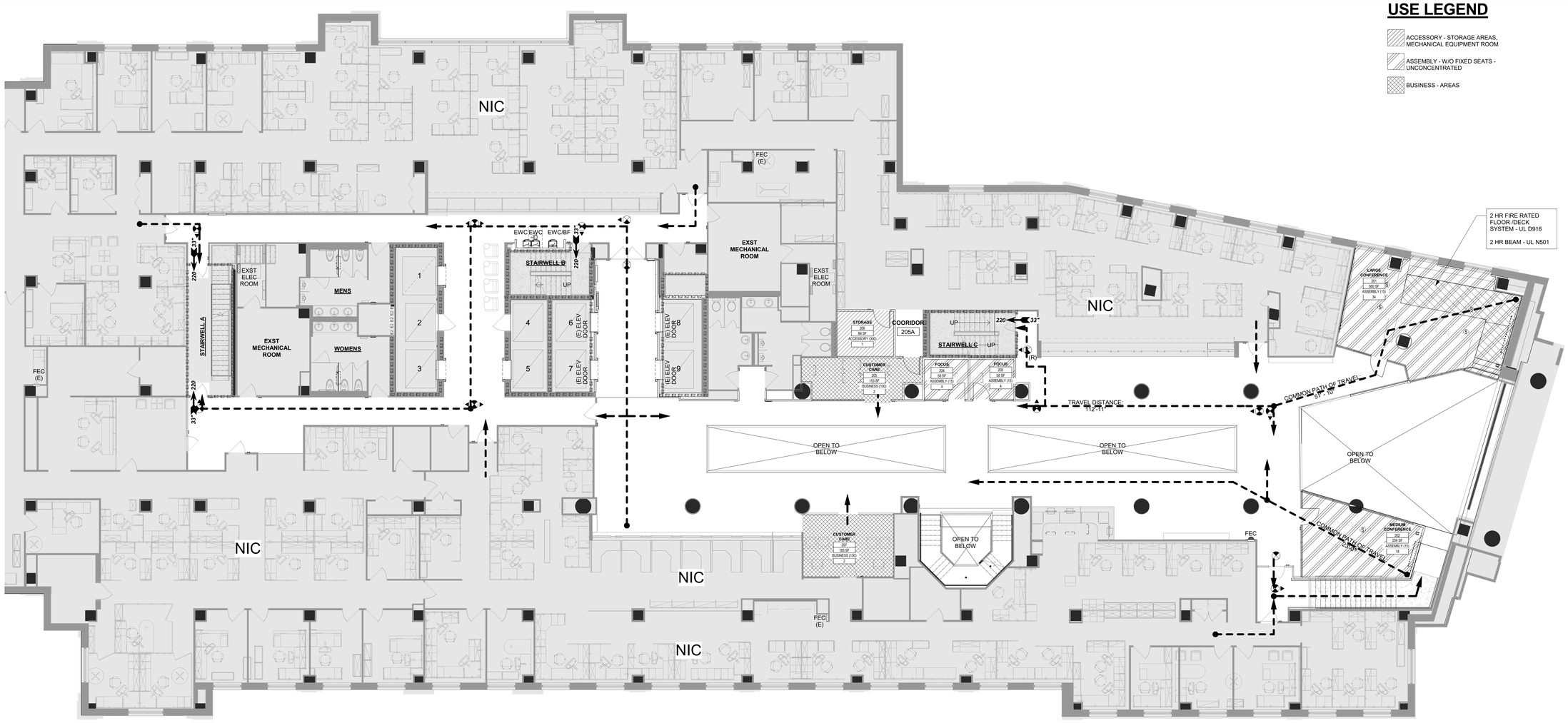
USE LEGEND

- ACCESSORY - STORAGE AREAS, MECHANICAL EQUIPMENT ROOM
- ASSEMBLY - W/O FIXED SEATS - UNCONCENTRATED
- BUSINESS - AREAS



1 LEVEL 2 - FLOOR PLAN
1/8" = 1'-0"

TOTAL WORK AREA: 29,346 SF

LIFE SAFETY NOTES:

EXIT LIGHTS AND FIRE EXTINGUISHERS CABINETS OUT SIDE THE WORK AREA ARE NOT SHOWN AND ARE EXISTING TO REMAIN.

LIFE SAFETY LEGEND:

	WORK AREA
NIC	NO WORK IN THIS AREA
Room name / ### / AREA / OCCUPANCY (100) / LOAD	ROOM TAG ROOM NAME ROOM NUMBER ROOM AREA FUNCTION TYPE (OCC LOAD RATIO) OCCUPANT LOAD (CALC LOAD)
	EXIT SIGN WITH DIRECTIONAL ARROWS
(E) (R)	EXISTING RELOCATED
	EGRESS PATH WITH TRAVEL DISTANCE
220 33"	EXIT DOOR CAPACITY AND CLEAR EXIT WIDTH
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
DF	DRINKING FOUNTAIN
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E2 E2 E2	(E) 2 HOUR FIRE RATED
1 1 1 1	1 HOUR FIRE RATED - UL U404

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LIFE SAFETY SECOND FLOOR PLAN

Scale **1/8" = 1'-0"**
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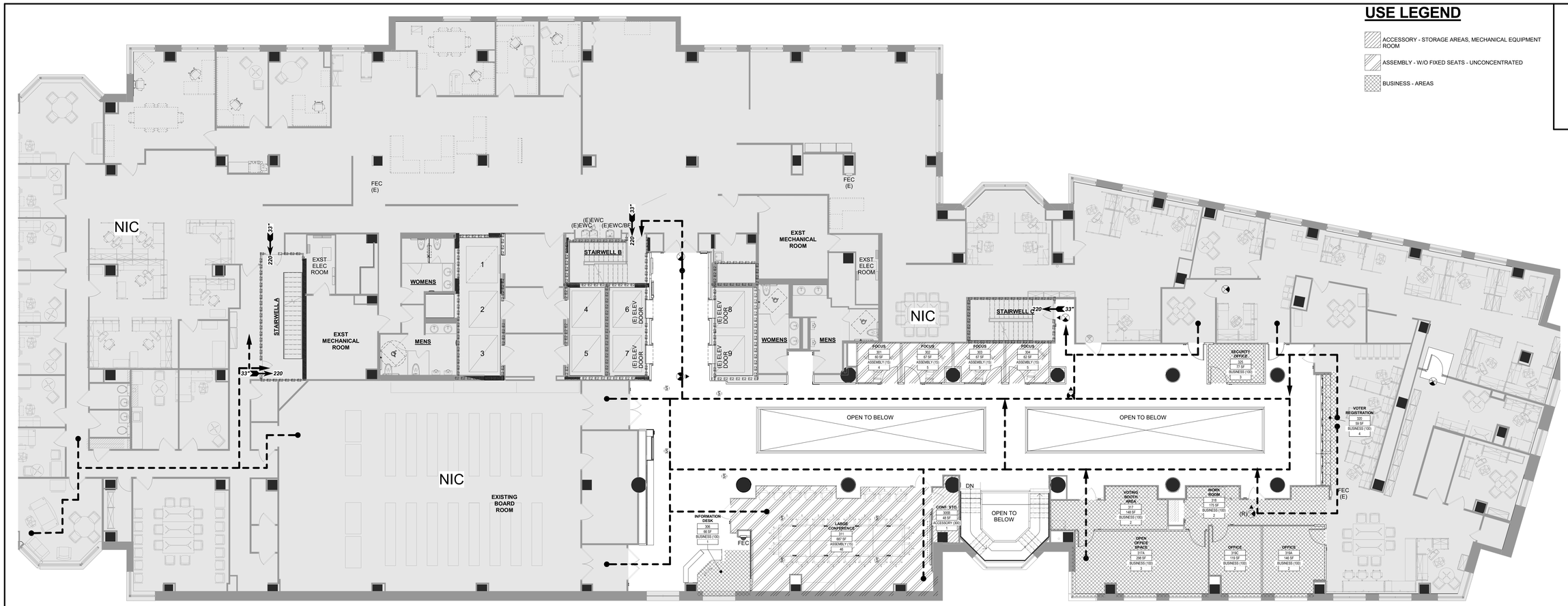
USE LEGEND

- ACCESSORY - STORAGE AREAS, MECHANICAL EQUIPMENT ROOM
- ASSEMBLY - W/O FIXED SEATS - UNCONCENTRATED
- BUSINESS - AREAS



1 LIFE SAFETY THIRD FLOOR PLAN

1/8" = 1'-0"

TOTAL WORK AREA: 4,429 SF

LIFE SAFETY NOTES:

EXIT LIGHTS AND FIRE EXTINGUISHERS CABINETS OUT SIDE THE WORK AREA ARE NOT SHOWN AND ARE EXISTING TO REMAIN.

LIFE SAFETY LEGEND:

- WORK AREA
- NIC — NO WORK IN THIS AREA
- ROOM TAG: ROOM NAME, ROOM NUMBER, ROOM AREA, FUNCTION TYPE (OCC LOAD RATIO), OCCUPANT LOAD (CALC LOAD)
- EXIT SIGN WITH DIRECTIONAL ARROWS
- (E) EXISTING; (R) RELOCATED
- EGRESS PATH WITH TRAVEL DISTANCE
- 220 33" — EXIT DOOR CAPACITY AND CLEAR EXIT WIDTH
- FE — FIRE EXTINGUISHER
- FEC — FIRE EXTINGUISHER CABINET
- DF — DRINKING FOUNTAIN
- AED — AUTOMATED EXTERNAL DEFIBRILLATOR
- E1 E1 E1 — (E) 1 HOUR FIRE RATED
- E2 E2 E2 — (E) 2 HOUR FIRE RATED
- 1 1 1 1 — 1 HOUR FIRE RATED - UL U404

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LIFE SAFETY THIRD FLOOR PLAN

Scale **1/8" = 1'-0"**
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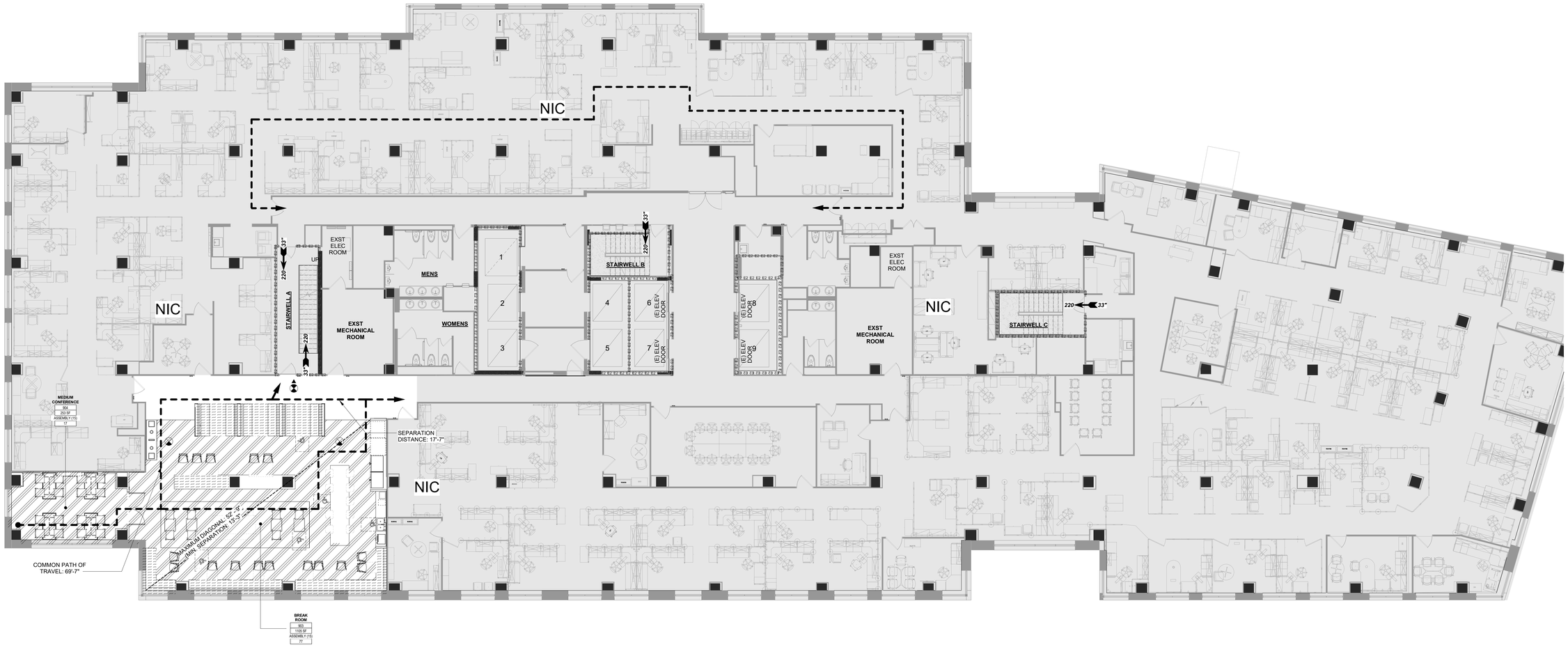
USE LEGEND

ASSEMBLY - W/ FIXED SEATING

ASSEMBLY - W/O FIXED SEATS - UNCONCENTRATED



TOTAL WORK AREA: 2,169 SF

2 LIFE SAFETY - LEVEL 9

1/8" = 1'-0"

LIFE SAFETY NOTES:

EXIT LIGHTS AND FIRE EXTINGUISHERS CABINETS OUT SIDE THE WORK AREA ARE NOT SHOWN AND ARE EXISTING TO REMAIN.

LIFE SAFETY LEGEND:

	WORK AREA
NIC	NO WORK IN THIS AREA
Room name / ### / AREA / OCCUPANCY (150) / LOAD	ROOM TAG ROOM NAME ROOM NUMBER ROOM AREA FUNCTION TYPE (OCC LOAD RATIO) OCCUPANT LOAD (CALC LOAD)
	EXIT SIGN WITH DIRECTIONAL ARROWS
(E) (R)	EXISTING RELOCATED
	EGRESS PATH WITH TRAVEL DISTANCE
220 33"	EXIT DOOR CAPACITY AND CLEAR EXIT WIDTH
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
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E1 E1 E1	(E) 1 HOUR FIRE RATED
E2 E2 E2	(E) 2 HOUR FIRE RATED
1 1 1 1	1 HOUR FIRE RATED - UL U404

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LIFE SAFETY 9TH FLOOR PLAN

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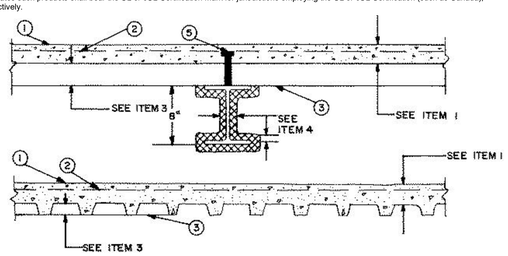
2 HR FLOOR/DECK - D916

Design No. D916
October 04, 2019

Restrained Assembly Ratings — 3/4, 1, 1-1/2, 2 or 3 Hr.
(See Items 1, 6, 7, 8 and 11)
Unrestrained Assembly Rating — 0 Hr. (See Items 3, 4 and 4A)
Unrestrained Beam Ratings — 1, 1-1/2, 2 and 3 Hr.
(See Items 4, 4A, 7 and 11)
This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



Supports — 8x28 min size steel beams. Or steel joists or joist girders (not shown), composite or noncomposite. Welded or bolted to end supports. Designed per S.J.I. specifications for a max tensile stress of 30 ksi. May be either uncoated or provided with a shop coat of paint. For the 2 h or less Restrained or Unrestrained Beam Ratings, top and bottom chords shall each consist of two angles with a min total area of 0.96 and 0.77 sq in., respectively. Web members shall be either round bars or angles. Min area of the end diagonal web shall be 0.444 sq in. Min area of each of the first six interior diagonal webs shall be 0.406 sq in. All other interior webs shall have a min area of 0.196 sq in. For the 3 h Restrained or Unrestrained Beam Ratings, each of the top and bottom chords shall each consist of two angles with a min total area of 1.74 sq in. Web members shall be either round bars or angles. Min area of each of the first five end diagonal webs shall be 0.886 sq in. All other interior webs shall have a min area of 0.441 sq in. Bridging per S.J.I. specifications is required when noncomposite joists are used. For noncomposite joists, steel filler pieces of proper size, 1 to 2 in. long shall be welded to and between the top chord angles at midway between all top chord panel points.

1. **Normal Weight or Lightweight Concrete** — Normal weight concrete carbonate or siliceous aggregate, 3500 psi compressive strength, vibrated. Lightweight concrete, expanded shale, or slate aggregate by rotary-kiln method, or expanded clay aggregate by rotary-kiln or sintered-grate method, or pelletized expanded blast furnace slag aggregate, 3000 psi compressive strength, vibrated, 4 to 7 percent entrained air.

Restrained Assembly Rating Hr	Concrete (Type)	Concrete Unit Weight pcf	Concrete Thkns In.
1	Normal Weight	147-153	3-1/2
1-1/2	Normal Weight	147-153	4
2	Normal Weight	147-153	4-1/2
3	Normal Weight	147-153	5-1/4
3/4 or 1 (See Item 6)	Lightweight	107-113	2-1/2
1	Lightweight	107-120	2-5/8
1-1/2	Lightweight	107-113	3
2	Lightweight	107-113	3-1/4
2	Lightweight	107-116	3-1/4*
2	Lightweight	114-120	3-1/2
3	Lightweight	107-113	4-3/16
3	Lightweight	114-120	4-7/16

*For use with 2 or 3 in. steel floor and form units only.

2. **Welded Wire Fabric —** 6x6 - W1.4xW1.4.

3. **Steel Floor and Form Units* —** Composite 1-1/2, 1-5/8, 1-13/16, 2 or 3 in. deep galv units or 4-1/2 in. deep noncomposite galvanized units. Fluted units may be uncoated or phosphatized/painted. Min gauges are 22 MSG for fluted and 20/20 MSG for cellular units. The following combinations of units may be used:
(1) all 18, 24, 26, 28 or 36 in. wide cellular.
(2) all fluted.
(3) one or two 3 in. deep, 12 in. wide, 18/18 MSG min cellular units, alternating with 3 in. deep fluted or other cellular.
(4) any blend of fluted and 18, 24, 26, 28, or 36 in. wide cellular.
(5) 3 in. deep, 30 in. wide cellular with 8-1/8 in. wide valley along side joints may be used when 3/8 in. diam reinforcing bars are placed 1-1/2 in. to each side of side joints and 1 in. above bottom of unit.
(6) Corrugated, 1-5/16 in. deep, 30 in. wide, 24 MSG min galv units with shear wires factory welded to deck corrugations. Welded to supports 12 in. OC. through welding washers. For shear wire spacing of 8 in. or less the steel deck stress shall not exceed 20 KSI. For shear wire spacing greater than 8 in. OC. but less than or equal to 12 in. OC., steel deck stress shall not exceed 12 KSI.

ASC STEEL DECK, DIV OF ASC PROFILES L L C — 32 in. wide Types NH-32, NHN-32, NHF-32; 36 in. wide Types BH-36, BHN-36, BHN-35-1/4, BHF-36, BHF-36A, 2WH-36, 2WHS-36, 2WHF-36, 2WHF-36A, 3WxH-36, 3WxHF-36, 3WxHF-36A, 3WH-36, 3WHF-36, 3WHF-36A, 3W-36, 3WF-36, DG3W-36, DG3WF-36. All units may be galvanized or Prime Shield. Non-cellular decks may be vented designated with a "V" suffix to the product name. Cellular deck top and bottom sections may be riveted together (designated with "Fr") vs. arc spot welded, "F".

CANAM STEEL CORP — 36 in. wide Type P-3623, P-3606, P-3615 and 24 in wide Type P-2432 composite.

CANAM STEEL CORP — 24 in. wide, Types 1-1/2 , 2 or 3 in. LOK-Floor and LOK-Floor Cell; 36 in. wide, Types 2 or 3 in. LOK-Floor and LOK-Floor Cell; 24 in. wide, Types N-LOK and N-LOK Cell; 24, 30 or 36 in. wide, Type 1-1/2 in. B-LOK and B-LOK Cell.

KAM INDUSTRIES LTD, DBA CORDECK — QL Types, 24 in. wide 3 or 3 inverted, UKX, UKX-3, 2 in. 99, AKX, 21 or 21 inverted, 121, NKX, TKX; 24 or 30 in. wide GKX, GKXH, GKX-A; 36 in. wide 99, AKX, WKX; 24, 26, or 36 in. wide NKX; 1.5NKC, NKC, AKX, 2 or 3 in. TKC; 12 in. wide noncomposite Sec. 12; 17 in. wide 21; 26 or 28 in. wide UKX. 87.5 cm wide. Side joints of QL, 99, 121, WKX, TKX, TKC, and Metric units - QL-77-900; QLC-78-900 may be welded together 60 in. OC. Side joints of 99, AKX, WKX, GKX, GKX-A, TKX and Metric units - QL-77-900 and QLC-78-900 may be fastened together with min 1 in. long No. 12x14 self-drilling, self-tapping steel screws 36 in. OC.

CHIA TEH CONSTRUCTION MATERIAL CO LTD — 24 or 36 in. wide Mac-Lok 3; 24 in. wide CFD-3.

NEW MILLENNIUM BUILDING SYSTEMS L L C — 24 in. wide Type Versa-Dek.

DECK WEST INC — 36 in. wide Type B-DW, Inverted B-DW, BA-DW, Inverted BA-DW, 2-DW or 3-DW. Side joints of Type 2-DW and 3-DW may be fastened together with min 1 in. long No. 12 x 14 self-drilling, self-tapping steel screws 36 in. OC.

DESIGN ASSISTANCE CONSTRUCTION SYSTEMS INC — 36 in. wide Type DACS1.5CD, or 24 in. wide Type DACS2.0CD, or DACS3.0CD.

EPIC METALS CORP — 24 in. wide Types EC150, ECP150, EC300, ECP300, EC366, ECP366, EC150, EC300 inverted, ECA, 30 in. wide Types ECB150, ECBR150; 36 in. wide Type EC266.

HAMBRO STRUCTURAL SYSTEMS, DIV OF CANAM STEEL CORP — 36 in. wide, 1-1/2 in. Type P3615HB. The max superimposed loadings for Type P3615HB units shall not exceed 250 PSF. For single spans, the use of the units shall be limited to 5 ft 6 in., 6 ft 0 in. and 6 ft 6 in. max spans for the 22, 20 and 18 gauge units, respectively. For multiple spans, 18 gauge units may be used on a max 7 ft 6 in. spans with a max total superimposed loading of 240 PSF.

KAM INDUSTRIES LTD, DBA CORDECK — 24 in. wide, Types 2 or 3 in. WDR.

MARLYN STEEL DECKS INC — Type 1.5 CF, 2.0 CF or 3.0 CF.

NEW MILLENNIUM BUILDING SYSTEMS L L C — 24 or 36 in. wide Types 2.0CD, 3.0CD, 2.0CFD, 3.0CFD, 3.0CFDES; 24, 30 or 36 in. wide Types 1.5CD, 1.5CDI, 1.5CDR, 1.5CFD. Fluted units may be phos/painted or galvanized.

ROOF DECK INC — 36 in. wide Types LOK 1 1/2, LOK 1 1/2 R; 24 in. wide Types LOK-2, LOK-3.

STEEL MASTERS INTERNATIONAL DEPENDABLE STEEL — 36 in. wide Types 2WH-36, 3WH-36. Units may be phos/painted or galvanized.

TATA STEEL INTERNATIONAL MIDDLE EAST FZE — 36 in. wide, Type ComFlor 46.

VALLEY JOIST+DECK — 24 or 36 in. wide Types WVC 1-1/2 or WVC 2.

VERCO DECKING INC - A NUCOR CO — FORMLOK™ deck types PLB, B, BR, PLN3, N3, PLN, N, PLW2, W2, PLW3, W3. Units may be galvanized, phos./ptd., or mill finish. Units may be cellular or acoustical cellular, with the suffix "CD" or "CD-AC" added to the product name, respectively. All non-cellular deck may be vented or non-vented. 12 in. wide PLW2, W2, PLW3 or W3 units may be blended with 24 or in. wide PLW2, W2, PLW3 or W3 units, respectively; or Types N3, PLN3.

VULCRAFT, DIV OF NUCOR CORP — 24, 30 or 36 in. wide Types 1.5VL, 1.5VLI, 1.5PLVLI, 1.5VLP, 1.5PLVLP, 1.5VLR; 24 or 36 in. wide Types 1.5VLPA, 1.5PLVLPA, 2VLI, 2.0PLVLI, 2VLJ, 2VLP, 2.0PLVLP, 2VLPA, 2.0PLVLPA, 3VLI, 3.0PLVLI, 3VLJ, 3VLP, 3.0PLVLP, 3VLPA, 3.0PLVLPA; Types 1.5VL, 1.5VLI, 1.5PLVLI, 1.5VLR, 2VLI, 2.0PLVLI, 2VLJ, 3VLI, 3.0PLVLI, 3VLJ units may be phos/ptd. 24 or 36 in. wide Types 2VLJ, 3VLJ units ++ may be used for max 2 hr Restrained Assembly Rating. Side joints of Type 1.5VL may be fastened together with min 1 in. long No. 12x14 self-drilling, self-tapping steel screws 36 in. OC max. 36 in. wide Types 1.5 SB, 1.5 SBR; 24 or 36 in wide Types 2.0 SB, 3.0 SB, 36 in. wide Type High Strength 1.5 SBI, 36 in. wide Type High Strength 1.5 SBN.

Spacing of welds attaching units to supports shall be 12 in. OC for 12, 24, and 36 in. wide units, four welds per sheet for 30 in. wide units, 6 in. OC for 18 in. wide and Sec. 12 units. Unless noted otherwise, adjacent units button-punched or welded together 36 in. OC along side joints. Adjacent 18 in. wide units welded together 30 in. OC along side joints. For **3 Hr. Rating,** units with overlapping type side joints welded together 24 in. OC max.

When a superimposed load of 250 PSF is desired the spacing of welds or button-punches shall not exceed 24 in. OC along side joints.
++ Side joints of Types 2VLJ or 3VLJ units may be fastened together with No. 8, 3/4 in. long self-drilling Tek screws driven diagonally from the top side through the joint of the units at 36 in. O. C. max.

The Unrestrained Assembly Rating is equal to the Unrestrained Beam Rating for a max of 3 Hr. and is limited to the following units and limitations:
(a) 1-1/2 in. deep, 24 or 36 in. wide, 22 MSG or thicker fluted with clear spans not more than 7 ft 8 in.
(b) 1-1/2 in. deep, 24 or 36 in. wide, 20 MSG or thicker fluted with clear spans not more than 8 ft 8 in.
(c) 1-1/2 in. deep, 24 or 36 in. wide, 16 MSG or thicker fluted and 18/18 MSG or thicker cellular with clear spans not more than 9 ft 11 in.
(d) 3 in. deep, 36 in. wide, 18 MSG or thicker fluted and 24 in. wide, 20/18 MSG or thicker cellular with clear spans not more than 13 ft 2 in.

4. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below, in the tables below to steel beam surfaces which must be clean and free of dirt, loose scale and oil. Min avg and min ind density of 15/14 pcf respectively. Min avg and min ind density of 19/18 pcf respectively for Type 7GP and 7HD. For method of density determination, refer to Design Information Section.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	1/2
1-1/2	1	1	1/2
1-1/2	1-1/2	1-1/2	13/16
2	1	1	1/2
2	2	2	1-1/16
3	1-1/2	1-1/2	13/16
3	3	3	1-9/16

The thicknesses of Spray-Applied Fire Resistive Materials shown in the table below are applicable when the thickness applied to the beams' lower flange edges is reduced by 1/2 that shown in the table:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	9/16
1-1/2	1	1	9/16
1-1/2	1-1/2	1-1/2	7/8
2	1	1	9/16
2	2	2	1-3/16
3	1-1/2	1-1/2	7/8
3	3	3	1-3/4

The thicknesses of Spray-Applied Fire Resistive Materials shown in the table below are applicable when the thickness applied to the beams' lower flange edges is reduced by 1/2 that shown in the table and the beams are supporting all fluted floor or form units w/lightweight concrete only:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	7/16+
1-1/2	1	1	7/16+
1-1/2	1-1/2	1-1/2	3/4
2	1	1	7/16+
2	2	2	1
3	1-1/2	1-1/2	3/4
3	3	3	1-9/16

+Thickness applied to beams' lower flange edge to be 1/4 in. min.

The thickness of material required on the steel joist for the various ratings are shown in the following table:

Restrained or Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Joist & Bridging In.
1	1	1-1/8
1-1/2	1-1/2	1-3/4
2	2	2-1/4
3	3	2-7/8

GCP KOREA INC — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Monokote Acoustic 1.

PYROK INC — Type LD.

SOUTHWEST FIREPROOFING PRODUCTS CO — Types 4, 5, 5EF, 5GP, 5MD, 7GP, 7HD, 8EF, 8GP, 8MD, 9EF, 9GP, 9MD.

GCP APPLIED TECHNOLOGIES INC — Types MK-6/HY, MK-6s, RG, Monokote Acoustic 1.

4A. **Alternate Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below to steel beam surfaces which must be clean and free of dirt, loose scale and oil. When fluted steel deck is used the area between the steel deck and the beams top flange shall be sprayed min avg and min ind density of 19/18 pcf, respectively for Types 7GP, 7HD, 105. Min avg and min ind density of 22/19 pcf, respectively for Types Z-106, Z-106/G, Z-106/HY. For method of density determination, refer to Design Information Section.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	1/2
1-1/2	1	1	1/2
1-1/2	1-1/2	1-1/2	13/16
2	1	1	1/2
2	2	2	1-1/16
3	1-1/2	1-1/2	13/16
3	3	3	1-9/16

The thicknesses of Spray-Applied Fire Resistive Materials shown in the table below are applicable when the beams are supporting all fluted floor or form units w/lightweight concrete only:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	7/16
1-1/2	1	1	7/16
1-1/2	1-1/2	1-1/2	3/4
2	1	1	7/16
2	2	2	1
3	1-1/2	1-1/2	3/4
3	3	3	1-5/16

+Thickness applied to beams lower flange edge to be 1/4 in. min.

The thickness of material required on the steel joist for the various Ratings are shown in the following table:

Restrained or Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Type of Concrete Slab	Spray Applied Fire Resistive Mtl Thkns In. Joist & Bridging
1	1	NW or LW	1-1/8
1-1/2	1-1/2	NW or LW	1-3/4
2	2	NW or LW	2-1/4
3	3	NW or LW	2-7/8

GCP KOREA INC — Types Z-106, Z-106/G, Z-106/HY, Monokote Acoustic 5.

SOUTHWEST FIREPROOFING PRODUCTS CO — Types 7GP, 7HD.

GCP APPLIED TECHNOLOGIES INC — Types Z- 105, Z-106, Z-106/G, Z-106/HY, Monokote Acoustic 5.

4B. **Alternate Spray-Applied Fire Resistive Materials —** Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below to steel beam surfaces which must be clean and free of dirt, loose scale and oil. The thicknesses shown in the table below are applicable to beams supporting all fluted floor or form units. Min avg and min ind density of 40/36 pcf, respectively. Min avg and min ind density of 40/36 pcf respectively for Types Z-146, Z-146PC and Z-146T cementitious mixture. Min avg and min ind density of 50/45 pcf respectively for Types Z-156, Z-156T and Z-156PC. For density determination refer to Design Information Section.

Unrestrained Beam Rating Hr	Restrained Assembly Rating Hr	Concrete Type	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1, 1-1/2, 2	LW	9/16
1-1/2	1, 1-1/2, 2, 3	LW	7/8
1	1, 1-1/2, 2	LW	3/4
1-1/2	1, 1-1/2, 2, 3	LW	1

T**GCP KOREA INC** — Type Z-146 investigated for exterior use

GCP APPLIED TECHNOLOGIES INC — Types Z-146, Z-146T, Z146PC, Z-156, Z-156T and Z-156PC investigated for exterior use

5. **Shear-Connector Studs — Optional —** Studs 3/4 in. diam by 3 in. long, for 1-1/2 in. deep form units to 5-1/4 in. long for 3 in. deep form units, headed type or equivalent per AISC specifications. Welded to the top flange of the beam through the steel form units.

6. **Electrical Inserts —** (Not shown) Classified as **"Outlet Boxes and Fittings Classified for Fire Resistance."**
KAM INDUSTRIES LTD, DBA CORDECK — Preset Inserts

For use with 2-1/2 in. lightweight concrete topping over QL-WKX steel floor units. Installed over factory-punched holes in floor units per accompanying installation instructions.
Spacing shall not be more than one insert in each 14 sq ft. of floor area with spacing along floor units not less than 48 in. OC. The holes cut in insert cover for passage of wires shall be no more than 1/8 in. larger diam. than wire. Restrained Assembly Rating is 3/4 hr with Tapmate II-FS-1 and 1 hr with Tapmate II-FS-2 inserts.

KAM INDUSTRIES LTD, DBA CORDECK — Tapmate II-FS-1, II-FS-2; Series KEB.

(2) **Wiremold Co.** — After set Inserts.
Single-service after set inserts installed per accompanying installation instructions in 2-1/2 in. diam hole core-drilled through min 3-1/4 in. thick concrete topping to top of cell of any min 3 in. deep cellular steel floor unit specified under Item 3. Spacing shall be no more than one insert in each 10 sq ft of floor area in each span with a min center to center spacing of 16 in. If the high potential and low potential raceways of the cellular steel floor unit are separated by a valley filled with concrete, the center to center spacing of the high potential and low potential single-service after set inserts may be reduced to a min of 7-1/2 in. Restrained Assembly Rating is 2 hr or less with internally protected type 436 after set insert with Type M4-, M6- or M8- Series single-service activation fitting.

WIREMOLD CO — Internally protected Type 436 after set insert with Type M4-, M6- or M8- Series single-service activation fitting.

7. **Mineral and Fiber Boards* —** (Optional, not shown). Applied over concrete floor with no restriction on board thickness. When mineral and fiber boards are used, the unrestrained beam rating shall be increased by a minimum of 1/2 hr.
See Mineral and Fiber Board (CERZ) category for names of manufacturers.

8. **Roof Covering Materials* —** (Optional, not shown)Consisting of materials compatible with insulations described herein which provide Class A, B or C coverings. See Built-Up Roof Covering Materials in Building Materials Directory.

9. **Insulating Concrete —** (not shown) Optional. Various types of insulating concrete prepared and applied in the thickness indicated:
A. **Vermiculite Concrete —** (not shown) Optional.
1. Blend 6 to 8 cu. ft. of Vermiculite Aggregate* to 94 lb. Portland Cement and air entraining agent. Min thickness of 2 in. as measured to the top surface of the structural concrete or foamed plastic (Item 10) when it is used.
ELASTIZELL CORP OF AMERICA
SIPLAST INC
VERMICULITE PRODUCTS INC
2. Blend 3.5 cu. ft. of Type NVC Concrete Aggregate* or Type NVS Vermiculite Aggregate* coat, 1/8 in. thickness beneath foamed plastic (Item 10) when used, 1 in. min topping thickness.
SIPLAST INC
VERMICULITE PRODUCTS INC
Vermiculite concrete may be covered with Roof Covering Materials (Item 8).

B. **Cellular Concrete — Roof Topping Mixture* —** concentrate mixed with water and Portland cement per manufacturers specifications. Min. thickness of 2-in. as measured to the top surface of the structural concrete or foamed plastic (Item 10A) when used. Cast dry density and 28— day min. compressive strength of 190 psi as determined with ASTM C495— 66.
AERIX INDUSTRIES — Cast dry density of 37 (+ or -) 3.0 pcf.

CELCORE INC — Type Celcore with cast dry density of 31 (+ or - 3.0) pcf or Type Celcore MF with cast dry density of 29 (+ or - 3.0) pcf.

ELASTIZELL CORP OF AMERICA — Type II. Mix #1 of cast dry density 39 (+ or -) 3.0 pcf, Mix #2 of cast dry density 40 (+ or -) 3.0 pcf, Mix #3 of cast dry density 47 (+ or -) 3.0 pcf.

C. **Cellular Concrete-Roof Topping Mixture* —** Concentrate mixed with water and Portland cement per manufacturers specifications. 28-day min. compressive strength of 190 psi as determined with ASTM C495-66.
SIPLAST INC — Mix No. 1 or 2. Cast dry density of 32+3 (Mix No. 1) or 36+3 (Mix No. 2) pcf.

D. **Perlite Concrete —** 6 cu ft. of Perlite Aggregate* to 94 lb of Portland Cement and 1-1/2 pt air entraining agent. Min. thickness 2 in. as measured to the top surface of structural concrete or foamed plastic (Item 10A) when it is used.
See Perlite Aggregate (CFFX) in Fire Resistance Directory for names of manufacturers.
E. **Cellular Concrete — Roof Topping Mixture* —** Foam Concentrate mixed with water, Portland Cement and UL Classified Vermiculite Aggregate per manufacturer's application instructions. Cast dry density of 33 (+ or -) 3.0 pcf and 28-day compressive strength of min 250 psi as determined in accordance with ASTM C495-86.
AERIX INDUSTRIES — Mix No. 3.

SIPLAST INC — Mix No. 3.

F. **Floor Topping Mixture* —** (Optional, not shown) — Approx 4.5 gal of water to 41 lbs of NVS Premix floor topping mixture. Slurry coat 1/8 in. thickness beneath foamed plastic (Item 10) when used , 1 in. min topping thickness.
SIPLAST INC
Floor Topping Mixture may be covered with Built-Up or Single Membrane Roof Covering.

10. **Foamed Plastic* —** (optional — Not Shown) For use only with vermiculite (Item 9A) or cellular (Item 9C) concretes — Rigid polystyrene foamed plastic insulation having slots and/or holes sandwiched between vermiculite concrete slurry which is applied to the normal or lightweight concrete surface and vermiculite concrete topping (Item 9A).
SIPLAST INC
VERMICULITE PRODUCTS INC

10A. **Foamed Plastic* —** For use only with cellular concrete. Nominal 24 by 48 in. polystyrene foamed plastic insulation boards having a density of 1.0 + 0.1 pcf encapsulated within cellular concrete topping (Item 9B). Each insulation board shall contain six nominal 3 in. diameter holes oriented in two rows of three holes each with the holes spaced 12 in. OC, transversely and 16 in. OC longitudinally.
See Foamed Plastic* (BRYX) category in Building Materials Directory or Foamed Plastic* (CCVW) category in Fire Resistance Directory for list of manufacturers.

11. **Foamed Plastic* —** (Optional, not shown). Polyisocyanurate roof insulation, applied over concrete floor with no restriction on insulation thickness. When polyisocyanurate insulation is used, the unrestrained beam rating shall be increased by a minimum of 1/2 hr.

12. **Metal Lath —** (Not Shown) — (Required with Z-146, Z-146T, Z146PC, Z-156, Z-156T and Z-156PC, otherwise optional) - Metal lath may be used to facilitate the spray application of Spray-Applied Fire Resistive Materials on steel bar joist and trusses. The diamond mesh, 3/8 in. expanded steel lath, 1.7 to 3.4 lb per sq yd is secured to both sides of each steel joist with No. 18 SWG galv steel wire at joist web and bottom chord members spaced 15 in. OC max. When used, the metal lath is to be fully covered with Spray-Applied Fire Resistive.
See **Foamed Plastic** (CCVW) category for list of manufacturers.

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RENOVATIONS
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
PERMIT / BID
Revisions

UL ASSEMBLIES

Scale **12" = 1'-0"**
Drawn KBEL4
Checked RM

LS2.1

PERMIT / BID

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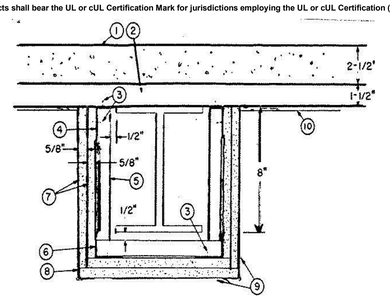
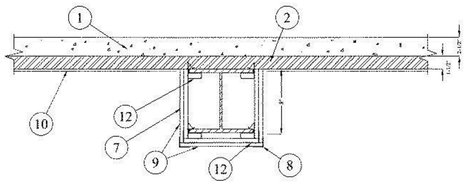
2 HR BEAM - N501

Design No. N501
November 22, 2019

Restrained Beam Rating — 2 Hr.
Unrestrained Beam Rating — 2 Hr.
This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**





Steel Beam — Min size, a W8X24 with outside dimensions of 7-7/8x6-1/2 in. with a flange thickness of 3/8 in., a web thickness of 1/4 in., and a cross-sectional area of 7.06 sq in.
1. **Normal Weight Concrete —** 148 pcf.
2. **Steel Floor and Form Units* —** 1-1/2 in. fluted type, welded to beam.
3. **Drill Screw —** No. 8-18 by 1/2-in. long Phillips panhead drill screws, self-drilling and self-tapping, made of case-hardened steel.
4. **Runner Angle —** 24 MSG galv steel with 1 and 2-in. legs. Fastened to steel deck 12 in. O.C. with Item 3.
5. **Channel Bracket —** Fabricated from 25 MSG galv steel, 1-11/16 in. deep with 1-in. legs and spaced 24 in. O.C. Fastened to the runner angles with Item 3.
6. **Corner Angle —** Same material as Item 4, fastened to channel brackets with Item 3.
7. **Gypsum Board* —** 5/8 in. thick. First layer fastened with 1-1/4 in. long, 0.150 in. diam screws spaced 16 in. O.C. Second layer attached with 1-3/4 in. long, 0.150 in. diam screws spaced 8 in. O.C. Screws are self-drilling and self-tapping Phillips head made of case-hardened steel.

AMERICAN GYPSUM CO — Types AGX-1, AG-C, LightRoc.

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1.

CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

CERTAINTEED GYPSUM INC — Types FRPC, SF3, EGRG, GlasRoc, GlasRoc-2, Type C, Type X, Type X-1, Easi-Lite Type X-2.

CGC INC — Type C, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, ULIX.

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Types LGFC6A, LGFC-C/A.

GEORGIA-PACIFIC GYPSUM L L C — Types 5, C, DAP, DD, DA, DAPC, DGG, DS, GPFS1, GPFS6, TG-C, Type X, Veneer Plaster Base-Type X, Water Rated-Type X, Sheathing Type-X, Soffit-Type X, GreenGlass Type X, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X.
NATIONAL GYPSUM CO — Types FSK, FSK-C, FSK-G, FSL, FSMR-C, FSW, FSW-C, FSW-G, FSW-3, FSW-6, FSW-8.

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types C, PG-3, PG-9, PG-11, PG-C, or PGS-WRS.

PANEL REY S A — Type PRC

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type (E)-1

THAI GYPSUM PRODUCTS PCL — Type C, Type X.

UNITED STATES GYPSUM CO — Types C, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, ULIX.

USG BORAL DRYWALL SFZ LLC — Types C, SCX

USG MEXICO S A DE C V — Types C, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX.

8. **Corner Bead —** Fabricated from 20 MSG galv steel to form an angle with 1-1/4 in. legs. Legs perforated with 1/4 in. diam holes approx 1 in. OC. Attached to wallboard with special crimping tool approx 6 in. OC. As an alternate, the bead may be nailed to the wallboard.

9. **Joint Compound —** 1/32 in. thick on bottom and sides of wallboard from corner beads and feathered out. Paper tape embedded in joint compound over joints with edges of compound feathered out.

10. **Protective Material — Spray-Applied Fire Resistive Materials* —** Spray applied to the underside of the steel floor units, filling the flutes of the units and providing a smooth ceiling which was 1/4 in. thick as measured from the bottom plane of the floor units. See Spray-Applied Fire Resistive Materials (CHPX) category for names of manufacturers.

11. **Alternate Joint System —** (Not Shown) — For lath only. A 1/16 in. thickness of gypsum plaster applied to entire exposed surface over either paper tape on joints embedded in cementitious compound or 2 1/2 in. wide glass fiber tape stapled 8 in. OC on joints.

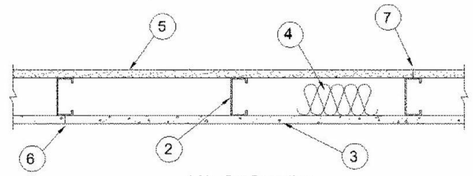
12. **Alternate Construction - Steel Framing Members* —** As an alternate to Items 3, 4, 5 and 6 steel clips attached to both sides of beam flanges 2 ft OC and at ends of beam. First layer of gypsum board fastened to steel clips with 1-1/4 in. long Type S drywall screws. 2 in. by 2 in. 25 MSG angle fastened to clips on bottom portion of assembly with 2 in. long Type S drywall screws. Second layer of gypsum board fastened to angle and steel clips with 2 in. long Type S drywall screws, spaced 2 ft OC. Screws are self-drilling and self-tapping Phillips head made of case-hardened steel.
JOHN WAGNER ASSOCIATES INC, DBA GRABBER — Type CB Clip.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

1 HR PARTITION - U404

DESIGN NO. U404
BXUV.U404
FIRE RESISTANCE RATINGS - ANSI/UL 263

DESIGN NO. U404
OCTOBER 10, 2017
NONBEARING WALL RATING — 1 AND 2 HR (SEE ITEMS 3 AND 5)
*** INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.**



1 Hr. Configuration

1. **Steel Floor and Ceiling Runners —** (Not Shown) — Channel shaped, 3-1/2 in. wide by 1-1/4 in. deep, fabricated from min 20 MSG (0.0329 in., min bare metal thickness) galvanized steel. Attached to floor and ceiling with steel fasteners spaced 24 in. OC max.
2. **Steel Studs —** Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min width, min 1-1/2 in. flanges and 1/4 in. return, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.
3. **Cementitious Backer Units* —** 1/2 in. or 5/8 in. thick, applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with corrosion resistant, chamfered, ribbed wafer head screws with a minimum head diameter of .400 inch. For nonbearing systems, fastened to studs and bottom runners with the uppermost screws placed 1/2 in. to 2 in. below the bottom edge of the leg of the top runner. Horizontal joints need not be backed by framing. **1 Hr System** - Screws shall be min 1-1/4 in. long and spaced a max of 8 in. OC. All vertical joints staggered one stud cavity from gypsum board vertical joints on the opposite side of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. **2-Hr System** - For the base layer in Configuration B, the screws shall be min 1-1/4 in. long and spaced a max of 12 in. OC. For the face layers, screws shall be 1-5/8 in. long and spaced a max of 8 in. OC. All face layer joints offset min 12 in. from underlying base layer joints. Joints in either layer need not be staggered from joints on the opposite side of the wall.
UNITED STATES GYPSUM CO — Type DCB
4. **Batts and Blankets* —** Min 3 in. thick mineral wool insulation batts, friction-fitted between studs .
INDUSTRIAL INSULATION GROUP L L C — Type SAFB
JOHNS MANVILLE — Type SAFB
ROCKWOOL — Type AFB
THERMAFIBER INC — Type SAFB, SAFB FF
5. **Gypsum Board* —** 5/8 in. thick, with square or tapered edges, applied vertically or horizontally with vertical joints centered over studs. Horizontal joints need not be backed by framing. Fastened with Type S-12 screws. **1-Hr System** - For vertical application, fastened to studs and runners with 1 in. long screws spaced max 8 in. OC at vertical edges and spaced max 12 in. OC in the field. For horizontal application, fastened to studs and runners with 1 in. long screws spaced max 8 in. OC. Vertical joints staggered one stud cavity from cement board vertical joints on opposite side of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. **2-Hr System** - Base layer with an overlying gypsum board face layer, fastened with 1 in. long screws spaced max 16 in. OC to studs and runners. Base layer with an overlying cement board face layer, fastened with 1 in. long screws spaced max 12 in. OC to studs and runners. Face layers fastened with 1-5/8 in. long screws spaced max 16 in. OC to studs and runners with screws offset 8 in. from face layer screws. Face layer joints offset min 12 in. from base layer joints. Joints in either layer need not be staggered from joints on the opposite side of the wall. When used in widths other than 48 in., gypsum panels to be installed horizontally.
CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, SGX, ULX, USGX, WRC or WRX (Joint tape and compound, Items 6 and 7, optional for use with Type USGX).
UNITED STATES GYPSUM CO — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, ULX, WRC, WRX, USGX (Joint tape and compound, Items 6 and 7, optional for use with Type USGX).
USG BORAL DRYWALL SFZ LLC — Types C, SCX, SGX, USGX (Joint tape and compound, Items 6 and 7, optional for use with Type USGX).
USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX (Joint tape and compound, Items 6 and 7, optional for use with Type USGX).
5A. **Gypsum Board* —** (As an alternate to Item 5 may be used as the base layer on one or both sides of wall, For direct attachment only) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.
RAY-BAR ENGINEERING CORP — Type RB-LBG
5B. **Gypsum Board* —** (As an alternate to Item 5 may be used as the base layer on one or both sides of wall, For direct attachment only). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or #6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.
NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Nelco
5C. **Gypsum Board* —** (As an alternate to Item 5) For Direct Application to Studs Only- For use as the base layer or as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in OC in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in. placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 5/16 in. diam by max 0.140 in. thick. compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in.
MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum
5D. **Gypsum Board* —** ((As an alternate to Items 5 may be used as the base layer on one or both sides of wall, For direct attachment only)) For Direct Application to Studs Only- Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel.
RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall
6. **Joints —** Covered with glass fiber mesh tape and latex modified Portland cement mortar or basecoat, or Type I organic adhesive.
7. **Joints —** When tapered edge gypsum board is used, face layer joints covered with joint compound and paper tape. As an alternate, gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with joints reinforced. When square-edge gypsum board is used, treatment of joints is optional.
8. **Vapor Retarder, Water Barrier or Weather Resistive Barrier —** (Optional — Not shown) — As required.
9. **Lead Batten Strips —** (Not Shown, For use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5A) and optional at remaining stud locations. Required behind vertical joints.
9A. **Lead Batten Strips —** (Not Shown, for use with Item 5C) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of .0140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5) and optional at remaining stud locations.
10. **Lead Discs or Tabs —** (Not Shown, For use With Item 5A) - Used in lieu of or in addition to the lead batten strips (Item 9) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5A) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".
10A. **Lead Discs —** (Not Shown, for use with Item 5C) Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".
11. **Lead Batten Strips —** (Not Shown, For Use With Item 5B) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations.
12. **Lead Tabs —** (Not Shown, For Use With Item 5B) 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5B) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

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UL ASSEMBLIES

Scale **12" = 1'-0"**
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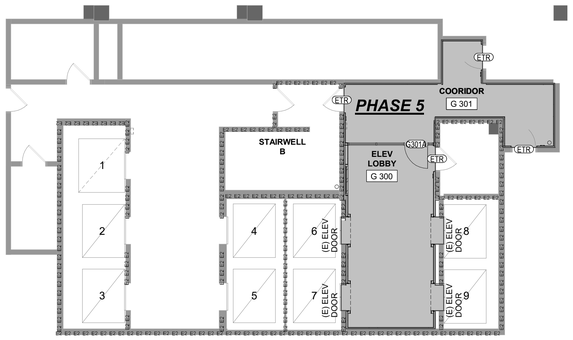
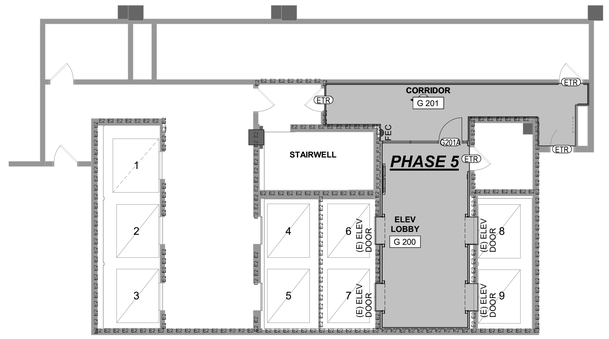
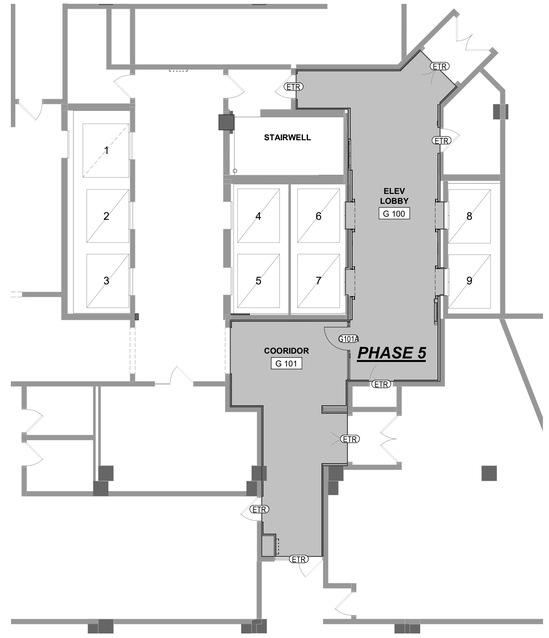


1 LEVEL G3
1/8" = 1'-0"



2 LEVEL G2
1/8" = 1'-0"



3 LEVEL G1
1/8" = 1'-0"

PHASING LEGEND:

PHASE 5 — NOTE: THIS PHASE TO BE COMPLETED DURING NON-BUSINESS HOURS

PHASING NOTES:

1. TEMPORARY PARTITION LOCATION SHOWN ON DRAWINGS IS GRAPHIC. LOCATE IN FIELD AS REQUIRED FOR RENOVATION WORK.
2. MAINTAIN 44" MINIMUM WIDTH IN THE CORRIDORS AT ALL TIMES AND ADJUST LOCATION OF TEMP PARTITION AS NEEDED
3. REFER TO SHEET A2.1 FOR DOOR TYPE
4. REFER TO SHEET A8.1 FOR PARTITION TYPE
5. REFER TO SPECIFICATIONS SECTION 011000 FOR PHASING AND SCHEDULING REQUIREMENTS
6. COORDINATE W/ OWNER FOR ANY VARIANCES TO THE PHASING SCHEDULE
7. ACCESS TO ALL ELEVATOR DOORS MUST BE MAINTAINED THROUGHOUT THE ENTIRE RENOVATION
8. CONTRACTOR MAY PROPOSE ALTERNATE PHASING AT ELEVATOR LOBBIES THAT ALLOW ACCESS TO ALL ELEVATOR DOORS DURING NORMAL BUSINESS HOURS.
9. SEE GENERAL NOTES REGARDING WORK THAT MUST BE COMPLETED ON NIGHTS AND WEEKENDS.

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G1, G2, G3 - PHASING

Scale **1/8" = 1'-0"**
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PH1.1

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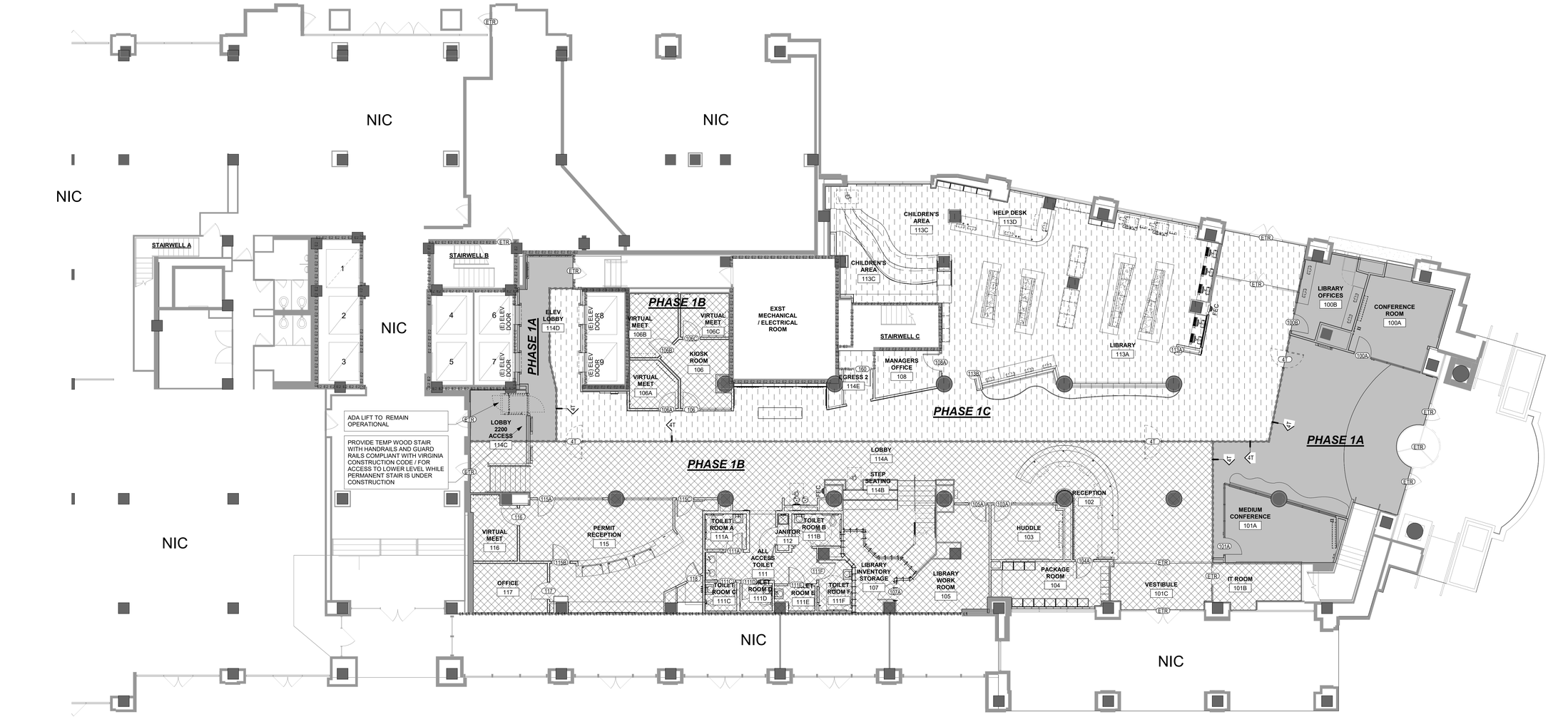

1 LEVEL 1
1/8" = 1'-0"

PHASING LEGEND:

- PHASE 1A
- PHASE 1B
- PHASE 1C

PHASING NOTES:

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LEVEL 1 - PHASING

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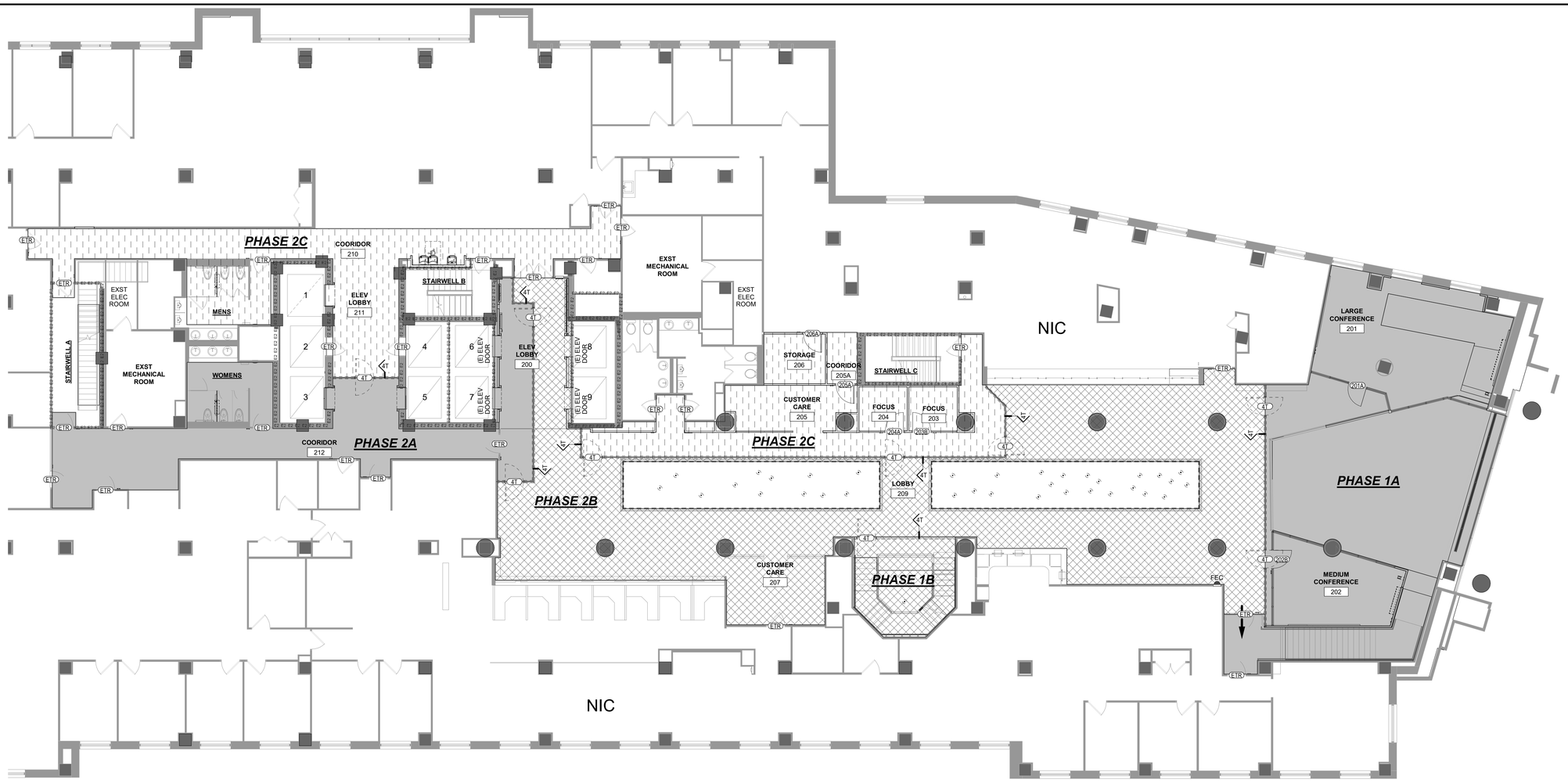

1 LEVEL 2
1/8" = 1'-0"

PHASING LEGEND:

- PHASE 1A
- PHASE 1B
- PHASE 2A
- PHASE 2B
- PHASE 2C

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LEVEL 2 - PHASING

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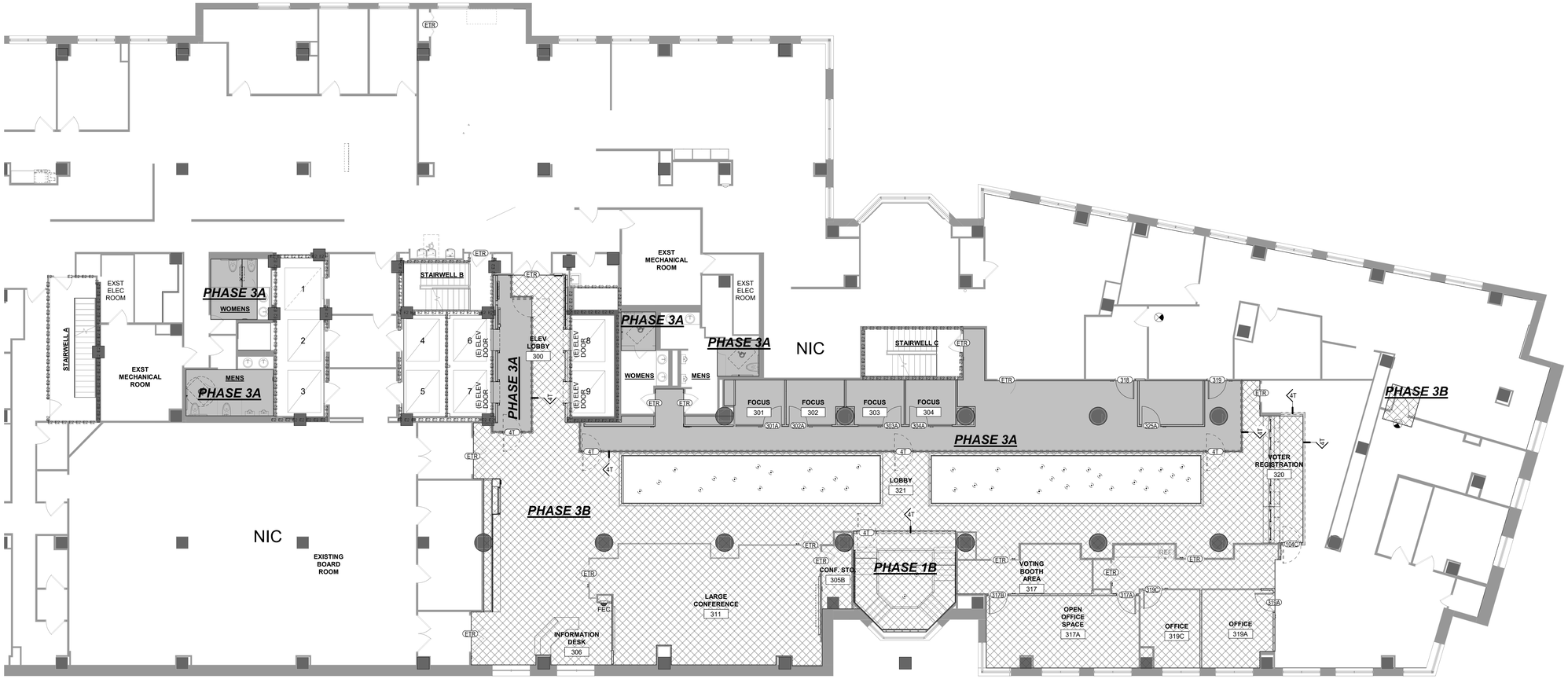

1 LEVEL 3
1/8" = 1'-0"

PHASING LEGEND:

- PHASE 1B
- PHASE 3A
- PHASE 3B

PHASING NOTES:

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LEVEL 3 - PHASING

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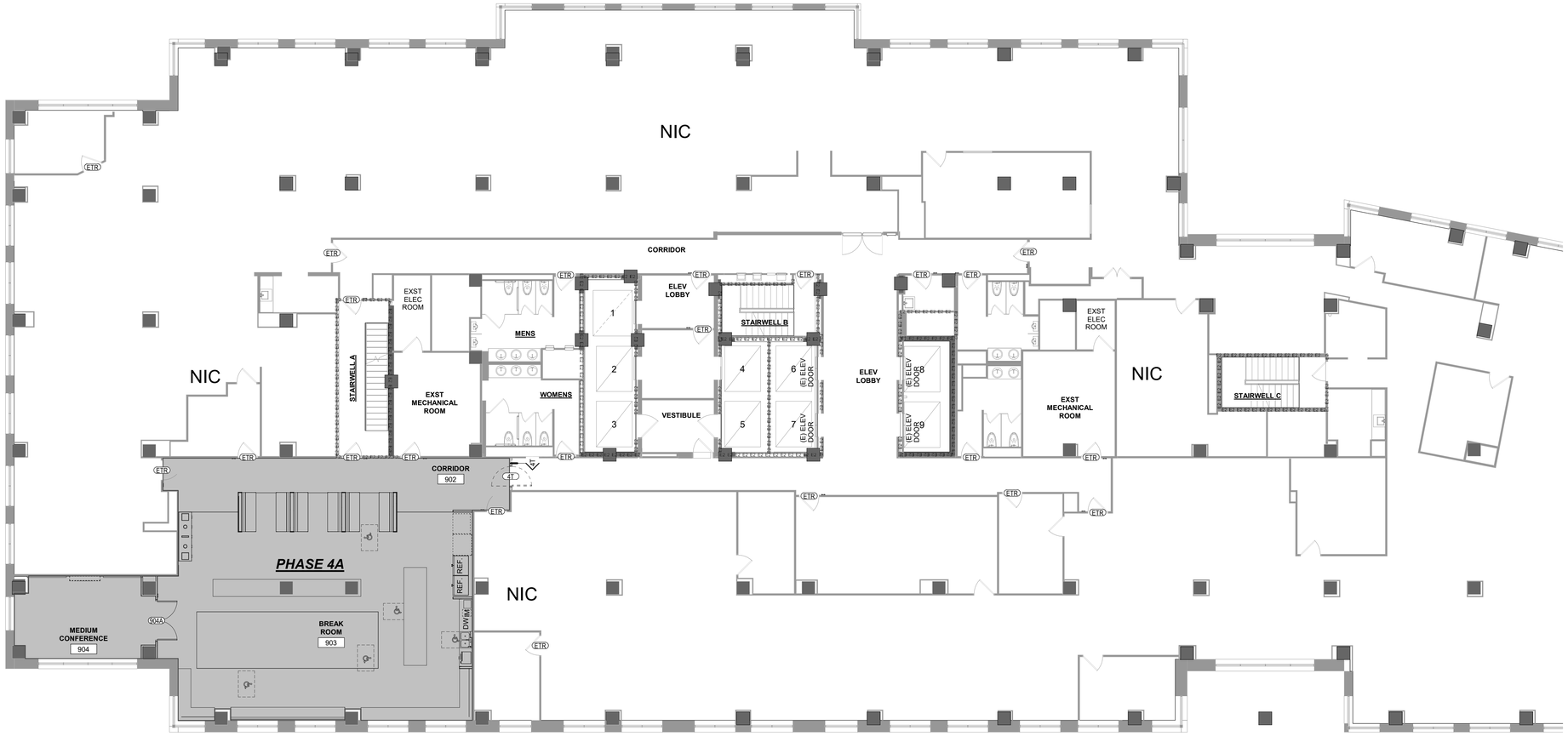

1 LEVEL 9
1/8" = 1'-0"

PHASING LEGEND:

PHASE 4A

PHASING NOTES:

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GENERAL NOTES:

1 THE DRAWINGS COMPRISING THIS SET OF CONSTRUCTION DOCUMENTS ARE CONSIDERED TO BE ONE WHOLE. INFORMATION INCLUDED ON ONE SHEET SHALL BE AS BINDING AS IF INCLUDED ON ALL, REGARDLESS OF TRADE ASSIGNMENTS. ANY DOUBT AS TO WHETHER ANY WORK IS WITHIN THE SCOPE OF THE CONTRACT SHALL BE RESOLVED IN FAVOR OF AN INTERPRETATION THAT THE WORK IS WITHIN THE SCOPE OF THE CONTRACT, UNLESS AGREED OTHERWISE BY ALL PARTIES. REVIEW ALL DOCUMENTS AND, IMMEDIATELY UPON DISCOVERY, NOTIFY THE ARCHITECT OF DOCUMENT CONFLICTS IN WRITING.

1A THE OWNER WILL SECURE AND PAY FOR THE BUILDING PERMIT. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL OTHER PERMITS, FEES, LICENSES, AND INSPECTIONS NECESSARY FOR A PROPER COMPLETION OF WORK ASSOCIATED WITH THIS PROJECT.

2 VISIT THE PROJECT TO BE FAMILIAR WITH SITE CONDITIONS PRIOR TO BIDDING OR CONSTRUCTION. BY SUBMITTING A BID, THE CONTRACTOR AND HIS SUBCONTRACTORS ARE CONFIRMING THAT THEY HAVE VISITED THE SITE AND HAVE INCLUDED IN THEIR BID ANY ADDITIONAL ITEMS OF CONSTRUCTION THAT MAY BE REQUIRED DUE TO EXISTING PROJECT AND SITE CONDITIONS.

3 CONTACT OWNER/ BUILDING MANAGER FOR RULES AND REGULATIONS THAT MAY IMPOSE RESTRICTIONS ON WORK TIMES, PARKING, NOISE, MATERIAL STORAGE, TRASH LOCATIONS, USE OF LOADING AREAS, AND USE OF UTILITIES

4 DO NOT PROCEED WITH ANY WORK THAT MAY RESULT IN ADDITIONAL COST OR ADDITIONAL TIME TO THE PROJECT UNTIL APPROVED OR INSTRUCTED BY OWNER AND ARCHITECT IN WRITING. DETERMINE THE ADDITIONAL COST OR TIME AND SUBMIT THE PROPOSED MODIFICATIONS TO THE OWNER FOR APPROVAL. PROCEEDING WITH WORK REQUIRING ADDITIONAL COST OR TIME PRIOR TO WRITTEN APPROVAL BY THE OWNER WILL NOT BE APPROVED.

5 ARRANGE TO MEET WITH OWNER'S REPRESENTATIVES PRIOR TO BEGINNING OF CONSTRUCTION TO DOCUMENT EXISTING CONDITIONS OF THE EXISTING FACILITY, PARKING, AND SITE. PROVIDE MACHINE READABLE COPY OF DATED VIDEO/PHOTO-DOCUMENTATION REQUIREMENTS WITHIN 14-DAYS OF NOTICE TO PROCEED.

6 PROVIDE COMPUTER READABLE COPY OF DATED VIDEO / PHOTO-DOCUMENTATION REQUIRED WITHIN 14-DAYS OF NOTICE TO PROCEED.

7 VERIFY EXISTING CONDITIONS AND REPORT DIFFERENCES BETWEEN THESE DRAWINGS AND ACTUAL FIELD CONDITIONS TO THE ARCHITECT IN WRITING PRIOR TO PROCEEDING WITH THE WORK.

8 ALL WORK IS NEW UNLESS OTHERWISE NOTED.

9 WORK SHALL INCLUDE ALL LABOR, MATERIALS, ASSEMBLIES, AND FINISHES INCLUDING ALL PARTS AND ACCESSORIES NECESSARY TO MAKE A COMPLETE, IN-PLACE, PROPERLY WORKING INSTALLATION.

10 WHERE A DIMENSION IS SPECIFICALLY NOTED WITH A "±" DESIGNATION, THE DIMENSION IS TO BE CONTROLLED BY FIELD VERIFIED CONDITIONS. NOTIFY THE ARCHITECT IMMEDIATELY UPON CONFIRMATION OF THE ACTUAL DIMENSION. NO REFERENCE OR DESIGNATION WITHIN THESE DOCUMENTS SHALL BE CONSIDERED TO ESTABLISH A CONSTRUCTION TOLERANCE. THE DIMENSIONS ARE PRECISE AS INDICATED.

11 INSTALL ALL MATERIAL/ PRODUCTS/ EQUIPMENT FOR THIS PROJECT IN STRICT ACCORDANCE WITH THE MANUFACTURERS' LATEST PUBLISHED SPECIFICATIONS/ RECOMMENDATIONS/ INSTRUCTIONS, UNLESS OTHERWISE NOTED. PROVIDE ANY AND ALL RECOMMENDED ACCESSORIES, PRIMERS, AND SURFACE PREPARATION AS PART OF BASE BID WHETHER OR NOT SPECIFICALLY CALLED OUT ON DWGS OR SPECS.

12 PERFORM WORK IN STRICT ACCORDANCE WITH FEDERAL, STATE AND LOCAL CODES/ORDINANCES, AND OSHA REQUIREMENTS.

13 USE THE EXISTING BUILDING IN A MANNER WHICH WILL NOT DEFACE OR DAMAGE THE EXISTING FACILITIES IN ANY FASHION. DAMAGE BY CONTRACTOR SHALL BE REPAIRED / REPLACED BY THE CONTRACTOR AS A COMPONENT OF THE BASE CONTRACT. PROVIDE PROTECTIVE MATERIAL AS WARRANTED.

14 PROVIDE CONSTRUCTION BARRIERS AND NEGATIVE AIR-PRESSURE AS REQUIRED TO CONTAIN DUST WITHIN EACH WORK AREA. PROVIDE TEMPORARY FILTER MEDIA AT ALL RETURN AIR REGISTERS AND OPEN RETURN DUCTS SERVING THE WORK AREA.

15 PBROVIDE TEMPORARY STUD AND GWB PARTITIONS TO PREVENT OCCUPANTS FROM ENTERING WORK AREAS WHEN THE BUILDING IS OCCUPIED.

16 ACCESS TO ADJACENT SPACES NOT CONTAINED IN THE CURRENT AREA OF THE WORK SHALL BE BEFORE / AFTER NORMAL HOURS OF BUILDING OPERATION / OCCUPANCY UNLESS APPROVED IN WRITING BY OWNER. AFTER WORK HAS BEEN COMPLETED WITHIN OCCUPIED SPACE(S), LEAVE THE PREMISES IN THE CONDITION IN WHICH IT WAS FOUND, OR BETTER. OBTAIN WRITTEN PERMISSION FOR ACCESS MIN. OF 24-HOURS IN ADVANCE AND COORDINATE THE WORK WITH THE OWNER/ BUILDING MANAGER/ TENANT FOR SUCH ACCESS.

17 USE ONLY THOSE ENTRANCES AND PARKING FACILITIES APPROVED BY OWNER FOR SITE ACCESS. MATERIAL DELIVERIES AND DEMOLITION / TRASH SHALL BE TRANSPORTED DURING THOSE HOURS AND ON ROUTE PRESENTED TO AND REVIEWED AND APPROVED BY OWNER/ LANDLORD/ TENANT. PROVIDE COMPREHENSIVE TRAFFIC MANAGEMENT PLAN FOR REVIEW AND COMMENT BY THE COUNTY/ LANDLORD PRIOR TO MOBILIZATION.

18 IF APPLICABLE PROVIDE COMPREHENSIVE TRAFFIC MANAGEMENT PLAN FOR REVIEW AND COMMENT BY THE COUNTY/ OWNER/ BUILDING MANAGER PRIOR TO MOBILIZATION.

19 DO NOT ALTER, LOAD OR PENETRATE THE EXISTING STRUCTURE IN ANY MANNER WHICH MAY COMPROMISE ITS INTEGRITY. PROVIDE STRUCTURAL ANALYSIS OF ALL CONSTRUCTION LOADS AND PROPOSED PENETRATIONS REQUIRED FOR THE WORK

20 PROVIDE AND USE TEMPORARY TOILET FACILITIES. DO NOT UTILIZE EXISTING OR PROPOSED FACILITIES WITHIN OR ADJACENT TO THE PROJECT.

21 WHERE REFERENCE IS MADE TO "BUILDING SYSTEMS", THIS SHALL INCLUDE STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, HVAC, FIRE PROTECTION, TELEPHONE, AUDIO/ VISUAL, IT, SECURITY, INTERCOM, AND FIRE ALARM / LIFE SAFETY COMPONENTS.

22 COORDINATE MOUNTING / INSTALLATION OF LIGHTING FIXTURES, MECH. DIFFUSERS, SPRINKLER HEADS AND OTHER DEVICES WITH TYPE OF CEILINGS AND WALLS TO BE PROVIDED. PROVIDE HANGERS, SUPPORTS, SEISMIC STRUTS AND CLIPS, CUT-OUTS, TRIM RINGS, AND EDGE TRIM REQUIRED FOR A COMPLETE INSTALLATION.

23 PROVIDE ALL MATERIAL AND LABOR REQUIRED TO PRODUCE A COMPLETED, FINISHED PROJECT. FAILURE TO INCLUDE ITEMS INDICATED TO BE PROVIDED, THOUGH NOT DETAILED, SHALL NOT CONSTITUTE THE BASIS FOR A CHANGE ORDER.

24 FIRESTOP ALL PENETRATIONS THROUGH THE FLOOR / ROOF SLABS AND THROUGH FIRE RATED PARTITIONS PER UL LISTED DETAILS AND COMPLYING WITH APPLICABLE CODES AND LOCAL FIRE MARSHAL REQUIREMENTS. SELECT, PROVIDE AND INSTALL SUCH FIRESTOPPING SYSTEMS AND SOLICIT/ OBTAIN THE NECESSARY APPROVAL(S) FROM THE AUTHORITIES HAVING JURISDICTION

25 REQUEST ALL REPORTS OWNER MAY HAVE IDENTIFYING ASBESTOS IN THE BUILDING. THE PRESENCE OR ABSENCE OF ASBESTOS CONTAINING MATERIALS WITHIN THE EXISTING CONSTRUCTION IS NOT KNOWN TO THE OWNER. REPORT WRITTEN FINDINGS OF ANY SUSPECTED ASBESTOS CONTAINING MATERIALS (ACM) TO OWNER IMMEDIATELY. OWNER WILL TEST AND PURSUE ABATEMENT WHERE DETERMINED TO BE REQUIRED BY THE PROJECT.

26 WHERE DEMOLITION OR NEW WORK INTERRUPTS OR REMOVES EXISTING FINISHES, SIGNAGE, OR WALL PROTECTION DEVICES, REPAIR/REPLACE IN KIND UPON COMPLETION OF, AND AS A COMPONENT OF, NEW WORK.

27 PROVIDE NEOPRENE GASKETS AND / OR WASHERS AS APPROPRIATE WHERE DISSIMILAR METALS WOULD COME IN CONTACT WITH ONE ANOTHER TO ENSURE GALVANIC CORROSION OF THE METALS OR FASTENERS IS AVOIDED. SUCH DISSIMILAR METALS INCLUDE BUT ARE NOT LIMITED TO COATED COPPER, STEEL, GALVANIZED STEEL, AND ALUMINUM. AT SUCH CONNECTIONS REQUIRING FASTENERS, STAINLESS STEEL FASTENERS WITH NEOPRENE WASHERS TO ISOLATE THE METALS SHALL BE UTILIZED.

28 DIMENSIONS INDICATED ARE TO FINISHED WALL SURFACES, OR COLUMN CENTER LINES, UNLESS NOTED OTHERWISE

29 INSPECT, TEST, AND CLEAN ALL EXISTING LIGHT FIXTURES, DIFFUSERS, EQUIPMENT, ETC. TO REMAIN. ASSURE PROPER OPERATION AND FUNCTION.

30 PROTECT ALL EXISTING TO REMAIN WINDOWS & BLINDS IN THE WORK AREAS DURING CONSTRUCTION, AND CLEAN AS PART OF FINAL CLEANING.

31 FILL ALL HOLES IN EXISTING SLAB CREATED IN DEMOLITION WORK W/ CONCRETE TO PROVIDE A SMOOTH, FLAT MONOLITHIC SURFACE AND MAKE READY TO RECEIVE NEW FINISHES.

32 MODIFY EXISTING BUILDING SPRINKLER SYSTEMS TO ACCOMMODATE THE WORK AND COMPLY WITH ALL APPLICABLE CODES, NFPA 13, AND THE FIRE PROTECTION ENGINEER. EXACT LAYOUT OF SPRINKLER HEADS IN AREAS WITH GYPSUM BOARD CEILINGS AND SOFFITS, ETC. SHALL BE APPROVED BY THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.

33 REMOVE ALL CONSTRUCTION DEBRIS DAILY AND AS REQUIRED TO MAINTAIN A CLEAN ENVIRONMENT AND TO PREVENT THE POSSIBILITY OF ACCIDENT OR FIRE. COORDINATE REMOVAL WORK WITH OWNER IN OCCUPIED SPACES. MAINTAIN WORKING FIRE EXTINGUISHERS IN THE PROJECT AREA DURING CONSTRUCTION WHEN SPRINKLER SYSTEM IS UNDERGOING MODIFICATIONS.

34 ANY AND ALL MATERIALS AND INSTALLATION METHODS USED IN THE MODIFICATION OF THE EXISTING ROOF SYSTEM SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE EXISTING ROOF WARRANTY.

35 CONFIRM HEIGHTS AND LOCATIONS OF ELECTRICAL, DATA, AND COMMUNICATION OUTLETS WHEN SURROUNDED BY OR ABUTTING MILLWORK OR FURNITURE WITH THE ARCHITECT AND OWNER PRIOR TO ROUGH-IN AND FABRICATION.

36 CONFIRM PLUMBING PENETRATIONS THROUGH THE FLOOR AND FLOOR MOUNTED OUTLET LOCATIONS WITH THE OWNER AND ARCHITECT BEFORE CORE DRILLING OR CUTTING OF FLOOR SYSTEM.

37 CONTACT ARCHITECT FOR CLARIFICATION IF EXISTING OUTLET HEIGHTS OR LOCATIONS DO NOT MATCH THAT INDICATED IN THE DRAWINGS.

38 REPLACE ALL EXISTING DEVICES AND COVER PLATES TO MATCH THOSE SPECIFIED.

39 LOCATE DOWN LIGHTS, SPRINKLER HEADS, SMOKE DETECTORS AND EXIT SIGNS IN THE CENTER OF SUSPENDED CEILING TILES, UNLESS OTHERWISE NOTED.

40 REVIEW PLACEMENT OF WALL OR CEILING ACCESS PANELS WITH THE ARCHITECT.

41 PROVIDE A FINAL PROFESSIONAL CLEANING OF THE ENTIRE SPACE AFTER CONSTRUCTION AND PUNCH LIST ITEMS ARE COMPLETE AND PRIOR TO TENANT OCCUPANCY.

42 SALVAGE, PROTECT, AND STORE UNUSED MATERIALS ORDERED FOR PROJECT. PROVIDE UNUSED MATERIALS AS ATTIC STOCK, AND DELIVER TO OWNERS DESIGNATED LOCATION.

43 ALL EXISTING BUILDING SYSTEMS (EXAMPLE: WATER, SANITARY, FIRE ALARM, ELECTRICAL, ETC.) SHALL REMAIN IN OPERATION THROUGHOUT CONSTRUCTION. ALL NECESSARY INTERRUPTIONS FOR CONNECTION OF NEW WORK SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER IN WRITING, IN ADVANCE. PROVIDE ADEQUATE NOTICE AS AGREED UPON PRIOR TO START OF WORK.

44 ALL INTERIOR CODE REQUIRED SIGNAGE AND WAYFINDING SIGNAGE TO BE PROVIDED BY OWNER AND IS NOT IN CONTRACT. DIMENSIONAL LETTER SIGNAGE IS IN CONTRACT AND SHALL BE PROVIDED AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.

45 DOORS OPENINGS NOT DIMENSIONED ARE LOCATED 6" FROM THE ADJACENT WALL UNLESS OTHERWISE NOTED.

GENERAL DEMOLITION NOTES:

1 DEMOLITION PLANS ARE PROVIDED AS A GENERAL GUIDE TO THE DEMOLITION WORK. DEMO PLANS ARE NOT MEANT TO CONTAIN A COMPLETE DESCRIPTION OF ALL MATERIALS TO BE REMOVED. PRIOR TO BIDDING, COORDINATE WITH OWNER AND PERFORM AN INDEPENDENT SITE VISIT IN ORDER TO FIELD SURVEY AND BE THOROUGHLY FAMILIAR WITH THE PROJECT AND DEMOLITION EFFORTS REQUIRED BY THE SCOPE AND EXTENT OF THE WORK INDICATED. CHANGE ORDERS FOR DEMOLITION WORK (WHETHER SHOWN OR NOT) SHALL NOT BE APPROVED WHERE DEMOLITION IS REQUIRED BY THE NEW WORK.

2 SURVEY THE WORK PRIOR TO DEMOLITION ACTIVITY AND PERFORM PROTECTIVE / CORRECTIVE MEASURES AS NECESSARY TO ENSURE INTEGRITY OF EXISTING FIRE PROTECTION SYSTEMS.

3 REFERENCE STRUCTURAL AND MECHANICAL, PLUMBING AND ELECTRICAL (MPE) PLANS FOR ADDITIONAL INFORMATION.

4 COORDINATE EXTENT OF SELECTIVE DEMOLITION WITH ALL WORK.

5 PROVIDE TEMPORARY ENCLOSURE WITH NEGATIVE AIR PRESSURE AND TOOLS EQUIPPED WITH AN INTEGRATED WATER DELIVERY SYSTEM WHEN PERFORMING ANY CONSTRUCTION ACTIVITIES THAT BEAR THE POTENTIAL TO GENERATE DUST AND/OR AIRBORNE PARTICULATE MATTER RELATED TO THE DEMOLITION OF BRICK, MORTAR, GROUT, CONCRETE MASONRY, AND CONCRETE MATERIALS INDOORS OR IN AN ENCLOSED AREA. PROVIDE WORKERS WITH RESPIRATORY PROTECTION AND ASSIGNED PROTECTION FACTOR (APF) LEVEL 10 PER OSHA STANDARD 29 CFR 1926.1153 - RESPIRABLE CRYSTALLINE SILICA. REFER TO TABLE 1—SPECIFIED EXPOSURE CONTROL METHODS WHEN WORKING WITH MATERIALS CONTAINING CRYSTALLINE SILICA.

6 PROVIDE SHORING, BRACING, AND SUPPORTS AS REQUIRED TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE PROJECT BEFORE CUTTING OR ALTERING ANY OPENING IN AN EXISTING LOAD BEARING OR NON-LOAD BEARING WALL, FOOTING, OR ROOF DECK. LEAVE BRACING IN PLACE UNTIL SAFE TO REMOVE SUCH BRACING AND SUPPORTS.

7 PROVIDE TEMPORARY MASONRY SUPPORT AT NEW OPENINGS CUT IN EXISTING MASONRY WALLS, WHETHER LOAD BEARING OR NON-LOAD BEARING, WITH MINIMUM 8" BEARING, UNLESS OTHERWISE INDICATED ON THE STRUCTURAL OR ARCHITECTURAL DRAWINGS.

8 IF APPLICABLE TOOTH-IN MASONRY WHERE EXISTING MASONRY ABUTS NEW MASONRY IN THE SAME WALL PLANE. NEW MASONRY SHALL MATCH EXISTING COURSING, TEXTURE, COLOR, AND BOND PATTERN. PROVIDE A FINISHED EDGE BY TOOTHING-IN NEW MASONRY TO MATCH EXISTING WHERE A PORTION OF AN EXPOSED EXISTING MASONRY WALL IS TO BE REMOVED UNO.

9 WHERE RECESSED EQUIPMENT, DATA AND ELECTRICAL OUTLETS ARE CALLED TO BE REMOVED FROM A CMU WALL - DEMOLISH THE ENTIRE CMU FACE AND REPLACE WITH NEW. COORDINATE WITH ELECTRICAL DOCUMENTS.

10 OWNER WILL REMOVE ALL LOOSE AND MOVABLE FURNITURE PRIOR TO THE START OF WORK.

11 THE OWNER HAS THE RIGHT OF FIRST REFUSAL ON ALL SALVAGED ITEMS. STORE SALVAGED ITEMS FOR OWNER WHERE DIRECTED BY THE OWNER.

12 DO NOT PERFORM DEMOLITION BEYOND THE SCOPE REQUIRED BY THE WORK. COORDINATE SUCH EFFORTS PRIOR TO START OF CONSTRUCTION AND MAINTAIN ACTIVE COORDINATION OF DEMOLITION AND THE WORK DURING CONSTRUCTION.

13 PROTECT EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE FOR DURATION OF CONSTRUCTION. REPAIR/ REPLACE EXISTING CONSTRUCTION WHICH IS DAMAGED DURING COURSE OF CONSTRUCTION AS COMPONENT OF BASE CONTRACT.

14 "READY TO RECEIVE NEW FINISHES" REFERS TO SURFACES WHICH ARE FREE OF DEFECTS, SMOOTH, AND FLAT. PREPARE FLOORS, WALLS, AND CEILINGS AS REQUIRED TO PRODUCE THIS RESULT. AS A COMPONENT OF THE BASE BID, SCRAPE AND LEVEL/FILL SLABS AND SURFACES WITH SELF-LEVELING UNDERLAYMENT; SAND SKIM-COAT GWB WALLS AS NEEDED.

15 REMOVE ALL ABANDONED EXISTING CEILING MOUNTED EQUIPMENT.

16 REMOVE ALL ABANDONED EXISTING SECURITY CAMERAS AND CCTV DEVICES. PATCH AND REPAIR SURFACES AND MAKE READY TO RECEIVE NEW FINISHES.

17 SALVAGE ALL EXISTING INTERIOR SIGNAGE. COORDINATE WITH DEMO AND NEW WORK PLANS AND BUILDING OWNER WHICH SIGNS REMAIN AND WHICH ARE TO BE RELOCATED. TAG THE BACK OF ALL REMOVED SIGNAGE W/ PRIOR LOCATION TO ASSIST W/ REINSTALLATION. REVIEW NEW LOCATIONS WITH THE ARCHITECT

18 DEMOLISH ALL EQUIPMENT, CASEWORK, ETC. ATTACHED TO PARTITIONS INDICATED TO BE DEMOLISHED.

19 PATCH AND REPAIR EXISTING PARTITIONS, FLOORS OR CEILINGS WHERE FINISHES HAVE BEEN DISTURBED OR INTERRUPTED DUE TO REMOVAL OF CONTIGUOUS PARTITIONS, DOORS, WINDOWS, CASEWORK OR MECHANICAL, ELECTRICAL OR PLUMBING FIXTURES OR DEVICES. PROVIDE A SMOOTH MONOLITHIC FINISH TO MATCH AND ALIGN WITH ADJACENT SURFACE.

20 REMOVE ALL MISCELLANEOUS MATERIALS, ADHESIVE RESIDUE, OVER-PAINTING, ETC. FROM EXISTING UNPAINTED WINDOW SILLS AND FRAMES. ALL SURFACES TO BE CLEAN, FREE AND CLEAR OF ANY DEBRIS AND FOREIGN MATERIAL.

21 REMOVE ALL MASTICS, ADHESIVES AND GROUTS FROM SURFACES TO REMAIN AND PROVIDE SMOOTH, FLAT SURFACE READY TO RECEIVE NEW FINISHES AS SCHEDULED.

22 SHOT-BLAST EXISTING CONCRETE FLOOR SLABS WHERE RESILIENT FLOOR FINISHES ARE TO BE INSTALLED. PROVIDE A SMOOTH, FLAT SURFACE, FREE OF DEBRIS AND READY TO RECEIVE NEW FINISHES. COORDINATE LOCATIONS WITH FINISH PLAN. ASSUME FLOOR LEVELING IS REQUIRED WITHIN 36" OF GLASS PARTITIONS.

23 PROVIDE THE QUANITY, SIZE AND LOCATION OF CORE DRILL HOLES TO THE OWNER/BUILDING MANAGER/ARCHITECT FOR REVIEW AND COMMENT. INCLUDE ALL CORES REQUIRED TO COMPLETE THE FULL SCOPE OF THIS PROJECT.

24 CORE DRILL AND REMOVE DEBRIS TO FACILITATE INSTALLATION OF NEW WORK. CORE DRILL EXISTING CONCRETE SLAB ONLY AFTER FIRST USING GPR SCANNING TO DETERMINE LOCATIONS OF SLAB REINFORCEMENTS AND CONDUITS. ADJUST LOCATIONS AS REQUIRED TO AVOID HITTING AND/OR CUTTING SLAB REINFORCEMENTS AND CONDUITS. COORDINATE EXTENTS WITH ARCH., MECH., ELEC., AND PLUMB. DRAWINGS.

25 REMOVE ALL EXISTING WALL COVERING, BASE MATERIALS, ETC. FROM EXISTING WALLS AND COLUMNS TO REMAIN.

26 AT ALL EXISTING WALLS TO RECEIVE NEW ELECTRICAL RECEPTACLE, DEVICES, OUTLETS, CARD READERS, ETC. - GWB SHALL BE CUT TO ACCOMMODATE NEW ITEM. PATCH & REPAIR WALL AS REQUIRED TO RECEIVE NEW FINISHES

27 ALL EXISTING DEVICES, FIXTURES, RECEPTACLES, SWITCHES, AND CONTROLS TO REMAIN SHALL BE RESET FLUSH WITH NEW FINISHES.

28 LARGE MURAL REMOVAL REQUIRES CONTRACTOR TO USE HBM ART TRANSFER, INC. CONTACT BILL HILL @ 202.439.8172 OR HMBARTTRANSFER@GMAIL.COM

GENERAL PARTITION NOTES:

1 CONSTRUCT FIRE RATED AND STC / ACOUSTIC RATED ASSEMBLIES CONTINUOUS AROUND ROOMS WHERE INDICATED. RATED ASSEMBLIES SHALL TAKE PRECEDENCE OVER ADJACENT AND/OR PERPENDICULAR PARTITIONS. RATED ASSEMBLIES SHALL BE CONSTRUCTED PER THE DETAILS AND REQUIREMENTS OF THE ASSEMBLY INDICATED. SEAL ALL GAPS, SEAMS, AND PENETRATIONS IN STC / ACOUSTIC RATED ASSEMBLIES AIRTIGHT.

2 CONSTRUCT FIRE AND SMOKE BARRIER WALLS CONTINUOUS THROUGH SOFFITS, OVERHANGS, ANY INTERSTITIAL SPACES, AND NON-RATED PARTITIONS. SEALPENETRATIONS AT FIRE AND SMOKE BARRIER WALLS. WHERE MULTIPLE LAYERS OF GWB USED, STAGGER JOINTS.

3 SEAL ALL FIRE AND SMOKE BARRIER ASSEMBLIES SMOKE-TIGHT (VIA PLASTER/ FIRE-STOP SEALANT OVER CONTINUOUS BACKING ROD) AT THE ENTIRE PERIMETER (FLOOR, ROOF & WALLS). PROVIDE MINERAL WOOL INSULATION IN INTERSTITIAL SPACE BEHIND SEALANT AND BACKING ROD, INCLUDING FLOOR AND ROOF DECK FLUTES ABOVE METAL WALL CHANNELS AT TOP OF WALL.

4 FIT GWB TIGHT TO ALL JUNCTION BOXES AND PENETRATIONS, AND SEAL

5 PARTITION TAG WITH NUMERICAL SUFFIX INDICATES FIRE RATING REQUIRED.

6 MAINTAINING CONTINUITY OF RATED WALLS MAY REQUIRE INSTALLATION OF GWB IN SOME LOCATIONS OUT-OF-SEQUENCE PRIOR TO COMPLETING THE BALANCE OF PARTITION INSTALLATION.

7 CONSTRUCT REFERENCED RATED ASSEMBLIES IN THEIR ENTIRETY WITHOUT MODIFICATION. UL ASSEMBLIES ARE REPRINTED FROM THE UL PRODUCTS DIRECTORY WITH PERMISSION FROM UNDERWRITERS LABORATORIES INC. ® COPYRIGHT © 2016 UNDERWRITERS LABORATORIES INC.

8 PROVIDE HIGH-IMPACT GWB WHERE INDICATED THUS: ♦.

9 ALIGN THE ADJACENT EXPOSED FACE OF GYPSUM WALLBOARD (GWB) AND / OR GYPSUM SHEATHING WHERE THE PARTITION THICKNESS VARIES DUE TO DIFFERENT PARTITION TYPES AND EXISTING CONDITIONS. TRANSITIONS ON THE OPPOSITE SIDE OF THESE WALLS SHALL BE HIDDEN AT INTERSECTIONS WITH OTHER PARTITIONS AND CORNERS.

10 PROVIDE 5/8" GLASS MESH MORTAR UNIT (GMMU) BOARD IN LIEU OF GWB ON WALL SURFACES TO RECEIVE CERAMIC TILE.

11 THE GWB GAP AT THE FLOOR SHALL NOT EXCEED 1/4" AND GWB SHALL NOT BE IN CONTACT WITH THE SLAB.

12 TYPICAL PARTITIONS INDICATE DEFLECTION TRACK AT STEEL FRAMED BUILDINGS. OMIT DEFLECTION TRACK AT CONCRETE FRAMED BUILDINGS UNO.

13 PARTITION DESIGNATION TAG SHALL TAKE PRECEDENCE OVER GRAPHIC REPRESENTATION.

14 UNLESS NOTED OTHERWISE, PARTITION DESIGNATION TAGS REPRESENT THE ENTIRE LENGTH AND HEIGHT OF THE PARTITION AT WHICH IT IS LOCATED.

15 OFFSET INSTALLATION OF RECESSED JUNCTION BOXES AND EQUIPMENT ONE STUD CAVITY – DO NOT INSTALL BACK-TO-BACK IN SAME STUD CAVITY.

16 THE AGGREGATE SURFACE AREA OF OUTLET BOXES SHALL NOT EXCEED 100 SQ IN WITHIN ANY 100 SF.

17 INFILL EXISTING WALLS AND PENETRATIONS WITH MATERIALS AND RATED CONSTRUCTION TO MATCH EXISTING AND ALIGN EXPOSED SURFACES.

18 ALL PARTITIONS SHALL BE TYPE 1B UNLESS NOTED OTHERWISE OR REQUIRED FOR RATED CONSTRUCTION.

20 PROVIDE CONTINUOUS STRIP OF 15-LB FELT OR NEOPRENE SILL GASKET WHERE METAL RUNNER OR WD PLATE IS INSTALLED ON CONCRETE.

21 METAL STUDS INDICATED USE NON-LOAD BEARING, L/240 DEFLECTION, AND 5 PSF AIR-PRESSURE DESIGN CRITERIA UNLESS OTHERWISE NOTED. METAL STUD CONTRACTOR SHALL EVALUATE STUDS IF HIGHER DESIGN CRITERIA AND/OR LOAD BEARING PARTITIONS ARE USED.

22 METAL STUD CONTRACTOR SHALL BE, OR SHALL CONSULT WITH, A PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN THE PROJECT LOCATION. METAL STUD CONTRACTOR SHALL ENGINEER THE STUD GAUGES AND ATTACHMENT METHODS NECESSARY TO PROVIDE THE FRAMING IN THE CONFIGURATIONS INDICATED. ALL STUD GAUGES SHALL BE DETERMINED BY THE METAL STUD CONTRACTOR AND SHALL BE APPROPRIATE FOR THE APPLICATION. SUBMIT FRAMING SHOP DRAWINGS FOR THE VARIOUS CONDITIONS INDICATING THE STUD SIZE, GAUGE AND CALCULATIONS TO SUPPORT THE DESIGN SIGNED AND SEALED BY AN ENGINEER.

23 SEE TYPICAL DETAILS FOR FRAMING AROUND OBSTRUCTIONS.

24 DO NOT ATTACH GWB TO RESILIENT CHANNEL (RC) AT STUD LOCATIONS. RC MUST REMAIN FREE TO MOVE.

GENERAL FINISH NOTES:

1 PROVIDE 24" X 24" WALL SAMPLE OF ALL PAINT COLORS FOR OWNER REVIEW AND APPROVAL PRIOR TO PURCHASE/ INSTALLATION.

2 PROVIDE 24" SAMPLE OF ALL WOOD CEILING, WALL, FLOOR, AND BASE PROFILES FOR OWNER APPROVAL PRIOR TO PURCHASE/ INSTALLATION.

3 PROVIDE ALL FINISH ACCESSORY PIECES REQUIRED FOR FULL AND COMPLETE INSTALLATION OF FINISH MATERIALS.

4 ALL PAINTED GWB CEILINGS TO HAVE A FLAT FINISH, UNO.

5 ALL PAINTED WALLS TO HAVE AN EGGSHELL FINISH, UNO.

6 ALL PAINTED HM FRAMES AND WOOD TRIM / BASE TO HAVE A SEMI-GLOSS FINISH, UNO.

7 ALL PAINTED DOORS TO HAVE A SEMI-GLOSS FINISH, UNO.

8 INTERIOR FINISHES SHALL BE AT LEAST EQUAL TO (OR BETTER THAN) CLASS B WHERE INSTALLED IN CORRIDORS AND EXIT PASSAGEWAYS, AND CLASS C WHERE INSTALLED IN ROOMS / ENCLOSED SPACES.

9 PROVIDE 3 PERCENT OVERAGE ON FINISH MATERIAL QUANTITIES AS ATTIC STOCK. COORDINATE STORAGE WITH OWNER PRIOR TO PROJECT COMPLETION.

10 REFER TO SPECIFICATIONS AND FINISH SCHEDULE FOR ADDITIONAL FINISH INFORMATION.

11 PROVIDE TRANSITION STRIPS AND THRESHOLDS AS REQUIRED. ARCHITECT TO APPROVE.

12 COPE SADDLES AND THRESHOLDS TO FIT DOOR FRAME PROFILE.

13 UNDERCUT EXISTING DOORS TO PROVIDE 1/4" CLEARANCE OVER THRESHOLDS AND TRANSITIONS.

14 REVIEW ALL FINISH LOCATIONS AND START/STOP POINTS WITH ARCHITECT PRIOR TO INSTALLATION.

15 USE LOW VOC ADHESIVE, FOLLOWING MANUFACTURERS RECOMMENDED PRODUCTS, FOR ALL CARPET, RESILIENT, AND LAMINATE FLOORING.

16 USE LOW VOC PAINTS THROUGHOUT, UNO.

17 PROVIDE ANODIZED ALUMINUM SCHLUTER "SCHIENE" STRIP AT ALL TRANSITIONS FROM CARPETING TO TILE FLOOR FINISH UNO, OR UNLESS A HEIGHT TRANSITION IS NEEDED.

18 PAINT VISIBLE DUCTWORK, PLENUM ELEMENTS, STUDS, AND OTHER ELEMENTS FLAT BLACK WHERE THEY CAN BE SEEN THROUGH GRILLES, REGISTERS, LOUVERS, AND DIFFUSERS.

GENERAL ACCESSIBILITY NOTES:

1 IN ALL CASES THE GENERAL CONTRACTOR SHALL BEAR RESPONSIBILITY FOR COMPLIANCE WITH THE CLEARANCES AND DIMENSIONS INDICATED ON THE ACCESSIBILITY STANDARDS DRAWING AND WITHIN THE BALANCE OF THE CONTRACT DOCUMENTS

2 THE SPECIFIC DIMENSIONS AND/ OR RANGES INDICATED IN THE ACCESSIBILITY STANDARDS DRAWING ARE A REGULATORY REQUIREMENT; NO ADDITIONAL TOLERANCES EITHER PLUS OR MINUS WILL BE ACCESPTED.

3 THE FULL TEXT OF THE ADA STANDARDS FOR GOVERNMENT ACCESSIBILITY DESIGN MAY BE FOUND AT THE WEBSITE: http://www.ada.gov

4 THE FULL TEXT OF THE ICC/ANSI A117.1 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES IS AVAILABLE THROUGH THE WEBSITE WWW.ICCSAFE.ORG

5 OWNER IS PROVIDING AND INSTALLING ALL INTERIOR WAYFINDING SIGNAGE INCLUDING SIGNAGE REQUIRED BY THE BUILDING CODE AT RESTROOMS , BUILDING EXITS, AND ASSEMBLY OCCUPANCIES.

GENERAL CEILING NOTES:

1 REFER TO RCP AND FINISH PLANS FOR CEILING FINISH DESIGNATIONS.

2 WHERE EXPOSED STRUCTURE CEILINGS ARE INDICATED, NEATLY BUNDLE EXISTING WIRES, CONDUIT, AND PIPING TIGHT TO DECK OR JOISTS. AVOID LOCATING WIRES, CONDUIT, AND PIPING IN EXPOSED STRUCTURE AREAS.

3 SUBMIT CONTRACTOR PREPARED SHOP DRAWINGS TO AUTHORITY HAVING JURISDICTION FOR SPRINKLER APPROVAL PRIOR TO PERFORMING WORK. PROVIDE CEILING HEIGHTS INDICATED. LOCATE SPRINKLER HEADS IN THE CENTER OF SUSPENDED ACOUSTICAL TILES. ADJUST SPRINKLER HEAD HEIGHTS AND LOCATIONS TO ACCOMMODATE PROPOSED CEILING HEIGHTS, LAYOUT, AND PATTERNS. CEILINGS MAY DIFFER FROM EXISTING CONDITIONS.

4 COORDINATE ALL MPE AND SPRINKLER WORK WITH HEIGHT AND TYPE OF CEILING FINISHES.

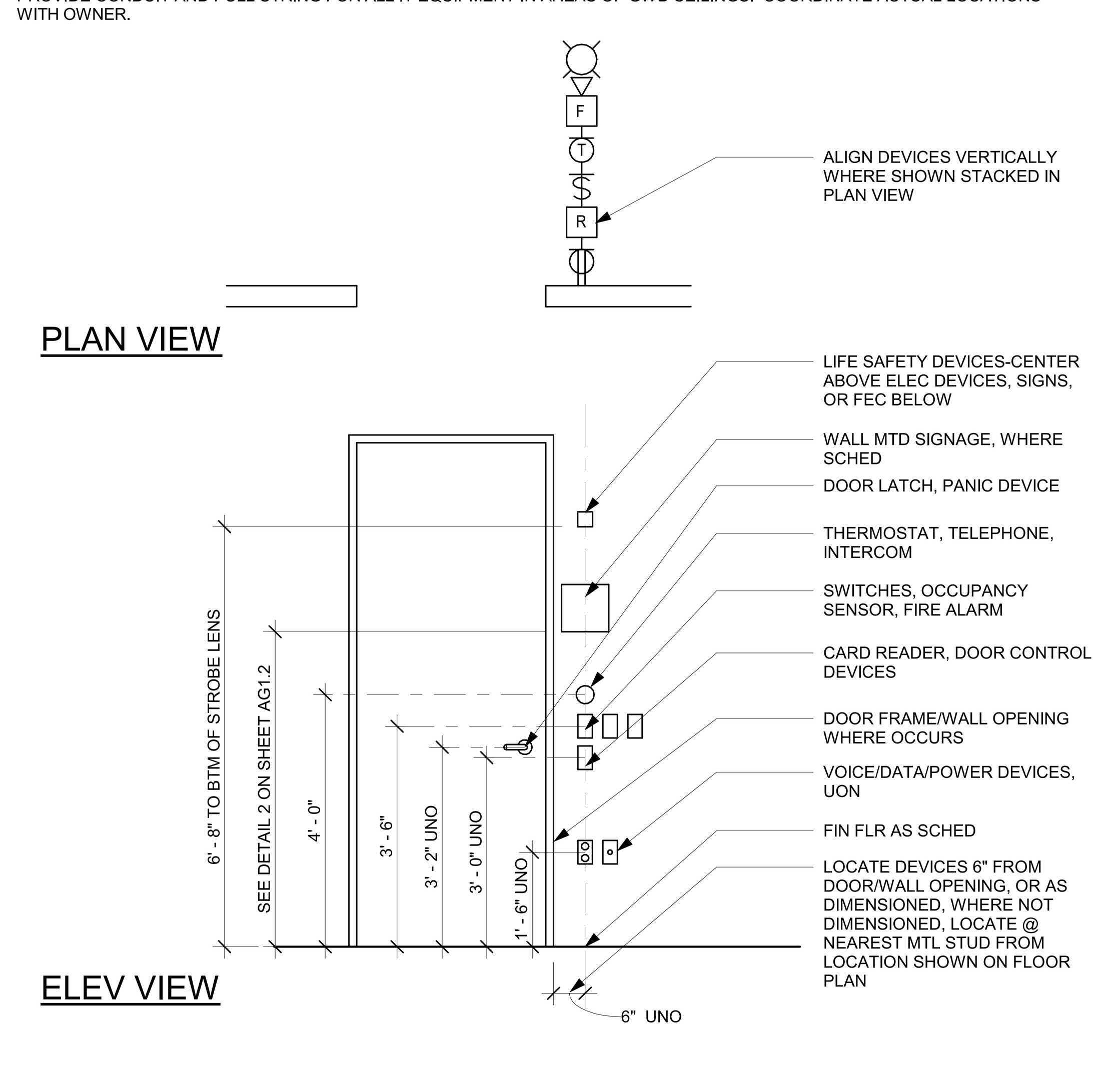
5 COORDINATE MOUNTING FLANGES OF ALL FIXTURES WITH CEILING TYPE TO RECEIVE FIXTURES.

6 COORDINATE W/ MECHANICAL, ELECTRICAL, PLUMBING EQUIPMENT FOR SPECIFIC ACCESS PANEL LOCATIONS AND VERIFY WITH OWNER PRIOR TO INSTALLATION. NOT ALL REQUIRED ACCESS PANELS ARE SHOWN ON ARCH DRAWINGS. PROVIDE 22" X 22" ACCESS PANEL UNLESS SMALLER PANEL IS ALLOWABLE BY CODE.

7 FOLLOW GWB MANUFACTURER'S WRITTEN GUIDELINES FOR RADIUS APPLICATIONS AT CURVED WALLS AND BULKHEADS. PROVIDE LEVEL 5 DRYWALL FINISH ON ALL CURVED WALLS, CEILINGS, AND BULKHEADS.

8 EXTEND GYPSUM BOARD UP EXISTING WALLS WHERE NEW CEILING HEIGHT IS GREATER THAN EXISTING CEILING HEIGHTS.

9 PROVIDE CONDUIT AND PULL STRING FOR ALL IT EQUIPMENT IN AREAS OF GWB CEILINGS. COORDINATE ACTUAL LOCATIONS WITH OWNER.



1 GENERAL DEVICE ALIGNMENT DIAGRAM
1/2" = 1'-0"

PROPERTY MANAGEMENT REGULATIONS

1 THIS BUILDING WILL REMAIN OCCUPIED THROUGHOUT CONSTRUCTION PROCESS. MAINTAIN EGRESS PATHS, FIRE ALARM, AND SPRINKLER SYSTEMS AT ALL TIMES. ALL WORK THAT MAY AFFECT LIFE SAFETY SYSTEMS SHALL NOT COMMENCE UNTIL AFTER THE BUILDING MANAGER'S WRITTEN APPROVAL HAS BEEN OBTAINED FOR BOTH TIMING AND SCOPE OF THE WORK.

2 NO DEMO WORK, ODOR CAUSING WORK, NOISY WORK, OR WORK THAT CAUSES EXCESSIVE VIBRATIONS TO OCCUR BETWEEN THE HOURS OF 7:00 AM AND 6:00 PM

3 ALL REQUESTS FOR AFTER-HOURS AUTHORIZATIONS THAT AFFECT BUILDING SYSTEMS OR EQUIPMENT SHALL BE MADE IN WRITING TO THE BUILDING MANAGER AT LEAST 48 HOURS IN ADVANCE NO CALL-IN AUTHORIZATIONS.

4 A COPY OF THE CONSTRUCTION PERMIT, THE CONSTRUCTION SCHEDULE, AND A LIST OF SUBCONTRACTORS SHALL BE SUBMITTED TO THE PROPERTY MANAGER PRIOR TO CONSTRUCTION.

5 A PRE-JOB WALK THROUGH SHALL BE ARRANGED BY THE CONTRACTOR WITH THE PROPERTY MANAGER AND ALL ON-SITE STAGING AREAS MUST BE PRE-APPROVED.

6 THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO THE BUILDING CAUSED BY THE CONTRACTOR'S SUBCONTRACTORS. OWNER RESERVES THE RIGHT TO REMEDY ANY DAMAGES AT THE CONTRACTOR'S EXPENSE IF THE WORK IS NOT ACCEPTABLY CORRECTED WITHIN 2 WEEKS AFTER WRITTEN NOTICE.

7 THE CONTRACTOR MUST PROVIDE FOR THE DAILY REMOVAL OF ALL TRASH AND DEBRIS CREATED DURING THECOURSE OF CONSTRUCTION. ALL CONTRACTORS MUST SCHEDULE THE DELIVERY OF TRASH CONTAINERS WITH THE PROPERTY MANAGEMENT OFFICE. AT NO TIME ARE THE BUILDING TRASH COMPACTORS AND/OR DUMPSTERS TO BE USED BY THE CONTRACTOR FPM ASSUMES NO RESPONSIBILITY FOR THE CONTRACTOR'S TRASH CONTAINERS. TRASH SHALL BE CONTAINED WITHIN THE CONTRACTOR'S TRASH CONTAINERS, WHICH SHOULD BE EMPTIED ON A REGULAR BASIS AND NEVER ALLOWED TO OVERFLOW OR OTHERWISE REMAIN OUTSIDE OF THE REQUIRED CONTAINER.

8 THE CONTRACTOR WILL BE PROVIDED WITH ELECTRONIC ACCESS CARDS. THE NAME, COMPANY, AND CONTACT INFORMATION SHALL BE SUBMITTED TO ARLINGTON COUNTY OF EVERY EMPLOYEE THAT RECEIVES AN ELECTRONIC ACCESS CARD.

9 COORDINATE THE FINAL DOOR KEYING REQUIREMENTS WITH THE BUILDING MANAGER AND WITH ARLINGTON COUNTY.

10 THE FREIGHT ELEVATOR MUST BE RESERVED IN ADVANCE. IT CANNOT BE RESERVED FROM 8:00 AM TO 9:00 AM, FROM 11:00 AM TO 1:00 PM, OR 4:00 PM TO 5:00 PM UNLESS SPECIAL PERMISSION IS GIVEN AS THESE ARE PEAK USE TIMES. PROVIDE ELEVATOR PROTECTION AT ALL TIMES.

GENERAL ELEVATOR NOTES:

1 THIS WORK REQUIRES COORDINATION BY THE CONTRACTOR WITH THE BUILDING LANDLORD AND THEIR ELEVATOR CONTRACTOR.

2 ELEVATOR #1 TO GET NEW CALL BUTTONS AND LANTERNS ON FLOORS G3 THROUGH 10. MATCH CALL BUTTONS AND LANTERNS ON ELEVATORS 3 AND 5 ON FLOOR 6.

3 THE CONTRACTOR MUST USE THE LANDLORD'S ELEVATOR CONTRACTOR FOR CALL BOXES AND LANTERNS. CONTACT EVER MELENDEZ (EVER.MELENDEZ@OTIS.COM 703.946.4612) OR PAUL ZHGILOV (PAVEL.ZHGILOV@OTIS.COM 301.996.2396)

4 ELEVATORS #6 THROUGH #9 TO GET NEW CALL BUTTONS AND LANTERNS ON FLOORS G3 THROUGH 10. MATCH CALL BUTTONS AND LANTERNS ON ELEVATORS 3 AND 5 ON FLOOR 6.

5 THE EXISTING FIRE RATED SHAFT ENCLOSURE SHALL NOT BE DISTURBED.

6 ALL ELEVATOR WORK SHALL BE SCHEDULED IN ADVANCE WITH THE BUILDING MANAGER.

7 SEE DRAWINGS FOR LOCATIONS OF ELEVATOR TRIM. TRIM TO INCLUDE NEW FLOOR INDICATORS AT THE JAMBS.

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Construction Documents for:
ARLINGTON COUNTY OFFICES RENOVATIONS
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
PERMIT / BID
Revisions

GENERAL NOTES

Scale **1/2" = 1'-0"**
Drawn JV
Checked RM

AG1.1

PERMIT / BID

5/25/2021 7:13:32 PM
C:\Users\DimitarF\Documents\18029-01 Arlington CHP Renovation_Main_CENTRAL_2020_DimitarFSG5SM.rvt

FIG. 302.2 - CARPET PILE ON FLOOR OR GROUND SURFACES

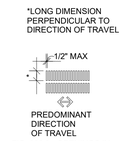


FIG. 302.3 - OPENINGS IN FLOOR OR GROUND SURFACES

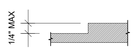


FIG. 303.2 - VERTICAL CHANGES IN LEVEL

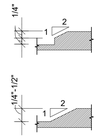


FIG. 303.3 - BEVELED CHANGES IN LEVEL

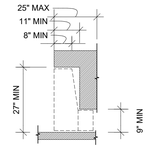


FIG. 306.3 - KNEE CLEARANCE

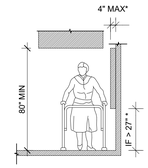


FIG. 307.2 - LIMITS OF PROTRUDING OBJECTS

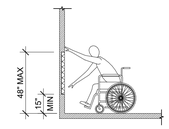


FIG. 308.2.1 - UNOBSTRUCTED FORWARD REACH

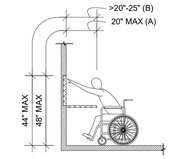


FIG. 308.2.2 - OBSTRUCTED HIGH FORWARD REACH (A) AND (B)

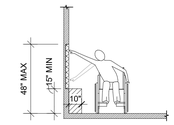


FIG. 308.3.1 - UNOBSTRUCTED SIDE REACH

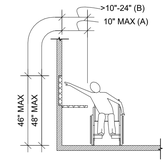
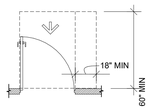
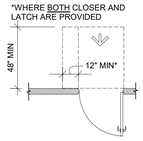


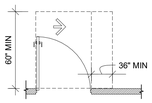
FIG. 308.3.2 - OBSTRUCTED HIGH SIDE REACH (A) AND (B)



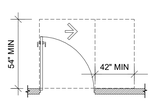
ICC FIG 404.2.3.2 (A)
ADA FIG 404.2.4.1 (A)
MANEUVERING CLEARANCE AT SWINGING DOORS FRONT APPROACH, PULL SIDE



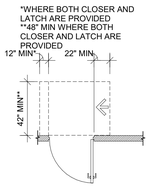
ICC FIG 404.2.3.2 (B)
ADA FIG 404.2.4.1 (B-C)
FRONT APPROACH, PUSH SIDE



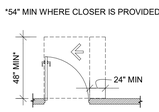
ICC FIG 404.2.3.2 (C)
ADA FIG 404.2.4.1 (D)
HINGE APPROACH, PULL SIDE



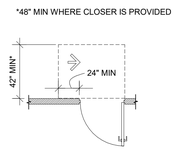
ICC FIG 404.2.3.2 (D)
ADA FIG 404.2.4.1 (E)
HINGE APPROACH, PULL SIDE



ICC FIG 404.2.3.2 (E)
ADA FIG 404.2.4.1 (F-G)
HINGE APPROACH, PUSH SIDE



ICC FIG 404.2.3.2 (F)
ADA 404.2.4.1 (H-I)
LATCH APPROACH, PULL SIDE



ICC FIG 404.2.3.2 (G)
ADA 404.2.4.1 (J-K)
LATCH APPROACH, PUSH SIDE

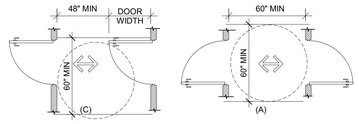


FIG. 404.2.5 - TWO DOORS IN SERIES
(C) AND (A)

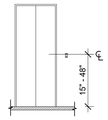


FIG. 407.2.1.1 - ELEVATOR CALL BUTTONS

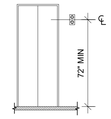


FIG. 407.2.2.2 - HEIGHT OF ELEVATOR SIGNALS

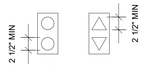


FIG. 407.2.2.2 - SIZE OF ELEVATOR SIGNALS

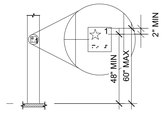


FIG. 407.2.3.1 - TACTILE CHARACTERS ON ELEVATOR HOISTWAY ENTRANCES

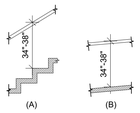
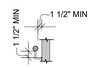
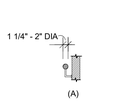


FIG. 505.4 - HANDRAIL HEIGHT
(A) STAIRS
(B) RAMPS



ICC FIG 505.5
ADA FIG 505.5, 505.6
HANDRAIL CLEARANCE



ICC FIG 505.7
ADA FIG 505.7.2
HANDRAIL CROSS SECTION
(A) CIRCULAR
(B) AND (C) NON-CIRCULAR

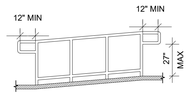


FIG. 505.10.1 - TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

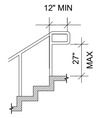


FIG. 505.10.2 - TOP HANDRAIL EXTENSIONS AT STAIRS

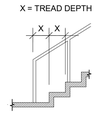


FIG. 505.10.3 - BOTTOM HANDRAIL EXTENSIONS AT STAIRS

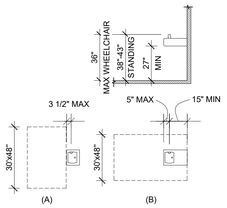


FIG 602.2, 602.5
DRINKING FOUNTAIN SPOUT LOCATION
(A) PARALLEL APPROACH - CHILDREN ONLY
(B) FORWARD APPROACH

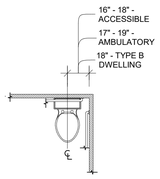
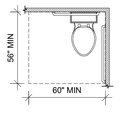


FIG. 604.2 - WATER CLOSET LOCATION



ICC FIG 604.3
ADA FIG 604.3.1
SIZE OF CLEARANCE FOR WATER CLOSET

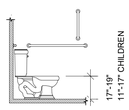


FIG. 604.4 - HEIGHT OF WATER CLOSET SEAT

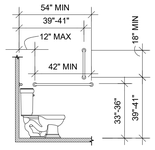


FIG. 604.5.1 - SIDE WALL GRAB BAR FOR WATER CLOSET

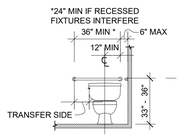
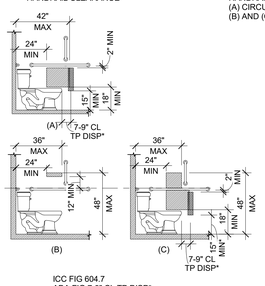
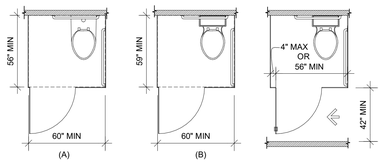


FIG 604.5.2 - REAR WALL GRAB BAR FOR WATER CLOSET

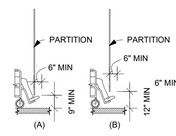


ICC FIG 604.7
ADA FIG 7-9" CL TP DISP*
DISPENSER OUTLET LOCATION
(A) PROTRUDING - BELOW GRAB BAR
(B) PROTRUDING - ABOVE GRAB BAR
(C) RECESSED

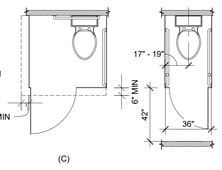


ICC FIG 604.9.2
ADA FIG 604.8.1.1
WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS
(A) WALL-HUNG WATER CLOSET - ADULT
(B) FLOOR-MOUNTED WATER CLOSET - ADULT AND WALL HUNG AND FLOOR-MOUNTED CLOSET - CHILDREN

ICC FIG 604.9.3.1
ADA FIG 604.8.1.2
TOILET COMPARTMENT DOORS



ICC FIG. 604.9.5
ADA FIG 604.8.1.4
TOILET COMPARTMENT TOE CLEARANCE
(A) ELEVATION ADULT
(B) ELEVATION CHILDREN
(C) PLAN



ICC FIG 604.10
ADA FIG 604.8.2
AMBULATORY ACCESSIBLE COMPARTMENT

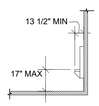


FIG. 605.2 - URINAL HEIGHT

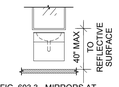


FIG. 603.3 - MIRRORS AT LAVATORIES

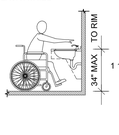


FIG. 606.3 - HEIGHT OF LAVATORIES AND SINKS

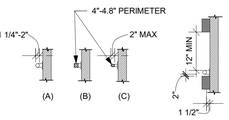
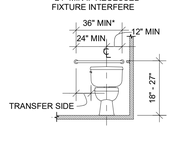
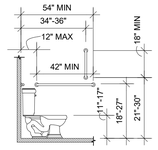


FIG. 609.2 - SIZE OF GRAB BARS
(A) CIRCULAR
(B) AND (C) NON-CIRCULAR

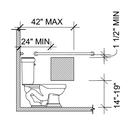
FIG. 609.3 - SPACING OF GRAB BARS WITH PROJECTING OBJECTS



ICC FIG 609.4.2
ADA NA
REAR WALL GRAB BAR FOR WATER CLOSET - CHILDREN



ICC FIG 609.4.2
ADA NA
SIDE WALL GRAB BAR FOR WATER CLOSET - CHILDREN



ICC FIG 604.11.7
ADA NA
DISPENSER OUTLET LOCATION - CHILDREN

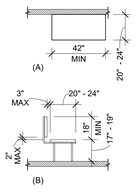
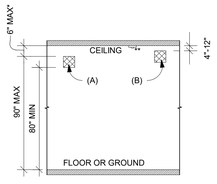
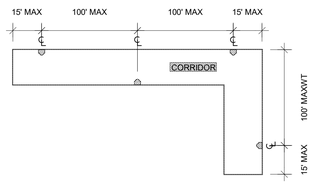


FIG. 903 - BENCHES
(A) CLEAR FLOOR SPACE AND SIZE
(B) BENCH BACK SUPPORT AND SEAT HEIGHT



LOCATION OF WALL-MOUNTED ALARM APPLIANCES
(A) WALL ALARM: 80" - 90", OR 6" FROM CLG <7" - 6"*
(B) WALL ALARM WITH SMOKE DETECTOR
** CEILING MOUNTED STROBE: 30' MAX AFF



ALARM APPLIANCE SPACING IN CORRIDORS

1 2009 - ICC A117.1

1/4" = 1'-0"

GENERAL ACCESSIBILITY NOTES:

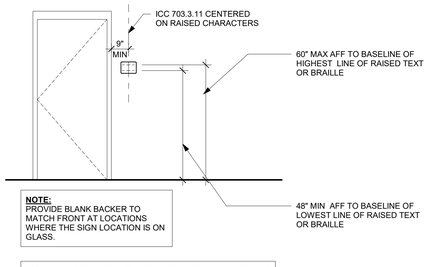
1 IN ALL CASES THE GENERAL CONTRACTOR SHALL BEAR RESPONSIBILITY FOR COMPLIANCE WITH THE CLEARANCES AND DIMENSIONS INDICATED ON THE ACCESSIBILITY STANDARDS DRAWING AND WITHIN THE BALANCE OF THE CONTRACT DOCUMENTS

2 THE SPECIFIC DIMENSIONS AND/ OR RANGES INDICATED IN THE ACCESSIBILITY STANDARDS DRAWING ARE A REGULATORY REQUIREMENT; NO ADDITIONAL TOLERANCES EITHER PLUS OR MINUS WILL BE ACCESPTED.

3 THE FULL TEXT OF THE ADA STANDARDS FOR GOVERNMENT ACCESSIBILITY DESIGN MAY BE FOUND AT THE WEBSITE: http://www.ada.gov

4 THE FULL TEXT OF THE ICC/ANSI A117.1 STANDARD FOR ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES IS AVAILABLE THROUGH THE WEBSITE WWW.ICCSAFE.ORG

5 OWNER IS PROVIDING AND INSTALLING ALL INTERIOR WAYFINDING SIGNAGE INCLUDING SIGNAGE REQUIRED BY THE BUILDING CODE AT RESTROOMS , BUILDING EXITS, AND ASSEMBLY OCCUPANCIES.



NOTE: PROVIDE BLANK BACKER TO MATCH FRONT AT LOCATIONS WHERE THE SIGN LOCATION IS ON GLASS.

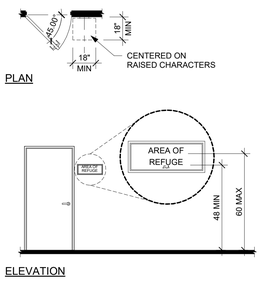
NOTE: THIS SIGNAGE IS OWNER FURNISHED AND INSTALLED

2 SIGNAGE-TYPICAL MOUNTING

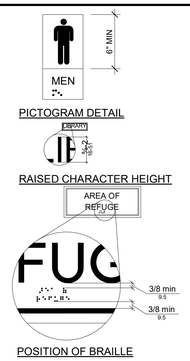
3/8" = 1'-0"

ADA SIGNAGE:

NOTE: THIS SIGNAGE IS OWNER FURNISHED AND INSTALLED



LOCATION OF PERMANENT & TACTILE SIGNS



TACTILE

1. ALL ACCESSIBLE ENTRIES SHALL HAVE AN INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA)
2. PROVIDE DIRECTIONAL SIGNAGE INDICATING NEAREST ACCESSBILE ENTRY AT ALL INACCESSIBLE ENTRANCES
3. MAJOR JUNCTIONS ALONG ACCESSIBLE ROUTES LEADING TO ENTRIES SHALL ALSO HAVE AN ISA WITH DIRECTIONAL SIGNS
4. THE SYMBOL SHALL BE A WHITE FIGURE ON A BLUE BACKGROUND THAT PROVIDES CONTRAST AND APPROVED BY ENFORCEMENT AGENCY EXCEPT AT PARKING

SYMBOLS

architecture incorporated
1902 campus commons drive
suite 101
reston, virginia 20191
Tel: 703.476.3900
www.archinc.com

Construction Documents for:

ARLINGTON COUNTY OFFICES RENOVATIONS
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
PERMIT / BID
Revisions

ACCESSIBILITY STANDARD

Scale **As indicated**
Drawn CS
Checked RM

AG1.2

PERMIT / BID

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SCHEDULES - LIGHTING FIXTURE SCHEDULE

TYPE MARK	MANUFACTURER	DESCRIPTION	IMAGE
A	LITON	2.5" PRECISION ROUND FLANGED FIXED DOWNLIGHT, 1000 LUMENS, 3500K, SPECULAR CLEAR REFLECGTOR, WHITE TRIM RING, 60° FLOOD	
A1	LITON	6" ARCHITECTURAL REMODEL LED FRAME KIT WITH 6" TRIM, 1200 LM, WHITE REFLECTOR, WHITE TRIM, FLOOD, 3500K	
A2	LITON	2.5" PRECISION ROUND FLANGED FIXED DOWNLIGHT, 1400 LUMENS, 3500K, SPECULAR CLEAR REFLECGTOR, WHITE TRIM RING, 60° FLOOD	
A3	GREEN CREATIVE	THINFIT 6" COMMERCIAL DOWNLIGHT, 12W, CRI 90, 3500 K CCT	
B	XAL, Inc.	BASO 1.5 LINEAR LIGHTING, TRIMLESS, WHITE, HP OPAL COVER, 3500K, CRI 80, 550 LM/FT	
C	XAL, Inc.	MOVE IT 1.1 TRACK LIGHTING SYSTEM, WHITE, RECESSED, WITH JUST 55 SPOTS, WHITE, 3500K, 1100 LM. PROVIDE ONE SPOT FOR EVERY 12" OF TRACK.	
C1	XAL, Inc.	MOVE IT 1.1 TRACK LIGHTING SYSTEM, WHITE, SUSPENDED, WITH JUST 45 SPOTS, WHITE, 3500K, 700 LM. PROVIDE ONE SPOT FOR EVERY 12" OF TRACK.	
D	LIGHTING ELEMENTS	OMNI LUCENT UNIVERSAL APPLICATION LED TROFFER 2X2, 3500K, 24W	
D1	LIGHTING ELEMENTS	OMNI LUCENT UNIVERSAL APPLICATION LED TROFFER 2X4, 3500K, 36W	
F	SENSO	DAGGER, SURFACE MOUNT, FROSTED LENS, PRO, 3500K, BLACK, 48" L	
G	LUX	EOS 3.0 WALL GRAZE - SINGLE - SEE RCP FOR LENGTH; 500 LUMENS/FOOT	
H	XAL, Inc.	TASK SYSTEM DIRECT PENDANT, 3500K, 560 LM/FT, LINEAR, 4 FT	
J	FOLIO	OPAL 10L CUSTOM LED PANEL WITH AC-1 ACRYLIC PANEL - WALL MOUNTED	
K1	LIGHTING ELEMENTS	LIGHTING ELEMENTS' MISTER T LED LINEAR LIGHT. 2FT, 15/16 GRID, 3500K	
L	LUMOS	LC4 4" LUMINOUS CYLINDER PENDANT, 24"	
L1	LUMOS	LC4 4" LUMINOUS CYLINDER PENDANT, 48"	
L2	LUMOS	LC4 4" LUMINOUS CYLINDER PENDANT, 72"	
N-01	DIODE LED	NEON BLAZE MINI 24 V LED STRIP LIGHT/ 3000K / MOUNTED IN MILLWORK WITH CURVED SUFRACE	
N-02	DIODE LED	BLAZE X 24V BLX-1 / 3500K / SLIM RECESSED CHANNEL WITH FROSTED COVER / MOUNTED IN MILLWORK AT ELEVATOR SURROUNDS	
N-03	DIODE LED	BLAZE X 24V BLX-1 / 3500K / SLIM CHANNEL WITH FROSTED COVER	
N-04	DIODE LED	BLAZE X 24V BLX-3 / 3500K / SLIM CHANNEL WITH FROSTED COVER	
P	SEASCAPE LAMPS	INNY PENDANT, 24", SILK TURQUOISE, WITH 3500K LED BULBS	
P1	SEASCAPE LAMPS	INNY PENDANT, 30", SILK VERDE, WITH 3500K LED BULBS	
R	D'STYLE	MIKA PENDANT, 4"4 DIAMETER, WHITE OUTSIDE, CUSTOM COLOR INSIDE: PANTONE 2394C, WITH 3500K LED BULBS	
R1	D'STYLE	MIKA PENDANT, 42" DIAMETER, WHITE OUTSIDE, CUSTOM COLOR INSIDE: PANTONE 3975C, WITH 3500K LED BULBS	

SCHEDULES - LIGHTING FIXTURE SCHEDULE

TYPE MARK	MANUFACTURER	DESCRIPTION	IMAGE
S	LUMETTA	DRUM 34" SURFACE MOUNT. STEEL FINISH WITH DL21 KORIE LUMENATE DIFFUSER, 3500K LED	
T	BOVER		
U	KARTELL	FL/Y PENDANT, TRANSPARENT, K2/LIGHT BLUE	
V	TOM DIXON	ETCH PENDANT, STEEL, ETS03SEU	
X	PHILIPS CHLORIDE	EXIT SIGN; 45VL (RED LETTERING), EDGE-LIT, LED, 120/277, 4W	
Y	TECH LIGHTING	MINA PENDANT, BLACK FINISH, BLACK CORD	
Z	LITHONIA LIGHTING	CONTRACTOR SELECT LED WRAP LINEAR FLUSH MOUNT, 24", 1200 LUMENS, 19.6 W, 120V, 4000K	

SCHEDULE - SPECIALTY EQUIPMENT

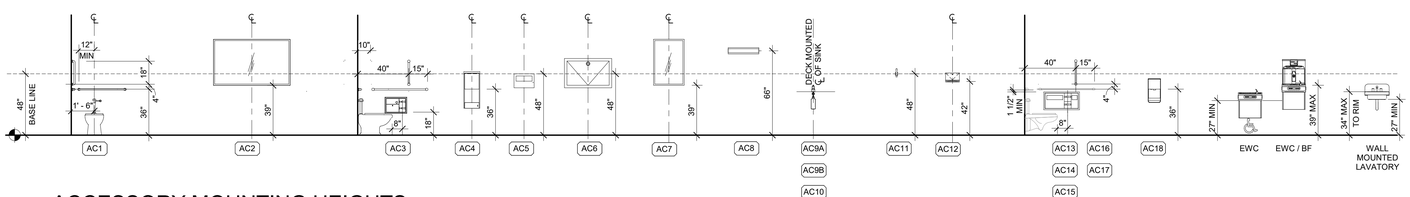
KEY	MFR	MODEL	DESCRIPTION	TYPE	INSTALL / PROCURE
AUDIO / VISUAL					
AV1	-	-	LASER PRINTER	LASER PRINTER	OFOI
AV2	DA-LITE	TENSIONED - ADVANTAGE - SERIES	100" PROJECTION SCREEN, POWER AND DATA REQUIRED. PROVIDE INDEPENDENT SWITCH FOR RAISING/LOWERING IN ADDITION TO AUTOMATIC OPERATION. COORDINATE WITH DTS FOR OPTIONS. INTEGRATE CONTROLS WITH AV SYSTEM AND PROVIDE A 2ND SEPARATE SWITCH.	PROJECTION SCREEN	CFCI
AV3	SONY	LASER PROJECTOR	PLCWZ10 -POWER AND DATA REQUIRED	CEILING MOUNTED PROJECTOR	OFOI
AV4	AUDIX	M3	HANGING CEILING MICROPHONE. COORDINATE WITH DTS FOR LOCATION.	10"	OFOI
AV5	HUDDLECAM	HC20X-WH-G2	Ceiling mounted conference camera. POWER REQUIRED. COORDINATE WITH DTS FOR LOCATION.	69" AFF	OFOI
AV6	VARIES	VARIES	Ceiling recessed speakers, coordinate with DTS for model and manufacturer. Provide conduit and power.	6" x 8"	OFOI
AV7	CRESTON	CRESTON	I-pad non-removable and wall station, provide conduit. Coordinate with DTS for final location.	48" AFF	OFOI
AV8	DA-LITE	TENSIONED - ADVANTAGE - SERIES	110" PROJECTION SCREEN, POWER AND DATA REQUIRED. PROVIDE INDEPENDENT SWITCH FOR RAISING/LOWERING IN ADDITION TO AUTOMATIC OPERATION. COORDINATE WITH DTS FOR OPTIONS. INTEGRATECONTROLS TO AV SYSTEM.	PROJECTION SCREEN -110"	CFCI
AV12	AVFI	CR3 - WM	Triple Rack Wall Mounted Credenza -POWER AND DATA REQUIRED	AV CREDENZA	OFOI
AV13	AVFI	CR2 - WM	Dual Rack Wall Mounted Credenza -POWER AND DATA REQUIRED	AV CREDENZA	OFOI
AV16	LG/ SAMSUNG/ NEC	VARIES	60" LED - COMMERCIAL MONITOR W/ TUNER -POWER AND DATA REQUIRED	TV - 60"	OFOI
AV17	LG/ SAMSUNG/ NEC	VARIES	70" LED - COMMERCIAL MONITOR W/ TUNER -POWER AND DATA REQUIRED	TV - 70"	OFOI
AV18	LG/ SAMSUNG/ NEC	VARIES	55" LED - COMMERCIAL MONITOR W/ TUNER -POWER AND DATA REQUIRED.	TV - 55" VERT	CFCI
AV19	LG/ SAMSUNG/ NEC	VARIES	84" LED - COMMERCIAL MONITOR W/ TUNER -POWER AND DATA REQUIRED	TV - 84"	OFOI
AV20A	WHITEBOARD 72" x 48"	MARKAWALL/IND OFF	IDEAPAINT CREATE CLEAR DRY ERASE PAINT WITH MULLION H-BAR SNAP-ON ALUMINUM TRIM AT TOPS AND SIDES AND IND-4 BOX TRAY W/ CAST END CAPS. REF DETAIL	WHITEBOARD - 72" x 48"	CFCI
AV20B	WHITEBOARD	MARKAWALL/IND OFF	IDEAPAINT CREATE CLEAR DRY ERASE PAINT WITH MULLION H-BAR SNAP-ON ALUMINUM TRIM AT TOPS AND SIDES AND IND-4 BOX TRAY W/ CAST END CAPS. REF DETAIL	WHITEBOARD - 96" x 48"	CFCI
AV20C	WHITEBOARD	MARKAWALL/IND OFF	IDEAPAINT CREATE CLEAR DRY ERASE PAINT WITH MULLION H-BAR SNAP-ON ALUMINUM TRIM AT TOPS AND SIDES AND IND-4 BOX TRAY W/ CAST END CAPS. REF DETAIL	WHITEBOARD - 144" x 48"	CFCI
EQUIPMENT					
E-1			(E) WHEELCHAIR LIFT - REINSTALL	Step_Lift_for_Wheelchairs_19573	CI
E-2	DEBOURGH MANUFACTURING CO	CORE ATHLETIC	1 TIER LOCKER - 72 IN HT X 15" W X 18"D	1-Tier 72"	CFCI
FIRE SAFETY					
FEC			FIRE EXTINGUISHER CABINET - SEMI-RECESSED	FEC	CFCI
FHC (R)			FIRE HOSE CABINET - SURFACE MOUNTED - REINSTALL SALVAGED	FIRE HOSE REEL CAB_SUR_MOUNT	OFCI
INFORMATION TECH					
IT1	XEROX	-	COPIER, PROVIDE POWER AND DATA	COPIER - 50" x 26" x 36"H	OFOI
IT2	DELL	DELL OPTIPLEX 7060	CIRCULATION Desktop two 19" monitos w/ receipt printer, keyboard, mouse and barcode scanner, CPU: Width 3.7" (9.26cm) | Depth 11.4" (29.0cm) | Height 11.5" (29.2cm) - For librarian use provide power and data.	CIRCULATION COMPUTER	OFOI
IT3	-	-	LIBRARY PAY-TO-USE COPIER, PROVIDE POWER AND DATA	Copier	OFOI
IT4	HP	HP Color LaserJet M553n	LIBRARY PAY-TO-USE PRINTER, PROVIDE POWER AND DATA	PRINTER	OFOI
IT5	DELL	DELL OPTIPLEX 7060	DESKTOP MONITOR - Public 22" w/ keyboard and mouse, CPU: Width 3.7" (9.26cm) | Depth 11.4" (29.0cm) | Height 11.5" (29.2cm) - For public use, Provide power and data.	PUBLIC COMPUTER	OFOI
IT6	DELL	DELL OPTIPLEX 7060	DESKTOP MONITOR - Self Check out, Dell Optiplex 7060 (17" touch screen, POS-X ION0TM2B, 19" monitor) w/ receipt printer, keyboard, mouse and barcode scanner, CPU: Width 3.7" (9.26cm) | Depth 11.4" (29.0cm) | Height 11.5" (29.2cm) - For public use provide power and data.	SELF CHECK OUT COMPUTER WORKSTATION	OFOI
IT7	DELL	DELL OPTIPLEX 7060	DESKTOP MONITOR - Catalog, Public 22" w/ keyboard and mouse, CPU: Width 3.7" (9.26cm) | Depth 11.4" (29.0cm) | Height 11.5" (29.2cm) - For public use, Provide power and data.	22" Monitor - Catalog	OFOI
IT8	TBS	TBS9900	PAYMENT KIOSK, POWER AND DATA REQUIRED	KIOSK - 3574	OFOI
IT9	XEROX	-	COPIER, POWER AND DATA REQUIRED		OFOI
IT10	XEROX	-	PLOTER, POWER AND DATA REQUIRED	PLOTTER - 55" x 30" x 36"H	OFOI
IT11	TBD	TBD	COMPUTER RESERVATION STATION, POWER AND DATA REQUIRED	COMPUTER RESERVATION STATION	OFOI
IT12	-	-	WIRE SHELVING UNIT - 24X36	36" Wide x 24" Deep	OFOI
KITCHEN					
K1	HISHOZAKI	AM-50BAJ-AD	ICE MAKER WITH AIR-COOLED SELF-CONTAINED BUILT IN 22LB STORAGE BIN -REQUIRES WATER LINE - ADA HEIGHT	ICE MAKER	CFCI
K2	BOSCH	SGX68U55UC	DISHWASHER - ADA 24" 800 SERIES BAR HNDL, 6/5 CYCLES, 3RD RCK, 44 DBA, RCKMATIC,15 PL STGS, INFOLIGHT - SS STAINLESS STEEL	DISHWASHER	CFCI
K3	GENERAL ELECTRIC	JES1657SMSS	1.6 Cu. FT. COUNTER TOP MICROWAVE OVER	MICROWAVE	CFCI
K4	CAFE	CWE23SP2MS1	ENERGY STAR 23.1 CU FT, COUNTER DEPTH FRENCH DOOR REFRIGERATOR, ADA COMPLIANT PROVIDE WATER LINE BUT DO NOT CONNECT.	REFRIGERATOR	CFCI
K5	EVOLUTION COMPACT	INSINKERATOR	SINK DISPOSAL UNIT - 3/4" HP	DISPOSAL	CFCI
K6	WATER LOGIC	INFINITY UV	HOT AND CHILLED FILTER WATER DISPENSER - TABLE TOP, SILVER, REQUIRES WATER LINE	WATER DISPENSER	CFCI
K7	TBD	TBD	COFFEE MAKER - PROVIDE WATER LINE BUT CAP IN CABINET BELOW FOR FUTURE USE	COFFEE MAKER	OFOI
K8	-	-	VENDING MACHINE	VENDING MACHINE	OFOI
K9	-	-	DRINK VENDING MACHINE	DRINK VENDING MACHINE	OFOI
LIFE SAFETY					
AED (R)	-	-	RECESSED AED CABINET - REINSTALL SALVAGED	SEQP-AED_Relocated	CFCI
FS1	MODERN METAL PRODUCTS	280SMSS	TECC & CABINET: 18" X 18" X 7"	TECC	CFCI
OF/OI					
AV18	LG/ SAMSUNG/ NEC	VARIES	55" COMMERCIAL MONITOR W/ TUNER -POWER AND DATA REQUIRED	55"	OFOI

NOTE:
1. PROVIDE BLOCKING FOR WALL MOUNTED EQUIPMENT - REFER TO DETAILS 3/A8.1 AND 1/A9.3
2. GC TO PROVIDE CONDUIT AND WIRE PULLS FOR ALL EQUIPMENT, INCLUDING OFOI EQUIPMENT WHERE CONDUIT WILL BE CONCEALED BY WALLS OR CEILINGS. COORDINATE EXACT LOCATION OF ALL EQUIPMENT AND DEVICES WITH OWNER.

NOTES:
1. MOUNT DEVICES SO THAT THE POINT OF USE DOES NOT EXCEED 48" UNLESS MARKED OTHERWISE.
2. DRINKING FOUNTAINS, TOILETS AND URINALS ARE TO BE MOUNTED AS PER MANUFACTURER RECOMMENDATIONS FOR STANDARD UNITS.
3. MOUNT ACCESSORIES AS SHOWN BELLOW UNLESS NOTED OTHERWISE.
4. HEIGHT OF HANDICAP GRAB BARS @ TOILET ARE MIN + MAX HEIGHTS AS REQ'D BY MAAB. COORDINATE FINAL HEIGHT W/ HEIGHT OF TOILET TANK, SUCH THAT LID CAN BE REMOVED W/O REMOVING GRAB BAR.
5. FLUSH HANDLE LOCATED ON ACCESSIBLE SIDE OF TOILETS.
6. CONTRACTOR TO PROVIDE BLOCKING/BACKING FOR ALL ACCESSORIES.
   A. PROVIDE BLOCKING AT GRAB BARS TO WITHSTAND A 250LB. LOAD.
   B. REFER TO DETAIL 3/ A8.1

TOILET ACCESSORIES

MARK	DESCRIPTION	MFGR	MODEL
AC1	GRAB BAR - 3 PIECE SET - 36", 42" AND 18"	BOBRICK	B-6800 SERIES
AC2	FRAMELESS MIRROR 36" x 60"	-	-
AC3	RECESSED SANITARY NAPKIN DISPOSAL AND TOILET TISSUE DISPENSER	BOBRICK	B-3094
AC4	RECESSED ELECTRIC HAND DRYER	TOTO USA	HDR111#SS
AC5	SEAT COVER DISPENSER	BOBRICK	B-221
AC6	RECESSED BABY CHANGING STATION	BOBRICK	KB110-SSRE
AC7	FRAMELESS MIRROR 24" x 36"	BRADLEY	747-024360
AC8	SURFACE MOUNTED MOP AND BROOM HOLDER	BOBRICK	B-223 x 36
AC9A	COUNTER-MOUNTED MANUAL FOAM SOAP DISPENSER	BOBRICK	B-823
AC9B	LAVATORY MOUNTED SOAP DISPENSER	BOBRICK	B-82216
AC10	COUNTER-MOUNTED MANUAL SOAP DISPENSER	BOBRICK	B-8221
AC11	SURFACE-MOUNTED HAT AND COAT HOOK	BOBRICK	B-682
AC12	SURFACE MOUNTED PAPER TOWEL DISPENSER	BOBRICK	B-2621
AC13	ClassicSeries Toilet Seat-Cover Dispenser, Waste Disposal, and Toilet Tissue Dispenser	Bobrick	B-30919
AC14	ClassicSeries Toilet Seat-Cover Dispenser, Waste Disposal, and Toilet Tissue Dispenser	Bobrick	B-30929
AC15	ClassicSeries Recessed Toilet Seat-Cover Dispenser, Waste Disposal, and Toilet Tissue Dispenser	Bobrick	B-3092
AC16	ClassicSeries Recessed Toilet Seat-Cover Dispenser, Waste Disposal, and Toilet Tissue Dispenser	Bobrick	B-3091
AC17	VERTICAL GRAB BAR - 1 PIECE SET - 18"	BOBRICK	B-6800 SERIES
AC18	SURFACE MOUNTED ELECTRIC HAND DRYER, HDR101#WH - High speed hand dryer, Hygienic, touch-free operation, Splash resistant, Water tray to prevent slip and fall, Space saving, compact design, Low Operating noise 57dB(A), Energy Effcient 390W, AC powered	TOTO USA	HDR101#SS



ACCESSORY MOUNTING HEIGHTS
1/4" = 1'-0"

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Project: 18029-01

Issued 05/26/21
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	Revisions

SCHEDULES

Scale **1/4" = 1'-0"**
Drawn CS
Checked RM

AG1.3

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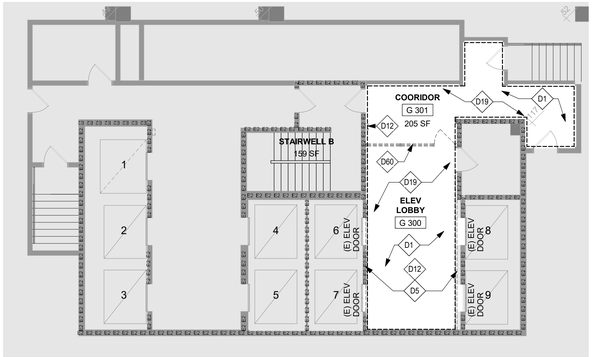
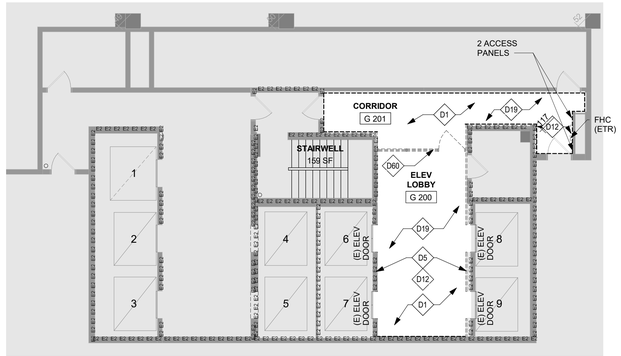
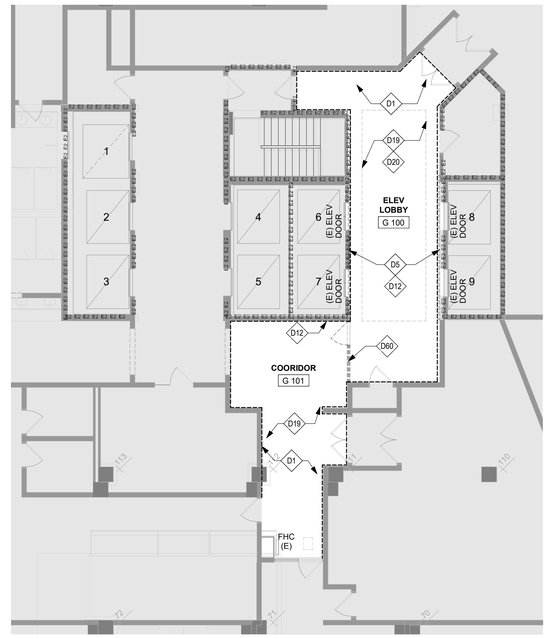


1 LEVEL G3 - DEMO
1/8" = 1'-0"



2 LEVEL G2 - DEMO
1/8" = 1'-0"



3 LEVEL G1 - DEMO
1/8" = 1'-0"

DEMOLITION LEGEND:

- KEYED DEMO NOTE
- DEMO DOOR AND FRAME
- DEMO PARTITION
- EXISTING PARTITION TO REMAIN
- EXISTING DOOR TO REMAIN
- EXISTING 2HR RATED WALLS
- AREA NOT IN PROJECT SCOPE

KEYED DEMOLITION NOTES

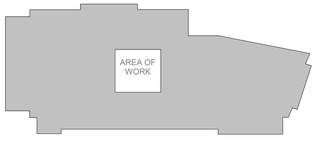
D1	REMOVE EXISTING CERAMIC TILE FLOORS, BASE AND WALL TILE IN ITS ENTIRETY THROUGHOUT ENTIRE ROOM (UNO). PATCH AND REPAIR SUBFLOOR AND WALLS AS REQUIRED TO PROVIDE A SMOOTH HOMOGENEOUS SURFACE READY TO RECEIVE NEW FINISHES
D5	REMOVE EXISTING ELEVATOR CALL BUTTONS, LANTERNS, AND FIXTURES. REMOVE EXISTING EMERGENCY TELEPHONE AND SALVAGE FOR REINSTALLATION. REFER TO ELEVATOR NOTES ON AG1.1
D12	REMOVE AND SALVAGE FOR REINSTALLATION ANY / ALL (E) AUTOMATIC DOOR OPERATOR DEVICE, SIGNAGE, FIRE EXTINGUISHER CABINET AND HOSE REEL CABINET IN THIS SPACE
D19	REMOVE EXISTING ACT CEILING, INCLUDING ALL CEILING MOUNTED EQUIPMENT, DIFFUSERS AND LIGHTS. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR ITEMS TO BE SALVAGED AND REINSTALLED
D20	REMOVE EXISTING GWB CEILING, INCLUDING ALL CEILING MOUNTED EQUIPMENT, DIFFUSERS AND LIGHTS. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR ITEMS TO BE SALVAGED AND REINSTALLED
D60	REMOVE (E) STOREFRONT AND DOOR IN ITS ENTIRETY - (E) HEADER FRAMING TO BE ADJUSTED AS REQ'D FOR NEW WORK

DEMOLITION NOTES

1. WORK SHOWN ON THIS SHEET WILL NEED TO BE COMPLETED IN 2 STAGES AS BUILDING WILL REMAIN OCCUPIED AND IN USE THROUGHOUT CONSTRUCTION. SEE PHASING PLANS.
2. REMOVE EXISTING WALL COVERING THROUGHOUT ALL AREAS WITHIN SCOPE OF PROJECT.

KEY PLAN

NOT TO SCALE



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G1, G2, G3 - DEMOLITION PLANS

Scale **1/8" = 1'-0"**
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D1.1

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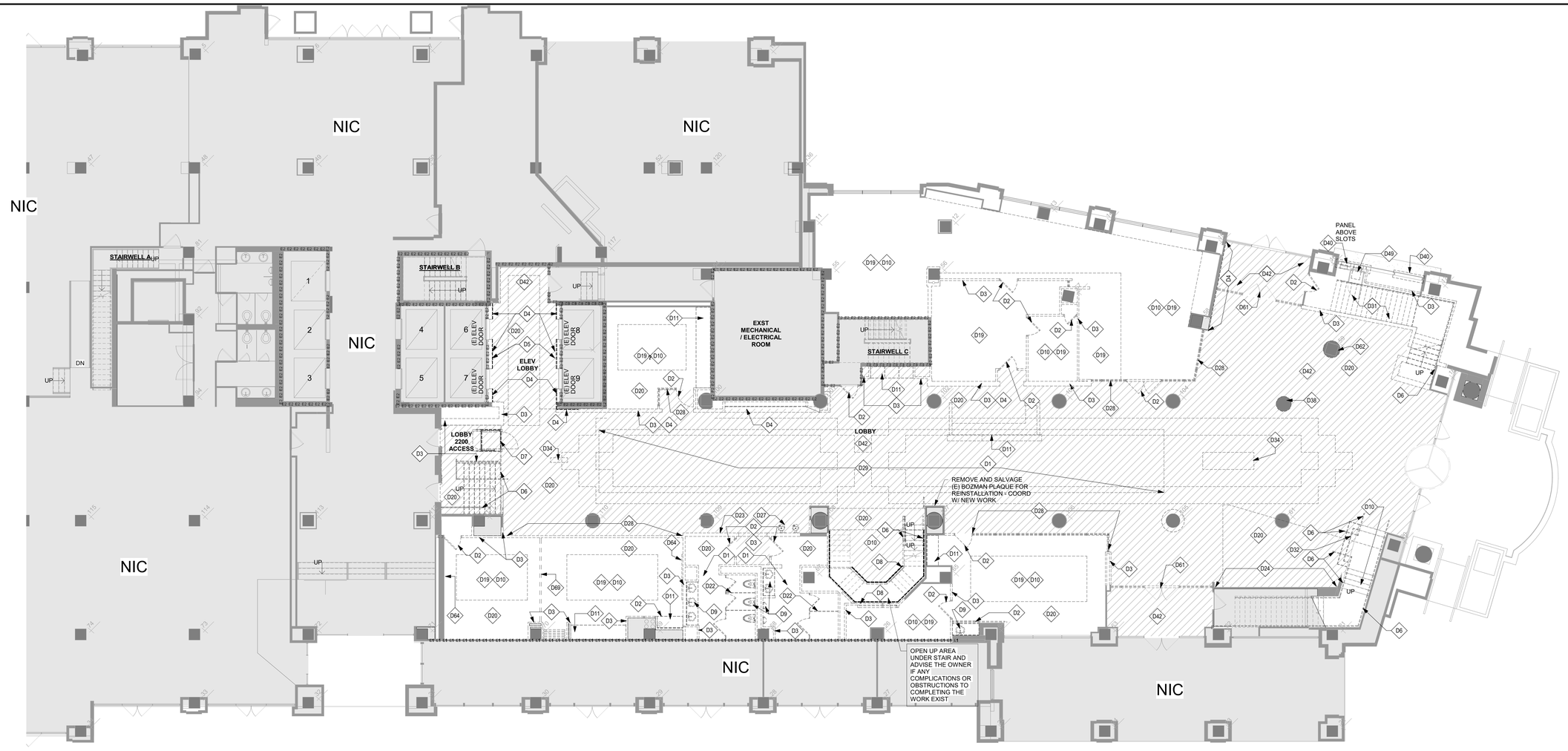

1 LEVEL 1 - DEMO
1/8" = 1'-0"

DEMOLITION LEGEND:

- KEYED DEMO NOTE
- DEMO DOOR AND FRAME
- DEMO PARTITION
- EXISTING PARTITION TO REMAIN
- EXISTING DOOR TO REMAIN
- EXISTING 2HR RATED WALLS
- AREA NOT IN PROJECT SCOPE
- REMOVE APPROXIMATELY 5,700 SF OF EXISTING 2 ½" SAND BED TERRAZZO FLOOR AND PRECAST TERRAZZO BASE AND STAIRS. PREPARE TO RECEIVE NEW TERRAZZO.

KEY PLAN

NOT TO SCALE

KEYED DEMOLITION NOTES

D1	REMOVE EXISTING CERAMIC TILE FLOORS, BASE AND WALL TILE IN ITS ENTIRETY THROUGHOUT ENTIRE ROOM (UNO). PATCH AND REPAIR SUBFLOOR AND WALLS AS REQUIRED TO PROVIDE A SMOOTH HOMOGENEOUS SURFACE READY TO RECEIVE NEW FINISHES
D2	REMOVE EXISTING DOOR, FRAME AND HARDWARE
D3	REMOVE EXISTING PARTITIONS. REMOVE ALL ELECTRICAL WIRING, CONDUIT, ETC. BACK TO NEAREST JUNCTION BOX. EXISTING STRUCTURE TO REMAIN. PATCH/REPAIR EXISTING DRYWALL TO REMAIN. PROVIDE SURFACES READY TO RECEIVE NEW FINISHES
D4	REMOVE EXISTING STONE WALL AND SUPPORT FRAMING THROUGHOUT AREA OF WORK, DO NOT DISTURB EXISTING FIRE RATED SHAFT WALL ASSEMBLY. PREP WALLS FOR NEW FINISHES
D5	REMOVE EXISTING ELEVATOR CALL BUTTONS, LANTERNS, AND FIXTURES. REMOVE EXISTING EMERGENCY TELEPHONE AND SALVAGE FOR REINSTALLATION. REFER TO ELEVATOR NOTES ON AG1.1
D6	REMOVE EXISTING HANDRAIL. PREP AREA TO RECEIVE NEW FINISH
D7	CAREFULLY REMOVE AND SALVAGE FOR REINSTALL EXISTING LIFT EQUIPMENT/CONTROLS IN ENTIRETY, AT NEW LOCATION
D8	LARGE MURAL TO BE CAREFULLY REMOVED AND TRANSFERRED TO ARLINGTON COUNTY. GC MUST USE HMB ART TRANSFER, INC. 5145 FROLICH LANE HYATTSVILLE, MD 20781 PHONE:202.439.8172 EMAIL:HMBARTTRANSFER@GMAIL.COM
D9	REMOVE EXISTING PLUMBING FIXTURE, COORDINATE WITH PLUMBING DRAWINGS
D10	REMOVE EXISTING CARPET RESILIENT BASE AND ANY GLUE RESIDUE. PATCH & REPAIR SUBFLOOR AS REQUIRED TO PROVIDE A SMOOTH HOMOGENEOUS SURFACE READY TO RECEIVE NEW FINISHES
D11	REMOVE EXISTING MILLWORK IN ITS ENTIRETY. REMOVE ELECTRICAL FIXTURES AND WIRING BACK TO NEAREST JUNCTION BOX. PREPARE EXISTING FLOOR/ WALL FINISHES TO RECEIVE SCHEDULED FINISHES
D19	REMOVE EXISTING ACT CEILING, INCLUDING ALL CEILING MOUNTED EQUIPMENT, DIFFUSERS AND LIGHTS. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR ITEMS TO BE SALVAGED AND REINSTALLED
D20	REMOVE EXISTING GWB CEILING, INCLUDING ALL CEILING MOUNTED EQUIPMENT, DIFFUSERS AND LIGHTS. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR ITEMS TO BE SALVAGED AND REINSTALLED
D22	REMOVE EXISTING TOILET PARTITION
D23	REMOVE AND SALVAGE FOR REINSTALLATION (E) AED AND SIGNAGE
D24	REMOVE EXISTING PICTURE-HANGING HARDWARE. PATCH AND REPAIR EXISTING GYPBOARD
D27	REMOVE EXISTING DRINKING FOUNTAIN. COORDINATE WITH NEW WORK PLANPLUMBING DRAWINGS
D28	REMOVE EXISTING ALUMINUM FRAME AND GLASS PARTITION. SALVAGE EXISTING ART GLASS FOR POTENTIAL RE-USE AND STORE. PROVIDE DIMENSIONS AND PATTERN TO ARCHITECT FOR POTENTIAL INTEGRATION INTO NEW WORK.
D29	REMOVE EXISTING COVE LIGHTING AT PERIMETER OF ATRIUM. SEE DETAIL 7/A8.3
D31	REMOVE EXISTING CONCRETE STAIRWAY AND SUPPORT STRUCTURE COMPLETELY. PROVIDE SURFACES READY TO RECEIVE NEW FINISHES
D32	SAWCUT & REMOVE PORTION OF CONCRETE STAIR AS REQUIRED FOR NEW CONSTRUCTION
D34	REMOVE EXISTING STONE BASE AND DIGITAL BOARD IN ITS ENTIRETY, REMOVE WIRING BACK TO NEAREST JUNCTION BOX, PATCH/REPAIR ALL THRU-FLOOR PENETRATIONS WITH CONCRETE.
D38	REMOVE EXISTING COLUMN COVER. PROVIDE SURFACES READY TO RECEIVE NEW FINISHES
D40	REMOVE THIS SECTION OF SPANDREL GLASS AND REPLACE WITH INSULATED GLASS TO MATCH EXISTING
D42	REMOVE APPROXIMATELY +/-5,700 SF OF EXISTING 2 1/2 INCH SAND BED TERRAZZO FLOOR AND PRECAST TERRAZZO BASE AND STAIRS. PREPARE TO RECEIVE NEW TERRAZZO
D49	EXISTING BOOK RETURN TO REMAIN
D61	CAREFULLY REMOVE, PROTECT, AND REINSTALL EXISTING STOREFRONT DOORS - INCLUDING DOOR OPENER AS NECESSARY FOR REMOVAL OF EXISTING AND INSTALLATION OF NEW TERRAZZO FLOOR.
D62	REMOVE EXISTING COLUMN COVER TO EXPOSE EXIST. CONC. COLUMN
D64	REMOVE EXISTING MARKER BOARD AND PREPARE WALL SURFACE TO RECEIVE NEW FINISH AS SCHEDULED
D69	EXISTING MOVABLE PARTITION AND ASSOCIATED SUPPORT FRAMING TO BE REMOVED. PATCH AND PREPARE FLOOR FOR SCHEDULED FINISH

DEMOLITION NOTES

1. WORK SHOWN ON THIS SHEET WILL NEED TO BE COMPLETED IN 2 STAGES AS BUILDING WILL REMAIN OCCUPIED AND IN USE THROUGHOUT CONSTRUCTION. SEE PHASING PLANS.
2. REMOVE EXISTING WALL COVERINGTHROUGHOUT ALL AREAS WITHIN SCOPE OF PROJECT. PREP FOR NEW FINISHES.
3. REMOVE ALL EXISTING WOOD BASE IN THE WORK AREA

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LEVEL 1 DEMOLITION PLAN

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D1.2

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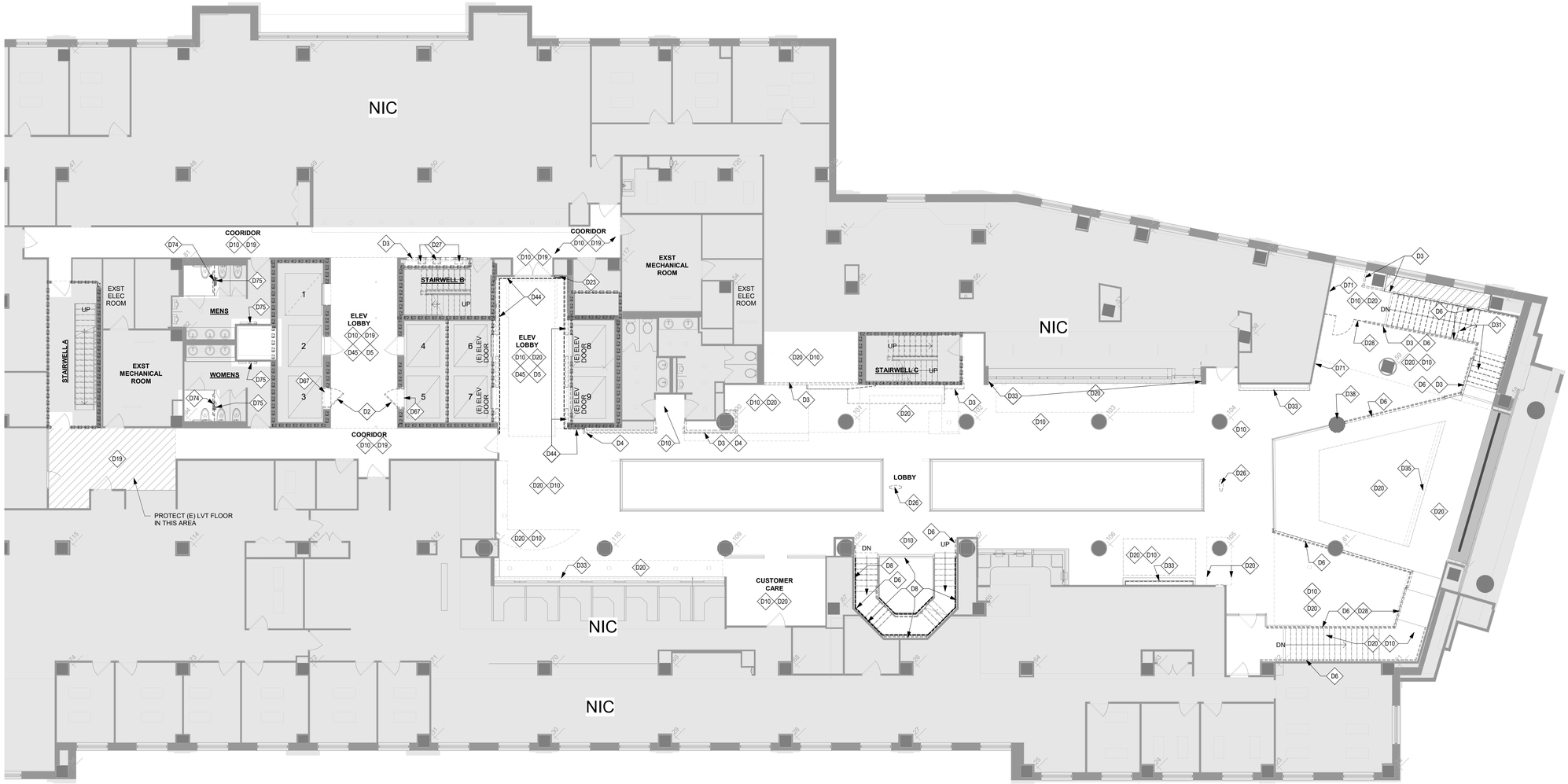

1 LEVEL 2 - DEMO
1/8" = 1'-0"

DEMOLITION LEGEND:

- D# — KEYED DEMO NOTE
- DEMO DOOR AND FRAME
- DEMO PARTITION
- EXISTING PARTITION TO REMAIN
- EXISTING DOOR TO REMAIN
- EXISTING 2HR RATED WALLS
- AREA NOT IN PROJECT SCOPE

KEY PLAN

NOT TO SCALE

KEYED DEMOLITION NOTES

D1	REMOVE EXISTING CERAMIC TILE FLOORS, BASE AND WALL TILE IN ITS ENTIRETY THROUGHOUT ENTIRE ROOM (UNO). PATCH AND REPAIR SUBFLOOR AND WALLS AS REQUIRED TO PROVIDE A SMOOTH HOMOGENEOUS SURFACE READY TO RECEIVE NEW FINISHES
D2	REMOVE EXISTING DOOR, FRAME AND HARDWARE
D3	REMOVE EXISTING PARTITIONS. REMOVE ALL ELECTRICAL WIRING, CONDUIT, ETC, BACK TO NEAREST JUNCTION BOX. EXISTING STRUCTURE TO REMAIN. PATCH/REPAIR EXISTING DRYWALL TO REMAIN. PROVIDE SURFACES READY TO RECEIVE NEW FINISHES
D4	REMOVE EXISTING STONE WALL AND SUPPORT FRAMING THROUGHOUT AREA OF WORK, DO NOT DISTURB EXISTING FIRE RATED SHAFT WALL ASSEMBLY. PREP WALLS FOR NEW FINISHES
D5	REMOVE EXISTING ELEVATOR CALL BUTTONS, LANTERNS, AND FIXTURES. REMOVE EXISTING EMERGENCY TELEPHONE AND SALVAGE FOR REINSTALLATION. REFER TO ELEVATOR NOTES ON AG1.1
D6	REMOVE EXISTING HANDRAIL. PREP AREA TO RECEIVE NEW FINISH
D8	LARGE MURAL TO BE CAREFULLY REMOVED AND TRANSFERRED TO ARLINGTON COUNTY. GC MUST USE HMB ART TRANSFER, INC. 5145 FROLICH LANE HYATTSVILLE, MD 20781 PHONE:202.439.8172 EMAIL:HMBARTTRANSFER@GMAIL.COM
D10	REMOVE EXISTING CARPET RESILIENT BASE AND ANY GLUE RESIDUE. PATCH & REPAIR SUBFLOOR AS REQUIRED TO PROVIDE A SMOOTH HOMOGENEOUS SURFACE READY TO RECEIVE NEW FINISHES
D19	REMOVE EXISTING ACT CEILING, INCLUDING ALL CEILING MOUNTED EQUIPMENT, DIFFUSERS AND LIGHTS. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR ITEMS TO BE SALVAGED AND REINSTALLED
D20	REMOVE EXISTING GWB CEILING, INCLUDING ALL CEILING MOUNTED EQUIPMENT, DIFFUSERS AND LIGHTS. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR ITEMS TO BE SALVAGED AND REINSTALLED
D23	REMOVE AND SALVAGE FOR REINSTALLATION (E) AED AND SIGNAGE
D26	REMOVE EXISTING BUILDING DIRECTORY BOARD
D27	REMOVE EXISTING DRINKING FOUNTAIN. COORDINATE WITH NEW WORK PLAN/PLUMBING DRAWINGS
D28	REMOVE EXISTING ALUMINUM FRAME AND GLASS PARTITION. SALVAGE EXISTING ART GLASS FOR POTENTIAL RE-USE AND STORE. PROVIDE DIMENSIONS AND PATTERN TO ARCHITECT FOR POTENTIAL INTEGRATION INTO NEW WORK.
D31	REMOVE EXISTING CONCRETE STAIRWAY AND SUPPORT STRUCTURE COMPLETELY. PROVIDE SURFACES READY TO RECEIVE NEW FINISHES
D33	REMOVE EXISTING FINISH AND RECONFIGURE WALL BELOW COUNTER. PREP SURFACE FOR NEW FINISH
D38	REMOVE EXISTING COLUMN COVER. PROVIDE SURFACES READY TO RECEIVE NEW FINISHES
D44	REMOVE EXISTING PLASTER AND ASSOCIATED METAL FRAMING. LEAVE EXISTING FIRE RATED ELEVATOR ENCLOSURE INTACT. PROVIDE SURFACES READY TO RECEIVE NEW FINISHES
D45	REMOVE, PROTECT, AND REINSTALL EXISTING SIGNAGE AND ARLINGTON COUNTY SIGNAGE FOR REUSE
D67	REMOVE PORTION OF EXISTING GWB AND METAL FRAMING AS REQUIRED FOR INSTALLATION OF NEW WORK. RATED ELEVATOR ASSEMBLY TO REMAIN. PATCH AND REPAIR ANY EXISTING GWB SCHEDULED TO REMAIN. SEE ELEVATOR NOTES ON AG1.1
D71	REMOVE (E) GWB FROM ON THIS SIDE ONLY FOR THE LENGTH OF THE (E) PARTITION
D74	REMOVE (E) PORTION OF TOILET PARTITION AND SALVAGE (E) MOUNTED GRAB BARS FOR REINSTALLATION
D75	REMOVE (E) RECESSED TOILET ROOM ACCESSORY

DEMOLITION NOTES

1. WORK SHOWN ON THIS SHEET WILL NEED TO BE COMPLETED IN MULTIPLE STAGES AS BUILDING WILL REMAIN OCCUPIED AND IN USE THROUGHOUT CONSTRUCTION. SEE PHASING PLANS.
2. REMOVE EXISTING WALL COVERINGTHROUGHOUT ALL AREAS WITHIN SCOPE OF PROJECT.
3. REMOVE EXISTING WOOD BASE

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LEVEL 2 DEMOLITION PLAN

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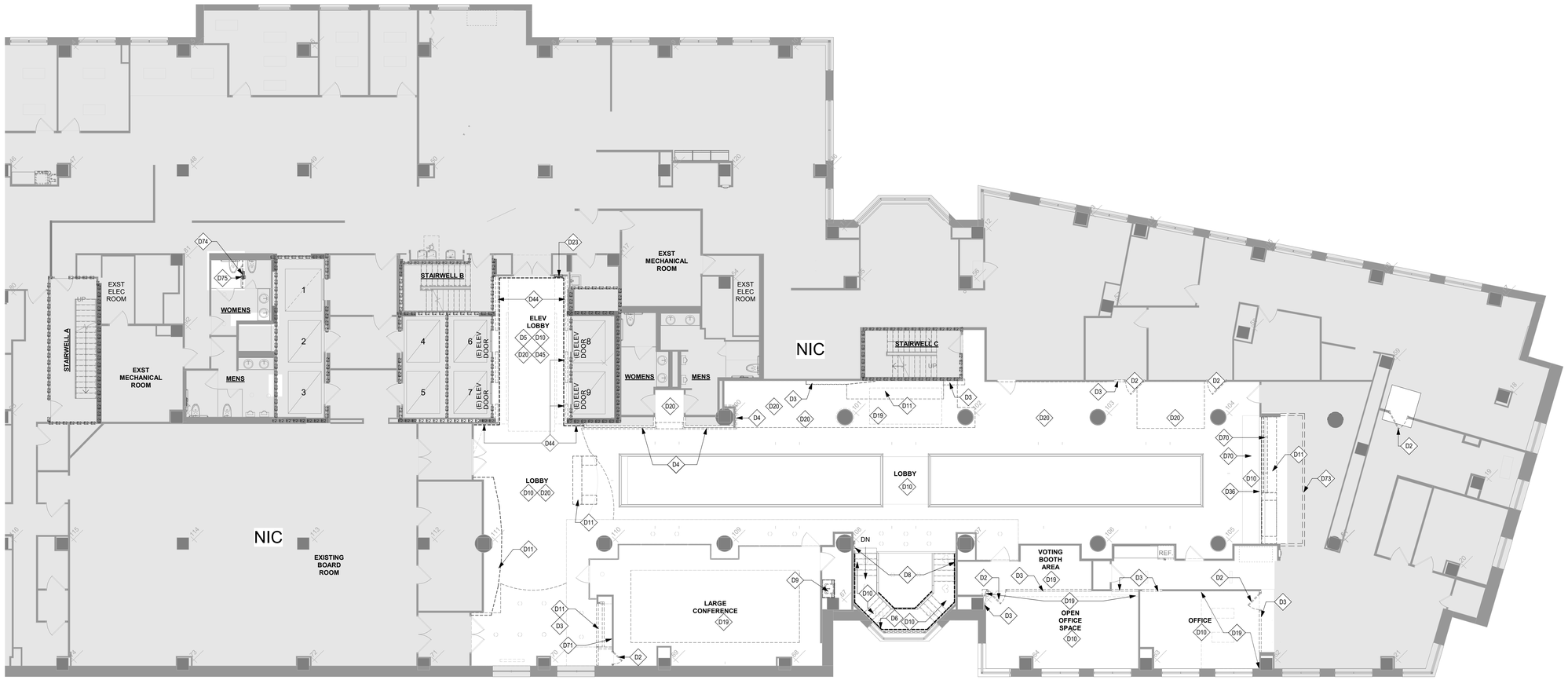

1 LEVEL 3 - DEMO
1/8" = 1'-0"

DEMOLITION LEGEND:

- KEYED DEMO NOTE
- DEMO DOOR AND FRAME
- DEMO PARTITION
- EXISTING PARTITION TO REMAIN
- EXISTING DOOR TO REMAIN
- EXISTING 2HR RATED WALLS
- AREA NOT IN PROJECT SCOPE

KEYED DEMOLITION NOTES

D2	REMOVE EXISTING DOOR, FRAME AND HARDWARE
D3	REMOVE EXISTING PARTITIONS. REMOVE ALL ELECTRICAL WIRING, CONDUIT, ETC. BACK TO NEAREST JUNCTION BOX. EXISTING STRUCTURE TO REMAIN. PATCH/REPAIR EXISTING DRYWALL TO REMAIN. PROVIDE SURFACES READY TO RECEIVE NEW FINISHES
D4	REMOVE EXISTING STONE WALL AND SUPPORT FRAMING THROUGHOUT AREA OF WORK, DO NOT DISTURB EXISTING FIRE RATED SHAFT WALL ASSEMBLY. PREP WALLS FOR NEW FINISHES
D6	REMOVE EXISTING HANDRAIL. PREP AREA TO RECEIVE NEW FINISH
D8	LARGE MURAL TO BE CAREFULLY REMOVED AND TRANSFERRED TO ARLINGTON COUNTY. GC MUST USE HMB ART TRANSFER, INC. 5145 FROLICH LANE HYATTSVILLE, MD 20781 PHONE:202.439.8172 EMAIL:HMBARTTRANSFER@GMAIL.COM
D9	REMOVE EXISTING PLUMBING FIXTURE, COORDINATE WITH PLUMBING DRAWINGS
D10	REMOVE EXISTING CARPET RESILIENT BASE AND ANY GLUE RESIDUE. PATCH & REPAIR SUBFLOOR AS REQUIRED TO PROVIDE A SMOOTH HOMOGENEOUS SURFACE READY TO RECEIVE NEW FINISHES
D11	REMOVE EXISTING MILLWORK IN ITS ENTIRETY. REMOVE ELECTRICAL FIXTURES AND WIRING BACK TO NEAREST JUNCTION BOX. PREPARE EXISTING FLOOR/ WALL FINISHES TO RECEIVE SCHEDULED FINISHES
D19	REMOVE EXISTING ACT CEILING, INCLUDING ALL CEILING MOUNTED EQUIPMENT, DIFFUSERS AND LIGHTS. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR ITEMS TO BE SALVAGED AND REINSTALLED
D20	REMOVE EXISTING GWB CEILING, INCLUDING ALL CEILING MOUNTED EQUIPMENT, DIFFUSERS AND LIGHTS. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR ITEMS TO BE SALVAGED AND REINSTALLED
D23	REMOVE AND SALVAGE FOR REINSTALLATION (E) AED AND SIGNAGE
D70	REMOVE (E) GWB SOFFIT AS REQUIRED FOR INSTALLATION OF NEW LIGHT FIXTURES - PATCH AND REPAIR TO RECEIVE PAINT
D71	REMOVE (E) GWB FROM ON THIS SIDE ONLY FOR THE LENGTH OF THE (E) PARTITION
D73	TEMP PARTITION - REF TO PHASING PLAN FOR FULL EXTENT
D74	REMOVE (E) PORTION OF TOILET PARTITION AND SALVAGE (E) MOUNTED GRAB BARS FOR REINSTALLATION
D75	REMOVE (E) RECESSED TOILET ROOM ACCESSORY

DEMOLITION NOTES

1. WORK SHOWN ON THIS SHEET WILL NEED TO BE COMPLETED IN 2 STAGES AS BUILDING WILL REMAIN OCCUPIED AND IN USE THROUGHOUT CONSTRUCTION. SEE PHASING PLANS.
2. REMOVE EXISTING WALL COVERINGTHROUGHOUT ALL AREAS WITHIN SCOPE OF PROJECT.
3. REMOVE EXISTING WOOD BASE

KEY PLAN

NOT TO SCALE

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LEVEL 3 DEMOLITION PLAN

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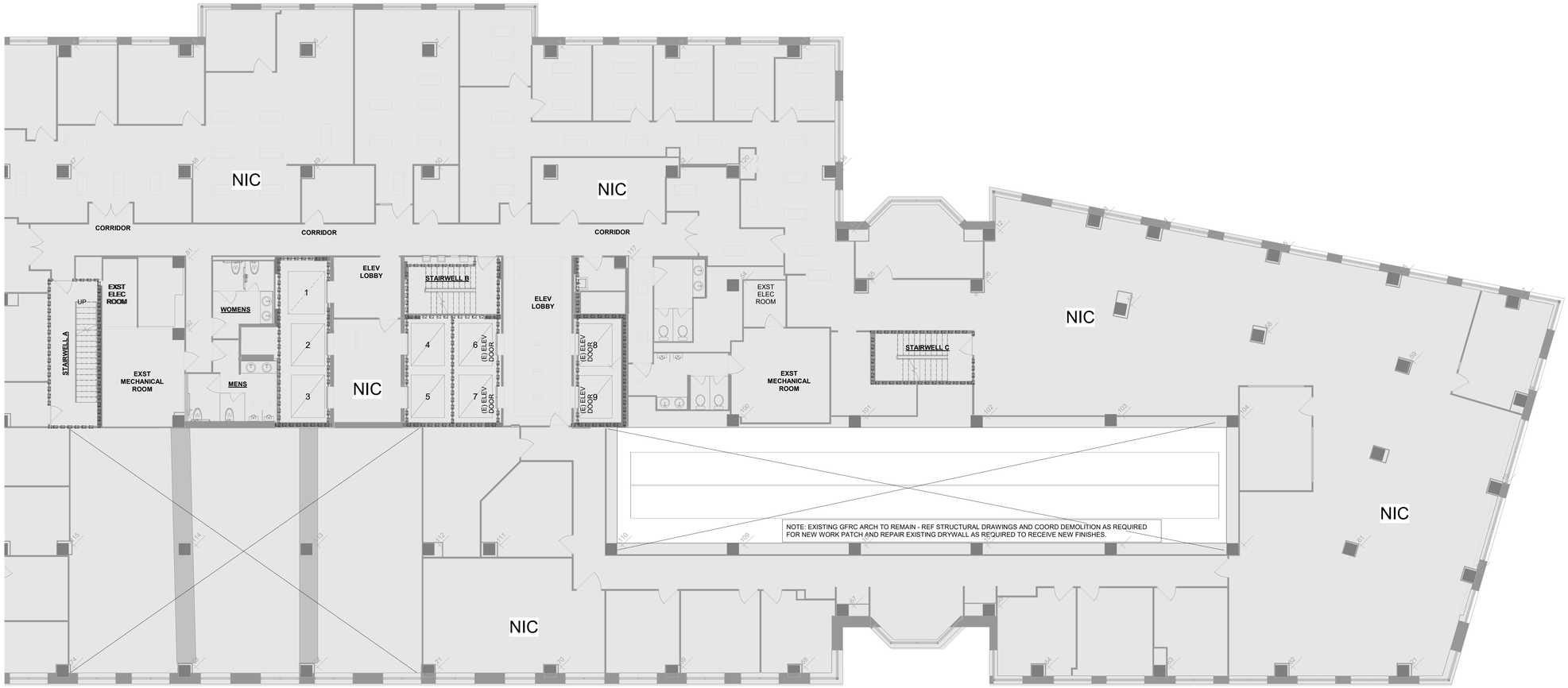

1 LEVEL 4 - DEMO
1/8" = 1'-0"

DEMOLITION LEGEND:

- KEYED DEMO NOTE
- DEMO DOOR AND FRAME
- DEMO PARTITION
- EXISTING PARTITION TO REMAIN
- EXISTING DOOR TO REMAIN
- EXISTING 2HR RATED WALLS
- AREA NOT IN PROJECT SCOPE

DEMOLITION NOTES

1. WORK SHOWN ON THIS SHEET WILL NEED TO BE COMPLETED IN 2 STAGES AS BUILDING WILL REMAIN OCCUPIED AND IN USE THROUGHOUT CONSTRUCTION. SEE PHASING PLANS.
2. REMOVE EXISTING WALL COVERINGTHROUGHOUT ALL AREAS WITHIN SCOPE OF PROJECT.

KEY PLAN

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LEVEL 4 DEMOLITION PLAN

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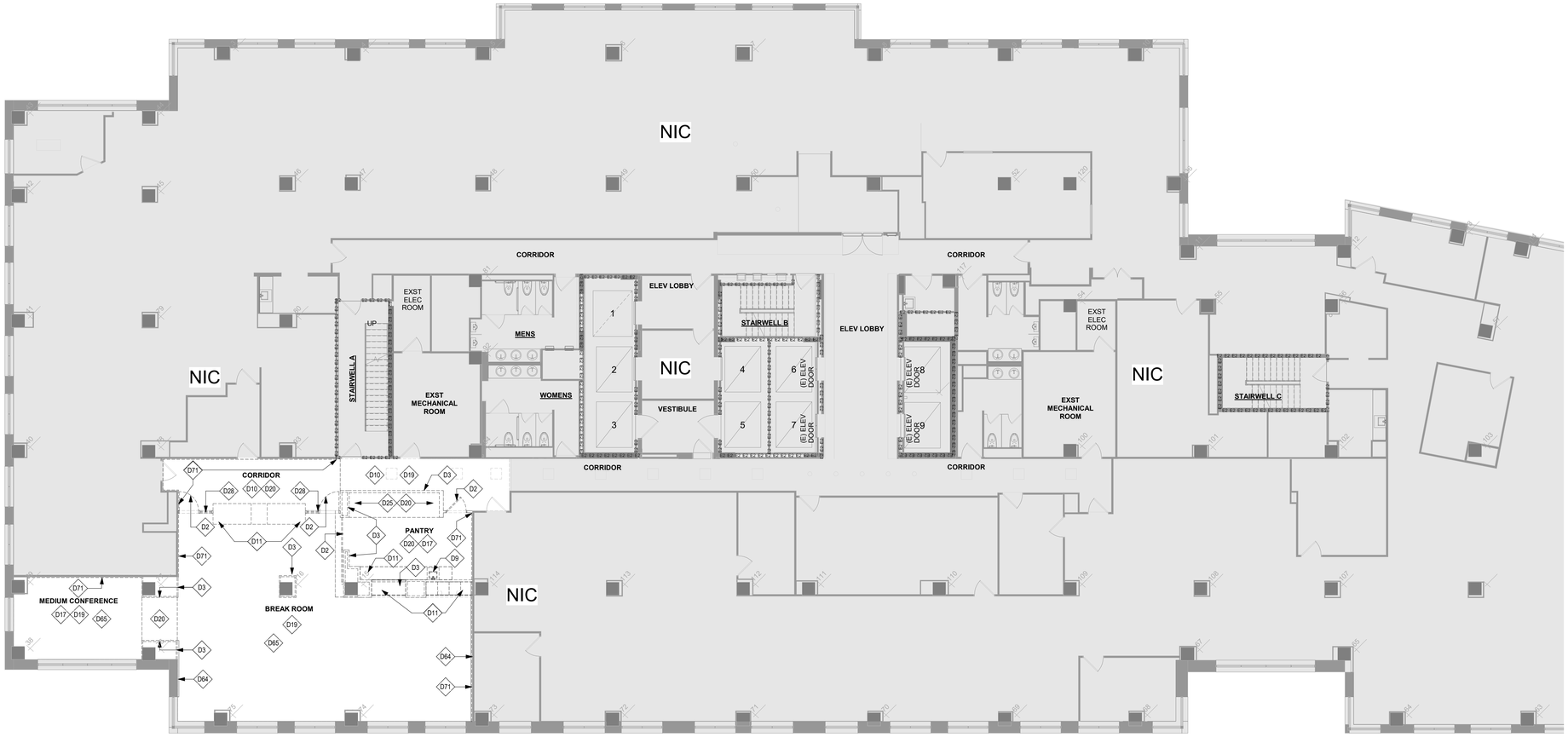

1 LEVEL 9 - DEMO
1/8" = 1'-0"

DEMOLITION LEGEND:

- KEYED DEMO NOTE
- DEMO DOOR AND FRAME
- DEMO PARTITION
- EXISTING PARTITION TO REMAIN
- EXISTING DOOR TO REMAIN
- EXISTING 2HR RATED WALLS
- AREA NOT IN PROJECT SCOPE

KEY PLAN

NOT TO SCALE

KEYED DEMOLITION NOTES

D2	REMOVE EXISTING DOOR, FRAME AND HARDWARE
D3	REMOVE EXISTING PARTITIONS. REMOVE ALL ELECTRICAL WIRING, CONDUIT, ETC. BACK TO NEAREST JUNCTION BOX. EXISTING STRUCTURE TO REMAIN. PATCH/REPAIR EXISTING DRYWALL TO REMAIN. PROVIDE SURFACES READY TO RECEIVE NEW FINISHES
D9	REMOVE EXISTING PLUMBING FIXTURE, COORDINATE WITH PLUMBING DRAWINGS
D10	REMOVE EXISTING CARPET RESILIENT BASE AND ANY GLUE RESIDUE. PATCH & REPAIR SUBFLOOR AS REQUIRED TO PROVIDE A SMOOTH HOMOGENEOUS SURFACE READY TO RECEIVE NEW FINISHES
D11	REMOVE EXISTING MILLWORK IN ITS ENTIRETY. REMOVE ELECTRICAL FIXTURES AND WIRING BACK TO NEAREST JUNCTION BOX. PREPARE EXISTING FLOOR/ WALL FINISHES TO RECEIVE SCHEDULED FINISHES
D17	REMOVE EXISTING RESILIENT/VCT AND GLUE RESIDUE. PROVIDE SURFACES READY TO RECEIVE NEW FINISHES
D19	REMOVE EXISTING ACT CEILING, INCLUDING ALL CEILING MOUNTED EQUIPMENT, DIFFUSERS AND LIGHTS. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR ITEMS TO BE SALVAGED AND REINSTALLED
D20	REMOVE EXISTING GWB CEILING, INCLUDING ALL CEILING MOUNTED EQUIPMENT, DIFFUSERS AND LIGHTS. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR ITEMS TO BE SALVAGED AND REINSTALLED
D25	REMOVE/STORE/REINSTALL EXISTING VENDING MACHINE. COORDINATE WITH BUILDING MANAGEMENT.
D28	REMOVE EXISTING ALUMINUM FRAME AND GLASS PARTITION. SALVAGE EXISTING ART GLASS FOR POTENTIAL RE-USE AND STORE. PROVIDE DIMENSIONS AND PATTERN TO ARCHITECT FOR POTENTIAL INTEGRATION INTO NEW WORK.
D64	REMOVE EXISTING MARKER BOARD AND PREPARE WALL SURFACE TO RECEIVE NEW FINISH AS SCHEDULED
D65	REMOVE EXISTING CHAIR-RAIL TRIM THROUGHOUT, PATCH/REPAIR WALL TO MATCH EXISTING
D71	REMOVE (E) GWB FROM ON THIS SIDE ONLY FOR THE LENGTH OF THE (E) PARTITION

DEMOLITION NOTES

1. WORK SHOWN ON THIS SHEET WILL NEED TO BE COMPLETED IN 2 STAGES AS BUILDING WILL REMAIN OCCUPIED AND IN USE THROUGHOUT CONSTRUCTION. SEE PHASING PLANS.
2. REMOVE EXISTING WALL COVERINGTHROUGHOUT ALL AREAS WITHIN SCOPE OF PROJECT.

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LEVEL 9 DEMOLITION PLAN

Scale **As indicated**
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D1.10

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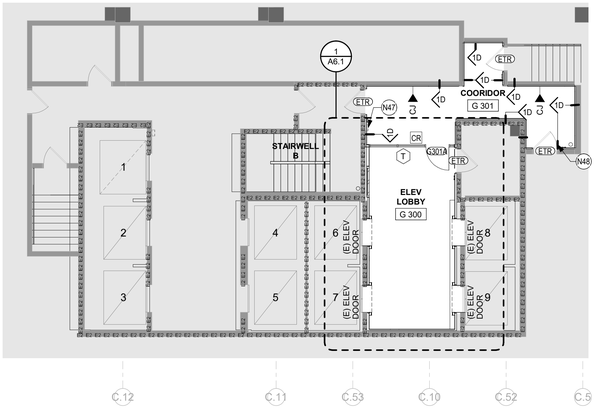
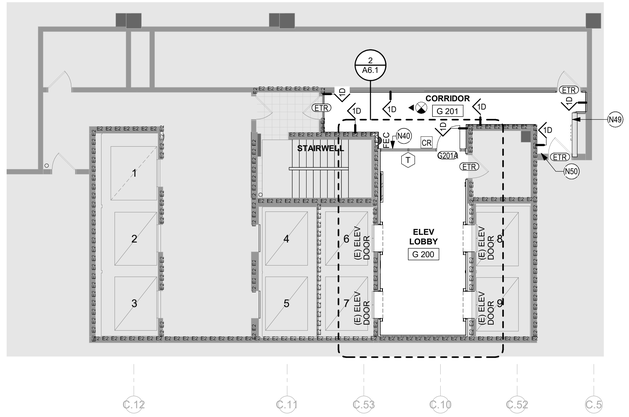
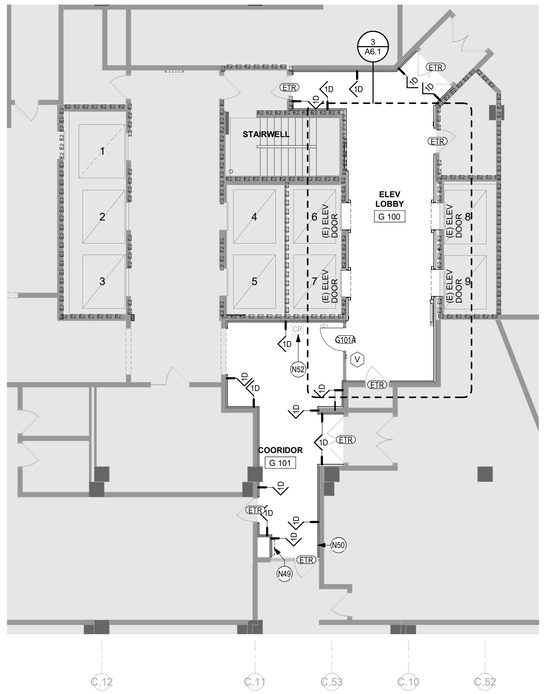


1 LEVEL G3 - FLOOR PLAN
1/8" = 1'-0"



2 LEVEL G2 - NEW WORK
1/8" = 1'-0"



3 LEVEL G1 - FLOOR PLAN
1/8" = 1'-0"

NEW WORK LEGEND:

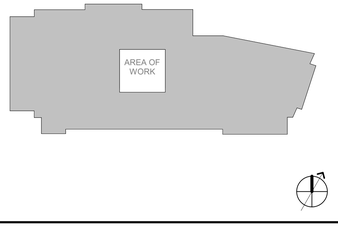
- KEYED NEW WORK NOTE
- (E) DOOR TO REMAIN
- NEW DOOR AND FRAME
- NEW DOOR, FRAME, AND SIDE LITE
- NEW PARTITION
- (E) PARTITION
- AREA NOT IN PROJECT SCOPE
- DIMENSION FROM FACE OF FINISH
- PARTITION TAG
- WINDOW TAG
- SPECIALTY EQUIPMENT TAG
- CARD READER (EXISTING)
- CARD READER

KEYED WORK NOTES

N40	PROVIDE TYPE 1A BULKHEAD ABOVE CURTAIN WALL ASSEMBLY, TYP
N47	REINSTALL FIRE EXTINGUISHER CABINET AFTER NEW WALL FINISHES ARE INSTALLED
N48	EXISTING STANDPIPE TO REMAIN
N49	EXISTING ACCESS PANELS AND HOSE REEL CABINET TO REMAIN
N50	REINSTALL EXISTING DOOR CONTROLS
N52	REINSTALL (E) SALVAGED CARD READER ON NEW PARTITION

KEY PLAN

NOT TO SCALE



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G1, G2, G3 FLOOR PLANS

Scale **1/8" = 1'-0"**
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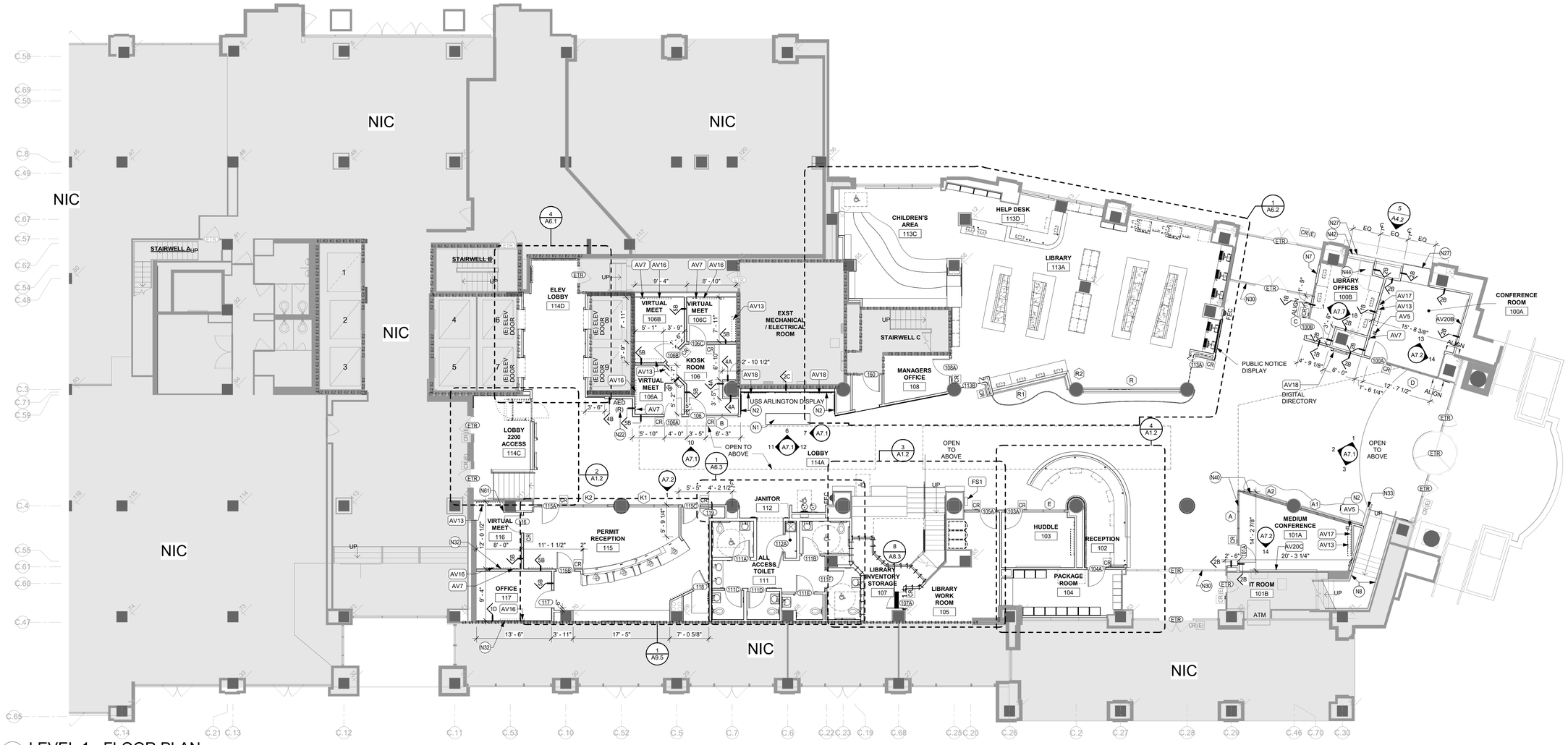


1 LEVEL 1 - FLOOR PLAN
1/8" = 1'-0"

NEW WORK LEGEND:

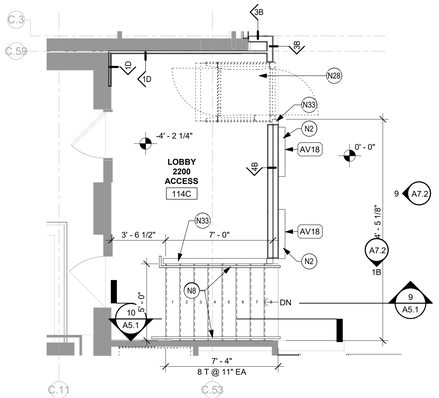
- N8 — KEYED NEW WORK NOTE
- (E) DOOR TO REMAIN
- NEW DOOR AND FRAME
- NEW DOOR, FRAME, AND SIDE LITE
- NEW PARTITION
- (E) PARTITION
- AREA NOT IN PROJECT SCOPE
- DIMENSION FROM FACE OF FINISH
- XXXX — PARTITION TAG
- 1t — WINDOW TAG
- 1i — SPECIALTY EQUIPMENT TAG
- CR (E) — CARD READER (EXISTING)
- CR — CARD READER

KEYED WORK NOTES

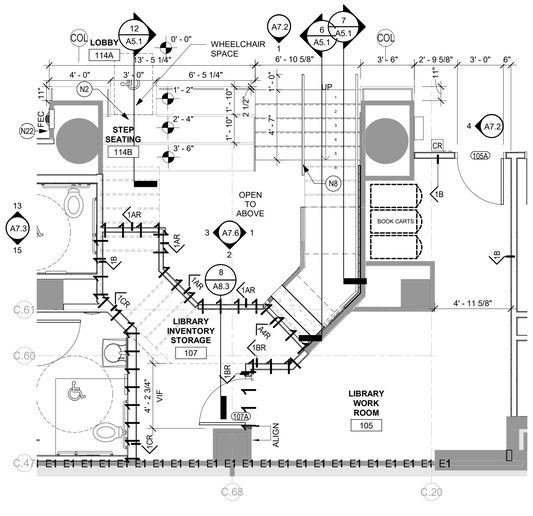
N1	SHIP MODEL CASE - REF ELEVATIONS
N2	MILLWORK - REF ELEVATIONS
N7	IN-FILL EXISTING OPENING W/ METAL STUDS @ 16" OC, SOUND INSULATION AND GWB TO MATCH EXISTING THICKNESS.
N8	STAINLESS STEEL HANDRAIL
N10	METAL PANEL WITH CUSTOM GRAPHIC - REF ELEVATIONS
N22	REINSTALL SALVAGED AED AND SIGNAGE
N27	MODIFY EXISTING EXTERIOR GLASS - REFER TO ELEVATION.
N28	REINSTALL SALVAGED PLATFORM LIFT. LOCATE AS CLOSE AS POSSIBLE TO ADJACENT WALL
N32	PROVIDE FRT PLYWOOD BLOCKING AT LOCATION OF DIGITAL DISPLAY
N33	PONY WALL WITH SOLID SURFACE CAP - REF TO DETAIL 6/A8.4
N34	PROVIDE BLACK OPAQUE FILM ON INSIDE OF EXISTING WINDOWS PRIOR TO INSTALLATION OF NEW WALL
N40	PROVIDE TYPE 1A BULKHEAD ABOVE CURTAIN WALL ASSEMBLY, TYP
N42	EXISTING CHECK DEPOSITORY TO REMAIN
N44	EXISTING BOOK RETURN TO REMAIN
N61	PATCH & REPAIR EXISTING GYPSUM BOARD IN THE AREA OF DEMOLITION WORK.

KEY PLAN

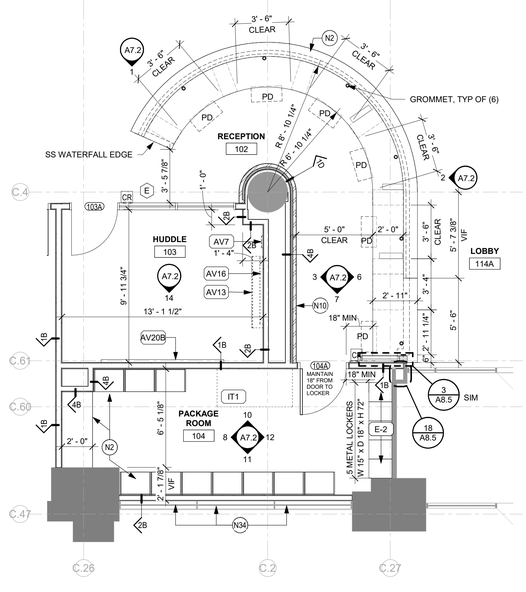
NOT TO SCALE



2 LOBBY 2200 ACCESS
1/4" = 1'-0"



3 STAIR 10 - PLATFORM SEATING ENLARGED PLAN
1/4" = 1'-0"



4 102 RECEPTION DESK
1/4" = 1'-0"

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LEVEL 1 FLOOR PLAN

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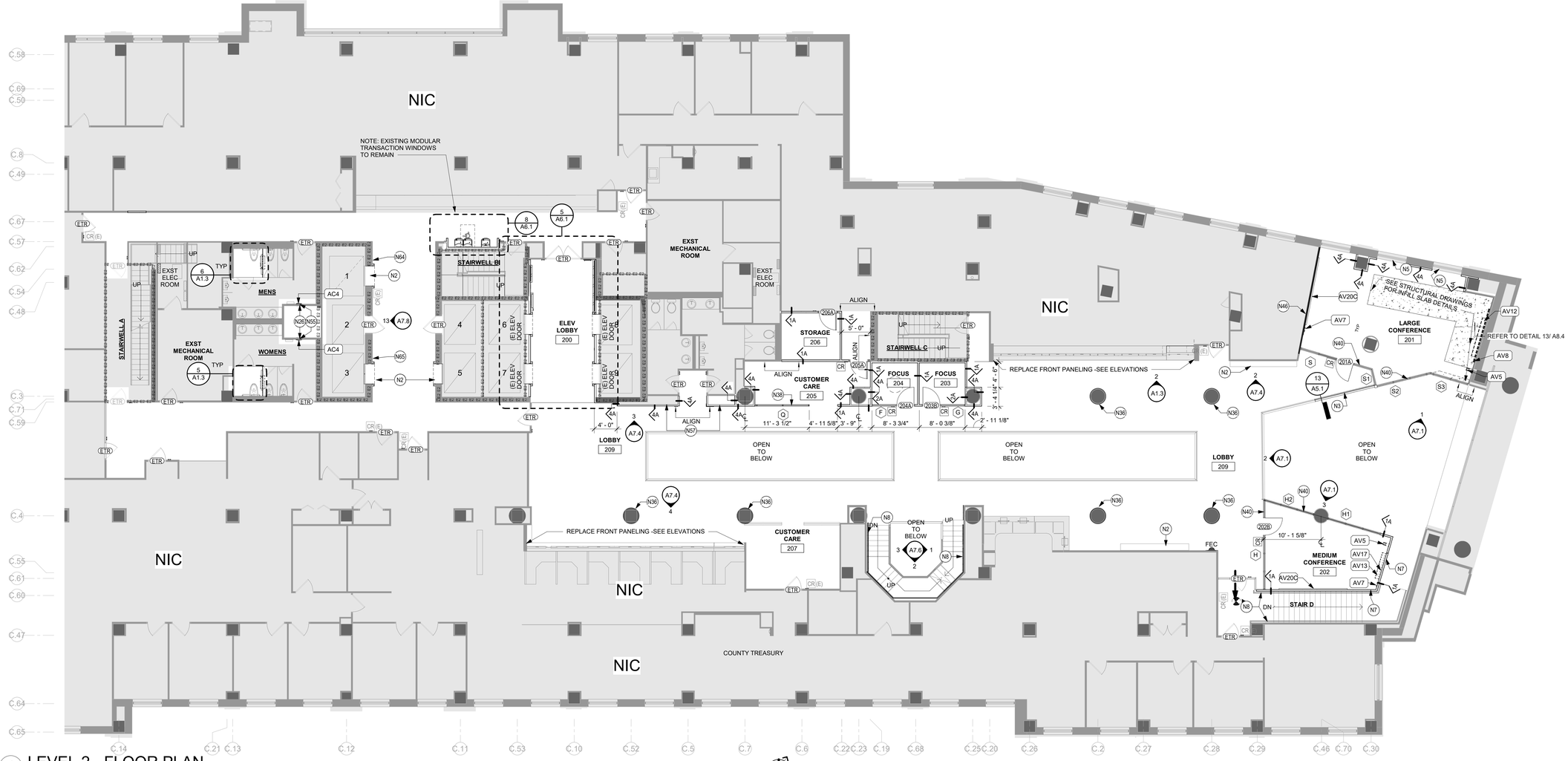


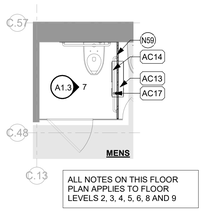
1 LEVEL 2 - FLOOR PLAN
1/8" = 1'-0"

NEW WORK LEGEND:

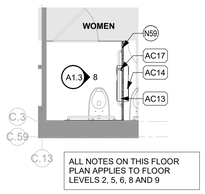
- N# — KEYED NEW WORK NOTE
- (E) DOOR TO REMAIN
- NEW DOOR AND FRAME
- NEW DOOR, FRAME, AND SIDE LITE
- NEW PARTITION
- (E) PARTITION
- AREA NOT IN PROJECT SCOPE
- DIMENSION FROM FACE OF FINISH
- XXX — PARTITION TAG
- 1t — WINDOW TAG
- 1i — SPECIALTY EQUIPMENT TAG
- CR (E) — CARD READER (EXISTING)
- CR — CARD READER

KEYED WORK NOTES

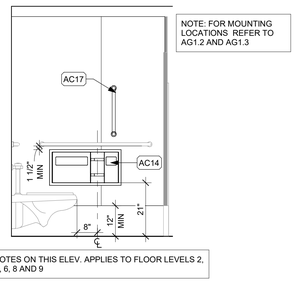
N2	MILLWORK - REF ELEVATIONS
N3	GLASS RAILING AND STAINLESS STEEL HANDRAIL TO MATCH EXISTING
N5	METAL SILL TO MATCH EXISTING
N7	IN-FILL EXISTING OPENING W/ METAL STUDS @ 16" OC, SOUND INSULATION AND GWB TO MATCH EXISTING THICKNESS.
N8	STAINLESS STEEL HANDRAIL
N26	PROVIDE BLOCKING AS REQUIRED IN (E) PARTITION FOR WALL MOUNTED TOILET ACCESSORIES, WALL CABINETS AND SPECIALTY EQUIPMENT. PATCH PARTITION TO MATCH (E) ADJACENT MATERIAL AND FINISH.
N36	COLUMN WRAP - SEE DETAIL
N38	36" STEEL TUBE REINFORCED KNEE WALL WITH GLASS ABOVE
N40	PROVIDE TYPE 1A BULKHEAD ABOVE CURTAIN WALL ASSEMBLY, TYP
N46	EXTEND EXISTING METAL STUDS TO BOTTOM OF CONCRETE DECK AND INSTALL SOUND BATTS AND SINGLE LAYER OF GWB TO EXISTING EXPOSED STUDS - EXTEND STUDS TO BTM OF SLAB. INSTALL SOUND INSULATION AND GWB FROM FLOOR TO BTM OF SLAB
N55	ACCESSORY TO BE LOCATED OVER EXISTING TRASH CAN THAT IS BEING REMOVED. PATCH OPENING FROM PREVIOUS RECESSED TRASH RECEPTACLE WITH METAL FRAMING AND GWB FLUSH WITH ADJACENT TILE. PAINT TO MATCH TILE.
N57	ALIGN WALL WITH PREVIOUS WALL LOCATION
N59	TOILET PARTITION TO MATCH EXISTING. INSTALL SALVAGED GRAB BAR
N64	REPLACE EXISTING LANTERN AND CALL BUTTONS.
N65	EXISTING LANTERN AND CALL BUTTONS TO REMAIN.



6 TYP TOILET COMPARTMENT
1/4" = 1'-0"



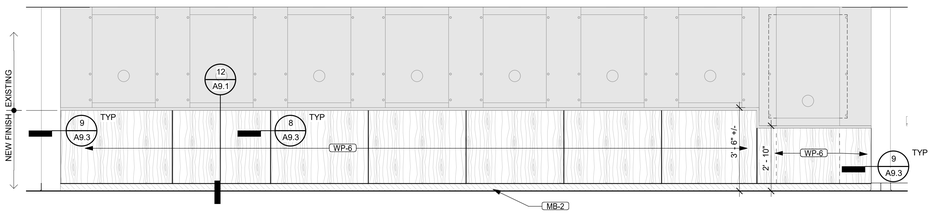
5 TYP TOILET COMPARTMENT
1/4" = 1'-0"



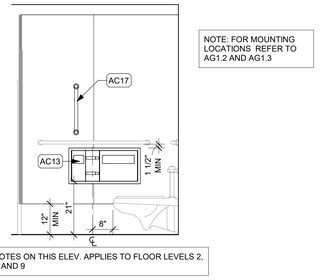
7 TOILET COMPARTMENT
1/2" = 1'-0"

KEY PLAN

NOT TO SCALE



2 DMV WINDOW (LOBBY SIDE)
3/8" = 1'-0"



8 TOILET COMPARTMENT
1/2" = 1'-0"

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LEVEL 2 FLOOR PLAN

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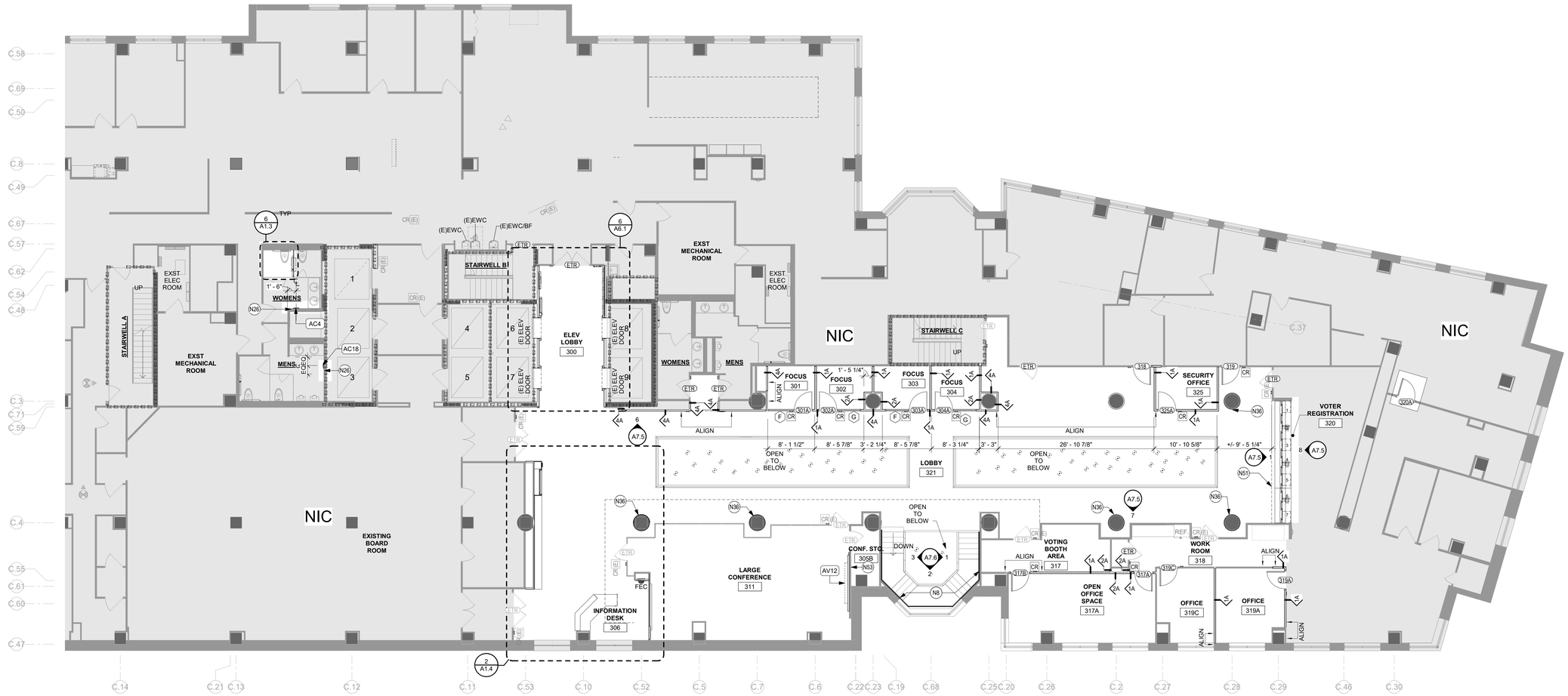


1 LEVEL 3 FLOOR PLAN

1/8" = 1'-0"

NEW WORK LEGEND:

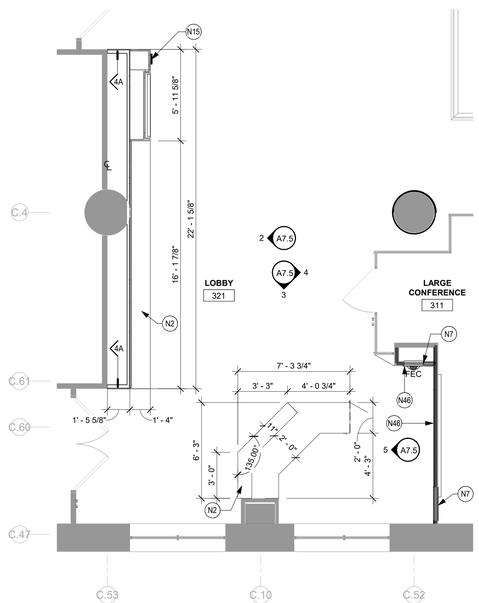
- N# — KEYED NEW WORK NOTE
- (E) DOOR TO REMAIN
- NEW DOOR AND FRAME
- NEW DOOR, FRAME, AND SIDE LITE
- NEW PARTITION
- (E) PARTITION
- AREA NOT IN PROJECT SCOPE
- DIMENSION FROM FACE OF FINISH
- XXX — PARTITION TAG
- 11 — WINDOW TAG
- 1i — SPECIALTY EQUIPMENT TAG
- CR (E) — CARD READER (EXISTING)
- CR — CARD READER

KEYED WORK NOTES

N2	MILLWORK - REF ELEVATIONS
N7	IN-FILL EXISTING OPENING W/ METAL STUDS @ 16" OC, SOUND INSULATION AND GWB TO MATCH EXISTING THICKNESS.
N8	STAINLESS STEEL HANDRAIL
N15	RAISED "WOOD-LOOK" WALL PROTECTION PANEL - REF ELEVATIONS
N26	PROVIDE BLOCKING AS REQUIRED IN (E) PARTITION FOR WALL MOUNTED TOILET ACCESSORIES, WALL CABINETS AND SPECIALTY EQUIPMENT. PATCH PARTITION TO MATCH (E) ADJACENT MATERIAL AND FINISH.
N36	COLUMN WRAP - SEE DETAIL
N46	EXTEND EXISTING METAL STUDS TO BOTTOM OF CONCRETE DECK AND INSTALL SOUND BATTS AND SINGLE LAYER OF GWB TO EXISTING EXPOSED STUDS - EXTEND STUDS TO BTM OF SLAB. INSTALL SOUND INSULATION AND GWB FROM FLOOR TO BTM OF SLAB
N51	EXISTING SECURITY GRILL TO REMAIN
N53	PROVIDE ACCESS DOOR - CAP PLUMBING IN WALL - PATCH AND REPAIR PARTITION AS REQ'D

KEY PLAN

NOT TO SCALE



2 BOARD ROOM DISPLAY AND INFORMATION DESK

1/4" = 1'-0"

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LEVEL 3 FLOOR PLAN

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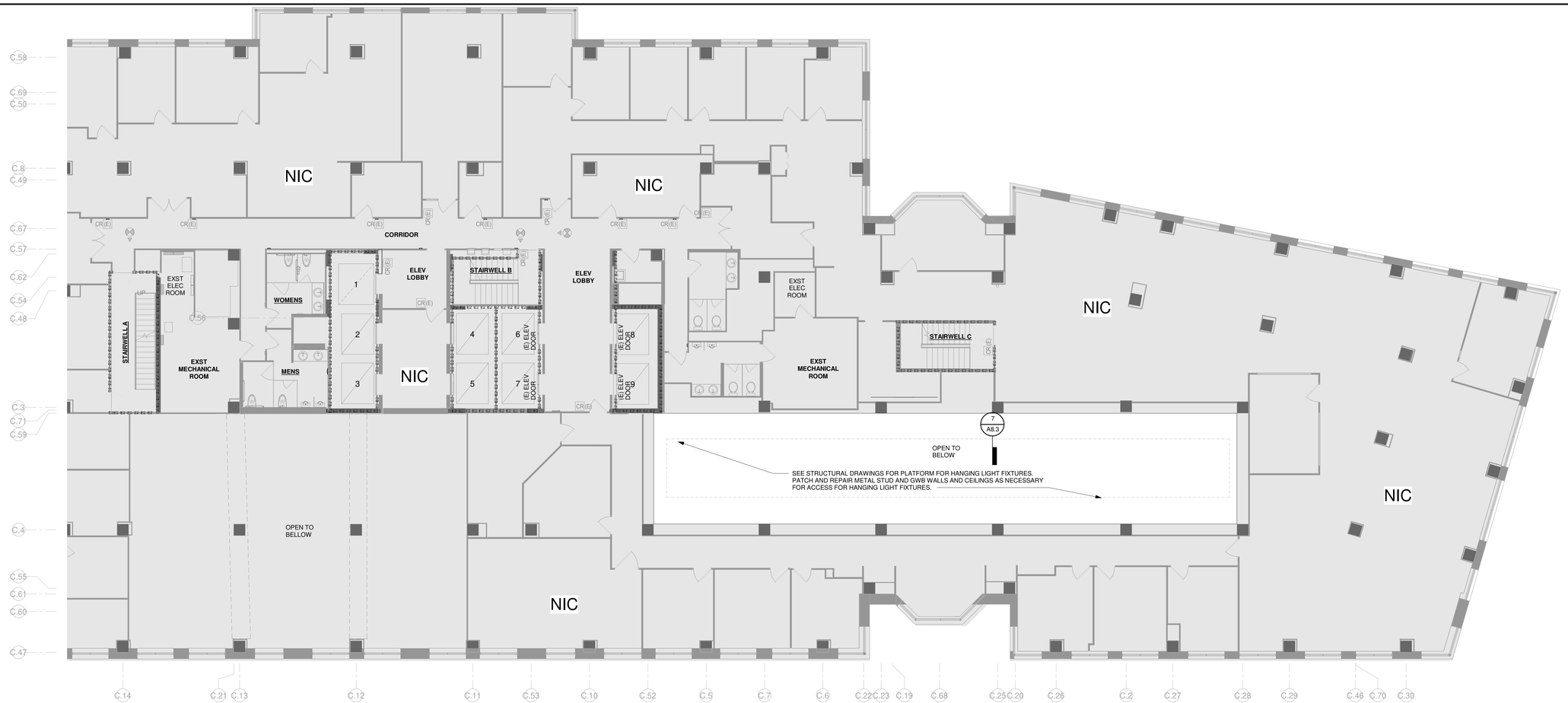

1 LEVEL 4 - FLOOR PLAN
1/8" = 1'-0"

NEW WORK LEGEND:

- KEYED NEW WORK NOTE
- (E) DOOR TO REMAIN
- NEW DOOR AND FRAME
- NEW DOOR, FRAME, AND SIDE LITE
- NEW PARTITION
- (E) PARTITION
- AREA NOT IN PROJECT SCOPE
- DIMENSION FROM FACE OF FINISH
- PARTITION TAG
- WINDOW TAG
- SPECIALTY EQUIPMENT TAG
- CARD READER (EXISTING)
- CARD READER

KEYED WORK NOTES

KEY PLAN

NOT TO SCALE

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LEVEL 4 FLOOR PLAN

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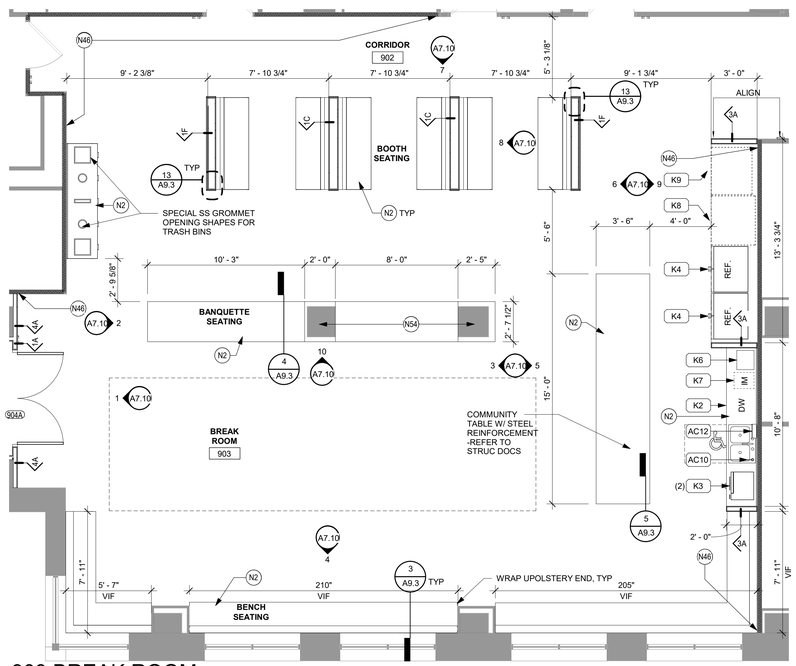
1 LEVEL 9 - NEW WORK
1/8" = 1'-0"



2 903 BREAK ROOM
1/4" = 1'-0"

KEYED WORK NOTES

N2	MILLWORK - REF ELEVATIONS
N26	PROVIDE BLOCKING AS REQUIRED IN (E) PARTITION FOR WALL MOUNTED TOILET ACCESSORIES, WALL CABINETS AND SPECIALTY EQUIPMENT. PATCH PARTITION TO MATCH (E) ADJACENT MATERIAL AND FINISH.
N46	EXTEND EXISTING METAL STUDS TO BOTTOM OF CONCRETE DECK AND INSTALL SOUND BATTS AND SINGLE LAYER OF GWB TO EXISTING EXPOSED STUDS - EXTEND STUDS TO BTM OF SLAB. INSTALL SOUND INSULATION AND GWB FROM FLOOR TO BTM OF SLAB
N54	GRIND DOWN AND SKIM COAT EXPOSED EXISTING CONCRETE COLUMNS

PLAN NOTES:

- REFER SHEET AG1.3 FOR EQUIPMENT SCHEDULE
- 1i SPECIALTY EQUIPMENT TAG
- REFER SHEET F0.2.1 FOR FINISH SCHEDULE
- 1i REF SHEET A2.3 FOR GLAZING ELEVATION

NEW WORK LEGEND:

- N# KEYED NEW WORK NOTE
- (E) DOOR TO REMAIN
- NEW DOOR AND FRAME
- NEW DOOR, FRAME, AND SIDE LITE
- NEW PARTITION
- (E) PARTITION
- AREA NOT IN PROJECT SCOPE
- DIMENSION FROM FACE OF FINISH
- XXXX PARTITION TAG
- 1t WINDOW TAG
- 1i SPECIALTY EQUIPMENT TAG
- CR (E) CARD READER (EXISTING)
- CR CARD READER

KEY PLAN

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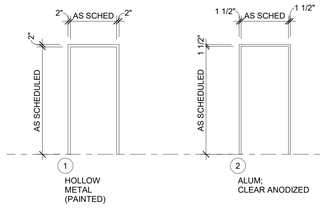
SCHEDULES - DOOR SCHEDULE

DOOR									FRAME					MISCELLANEOUS		
DESCRIPTION			SIZE													
NO	ROOM NAME	#	W	H	T	TYPE	MATERIAL	FINISH	FRAME TYPE / ELEVATION	MATERIAL	FINISH	JB	HD	HDWR SET	FIRE RATING	REMARKS
LEVEL G3																
G301A	ELEV LOBBY	1	3' - 0"	6' - 11 1/2"	1 3/4"	B	GLASS / AL	CAF	T/A2.3	AL	CAF	6/A2.4 & 8/A2.4	9/A2.4	14	-	CARD READER
LEVEL G2																
G201A	CORRIDOR	1	3' - 0"	6' - 11 1/2"	1 3/4"	B	GLASS / AL	CAF	T/A2.3	AL	CAF	6/A2.4 & 8/A2.4	9/A2.4	14.1	-	CARD READER. PROVIDE AUTOMATIC DOOR OPENER
LEVEL G1																
G101A	COORIDOR	1	3' - 0"	7' - 0"	1 3/4"	B	GLASS / AL	CAF	V/A2.3	AL	CAF	6/A2.4 & 8/A2.4	9/A2.4	14.2	-	CARD READER. PROVIDE AUTOMATIC DOOR OPENER
LEVEL 1																
100A	CONFERENCE ROOM	1	3' - 0"	8' - 6 1/2"	1 3/4"	B	GLASS / AL	CAF	D/A2.3	AL	CAF	6/A2.4 & 8/A2.4	9/A2.4	2	-	CARD READER
100B	LIBRARY OFFICES	1	3' - 0"	8' - 6 1/2"	1 3/4"	B	GLASS / AL	CAF	C/A2.3	AL	CAF	6/A2.4 & 8/A2.4	9/A2.4	1	-	CARD READER. PROVIDE PRIVACY FILM
101A	MEDIUM CONFERENCE	1	3' - 0"	8' - 6 1/2"	1 3/4"	B	GLASS / AL	CAF	A/A2.3	AL	CAF	6/A2.4 & 8/A2.4	9/A2.4	2	-	CARD READER
103A	HUDDLE	1	3' - 0"	8' - 6 1/2"	1 3/4"	B	GLASS / AL	CAF	E/A2.3	AL	CAF	6/A2.4 & 8/A2.4	9/A2.4	2	-	CARD READER
104A	RECEPTION	1	3' - 0"	8' - 6"	1 3/4"	A	SCWD	S	1	HM	P	2/A2.4 SIM	2/A2.4	3.1	-	CARD READER
105A	LIBRARY WORK ROOM	1	3' - 0"	8' - 6 1/2"	1 3/4"	A	SCWD	S	2	AL	CAF	2/A2.4 SIM	2/A2.4	3.1	-	CARD READER
106	KIOSK ROOM	1	3' - 0"	8' - 6 1/2"	1 3/4"	B	GLASS / AL	CAF	B/A2.3	AL	CAF	6/A2.4 & 8/A2.4	9/A2.4	2	-	CARD READER
106A	VIRTUAL MEET	1	3' - 0"	8' - 6 1/2"	1 3/4"	B	GLASS / AL	CAF	2	AL	CAF	3/A2.4 & 6/A2.4	9/A2.4	2	-	CARD READER
106B	VIRTUAL MEET	1	3' - 0"	8' - 6 1/2"	1 3/4"	B	GLASS / AL	CAF	2	AL	CAF	3/A2.4 & 6/A2.4	9/A2.4	2	-	CARD READER
106C	VIRTUAL MEET	1	3' - 0"	8' - 6 1/2"	1 3/4"	B	GLASS / AL	CAF	2	AL	CAF	3/A2.4 & 6/A2.4	9/A2.4	2	-	CARD READER
107A	LIBRARY INVENTORY STORAGE	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	P	1	HM	P	2/A2.4 SIM	2/A2.4	4	45 MIN	CARD READER
108A	MANAGERS OFFICE	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	S	1	HM	P	2/A2.4 SIM	2/A2.4	4	-	CARD READER
111A	TOILET ROOM A	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	S	1	HM	P	2/A2.4 SIM	2/A2.4	5	-	3/4" UNDERCUT
111B	TOILET ROOM B	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	S	1	HM	P	2/A2.4 SIM	2/A2.4	5	-	3/4" UNDERCUT
111C	TOILET ROOM C	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	S	1	HM	P	2/A2.4 SIM	2/A2.4	5	-	3/4" UNDERCUT
111D	TOILET ROOM D	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	S	1	HM	P	2/A2.4 SIM	2/A2.4	5	-	3/4" UNDERCUT
111E	TOILET ROOM E	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	S	1	HM	P	2/A2.4 SIM	2/A2.4	5.1	-	3/4" UNDERCUT
111F	TOILET ROOM F	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	S	1	HM	P	2/A2.4 SIM	2/A2.4	5	-	3/4" UNDERCUT
112A	ALL ACCESS TOILET	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	S	1	HM	P	2/A2.4 SIM	2/A2.4	6	-	3/4" UNDERCUT
113A	LIBRARY	1	0' - 10"	9' - 9"	3/4"	E / F	-	PLAM	-	-	PLAM	4/A6.2	4/A6.2 SIM	13.1	-	SIDE FOLDING SECURITY DOOR WITH POCKET DOOR. CARD READER WITH MAG LOCK AND KEY LOCK
113B	LIBRARY	1	0' - 10"	9' - 9"	3/4"	E / F	-	PLAM	-	-	PLAM	4/A6.2	4/A6.2 SIM	13.1	-	SIDE FOLDING SECURITY DOOR WITH POCKET DOOR. CARD READER WITH MAG LOCK AND KEY LOCK. DOOR TO HAVE 3'-0" WIDE SWINGING DOOR INTEGRATED INTO SIDE-SIDE FOLDING SYSTEM.
115A	PERMIT RECEPTION	1	3' - 0"	8' - 6 1/2"	1 3/4"	B	GLASS/ALUM	CAF	K2/A2.3	AL	CAF	6/A2.4 & 8/A2.4	9/A2.4	2	-	CARD READER
115B	RECEPTION	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	S	2	AL	CAF	2/A2.4 SIM	2/A2.4	2.1	-	CARD READER
115C	RECEPTION	1	3' - 0"	8' - 6 1/2"	1 3/4"	A	SCWD	S	1	AL	CAF	3/A2.4 & 6/A2.4	9/A2.4	2	-	CARD READER
116	VIRTUAL MEET	1	3' - 0"	8' - 6 1/2"	1 3/4"	B	GLASS / AL	CAF	2	AL	CAF	3/A2.4 & 6/A2.4	9/A2.4	2	-	CARD READER
117	OFFICE	1	3' - 0"	7' - 0"	1 3/4"	B	SCWD	P	1	HM	P	2/A2.4 SIM	2/A2.4	11.1	-	
118	SUPPLIES	1	2' - 6"	7' - 0"	1 3/4"	A	SCWD	P	1	HM	P	2/A2.4 SIM	2/A2.4	15	-	
119	CLOSET	1	1' - 7"	7' - 0"	1 1/2"	A	SCWD	P	1	HM	P	2/A2.4 SIM	2/A2.4	15	-	
160	STAIRWELL C	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	S	1	HM	P	2/A2.4 SIM	2/A2.4	10	1.5 Hr	NEW DOOR AND FRAME IN EXISTING OPENING
LEVEL 2																
201A	LARGE CONFERENCE	1	3' - 0"	7' - 10 1/2"	1 3/4"	B	GLASS / AL	CAF	S/A2.3	AL	CAF	8/A2.4	9/A2.4	2.1	-	CARD READER
202B	MEDIUM CONFERENCE	1	3' - 0"	7' - 10 1/2"	1 3/4"	B	GLASS / AL	CAF	H/A2.3	AL	CAF	8/A2.4	9/A2.4	2	-	CARD READER
203B	FOCUS	1	3' - 0"	7' - 10 1/2"	1 3/4"	B	GLASS / AL	CAF	G/A2.3	AL	CAF	6/A2.4 & 8/A2.4	9/A2.4	2	-	CARD READER
204A	FOCUS	1	3' - 0"	7' - 10 1/2"	1 3/4"	B	GLASS / AL	CAF	F/A2.3	AL	CAF	6/A2.4 & 8/A2.4	9/A2.4	2	-	CARD READER
205A	CUSTOMER CARE	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	S	1	HM	P	2/A2.4 SIM	2/A2.4	7	-	CARD READER
206A	STORAGE	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	P	1	HM	P	2/A2.4 SIM	2/A2.4	8	-	
LEVEL 3																
301A	FOCUS	1	3' - 0"	7' - 10 1/2"	1 3/4"	B	GLASS / AL	CAF	F/A2.3	AL	CAF	6/A2.4 & 8/A2.4	9/A2.4	2	-	CARD READER
302A	FOCUS	1	3' - 0"	7' - 10 1/2"	1 3/4"	B	GLASS / AL	CAF	G/A2.3	AL	CAF	6/A2.4 & 8/A2.4	9/A2.4	2	-	CARD READER
303A	FOCUS	1	3' - 0"	7' - 10 1/2"	1 3/4"	B	GLASS / AL	CAF	F/A2.3	AL	CAF	6/A2.4 & 8/A2.4	9/A2.4	2	-	CARD READER
304A	FOCUS	1	3' - 0"	7' - 10 1/2"	1 3/4"	B	GLASS / AL	CAF	G/A2.3	AL	CAF	6/A2.4 & 8/A2.4	9/A2.4	2	-	CARD READER
317A	WORK ROOM	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	P	1	HM	P	2/A2.4 SIM	2/A2.4	4	-	CARD READER
317B	VOTING BOOTH AREA	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	P	1	HM	P	2/A2.4 SIM	2/A2.4	4	-	CARD READER
318	LOBBY	1	3' - 0"	8' - 0"	1 3/4"	A	SCWD	S	1	HM	P	2/A2.4 SIM	2/A2.4	3	-	CARD READER
319	LOBBY	1	3' - 0"	7' - 0"	1 3/4"	B	GLASS / AL	CAF	2	AL	CAF	3/A2.4 & 6/A2.4	9/A2.4	1.1	-	CARD READER
319A	OFFICE	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	P	1	HM	P	2/A2.4 SIM	2/A2.4	11	-	
319C	OFFICE	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	P	1	HM	P	2/A2.4 SIM	2/A2.4	11	-	
320A	VOTER REGISTRATION	1	3' - 0"	7' - 0"	1 3/4"	A	SCWD	P	1	HM	P	2/A2.4 SIM	2/A2.4	15	-	PASSAGE FUNCTION
325A	SECURITY OFFICE	1	3' - 0"	7' - 10 1/2"	1 3/4"	D	GLASS / AL	CAF	2	AL	CAF	3/A2.4 & 6/A2.4	9/A2.4	3.1	-	PROVIDE SECURITY FILM "F-3", ON GLAZING. CARD READER
LEVEL 9																
904A	MEDIUM CONFERENCE	2	3' - 0"	7' - 0"	1 3/4"	C	GLASS / AL	CAF	2/A7.4	AL	CAF	6/A2.4 & 8/A2.4	9/A2.4	12	-	F-1 ON GLASS

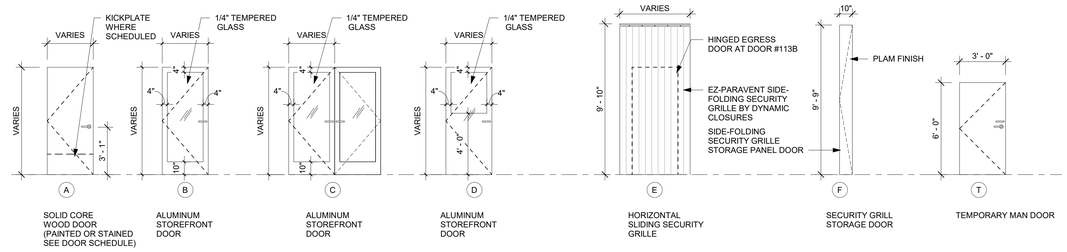
SCHEDULES - DOOR SCHEDULE - TEMPORARY PHASE

DOOR									FRAME					MISCELLANEOUS		
DESCRIPTION			SIZE													
NO	ROOM NAME	#	W	H	T	TYPE	MATERIAL	FINISH	FRAME TYPE / ELEVATION	MATERIAL	FINISH	JB	HD	HDWR SET	FIRE RATING	REMARKS
LEVEL 1																
4T	LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
4T	LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
4T	LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
LEVEL 2																
4T	LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
4T	ELEV LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
4T	LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
4T	MEDIUM CONFERENCE	1	3' - 0"	6' - 0"	1 3/4"	T										
4T	ELEV LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
4T	LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
4T	LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
4T	LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
4T	LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
LEVEL 3																
4T	LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
4T	ELEV LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
4T	LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
4T	LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
4T	LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
4T	LOBBY	1	3' - 0"	6' - 0"	1 3/4"	T										
104C		1	3' - 0"	6' - 0"	1 3/4"	T										
LEVEL 9																
4T	CORRIDOR	1	3' - 0"	6' - 0"	1 3/4"	T										



DOOR FRAME TYPE

1/4" = 1'-0"



DOOR TYPE

1/4" = 1'-0"

architecture
incorporated
1902 campus commons drive
suite 101
reston, virginia 20191
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Construction Documents for:

ARLINGTON COUNTY OFFICES RENOVATIONS
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
PERMIT / BID

Revisions

DOOR SCHEDULE, DOOR TYPES, FRAME TYPES

Scale **1/4" = 1'-0"**
Drawn CS
Checked RM

A2.1

PERMIT / BID

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DOOR HARDWARE SETS:

MANUFACTURER LIST

MK	MCKINNEY
NO	NORTON
OT	OTHER
PE	PEMKO
RF	RIXSON
RO	ROCKWOOD
RU	CORBIN RUSSWIN
SA	SARGENT
SU	SECURITRON

Set: 1 - Office

Qty	Item	Description	Finish	Mfr
4	Hinge	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Push/Pull	(2) RM3321 x 84" x MP x Type 5HD mounting	US32D	RO
1	Overhead Concealed Closer	91N x 90 deg	626	RF
1	Door Stop	481	US26D	RO
1	Electromagnetic Lock	SAM-B x 24VDC		SU
1	Motion Sensor	XMS x 24VDC		SU
1	Emergency Push Button	EEB2 x 24VDC		SU
1	Card Reader	Furnished and installed by security contractor		OT
1	Power Supply	Furnished and installed by security contractor		OT
1	Wiring Diagram	WD-SYSPK		SA

- ELECTROMAGNETIC LOCK TO BE TIED INTO THE BUILDING FIRE ALARM SYSTEM
- UPON ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM POWER TO BE TERMINATED TO THE ELECTROMAGNETIC LOCK DEACTIVATING THE UNIT
- CARD READER TO BE USED BY AUTHORIZED PERSONS TO GAIN ENTRY FROM THE PUSH SIDE OF THE OPENING
- CARD READER TO BE USED TO DEACTIVATE THE ELECTROMAGNETIC LOCK
- PULL SIDE MOTION SENSOR TO DEACTIVATE THE ELECTROMAGNETIC LOCK AND ALLOW FOR IMMEDIATE EGRESS AT ALL TIMES

Set 1.1 - Open Office

Qty	Item	Description	Finish	Mfr
4	Hinge	T4A3786 4-1/2" x 4-1/2" NRP	US26D	MK
1	Push/Pull	(2) RM3321 x 84" x MP x Type 5HD mounting	US32D	RO
1	Overhead Concealed Closer	91N x 90 deg	626	RF
1	Wall Stop	406	US32D	RO
1	Electromagnetic Lock & Sensor	M680E-BDX x 24VDC	628	SU
1	Emergency Push Button	EEB2 x 24VDC		SU
1	Card Reader	Furnished and installed by security contractor		OT
1	Power Supply	Furnished and installed by security contractor		OT
1	Wiring Diagram	WD-SYSPK		SA

- ELECTROMAGNETIC LOCK TO BE TIED INTO THE BUILDING FIRE ALARM SYSTEM
- UPON ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM POWER TO BE TERMINATED TO THE ELECTROMAGNETIC LOCK DEACTIVATING THE UNIT
- CARD READER TO BE USED BY AUTHORIZED PERSONS TO GAIN ENTRY FROM THE PULL SIDE OF THE OPENING
- CARD READER TO BE USED TO DEACTIVATE THE ELECTROMAGNETIC LOCK
- PUSH SIDE MOTION SENSOR TO DEACTIVATE THE ELECTROMAGNETIC LOCK AND ALLOW FOR IMMEDIATE EGRESS AT ALL TIMES

Set: 2 - Conference / Focus / Huddle

Qty	Item	Description	Finish	Mfr
4	Hinge	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Push/Pull	(2) RM3321 x 84" x MP x Type 5HD mounting	US32D	RO
1	Overhead Concealed Closer	91H x 90 deg	626	RF
1	Wall Stop	406	US32D	RO
1	Door Stop	481	US26D	RO
	(For door 100A, 101A, 106B, 115, and 202B only)			
1	Electromagnetic Lock	SAM-B x 24VDC		SU
1	Motion Sensor	XMS x 24VDC		SU
1	Emergency Push Button	EEB2 x 24VDC		SU
1	Card Reader	Furnished and installed by security contractor		OT
1	Power Supply	Furnished and installed by security contractor		OT
1	Wiring Diagram	WD-SYSPK		SA

- ELECTROMAGNETIC LOCK TO BE TIED INTO THE BUILDING FIRE ALARM SYSTEM
- UPON ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM POWER TO BE TERMINATED TO THE ELECTROMAGNETIC LOCK DEACTIVATING THE UNIT
- CARD READER TO BE USED BY AUTHORIZED PERSONS TO GAIN ENTRY FROM THE PUSH SIDE OF THE OPENING
- CARD READER TO BE USED TO DEACTIVATE THE ELECTROMAGNETIC LOCK
- PULL SIDE MOTION SENSOR TO DEACTIVATE THE ELECTROMAGNETIC LOCK AND ALLOW FOR IMMEDIATE EGRESS AT ALL TIMES

Set: 2.1 - Conference

Qty	Item	Description	Finish	Mfr
4	Hinge	T4A3786 4-1/2" x 4-1/2" NRP	US26D	MK
1	Push/Pull	(2) RM3321 x 84" x MP x Type 5HD mounting	US32D	RO
1	Overhead Concealed Closer	91H x 90 deg	626	RF
1	Electromagnetic Lock & Sensor	M680E-BDX x 24VDC	628	SU
1	Emergency Push Button	EEB2 x 24VDC		SU
1	Card Reader	Furnished and installed by security contractor		OT
1	Power Supply	Furnished and installed by security contractor		OT
1	Wiring Diagram	WD-SYSPK		SA

- ELECTROMAGNETIC LOCK TO BE TIED INTO THE BUILDING FIRE ALARM SYSTEM
- UPON ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM POWER TO BE TERMINATED TO THE ELECTROMAGNETIC LOCK DEACTIVATING THE UNIT
- CARD READER TO BE USED BY AUTHORIZED PERSONS TO GAIN ENTRY FROM THE PULL SIDE OF THE OPENING
- CARD READER TO BE USED TO DEACTIVATE THE ELECTROMAGNETIC LOCK
- PULL SIDE MOTION SENSOR TO DEACTIVATE THE ELECTROMAGNETIC LOCK AND ALLOW FOR IMMEDIATE EGRESS AT ALL TIMES

Set: 3 - Corridor Office

Qty	Item	Description	Finish	Mfr
3	Hinge	T4A3786 4-1/2" x 4-1/2" NRP	US26D	MK
1	Electric Hinge	ETH 4-1/2" x 4-1/2"	US26D	CA
	(Install at second from bottom hinge)			
1	Wiring Harness	Furnished and installed by security contractor		OT
	(Install between electric hinge and junction box)			
1	Mortar Box	MG-16	US2C	MK
1	Electrified Lockset (Fail Secure)	CL33905 AZD x temporary core x SA118 x CMK x 24VDC	626	RU
1	Wiring Harness	Furnished and installed by security contractor		CA
	(Install between electric hinge and electrified lockset)			
1	Permanent Core	CR8500 x MK	626	RU
1	Closer	PR7500	689	NO
1	Kickplate	K1050 8" x 2" LDW 4BE CSK	US32D	RO
1	Wall Stop	406	US32D	RO
3	Silencer	608-RKW		RO
1	Card Reader	Furnished and installed by security contractor		OT
1	Door Position Switch	DPS-W-BK		SU
1	Power Supply	Furnished and installed by security contractor		OT
1	Wiring Diagram	WD-SYSPK		SA

- CARD READER TO BE USED BY AUTHORIZED PERSONS TO GAIN ENTRY FROM THE PULL SIDE OF THE OPENING
- CARD READER TO BE USED TO UNLOCK THE PULL SIDE LEVER OF THE ELECTRIFIED LOCKSET
- PUSH SIDE LEVER OF THE ELECTRIFIED LOCKSET ALWAYS FREE FOR IMMEDIATE EGRESS

Set: 3.1 - Receptoion / Workroom

Qty	Item	Description	Finish	Mfr
3	Hinge	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Electric Hinge	T4A3786 4-1/2" x 4-1/2" QC-12	US26D	MK
	(Install at second from bottom hinge)			
1	Wiring Harness	Furnished and installed by security contractor		CA
	(Install between electric hinge and junction box)			
1	Mortar Box	MG-16	US2C	MK
1	Electrified Lockset (Fail Secure)	CL33905 AZD x temporary core x SA118 x CMK x 24VDC	626	RU
1	Wiring Harness	Furnished and installed by security contractor		CA
	(Install between electric hinge and electrified lockset)			
1	Permanent Core	CR8500 x MK	626	RU
1	Overhead Concealed Closer	91N x 90 deg	626	RF
1	Kickplate	K1050 8" x 2" LDW 4BE CSK	US32D	RO
1	Wall Stop	406	US32D	RO
3	Silencer	608-RKW		RO
1	Card Reader	Furnished and installed by security contractor		OT
1	Door Position Switch	DPS-W-BK		SU
1	Power Supply	Furnished and installed by security contractor		OT
1	Wiring Diagram	WD-SYSPK		SA

- CARD READER TO BE USED BY AUTHORIZED PERSONS TO GAIN ENTRY FROM THE PUSH SIDE OF THE OPENING
- CARD READER TO BE USED TO UNLOCK THE PUSH SIDE LEVER OF THE ELECTRIFIED LOCKSET
- PULL SIDE LEVER OF THE ELECTRIFIED LOCKSET ALWAYS FREE FOR IMMEDIATE EGRESS

Set: 4 - Managers Office / Open Office / Storage

Qty	Item	Description	Finish	Mfr
2	Hinge	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Electric Hinge	T4A3786 4-1/2" x 4-1/2" QC-12	US26D	MK
	(Install at middle hinge)			
1	Wiring Harness	Furnished and installed by security contractor		CA
	(Install between electric hinge and junction box)			
1	Mortar Box	MG-16	US2C	MK
1	Electrified Lockset (Fail Secure)	CL33905 AZD x temporary core x SA118 x CMK x 24VDC	626	RU
1	Wiring Harness	Furnished and installed by security contractor		CA
	(Install between electric hinge and electrified lockset)			
1	Permanent Core	CR8500 x MK	626	RU
1	Closer	7500	689	NO
1	Wall Stop	406	US32D	RO
1	Door Stop	481	US26D	RO
	(For door 107A only)			
3	Silencer	608-RKW		RO
1	Gasketing (Set)	S88 BL x DOW x DOH		PE
	(For door 107A only)			
1	Card Reader	Furnished and installed by security contractor		OT
1	Door Position Switch	DPS-W-BK		SU
1	Power Supply	Furnished and installed by security contractor		OT
1	Wiring Diagram	WD-SYSPK		SA

- CARD READER TO BE USED BY AUTHORIZED PERSONS TO GAIN ENTRY FROM THE PUSH SIDE OF THE OPENING
- CARD READER TO BE USED TO UNLOCK THE PUSH SIDE LEVER OF THE ELECTRIFIED LOCKSET
- PULL SIDE LEVER OF THE ELECTRIFIED LOCKSET ALWAYS FREE FOR IMMEDIATE EGRESS

Set: 5 - Toilet

Qty	Item	Description	Finish	Mfr
3	Reverse Spring Hinge	1502R 4-1/2" x 4-1/2"	US26D	MK
1	Privacy Set & Indicator	ML2060 ASA x M19V	626	RU
1	Kickplate	K1050 8" x 2" LDW 4BE CSK	US32D	RO
1	Mop Plate	K1050 4" x 1" LDW 4BE CSK	US32D	RO
1	Wall Stop	406	US32D	RO
3	Silencer	608-RKW		RO

Set: 5.1 - Toilet

Qty	Item	Description	Finish	Mfr
3	Reverse Spring Hinge	1502R 4-1/2" x 4-1/2"	US26D	MK
1	Privacy Set & Indicator	ML2060 ASA x M19V	626	RU
1	Kickplate	K1050 8" x 2" LDW 4BE CSK	US32D	RO
1	Mop Plate	K1050 4" x 1" LDW 4BE CSK	US32D	RO
1	Overhead Stop	1-X36 x 90 deg	652	RF
3	Silencer	608-RKW		RO

Set: 6 - Janitor

Qty	Item	Description	Finish	Mfr
3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Storeroom Lockset	CL3357 AZD x temporary core x SA118 x CMK	626	RU
1	Permanent Core	CR8500 x MK	626	RU
1	Kickplate	K1050 8" x 2" LDW 4BE CSK	US32D	RO
1	Mop Plate	K1050 4" x 1" LDW 4BE CSK	US32D	RO
1	Wall Stop	406	US32D	RO
3	Silencer	608-RKW		RO

Set: 7 - Open Office

Qty	Item	Description	Finish	Mfr
2	Hinge	T4A3786 4-1/2" x 4-1/2" NRP	US26D	MK
1	Electric Hinge	T4A3786 4-1/2" x 4-1/2" QC-12	US26D	MK
	(Install at middle hinge)			
1	Harness	Furnished and installed by security contractor		CA
	(Install between electric hinge and junction box)			
1	Mortar Box	MG-16	US2C	MK
1	Elec. Exit Device (Fail Secure)	ED5200 x A9905ET x temporary core x M51 x M110 x CMK x 24VDC	630	RU
1	Harness	Furnished and installed by security contractor		CA
	(Install between electric hinge and electrified exit device)			
1	Permanent Core	CR8500 x MK	626	RU
1	Closer	PR7500	689	NO
1	Kickplate	K1050 8" x 2" LDW 4BE CSK	US32D	RO
1	Wall Stop	406	US32D	RO
3	Silencer	608-RKW		RO
1	Card Reader	Furnished and installed by security contractor		OT
1	Door Position Switch	DPS-W-BK		SU
1	Power Supply	Furnished and installed by security contractor		OT
1	Wiring Diagram	WD-SYSPK		SA

- CARD READER TO BE USED BY AUTHORIZED PERSONS TO GAIN ENTRY FROM THE PULL SIDE OF THE OPENING
- CARD READER TO BE USED TO UNLOCK THE PULL SIDE LEVER OF THE ELECTRIFIED EXIT DEVICE
- PUSH BAR OF ELECTRIFIED EXIT DEVICE ALWAYS FREE FOR IMMEDIATE EGRESS

Set: 8 - Storage

Qty	Item	Description	Finish	Mfr
3	Hinge	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Storeroom Lockset	CL3357 AZD x temporary core x SA118 x CMK	626	RU
1	Permanent Core	CR8500 x MK	626	RU
1	Closer	7500	689	NO
1	Kickplate	K1050 8" x 2" LDW 4BE CSK	US32D	RO
1	Wall Stop	406	US32D	RO
1	Gasketing (Set)	S88 BL x DOW x DOH		PE

Set: 9 - NOT USED

Set: 10 - Stair

Qty	Item	Description	Finish	Mfr
3	Hinge	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Exit Device	ED5200A x A910ET x M110	630	RU
1	Closer	PR7500	689	NO
1	Kickplate	K1050 8" x 2" LDW 4BE CSK	US32D	RO
1	Wall Stop	406	US32D	RO
1	Threshold	171 A x DOW x MS & ES25		PE
1	Gasketing (Set)	S88 BL x DOW x DOH		PE
1	Door Bottom Seal	234 AV x DOW		PE

Set: 11 - Offcie

Qty	Item	Description	Finish	Mfr
3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Office Lockset	CL3351 AZD x temporary core x SA118 x CMK	626	RU
1	Permanent Core	CR8500 x MK	626	RU
1	Wall Stop	409	US32D	RO
3	Silencer	608-RWK		RO

Set: 11.1 - Offcie

Qty	Item	Description	Finish	Mfr
3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Office Lockset	CL3351 AZD x temporary core x SA118 x CMK	626	RU
1	Permanent Core	CR8500 x MK	626	RU
1	Door Stop	481	US32D	RO
3	Silencer	608-RWK		RO

Set: 12 - Conference

Qty	Item	Description	Finish	Mfr
6	Hinge	T4A3786 4-1/2" x 4-1/2" NRP	US26D	MK
2	Push/Pull	(2) RM3321 x 72" x MP x Type 5HD mounting	US32D	RO
2	Overhead Concealed Closer	91H x 90 deg	626	RF
2	Electromagnetic Lock & Sensor	M680E-BDX x 24VDC	628	SU
1	Emergency Push Button	EEB2 x 24VDC		SU
1	Card Reader	Furnished and installed by security contractor		OT
1	Power Supply	Furnished and installed by security contractor		OT
1	Wiring Diagram	WD-SYSPK		SA

- ELECTROMAGNETIC LOCKS TO BE TIED INTO THE BUILDING FIRE ALARM SYSTEM
- UPON ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM POWER TO BE TERMINATED TO THE ELECTROMAGNETIC LOCKS DEACTIVATING THE UNITS
- CARD READER TO BE USED BY AUTHORIZED PERSONS TO GAIN ENTRY FROM THE PULL SIDE OF THE OPENING
- CARD READER TO BE USED TO DEACTIVATE THE ELECTROMAGNETIC LOCKS
- PUSH SIDE MOTION SENSOR TO DEACTIVATE THE ELECTROMAGNETIC LOCKS AND ALLOW FOR IMMEDIATE EGRESS AT ALL TIMES

Set: 13.1 - Rolling Grille Panel

- ALL FOLDING DOOR HARDWARE FURNISHED BY DOOR MANUFACTURE

POCKET DOOR

Qty	Item	Description	Finish	Mfr
4	Reverse Spring Hinge	2060R 4-1/2" x 4-1/2"	US26D	ST
1	Magnetic Clatch	901	ALM	RO
1	Push/Pull	95R	US32D	RO
1	Wall Stop	402	US26D	RO
1	Silencer	608-RKW		RO

Set: 14 - Garge Elevator Lobby

Qty	Item	Description	Finish	Mfr
1	Pivot (Set)	147	626	RF
1	Intermediate Pivot	M19	626	RF
1	Push/Pull	(2) RM3321 x 72" x MP x Type 5HD mounting	US32D	RO
1	Overhead Concealed Closer	91N x 90 deg	626	RF
1	Wall Stop	406	US32D	RO
1	Electromagnetic Lock & Sensor	M680E-BDX x 24VDC	628	SU
1	Emergency Push Button	EEB2 x 24VDC		SU
1	Card Reader	Furnished and installed by security contractor		OT
1	Power Supply	Furnished and installed by security contractor		OT
1	Wiring Diagram	WD-SYSPK		SA

- ELECTROMAGNETIC LOCK TO BE TIED INTO THE BUILDING FIRE ALARM SYSTEM
- UPON ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM POWER TO BE TERMINATED TO THE ELECTROMAGNETIC LOCK DEACTIVATING THE UNIT
- CARD READER TO BE USED BY AUTHORIZED PERSONS TO GAIN ENTRY FROM THE PULL SIDE OF THE OPENING
- CARD READER TO BE USED TO DEACTIVATE THE ELECTROMAGNETIC LOCK
- PUSH SIDE MOTION SENSOR TO DEACTIVATE THE ELECTROMAGNETIC LOCK AND ALLOW FOR IMMEDIATE EGRESS AT ALL TIMES
- INSTALL PUSH/ PULL HARDWARE SO THAT 10" CLEARANCE IS MAINTAINED FROM FLOOR.

Set: 14.1 - Grage Elevator Lobby

Qty	Item	Description	Finish	Mfr
1	Pivot (Set)	147	626	RF
1	Intermediate Pivot	M19	626	RF
1	Push/Pull	(2) RM3321 x 72" x MP x Type 5HD mounting	US32D	RO
1	Automatic Door Operator	6061 x 120VAC	689	NO
2	Press Wall Switch	505 x 125VAC		NO
1	Wall Stop	406	US32D	RO
1	Electromagnetic Lock & Sensor	M680E-BDX x 24VDC	628	SU
1	Emergency Push Button	EEB2 x 24VDC		SU
1	Card Reader	Furnished and installed by security contractor		OT
1	Power Supply	Furnished and installed by security contractor		OT
1	Wiring Diagram	WD-SYSPK		SA

- ELECTROMAGNETIC LOCK TO BE TIED INTO THE BUILDING FIRE ALARM SYSTEM
- UPON ACTIVATION OF THE BUILDING FIRE ALARM SYSTEM POWER TO BE TERMINATED TO THE ELECTROMAGNETIC LOCK DEACTIVATING THE UNIT
- CARD READER TO BE USED BY AUTHORIZED PERSONS TO GAIN ENTRY FROM THE PULL SIDE OF THE OPENING
- CARD READER TO BE USED TO DEACTIVATE THE ELECTROMAGNETIC LOCK AND ALLOW FOR USE OF THE PULL SIDE PRESS WALL SWITCH
- PUSH SIDE PRESS WALL SWITCH TO DEACTIVATE THE ELECTROMAGNETIC LOCK AND THE ACTIVATE THE AUTOMATIC DOOR OPERATOR AT TIMES
- PUSH SIDE MOTION SENSOR TO DEACTIVATE THE ELECTROMAGNETIC LOCK AND ALLOW FOR IMMEDIATE EGRESS AT ALL TIMES
- INSTALL PUSH / PULL HARDWARE SO THAT 10" CLEARANCE IS MAINTAINED FROM FLOOR.

Set: 14.2 - Garge Elevator Lobby

Qty	Item	Description	Finish	Mfr
1	Pivot (Set)	147	626	RF
1	Electrified Intermediate Pivot	E-M19	626	RF
1	ElectroLynx Harness	Furnished and installed by security contractor	-	OT
	(Install between electric hinge and junction box)			
1	El.Latch Retraction Exit Device	ED5200 X K157ET X MELR M51 M92 M110 CMK 24VDC	630	RU
1	ElectroLynx Harness	Furnished and installed by security contractor	-	OT
	(Install between electric hinge and electrified exit device)			
1	Permanent Core	CR8500 x MK	626	RU
1	Pull	RM3321 x 72" x MP x Type 12HD mounting	US32D	RO
1	Automatic Door Operator	6061 x 120VAC	689	NO
2	Press Wall Switch	505 x 125VAC	-	NO
1	Wall Stop	406	US32D	RO
1	Card Reader	Furnished and installed by security contractor	-	OT
1	Power Supply	Furnished and installed by security contractor	-	OT
1	Wiring Diagram	WD-SYSPK	-	SA

- CARD READER TO BE USED BY AUTHORIZED PERSONS TO GAIN ENTRY FROM THE PULL SIDE OF THE OPENING
- CARD READER TO BE USED TO RETRACT THE LATCH OF THE ELECTRIC LATCH RETRACTION EXIT DEVICE AND ALLOW FOR USE OF THE PULL SIDE PRESS WALL SWITCH.
- PUSH SIDE PRESS WALL SWITCH TO RETRACT THE LATCH OF THE ELECTRIC LATCH RETRACTION EXIT DEVICE AND
- ACTIVATE THE AUTOMATIC OPERATOR AT ALL TIMES.
- FREE EGRESS PERMITTED AT ALL TIMES
- INSTALL PUSH / PULL HARDWARE SO THAT 10" CLEARANCE IS MAINTAINED FROM FLOOR.

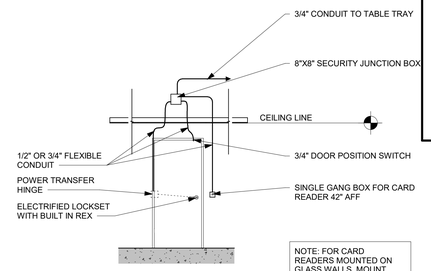
Set: 15 - Open Offcie

Qty	Item	Description	Finish	Mfr
3	Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Passage Lockset	CL3310 AZD x SA118 x CMK	626	RU
1	Wall Stop	409	US32D	RO
3	Silencer	608-RWK		RO

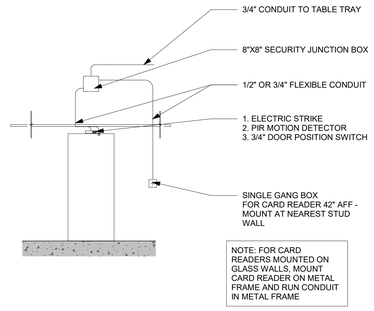
NOTES:

1. PROVIDE SILENCERS ON ALL DOORS

2. KEYWAY / KEYING MUST BE DONE THROUGH LOCK TECHNOLOGY 301.345.8300 AS THEY OWN THE PINNING DIAGRAM FOR THE BUILDING. ALL KEYS MUST BE KEYED UNDER THE BUILDING MASTER. COORDINATE WITH OWNER FOR KEYING REQUIREMENTS.



1 WIRE DIAGRAM
1/4" = 1'-0"



2 WIRE DIAGRAM
1/4" = 1'-0"

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Construction Documents for:
ARLINGTON COUNTY OFFICES RENOVATIONS
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
PERMIT / BID
Revisions

DOOR HARDWARE SCHEDULE

Scale **1/4" = 1'-0"**
Drawn AP
Checked RM

A2.2

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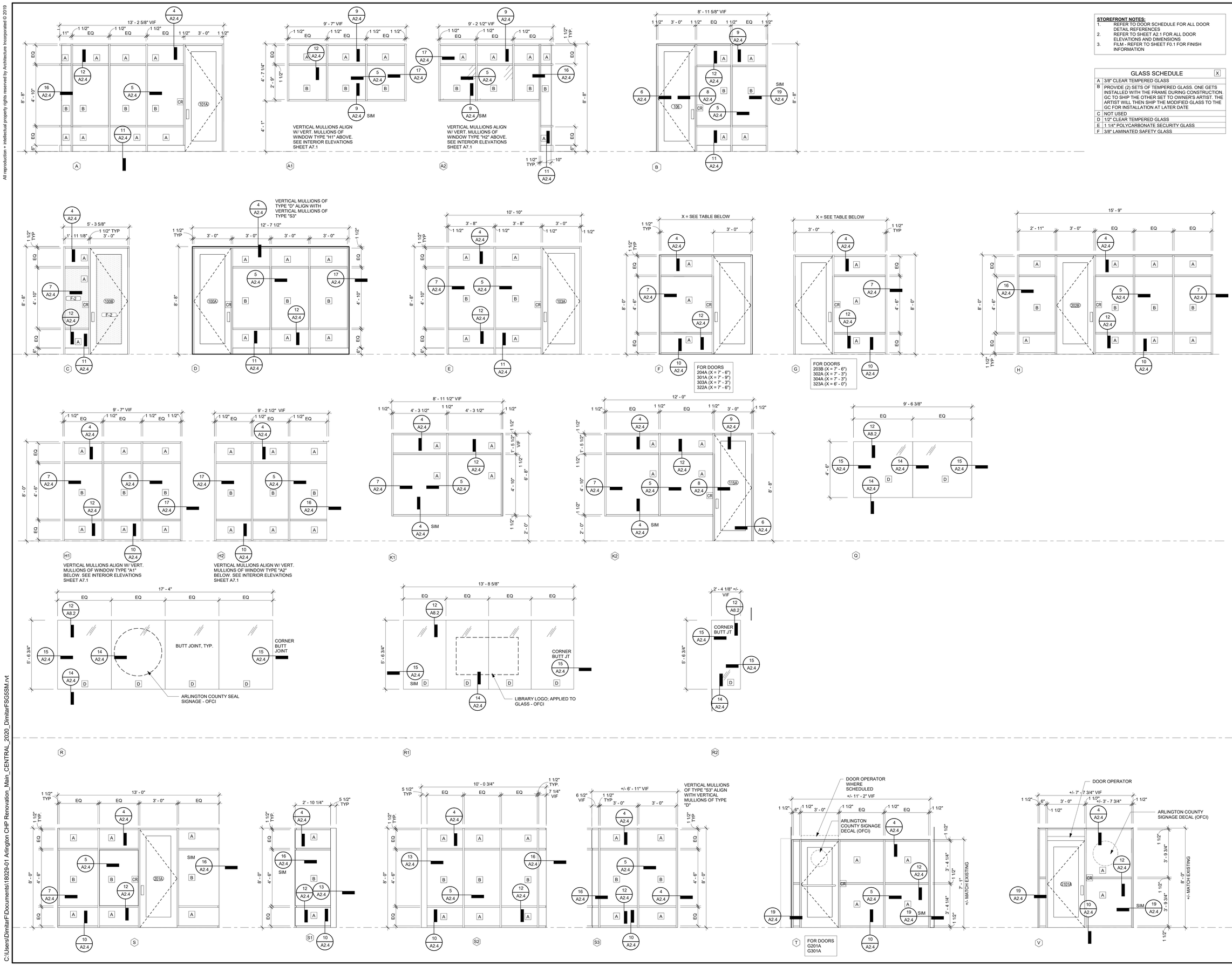

STOREFRONT NOTES:

1. REFER TO DOOR SCHEDULE FOR ALL DOOR DETAIL REFERENCES
2. REFER TO SHEET A2.1 FOR ALL DOOR ELEVATIONS AND DIMENSIONS
3. FILM - REFER TO SHEET F0.1 FOR FINISH INFORMATION

GLASS SCHEDULE	X
A	3/8" CLEAR TEMPERED GLASS
B	PROVIDE (2) SETS OF TEMPERED GLASS. ONE GETS INSTALLED WITH THE FRAME DURING CONSTRUCTION. GC TO SHIP THE OTHER SET TO OWNER'S ARTIST. THE ARTIST WILL THEN SHIP THE MODIFIED GLASS TO THE GC FOR INSTALLATION AT LATER DATE
C	NOT USED
D	1/2" CLEAR TEMPERED GLASS
E	1 1/4" POLYCARBONATE SECURITY GLASS
F	3/8" LAMINATED SAFETY GLASS

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Revisions

GLAZING ELEVATIONS

Scale **As indicated**
Drawn AP
Checked RM

A2.3

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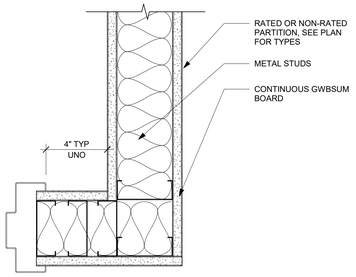
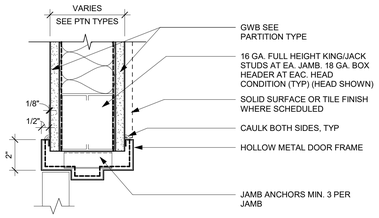
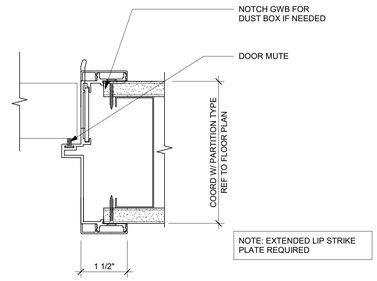


1 TYP WALL TO DOOR
3" = 1'-0"



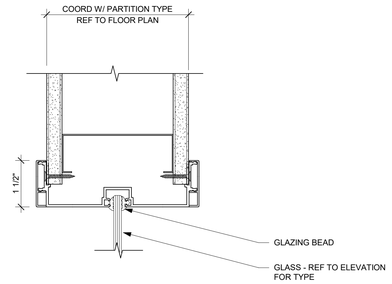
NOTE:
SEE HARDWARE SCHEDULE FOR HARDWARE SPECIFICATION, TYP

2 HEAD / JAMB SIM DETAIL
3" = 1'-0"

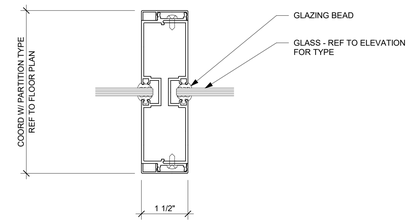


NOTE: EXTENDED LIP STRIKE PLATE REQUIRED

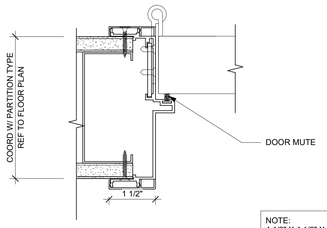
3 ALUM. FRAME STRIKE JAMB
6" = 1'-0"



4 ALUM. FRAME GLAZING HEAD / JAMB SIM
6" = 1'-0"

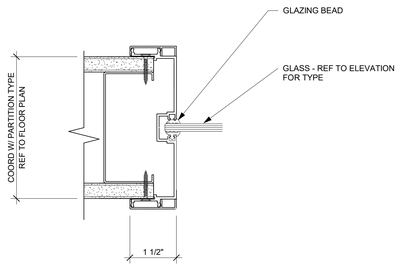


5 VERTICAL MULLION
6" = 1'-0"

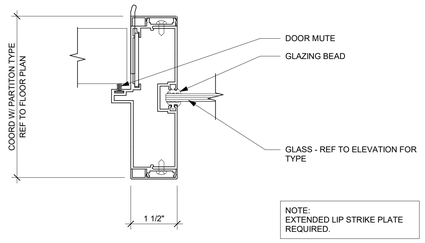


NOTE:
4 1/2" X 4 1/2" X .134GA SQUARE HINGES REQUIRED.

6 ALUM. FRAME HINGE JAMB
6" = 1'-0"

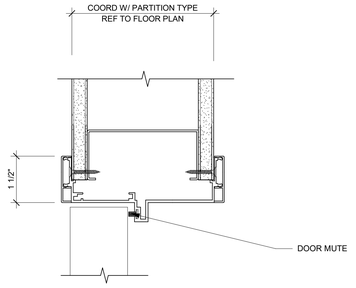


7 ALUM. FRAME JAMB MULLION
6" = 1'-0"

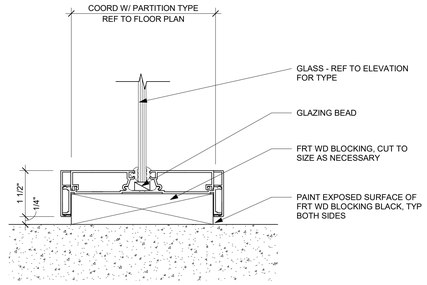


NOTE:
EXTENDED LIP STRIKE PLATE REQUIRED.

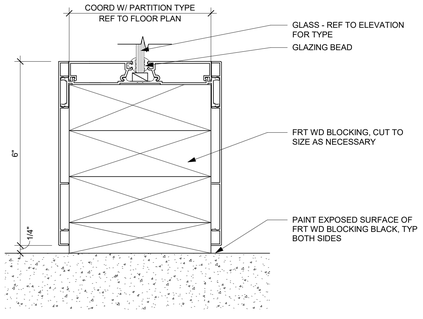
8 STRIKE JAMB WITH SIDELITE
6" = 1'-0"



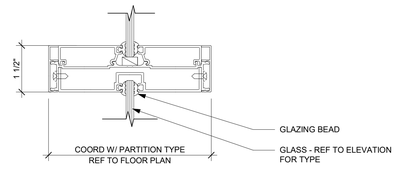
9 ALUM. FRAME DOOR HEADER
6" = 1'-0"



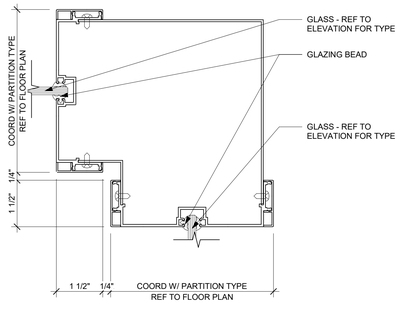
10 ALUM. FRAME SILL
6" = 1'-0"



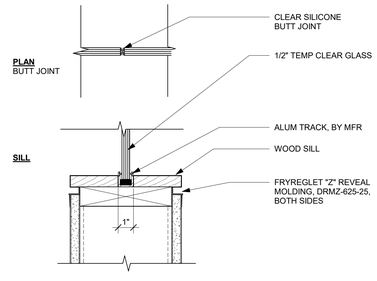
11 ALUM. FRAME SILL WITH 6" TRIM
6" = 1'-0"



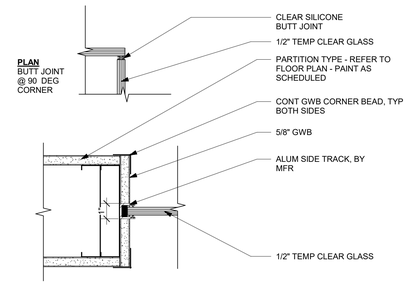
12 ALUM. FRAME HORIZONTAL MUNTIN
6" = 1'-0"



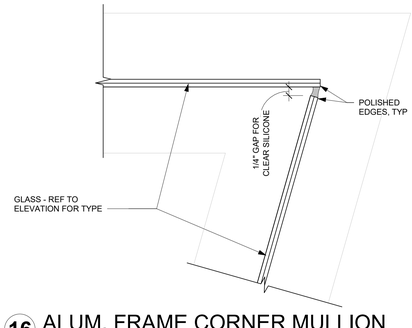
13 ALUM. FRAME CORNER MULLION
6" = 1'-0"



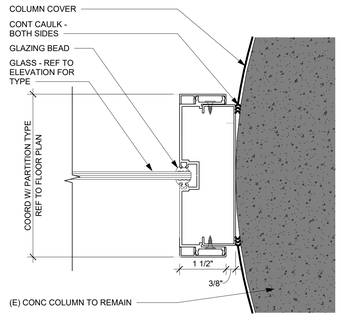
14 GLAZING @ WOOD SILL
3" = 1'-0"



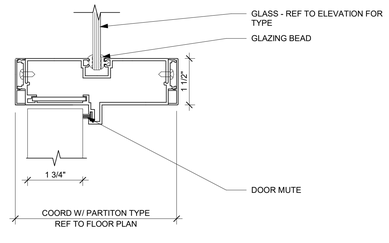
15 GLAZING @ JAMB / HEAD SIM
3" = 1'-0"



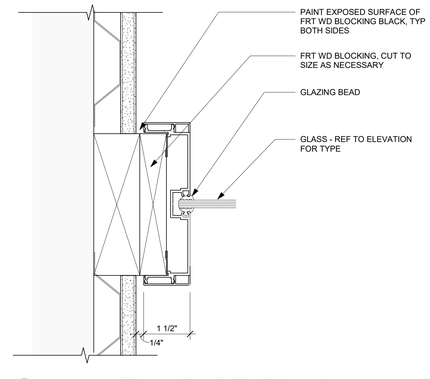
16 ALUM. FRAME CORNER MULLION
6" = 1'-0"



17 ALUM. FRAME JAMB MULLION
6" = 1'-0"



18 DOOR - AL HEAD
6" = 1'-0"



19 ALUM. FRAME AT FURRING WALL
6" = 1'-0"

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2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
PERMIT / BID
Revisions
BID SET 08/16/19

DOOR AND GLASS DETAILS

Scale **As indicated**
Drawn AP
Checked RM

A2.4

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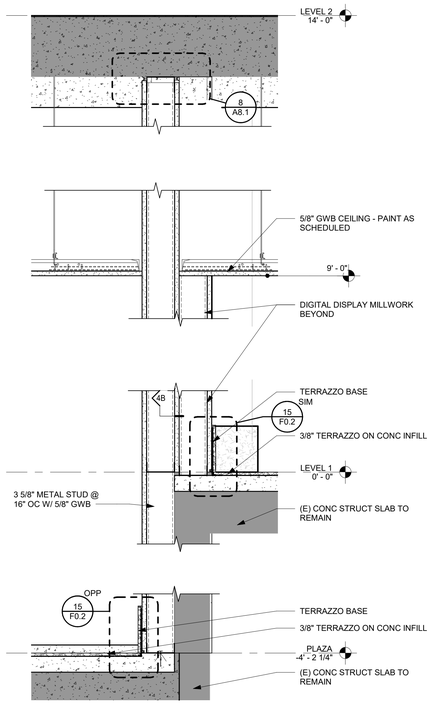
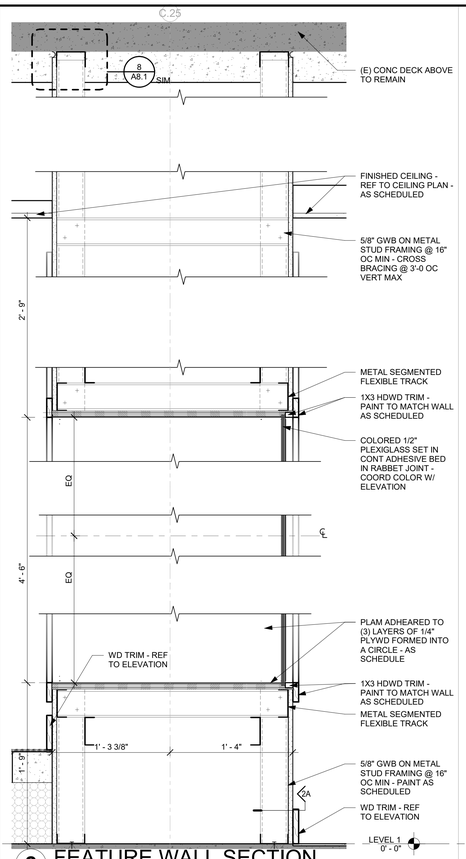
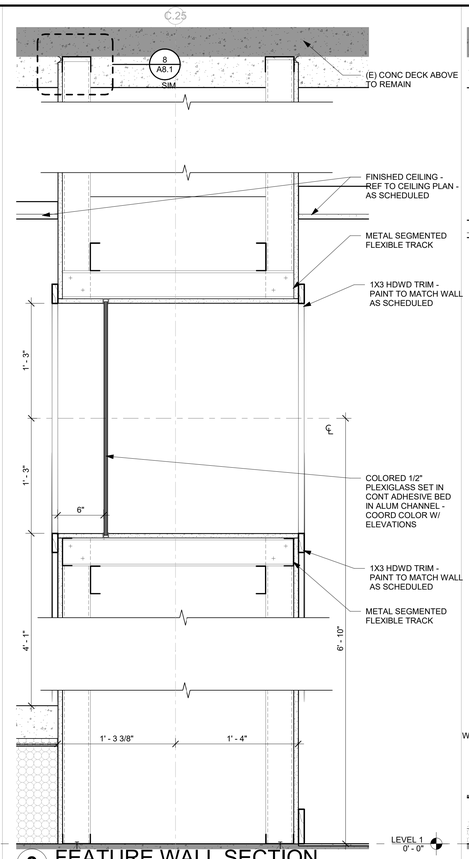


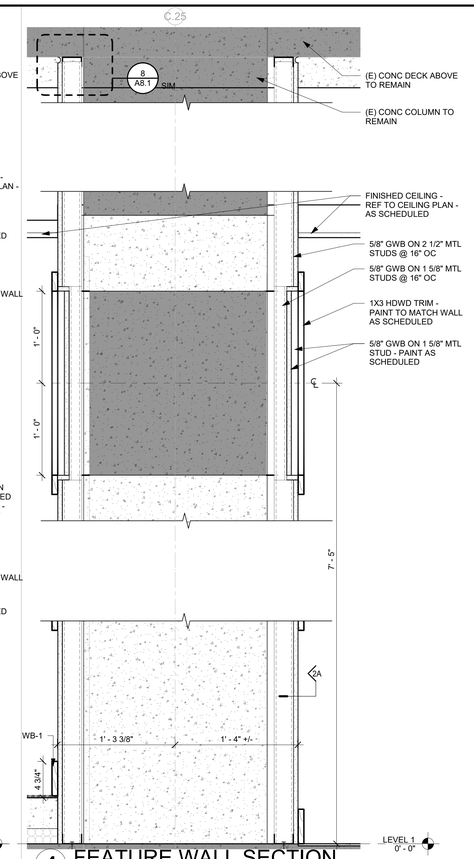
1 DISPLAY AREA SECTION
1 1/2" = 1'-0"



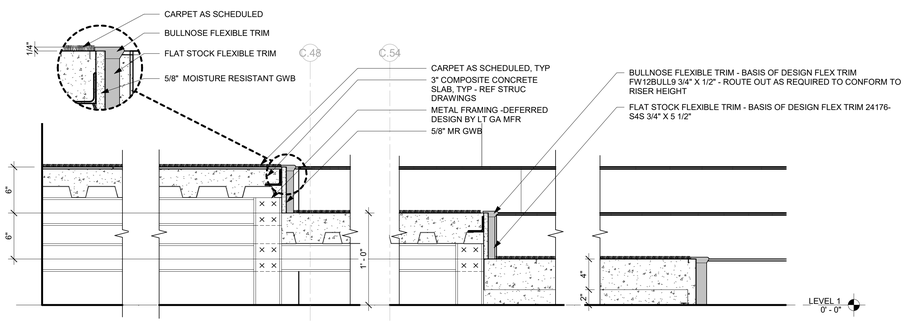
2 FEATURE WALL SECTION
1 1/2" = 1'-0"



3 FEATURE WALL SECTION
1 1/2" = 1'-0"



4 FEATURE WALL SECTION
1 1/2" = 1'-0"



NOTES:
1. LIGHT GUAGE FRAMING SUBCONTRACTOR TO PROVIDE SHOP DRAWINGS PREPARED BY PE AS PART OF DEFERRED DESIGN SUBMITTAL -REF SPECS
2. REF TO STRUCT DOCS FOR SLAB REINFORCEMENT

5 PLATFORM @ LIBRARY
1 1/2" = 1'-0"

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ARLINGTON COUNTY OFFICES RENOVATIONS
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Project: 18029-01

Issued 05/26/21
PERMIT / BID
Revisions

SECTIONS AND DETAILS

Scale **As indicated**
Drawn KBEL4
Checked RM

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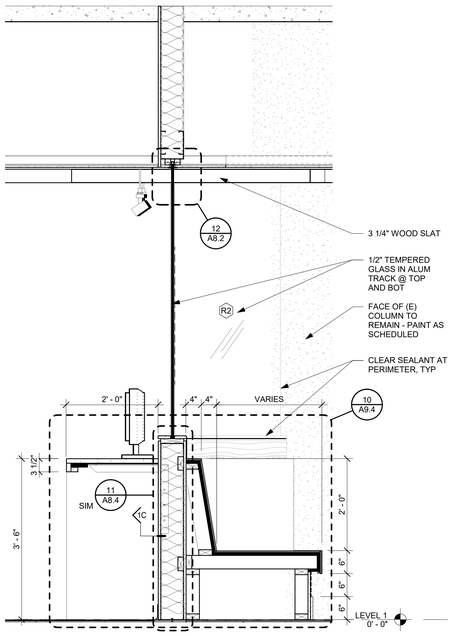
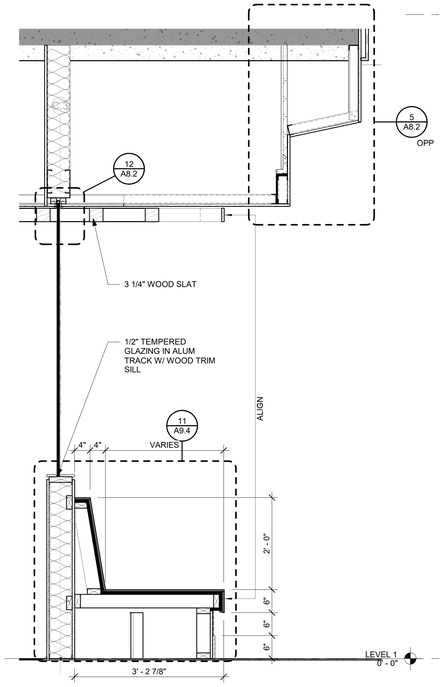
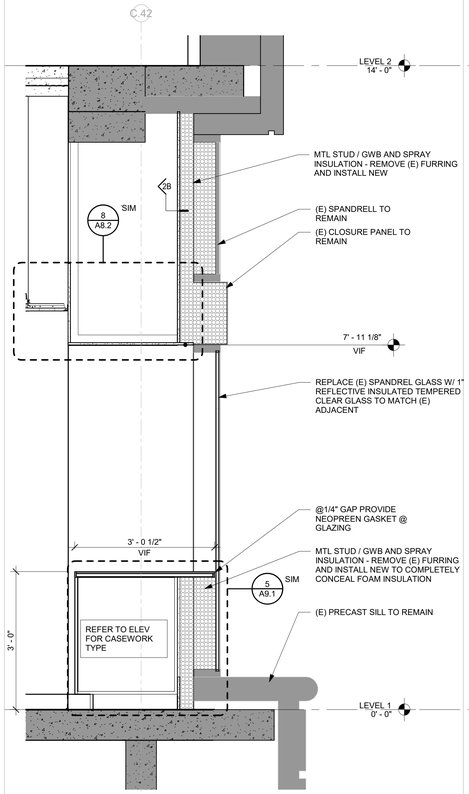


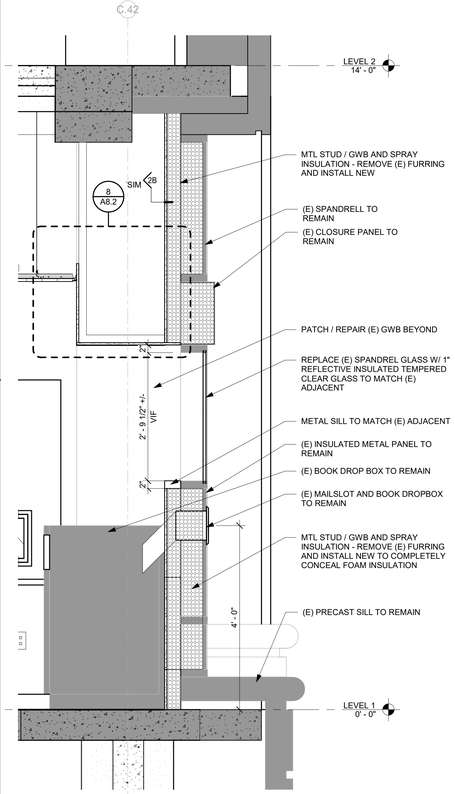
1 114A LOBBY BENCH / GENIUS BAR
3/4" = 1'-0"



2 114A LOBBY BENCH
3/4" = 1'-0"



3 100A CONF RM @ EXT WALL
3/4" = 1'-0"

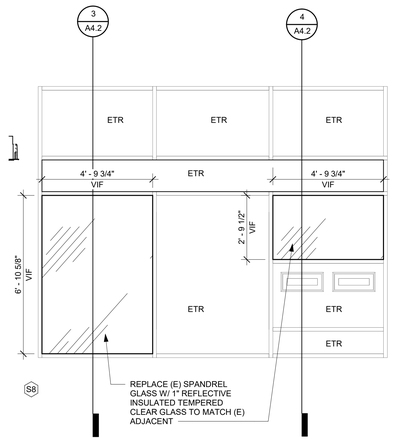


4 100B LIB OFFICE @ EXT WALL
3/4" = 1'-0"

MINIMUM ENERGY REQUIREMENTS FOR FIXED FENESTRATION PER VECC TABLE C402.4:

U-FACTOR: 0.38
SHGC: 0.40

MAXIMUM AIR LEAKAGE FOR STOREFRONT / CURTAIN WALL ASSSEMBLY PER VECC TABLE C402.5.4.2: 0.06



5 100B LIBRARY OFFICES
3/8" = 1'-0"

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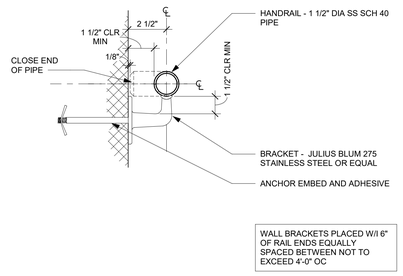
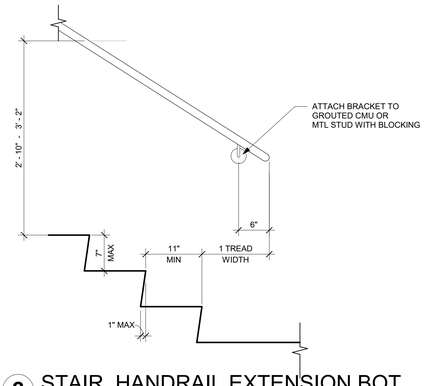
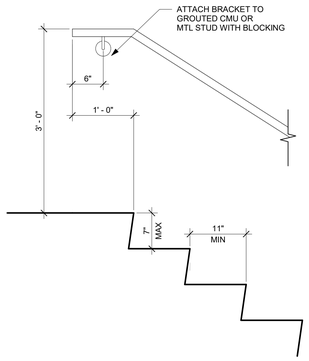


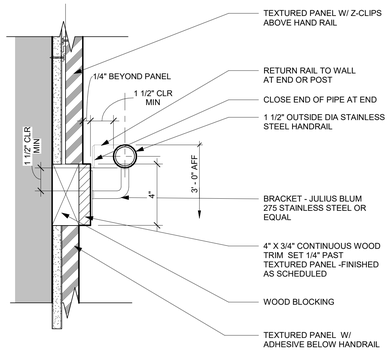
1 STAINLESS STEEL HANDRAIL DETAIL
3" = 1'-0"



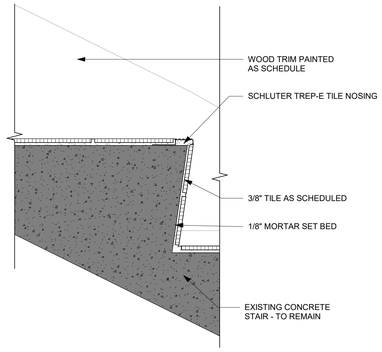
2 STAIR_HANDRAIL EXTENSION BOT
1" = 1'-0"



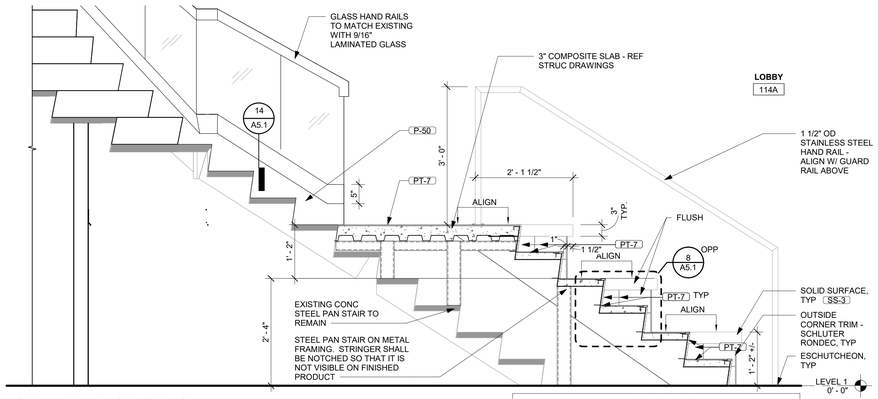
3 STAIR_HANDRAIL EXTENSION TOP
1" = 1'-0"



4 HANDRAIL @ HEX STAIR
3" = 1'-0"

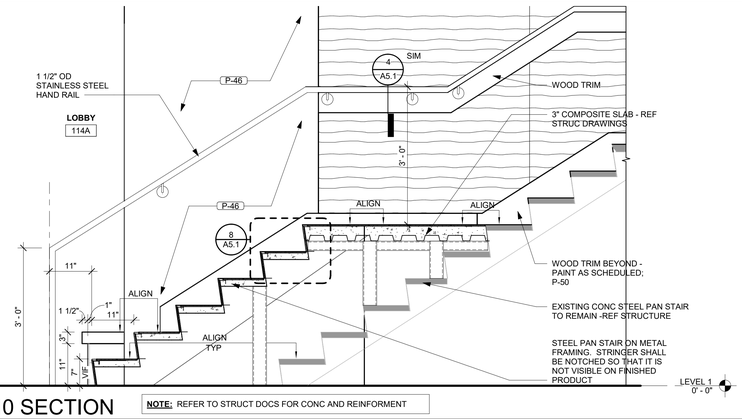


5 TYP STAIR DETAIL @ ENTRANCE
3" = 1'-0"



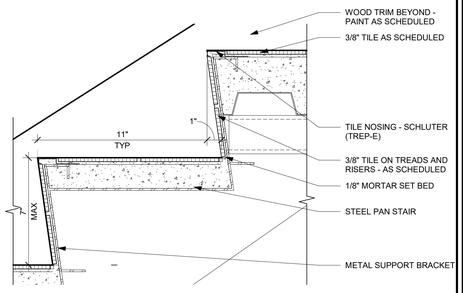
6 STAIR 10 SECTION
3/4" = 1'-0"

NOTE: REFER TO STRUCT DOCS FOR CONC AND REINFORMENT

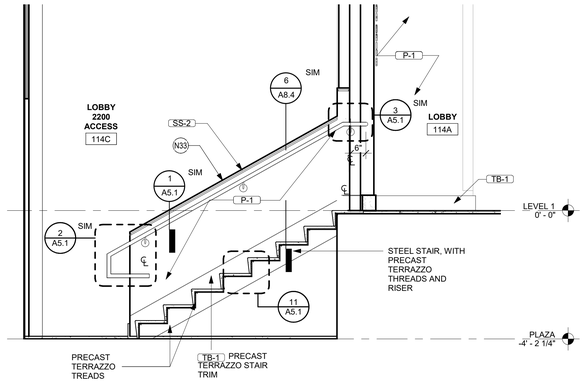


7 STAIR 10 SECTION
3/4" = 1'-0"

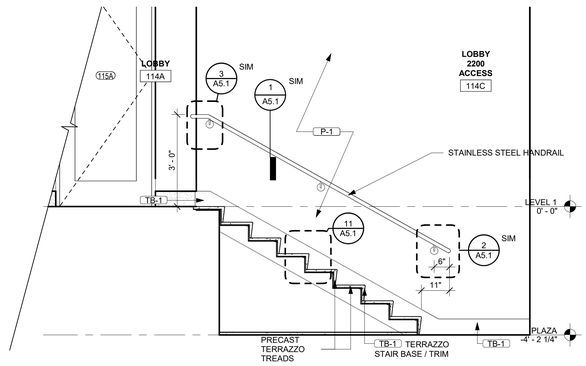
NOTE: REFER TO STRUCT DOCS FOR CONC AND REINFORMENT



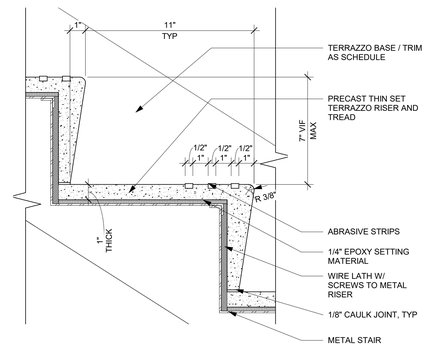
8 TYP STAIR DETAIL @ HEX STAIR
3" = 1'-0"



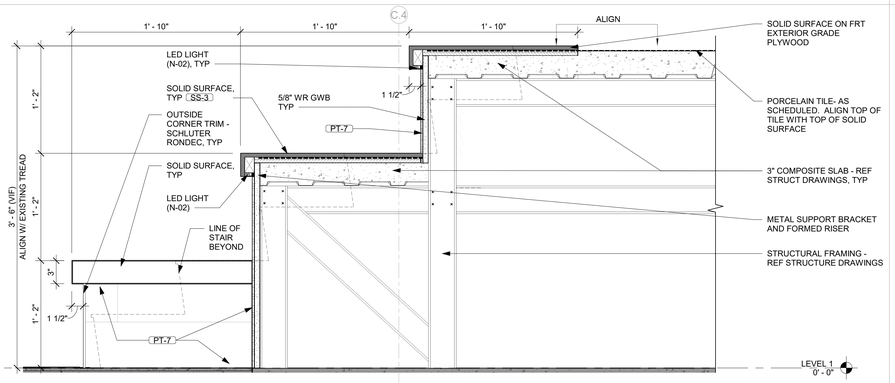
9 SECTION @ TERRAZZO STAIR
1/2" = 1'-0"



10 SECTION @ TERRAZZO STAIR
1/2" = 1'-0"

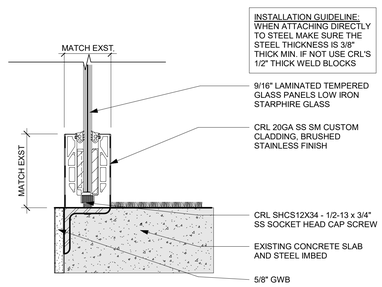


11 TYP. STAIR DETAIL @ TERRAZZO STAIR
3" = 1'-0"

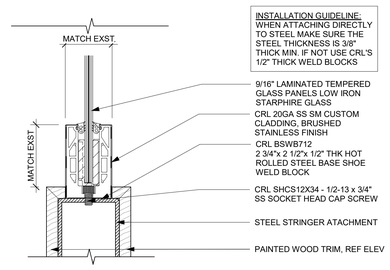


12 STAIR 10 - PLATFORM SEATING
1 1/2" = 1'-0"

NOTE: REFER TO STRUCT DOCS FOR CONC AND REINFORMENT



13 TYP SURFACE MOUNT DETAIL
3" = 1'-0"



14 TYPICAL SURFACE MOUNT DETAIL
3" = 1'-0"

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STAIR DETAILS

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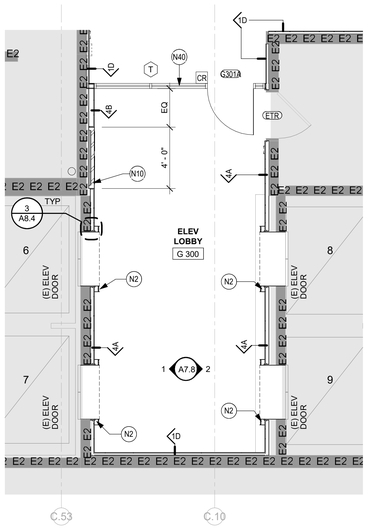
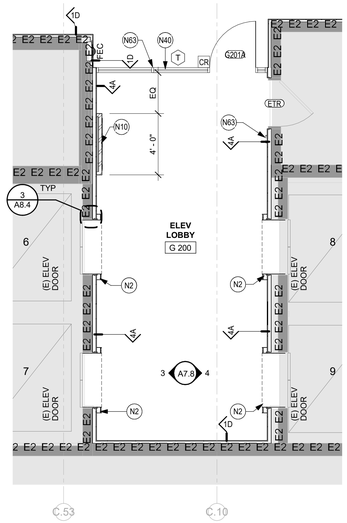
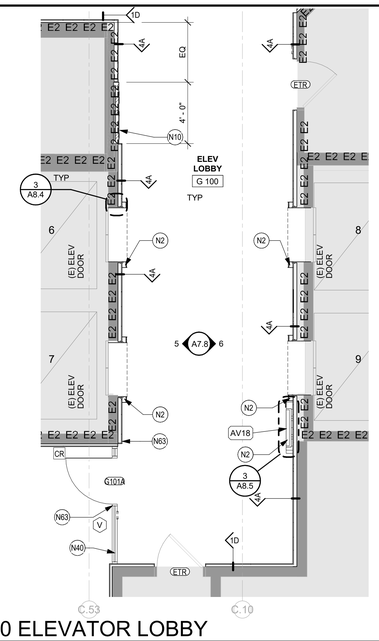


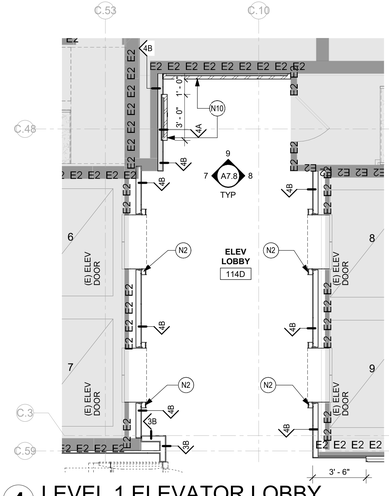
1 G300 ELEVATOR LOBBY
1/4" = 1'-0"



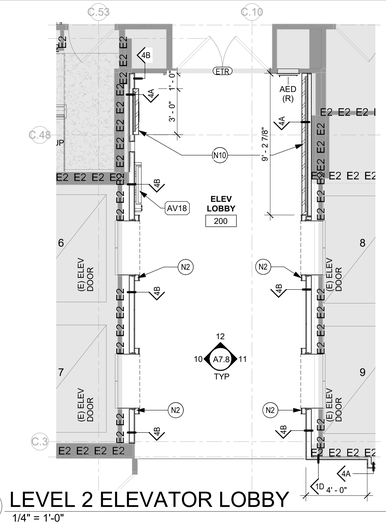
2 G200 ELEVATOR LOBBY
1/4" = 1'-0"



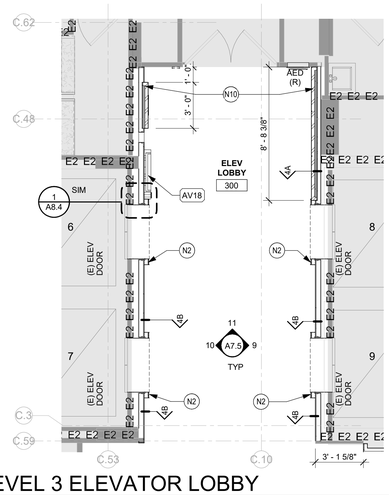
3 G100 ELEVATOR LOBBY
1/4" = 1'-0"



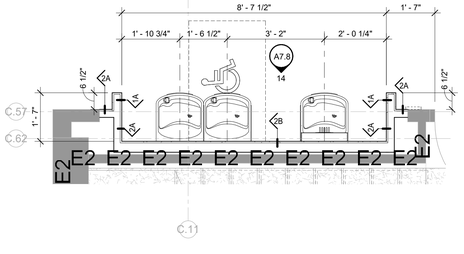
4 LEVEL 1 ELAVATOR LOBBY
1/4" = 1'-0"



5 LEVEL 2 ELAVATOR LOBBY
1/4" = 1'-0"



6 LEVEL 3 ELAVATOR LOBBY
1/4" = 1'-0"



8 PLAN AT WATER COOLERS
1/2" = 1'-0"

KEYED WORK NOTES

N2	MILLWORK - REF ELEVATIONS
N10	METAL PANEL WITH CUSTOM GRAPHIC - REF ELEVATIONS
N40	PROVIDE TYPE 1A BULKHEAD ABOVE CURTAIN WALL ASSEMBLY, TYP
N63	WALL MOUNTED AUTOMATIC DOOR PADDLE.

NEW WORK LEGEND:

- N# — KEYED NEW WORK NOTE
- (E) DOOR TO REMAIN
- NEW DOOR AND FRAME
- NEW DOOR, FRAME, AND SIDE LITE
- NEW PARTITION
- (E) PARTITION
- AREA NOT IN PROJECT SCOPE
- DIMENSION FROM FACE OF FINISH
- XXX — PARTITION TAG
- 1t — WINDOW TAG
- 1i — SPECIALTY EQUIPMENT TAG
- CR (E) — CARD READER (EXISTING)
- CR — CARD READER

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ENLARGED PLANS - ELEVATOR LOBBIES

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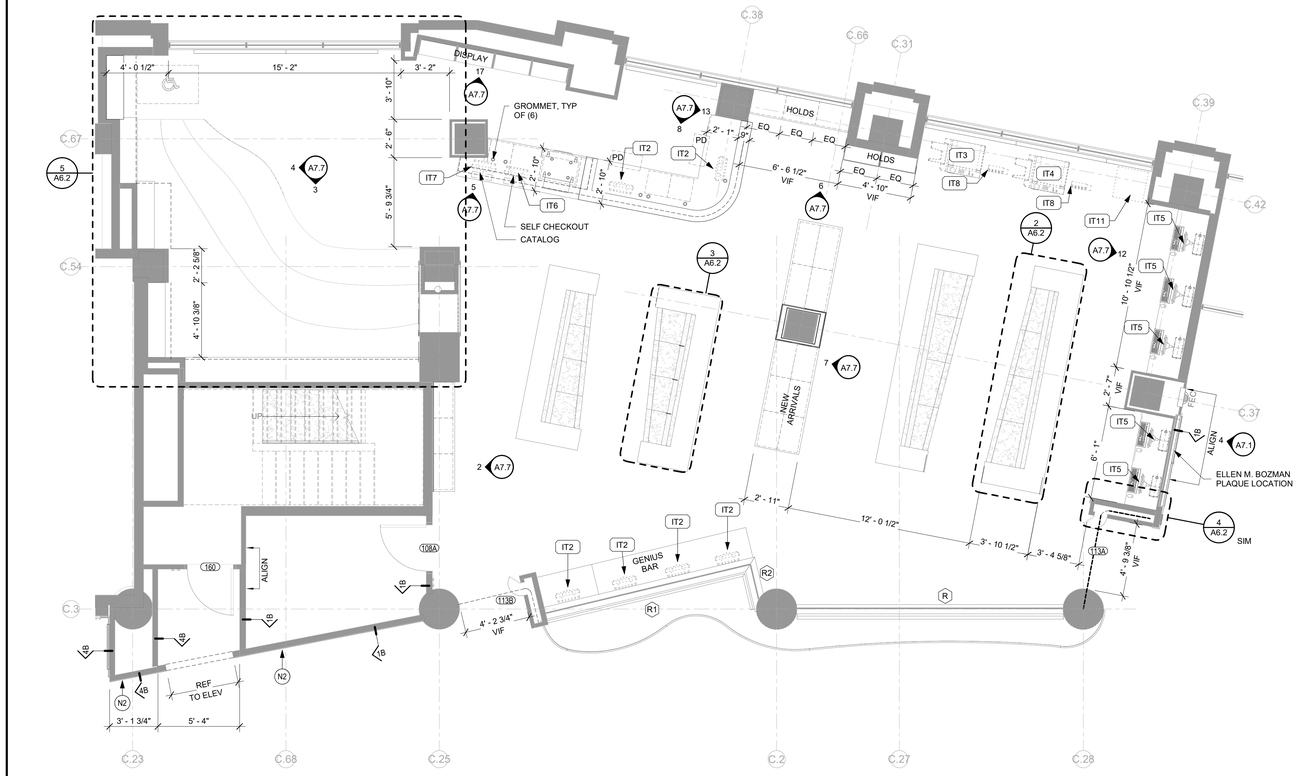
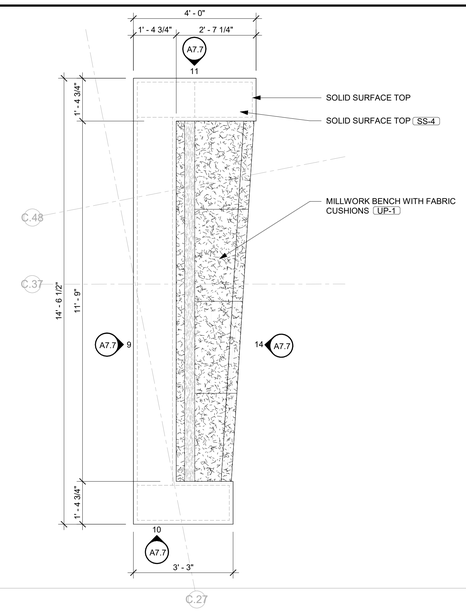
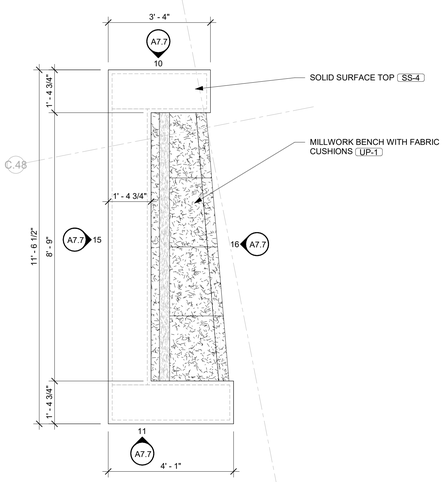


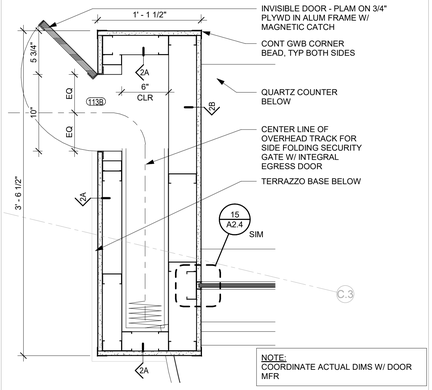
1 113 LIBRARY - ENLARGED PLAN
1/4" = 1'-0"



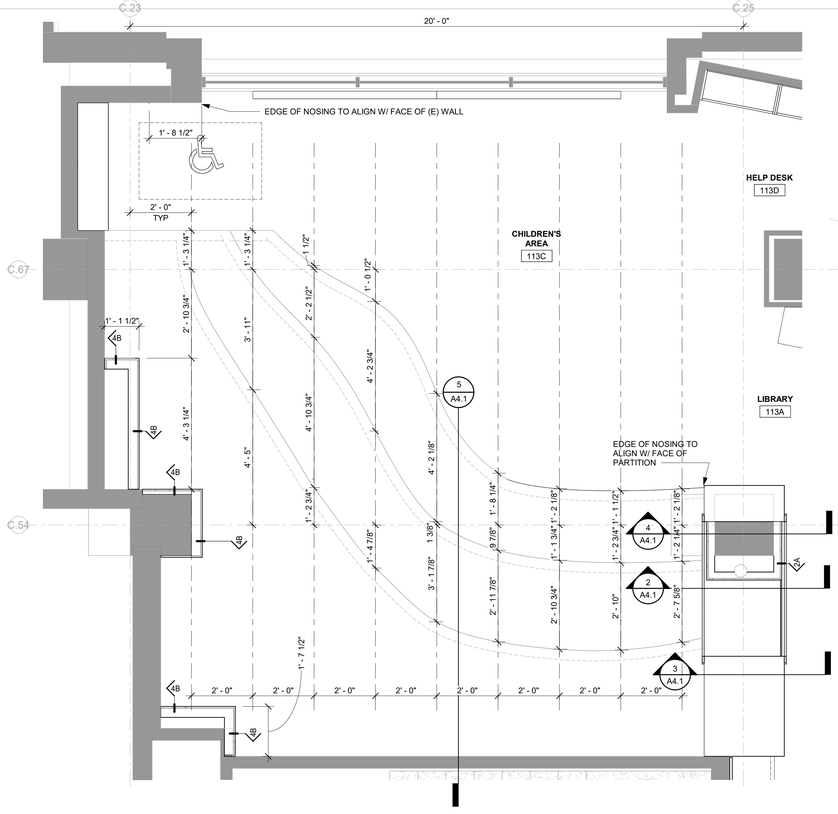
2 113 LIBRARY - SEATING TYPE 1
1/2" = 1'-0"



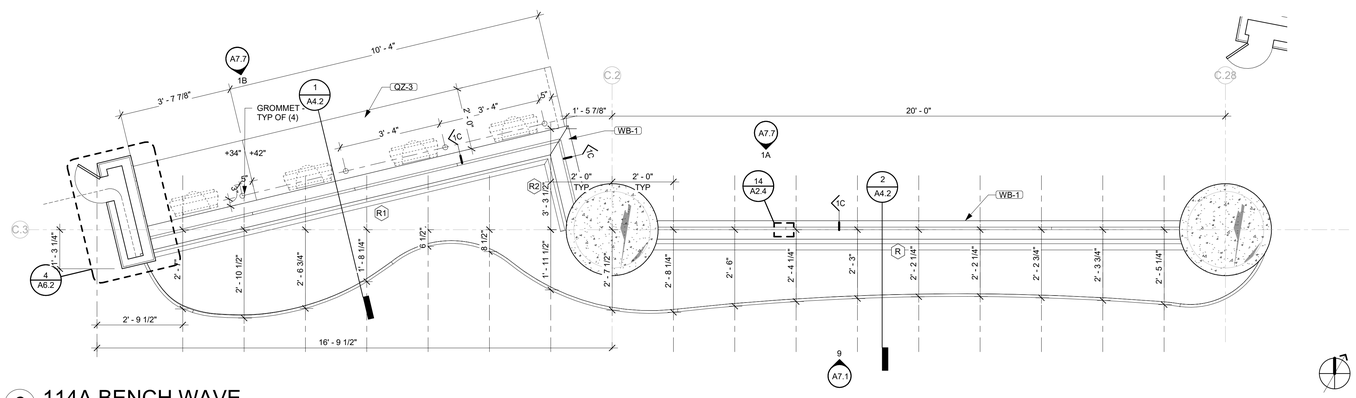
3 113 LIBRARY - SEATING TYPE 2
1/2" = 1'-0"



4 SECURITY DOOR
1 1/2" = 1'-0"



5 113C CHILDREN'S AREA
1/2" = 1'-0"



6 114A BENCH WAVE
1/2" = 1'-0"

NEW WORK LEGEND:

- KEYED NEW WORK NOTE
- (E) DOOR TO REMAIN
- NEW DOOR AND FRAME
- NEW DOOR, FRAME, AND SIDE LITE
- NEW PARTITION
- (E) PARTITION
- AREA NOT IN PROJECT SCOPE
- DIMENSION FROM FACE OF FINISH
- PARTITION TAG
- WINDOW TAG
- SPECIALTY EQUIPMENT TAG
- CARD READER (EXISTING)
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ENLARGED PLANS - LIBRARY

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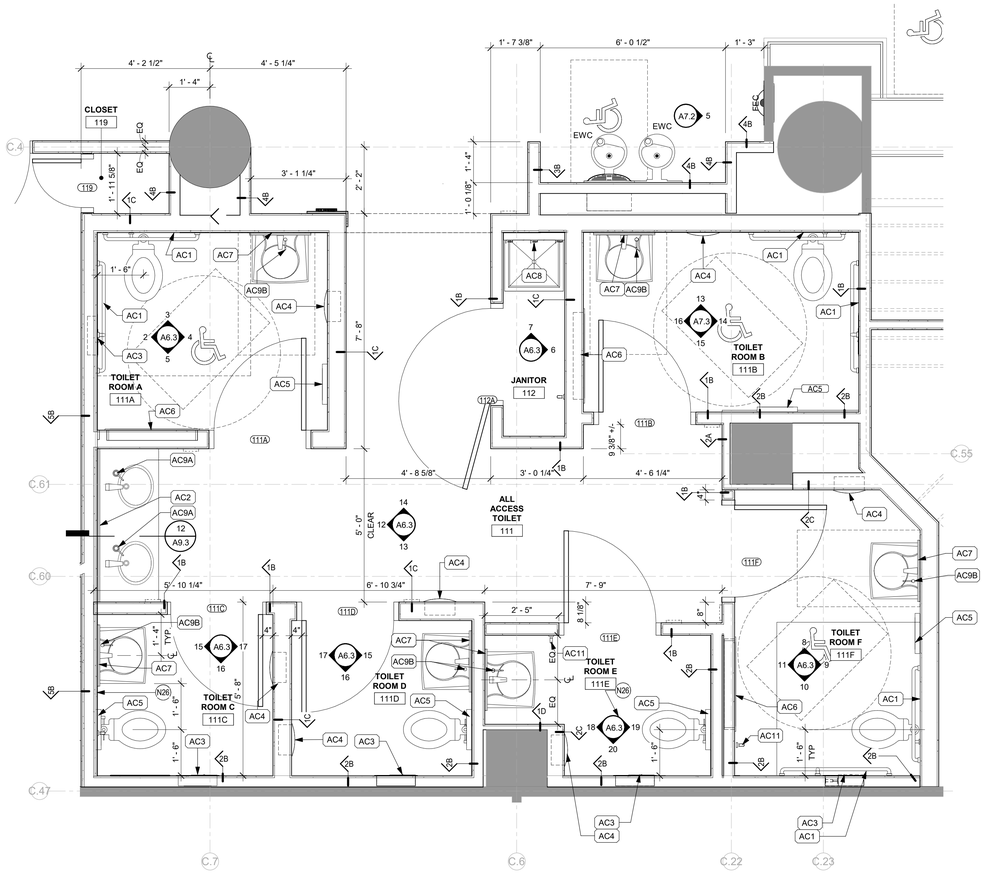
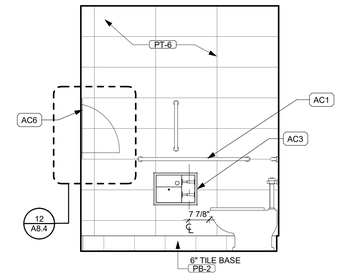
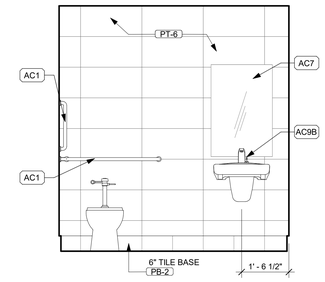


NOTE:
SEE SPEC FOR WALL BOARD REQUIREMENTS IN WET ZONES AND PARTITIONS TO RECEIVE TILE

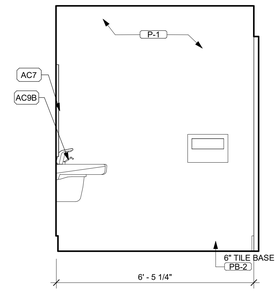
1 ENLARGED ALL ACCESS TOILET
1/2" = 1'-0"



2 TYPICAL TOILET ELEVATION
1/2" = 1'-0"



3 TYPICAL TOILET ELEVATION
1/2" = 1'-0"



4 TYPICAL TOILET ELEVATION
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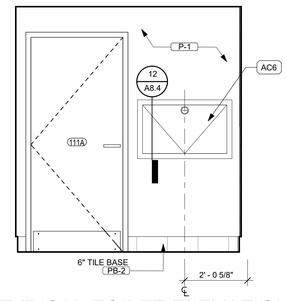
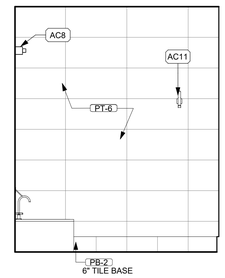


5 TYPICAL TOILET ELEVATION
1/2" = 1'-0"



6 MOP SINK ELEVATION
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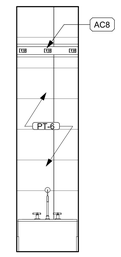
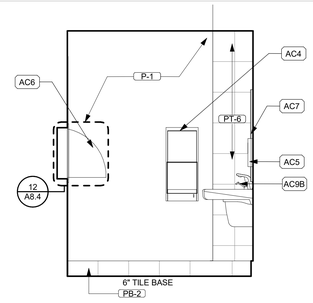


7 MOP SINK ELEVATION
1/2" = 1'-0"



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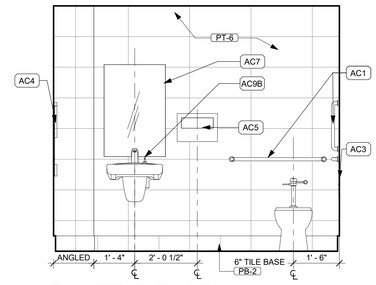
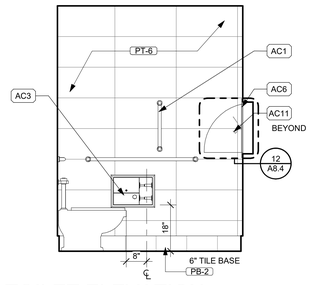
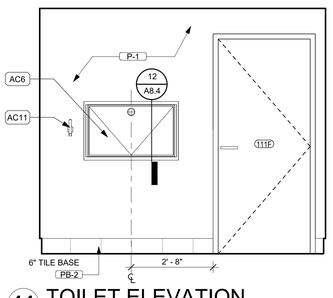


9 TOILET ELEVATION
1/2" = 1'-0"



10 TOILET ELEVATION
1/2" = 1'-0"



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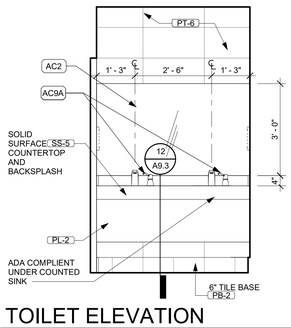

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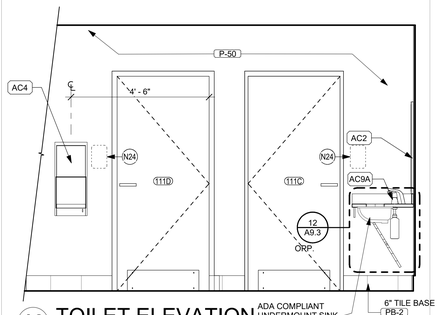

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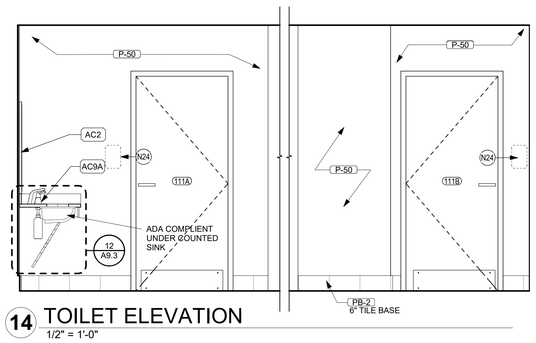

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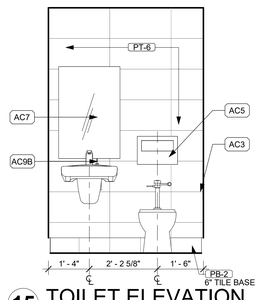

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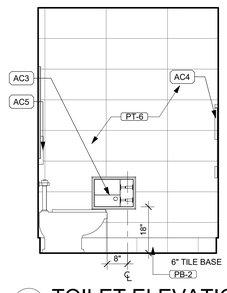

16 TOILET ELEVATION
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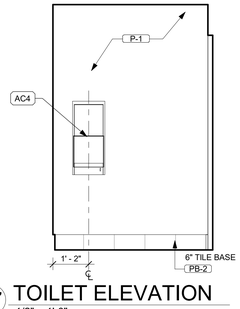

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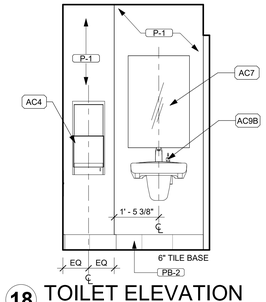

18 TOILET ELEVATION
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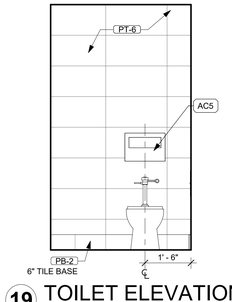
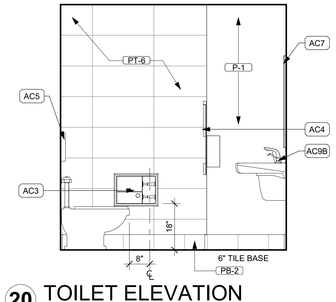


19 TOILET ELEVATION
1/2" = 1'-0"



20 TOILET ELEVATION
1/2" = 1'-0"

ELEV/ENLARGED PLAN NOTES:

1. PROVIDE BLOCKING FOR ALL WALL MOUNTED ACCESSORIES PER MANUFACTURERS RECOMMENDATIONS.
2. REFER TO SHEET AG1.2 FOR MOUNTING HEIGHTS OF ALL ACCESSORIES.

ACCESSORY NOTES:

1i SPECIALTY EQUIPMENT TAG

- REFER SHEET F0.1 FOR FINISH SCHEDULE
- REF SHEET AG1.3 FOR MOUNTING HEIGHTS

KEYED WORK NOTES

N24	REQUIRED SIGNAGE - OFOI
N26	PROVIDE BLOCKING AS REQUIRED IN (E) PARTITION FOR WALL MOUNTED TOILET ACCESSORIES, WALL CABINETS AND SPECIALTY EQUIPMENT. PATCH PARTITION TO MATCH (E) ADJACENT MATERIAL AND FINISH.

TOILET ACCESSORIES

MARK	DESCRIPTION	MFGR	MODEL
AC1	GRAB BAR - 3 PIECE SET - 36", 42" AND 18"	BOBRICK	B-6800 SERIES
AC2	FRAMELESS MIRROR 36" x 60"	-	-
AC3	RECESSED SANITARY NAPKIN DISPOSAL AND TOILET TISSUE DISPENSER	BOBRICK	B-3094
AC4	RECESSED ELECTRIC HAND DRYER	TOTO USA	HDR111#SS
AC5	SEAT COVER DISPENSER	BOBRICK	B-221
AC6	RECESSED BABY CHANGING STATION	BOBRICK	KB110-SSRE
AC7	FRAMELESS MIRROR 24" x 36"	BRADLEY	747-024360
AC8	SURFACE MOUNTED MOP AND BROOM HOLDER	BOBRICK	B-223 x 36
AC9A	COUNTER-MOUNTED MANUAL FOAM SOAP DISPENSER	BOBRICK	B-823
AC9B	LAVATORY MOUNTED SOAP DISPENSER	BOBRICK	B-82216
AC10	COUNTER-MOUNTED MANUAL SOAP DISPENSER	BOBRICK	B-8221
AC11	SURFACE-MOUNTED HAT AND COAT HOOK	BOBRICK	B-682
AC12	SURFACE MOUNTED PAPER TOWEL DISPENSER	BOBRICK	B-2621
AC13	ClassicSeries Toilet Seat-Cover Dispenser, Waste Disposal, and Toilet Tissue Dispenser	Bobrick	B-30919
AC14	ClassicSeries Toilet Seat-Cover Dispenser, Waste Disposal, and Toilet Tissue Dispenser	Bobrick	B-30929
AC15	ClassicSeries Recessed Toilet Seat-Cover Dispenser, Waste Disposal, and Toilet Tissue Dispenser	Bobrick	B-3092
AC16	ClassicSeries Recessed Toilet Seat-Cover Dispenser, Waste Disposal, and Toilet Tissue Dispenser	Bobrick	B-3091
AC17	VERTICAL GRAB BAR - 1 PIECE SET - 18"	BOBRICK	B-6800 SERIES
AC18	SURFACE MOUNTED ELECTRIC HAND DRYER, HDR101#WH - High speed hand dryer, Hygienic, touch-free operation, Splash resistant, Water tray to prevent slip and fall, Space saving, compact design, Low Operating noise 57dB(A), Energy Effcient 390W, AC powered	TOTO USA	HDR101#SS

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1902 campus commons drive
suite 101
reston, virginia 20191
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Construction Documents for:

ARLINGTON COUNTY OFFICES RENOVATIONS
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
PERMIT / BID
Revisions

TOILET PLANS AND ELEVATIONS

Scale **As indicated**
Drawn JV/CS
Checked RM

A6.3

PERMIT / BID

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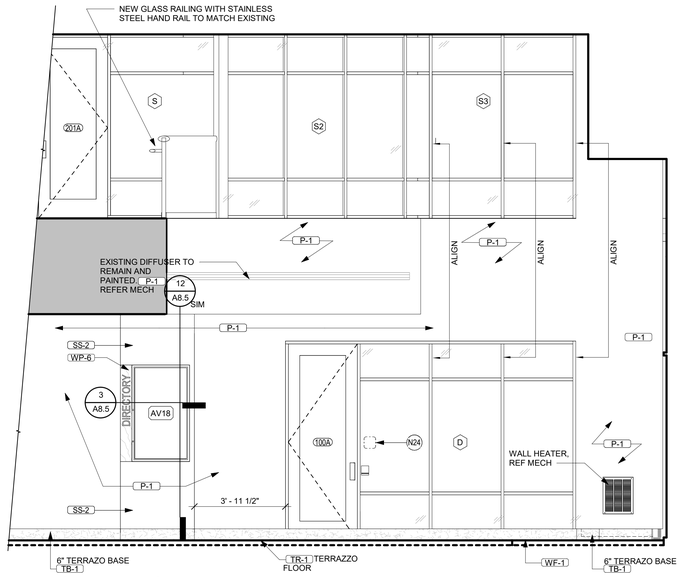
KEYED WORK NOTES

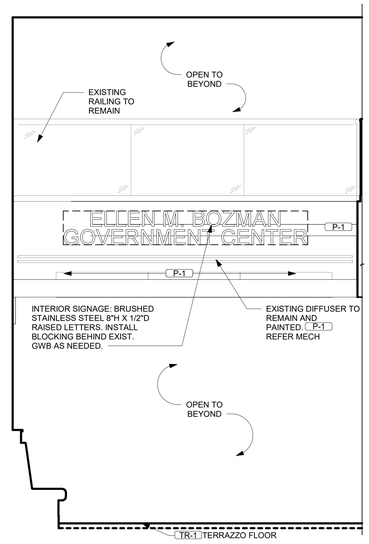
N24	REQUIRED SIGNAGE - OFOI

ELEVATION NOTES:

- REFER SHEET AG1.3 FOR EQUIPMENT SCHEDULE
- REFER SHEET F0.2.1 FOR FINISH SCHEDULE
- 1i PECIALTY EQUIPMENT TAG
- 1i REF SHEET A2.3 FOR GLAZING ELEVATION



1 MAIN LOBBY - NORTH
3/8" = 1'-0"



2 MAIN LOBBY - WEST
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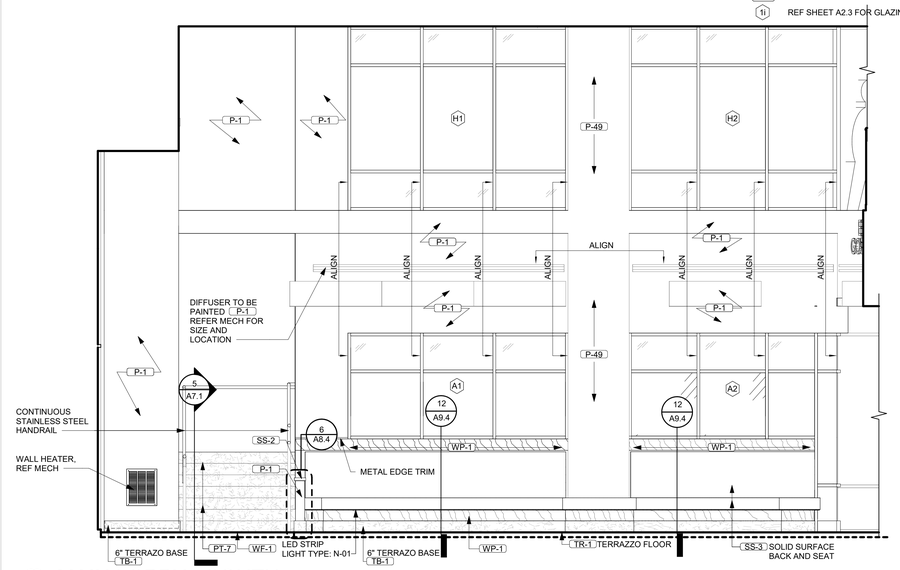
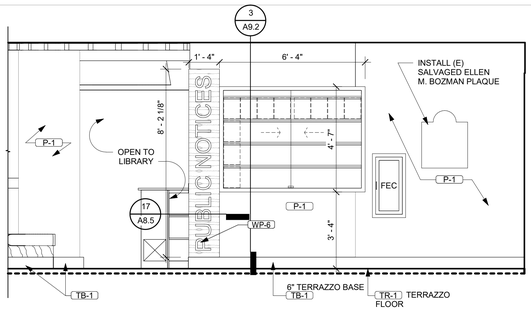


3 MAIN LOBBY - SOUTH
3/8" = 1'-0"



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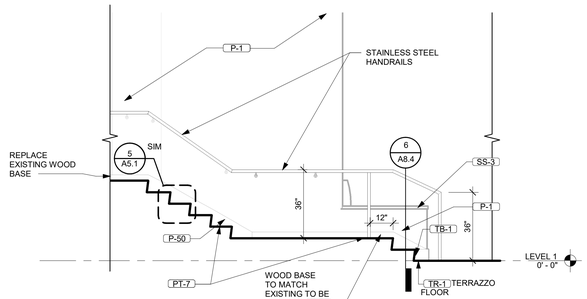

5 INTR. FRONT STAIR - SOUTH
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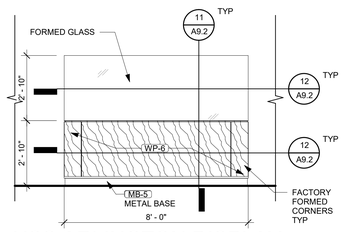
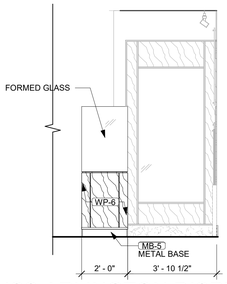
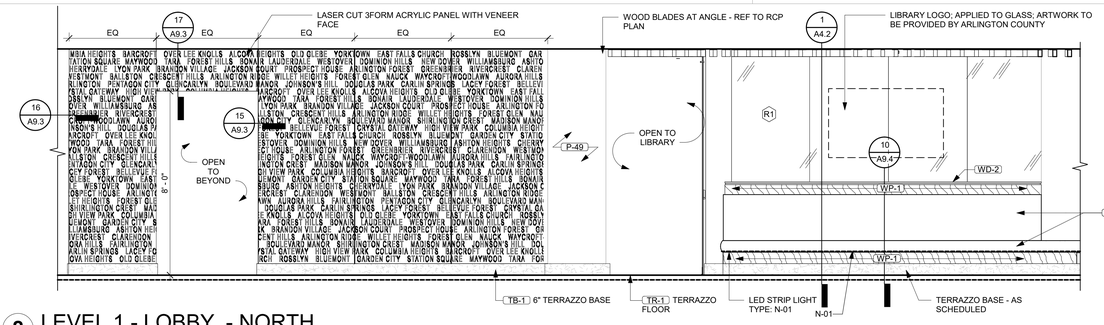


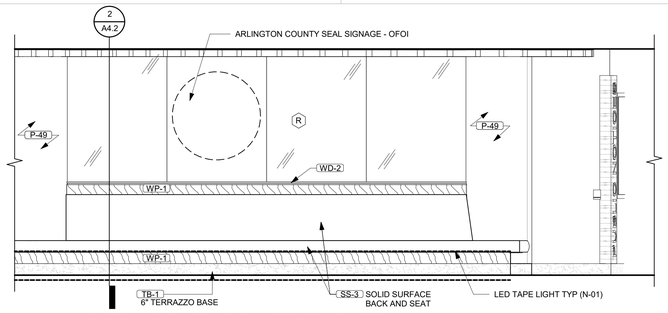
6 USS ARLINGTON DISPLAY CASE - NORTH/SOUTH
3/8" = 1'-0"



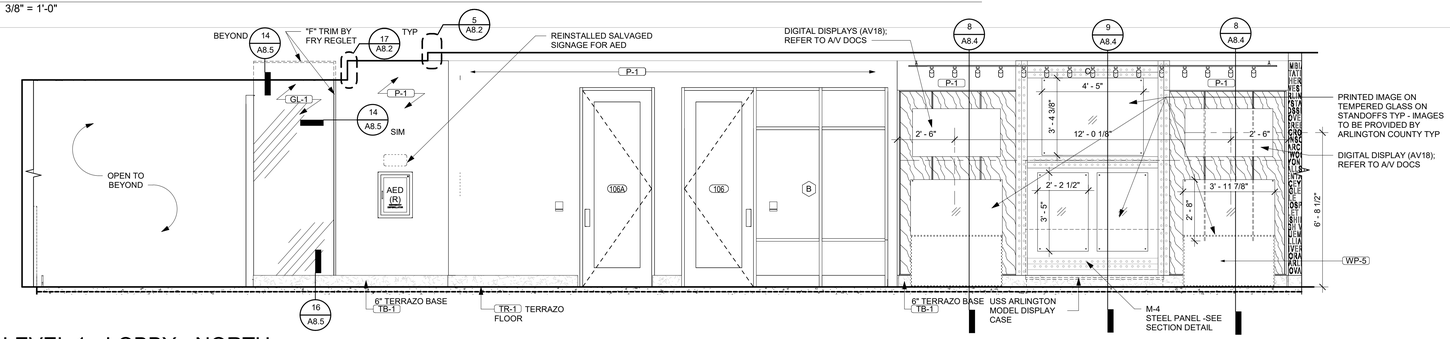
7 USS ARLINGTON DISPLAY CASE -EAST/WEST
3/8" = 1'-0"



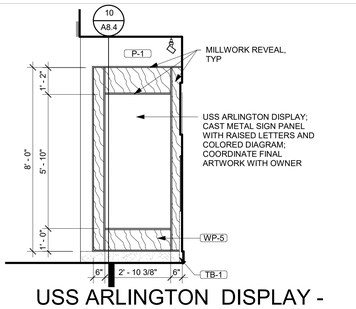
8 LEVEL 1 - LOBBY - NORTH
3/8" = 1'-0"



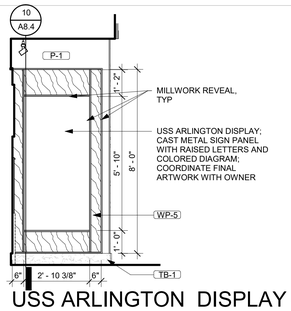
9 114A - LOBBY BENCHES NORTHEAST
3/8" = 1'-0"



10 LEVEL 1 - LOBBY - NORTH
3/8" = 1'-0"



11 USS ARLINGTON DISPLAY - WEST
3/8" = 1'-0"



12 USS ARLINGTON DISPLAY - EAST
3/8" = 1'-0"

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suite 101
reston, virginia 20191
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Construction Documents for:

ARLINGTON COUNTY OFFICES RENOVATIONS
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
PERMIT / BID
Revisions

INTERIOR ELEVATIONS - LOBBY

Scale **As indicated**
Drawn CS
Checked RM

A7.1

PERMIT / BID

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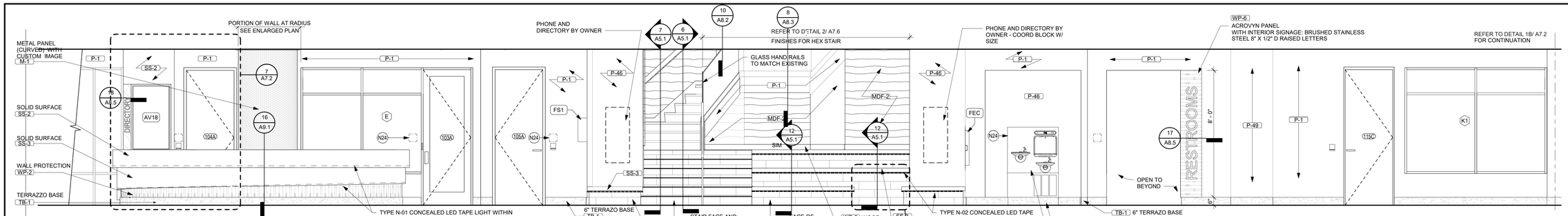

1 MAIN LOBBY (CENTER AREA) - SOUTH
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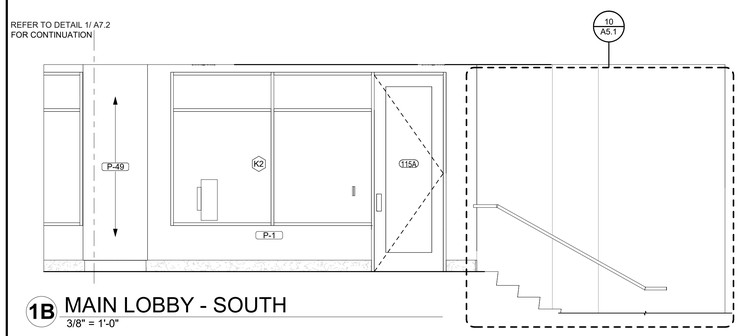

1B MAIN LOBBY - SOUTH
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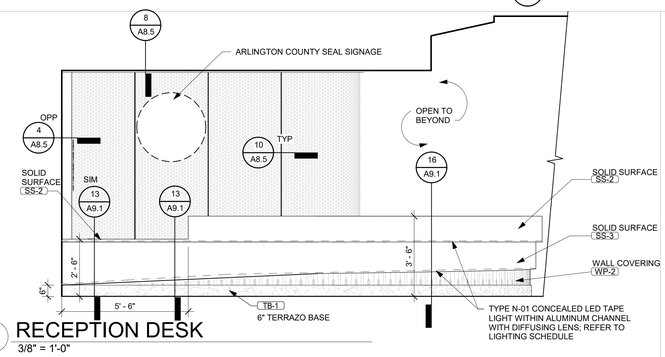
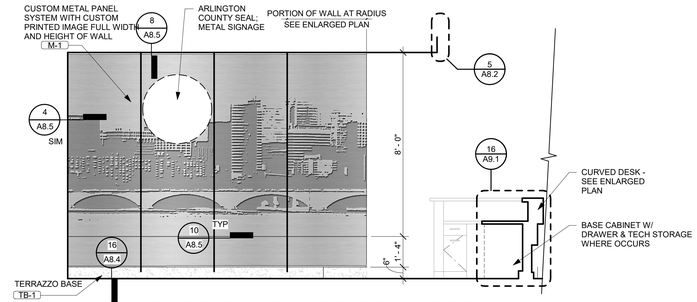


2 RECEPTION DESK
3/8" = 1'-0"



3 METAL PANEL FEATURE - RECEPTION DESK
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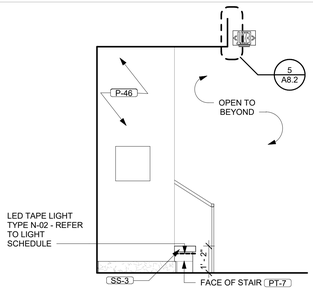

4 MAIN LOBBY (CENTER AREA) - WEST
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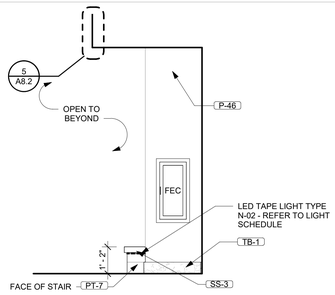
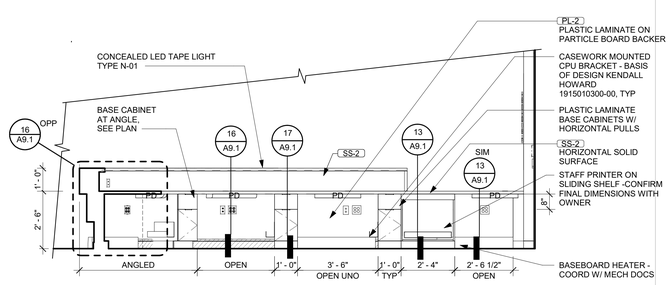


5 MAIN LOBBY (CENTER AREA) - EAST
3/8" = 1'-0"



6 RECEPTION DESK
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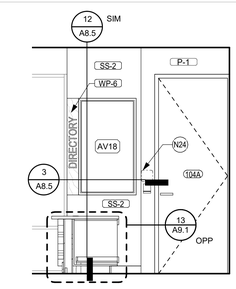
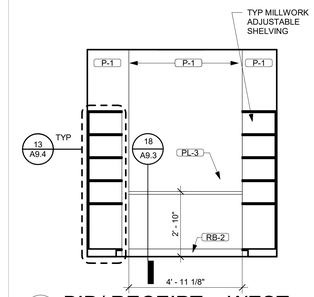


7 102 - RECEPTION - BACK WALL
3/8" = 1'-0"



8 BID/ RECEIPT - WEST
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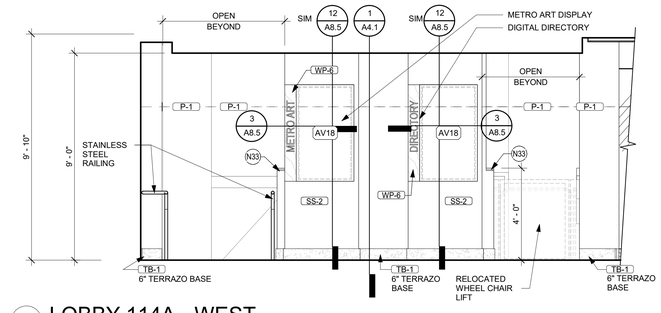
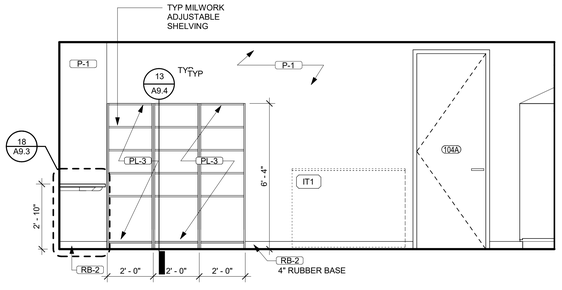
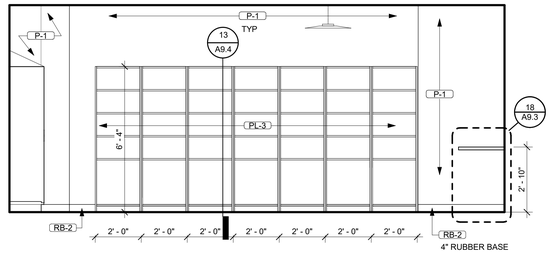


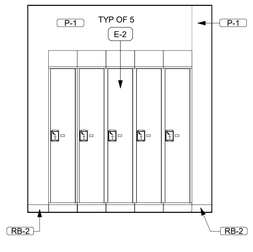
9 LOBBY 114A - WEST
3/8" = 1'-0"



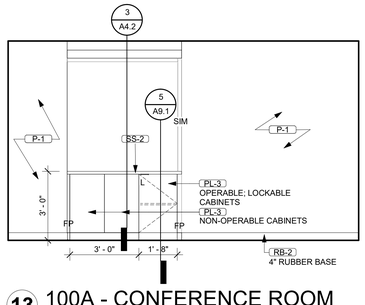
10 BID/RECEIPT - NORTH
3/8" = 1'-0"



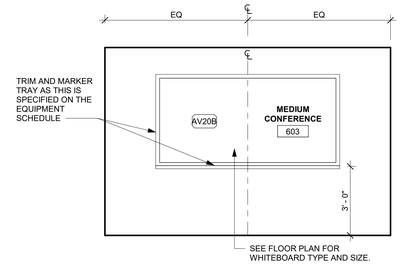
11 BID/RECEIPT - SOUTH
3/8" = 1'-0"



12 BID/ RECEIPT - EAST
3/8" = 1'-0"



13 100A - CONFERENCE ROOM
3/8" = 1'-0"



14 DRY ERASE BOARD ELEVATION
3/8" = 1'-0"

KEYED WORK NOTES

N24	REQUIRED SIGNAGE - OFOI
N33	PONY WALL WITH SOLID SURFACE CAP - REF TO DETAIL 6/A8.4

ELEVATION NOTES:

- REFER SHEET AG1.3 FOR EQUIPMENT SCHEDULE
- REFER SHEET F0.2.1 FOR FINISH SCHEDULE
- 1i PECIALTY EQUIPMENT TAG
- 1i REF SHEET A2.3 FOR GLAZING ELEVATION

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Project: 18029-01

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Revisions

INTERIOR ELEVATIONS - LOBBY

Scale **As indicated**
Drawn Author
Checked Checker

A7.2

PERMIT / BID

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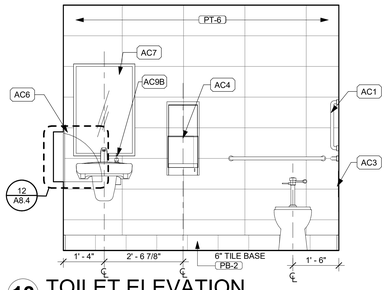
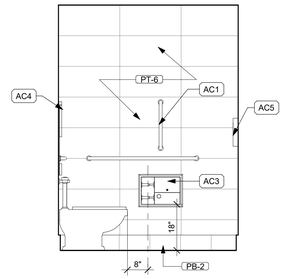
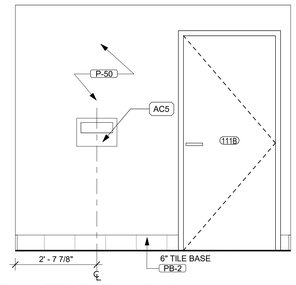


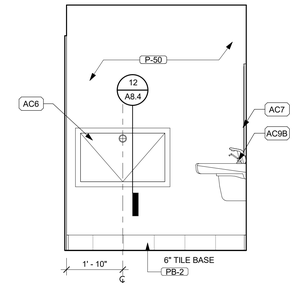
13 TOILET ELEVATION
1/2" = 1'-0"



14 TOILET ELEVATION
1/2" = 1'-0"



15 TOILET ELEVATION
1/2" = 1'-0"



16 TOILET ELEVATION
1/2" = 1'-0"

KEYED WORK NOTES

ELEVATION NOTES:

- REFER SHEET AG1.3 FOR EQUIPMENT SCHEDULE
- REFER SHEET F0.2.1 FOR FINISH SCHEDULE
- 1i PECIALTY EQUIPMENT TAG
- 1i REF SHEET A2.3 FOR GLAZING ELEVATION

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Project: 18029-01

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Revisions

INTERIOR ELEVATIONS - LEVEL 1

Scale **As indicated**
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A7.3

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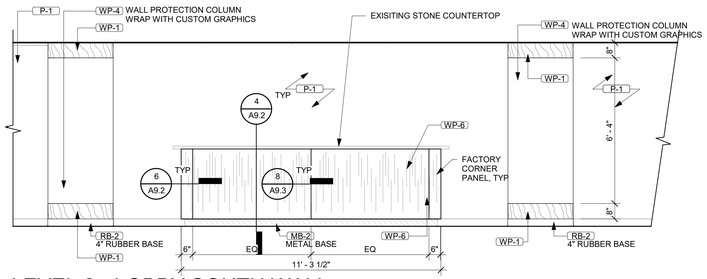
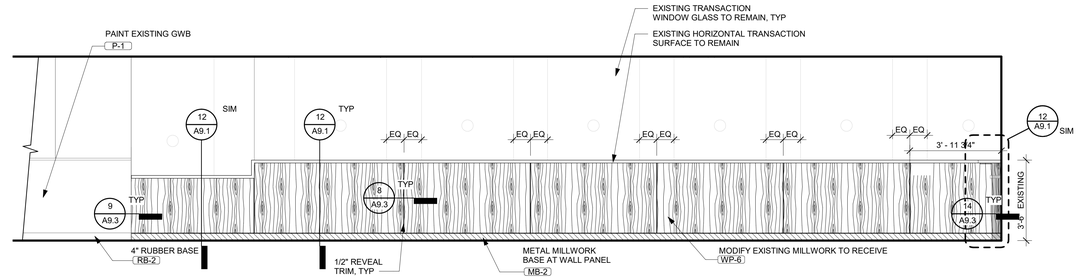
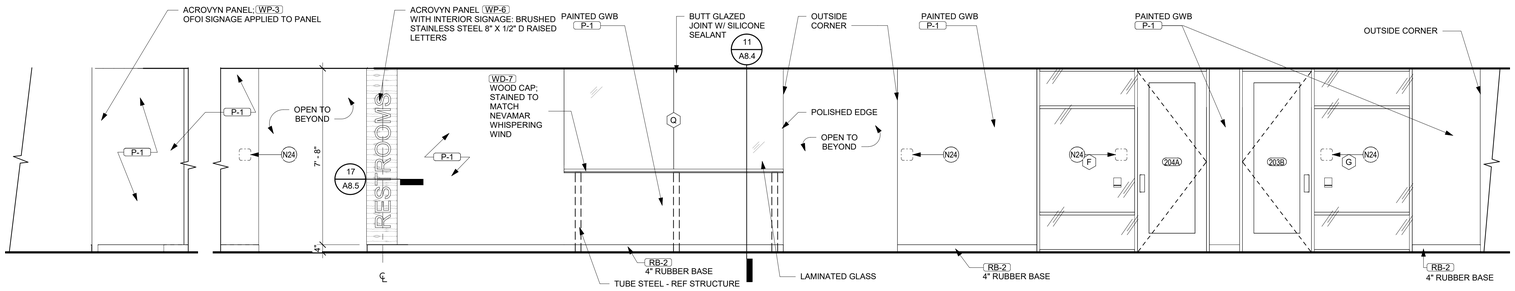


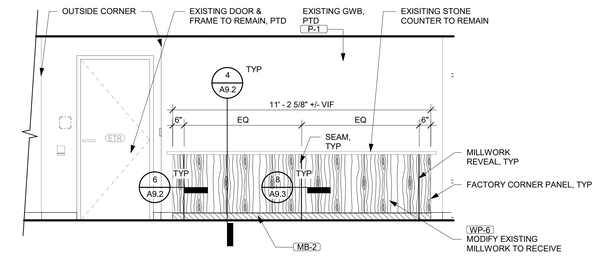
1 LEVEL 2 - LOBBY SOUTH WALL
3/8" = 1'-0"



4 LEVEL 2 - TRANSACTION WINDOWS
3/8" = 1'-0"



3 LEVEL 2 - CUSTOMER CARE & FOCUS RMS
3/8" = 1'-0"



2 LEVEL 2 - CHECK WRITING MILLWORK - NORTH
3/8" = 1'-0"

KEYED WORK NOTES

N24	REQUIRED SIGNAGE - OFOI

ELEVATION NOTES:

- REFER SHEET AG1.3 FOR EQUIPMENT SCHEDULE
- REFER SHEET F0.2.1 FOR FINISH SCHEDULE

1i PECIALTY EQUIPMENT TAG

1i REF SHEET A2.3 FOR GLAZING ELEVATION

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ARLINGTON, VIRGINIA

Project: 18029-01

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Revisions

INTERIOR ELEVATIONS - LEVEL 2

Scale **As indicated**
Drawn CS
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A7.4

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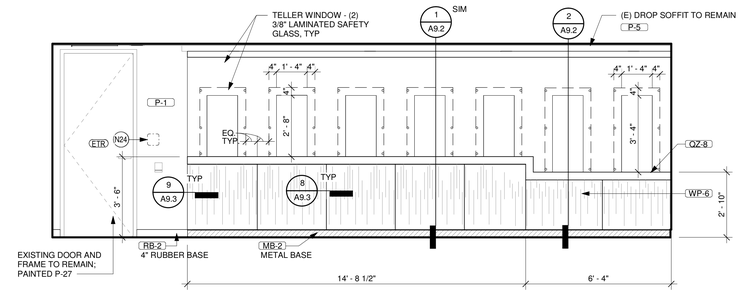
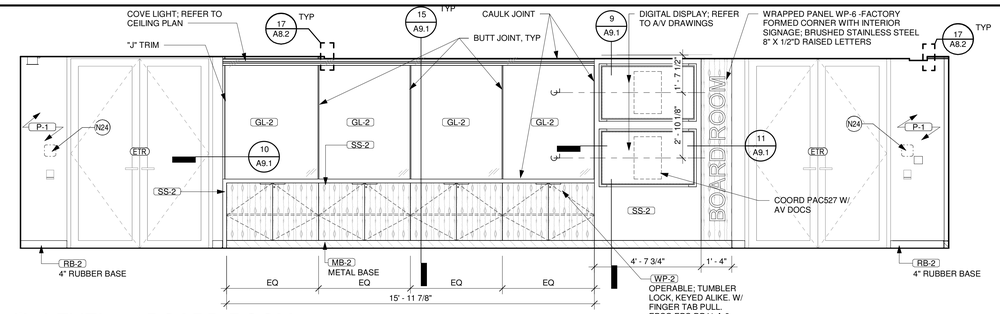


1 320 - VOTER REGISTRATION COUNTER - FRONT
3/8" = 1'-0"



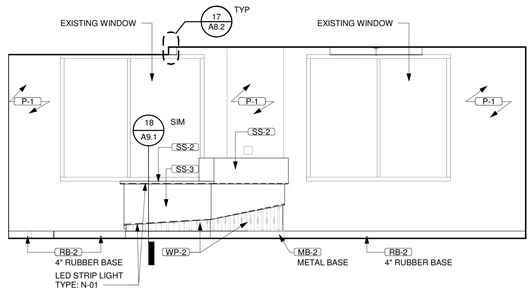
2 LEVEL 3 - BOARD ROOM
3/8" = 1'-0"

KEYED WORK NOTES

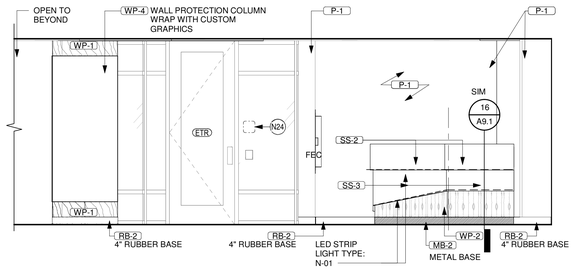
N24	REQUIRED SIGNAGE - OFOI

ELEVATION NOTES:

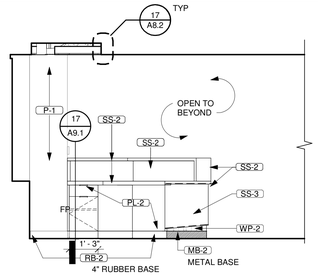
- REFER SHEET AG1.3 FOR EQUIPMENT SCHEDULE
- REFER SHEET F0.2.1 FOR FINISH SCHEDULE
- 1i PECIALTY EQUIPMENT TAG
- 1i REF SHEET A2.3 FOR GLAZING ELEVATION



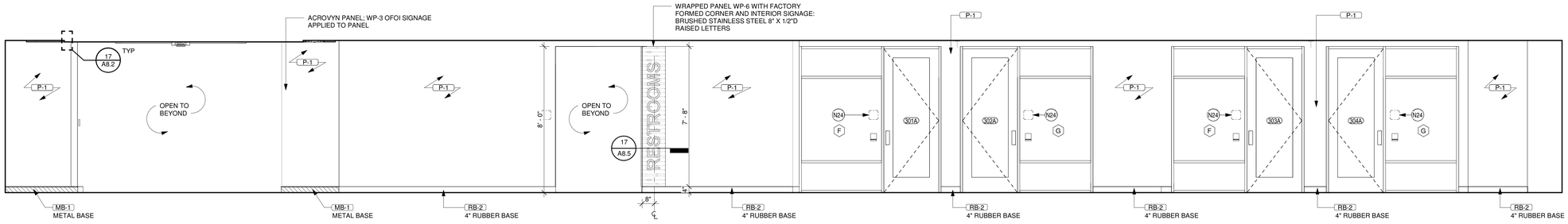
3 LEVEL 3 - INFORMATION DESK
3/8" = 1'-0"



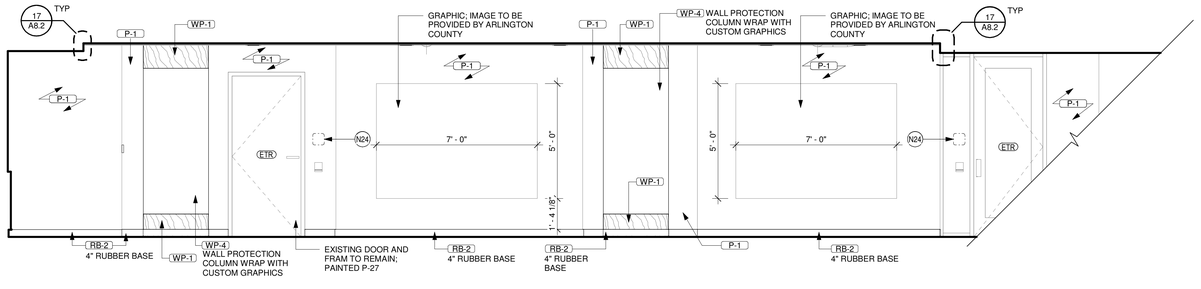
4 LEVEL 3 - INFORMATION DESK AND CONFERENCE
3/8" = 1'-0"



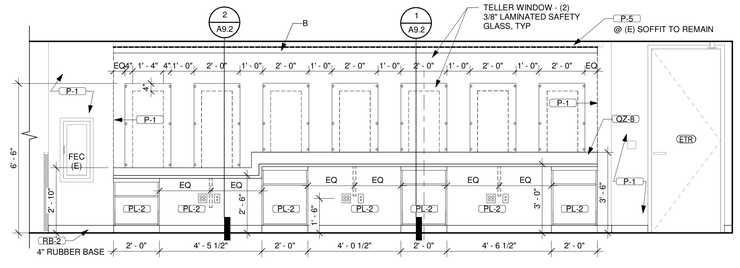
5 LEVEL 3 - INFORMATION DESK AND CONFERENCE
3/8" = 1'-0"



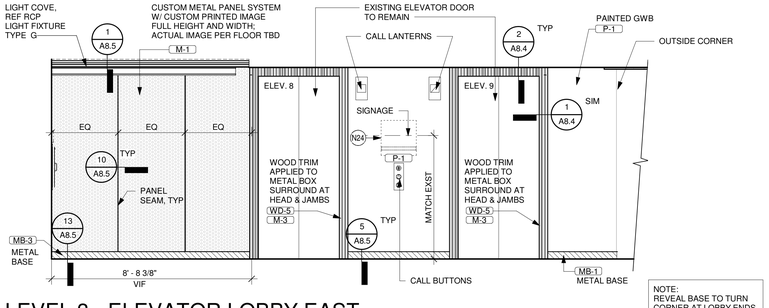
6 LEVEL 3 - LOBBY NORTH
3/8" = 1'-0"



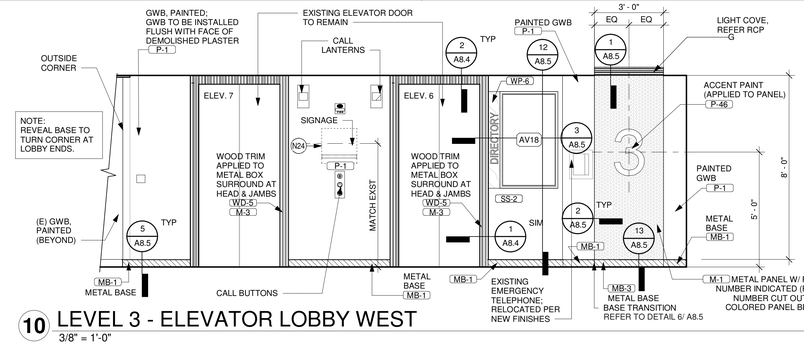
7 LEVEL 3 - LOBBY SOUTH
3/8" = 1'-0"



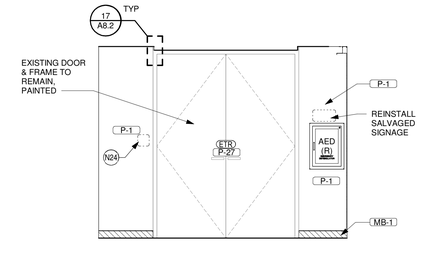
8 LEVEL 3 - VOTER REGISTRATION TELLER SIDE
3/8" = 1'-0"



9 LEVEL 3 - ELEVATOR LOBBY EAST
3/8" = 1'-0"



10 LEVEL 3 - ELEVATOR LOBBY WEST
3/8" = 1'-0"



11 LEVEL 3 - ELEVATOR LOBBY NORTH
3/8" = 1'-0"

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ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
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Revisions

INTERIOR ELEVATIONS. ELEVATOR LOBBY - LEVEL 3.

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A7.5

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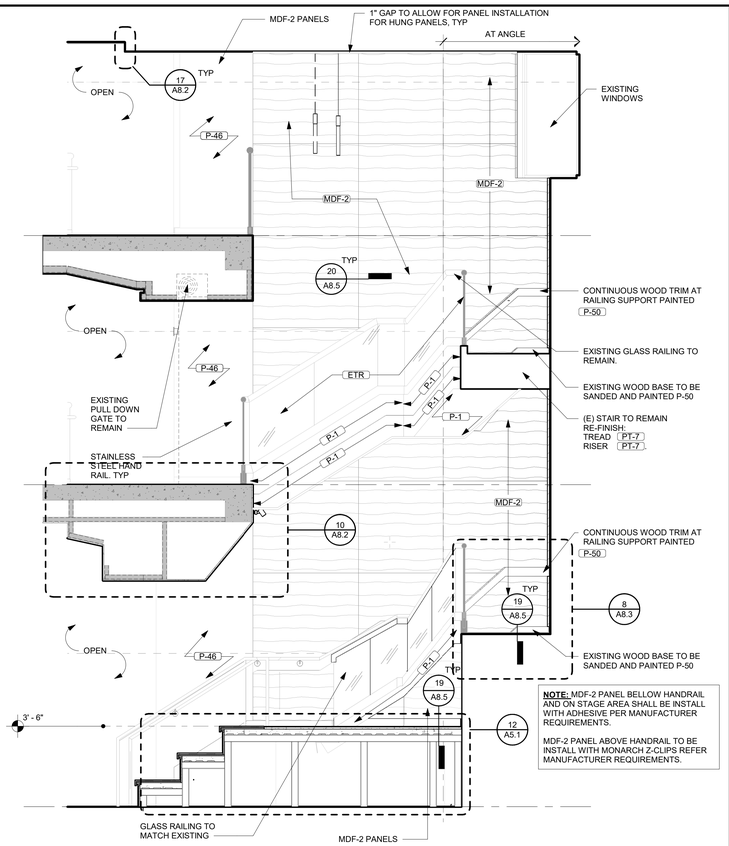
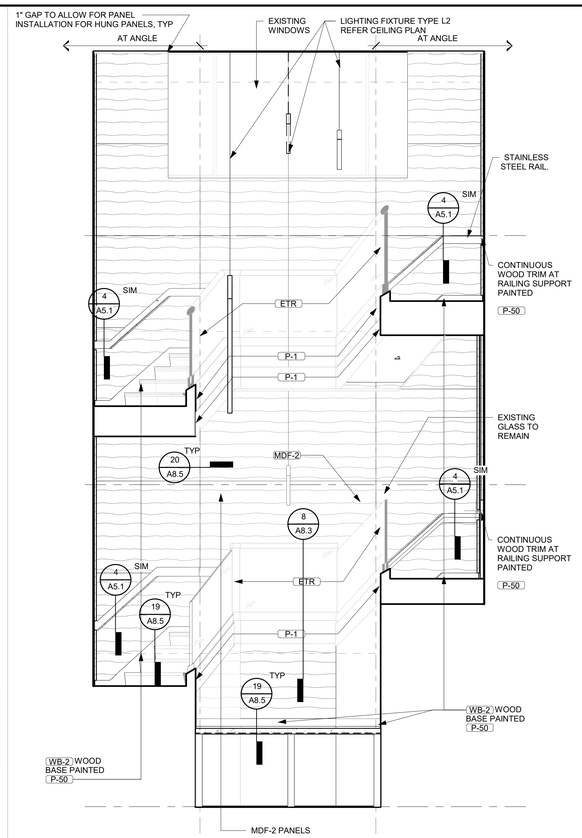


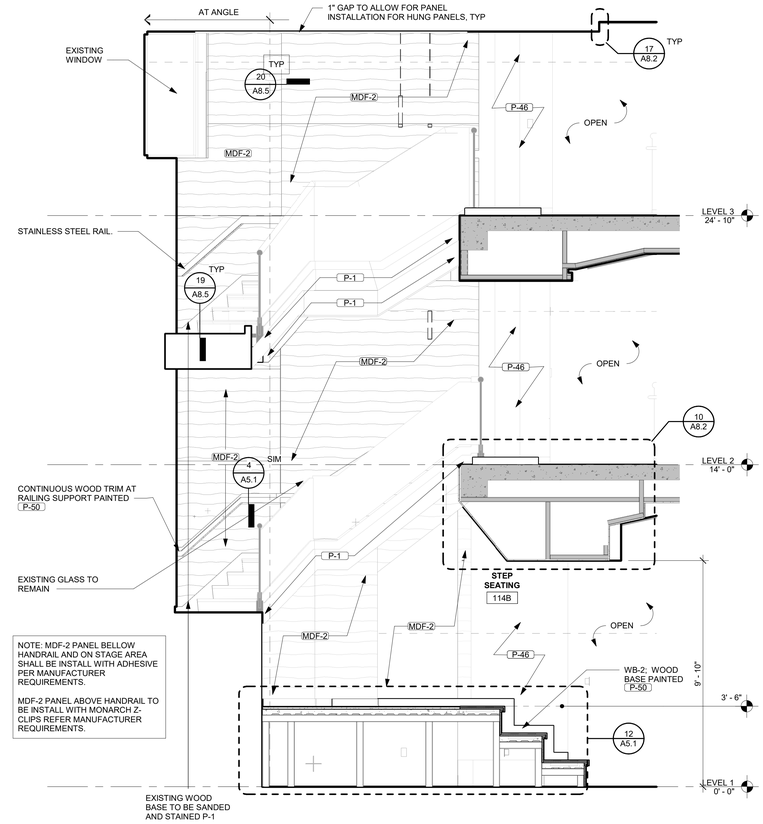
NOTE: MDF-2 PANEL BELLOW HANDRAIL AND ON STAGE AREA SHALL BE INSTALL WITH ADHESIVE PER MANUFACTURER REQUIREMENTS.

MDF-2 PANEL ABOVE HANDRAIL TO BE INSTALL WITH MONARCH Z-CLIPS REFER MANUFACTURER REQUIREMENTS.

1 STAIR SECTION
3/8" = 1'-0"



2 STAIR SECTION
3/8" = 1'-0"



NOTE: MDF-2 PANEL BELLOW HANDRAIL AND ON STAGE AREA SHALL BE INSTALL WITH ADHESIVE PER MANUFACTURER REQUIREMENTS.

MDF-2 PANEL ABOVE HANDRAIL TO BE INSTALL WITH MONARCH Z-CLIPS REFER MANUFACTURER REQUIREMENTS.

3 STAIR SECTION
3/8" = 1'-0"

ELEVATION NOTES:

- REFER SHEET AG1.3 FOR EQUIPMENT SCHEDULE
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Revisions

INTERIOR ELEVATIONS - MIDDLE STAIR

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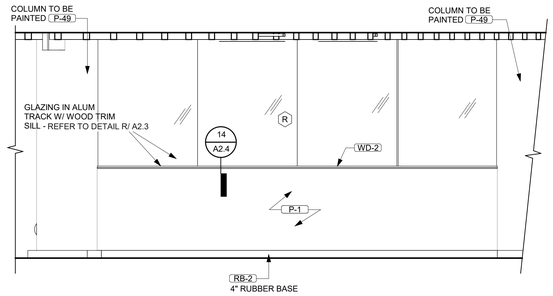
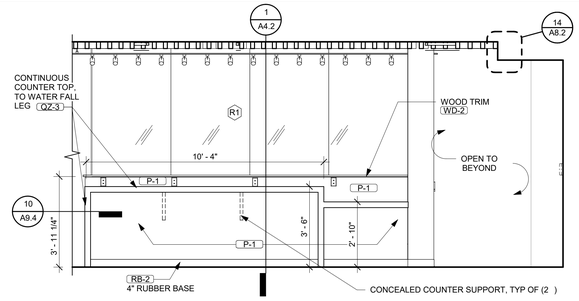
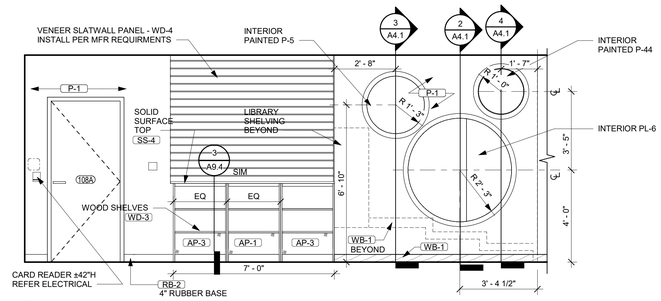


1A LIBRARY - FACING SOUTH
3/8" = 1'-0"



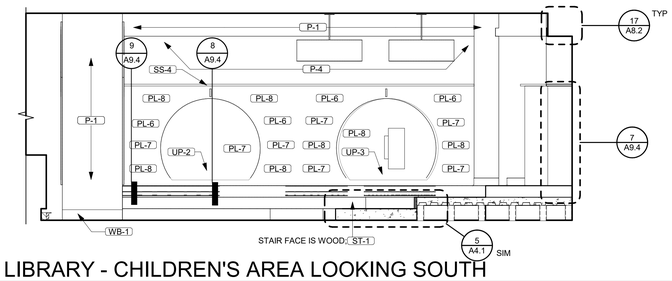
1B LIBRARY COMPUTERS - SOUTH
3/8" = 1'-0"



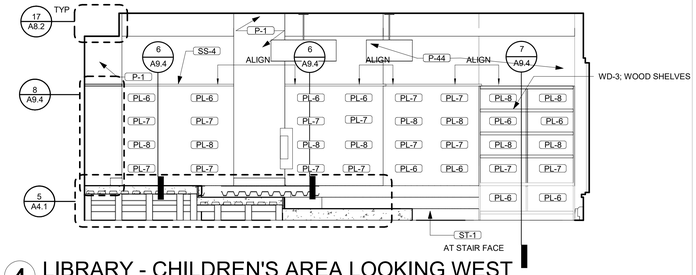
2 LIBRARY - RETAIL EAST
3/8" = 1'-0"

ELEVATION NOTES:

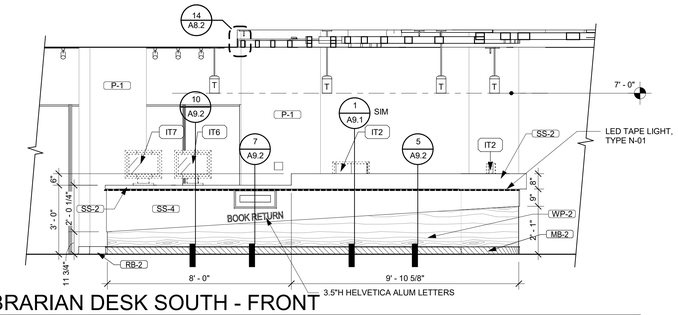
- REFER SHEET AG1.3 FOR EQUIPMENT SCHEDULE
- REFER SHEET F0.2.1 FOR FINISH SCHEDULE
- 1i PECIALTY EQUIPMENT TAG
- 1i REF SHEET A2.3 FOR GLAZING ELEVATION



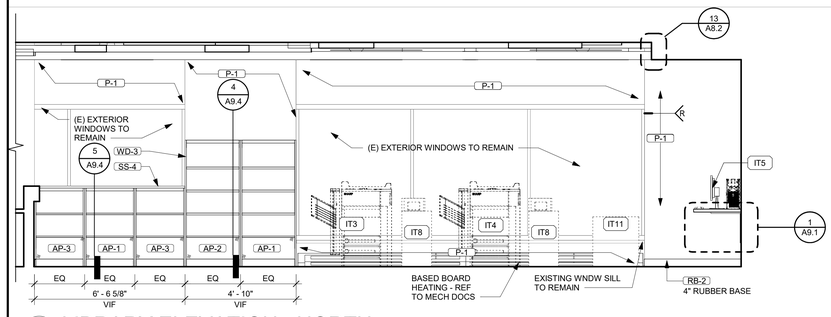
3 LIBRARY - CHILDREN'S AREA LOOKING SOUTH
3/8" = 1'-0"



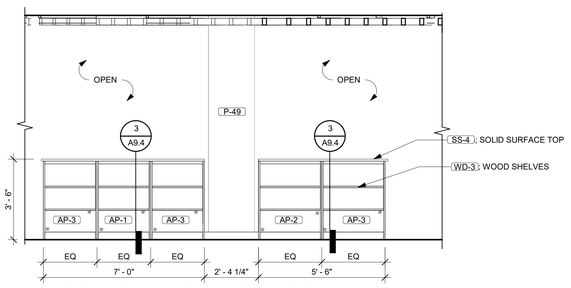
4 LIBRARY - CHILDREN'S AREA LOOKING WEST
3/8" = 1'-0"



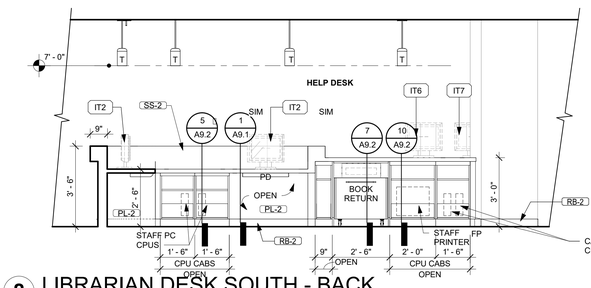
5 LIBRARIAN DESK SOUTH - FRONT
3/8" = 1'-0"



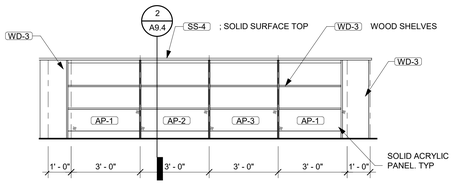
6 LIBRARY ELEVATION - NORTH
3/8" = 1'-0"



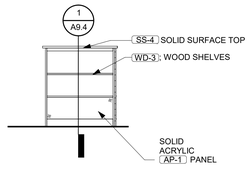
7 LIBRARY CENTER SHELVES EAST
3/8" = 1'-0"



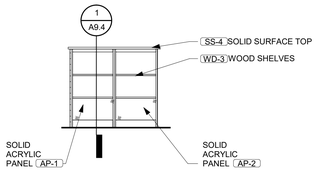
8 LIBRARIAN DESK SOUTH - BACK
3/8" = 1'-0"



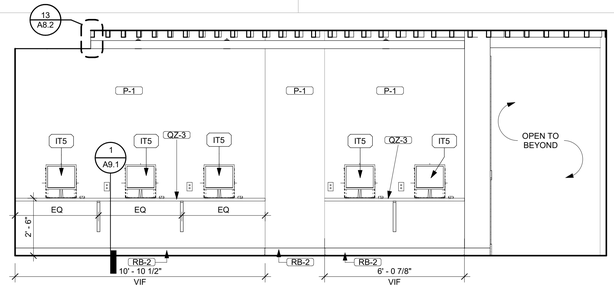
9 LIBRARY - SEATING TYPE 1
3/8" = 1'-0"



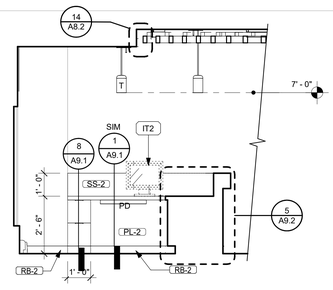
10 LIBRARY SEATING
3/8" = 1'-0"



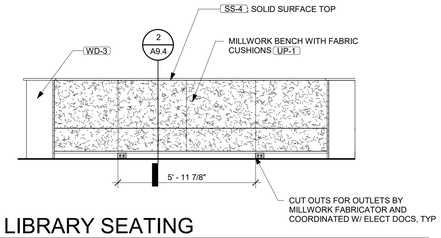
11 LIBRARY SEATING
3/8" = 1'-0"



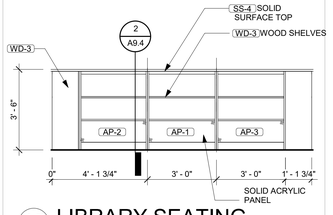
12 LIBRARY - COMPUTER EAST
3/8" = 1'-0"



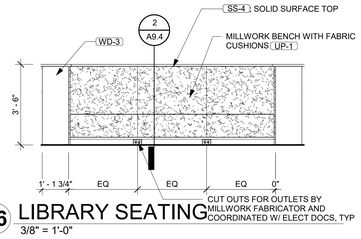
13 LIBRARIAN DESK EAST - BACK
3/8" = 1'-0"



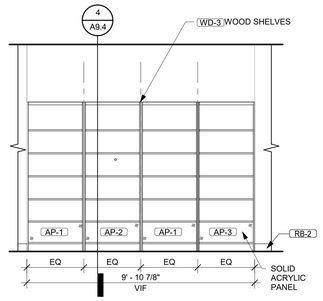
14 LIBRARY SEATING
3/8" = 1'-0"



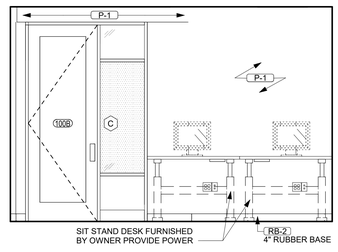
15 LIBRARY SEATING
3/8" = 1'-0"



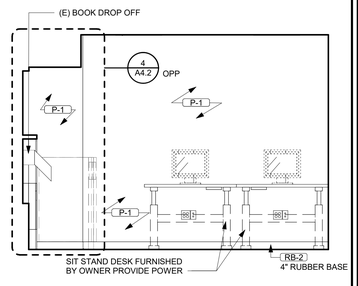
16 LIBRARY SEATING
3/8" = 1'-0"



17 SHELVING - DISPLAY
3/8" = 1'-0"



1 100B - LIBRARY OFFICE WEST
3/8" = 1'-0"



18 100B - LIBRARY OFFICE EAST
3/8" = 1'-0"

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Project: 18029-01

Issued 05/26/21
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Revisions

INTERIOR ELEVATIONS - LIBRARY

Scale **As indicated**
Drawn CR
Checked RM

A7.7

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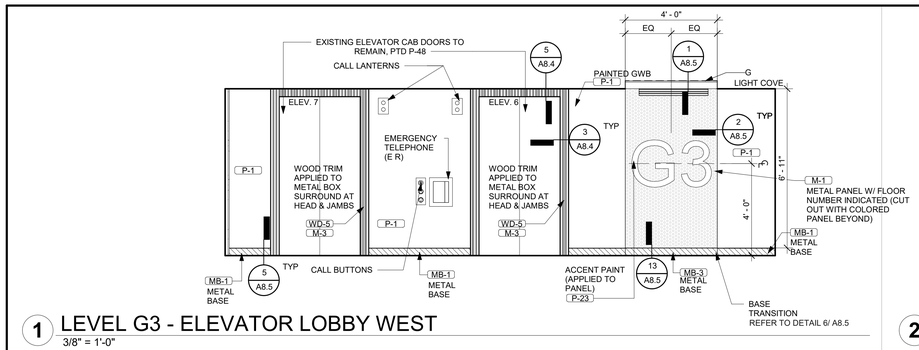
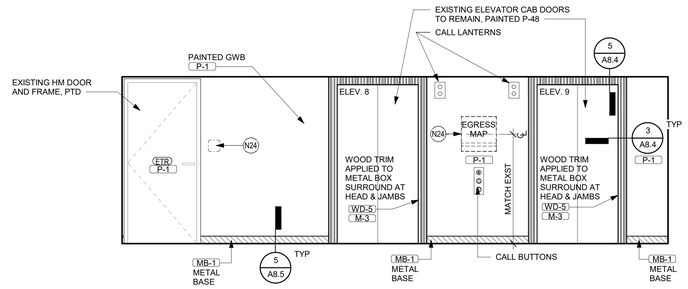


1 LEVEL G3 - ELEVATOR LOBBY WEST
3/8" = 1'-0"



2 LEVEL G3 - ELEVATOR LOBBY EAST
3/8" = 1'-0"

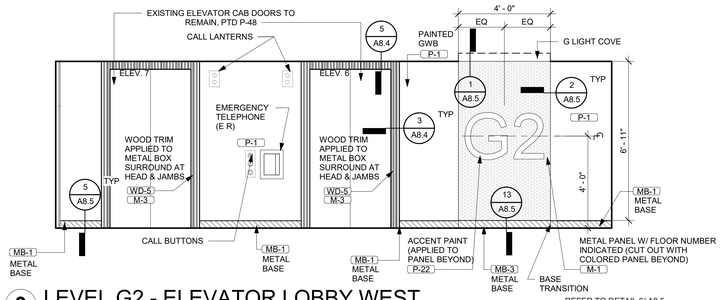
ELEVATION NOTES:

- REFER SHEET AG1.3 FOR EQUIPMENT SCHEDULE
- REFER SHEET F0.2.1 FOR FINISH SCHEDULE
- 1i PECIALTY EQUIPMENT TAG
- 1i REF SHEET A2.3 FOR GLAZING ELEVATION

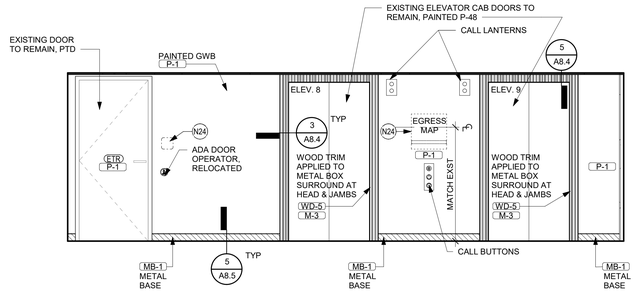
KEYED WORK NOTES

N24	REQUIRED SIGNAGE - OFOI

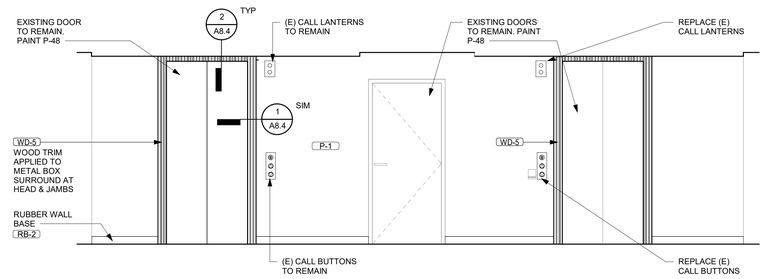
NOTE:
ELEVATORS #1, #6, #7, #8 AND #9 TO RECEIVEVE NEW CALL BUTTONS AND LANTERNS ON FLOORS G3 THROUGH 10 TO MATCH EXISTING CALL BUTTONS AND LANTERNS ON ELEVATORS 3 AND 5 ON FLOOR 6.



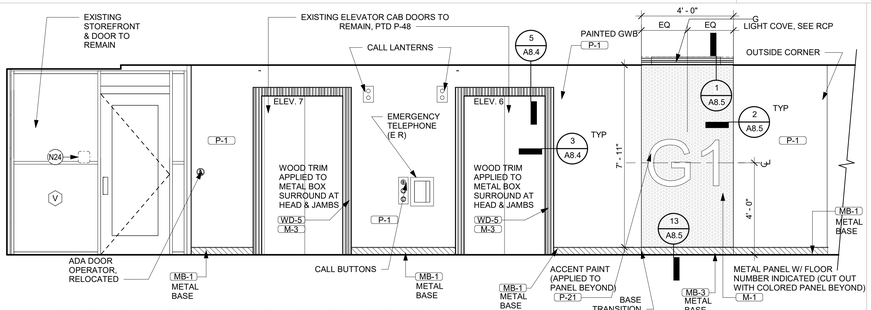
3 LEVEL G2 - ELEVATOR LOBBY WEST
3/8" = 1'-0"



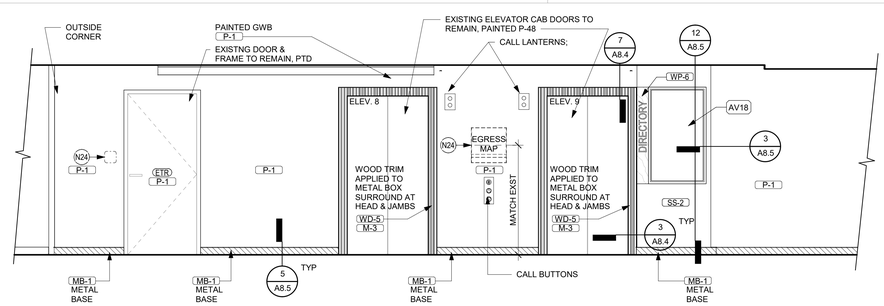
4 LEVEL G2 - ELEVATOR LOBBY EAST
3/8" = 1'-0"



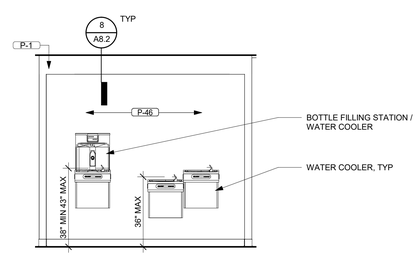
13 LEVEL 2 - ELEVATOR ENTRANCE
3/8" = 1'-0"



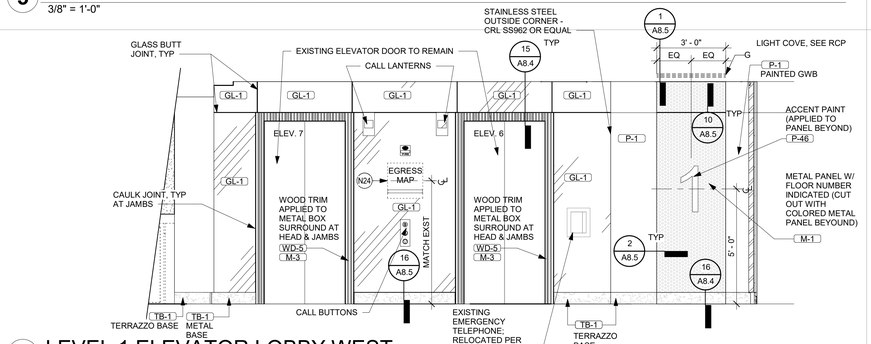
5 LEVEL G1 - ELEVATOR LOBBY WEST
3/8" = 1'-0"



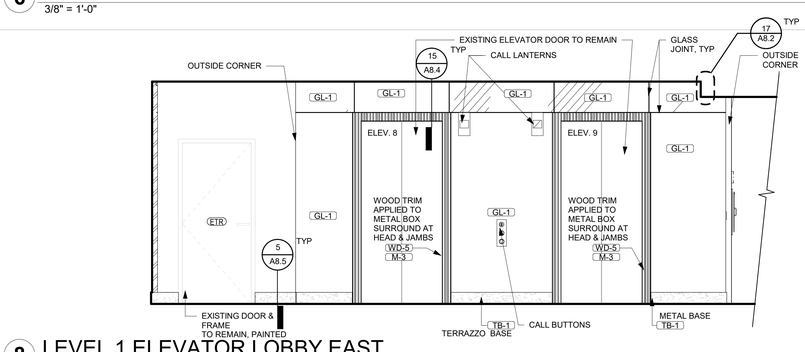
6 LEVEL G1 - ELEVATOR LOBBY EAST
3/8" = 1'-0"



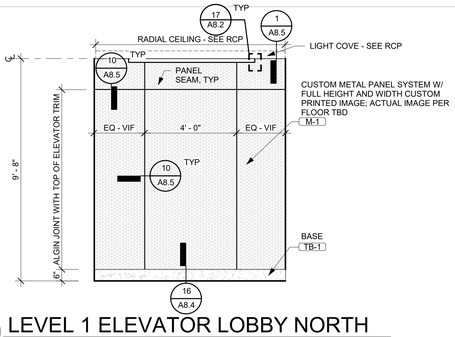
14 TYP WATER COOLER
3/8" = 1'-0"



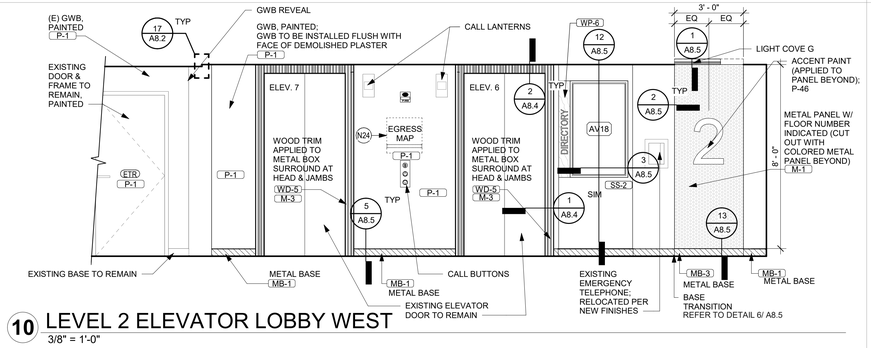
7 LEVEL 1 ELEVATOR LOBBY WEST
3/8" = 1'-0"



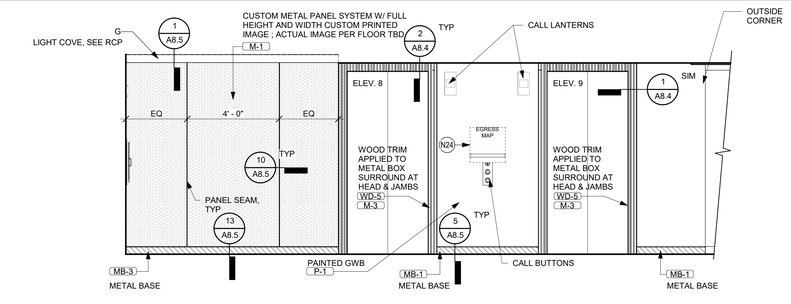
8 LEVEL 1 ELEVATOR LOBBY EAST
3/8" = 1'-0"



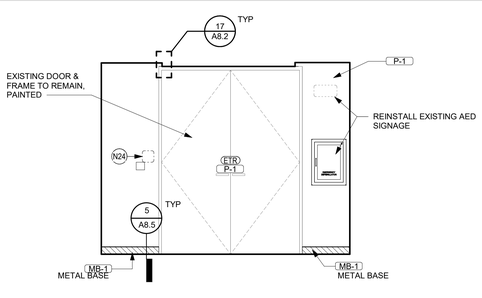
9 LEVEL 1 ELEVATOR LOBBY NORTH
3/8" = 1'-0"



10 LEVEL 2 ELEVATOR LOBBY WEST
3/8" = 1'-0"



11 LEVEL 2 ELEVATOR LOBBY EAST
3/8" = 1'-0"



12 LEVEL 2 ELEV LOBBY NORTH
3/8" = 1'-0"

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ARLINGTON, VIRGINIA

Project: 18029-01

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Revisions

INTERIOR ELEVATIONS - ELEVATOR LOBBIES

Scale **As indicated**
Drawn CR
Checked RM

A7.8

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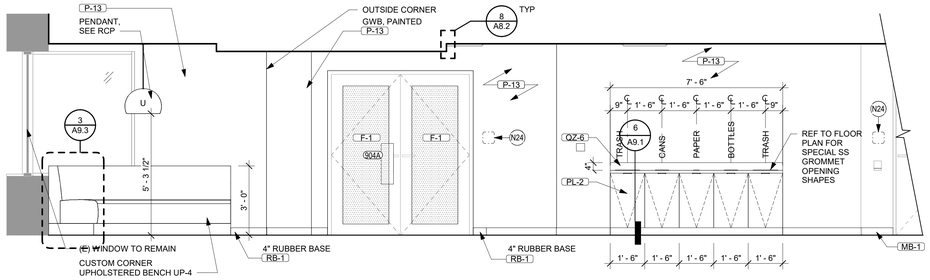
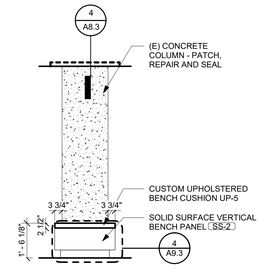
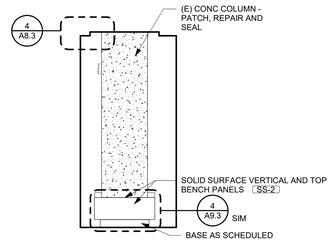


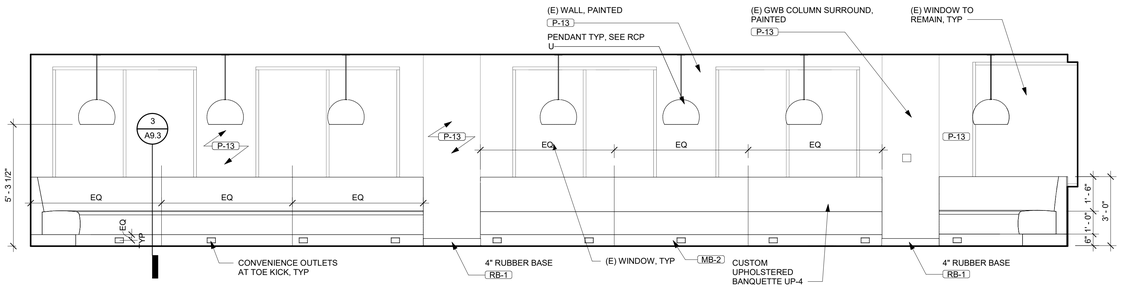
1 LEVEL 9 - PANTRY WEST WALL
3/8" = 1'-0"



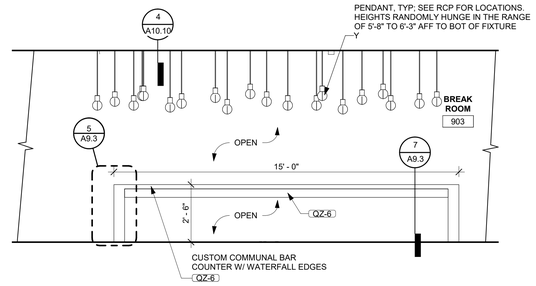
2 BREAKRM BENCH -WEST END
3/8" = 1'-0"



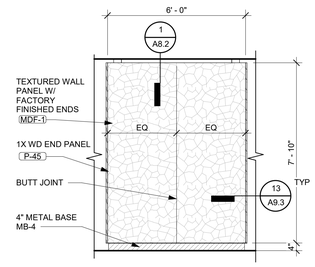
3 BREAKRM BENCH - EAST END
3/8" = 1'-0"



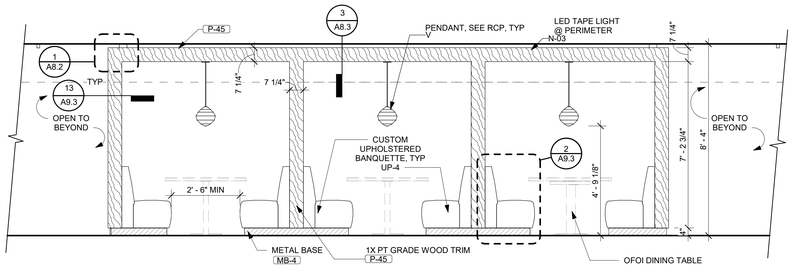
4 LEVEL 9 - BREAKROOM SOUTH SEATING
3/8" = 1'-0"



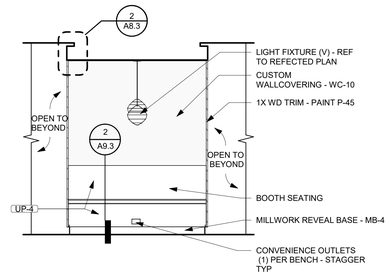
5 903 BREAK RM COMMUNAL TABLEL TABLE
3/8" = 1'-0"



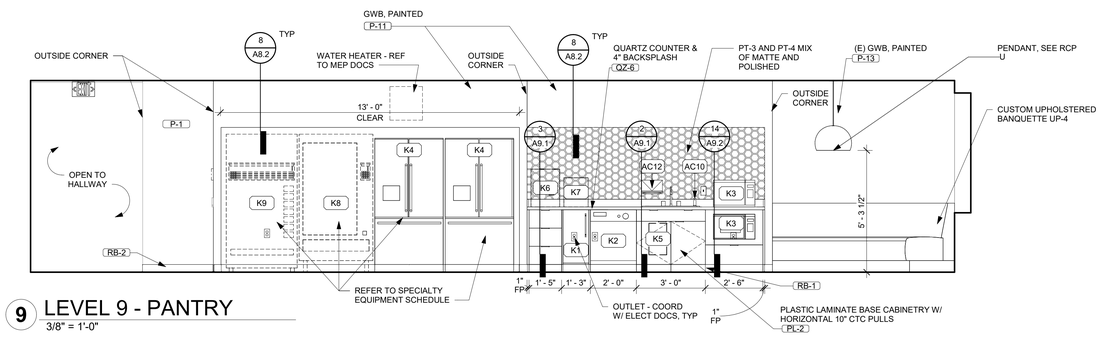
6 PANTRY BOOTH END ELEV
3/8" = 1'-0"



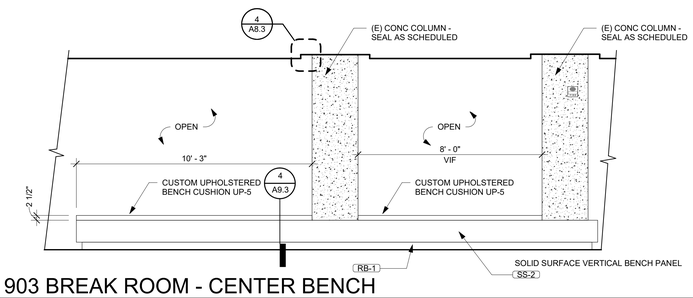
7 903 BREAK ROOM BOOTHS NORTH
3/8" = 1'-0"



8 BREAK RM - BOOTH
3/8" = 1'-0"



9 LEVEL 9 - PANTRY
3/8" = 1'-0"



10 903 BREAK ROOM - CENTER BENCH
3/8" = 1'-0"

KEYED WORK NOTES

N24	REQUIRED SIGNAGE - OFOI

ELEVATION NOTES:

- REFER SHEET AG1.3 FOR EQUIPMENT SCHEDULE
- REFER SHEET F0.2.1 FOR FINISH SCHEDULE
- 1i PECIALTY EQUIPMENT TAG
- 1i REF SHEET A2.3 FOR GLAZING ELEVATION

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INTERIOR ELEVATIONS - LEVEL 9 BREAK RM

Scale **As indicated**
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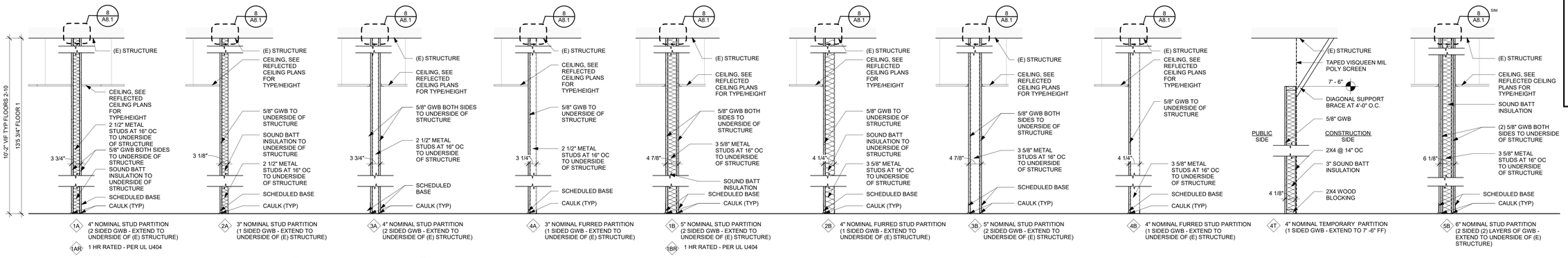
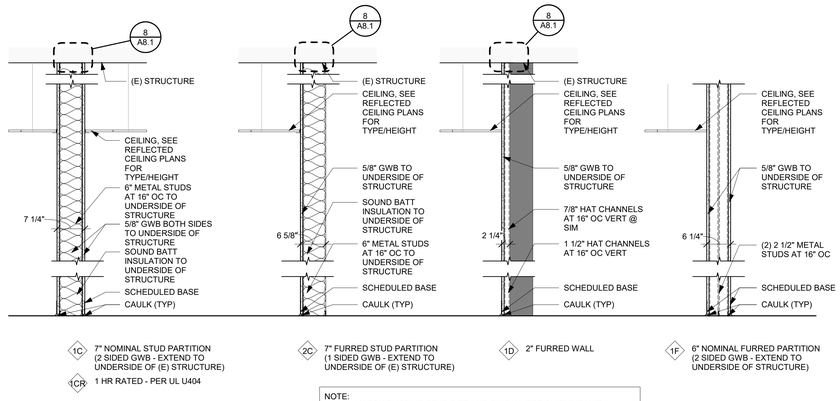
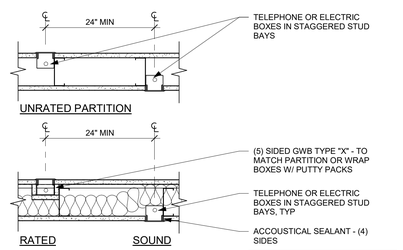




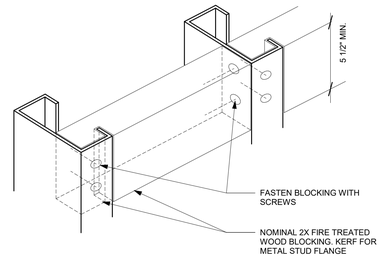
NOTE:
- MATCH EXISTING STUD SIZE AND GWB WHERE ALIGNING WITH EXISTING ADJACENT WALLS.
- WHERE CERAMIC TILE IS SCHEDULED, PROVIDE GLASS-MAT, WATER-RESISTANT BACKING BOARD IN PLACE OF GYPSUM WALL BOARD.
- SEE ELEVATIONS AND FINISH SCHEDULE FOR WALL FINISH

1 PARTITION TYPES
3/4" = 1'-0"



NOTE:
COORDINATE WITH ELECT POWER PLAN REQUIREMENTS, TYP

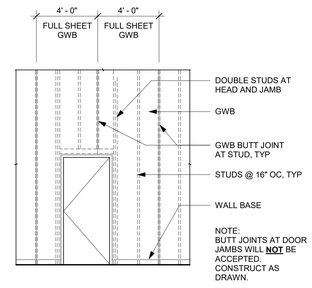
2 TYP ADJ ELECTRICAL BOXES
1 1/2" = 1'-0"



NOTE:
EXTENT OF BLOCKING VARIES WITH SIZE AND TYPE OF EQUIPMENT WHICH SHALL BE MOUNTED

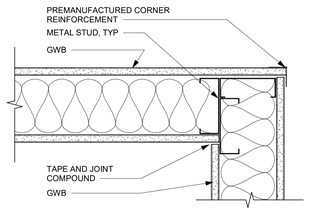
REFER TO DETAIL 1/ A9.3

3 TYP BLOCKING
3" = 1'-0"

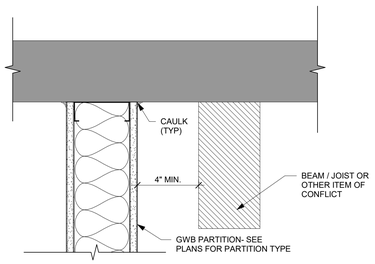


NOTE:
BUTT JOINTS AT DOOR JAMBS WILL **NOT** BE ACCEPTED. CONSTRUCT AS DRAWN.

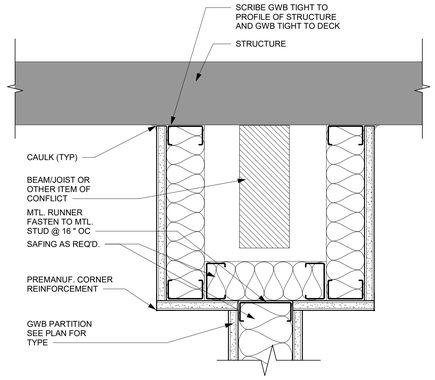
4 TYP INTERIOR DOOR FRAMING
1/4" = 1'-0"



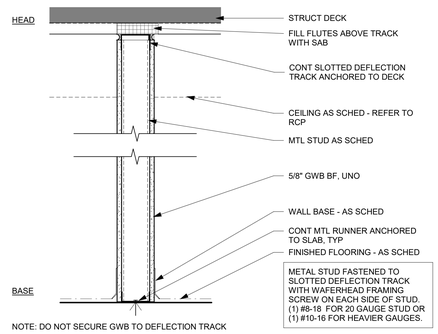
5 TYP CORNER DETAIL
3" = 1'-0"



6 TYP PART PARALLEL TO OBSTRUCTION
3" = 1'-0"

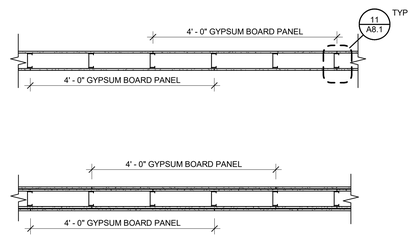


7 TYP PART UNDER OBSTRUCTION
3" = 1'-0"



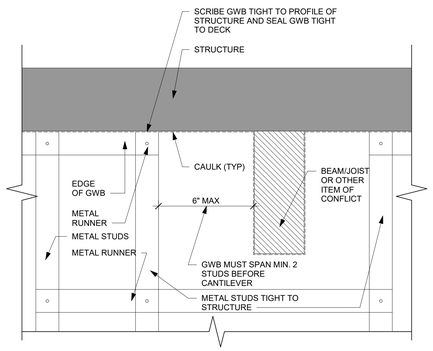
NOTE: DO NOT SECURE GWB TO DEFLECTION TRACK

8 TYP TOP TRACK
1 1/2" = 1'-0"

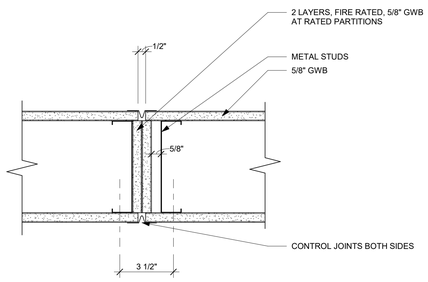


*NOTE: STAGGER VERTICAL JOINTS TO OCCUR OVER DIFFERENT STUDS ON OPPOSITE SIDES OF PARTITION. STAGGER JOINTS OF 2ND LAYER FROM 1ST LAYER.

9 TYP GWB JOINT
3/4" = 1'-0"

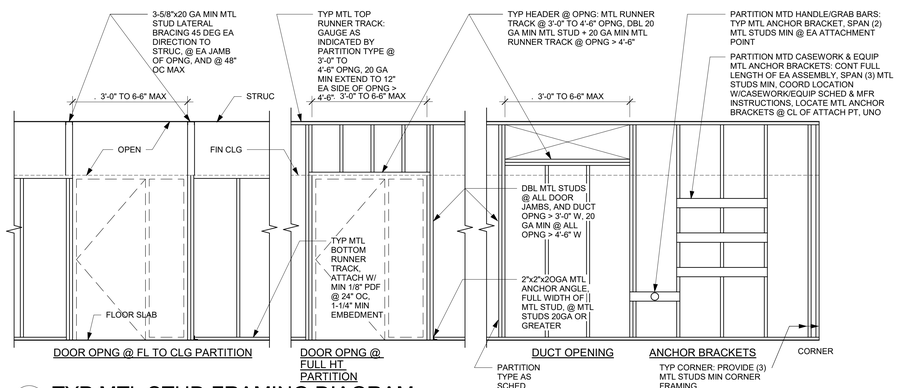


10 TYP PART PERP TO OBSTRUCTION
3" = 1'-0"

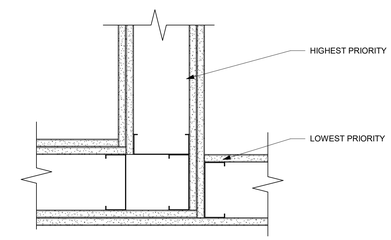


NOTE: PROVIDE AT 20'-0" OC TYPICAL, ALONG LENGTH OF COORIDOR WALLS REF TO FLOOR PLANS FOR LOCATIONS

11 PART-GWB CONTROL JOINT
3" = 1'-0"



12 TYP MTL STUD FRAMING DIAGRAM
3/8" = 1'-0"



WALL PRIORITY LEGEND	
2 HR FIRE AND SMOKE WALL	PRIORITY 1
2 HR FIRE WALL	PRIORITY 2
2 HR SHAFT WALL	PRIORITY 2
1 HR FIRE AND SMOKE WALL	PRIORITY 3
1 HR FIRE WALL	PRIORITY 4
NON-RATED WALL	PRIORITY 5

13 PARTITION PRIORITY
3" = 1'-0"

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ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
PERMIT / BID
Revisions

PARTITION TYPES AND DETAILS

Scale **As indicated**
Drawn AP
Checked RM

A8.1

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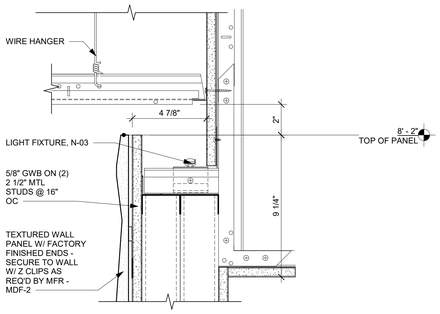
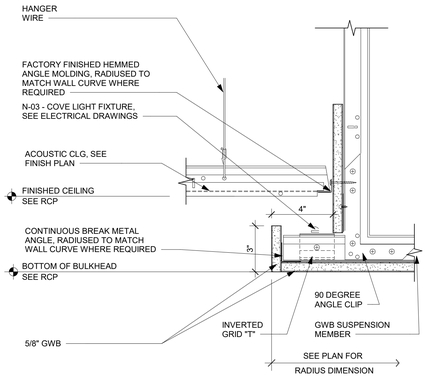
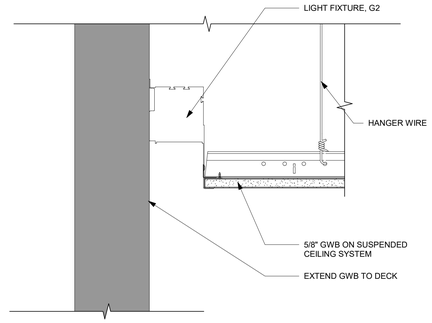


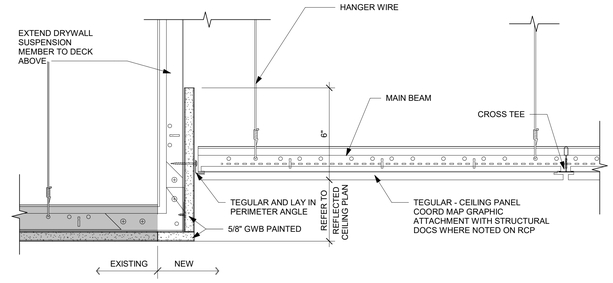
1 COVE DETAIL @ BREAKROOM
3" = 1'-0"



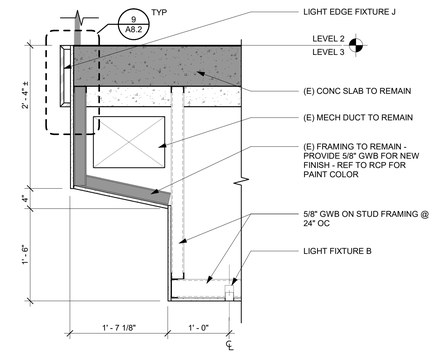
2 COVE LIGHTING DETAIL
3" = 1'-0"



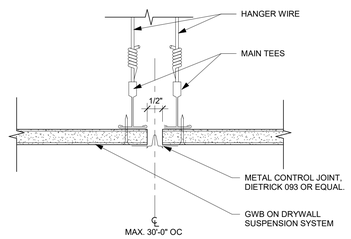
3 COVE LIGHT @ EXISTING
3" = 1'-0"



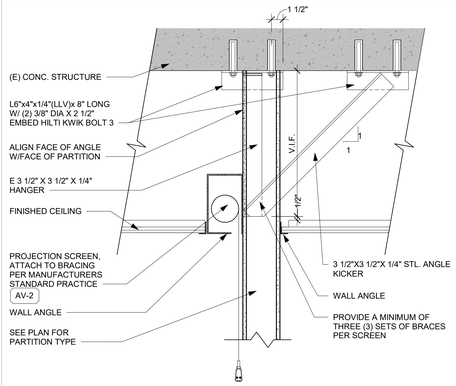
4 MAP GRAPHIC CEILING TRANSITION
3" = 1'-0"



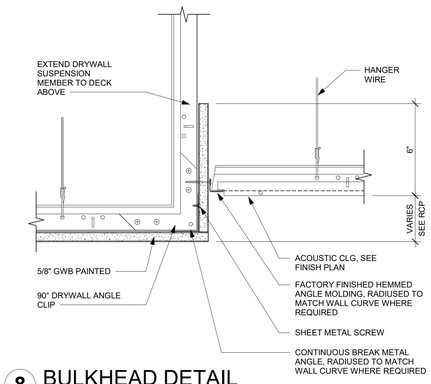
5 LIGHT EDGE DETAIL
1" = 1'-0"



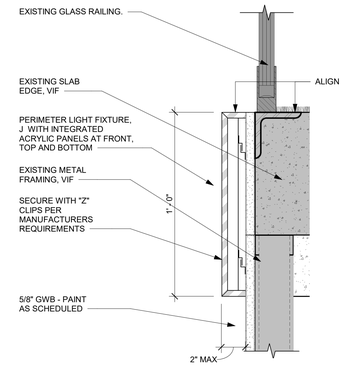
6 GWB CEILING CONTROL JOINT
6" = 1'-0"



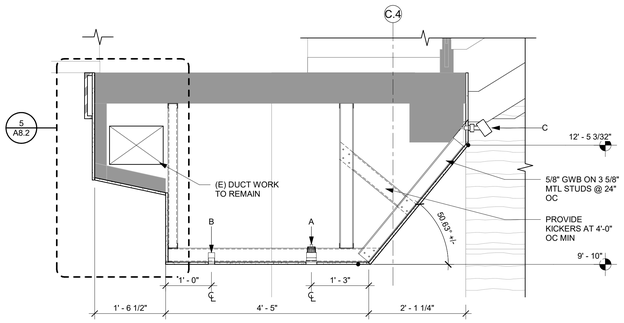
7 DA LITE PROJECTOR SCREEN @ WALL
1 1/2" = 1'-0"



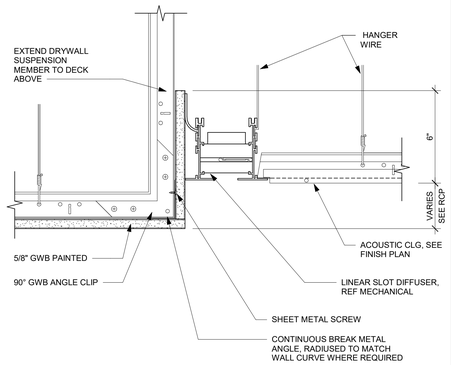
8 BULKHEAD DETAIL
3" = 1'-0"



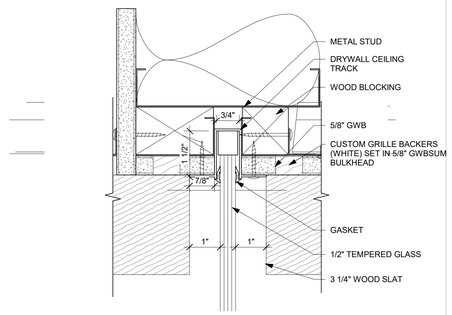
9 LIGHT EDGE DETAIL
3" = 1'-0"



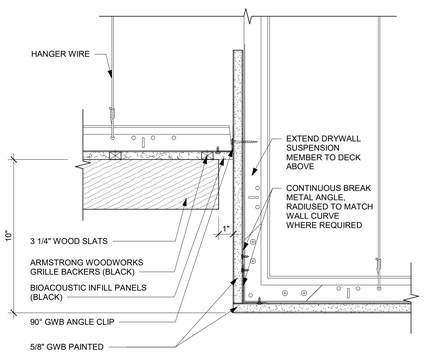
10 SOFFIT @ HEX STAIR
3/4" = 1'-0"



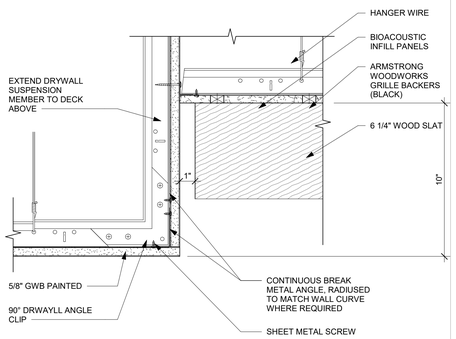
11 CONFERENCE RM BULKHEAD DETAIL
3" = 1'-0"



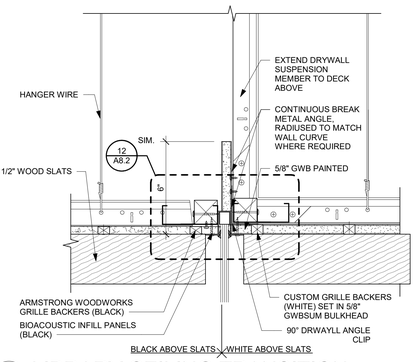
12 CEILING GLAZING TRACK
6" = 1'-0"



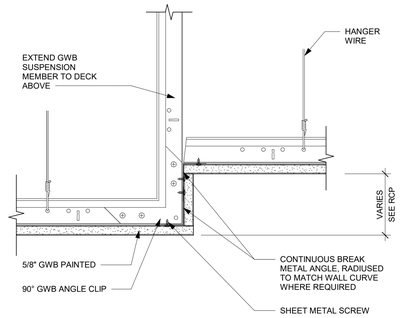
13 LIBRARY CEILING TRANSITION
3" = 1'-0"



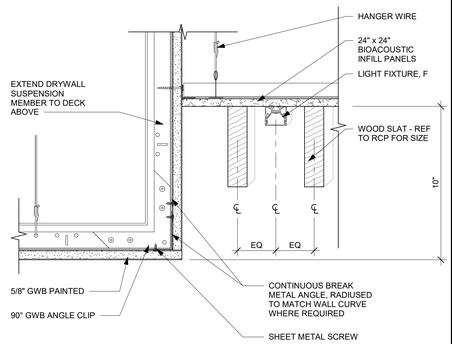
14 LIBRARY CEILING BULKHEAD DETAIL
3" = 1'-0"



15 LIBRARY CEILING TRANSITION
3" = 1'-0"



17 BULKHEAD DETAIL
3" = 1'-0"



18 LIBRARY CEILING BULKHEAD
3" = 1'-0"

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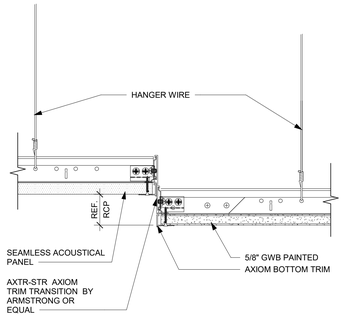
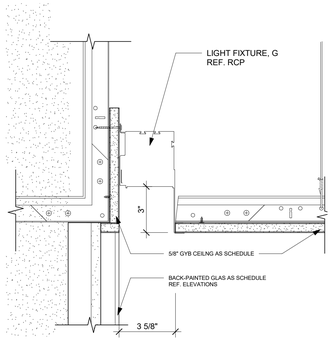
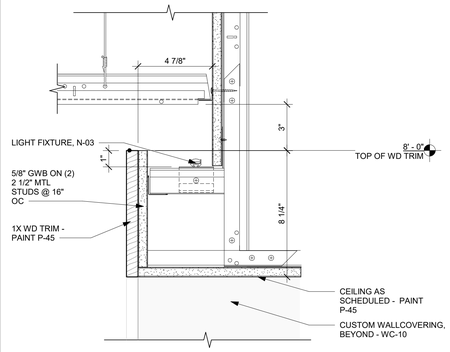


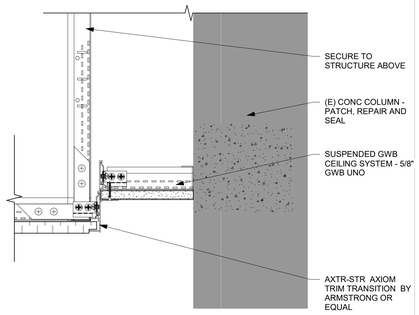
1 ACOUSTIC CEILING PANEL
3" = 1'-0"



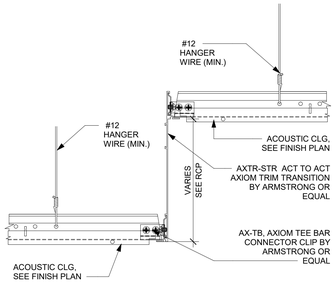
2 LIGHT COVE @ BOARDROOM
3" = 1'-0"



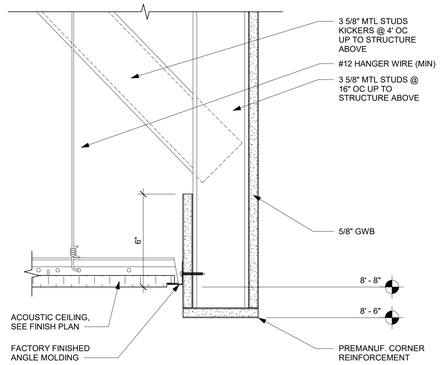
3 COVE DETAIL @ BREAKROOM
3" = 1'-0"



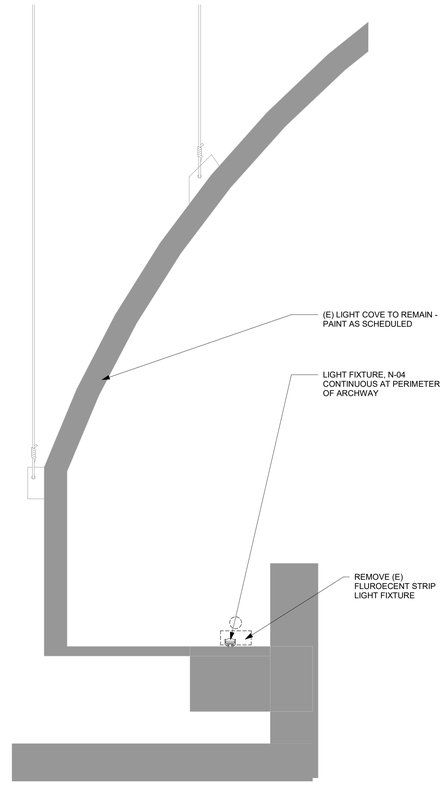
4 CLNG - SOFFIT @ COLUMN
3" = 1'-0"



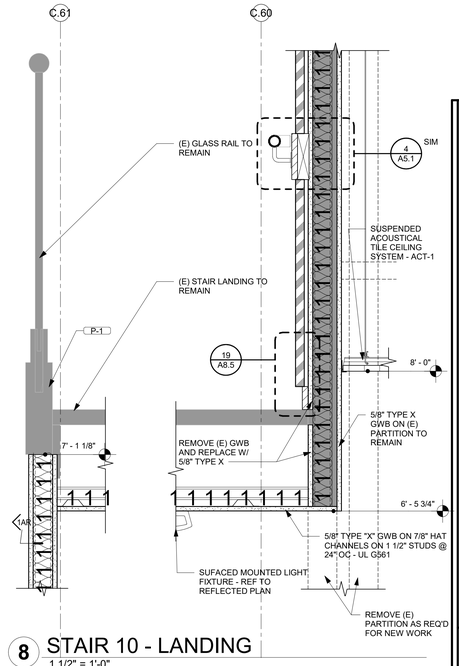
5 BULKHEAD DETAIL
3" = 1'-0"



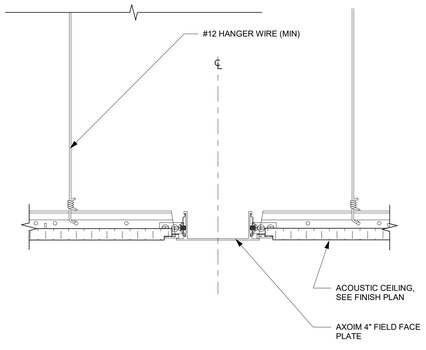
6 SOFFIT - ACT TO ACT
3" = 1'-0"



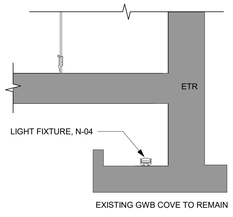
7 CLNG-VAULT COVE LIGHT
3" = 1'-0"



8 STAIR 10 - LANDING
1 1/2" = 1'-0"



9 SOFFIT - ACT TO ACT
3" = 1'-0"



10 COVE DETAIL @ BREAKROOM
3" = 1'-0"

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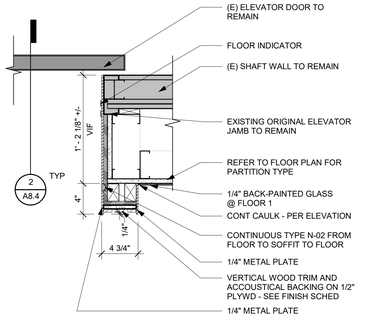
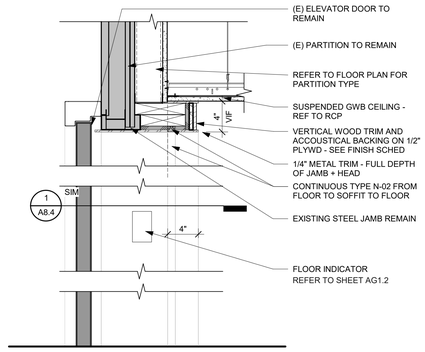
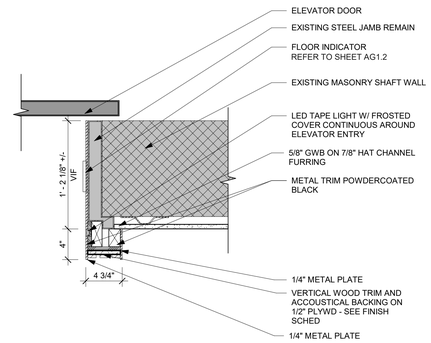


1 ELEVATOR JAMB - FLOORS 1-10
1 1/2" = 1'-0"

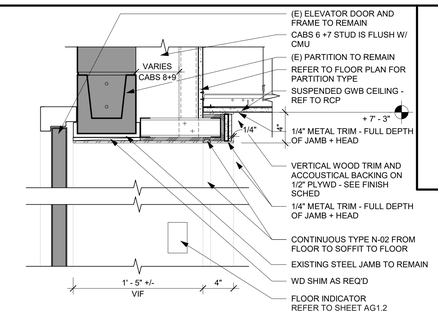


2 ELEVATOR HEAD - FLOORS 2-10
1 1/2" = 1'-0"

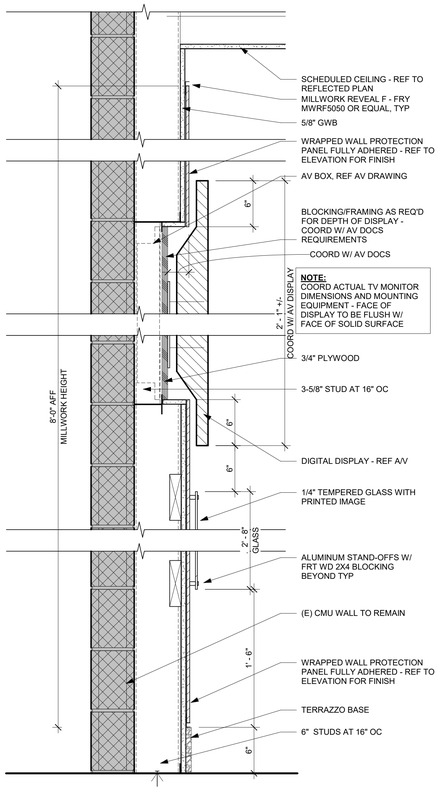


3 NOT USED
1 1/2" = 1'-0"

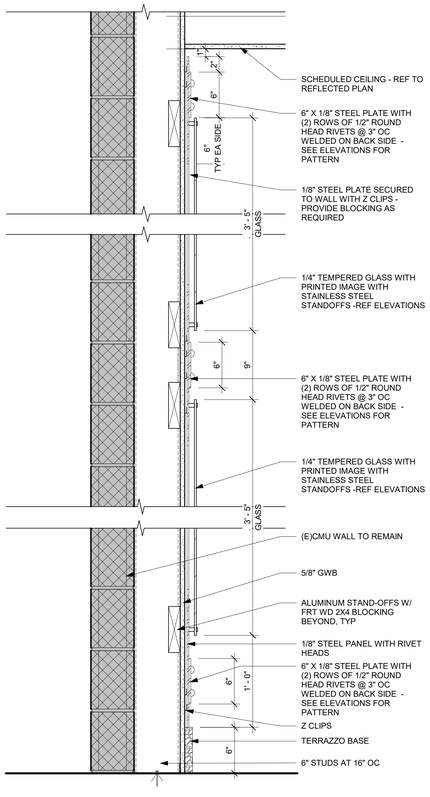
4 NOT USED
1 1/2" = 1'-0"



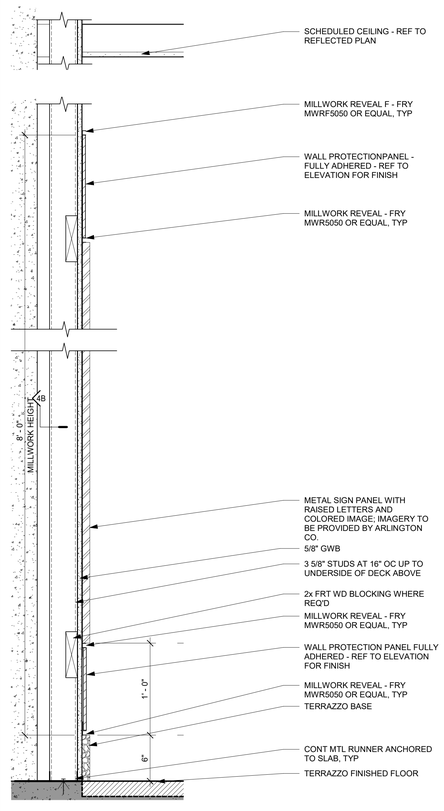
5 ELVATOR HEAD - FLOORS G3+G2
1 1/2" = 1'-0"



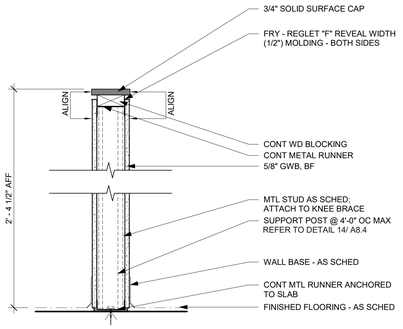
8 USS ARL - SECT @ DISPLAY PANELS
1 1/2" = 1'-0"



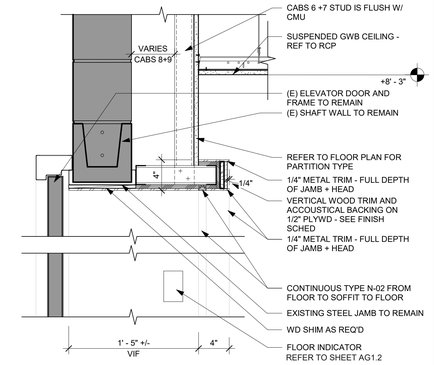
9 USS ARL - SECT @ STEEL PANELS
1 1/2" = 1'-0"



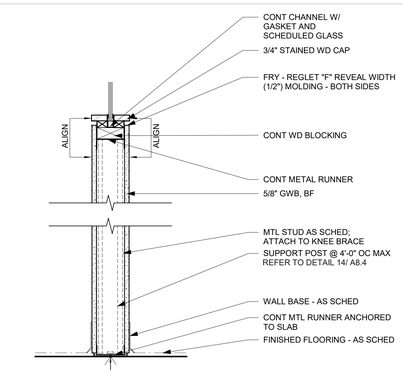
10 USS ARL - SECT @ SIDE PANELS
1 1/2" = 1'-0"



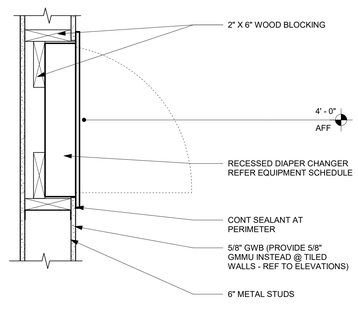
6 TYP. PONY WALL
1 1/2" = 1'-0"



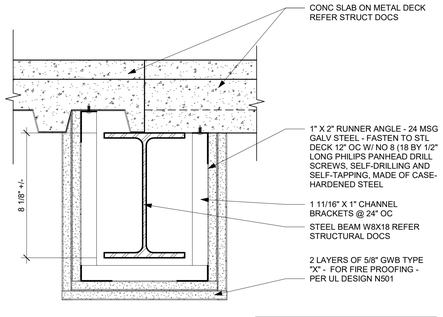
7 ELVATOR HEAD - FLOORS G1
1 1/2" = 1'-0"



11 TYP. KNEE WALL W/ GLASS
1 1/2" = 1'-0"

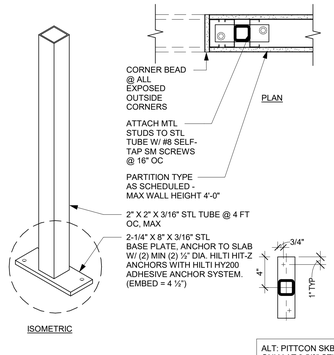


12 WALL AT DIAPER STATION
1 1/2" = 1'-0"



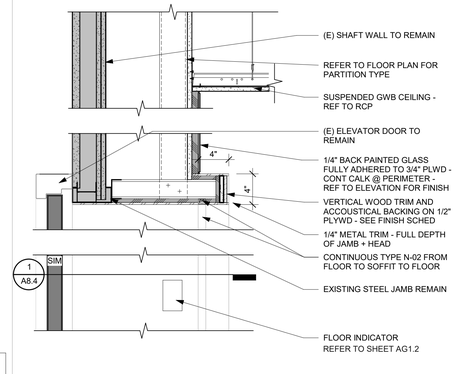
NOTE: SEE UL DESIGN N501 FOR FULL DETIALS. PROVIDE END CLOSURE OF SIMILAR CONSTRUCTION TO COMPLETE BEAM PROTECTION

13 STEEL BEAM FIRE PROOFING
3" = 1'-0"

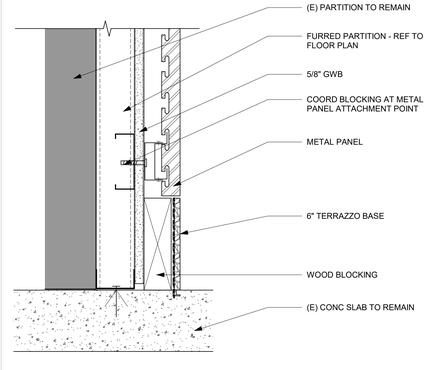


ALT: PITTCON SKB KNEE BRACE KIT ONLY AT 3 5/8" STUD PARTITIONS OR GREATER

14 SUPPORT POST
1 1/2" = 1'-0"



15 ELEVATOR HEAD - FLOOR 1
1 1/2" = 1'-0"



16 METAL PANEL TO FLOOR
3" = 1'-0"

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INTERIOR DETAILS

Scale **As indicated**
Drawn CS
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A8.4

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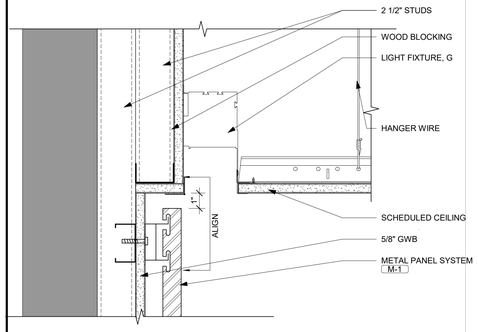
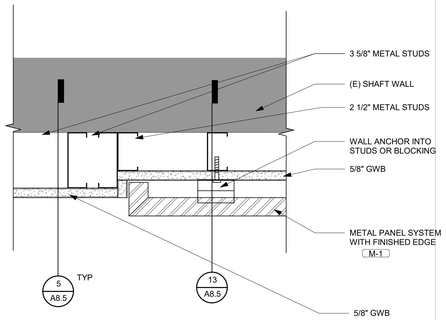
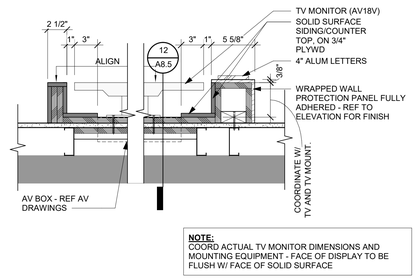


1 METAL PANEL AT ELEV. LOBBY COVE LIGHT
3" = 1'-0"

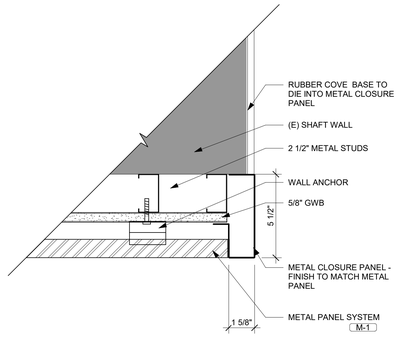


2 PLAN DETAIL AT METAL PANEL TRANSITION
3" = 1'-0"

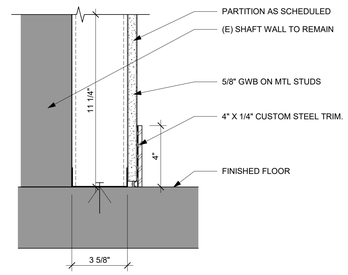


NOTE:
COORD ACTUAL TV MONITOR DIMENSIONS AND MOUNTING EQUIPMENT - FACE OF DISPLAY TO BE FLUSH W/ FACE OF SOLID SURFACE

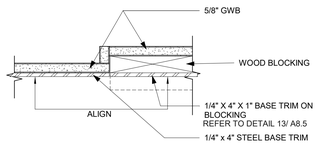
3 DIRECTORY DISPLAY - PLAN VIEW
1 1/2" = 1'-0"



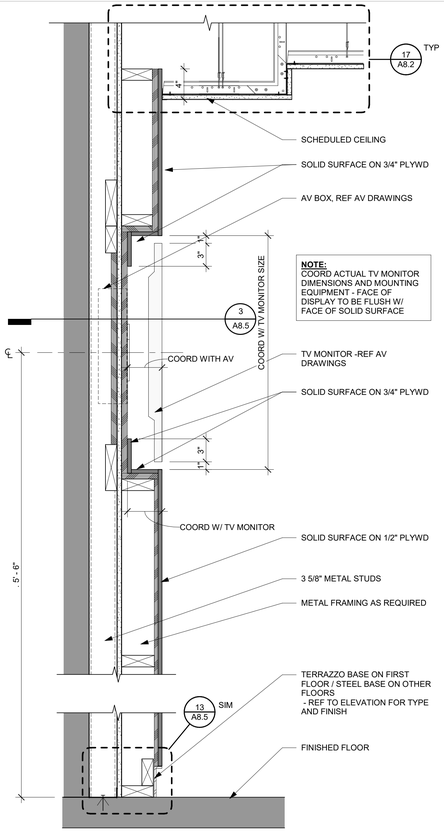
4 METAL PANEL AT CORNER DETAIL
3" = 1'-0"



5 METAL BASE AT GWB
3" = 1'-0"

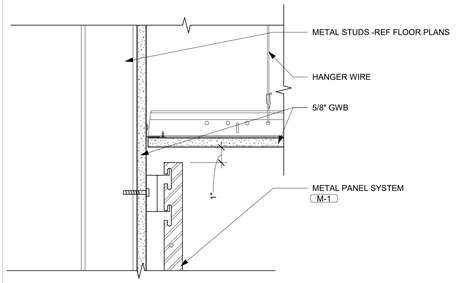


6 METAL BASE TRANSITION AT METAL PANEL PLAN DETAIL
3" = 1'-0"

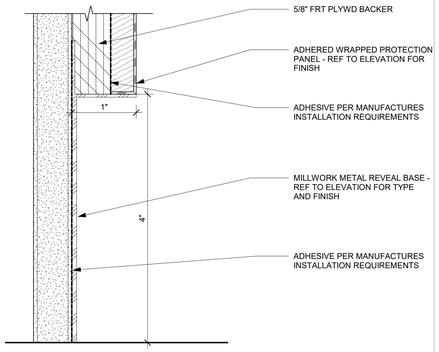


NOTE:
COORD ACTUAL TV MONITOR DIMENSIONS AND MOUNTING EQUIPMENT - FACE OF DISPLAY TO BE FLUSH W/ FACE OF SOLID SURFACE

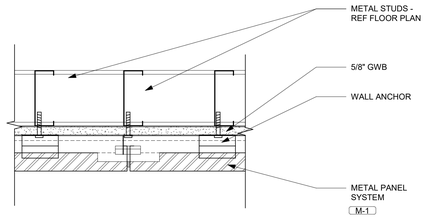
12 DIRECTORY DISPLAY - SECTION
1 1/2" = 1'-0"



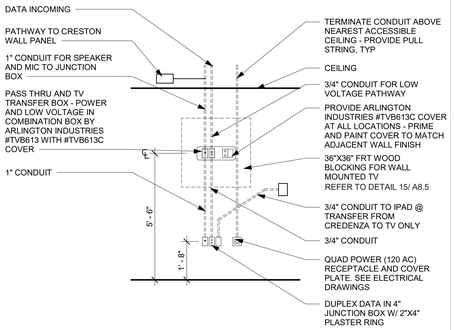
8 METAL PANEL TO CEILING DETAIL
3" = 1'-0"



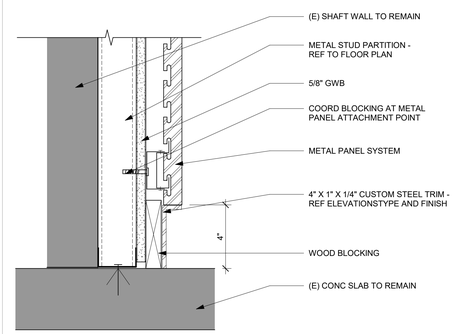
7 TYP METAL BASE DETAIL @ MLWK
12" = 1'-0"



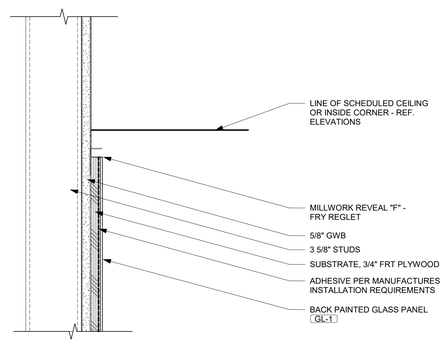
10 PLAN DETAIL AT METAL PANEL JOINT
3" = 1'-0"



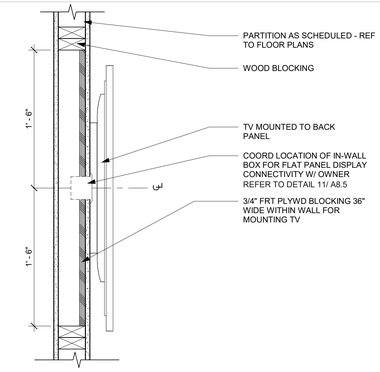
11 CONFERENCE RM TV MOUNT
3/8" = 1'-0"



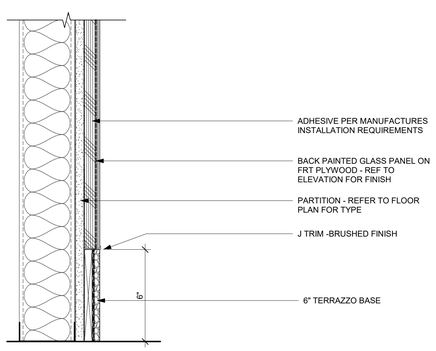
13 METAL PANEL TO FLOOR
3" = 1'-0"



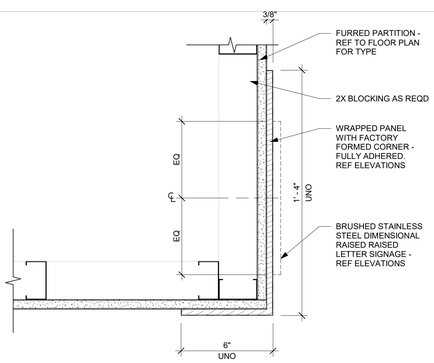
14 GLASS PANEL @ TOP / SIDE SIM
3" = 1'-0"



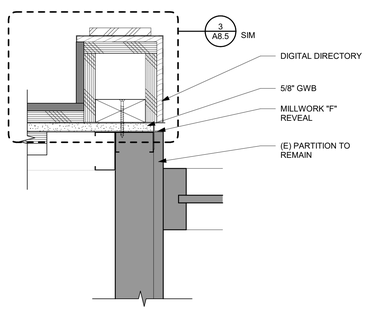
15 TYPICAL TV BLOCKING
1 1/2" = 1'-0"



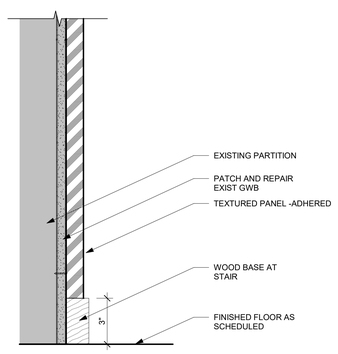
16 GLASS PANEL @ BASE
3" = 1'-0"



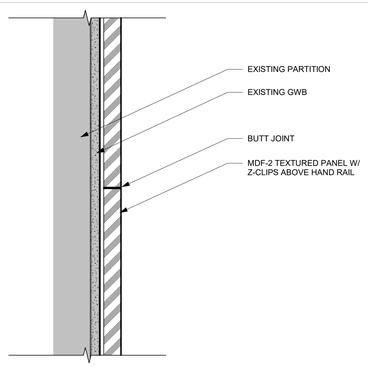
17 SIGNAGE - PLAN DETAIL
3" = 1'-0"



18 PLAN DETAIL @ SS WALL TERMINATION
3" = 1'-0"



19 TEXTURED PANEL WOOD BASE
3" = 1'-0"



20 TEXTURED PANEL JOINT PLAN DETAIL
3" = 1'-0"

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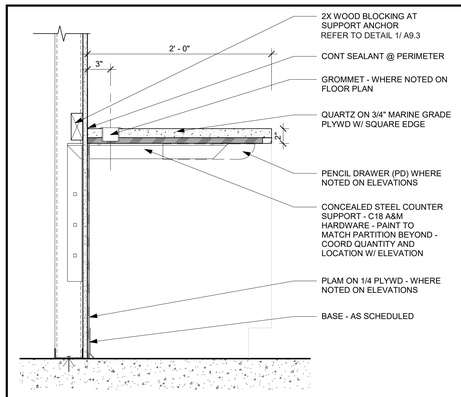
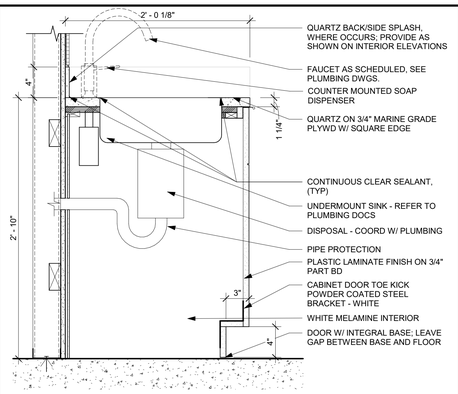
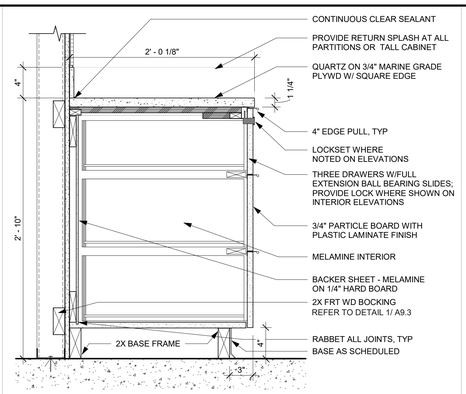


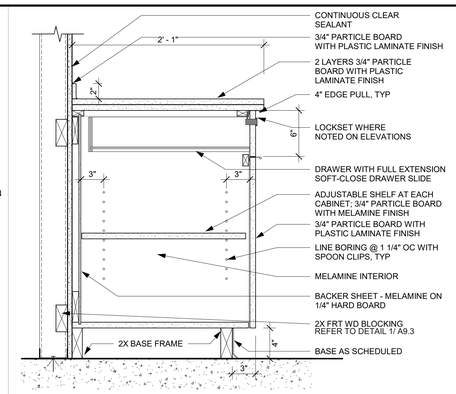
1 WORK SURFACE
1 1/2" = 1'-0"



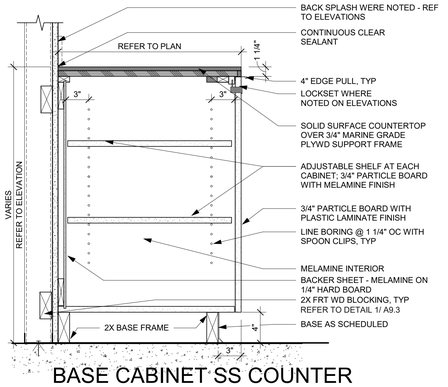
2 BASE CABINET W/ SINK
1 1/2" = 1'-0"



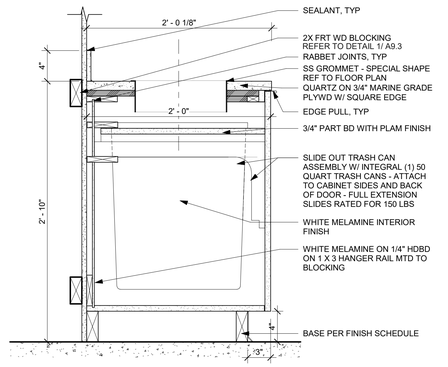
3 BASE CABINET W/ DRAWERS
1 1/2" = 1'-0"



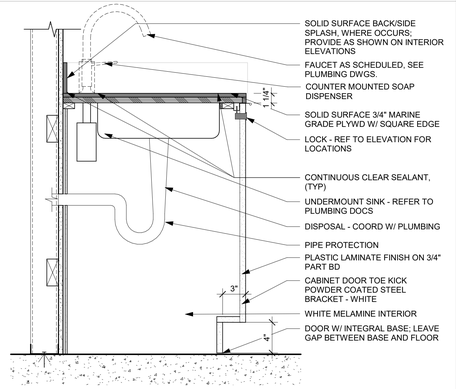
4 BASE CABINET W/ DRAWER
1 1/2" = 1'-0"



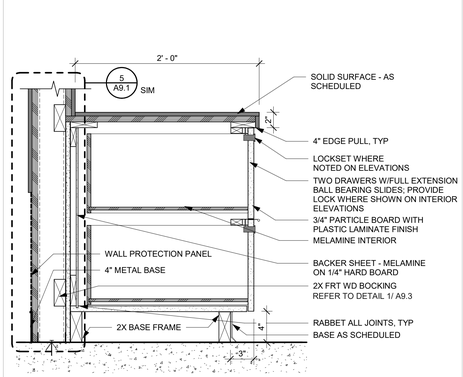
5 BASE CABINET SS COUNTER @ WORK ROOM
1 1/2" = 1'-0"



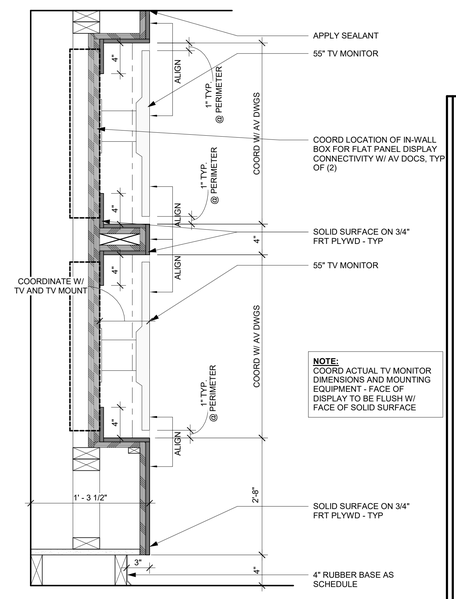
6 BASE CABINET
1 1/2" = 1'-0"



7 BASE CABINET W/ SINK - SS
1 1/2" = 1'-0"

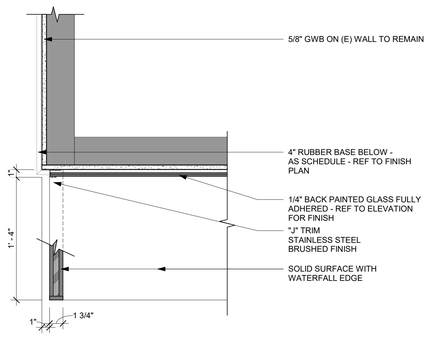


8 BASE CABINET W/ DRAWERS
1 1/2" = 1'-0"

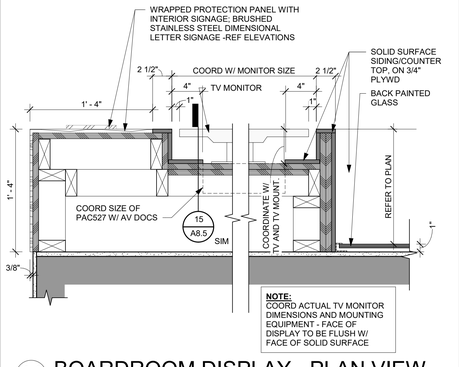


NOTE:
COORD ACTUAL TV MONITOR DIMENSIONS AND MOUNTING EQUIPMENT - FACE OF DISPLAY TO BE FLUSH W/ FACE OF SOLID SURFACE

9 BOARDROOM DISPLAY - SECTION
1 1/2" = 1'-0"

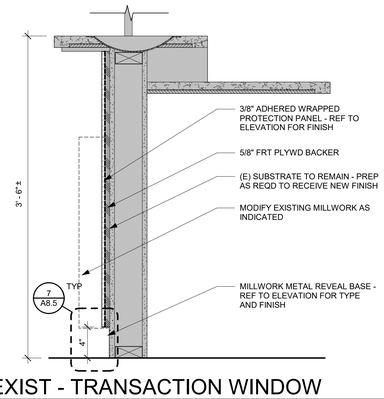


10 BOARDROOM - PLAN DETAIL
1 1/2" = 1'-0"

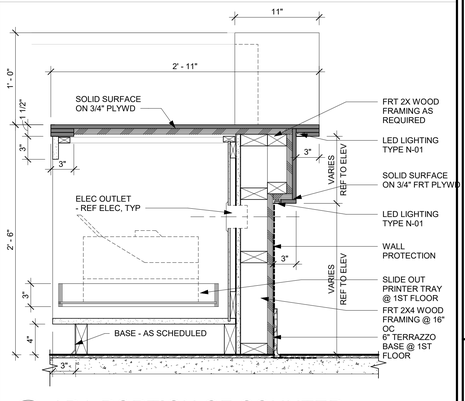


NOTE:
COORD ACTUAL TV MONITOR DIMENSIONS AND MOUNTING EQUIPMENT - FACE OF DISPLAY TO BE FLUSH W/ FACE OF SOLID SURFACE

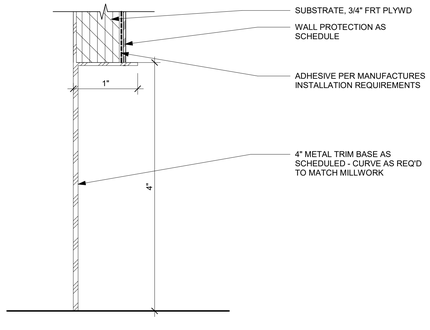
11 BOARDROOM DISPLAY - PLAN VIEW
1 1/2" = 1'-0"



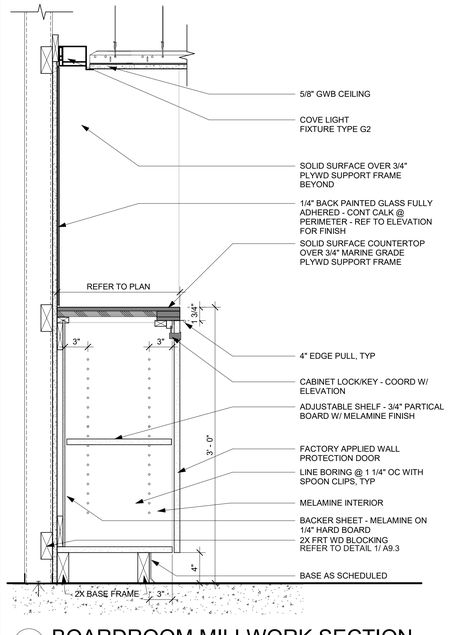
12 EXIST - TRANSACTION WINDOW
1 1/2" = 1'-0"



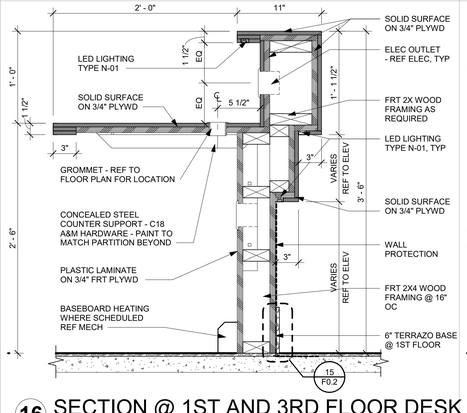
13 ADA PORTION OF COUNTER
1 1/2" = 1'-0"



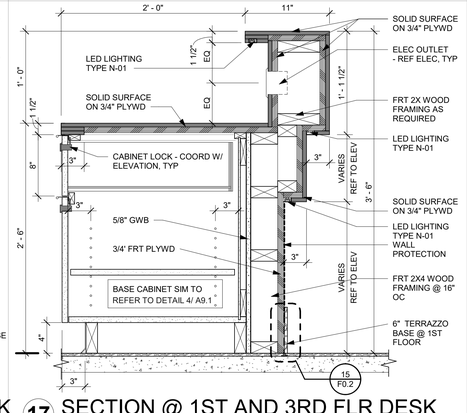
14 TYP METAL BASE @ MILLWORK
12" = 1'-0"



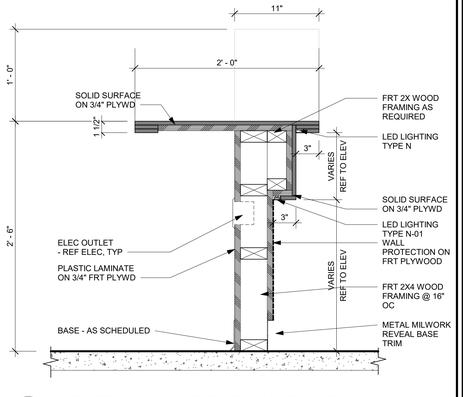
15 BOARDROOM MILLWORK SECTION
1 1/2" = 1'-0"



16 SECTION @ 1ST AND 3RD FLOOR DESK
1 1/2" = 1'-0"



17 SECTION @ 1ST AND 3RD FLR DESK
1 1/2" = 1'-0"



18 SECTION @ 3RD FLOOR DESK
1 1/2" = 1'-0"

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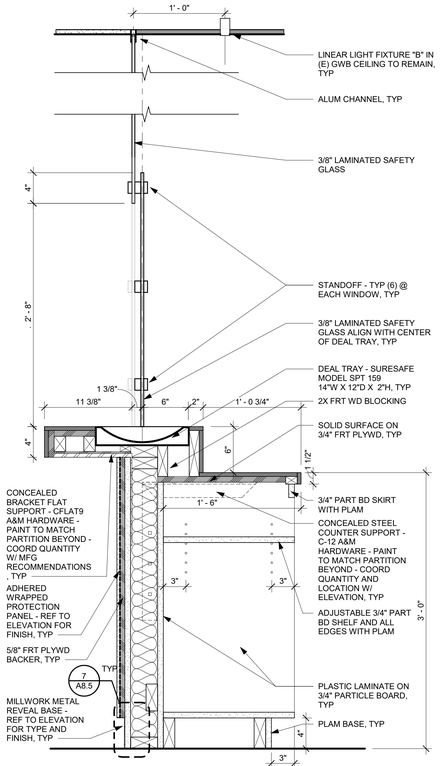
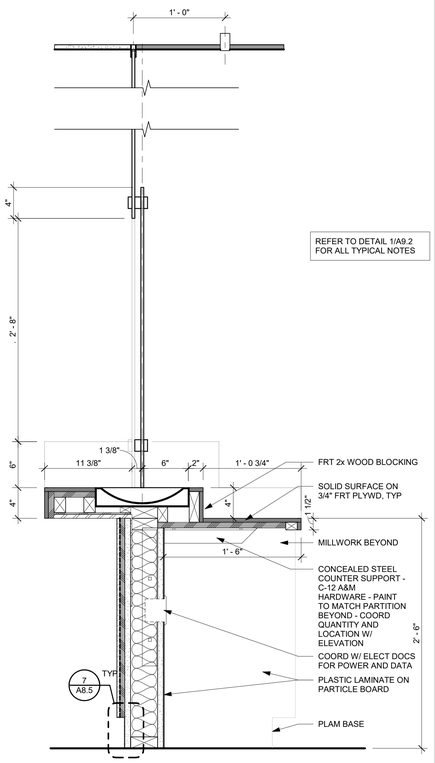
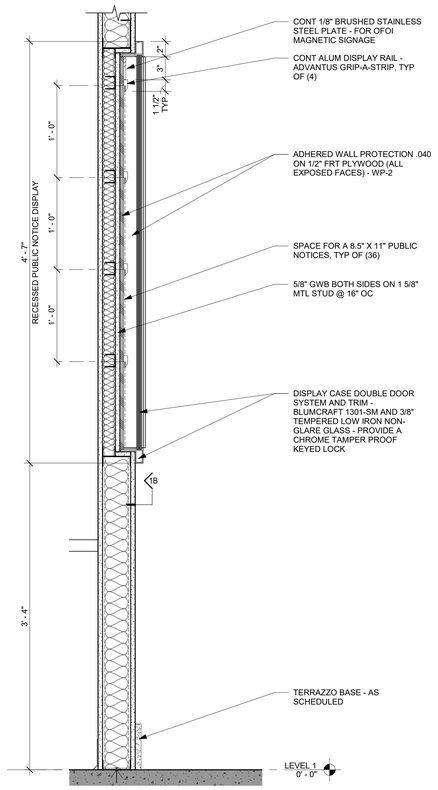


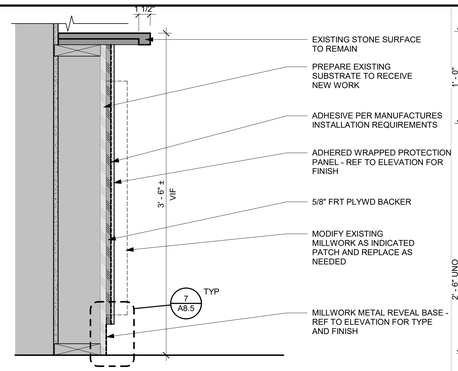
1 TRANSACTION WINDOW @ VOTER REGISTRATION
1 1/2" = 1'-0"



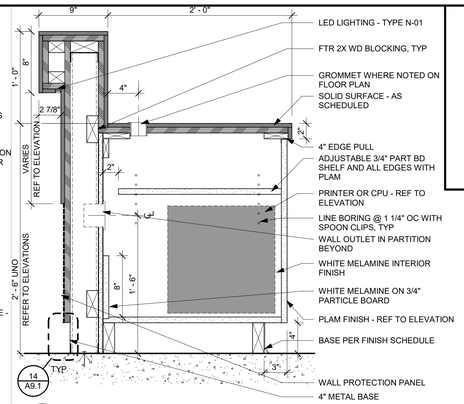
2 ADA TRANSACTION WINDOW @ VOTER REGISTRATION
1 1/2" = 1'-0"



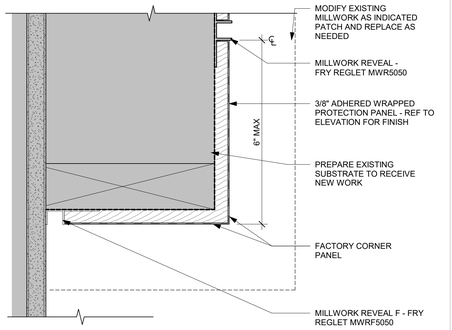
3 CSWK - PUBLIC NOTICE
1 1/2" = 1'-0"



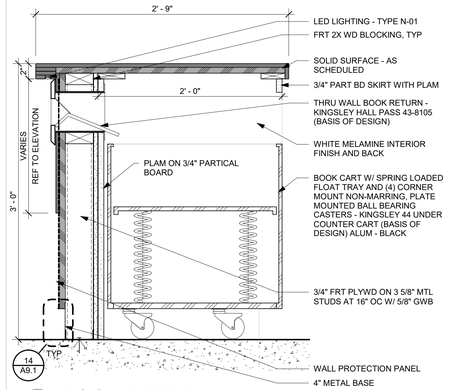
4 CHECK WRITING DESK
1 1/2" = 1'-0"



5 CPU BASE W/ DOOR
1 1/2" = 1'-0"

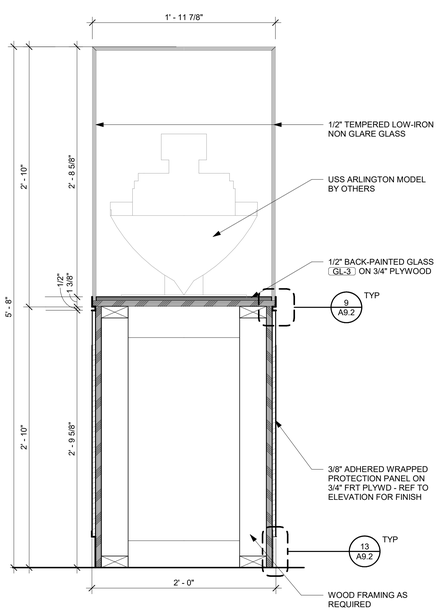


6 CHECK WRITING DESK
6" = 1'-0"

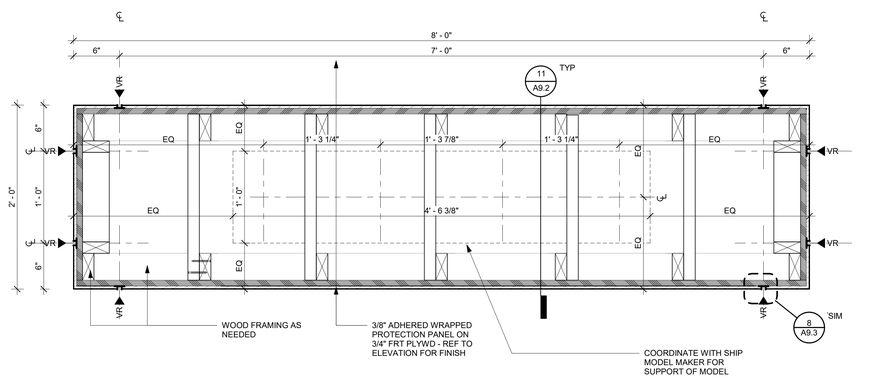


7 BOOK RETURN
1 1/2" = 1'-0"

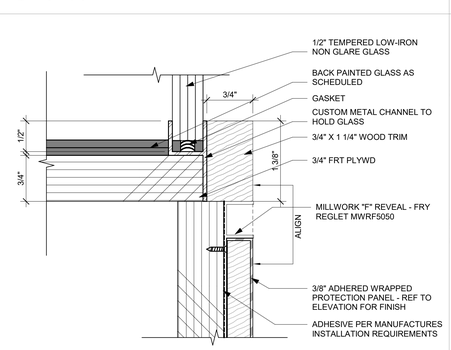
NOTE: SHIP MODEL DISPLAY CASE AND GLASS TOP TO BE PROVIDED BY SUBCONTRACTOR WITH DEMONSTRATED EXPERIENCE IN SHIP MODEL DISPLAY CASE CONSTRUCTION. SUBMIT QUALIFICATIONS FOR APPROVAL BY ARCHITECT WITHIN 4 WEEKS OF AWARD OF CONTRACT. VERIFY EXACT DIMENSIONS OF SHIP MODEL CASE WITH OWNER'S MODEL SUPPLIER.



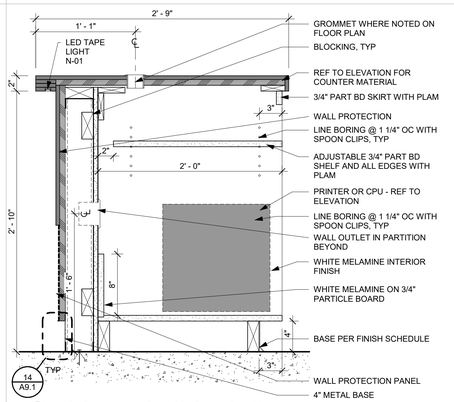
11 USS ARLINGTON DISPLAY CASE
1 1/2" = 1'-0"



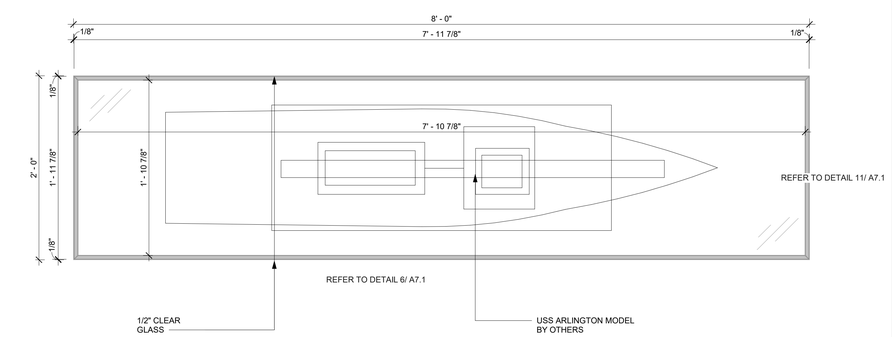
8 USS ARLINGTON DISPLAY CASE
1 1/2" = 1'-0"



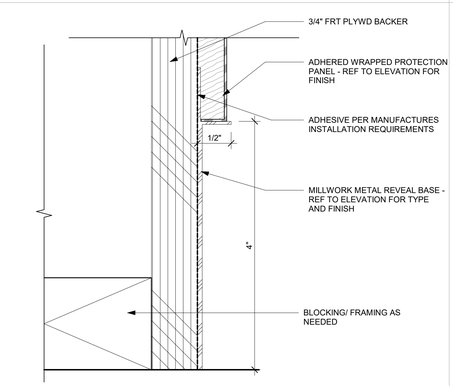
9 REVEAL @ DISPLAY CASE
12" = 1'-0"



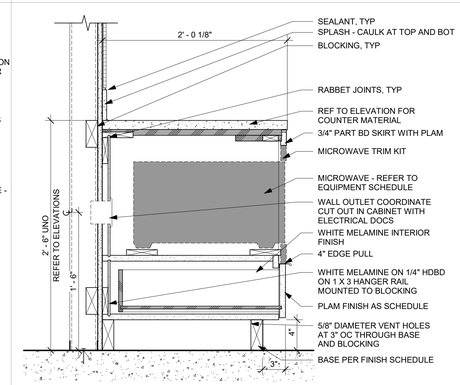
10 PRINTER / CPU BASE
1 1/2" = 1'-0"



12 USS ARLINGTON DISPLAY CASE
1 1/2" = 1'-0"



13 METAL BASE @ DISPLAY CASE
12" = 1'-0"



14 MICROWAVE BASE CABINET (ADA)
1 1/2" = 1'-0"

architecture incorporated
1902 campus commons drive
suite 101
reston, virginia 20191
Tel: 703.476.3900
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Construction Documents for:

ARLINGTON COUNTY OFFICES RENOVATIONS
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
PERMIT / BID
Revisions

MILLWORK DETAILS

Scale **As indicated**
Drawn CS
Checked RM

A9.2

PERMIT / BID

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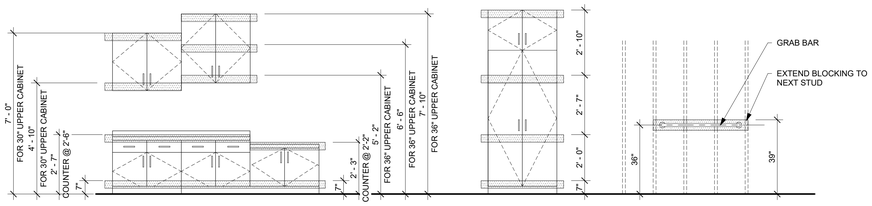
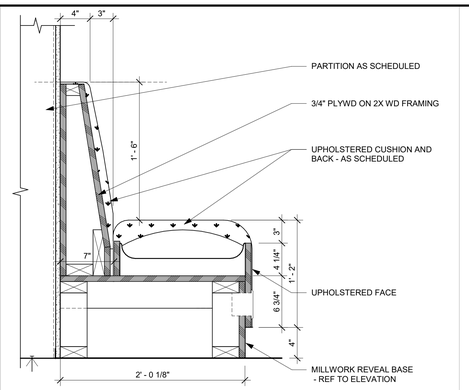
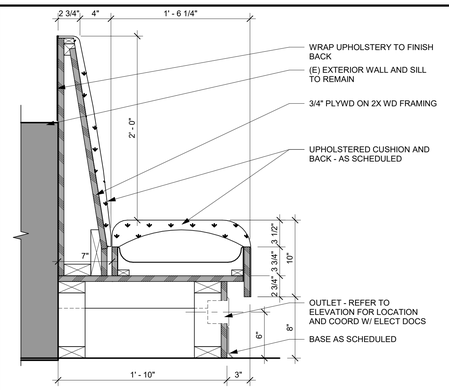


NOTE:
ALL DIMENSIONS SHOWN ARE TO TOP OF BLOCKING STRIP
REFER TO DETAIL 3/ A8.1

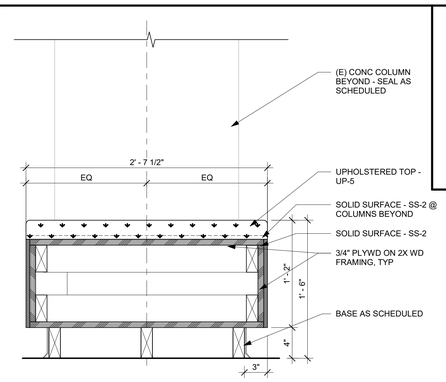
1 TYP BLOCKING HEIGHTS
3/8" = 1'-0"



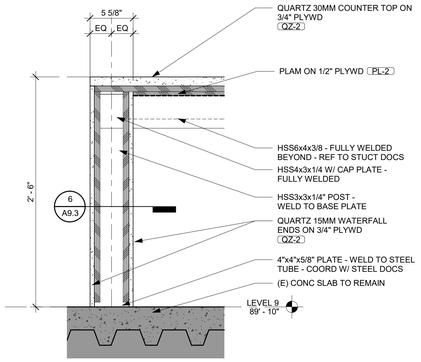
2 BOOTH @ BREAK ROOM
1 1/2" = 1'-0"



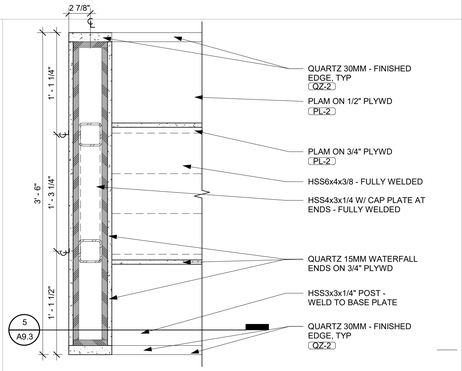
3 BENCH @ BREAK ROOM
1 1/2" = 1'-0"



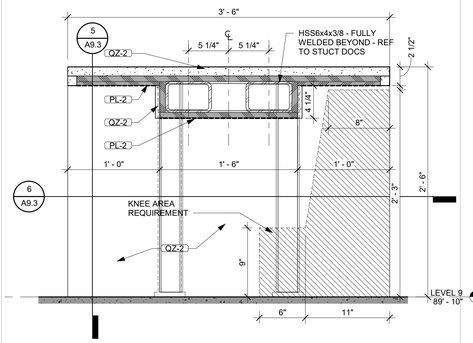
4 BANQUETTE @ BREAK ROOM
1 1/2" = 1'-0"



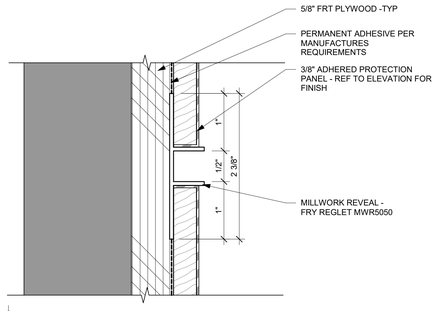
5 WATERFALL TABLE - SECTION
1 1/2" = 1'-0"



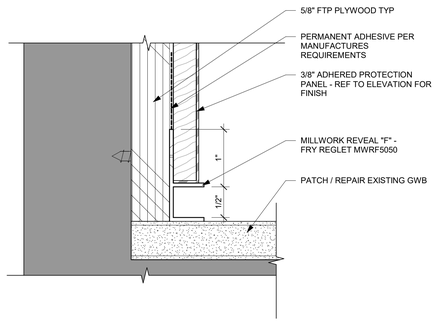
6 WATERFALL TABLE END
PLAN (LOOKING UP)
1 1/2" = 1'-0"



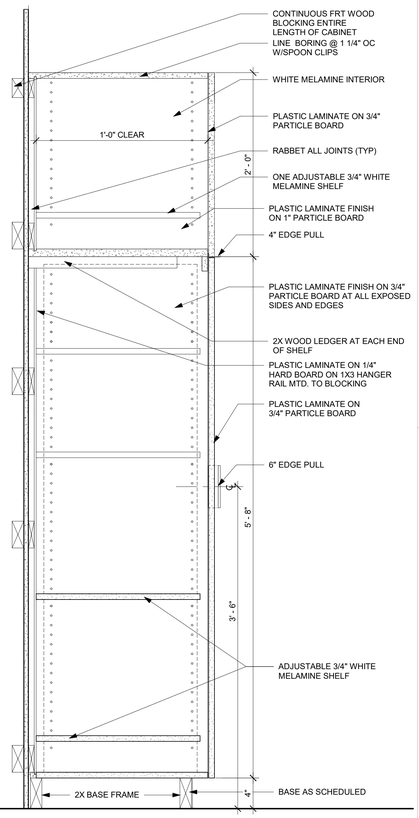
7 WATERFALL TABLE - SECTION
1 1/2" = 1'-0"



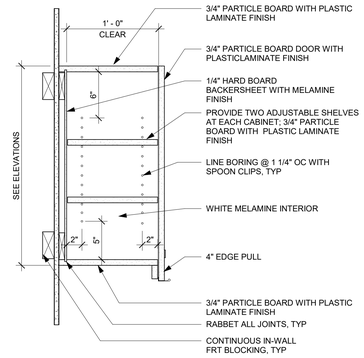
8 PANEL REVEAL - PLAN DETAIL
12" = 1'-0"



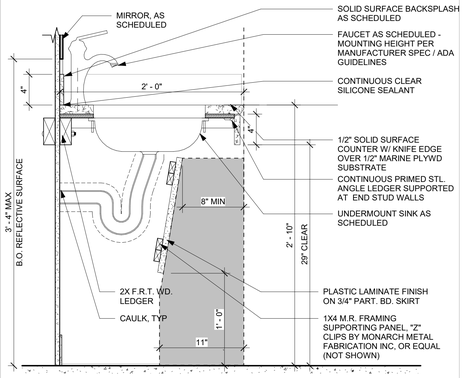
9 PANEL REVEAL - PLAN DETAIL
12" = 1'-0"



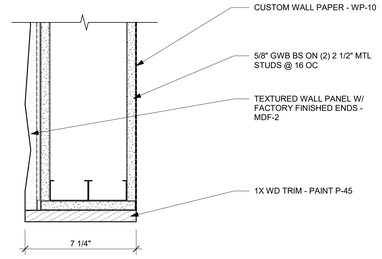
10 WALL CABINET
1 1/2" = 1'-0"



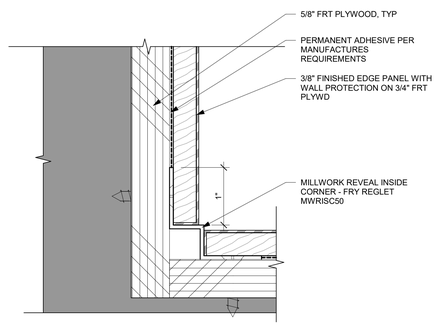
11 TYP WALL CABINET
1 1/2" = 1'-0"



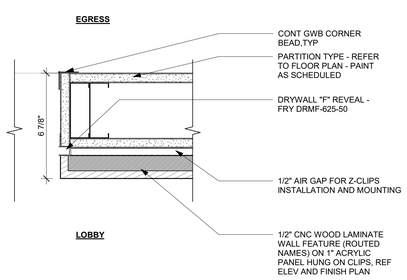
12 RESTROOM SINK SECTION
1 1/2" = 1'-0"



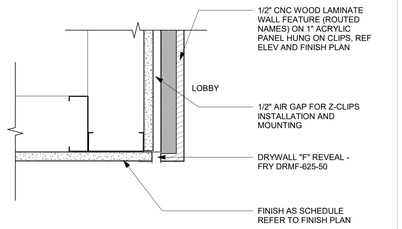
13 BOOTH END PANEL
3" = 1'-0"



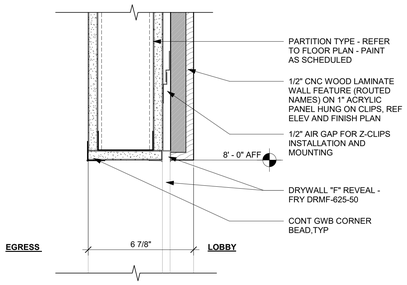
14 PANEL REVEAL - PLAN DETAIL
12" = 1'-0"



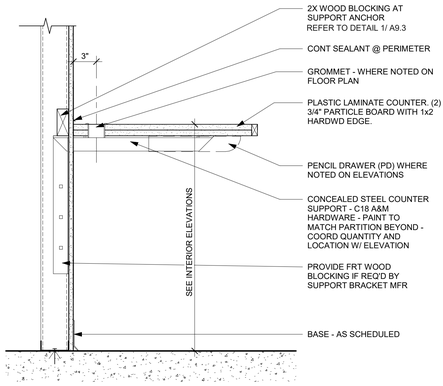
15 JAMB @ NEIGHBORHOOD WALL
3" = 1'-0"



16 CORNER @ NEIGHBORHOOD WALL
3" = 1'-0"



17 HEADER @ NEIGHBORHOOD WALL
3" = 1'-0"



18 WORK SURFACE
1 1/2" = 1'-0"

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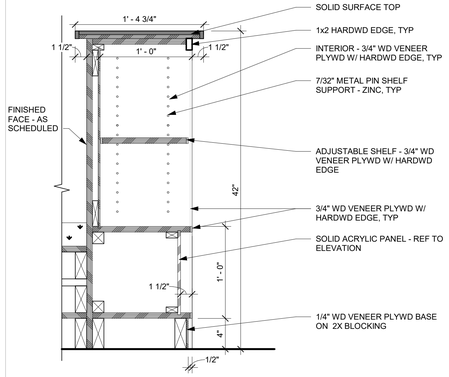
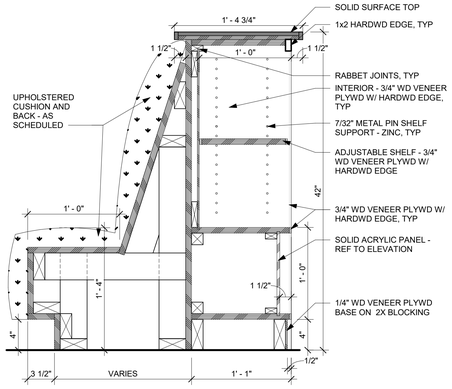
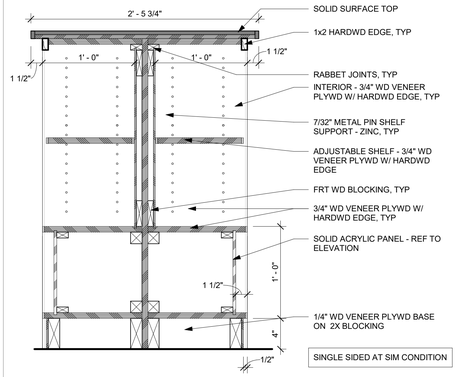


1 LIBRARY SHELVING + SEATING
1 1/2" = 1'-0"



2 LIBRARY SHELVING + SEATING
1 1/2" = 1'-0"



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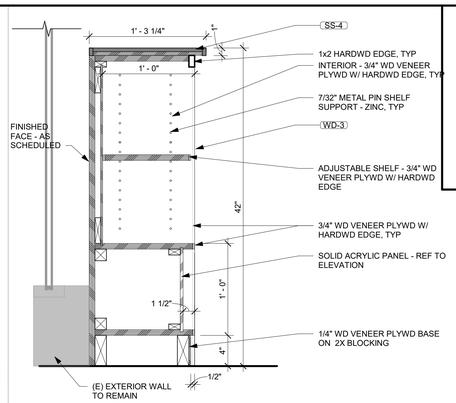
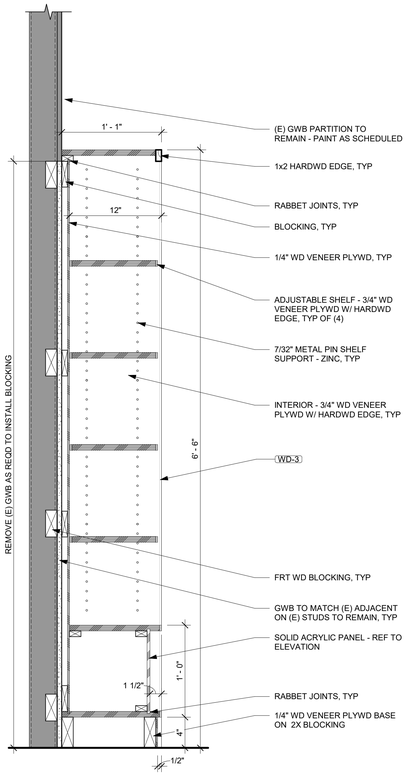
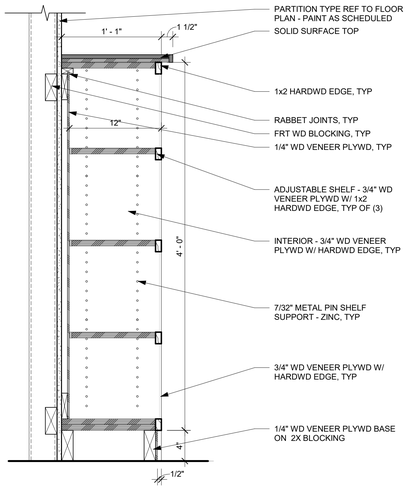
1 1/2" = 1'-0"



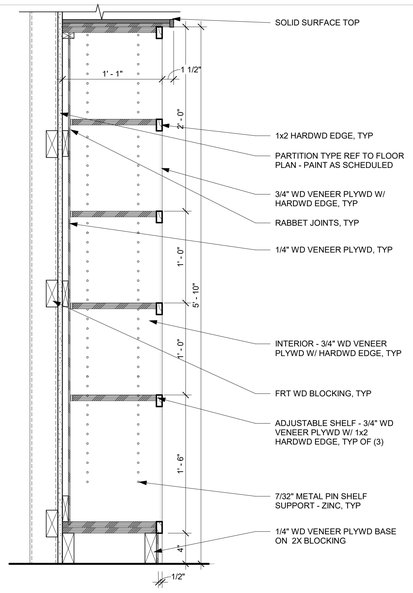
5 LIBRARY SHELVING
1 1/2" = 1'-0"



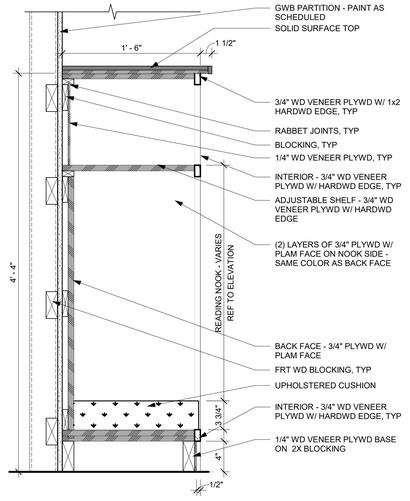
4 LIBRARY SHELVING
1 1/2" = 1'-0"



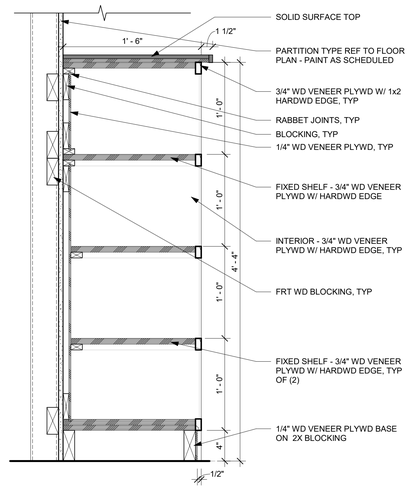
6 LIBRARY SHELVING
1 1/2" = 1'-0"



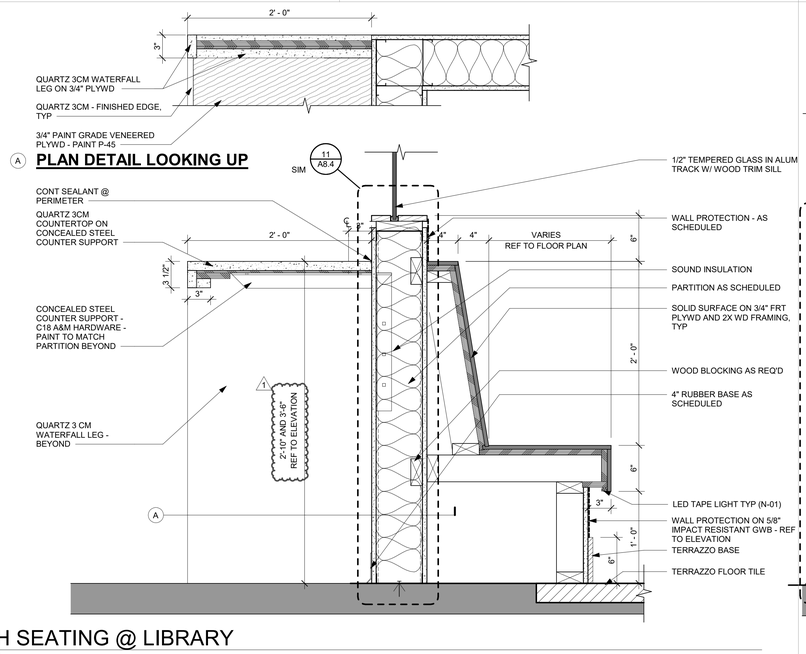
7 LIBRARY SHELVING
1 1/2" = 1'-0"



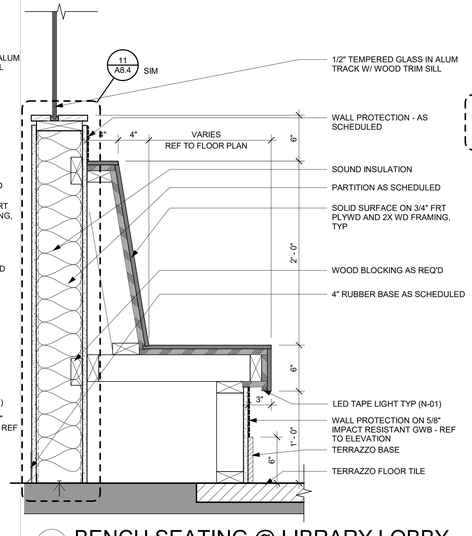
8 LIBRARY SHELVING
1 1/2" = 1'-0"



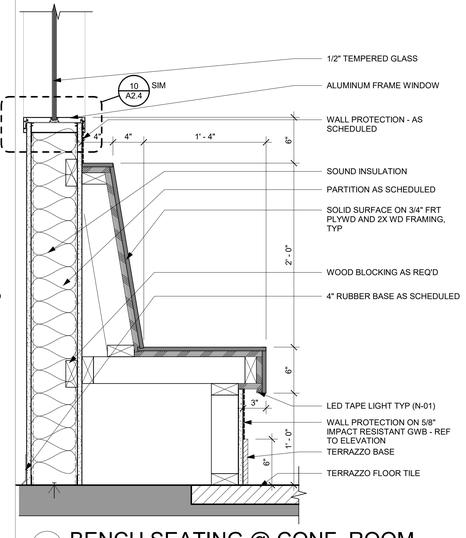
9 LIBRARY SHELVING
1 1/2" = 1'-0"



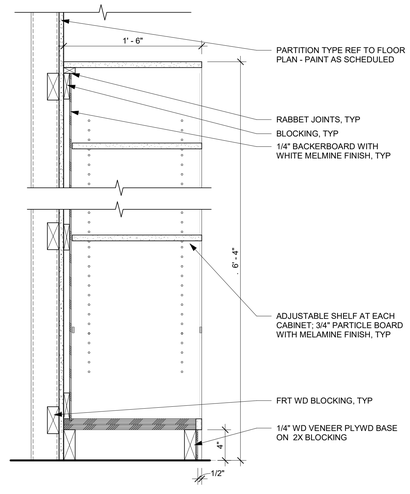
10 BENCH SEATING @ LIBRARY
1 1/2" = 1'-0"



11 BENCH SEATING @ LIBRARY LOBBY
1 1/2" = 1'-0"



12 BENCH SEATING @ CONF. ROOM
1 1/2" = 1'-0"



13 PACKAGE ROOM SHELVING
1 1/2" = 1'-0"

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1

MILLWORK DETAILS

Scale **1 1/2" = 1'-0"**
Drawn KBEL4
Checked RM

A9.4

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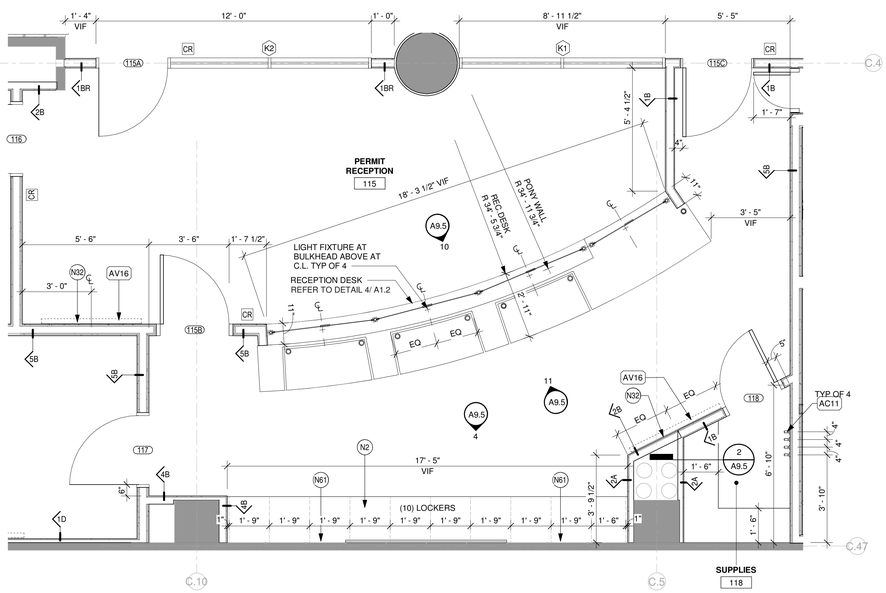
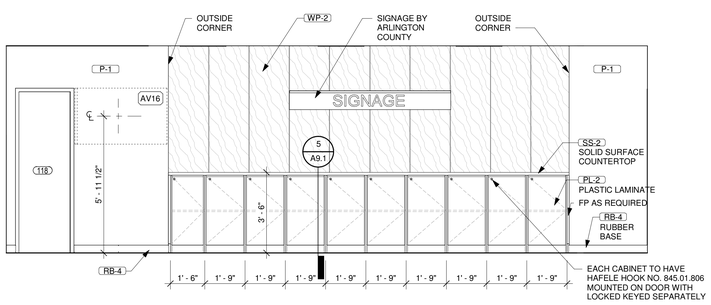
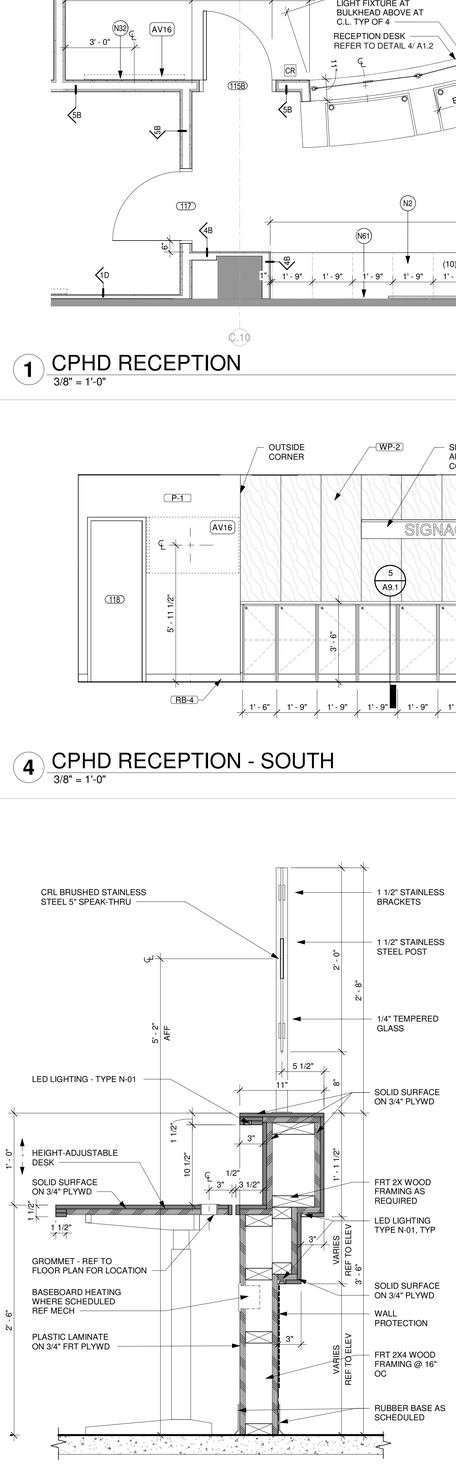


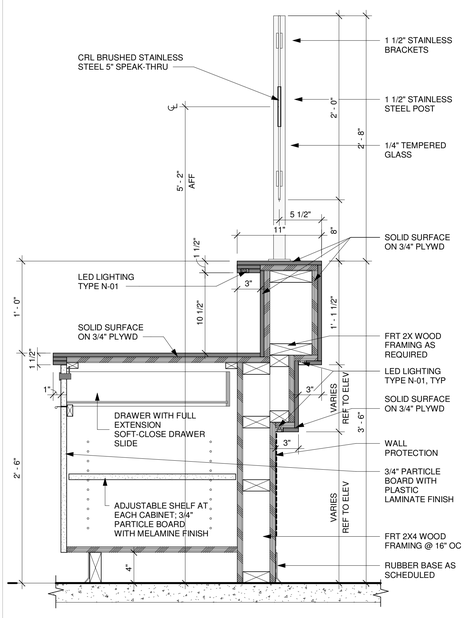
1 CPHD RECEPTION
3/8" = 1'-0"



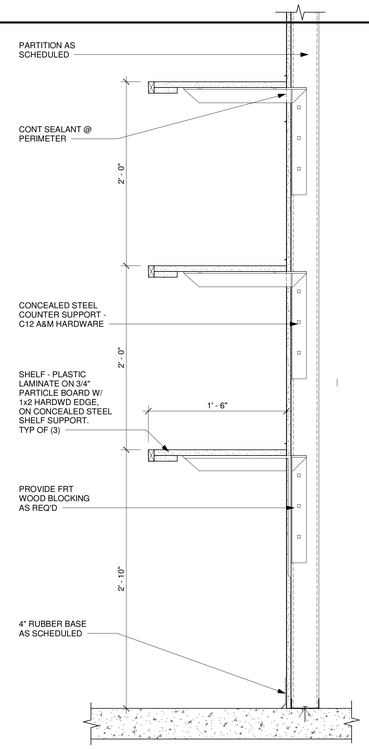
4 CPHD RECEPTION - SOUTH
3/8" = 1'-0"



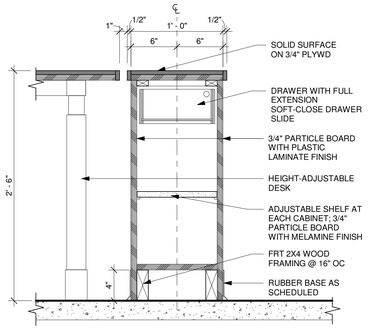
7 CPHD RECEPTION DESK - SECTION 1
1 1/2" = 1'-0"



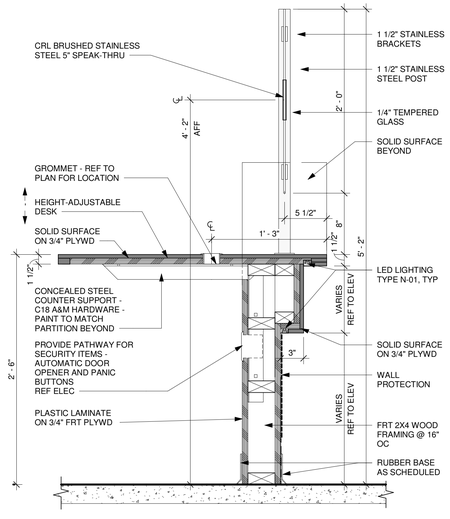
8 CPHD RECEPTION DESK - SECTION 2
1 1/2" = 1'-0"



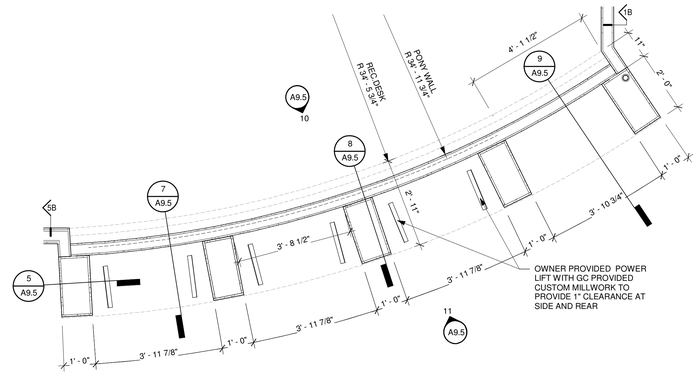
2 SHELVES
1 1/2" = 1'-0"



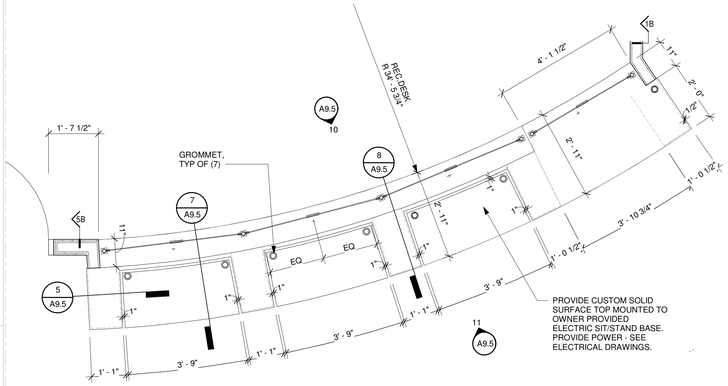
5 CPHD RECEPTION DESK - SECTION 4
1 1/2" = 1'-0"



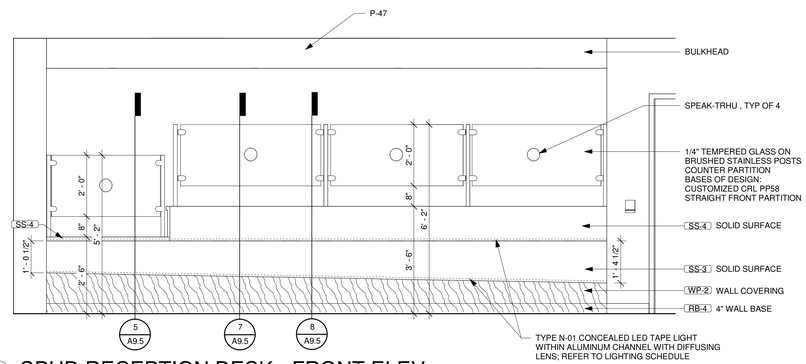
9 CPHD RECEPTION DESK - SECTION 3
1 1/2" = 1'-0"



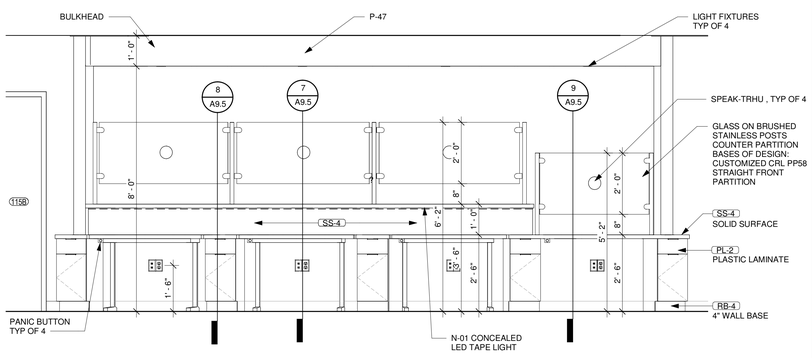
3 CPHD RECEPTION DESK - PLAN
1/2" = 1'-0"



6 CPHD RECEPTION DESK - PLAN
1/2" = 1'-0"



10 CPHD RECEPTION DESK - FRONT ELEV.
1/2" = 1'-0"



11 CPHD RECEPTION DESK - BACK ELEV.
1/2" = 1'-0"

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CPHD RECEPTION

Scale **As indicated**
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A9.5

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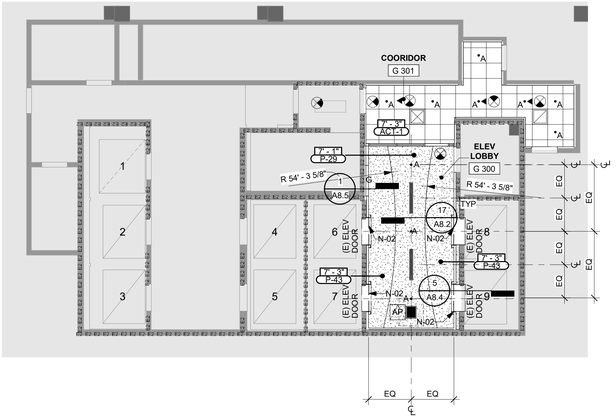
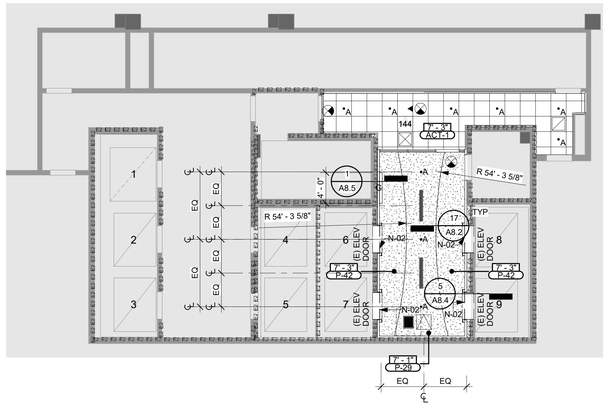
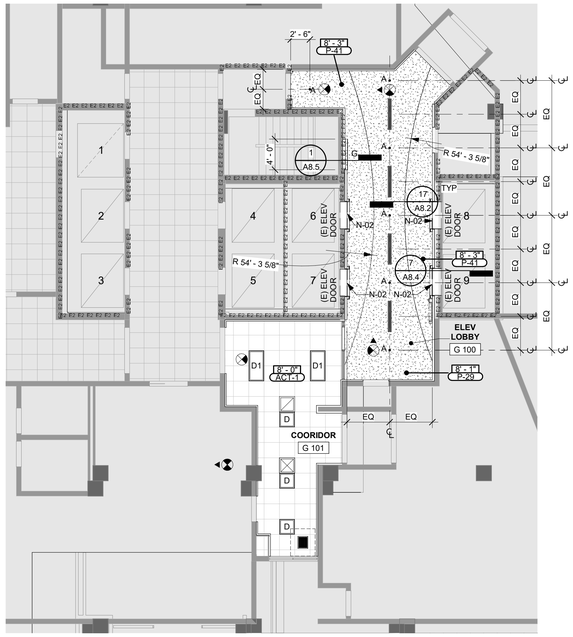


3 LEVEL G3 - REFLECTED PLAN
1/8" = 1'-0"



2 LEVEL G2 - REFLECTED PLAN
1/8" = 1'-0"



1 LEVEL G1 RCP
1/8" = 1'-0"

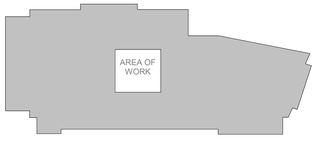
REFLECTED PLAN LEGEND:

C#	KEYED NOTE
1i	LIGHT FIXTURE VARIES IN SIZE AND SHAPE - REF TO ELECTRICAL DOCS FOR SCHEDULE
	GWB CEILING
	2X2 ACT AND GRID
	ACCUSTICAL PANNEL
AP	2X2 ACCESS PANEL
	2X2 AIR SUPPLY
	2X2 AIR RETURN
	LINER DIFFUSER 48" OR 24" LENGTH
CJ	GWB CONTROL JOINT, SEE DETAIL 6/A8.2
	HANGING CEILING MICROPHONE, AV4 - REF. AG 1.0 EQUIPMENT SCHEDULE
SPK	CEILING RECESSED SPEAKER, AV6 - REF. AG 1.0 EQUIPMENT SCHEDULE
	AREA NOT IN PROJECT SCOPE
10' - 0"	CEILING HEIGHT ABOVE FINISHED FLOOR
CF-1	CEILING FINISH; SEE FINISH SCHEDULE
ETR	(E) CEILING TO REMAIN
EXS	EXPOSED STRUCTURE OVERHEAD
(E) OR (R)	EXISTING OR REINSTALLED SALVAGED

SEE AG 1.0 FOR GENERAL FINISH NOTES
SEE AG 1.0 FOR GENERAL CEILING NEW WORK NOTES
SEE AG 1.0 FOR FINISH SCHEDULE

KEY PLAN

NOT TO SCALE



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G1, G2, G3 REFLECTED CEILING PLANS

Scale **1/8" = 1'-0"**
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Checked RM

A10.1

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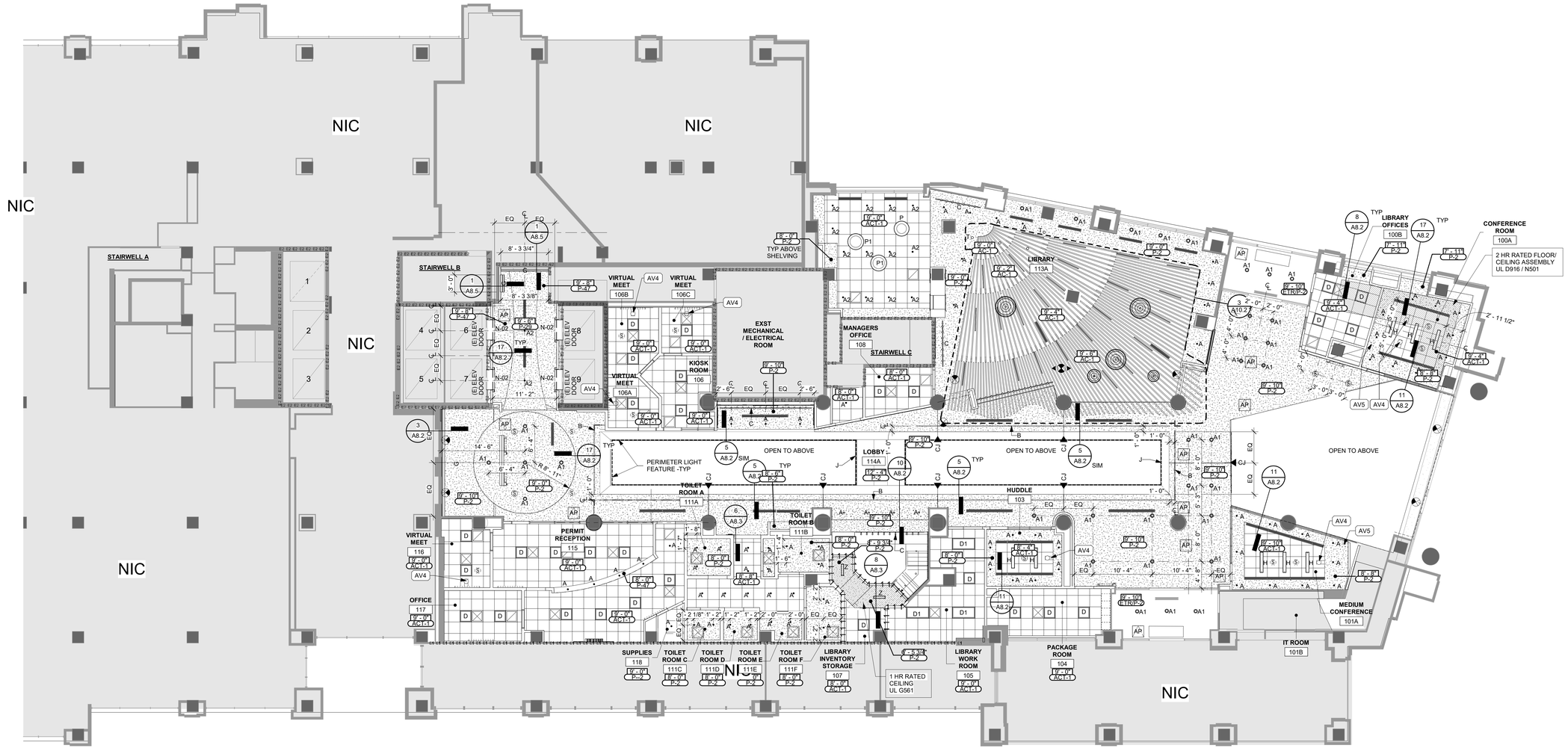


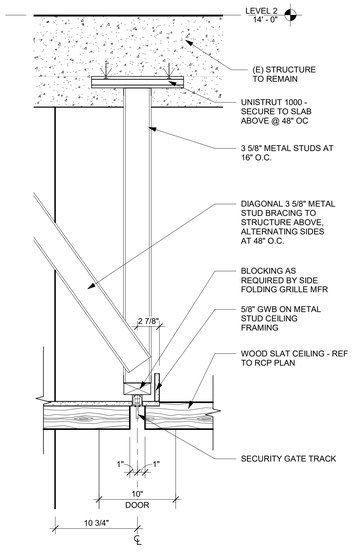
1 LEVEL 1 - REFLECTED CEILING PLAN
1/8" = 1'-0"

REFLECTED PLAN LEGEND:

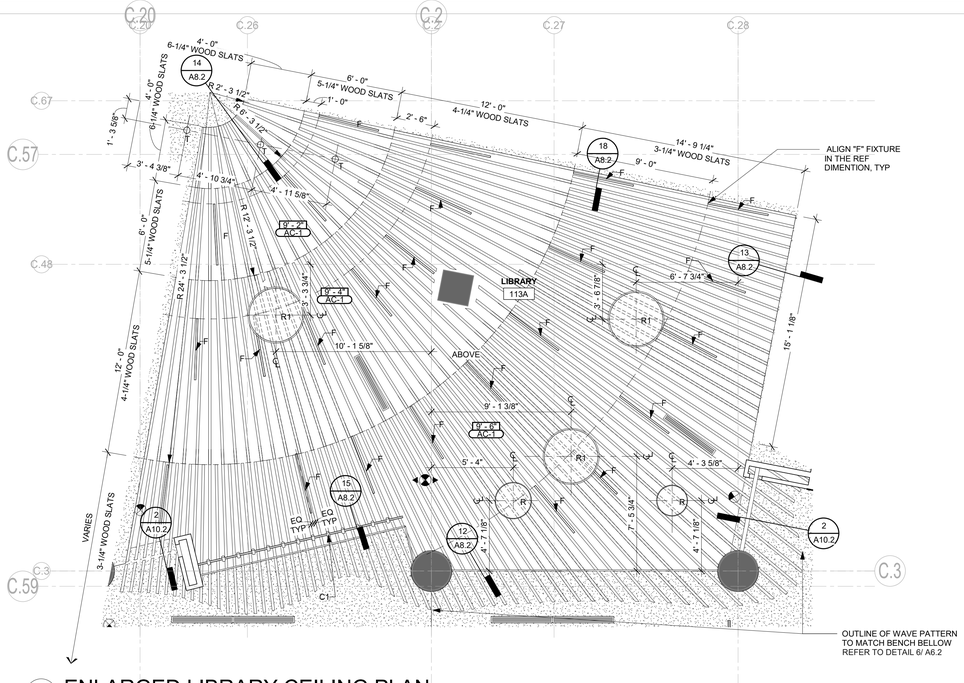
- C# — KEYED NOTE
- 1i — LIGHT FIXTURE VARIES IN SIZE AND SHAPE - REF TO ELECTRICAL DOCS FOR SCHEDULE
- GWB CEILING
- 2X2 ACT AND GRID
- ACCUSTICAL PANNEL
- AP — 2X2 ACCESS PANEL
- 2X2 AIR SUPPLY
- 2X2 AIR RETURN
- LINER DIFFUSER 48" OR 24" LENGTH
- CJ — GWB CONTROL JOINT, SEE DETAIL 6/A8.2
- HANGING CEILING MICROPHONE, AV4 - REF. AG 1.0 EQUIPMENT SCHEDULE
- CEILING RECESSED SPEAKER, AV6 - REF. AG 1.0 EQUIPMENT SCHEDULE
- AREA NOT IN PROJECT SCOPE
- 10' - 0" — CEILING HEIGHT ABOVE FINISHED FLOOR
- CF-1 — CEILING FINISH: SEE FINISH SCHEDULE
- ETR — (E) CEILING TO REMAIN
- EXS — EXPOSED STRUCTURE OVERHEAD
- (E) OR (R) — EXISTING OR REINSTALLED SALVAGED

SEE AG 1.0 FOR GENERAL FINISH NOTES
SEE AG 1.0 FOR GENERAL CEILING NEW WORK NOTES
SEE AG 1.0 FOR FINISH SCHEDULE

KEY PLAN
NOT TO SCALE



2 SECURITY GATE @ LIBRARY
1 1/2" = 1'-0"



3 ENLARGED LIBRARY CEILING PLAN
1/4" = 1'-0"

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LEVEL 1 REFLECTED CEILING PLAN

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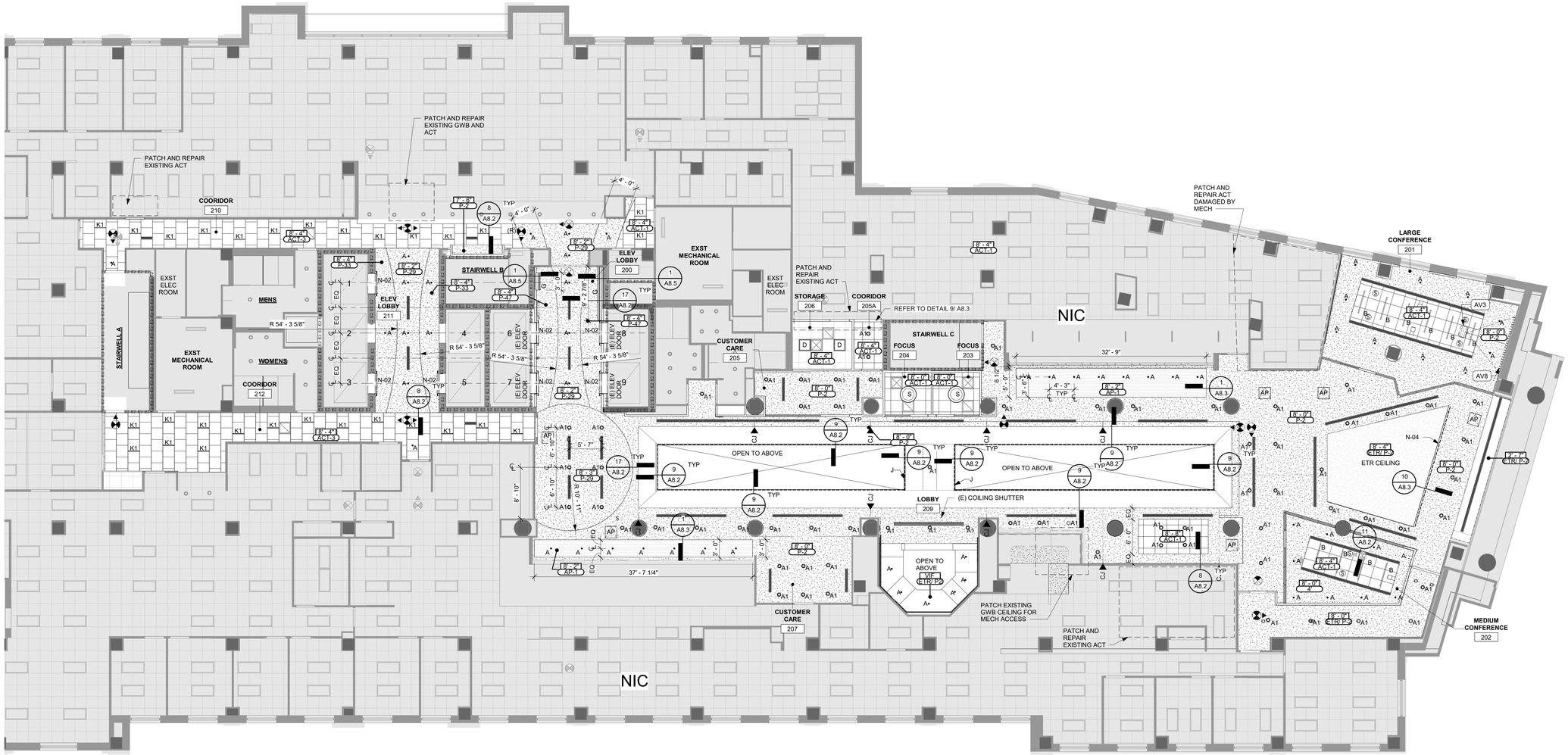

1 LEVEL 2 - REFLECTED CEILING PLAN

1/8" = 1'-0"

REFLECTED PLAN LEGEND:

- C# — KEYED NOTE
- 1i — LIGHT FIXTURE VARIES IN SIZE AND SHAPE - REF TO ELECTRICAL DOCS FOR SCHEDULE
- GWB CEILING
- 2X2 ACT AND GRID
- ACCUSTICAL PANNEL
- AP — 2X2 ACCESS PANEL
- 2X2 AIR SUPPLY
- 2X2 AIR RETURN
- LINER DIFFUSER 48" OR 24" LENGTH
- CJ — GWB CONTROL JOINT, SEE DETAIL 6/A8.2
- HANGING CEILING MICROPHONE, AV4 - REF. AG 1.0 EQUIPMENT SCHEDULE
- AV6 — CEILING RECESSED SPEAKER, AV6 - REF. AG 1.0 EQUIPMENT SCHEDULE
- AREA NOT IN PROJECT SCOPE
- 10' - 0" — CEILING HEIGHT ABOVE FINISHED FLOOR
- CF-1 — CEILING FINISH; SEE FINISH SCHEDULE
- ETR — (E) CEILING TO REMAIN
- EXS — EXPOSED STRUCTURE OVERHEAD
- (E) OR (R) — EXISTING OR REINSTALLED SALVAGED

SEE AG 1.0 FOR GENERAL FINISH NOTES
SEE AG 1.0 FOR GENERAL CEILING NEW WORK NOTES
SEE AG 1.0 FOR FINISH SCHEDULE

KEY PLAN

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LEVEL 2 REFLECTED CEILING PLAN

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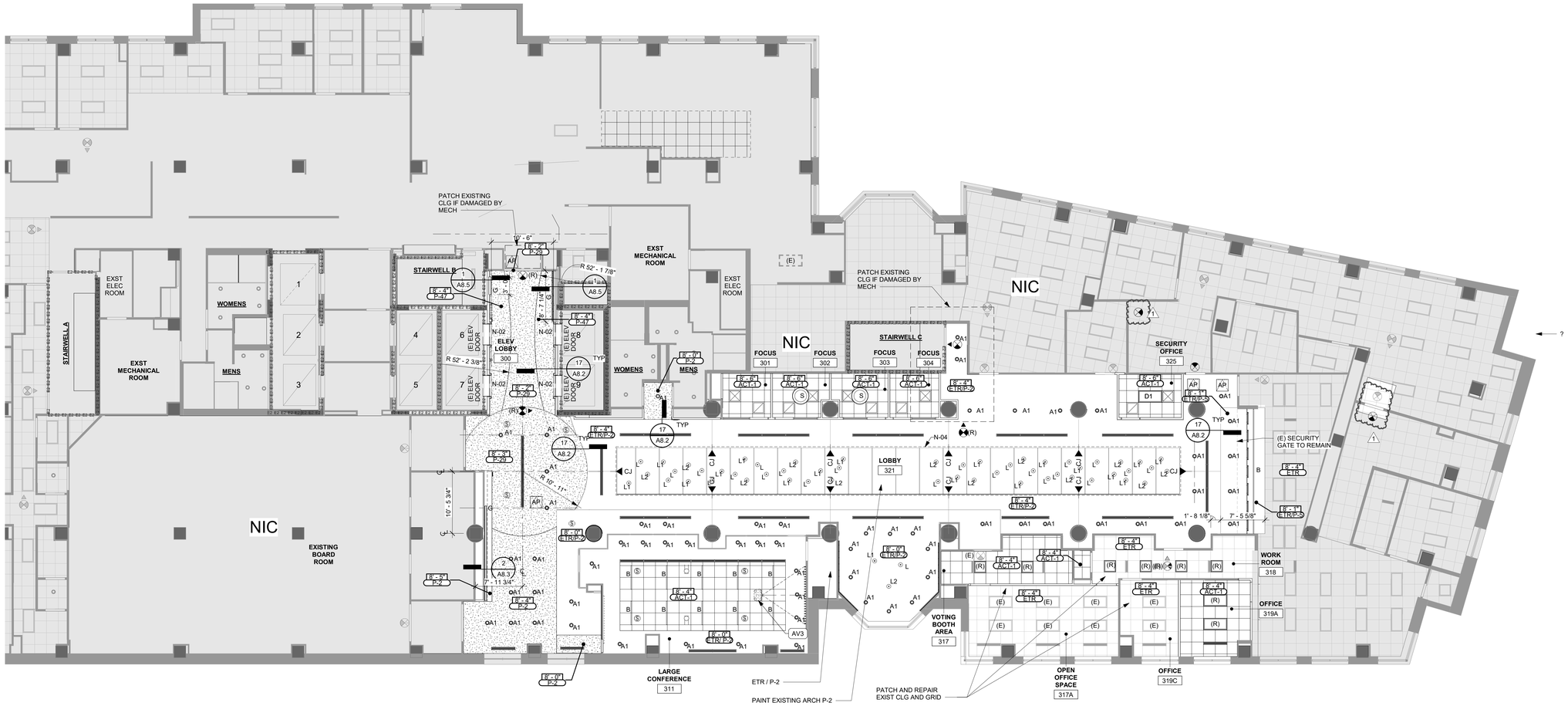


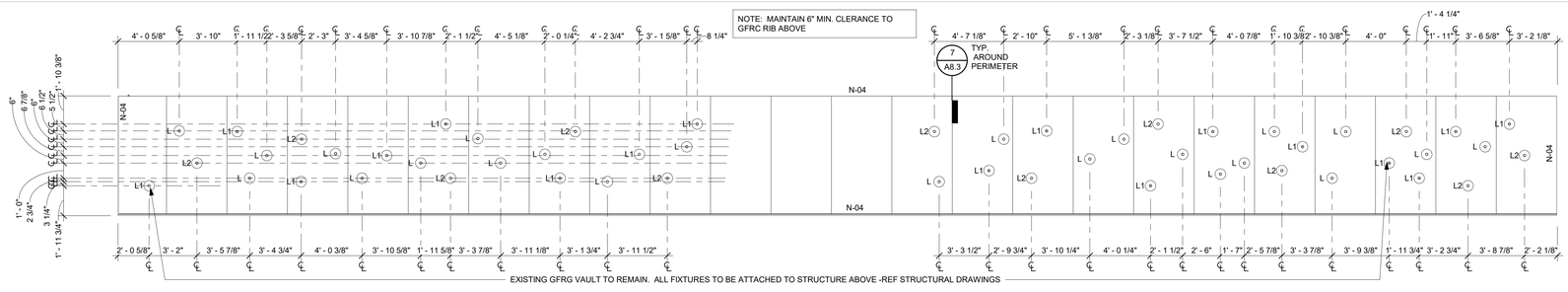
1 LEVEL 3 - REFLECTED CEILING PLAN

1/8" = 1'-0"

REFLECTED PLAN LEGEND:

- C# — KEYED NOTE
- 1i — LIGHT FIXTURE VARIES IN SIZE AND SHAPE - REF TO ELECTRICAL DOCS FOR SCHEDULE
- GWB CEILING
- 2X2 ACT AND GRID
- ACCUSTICAL PANNEL
- AP — 2X2 ACCESS PANEL
- 2X2 AIR SUPPLY
- 2X2 AIR RETURN
- LINER DIFFUSER 48" OR 24" LENGTH
- CJ — GWB CONTROL JOINT, SEE DETAIL 6/A8.2
- HANGING CEILING MICROPHONE, AV4 - REF. AG 1.0 EQUIPMENT SCHEDULE
- AV6 — CEILING RECESSED SPEAKER, AV6 - REF. AG 1.0 EQUIPMENT SCHEDULE
- AREA NOT IN PROJECT SCOPE
- 10' - 0" — CEILING HEIGHT ABOVE FINISHED FLOOR
- CF-1 — CEILING FINISH; SEE FINISH SCHEDULE
- ETR — (E) CEILING TO REMAIN
- EXS — EXPOSED STRUCTURE OVERHEAD
- (E) OR (R) — EXISTING OR REINSTALLED SALVAGED

SEE AG 1.0 FOR GENERAL FINISH NOTES
SEE AG 1.0 FOR GENERAL CEILING NEW WORK NOTES
SEE AG 1.0 FOR FINISH SCHEDULE



2 LOBBY PENDANTS ENLARGED PLAN

1/4" = 1'-0"

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LEVEL 3 REFLECTED CEILING PLAN

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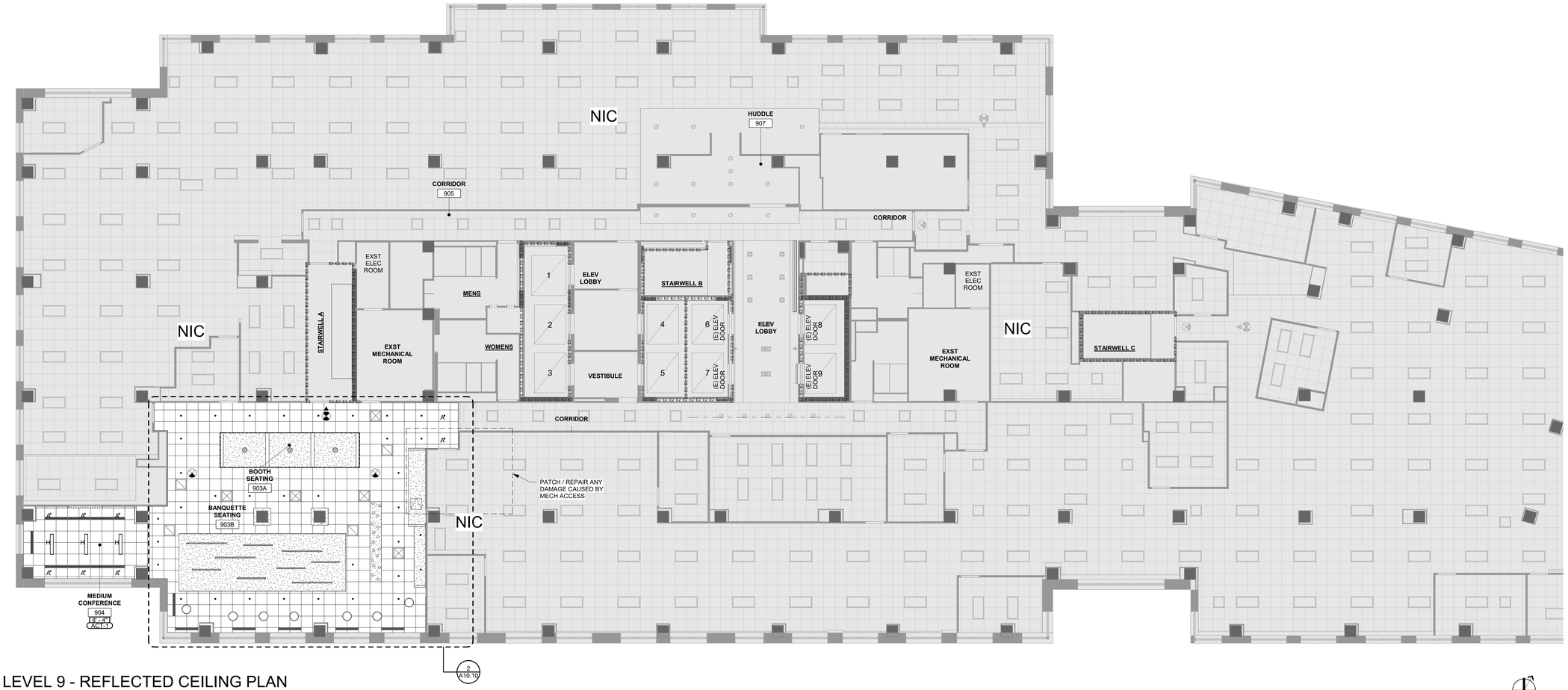
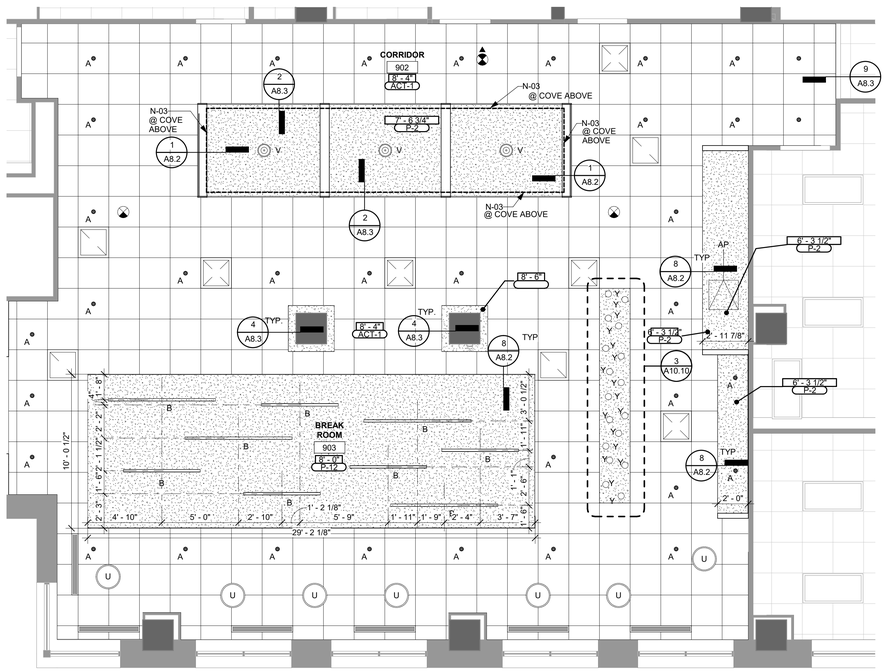


1 LEVEL 9 - REFLECTED CEILING PLAN
1/8" = 1'-0"

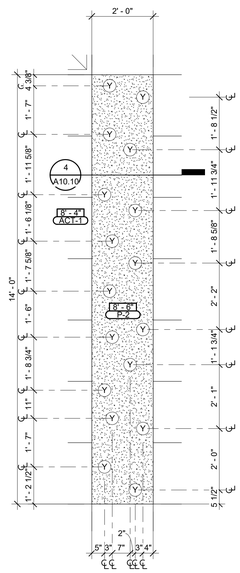
REFLECTED PLAN LEGEND:

- C# — KEYED NOTE
- 1i — LIGHT FIXTURE VARIES IN SIZE AND SHAPE - REF TO ELECTRICAL DOCS FOR SCHEDULE
- GWB CEILING
- 2X2 ACT AND GRID
- ACCUSTICAL PANNEL
- AP — 2X2 ACCESS PANEL
- 2X2 AIR SUPPLY
- 2X2 AIR RETURN
- LINER DIFFUSER 48" OR 24" LENGTH
- CJ — GWB CONTROL JOINT, SEE DETAIL 6/A8.2
- HANGING CEILING MICROPHONE, AV4 - REF. AG 1.0 EQUIPMENT SCHEDULE
- CEILING RECESSED SPEAKER, AV6 - REF. AG 1.0 EQUIPMENT SCHEDULE
- AREA NOT IN PROJECT SCOPE
- 10' - 0" — CEILING HEIGHT ABOVE FINISHED FLOOR
- CF-1 — CEILING FINISH; SEE FINISH SCHEDULE
- ETR — (E) CEILING TO REMAIN
- EXS — EXPOSED STRUCTURE OVERHEAD
- (E) OR (R) — EXISTING OR REINSTALLED SALVAGED

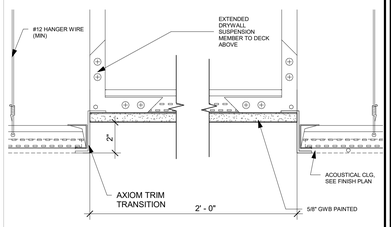
SEE AG 1.0 FOR GENERAL FINISH NOTES
SEE AG 1.0 FOR GENERAL CEILING NEW WORK NOTES
SEE AG 1.0 FOR FINISH SCHEDULE



2 LIGHT PATTERN - 903 BREAK ROOM
1/4" = 1'-0"



3 903 BREAK ROOM - RCP - GROUP TABLE
1/2" = 1'-0"



4 903 BREAKROOM ACCENT CEILING
3" = 1'-0"

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SCHEDULES - FINISH MATERIALS SCHEDULE

DESIGNATION	DESCRIPTION	MANUFACTURER	SERIES/FINISH/STYLE	COLOR	NOTES	CONTACT
PAINT						
P-1	PAINT	SHERWIN WILLIAMS	EGGSHELL; LOW VOC	SW7014; EIDER WHITE	TYPICAL PAINT THROUGHOUT, U.O.N.	BILL RAINS @ 301.902.3229
P-2	PAINT	SHERWIN WILLIAMS	FLAT; LOW VOC	SW7007; CEILING BRIGHT WHITE	TYPICAL CEILING PAINT, U.O.N	BILL RAINS @ 301.902.3229
P-3	PAINT	SHERWIN WILLIAMS	FLAT; LOW VOC	SW6991; BLACK MAGIC	ACCENT CEILING PAINT AT LIBRARY	BILL RAINS @ 301.902.3229
P-4	PAINT	SHERWIN WILLIAMS	EGGSHELL; LOW VOC	SW6918; HUMOROUS GREEN	ACCENT PAINT WHERE NOTED	BILL RAINS @ 301.902.3229
P-5	PAINT	SHERWIN WILLIAMS	EGGSHELL; LOW VOC	SW6958; DYNAMIC BLUE	ACCENT PAINT WHERE NOTED	BILL RAINS @ 301.902.3229
P-6	PAINT	SHERWIN WILLIAMS	EGGSHELL; LOW VOC	SW6824; FORGET ME NOT	ACCENT PAINT WHERE NOTED	BILL RAINS @ 301.902.3229
P-10	PAINT	SHERWIN WILLIAMS	EGGSHELL; LOW VOC	SW9057; AQUATAINE	ACCENT PAINT AT PANTRY WHERE NOTED	BILL RAINS @ 301.902.3229
P-11	PAINT	SHERWIN WILLIAMS	EGGSHELL; LOW VOC	SW9058; SECRET COVE	ACCENT PAINT AT PANTRY WHERE NOTED	BILL RAINS @ 301.902.3229
P-12	PAINT	SHERWIN WILLIAMS	FLAT; LOW VOC	SW9057; AQUATAINE	ACCENT CEILING PAINT AT PANTRY	BILL RAINS @ 301.902.3229
P-13	PAINT	SHERWIN WILLIAMS	EGGSHELL; LOW VOC	SW7656; RHINESTONE	TYPICAL PAINT AT PANTRY	BILL RAINS @ 301.902.3229
P-21	PAINT	SHERWIN WILLIAMS	EGGSHELL; LOW VOC	TBD	ACCENT PAINT AT G-LEVEL 1	BILL RAINS @ 301.902.3229
P-22	PAINT	SHERWIN WILLIAMS	EGGSHELL; LOW VOC	TBD	ACCENT PAINT AT G-LEVEL 2	BILL RAINS @ 301.902.3229
P-23	PAINT	SHERWIN WILLIAMS	EGGSHELL; LOW VOC	TBD	ACCENT PAINT AT G-LEVEL 3	BILL RAINS @ 301.902.3229
P-26	PAINT	SHERWIN WILLIAMS	EGGSHELL; LOW VOC	SW6991; BLACK MAGIC	ACCENT AT ELEVATOR LOBBY OPT. 2 WHERE NOTED	BILL RAINS @ 301.902.3229
P-27	PAINT	SHERWIN WILLIAMS	SEMI-GLOSS; LOW VOC	SW7663; MONORAIL SILVER	TYPICAL PAINT AT DOORS	BILL RAINS @ 301.902.3229
P-28	PAINT	SHERWIN WILLIAMS	SEMI-GLOSS; LOW VOC	SW7073; NETWORK GRAY	TYPICAL PAINT AT TRIM	BILL RAINS @ 301.902.3229
P-29	PAINT	SHERWIN WILLIAMS	FLAT; LOW VOC	SW7663; MONORAIL SILVER	ACCENT PAINT AT ELEVATOR LOBBY CEILINGS	BILL RAINS @ 301.902.3229
P-30	PAINT	SHERWIN WILLIAMS	EGGSHELL; LOW VOC	SW6313; KIRSCH RED	ACCENT PAINT AT CONFERENCE ROOMS WHERE NOTED	BILL RAINS @ 301.902.3229
P-31	PAINT	SHERWIN WILLIAMS	EGGSHELL; LOW VOC	SW6551; PURPLE PASSAGE	ACCENT PAINT AT CONFERENCE ROOMS WHERE NOTED	BILL RAINS @ 301.902.3229
P-32	PAINT	IDEA PAINT	DRY ERASE WHITEBOARD	CREATE WHITE	DRY ERASE PAINT WHERE NOTED	IDEAPAINT @ 617.714.1052
P-33	PAINT	SHERWIN WILLIAMS	FLAT; LOW VOC	SW6958; DYNAMIC BLUE	ACCENT PAINT AT ELEVATOR LOBBY CEILINGS @ 1ST, 2ND AND 3RD FLOORS	BILL RAINS @ 301.902.3229
P-41	PAINT	SHERWIN WILLIAMS	FLAT; LOW VOC	TBD	ACCENT PAINT AT ELEVATOR LOBBY CEILINGS @ G-LEVEL 1	BILL RAINS @ 301.902.3229
P-42	PAINT	SHERWIN WILLIAMS	FLAT; LOW VOC	TBD	ACCENT PAINT AT ELEVATOR LOBBY CEILINGS @ G-LEVEL 2	BILL RAINS @ 301.902.3229
P-43	PAINT	SHERWIN WILLIAMS	FLAT; LOW VOC	TBD	ACCENT PAINT AT ELEVATOR LOBBY CEILINGS @ G-LEVEL 3	BILL RAINS @ 301.902.3229
P-44	PAINT	SHERWIN WILLIAMS	EGGSHELL; LOW VOC	SW6824; FORGET ME NOT	ACCENT PAINT AT LIBRARY WHERE NOTED	BILL RAINS @ 301.902.3229
P-45	PAINT	SHERWIN WILLIAMS	SEMI-GLOSS; LOW VOC	SW7007; CEILING BRIGHT WHITE	ACCENT PAINT WHERE NOTED ON PAINT GRADE WOOD	BILL RAINS @ 301.902.3229
P-46	PAINT	SHERWIN WILLIAMS	EGGSHELL; LOW VOC	SW6510; LOYAL BLUE	ACCENT PAINT WHERE NOTED	BILL RAINS @ 301.902.3229
P-47	PAINT	SHERWIN WILLIAMS	FLAT; LOW VOC	SW6510; LOYAL BLUE	ACCENT CEILING PAINT WHERE NOTED	BILL RAINS @ 301.902.3229
P-48	PAINT	SCUFFMASTER	ARMOR	TBD	PAINT AT ELEVATOR DOORS EXCEPT FLOORS 1 THROUGH 3	TRACY LEWIS @ 973.900.4191
P-49	PAINT	SHERWIN WILLIAMS	EGGSHELL; LOW VOC	SW7073; NETWORK GRAY	PAINT AT COLUMNS ON 1ST FLOOR	BILL RAINS @ 301.902.3229
P-50	PAINT	SHERWIN WILLIAMS	SEMI-GLOSS; LOW VOC	SW7014; EIDER WHITE	PAINT WHERE NOTED	BILL RAINS @ 301.902.3229
P-51	PAINT	SHERWIN WILLIAMS	SEMI-GLOSS; LOW VOC	SW6510; LOYAL BLUE	ACCENT PAINT WHERE NOTED	BILL RAINS @ 301.902.3229
ST-1	STAIN	MINWAX	GEL STAIN	HICKORY	APPLY TO FLAT FLEXIBLE TRIM AND NOSING AT CHILDRENS AREA	BILL RAINS @ 301.902.3229
BASE						
MB-1	METAL BASE	CUSTOM FABRICATED	4" HIGH; 1/4" STEEL TRIM	BLACK; KYNAR FINISH	METAL BASE AT ELEVATOR LOBBIES WHERE NOTED	N/A
MB-2	METAL BASE	FRY REGLET	4" HIGH MILLWORK BASE, MWRB-100400	DARK BRONZE	METAL BASE AT MILLWORK WHERE NOTED	NICK GREEN @ 770.468.2599
MB-3	METAL BASE	CUSTOM FABRICATED	4" HIGH; 1/4" STEEL BASE WITH 1" FLANGE	BLACK; KYNAR FINISH	METAL BASE AT G LEVELS AND 2ND-10TH FLOOR ELEVATOR LOBBY	N/A
MB-4	METAL BASE	FRY REGLET	4" HIGH MILLWORK BASE, MWRB-100400	WHITE HIGH GLOSS	METAL BASE AT PANTRY WHERE NOTED	NICK GREEN @ 770.468.2599
MB-5	METAL BASE	FRY REGLET	4" HIGH MILLWORK BASE, MWRB-100400	ALUMINUM WITH ANODIZED FINISH	METAL BASE AT USS ARLINGTON MODEL STAND	
PB-2	PORCELAIN BASE	CERAMIC TECHNICS	6" HIGH COVE BASE	CALACATTA ORO	BASE WHERE NOTED; PROVIDE SCHLUTER JOLLY TRIM AT COVE TO WALL TRANSITION; BRUSHED NICKEL FINISH	NANCY BURNS @ 770.740.0050
RB-1	RUBBER BASE	JOHNSONITE	4" COVE	29 MOON ROCK WG	RUBBER BASE AT PANTRY	TYLER BREWER @ 202.507.2196
RB-2	RUBBER BASE	JOHNSONITE	4" COVE	63 BURNT UMBER B	RUBBER BASE WHERE NOTED	TYLER BREWER @ 202.507.2196
RB-3	RUBBER BASE	ROPPE	4" COVE	SMOKE	RUBBER BASE WHERE NOTED	JIM POLING @ 410.570.7792
RB-4	RUBBER BASE	JOHNSONITE	4" COVE	199 DOCKSIDE WG	RUBBER BASE WHERE NOTED	TYLER BREWER @ 202.507.2196
TB-1	TERRAZZO BASE	TERROXY	6" HIGH PRECAST TERRAZZO BASE	CUSTOM TO MATCH TERRAZZO FLOOR	TERRAZZO BASE WHERE NOTED; INCLUDING CURVED SURFACES	BETHANY FISCHER @ 410.790.5315
WB-1	WOOD BASE	N/A	TO MATCH LIBRARY CASEWORK	TO MATCH LIBRARY CASEWORK	WOOD BASE WHERE NOTED	-
WB-2	WOOD BASE	N/A	POPLAR; 3/4" X 4" STRAIGHT BASE	STAINED TO MATCH PL-5	WOOD BASE WHERE NOTED	-
FLOORING						
CPT-1	CARPET	MILLIKEN	COLOR FIELD; 9.8' X 39.4" PLANK	COL5 FELT GREY	CARPET AT LIBRARY AND COORIDORS WHERE NOTED; INSTALL RANDOM ASHLAR; 50/50 MIX WITH CPT-2 @ COORIDORS WHERE NOTED; VIEW MANUFACTUERER CARPET MAP FOR LIBRARY INSTALLATION	MARY CEPKO @ 202.841.8732
CPT-2	CARPET	MILLIKEN	COLOR FIELD; 9.8' X 39.4" PLANK	COL126-5 DRY DOCK	CARPET AT LIBRARY, COORIDORS AND CONFERENCE WHERE NOTED; INSTALL RANDOM ASHLAR;VIEW MANUFACTUERER CARPET MAP FOR LIBRARY INSTALLATION	MARY CEPKO @ 202.841.8732
CPT-3	CARPET	MILLIKEN	COLOR FIELD; 9.8' X 39.4" PLANK	COL126 OCEAN MIST	CARPET AT LIBRARY WHERE NOTED; INSTALL RANDOM ASHLAR; VIEW MANUFACTUERER CARPET MAP FOR LIBRARY INSTALLATION	MARY CEPKO @ 202.841.8732
CPT-20	CARPET	SHAW	STRAIGHT FORWARD 59224; 24" X 24" TILE	CLOUD 70530	CARPET WHERE NOTED	BUTCH GAFFNEY @ 202.253.9358
CPT-21	CARPET	MILLIKEN	ARCADIA; SHORELINE; 9.8" X 39.4" PLANK	SHR6-144 ACREAGE	CARPET AT CPHD	MARY CEPKO @ 202.841.8732
LVT-2	LUXURY VINYL TILE	MASLAND CONTRACT	CALIBRE; 6" X48"; 3MM THICK	W1004	LVT AT PANTRY AND ELEVATOR LOBBIES WHERE NOTED; INSTALL ASHLAR	KYLE MANDEVILLE @ 202.442.4500
LVT-3	LUXURY VINYL TILE	MASLAND CONTRACT	CALIBRE; 6" X48"; 3MM THICK	W1001	LVT AT PANTRY WHERE NOTED; INSTALL HERRINGBONE	KYLE MANDEVILLE @ 202.442.4500
LVT-4	LUXURY VINYL TILE	MANNINGTON	SPACIA WOOD COLLECTION; 7.25"X48" PLANKS	SASH OAK SS5W3032	LVT AT LIBRARY; INSTALL ASHLAR	NEAL HELM @ 443.835.0935
TR-1	EPOXY TERRAZZO	TERROXY RESIN SYSTEMS	CUSTOM MIX TO INCLUDE WHITE MARBLE, CRYSTAL GLASS, MIRROR GLASS AND MOTHER OF PEARL	TM# 19-3700; 200 GRIT DIAMOND PAD FINISH WITH SEALER	TERRAZZO FLOOR ON BONDED CONCRETE TOPPING FOLLOWING ACI RECOMMENDATIONS WHERE NOTED	BETHANY FISCHER @ 410.790.5315
TR-2	CAST IN PLACE TERRAZO	TERROXY RESIN SYSTEMS	CUSTOM MIX TO INCLUDE WHITE MARBLE, CRYSTAL GLASS, MIRROR GLASS AND MOTHER OF PEARL	TM# 19-3700; 200 GRIT DIAMOND PAD FINISH WITH SEALER	TERRAZZO FLOOR ON BONDED CONCRETE TOPPING FOLLOWING ACI RECOMMENDATIONS WHERE NOTED	BETHANY FISCHER @ 410.790.5315
VCT-1	VINYL COMPOSITION TILE	ARMSTRONG	STANDARD EXCELON; 20"X20"	CHARCOAL 51915	VCT WHERE NOTED; INSTALL STACKED	LIEN Q. CHU @ 202.253.2088
WF-1	WALK OFF MAT	CONSTRUCTION SPECIALTIES, INC.	PEDITRED LP G3; RECESSED WITH TAPERED ANGLE FRAME	#7325 WROUGHT IRON	WALK OFF MAT AT LOBBY WHERE NOTED	WILL BOARDMAN @ 804.223.3134
TILE						
PT-3	PORCELAIN TILE	CERAMIC TECHNICS	NEW YORK MOSAIC CO. HEXAGONO; PIRAMIDAL; 6" X 6"; MATTE	PERLA	WALL TILE AT PANTRY; GROUT JOINT: 1/16"; GROUT COLOR: MAPEI: 93 WARM GRAY	NANCY BURNS @ 770.740.0050
PT-4	PORCELAIN TILE	CERAMIC TECHNICS	NEW YORK MOSAIC CO. HEXAGONO; PIRAMIDAL; 6" X 6"; GLOSSY	PERLA	WALL TILE AT PANTRY; GROUT JOINT: 1/16"; GROUT COLOR: MAPEI: 93 WARM GRAY	NANCY BURNS @ 770.740.0050
PT-5	PORCELAIN TILE	CERAMIC TECHNICS	BARI MARBLE STONE; 12"X24"; MATTE	CALACATTA ORO	FLOOR TILE AT RESTROOMS	NANCY BURNS @ 770.740.0050
PT-6	PORCELAIN TILE	CERAMIC TECHNICS	BARI MARBLE STONE; 12"X24"; POLISHED	CALACATTA ORO	WALL TILE AT RESTROOMS	NANCY BURNS @ 770.740.0050
PT-7	PORCELAIN TILE	DALTILE	GAINESWOOD; 6"X24" PLANK; MATTE	PINE GW04	TILE AT STAIR RISERS AND TREADS WITH SCHLUTER NOSING	AMY GAY @ 703.401.1936
PLASTIC LAMINATE						
PL-2	PLASTIC LAMINATE	FORMICA	HIGH GLOSS; COLORCORE 2	NEW WHITE; 7223-90	VERTICAL SURFACE AT PANTRY WHERE NOTED	TROY ROBERTS @ 443.271.1160
PL-3	PLASTIC LAMINATE	NEVAMAR	NATURAL GRAIN	EISKAFFE; WZ0056	VERTICAL SURFACE AT CONFERENCE	LAURA ANN FRANCIS @ 202.380.7172
PL-5	PLASTIC LAMINATE	NEVAMAR	VELVET	WHISPERING WIND; WX4600	VERTICAL SURFACE AT BOARD ROOM ENTRY WHERE NOTED	LAURA ANN FRANCIS @ 202.380.7172
PL-6	PLASTIC LAMINATE	WILSONART	CW SW HUMORUS GREEN ZB692-JBR	CUSTOM	VERTICAL AND HORIZONTAL SURFACE AT LIBRARY WHERE NOTED	CRYSTAL BARNES @ 301.520.2934
PL-7	PLASTIC LAMINATE	WILSONART	CW SW DYNAMIC BLUE ZB693-JBR	CUSTOM	VERTICAL AND HORIZONTAL SURFACE AT LIBRARY WHERE NOTED	CRYSTAL BARNES @ 301.520.2934
PL-8	PLASTIC LAMINATE	WILSONART	CW SW FORGETMN ZB694-JBR	CUSTOM	VERTICAL AND HORIZONTAL SURFACE AT LIBRARY WHERE NOTED	CRYSTAL BARNES @ 301.520.2934
SOLID SURFACE						
SS-2	SOLID SURFACE	CORIAN	1/2" (12.7MM); EASED EDGE	WHITE ONYX	VERTICAL AND HORIZONTAL SURFACE AT LOBBY DESK, CONFERENCE ROOMS, RESTROOMS AND BOARD ROOM WALL WHERE NOTED	ROYCE BROWN @ 202.339.1213
SS-3	SOLID SURFACE	CORIAN	1/2" (12.7MM); EASED EDGE	SANDSTORM	VERTICAL AND HORIZONTAL SURFACE LOBBY WHERE NOTED	ROYCE BROWN @ 202.339.1213
SS-4	SOLID SURFACE	CORIAN	1/2" (12.7MM); EASED EDGE	GLACIER WHITE	HORIZONTAL SURFACE AT LIBRARY WHERE NOTED	ROYCE BROWN @ 202.339.1213
SS-5	SOLID SURFACE	WILSONART	1/2" (12.7MM); EASED EDGE	GREY BEOLA; 9218CM	HORIZONTAL SURFACE AT LIBRARY WHERE NOTED	CRYSTAL BARNES @ 301.520.2934
QUARTZ						
QZ-2	QUARTZ	CORIAN QUARTZ	3CM; EASED EDGE	NEBULA	HORIZONTAL SURFACE AT PANTRY WHERE NOTED	ROYCE BROWN @ 202.339.1213
QZ-3	QUARTZ	CORIAN QUARTZ	3CM; EASED EDGE	MARBLE MIST	VERTICAL AND HORIZONTAL SURFACE AT LIBRARY WHERE NOTED	ROYCE BROWN @ 202.339.1213
QZ-6	QUARTZ	WILSONART	3CM; EASED EDGE	QUARRY CLIFF	HORIZONTAL SURFACE AT PANTRY WHERE NOTED	CRYSTAL BARNES @ 301.520.2934
QZ-7	QUARTZ	CORIAN QUARTZ	3CM; EASED EDGE	DOVE GREY LEATHERED	HORIZONTAL SURFACE WHERE NOTED	ROYCE BROWN @ 202.339.1213
QZ-8	QUARTZ	CORIAN QUARTZ	3CM; EASED EDGE	MYSTIC BLACK	HORIZONTAL SURFACE WHERE NOTED	ROYCE BROWN @ 202.339.1213
WALLCOVERING						
WC-1	WALLCOVERING	WOLF GORDON	CUSTOM	CUSTOM	WALLCOVERING WHERE NOTED	JANEL CONFORTI @ 800.347.0550
WC-10	WALLCOVERING	WOLF GORDON	CUSTOM	CUSTOM	WALLCOVERING AT BREAK ROOM WHERE NOTED	JANEL CONFORTI @ 800.347.0550
SPECIALTIES						
AP-1	ACRYLIC PANEL	3FORM	CHROMA; 48" X 96" PANEL; 1/2" THICK; SUPERMATTE FINISH F05	MATISSE; B24	ACRYLIC PANEL WHERE NOTED	CHRIS EMAD @ 443.848.9364
AP-2	ACRYLIC PANEL	3FORM	CHROMA; 48" X 96" PANEL; 1/2" THICK; SUPERMATTE FINISH F05	TURTLE; G28	ACRYLIC PANEL AT LIBRARY WHERE NOTED	CHRIS EMAD @ 443.848.9364
AP-3	ACRYLIC PANEL	3FORM	CHROMA; 48" X 96" PANEL; 1/2" THICK; SUPERMATTE FINISH F05	IRIS; V11	ACRYLIC PANEL AT LIBRARY WHERE NOTED	CHRIS EMAD @ 443.848.9364
AP-4	ACRYLIC PANEL	3FORM	CHROMA; 48" X 96" PANEL; 2" THICK; RENEWABLE MATTE FINISH F10	CALYPSO; B23	ACRYLIC PANEL AT NEIGHBORHOOD WALL	CHRIS EMAD @ 443.848.9364
C-1	METAL COATING	-	ANDODIZED ALUMINUM COATING	-	METAL COATING WHERE NOTED	-
F-1	GLASS FILM	SOLYX	SXJ-0591-72; 72" HIGH	DUAL FEATHER GRADIENT	GLASS FILM WHERE NOTED	CHARL BERNING @ 888.657.5224
F-2	GLASS FILM	SOLYX	SXJ-0585; 60" HIGH	DUAL FEATHER GRADIENT	GLASS FILM WHERE NOTED	CHARL BERNING @ 888.657.5224
M-1	METAL PANELS	ART DISPLAY CO	CUSTOM FLATBED-PRINTED IMAGE ON ALUMINUM PANEL ON STEEL SUPPORT SYSTEM	ALUMINUM PANEL TO HAVE LOOK OF BRUSHED STAINLESS STEEL	METAL PANELS ON GROUND FLOOR AND ELEVATOR LOBBIES	BEN BIROONAK @ 240.765.1400 EXT 316
M-3	METAL TRIM	CUSTOM FABRICATED	1/4" STEEL TRIM	BLACK; KYNAR FINISH	METAL AT ELEVATOR SURROUNDS	-
M-4	METAL	CUSTOM FABRICATED	1/8" STEEL PANEL WITH STEEL PLATE TRIM AND RIVETS -SEE SECTION DETAILS	GROUND SMOOTH ON ALL EDGES AND PAINTED	METAL AT USS ARLINGTON DISPLAY	-
MDF-1	WALL PANEL	SOELBERG	CLASSIC COLLECTION; CARTA; 48" X 96" PANELS; 3/4" THICK	WHITE HIGH GLOSS	DIMENSIONAL PANEL AT PANTRY BOOTHS	SPENCER BELL @ 301.302.1405
MDF-2	WALL PANEL	SOELBERG	ELEVATE COLLECTION; ONDATA; 48" X 96" PANELS; 1 1/8" THICK	BRUSHED STEEL HIGH GLOSS	DIMENSIONAL PANEL AT LOBBY STAIR	SPENCER BELL @ 301.302.1405
UP-1	UPHOLSTERY	DESIGNTEX	CROSSHATCH COLLECTION	3559-403; OCEAN	UPHOLSTERY AT LIBRARY WHERE NOTED	KARYN SCHMITT AT 202.744.4536
UP-2	UPHOLSTERY	KNOLL TEXTILES	VIBE II COLLECTION	K2154/7; BEWITCHED	UPHOLSTERY AT LIBRARY WHERE NOTED	CHRISTINE PAPACHRISTOS @ 202.973.0416
UP-3	UPHOLSTERY	KNOLL TEXTILES	VIBE II COLLECTION	K2154/9; GRAFFITI	UPHOLSTERY AT LIBRARY WHERE NOTED	CHRISTINE PAPACHRISTOS @ 202.973.0416
UP-4	UPHOLSTERY	ARCHITEX	CUPERTINO COLLECTION	VOSS	UPHOLSTERY AT PANTRY WHERE NOTED	MARY NEAL KING @ 757.621.4323
UP-5	UPHOLSTERY	DESIGNTEX	ROVE COLLECTION	3630-501; ALOE	UPHOLSTERY AT PANTRY WHERE NOTED	KARYN SCHMITT AT 202.744.4536
WD-1	WOOD VENEER	-	STAIN GRADE	STAINED TO MATCH WP-2	WOOD AT NEIGHBORHOOD WALL	-
WD-2	WOOD	-	STAIN GRADE	STAINED TO MATCH WP-1	WOOD AT LOBBY AND LIBRARY WHERE NOTED; GC TO PROVIDE SAMPLES FOR REVIEW	-
WD-3	WOOD	-	STAIN GRADE	STAINED TO MATCH FORMICA DANISH MAPLE	WOOD AT LIBRARY SHELVING	-
WD-4	WOOD	SPACEWALL INTERNATIONAL	HPL SLATWALLNPANELS; 4' X 8' PANELS	FORMICA DANISH MAPLE	SLAT WALL AT LIBRARY WHERE NOTED	SPACEWALL @ 404.294.9564
WD-5	WOOD PANEL	ACOUSTICAL ART CONCEPTS	AKU PANEL;20MM THICK; 23 5/8" X 94 1/2" PANEL	WALNUT	WOOD AT ELEVATOR SURROUNDS	ACOUSTICAL ART CONCEPTS @ 336.786.6254
WD-7	WOOD	-	STAIN GRADE	STAINED TO MATCH PL-5	WOOD AT LOBBY WHERE NOTED	-
WP-1	WALL PROTECTION	ACROVYN	.040 SHEET APPLIED BY MILLWORKER	#372 CLASSIC MAPLE	WALL PROTECTION WHERE NOTED; CAULK JOINTS COLOR COORDINATED TO MATCH WOOD TONE	WILL BOARDMAN @ 804.223.3134
WP-2	WALL PROTECTION	ACROVYN	.040 SHEET APPLIED BY MILLWORKER	#1352 FOSSIL TEAK	WALL PROTECTION WHERE NOTED; CAULK JOINTS COLOR COORDINATED TO MATCH WOOD TONE	WILL BOARDMAN @ 804.223.3134
WP-3	WALL PROTECTION	ACROVYN	WRAPPED PANELS	#1351 SMOKEY ELM	WALL PROTECTION AT ELEVATOR LOBBIES; FRY REGLET 1/2" MILLWORK TRIM IN DARK BRONZE	WILL BOARDMAN @ 804.223.3134
WP-4	WALL PROTECTION	ACROVYN	ACROVYN BY DESIGN; CUSTOM GRAPHIC	IMAGE TBD	WALL PROTECTION AT COLUMNS WHERE NOTED; CLEAR JOINTS	WILL BOARDMAN @ 804.223.3134
WP-5	WALL PROTECTION	ACROVYN	WRAPPED PANELS	#372 CLASSIC MAPLE	WALL PROTECTION AT USS ARLINGTON DISPLAY; FRY REGLET 1/2" MILLWORK TRIM IN SILVER SATIN	WILL BOARDMAN @ 804.223.3134
WP-6	WALL PROTECTION	ACROVYN	WRAPPED PANELS	#1352 FOSSIL TEAK	WALL PROTECTION AT LOBBY; FRY REGLET 1/2" MILLWORK TRIM IN DARK BRONZE	WILL BOARDMAN @ 804.223.3134
WV-1	WOOD VENEER	NATIONAL WALLCOVERING	WALNUT WOOD VENEER	STAINED TO MATCH WP-2		JENNIFER CALHOUN @ 703.206.8824
GLASS						
GL-1	GLASS	MCGRORY GLASS	BACKPAINTED GLASS	AINC-198	ACCENT GLASS AT LOBBY	PETE SCHENEMAN @ 202.253.0390
GL-2	GLASS	MCGRORY GLASS	BACKPAINTED GLASS	AINC-054	ACCENT GLASS AT BOARD ROOM	PETE SCHENEMAN @ 202.253.0390
GL-2	GLASS	MCGRORY GLASS	BACKPAINTED GLASS	DARK BLUE	ACCENT GLASS AT USS ARLINGTON DISPLAY CASE	PETE SCHENEMAN @ 202.253.0390
ACOUSTICAL CEILING						
AC-1	ACOUSTICAL CEILING	ARMSTRONG	WOODWORKS GRILLE; CUSTOM PATTERN	MAPLE	CEILING FEATURE AT LIBRARY; INCLUDE BIOACOUSTICAL INFILL PANELS IN MATTE BLACK	KEVIN SCHULZ @ 571.389.5864
ACT-1	ACOUSTICAL CEILING TILE	ARMSTRONG	FINE FISSURED TEGULAR WITH PRELUDE XL 15/16" EXPOSED TEE, WHITE	WHITE	ACOUSTICAL CEILING TILE WHERE NOTED	KEVIN SCHULZ @ 571.389.5864
ACT-3	ACOUSTICAL CEILING TILE	ARMSTRONG	FINE FISSURED TEGULAR WITH PRELUDE XL 15/16" EXPOSED TEE, WHITE	WHITE	ACOUSTICAL CEILING TILE WHERE NOTED - PATTERN PER CEILING PLANS	KEVIN SCHULZ @ 571.389.5864
AP-1	ACOUSTICAL CEILING PANEL	ARMSTRONG	ACOUSTIBUILT SEAMLESS ACOUSTICAL CEILING SYSTEM	WHITE	CEILING AT CUSTOMER SIDE OF TRANSACTION WINDOWS	KEVIN SCHULZ @ 571.389.5864

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Construction Documents for:
ARLINGTON COUNTY OFFICES RENOVATIONS
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

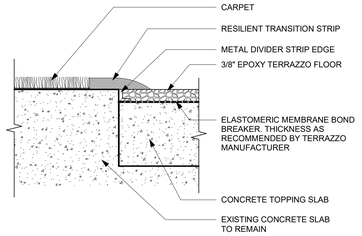
Issued 05/26/21
PERMIT / BID
Revisions

FINISH SCHEDULE AND DETAILS

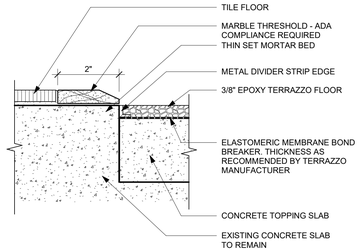
Scale
Drawn ML
Checked RM

F0.1

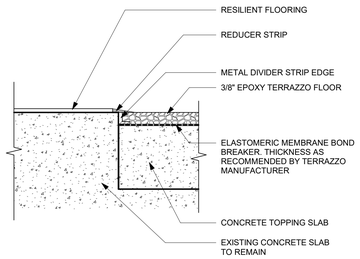
PERMIT / BID



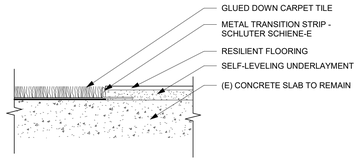
1 CARPET/ TERRAZZO -RESIL
6" = 1'-0"



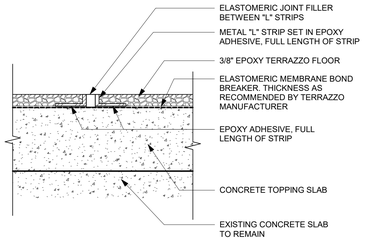
2 TILE TO TERRAZZO
6" = 1'-0"



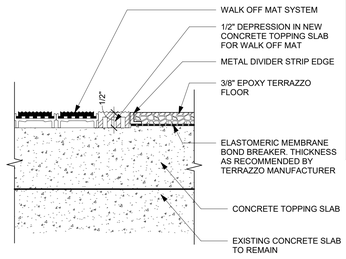
3 RESILIENT TO TERRAZZO
6" = 1'-0"



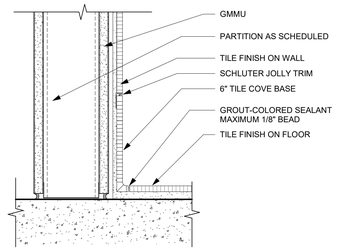
4 CARPET / VINYL - METAL
6" = 1'-0"



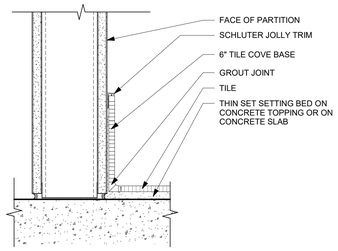
5 TERRAZZO CONTROL JOINT
6" = 1'-0"



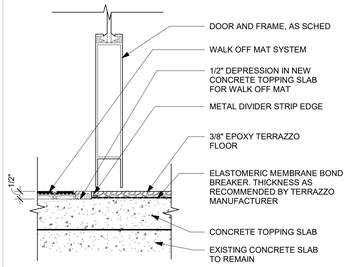
6 WALK OFF TO TERRAZZO
6" = 1'-0"



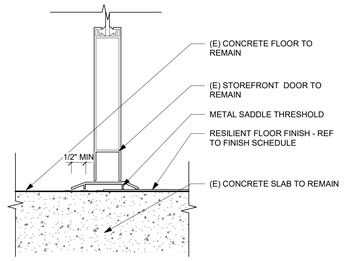
7 WALL TILE/ FLOOR TILE
3" = 1'-0"



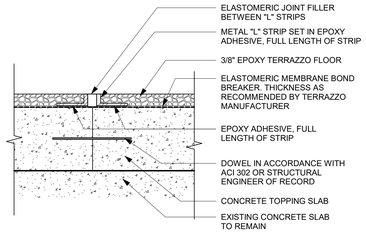
8 TILE BASE
3" = 1'-0"



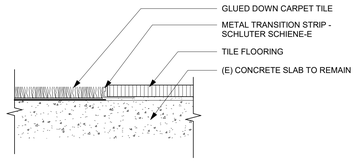
10 CONC/ WALKOFF MAT -MTL
3" = 1'-0"



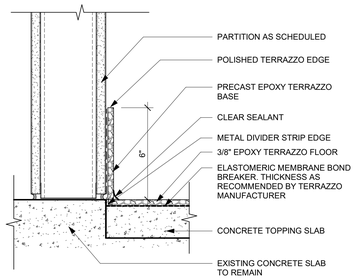
11 CONCRETE TO RESILIENT - MTL
3" = 1'-0"



12 TERRAZZO CONSTRUCTION JOINT
6" = 1'-0"



14 CARPET / TILE - METAL
6" = 1'-0"



15 TERRAZZO PRECAST BASE
3" = 1'-0"

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TRANSITION DETAILS

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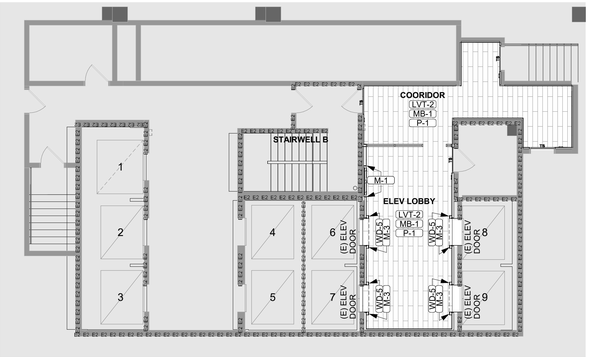
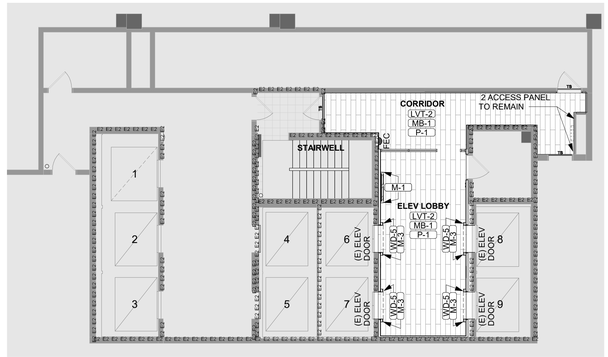
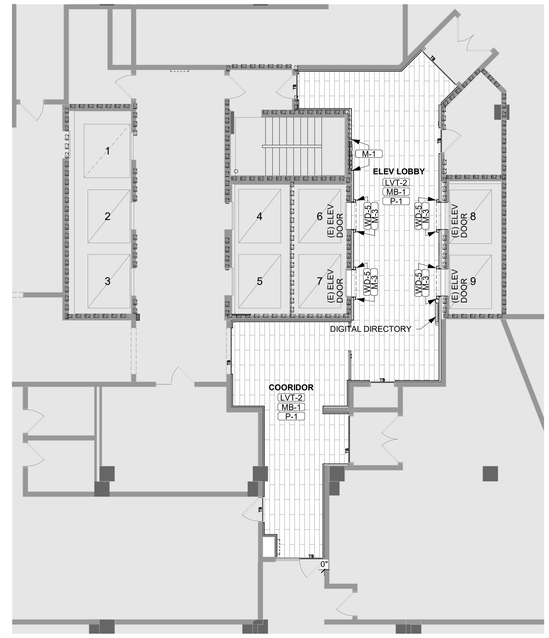


3 LEVEL G3 - FINISH PLAN
1/8" = 1'-0"



2 LEVEL G2 - FINISH PLAN
1/8" = 1'-0"



1 LEVEL G1 - FINISH PLAN
1/8" = 1'-0"

FINISH LEGEND:

TYPICAL MATERIAL ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
AC	ACRYLIC PANEL
CPT	CARPET
ETR	EXISTING TO REMAIN
F	GLASS FILM
FL	RUBBER FLOORING
G	GLASS
LVT	LUXURY VINYL TILE
M	METAL PANEL
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SP	SPECIALTY ITEM
SS	SOLID SURFACE
VCT	VINYL COMPOSITION TILE
WC	WALLCOVERING
WD	WOOD
WP	WALL PROTECTION
TS	TRANSITION STRIP
TH	THRESHOLD
	AREA NOT IN PROJECT SCOPE

FINISH NOTES:

1. SEE INTERIOR ELEVATIONS FOR ADITIONAL FINISH INFORMATION.
2. IN ROOMS WHERE ONLY A PORTION OF A WALL IS RENOVATED, PROVIDE NEW BASE AND WALL PAINT THE ENTIRE LENGHT OF THE WALL.
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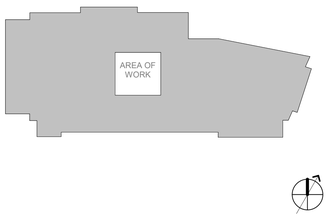
4. PROVIDE 1.5" X 1.5" STAINLESS STEEL CORNER GUARDS (BRUSHED FINISH) AT ALL GWB OUTSIDE CORNERS FOR FULL HEIGHT OF WALLS. EXACT LOCATION OF CORNER GUARDS TO BE DETERMINED DURING WALK-THROUGH BY OWNER, ARCHITECT, AND CONTRACTOR NEAR SUBSTANTIAL COMPLETION.

KEY PLAN

NOT TO SCALE



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G1, G2, G3 FINISH PLANS

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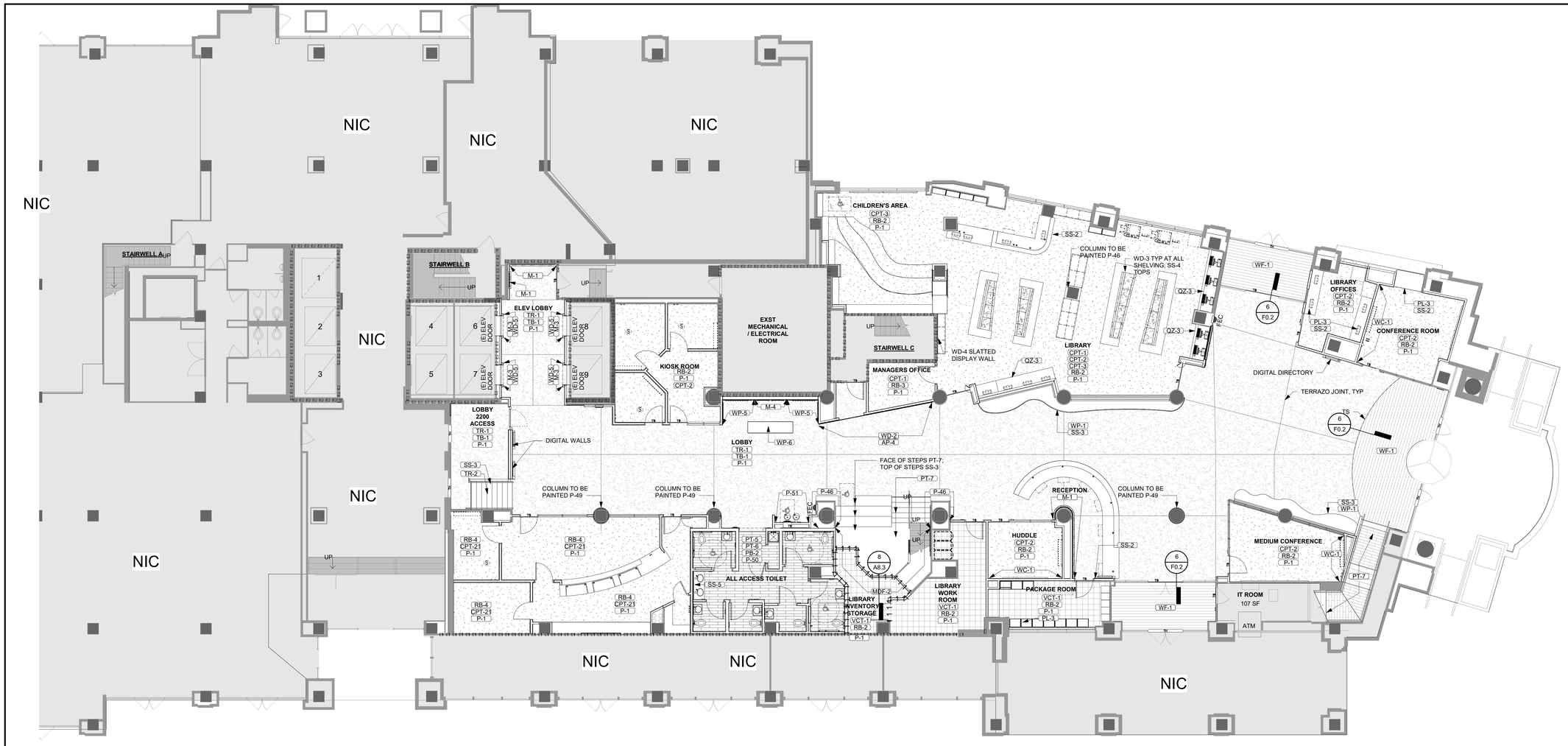

1 LEVEL 1 - FINISH PLAN
1/8" = 1'-0"

FINISH LEGEND:

TYPICAL MATERIAL ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
AC	ACRYLIC PANEL
CPT	CARPET
ETR	EXISTING TO REMAIN
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WP	WALL PROTECTION
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KEY PLAN

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LEVEL 1 FINISH PLAN

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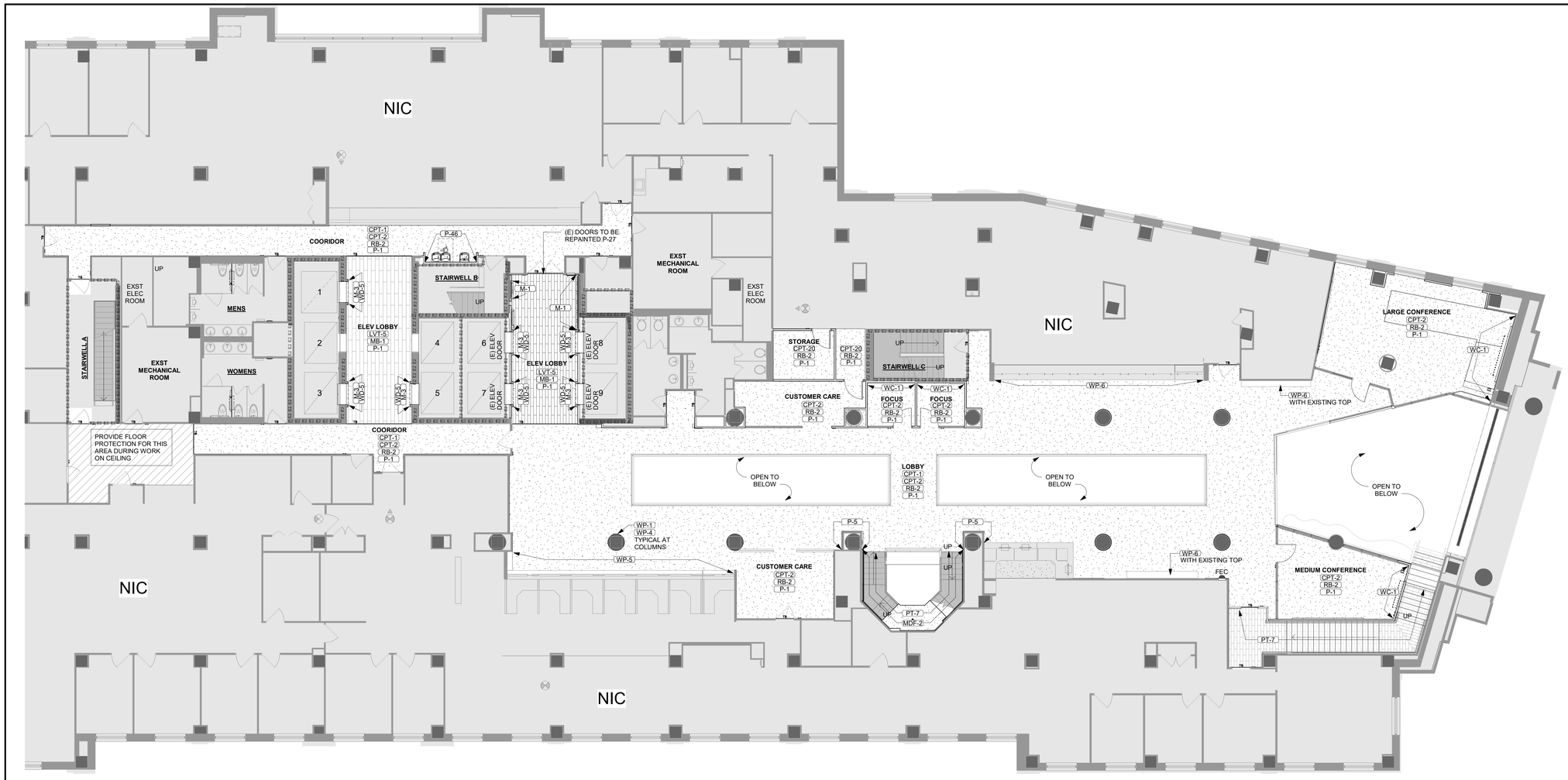

1 LEVEL 2 - FINISH PLAN
1/8" = 1'-0"

FINISH LEGEND:

TYPICAL MATERIAL ABBREVIATIONS

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KEY PLAN

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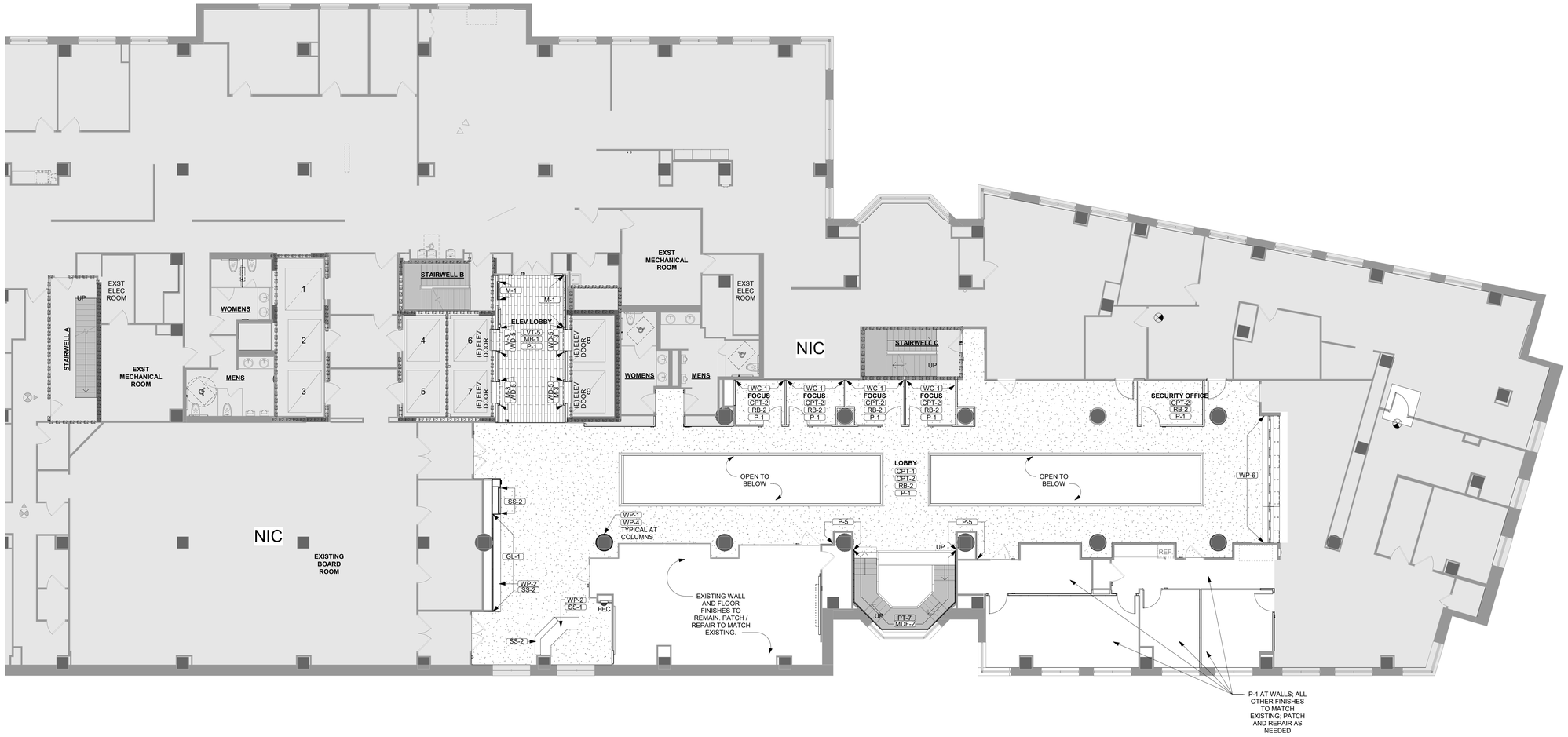

1 LEVEL 3 FINISH PLAN

1/8" = 1'-0"

FINISH LEGEND:

TYPICAL MATERIAL ABBREVIATIONS

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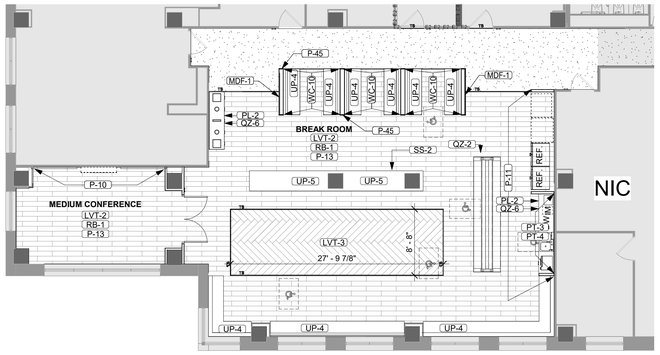

1 LEVEL 9 - FINISH PLAN

1/8" = 1'-0"

FINISH LEGEND:

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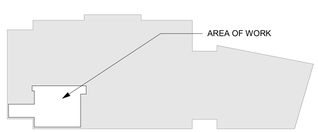

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GENERAL STRUCTURAL NOTES

A. BUILDING CODES AND STANDARDS

1. THE FOLLOWING CODES AND STANDARDS, INCLUDING ALL SPECIFICATION REFERENCED WITHIN, SHALL APPLY TO THE DESIGN, CONSTRUCTION, QUALITY CONTROL AND SAFETY OF ALL WORK PERFORMED ON THE PROJECT.
   a. "VIRGINIA UNIFORM STATEWIDE BUILDING CODE – 2015" (IBC – 2015 INCORPORATED BY REFERENCE)
   b. "MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES", (ASCE/SEI 7-10) AMERICAN SOCIETY OF CIVIL ENGINEERS.
   c. LOCAL AMENDMENTS.
2. ADDITIONAL CODES FOR MATERIALS SHALL BE FOUND IN THE APPROPRIATE SECTIONS THAT FOLLOW. SEE THOSE SECTIONS FOR THE APPLICABLE CODES.

B. DESIGN LOADS

1. GRAVITY - SUPERIMPOSED DEAD LOADS (IN ADDITION TO STRUCTURE DEAD LOADS)

	AREA	PSF
a.	ROOF	20 PSF
b.	TYPICAL FLOORS	15 PSF

2. GRAVITY - LIVE LOADS
   LIVE LOAD REDUCTION (LLR) APPLIED PER CODE

AREA	PSF	CONCENTRATED (POUNDS)
a. FRAMED FLOOR AREAS	100 PSF (INCLUDES PARTITIONS)	2,000
b. LOBBIES / STAIRS / EXITS	100 PSF	300
c. MECHANICAL	AS NOTED ON PLANS AND DETAILS	
d. CORRIDORS ABOVE 1ST FLOOR	80 PSF	

3. GRAVITY - ROOF LIVE LOADS

	UNIFORM	CONCENTRATED
a. ROOF LIVE LOAD	30 PSF MINIMUM (SNOW LOAD IS USED WHEN GREATER THAN 30 PSF)	300 POUNDS

   b. ROOF SNOW LOAD (PLUS DRIFTING WHERE APPLICABLE)
      (1) Pg= 25 psf
      (2) Pf = 21 psf
      (3) Ce = 1.0
      (4) I = 1.0
      (5) Ct = 1.2

4. LATERAL LOADS - WIND
   a. ULTIMATE WIND SPEED (3-SECOND GUST) 115 MPH
   b. NOMINAL WIND SPEED 89 MPH
   c. RISK CATEGORY: II
   d. EXPOSURE CATEGORY: B
   e. INTERNAL PRESSURE COEFFICIENT: GCpi = +/- 0.18
   f. COMPONENTS AND CLADDING:
      (1) ACTUAL PRESSURE(S) ON EVERY COMPONENT AND CLADDING ELEMENT SHALL BE DETERMINED BY THE LICENSED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE STRUCTURAL DESIGN ON SUCH ELEMENTS.
   g. LIMITED STRUCTURAL ALTERATIONS DO NOT AFFECT THE DEMAND/CAPACITY RATIO OF THE EXISTING LATERAL LOAD RESISTING ELEMENTS THEREFORE A LATERAL ANALYSIS WILL NOT BE PERFORMED. REFERENCE 2012 IEBC 807.5 AND 907.4.3.

5. LATERAL LOADS - SEISMIC
   a. RISK CATEGORY: II
   b. SEISMIC IMPORTANCE FACTOR: IE = 1.0
   c. MAPPED SPECTRAL RESPONSE ACCELERATIONS :
      (1) SS = .119
      (2) S1 = .051
   d. SITE CLASS: D
   e. SPECTRAL RESPONSE COEFFICIENTS :
      (1) SDS = .127
      (2) SD1 = .082
   f. SEISMIC DESIGN CATEGORY: B
   g. LIMITED STRUCTURAL ALTERATIONS DO NOT AFFECT THE DEMAND/CAPACITY RATIO OF THE EXISTING LATERAL LOAD RESISTING ELEMENTS THEREFORE A LATERAL ANALYSIS WILL NOT BE PERFORMED. REFERENCE 2012 IEBC 807.5 AND 907.4.3.

6. HANDRAILS AND GUARDRAILS: 200 POUNDS CONCENTRATED LOAD OR 50 PLF APPLIED AT ANY POINT IN ANY DIRECTION ON THE HANDRAIL OR TOP RAIL, (NON-CONCURRENT), WHICHEVER PRODUCES THE WORST CASE. INTERMEDIATE RAILS, BALUSTERS AND PANEL FILLERS SHALL BE DESIGNED FOR 50 LB ACTING OVER 12" X 12" AREA. ALL RAILING DESIGNS MUST BE COMPLETED BY THE CONTRACTOR'S ENGINEER AS OUTLINED IN THE CONSTRUCTION SECTION OF THESE GENERAL NOTES WHICH FOLLOWS INCLUDING THE SUBMISSION OF SIGNED AND SEALED DRAWINGS AND CALCULATIONS FOR REVIEW.

C. CONSTRUCTION

1. GENERAL

(NOTE: "RGA" SHALL REFER TO RATHGEBER/GOSS ASSOCIATES, THE STRUCTURAL ENGINEER OF RECORD.)

a. THESE DRAWINGS REPRESENT THE COMPLETED PROJECT WHICH HAS BEEN DESIGNED FOR THE WEIGHTS OF MATERIALS AND FOR THE SUPERIMPOSED LOADS INDICATED ON THE DRAWINGS IN THE DESIGN LOADS SECTION OF THE GENERAL NOTES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF FORMWORK, STAGINGS, BRACING, SHEETING AND SHORING, RESHORING ETC. THIS INCLUDES ANY DESIGN REQUIRED FOR THE CONTRACTOR VEHICLES, FORKLIFTS, MATERIAL STORAGE, MOBILE CRANES, ETC. MEANS AND METHODS OF CONSTRUCTION IS SOLELY THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. ANY DRAWINGS AND/OR CALCULATIONS RELATED TO THE MEANS AND METHODS OF CONSTRUCTION (AS NOTED ABOVE) SHALL BE SUBMITTED TO RGA FOR REVIEW AND SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION AND RETAINED BY THE CONTRACTOR.
b. IN CASE OF CONFLICT BETWEEN THE GENERAL NOTES, DETAILS AND SPECIFICATIONS, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
c. WORK NOT INCLUDED ON THE DRAWINGS BUT IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES ELSEWHERE ON THE DRAWINGS SHALL BE REPEATED.
d. IMPLEMENTING JOB SITE SAFETY AND CONSTRUCTION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
e. DRAWINGS SHALL NOT BE SCALED TO OBTAIN LAYOUT INFORMATION OR DIMENSIONS.
f. ALL DIMENSIONS LOCATING STRUCTURAL ELEMENTS AND SLAB EDGES, ETC., MUST BE VERIFIED WITH THE ARCHITECTURAL DRAWINGS BY THE GENERAL CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCY.
g. ALL ASSEMBLIES AND PRE-ENGINEERED SYSTEMS THAT ARE SUPPORTED BY AND FIT WITHIN THE NEWLY CONSTRUCTED OR EXISTING STRUCTURE, SHALL BE FABRICATED AND INSTALLED ONLY FOLLOWING AN EXTENSIVE FIELD MEASUREMENT SURVEY AND CONSIDERATION OF: LIVE LOAD DEFLECTIONS; DEFLECTIONS DUE TO SPECIFIED SNOW, WIND AND EARTHQUAKE LOADS; AND LONG TERM (CREEP) MOVEMENT OF THE PRIMARY STRUCTURE TO WHICH THEY ARE ATTACHED AND FIT BETWEEN.
h. ALL COSTS OF INVESTIGATION AND/OR REDESIGN, DUE TO THE CONTRACTOR MIS-LOCATION OF STRUCTURAL ELEMENTS OR OTHER LACK OF CONFORMANCE WITH THE PROJECT DOCUMENTS, SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL PROVIDE THEIR OWN ENGINEERING OR CONTRACT DIRECTLY WITH RGA FOR THESE SERVICES. IN THE LATTER CASE, RGA SHALL BE PAID BY THE CONTRACTOR FOR ITS TIME SPENT IN REVIEWING THE CONTRACTOR'S ENGINEER'S WORK IN RESOLVING EACH SUCH ISSUE.
i. CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, LAUNDRY AND FOOD SERVICE DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS, SLEEVES, CONCRETE HOUSEKEEPING PADS, INSERTS, AND DEPRESSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
j. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DETAILED INFORMATION REGARDING FINISHES, FIREPROOFING, WATERPROOFING, ETC.
k. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF MASONRY AND DRYWALL NON-LOADBEARING PARTITIONS. PROVIDE SLIP CONNECTIONS THAT ALLOW VERTICAL MOVEMENT AT THE HEADS OF ALL SUCH PARTITIONS. UNLESS SHOWN ON THE DRAWINGS, THE CONNECTIONS SHALL BE DESIGNED TO SUPPORT THE TOP OF THE WALLS LATERALLY FOR THE CODE REQUIRED LATERAL LOAD. PROVIDE COMPRESSIBLE FIRESAFING AT THE TOP OF WALL AS REQUIRED BY ARCHITECTURAL DRAWINGS.
l. UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS, CONSTRUCTION SEQUENCE OF THE PRIMARY STRUCTURE SHALL BEGIN AT THE LOWEST LEVEL SHOWN AND PROGRESS UPWARD FROM THAT LEVEL.

2. SHOP DRAWINGS

a. UNAUTHORIZED REPRODUCTION OF ANY PORTION OF STRUCTURAL CONTRACT DRAWINGS FOR RESUBMITTAL AS SHOP DRAWINGS IS PROHIBITED. SHOP DRAWINGS PRODUCED IN SUCH A MANNER WILL BE REJECTED AND RETURNED.
b. IF AUTHORIZED BY RGA, USE OF ELECTRONIC FILES FOR PRODUCTION OF THESE PLANS AS SHOP DRAWINGS IS PERMITTED. THE GENERAL CONTRACTOR MUST SIGN AND RETURN RATHGEBER/GOSS ASSOCIATES' STANDARD CADD FILE INDEMNIFICATION LETTER PRIOR TO RECEIVING THE FILES.
c. SHOP DRAWINGS SUBMITTED FOR STRUCTURAL REVIEW WILL BE RETURNED BY RGA IN THE SAME FORMAT AS THEY ARE RECEIVED. ANY REPRODUCTION COST WILL BE AT THE EXPENSE OF THE CONTRACTOR. IF LOCAL JURISDICTION REQUIRES HARD COPIES TO BE SUBMITTED FOR RECORD IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PROVIDE DOCUMENTS.
d. SUBMIT SHOP DRAWINGS TO ALLOW AT LEAST 15 BUSINESS DAYS FOR STRUCTURAL REVIEW BEFORE DATE REVIEWED SUBMITTALS WILL BE NEEDED. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE SUBMITTAL PACKAGE IS COMPLETE AND SUBMITTED WITH AMPLE TIME FOR REVIEW. SHOP DRAWINGS SHALL BEAR THE CONTRACTOR'S STAMP OF APPROVAL WHICH SHALL CONSTITUTE CERTIFICATION THAT THE CONTRACTOR HAS VERIFIED ALL FIELD MEASUREMENTS, CONSTRUCTION CRITERIA, MATERIALS AND SIMILAR DATA AND HAVE CHECKED EACH DRAWING FOR COMPLETENESS, COORDINATION AND COMPLIANCE WITH THE CONTRACT DOCUMENTS. LARGE OR COMPLEX SUBMITTALS MAY REQUIRE TIME IN EXCESS OF THE 15 BUSINESS DAYS FOR THE STRUCTURAL REVIEW INCLUDING THOSE IN EXCESS OF 3 SETS OF DRAWINGS.
e. CONTRACTOR SHALL FURNISH DIMENSIONED SHOP DRAWINGS AT ALL LEVELS LOCATING FLOOR AND ROOF EDGES FOR REVIEW BY THE ARCHITECT AND RGA A MINIMUM OF TWO WEEKS PRIOR TO FRAMING THESE LEVELS.
f. CONTRACTOR SHALL FURNISH DIMENSIONED SHOP DRAWINGS AT ALL LEVELS SHOWING THE LOCATIONS OF ALL SLEEVES AND OPENINGS REQUIRED BY ALL TRADES A MINIMUM OF TWO WEEKS PRIOR TO SUBMITTING SLAB/DECK AND FRAMING SHOP DRAWINGS.

3. ASSEMBLIES/PRE-ENGINEERED SYSTEMS

a. THE CONTRACTOR SHALL SUBMIT, FOR REVIEW, DRAWINGS AND CALCULATIONS BOTH SIGNED AND SEALED BY A STRUCTURAL ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION FOR THE FOLLOWING ASSEMBLIES AS WELL AS ANY OTHER PRE-ENGINEERED SYSTEMS. THIS REVIEW SHALL BE FOR GENERAL CONFORMANCE WITH THE PROJECT PARAMETERS AS INDICATED ON THE DRAWINGS AND IN THE GENERAL NOTES. THE DESIGN OF THESE ASSEMBLIES AND THEIR CONNECITON TO THE PRIMARY BUILDING STRUCTURE IS THE RESPONSIBILITY OF THE ENGINEER WHO HAS SIGNED AND SEALED THESE DRAWINGS AND CALCULATIONS.

   (1) STAIRS, RAILINGS, AND LADDERS OF ANY KIND: DESIGNS SHALL TAKE INTO ACCOUNT ALL VERTICAL AND LATERAL LOADS REQUIRED BY APPLICABLE BUILDING CODES. WHERE HEADERS OR OTHER TYPES OF STRUCTUAL MEMBERS HAVE BEEN DESIGNATED BY THE STRUCTURAL ENGINEER OF RECORD TO SUPPORT THE STAIRS, THE CONNECTIONS FROM THE STAIRS SHALL BE DESIGNED SO THAT NO ECCENTRIC OR TORSIONAL FORCES ARE INDUCED IN THESE STRUCTURAL MEMBERS THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING EMBEDS AND HARDWARE AS REQUIRED BY THE STAIR DESIGN.
   (2) METAL STUD SYSTEMS AND RELATED CONNECTIONS: THE STRUCTURAL DRAWINGS CONVEY THE DESIGN OF THE PRIMARY STRUCTURAL FRAME. STUD WALL INFORMATION IS PRESENTED IN GENERAL TERMS ON THE ARCHITECTURAL DRAWINGS (THICKNESS, HEIGHTS, ETC). DESIGN SHALL TAKE INTO ACCOUNT ALL VERTICAL AND LATERAL LOADS REQUIRED BY APPLICABLE BUILDING CODES AND SHALL BE DESIGNED FOR A MAXIMUM DEFLECTION OF 1/600 OF THE SPAN IN INCHES, OR 3/8", WHICHEVER IS LESS, AT THE APPLICABLE DESIGN WIND LOAD. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL CLEARLY SHOW THE LOAD REACTIONS AS APPLIED TO THE BUILDING STRUCTURE. ALSO, WHERE OPENINGS OCCUR FOR ITEMS SUCH AS PUNCHED WINDOWS AND LOUVERS, THE HEADERS (TOP AND BOTTOM) AND JAMBS (EACH SIDE) SHALL BE COMPRISED OF GANGED STUDS OR STRUCTURAL SHAPES DESIGNED BY THE CONTRACTOR'S ENGINEER.
   (3) INTERIOR PARITION WALLS: FOR WALLS AND PARTITIONS THAT EXCEED 6 FEET IN HEIGHT, DESIGN SHALL TAKE INTO ACCOUNT LOADS TO WHICH THEY ARE SUBJECTED BUT NOT LESS THAN A HORIZONTAL PRESSURE OF 5 PSF. CMU PARTITION WALLS SHALL BE DESIGNED TO MEET A MAXIMUM DEFLECTION OF L/600 OR 0.3 INCHES PER ACI 530, SECTION 1.10.
   (4) CABLE TRAY, PIPE HANGERS, DUCT HANGERS, AND EQUIPMENT HANGERS.

5. EXISTING BUILDING

a. EXISTING BUILDING INFORMATION SHOWN IS BASED ON EXISTING BUILDING DRAWINGS, FIELD OBSERVATIONS, AND /OR ARCHITECTURAL DRAWINGS.
b. THE CONTRACTOR SHALL PROVIDE SURVEY OF ALL EXISTING BUILDING INFORMATION SHOWN (COLUMN CENTERLINES, SLAB EDGES, DIMENSIONS, ELEVATIONS, MEMBER SIZES, ETC.) AND NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES PRIOR TO SHOP DRAWING PRODUCTION AND FABRICATION.
c. CONTRACTOR TO UTILIZE REBAR LOCATING TECHNOLOGY TO LOCATE EXISTING SLAB REINFORCING PRIOR TO PLACING CORE DRILLS. NO EXISTING REINFORCING TO BE CUT WITHOUT RGA PRIOR APPROVAL.
d. CONTRACTOR TO LOCATE ALL EXISTING REINFORCING IN CONCRETE MEMBERS SCHEDULED FOR CORING, DRILLING, CUTTING AND SELECTIVE DEMO. NO EXISTING REINFORCING TO BE CUT WITHOUT RGA PRIOR APPROVAL.
e. MANUFACTURER'S TRAINING OR ACI CERTIFICATION OR PERSONAL IS REQUIRED PRIOR TO INSTALLATION OF ALL POST-INSTALLED ADHESIVE OR MECHANICAL ANCHORS.

6. LIGHTWEIGHT CONCRETE

a. IF THE VAPOR EMISSION RATE OF THE LIGHTWEIGHT STRUCTURAL CONCRETE SLAB IS CRITICAL TO THE CONSTRUCTION SCHEDULE AND FLOOR COVERING, THE CONTRACTOR SHALL TAKE MEASURES TO ENSURE THE CONCRETE MEETS THE REQUIRED VAPOR EMISSION RATES.
b. VARIABLES THAT CAN SIGNIFICANTLY DECREASE THE LENGTH OF TIME REQUIRED TO REACH THE NECESSARY VAPOR EMISSION RATE INCLUDE BUT ARE NOT LIMITED TO: USING WATER REDUCERS IN THE CONCRETE, PROTECTING THE CONCRETE SLAB FROM SNOW AND RAIN, USING MECHANICAL AIR DEHUMIDIFIERS TO INCREASE EVAPORATION RATE, AVOIDING MATERIAL STORAGE DIRECTLY ON SLAB DURING DRYING PERIOD, AND, IF NEEDED, APPLYING A VAPOR RETARDING MEMBRANCE PRODUCT ON THE CURED CONCRETE PRIOR TO PLACING FINISHED FLOORING.

D. STRUCTURAL INSPECTION AND TESTING

1. THE OWNER WILL ENGAGE A TESTING AGENCY TO PROVIDE SERVICES INDICATED IN THE STRUCTURAL GENERAL NOTES AND IN THE CONTRACT SPECIFICATIONS.
2. AT A MINIMUM, THE INSPECTION WILL CONSIST OF VERIFYING CONFORMANCE OF THE CONSTRUCTION WITH THE STRUCTURAL CONTRACT DOCUMENTS.
3. SEE SPECIFIC SECTION OF THESE NOTES, SPECIFICATIONS, AND PRODUCT MANUFACTURER'S GUIDELINES FOR TESTING AND INSPECTION SCOPE FOR CONCRETE, STEEL, MASONRY, LIGHTGAGE, WOOD, POST-INSTALLED ANCHORS, FIBER-REINFORCED POLYMER AND ANY OTHER PROPRIETARY PRODUCTS UTILIZED.
4. THESE INSPECTION SERVICES DO NOT RELIEVE THE GENERAL CONTRACTOR OF RESPONSIBILITY FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.
5. WHERE SPECIAL INSPECTIONS ARE REQUIRED BY THE BUILDING CODE OR LOCAL JURISDICTION, THE OWNER'S TESTING AGENCY SHALL PERFORM THE SPECIAL INSPECTIONS FOR THE SCOPE SHOWN IN THE BUILDING CODE.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE TESTING AGENCY SITE VISITS WITH CONSTRUCTION SCHEDULE SO THAT ALL REQUIRED INSPECTIONS OR TESTS CAN BE PERFORMED.

E. CONCRETE

1. CODES
   a. "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318-14", AMERICAN CONCRETE INSTITUTE.
   b. "SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 301-10".
   c. "MANUAL OF STANDARD PRACTICE", CONCRETE REINFORCING STEEL INSTITUTE.

2. MATERIALS
   a. THE FOLLOWING ASTM STANDARDS AND DESIGN STRESSES SHALL BE USED FOR THE APPROPRIATE MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT.

APPLICATION	f'c @ 28 DAYS	WEIGHT (PCF)	W/C (MAX)*
TOPPING SLAB	3000	145	0.55
L.W. FILL ON METAL DECK	3500	115	N.A.

   *PUMP MIXES: MAXIMUM WATER/CEMENT RATIO MUST BE MAINTAINED. IF ADDITIONAL WORKABILITY IS REQUIRED FOR PUMPED PLACEMENT, THE HIGH OR MID-RANGE WATER REDUCERS SHALL BE USED IN LIEU OF ADDITIONAL WATER. WATER HELD BACK AT THE PLANT SHALL BE NOTED ON THE BATCH TICKET AND RECORDED ON THE INSPECTOR'S REPORT WHEN SAMPLE CYLINDERS ARE MADE.

   b. CEMENT: ASTM C150; TYPE I OR III
      ASTM C150; TYPE II FOR CONCRETE IN CONTACT WITH EARTH
   c. CEMENT SUBSTITUTES: ASTM C595, TYPE IS (LIMIT TO 50% MAX OF CEMENTITIOUS CONTENT BY WEIGHT)
   d. AGGREGATES: ASTM C33 (NORMAL WEIGHT)
      ASTM C330 (STRUCTURAL LIGHTWEIGHT)
   e. REINFORCEMENT:
      DEFORMED REINFORCING BARS ASTM A615, GRADE 60
      WELDED WIRE FABRIC (WWF) ASTM A185
   g. POST-INSTALLED ANCHORING SYSTEMS:
      ADHESIVE ANCHORS HILTI HIT-HY200 WITH HIT-Z RODS OR
      HIT-RE 500-V3 WITH HAS-E RODS OR
      HILTI HIT-HY200 WITH REBAR OR
      HILTI HIT-HY70 WITH HAS-E RODS FOR HOLLOW & GROUTED MASONRY OR ENGINEERED EQUAL
      EXPANSION ANCHORS HILTI KWIK BOLT TZ OR ENGINEERED EQUAL
      (1) ENGINEERED EQUAL ANCHORING SYSTEM TO REQUIRE SIGNED AND SEALED CALCULATIONS, BY CONTRACTOR'S ENGINEER REGISTERED IN PROJECT JURISDICTION, FOR STRENGTH DESIGN WITH CRACKED SECTIONS BASED ON ACI CHAPTER 17.
      (2) MANUFACTURER'S TRAINING OR ACI CERTIFICATION OF PERSONEL IS REQUIRED PRIOR TO INSTALLATION OF ALL POST-INSTALLED ADHESIVE OR MECHANICAL ANCHORS FOR THE SPECIFIED ANCHOR ORIENTATIONS.
      (3) ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. ANCHORS MUST BE INSTALLED IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS UNLESS REVISIONS ARE APPROVED BY RGA.
      (4) CONTRACTOR TO LOCATE ALL EXISTING REINFORCING IN CONCRETE MEMBERS SCHEDULED TO RECEIVE POST-INTSALLED ANCHORS. NO EXISTING REINFORCING MAY BE CUT WITHOUT RGA PRIOR APPROVAL.
      (5) PROVIDE CONTINUOUS INSPECTION OF DRILLING, HOLE CLEANING, ADHESIVE AND ANCHOR INSTALLATION PER MANUFACTURER'S REQUIREMENTS AND IBC CHAPTER 17.
   h. NON-SHRINK GROUT: ASTM C1107. EUCLID DRY PACK GROUT OR APPROVED EQUAL

3. CAST-IN-PLACE
   a. REINFORCING STEEL CLEAR COVER SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
      (1) NON-POST-TENSIONED CONCRETE:
      - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
      - CONCRETE EXPOSED TO EARTH OR WEATHER
        #6 BARS AND LARGER 2"
        #5 BARS AND SMALLER 1-1/2"
      - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND
        SLABS, WALLS AND JOISTS
        #11 BARS AND SMALLER 3/4"
        BEAMS, AND COLUMNS:
        PRIMARY REINFORCEMENT, TIES, STIRRUPS, AND SPIRALS 1-1/2"
   b. NO SPLICES OF REINFORCEMENT SHALL BE PERMITTED EXCEPT AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER. MAKE BARS CONTINUOUS AROUND CORNERS. WHEN PERMITTED, SPLICES SHALL BE MADE BY CONTACT TENSION LAP SPLICES, UNLESS OTHERWISE NOTED.
   c. WELDED WIRE FABRIC REINFORCEMENT SHALL BE SUPPLIED IN SHEETS, EXCEPT FOR SLAB ON GRADE CONSTRUCTION WHERE ROLLS MAY BE USED. LAP TWO FULL MESH LENGTHS AT SPLICES AND WIRE TOGETHER.
   d. NO WELDING OF REINFORCING SHALL BE PERMITTED UNLESS SPECIFICALLY CALLED FOR OR APPROVED BY THE STRUCTURAL ENGINEER.
   e. PROVIDE PLASTIC TIPPED BOLSTERS AND CHAIRS AT ALL LOCATIONS WHERE THE CONCRETE SURFACE IN CONTACT WITH THE BOLSTERS OR CHAIRS IS EXPOSED.
   f. LIGHTWEIGHT CONCRETE SHALL BE BATCHED AND MIXED AS SPECIFIED IN ACI 301 SECTION 7.0. PRESOAK AGGREGATES AS REQUIRED TO COMPLY WITH THIS S PECIFICATION AND TO FACILITATE CONCRETE PUMPING.
   g. CONSTRUCTION JOINTS AND CONTROL JOINTS IN SLABS ON GRADE SHALL BE ARRANGED TO LIMIT MAXIMUM LENGTH BETWEEN JOINTS TO 15'-0" IN ANY DIRECTION.
   h. NO SLEEVES SHALL BE PLACED THROUGH ANY CONCRETE ELEMENT UNLESS SHOWN ON THE STRUCTURAL DRAWINGS, APPROVED SLEEVING SHOP DRAWINGS OR SPECIFICALLY AUTHORIZED IN WRITING BY RGA.
   i. ALL INSERTS AND SLEEVES SHALL BE CAST-IN-PLACE WHENEVER FEASIBLE. DRILLED OR POWDER ACTUATED FASTENERS WILL BE PERMITTED ONLY WHEN PROVEN TO THE SATISFACTION OF THE STRUCTURAL ENGINEER THAT THE FASTENERS WILL NOT SPALL THE CONCRETE NOR DAMAGE ANY STRUCTURAL ELEMENT AND HAVE THE SAME CAPACITY AS CAST-IN-PLACE INSERTS.
   j. CORE DRILLING OF FOUNDATIONS, BEAMS, JOISTS, SLABS, COLUMNS OR ANY POST-TENSIONED MEMBERS SHALL NOT BE PERMITTED UNLESS AUTHORIZED IN WRITING BY RGA. CONTRACTOR TO LOCATE ALL EXISTING REINFORCING IN CONCRETE MEMBERS SCHEDULED FOR DRILLING.
   k. WHERE REQUIRED ON ARCHITECTURAL DRAWINGS, PROVIDE CONTINUOUS WATERSTOP AT ALL HORIZONTAL AND VERTICAL CONSTRUCTION JOINTS IN ALL ELEVATOR PITS AND OTHER PIT WALLS.
   l. THE CONCRETE SLABS SHALL BE FINISHED, WITHIN A.C.I. TOLERANCE, TO THE ELEVATIONS INDICATED ON THE DRAWINGS AND FOR THE FLATNESS REQUIREMENTS SHOWN IN THE DRAWINGS OR SPECIFICATIONS. CONTRACTOR SHALL PROVIDE, AT THEIR COST, ADDITIONAL CONCRETE AS REQUIRED DUE TO FORMWORK AND FRAMING DEFLECTION TO ACHIEVE THE FINISHED TOP OF SLAB ELEVATION.

7. INSPECTION AND TESTING
   a. THE OWNER WILL ENGAGE A TESTING AGENCY TO PROVIDE SERVICES AS INDICATED BELOW AND SUBMIT REPORTS.
   b. CAST-IN-PLACE CONCRETE:
      (1) THE AGENCY SHALL INSPECT THE FORM WORK AND REINFORCING STEEL PLACEMENT FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS AND SHOP DRAWINGS. THE AGENCY SHALL MONITOR ALL STRUCTURAL CONCRETE PLACEMENT FOR CONFORMANCE WITH APPLICABLE ACI REQUIREMENTS.
      (2) SAMPLE FRESH CONCRETE IN ACCORDANCE WITH ASTM C172. MOLD TEST CYLINDERS IN ACCORDANCE WITH ASTM C31.
      (3) THE FOLLOWING NUMBER OF 4" DIAMETER X 8" LONG TEST CYLINDERS SHALL BE CAST FOR EACH DAY'S POUR OR EACH 100 CUBIC YARDS, WHICHEVER RESULTS IN MORE TEST CYLINDERS.

      FOR STRUCTURAL CONCRETE:
      3 @ 7 DAYS, LAB CURED
      3 @ 28 DAYS, LAB CURED
      3 @ 56 DAYS, LAB CURED

      (4) THE AGENCY WILL MAKE ADDITIONAL TESTS OF IN-PLACE CONCRETE AT THE CONTRACTOR'S EXPENSE WHEN THE TEST RESULTS INDICATE SPECIFIED CONCRETE STRENGTHS HAVE NOT BEEN ATTAINED, AS DIRECTED BY THE STRUCTURAL ENGINEER.

F. STRUCTURAL STEEL

1. CODES
   a. "STEEL CONSTRUCTION MANUAL", 14TH EDITION, AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
   b. "DETAILING FOR STEEL CONSTRUCTION", AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
   c. "STRUCTURAL WELDING CODE ANSI/AWS D1.1", AMERICAN WELDING SOCIETY.

2. MATERIALS
   a. ROLLED SHAPES ASTM A992, GRADE 50
   b. CHANNELS, ANGLES AND PLATES ASTM A36
   c. STRUCTURAL TUBING (SQUARE AND RECTANGULAR HSS) ASTM A500, GRADE C, Fy = 50 ksi
   d. HIGH STRENGTH BOLTS ASTM A325-N (UNLESS NOTED ON DRAWINGS)
   e. ANCHOR RODS ASTM F1554 GRADE 36 OR GRADE 55 W/ WELDABILITY SUPPLEMENT "S1" (UNLESS NOTED ON DRAWINGS)
   f. SMOOTH & THREADED ROD ASTM A36
   g. WELDING ELECTRODES AWS A5.1 OR A5.5, E70XX
   h. NUTS: ASTM A563
   i. WASHERS: ASTM F436
   j. NON-SHRINK GROUT: ASTM C1107 EUCLID DRY PACK GROUT OR APPROVED EQUAL
   k. STRUT CHANNEL & ACCESSORIES UNISTRUT METAL FRAMING SYSTEM OR APPROVED EQUAL

3. GENERAL
   a. ALL SHOP AND FIELD CONNECTIONS SHALL BE MADE WITH HIGH STRENGTH BOLTS OR WELDS. ALL HIGH STRENGTH BOLT AND NUTS SHALL BE CLEARLY MARKED AS REQUIRED BY AISC SPECIFICATIONS. CONNECTIONS MADE WITH UNMARKED BOLTS AND NUTS WILL BE REJECTED.
   b. PROVIDE ACCESS FOR INSPECTION OF ALL SHOP AND FIELD CONNECTIONS FOR PROPER MATERIALS AND WORKMANSHIP.
   c. ALTERNATIVE CONNECTION DESIGNS SHALL ONLY BE ALLOWED WITH PRIOR APPROVAL OF RGA. IF SUCH APPROVAL IS GRANTED ALL CONNECTIONS, SPLICES AND ERECTION PIECES NOT IN ACCORDANCE WITH CONTRACT DRAWINGS (FABRICATOR REDESIGN) SHALL BE DESIGNED BY THE FABRICATOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION. CALCULATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED BEARING THE ENGINEER'S SEAL AND SIGNATURE. CALCULATIONS FOR DETAILS SHALL SHOW A RATIONAL ANALYSIS OF A COMPLETE LOAD PATH, INCLUDING LOCAL EFFECTS ON WEBS, FLANGES, ETC. OF THE CONNECTED MEMBERS AND THE DEVICES (PLATES, SEATS, BRACKETS, BOLTS, WEBS, ETC.) AFFECTING ALL CONNECTIONS.
   d. CONNECTIONS SHALL BE SELECTED FOR REACTIONS AS SHOWN ON PLANS AND AS DETAILED AND SCHEDULED. NO CONNECTION SHALL CONSIST OF LESS THAN (2) 3/4" DIAMETER A325-N BOLTS OR WELDS DEVELOPING LESS THAN 14,000 POUNDS (UNFACTORED) OR 21,000 POUNDS (FACTORED). MINIMUM WELD 3/16" FILLET.
   e. UNLESS OTHERWISE NOTED, ALL A325 BOLTS SHALL BE TIGHTENED TO THE "SNUG TIGHT" CONDITION DEFINED AS THE TIGHTNESS ATTAINED BY A FEW IMPACTS OR AN IMPACT WRENCH OR THE FULL EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH. THE SNUG TIGHT CONDITION MUST ENSURE THAT THE PLIES OF THE CONNECTED MATERIAL HAVE BEEN BROUGHT INTO SNUG CONTACT.
   f. PERMANENT FRAMING AND FINAL CONNECTION DETAILS ARE SHOWN ON THE DRAWINGS. THE FABRICATOR AND ERECTOR ARE RESPONSIBLE FOR THE DESIGN OF TEMPORARY BRACING AND RECOMMENDED ERECTION PROCEDURES.
   g. THE GENERAL CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER OF ANY FABRICATION OR ERECTION ERRORS OR DEVIATIONS AND RECEIVE WRITTEN APPROVAL BEFORE ANY FIELD CORRECTIONS ARE MADE. SEE ADDITIONAL INFORMATION REGARDING THE COST OF SUCH DEVIATIONS IN THE "CONSTRUCTION" SECTION OF THESE NOTES.
   h. WELDING ELECTRODES, WELDING PROCESS, MINIMUM PREHEAT AND INTERPASS TEMPERATURES SHALL BE IN ACCORDANCE WITH THE AISC AND AWS SPECIFICATIONS. ANY STRUCTURAL STEEL DAMAGED IN WELDING IS TO BE REPLACED OR ACCEPTABLY REINFORCED AS ACCEPTABLE TO THE STRUCTURAL ENGINEER.
   i. WELDERS SHALL HAVE CURRENT EVIDENCE OF PASSING THE APPROPRIATE AWS QUALIFICATION TESTS. THE ENGINEER MAY REQUEST SUCH EVIDENCE AT ANY TIME DURING THE PROJECT.
   j. GAS CUTTING TORCHES SHALL NOT BE USED TO CORRECT FABRICATION ERRORS WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.

4. INSPECTION AND TESTING
   a. THE OWNER WILL ENGAGE A TESTING AGENCY TO PROVIDE SERVICES AS INDICATED BELOW AND SUBMIT REPORTS.
   b. STRUCTURAL STEEL
      (1) VISUALLY INSPECT ALL FILLET WELDS, BOLTED CONNECTIONS AND SHEAR STUDS. VERIFY STRUCTURAL FRAME IS CONSTRUCTED IN COMPLIANCE WITH THE CONTRACT DOCUMENTS AND SHOP DRAWINGS.
      (2) EACH FULL PENETRATION BUTT OR GROOVE WELD AND FIFTY PERCENT OF PARTIAL PENETRATION WELDS SHALL BE TESTED BY THE ULTRASONIC METHOD.
      (3) 10% OF ALL FIELD FILLET WELDS IN PRIMARY CONNECTIONS AND MULTI-PASS WELDS SHALL BE TESTED BY THE MAGNETIC PARTICLE METHOD.
      (4) TEST ANY WELD WHICH VISUAL EXAMINATION INDICATES AN UNUSUAL CONDITION AND/OR POOR QUALITY.
      (5) WELDING INSPECTION AND TESTING PROCEDURES SHALL BE IN ACCORDANCE WITH THE AWS CODE.
      (6) THE AGENCY SHALL MONITOR THE INSTALLATION OF BOLTS REQUIRING PRE-TENSIONING FOR CONFORMANCE WITH SPECIFIC PRE-CALIBRATED TIGHTENING PROCEDURES.

G. STEEL DECK

1. CODES
   a. "DESIGN MANUALS FOR FLOOR DECKS AND ROOF DECKS" AND "CODE OF STANDARD PRACTICE," STEEL DECK INSTITUTE.

2. MATERIALS
   a. GALVANIZED METAL DECK ASTM A653, WITH COATING DESIGNATION G60
   b. GALVANIZED REPAIR PAINT ASTM A780

3. GENERAL
   a. DECK PROPERTIES ARE BASED ON PRODUCTS MANUFACTURED BY NEW MILLENIUM BUILDING SYSTEMS. DECKS BY OTHER MANUFACTURERS MAY BE SUPPLIED PROVIDED SECTION PROPERTIES ARE WITHIN 5% OF THOSE SPECIFIED AND IF APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
   b. PROVIDE STEEL DECK WITH MINIMUM YIELD STRENGTH OF Fy=40 ksi AND THE FOLLOWING MINIMUM SECTION PROPERTIES:

      2" DEEP 18 GAGE COMPOSITE FLOOR DECK: Ip = 0.554 in^4, Sp = 0.505 in^3, Sn = 0.511 in^3
      9/16" DEEP 26 GAGE FORM DECK: Ip = 0.013 in^4, Sp = 0.042 in^3, Sn = 0.044 in^3

   c. INSTALL IN ACCORDANCE WITH SDI SUGGESTED SPECIFICATIONS UNLESS NOTED OTHERWISE ON THE DRAWINGS. INDIVIDUAL SHEETS SHALL EXTEND OVER AT LEAST THREE SPANS, WITH LAPS TO BE PLACED OVER SUPPORTS.
   d. EXCEPT WHERE NOTED ON PLANS, DECK SUPPLIER SHALL PROVIDE ALL ADDITIONAL FRAMING TO SUPPORT DECK AT OPENINGS THROUGH DECK AND ALL CLOSURE ANGLES AND PLATES WHERE REQUIRED TO RESULT IN A COMPLETE INSTALLATION.
   e. USE WELDING WASHERS FOR DECK MATERIAL 0.028" THICK OR LESS, AND WHERE RECOMMENDED BY THE DECK MANUFACTURER.
   f. COMPOSITE DECKS SHALL BE WELDED TO ALL SUPPORTS INCLUDING THE EDGE SUPPORT PARALLEL TO THE DECK SPAN WITH 5/8" DIAMETER (EFFECTIVE FUSION DIAMETER) PLUG WELDS OR HEADED STUD WELDS AT 12" O.C. FASTEN SIDE LAPS WITH 1-1/2" SEAM WELDS OR #10 SELF-TAPPING SCREWS AT 30" O.C. HEADED STUDS SHALL BE FIELD INSTALLED BY WELDING THROUGH THE METAL DECK. REMOVE FERRULES FROM THE DECK BEFORE CONCRETE IS PLACED.
   g. FORM DECK SHALL BE WELDED TO STEEL SUPPORTS INCLUDING THE EDGE SUPPORT PARALLEL TO THE DECK SPAN WITH 5/8" DIAMETER (EFFECTIVE FUSION DIAMETER) PLUG WELDS, 30/4 PATTERN. FASTEN SIDE LAPS WITH 1 1/2" SEAM WELDS OR #10 SELF-TAPPING SCREWS AT 18"oc MAXIMUM SPACING
   h. REPAIR DAMAGED GALVANIZED COATINGS ON BOTH SURFACES OF DECK WITH GALVANIZED REPAIR PAINT FOLLOWING MANUFACTURER'S WRITTEN INSTRUCTIONS.
   i. SEE STRUCTURAL STEEL NOTES AND/ OR SPECIFICATIONS FOR INSPECTION AND TESTING.

H. STRUCTURAL LIGHTGAGE/LIGHTWEIGHT STEEL FRAMING

1. CODES
   a. "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS," AMERICAN IRON AND STEEL INSTITUTE.

2. MATERIALS
   a. LIGHTGAGE / LIGHTWEIGHT STEEL FRAMING ASTM A955 (GALVANIZED IN ACCORDANCE WITH ASTM A1003)

3. GENERAL
   a. DESIGN OF ALL LIGHTGAGE/ LIGHTWEIGHT STEEL FRAMING IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL BE BY THE FABRICATOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION. CALCULATIONS AND SHOP DRAWINGS CONSISTING OF FRAMING PLANS, AND DETAILS, SHALL BE SUBMITTED BEARING THEIR ENGINEER'S SEAL AND SIGNATURE.
   b. MEMBER DESIGNATIONS AND PROPERTIES ARE BASED ON THE STEEL STUD MANNUFACTURERS ASSOCIATION (SSMA) OR STEEL FRAMING INDUSTRY ASSOCIATION (SFIA) DATA.
   c. CONTENTS OF THESE STRUCTURAL DOCUMENTS SHOW THE INTENDED APPLICATION OF COLD FORMED FRAMING COMPONENTS.
   d. ALL DIMENSIONS SHOWN ON THE STRUCTURAL DOCUMENTS SHALL BE VERIFIED WITH THE ARCHITECTURAL AND MECHANICAL DOCUMENTS PRIOR TO CONSTRUCTION.
   e. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS OR AS REQUIRED FOR AN ANGULAR FIT AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD POSITIVELY IN PLACE UNTIL PROPERLY FASTENED.
   f. ALL FIELD CUTTING OF STUDS MUST BE DONE BY SAWING OR SHEARING. TORCH CUTTING OF COLD-FORMED MEMBERS IS NOT PERMITTED.
   g. SPLICES IN STUDS, JOISTS, OR OTHER LOAD CARRYING MEMBERS ARE NOT PERMITTED.
   h. ALL STRUCTURAL LIGHTGAGE/LIGHTWEIGHT STEEL FRAMING (EXCLUDING STUDS) SHALL BE UNPUNCHED UNLESS SPECIFICALLY NOTED OTHERWISE.
   i. FOR AXIAL LOAD BEARING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ADEQUATE BRACING IS IN PLACE UNTIL SHEATHING IS PROPERLY ATTACHED TO BOTH STUD FLANGES. ALSO, CONTRACTOR SHALL TAKE CARE SO AS NOT TO OVERLOAD BEARING MEMBERS DURING CONSTRUCTION.
   j. ALL CONNECTIONS SHALL BE FASTENED AS INDICATED ON THESE DRAWINGS.
      (1) SCREWS: #10 SELF DRILLING SCREWS (UNLESS NOTED OTHERWISE) MANUFACTURED BY GRABBER, HILTI, COMPASS, SIMPSON STRONG-TIE, OR APPROVED EQUAL AND INSTALLED PER THE FASTENER MANUFACTURER'S SPECIFICATIONS. MINIMUM 1/2" LENGTH FOR COLD-FORMED TO COLD-FORMED CONNECTIONS. SCREWS SHALL COMPLY WITH ASTM C1513. MINIMUM 1-1/2" LENGTH FOR COLD-FORMED TO TIMBER CONNECTIONS. SCREWS SHALL BE SPACED A MINIMUM OF 1/2" BETWEEN ADJACENT SCREWS AND FROM METAL EDGES.
      (2) POWDER ACTUATED FASTENERS (P.A.F.): 0.145" MINIMUM SHANK DIAMETER P.A.F. (UNLESS NOTED OTHERWISE) MANUFACTURED BY RAMSET, HILTI, POWERS, SIMPSON STRONG-TIE, OR APPROVED EQUAL AND INSTALLED PER THE FASTENER MANUFACTURER'S SPECIFICATIONS.
         (a) PROVIDE MINIMUM 3/4" LONG P.A.F. FOR COLD-FORMED CONNECTIONS TO CONCRETE. P.A.F. IN CONCRETE SHALL BE SPACED A MINIMMUM OF 3" BETWEEN ADJACENT P.A.F. AND A MINIMUM OF 2" FROM CONCRETE EDGES. MINIMUM P.A.F. EMBEDMENT IN CONCRETE SHALL BE 5/8".
         (b) PROVIDE MINIMUM 1/2" LONG P.A.F. WITH KNURLED SHANKS FOR COLD-FORMED CONNECTIONS TO STRUCTURAL STEEL. P.A.F. SHALL BE SPACED A MINIMUM 1-1/2" BETWEEN ADJACENT P.A.F. IN STRUCTURAL STEEL AND A MINIMUM 1/2" FROM STEEL EDGES. THE P.A.F. SHALL BE DRIVEN IN TO THE STRUCTURAL STEEL MEMBER PER MANUFACTURER SPECIFICATIONS.
   k. ALTERNATE CONNECTION DESIGNS SHALL ONLY BE ALLOWED WITH PRIOR APPROVAL OF RGA. IF SUCH APPROVAL IS GRANTED, ALL CONNECTIONS AND/OR DETAILS NOT IN ACCORDANCE WITH CONTRACT DOCUMENTS SHALL BE PREPARED BY THE CONTRACTOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION. CALCULATIONS AND SHOP DRAWINGS SHALL BE SUBMITTED BEARING THEIR ENGINEER'S SEAL AND SIGNATURE.

4. INSPECTION AND TESTING
   a. THE OWNER WILL ENGAGE A TESTING AGENCY TO PROVIDE SERVICES AS INDICATED BELOW AND SUBMIT REPORTS.
   b. PERIODIC OBERSVATIONS FOR CONFORMANCE WITH SPECIALTY ENGINEER'S SHOP DRAWINGS AND PER IBC SECTION 1707.4.

I. STRUT CHANNEL AND ACCESSORIES

1. STRUT CHANNEL CONTRACTOR TO RETAIN A REGISTERED PROFESSIONAL ENGINEER, LICENSED IN THE PROJECT'S JURISDICTION WHO SHALL DESIGN ALL OF THE STRUT CHANNEL AND THEIR CONNECTIONS TO MEET THE REQUIREMENTS OF THE INTENT SHOWN ON THESE DRAWINGS. SHOP DRAWINGS AND CALCULATIONS FOR THE DESIGN OF THE COMPLETE SYSTEM SHALL BE SIGNED AND SEALED BY THE SPECIALTY ENGINEER AND SUBMITTED FOR REVIEW.
2. STRUT CHANNEL SIZES ARE SHOWN FOR PRICING ONLY. STRUT CHANNEL ENGINEER TO VERIFY SIZES AND LAYOUT SHOWN TO MEET THE DESIGN REQUIREMENTS OF THE SUPPORTED EQUIPMENT.
3. CONTRACTOR TO COORDINATE THE STRUT CHANNEL SYSTEM WITH THE SPECIFIC TOLERANCES OF THE SUPPORTED EQUIPMENT TO ALLOW ITS PROPER FUNCTION.
4. SIZES SHOWN ARE BASED ON THE UNISTRUT SYSTEM. THE CONTRACTOR MAY SUBMIT AN ALTERNATE SYSTEM FOR REVIEW. THE SYSTEM MUST BE ENGINEERED BY THE CONTRACTOR'S PROFESSIONAL ENGINEER LICENSED IN THE PROJECT'S JURISDICTION.

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PROJECT NO. 21008.08

Construction Documents for:
ARLINGTON COUNTY OFFICES RENOVATION
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
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Revisions

GENERAL NOTES

Scale **1/8" = 1'-0"**
Drawn KSW
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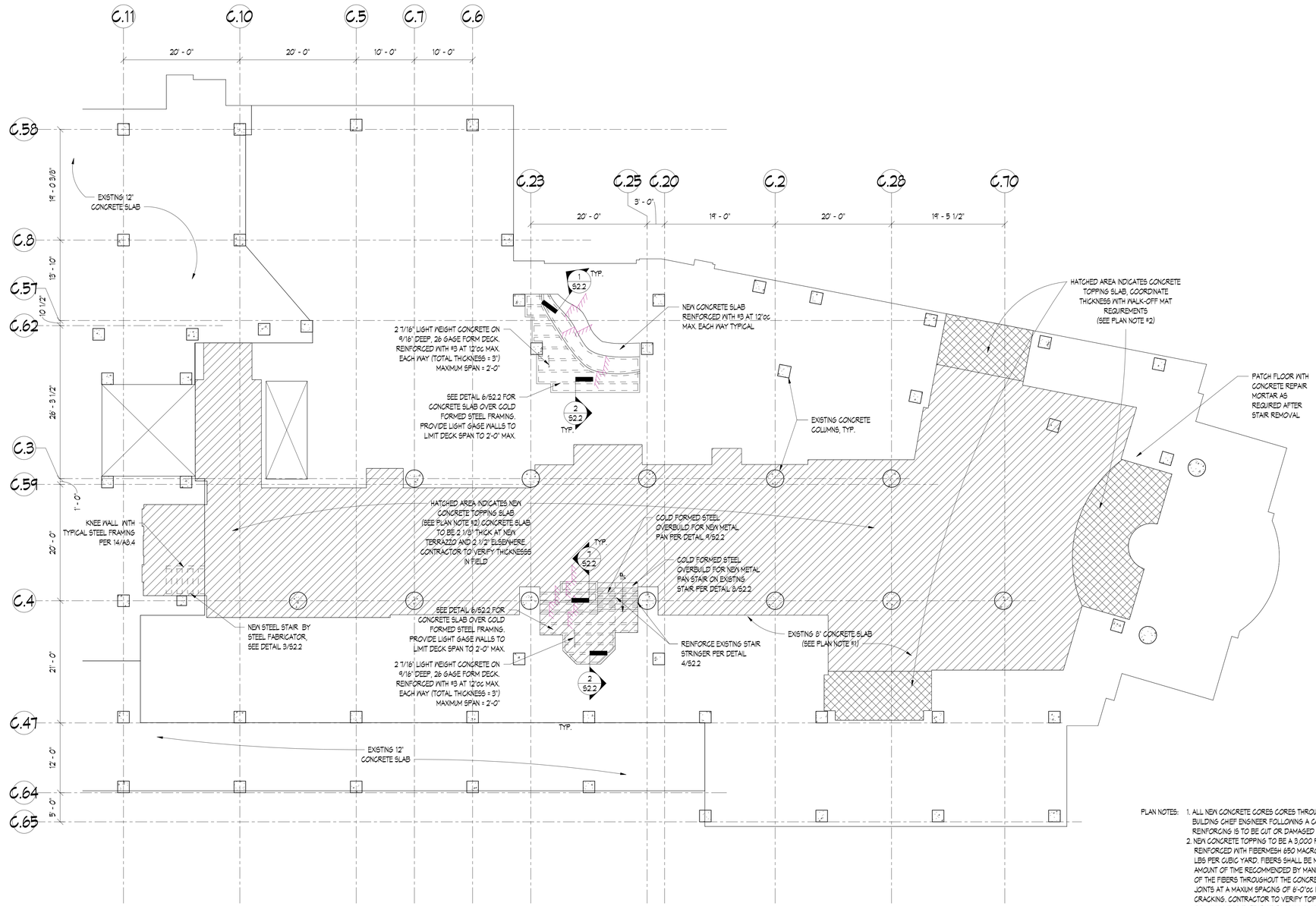

PLAN NOTES:

1. ALL NEW CONCRETE CORES CORES THROUGH THE EXISTING SLAB MUST BE APPROVED BY BUILDING CHIEF ENGINEER FOLLOWING A COUNTY CONTRACTED GPR SCAN. NO EXISTING REINFORCING IS TO BE CUT OR DAMAGED BY NEW CONCRETE CORES.
2. NEW CONCRETE TOPPING TO BE A 3,000 PSI, NORMAL WEIGHT, PEA GRAVEL MIX REINFORCED WITH FIBERMESH 650 MACRO-SYNTHETIC FIBERS AT A DOSAGE RATE OF 3 LBS PER CUBIC YARD. FIBERS SHALL BE MIXED AT BATCH PLANT FOR THE SUFFICIENT AMOUNT OF TIME RECOMMENDED BY MANUFACTURER TO ENSURE UNIFORM DISTRIBUTION OF THE FIBERS THROUGHOUT THE CONCRETE MIX. CONTRACTOR TO CUT CONTROAL JOINTS AT A MAXIUM SPACING OF 8'-0"OC IN EACH DIRECTION TO MINIMIZE SHRINKAGE CRACKING. CONTRACTOR TO VERIFY TOPPING THICKNESS IN FIELD. SEE ARCHITECTURAL DRAWINGS FOR EXTENT OF TOPPING SLAB FOR NEW TERRAZZO.

1 LEVEL 1 PARTIAL PLAN
SCALE: 1/8" = 1'-0"

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LEVEL 1 PARTIAL PLAN

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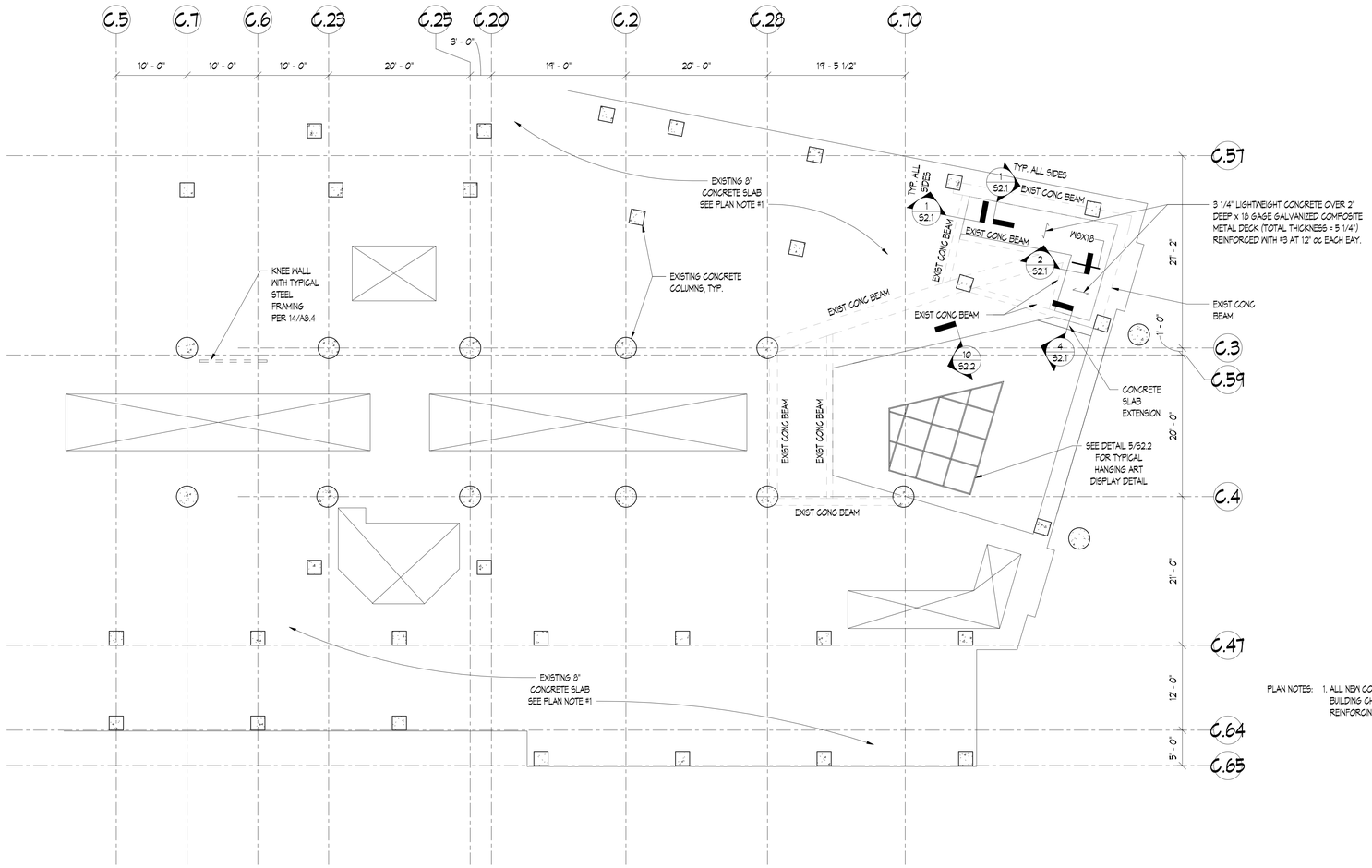

PLAN NOTES: 1. ALL NEW CONCRETE CORES CORES THROUGH THE EXISTING SLAB MUST BE APPROVED BY BUILDING CHIEF ENGINEER FOLLOWING A COUNTY CONTRACTED GPR SCAN. NO EXISTING REINFORCING IS TO BE CUT OR DAMAGED BY NEW CONCRETE CORES.

1 LEVEL 2 PARTIAL PLAN
SCALE: 1/8" = 1'-0"

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LEVEL 2 PARTIAL PLAN

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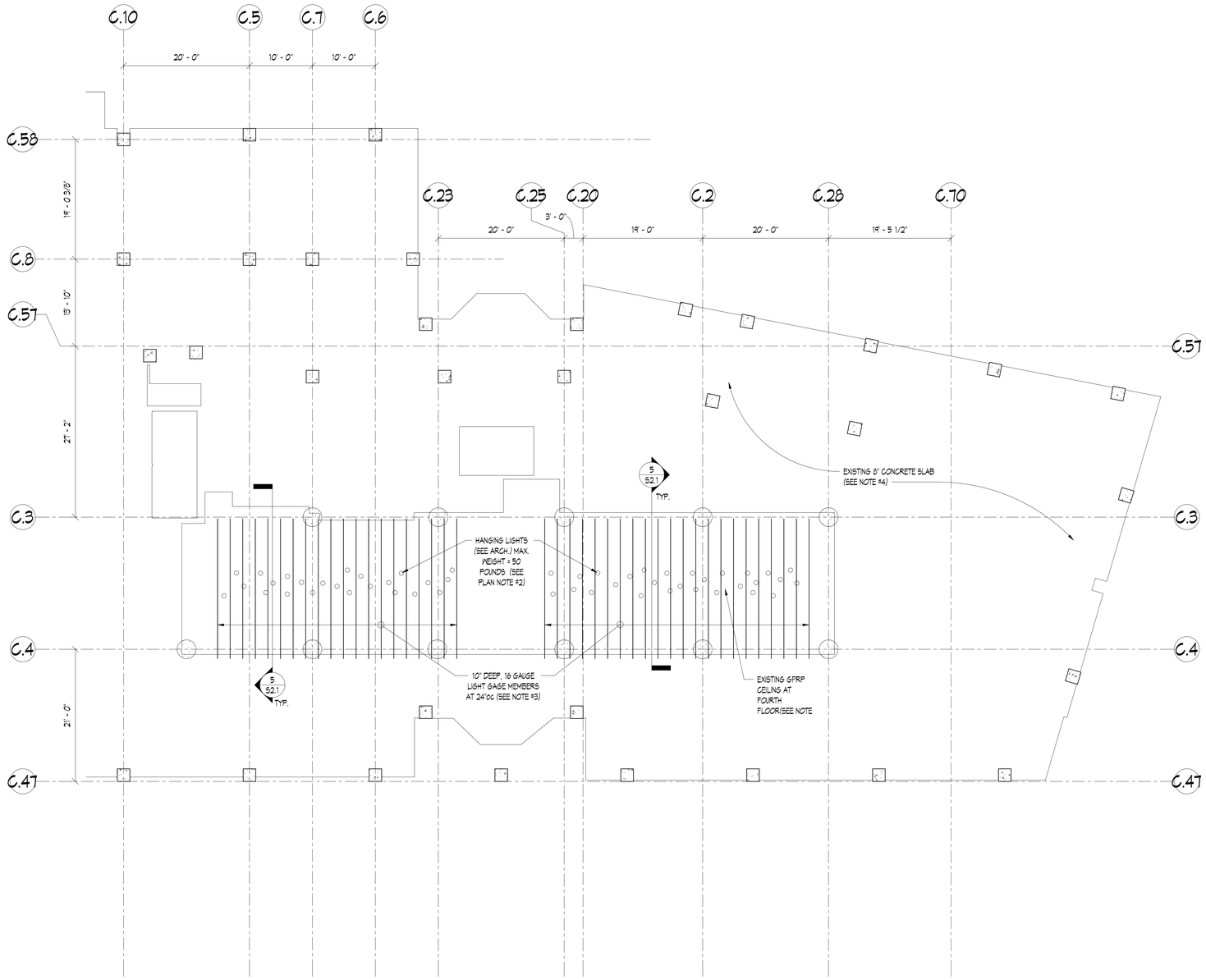

NOTES:
1. CONTRACTOR TO ENGAGE GFRP SPECIALTY CONTRACTOR TO SURVEY AND EVALUATE THE EXISTING GFRP SOFFIT AND SUPPORT FOR NEW PENETRATIONS FOR LIGHTS. SPECIALTY CONTRACTOR TO PROVIDE SIGNED AND SEALED REPORT WITH ADDITIONAL REINFORCING OR SUPPORTS AS REQUIRED FOR NEW PENETRATIONS.
2. CONTRACTOR TO COORDINATE WEIGHT OF LIGHTS PURCHASED WITH LIGHT GAGE MANUFACTURER. LIGHT GAGE MEMBERS TO BE DESIGNED TO SUPPORT 50 POUNDS PER LIGHT.
3. LIGHTGAGE MANUFACTURER TO DESIGN LIGHT GAGE FRAMING PER THE STRUCTURAL GENERAL NOTES SECTION C.3.a.3. THE LIGHTGAGE JOISTS SHALL BE DESIGNED FOR THE FOLLOWING:
   DEAD LOAD 5 PSF
   LIVE LOAD 25 PSF
4. ALL NEW CONCRETE CORES CORES THROUGH THE EXISTING SLAB MUST BE APPROVED BY BUILDING CHIEF ENGINEER FOLLOWING A COUNTY CONTRACTED GPR SCAN. NO EXISTING REINFORCING IS TO BE CUT OR DAMAGED BY NEW CONCRETE CORES.

1 LEVEL 4 PARTIAL PLAN
SCALE: 1/8" = 1'-0"

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LEVEL 4 PARTIAL PLAN

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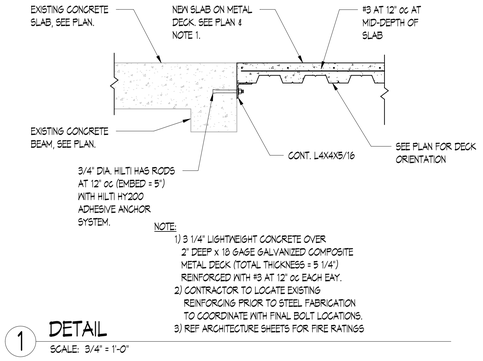
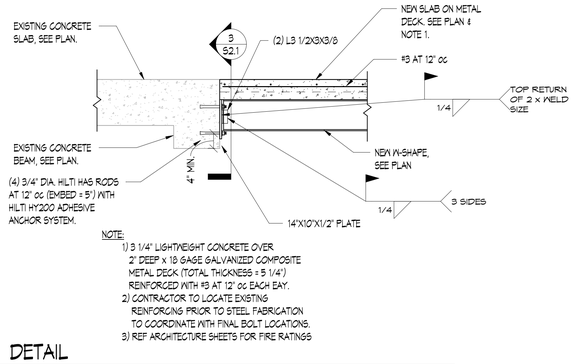


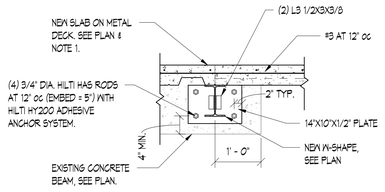
NOTE:
1) 3 1/4" LIGHTWEIGHT CONCRETE OVER 2" DEEP x 18 GAGE GALVANIZED COMPOSITE METAL DECK (TOTAL THICKNESS = 5 1/4") REINFORCED WITH #3 AT 12" oc EACH EAY.
2) CONTRACTOR TO LOCATE EXISTING REINFORCING PRIOR TO STEEL FABRICATION TO COORDINATE WITH FINAL BOLT LOCATIONS.
3) REF ARCHITECTURE SHEETS FOR FIRE RATINGS

1 DETAIL
SCALE: 3/4" = 1'-0"



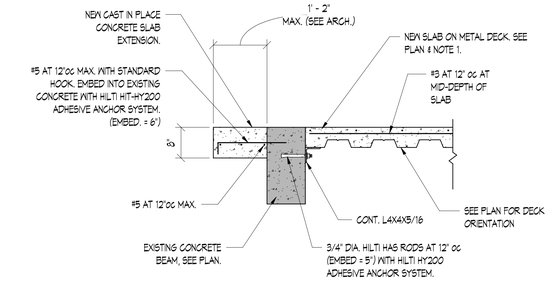
NOTE:
1) 3 1/4" LIGHTWEIGHT CONCRETE OVER 2" DEEP x 18 GAGE GALVANIZED COMPOSITE METAL DECK (TOTAL THICKNESS = 5 1/4") REINFORCED WITH #3 AT 12" oc EACH EAY.
2) CONTRACTOR TO LOCATE EXISTING REINFORCING PRIOR TO STEEL FABRICATION TO COORDINATE WITH FINAL BOLT LOCATIONS.
3) REF ARCHITECTURE SHEETS FOR FIRE RATINGS

2 DETAIL
SCALE: 3/4" = 1'-0"



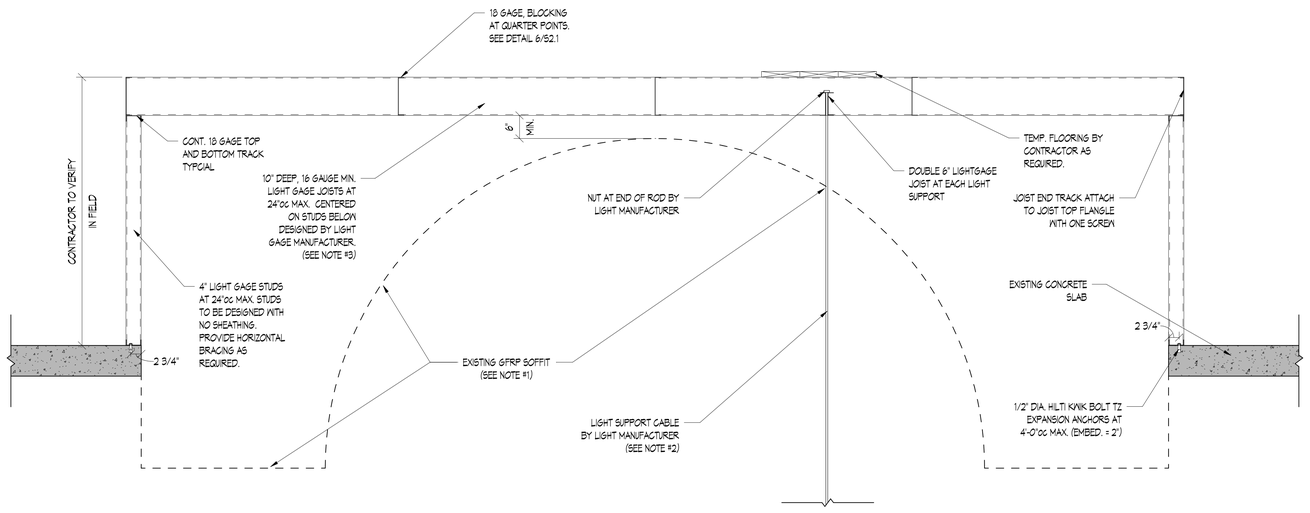
NOTE:
1) 3 1/4" LIGHTWEIGHT CONCRETE OVER 2" DEEP x 18 GAGE GALVANIZED COMPOSITE METAL DECK (TOTAL THICKNESS = 5 1/4") REINFORCED WITH #3 AT 12" oc EACH EAY.
2) CONTRACTOR TO LOCATE EXISTING REINFORCING PRIOR TO PLATE FABRICATION TO COORDINATE WITH FINAL BOLT LOCATIONS.
3) REF ARCHITECTURE SHEETS FOR FIRE RATINGS

3 DETAIL
SCALE: 3/4" = 1'-0"



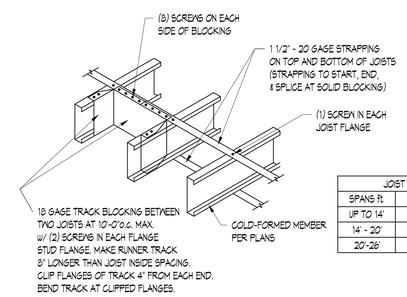
NOTE:
1) 3 1/4" LIGHTWEIGHT CONCRETE OVER 2" DEEP x 18 GAGE GALVANIZED COMPOSITE METAL DECK (TOTAL THICKNESS = 5 1/4") REINFORCED WITH #3 AT 12" oc EACH EAY.
2) CONTRACTOR TO LOCATE EXISTING REINFORCING PRIOR TO STEEL FABRICATION TO COORDINATE WITH FINAL BOLT LOCATIONS.
3) REF ARCHITECTURE SHEETS FOR FIRE RATINGS

4 TYPICAL DETAIL
SCALE: 3/4" = 1'-0"



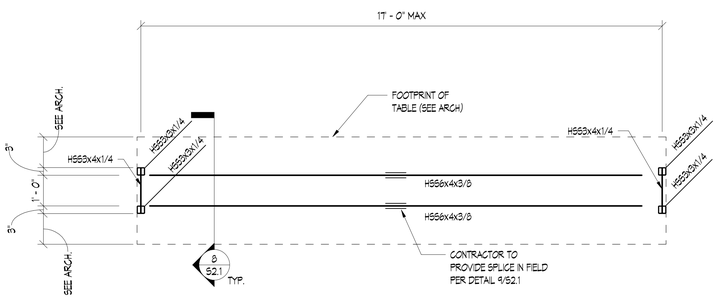
NOTES:
1. CONTRACTOR TO ENGAGE GFRP SPECIALTY CONTRACTOR TO SURVEY AND EVALUATE THE EXISTING GFRP SOFFIT AND SUPPORT FOR NEW PENETRATIONS FOR LIGHTS. SPECIALTY CONTRACTOR TO PROVIDE SIGNED AND SEALED REPORT WITH ADDITIONAL REINFORCING OR SUPPORTS AS REQUIRED FOR NEW PENETRATIONS.
2. CONTRACTOR TO COORDINATE WEIGHT OF LIGHTS PURCHASED WITH LIGHT GAGE MANUFACTURER. LIGHT GAGE MEMBERS TO BE DESIGNED TO SUPPORT 50 POUNDS PER LIGHT.
3. LIGHTGAGE MANUFACTURER TO DESIGN LIGHT GAGE FRAMING PER THE STRUCTURAL GENERAL NOTES SECTION C.3.a.2.
THE LIGHTGAGE JOISTS SHALL BE DESIGNED FOR THE FOLLOWING:
DEAD LOAD 5 PSF
LIVE LOAD 25 PSF

5 TYPICAL LIGHT SUPPORT
SCALE: 3/4" = 1'-0"

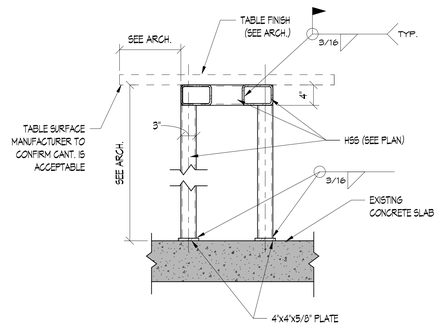


JOIST BRIDGING REQUIRED	
SPANS ft	ROWS REQUIRED
UP TO 14'	1 ROW AT MID SPAN
14' - 20'	2 ROWS AT THIRD POINTS
20'-26'	3 ROWS AT QUARTER POINTS

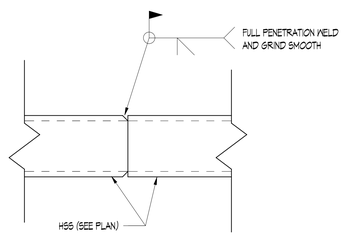
6 TYPICAL JOIST BRIDGING
SCALE: 3/4" = 1'-0"



7 STEEL FRAMED TABLE
SCALE: 1/2" = 1'-0"



8 TYPICAL DETAIL
SCALE: 1" = 1'-0"



9 TYPICAL TUBE SPLICE
SCALE: 3" = 1'-0"

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TYPICAL DETAILS

Scale	**As indicated**
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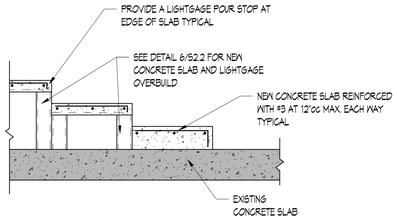
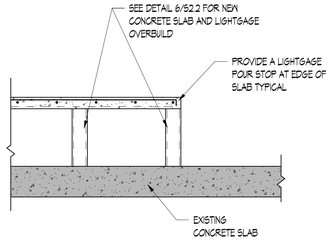
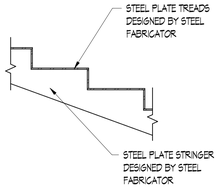


1 TYPICAL DETAIL
SCALE: 3/4" = 1'-0"

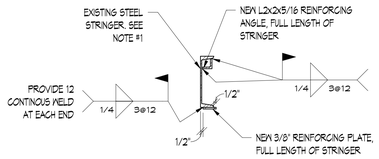


2 TYPICAL DETAIL
SCALE: 3/4" = 1'-0"



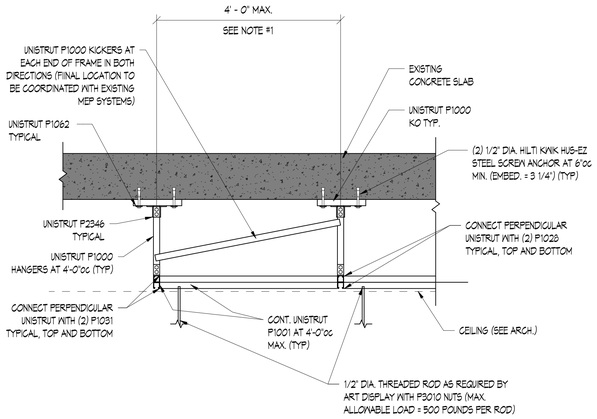
NOTE: STAIR STRINGER CONNECTION TO EXISTING STRUCTURE, BY STAIR MANUFACTURER

3 PLATE STRINGER STAIR DETAIL
SCALE: 1" = 1'-0"



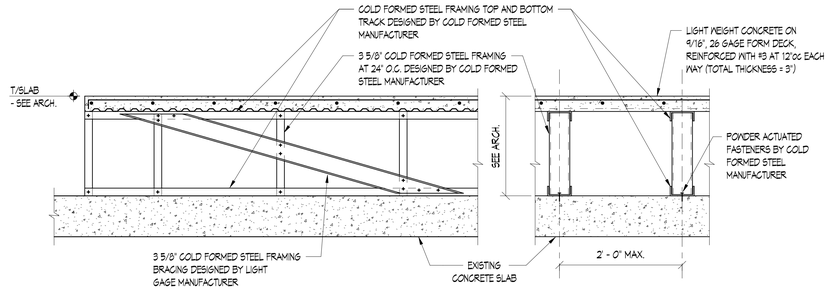
NOTES: 1. CONTRACTOR TO PROVIDE SIZE OF EXISTING STEEL STRINGER TO STRUCTURAL ENGINEER OF RECORD FOR FINAL ANALYSIS OF EXISTING CAPACITY

4 TYPICAL STRINGER REINFORCING
SCALE: 1" = 1'-0"

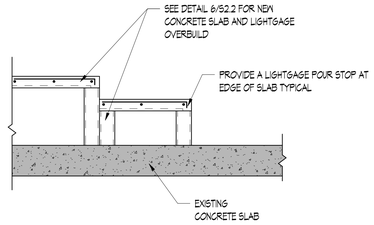


1. PROVIDE A UNISTRUT GRID AT A MAXIMUM SPACING OF 4'-0"oc IN EACH DIRECTION FOR FULL FOOTPRINT OF HANGING ART WORK.

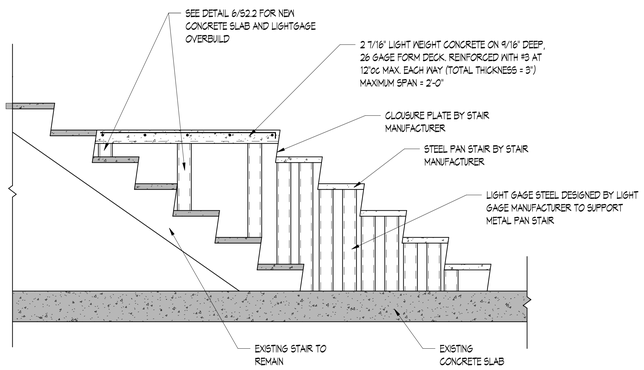
5 TYPICAL ART DISPLAY HANGING SUPPORT
SCALE: 3/4" = 1'-0"



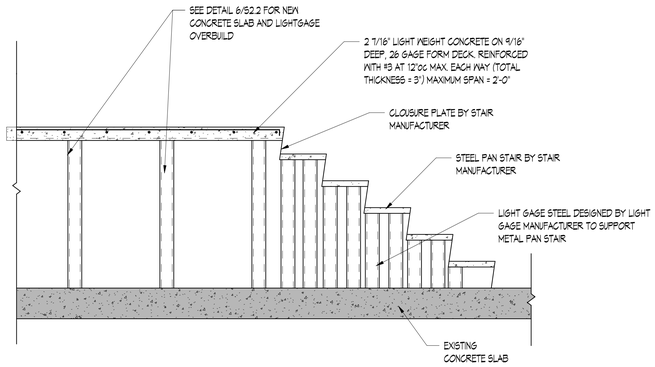
6 OVERBUILD SLAB OVER COLD FORMED STEEL FRAMING
SCALE: 1" = 1'-0"



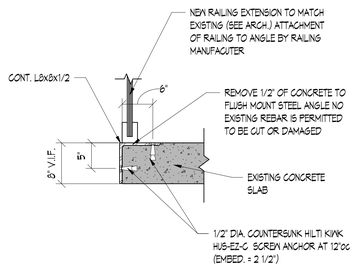
7 TYPICAL DETAIL
SCALE: 3/4" = 1'-0"



8 TYPICAL DETAIL
SCALE: 3/4" = 1'-0"



9 TYPICAL DETAIL
SCALE: 3/4" = 1'-0"



10 TYPICAL DETAIL
SCALE: 1" = 1'-0"

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www.rath-goss.com

PROJECT NO. 21008.08

Construction Documents for:

ARLINGTON COUNTY OFFICES RENOVATION
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued	05/26/21
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TYPICAL DETAILS

Scale	**As indicated**
Drawn	KSW
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S2.2

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AUDIOVISUAL DRAWING LIST		
NUMBER	SHEET TITLE	99% REVIEW - 05/07/2021
AUDIOVISUAL		
000 - Drawing Index/Legends		
TA0.00	AUDIOVISUAL COVER SHEET	X
TA0.01	AUDIOVISUAL GENERAL NOTES	X
200 - OVERALL PLAN		
TA1.20	AUDIOVISUAL PARTIAL PLAN - G1	X
TA2.20	AUDIOVISUAL PARTIAL PLAN - LEVEL 1	X
TA3.20	AUDIOVISUAL PARTIAL PLAN - LEVEL 2	X
TA4.20	AUDIOVISUAL PARTIAL PLAN - LEVEL 3	X
300- RCPS		
TA1.30	AUDIOVISUAL RCPS - LEVEL 1	X
TA3.30	AUDIOVISUAL RCPS - LEVEL 3	X
600 - ENLARGED PLANS		
TA16.01	AUDIOVISUAL ENLARGED PLANS - LOBBY DIRECTORY	X
TA16.02	AUDIOVISUAL ENLARGED PLANS - RECEPTION	X
TA16.03	AUDIOVISUAL ENLARGED PLANS - USS ARLINGTON	X
TA16.04	AUDIOVISUAL ENLARGED PLANS - ELEVATOR LOBBY - TYPICAL	X
TA16.05	AUDIOVISUAL ENLARGED PLANS - BOARD ROOM ENTRANCE	X
700 - DIAGRAMS		
TA17.01	AUDIOVISUAL SYSTEM FLOW DIAGRAMS	X
800 - EQUIPMENT DETAIL		
TA18.01	AUDIOVISUAL EQUIPMENT DETAILS	X

Audiovisual Systems Scope of Responsibility Matrix

Item	Requirements Provided by	Documented by	Package	Furnished by	Installed by
Infrastructure					
Containment, conduit, junction boxes, wireways and other electrical (construction related) rough-in work pertaining to the installation of the AV systems.	Cerami	Cerami / MEP	Electrical	Electrical Contractor	Electrical Contractor
In-wall boxes with shared access for audiovisual, tele/data and power systems	Cerami	MEP	Electrical	Electrical Contractor	Electrical Contractor
All fire rated penetrations	Cerami	MEP	Electrical	Electrical Contractor	Electrical Contractor
All AC power receptacles and related electrical requirements	Cerami	MEP	Electrical	Electrical Contractor	Electrical Contractor
IT, tele/data infrastructure as required for AV systems	Cerami	MEP	Electrical	Low Voltage Contractor	Low Voltage Contractor
All low voltage audiovisual cabling	Cerami	Cerami	Audiovisual	Audiovisual Contractor	Audiovisual Contractor
All low voltage audiovisual terminations	Cerami	Cerami	Audiovisual	Audiovisual Contractor	Audiovisual Contractor
Equipment					
Wall blocking, uni-strut/kindorf, threaded rod, etc as required for AV devices	Cerami	Architect / MEP	General Contractor	General Contractor	General Contractor
Handling of all AV equipment from building dock to a secure location	Cerami	Cerami	Audiovisual	Audiovisual Contractor	Audiovisual Contractor
Program speakers	Cerami	Cerami	Audiovisual	Audiovisual Contractor	Audiovisual Contractor
Wall mounted LCD or flat panel displays	Cerami	Cerami	Audiovisual	Audiovisual Contractor	Audiovisual Contractor
Control system touch screens and other hardware.	Cerami	Cerami	Audiovisual	Audiovisual Contractor	Audiovisual Contractor
Provision of all OFE pc's and servers (as required)	Cerami	Cerami	Audiovisual	Arlington County	Audiovisual Contractor
Building-Wide Systems					
Digitial Signage Endpoints	Cerami	Cerami	Audiovisual	Audiovisual Contractor	Audiovisual Contractor
Commissioning, Programming and Project Management					
Control system(s) programming	Cerami	Cerami	Audiovisual	Audiovisual Contractor	Audiovisual Contractor
Audio Signal Processing and Misc Systems Programming	Cerami	Cerami	Audiovisual	Audiovisual Contractor	Audiovisual Contractor
Contractor Project management, supervision, testing and commissioning of the AV systems	Cerami	Cerami	Audiovisual	Audiovisual Contractor	Audiovisual Contractor
Audiovisual Systems Punch List				Cerami	Audiovisual Contractor

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AUDIOVISUAL COVER SHEET

Scale **12" = 1'-0"**
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CABLE TYPES SCHEDULE

1. THESE CABLE TYPES ARE CITED TO ILLUSTRATE THE MINIMUM CABLE PERFORMANCE REQUIREMENTS. UNLESS OTHERWISE NOTED, CABLES FROM OTHER MANUFACTURERS (E.G. WEST PENN, COMM SCOPE, LIBERTY CABLE, ETC.) WILL BE CONSIDERED IF DATA SHEETS ARE SUBMITTED PRIOR TO INSTALLATION AND APPROVED BY AV CONSULTANT.
2. THE USE OF PLENUM RATED CABLING IS REQUIRED FOR ALL AV CABLING RUN OUTSIDE OF METAL CONDUIT.
3. THE CONTRACTOR SHALL ONLY USE PLUGS AND JACKS SPECIFICALLY MANUFACTURED AND DESIGNED FOR THE CABLE USED.

CABLE TYPE	DESCRIPTION	MANUFACTURER	NON-PLENUM	PLENUM
			MODEL	MODEL
AUDIO				
AUDIO (MICROPHONE & LINE LEVEL)	(1) PAIR 22 AWG TWISTED PAIR	BELDEN	9451	9451P
AUDIO (DIGITAL)	(1) PAIR 24 AWG (110 OHM) TWISTED PAIR	BELDEN	1800F	1801B
AUDIO (SPEAKER LEVEL, 70V)	2 CONDUCTOR 18 AWG STRANDED	BELDEN	5300UP	82740
AUDIO (SPEAKER LEVEL, SPEECH)	2 CONDUCTOR 16 AWG STRANDED	BELDEN	5200UP	6200UE
AUDIO (SPEAKER LEVEL, PROGRAM)	2 CONDUCTOR 14 AWG STRANDED	BELDEN	5100UP	6100UE
AUDIO (SPEAKER LEVEL, PERFORMANCE)	2 CONDUCTOR 12 AWG STRANDED	BELDEN	5000UP	6000UE
AUDIO (SPEAKER LEVEL, HIGH WATTAGE)	2 CONDUCTOR 10 AWG STRANDED	BELDEN	5T00UP	6T00UP
VIDEO				
VIDEO (UTP NON-CATEGORY)	(4) PAIR 24 AWG LOW-SKEW TWISTED PAIR	BELDEN	7987R	7987P
VIDEO (UTP CATEGORY)	REFER TO IT PROJECT STANDARDS			
VIDEO (ANALOG COMPONENT VIDEO)	RG-59/U 20 AWG 75 OHM COAX	BELDEN	8281	88281
VIDEO (DIGITAL VIDEO)	RG-59/U 20 AWG 75 OHM COAX	BELDEN	1505A	1506A
RF / CATV / ALS / WIRELESS ANT COAX				
RF (HARDLINE)	HARDLINE (75 OHM)	COMMSCOPE	P3-500 SERIES JCAR	
RF (COAX <150')	RG-6/U (75 OHM)	BELDEN	9118	1152A
RF (COAX <250')	RG-11/U (75 OHM)	BELDEN	9064	1153A
RF (COAX TRIAX')	RG-11/U (75 OHM)	BELDEN	1858A	1859A
RF (WIRELESS ANTENNA)	RG-8/U (50 OHM)	BELDEN	9913F7	89913
RF (MICROWAVE ANTENNA; RISER-RATED)	HELIAX (50 OHM)	ANDREW	LDF4-50A	-
AV/UTP CATEGORY & CONTROL				
CRESNET CONTROL CABLE	(1) PAIR 22 AWG TWISTED PAIR & (1) PAIR 18 AWG	CRESTRON	CRESNET-NP	CRESNET-P
DIGITAL MEDIA 8G ULTRA CABLE 4K	CAT 7A 4-PAIR 22 AWG SOLID BARE COPPER	CRESTRON	DM-CBL-ULTRA-NP	DM-CBL-ULTRA-P
DIGITAL MEDIA 8G CABLE	CAT 5E 4-PAIR 22 AWG SOLID COPPER	CRESTRON	DM-CBL-8G-NP	DM-CBL-8G-P
SHIELDED TWISTED PAIR CABLE	(4) PAIR SHIELDED 24 AWG TWISTED PAIR SOLID BARE COPPER	EXTRON	22-236-03	22-235-03
CONTROL (SERIAL APPLICATIONS)	(2) PAIR 22 AWG TWISTED PAIR	BELDEN	8723	88723
CONTROL (TOUCH/CONTROL SYSTEM APPLICATIONS)	(1) PAIR 22 AWG TWISTED PAIR & (1) PAIR 18 AWG	BELDEN	1502R	1502P
CONTROL (NETWORK)	REFER TO IT PROJECT STANDARDS			
FIBER				
OM3 MM	(##) 50uM OM3 MULTI-MODE (FIBER STRAND COUNT PER DRAWINGS)	CORNING	0##T81-31180-24	0##T81-31180-29
OM4 MM	(##) 50uM OM4 MULTI-MODE (FIBER STRAND COUNT PER DRAWINGS)	CORNING	0##T81-31190-24	0##T81-31190-29
OS2 SM	(##) SINGLE-MODE (FIBER STRAND COUNT PER DRAWINGS)	CORNING	0##T81-31131-24	0##T81-31131-29
			NOTE: CONTRACTOR TO PROVIDE ARMORED EQUIVALENTS AS INDICATED IN THE DRAWING PACKAGE	
SMPTE 304M CAMERA	(4) 20AWG COPPER, (2) 24AWG COPPER, (2) SINGLE-MODE FIBER	MOHAWK	96040	96920

2018-12-30

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AUDIOVISUAL GENERAL NOTES

Scale **12" = 1'-0"**
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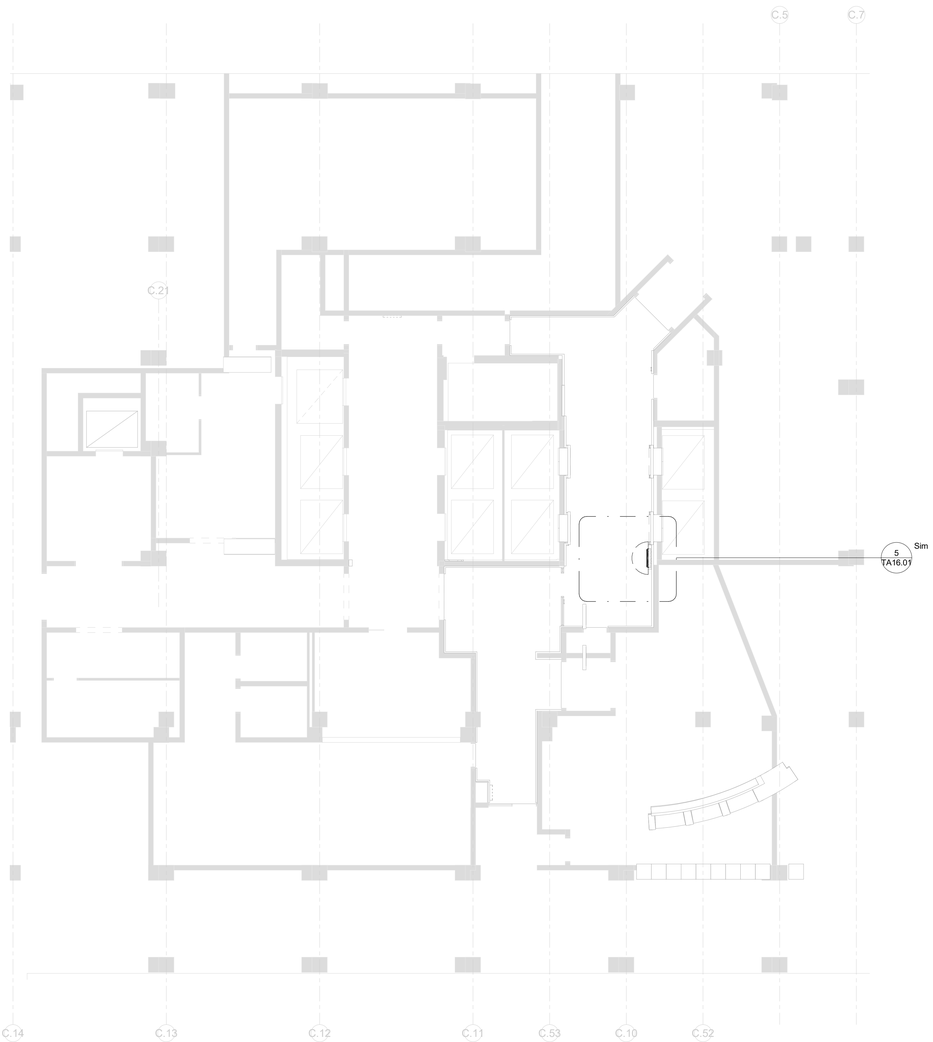

1 AUDIOVISUAL - PARTIAL PLAN - G1
1/8" = 1'-0"

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AUDIOVISUAL PARTIAL PLAN - G1

Scale **1/8" = 1'-0"**
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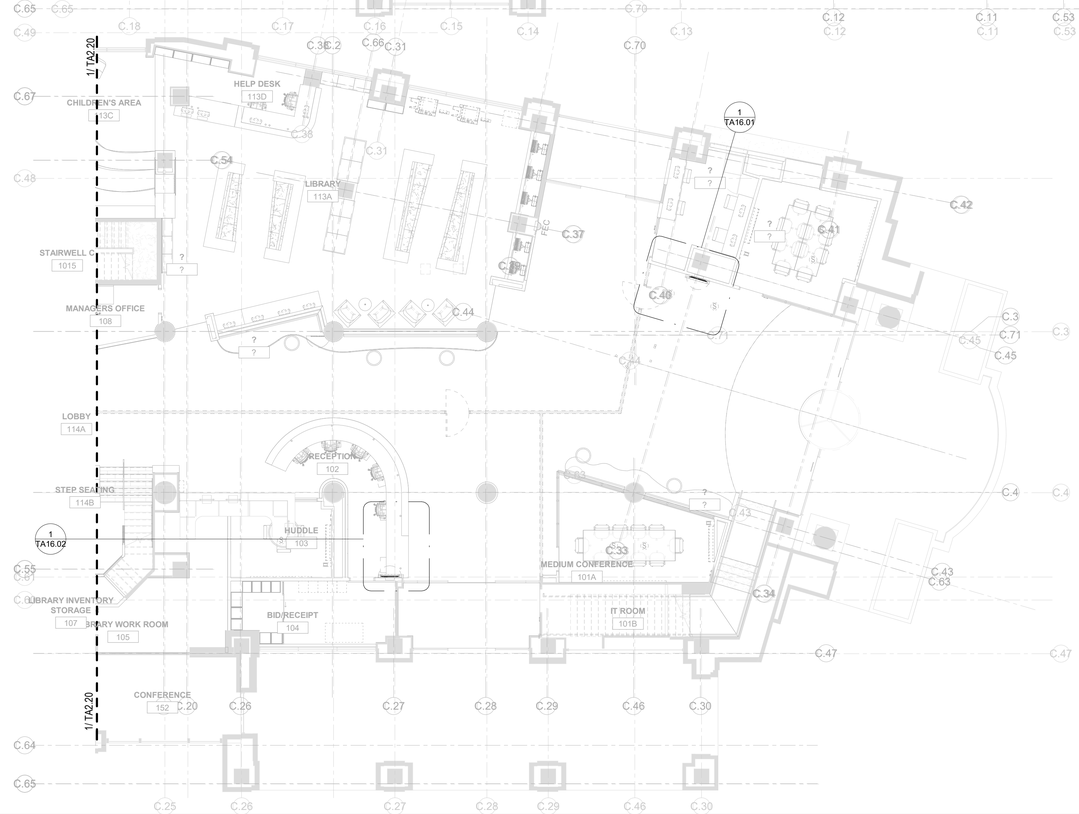
1 AUDIOVISUAL - PARTIAL PLAN - LEVEL 1 AREA 1
1/8" = 1'-0"



2 AUDIOVISUAL - PARTIAL PLAN - LEVEL 1 AREA 2
1/8" = 1'-0"

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AUDIOVISUAL PARTIAL PLAN - LEVEL 1

Scale 1/8" = 1'-0"
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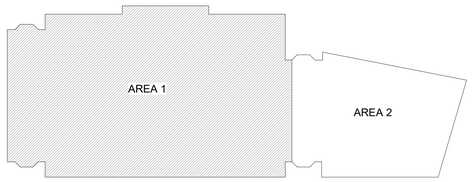
1 AUDIOVISUAL - PARTIAL PLAN - LEVEL 2 AREA 1
1/8" = 1'-0"



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AUDIOVISUAL PARTIAL PLAN - LEVEL 2

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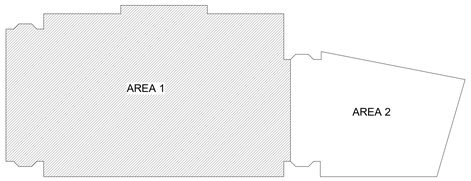
1 AUDIOVISUAL - PARTIAL PLAN - LEVEL 3 AREA 1
1/8" = 1'-0"



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AUDIOVISUAL PARTIAL PLAN - LEVEL 3

Scale **As indicated**
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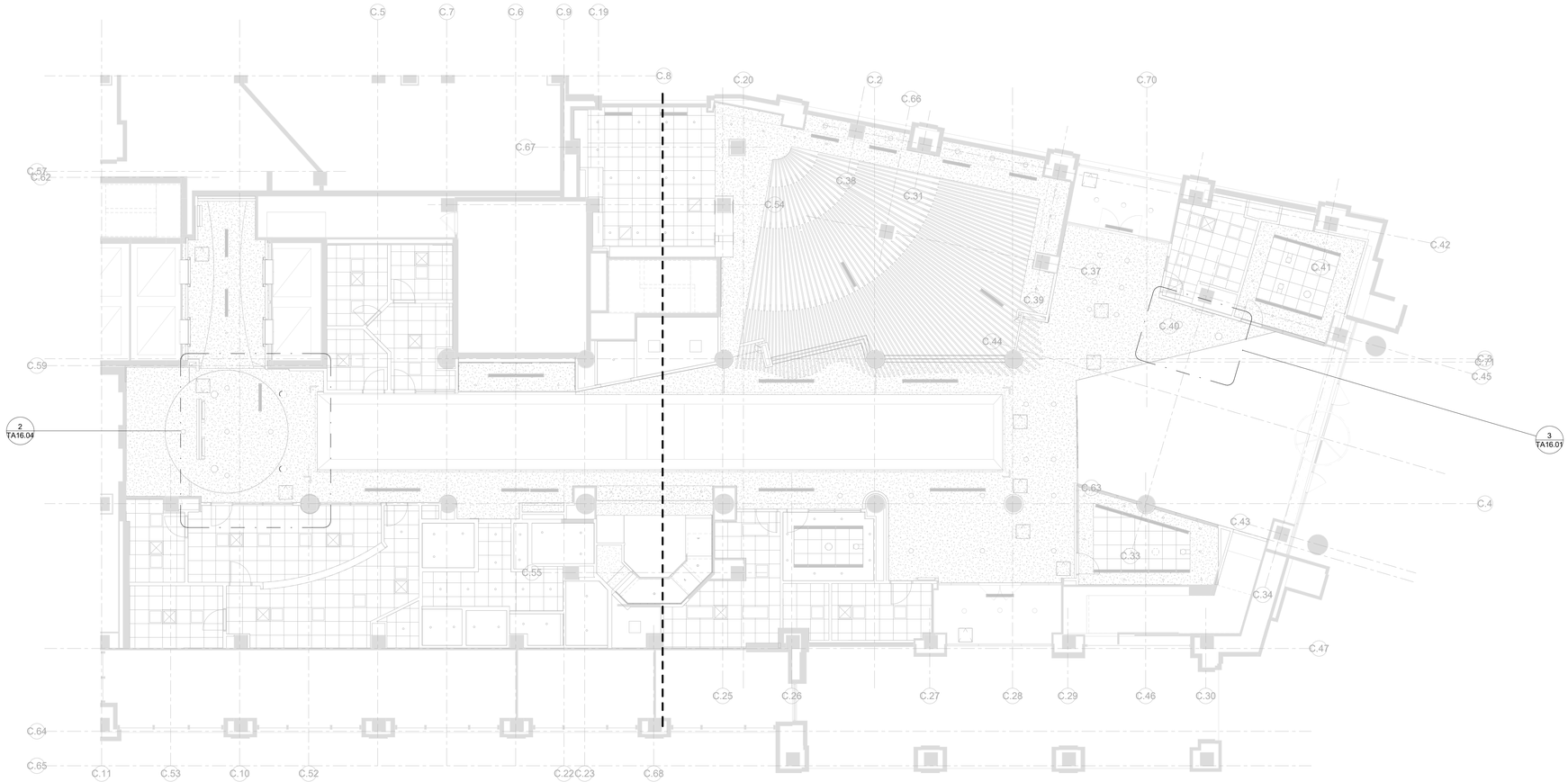

1 PARTIAL RCP - LEVEL 1
1/8" = 1'-0"

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AUDIOVISUAL RCPS - LEVEL 1

Scale **1/8" = 1'-0"**
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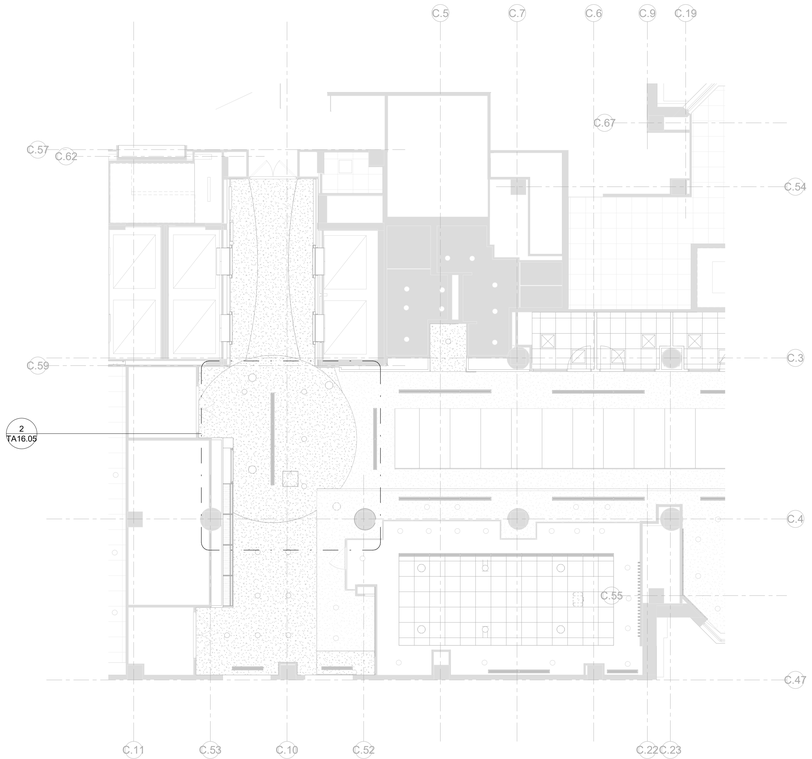

1 PARTIAL RCP - LEVEL 3
1/8" = 1'-0"

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AUDIOVISUAL RCPS - LEVEL 3

Scale **1/8" = 1'-0"**
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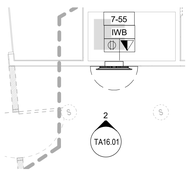
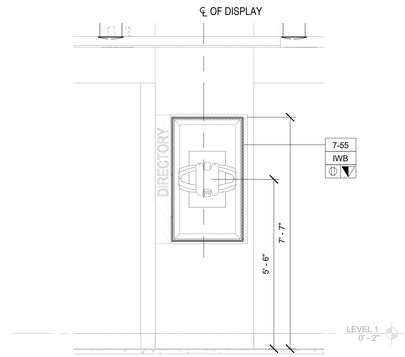
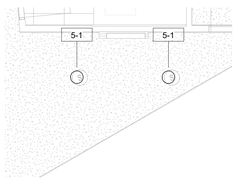
AUDIOVISUAL DEVICE SCHEDULE	
TAG	DESCRIPTION
2-# CONNECTIVITY	
IWB	IN-WALL BOX; CHIEF PAC527 FOR FLAT PANEL DISPLAY CONNECTIVITY
5-# AUDIO OUTPUT	
5-1	LOUDSPEAKER; CEILING RECESSED
7-# VIDEO DISPLAY (TYPE 1)	
7-55	55" FLAT PANEL DISPLAY; WALL MOUNTED
MOUNTING HARDWARE	
DM-AR	SWING ARM MOUNT FOR FLAT PANEL DISPLAY



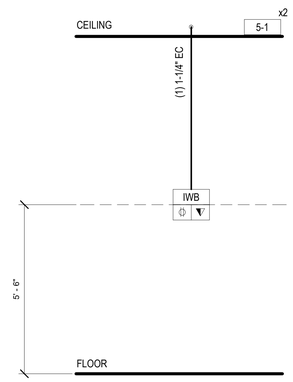
1 AUDIOVISUAL - ENLARGED PLAN - MAIN LOBBY DIRECTORY
1/4" = 1'-0"



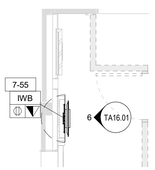
2 AUDIOVISUAL - ELEVATION - MAIN LOBBY DIRECTORY
1/2" = 1'-0"



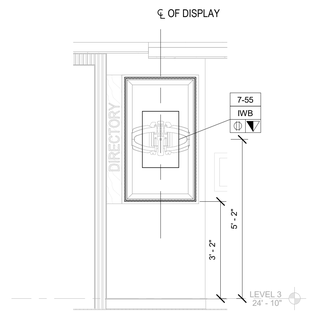
3 AUDIOVISUAL - ENLARGED RCP - MAIN LOBBY DIRECTORY
1/4" = 1'-0"



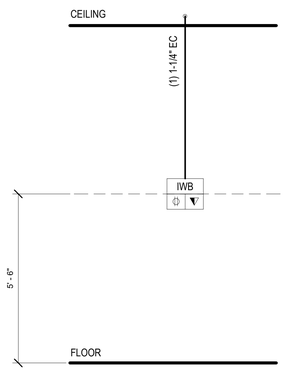
4 AUDIOVISUAL -RISER - MAIN LOBBY DIRECTORY
1/2" = 1'-0"



5 AUDIOVISUAL - TYPICAL ENLARGED PLAN - LEVEL 2, 3, & G1 ELEVATOR LOBBY DIRECTORY
1/4" = 1'-0"



6 AUDIOVISUAL - TYPICAL ELEVATION - LEVEL 2, 3, & G1 ELEVATOR LOBBY DIRECTORY
1/2" = 1'-0"



7 AUDIOVISUAL - TYPICAL RISER - LEVEL 2, 3, & G1 ELEVATOR LOBBY DIRECTORY
1/2" = 1'-0"

NOTE:
DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR COORDINATED AV INFRASTRUCTURE AND ELECTRICAL DEVICE LOCATIONS.
2. STUD PLACEMENT TO BE COORDINATED WITH DISPLAY IN-WALL BOX MOUNTING TO KEEP IN-WALL BOX ALONG THE CENTERLINE OF THE DISPLAY.
3. DISPLAY WIDTH AND HEIGHTS SHOWN ARE REPRESENTATIVE AND ARE TO BE CONFIRMED WITH THE FINAL CONTRACTOR PROVIDED CUT-SHEETS PRIOR TO ROUGHING AND DISPLAY RECESSES OR COORDINATING OTHER CRITICAL CLEARANCES.
4. WHEN RECESSED, PROVIDE A 1" MINIMUM CLEARANCE AROUND TOP, BOTTOM AND SIDES OF DISPLAY.

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AUDIOVISUAL ENLARGED PLANS - LOBBY DIRECTORY

Scale **As indicated**
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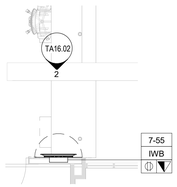
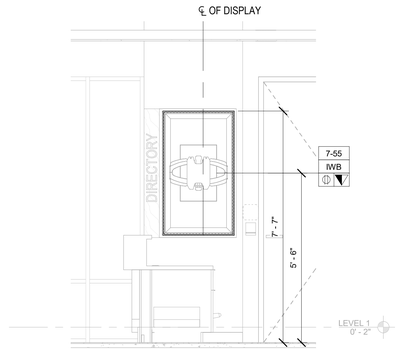
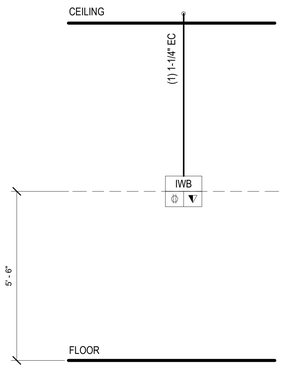
AUDIOVISUAL DEVICE SCHEDULE	
TAG	DESCRIPTION
2-# CONNECTIVITY	
IWB	IN-WALL BOX; CHIEF PAC527 FOR FLAT PANEL DISPLAY CONNECTIVITY
5-# AUDIO OUTPUT	
5-1	LOUDSPEAKER; CEILING RECESSED
7-# VIDEO DISPLAY (TYPE 1)	
7-55	55" FLAT PANEL DISPLAY; WALL MOUNTED
MOUNTING HARDWARE	
DM-AR	SWING ARM MOUNT FOR FLAT PANEL DISPLAY



1 AUDIOVISUAL - ENLARGED PLAN - RECEPTION DIRECTORY
1/4" = 1'-0"



2 AUDIOVISUAL - ELEVATION - RECEPTION DIRECTORY
1/2" = 1'-0"



3 AUDIOVISUAL -RISER - RECEPTION DIRECTORY
1/2" = 1'-0"

NOTE:
DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

1. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR COORDINATED AV INFRASTRUCTURE AND ELECTRICAL DEVICE LOCATIONS.
2. STUD PLACEMENT TO BE COORDINATED WITH DISPLAY IN-WALL BOX MOUNTING TO KEEP IN-WALL BOX ALONG THE CENTERLINE OF THE DISPLAY.
3. DISPLAY WIDTH AND HEIGHTS SHOWN ARE REPRESENTATIVE AND ARE TO BE CONFIRMED WITH THE FINAL CONTRACTOR PROVIDED CUT-SHEETS PRIOR TO ROUGHING AND DISPLAY RECESSES OR COORDINATING OTHER CRITICAL CLEARANCES.
4. WHEN RECESSED, PROVIDE A 1" MINIMUM CLEARANCE AROUND TOP, BOTTOM AND SIDES OF DISPLAY.

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Construction Documents for:
ARLINGTON COUNTY
COURTHOUSE PLAZA
COURTHOUSE PLAZA,
ARLINGTON VA

Project: 18029-01

Issue **05/26/21**
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Revisions

AUDIOVISUAL ENLARGED PLANS - RECEPTION

Scale **As indicated**
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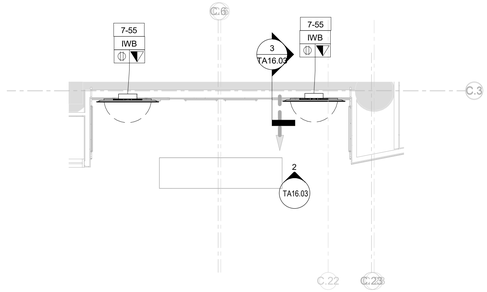
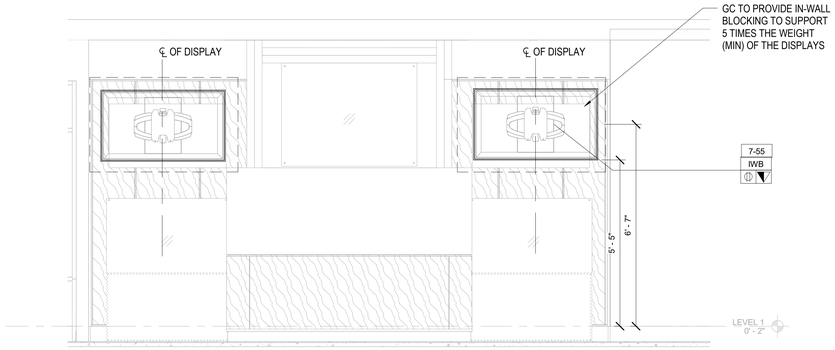
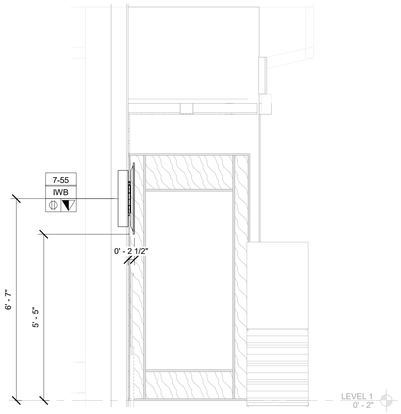


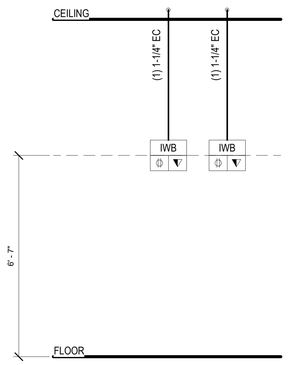
1 AUDIOVISUAL - ENLARGED PLAN - USS ARLINGTON
1/4" = 1'-0"



2 AUDIOVISUAL - ELEVATION - USS ARLINGTON
1/2" = 1'-0"



3 AUDIOVISUAL - SECTION - USS ARLINGTON
1/2" = 1'-0"



4 AUDIOVISUAL - RISER - USS ARLINGTON
N.T.S

NOTE:
DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

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Project: 18029-01

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AUDIOVISUAL ENLARGED PLANS - USS ARLINGTON

Scale **As indicated**
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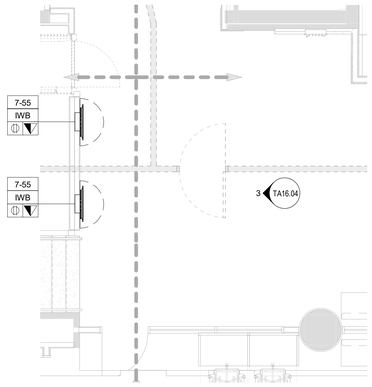
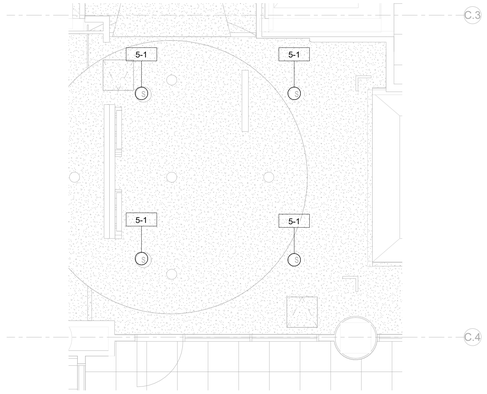
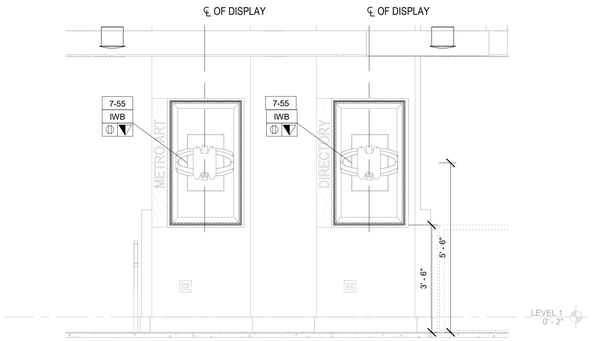


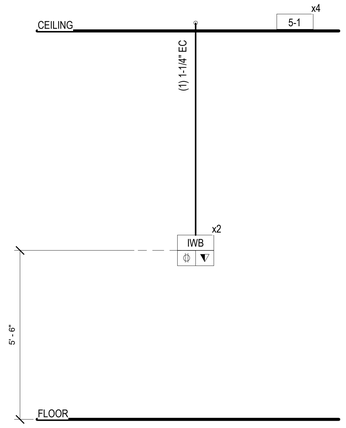
1 AUDIOVISUAL - ENLARGED PLAN - ELEVATOR LOBBY - LEVEL 1
1/4" = 1'-0"



2 AUDIOVISUAL - ENLARGED RCP - ELEVATOR LOBBY - LEVEL 1
1/4" = 1'-0"



3 AUDIOVISUAL - ELEVATION - ELEVATOR LOBBY - LEVEL 1
1/2" = 1'-0"



4 AUDIOVISUAL - RISER - ELEVATOR LOBBY - LEVEL 1
1/2" = 1'-0"

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AUDIOVISUAL ENLARGED PLANS - ELEVATOR LOBBY - TYPICAL

Scale **As indicated**
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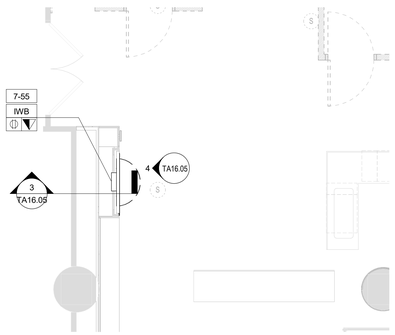
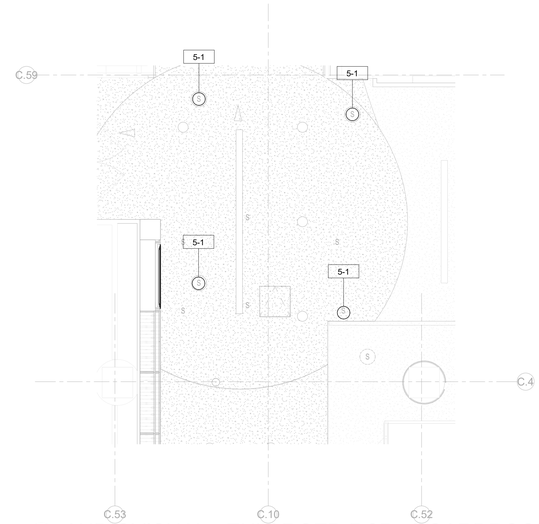
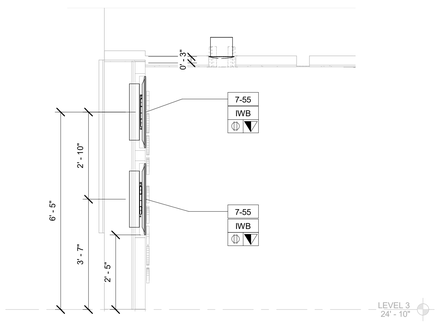


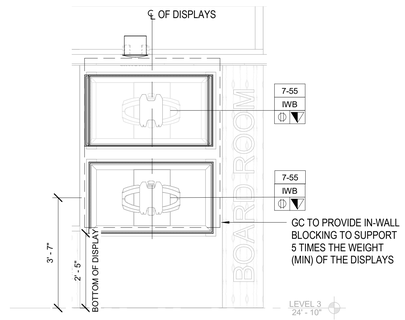
1 AUDIOVISUAL - ENLARGED PLAN - BOARDROOM ENTRANCE - LEVEL 3
1/4" = 1'-0"



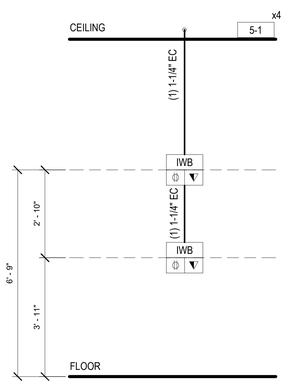
2 AUDIOVISUAL - ENLARGED RCP - BOARDROOM ENTRANCE - LEVEL 3
1/4" = 1'-0"



3 AUDIOVISUAL - SECTION - BOARDROOM ENTRANCE
1/2" = 1'-0"



4 AUDIOVISUAL - ELEVATION - BOARDROOM ENTRANCE
1/2" = 1'-0"



5 AUDIOVISUAL - RISER - BOARDROOM ENTRANCE
N.T.S

NOTE:
DEVICE MOUNTING COORDINATION WITH ARCHITECTURE MILLWORK

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Project: 18029-01

Issue **05/26/21**
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Revisions

AUDIOVISUAL ENLARGED PLANS - BOARD ROOM ENTRANCE

Scale **As indicated**
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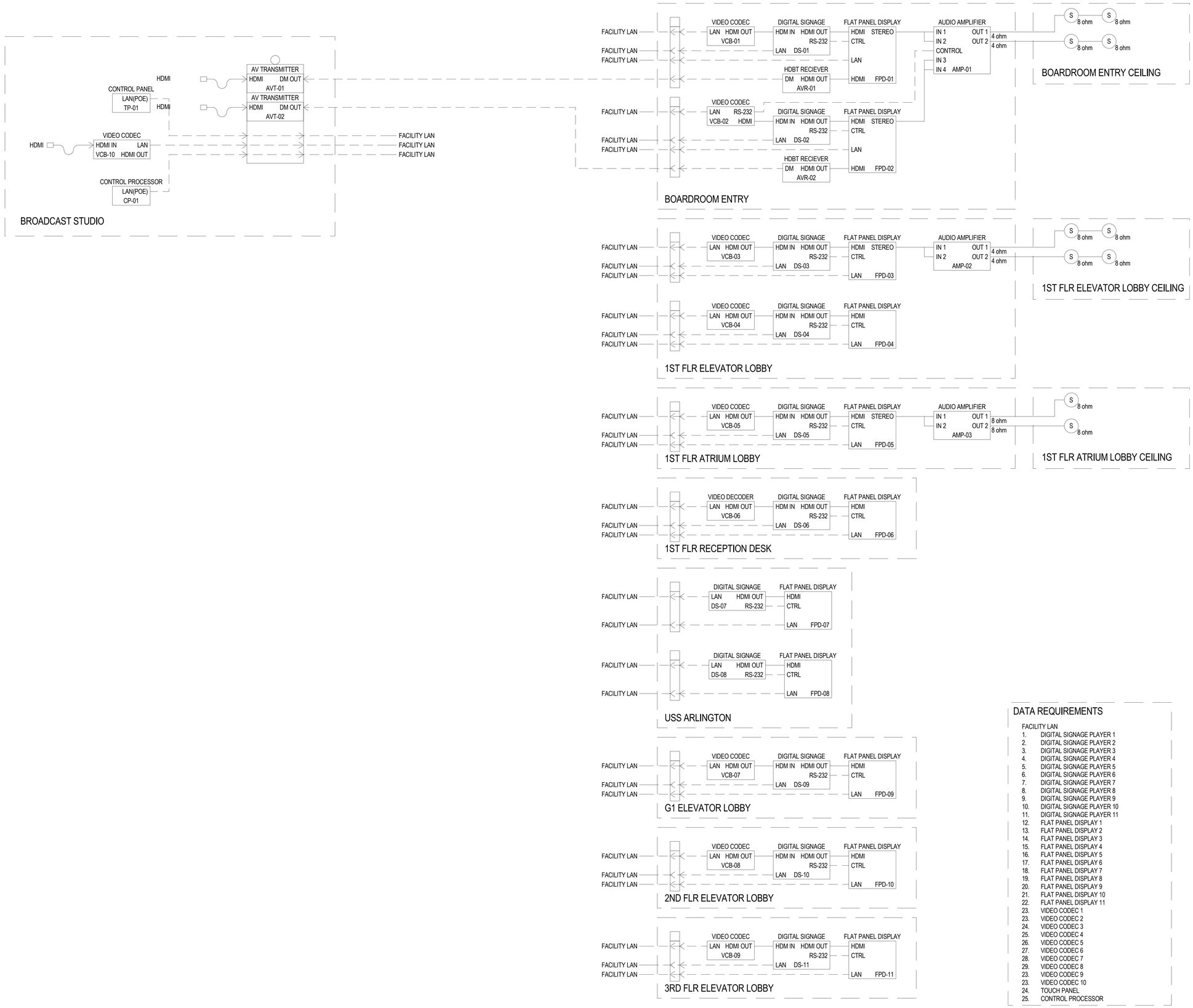

1 BUILDING WIDE DIGITAL SIGNAGE AV SYSTEM DIAGRAM
SCALE: = NONE

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5 99% REVIEW 05/07/2021

AUDIOVISUAL SYSTEM FLOW DIAGRAMS

Scale **12" = 1'-0"**
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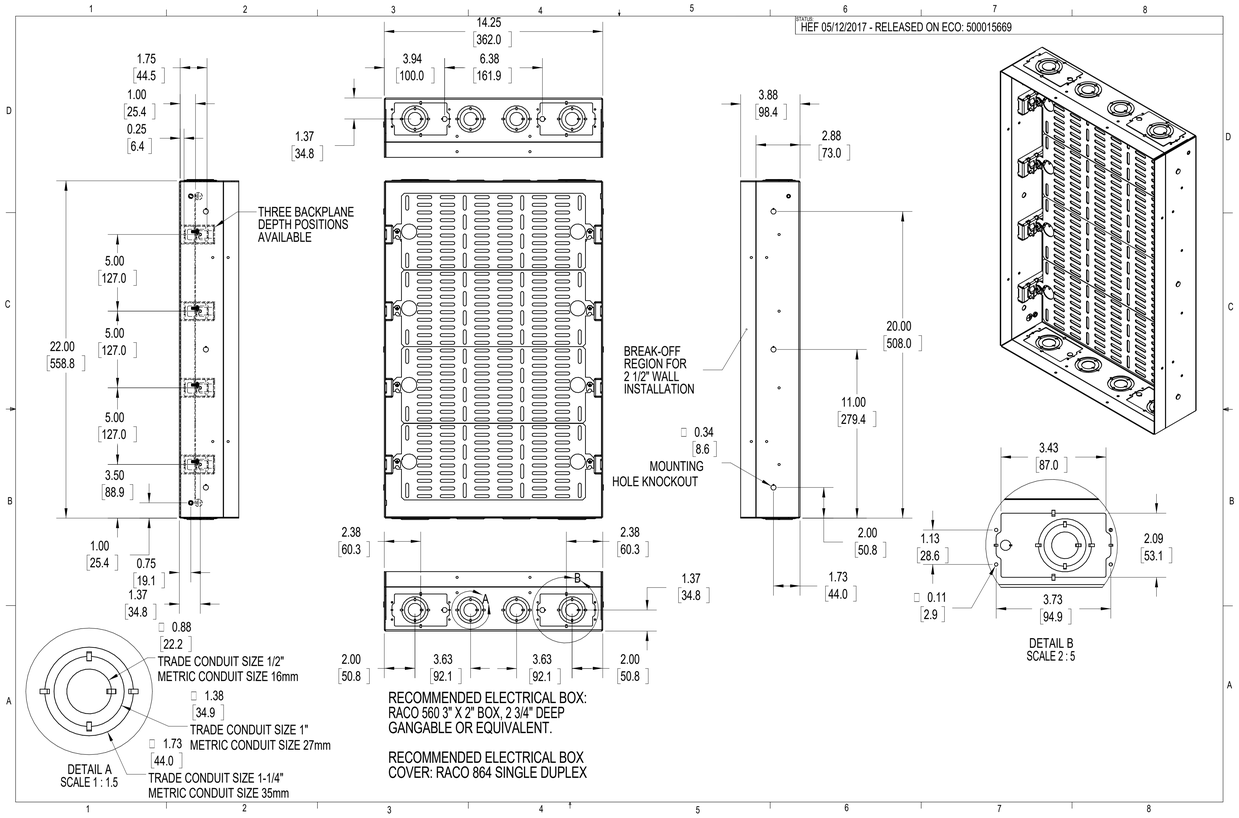

1 PAC527
3" = 1'-0"

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5 99% REVIEW 05/07/2021

AUDIOVISUAL EQUIPMENT DETAILS

Scale **3" = 1'-0"**
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MECHANICAL GENERAL NOTES

1. CONTRACTOR SHALL MOUNT AND CONNECT EACH ITEM OF EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

2. CONTRACTOR SHALL MAKE AN ON-SITE INSPECTION TO DETERMINE FULLY THE EXISTING CONDITIONS AND THE EXTENT OF DEMOLITION.

3. LOCATION OF EQUIPMENT, PIPING, AND OTHER MECHANICAL WORK IS INDICATED DIAGRAMMATICALLY BY THE DRAWINGS. DETERMINE EXACT LOCATIONS ON THE JOB SITE, SUBJECT TO STRUCTURAL CONDITIONS AND WORK OF OTHER CONTRACTORS.

4. CONTRACTOR SHALL, AFTER INSTALLATION AND START-UP, THOROUGHLY CHECK EACH ITEM OF EQUIPMENT FOR VIBRATION TRANSMISSION TO THE STRUCTURE OR EXCESSIVE NOISE. IF EITHER OCCURS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING THE FAULTY SITUATION IMMEDIATELY.

5. WHEREVER PIPES, CONDUITS OR OTHER ITEMS PASS THROUGH FIRE RATED WALLS AND FLOORS, THE CONTRACTOR SHALL ADEQUATELY FIRE STOP THE SPACE BETWEEN THE ITEMS AND THE MASONRY OR THE SPACE BETWEEN THE ITEM AND SLEEVE. FIRE STOP SHALL BE A NON-COMBUSTIBLE, NON-MELTING, APPROVED MATERIAL.

6. ALL EXISTING EQUIPMENT, OTHER THAN DUCTWORK, WIRING AND AIR TERMINALS, REMOVED SHALL BECOME THE PROPERTY OF THE OWNER AND SHALL BE REMOVED, STORED, OR DISPOSED OF AT THE DIRECTION OF THE OWNER.

7. ALL OPENINGS IN WALLS, CEILINGS AND FLOORS RESULTING FROM DUCT DEMOLITION SHALL BE CLOSED AND FINISHED TO MATCH THE SURROUNDING AREAS BY THE GENERAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING LOCATIONS.

8. PROVIDE ACCESS PANELS IN DUCTWORK IN A LOCATION TO SERVICE FIRE DAMPERS AND FIRE/ SMOKE DAMPERS. ACCESS PANELS SHALL BE OF THE INSULATED DOOR TYPE ON ALL INSULATED DUCTS AND SHALL NOT BE COVERED BY DUCT INSULATION. ACCESS PANELS SHALL BE CON- STRUCTED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS. MINIMUM SIZE OF ACCESS PANELS SHALL BE 12" X 12" EXCEPT WHERE DUCT IS LESS THAN 14" WIDE IN WHICH CASE ONE DIMENSION SHALL BE 12" AND THE OTHER SHALL BE 2" LESS THAN THE DUCT WIDTH. ACCESS DOORS SHALL BE ACCESSIBLE.

9. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF MECHANICAL EQUIPMENT'S ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR. CONTRACTOR ORIGINATED MODIFICATIONS TO THE MECHANICAL EQUIPMENT'S ELECTRICAL INSTALLATION, DUE TO DEVIATIONS FROM THE MECHANICAL EQUIPMENTS "BASIS OF DESIGN" OR "PROTOTYPE" ELECTRICAL DATA, SHALL BE AT A COST TO THE CONTRACTOR.

10. POWER FOR VAV BOX CONTROLS AND ACTUATORS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL WIRING ABOVE 24 VOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE ELECTRICAL SPECIFICATIONS AND THE "NATIONAL ELECTRIC CODE".

11. SIZES AND LOCATIONS OF EXISTING DUCTWORK AND PIPING SHOWN ON THESE DRAWINGS ARE TAKEN FROM AVAILABLE DRAWINGS OF EXISTING BUILDING. CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF EXISTING DUCTWORK AND PIPING BEFORE PURCHASING NEW MATERIALS AND EQUIPMENT OR FABRICATING NEW DUCTWORK.

12. INSTALL ALL VAV BOX HEATERS TO PROVIDE A MINIMUM OF 3'-6" CLEARANCE IN FRONT OF THE TERMINAL BOX.

13. RUN ALL DUCTWORK ABOVE CEILING AND HOLD TIGHT TO UNDERSIDE OF STRUCTURE ABOVE UNLESS OTHERWISE INDICATED.

14. ALL DUCT RUN OUTS ABOVE DRYWALL CEILINGS AND ALL EXPOSED DUCTWORK SHALL BE OF SHEETMETAL CONSTRUCTION (NO FLEX ALLOWED).

15. FLEXIBLE DUCT SHALL BE CLASS '1' RATED AND SHALL NOT EXCEED 8 FT. IN LENGTH.

16. FOR EXACT LOCATION OF ALL AIR DEVICES, SEE REFLECTED CEILING PLANS ON ARCHITECTURAL DRAWINGS.

17. INSULATE NEW SUPPLY DUCTWORK WHERE INDICATED. DUCTWORK INDICATED TO BE SOUND LINED SHALL NOT BE EXTERNALLY INSULATED IN ADDITION TO SOUND LINING.

18. COVER ALL RETURN AIR DUCT OPENINGS ABOVE CEILING WITH 1/2" MESH SCREEN.

19. PROVIDE VOLUME DAMPERS AT EACH BRANCH TAKE-OFF FROM MAIN SUPPLY, RETURN AND EXHAUST DUCT SERVING TWO OR MORE AIR DEVICES.

20. ALL CEILING DIFFUSERS SHALL BE FOUR-WAY BLOW UNLESS OTHERWISE INDICATED BY DIRECTIONAL FLOW ARROWS OR NOTE ON "AIR DEVICES SCHEDULE". NECK SIZES AS INDICATED ON DRAWINGS. DUCT DROPS SHALL BE CLOSELY COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH LIGHTING FIXTURES, CEILING GRID, SPRINKLERS, ETC.

21. ANY CHANGES TO DUCT DUE TO FIELD CONDITIONS SHALL BE MADE ONLY IF THE DUCT SIZE FREE AREA IS MAINTAINED AND SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL.

22. PROVIDE TURNING VANES IN ALL MITERED ELBOWS 30° OR GREATER.

23. SOUND LINE ALL SUPPLY AND RETURN AIR DUCTS AS SPECIFIED AND SHOWN ON DRAWINGS. LINING SHALL MEET THE LIFE SAFETY STANDARDS AS ESTABLISHED BY NFPA 90A.

24. CONNECT ALL DUCTWORK TO EQUIPMENT WITH FLEXIBLE CONNECTIONS.

25. INSULATION OF DUCTWORK AND PIPING PASSING THROUGH NON-RATED WALLS SHALL BE CONTINUOUS THROUGH THE WALL PENETRATION.

26. CONTRACTOR SHALL BRACE DUCTWORK (AS REQUIRED) AT ALL FLEXIBLE CONNECTIONS TO ENSURE THAT DUCTWORK IS IN ALIGNMENT.

27. ALL EXPOSED ROUND DUCTWORK SHALL BE LOCKED SPIRAL SEAM TYPE.

28. CONTRACTOR SHALL FURNISH AND INSTALL ALL DUCT HANGERS AND SUPPORTS IN ACCORDANCE WITH SECTION IV OF "HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE" AS PUBLISHED BY SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, INC. (SMACNA), LATEST EDITION.

29. ALL FLEXIBLE DUCT TO CEILING DIFFUSERS SHALL BE SAME SIZE AS DIFFUSER NECK.

30. CONTRACTOR SHALL BLANK-OFF ALL DUCTWORK SHOWN TO BE BLANKED-OFF WITH SAME GAUGE METAL AS EXISTING DUCT. INSULATE DUCTS WITH SAME INSULATION MATERIAL AND THICKNESS AS EXISTING.

31. PROVIDE FIRE DAMPERS IN 1 HOUR OR GREATER FIRE WALLS. LINKAGE SHALL BE 165°F TYPE.

32. HOLD ALL DUCTWORK RUNNING PARALLEL TO A RATED WALL A MINIMUM OF 6" AWAY FROM THE WALL.

33. THERMOSTAT LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS. MOUNT THERMOSTATS 4'-0" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED.

34. MOUNT ALL THERMOSTATS MOUNTED ON EXTERIOR WALLS ON AN INSULATED SUB-BASE.

31. CONTRACTOR SHALL BE RESPONSIBLE FOR INTERFACING THE EXISTING SIEMENS TEMPERATURE CONTROLS WITH THE NEW ATC WORK. EXTRA CARE SHALL BE TAKEN WHEN REMOVING/RELOCATING THE EXISTING EQUIPMENT SO THAT THE EXISTING CONTROL COMPONENTS ARE NOT DAMAGED. RECONNECT THERMOSTATS TO THE ASSOCIATED EQUIPMENT AS REQUIRED.

32. CONTROL POWER: UNLESS OTHERWISE INDICATED, RESPONSIBILITY FOR ELECTRICAL POWER TO CONTROL SYSTEM COMPONENTS AND ACCESSORIES IS THE RESPONSIBILITY OF THE CONTROLS VENDOR OR INSTALLING SUB-CONTRACTOR. CONTROL POWER SHALL BE CONNECTED VIA SPACE AVAILABLE/DESIGNATED IN ELECTRICAL POWER PANELS OR DERIVED AT HVAC EQUIPMENT VIA THE USE OF CONTROL TRANSFORMERS. THE CONTROLS VENDOR/INSTALLING SUB-CONTRACTOR SHALL:

32.A. PROVIDE POWER CONNECTIONS TO EXISTING ELECTRICAL POWER PANEL(S) USING EXISTING SPARE OR DESIGNATED CIRCUIT BREAKER(S). IF SPARE/DESIGNATED CIRCUIT BREAKERS DO NOT EXIST, PROVIDE COMPATIBLE, REQUIRED CIRCUIT BREAKER(S) IN ELECTRICAL PANEL(S) THAT ARE PART OF THIS PROJECT.

32.B. USE CONTROL TRANSFORMERS PROVIDED IN HVAC EQUIPMENT AND TERMINAL UNITS AS APPROPRIATE. PROVIDE REQUIRED CONTROL TRANSFORMERS THAT ARE NOT PART OF PACKAGED EQUIPMENT OR TERMINAL UNITS.

32.C. PROVIDE POWER FOR CONTROL COMPONENTS, ACTUATORS, PANELS, AND ACCESSORIES FOR A FULLY FUNCTIONAL AND OPERATIONAL CONTROL SYSTEM.

32.D. WIRING ABOVE 24-VOLTS SHALL BE INSTALLED ACCORDING TO THE ELECTRICAL REQUIREMENTS FOR THIS PROJECT AND THE NATIONAL ELECTRICAL CODE - CURRENT VERSION IN EFFECT FOR THIS JURISDICTION. CONTROL WIRING NOT INSTALLED IN CONDUIT SHALL BE PLENUM RATED CABLE.

33. THERMOSTATS SHALL BE COMPATIBLE WITH EXISTING ATC SYSTEM.

34. VAV BOX SEQUENCE OF OPERATION SHALL MATCH EXISTING BASE BUILDING SEQUENCE.

35. NEW AND RELOCATED VAV BOXES SHALL HAVE GRAPHICS AND POINTS ADDED OR UPDATED ON EXISTING BUILDING MANAGEMENT SYSTEM TO MATCH EXISTING VAV BOXES. REQUIRED POINTS AND GRAPHICS SHALL BE COORDINATED WITH BUILDING OWNER.

36. FOR TERMINAL UNITS WITH A FAN CAPACITY OF 2,000 CFM OR LESS, THE TERMINAL UNIT FAN SHALL BE INTERLOCKED WITH THE SMOKE DETECTOR(S) THAT CONTROL THE AIR HANDLING UNIT SERVING THE TERMINAL UNIT. IF THE AIR HANDLING UNIT IS DE-ENERGIZED BY THE SMOKE DETECTOR, THE TERMINAL UNIT SHALL BE DE-ENERGIZED AS WELL.

37. UNIT HEATERS, BASE BOARD HEATERS: INTERLOCK UNITS WITH BUILDING BMS. BMS SHALL INDEX UNITS INTO OCCUPIED AND UNOCCUPIED MODE.

MECHANICAL SYMBOLS

- SUPPLY AIR DEVICE
- RETURN AIR DEVICE
- EXHAUST AIR DEVICE
- REMOVE EXISTING
- EXISTING TO REMAIN
- NEW WORK
- FLEXIBLE DUCTWORK
- SOUND LINED DUCT
- FLEXIBLE CONNECTION
- ELBOW WITH TURNING VANES
- FD — FIRE DAMPER (FD)
- VD — VOLUME DAMPER (V.D.)
- AIR OUT OF AIR TERMINAL
- AIR INTO AIR TERMINAL
- U — DOOR UNDERCUT
- T — THERMOSTAT
- T R — RELOCATED THERMOSTAT
- Ø — ROUND
- POINT OF CONNECTION NEW TO EXISTING
- LIMIT OF REMOVAL
- (E) — EXISTING
- # — SHEET NOTE INDICATOR
- (#) # 40 — (QUANTITY IF INDICATED) SUPPLY AIR DEVICE DESIGNATION; (CFM INDICATED)
- (#) # 40 — (QUANTITY IF INDICATED) RETURN AIR DEVICE DESIGNATION; (CFM INDICATED IF REQUIRED)
- (#) # 40 — (QUANTITY IF INDICATED) EXHAUST AIR DEVICE DESIGNATION; (CFM INDICATED IF REQUIRED)
- ## / # — VAV BOX TYPE; VAV BOX NECK SIZE; VAV BOX KW

MECHANICAL ABBREVIATIONS

AABC	ASSOCIATED AIR BALANCE COUNCIL
ABV	ABOVE
AC	AIR CONDITIONER
APD	AIR PRESSURE DROP
ARCH	ARCHITECTURAL
AHRI	AIR CONDITIONING, HEATING, AND REFRIGERATION INSTITUTE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BTUH	BRITISH THERMAL UNITS PER HOUR
CFM	CUBIC FEET PER MINUTE
CU	CONDENSING UNIT
DB	DRY BULB
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
°F	DEGREES FAHRENHEIT
FD	FIRE DAMPER
FT	FEET
HP	HORSEPOWER
IN	INCHES
KW	KILOWATTS
LBS	POUNDS
LF	LINEAR FEET
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPS
MIN	MINIMUM
MBH	THOUSAND BTU PER HOUR
MOCP	MAXIMUM OVER-CURRENT PROTECTION
NC	NOISE CRITERION
NEBB	NATIONAL ENVIRONMENTAL BALANCING BUREAU
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
PH	PHASE
RPM	REVOLUTIONS PER MINUTE
SMACNA	SHEET METAL AND AIR-CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION
SP	STATIC PRESSURE
TAD	TRANSFER AIR DUCT
TAO	TRANSFER AIR OPENING
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
V	VOLTS
VAV	VARIABLE AIR VOLUME
W/	WITH
WB	WET BULB
WG	WATER GAUGE

DRAWING LIST - MECHANICAL

M1.0	COVER SHEET - MECHANICAL
M2.1	LEVEL 1 - DEMOLITION - MECHANICAL
M2.2	LEVEL 2 - DEMOLITION - MECHANICAL
M2.3	LEVEL 3 - DEMOLITION - MECHANICAL
M2.9	LEVEL 9 - DEMOLITION - MECHANICAL
M3.0	GARAGE PLANS - MECHANICAL
M3.1	LEVEL 1 - NEW WORK - MECHANICAL
M3.2	LEVEL 2 - NEW WORK - MECHANICAL
M3.3	LEVEL 3 - NEW WORK - MECHANICAL
M3.4	LEVEL 4 - NEW WORK - MECHANICAL
M3.9	LEVEL 9 - NEW WORK - MECHANICAL
M4.0	SCHEDULES - MECHANICAL
M5.0	VENTILATION CALCULATIONS - MECHANICAL

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COVER SHEET - MECHANICAL

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M1.0

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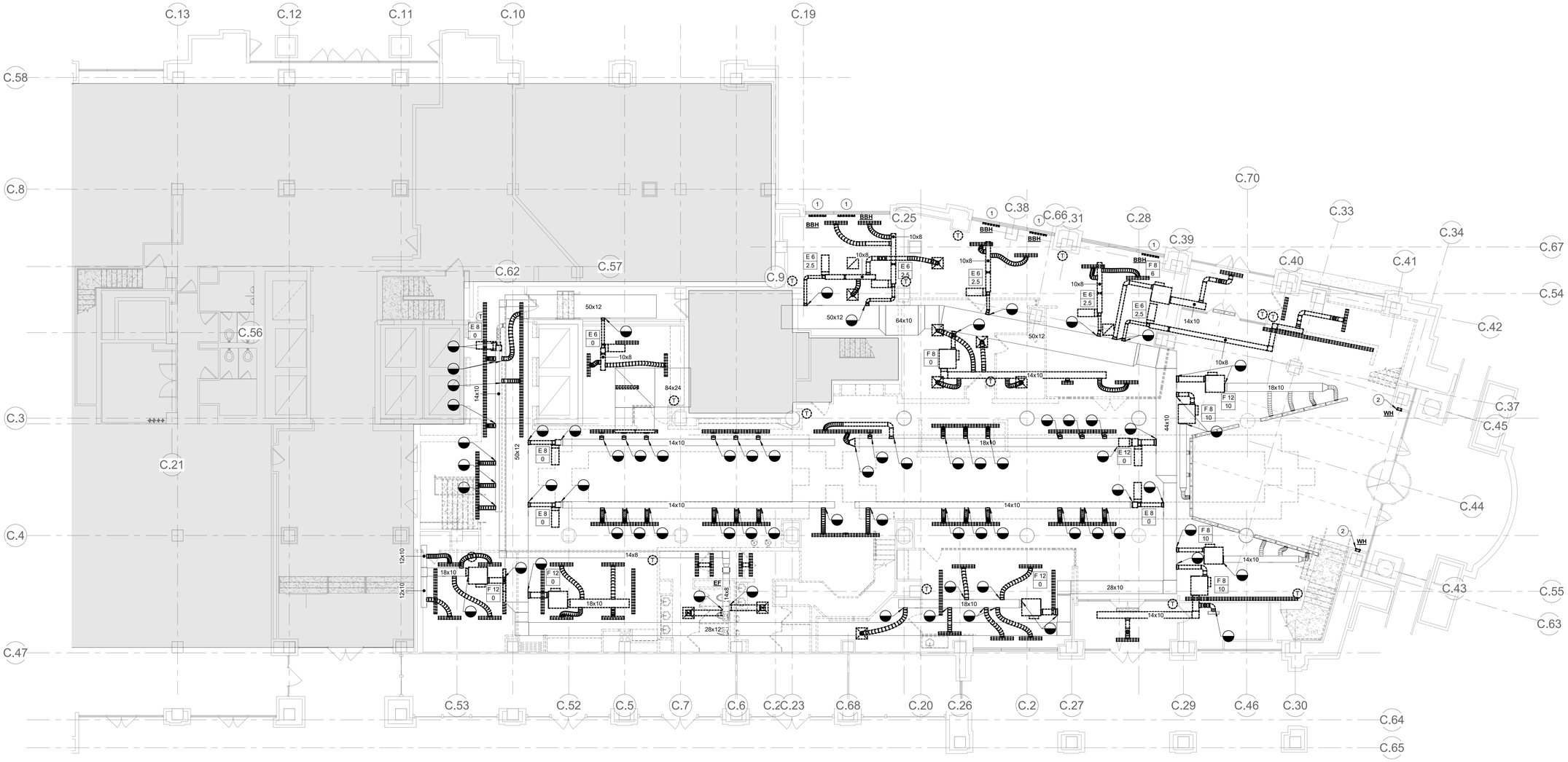

LEVEL 1 - DEMOLITION - MECHANICAL

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

# KEY NOTES #	GENERAL NOTES
1 REMOVE EXISTING BASE BOARD HEATER, ALONG WITH EXISTING WIRING AND CONTROLS. 2 REMOVE EXISTING WALL HEATER, ALONG WITH ASSOCIATED CONTROLS.	1. NO WORK IN SOLID SHADED AREAS. 2. ALL DEMOLISHED MECHANICAL EQUIPMENT TO BE RETURNED TO BUILDING OWNER UNLESS NOTED OTHER WISE. REMOVE ALL DUCTWORK, HANGERS, AND ASSOCIATED CONTROLS. 3. CONTRACTOR SHALL REMOVE ALL CEILING MOUNTED AIR DEVICES WHERE ARCHITECTURAL DRAWINGS INDICATED DEMOLITION OF CEILING GRID. REMOVE ASSOCIATED FLEX DUCT, HANGERS, AND BRANCH DUCTWORK BACK TO LOW PRESSURE DUCTWORK. CAP AND SEAL AT LOW PRESSURE DUCTWORK AS REQUIRED.

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

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LEVEL 1 - DEMOLITION - MECHANICAL

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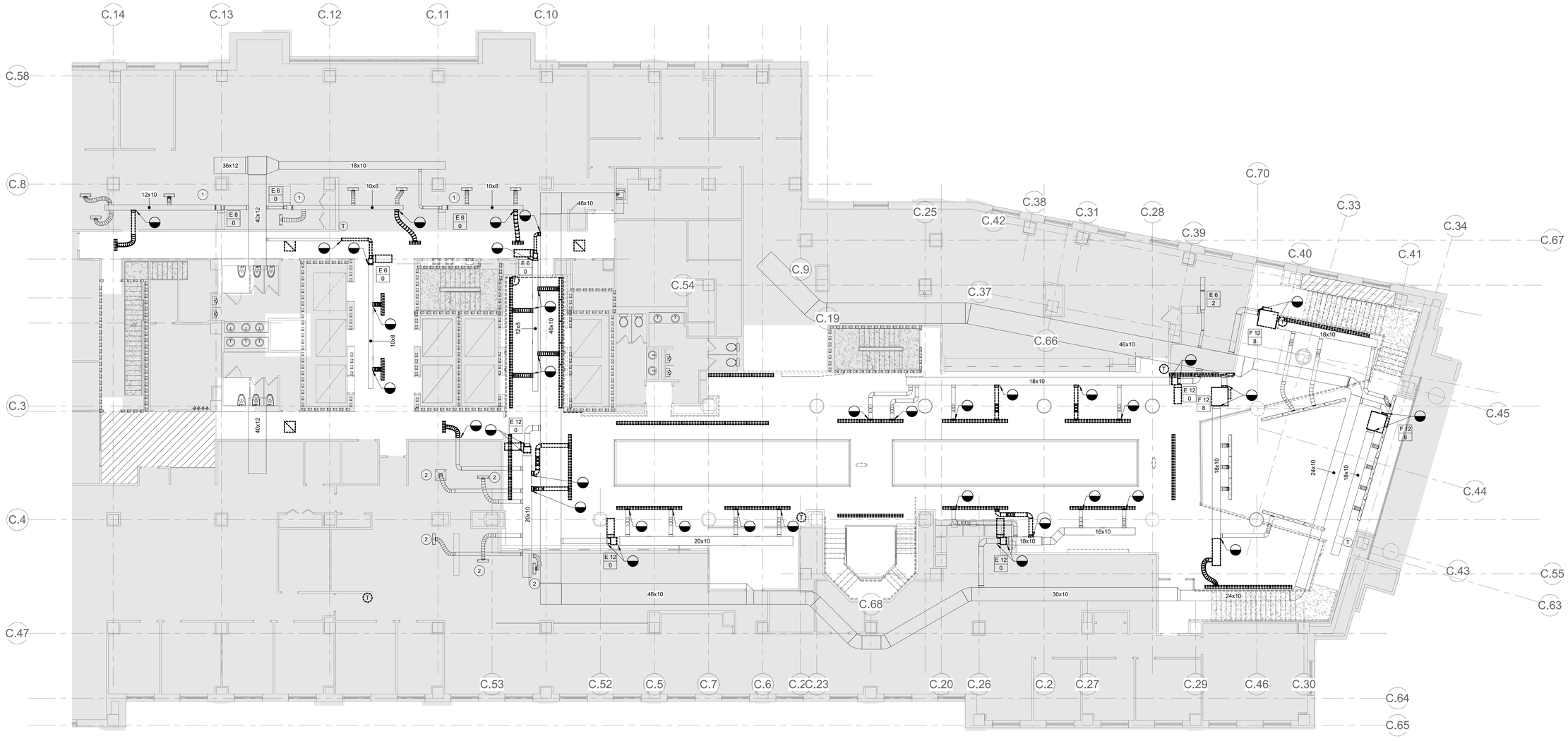

LEVEL 2 - DEMOLITION - MECHANICAL

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

# KEY NOTES #	GENERAL NOTES
1 PRIOR TO DEMOLITION, MEASURE AND RECORD AIRFLOW OF DOWNSTREAM AIR DEVICES. 2 PRIOR TO DEMOLITION, MEASURE AND RECORD AIR DEVICE AIRFLOW VALUE.	1. NO WORK IN SOLID SHADED AREAS. 2. ALL DEMOLISHED MECHANICAL EQUIPMENT TO BE RETURNED TO BUILDING OWNER UNLESS NOTED OTHER WISE. REMOVE ALL DUCTWORK, HANGERS, AND ASSOCIATED CONTROLS. 3. CONTRACTOR SHALL REMOVE ALL CEILING MOUNTED AIR DEVICES WHERE ARCHITECTURAL DRAWINGS INDICATED DEMOLITION OF CEILING GRID. REMOVE ASSOCIATED FLEX DUCT, HANGERS, AND BRANCH DUCTWORK BACK TO LOW PRESSURE DUCTWORK. CAP AND SEAL AT LOW PRESSURE DUCTWORK AS REQUIRED.

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LEVEL 2 - DEMOLITION - MECHANICAL

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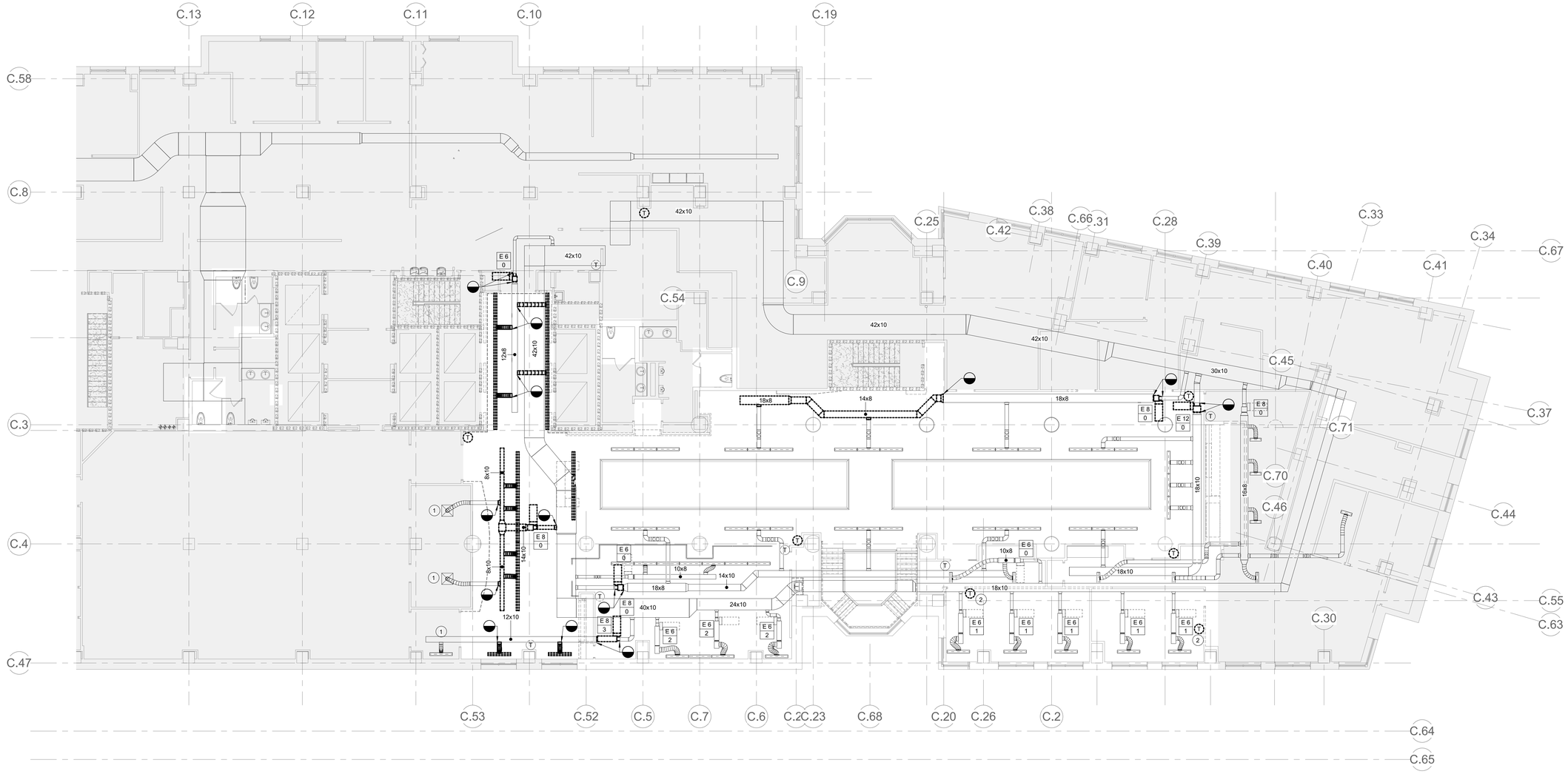

LEVEL 3 - DEMOLITION - MECHANICAL

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

# KEY NOTES #	GENERAL NOTES
1 PRIOR TO DEMOLITION, MEASURE AND RECORD AIR DEVICE AIRFLOW VALUE. 2 RELOCATE THERMOSTAT. EXTEND CONTROL WIRING AS REQUIRED. SEE NEW WORK PLAN FOR NEW LOCATION.	1. NO WORK IN SOLID SHADED AREAS. 2. ALL DEMOLISHED MECHANICAL EQUIPMENT TO BE RETURNED TO BUILDING OWNER UNLESS NOTED OTHER WISE. REMOVE ALL DUCTWORK, HANGERS, AND ASSOCIATED CONTROLS. 3. CONTRACTOR SHALL REMOVE ALL CEILING MOUNTED AIR DEVICES WHERE ARCHITECTURAL DRAWINGS INDICATED DEMOLITION OF CEILING GRID. REMOVE ASSOCIATED FLEX DUCT, HANGERS, AND BRANCH DUCTWORK BACK TO LOW PRESSURE DUCTWORK. CAP AND SEAL AT LOW PRESSURE DUCTWORK AS REQUIRED.

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LEVEL 3 - DEMOLITION - MECHANICAL

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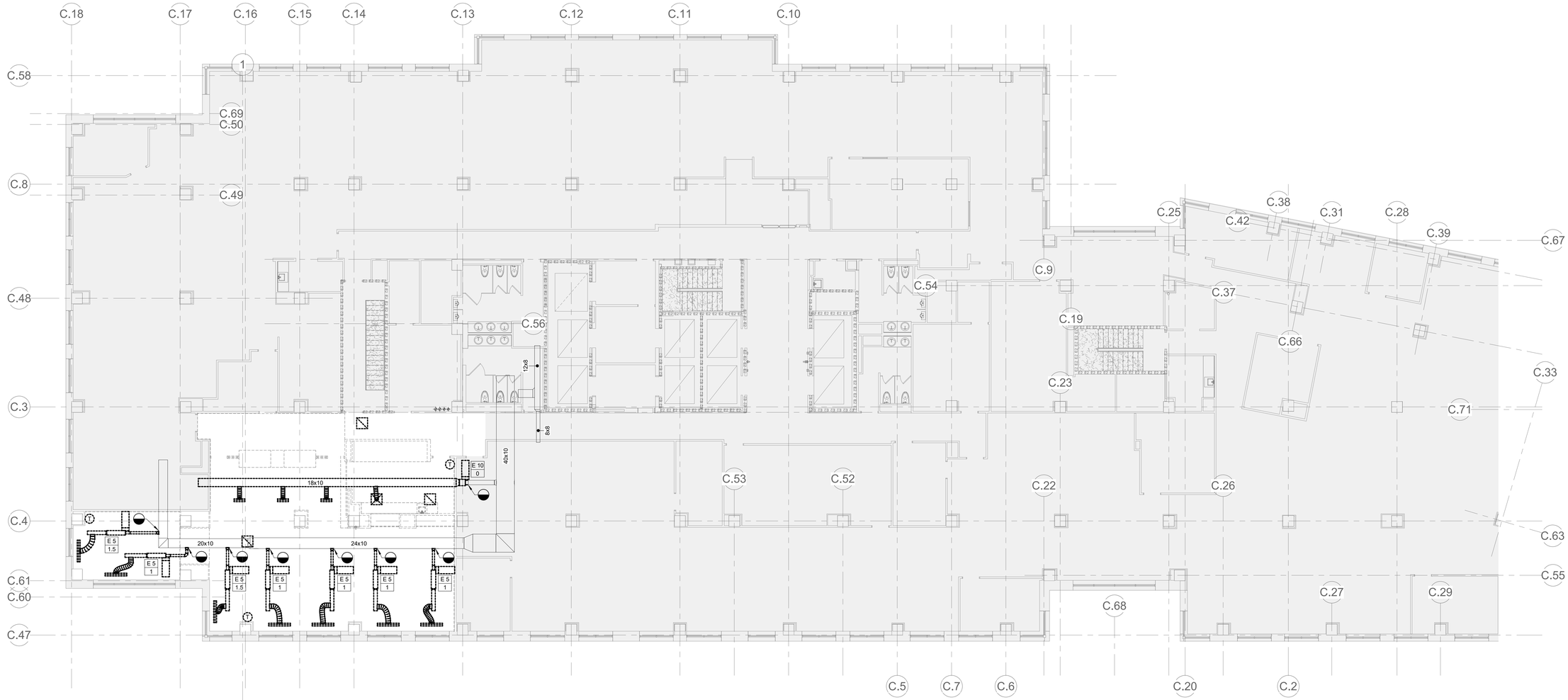

LEVEL 9 - DEMOLITION - MECHANICAL

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

# KEY NOTES #	GENERAL NOTES
	1. NO WORK IN SOLID SHADED AREAS. 2. ALL DEMOLISHED MECHANICAL EQUIPMENT TO BE RETURNED TO BUILDING OWNER UNLESS NOTED OTHER WISE. REMOVE ALL DUCTWORK, HANGERS, AND ASSOCIATED CONTROLS. 3. CONTRACTOR SHALL REMOVE ALL CEILING MOUNTED AIR DEVICES WHERE ARCHITECTURAL DRAWINGS INDICATED DEMOLITION OF CEILING GRID. REMOVE ASSOCIATED FLEX DUCT, HANGERS, AND BRANCH DUCTWORK BACK TO LOW PRESSURE DUCTWORK. CAP AND SEAL AT LOW PRESSURE DUCTWORK AS REQUIRED.

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LEVEL 9 - DEMOLITION - MECHANICAL

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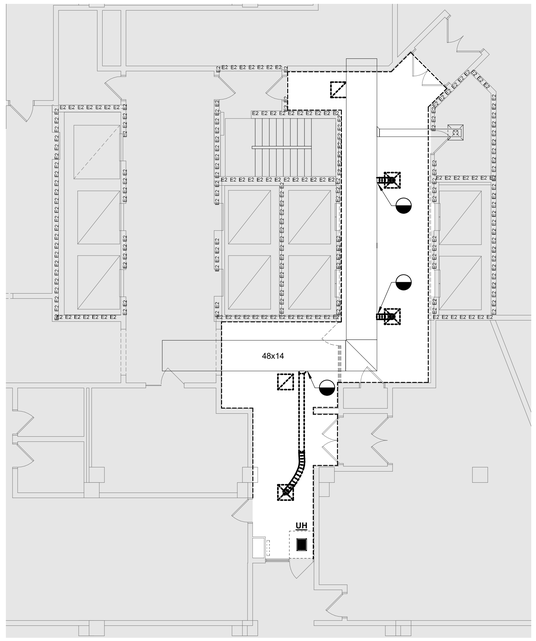
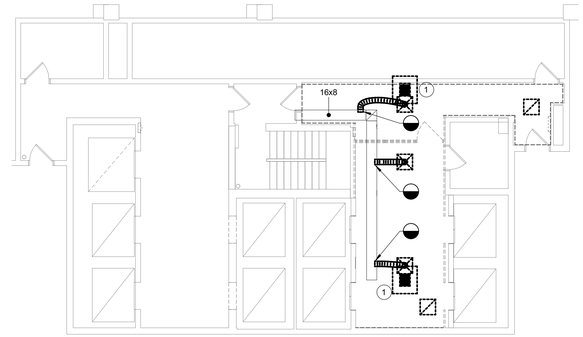
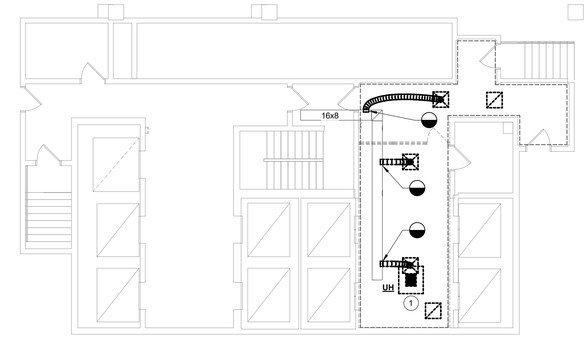


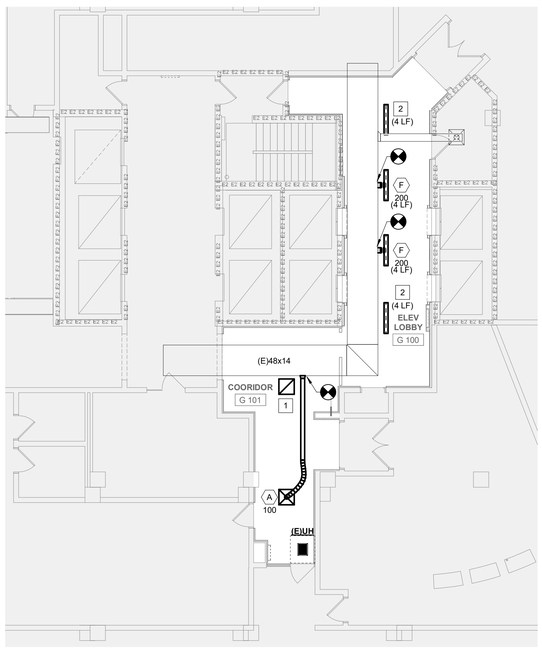
PARTIAL G1 LEVEL DEMOLITION PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



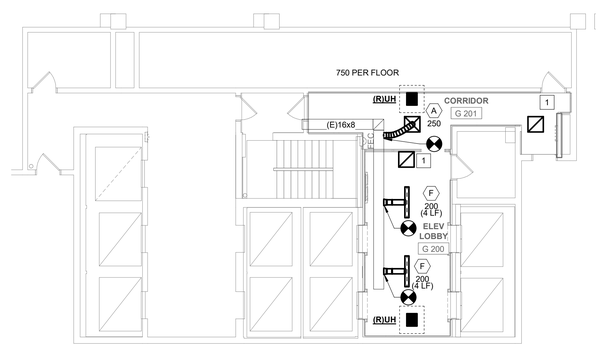
PARTIAL G2 LEVEL DEMOLITION PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



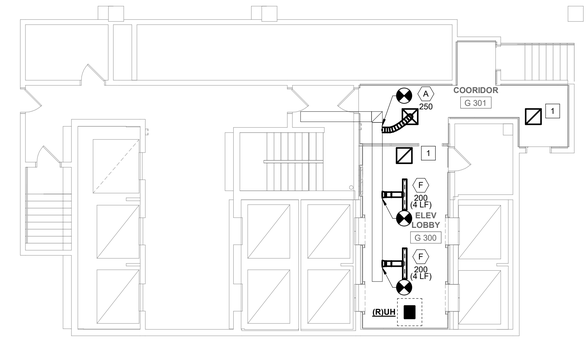
PARTIAL G3 LEVEL DEMOLITION PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



PARTIAL G1 LEVEL NEW WORK PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



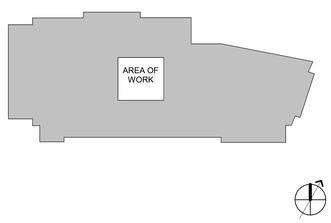
PARTIAL G2 LEVEL NEW WORK PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"



PARTIAL G3 LEVEL NEW WORK PLAN - MECHANICAL
SCALE: 1/8" = 1'-0"

# KEY NOTES #	GENERAL NOTES
1 RELOCATE EXISTING CEILING UNIT HEATER. SEE NEW WORK PLAN FOR NEW LOCATION.	1. NO WORK IN SOLID SHADED AREAS. 2. ALL DEMOLISHED MECHANICAL EQUIPMENT TO BE RETURNED TO BUILDING OWNER UNLESS NOTED OTHER WISE. REMOVE ALL DUCTWORK, HANGERS, AND ASSOCIATED CONTROLS. 3. CONTRACTOR SHALL REMOVE ALL CEILING MOUNTED AIR DEVICES WHERE ARCHITECTURAL DRAWINGS INDICATED DEMOLITION OF CEILING GRID. REMOVE ASSOCIATED FLEX DUCT, HANGERS, AND BRANCH DUCTWORK BACK TO LOW PRESSURE DUCTWORK. CAP AND SEAL AT LOW PRESSURE DUCTWORK AS REQUIRED.

KEY PLAN
NOT TO SCALE



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GARAGE PLANS - MECHANICAL

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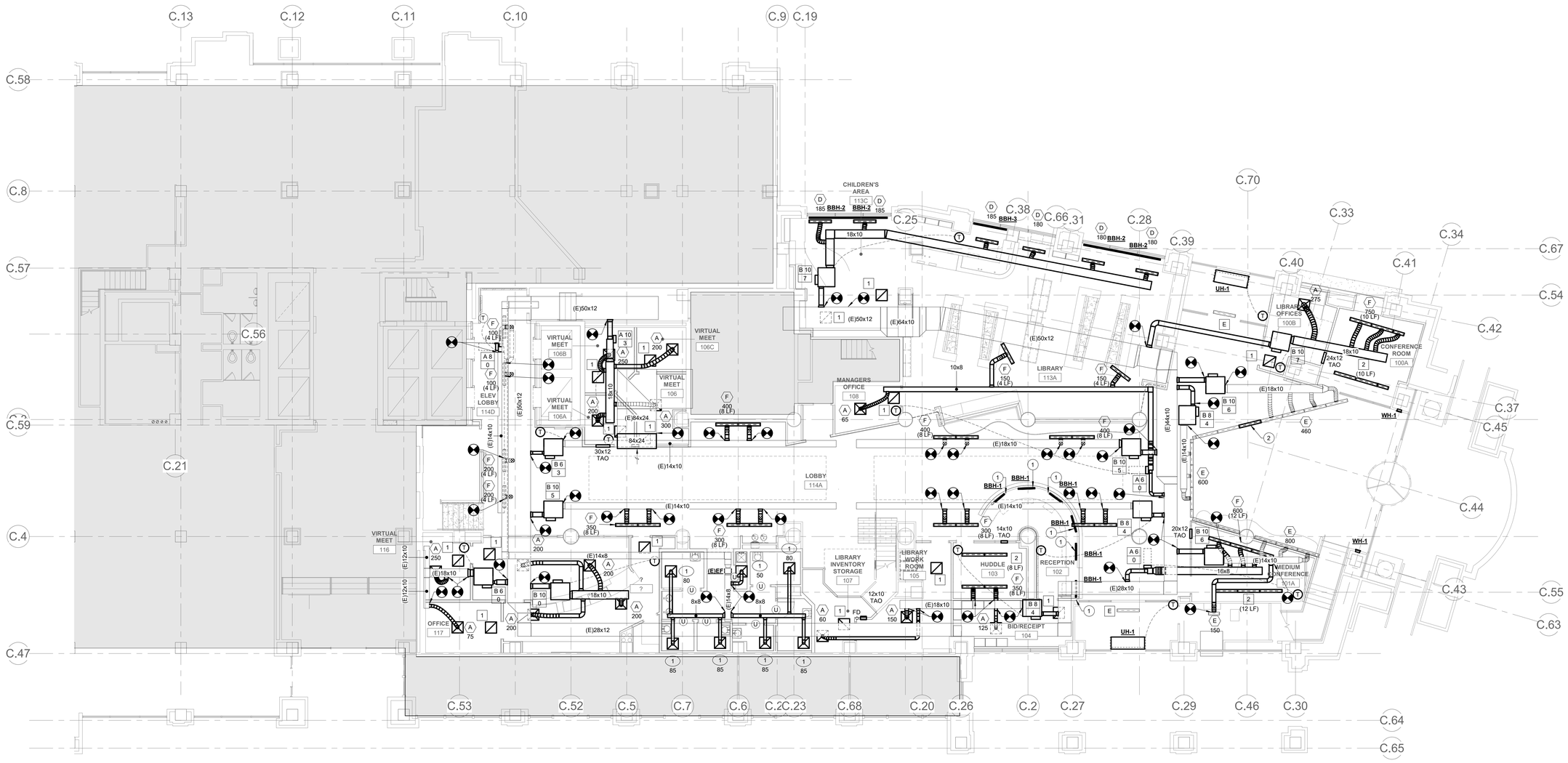

LEVEL 1 - NEW WORK - MECHANICAL

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

KEY NOTES	GENERAL NOTES
1 INSTALL BASE BOARD HEATER BENEATH DESK. COORDINATE LOCATION IN FIELD. 2 PROVIDE ARCHITECTURAL BLANK OFF SECTION TO MATCH EXISTING SIDE WALL LINEAR DIFFUSER AT LOCATION WHERE COLUMN REMOVED. COORDINATE EXACT LOCATION IN FIELD.	1. NO WORK IN SOLID SHADED AREAS.

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1 PERMIT CHANGES 4/16/20

LEVEL 1 - NEW WORK - MECHANICAL

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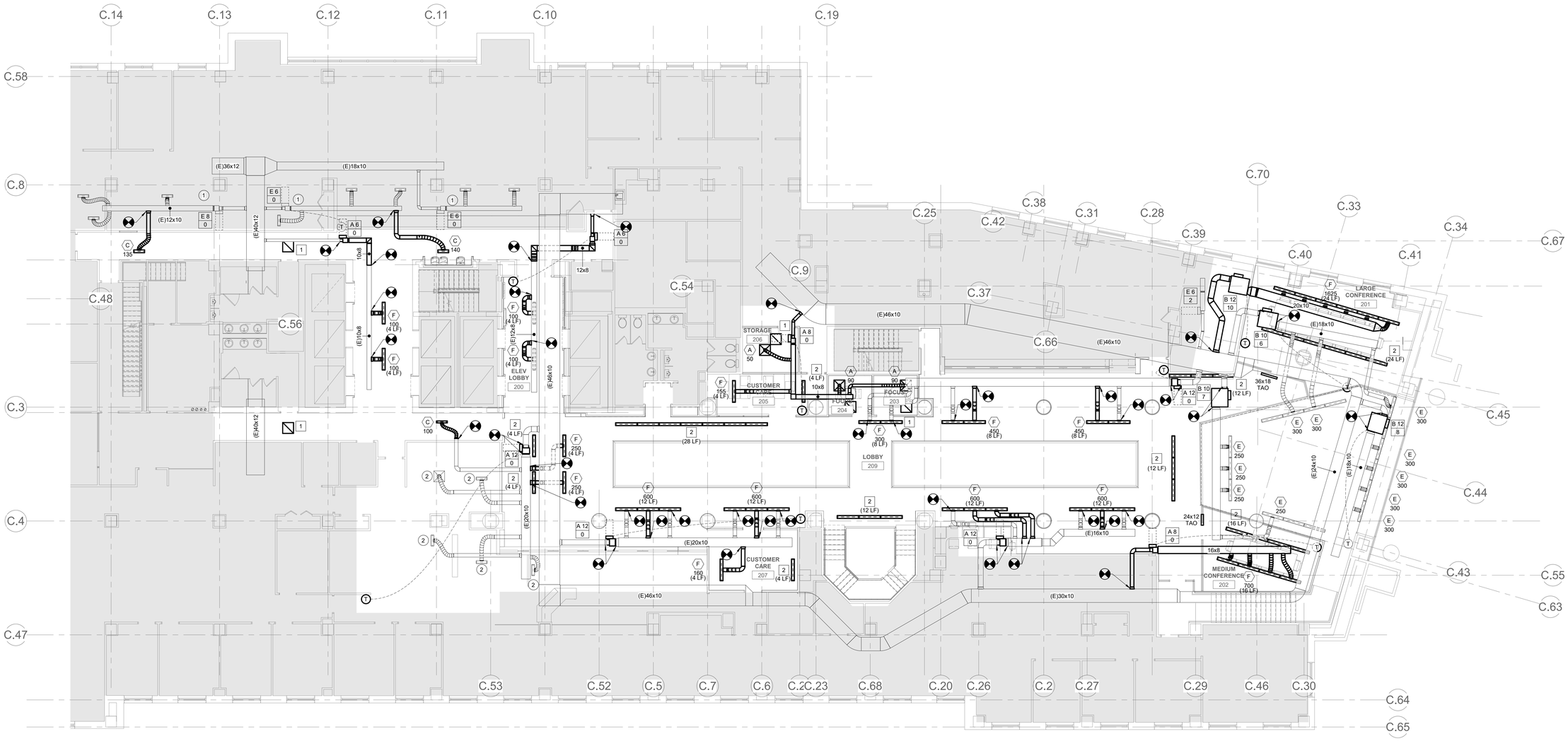

LEVEL 2 - NEW WORK - MECHANICAL

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

# KEY NOTES #	GENERAL NOTES
1 REBALANCE DOWNSTREAM AIR DEVICES TO PREVIOUSLY RECORDED AIRFLOW VALUES. 2 REBALANCE AIR DEVICE TO PREVIOUSLY RECORDED AIRFLOW VALUE.	1. NO WORK IN SOLID SHADED AREAS.

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LEVEL 2 - NEW WORK - MECHANICAL

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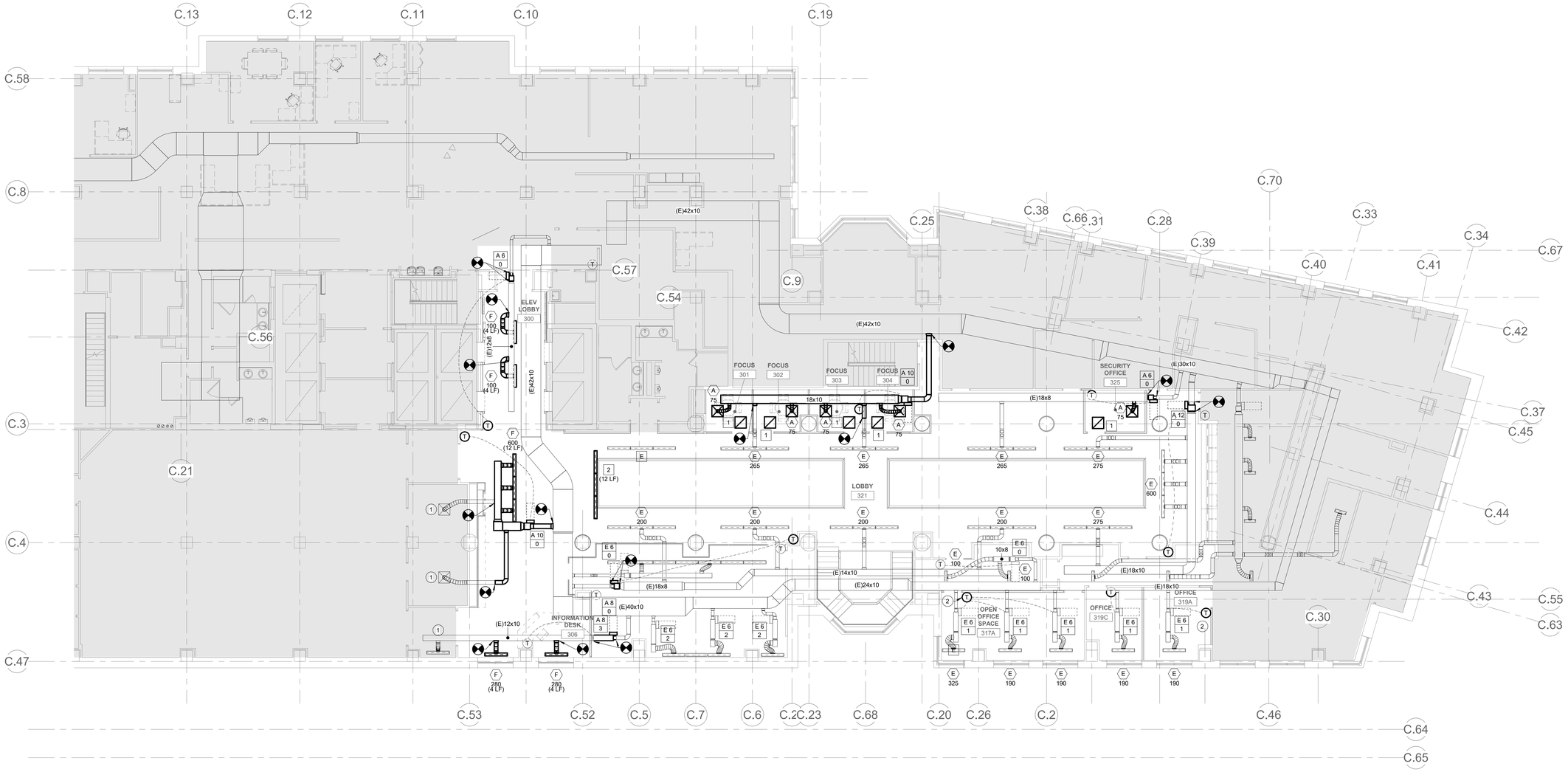

LEVEL 3 - NEW WORK - MECHANICAL

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

# KEY NOTES #	GENERAL NOTES
1 REBALANCE AIR DEVICE TO PREVIOUSLY RECORDED AIRFLOW VALUE. 2 RELOCATED THERMOSTAT.	1. NO WORK IN SOLID SHADED AREAS.

8' 4' 0' 8' 16'
GRAPHIC SCALE: 1/8" = 1'-0"

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Construction Documents for:

ARLINGTON COUNTY OFFICES RENOVATION

2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
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Revisions

1 PERMIT CHANGES 4/16/20

LEVEL 3 - NEW WORK - MECHANICAL

Scale **As indicated**
Drawn HWK
Checked KHB

M3.3

PERMIT

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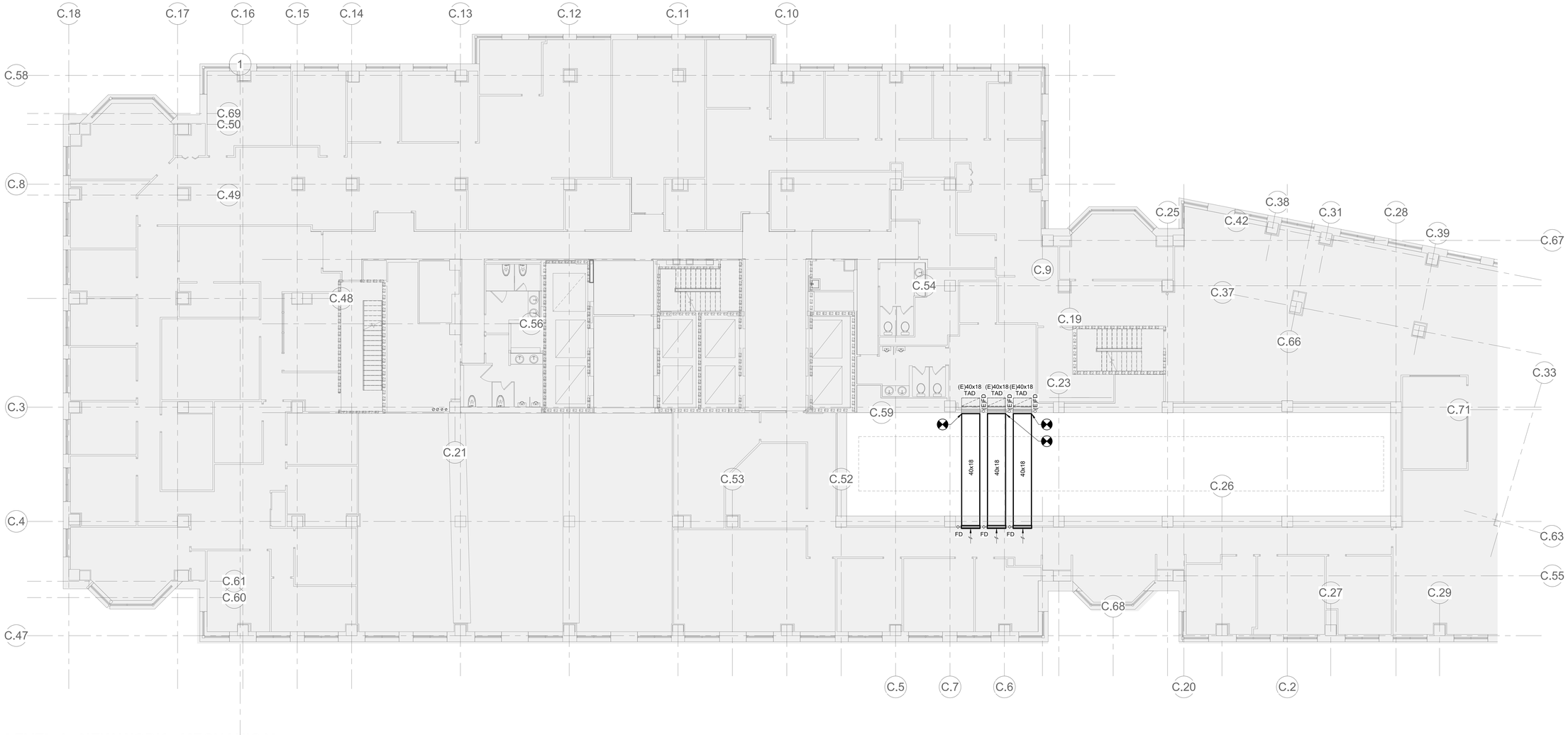

LEVEL 4 - NEW WORK - MECHANICAL

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

# KEY NOTES #	GENERAL NOTES
	1. NO WORK IN SOLID SHADED AREAS.

8' 4' 0' 8' 16'
GRAPHIC SCALE: 1/8" = 1'-0"

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LEVEL 4 - NEW WORK - MECHANICAL

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LEVEL 9 - NEW WORK - MECHANICAL

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

# KEY NOTES #	GENERAL NOTES
	1. NO WORK IN SOLID SHADED AREAS.

8' 4' 0' 8' 16'
GRAPHIC SCALE: 1/8" = 1'-0"

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LEVEL 9 - NEW WORK - MECHANICAL

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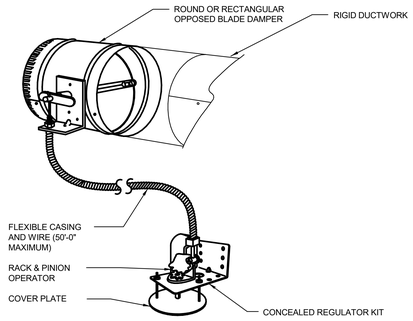
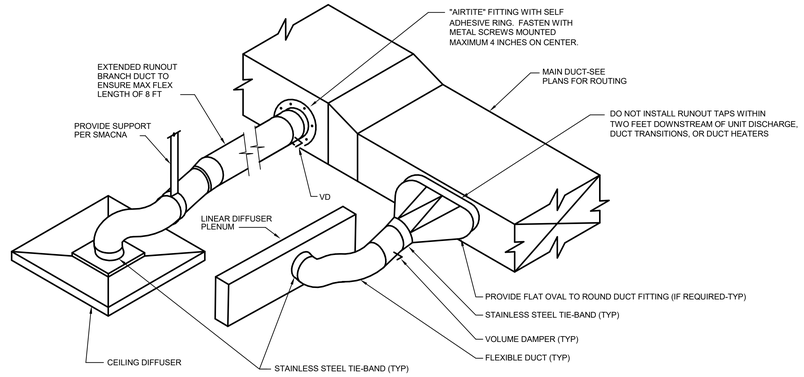


NOTE:

1. COORDINATE EXACT LOCATION OF CEILING MOUNTED CONCEALED REGULATOR WITH OWNER REPRESENTATIVE PRIOR TO INSTALLATION.
2. PROVIDE REPLACEMENT COVER PLATES FOR BUILDING ATTIC STOCK. COORDINATE EXACT QUANTITY WITH OWNER REPRESENTATIVE.

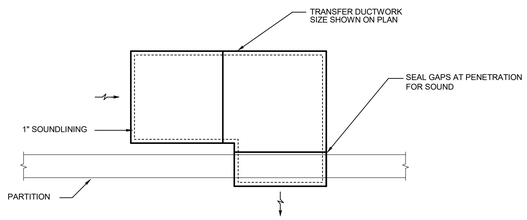
REMOTE VOLUME DAMPER REGULATOR DETAIL

NO SCALE



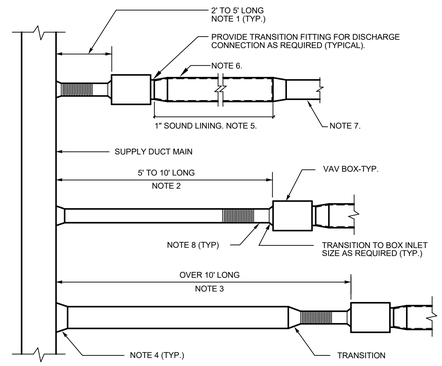
CEILING DIFFUSER CONNECTION DETAIL

NO SCALE



TRANSFER DUCT DETAIL

NO SCALE



NOTES:

1. PROVIDE 2' MIN. STRAIGHT FLEXIBLE DUCT AT BOX INLET (TYPICAL).
2. PROVIDE 5' MAX. FLEXIBLE DUCT OF STANDARD INLET DUCT SIZE PLUS SHEET METAL DUCT OF STANDARD INLET DUCT SIZE FOR COMBINED LENGTH UP TO 10' MAX (SEE SCHEDULE FOR SIZES).
3. PROVIDE 5' MAX. FLEXIBLE DUCT OF STANDARD INLET DUCT SIZE PLUS SHEET METAL DUCT OF INCREASED INLET DUCT SIZE FOR COMBINED LENGTH OVER 10' LONG (SEE SCHEDULE FOR SIZES).

STANDARD INLET DUCT SIZE	5" DIA.	6" DIA.	8" DIA.	10" DIA.	12" DIA.
INCREASED INLET DUCT SIZE	6" DIA.	8" DIA.	10" DIA.	12" DIA.	14x12

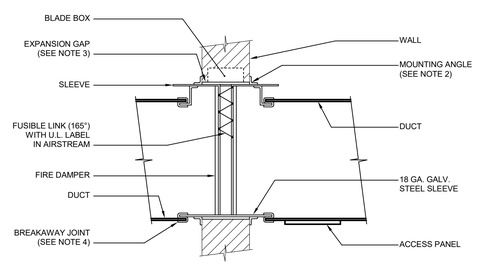
4. PROVIDE RECTANGULAR TO ROUND, CONICAL TAP, OR EQUIVALENT AT EACH CONNECTION TO SUPPLY DUCT MAIN.
5. RUN LINING FOR 10 FT. OR THRU FIRST ELBOW (TYPICAL).
6. SEE SCHEDULE FOR LOW PRESSURE DUCT SIZE

STANDARD INLET DUCT SIZE	5" DIA.	6" DIA.	8" DIA.	10" DIA.	12" DIA.
LOW PRESSURE DUCT SIZE	10x6	10x8	16x8	18x10	24x10

7. PROVIDE DOWNSTREAM TRANSITION WHERE SHOWN ON PLANS (TYPICAL).
8. PROVIDE MINIMUM 2-1/2 DUCT DIAMETERS OF STRAIGHT DUCT FOR COMPLIANCE WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS (TYP).

VAV BOX DETAIL

NO SCALE

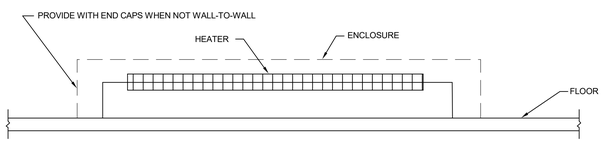


NOTES

1. FIRE DAMPER AND SLEEVE SHALL BE A FACTORY INSTALLED ASSEMBLY BY THE DAMPER MANUFACTURER.
2. MOUNTING ANGLES SHALL BE INSTALLED ON ALL SIDES OF DAMPER SLEEVE BOTH SIDES OF WALL. ANGLES SHALL NOT OVERLAP EACH OTHER AT CORNERS. ANGLE SHALL BE INSTALLED TIGHT TO WALL AND SECURED TO SLEEVE ONLY WITH 1/4" - 20 BOLTS MAX. 6" ON CENTERS. ANGLES SHALL BE MIN. 1-1/2" x 1-1/2" x 16 GAUGE STEEL.
3. PROVIDE EXPANSION GAP BETWEEN WALL AND SLEEVE. GAP SHALL BE A MINIMUM OF 1/8" FOR EVERY 12" OF SLEEVE WIDTH AND 1/8" FOR EVERY 12" OF SLEEVE DEPTH, OR PER DAMPER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. PROVIDE BREAKAWAY JOINT BETWEEN SLEEVE AND DUCT WITH STANDARD SLIP CONNECTOR (NO SCREWS ARE ALLOWED) ON BOTH SIDES OF WALL.
5. WHERE THIS DETAIL CONFLICTS WITH THE DAMPER MANUFACTURER'S INSTALLATION INSTRUCTIONS, THE MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED.
6. CONTRACTOR SHALL NOTE MANUFACTURER'S INSTALLATION STICKERS ON DAMPER. STICKERS SHALL NOT BE REMOVED OR TAMPERED WITH.

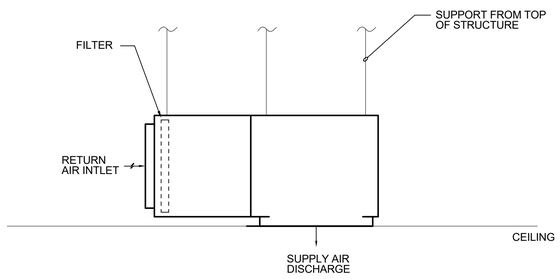
FIRE DAMPER DETAIL-WALL INSTALLATION

NO SCALE



BASE BOARD HEATER DETAIL

NO SCALE



UNIT HEATER DETAIL

NOT TO SCALE

AIR TERMINAL UNIT SCHEDULE

A# / KW — SHUT-OFF VAV BOX

PRIMARY AIR (#) INLET SIZE	PRIMARY AIR MAXIMUM CFM	MAXIMUM HEIGHT	NOTES:
6" DIA.	400	10"	1,2,3,4,5,12
8" DIA.	700	12-1/2"	1,2,3,4,5,12
10" DIA.	1100	13-1/2"	1,2,3,4,5,12
12" DIA.	1600	15-1/2"	1,2,3,4,5,12

B# / KW — PARALLEL FAN-POWERED VAV BOX

PRIMARY AIR (#) INLET SIZE	PRIMARY AIR MAXIMUM CFM	FAN CFM	FAN HP	MAXIMUM HEIGHT	NOTES:
6" DIA.	400	240	1/6	17-1/2"	1,2,3,5,6,7,8,9,13
8" DIA.	700	420	1/4	17-1/2"	1,2,3,5,6,7,8,9,13
10" DIA.	1100	660	1/3	19"	1,2,3,5,6,7,8,9,13
12" DIA.	1600	960	1/2	19"	1,2,3,5,6,7,8,9,13

E# / KW	EXISTING SHUT-OFF VAV BOX	NOTES:
		3,4,11

F# / KW	EXISTING PARALLEL FAN-POWERED VAV BOX	NOTES:
		3,8,9,11

NOTES:

1. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. MAXIMUM PRESSURE DROP SHALL NOT EXCEED 0.3 IN. WG.
3. ADJUST MAXIMUM PRIMARY AIR TO TOTAL ADD-UP CFM.
4. (COOLING ONLY): ADJUST MINIMUM TO 20% OF MAXIMUM. (WITH REHEAT): ADJUST MINIMUM PRIMARY AIR TO 25% OF MAXIMUM OR 50 CFM PER KW, WHICHEVER IS GREATER.
5. ELECTRIC HEATERS SHALL BE 277V/1PH FOR UNITS BELOW 4KW & 480V/3PH FOR UNITS 4KW & UP.
6. FAN MOTORS SHALL BE 277V/1PH.
7. FAN EXTERNAL STATIC PRESSURE SHALL BE A MINIMUM 0.3 IN WG. (PRESSURE DROP DOES NOT INCLUDE FILTER, HEATING COIL OR BOX LOSSES.)
8. REPLACE INLET FILTER AT END OF CONSTRUCTION.
9. ADJUST MINIMUM PRIMARY AIR TO 20% OF MAXIMUM. ADJUST FAN TO 60% OF MAXIMUM.
10. ADJUST MINIMUM PRIMARY AIR TO 25% OF MAXIMUM. ADJUST FAN TO TOTAL ADD-UP CFM.
11. FIELD VERIFY HEATER VOLTAGE AND KW (IF APPLICABLE).
12. HEATERS LARGER THAN 4 KW SHALL BE A MINIMUM OF TWO-STAGE CONTROL, AND STAGES OF CONTROL SHALL BE IN MAXIMUM OF 4 KW INCREMENTS.
13. HEATERS SHALL HAVE SCR CONTROL.

AIR DEVICE SCHEDULE

(A) SQUARE PLAQUE FACE DIFFUSER (TITUS OMNI)

CFM RANGE	NECK	FACE	THROW	MAX APD	MAX NC	NOTES:
0-125	6" DIA.	24x24	4	0.1	25	1,2,3
126-250	8" DIA.	24x24	7	0.1	30	1,2,3
251-375	10" DIA.	24x24	10	0.1	35	1,2,3

(C) 2 FOOT LINEAR SLOT DIFFUSER 3/4" SLOT (TITUS ML-38 W/ MPI-38)

CFM RANGE	NECK	# SLOTS	THROW	MAX APD	MAX NC	NOTES:
0-100	6" DIA.	2	18	0.15	32	1,2,3
101-175	8" DIA.	3	25	0.15	35	1,2,3

(D) 4 FOOT LINEAR SLOT DIFFUSER 3/4" SLOT (TITUS ML-38 W/ MPI-38)

CFM RANGE	NECK	# SLOTS	THROW	MAX APD	MAX NC	NOTES:
0-200	8" DIA.	2	21	0.15	34	1,2,3

(F) LINEAR SLOT DIFFUSER 2" SLOT, CONTINUOUS (TITUS FL-20 W/ FBPI-20)

CFM/LF	# SLOTS	THROW	MAX APD	MAX NC	PLENUM SIZE	SUPPLY DUCT	NOTES:
0-80	1	17	0.17	23	6"x12"H	12" DIA., 4 FT O.C.	1,2,3

(E) EXISTING SUPPLY AIR DEVICE — NOTES: 2

[1] SQUARE PLAQUE FACE RETURN AIR DEVICE (TITUS OMNI)

CFM RANGE	NECK	FACE	THROW	MAX APD	MAX NC	NOTES:
0-500	15" DIA.	24x24	-	0.06	-	-

[2] LINEAR SLOT DIFFUSER 2" SLOT, CONTINUOUS (TITUS FL-20 W/ FBRI-20)

CFM/LF	# SLOTS	THROW	MAX APD	MAX NC	PLENUM SIZE	SUPPLY DUCT	NOTES:
0-115	1	-	0.1	17	-	-	1

[E] EXISTING RETURN AIR DEVICE

(1) SQUARE PLAQUE FACE EXHAUST AIR DEVICE (TITUS OMNI)

CFM RANGE	NECK	FACE	THROW	MAX APD	MAX NC	NOTES:
0-125	6" DIA.	24x24	-	0.1	-	1,2,3

NOTES:

1. PROVIDE FRAME AND/OR ACCESSORIES AS REQUIRED TO MATCH CEILING TYPE. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
2. BALANCE TO CFM INDICATED ON PLANS.
3. PROVIDE WITH VOLUME DAMPER AT AIRTITE FITTING.

UNIT HEATER SCHEDULE

DESIG.	MBTU/HR.	VOLTS	PHASE	KW	AMPS	DIMENSIONS	MODEL:	NOTES
UH-1	81.9	460	3	24.0	32.0	16"Hx72"Wx26"D	MARS: PH1072	1,2,3

NOTES:

1. UNIT SHALL BE FURNISHED w/BUILT-IN POWER DISCONNECT & THERMAL CUTOUT
2. UNIT SHALL BE FURNISHED w/CEILING MOUNT ENCLOSURE
3. UNIT SHALL BE FURNISHED WALL MOUNTED THERMOSTAT AND DOOR LIMIT SWITCH.

BASE BOARD HEATER SCHEDULE

DESIG.	WATTS	VOLTS	PHASE	AMPS	DIMENSIONS	PROTOTYPE: MARLEY	NOTES
BBH-1	375	208	1	1.8	3' LENGTH	BDBSL	ALL
BBH-2	875	208	1	4.2	7' LENGTH	BDBSL	ALL
BBH-3	750	208	1	3.6	6' LENGTH	BDBSL	ALL

NOTES:

1. UNIT SHALL BE FURNISHED w/BUILT-IN POWER DISCONNECT & THERMAL CUTOUT
2. UNIT SHALL BE FURNISHED w/REMOTE WALL MOUNTED TAMPERPROOF THERMOSTAT. COORDINATE QUANTITY WITH OWNER. (RANGE 45° TO 95°)
3. COORDINATE COLOR AND FINISH WITH ARCHITECT.

WALL HEATER SCHEDULE

DESIG.	WATTS	VOLTS	PHASE	AMPS	DIMENSIONS	PROTOTYPE: QMARK	NOTES
WH-1	4800	277	1	17.3	19.25"Hx15.85"Wx6.25"D	SSAR	ALL

NOTES:

1. UNIT SHALL BE FURNISHED w/BUILT-IN POWER DISCONNECT & THERMAL CUTOUT
2. UNIT SHALL BE FURNISHED w/REMOTE WALL MOUNTED TAMPERPROOF THERMOSTAT. COORDINATE QUANTITY WITH OWNER. (RANGE 45° TO 95°)
3. UNIT SHALL BE FURNISHED w/RECESSED MOUNTING FRAME.
4. COORDINATE COLOR AND FINISH WITH ARCHITECT.

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SCHEDULES - MECHANICAL

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OUTDOOR AIR REQUIRED FOR 1ST FLOOR

ROOM	SPACE DESIGNATION	SPACE TYPE (TABLE 403.3)	AREA	ZONE AIRFLOW	ZONE OUTDOOR AIRFLOW	ZONE AIR DISTRIBUTION EFFECTIVENESS	DEFAULT POPULATION DENSITY (TABLE 403.3)	ZONE POPULATION	PEOPLE OUTDOOR AIR RATE PER TABLE 403.3	REQUIRED OUTSIDE AIR CFM	REQUIRED VENTILATION AIR CFM
100A	Conference	CONFERENCE ROOM	227	750	75	0.8	50	12	5	75	225
100B	Office	OFFICE SPACE	150	275	28	0.8	5	3	5	19	56
101A	Conference	CONFERENCE ROOM	226	600	60	1.0	50	12	5	60	180
103	Huddle	CONFERENCE ROOM	129	350	35	1.0	50	7	5	35	105
104	Bid/Receipt	COPY, PRINTING ROOM	176	125	13	1.0	4	1	5	5	15
105	Work Room	COPY, PRINTING ROOM	217	150	15	1.0	4	1	5	5	15
106	Virtual Meet	CONFERENCE ROOM	117	300	30	1.0	50	6	5	30	90
106A	Virtual Meet	CONFERENCE ROOM	70	200	20	1.0	50	4	5	20	60
106B	Virtual Meet	CONFERENCE ROOM	96	250	25	1.0	50	5	5	25	75
106C	Virtual Meet	CONFERENCE ROOM	71	200	20	1.0	50	4	5	20	60
107	Storage	STORAGE ROOM	99	60	6	1.0	0	0	0	0	0
108	Office	OFFICE SPACE	88	65	7	1.0	5	1	5	5	15
115	Reception	RECEPTION AREA	533	800	80	1.0	30	16	5	80	240
116	Virtual Meet	CONFERENCE ROOM	92	250	25	1.0	50	5	5	25	75
117	Office	OFFICE SPACE	121	75	8	1.0	5	1	5	5	15
111	Corridor	CORRIDOR	141	75	8	1.0	0	0	0	0	0
113A	Library	LIBRARY	1,194	925	93	0.8	10	12	5	75	225
113C	Library	LIBRARY	366	370	37	0.8	10	4	5	25	75
114A	Lobby	MAIN ENTRY LOBBY	4,168	4,660	466	0.8	10	42	5	263	788
114D	Elevator Lobby	OFFICE SPACE	234	200	20	1.0	5	2	5	10	30

SYSTEM POPULATION (Ps) : 138 PEOPLE
SUM OF Pz : 138 PEOPLE
DIVERSITY (D) : 1.00
CALCULATION BASED ON 2015 VRC

SYSTEM PRIMARY AIRFLOW: 10,680

REQUIRED OUTDOOR AIR INTAKE FLOWRATE: 781
OUTDOOR AIR INTAKE PROVIDED: 1,540

OUTDOOR AIR REQUIRED FOR 3RD FLOOR

ROOM	SPACE DESIGNATION	SPACE TYPE (TABLE 403.3)	AREA	ZONE AIRFLOW	ZONE OUTDOOR AIRFLOW	ZONE AIR DISTRIBUTION EFFECTIVENESS	DEFAULT POPULATION DENSITY (TABLE 403.3)	ZONE POPULATION	PEOPLE OUTDOOR AIR RATE PER TABLE 403.3	REQUIRED OUTSIDE AIR CFM	REQUIRED VENTILATION AIR CFM
300	Elevator Lobby	OFFICE SPACE	266	200	20	1.0	5	2	5	10	30
301	Focus	OFFICE SPACE	63	75	8	1.0	5	1	5	5	15
302	Focus	OFFICE SPACE	69	75	8	1.0	5	1	5	5	15
303	Focus	OFFICE SPACE	69	75	8	1.0	5	1	5	5	15
304	Focus	OFFICE SPACE	62	75	8	1.0	5	1	5	5	15
306	Information	OFFICE SPACE	289	280	28	0.8	5	3	5	19	56
321	Lobby	MAIN ENTRY LOBBY	3,239	3,905	391	1.0	10	33	5	165	495
317	Voting	OFFICE SPACE	148	200	20	1.0	5	1	5	5	15
317A	Open Office	OFFICE SPACE	304	705	71	0.8	5	3	5	19	56
319C	Office	OFFICE SPACE	119	190	19	0.8	5	1	5	6	19
319A	Office	OFFICE SPACE	146	190	19	0.8	5	1	5	6	19
325	Security Office	OFFICE SPACE	77	75	8	1.0	5	1	5	5	15
	Existing Office Space	OFFICE SPACE	18,224	12,655	1266	0.8	5	92	5	575	1725

SYSTEM POPULATION (Ps) : 141 PEOPLE
SUM OF Pz : 141 PEOPLE
DIVERSITY (D) : 1.00
CALCULATION BASED ON 2015 VRC

SYSTEM PRIMARY AIRFLOW: 18,700

REQUIRED OUTDOOR AIR INTAKE FLOWRATE: 830
OUTDOOR AIR INTAKE PROVIDED: 1,870

OUTDOOR AIR REQUIRED FOR 2ND FLOOR

ROOM	SPACE DESIGNATION	SPACE TYPE (TABLE 403.3)	AREA	ZONE AIRFLOW	ZONE OUTDOOR AIRFLOW	ZONE AIR DISTRIBUTION EFFECTIVENESS	DEFAULT POPULATION DENSITY (TABLE 403.3)	ZONE POPULATION	PEOPLE OUTDOOR AIR RATE PER TABLE 403.3	REQUIRED OUTSIDE AIR CFM	REQUIRED VENTILATION AIR CFM
200	Elevator Lobby	CORRIDOR	255	200	20	1.0	0	0	0	0	0
	Elevator Lobby	CORRIDOR	596	300	30	1.0	0	0	0	0	0
	Corridor	CORRIDOR	527	275	28	1.0	0	0	0	0	0
201	Conference	CONFERENCE ROOM	509	1,625	163	0.8	50	26	5	163	488
202	Conference	CONFERENCE ROOM	263	700	70	1.0	50	14	5	70	210
203	Focus	OFFICE SPACE	62	90	9	1.0	5	1	5	5	15
204	Focus	OFFICE SPACE	61	90	9	1.0	5	1	5	5	15
205	Customer Care	OFFICE SPACE	153	155	16	1.0	5	2	5	10	30
206	Storage	STORAGE ROOM	84	50	5	1.0	0	0	0	0	0
207	Customer Care	OFFICE SPACE	185	160	16	1.0	5	2	5	10	30
209	Lobby	MAIN ENTRY LOBBY	3,851	4,100	410	1.0	10	39	5	195	585
	Existing Office Space	OFFICE SPACE	16,529	16,855	1686	0.8	5	83	5	519	1556

SYSTEM POPULATION (Ps) : 168 PEOPLE
SUM OF Pz : 168 PEOPLE
DIVERSITY (D) : 1.00
CALCULATION BASED ON 2015 VRC

SYSTEM PRIMARY AIRFLOW: 24,600

REQUIRED OUTDOOR AIR INTAKE FLOWRATE: 976
OUTDOOR AIR INTAKE PROVIDED: 2,460

OUTDOOR AIR REQUIRED FOR 9TH FLOOR

ROOM	SPACE DESIGNATION	SPACE TYPE (TABLE 403.3)	AREA	ZONE AIRFLOW	ZONE OUTDOOR AIRFLOW	ZONE AIR DISTRIBUTION EFFECTIVENESS	DEFAULT POPULATION DENSITY (TABLE 403.3)	ZONE POPULATION	PEOPLE OUTDOOR AIR RATE PER TABLE 403.3	REQUIRED OUTSIDE AIR CFM	REQUIRED VENTILATION AIR CFM
902	Corridor	CORRIDOR	411	400	40	1.0	0	0	0	0	0
903	Break Room Interior	OFFICE SPACE	786	610	61	1.0	5	4	5	20	60
903	Break Room Exterior	OFFICE SPACE	693	1,110	111	0.8	5	4	5	25	75
904	Conference	CONFERENCE ROOM	257	820	82	0.8	50	13	5	81	244
	Existing Office Space	OFFICE SPACE	20,928	15,360	1536	0.8	5	105	5	656	1969

SYSTEM POPULATION (Ps) : 126 PEOPLE
SUM OF Pz : 126 PEOPLE
DIVERSITY (D) : 1.00
CALCULATION BASED ON 2015 VRC

SYSTEM PRIMARY AIRFLOW: 18,300

REQUIRED OUTDOOR AIR INTAKE FLOWRATE: 783
OUTDOOR AIR INTAKE PROVIDED: 1,830

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Project: 18029-01

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Revisions

1 PERMIT CHANGES 4/16/20

VENTILATION CALCULATIONS - MECHANICAL

Scale **NONE**
Drawn HWK
Checked KHB

M5.0

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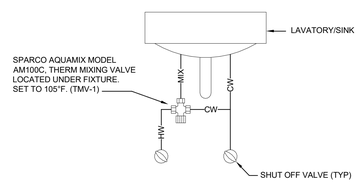
PLUMBING SYMBOLS

- CW — EXISTING COLD WATER PIPE
- V — EXISTING VENT PIPE
- SS — EXISTING SOIL OR WASTE PIPE
- CW — COLD WATER PIPE
- V — VENT PIPE
- SS — SOIL OR WASTE PIPE
- HW — HOT WATER PIPE
- CD — CONDENSATE DRAINAGE
- SD — STORM PIPE
- EXISTING PIPE TO BE REMOVED
- CAPPED PIPE
- PIPE TURNING UP
- PIPE TURNING DOWN
- POINT OF CONNECTION
- SHUT-OFF VALVE - GATE / BALL
- BACK FLOW PREVENTER
- CONTINUATION
- TP — TRAP PRIMER PIPE
- OPENSITE DRAIN - OSD
- CO — CLEANOUT
- FLOOR DRAIN - FD
- POINT OF CONNECTION NEW TO EXISTING
- LIMIT OF REMOVAL
- (E) EXISTING
- WS — WET STACK DESIGNATION

PLUMBING ABBREVIATIONS

ABV.	ABOVE	BFP	BACKFLOW PREVENTER
BLW.	BELOW	TPV	TRAP PRIMER VALVE
CLG.	CEILING	EWH	ELECTRIC WATER HEATER
FLR.	FLOOR		



ANTI-SCALD DETAIL

NO SCALE

FIRE PROTECTION

A. CONTRACTOR SHALL MODIFY EXISTING FIRE PROTECTION SYSTEMS AS PER NFPA 13 AND STATE AND LOCAL CODES. SUBMIT DETAILED DRAWINGS AND CALCULATIONS, FROM A LICENSED ENGINEER, TO FIRE MARSHAL FOR APPROVAL AND FIRE MARSHAL APPROVED DRAWINGS TO ENGINEER. PRIOR TO START OF WORK, SUBMIT SHOP DRAWINGS FOR EQUIPMENT AND MATERIAL TO THE ENGINEERS FOR APPROVAL. COORDINATE SPRINKLER HEAD LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN AND SUBMIT FOR APPROVAL BY ARCHITECT AND ENGINEER.

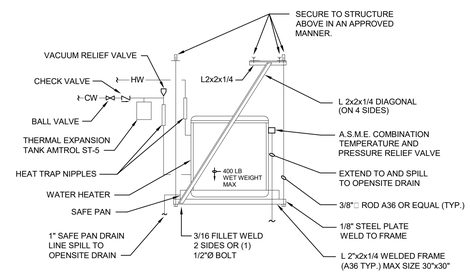
B. WORK INCLUDED: MODIFY AND EXPAND COMPLETE AUTOMATIC SPRINKLER SYSTEMS INCLUDING BUT NOT LIMITED TO THE FOLLOWING AS REQUIRED:

1. INTERIOR SYSTEMS INCLUDING PIPING, PIPING ACCESSORIES, FITTINGS, SPRINKLERS, HANGERS, SUPPORTS, SLEEVES, AND VALVES.
2. INCIDENTAL OR REQUIRED DEMOLITION ASSOCIATED WITH RENOVATED AND/OR NEW CONSTRUCTION.
3. CUTTING AND PATCHING IN CONNECTION WITH THE WORK.
4. TESTING, CLEANING, ADJUSTING AND PLACING IN OPERATION SYSTEMS AND EQUIPMENT SPECIFIED.
5. FIRE PROTECTION WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE.
6. PIPING AND SPRINKLER HEADS SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE.
7. PIPING AND SPRINKLER HEADS SHALL MATCH EXISTING BUILDING STANDARDS.
8. CONTRACTOR SHALL OFFSET NEW OR EXISTING BRANCH SPRINKLER PIPES AS REQUIRED TO ACHIEVE MAXIMUM HEADROOM. NO PIPING SHALL BE ROUTED UNDER VAV OF FAN POWERED TERMINAL DEVICES. CONTRACTOR SHALL COORDINATE THE SPRINKLER LAYOUT DRAWINGS WITH THE WORK OF OTHER MEP TRADES TO ENSURE THEIR PIPING IS INSTALLED IN SUCH A MANNER WERE THE SERVICE OF FUTURE PIPING TAPS OR EQUIPMENT IS NOT BLOCKED. CONFLICTS SHALL BE ADDRESSED AND CORRECTED PRIOR TO INSTALLATION.
9. FOR EXTENT OF WORK, REFER TO ARCHITECTURAL DRAWINGS.
10. SHOP DRAWING APPROVAL REQUIRED PRIOR TO ALL INSTALLATIONS.

PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE NO.	DESCRIPTION	WASTE	VENT	COLD WATER	HOT WATER	REMARKS
S-1	SINK W/ DISPOSER	1-1/2"	1-1/2"	1/2"	1/2"	NOTE 1 & 2
L-1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	NOTE 1 & 2
L-2	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	NOTE 1
WC-1	WATER CLOSET	4"	2"	1"	-	-
WC-1A	WATER CLOSET	4"	2"	1"	-	NOTE 1
EWC-1	ELECTRIC WATER COOLER	1-1/2"	1-1/2"	1/2"	-	NOTE 3 & 4
EWC-2	ELECTRIC WATER COOLER	1-1/2"	1-1/2"	1/2"	-	NOTE 3 & 4
EWC-3	ELECTRIC WATER COOLER	1-1/2"	1-1/2"	1/2"	-	NOTE 3 & 4
MB-1	MOP BASIN	2"	2"	1/2"	1/2"	-

NOTE:
1. HANDICAP FIXTURE
2. COUNTERTOP FIXTURE
3. HANDICAP FIXTURE WITH BOTTLE FILLER
4. WALL HUNG FIXTURE



EWH-1 - ELECTRIC WATER HEATER

A.O. SMITH MODEL NO. DEL-10, 10 GALLON CAPACITY, 3 K.W., 277 VOLT, SINGLE PHASE, RECOVERY RATE OF GPH @ 80°F RISE IN TEMPERATURE. (TOTAL WEIGHT: WATER HEATER + WATER WEIGHT = LBS.)

*** SET WATER HEATER TEMPERATURE FOR 125°F ***

WATER HEATER / SUPPORT DETAIL

NO SCALE

PLUMBING GENERAL NOTES

1. FOR SIZES OF WASTE, VENT, HOT AND COLD WATER PIPING TO FIXTURES AND EQUIPMENT, SEE SANITARY WASTE AND WATER RISER DIAGRAMS.
2. SLOPES AND INVERTS ELEVATIONS SHALL BE CHECKED BEFORE PIPING IS INSTALLED, TO ENSURE PROPER SLOPES WILL BE MAINTAINED.
3. MAKE PROPER WASTE, VENT, HOT, AND COLD WATER CONNECTIONS TO FIXTURES AND EQUIPMENT, EVEN THOUGH BRANCH MAINS, ELBOWS, AND CONNECTIONS ARE NOT SHOWN.
4. PLUMBING WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID ANY INTERFERENCE.
5. CONTRACTOR SHALL PROVIDE ADDITIONAL WATER LINE DROPS IN WALL WHERE HORIZONTAL RUN IN WALL CONFLICTS WITH VENT PIPE IN WALL.
6. CONTRACTOR SHALL X-RAY SLAB AFTER WORK HOURS BEFORE CORE DRILLING. COORDINATE TIME WITH BUILDING MANAGEMENT.

PLUMBING FIXTURE & EQUIPMENT SPECIFICATIONS

S-1 SINK AND DISPOSER (HANDICAP)ELKAY ECTSRAD25226TBG UNDERMOUNT SINK, 25"X22"X6" DEEP, STAINLESS STEEL WITH (1) HOLE PUNCH. KOHLER K-596AUCET 1.5 GPM WITH 9" SPOUT AND POLISHED CHROME FINISH. PROVIDE CHROME PLATED BRASS ANGLE STOP VALVES, SUPPLY PIPES, 1-1/2" X 1-1/2" P-TRAP AND ESCUTCHEON. IN-SINK-ERATOR EVOLUTION COMPACT GARBAGE DISPOSER, 3/4 HP., 120VOLT, SINGLE PHASE. PROVIDE POWER CORD KIT.

L-1 LAVATORY (HANDICAP) MEN'S/WOMAN'S ROOM: KOHLER K-2209 "CAXTON" (WHITE) VITREOUS CHINA, KOHLER K-7514 ELECTRONIC FAUCET 0.5 GPM; CHROME-PLATED BRASS ANGLE STOP VALVES, SUPPLY PIPES AND ESCUTCHEONS; GRID DRAIN AND TAILPIECE, KOHLER K-9033 1-1/4" X 1-1/2" CHROME-PLATED BRASS P-TRAP, WASTE PIPE COVER TUBE AND ESCUTCHEON. INSULATE ALL PIPING BELOW LAVATORY WITH TRUEBRO "HANDI-LAV- GUARD" KIT OR APPROVAL EQUAL. PROVIDE TMV-1 THERMOSTATIC MIXING VALVE.

L-2 LAVATORY (HANDICAP); KOHLER K-1997 "BRENHAM" (WHITE) VITREOUS CHINA WITH JOSAM SERIES 17100 CARRIER, KOHLER K-7514 ELECTRONIC FAUCET 0.5 GPM; CHROME-PLATED BRASS ANGLE STOP VALVES, SUPPLY PIPES AND ESCUTCHEONS; GRID DRAIN AND TAILPIECE, KOHLER K-9033 1-1/4" X 1-1/2" CHROME-PLATED BRASS P-TRAP, WASTE PIPE COVER TUBE AND ESCUTCHEON. INSULATE ALL PIPING BELOW LAVATORY WITH TRUEBRO "HANDI-LAV- GUARD" KIT OR APPROVAL EQUAL. PROVIDE TMV-1 THERMOSTATIC MIXING VALVE.

WC-1 WATER CLOSET: KOHLER K-96057 (COLOR: WHITE) FLOOR MTD, VITREOUS CHINA; KOHLER K-4731-C-0 (WHITE) ELONGATED OPEN FRONT SEAT, LESS COVER, WITH STAINLESS STEEL HINGE POSTS; KOHLER K-7531-CP, 1.28 GPF SENSOR OPERATED HARDWIRED FLUSHOMETER.

WC-1A WATER CLOSET(HANDICAP): KOHLER K-96057 (COLOR: WHITE) FLOOR MTD, VITREOUS CHINA; KOHLER K-4731-C-0 (WHITE) ELONGATED OPEN FRONT SEAT, LESS COVER, WITH STAINLESS STEEL HINGE POSTS; KOHLER K-7531-CP, 1.28 GPF SENSOR OPERATED HARDWIRED FLUSHOMETER.

MB-1 MOP BASIN: FIAT TSB-800, 36" X 24" X 12" HIGH, COMPLETE WITH INTEGRAL STAINLESS STEEL DRAIN BODY AND STRAINER. FIAT 830AA FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS, WALL BRACE, PAIL HOOK, 3/4" HOSE THREAD END, 30" LONG X 5/8" HOSE AND HOSE BRACKET. ONE (1) MSG3624 STAINLESS STEEL WALL GUARD SET AND ONE (1) ADDITIONAL 24" LONG STAINLESS STEEL WALL GUARD. ONE (1) E88AA-36 STAINLESS STEEL BUMPER GUARD. MOUNT FAUCET 36" ABOVE FINISH FLOOR TO CENTERLINE.

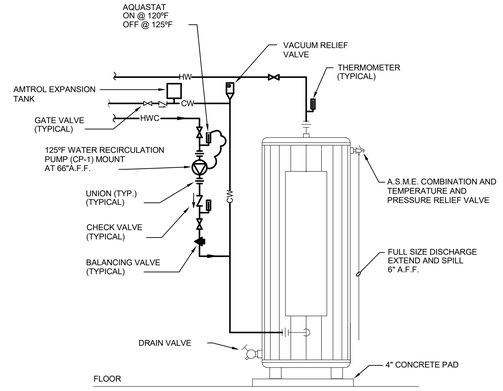
TPV TRAP PRIMER VALVE: JOSAM 88300 SERIES, ALL BRONZE PRIMER VALVE.

RB-1 REFRIGERATOR/ICE MAKER BOX: GUY GREY B/M-875, 20 GAUGE GALVANIZED STEEL RECESSED WALL BOX WITH 1/2" X 1/4" ANGLE VALVE.

EWC-1 ELECTRIC WATER COOLER (HANDICAP): ELKAY NO. LZSTLG8SC, WALL MOUNTED BI-LEVEL, A.D.A. COMPLIANT, ELECTRIC WATER COOLER WITH INTGRAL FILTER; STAINLESS STEEL FINISH. 120 VOLT. PROVIDE CHROME PLATED BRASS ANGLE STOP VALVES, SUPPLY PIPES, 1-1/2" X 1-1/2" P-TRAP AND ESCUTCHEON.

EWC-2 ELECTRIC WATER COOLER (HANDICAP): ELKAY NO. LZSG8WSSK WALL MOUNTED SINGLE LEVEL WITH BOTTLE FILLER STATION, A.D.A. COMPLIANT, ELECTRIC WATER COOLER WITH INTEGRAL FILTER; STAINLESS STEEL FINISH. 120 VOLT. PROVIDE CHROME PLATED BRASS ANGLE STOP VALVES, SUPPLY PIPES, 1-1/2" X 1-1/2" P-TRAP AND ESCUTCHEON.

EWC-3 ELECTRIC WATER COOLER (HANDICAP): ELKAY NO. LZWS-LRPBM28K WALL MOUNTED BI-LEVEL WITH BOTTLE FILLER STATION, A.D.A. COMPLIANT, ELECTRIC WATER COOLER WITH INTEGRAL FILTER; STAINLESS STEEL FINISH. 120 VOLT. PROVIDE CHROME PLATED BRASS ANGLE STOP VALVES, SUPPLY PIPES, 1-1/2" X 1-1/2" P-TRAP AND ESCUTCHEON.



EWH-2 - ELECTRIC WATER HEATER

A.O. SMITH MODEL NO. DRE-52-6, 50 GALLON CAPACITY, 6 K.W., 480 VOLT, THREE PHASE, RECOVERY RATE OF 31 GPH @ 80°F RISE IN TEMPERATURE. (TOTAL WEIGHT: WATER HEATER + WATER WEIGHT = 600 LBS.)

RECIRCULATION PUMP (CP-1)

BELL AND GOSSETT MODEL NO. LR-15BWR, 120 VOLTS, SINGLE PHASE, 15 GALLONS PER MINUTE AT 8 FEET TOTAL HEAD.

WATER HEATER DETAIL

NO SCALE

DRAWING LIST - PLUMBING

P1.0	COVER SHEET - PLUMBING
P1.1	RISER DIAGRAMS - PLUMBING
P2.1	LEVEL 1 - DEMOLITION PLAN - PLUMBING
P2.3	LEVEL 3 - DEMOLITION PLAN - PLUMBING
P2.9	LEVEL 9 - DEMOLITION PLAN - PLUMBING
P3.1	LEVEL 1 - NEW WORK PLAN - PLUMBING
P3.2	LEVEL 2 PLANS - PLUMBING
P3.9	LEVEL 9 - NEW WORK PLAN - PLUMBING

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COVER SHEET - PLUMBING

Scale **NONE**
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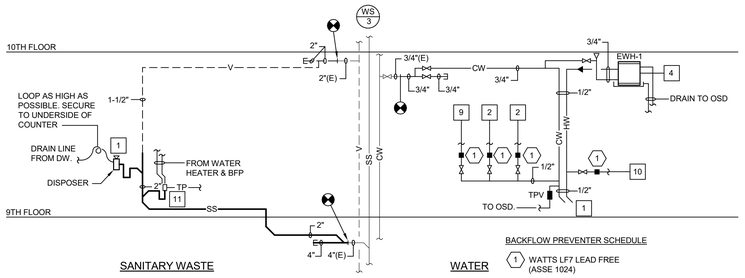


SANITARY WASTE

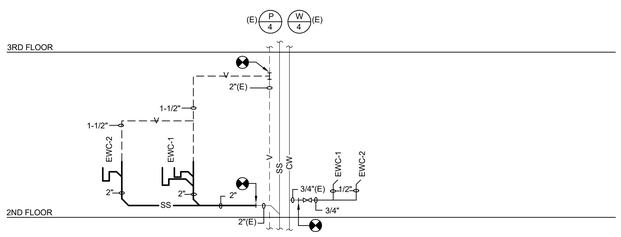
WATER

BACKFLOW PREVENTER SCHEDULE

1 WATTS LF7 LEAD FREE (ASSE 1024)

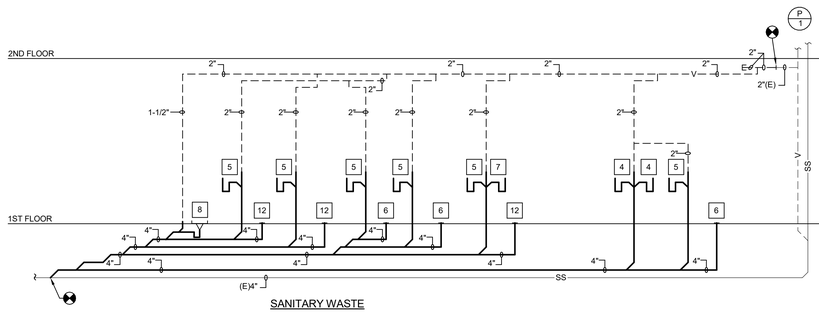
DRAWING PLAN & RISER NOTES

1. SINK S-1 - PROVIDE 1/2" HOT AND COLD WATER.
2. REFRIGERATOR W/ ICE MAKER- RB-1 PROVIDE 1/4" COLD WATER.
3. ELECTRIC WATER HEATER (EWH-1) MOUNTED BELOW COUNTERTOP. COORDINATE EXACT LOCATION PER FIELD CONDITIONS.
4. LAVATORY L-1 - PROVIDE 1/2" HOT AND COLD WATER. HOT WATER PIPING LENGTH FROM ACTIVE MAIN TO FIXTURE SHALL BE 2 FT. MAXIMUM.
5. LAVATORY L-2 - PROVIDE 1/2" HOT AND COLD WATER. HOT WATER PIPING LENGTH FROM ACTIVE MAIN TO FIXTURE SHALL BE 2 FT. MAXIMUM.
6. WATER CLOSET WC-1 - PROVIDE 1" COLD WATER.
7. ELECTRIC WATER COOLER EWH-3 - PROVIDE 1/2" COLD WATER.
8. MOP BASIN MB-1 - PROVIDE 1/2" HOT AND COLD WATER.
9. ICE MAKER - PROVIDE 1/4" COLD WATER.
10. DISHWASHER - PROVIDE 1/2" HOT WATER.
11. 2" OPENSITE DRAIN.
12. WATER CLOSET WC-1A - PROVIDE 1" COLD WATER.

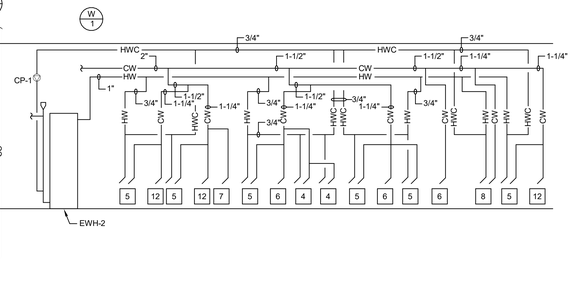


SANITARY WASTE

WATER



SANITARY WASTE



RISER DIAGRAMS

NO SCALE

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RISER DIAGRAMS - PLUMBING

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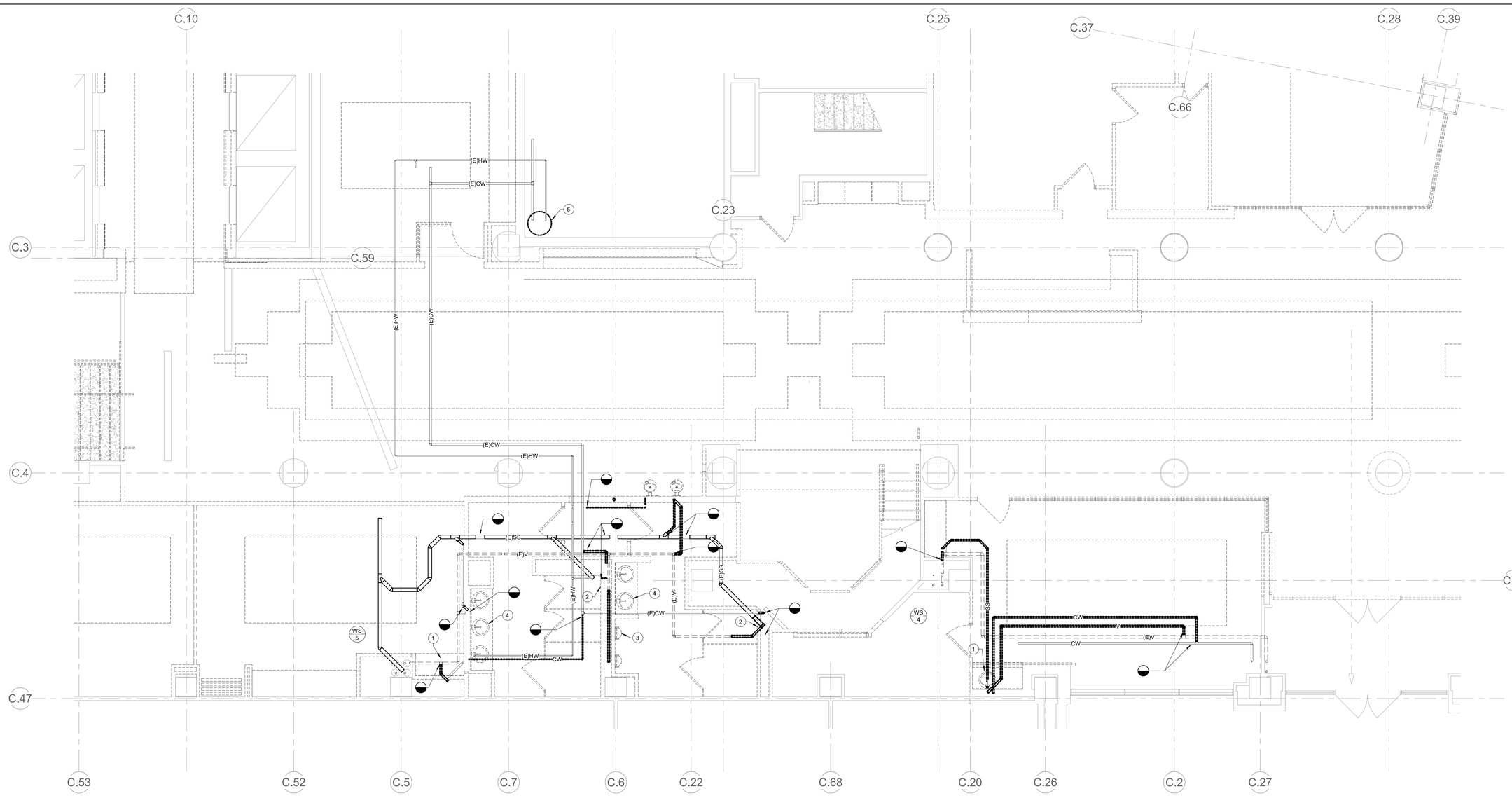

LEVEL 1 - DEMOLITION PLAN - PLUMBING

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

KEYNOTES

1. REMOVE EXISTING SINK AND TANKLESS ELECTRIC WATER HEATER BELOW COUNTER COMPLETE. REMOVE ASSOCIATED WIRING AND PIPING BACK TO ACTIVE MAIN.
2. REMOVE EXISTING WATER CLOSET COMPLETE. REMOVE PIPING BACK TO POINTS INDICATED.
3. REMOVE EXISTING URINAL COMPLETE. REMOVE PIPING BACK TO POINTS INDICATED.
4. REMOVE EXISTING LAVATORY COMPLETE. REMOVE PIPING BACK TO POINTS INDICATED.
5. REMOVE EXISTING WATER HEATER, ALONG WITH ASSOCIATED WIRING AND CONTROLS. MODIFY EXISTING PIPING AND FLOOR PAD AS REQUIRED FOR INSTALLATION OF NEW WATER HEATER.

GENERAL NOTES

* NO WORK IN SOLID SHADED AREAS.

4' 2' 0' 4' 8'
GRAPHIC SCALE: 1/4" = 1'-0"

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LEVEL 1 - DEMOLITION PLAN - PLUMBING

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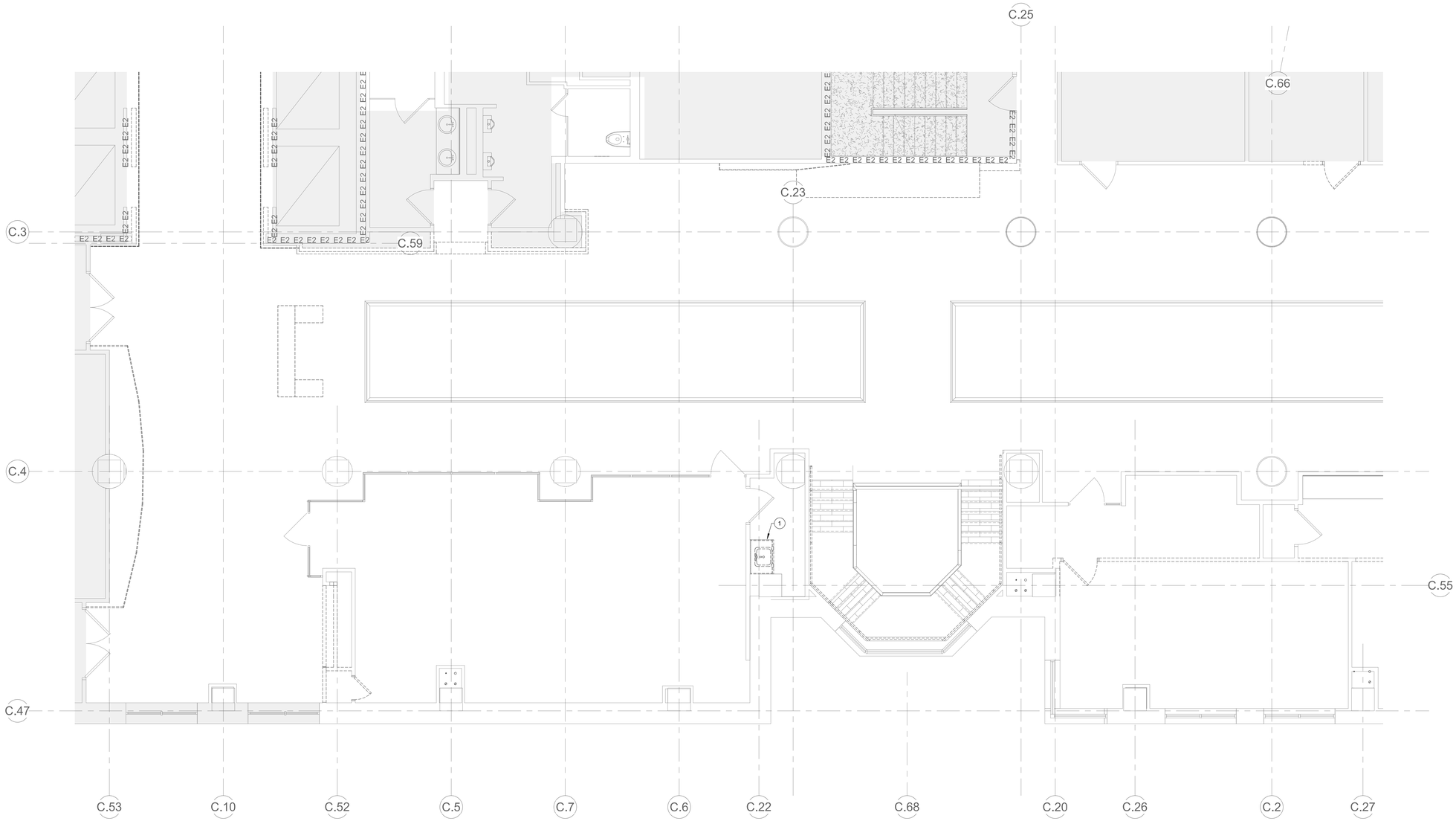

LEVEL 3 - DEMOLITION PLAN - PLUMBING

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

# KEYNOTES #	GENERAL NOTES
1 REMOVE EXISTING SINK COMPLETE. REMOVE WATER AND DRAIN CONNECTION BACK TO WALL. CAP AND VALVE IN PLACE FOR FUTURE CONNECTION. PROVIDE ACCESS PANEL FOR FUTURE.	* NO WORK IN SOLID SHADED AREAS.

8' 4' 0' 8' 16'
GRAPHIC SCALE: 1/8" = 1'-0"

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LEVEL 3 - DEMOLITION PLAN - PLUMBING

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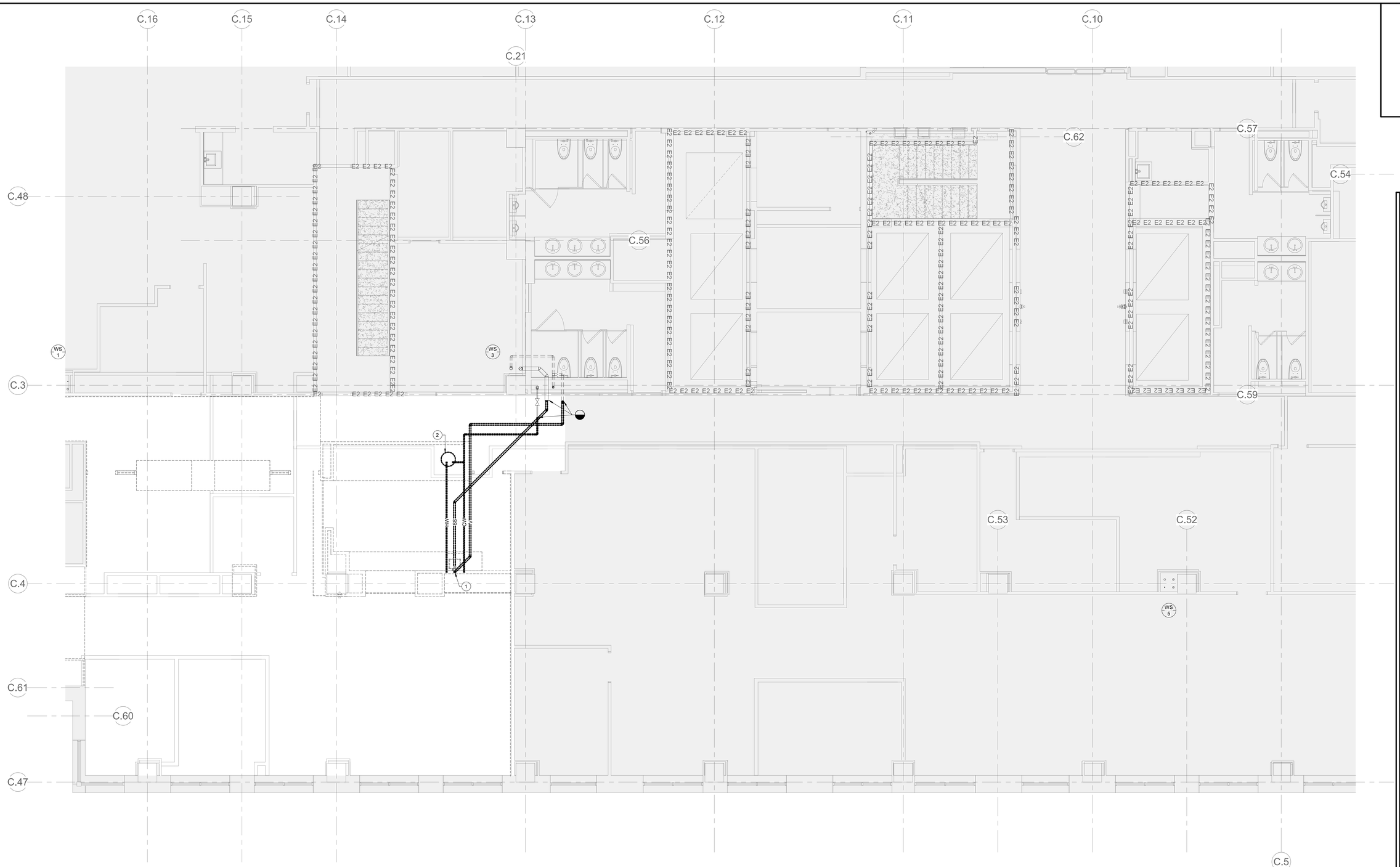

LEVEL 9 - DEMOLITION PLAN - PLUMBING

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

# KEYNOTES #	GENERAL NOTES
1 REMOVE EXISTING SINK COMPLETE. REMOVE PIPING BACK TO POINTS INDICATED. 2 REMOVE EXISTING WATER HEATER COMPLETE. REMOVE PIPING BACK TO POINTS INDICATED.	* NO WORK IN SOLID SHADED AREAS.

4' 2' 0' 4' 8'
GRAPHIC SCALE: 1/4" = 1'-0"

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LEVEL 9 - DEMOLITION PLAN - PLUMBING

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LEVEL 1 -NEW WORK PLAN - PLUMBING

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

# KEYNOTES #	GENERAL NOTES
1 WATER CLOSET WC-1. PROVIDE 1" COLD WATER. 2 WATER CLOSET WC-1A. PROVIDE 1" COLD WATER. 3 LAVATORY L-1. PROVIDE 1/2" HOT AND COLD WATER. 4 LAVATORY L-2. PROVIDE 1/2" HOT AND COLD WATER. 5 INSTALL NEW FLOOR-MOUNTED WATER HEATER IN LOCATION OF PREVIOUSLY DEMOLISHED WATER HEATER.	* NO WORK IN SOLID SHADED AREAS.

4' 2' 0' 4' 8'

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

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Construction Documents for:

ARLINGTON COUNTY OFFICES RENOVATION

2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
PERMIT

Revisions

1 PERMIT CHANGES 4/16/20

LEVEL 1 - NEW WORK PLAN - PLUMBING

Scale **As indicated**
Drawn HWK
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P3.1

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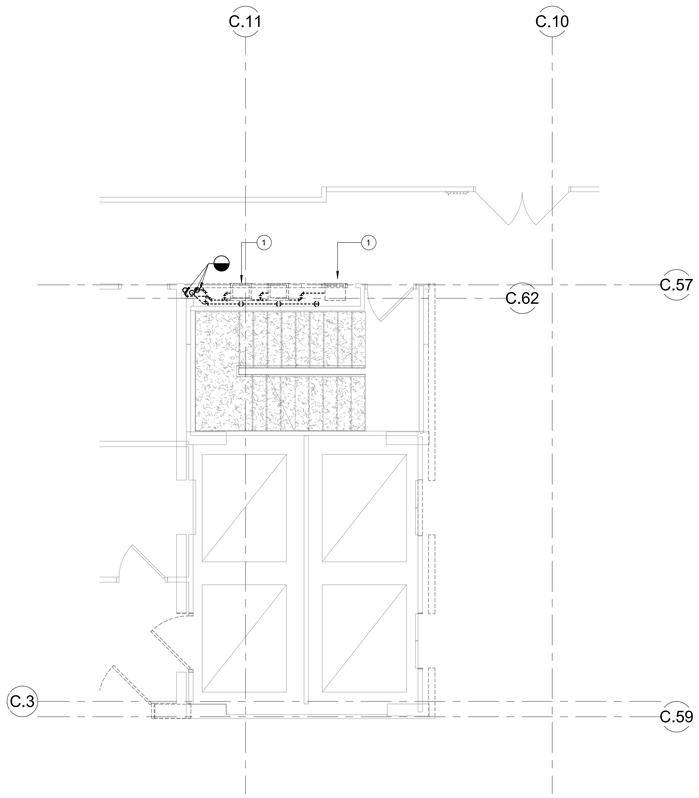
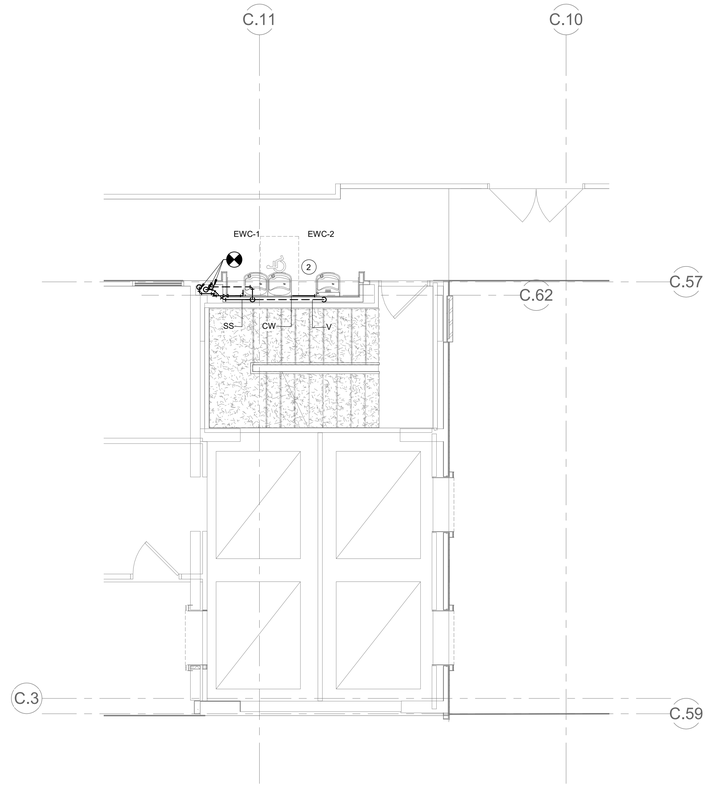


2ND FLOOR DEMOLITION PLAN - PLUMBING

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



2ND FLOOR NEW WORK PLAN - PLUMBING

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

# KEYNOTES #		GENERAL NOTES
1	REMOVE ELECTRIC WATER COOLERS AND SANITARY, VENT AND COLD WATER PIPING COMPLETE BACK TO STACK. SEE NEW WORK PLAN FOR INSTALLATION OF NEW FIXTURES.	* NO WORK IN SOLID SHADED AREAS.
2	CONNECT NEW FIXTURES TO EXISTING RISER. REFER TO RISER DIAGRAM FOR ADDITIONAL INFORMATION.	

4' 2' 0' 4' 8'

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

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2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

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LEVEL 2 PLANS - PLUMBING

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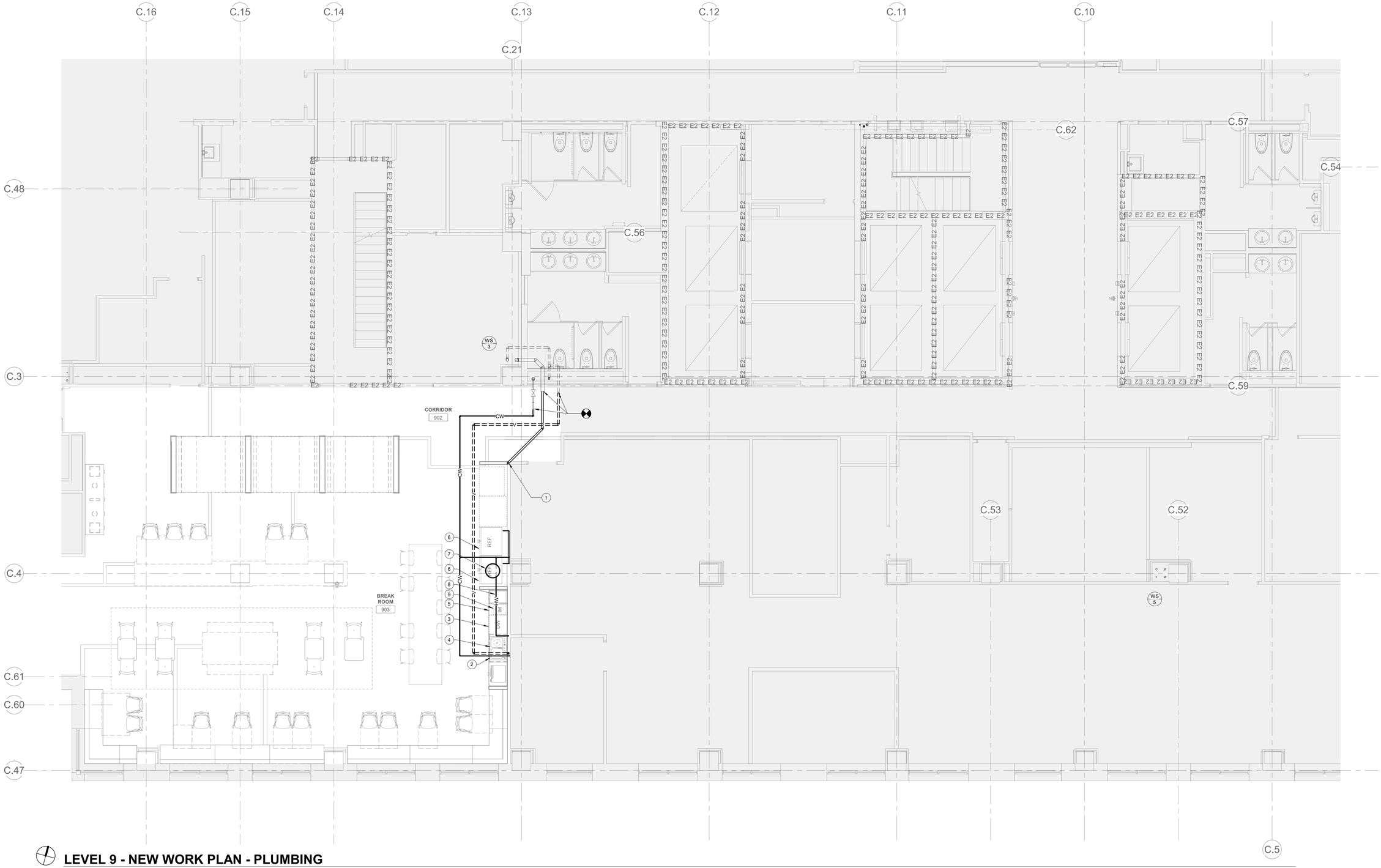

LEVEL 9 - NEW WORK PLAN - PLUMBING

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

KEYNOTES

1. ROUTE SANITARY PIPING IN WALL TO AVOID DUCTWORK CONFLICTS ON FLOOR BELOW. DROP PRIOR TO CORRIDOR WALL ON FLOOR BELOW.
2. SINK S-1 - PROVIDE 1/2" HOT AND COLD WATER.
3. DISHWASHER - PROVIDE 1/2" HOT WATER.
4. 2" OPENSITE DRAIN.
5. ICE MAKER - PROVIDE 1/4" COLD WATER.
6. REFRIGERATOR - PROVIDE 1/4" COLD WATER.
7. ELECTRICAL WATER HEATER (EWH-1) MOUNTED IN BULKHEAD ABOVE REFRIGERATOR. COORDINATE EXACT LOCATION PER FIELD CONDITIONS.
8. WATER DISPENSER - PROVIDE 1/4" COLD WATER.
9. COFFEE MAKER - PROVIDE 1/4" COLD WATER.

GENERAL NOTES

* NO WORK IN SOLID SHADED AREAS.

4' 2' 0' 4' 8'
GRAPHIC SCALE: 1/4" = 1'-0"

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Revisions

LEVEL 9 - NEW WORK PLAN - PLUMBING

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ELECTRICAL NOTES AND SPECIFICATIONS

1. ALL WORK SHALL BE DONE IN CONFORMANCE WITH ALL LOCAL AND STATE CODES RULES AND REGULATIONS, THE LATEST ADOPTED JURISDICTIONAL CODES, AND OF THE AUTHORITY HAVING JURISDICTION.

2. OBTAIN AND PAY FOR ALL PERMITS, ALL FEES AND ALL TAXES.

3. IT IS THE INTENTION OF THE SPECIFICATIONS AND DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. WHENEVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN "FURNISH AND INSTALL COMPLETE AND READY FOR USE".

4. PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, FIXTURES, SERVICES AND PERFORM ALL OPERATIONS REQUIRED FOR A COMPLETE AND SAFE INSTALLATION OF THE ELECTRICAL SYSTEMS AND RELATED WORK. ELECTRICAL SYSTEMS AND EQUIPMENT SHALL IN GENERAL INCLUDE THE FOLLOWING:
   - 4.A. GENERAL PROVISIONS FOR ELECTRICAL WORK
   - 4.B. WIRING, DISTRIBUTION EQUIPMENT, RACEWAYS AND DEVICES
   - 4.C. LIGHTING FIXTURES AND LAMPS
   - 4.D. GROUNDING SYSTEM
   - 4.E. TELEPHONE CONDUIT
   - 4.F. MECHANICAL EQUIPMENT, MOTORS AND PLUMBING EQUIPMENT, WIRING AND CONDUIT
   - 4.G. FIRE ALARM SYSTEM
   - 4.H. INSTALLATION AND ALL CONNECTIONS.

5. PROVIDE ALL MATERIAL AND EQUIPMENT NOT INDICATED AS EXISTING IN THE CONTRACT DOCUMENTS. ALL MATERIAL SHALL BE NEW AND THE BEST PRODUCTS OF REPUTABLE MANUFACTURERS AND SHALL BE IN NEW CONDITION AT ACCEPTANCE OF WORK.

6. PROVIDE A GUARANTEE TO COVER ALL MATERIALS, LABOR AND EQUIPMENT. GUARANTEE SHALL BE FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE OWNER. GUARANTEE SHALL COVER PAYMENT FOR ANY REPAIRS OR REPLACEMENTS CAUSED BY DEFECTIVE WORKMANSHIP OR FAULTY MATERIALS WITHIN THE PERIOD COVERED BY THE GUARANTEE.

7. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NECA-1 GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION.

8. THE CONTRACTOR SHALL WALK THE WORK SITE PRIOR TO BIDDING AND VERIFY EXISTING CONDITIONS. DRAWINGS ARE DIAGRAMMATIC AND REPRESENT THE ENGINEERING ASSESSMENT AT THE TIME OF DESIGN.CIRCUITS SHOWN ARE BASED ON RECORD DRAWING AND FIELD CONDITIONS. CONDUIT SHALL NOT BE CONSIDERED AS DIRECT PATH STRAIGHT RUNS. THE CONTRACTOR SHALL EXPECT TO ROUTE CONDUIT AROUND EXISTING STRUCTURAL COMPONENTS AND ALL EQUIPMENT. THE CONTRACTOR SHALL PROVIDE REQUIRED PULL BOXES TO MAINTAIN NO MORE THAN FOUR 90 DEGREE EQUIVALENT BENDS IN EACH CONDUIT RUN.

9. PROVIDE ALL SCAFFOLDING, RIGGING, HOISTING, AND SERVICES NECESSARY FOR ERECTION AND DELIVERY INTO THE PREMISES OF ANY EQUIPMENT AND APPARATUS, WHETHER FURNISHED BY THIS CONTRACT OR OWNER, AND REMOVAL OF SAME FROM PREMISES WHEN NO LONGER REQUIRED.

10. INSTALL ALL WORK IN A NEAT AND ORDERLY MANNER, USING ONLY WORKMEN THOROUGHLY QUALIFIED IN THE TRADE OR DUTIES THEY ARE TO PERFORM. ROUGH WORK WILL BE REJECTED.

11. UNLESS OTHERWISE REQUIRED BY TRADE CUSTOM OR SPECIFIED UNDER ANOTHER SECTION OF THE SPECIFICATIONS, CUTTING AND PATCHING SHALL BE DONE BY THE APPROPRIATE TRADE. PROVIDE SKETCHES SHOWING THE LOCATIONS AND SIZES OF ALL OPENINGS, CHASES ETC. REQUIRED.

12. DO NOT CUT STRUCTURAL MEMBERS WITHOUT THE APPROVAL OF THE ARCHITECT/ENGINEER, AND ALL SUCH CUTTING SHALL BE DONE IN MANNER DIRECTED BY HIM.

13. MAINTAIN CLEAN WORK AREA AT ALL TIMES DURING CONSTRUCTION.

14. TEST ALL LIGHTING, POWER, FIRE ALARM AND OTHER SYSTEMS. SYSTEMS SHALL OPERATE SATISFACTORILY AS DESIGNED AND INTENDED. REPORT ANY DEFICIENCIES TO THE ARCHITECT/ENGINEER.

15. PROVIDE A FIELD-APPLIED WARNING LABEL ON EACH SWITCHBOARD, PANELBOARD, CONTROL PANEL, STARTER, VFD, AND MOTOR CONTROL CENTER TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARD, PER NEC 110.16.

16. GENERAL PROVISION FOR ELECTRICAL WORK:

16.A. DRAWINGS: ELECTRICAL DRAWINGS ARE CONSIDERED DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF WORK AND SYSTEMS. REFER TO ARCHITECTURAL DRAWINGS TO VERIFY LOCATION OF EQUIPMENT, ETC. COORDINATE ROUGH-IN REQUIREMENTS AND INSTALLATION REQUIREMENTS WITH OTHER TRADES.

16.B. QUALITY OF MATERIALS: NEW, BEST OF THEIR RESPECTIVE KIND, FREE FROM DEFECTS, AND LISTED BY UNDERWRITERS LABORATORIES, INC. AND BEARING THEIR LABEL.

16.C. VOLTAGE CHARACTERISTICS: 277/480 VOLT AND 120/208 VOLT, 3 PHASE, 4 WIRE, 60 HERTZ WITH GROUNDED NEUTRAL AS NOTED.

16.D. SHOP DRAWINGS:

16.D.1. SUBMIT ELECTRONIC SHOP DRAWINGS FOR ALL FIXTURES AND DEVICES. OBTAIN APPROVAL BEFORE EQUIPMENT IS ORDERED, BUILT OR INSTALLED. CATALOGS, PAMPHLETS, OR OTHER DOCUMENTS SUBMITTED TO DESCRIBE ITEMS FOR WHICH APPROVAL IS BEING REQUESTED SHALL BE AS SPECIFIED AND IDENTIFICATION CATALOG, PAMPHLET, ETC., OF ITEM SUBMITTED SHALL BE CLEARLY NAMED IN INK. DATA OF A GENERAL NATURE AND FAXES WILL NOT BE ACCEPTED. SUBMITTAL SHALL INCLUDE CONTRACTOR'S NAME AND NAME OF JOB.
- 16.D.1.a. LIGHTING FIXTURES
- 16.D.1.b. WIRING DEVICES
- 16.D.1.c. WIRING DEVICE PLATES
- 16.D.1.d. BUILDING WIRE
- 16.D.1.e. DISTRIBUTION EQUIPMENT (PANEL BOARDS, TRANSFORMERS, ETC)
- 16.D.1.f. FUSIBLE SAFETY SWITCHES
- 16.D.1.g. FIRE ALARM APPLIANCES AND PANELS
- 16.D.1.h. RGS, IMC, EMT, PVC CONDUIT

16.D.2. THE FIRE ALARM SHOP DRAWINGS SHALL BE PROVIDED BY THE BASE BUILDING FIRE ALARM CONTRACTOR AND MUST BE APPROVED BY THE LOCAL AND STATE FIRE MARSHAL'S OFFICES AS WELL AS THE LOCAL AGENCY HAVING JURISDICTION OVER THE AMERICANS WITH DISABILITIES ACT (ADA) AND SHALL INCLUDE, BUT NOT LIMITED TO, ALL OF THE FOLLOWING:
- 16.D.2.a. NAME, CERTIFICATION NUMBER AND SIGNATURE OF THE FIRE ALARM SHOP DRAWING DESIGNER.
- 16.D.2.b. A FLOOR PLAN THAT INDICATES THE USE OF ALL ROOMS.
- 16.D.2.c. LOCATIONS OF ALARM-INITIATING DEVICES.
- 16.D.2.d. LOCATIONS OF ALARM NOTIFICATION APPLIANCES, INCLUDING CANDELA RATINGS FOR VISIBLE ALARM NOTIFICATION APPLIANCES.
- 16.D.2.e. LOCATION OF FIRE ALARM CONTROL UNIT, TRANSPONDERS AND NOTIFICATION POWER SUPPLIES.
- 16.D.2.f. ANNUNCIATORS.
- 16.D.2.g. POWER CONNECTION.
- 16.D.2.h. BATTERY CALCULATIONS.
- 16.D.2.i. CONDUCTOR TYPE AND SIZES.
- 16.D.2.j. VOLTAGE DROP CALCULATIONS.
- 16.D.2.k. MANUFACTURERS' DATA SHEETS INDICATING MODEL NUMBERS AND LISTING INFORMATION FOR EQUIPMENT, DEVICES AND MATERIALS.
- 16.D.2.l. DETAILS OF CEILING HEIGHT AND CONSTRUCTION.
- 16.D.2.m. THE INTERFACE OF FIRE SAFETY CONTROL FUNCTIONS.
- 16.D.2.n. CLASSIFICATION OF THE SUPERVISING STATION.

16.D.3. LIGHTING CONTROL PRODUCT DATA: PROVIDE MANUFACTURER'S DATA SHEETS ON EACH PRODUCT TO BE USED, INCLUDING
- 16.D.3.a. CATALOG SHEETS AND SPECIFICATIONS
- 16.D.3.b. RATINGS, CONFIGURATIONS, STANDARD WIRING DIAGRAMS, DIMENSIONS, COLORS, SERVICE CONDITION REQUIREMENTS, AND INSTALLED FEATURES
- 16.D.3.c. INSTALLATION INSTRUCTIONS
- 16.D.3.d. WARRANTY INFORMATION

16.D.4. LIGHTING CONTROL SHOP DRAWINGS: PROVIDE WIRING DIAGRAMS AND DIMENSIONED FLOOR PLANS THAT INCLUDE THE VARIOUS COMPONENTS OF THE SYSTEM SPECIFIED INCLUDING:
- 16.D.4.a. COMPOSITE WIRING AND/OR SCHEMATIC DIAGRAM OF EACH CONTROL CIRCUIT AS PROPOSED TO BE INSTALLED
- 16.D.4.b. FLOOR PLANS THAT SHOW LOCATION OF ALL DEVICES, INCLUDING AT MINIMUM SENSORS, LOAD CONTROLLERS, AND SWITCHES/DIMMERS FOR EACH AREA ON REFLECTED CEILING PLANS
- 16.D.4.c. FLOOR PLANS THAT SHOW THE DIFFERENT LIGHTING CONTROL ZONES PER ROOM OR SPACE AS SHOWN ON THE LIGHTING PLANS, ENLARGED PLANS, AND SEQUENCE OF OPERATIONS.
- 16.D.4.d. PROVIDE ROOM/SPACE DETAILS INCLUDING PRODUCTS AND SEQUENCE OF OPERATION FOR EACH ROOM OR SPACE. ILLUSTRATE TYPICAL ACCEPTABLE ROOM/SPACE CONNECTION TOPOLOGIES
- 16.D.4.e. NETWORK RISER DIAGRAM INCLUDING FLOOR AND BUILDING LEVEL DETAILS. INCLUDE NETWORK CABLE SPECIFICATION. ILLUSTRATE POINTS OF CONNECTION TO INTEGRATED SYSTEMS. COORDINATE INTEGRATION WITH MECHANICAL AND/OR OTHER TRADES

16.E. INSTALL ALL NEW WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES.

16.F. VISIT SITE AND INSPECT EXISTING FACILITIES BEFORE BID IN ORDER TO ENSURE PROPER EVALUATION OF WORKING CONDITIONS AND LOCATION OF EXISTING EQUIPMENT.

17. WIRING, DISTRIBUTION EQUIPMENT AND DEVICES:

17.A. CONDUCTORS: COPPER, IN ACCORDANCE WITH ASTM STANDARDS, SIZE REFERENCES AWG. CONDUCTORS ARE BASED ON 90°C RATING. NO. 10 AND SMALLER - SOLID, THHN OR THHW 600 VOLT; NO. 8 AND LARGER - STRANDED THHW OR THHN 600 VOLT. MINIMUM SIZE: NO. 12.

17.A.1. TYPE MC CABLE WITH INSULATED GROUNDING CONDUCTOR FOR BRANCH CIRCUITING AND FEEDERS, UP TO A MAXIMUM OF 20 AMPS PER CIRCUIT, MAY BE SUBSTITUTED FOR CONDUCTORS IN CONDUIT. SUPPORT CABLE EVERY 6'-0" AND WITHIN 12" OUTLET AND IN ACCORDANCE WITH THE NEC. CABLE MUST BE SUPPORTED IN A NEAT AND ORDERLY MANNER.

CONTRACTOR SHALL PROVIDE NEUTRAL CONDUCTOR IN SWITCH BOXES COMPLYING WITH NEC 404.2(C).

17.A.1. ALL CONDUCTORS SHALL BE IDENTIFIED BY COLOR AS INDICATED IN THE COLOR CODE CHART.

COLOR CODE CHART

	PHASE A	PHASE B	PHASE C	NEUTRAL	GROUND
120/208V	BLACK	RED	BLUE	WHITE	GREEN
277/480V	BROWN	ORANGE	YELLOW	GRAY	GREEN

17.B. RACEWAYS: (ROUTE CONCEALED BEHIND OR ABOVE BUILDING FINISHES UON)
- 17.B.1. ELECTRIC METALLIC TUBING (EMT), THIN WALL PIPE, GALVANIZED, MINIMUM 1/2" EXCEPT AS NOTED OR REQUIRED FOR WIRING.
- 17.B.2. ALL FITTINGS AND COUPLINGS SHALL BE STEEL - CAST FITTINGS PROHIBITED.

17.C. TERMINATIONS: ALL EQUIPMENT PROVIDED ON THE PROJECT, INCLUDING PANELBOARDS AND DISCONNECT SWITCHES, SHALL HAVE MANUFACTURER TERMINATIONS RATED AT 75°C.

17.D. PANELBOARDS: PANELBOARDS SHALL BE SQUARE D 'NQOD' FOR 240VAC MAXIMUM, SQUARE D 'NF' FOR 480/277VAC, 400A MAXIMUM, SQUARE D 'I-LINE' FOR 600VAC, 600A TO 1200A, MOLDED CASE, WITH BOLT-ON, BRANCH CIRCUIT BREAKERS AND COPPER BUSS, COPPER NEUTRAL AND COPPER GROUND. SIEMENS, GE, CUTLER HAMMER WILL BE CONSIDERED. MATCH BASE BUILDING DISTRIBUTION EQUIPMENT AS REQUIRED BY BUILDING OWNER. CABINETS: PANELBOARDS SHALL BE MOUNTED IN A STEEL CABINET, FLUSH OR SURFACE MOUNTED AS SHOWN ON DRAWINGS. CABINETS SHALL BE BUILT OF MATERIAL NOT THINNER THAN NO. 12 GAUGE SHEET STEEL AND LARGE ENOUGH TO CONTAIN THE PANELS AND ALLOW MINIMUM OF 4" GUTTER SPACE ALL AROUND. PROVIDE A TYPEWRITTEN DIRECTORY INSIDE EACH PANEL INDICATING THE FUNCTION AND LOCATION OF OUTLETS SERVING EACH CIRCUIT. ALL NEW PANELS SHALL PROVIDE SUFFICIENT SPACE WITHIN THE PANEL ENCLOSURES TO ALLOW FOR CHECK METERING PROVISIONS AS REQUIRED BY 1989 ASHRAE 90.1 ARTICLE 5.4.

17.E. CIRCUIT BREAKERS: CIRCUIT BREAKERS SHALL BE MOLDED CASE, THERMAL-MAGNETIC QUICK-MAKE, QUICK-BREAK, BOLT-ON TYPE WITH MANUALLY OPERATED INSULATED TRIP-FREE HANDLE. MULTI-POLE TYPES WITH INTERNAL COMMON TRIP BAR. TERMINALS SUITABLE FOR COPPER CONDUCTORS.

17.F. DISCONNECT SWITCHES: DISCONNECT SWITCHES SHALL BE HEAVY-DUTY, ENCLOSED SAFETY SWITCHES AS MANUFACTURED BY SIEMENS. SWITCHES SHALL BE OF THE QUICK-MAKE, QUICK-BREAK TYPE WITH INTERLOCKING COVERS AND STEEL BOXES OF THE TYPE ENCLOSURE REQUIRED FOR EACH LOCATION. SQUARE D, CUTLER HAMMER WILL BE CONSIDERED. MATCH BASE BUILDING DISTRIBUTION EQUIPMENT.

17.G. WIRING DEVICES: ALL DEVICES SHALL BE MOUNTED IN A RECESSED JUNCTION BOX AND SHALL BE THE PRODUCT OF THE SAME MANUFACTURER, P&S, HUBBELL, BRYANT OR ARROW-HART. SEE ARCHITECTS SPECIFICATION FOR DEVICE COLOR AND COVER PLATE.
- 17.H.1. KEYED SWITCHES: HUBBELL LV SERIES LOW VOLTAGE TYPE.
- 17.H.2. DIMMER SWITCHES: LUTRON NOVA T-STAR SERIES. DIMMERS SHALL BE THE TYPES TO CONTROL LOADS AND VOLTAGES (0-10V OR PHASE) AS INDICATED ON THE FLOOR PLANS. DIMMERS MAY BE GANGED.
- 17.H.1. BASIS OF DESIGN: (EQUAL DEVICE MANUFACTURERS WILL BE CONSIDERED)
- 17.H.2. RECEPTACLES: 20A, GROUNDING TYPE, SPECIFICATION GRADE UNLESS OTHERWISE NOTED.
- 17.H.3. SPECIAL RECEPTACLES: 250VOLT RATED 30A OR MORE SHALL BE SIMPLEX OUTLETS, SPECIFICATION GRADE, OF THE SAME MANUFACTURER AS THE OTHER DEVICES. THE NEMA CONFIGURATION SHALL BE AS INDICATED ON FLOOR PLANS.

17.I. ALL RECEPTACLES SHALL BE, SPECIFICATION GRADE WITH A GROUNDING CONDUCTOR WIRED THROUGH AND CONNECTED TO ALL RECEPTACLES. PROVIDE PIGTAILS FROM GROUND CONDUCTOR, ONE TO GROUND CONNECTOR ON RECEPTACLE AND ONE TO THE BACK BOX.

17.J. RECEPTACLES MOUNTED IN FIRE AND/OR SMOKE RATED WALLS SHALL BE MINIMUM 25" APART.

17.K. DEVICE PLATES: SEE ARCHITECTURAL SPECIFICATIONS FOR TYPE AND COLOR. REPLACE ALL EXISTING DEVICE PLATES IN AREAS OF RENOVATION.

17.L. OUTLET BOXES: OUTLET BOXES SHALL BE RECESSED MOUNTED AND SHALL BE CODE GAUGE STEEL AND OF SIZE REQUIRED FOR SPECIFIC CONDITIONS.

17.M. TELEPHONE CONDUITS: PROVIDE ALL CONDUIT, OUTLET BOXES, TERMINAL BOXES, ETC. REQUIRED FOR THE INSTALLATION OF TELEPHONE SERVICE CABLES. COORDINATE THE EQUIPMENT LOCATIONS WITH THE OWNER AND THE TELEPHONE UTILITY COMPANY. TERMINATE CONDUIT IN TELEPHONE SERVICE ROOM.

17.N. TELEPHONE/DATA OUTLETS: PROVIDE PLASTER RING FOR RECESSED MOUNTED DEVICE WITH TWO PULLSTRINGS TO CEILING PLENUM, FOR ALL INSULATED PARTITIONS AND WALLS, PROVIDE RECESSED DEVICE BOX WITH ¾" CONDUIT WITH TWO PULLSTRINGS TO ACCESSIBLE CEILING PLENUM.

17.O. ALL LIGHTING SWITCHES AND RECEPTACLES CONNECTED TO EMERGENCY CIRCUITS SHALL BE FACTORY FINISHED RED DEVICES.

17.P. PROVIDE IDENTIFICATION LABELS FOR LIFE SAFETY, CRITICAL AND EQUIPMENT BRANCHES ON THE EMERGENCY PANELBOARDS, AUTOMATIC TRANSFER SWITCHES AND FUSED SAFETY SWITCHES.

18. LIGHTING FIXTURES AND LAMPS:

18.A. PROVIDE COMPLETE SYSTEM OF LIGHTING FIXTURES, LAMPS, ACCESSORIES AND SUPPORTS AS SPECIFIED AND SHOWN. FOR TYPES, REFER TO SCHEDULE.

18.B. COORDINATE THE LIGHTING FIXTURE LAYOUT WITH THE ARCHITECTURAL REFLECTED CEILING PLAN. ALL LIGHTING FIXTURES MOUNTED IN OR ON LAY-IN CEILING TILES SHALL BE LOCATED IN CENTER OF TILE UNLESS OTHERWISE APPROVED BY ARCHITECT.

19. DIGITAL LIGHTING CONTROLS: PROVIDE A PLUG N' GO DIGITAL LIGHTING CONTROL SYSTEM WITH ALL NECESSARY CONTROLLERS, DEVICES, ENCLOSURES, WIRING, SOFTWARE, SYSTEM COMPONENTS AND ACCESSORIES TO ENSURE A COMPLETE AND PROPERLY FUNCTIONING SYSTEM AS INDICATED ON THE DRAWINGS AND SPECIFIED HEREIN. IF A CONFLICT IS IDENTIFIED, BETWEEN DRAWINGS AND SPECIFICATIONS, CONTACT ARCHITECT OR ENGINEER FOR CLARIFICATION PRIOR TO PROCEEDING. ACCEPTABLE MANUFACTURERS: WATTSTOPPER (DLM), HUBBELL (NX CONTROLS), EATON (GREENGATE), OR APPROVED EQUIVALENT.

19.A. DIGITAL ROOM CONTROLLERS: SELF-CONFIGURING, DIGITALLY ADDRESSABLE, PLENUM-RATED CONTROLLERS FOR ON/OFF SWITCHING AND/OR 0-10V DIMMING.
- 19.A.1. 120/277V, 60HZ, 20A, 1P
- 19.A.2. REAL-TIME CURRENT MONITORING.
- 19.A.3. ONE, TWO OR THREE RELAYS CONFIGURATION
- 19.A.4. SMART 250MA SWITCHING POWER SUPPLY
- 19.A.5. FOUR RJ-45 LOCAL NETWORK PORTS
- 19.A.6. ONE DIMMING OUTPUT PER RELAY

19.B. DIGITAL SWITCHING: SELF-CONFIGURING, DIGITALLY ADDRESSABLE PUSHBUTTON ON/OFF, 0-10V DIMMING, AND SCENE SWITCHES.
- 19.B.1. 1,2,3,4,5 OR 8 BUTTON CONFIGURATIONS
- 19.B.2. REMOVABLE AND ENGRAVABLE BUTTONS
- 19.B.3. SCENE STATUS LED
- 19.B.4. TWO RJ-45 PORTS FOR CONNECTION TO DIGITAL SYSTEM NETWORK OR OTHER SWITCHES VIA LOCAL NETWORK
- 19.B.5. SCENES CAN BE REPROGRAMMED AND RECONFIGURED FOR INDIVIDUAL BUTTONS

19.C. DIGITAL OCCUPANCY SENSORS: SELF-CONFIGURING, DIGITALLY ADDRESSABLE AND CALIBRATED OCCUPANCY SENSORS.
- 19.C.1. PASSIVE INFRARED (PIR), ULTRASONIC, OR DUAL TECHNOLOGY
- 19.C.2. SENSITIVITY, 0-100 PERCENT IN 10-PERCENT INCREMENTS
- 19.C.3. TIME DELAY, 1-20 MINUTES IN 1-MINUTE INCREMENTS
- 19.C.4. MANUAL ON (VACANCY) MODE OR AUTOMATIC PARTIAL ON (OCCUPANCY) MODE.
- 19.C.5. ONE OR TWO RJ-45 PORTS FOR CONNECTION TO DIGITAL SYSTEM NETWORK OR OTHER SENSORS
- 19.C.6. SENSOR STATUS LED
- 19.C.7. MANUAL OVERRIDE OF CONTROLLED LOADS

19.D. DIGITAL ZONE CONTROLLER: A DIGITAL CONTROLLER THAT PROVIDES POWER AND CONNECTIVITY TO DIGITAL SYSTEM ROOM AND LOAD CONTROLLERS, AND ENABLES AUTOMATION OF LIGHTING FUNCTIONS, I.E. ASTRONOMICAL TIME-CLOCK FUNCTION.
- 19.D.1. 120/277V, 60HZ, 20A, 1P
- 19.D.2. TWO RJ-45 PORTS FOR CONNECTION FOR DIGITAL SYSTEM NETWORK
- 19.D.3. SUPPORT UP TO 94 COMMUNICATING DEVICES AND UP TO 64 CONNECTION LOADS
- 19.D.4. SUPPORTS ASTRONOMICAL, TIME-BASED, AND PHOTOCELL-BASED EVENT TYPES
- 19.D.5. OPTIONAL CONNECTION TO BUILDING AUTOMATION SYSTEM (BAS)

19.E. DIGITAL TOUCH SCREEN: MULTI-ZONE, DIGITALLY ADDRESSABLE, TOUCHSCREEN LCD PANEL CAPABLE OF SWITCHING AND DIMMING OF FIXTURES, SHADE CONTROLS, SCHEDULES, AND TIMERS.
- 1.E.1. TOUCHSCREEN LCD PANEL WITH PROJECTED CAPACITIVE TOUCH INTERFACE
- 1.E.2. CONFIGURABLE FOR A MINIMUM OF 16 ZONES AND PRESETS
- 1.E.3. PASSWORD ACCESS CONTROL
- 2.E.4. MOUNTS TO A STANDARD SINGLE-GANG WALL BOX
- 2.E.5. MULTIPLE LEVELS OF SYSTEM CONTROL AND MODIFICATION PROVIDED AT DIFFERENT LAYERS OF THE USER INTERFACE WITHOUT SYSTEM REPROGRAMMING.
- 2.E.6. RJ-45 PORT.

2.F. DIGITAL DAYLIGHTING SENSORS: SINGLE-ZONE CLOSED LOOP, MULTI-ZONE OPEN LOOP AND SINGLE-ZONE DUAL-LOOP DAYLIGHTING SENSORS FOR DAYLIGHT HARVESTING USING CONTINUOUS DIMMING CONTROL.
- 1.F.1. SENSOR'S INTERNAL PHOTODIODE SHALL ONLY MEASURE LIGHTWAVES WITHIN THE VISIBLE SPECTRUM
- 1.F.2. SENSOR LIGHT LEVEL RANGE SHALL BE FROM 1-6,553 FOOT-CANDLES (FC)
- 1.F.3. CAPABILITY OF CONTINUOUS DIMMING, FOR EACH CONTROLLED ZONE, DEPENDING ON THE SELECTION OF LOAD CONTROLLER(S) AND LOAD BINDING TO CONTROLLER(S)
- 1.F.4. FOR DIMMING DAYLIGHT HARVESTING, THE PHOTOSENSOR SHALL PROVIDE THE OPTION, WHEN THE DAYLIGHT CONTRIBUTION IS SUFFICIENT, OF TURNING LIGHTS OFF OR DIMMING LIGHTS TO A FIELD-SELECTABLE MINIMUM LEVEL
- 1.F.5. PHOTOSENSORS SHALL HAVE A DIGITAL, INDEPENDENTLY CONFIGURABLE FADE RATE FOR BOTH INCREASING AND DECREASING LIGHT LEVEL IN UNITS OF PERCENT PER SECOND
- 1.F.6. PHOTOSENSORS SHALL PROVIDE ADJUSTABLE CUT-OFF TIME. CUT-OFF TIME IS DEFINED BY THE NUMBER OF SELECTED MINUTES THE LOAD IS AT THE MINIMUM OUTPUT BEFORE THE LOAD TURNS OFF. SELECTABLE RANGE BETWEEN 0-240 MINUTES INCLUDING OPTION TO NEVER CUT-OFF
- 1.F.7. SENSOR STATUS LED
- 1.F.8. ONE RF-45 PORT FOR CONNECTION TO DIGITAL SYSTEM NETWORK.

1.G. EMERGENCY LIGHTING CONTROL RELAY: ALLOWS A STANDARD LIGHTING CONTROL DEVICE TO CONTROL EMERGENCY LIGHTING IN CONJUNCTION WITH NORMAL LIGHTING IN ANY AREA WITHIN A BUILDING.
- 1.G.1. UL 924 LISTED DEVICE
- 1.G.2. 120/277 VOLTS, 50/60 HZ, 20A BALLAST RATING
- 1.G.3. PUSH TO TEST BUTTON
- 1.G.4. AUXILIARY CONTACT FOR REMOTE TEST OR FIRE ALARM SYSTEM INTERFACE

1.H. DIGITAL PARTITION CONTROLS: ENABLE MANUAL OR AUTOMATIC COORDINATION OF LIGHTING CONTROLS IN FLEXIBLE SPACES WITH UP TO FOUR MOVEABLE WALLS BY RECONFIGURING THE CONNECTED DIGITAL SWITCHES AND OCCUPANCY SENSORS.
- 1.H.1. PUSHBUTTON SWITCH FOR MANUAL CONTROL
  - 1.H.1.a. REMOVABLE AND ENGRAVABLE BUTTONS
  - 1.H.1.b. SCENE STATUS LED
  - 1.H.1.c. TWO RJ-45 PORTS FOR CONNECTION TO DIGITAL SYSTEM NETWORK
- 1.H.2. CONTACT CLOSURE INTERFACE
  - 1.H.2.a. CLASS 2 POWER SUPPLIED BY DIGITAL SYSTEM NETWORK
  - 1.H.2.b. 24VDC OUTPUT AND FOUR INPUT TERMINALS TO ALLOW FOR THIRD PARTY CONTACT CLOSURE INPUT
  - 1.H.2.c. INPUT MAX. SINK/SOURCE CURRENT: 1-5MA
  - 1.H.2.d. LOGIC INPUT SIGNAL VOLTAGE HIGH: > 18VDC
  - 1.H.2.e. LOGIC INPUT SIGNAL VOLTAGE LOW: < 2VDC
  - 1.H.2.f. TWO RJ-45 PORTS FOR CONNECTION TO DIGITAL SYSTEM NETWORK.

3. GROUNDING SYSTEM:

3.A. EQUIPMENT: GROUND NON-CURRENT CARRYING METAL PARTS OF THE ELECTRICAL SYSTEM. PROVIDE A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR WITH ALL FEEDERS AND BRANCH CIRCUITS, SIZED IN ACCORDANCE WITH THE OVERPROTECTIVE DEVICE SERVING THAT FEEDER OR BRANCH CIRCUIT.

4. FIRE ALARM SYSTEM:

4.A. PROVIDE COMPONENTS AS SPECIFIED AND SHOWN. SEE FIRE ALARM SYSTEM NOTES ON PLANS AND THE SHOP DRAWING REQUIREMENTS NOTE 16.D.2 ALL DEVICES SHALL BE MOUNTED IN RECESSED JUNCTION BOX UNLESS OTHERWISE NOTED.

4.B. PROVIDE FIRE ALARM SYSTEM WIRING REQUIRED. FIRE ALARM SYSTEM WIRING SHALL COMPLY WITH NFPA 70 AND NEC ARTICLE 760 AND THE RECOMMENDATION OF THE SYSTEM MANUFACTURER. FIRE ALARM SYSTEM WIRING SHALL BE CONCEALED MC RATED CABLE.

4.C. MORE THAN TWO VISIBLE NOTIFICATION APPLIANCES IN THE SAME ROOM OR ADJACENT SPACE WITHIN THE FIELD OF VIEW SHALL FLASH IN SYNCHRONIZATION. THIS REQUIREMENT SHALL NOT PRECLUDE SYNCHRONIZATION OF APPLIANCES THAT ARE NOT WITH THE SAME FIELD OF VIEW. FLASH RATE SHALL NOT EXCEED 3 PER SECOND OR BE LESS THAN 1 PER 3 SECONDS.

4.D. PROVIDE AUDIBLE AND VISUAL DEVICES THAT ARE CROSS LISTED AND COMPATIBLE WITH THE BASE BUILDING SYSTEM.

4.E. REPLACE ALL EXISTING FIRE ALARM DEVICES IN AREAS OF RENOVATION.

5. DEMOLITION:

5.A. DEMOLITION DRAWINGS ARE BASED ON ARCHITECTURAL PLANS, EXISTING PLANS AND FIELD SURVEY. COORDINATE DEMOLITION WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS.

5.B. FOR PLAN LINETYPE DESIGNATIONS OF REMOVED, RELOCATED, EXISTING AND NEW DEVICES REFER TO THE ELECTRICAL SYMBOLS LIST.

5.C. DEVICES BEYOND REMODELED AREAS OF THIS CONTRACT THAT ARE WIRED THROUGH OR FROM OUTLETS TO BE REMOVED OR ABANDONED SHALL REMAIN AND REMAIN OPERABLE.

5.D. REMOVE ALL ACCESSIBLE EXISTING CONDUIT INCLUDING FITTINGS, MOUNTING DEVICES, MOUNTING HARDWARE ETC. NOT BEING USED. PROVIDE CONDUIT CAPS FOR ALL ABANDONED CIRCUITS THAT ARE TO REMAIN.

5.E. THE CONTRACTOR SHALL REMOVE THE CONDUIT FEEDING DEMOLISHED RECEPTACLES AND ELECTRICAL DEVICES THAT ARE FED FROM UNDER THE FLOOR SLAB OR ARE EMBEDDED IN A WALL NOT SCHEDULED TO BE DEMOLISHED TO 2" BELOW EXISTING FLOOR LEVEL OR WITH THE WALL.

5.F. REMOVE ALL EXISTING WIRE AND CABLE NOT BEING USED.

5.G. WHERE EXISTING ELECTRICAL DEVICES ARE SHOWN BEING REMOVED AND JUNCTION BOXES ARE NOT BEING RE-USED, REMOVE EXISTING WIRE AND CABLE, PROVIDE BLANK COVERPLATE AND PAINT TO MATCH EXISTING.

5.H. WHERE POKE-THRU DEVICES ARE BEING REMOVED, PATCH CORE DRILL HOLES AS REQUIRED TO MAINTAIN FIRE SEPARATION/FLOOR RATING. SAVE EXISTING WIRING AND CONDUITS SERVING REMOVED POKE-THRU FOR FUTURE USE BY DE-ENERGIZING THE WIRES AND TERMINATING IN THE NEAREST JUNCTION BOX.

5.I. ITEMS TO BE SALVAGED FOR REUSE OR DELIVERY TO OWNER SHALL BE PROTECTED AND STORED IN CONDITIONED SPACE BY CONTRACTOR UNTIL REUSED OR TRANSFERRED TO OWNER. PROVIDE A TYPEWRITTEN INVENTORY TO OWNER INCLUDING ALL ELECTRICAL DEVICES BEING REMOVED: I.E. FIXTURES, SWITCHES, ETC. ALL MATERIALS REMOVED UNDER DEMOLITION THAT ARE NOT DESIGNATED TO BE RETURNED TO THE OWNER SHALL BE PROPERLY AND LEGALLY DISPOSED FROM THE PROJECT SITE.

5.J. ALL DEMOLITION WORK SHALL BE SCHEDULED AND COORDINATED AT TIMES CONVENIENT TO THE OWNER OR BUILDING MANAGEMENT.

6. INSTALLATION:

6.A. SECURE ALL SUPPORTS TO BUILDING STRUCTURE. SUPPORT HORIZONTAL RUNS OF CONDUIT NOT MORE THAN 10 FEET APART. RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.

6.B. CUT CONDUIT ENDS SQUARE, REAM SMOOTH AND DRAW UP TIGHT WITH CONDUIT COUPLINGS. PROVIDE NYLON BUSHING AT ALL OPEN CONDUIT ENDS.

6.C. LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS.

6.D. SET BOXES SQUARE AND TRUE WITH BUILDING FINISH.

6.E. ALL BRANCH CIRCUIT WIRING, CONDUIT AND FEEDERS SHALL BE INSTALLED CONCEALED BEHIND BUILDING FINISHES UNLESS OTHERWISE NOTED.

6.F. ALL TELEPHONE/DATA CIRCUIT WIRING, AND CONDUIT SHALL BE INSTALLED CONCEALED BEHIND BUILDING FINISHES UNLESS OTHERWISE NOTED.

6.G. COORDINATE LIGHT SWITCH LOCATIONS WITH DOOR SWINGS. SWITCHES SHALL BE INSTALLED ON LATCH SIDE OF DOOR AS CLOSE AS POSSIBLE TO FRAME.

6.H. PROVIDE PULL STRING IN ALL EMPTY CONDUITS.

6.I. JUNCTION AND PULL BOXES: LOCATED GENERALLY NOT EXPOSED IN FINISHED SPACES WHERE NECESSARY, REROUTE CONDUITS OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT. PROVIDE PULL BOXES WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE. COORDINATE LOCATIONS WITH OTHER TRADES. PROVIDE CAST METAL JUNCTION BOXES FOR EXTERIOR LOCATIONS.

6.J. PROVIDE ACCESS PANELS IN ALL INACCESSIBLE CEILING SPACES, AS REQUIRED, BY THE NEC.

6.K. MAINTAIN CODE REQUIRED CLEARANCES FOR DISTRIBUTION EQUIPMENT AND DEVICES IN ALL LOCATIONS.

6.L. ALL WALL, FLOOR, CEILING OR ROOF PENETRATIONS SHALL BE PERPENDICULAR SO THEY CAN BE PROPERLY CAULKED AND/OR FIRE SEALED TO MAINTAIN THE RATING OF THE ASSEMBLY OR A MINIMUM 2-HOUR RATING PENETRATION.

6.M. THE CIRCUIT NUMBERS ARE FOR IDENTIFICATION ONLY. HOMERUNS OF SIMILAR SINGLE PHASE CIRCUITS MAY BE COMBINED IN ONE CONDUIT WITH A COMMON NEUTRAL. PROVIDE NEUTRAL FOR EACH GFI CIRCUIT. ONLY THREE SINGLE PHASE CIRCUITS (120V OR 277V) MAY BE COMBINED IN ANY ONE CONDUIT. ON COMPLETION OF THE PROJECT, BALANCE THE PANEL LOAD UNDER NORMAL OPERATING CONDITIONS. (MAXIMUM 10% DEVIATION BETWEEN PHASES).

6.N. THE NEUTRAL CONDUCTOR SHALL BE MINIMUM SIZE #10 WHEN THREE SINGLE PHASE COMPUTER CIRCUITS ARE COMBINED IN ONE CONDUIT.

6.O. 120 VOLT BRANCH CIRCUITS OVER 100 FEET FROM PANEL TO FIRST OUTLET SHALL HAVE CONDUCTORS ONE SIZE LARGER THAN INDICATED WHETHER INDICATED IN THE PANEL SCHEDULE OR NOT.

6.P. THE QUANTITY OF WIRES MAY NOT BE INDICATED FOR ALL CIRCUITS. ONLY THOSE WHERE CLARIFICATION IS NECESSARY ARE INDICATED. PROVIDE ALL WIRES NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM WHETHER INDICATED ON PLANS OR NOT.

6.Q. ALL EQUIPMENT, SUCH AS STARTERS, RELAYS, CONTACTORS, SWITCHES, PANELS, AND OTHER DISTRIBUTION EQUIPMENT SHALL HAVE IDENTIFICATION PLATES OF BLACK LAMINATED PLASTIC WITH 1/2" WHITE LETTERS. EQUIPMENT IDENTIFICATION SHALL MATCH THE CONTRACT DOCUMENTS.

6.R. ELECTRICAL METALLIC TUBING SHALL BE USED FOR EMERGENCY AND LIFE SAFETY LOADS.

6.S. LABEL CIRCUIT NUMBERS IN BACK BOXES OF ALL DEVICES.

6.T. INSTALL DIGITAL LIGHTING CONTROL SYSTEM IN ACCORDANCE WITH APPROVED SHOP DRAWINGS AND MANUFACTURER'S INSTRUCTIONS.

6.U. INSTALL ALL DIGITAL LIGHTING CONTROL SYSTEM ROOM/AREA DEVICES USING MANUFACTURER'S FACTORY-TESTED CAT 5E CABLE WITH PRE-TERMINATED RJ-45 CONNECTORS.

6.V. TEST ALL DIGITAL LIGHTING CONTROL SYSTEM DEVICES TO ENSURE PROPER COMMUNICATIONS.

6.W. CALIBRATE ALL DIGITAL LIGHTING CONTROL SENSOR TIME DELAYS AND SENSITIVITY TO GUARANTEE PROPER DETECTION OF OCCUPANTS AND ENERGY SAVINGS. ADJUST TIME DELAY SO THAT CONTROLLED AREA REMAINS LIGHTED WHILE OCCUPIED.

6.X. FOR DIGITAL LIGHTING CONTROL SYSTEM, ENGAGE A FACTORY-AUTHORIZED SERVICE REPRESENTATIVE TO INSPECT COMPONENTS, ASSEMBLIES, AND EQUIPMENT INSTALLATIONS, INCLUDING CONNECTIONS, AND TO ASSIST IN TESTING. NOTIFY ARCHITECT AND MANUFACTURER IN WRITING A MINIMUM OF 3 WEEKS PRIOR TO SYSTEM START-UP AND TESTING.

6.Y. FOR DIGITAL LIGHTING CONTROL SYSTEM, MANUFACTURER'S SERVICE REPRESENTATIVE SHALL PERFORM THE FOLLOWING INSPECTIONS AND PREPARE REPORTS.
- 24.Y.1. VERIFY CLASS I AND II WIRING CONNECTIONS ARE TERMINATED PROPERLY BY VALIDATING SYSTEM PERFORMANCE.
- 24.Y.2. SET IP ADDRESSES AND OTHER NETWORK SETTINGS OF SYSTEM FRONT END HARDWARE PER FACILITIES IT INSTRUCTIONS.
- 24.Y.3. VERIFY / COMPLETE TASK PROGRAMMING FOR ALL SWITCHES, DIMMERS, TIME CLOCKS, AND SENSORS.
- 24.Y.4. VERIFY THAT THE CONTROL OF EACH SPACE COMPLIES WITH THE SEQUENCE OF OPERATION.
- 24.Y.5. CORRECT ANY SYSTEM ISSUES AND RETEST

24.Z. FOR DIGITAL LIGHTING CONTROL SYSTEM, AND BEFORE SUBSTANTIAL COMPLETION, ARRANGE AND PROVIDE A ONE-DAY OWNER INSTRUCTION PERIOD TO DESIGNATED OWNER PERSONNEL. SET-UP, STARTING OF THE LIGHTING CONTROL SYSTEM AND OWNER INSTRUCTION INCLUDES:
- 24.Z.1. CONFIRMATION OF ENTIRE SYSTEM OPERATION AND COMMUNICATION TO EACH DEVICE.
- 24.Z.2. CONFIRMATION OF OPERATION OF INDIVIDUAL RELAYS, SWITCHES, AND SENSORS.
- 24.Z.3. CONFIRMATION OF SYSTEM PROGRAMMING, PHOTOCELL SETTINGS, OVERRIDE SETTINGS, ETC.
- 24.Z.4. PROVIDE TRAINING TO COVER INSTALLATION, PROGRAMMING, OPERATION, AND TROUBLESHOOTING OF THE LIGHTING CONTROL SYSTEM.

25. MECHANICAL COORDINATION:

25.A. MECHANICAL EQUIPMENT MOTORS AND CONTROLLERS: PROVIDE ALL POWER WIRING FROM PANELS, SWITCHES, ETC. THROUGH CONTROLLERS AND TO THE MOTORS AND OTHER EQUIPMENT INDICATED ON THE PLANS. ALL CONTROL WIRING SHALL BE THE RESPONSIBILITY OF THE MECHANICAL TRADE.

25.B. ALL ELECTRICAL DEVICES SUCH AS PUSH BUTTON STATIONS, SELECTOR SWITCHES, FLOW SWITCHES, PILOT LIGHT, THERMOSTATS, ETC. FOR CONTROL OR OPERATION OF THE HVAC AND PLUMBING EQUIPMENT SHALL BE WIRED BY THE MECHANICAL TRADE.

25.C. IN ALL CASES WHERE THE STARTERS ARE ACTUATED BY AUTOMATIC CONTROLS OR OTHER DEVICES SPECIFED, THE MECHANICAL TRADE SHALL PROVIDE ALL NECESSARY COMPONENTS TO ACTUATE STARTERS AT 120 VOLTS.

25.D. WIRING FOR AUTOMATIC TEMPERATURE CONTROL SHALL BE PROVIDED BY THE MECHANICAL TRADE. ALL OTHER CONTROL WIRING, INCLUDING INTERLOCK WIRING, FOR EQUIPMENT SHALL BE PROVIDED BY THE MECHANICAL TRADE UNLESS OTHERWISE NOTED.

25.E. HORSEPOWER RATINGS SHOWN ARE APPROXIMATE. PROVIDE THE REQUIRED ACCESSORIES AND WIRING FOR THE MOTOR SIZES INSTALLED.

25.F. ALL EXHAUST FANS SHALL HAVE SWITCHES AND FIRESTATS PROVIDED. PROVIDE AND WIRE ALL SWITCHES AND FIRESTATS.

25.G. ALL JUNCTION BOXES AND/OR OUTLET BOXES NOT USED IN FINISHED AREAS SHALL HAVE STAINLESS STEEL, BLANK COVERPLATES. ALL OTHER UNUSED BOXES SHALL HAVE STANDARD STEEL COVERPLATES.

25.H. ELECTRICAL DISCONNECTS AND ASSOCIATED CIRCUITRY OF VAVS IDENTIFIED AS EXISTING TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. REPAIR CIRCUIT IF AFFECTED AS A RESULT OF DEMOLITION.

25.I. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT WITH PULLSTRING BEHIND WALLS AND BULKHEADS FOR OWNER PROVIDED IT EQUIPMENT.

DRAWING LIST - ELECTRICAL

E-000	COVER SHEET - ELECTRICAL
E-001	DETAILS - ELECTRICAL
E-002	SEQUENCE OF OPERATIONS - ELECTRICAL
E-100	LEVEL G1, G2, G3 LOBBY - DEMOLITION - ELECTRICAL
E-101	LEVEL 1 - DEMOLITION - ELECTRICAL
E-102	LEVEL 2 - DEMOLITION - ELECTRICAL
E-103	LEVEL 3 - DEMOLITION - ELECTRICAL
E-109	LEVEL 9 - DEMOLITION - ELECTRICAL
E-200	LEVEL G1, G2, G3 LOBBY - LIGHTING - ELECTRICAL
E-201	LEVEL 1 - LIGHTING - ELECTRICAL
E-202	LEVEL 2 - LIGHTING - ELECTRICAL
E-203	LEVEL 3 - LIGHTING - ELECTRICAL
E-209	LEVEL 9 - LIGHTING - ELECTRICAL
E-301	LEVEL 1 - POWER - ELECTRICAL
E-302	LEVEL 2 - POWER - ELECTRICAL
E-303	LEVEL 3 - POWER - ELECTRICAL
E-309	LEVEL 9 - POWER - ELECTRICAL
E-400	LEVEL G1, G2, G3 LOBBY - HVAC POWER AND FIRE ALARM - ELECTRICAL
E-401	LEVEL 1 - HVAC POWER AND FIRE ALARM - ELECTRICAL
E-402	LEVEL 2 - HVAC POWER AND FIRE ALARM - ELECTRICAL
E-403	LEVEL 3 - HVAC POWER AND FIRE ALARM - ELECTRICAL
E-409	LEVEL 9 - HVAC POWER AND FIRE ALARM - ELECTRICAL
E-500	POWER RISER DIAGRAM - ELECTRICAL
E-501	PANEL SCHEDULES - ELECTRICAL
E-502	PANEL SCHEDULES - ELECTRICAL

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Construction Documents for:
ARLINGTON COUNTY OFFICES RENOVATION
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

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PERMIT
Revisions

COVER SHEET - ELECTRICAL

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LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG #	DESCRIPTION	LAMPS	VOLTS	LAMP WATTS	NOTES
A	LITON	LRLD2521-L09-B60-35K-UE-DUN	RECESSED LED DOWNLIGHT FIXTURE, 0-10V DIMMING	LED	120/277	15	
A1	LITON	LRALD6WWF102 -T35 ; LHALD6R12C035UE-D10	RECESSED LED 6" DOWNLIGHT FIXTURE, 0-10V DIMMING	LED	120/277	12	
A2	LITON	LRLD2521-L14-B60-35K-UE-DUN	RECESSED LED DOWNLIGHT FIXTURE, 0-10V DIMMING	LED	120/277	22	
A3	GREENCREATIVE	12NCDL R6DIM 9 35 277V/ EXT	THINGIT 6" COMMERCIAL DOWNLIGHT, 0-10V DIMMING	LED	120-277	12	
B	XAL	BASO1.5 - OP-35K-80-UNV-010V-0400LF	RECESSED LED LINEAR FIXTURE, 0-10V DIMMING	LED	UNV	5W/FT	
C	XAL	MOVE1.1-XXX-XX-48/-010V ; MOVEINS-JUST55-35K-C90-010V-1100LM	LED TRACK LIGHT, 0-10V DIMMING	LED	120/277	15W/FT	PROVIDE POWER SUPPLY CODE (0-10V) N80560320LD
C1	XAL	MOVE1.1-XXX-XX-48/-010V ; MOVEINS-JUST45-35K-C90-010V-0700LM	LED TRACK LIGHT, 0-10V DIMMING	LED	120/278	11W/FT	PROVIDE POWER SUPPLY CODE (0-10V) N80560320LD
D	LIGHTING ELEMENTS	LE-0L22-24W-35K	RECESSED 2X2' LED FIXTURE, 0-10V DIMMING	LED	UNV	24	
D1	LIGHTING ELEMENTS	LE-0L24-36W-35K	RECESSED 2X4' LED FIXTURE, 0-10V DIMMING	LED	120/277	36	
F	SENSO	565-135-XXX-175-35-902-24-LCS-277	SURFACE MOUNT LED, 0-10V DIMMING	LED	277	4.4	
G1	LUX	EOS3.0-R-GRZ-500-XXX-35K-9-1-UNV-S1	WALL GRAZE LED FIXTURE, 0-10V DIMMING	LED	UNV	23.8W/FT	
G2	LUX	EOS3.0-R-GRZ-500-XXX-35K-9-1-UNV-S1	WALL GRAZE LED FIXTURE, 0-10V DIMMING	LED	UNV	23.8W/FT	
H	XAL	TASK-4-X-1-C-7-2-2-0-D-7-2-2-0	4FT LED SUSPENDED LIGHT FIXTURE, 0-10V DIMMING	LED	UNV	19	
J	FOLIO	BASE 1 + VITI, 4000K	LED PANEL FIXTURE, TWO STRIPS PER PANEL, DIMMABLE	LED	UNV	26W/FT	
K1	LIGHTING ELEMENTS	MT-2-RP-M-35-E ; MTDRV-2-D2-UNV	RECESSED LINEAR LED FIXTURE	LED	UNV	5W/FT	
L	LUMOS	LC4-24-3500	PENDANT MOUNT LED FIXTURE, 0-10V DIMMING	LED	120-277	35	
L1	LUMOS	LC4-48-3500	PENDANT MOUNT LED FIXTURE, 0-10V DIMMING	LED	120-277	60	
L2	LUMOS	LC4-72-3502	PENDANT MOUNT LED FIXTURE, 0-10V DIMMING	LED	120-277	98	
N-01	DIODE LED	REFER TO ARCHITECT'S DRAWINGS	LED TAPE FIXTURE W/ 0-10V DIMMING	LED	120/277	2.1W/FT	
N-02	DIODE LED	D1-12V-BLX1-35-010 ; DI-DM-MW24V60W-0-10V-LPS	LED TAPE FIXTURE W/ 0-10V DIMMING	LED	120/277	1.54W/FT	
N-03	DIODE LED	D1-12V-BLX1-35-010 ; DI-DM-MW24V60W-0-10V-LPS	LED TAPE FIXTURE W/ 0-10V DIMMING	LED	120/277	1.54W/FT	
N-04	DIODE LED	D1-12V-BLX3-35-010 ; DI-DM-MW24V60W-0-10V-LPS	LED TAPE FIXTURE W/ 0-10V DIMMING	LED	120/277	4.3W/FT	
P	SEASCAPE LAMPS	PRODUCT SEAP217223 - 24"	PENDANT LED FIXTURE W/ ELV DIMMING	(2)25W E26	120	50	PROVIDE LED LAMPS W/ 3500K
P1	SEASCAPE LAMPS	PRODUCT SEAP217223 - 30"	PENDANT LED FIXTURE W/ ELV DIMMING	(2)25W E26	120	50	
R	D'STYLE	MIKA PENDANT - MODEL CF9194	CUSTOM PENDANT W/ LED BULB AT 3500K	LED	120	16	
R1	D'STYLE	MIKA PENDANT - MODEL CF9194	CUSTOM PENDANT W/ LED BULB AT 3500K	LED	120	16	
S	LUMETTA	SMS348 - L418-LED 6320	DRUM SURFACE MOUNT LED AT 3500K, 0-10V DIMMING	LED	UNV	44.8	
T	BOVER	DRIP PENDANT LAMP	PENDANT LED FIXTURE	LED	120	3	
U	KARTELL	9030/9031	CUSTOM PENDANT W/ LED BULBS	LED E26	120	25	
V	TOM DIXON	ETS03SEU	CUSTOM PENDANT W/ LED BULBS, DIMMABLE	LED	120	11	
Y	TECH LIGHTING	700-MINAP-TD-LED930	CUSTOM PENDANT W/ LED BULB, DIMMABLE	LED	120	9	
X	PHILIPS CHLORIDE	45VL (RED LETTERING)	EDGE-LIT, LED, EXIT WITH RED LETTERING	LAMPS INCL.	120/277	4	
Z	LITHONIA LIGHTING	FMLWL 24 840	LED WRAP LIGHT LED FIXTURE 24"	LED	120	19.6	

LIGHTING FIXTURE NOTES

1. EQUAL LIGHTING FIXTURE MANUFACTURERS WILL BE CONSIDERED.
2. CONTRACTOR SHALL PROVIDE PROJECTED DELIVERY DATES FOR ALL SUPPLIED FIXTURES WITH SUBMITTAL, FAILURE WILL RESULT IN REJECTION WITH NO REVIEW.
3. ALL NEW LAMPS SHALL BE THE SAME COLOR TEMPERATURE, 3500K, OR MATCH EXISTING LAMP TEMPERATURE UNLESS OTHERWISE NOTED.
4. SUPPORT ALL RECESSED FIXTURES FROM BUILDING STRUCTURE WITH MINIMUM #12 CEILING HANGER WIRE, FROM EACH CORNER OF FIXTURE.
5. FOR EXACT LIGHTING LOCATIONS, SEE ARCHITECTURAL REFLECTED CEILING PLANS.
6. PROVIDE MOUNTING TYPES, FACES, AND DIRECTIONAL ARROWS AS INDICATED ON THE FLOOR PLANS FOR ALL EXIT SIGNS.
7. PROVIDE DIMMING POWER SUPPLY AS REQUIRED FOR DIMMED FIXTURES. COORDINATE WITH POWER SUPPLY MANUFACTURER FOR RECOMMENDED DIMMER CONTROLLER. DIMMING CONTROLLER SHALL BE OF SIMILAR APPEARANCE AS ON THE LIGHTING CONTROLLERS.
8. PROVIDE FIXTURES AND ACCESSORY EQUIPMENT THAT WILL OPERATE THE FIXTURE ASSEMBLY ON THE VOLTAGE OF THE CONNECTED CIRCUIT.
9. CONTRACTOR SHALL COORDINATE ALL COLOR AND FINISHES WITH ARCHITECT PRIOR TO SUBMITTAL REVIEW.

ELECTRICAL ABBREVIATIONS

A	AMPS
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AWG	AMERICAN WIRE GUAGE
BRK	BREAKER
C OR COND	CONDUIT
CIRC	CIRCUIT
CLG	CEILING
CU	CONDENSING UNIT
DHC	DUCT HEATING COIL
(E) OR EXIST	EXISTING
(ER)	EXISTING TO BE RELOCATED
EC	EMPTY CONDUIT W/PULL WIRE
EF	EXHAUST FAN
EM	EMERGENCY
EMT	ELECTRIC METALLIC TUBING
EPO	EMERGENCY POWER OFF
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FLA	FULL LOAD AMPS
FT	FOOT
FRACT	FRACTIONAL
FSS	FUSED SAFETY SWITCH
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
GPR	GROUND PENETRATING RADAR
HP	HORSEPOWER
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
JB	JUNCTION BOX
KVA	KILOVOLT AMPS
KW	KILOWATT
MCB	MAIN CIRCUIT BREAKER
+ OR MH	MOUNTING HEIGHT (ABOVE FINISHED FLOOR)
MLO	MAIN LUGS ONLY
MOCP	MAXIMUM OVERCURRENT PROTECTION
(N)	NEW DEVICE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFSS	NON-FUSED SAFETY SWITCH
NO. OR #	NUMBER
OCPD	OVER CURRENT PROTECTION DEVICE
PNL	PANEL
P	POLE
Ø OR PH	PHASE
PFF	PROVISIONS FOR FUTURE
PVC	POLYVINYL CHLORIDE
(R) OR RE	RELOCATED
RGS	RIGID GALVANIZED STEEL
RLA	RUNNING LOAD AMPS
RM	ROOM
RTU	ROOF TOP UNIT
SWBD	SWITCHBOARD
TELE	TELEPHONE
TYP	TYPICAL
UH	UNIT HEATER
V	VOLTAGE
VAV	VARIABLE AIR VOLUME
W	WIRE
W/	WITH
WP	WEATHERPROOF
WH	WALL HEATER
UON	UNLESS OTHERWISE NOTED

ELECTRICAL SYMBOLS

* ALL MOUNTING HEIGHTS SHALL BE AS INDICATED BELOW, UNLESS OTHERWISE NOTED OR INDICATED ON PLANS. (HEIGHT INDICATED IS TO TOP OF DEVICE).
* ALL DEVICES SHALL BE RECESSED MOUNTED FLUSH IN WALL, CEILING OR FLOOR UNLESS OTHERWISE NOTED.
* FOR INSTALLATIONS IN EXISTING CONCRETE SLABS, CONTRACTOR SHALL:
** COORDINATE CORING OR TRENCHING SCHEDULE WITH BUILDING MANAGEMENT TO OCCUR AFTER NORMAL BUSINESS HOURS.
** X-RAY AND/OR GPR SLAB PRIOR TO CORING OR TRENCHING TO ENSURE THAT THE WORK WILL COMPLETELY AVOID INTERFERENCE WITH ANY EXISTING SYSTEMS IN THE SLAB.

GENERAL SYMBOLS

120/208 VOLT, 3 PHASE, 4 WIRE PANELBOARD
277/480 VOLT, 3 PHASE, 4 WIRE PANELBOARD

DEMOLITION PLANS :
FIXTURES AND DEVICES SHOWN WITH DARK DASHED LINES ARE EXISTING TO BE RELOCATED.
FIXTURES AND DEVICES SHOWN WITH LIGHT SOLID LINES ARE EXISTING TO REMAIN.

NEW WORK PLANS :
FIXTURES AND DEVICES SHOWN WITH DARK SOLID LINES ARE NEW.
FIXTURES AND DEVICES SHOWN WITH LIGHT SOLID LINES ARE EXISTING TO REMAIN.
FIXTURES AND DEVICES SHOWN WITH DARK DASHED LINES ARE RELOCATED DEVICES IN THEIR NEW LOCATIONS.

LIGHTING SYMBOLS

S SINGLE POLE SWITCH
S[a] SWITCH CONTROLLING FIXTURES LABELED "a", FOR WIRING WITH OR WITHOUT MOTION SENSORS, SEE WIRING DETAIL FOR ADDITIONAL WIRING INFORMATION.
OS CEILING MOUNTED LOW-VOLTAGE DUAL-TECHNOLOGY DIGITAL VACANCY SENSOR. REFER TO THIS SHEET FOR DETAILS AND SPECIFICATION.
OS CEILING MOUNTED LOW-VOLTAGE DUAL-TECHNOLOGY DIGITAL MOTION SENSOR. REFER TO THIS SHEET FOR DETAILS AND SPECIFICATION.
DL CEILING MOUNTED LOW-VOLTAGE DIGITAL DAYLIGHT SENSOR. REFER TO THIS SHEET FOR WIRING DETAILS.
RC ROOM CONTROLLER. REFER TO THIS SHEET FOR WIRING DETAILS.
S[LVD] LOW VOLTAGE DIGITAL OVERRIDE DIMMER SWITCH.
S[K] KEY SWITCH (+48")
S[EQ] LED TOUCH SCREEN AND KEYPAD LIGHTING CONTROL INTERFACE. COORDINATE WITH VENDOR AND ARCHITECT FOR MOUNTING HEIGHT.
ELS LIFE SAFETY LIGHTING RELAY, SEE DETAILS FOR SPECIFICATION FOR ADDITIONAL INFORMATION.

COMMUNICATIONS / AUXILIARY SYSTEMS SYMBOLS

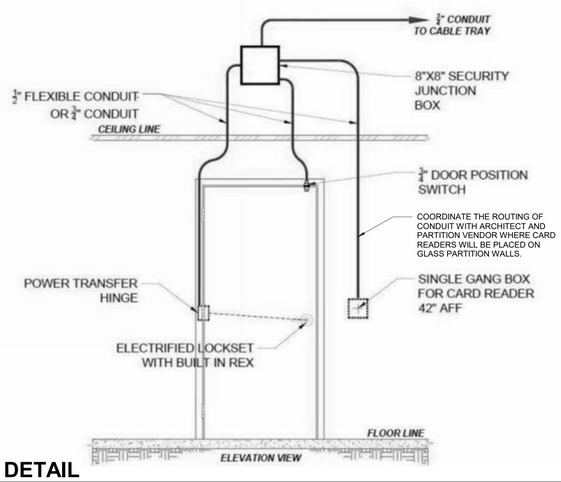
TELEPHONE / DATA WALL OUTLET (+18")
CR CARD READER, PROVIDE WALL MOUNTED JUNCTION BOX AT +48" A.F.F. PROVIDE 1" E.C. WITH PULLSTRING AND TERMINATE STUBBED-UP ABOVE ACCESSIBLE CEILING. REFER TO DOOR DETAIL THIS SHEET.
SP SCREEN PAD FOR CREDENZA, PROVIDE WALL MOUNTED JUNCTION BOX AT +48" A.F.F. PROVIDE 3/4" E.C. WITH PULLSTRING AND TERMINATE STUBBED-UP ABOVE ACCESSIBLE CEILING. REFER TO TV AND CREDENZA DETAIL ON THIS SHEET.
SECURITY CAMERA, COORDINATE W/ SECURITY VENDOR FOR FURTHER INFORMATION. PROVIDE JUNCTION BOX AND 3/4" CONDUIT W/ PULLSTRING ABOVE THE CEILING TO THE NEAREST SECURITY OFFICE. FINAL COORDINATION ITEMS TO BE DETERMINED BY OWNER.
M PROVIDE CEILING MOUNTED JUNCTION BOX FOR MICROPHONE. PROVIDE 3/4" CONDUIT W/ PULLSTRING ABOVE THE CEILING. COORDINATE W/ A/V VENDOR, ARCHITECT AND OWNER FOR FINAL COORDINATION.

POWER SYMBOLS

DUPLEX RECEPTACLE (+18")
DOUBLE DUPLEX RECEPTACLE (+18")
WP WEATHERPROOF DUPLEX RECEPTACLE (+18")
P JUNCTION BOX ABOVE CEILING FOR POWER TO MOTORIZED PROJECTION SCREEN.
S WALL-MOUNTED SWITCH (+48") PROVIDED BY SCREEN MANUFACTURER FOR CONTROL OF PROJECTION SCREEN WITH WIRING AND CONDUIT TO PROJECTOR AS REQUIRED BY MANUFACTURER.
P PROVIDE CEILING MOUNTED JUNCTION BOX FOR POWER TO PROJECTOR.
J JUNCTION BOX
SAFETY SWITCH
MOTOR CONNECTION
SPECIAL, NEMA CONFIGURATION, RECEPTACLE

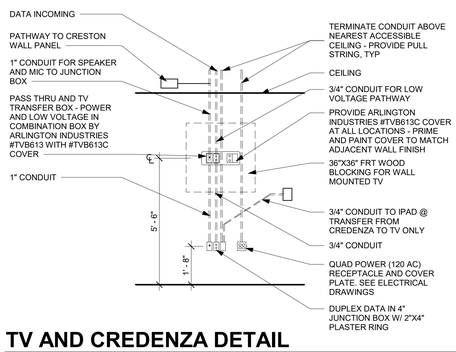
SYSTEMS FURNITURE SYMBOLS

FURNITURE CORE DRILL: DUAL SERVICE FURNITURE FEED WITH ADAPTERS FOR ONE 3/4" (POWER). COORDINATE COLOR/FINISH WITH ARCHITECT.
P ROUTE BRANCH CIRCUIT IN CEILING SPACE BELOW TO NEAREST FULL HEIGHT WALL. AT WALL TURN CONDUIT UP AND TERMINATE STUBBED UP ABOVE ACCESSIBLE CEILING.



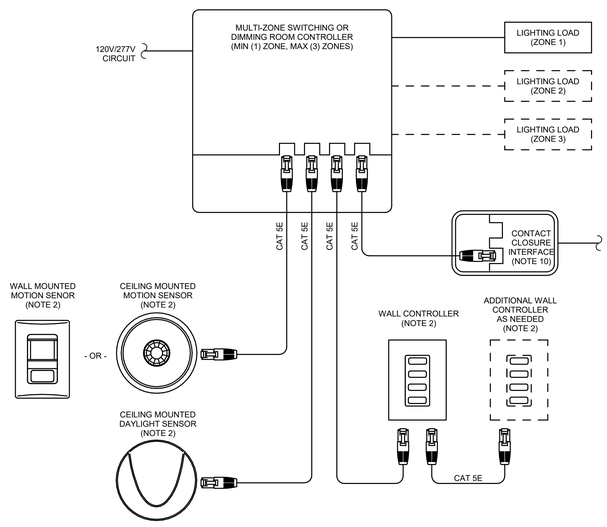
DOOR DETAIL

SCALE:N.T.S



TV AND CREDENZA DETAIL

SCALE:N.T.S



LIGHTING CONTROL DETAIL 2

N.T.S.

DETAIL NOTES

1. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURERS FOR DIGITAL LIGHTING CONTROLS.
2. REFER TO LIGHTING CONTROL SEQUENCE OF OPERATIONS FOR INFORMATION ON SENSORS AND WALL CONTROLLERS SCENES AND ENGRAVINGS.
3. REFER TO LIGHTING PLANS FOR NUMBER OF ZONES PER SPACE/ROOM TYPE.
4. ELECTRICAL CONTRACTOR SHALL REFER TO MANUFACTURER WIRING DIAGRAMS FOR INSTALLATION INFORMATION.
5. FOR EACH SPACE / ROOM TYPE, PROVIDE QUANTITIES OF ROOM CONTROLLERS, WIRING, AND ACCESSORIES AS REQUIRED TO FULFILL REQUIREMENTS OF SWITCHING AND DIMMING ZONES SHOWN ON THE LIGHTING PLANS AND SEQUENCE OF OPERATIONS.
6. FOR ALL CAT5E CABLES, PROVIDE 24-INCH SLACK BETWEEN TERMINATION POINT TO ALLOW FOR REPOSITIONING OF SENSORS AND/OR SWITCHES AFTER INITIAL INSTALL.
7. ELECTRICAL CONTRACTOR SHALL INCLUDE IN SCOPE OF WORK PROGRAMMING OF ALL ROOM CONTROLLERS AND SET POINT ADJUSTMENT OF ROOM SCENES BASED ON OWNER FEEDBACK AT SUBSTANTIAL COMPLETION.
8. ALL CONTROLLERS AND DEVICES LOCATED IN PLENUM SPACES SHALL BE UL-2043 LISTED.
9. CONSULT WITH OWNER FOR FINAL COLOR OF ALL CAT5E CABLES USED FOR LIGHTING CONTROLS.
10. COORDINATE LOCATION OF CONTACT CLOSURE WITH THIRD PARTY VENDOR (PARTITION, AV, TIME CLOCK) PRIOR TO INSTALLATION.

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Construction Documents for:

ARLINGTON COUNTY OFFICES RENOVATION
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued	05/26/21
PERMIT	
Revisions	

DETAILS - ELECTRICAL

Scale	NONE
Drawn	SIS
Checked	AIE

E-001

PERMIT

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"LEVEL 1" LIGHTING CONTROL SEQUENCE OF OPERATIONS - IECC 2015

TYPICAL SPACE TYPE	MOTION SENSOR TYPE	MOTION SENSOR TIMEOUT	MOTION SENSOR TYPE	DAYLIGHT CONTROLS	TARGET LIGHT LEVEL (LUX / FC)	SWITCH TYPE	TIME CLOCK (SEE SCHEDULE NOTE 1)	NOTES
INTERIOR LIGHTING								
ENCLOSED OFFICE	VACANCY	20 MIN	DUAL	NO	300 / 30	DIGITAL DIMMER RAISE/LOWER	NO	
LIBRARY 113A,113C,113D	OCCUPANCY	20 MIN	DUAL	YES	300 / 30	ZONE CONTROLLER (LED TOUCH SCREEN) W/ DIMMING	NO	REFER TO DRAWINGS FOR ZONE CONFIGURATION. COORDINATE WITH OWNER FOR FINAL PRESET SETTINGS.
HUDDLE ROOM	VACANCY	20 MIN	DUAL	NO	300 / 30	DIGITAL DIMMER RAISE/LOWER	NO	
LIBRARY WORK ROOM 105	OCCUPANCY	20 MIN	DUAL	YES	300 / 30	DIGITAL DIMMER RAISE/LOWER	NO	
CONFERENCE ROOM	OCCUPANCY	20 MIN	DUAL	YES	300 / 30	DIGITAL DIMMER RAISE/LOWER	NO	
LOBBY AREA (LIGHTING ZONE "1)	NONE	N/A	N/A	N/A	300 / 30	EXISTING B.A.S / CONTACTOR SYSTEM AND TIMECLOCK	YES	1. LIGHT FIXTURES TO BE CONTROLLED WITH LINE VOLTAGE DIMMING (PHASE OR 0-10V) CONTROLS AND LOW VOLTAGE KEY OVERRIDE SWITCH. REFER TO DRAWINGS NOTES FOR FURTHER INFORMATION. 2. REFER TO DRAWINGS FOR ZONE CONFIGURATION. COORDINATE WITH OWNER FOR FINAL PRESET SETTINGS.

GENERAL NOTES:
- A FOR ALL CONTROL DEVICES, PROVIDE QUANTITIES AS SHOWN ON LIGHTING PLANS
- B ALL COMPONENTS SHOWN AND INDICATED ON THIS SCHEDULE, BUT NOT SHOWN ON THE PLAN OR VICE VERSA, SHALL BE INCLUDED AS IF SHOWN ON BOTH.
- C PROVIDE LIGHTING CONTROL PANELS / RELAYS, CABLES, WIRES AND ACCESSORIES AS REQUIRED TO FULFILL THE CONTROL REQUIREMENTS SHOWN ABOVE.
- D ALL AUTOMATIC DIMMING SHALL BE CONTINUOUS.
- E REFER TO DRAWINGS FOR WHICH EMERGENCY LIGHTS SHALL BE CONNECTED TO AN EMERGENCY LIGHTING RELAY.
- F ALL ROOMS WITH OCCUPANCY SENSOR CONTROLS (AUTO-ON/AUTO-OFF OPERATION) ARE TO TURN ON LIGHTS TO 50% OF MAX ILLUMINATION.

SCHEDULE NOTES:
- 1 COORDINATE WITH OWNER TIME-CLOCK SETTINGS FOR ALL LOCATIONS.
- 2
- 3
- 4

"LEVEL 2" LIGHTING CONTROL SEQUENCE OF OPERATIONS - IECC 2015

TYPICAL SPACE TYPE	MOTION SENSOR TYPE	MOTION SENSOR TIMEOUT	MOTION SENSOR TYPE	DAYLIGHT CONTROLS	TARGET LIGHT LEVEL (LUX / FC)	SWITCH TYPE	TIME CLOCK (SEE SCHEDULE NOTE 1)	NOTES
INTERIOR LIGHTING								
ENCLOSED OFFICE	VACANCY	20 MIN	DUAL	NO	300 / 30	DIGITAL DIMMER RAISE/LOWER	NO	
CUSTOMER CARE 205	OCCUPANCY	20 MIN	DUAL	NO	300 / 30	DIGITAL DIMMER RAISE/LOWER	NO	
FOCUS ROOM 203,204	VACANCY	20 MIN	DUAL	NO	300 / 30	DIGITAL DIMMER RAISE/LOWER	YES	OCCUPANCY SENSOR OVERRIDE FOR AFTER HOURS
ELEVATOR LOBBY AND CORRIDOR (LIGHTING ZONE "3")	NONE	N/A	N/A	N/A	300 / 30	LINE VOLTAGE DIMMER SWITCH (0-10V OR PHASE)	YES	REUSE EXISTING TIMECLOCK IN ELECTRICAL CLOSETS TO CONTROL NEW ELEVATOR AND CORRIDOR LIGHT FIXTURES. REFER TO DRAWINGS FOR FURTHER INFORMATION.
CONFERENCE ROOM	OCCUPANCY	20 MIN	DUAL	YES	300 / 30	DIGITAL DIMMER RAISE/LOWER	NO	
LOBBY AREA (LIGHTING ZONE "1)	NONE	N/A	N/A	N/A	300 / 30	EXISTING B.A.S / CONTACTOR SYSTEM AND TIMECLOCK	YES	1. LIGHT FIXTURES TO BE CONTROLLED WITH LINE VOLTAGE DIMMING (PHASE OR 0-10V) CONTROLS AND LOW VOLTAGE KEY OVERRIDE SWITCH. REFER TO DRAWINGS NOTES FOR FURTHER INFORMATION. 2. REFER TO DRAWINGS FOR ZONE CONFIGURATION. COORDINATE WITH OWNER FOR FINAL PRESET SETTINGS.

GENERAL NOTES:
- A FOR ALL CONTROL DEVICES, PROVIDE QUANTITIES AS SHOWN ON LIGHTING PLANS
- B ALL COMPONENTS SHOWN AND INDICATED ON THIS SCHEDULE, BUT NOT SHOWN ON THE PLAN OR VICE VERSA, SHALL BE INCLUDED AS IF SHOWN ON BOTH.
- C PROVIDE LIGHTING CONTROL PANELS / RELAYS, CABLES, WIRES AND ACCESSORIES AS REQUIRED TO FULFILL THE CONTROL REQUIREMENTS SHOWN ABOVE.
- D ALL AUTOMATIC DIMMING SHALL BE CONTINUOUS.
- E REFER TO DRAWINGS FOR WHICH EMERGENCY LIGHTS SHALL BE CONNECTED TO AN EMERGENCY LIGHTING RELAY.
- F ALL ROOMS WITH OCCUPANCY SENSOR CONTROLS (AUTO-ON/AUTO-OFF OPERATION) ARE TO TURN ON LIGHTS TO 50% OF MAX ILLUMINATION.

SCHEDULE NOTES:
- 1 COORDINATE WITH OWNER TIME-CLOCK SETTINGS FOR ALL LOCATIONS.
- 2
- 3
- 4

"LEVEL 3" LIGHTING CONTROL SEQUENCE OF OPERATIONS - IECC 2015

TYPICAL SPACE TYPE	MOTION SENSOR TYPE	MOTION SENSOR TIMEOUT	MOTION SENSOR TYPE	DAYLIGHT CONTROLS	TARGET LIGHT LEVEL (LUX / FC)	SWITCH TYPE	TIME CLOCK (SEE SCHEDULE NOTE 1)	NOTES
INTERIOR LIGHTING								
CUSTOMER CARE 205	OCCUPANCY	20 MIN	DUAL	NO	300 / 30	DIGITAL DIMMER RAISE/LOWER	NO	
FOCUS ROOM 301,302,303,304	VACANCY	20 MIN	DUAL	NO	300 / 30	DIGITAL DIMMER RAISE/LOWER	YES	OCCUPANCY SENSOR OVERRIDE FOR AFTER HOURS
CONFERENCE ROOM	OCCUPANCY	20 MIN	DUAL	YES	300 / 30	DIGITAL DIMMER RAISE/LOWER	NO	
LOBBY AREA (LIGHTING ZONE "1" AND "3")	NONE	N/A	N/A	N/A	300 / 30	EXISTING B.A.S / CONTACTOR SYSTEM AND TIMECLOCK	YES	1. LIGHT FIXTURES TO BE CONTROLLED WITH LINE VOLTAGE DIMMING (PHASE OR 0-10V) CONTROLS AND LOW VOLTAGE KEY OVERRIDE SWITCH. REFER TO DRAWINGS NOTES FOR FURTHER INFORMATION. 2. REFER TO DRAWINGS FOR ZONE CONFIGURATION. COORDINATE WITH OWNER FOR FINAL PRESET SETTINGS.

GENERAL NOTES:
- A FOR ALL CONTROL DEVICES, PROVIDE QUANTITIES AS SHOWN ON LIGHTING PLANS
- B ALL COMPONENTS SHOWN AND INDICATED ON THIS SCHEDULE, BUT NOT SHOWN ON THE PLAN OR VICE VERSA, SHALL BE INCLUDED AS IF SHOWN ON BOTH.
- C PROVIDE LIGHTING CONTROL PANELS / RELAYS, CABLES, WIRES AND ACCESSORIES AS REQUIRED TO FULFILL THE CONTROL REQUIREMENTS SHOWN ABOVE.
- D ALL AUTOMATIC DIMMING SHALL BE CONTINUOUS.
- E REFER TO DRAWINGS FOR WHICH EMERGENCY LIGHTS SHALL BE CONNECTED TO AN EMERGENCY LIGHTING RELAY.
- F ALL ROOMS WITH OCCUPANCY SENSOR CONTROLS (AUTO-ON/AUTO-OFF OPERATION) ARE TO TURN ON LIGHTS TO 50% OF MAX ILLUMINATION.

SCHEDULE NOTES:
- 1 COORDINATE WITH OWNER TIME-CLOCK SETTINGS FOR ALL LOCATIONS.
- 2
- 3
- 4

"LEVEL 9" LIGHTING CONTROL SEQUENCE OF OPERATIONS - IECC 2015

TYPICAL SPACE TYPE	MOTION SENSOR TYPE	MOTION SENSOR TIMEOUT	MOTION SENSOR TYPE	DAYLIGHT CONTROLS	TARGET LIGHT LEVEL (LUX / FC)	SWITCH TYPE	TIME CLOCK (SEE SCHEDULE NOTE 1)	NOTES
INTERIOR LIGHTING								
9TH FLOOR PANTRY ROOM	OCCUPANCY	20 MIN	DUAL	YES	300 / 30	ZONE CONTROLLER (LED TOUCH SCREEN) W/ DIMMING	NO	REFER TO DRAWINGS FOR ZONE CONFIGURATION. COORDINATE WITH OWNER FOR FINAL PRESET SETTINGS.

GENERAL NOTES:
- A FOR ALL CONTROL DEVICES, PROVIDE QUANTITIES AS SHOWN ON LIGHTING PLANS
- B ALL COMPONENTS SHOWN AND INDICATED ON THIS SCHEDULE, BUT NOT SHOWN ON THE PLAN OR VICE VERSA, SHALL BE INCLUDED AS IF SHOWN ON BOTH.
- C PROVIDE LIGHTING CONTROL PANELS / RELAYS, CABLES, WIRES AND ACCESSORIES AS REQUIRED TO FULFILL THE CONTROL REQUIREMENTS SHOWN ABOVE.
- D ALL AUTOMATIC DIMMING SHALL BE CONTINUOUS.
- E REFER TO DRAWINGS FOR WHICH EMERGENCY LIGHTS SHALL BE CONNECTED TO AN EMERGENCY LIGHTING RELAY.
- F ALL ROOMS WITH OCCUPANCY SENSOR CONTROLS (AUTO-ON/AUTO-OFF OPERATION) ARE TO TURN ON LIGHTS TO 50% OF MAX ILLUMINATION.

SCHEDULE NOTES:
- 1
- 2
- 3
- 4

COMcheck Software Version 4.1.1.0

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: Arlington County Offices
Project Type: Alteration

Construction Site:
2100 Clarendon Blvd
Arlington, VA

Owner/Agent:

Designer/Contractor:
KTA Group
12950 Worldgate Drive
Suite 100
Herndon, VA 20170

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Conference/ Focus (Common Space Types:Conference/Meeting/Multipurpose)	5467	1.23	6724
2-Common Space Types:Corridor/Transition <8 ft wide	9593	0.66	6331
3-Common Space Types:Lobby For Elevator	5569	0.64	3564
Allowance: Decorative Appearance / Fix. ID: G1	39 (a)	1.00	39 (b)
Allowance: Decorative Appearance / Fix. ID: G2	167 (a)	1.00	167 (b)
Allowance: Decorative Appearance / Fix. ID: N	1866 (a)	1.00	396 (b)
4-Lobby/ Reception (Common Space Types:Lobby - General)	10704	0.90	9634
Allowance: Decorative Appearance / Fix. ID: L2	826 (a)	1.00	826 (b)
5-Common Space Types:Lounge/Breakroom	1915	0.73	1398
6-Common Space Types:Office - Enclosed	301	1.11	334
7-Common Space Types:Office - Open Plan	1742	0.98	1707
8-Common Space Types:Restrooms	279	0.98	273
9-Common Space Types:Storage <50 sq.ft.	42	1.24	52
10-Common Space Types:Storage >=50 - <=1000 sq.ft.	169	0.63	106
11-Library:Reading Area	1931	1.06	2047
Allowance: Decorative Appearance / Fix. ID: P1	32 (a)	1.00	32 (b)
Allowance: Decorative Appearance / Fix. ID: R1	78 (a)	1.00	48 (b)
12-Common Space Types:Electrical/Mechanical	69	0.95	66
		Total Allowed Watts =	33745

(a) Area claimed must not exceed the illuminated area permitted for this allowance type.
(b) Allowance is (B x C) or the actual wattage of the fixtures given in Proposed Power section, whichever is less.

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Conference/ Focus (Common Space Types:Conference/Meeting/Multipurpose 5467 sq.ft.)				
LED 1: A: LED DOWNLIGHT: Other:	1	129	15	1935
LED 2: A1: LED DOWNLIGHT: Other:	1	40	12	480
LED 3: B: LED LINEAR: Other:	1	108	5	540
LED 4: H: LED 4FT LINEAR: Other:	1	29	19	551
LED 5: S: LED DECORATIVE: Other:	1	7	45	314
Common Space Types:Corridor/Transition <8 ft wide (9593 sq.ft.)				
LED 6: A: LED DOWNLIGHT: Other:	1	97	15	1455
LED 7: A1: LED DOWNLIGHT: Other:	1	7	12	84
LED 8: D: LED 2X2: Other:	1	3	24	72
LED 10: D1: LED 2X4: Other:	1	2	36	72
LED 11: K1: LED LINEAR: Other:	1	434	5	2170
Common Space Types:Lobby For Elevator (5569 sq.ft.)				
LED 12: A: LED DOWNLIGHT: Other:	1	111	15	1665
LED 13: A2: LED DOWNLIGHT: Other:	1	3	22	66
LED 14: G1: LED WALL GRAZER: Other:	1	48	24	1142
LED 15: G2: LED WALL GRAZER: Other:	1	120	24	2856
LED 16: N: LED TAPE: Other:	1	264	2	396
Lobby/ Reception (Common Space Types:Lobby - General 10704 sq.ft.)				
LED 17: A: LED DOWNLIGHT: Other:	1	12	15	180
LED 18: A1: LED DOWNLIGHT: Other:	1	166	12	1992
LED 19: B: LED LINEAR: Other:	1	202	5	1010
LED 20: C: LED TRACK LTG: Other:	1	28	15	420
LED 21: J: LED PANEL: Other:	1	416	13	5574
LED 22: L: LED PENDANT: Other:	1	24	35	840
LED 23: L1: LED PENDANT: Other:	1	18	60	1080
LED 24: L2: LED PENDANT: Other:	1	13	98	1274
LED 25: N1: LED TAPE: Other:	1	207	4	890
LED 26: G1: LED WALL GRAZER: Other:	1	18	24	428
LED 27: G2: LED WALL GRAZER: Other:	1	46	24	1095
LED 28: Z: LED WRAP LIGHT: Other:	1	2	20	39
Common Space Types:Lounge/Breakroom (1915 sq.ft.)				
LED 9: A: LED DOWNLIGHT: Other:	1	34	15	510
LED 29: B: LED LINEAR: Other:	1	106	5	530
LED 30: N: LED TAPE: Other:	1	115	2	172
LED 31: U: LED PENDANT: Other:	1	7	25	175
LED 32: V: LED PENDANT: Other:	1	3	11	33
LED 33: Y: LED PENDANT: Other:	1	17	9	153
Common Space Types:Office - Enclosed (301 sq.ft.)				
LED 37: D: LED 2X2: Other:	1	4	24	96
LED 38: D1: LED 2X4: Other:	1	1	36	36
Common Space Types:Office - Open Plan (1742 sq.ft.)				
LED 39: A1: LED DOWNLIGHT: Other:	1	9	12	108
LED 40: B: LED LINEAR: Other:	1	20	5	100
LED 41: D: LED 2X2: Other:	1	4	24	96
LED 42: D1: LED 2X4: Other:	1	18	36	648
Common Space Types:Restrooms (279 sq.ft.)				
LED 34: A: LED DOWNLIGHT: Other:	1	16	15	240
Common Space Types:Storage <50 sq.ft. (42 sq.ft.)				
LED 35: D: LED 2X2: Other:	1	1	24	24
Common Space Types:Storage >=50 - <=1000 sq.ft. (169 sq.ft.)				
LED 36: D: LED 2X2: Other:	1	4	24	96
Library:Reading Area (1931 sq.ft.)				
LED 43: A: LED DOWNLIGHT: Other:	1	13	15	195
LED 44: A1: LED DOWNLIGHT: Other:	1	5	12	60
LED 45: A2: LED DOWNLIGHT: Other:	1	9	22	198
LED 46: C: LED TRACK LTG: Other:	1	16	15	240
LED 47: C1: LED TRACK LTG: Other:	1	14	11	154
LED 48: F: LED 4' LINEAR: Other:	1	24	4	106
LED 49: P: LED PENDANT: Other:	1	1	144	144
LED 50: P1: LED PENDANT: Other:	1	2	144	288
LED 51: R: LED PENDANT: Other:	1	2	16	32
LED 52: R1: LED PENDANT: Other:	1	3	16	48
LED 53: T: LED PENDANT: Other:	1	3	3	9
Common Space Types:Electrical/Mechanical (69 sq.ft.)				
LED 54: D1: LED 2X4: Other:	1	2	36	72
			Total Proposed Watts =	33184

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 2015 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title | Signature | Date

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Construction Documents for:

ARLINGTON COUNTY OFFICES RENOVATION
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
PERMIT

Revisions
1 PERMIT CHANGES 4/16/20

SEQUENCE OF OPERATIONS - ELECTRICAL

Scale **NONE**
Drawn SIS
Checked AIE

E-002

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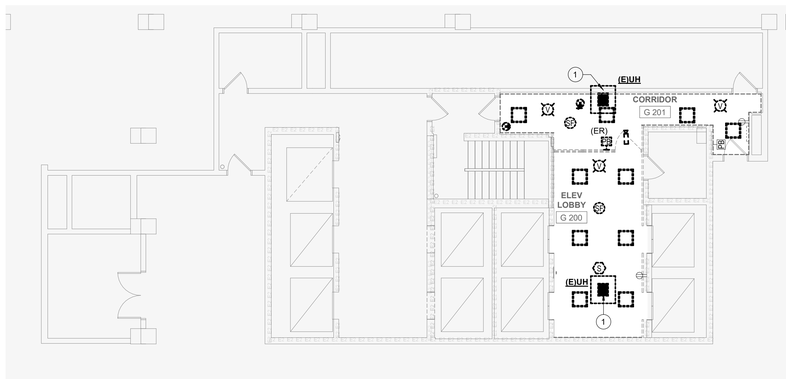
GENERAL NOTES

1. NO WORK IN SHADED AREAS UNLESS OTHERWISE NOTED.
2. REMOVE ALL POWER OUTLETS, TELE/DATA OUTLETS, FIRE ALARM DEVICES, EXIT SIGNS, LIGHTING FIXTURES, ALL ASSOCIATED SWITCHES AND DISCONNECTS ONLY IN AREAS IDENTIFIED FOR DEMOLITION.
3. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EQUIPMENT TO BE REMOVED.
4. FOR EQUIPMENT/DEVICES TO BE REMOVED, REMOVE ALL ASSOCIATED CONDUITS, WIRES, DISCONNECTS AND SWITCHES. REMOVE ALL ASSOCIATED BRANCH CIRCUITING BACK TO SOURCE.
5. ON WALLS AND CEILINGS NOT IDENTIFIED FOR DEMOLITION, ONLY THOSE DEVICES SPECIFICALLY IDENTIFIED FOR DEMOLITION SHALL BE REMOVED.
6. IDENTIFY CIRCUITS MADE AVAILABLE FROM DEMOLITION FOR REUSE IN THIS PROJECT. COMBINE CIRCUITS WHICH ARE NOT REQUIRED TO BE DEDICATED AND WHICH ARE SERVING EXISTING DEVICES TO REMAIN AS REQUIRED TO PROVIDE ADDITIONAL CIRCUIT SPACE ON EXISTING PANELS.
7. COORDINATE ANY DEMOLITION DISCREPANCIES WITH THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH WORK.
8. ALL DEVICES IN AREA OUT OF SCOPE ARE TO REMAIN, UNLESS OTHERWISE NOTED. MAINTAIN POWER CONTINUITY TO CIRCUITS OF EXISTING DEVICES BEYOND REMODELED AREAS OF THIS CONTRACT THAT ARE WIRED THROUGH OR FROM OUTLETS TO BE REMOVED OR ABANDONED.
9. FOR ALL RELOCATED DEVICES, EXTEND EXISTING CIRCUIT TO NEW LOCATION. PROVIDE WIRING, CABLING AND CONDUIT THAT MATCH EXISTING. REFER TO NEW PLANS FOR NEW LOCATION.

KEY NOTES

1 DISCONNECT CIRCUIT AND WIRING SERVING UNIT HEATER AND SALVAGE FOR REUSE IN NEW WORK. REFER TO SHEET E-400 FOR FURTHER INFORMATION.

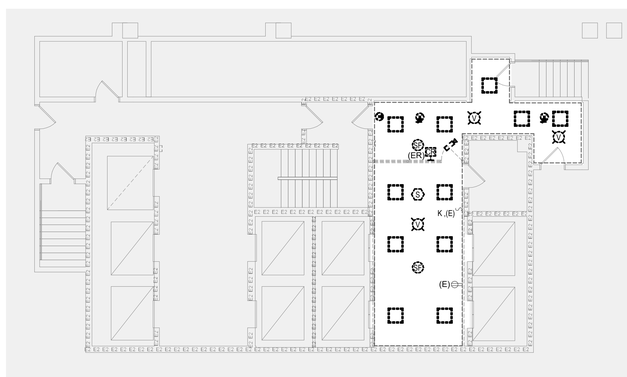


LEVEL G2 LOBBY - DEMOLITION PLAN - ELECTRICAL

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

LEVEL G1 LOBBY - DEMOLITION - ELECTRICAL

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

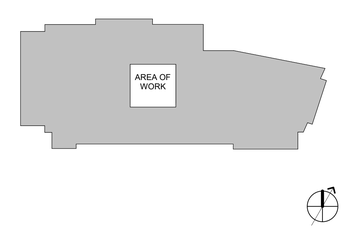


LEVEL G3 LOBBY - DEMOLITION - ELECTRICAL

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

KEY PLAN

NOT TO SCALE



8' 4' 0' 8' 16'

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

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Project: 18029-01

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LEVEL G1, G2, G3 LOBBY - DEMOLITION - ELECTRICAL

Scale **As indicated**
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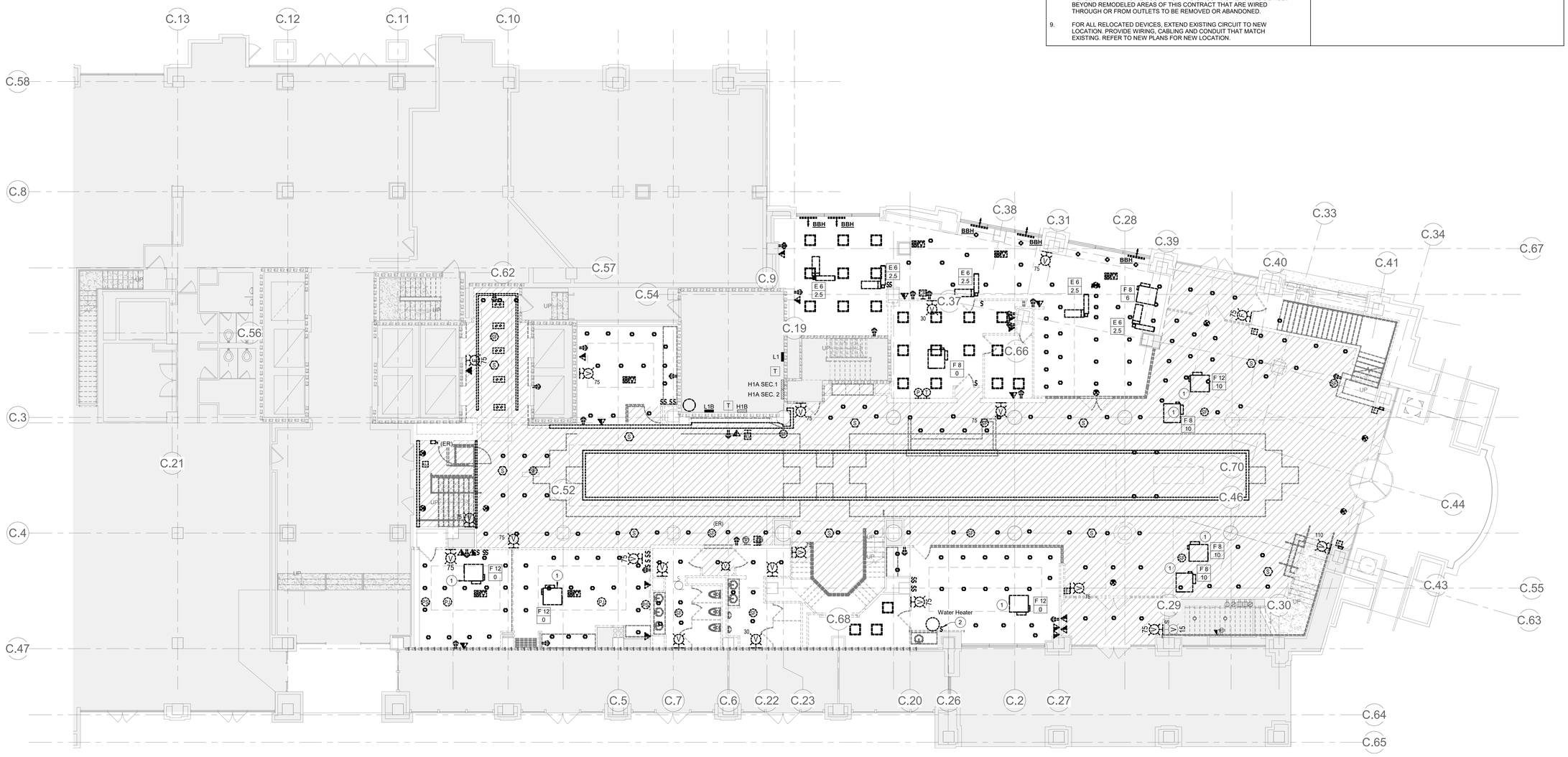
KEY NOTES

1. DISCONNECT CIRCUIT SERVING MECHANICAL EQUIPMENT SHOWN BACK TO SOURCE PANELBOARD AND LABEL CIRCUIT BREAKER AS SPARE. REFER TO MECHANICAL DRAWINGS FOR FURTHER INFORMATION.
2. VAV: HEAT AS INDICATED + FAN, 277V, 1PH, PROVIDE 30A, 1P+S.N., TOGGLE DISCONNECT. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.



LEVEL 1 - DEMOLITION - ELECTRICAL

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

8' 4' 0' 8' 16'
GRAPHIC SCALE: 1/8" = 1'-0"

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LEVEL 1 - DEMOLITION - ELECTRICAL

Scale	**As indicated**
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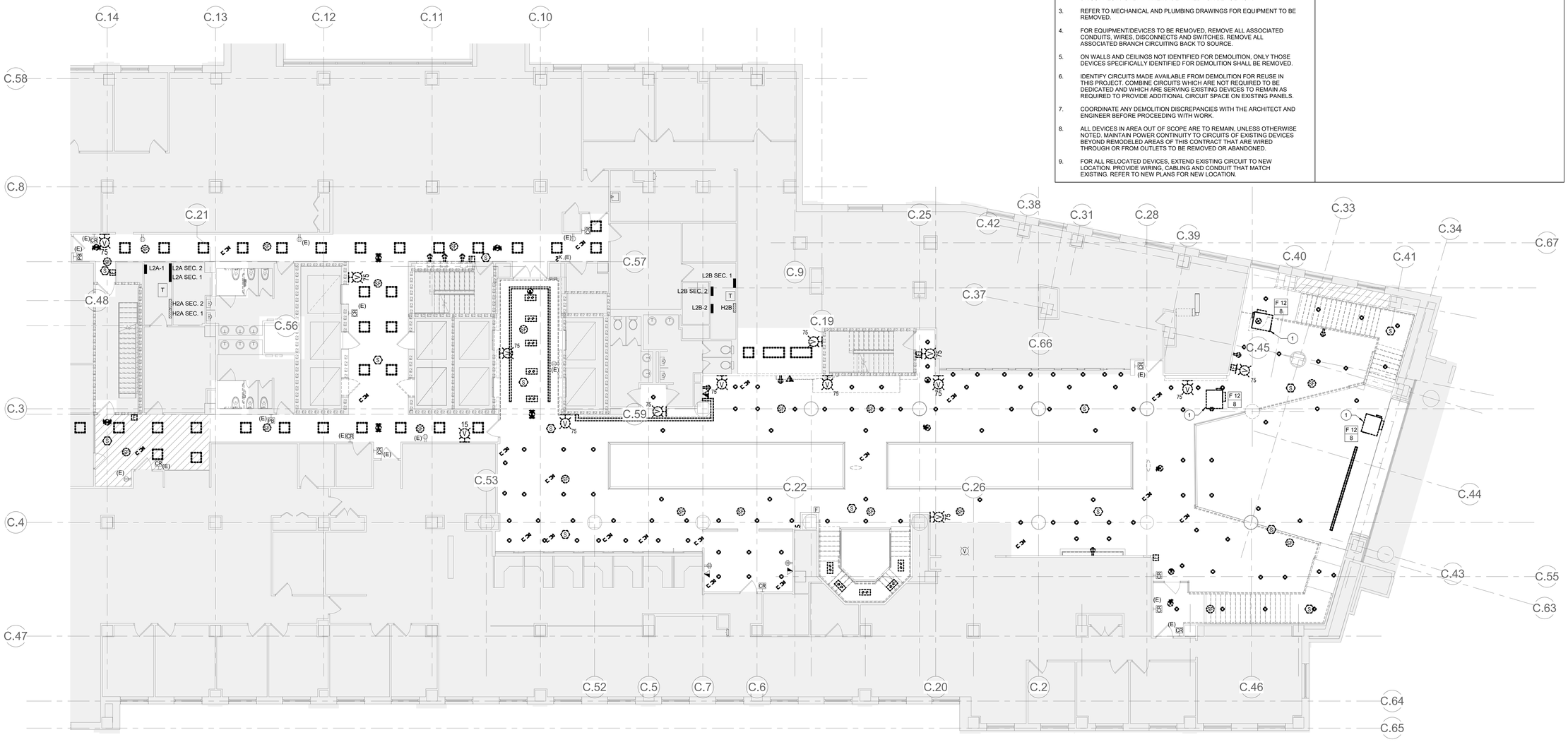

LEVEL 2 - DEMOLITION - ELECTRICAL

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

8' 4' 0' 8' 16'

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

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Revisions

1 PERMIT CHANGES 4/16/20

LEVEL 2 - DEMOLITION - ELECTRICAL

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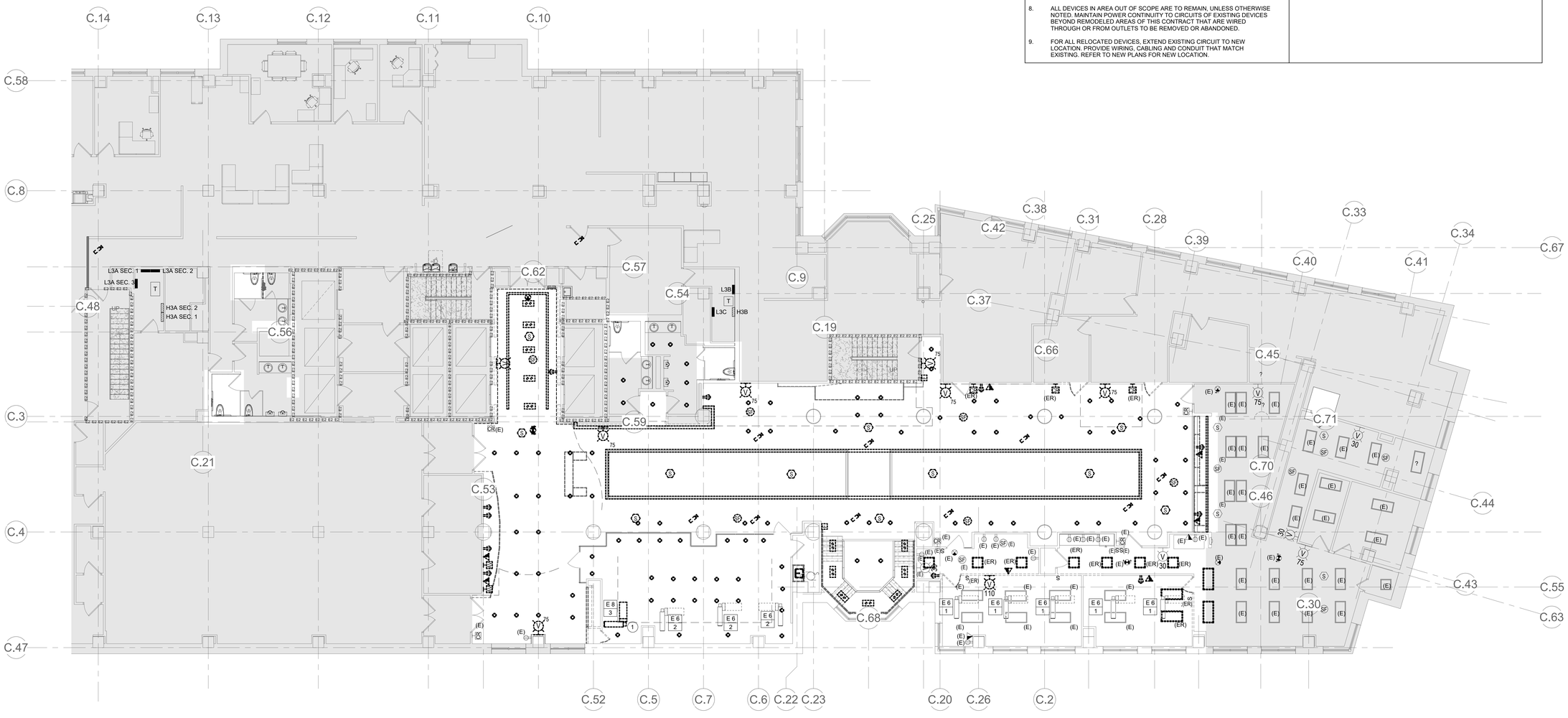

LEVEL 3 - DEMOLITION - ELECTRICAL

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

8' 4' 0' 8' 16'
GRAPHIC SCALE: 1/8" = 1'-0"

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Revisions

1 PERMIT CHANGES 4/16/20

LEVEL 3 - DEMOLITION - ELECTRICAL

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KEY NOTES

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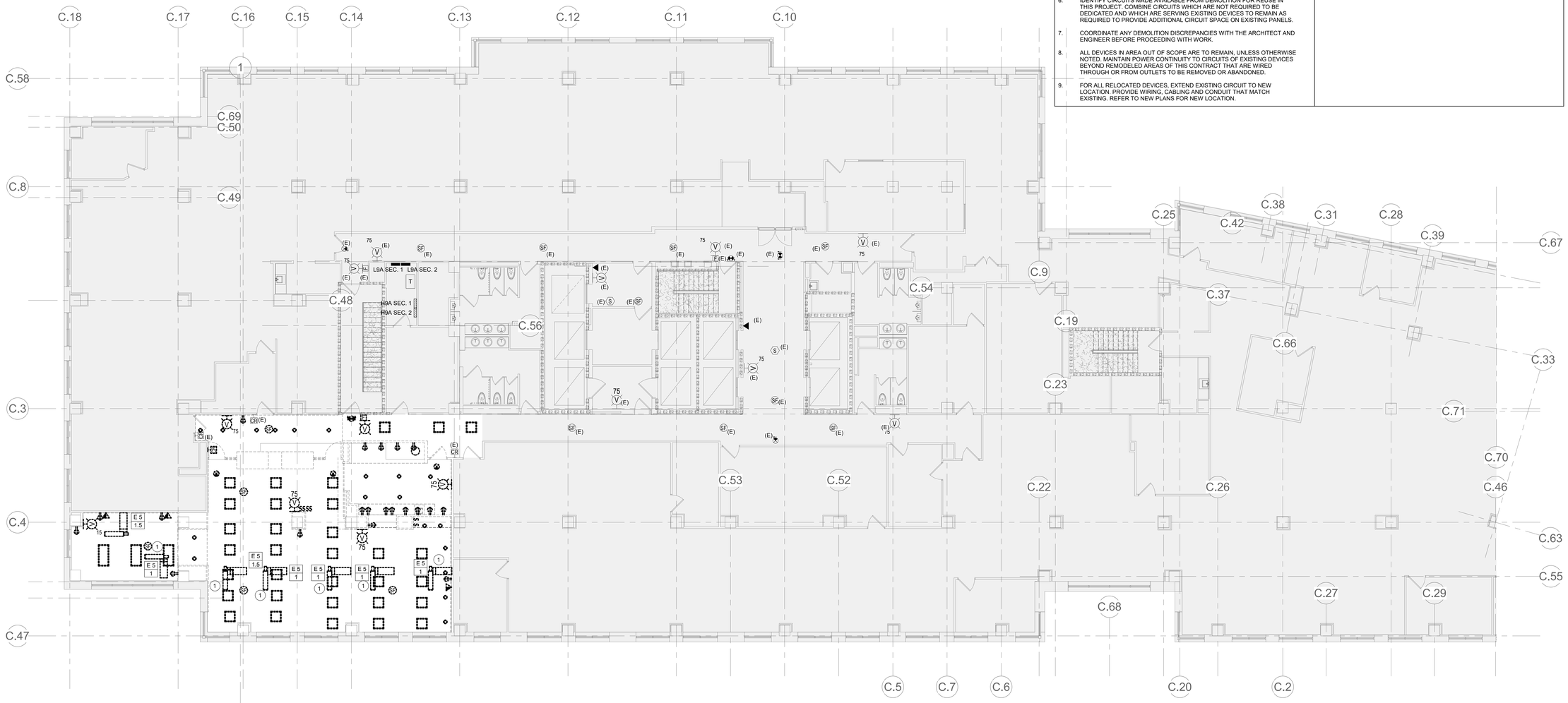

LEVEL 9 - DEMOLITION - ELECTRICAL

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

8' 4' 0' 8' 16'
GRAPHIC SCALE: 1/8" = 1'-0"

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LEVEL 9 - DEMOLITION - ELECTRICAL

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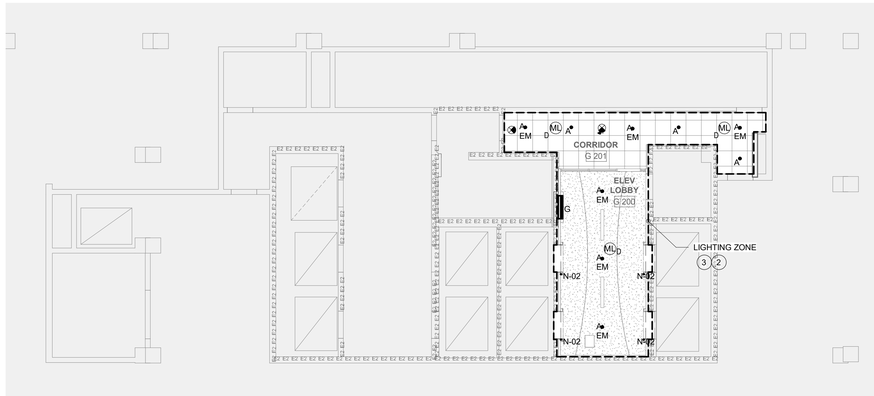
KEY NOTES

1. LIGHTING ZONE NORMAL POWERED 277V LIGHT FIXTURES ARE TO BE CONNECTED TO CIRCUIT PREVIOUSLY SERVING THE LIGHT FIXTURES REMOVED DURING DEMOLITION. THE NEW LIGHTING LOAD OF 354 WATTS DOES NOT EXCEED THE LIGHTING LOAD REMOVED DURING DEMOLITION (576WATTS).
2. LIGHTING ZONE NORMAL POWERED LIGHT FIXTURES TO BE CONTROLLED VIA TIMECLOCK PREVIOUSLY SERVING DEMOLISHED FIXTURES PRIOR TO DEMOLITION. FIXTURES ARE TO BE CONTROLLED VIA TIMECLOCK DURING NORMAL BUSINESS HOUR AND OCCUPANCY SENSOR OVERRIDE FOR AFTER HOURS OPERATION. COORDINATE WITH BUILDING ENGINEER AND OWNER FOR OPERATION HOURS.
3. LIGHTING ZONE NORMAL POWERED 277V LIGHT FIXTURES ARE TO BE CONNECTED TO CIRCUIT PREVIOUSLY SERVING THE LIGHT FIXTURES REMOVED DURING DEMOLITION. THE NEW LIGHTING LOAD OF 240 WATTS DOES NOT EXCEED THE LIGHTING LOAD REMOVED DURING DEMOLITION (512 WATTS).
4. LIGHTING ZONE NORMAL POWERED 277V LIGHT FIXTURES ARE TO BE CONNECTED TO CIRCUIT PREVIOUSLY SERVING THE LIGHT FIXTURES REMOVED DURING DEMOLITION. THE NEW LIGHTING LOAD OF 255 WATTS DOES NOT EXCEED THE LIGHTING LOAD REMOVED DURING DEMOLITION (512 WATTS).

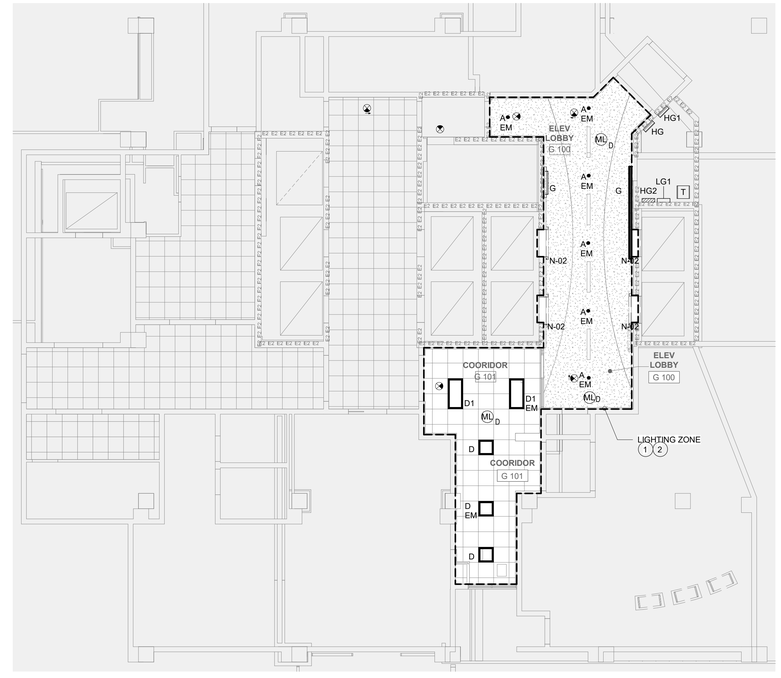
GENERAL NOTES

1. NO WORK IN SHADED AREAS UNLESS OTHERWISE NOTED.
2. ALL EXIT LIGHTS ARE TYPE X UNLESS OTHERWISE NOTED.
3. WHERE SWITCHES ARE SHOWN TOGETHER, CONTRACTOR SHALL PROVIDE MULTI-GANG COVERPLATES.
4. ALL LIGHTING FIXTURES IDENTIFIED WITH EM AN EXIT SIGNS SHALL BE CONNECTED TO THE EMERGENCY POWER CIRCUIT PREVIOUSLY SERVING THIS FLOOR. THE NEW LIGHTING LOAD (LEVELS G1,G2,G3) DOES NOT EXCEED THE LIGHTING LOAD REMOVED DURING DEMOLITION:
   A. LEVEL G1 (NEW LOAD: 195 WATTS ; DEMO LOAD: 288 WATTS)
   B. LEVEL G2 (NEW LOAD: 90 WATTS ; DEMO LOAD: 128 WATTS)
   C. LEVEL G3 (NEW LOAD: 90 WATTS ; DEMO LOAD: 192 WATTS)
5. CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY THE CIRCUIT TO BE REUSED IN CONNECTION WITH DEVICES IN THE NEW WORK. DESCRIPTION OF THE TYPE AND LOCATION OF THE CIRCUIT SHALL BE IDENTIFIED IN THE UPDATED PANELBOARD SCHEDULE PROVIDED WITH THIS PROJECT. CONTRACTOR SHALL MARK SUCH INFORMATION ON THE "AS-BUILT" DRAWINGS PROVIDED FOR FINAL INSPECTION.
6. ALL EXISTING LIGHTS, EMERGENCY LIGHTS AND EXIT SIGNS OUTSIDE THE SCOPE OF WORK AREA ARE EXISTING TO REMAIN FROM PREVIOUSLY APPROVED PERMIT DRAWINGS AND INSPECTOR SITE VISITS. THERE HAS BEEN NO CHANGE IN EXISTING EGRESS PATH.



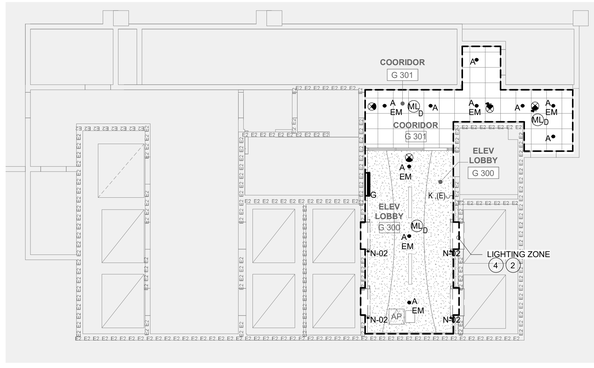
LEVEL G2 LOBBY - LIGHTING - ELECTRICAL

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



LEVEL G1 LOBBY - LIGHTING - ELECTRICAL

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

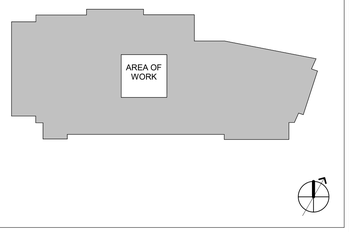


LEVEL G3 LOBBY - LIGHTING - ELECTRICAL

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

KEY PLAN

NOT TO SCALE



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Revisions

LEVEL G1, G2, G3 LOBBY - LIGHTING - ELECTRICAL

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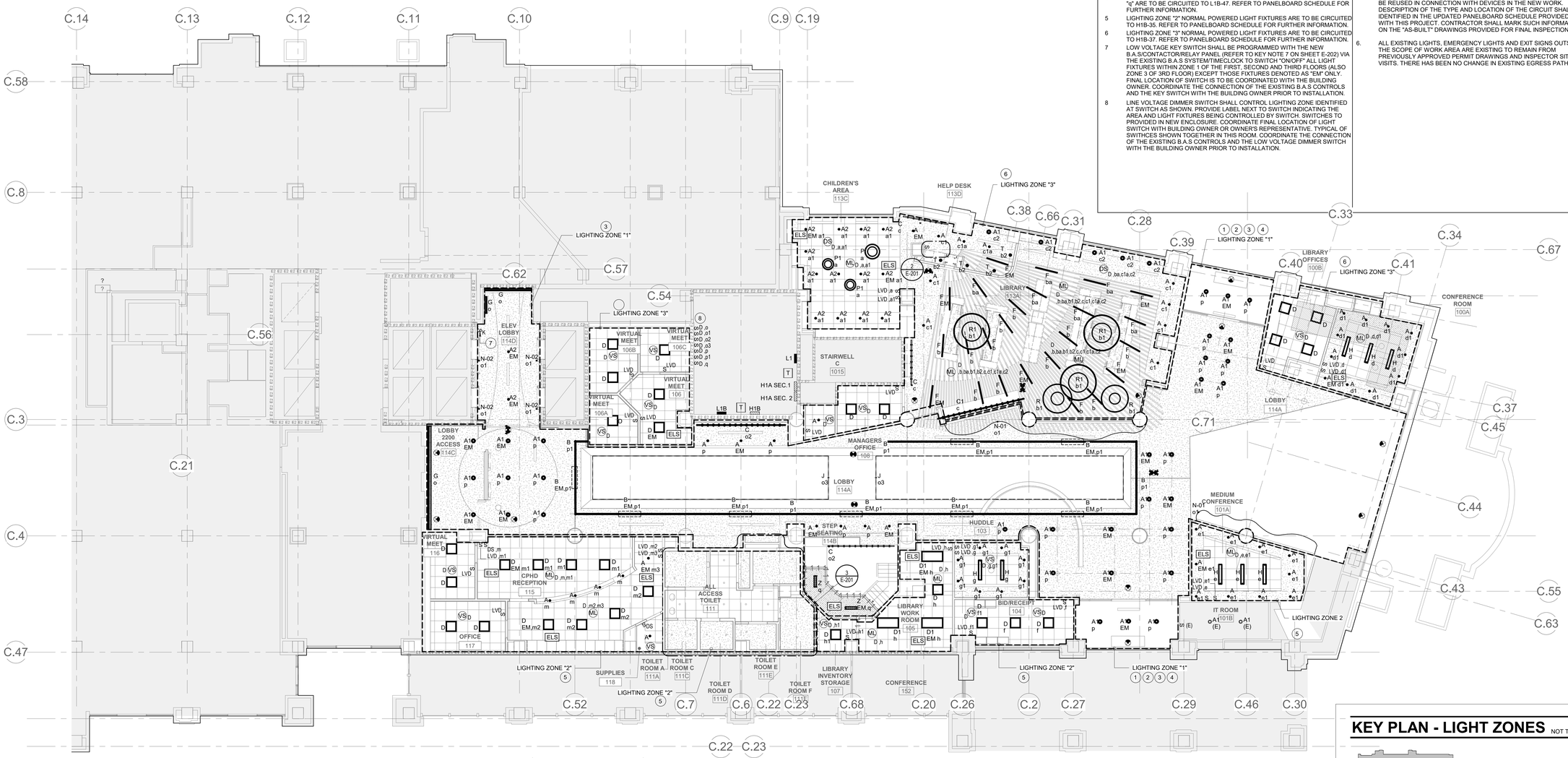
KEY NOTES

1. LIGHTING ZONE "1" LIGHT FIXTURES ARE TO BE CONTROLLED VIA B.A.S/CONTACTOR SYSTEM (LOCATED WITHIN THE ELECTRICAL CLOSET ON THE 2ND FLOOR) DURING NORMAL BUSINESS HOURS AND KEY OVERRIDE SWITCH (OVERRIDE DURING AND AFTER BUSINESS HOURS) LOCATED NEAR ELEVATOR LOBBY. COORDINATE WITH BUILDING ENGINEER AND OWNER FOR BUILDING OPERATION HOURS.
2. LIGHTING ZONE "1" LIGHT FIXTURES WITH ANNOTATIONS "o,o1,o2,o3" ARE TO BE CIRCUITED TO H1B-38. REFER TO PANELBOARD SCHEDULE FOR FURTHER INFORMATION.
3. LIGHTING ZONE "1" NORMAL POWERED LIGHT FIXTURES WITH ANNOTATIONS "p,p1" ARE TO BE CIRCUITED TO H1B-40. REFER TO PANELBOARD SCHEDULE FOR FURTHER INFORMATION.
4. LIGHTING ZONE "1" NORMAL POWERED LIGHT FIXTURES WITH ANNOTATIONS "q" ARE TO BE CIRCUITED TO L1B-47. REFER TO PANELBOARD SCHEDULE FOR FURTHER INFORMATION.
5. LIGHTING ZONE "2" NORMAL POWERED LIGHT FIXTURES ARE TO BE CIRCUITED TO H1B-35. REFER TO PANELBOARD SCHEDULE FOR FURTHER INFORMATION.
6. LIGHTING ZONE "3" NORMAL POWERED LIGHT FIXTURES ARE TO BE CIRCUITED TO H1B-37. REFER TO PANELBOARD SCHEDULE FOR FURTHER INFORMATION.
7. LOW VOLTAGE KEY SWITCH SHALL BE PROGRAMMED WITH THE NEW B.A.S/CONTACTOR/RELAY PANEL (REFER TO KEY NOTE 7 ON SHEET E-202) VIA THE EXISTING B.A.S SYSTEM/TIMECLOCK TO SWITCH "ON/OFF" ALL LIGHT FIXTURES WITHIN ZONE 1 OF THE FIRST, SECOND AND THIRD FLOORS (ALSO ZONE 3 OF 3RD FLOOR) EXCEPT THOSE FIXTURES DENOTED AS "EM" ONLY. FINAL LOCATION OF SWITCH IS TO BE COORDINATED WITH THE BUILDING OWNER. COORDINATE THE CONNECTION OF THE EXISTING B.A.S CONTROLS AND THE KEY SWITCH WITH THE BUILDING OWNER PRIOR TO INSTALLATION.
8. LINE VOLTAGE DIMMER SWITCH SHALL CONTROL LIGHTING ZONE IDENTIFIED AT SWITCH AS SHOWN. PROVIDE LABEL NEXT TO SWITCH INDICATING THE AREA AND LIGHT FIXTURES BEING CONTROLLED BY SWITCH. SWITCHES TO PROVIDED IN NEW ENCLOSURE. COORDINATE FINAL LOCATION OF LIGHT SWITCH WITH BUILDING OWNER OR OWNER'S REPRESENTATIVE. TYPICAL OF SWITHCES SHOWN TOGETHER IN THIS ROOM. COORDINATE THE CONNECTION OF THE EXISTING B.A.S CONTROLS AND THE LOW VOLTAGE DIMMER SWITCH WITH THE BUILDING OWNER PRIOR TO INSTALLATION.

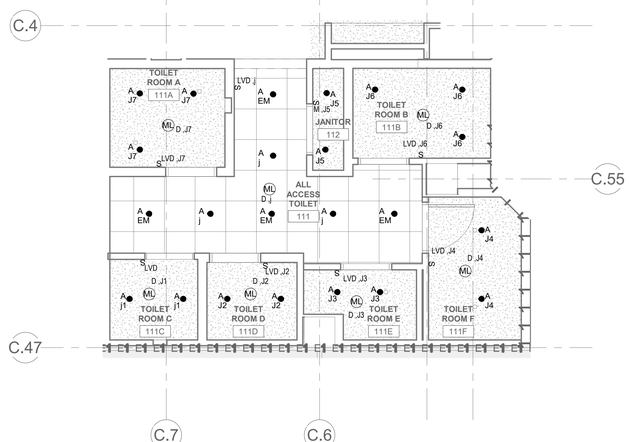
GENERAL NOTES

1. NO WORK IN SHADED AREAS UNLESS OTHERWISE NOTED.
2. ALL EXIT LIGHTS ARE TYPE X UNLESS OTHERWISE NOTED.
3. WHERE SWITCHES ARE SHOWN TOGETHER, CONTRACTOR SHALL PROVIDE MULTI-GANG COVERPLATES.
4. ALL LIGHTING FIXTURES IDENTIFIED WITH EM AND EXIT SIGNS SHALL BE CONNECTED TO THE EMERGENCY POWER CIRCUIT PREVIOUSLY SERVING THIS FLOOR. THE NEW LOAD OF 700 WATTS DOES NOT EXCEED THE WATTAGE OF THE LOAD REMOVED DURING DEMOLITION (1552 WATTS).
5. CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY THE CIRCUIT TO BE REUSED IN CONNECTION WITH DEVICES IN THE NEW WORK. DESCRIPTION OF THE TYPE AND LOCATION OF THE CIRCUIT SHALL BE IDENTIFIED IN THE UPDATED PANELBOARD SCHEDULE PROVIDED WITH THIS PROJECT. CONTRACTOR SHALL MARK SUCH INFORMATION ON THE "AS-BUILT" DRAWINGS PROVIDED FOR FINAL INSPECTION.
6. ALL EXISTING LIGHTS, EMERGENCY LIGHTS AND EXIT SIGNS OUTSIDE THE SCOPE OF WORK AREA ARE EXISTING TO REMAIN FROM PREVIOUSLY APPROVED PERMIT DRAWINGS AND INSPECTOR SITE VISITS. THERE HAS BEEN NO CHANGE IN EXISTING EGRESS PATH.



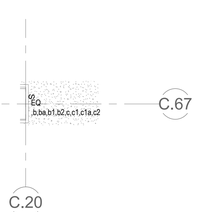
LEVEL 1 - LIGHTING - ELECTRICAL

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



3 E-201 **ALL ACCESS TOILET 111**

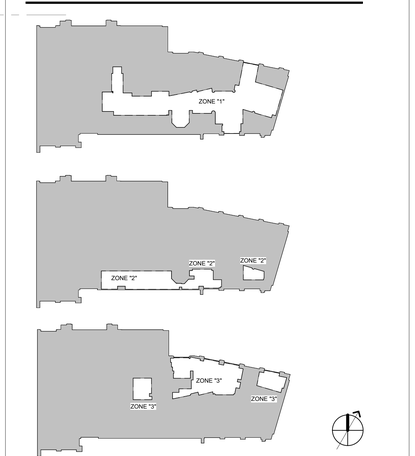
N.T.S.



2 E-201 **LIBRARY 113A - LIGHT SWITCH CONTROL**

N.T.S.

KEY PLAN - LIGHT ZONES NOT TO SCALE



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

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

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Construction Documents for:

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2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

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1 PERMIT CHANGES 4/16/20

LEVEL 1 - LIGHTING - ELECTRICAL

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KEY NOTES

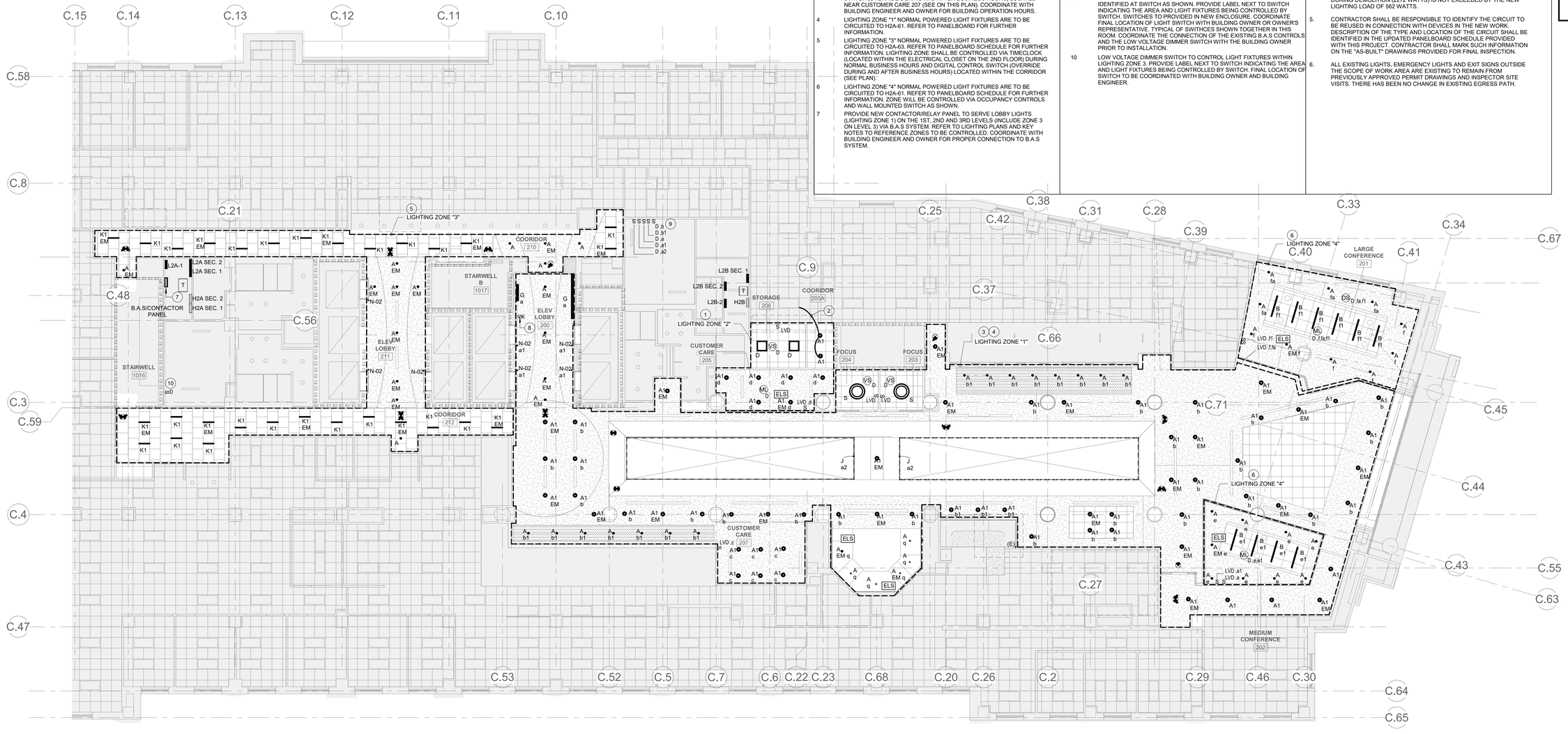
1. LIGHTING ZONE "2" NORMAL POWERED LIGHT FIXTURES ARE TO BE CIRCUITED TO CIRCUIT PREVIOUSLY SERVING REMOVED LIGHT FIXTURES AS SHOWN. THE NEW LOAD OF 72 WATTS DOES NOT EXCEED THE 576 WATTS REMOVED DURING DEMOLITION.
2. LIGHTING ZONE "2" FIXTURE TYPE "A1" IS TO BE CONTROLLED BY THE SWITCH CONTROLLING THE EXISTING LIGHT FIXTURE AS SHOWN.
3. LIGHTING ZONE "1" LIGHT FIXTURES ARE TO BE CONTROLLED VIA TIMECLOCK (LOCATED WITHIN THE ELECTRICAL CLOSET ON THE 2ND FLOOR) DURING NORMAL BUSINESS HOURS AND DIGITAL CONTROL SWITCH (OVERRIDE DURING AND AFTER BUSINESS HOURS) LOCATED NEAR CUSTOMER CARE 207 (SEE ON THIS PLAN). COORDINATE WITH BUILDING ENGINEER AND OWNER FOR BUILDING OPERATION HOURS.
4. LIGHTING ZONE "1" NORMAL POWERED LIGHT FIXTURES ARE TO BE CIRCUITED TO H2A-61. REFER TO PANELBOARD FOR FURTHER INFORMATION.
5. LIGHTING ZONE "3" NORMAL POWERED LIGHT FIXTURES ARE TO BE CIRCUITED TO H2A-63. REFER TO PANELBOARD SCHEDULE FOR FURTHER INFORMATION. LIGHTING ZONE SHALL BE CONTROLLED VIA TIMECLOCK (LOCATED WITHIN THE ELECTRICAL CLOSET ON THE 2ND FLOOR) DURING NORMAL BUSINESS HOURS AND DIGITAL CONTROL SWITCH (OVERRIDE DURING AND AFTER BUSINESS HOURS) LOCATED WITHIN THE CORRIDOR (SEE PLAN).
6. LIGHTING ZONE "4" NORMAL POWERED LIGHT FIXTURES ARE TO BE CIRCUITED TO H2A-61. REFER TO PANELBOARD SCHEDULE FOR FURTHER INFORMATION. ZONE WILL BE CONTROLLED VIA OCCUPANCY CONTROLS AND WALL MOUNTED SWITCH AS SHOWN.
7. PROVIDE NEW CONTACTOR/RELAY PANEL TO SERVE LOBBY LIGHTS (LIGHTING ZONE 1) ON THE 1ST, 2ND AND 3RD LEVELS (INCLUDE ZONE 3 ON LEVEL 3) VIA B.A.S SYSTEM. REFER TO LIGHTING PLANS AND KEY NOTES TO REFERENCE ZONES TO BE CONTROLLED. COORDINATE WITH BUILDING ENGINEER AND OWNER FOR PROPER CONNECTION TO B.A.S SYSTEM.

KEY NOTES

8. LOW VOLTAGE KEY SWITCH SHALL BE PROGRAMMED WITH THE NEW B.A.S/CONTACTOR/RELAY PANEL (REFER TO KEY NOTE 7 ON SHEET E-202) VIA THE EXISTING B.A.S SYSTEM/TIMECLOCK TO SWITCH "ON/OFF" ALL LIGHT FIXTURES WITHIN ZONE 1 OF THE FIRST, SECOND AND THIRD FLOORS (ALSO ZONE 3 OF 3RD FLOOR) EXCEPT THOSE FIXTURES DENOTED AS "EM" ONLY. FINAL LOCATION OF SWITCH IS TO BE COORDINATED WITH THE BUILDING OWNER. COORDINATE THE CONNECTION OF THE EXISTING B.A.S CONTROLS AND THE KEY SWITCH WITH THE BUILDING OWNER PRIOR TO INSTALLATION.
9. LINE VOLTAGE DIMMER SWITCH SHALL CONTROL LIGHTING ZONE IDENTIFIED AT SWITCH AS SHOWN. PROVIDE LABEL NEXT TO SWITCH INDICATING THE AREA AND LIGHT FIXTURES BEING CONTROLLED BY SWITCH. SWITCHES TO PROVIDED IN NEW ENCLOSURE. COORDINATE FINAL LOCATION OF LIGHT SWITCH WITH BUILDING OWNER OR OWNER'S REPRESENTATIVE. TYPICAL OF SWITHCES SHOWN TOGETHER IN THIS ROOM. COORDINATE THE CONNECTION OF THE EXISTING B.A.S CONTROLS AND THE LOW VOLTAGE DIMMER SWITCH WITH THE BUILDING OWNER PRIOR TO INSTALLATION.
10. LOW VOLTAGE DIMMER SWITCH TO CONTROL LIGHT FIXTURES WITHIN LIGHTING ZONE 3. PROVIDE LABEL NEXT TO SWITCH INDICATING THE AREA AND LIGHT FIXTURES BEING CONTROLLED BY SWITCH. FINAL LOCATION OF SWITCH TO BE COORDINATED WITH BUILDING OWNER AND BUILDING ENGINEER.

GENERAL NOTES

1. NO WORK IN SHADED AREAS UNLESS OTHERWISE NOTED.
2. ALL EXIT LIGHTS ARE TYPE X UNLESS OTHERWISE NOTED.
3. WHERE SWITCHES ARE SHOWN TOGETHER, CONTRACTOR SHALL PROVIDE MULTI-GANG COVERPLATES.
4. ALL LIGHTING FIXTURES IDENTIFIED WITH EM AN EXIT SIGNS SHALL BE CONNECTED TO THE EMERGENCY POWER CIRCUIT PREVIOUSLY SERVING THIS FLOOR. THE PREVIOUS LIGHTING LOAD REMOVED DURING DEMOLITION (2272 WATTS) IS NOT EXCEEDED BY THE NEW LIGHTING LOAD OF 562 WATTS.
5. CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY THE CIRCUIT TO BE REUSED IN CONNECTION WITH DEVICES IN THE NEW WORK. DESCRIPTION OF THE TYPE AND LOCATION OF THE CIRCUIT SHALL BE IDENTIFIED IN THE UPDATED PANELBOARD SCHEDULE PROVIDED WITH THIS PROJECT. CONTRACTOR SHALL MARK SUCH INFORMATION ON THE "AS-BUILT" DRAWINGS PROVIDED FOR FINAL INSPECTION.
6. ALL EXISTING LIGHTS, EMERGENCY LIGHTS AND EXIT SIGNS OUTSIDE THE SCOPE OF WORK AREA ARE EXISTING TO REMAIN FROM PREVIOUSLY APPROVED PERMIT DRAWINGS AND INSPECTOR SITE VISITS. THERE HAS BEEN NO CHANGE IN EXISTING EGRESS PATH.



LEVEL 2 - LIGHTING - ELECTRICAL

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

KEY PLAN - LIGHT ZONES NOT TO SCALE

8' 4' 0' 8' 16'
GRAPHIC SCALE: 1/8" = 1'-0"

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Project: 18029-01

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1 PERMIT CHANGES 4/16/20

LEVEL 2 - LIGHTING - ELECTRICAL

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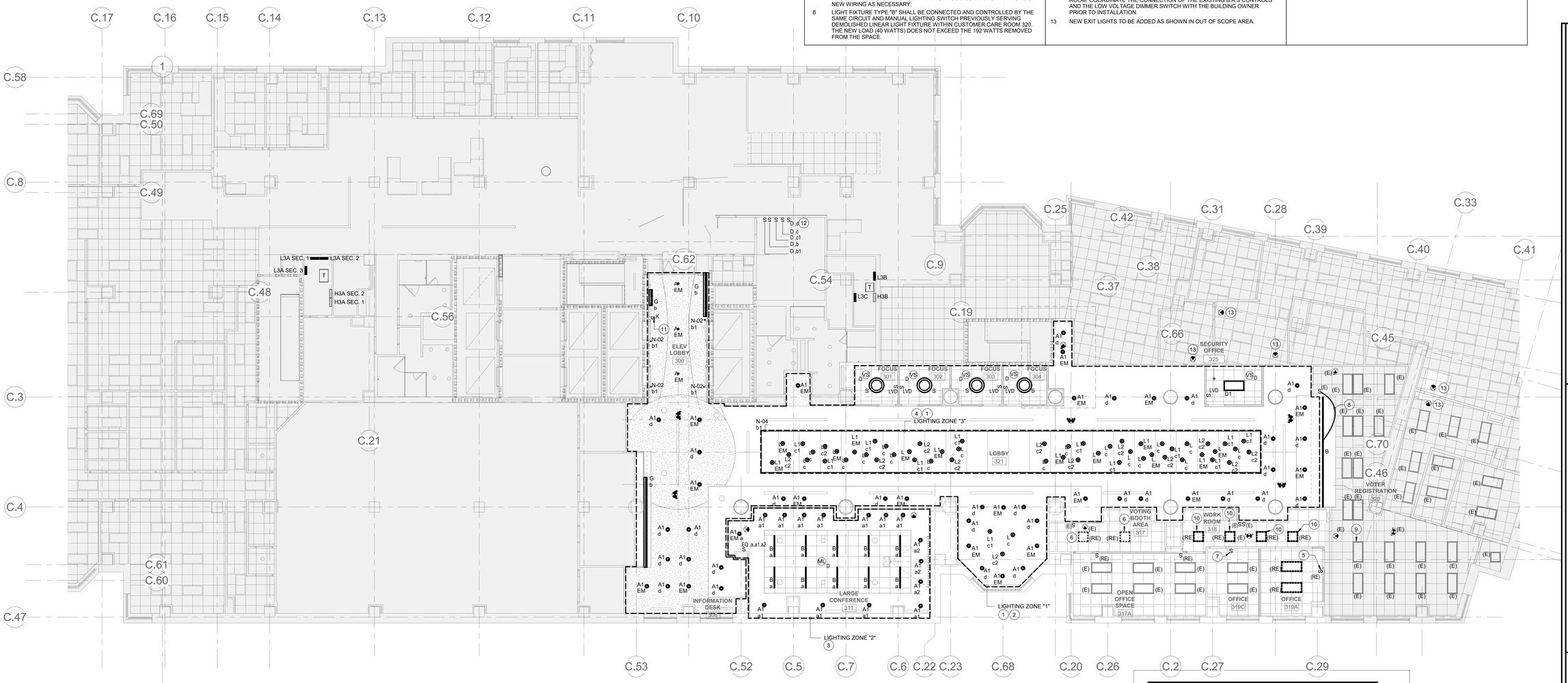
KEY NOTES

1. LIGHTING ZONE "1" AND "3" LIGHT FIXTURES ARE TO BE CONTROLLED VIA TIMECLOCK; LOCATED WITHIN THE ELECTRICAL CLOSET ON THE 2ND FLOOR) DURING NORMAL BUSINESS HOURS AND DIGITAL CONTROL SWITCH (OVERRIDE DURING AND AFTER BUSINESS HOURS) LOCATED OUTSIDE THE LARGE CONFERENCE ROOM 305A (SEE ON THIS PLAN). COORDINATE WITH BUILDING ENGINEER AND OWNER FOR BUILDING OPERATION HOURS.
2. LIGHTING ZONE "1" NORMAL POWERED LIGHT FIXTURES ARE TO BE CIRCUITED TO H3A-45. REFER TO PANELBOARD FOR FURTHER INFORMATION.
3. LIGHTING ZONE "2" NORMAL POWERED LIGHT FIXTURES ARE TO BE CIRCUITED TO H3A-45. REFER TO PANELBOARD SCHEDULE FOR FURTHER INFORMATION.
4. LIGHTING ZONE "3" NORMAL POWERED LIGHT FIXTURES ARE TO BE CIRCUITED TO H3A-47. REFER TO PANELBOARD SCHEDULE FOR FURTHER INFORMATION.
5. RELOCATED MANUAL SWITCH SHALL CONTROL THE RELOCATED LIGHT FIXTURES WITHIN OFFICE 319A AS SHOWN. PROVIDE NEW WIRING AS NECESSARY.
6. RELOCATED LIGHT FIXTURES WITHIN VOTING BOOTH AREA 317 SHALL BE CONTROLLED BY THE SWITCH WITHIN THE ROOM AS PREVIOUSLY CONTROLLED PRIOR TO DEMOLITION.
7. NEW MANUAL TOGGLE SWITCH TO CONTROL FIXTURES SHALL CONTROL THE EXISTING LIGHT FIXTURES WITHIN OFFICE 319C AS SHOWN. PROVIDE NEW WIRING AS NECESSARY.
8. LIGHT FIXTURE TYPE "B" SHALL BE CONNECTED AND CONTROLLED BY THE SAME CIRCUIT AND MANUAL LIGHTING SWITCH PREVIOUSLY SERVING DEMOLISHED LINEAR LIGHT FIXTURE WITHIN CUSTOMER CARE ROOM 320. THE NEW LOAD (40 WATTS) DOES NOT EXCEED THE 192 WATTS REMOVED FROM THE SPACE.
9. EXISTING LIGHT FIXTURE SHALL BE DISCONNECTED FROM NORMAL CIRCUIT AND RECIRCUITED TO THE EMERGENCY CIRCUIT SERVING THIS SPACE. THE NEW LOAD WILL (96 WATTS) WILL NOT EXCEED THE LOAD REMOVED DURING DEMOLITION (96 WATTS). SPLICE AND EXTEND WIRING AS NECESSARY.
10. RELOCATED LIGHTS WITHIN WORK ROOM. SPLICE AND EXTEND EXISTING WIRING TO RELOCATED FIXTURES WHERE SHOWN. COORDINATE FINAL LOCATION IN FIELD WITH ARCHITECT.
11. LOW VOLTAGE KEY SWITCH SHALL BE PROGRAMMED WITH THE NEW B.A.S/CONTACTOR/RELAY PANEL (REFER TO KEY NOTE 7 ON SHEET E-202) VIA THE EXISTING B.A.S SYSTEM/TIMECLOCK TO SWITCH "ON/OFF" ALL LIGHT FIXTURES WITHIN ZONE 1 OF THE FIRST, SECOND AND THIRD FLOORS (ALSO ZONE 3 OF 3RD FLOOR) EXCEPT THOSE FIXTURES DENOTED AS "EM" ONLY. FINAL LOCATION OF SWITCH IS TO BE COORDINATED WITH THE BUILDING OWNER. COORDINATE THE CONNECTION OF THE EXISTING B.A.S CONTROLS AND THE KEY SWITCH WITH THE BUILDING OWNER PRIOR TO INSTALLATION.
12. LINE VOLTAGE DIMMER SWITCH SHALL CONTROL LIGHTING ZONE IDENTIFIED AT SWITCH AS SHOWN. PROVIDE LABEL NEXT TO SWITCH INDICATING THE AREA AND LIGHT FIXTURES BEING CONTROLLED BY SWITCH. SWITCHES TO PROVIDED IN NEW ENCLOSURE. COORDINATE FINAL LOCATION OF LIGHT SWITCH WITH BUILDING OWNER OR OWNER'S REPRESENTATIVE. TYPICAL OF SWITHCES SHOWN TOGETHER IN THIS ROOM. COORDINATE THE CONNECTION OF THE EXISTING B.A.S CONTROLS AND THE LOW VOLTAGE DIMMER SWITCH WITH THE BUILDING OWNER PRIOR TO INSTALLATION.
13. NEW EXIT LIGHTS TO BE ADDED AS SHOWN IN OUT OF SCOPE AREA.

GENERAL NOTES

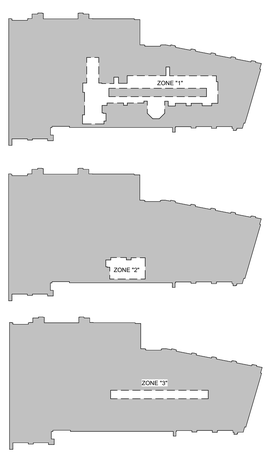
1. NO WORK IN SHADED AREAS UNLESS OTHERWISE NOTED.
2. ALL EXIT LIGHTS ARE TYPE X UNLESS OTHERWISE NOTED.
3. WHERE SWITCHES ARE SHOWN TOGETHER, CONTRACTOR SHALL PROVIDE MULTI-GANG COVERPLATES.
4. ALL LIGHTING FIXTURES IDENTIFIED WITH EM AN EXIT SIGNS SHALL BE CONNECTED TO THE EMERGENCY POWER CIRCUIT PREVIOUSLY SERVING THIS FLOOR. THE NEW LOAD OF 249 WATTS DOES NOT EXCEED THE LOAD REMOVED DURING DEMOLITION (1072 WATTS).
5. CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY THE CIRCUIT TO BE REUSED IN CONNECTION WITH DEVICES IN THE NEW WORK. DESCRIPTION OF THE TYPE AND LOCATION OF THE CIRCUIT SHALL BE IDENTIFIED IN THE UPDATED PANELBOARD SCHEDULE PROVIDED WITH THIS PROJECT. CONTRACTOR SHALL MARK SUCH INFORMATION ON THE "AS-BUILT" DRAWINGS PROVIDED FOR FINAL INSPECTION.
6. ALL EXISTING LIGHTS, EMERGENCY LIGHTS AND EXIT SIGNS OUTSIDE THE SCOPE OF WORK AREA ARE EXISTING TO REMAIN FROM PREVIOUSLY APPROVED PERMIT DRAWINGS AND INSPECTOR SITE VISITS. THERE HAS BEEN NO CHANGE IN EXISTING EGRESS PATH.



LEVEL 3 - LIGHTING - ELECTRICAL

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

KEY PLAN - LIGHT ZONES NOT TO SCALE



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Revisions

2 PERMIT REVISIONS #2 5/8/20

LEVEL 3 - LIGHTING - ELECTRICAL

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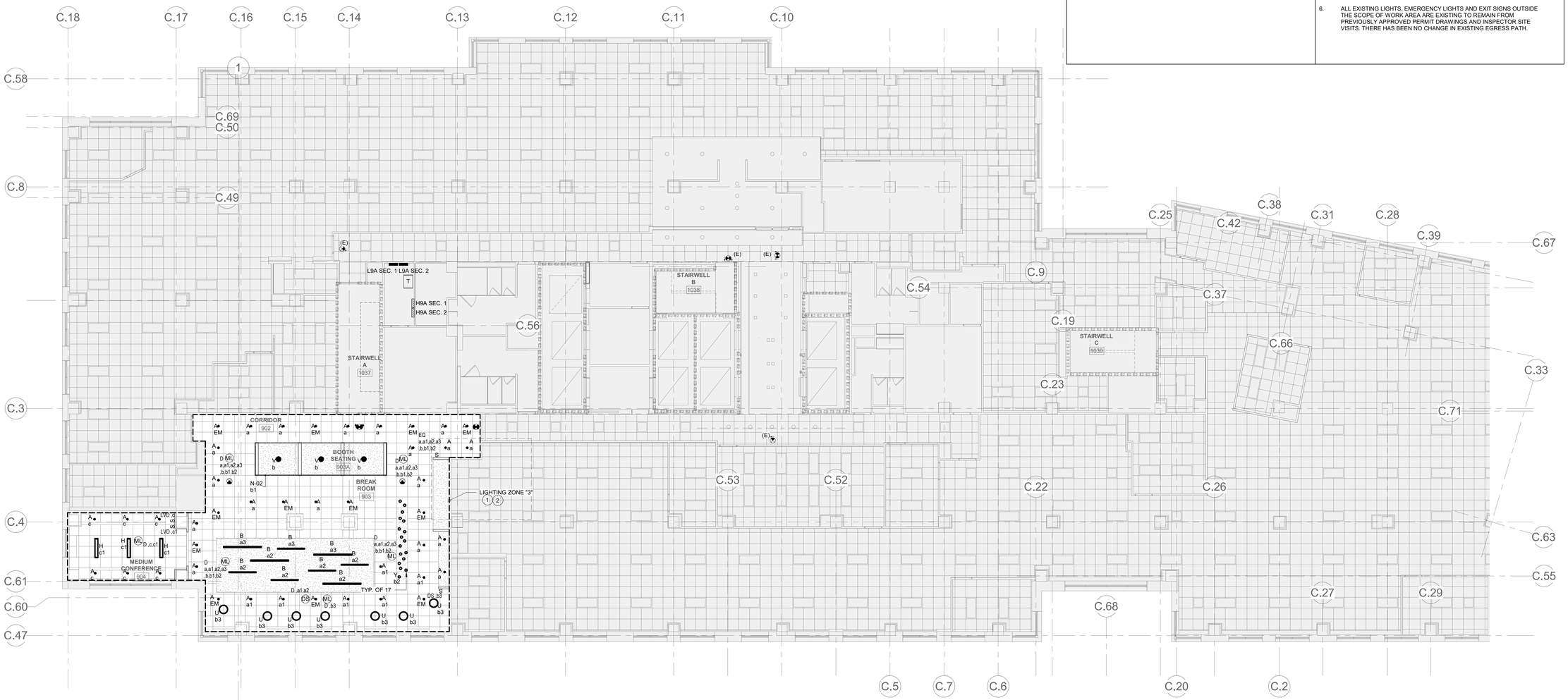
KEY NOTES

1. NORMAL POWERED LIGHT FIXTURES W/ SYMBOLS "b,b1,b2,b3" WITHIN LIGHTING ZONE "3" ARE TO BE CONNECTED TO CIRCUIT L9A-79. REFER TO PANEL SCHEDULES FOR FURTHER INFORMATION.
2. NORMAL POWERED (277V) LIGHT FIXTURES W/ SYMBOLS "a,a1,a2,a3" WITHIN LIGHTING ZONE "3" ARE TO BE CONNECTED TO CIRCUIT PREVIOUSLY SERVING REMOVED LIGHT FIXTURES DURING DEMOLITION. THE NEW LIGHTING LOAD OF 822 WATTS DOES NOT EXCEED THE LIGHTING LOAD REMOVED DURING DEMOLITION (2560 WATTS).

GENERAL NOTES

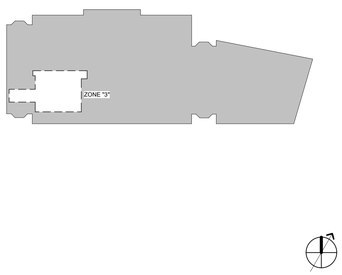
1. NO WORK IN SHADED AREAS UNLESS OTHERWISE NOTED.
2. ALL EXIT LIGHTS ARE TYPE X UNLESS OTHERWISE NOTED.
3. WHERE SWITCHES ARE SHOWN TOGETHER, CONTRACTOR SHALL PROVIDE MULTI-GANG COVERPLATES.
4. ALL LIGHTING FIXTURES IDENTIFIED WITH EM AN EXIT SIGNS SHALL BE CONNECTED TO THE EMERGENCY POWER CIRCUIT PREVIOUSLY SERVING THIS FLOOR. THE NEW LIGHTING LOAD OF 400 WATTS DOES NOT EXCEED THE LIGHTING LOAD REMOVED DURING DEMOLITION (856 WATTS).
5. CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY THE CIRCUIT TO BE REUSED IN CONNECTION WITH DEVICES IN THE NEW WORK. DESCRIPTION OF THE TYPE AND LOCATION OF THE CIRCUIT SHALL BE IDENTIFIED IN THE UPDATED PANELBOARD SCHEDULE PROVIDED WITH THIS PROJECT. CONTRACTOR SHALL MARK SUCH INFORMATION ON THE "AS-BUILT" DRAWINGS PROVIDED FOR FINAL INSPECTION.
6. ALL EXISTING LIGHTS, EMERGENCY LIGHTS AND EXIT SIGNS OUTSIDE THE SCOPE OF WORK AREA ARE EXISTING TO REMAIN FROM PREVIOUSLY APPROVED PERMIT DRAWINGS AND INSPECTOR SITE VISITS. THERE HAS BEEN NO CHANGE IN EXISTING EGRESS PATH.



LEVEL 9 - LIGHTING - ELECTRICAL

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

KEY PLAN - LIGHT ZONES NOT TO SCALE



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LEVEL 9 - LIGHTING - ELECTRICAL

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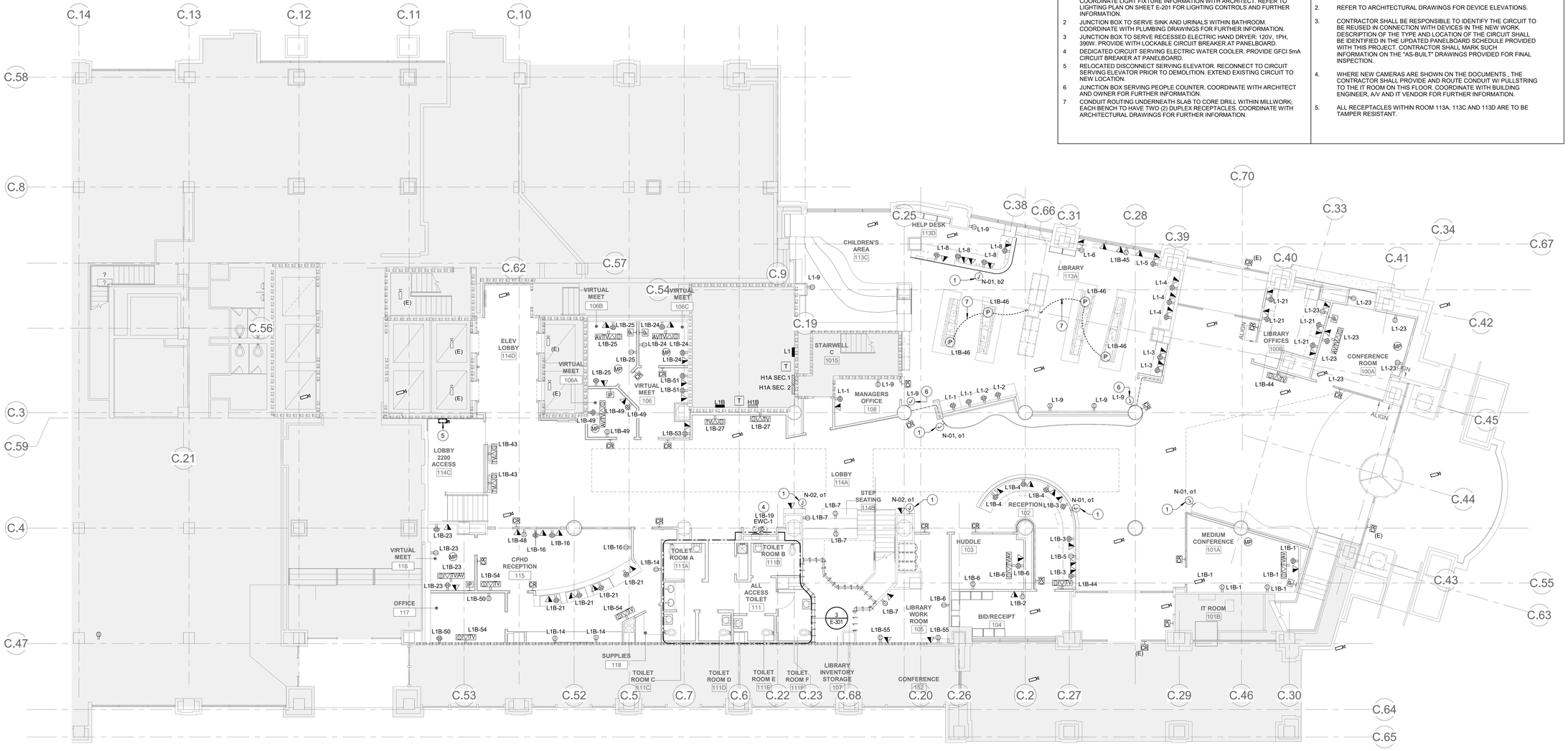
KEY NOTES

1. JUNCTION BOX SERVING LIGHT FIXTURE TYPE "N" WITHIN MILLWORK. COORDINATE LIGHT FIXTURE INFORMATION WITH ARCHITECT. REFER TO LIGHTING PLAN ON SHEET E-201 FOR LIGHTING CONTROLS AND FURTHER INFORMATION.
2. JUNCTION BOX TO SERVE SINK AND URINALS WITHIN BATHROOM. COORDINATE WITH PLUMBING DRAWINGS FOR FURTHER INFORMATION.
3. JUNCTION BOX TO SERVE RECESSED ELECTRIC HAND DRYER: 120V, 1PH, 390W. PROVIDE WITH LOCKABLE CIRCUIT BREAKER AT PANELBOARD.
4. DEDICATED CIRCUIT SERVING ELECTRIC WATER COOLER. PROVIDE GFCI 5mA CIRCUIT BREAKER AT PANELBOARD.
5. RELOCATED DISCONNECT SERVING ELEVATOR. RECONNECT TO CIRCUIT SERVING ELEVATOR PRIOR TO DEMOLITION. EXTEND EXISTING CIRCUIT TO NEW LOCATION.
6. JUNCTION BOX SERVING PEOPLE COUNTER. COORDINATE WITH ARCHITECT AND OWNER FOR FURTHER INFORMATION.
7. CONDUIT ROUTING UNDERNEATH SLAB TO CORE DRILL WITHIN MILLWORK; EACH BENCH TO HAVE TWO (2) DUPLEX RECEPTACLES. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION.

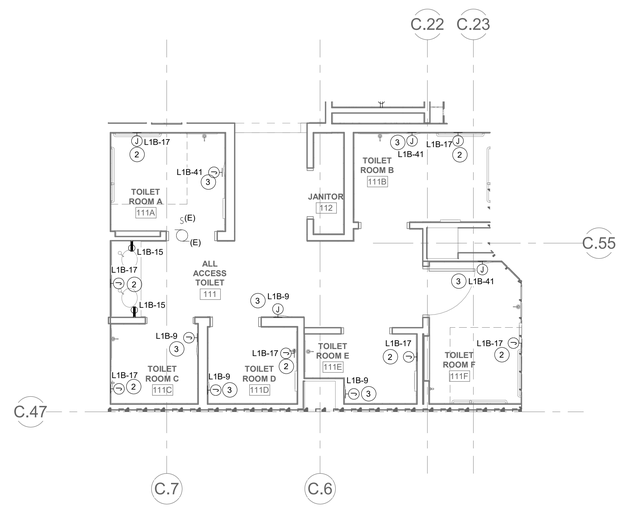
GENERAL NOTES

1. NO WORK IN SHADED AREAS UNLESS OTHERWISE NOTED.
2. REFER TO ARCHITECTURAL DRAWINGS FOR DEVICE ELEVATIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY THE CIRCUIT TO BE REUSED IN CONNECTION WITH DEVICES IN THE NEW WORK. DESCRIPTION OF THE TYPE AND LOCATION OF THE CIRCUIT SHALL BE IDENTIFIED IN THE UPDATED PANELBOARD SCHEDULE PROVIDED WITH THIS PROJECT. CONTRACTOR SHALL MARK SUCH INFORMATION ON THE "AS-BUILT" DRAWINGS PROVIDED FOR FINAL INSPECTION.
4. WHERE NEW CAMERAS ARE SHOWN ON THE DOCUMENTS , THE CONTRACTOR SHALL PROVIDE AND ROUTE CONDUIT W/ PULLSTRING TO THE IT ROOM ON THIS FLOOR. COORDINATE WITH BUILDING ENGINEER, A/V AND IT VENDOR FOR FURTHER INFORMATION.
5. ALL RECEPTACLES WITHIN ROOM 113A, 113C AND 113D ARE TO BE TAMPER RESISTANT.



LEVEL 1- POWER - ELECTRICAL

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

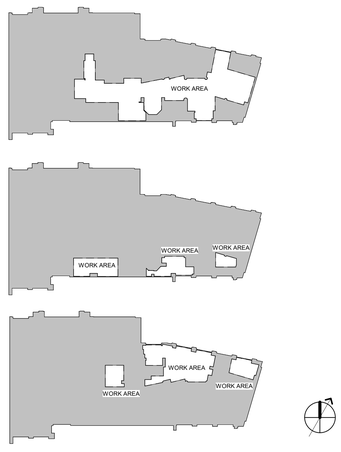


ACCESS TOILET ROOM

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

KEY PLAN

NOT TO SCALE



4' 2' 0' 4' 8'
GRAPHIC SCALE: 1/4" = 1'-0"

8' 4' 0' 8' 16'
GRAPHIC SCALE: 1/8" = 1'-0"

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Construction Documents for:

ARLINGTON COUNTY OFFICES RENOVATION

2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

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Revisions

1 PERMIT CHANGES 4/16/20

LEVEL 1 - POWER - ELECTRICAL

Scale	As indicated
Drawn	SIS
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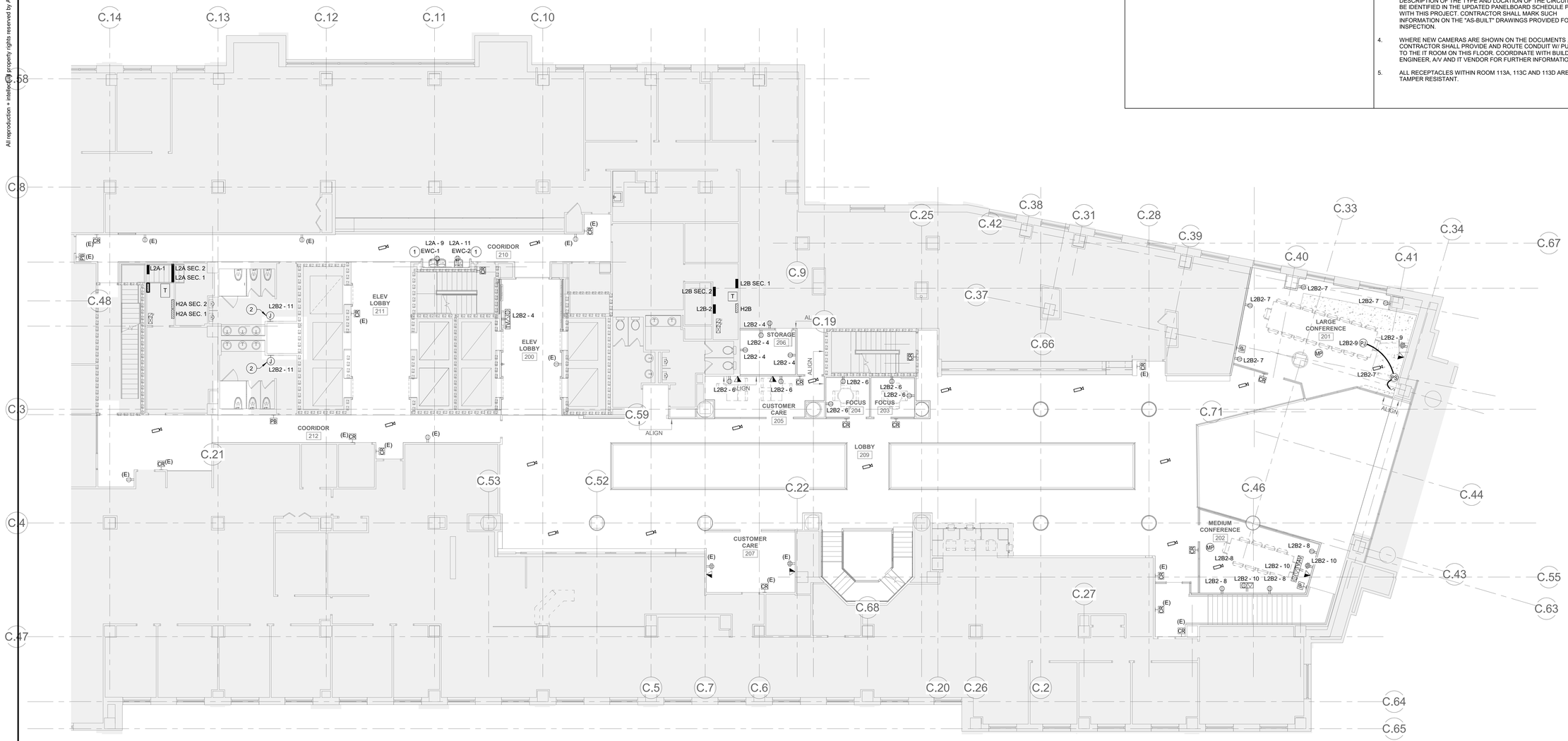
KEY NOTES

1. DEDICATED CIRCUIT SERVING ELECTRIC WATER COOLER. PROVIDE GFCI 5mA CIRCUIT BREAKER AT PANELBOARD.
2. JUNCTION BOX TO SERVE RECESSED ELECTRIC HAND DRYER: 120V, 1PH, 390W. PROVIDE WITH LOCKABLE CIRCUIT BREAKER AT PANELBOARD.

GENERAL NOTES

1. NO WORK IN SHADED AREAS UNLESS OTHERWISE NOTED.
2. REFER TO ARCHITECTURAL DRAWINGS FOR DEVICE ELEVATIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY THE CIRCUIT TO BE REUSED IN CONNECTION WITH DEVICES IN THE NEW WORK. DESCRIPTION OF THE TYPE AND LOCATION OF THE CIRCUIT SHALL BE IDENTIFIED IN THE UPDATED PANELBOARD SCHEDULE PROVIDED WITH THIS PROJECT. CONTRACTOR SHALL MARK SUCH INFORMATION ON THE "AS-BUILT" DRAWINGS PROVIDED FOR FINAL INSPECTION.
4. WHERE NEW CAMERAS ARE SHOWN ON THE DOCUMENTS , THE CONTRACTOR SHALL PROVIDE AND ROUTE CONDUIT W/ PULLSTRING TO THE IT ROOM ON THIS FLOOR. COORDINATE WITH BUILDING ENGINEER, A/V AND IT VENDOR FOR FURTHER INFORMATION.
5. ALL RECEPTACLES WITHIN ROOM 113A, 113C AND 113D ARE TO BE TAMPER RESISTANT.



LEVEL 2 - POWER - ELECTRICAL

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

KEY PLAN

NOT TO SCALE

8' 4' 0' 8' 16'
GRAPHIC SCALE: 1/8" = 1'-0"

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1 PERMIT CHANGES 4/16/20

LEVEL 2 - POWER - ELECTRICAL

Scale **As indicated**
Drawn SIS
Checked AIE

E-302

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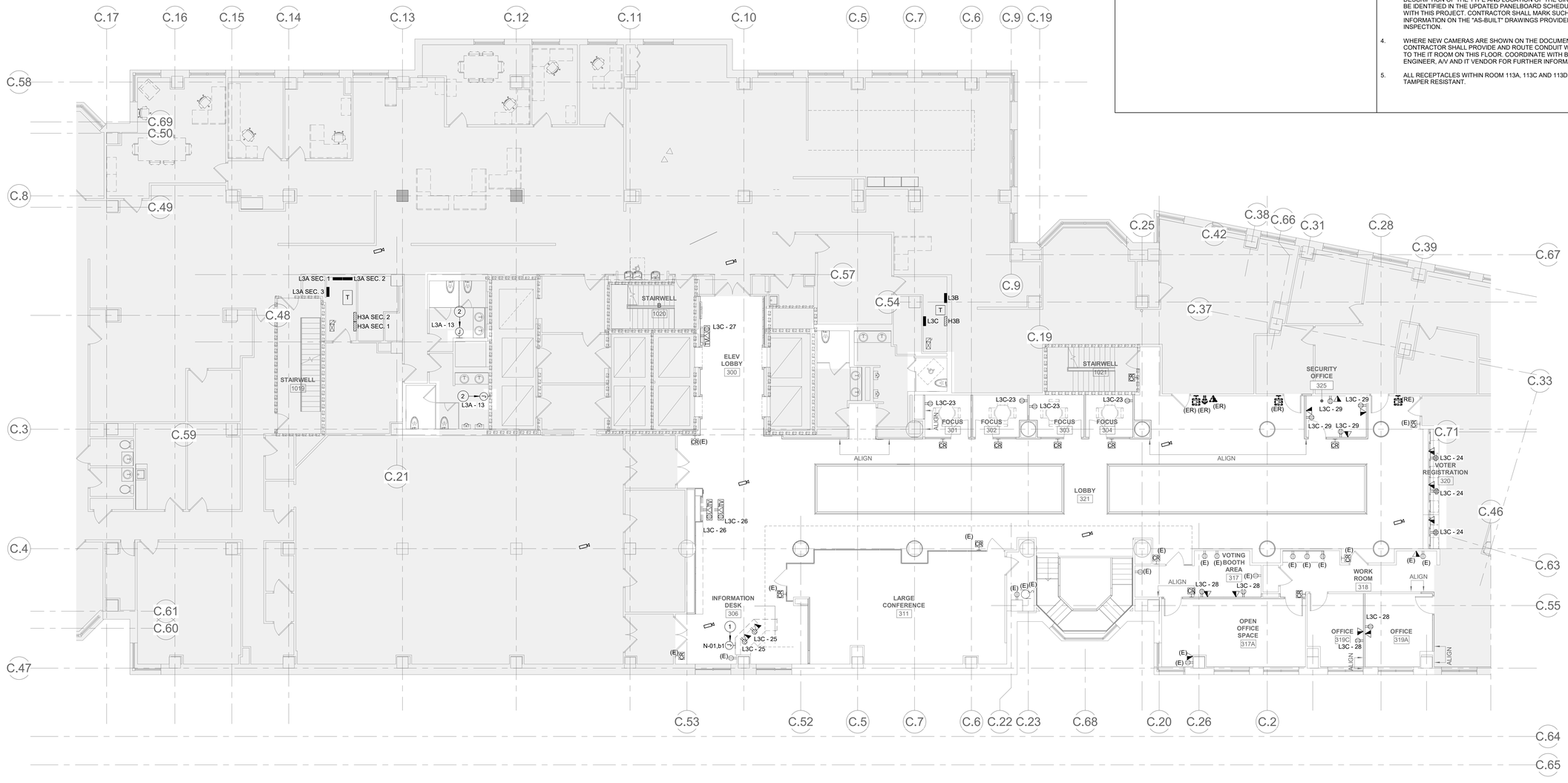
ⓗ KEY NOTES ⓗ

1. JUNCTION BOX SERVING LIGHT FIXTURE TYPE "N" WITHIN MILLWORK. COORDINATE LIGHT FIXTURE INFORMATION WITH ARCHITECT. REFER TO LIGHTING PLAN ON SHEET E-202 FOR LIGHTING CONTROLS AND FURTHER INFORMATION.
2. JUNCTION BOX TO SERVE RECESSED ELECTRIC HAND DRYER: 120V, 1PH, 390W. PROVIDE WITH LOCKABLE CIRCUIT BREAKER AT PANELBOARD.

GENERAL NOTES

1. NO WORK IN SHADED AREAS UNLESS OTHERWISE NOTED.
2. REFER TO ARCHITECTURAL DRAWINGS FOR DEVICE ELEVATIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY THE CIRCUIT TO BE REUSED IN CONNECTION WITH DEVICES IN THE NEW WORK. DESCRIPTION OF THE TYPE AND LOCATION OF THE CIRCUIT SHALL BE IDENTIFIED IN THE UPDATED PANELBOARD SCHEDULE PROVIDED WITH THIS PROJECT. CONTRACTOR SHALL MARK SUCH INFORMATION ON THE "AS-BUILT" DRAWINGS PROVIDED FOR FINAL INSPECTION.
4. WHERE NEW CAMERAS ARE SHOWN ON THE DOCUMENTS , THE CONTRACTOR SHALL PROVIDE AND ROUTE CONDUIT W/ PULLSTRING TO THE IT ROOM ON THIS FLOOR. COORDINATE WITH BUILDING ENGINEER, A/V AND IT VENDOR FOR FURTHER INFORMATION.
5. ALL RECEPTACLES WITHIN ROOM 113A, 113C AND 113D ARE TO BE TAMPER RESISTANT.

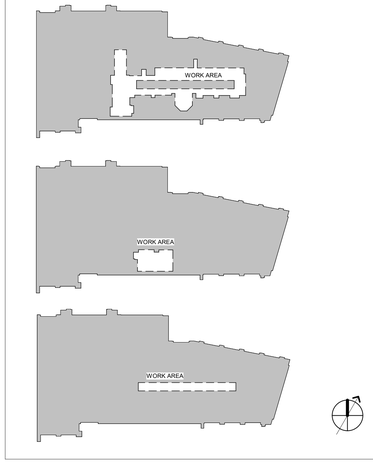


LEVEL 3 - POWER - ELECTRICAL

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

KEY PLAN

NOT TO SCALE



8' 4' 0' 8' 16'

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

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1 PERMIT CHANGES 4/16/20

LEVEL 3 - POWER - ELECTRICAL

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KEY NOTES

1. DISPOSAL: 120V, 1PH. PROVIDE DUPLEX RECEPTACLE UNDER COUNTER. PROVIDE 20A, 1P, 120V TOGGLE DISCONNECT +44" A.F.F. PROVIDE CORD AND PLUG SET CONNECTION BELOW COUNTER.
2. DEDICATED OUTLET TO SERVE DISHWASHER. PROVIDE GFCI 5mA CIRCUIT BREAKER AT PANELBOARD.

GENERAL NOTES

1. NO WORK IN SHADED AREAS UNLESS OTHERWISE NOTED.
2. REFER TO ARCHITECTURAL DRAWINGS FOR DEVICE ELEVATIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY THE CIRCUIT TO BE REUSED IN CONNECTION WITH DEVICES IN THE NEW WORK. DESCRIPTION OF THE TYPE AND LOCATION OF THE CIRCUIT SHALL BE IDENTIFIED IN THE UPDATED PANELBOARD SCHEDULE PROVIDED WITH THIS PROJECT. CONTRACTOR SHALL MARK SUCH INFORMATION ON THE "AS-BUILT" DRAWINGS PROVIDED FOR FINAL INSPECTION.
4. WHERE NEW CAMERAS ARE SHOWN ON THE DOCUMENTS , THE CONTRACTOR SHALL PROVIDE AND ROUTE CONDUIT W/ PULLSTRING TO THE IT ROOM ON THIS FLOOR. COORDINATE WITH BUILDING ENGINEER, A/V AND IT VENDOR FOR FURTHER INFORMATION.
5. ALL RECEPTACLES WITHIN ROOM 113A, 113C AND 113D ARE TO BE TAMPER RESISTANT.

LEVEL 9 - POWER - ELECTRICAL

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

KEY PLAN

NOT TO SCALE

8' 4' 0' 8' 16'

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

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LEVEL 9 - POWER - ELECTRICAL

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FIRE ALARM SYMBOLS LEGEND

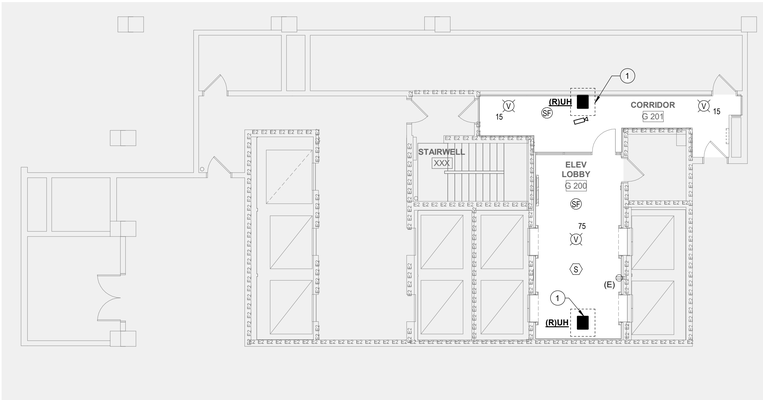
- FIRE ALARM VISUAL DEVICE ONLY MINIMUM 15 CANDELA STROBE (UON ON FLOOR PLAN) (+80" TO BOTTOM OF DEVICE OR 6" BELOW CEILING, WHICHEVER IS LOWEST) ADA APPROVED UON, (DEVICE WITHOUT STEM IS CEILING MOUNTED)
- FIRE ALARM AUDIO/VISUAL DEVICE MINIMUM 15 CANDELA STROBE (UON ON FLOOR PLAN) (+80" TO BOTTOM OF DEVICE OR 6" BELOW CEILING, WHICHEVER IS LOWEST) ADA APPROVED UON (DEVICE WITHOUT STEM IS CEILING MOUNTED)
- FIRE ALARM AUDIBLE DEVICE (SPEAKER), CEILING MOUNTED.
- FIRE ALARM MANUAL PULL STATION (+48").
- SMOKE DETECTOR CEILING MOUNTED

KEY NOTES

1. DISCONNECT CIRCUIT AND WIRING SERVING UNIT HEATER AND SALVAGE FOR REUSE IN NEW WORK. REFER TO SHEET E-400 FOR FURTHER INFORMATION.

GENERAL NOTES

1. NO WORK IN SHADED AREAS UNLESS OTHERWISE NOTED.
2. ALL ELECTRIC DOOR DEVICES MUST COMPLY WITH N.F.P.A. 72 AND RELEASE UPON FIRE ALARM ACTIVATION AND/OR POWER FAILURE (FAILSAFE).
3. CONNECT DEVICES TO EXISTING BASE BUILDING FIRE ALARM SYSTEM WITH WIRE AND CONDUIT AS REQUIRED BY EQUIPMENT MANUFACTURER. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ANY COMPONENTS AND/OR MAKE ANY MODIFICATIONS NECESSARY TO THE FIRE ALARM CONTROL PANEL AND POWER SUPPLY TO ALLOW FOR INSTALLATION OF NEW ADA APPROVED FIRE ALARM DEVICES.
4. ALL EXISTING FIRE ALARM DEVICES OUTSIDE THE SCOPE OF WORK AREA ARE EXISTING TO REMAIN FROM PREVIOUSLY APPROVED PERMIT DRAWINGS AND INSPECTOR SITE VISITS. THERE HAS BEEN NO CHANGE IN EXISTING EGRESS PATH.
5. ALL FIRE ALARM TIE-INS SHALL BE COMPLETED BY THE BASE BUILDING FIRE ALARM CONTRACTOR.
6. ENSURE THAT ALL EXISTING FIRE ALARM DEVICES WITHIN THE SCOPE OF WORK ARE REPLACED WITH NEW DEVICES.

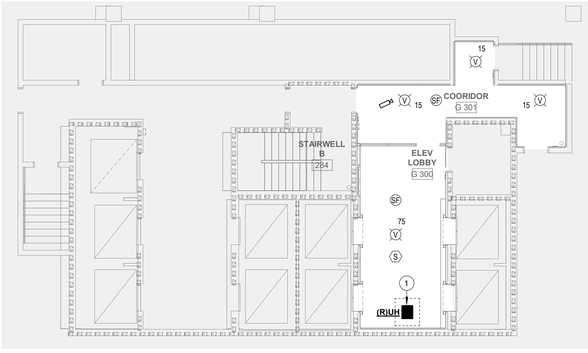


LEVEL G2 LOBBY - HVAC POWER AND FIRE ALARM - ELECTRICAL

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

LEVEL G1 LOBBY - HVAC POWER AND FIRE ALARM - ELECTRICAL

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

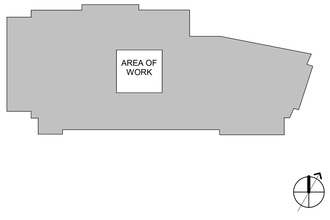


LEVEL G3 LOBBY - HVAC POWER AND FIRE ALARM - ELECTRICAL

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

KEY PLAN

NOT TO SCALE



8' 4' 0' 8' 16'

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

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ARLINGTON, VIRGINIA

Project: 18029-01

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LEVEL G1, G2, G3 LOBBY - HVAC POWER AND FIRE ALARM - ELECTRICAL

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FIRE ALARM SYMBOLS LEGEND

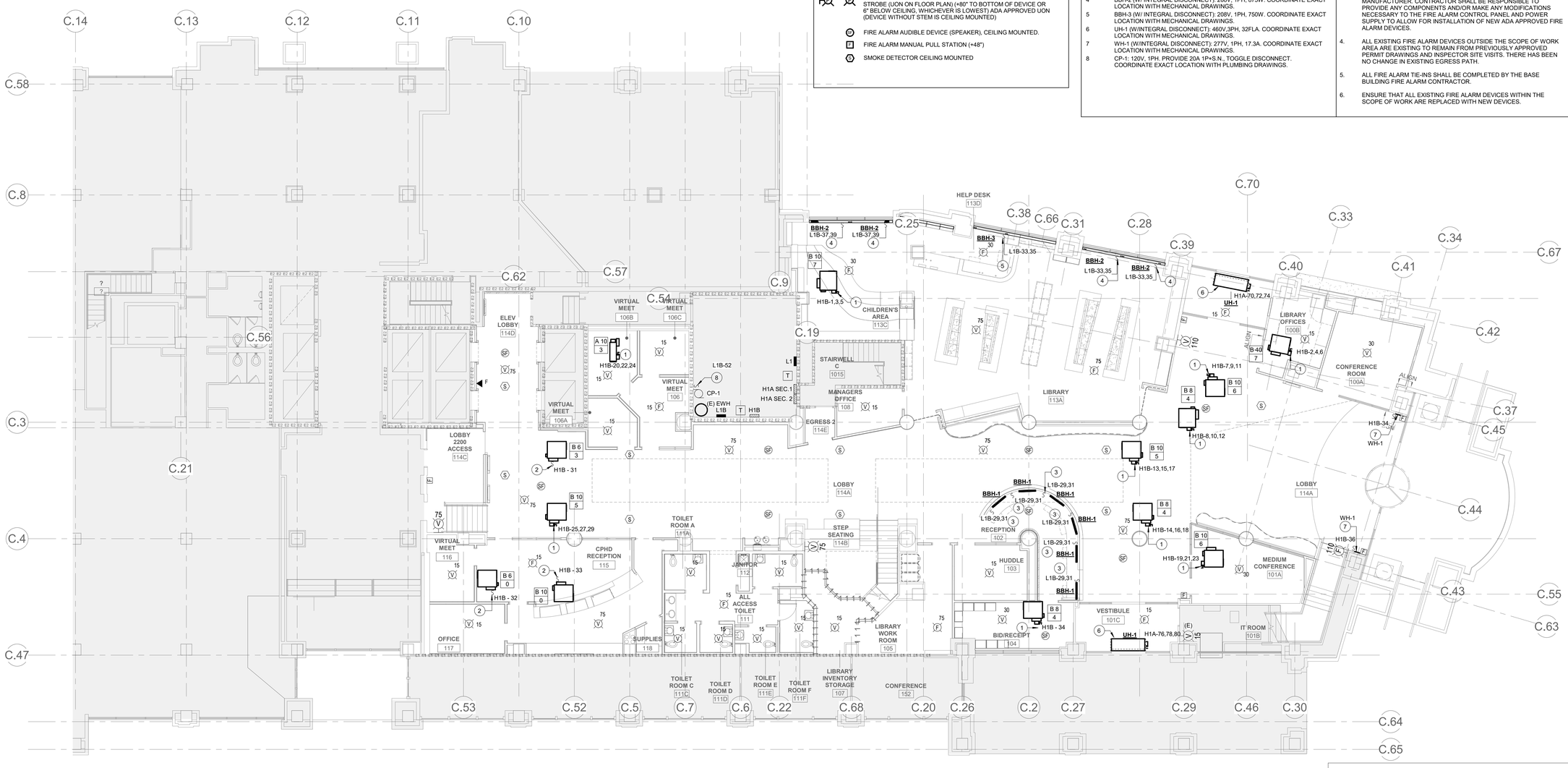
- FIRE ALARM VISUAL DEVICE ONLY MINIMUM 15 CANDELA STROBE (UON ON FLOOR PLAN) (+80" TO BOTTOM OF DEVICE OR 6" BELOW CEILING, WHICHEVER IS LOWEST) ADA APPROVED UON, (DEVICE WITHOUT STEM IS CEILING MOUNTED)
- FIRE ALARM AUDIO/VISUAL DEVICE MINIMUM 15 CANDELA STROBE (UON ON FLOOR PLAN) (+80" TO BOTTOM OF DEVICE OR 6" BELOW CEILING, WHICHEVER IS LOWEST) ADA APPROVED UON (DEVICE WITHOUT STEM IS CEILING MOUNTED)
- FIRE ALARM AUDIBLE DEVICE (SPEAKER), CEILING MOUNTED.
- F FIRE ALARM MANUAL PULL STATION (+48")
- SD SMOKE DETECTOR CEILING MOUNTED

KEY NOTES

1. VAV: HEAT AS INDICATED + FAN, 480V, 3PH. PROVIDE 30A, 3P+S.N., 600V, N.F.S.S. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.
2. VAV: HEAT AS INDICATED + FAN, 277V, 1PH. PROVIDE 30A, 1P+S.N., TOGGLE DISCONNECT. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.
3. BBH-1 (W/ INTEGRAL DISCONNECT): 208V, 1PH, 375W. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.
4. BBH-2 (W/ INTEGRAL DISCONNECT): 208V, 1PH, 875W. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.
5. BBH-3 (W/ INTEGRAL DISCONNECT): 208V, 1PH, 750W. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.
6. UH-1 (W/INTEGRAL DISCONNECT): 460V,3PH, 32FLA. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.
7. WH-1 (W/INTEGRAL DISCONNECT): 277V, 1PH, 17.3A. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.
8. CP-1: 120V, 1PH. PROVIDE 20A 1P+S.N., TOGGLE DISCONNECT. COORDINATE EXACT LOCATION WITH PLUMBING DRAWINGS.

GENERAL NOTES

1. NO WORK IN SHADED AREAS UNLESS OTHERWISE NOTED.
2. ALL ELECTRIC DOOR DEVICES MUST COMPLY WITH N.F.P.A. 72 AND RELEASE UPON FIRE ALARM ACTIVATION AND/OR POWER FAILURE (FAILSAFE).
3. CONNECT DEVICES TO EXISTING BASE BUILDING FIRE ALARM SYSTEM WITH WIRE AND CONDUIT AS REQUIRED BY EQUIPMENT MANUFACTURER. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ANY COMPONENTS AND/OR MAKE ANY MODIFICATIONS NECESSARY TO THE FIRE ALARM CONTROL PANEL AND POWER SUPPLY TO ALLOW FOR INSTALLATION OF NEW ADA APPROVED FIRE ALARM DEVICES.
4. ALL EXISTING FIRE ALARM DEVICES OUTSIDE THE SCOPE OF WORK AREA ARE EXISTING TO REMAIN FROM PREVIOUSLY APPROVED PERMIT DRAWINGS AND INSPECTOR SITE VISITS. THERE HAS BEEN NO CHANGE IN EXISTING EGRESS PATH.
5. ALL FIRE ALARM TIE-INS SHALL BE COMPLETED BY THE BASE BUILDING FIRE ALARM CONTRACTOR.
6. ENSURE THAT ALL EXISTING FIRE ALARM DEVICES WITHIN THE SCOPE OF WORK ARE REPLACED WITH NEW DEVICES.



LEVEL 1 - HVAC POWER AND FIRE ALARM - ELECTRICAL

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

KEY PLAN

NOT TO SCALE

8' 4' 0' 8' 16'

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

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LEVEL 1 - HVAC POWER AND FIRE ALARM - ELECTRICAL

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FIRE ALARM SYMBOLS LEGEND

- FIRE ALARM VISUAL DEVICE ONLY MINIMUM 15 CANDELA STROBE (UON ON FLOOR PLAN) (+80" TO BOTTOM OF DEVICE OR 6" BELOW CEILING, WHICHEVER IS LOWEST) ADA APPROVED UON. (DEVICE WITHOUT STEM IS CEILING MOUNTED)
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- SP FIRE ALARM AUDIBLE DEVICE (SPEAKER), CEILING MOUNTED.
- F FIRE ALARM MANUAL PULL STATION (+48")
- SD SMOKE DETECTOR CEILING MOUNTED

KEY NOTES

1. VAV: HEAT AS INDICATED + FAN, 480V, 3PH. PROVIDE 30A, 3P+S.N., 600V, N.F.S.S. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.

GENERAL NOTES

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4. ALL EXISTING FIRE ALARM DEVICES OUTSIDE THE SCOPE OF WORK AREA ARE EXISTING TO REMAIN FROM PREVIOUSLY APPROVED PERMIT DRAWINGS AND INSPECTOR SITE VISITS. THERE HAS BEEN NO CHANGE IN EXISTING EGRESS PATH.
5. ALL FIRE ALARM TIE-INS SHALL BE COMPLETED BY THE BASE BUILDING FIRE ALARM CONTRACTOR.
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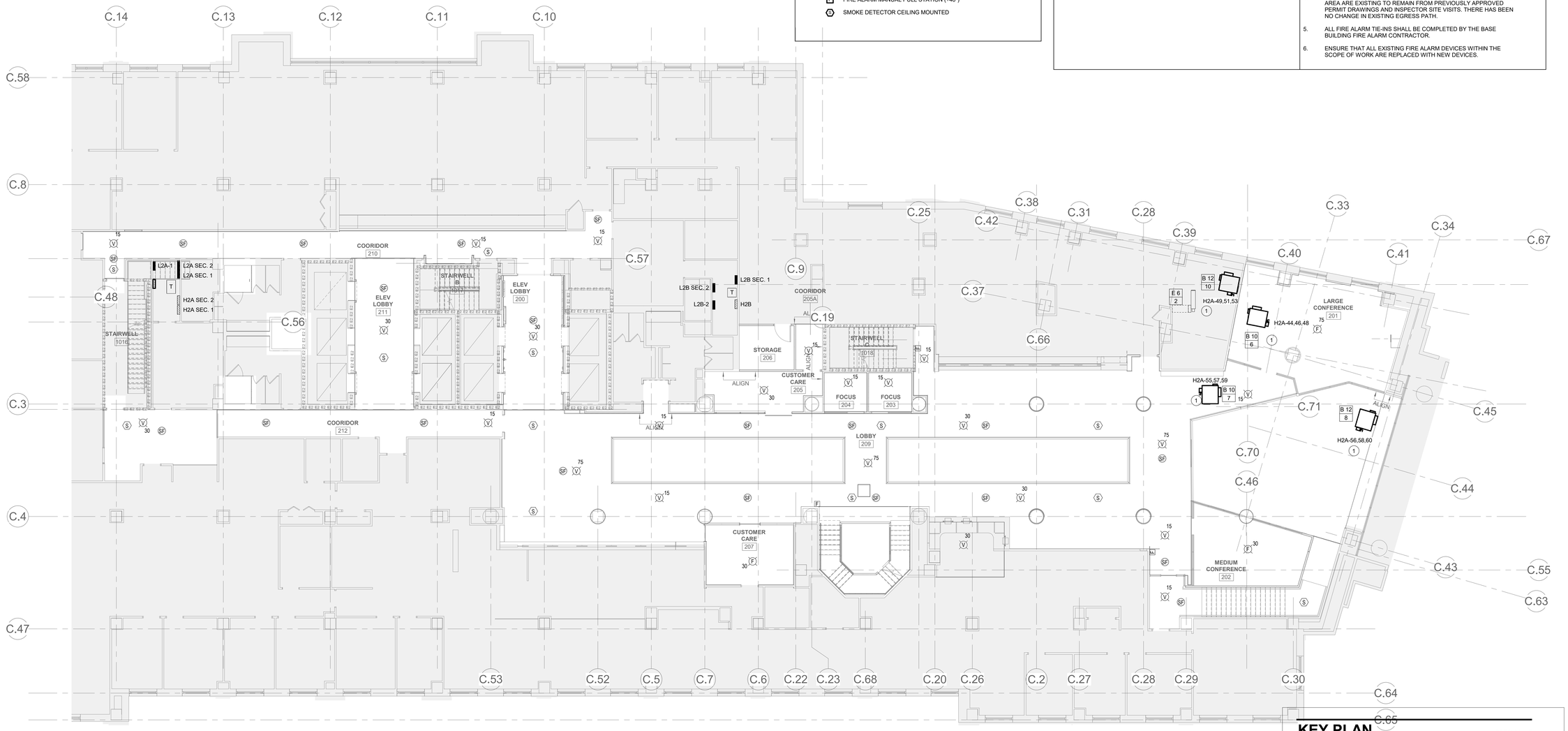
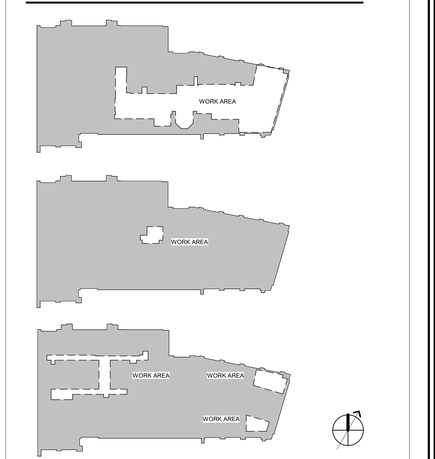


LEVEL 2 - HVAC POWER AND FIRE ALARM - ELECTRICAL

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

KEY PLAN

NOT TO SCALE



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LEVEL 2 - HVAC POWER AND FIRE ALARM - ELECTRICAL

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- FIRE ALARM AUDIBLE DEVICE (SPEAKER), CEILING MOUNTED.
- FIRE ALARM MANUAL PULL STATION (+48")
- SMOKE DETECTOR CEILING MOUNTED

KEY NOTES

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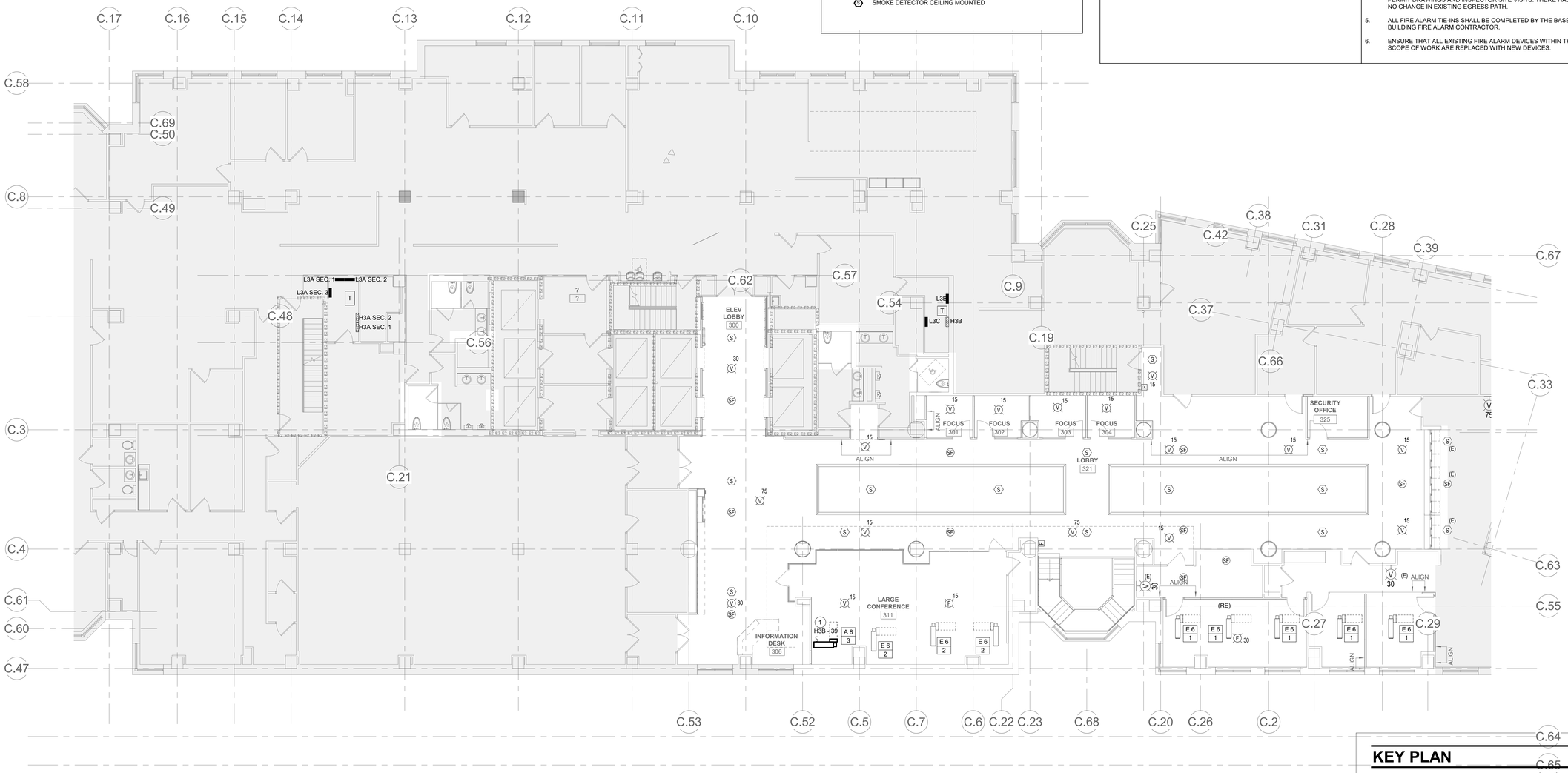
4. ALL EXISTING FIRE ALARM DEVICES OUTSIDE THE SCOPE OF WORK AREA ARE EXISTING TO REMAIN FROM PREVIOUSLY APPROVED PERMIT DRAWINGS AND INSPECTOR SITE VISITS. THERE HAS BEEN NO CHANGE IN EXISTING EGRESS PATH.
5. ALL FIRE ALARM TIE-INS SHALL BE COMPLETED BY THE BASE BUILDING FIRE ALARM CONTRACTOR.
6. ENSURE THAT ALL EXISTING FIRE ALARM DEVICES WITHIN THE SCOPE OF WORK ARE REPLACED WITH NEW DEVICES.



LEVEL 3 - HVAC POWER AND FIRE ALARM - ELECTRICAL

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

KEY PLAN

NOT TO SCALE

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

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Construction Documents for:

ARLINGTON COUNTY OFFICES RENOVATION

2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
PERMIT

Revisions

1 PERMIT CHANGES 4/16/20

LEVEL 3 - HVAC POWER AND FIRE ALARM - ELECTRICAL

Scale As indicated
Drawn SIS
Checked AIE

E-403

PERMIT

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FIRE ALARM SYMBOLS LEGEND

- FIRE ALARM VISUAL DEVICE ONLY MINIMUM 15 CANDELA STROBE (UON ON FLOOR PLAN) (+80" TO BOTTOM OF DEVICE OR 6" BELOW CEILING, WHICHEVER IS LOWEST) ADA APPROVED UON. (DEVICE WITHOUT STEM IS CEILING MOUNTED)
- FIRE ALARM AUDIO/VISUAL DEVICE MINIMUM 15 CANDELA STROBE (UON ON FLOOR PLAN) (+80" TO BOTTOM OF DEVICE OR 6" BELOW CEILING, WHICHEVER IS LOWEST) ADA APPROVED UON (DEVICE WITHOUT STEM IS CEILING MOUNTED)
- FIRE ALARM AUDIBLE DEVICE (SPEAKER), CEILING MOUNTED.
- FIRE ALARM MANUAL PULL STATION (+48")
- SMOKE DETECTOR CEILING MOUNTED

KEY NOTES

1. VAV: HEAT AS INDICATED + FAN, 480V, 3PH. PROVIDE 30A, 3P+S.N., 600V, N.F.S.S. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS.
2. EWH-1: 3.0KW, 277V, 1PH. PROVIDE 20A, 1P, 277V TOGGLE DISCONNECT. COORDINATE EXACT LOCATION WITH PLUMBING DRAWINGS.

GENERAL NOTES

1. NO WORK IN SHADED AREAS UNLESS OTHERWISE NOTED.
2. ALL ELECTRIC DOOR DEVICES MUST COMPLY WITH N.F.P.A. 72 AND RELEASE UPON FIRE ALARM ACTIVATION AND/OR POWER FAILURE (FAILSAFE).
3. CONNECT DEVICES TO EXISTING BASE BUILDING FIRE ALARM SYSTEM WITH WIRE AND CONDUIT AS REQUIRED BY EQUIPMENT MANUFACTURER. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ANY COMPONENTS AND/OR MAKE ANY MODIFICATIONS NECESSARY TO THE FIRE ALARM CONTROL PANEL AND POWER SUPPLY TO ALLOW FOR INSTALLATION OF NEW ADA APPROVED FIRE ALARM DEVICES.
4. ALL EXISTING FIRE ALARM DEVICES OUTSIDE THE SCOPE OF WORK AREA ARE EXISTING TO REMAIN FROM PREVIOUSLY APPROVED PERMIT DRAWINGS AND INSPECTOR SITE VISITS. THERE HAS BEEN NO CHANGE IN EXISTING EGRESS PATH.
5. ALL FIRE ALARM TIE-INS SHALL BE COMPLETED BY THE BASE BUILDING FIRE ALARM CONTRACTOR.
6. ENSURE THAT ALL EXISTING FIRE ALARM DEVICES WITHIN THE SCOPE OF WORK ARE REPLACED WITH NEW DEVICES.

LEVEL 9 - HVAC POWER AND FIRE ALARM - ELECTRICAL

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

KEY PLAN

NOT TO SCALE

8' 4' 0' 8' 16'
GRAPHIC SCALE: 1/8" = 1'-0"

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2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

Issued	05/26/21
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Revisions	

LEVEL 9 - HVAC POWER AND FIRE ALARM - ELECTRICAL

Scale: As indicated
Drawn: SIS
Checked: AIE

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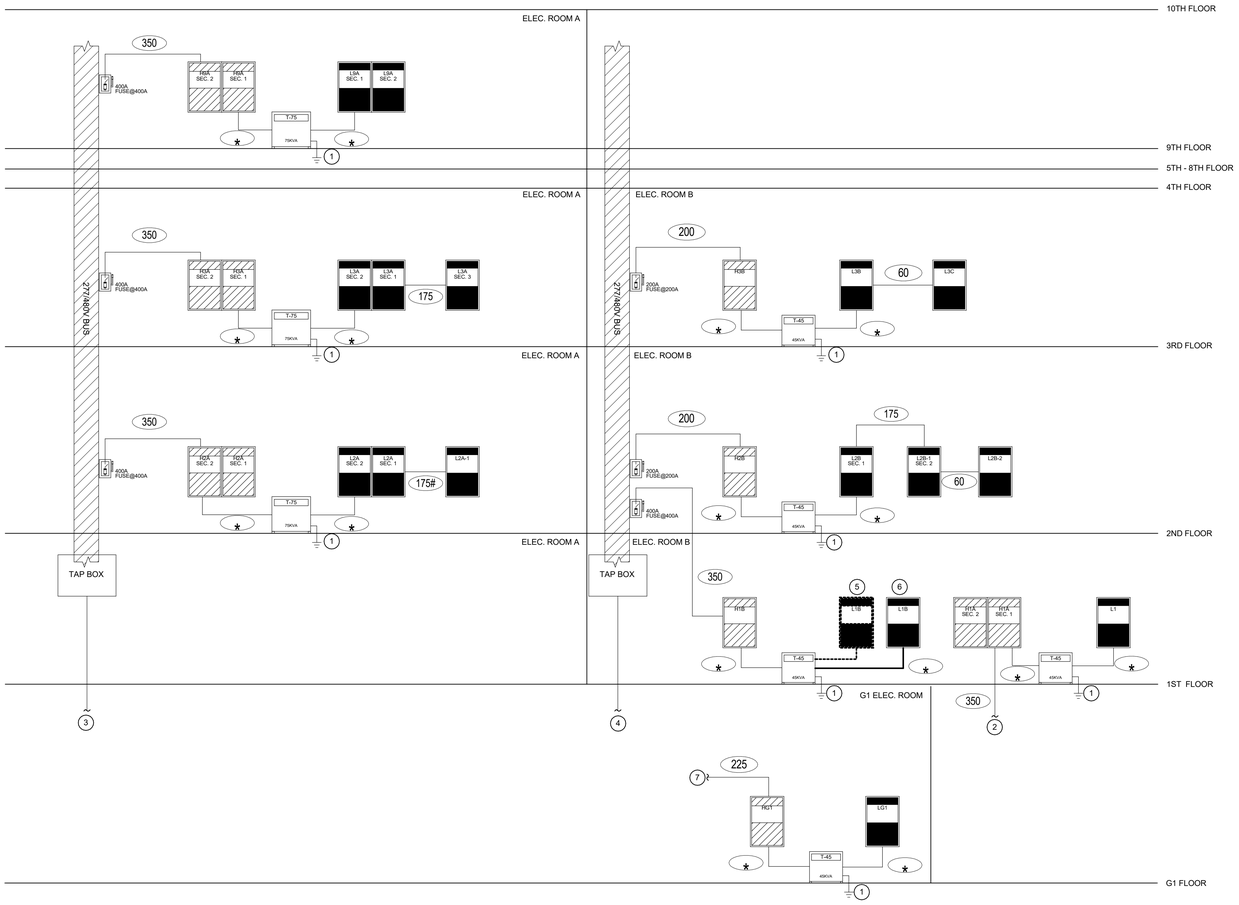

POWER RISER DIAGRAM

SCALE: NO SCALE

NOTES

1. EXISTING GROUND TO REMAIN.
2. FED FROM 400A/3P CIRCUIT BREAKER WITHIN 1200A, 480/277V, 3PH, 4W DISTRIBUTION BOARD "MDP" LOCATED IN THE MAIN ELECTRICAL ROOM ON LEVEL G1.
3. FED FROM 3000A/3P BOLTED SWITCH WITHIN 4000A, 480/277V, 3PH, 4W MAIN SWITCHBOARD "A" LOCATED IN THE MAIN ELECTRICAL ROOM ON LEVEL G1.
4. FED FROM 3000A/3P BOLTED SWITCH WITHIN 4000A, 480/277V, 3PH, 4W MAIN SWITCHBOARD "B" LOCATED IN THE MAIN ELECTRICAL ROOM ON LEVEL G1.
5. EXISTING PANELBOARD TO BE DISCONNECTED AND REPLACED "IN-KIND" WITH 72 POLE PANELBOARD. REFER TO PANELBOARD SCHEDULE FOR FURTHER INFORMATION.
6. NEW PANELBOARD L1B. CONNECT ALL CIRCUITS PREVIOUSLY SERVED BY THE DEMOLISHED PANELBOARD TO THIS PANEL. SPLICE AND EXTEND AS NECESSARY.
7. FED FROM 225A CIRCUIT BREAKER WITHIN 1200A, MAIN DISTRIBUTION PANEL WITHIN THE MAIN ELECTRICAL ROOM ON LEVEL G1.

FEEDER SIZING SCHEDULE

SYMBOL	# OF SETS	CONDUCTORS (COPPER)	GND.	CONDUIT	CONDUIT (W/O NEUTRAL)	AMPS
60#	1	2 #6	#10	1"	3/4"	65A
60	1	4 #6	#10	1"	3/4"	65A
80	1	4 #4	#8	1-1/4"	1"	85A
100#	1	4 #2	#6	1-1/4"	1-1/4"	115A
100G	1	4 #2	#8	1-1/4"	1-1/4"	115A
125	1	4 #1	#6	1-1/2"	1-1/4"	130A
175#	1	4 #2/0	#1	2"	2"	175A
175	1	4 #2/0	#6	2"	2"	175A
200	1	4 #3/0	#6	2"	2"	200A
225	1	4 #4/0	#4	2-1/2"	2"	230A
350	1	4 500KCMIL	#3	4"	4"	380A
★	REFER TO TRANSFORMER SCHEDULE FOR FEEDER SIZES					

TRANSFORMER SCHEDULE

TRANSFORMER LABEL / No.	STATUS (EX. OR NEW)	SIZE (KVA)	PH	PRIMARY	PRIMARY - WIRING				SECONDARY	SECONDARY - WIRING				MOUNTING
				VOLTS	OCPD	FEEDER	GND.	CONDUIT	VOLTS	OCPD	FEEDER	GND.	CONDUIT	
T-45	EXISTING	45	3	480	SP	3#4	#8	1"	120/208	SP	4#2/0	#6**	2"	FLOOR
T-45 - 8TH	EXISTING	45	3	480	SP	3#6	#10	1"	120/208	SP	4#2	#8**	1-1/2"	FLOOR
T-75	EXISTING	75	3	480	SP	3#1	#6	1-1/4"	120/208	SP	4#4/0	#2**	2-1/2"	FLOOR

SP= REFER TO PANEL SCHEDULE FOR INFORMATION IN THIS AREA. (THIS CAN BE USED FOR OCPD INFORMATION)

SR = REFER TO POWER RISER FOR INFORMATION IN THIS AREA. (THIS CAN BE USED OCPD INFORMATION)

PANELBOARD (TYP.)

CIR	LOAD DESCRIPTION	LOAD DESCRIPTION	CIR
1	RECEPTACLE - ROOMS 102,103	RECEPTACLE - ROOMS 104,105	2
3	LIGHTING - ROOMS 102,103,104	LIGHTING - ROOMS 105,106,107	4
5	LIGHTING - ROOMS 108,109		

NOTES:
1. UPDATE PANELBOARD IDENTIFICATION CARD AT COMPLETION OF WORK.
2. LOAD DESCRIPTION PER NEC 408.4 SHALL INCLUDE:
   2.1. ITEM SERVED (EX. RECEPTACLE)
   2.2. ITEM LOCATION (EX. ROOM 102).
3. ROOM NUMBERS SHALL BE VERIFIED WITH ARCHITECT.
4. PANEL IDENTIFICATION CARD SHALL BE TYPEWRITTEN.

PANELBOARD IDENTIFICATION CARD DETAIL

NO SCALE

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ARLINGTON, VIRGINIA

Project: 18029-01

Issued 05/26/21
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Revisions

POWER RISER DIAGRAM - ELECTRICAL

Scale **NONE**
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PANEL SCHEDULE

Panel ID:	H1A SEC.1	Condition:	EXISTING	Voltage:	277/480V, 3PH
Location:	1ST FLOOR ELEC. ROOM	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	400A MLO
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
EWH-2 MECH. ROOM ♦	6.0	EX.	EX.	20	3	1	*	-	-	2	3	20	EX.	EX.	7.9	(E) Existing Load
---	-	-	-	-	-	3	-	*	-	4	-	-	-	-	-	---
---	-	-	-	-	-	5	-	-	*	6	-	-	-	-	-	---
Existing Load (E)	7.9	EX.	EX.	20	3	7	*	-	-	8	3	20	EX.	EX.	7.9	(E) Existing Load
---	-	-	-	-	-	9	-	*	-	10	-	-	-	-	-	---
---	-	-	-	-	-	11	-	-	*	12	-	-	-	-	-	---
Existing Load (E)	7.9	EX.	EX.	20	3	13	*	-	-	14	3	20	EX.	EX.	7.9	(E) Existing Load
---	-	-	-	-	-	15	-	*	-	16	-	-	-	-	-	---
---	-	-	-	-	-	17	-	-	*	18	-	-	-	-	-	---
Existing Load (E)	7.9	EX.	EX.	20	3	19	*	-	-	20	3	20	EX.	EX.	7.9	(E) Existing Load
---	-	-	-	-	-	21	-	*	-	22	-	-	-	-	-	---
---	-	-	-	-	-	23	-	-	*	24	-	-	-	-	-	---
Existing Load (E)	7.9	EX.	EX.	20	3	25	*	-	-	26	3	20	EX.	EX.	7.9	(E) Existing Load
---	-	-	-	-	-	27	-	*	-	28	-	-	-	-	-	---
---	-	-	-	-	-	29	-	-	*	30	-	-	-	-	-	---
Existing Load (E)	7.9	EX.	EX.	20	3	31	*	-	-	32	3	60	EX.	EX.	23.9	(E) Existing Load
---	-	-	-	-	-	33	-	*	-	34	-	-	-	-	-	---
---	-	-	-	-	-	35	-	-	*	36	-	-	-	-	-	---
45KVA XFMR PNL L1 (E)	27.9	EX.	EX.	45	3	37	*	-	-	38	3	60	-	-	-	♦ SPARE
---	-	-	-	-	-	39	-	*	-	40	-	-	-	-	-	---
---	-	-	-	-	-	41	-	-	*	42	-	-	-	-	-	---

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
♦Circuit Breaker made available from Demolition.
SR = See Riser Diagram for sizes.

Load Summary (FOR PANELS H1A SEC.1 AND 2)

	Connected kVA	Demand Factor	Demand kVA
Lighting (L):	12.5	125%	15.6
Receptacles (R):	0.0	10 + 50%>10	0.0
Largest Motor Load (LM):	0.0	125%	0.0
Remaining HVAC Loads (M):	73.9	100%	73.9
Miscellaneous (MS):	39.6	100%	39.6
Kitchen Equipment (K):	0.0	100%	0.0
Resistance Heat (RH)	126.9	100%	126.9
TOTAL CONNECTED kVA =	252.9		256.0 =TOTAL DEMAND kVA
			307.9 =TOTAL DEMAND AMPS

* All VAV loads are calculated with heat at 125% demand.

Additional Options:	
X	FEED THRU LUGS
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	H1A SEC. 2	Condition:	EXISTING	Voltage:	277/480V, 3PH
Location:	1ST FLOOR ELEC. ROOM	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	400A MLO
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
LTS (E)	2.5	EX.	EX.	20	1	43	*	-	-	44	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
LTS (E)	2.5	EX.	EX.	20	1	45	-	*	-	46	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
LTS (E)	2.5	EX.	EX.	20	1	47	-	-	*	48	1	20	EX.	EX.	1.2	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	49	*	-	-	50	1	20	EX.	EX.	1.2	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	51	-	*	-	52	1	20	EX.	EX.	1.2	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	53	-	-	*	54	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	55	*	-	-	56	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	57	-	*	-	58	1	20	EX.	EX.	0.2	(E) EXISTING LOAD
LTS (E)	2.5	EX.	EX.	20	1	59	-	-	*	60	1	20	EX.	EX.	1.2	(E) EXISTING LOAD
LTS (E)	2.5	EX.	EX.	20	1	61	*	-	-	62	1	20	EX.	EX.	1.2	(E) EXISTING LOAD
EXISTING LOAD (E)	1.2	EX.	EX.	20	1	63	-	*	-	64	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.2	EX.	EX.	20	1	65	-	-	*	66	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
FAN (E)	1.5	EX.	EX.	40	1	67	*	-	-	68	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.2	EX.	EX.	30	1	69	-	*	-	70	3	40	3/4	8	33.2	* UH-1 VESTIBULE
EXISTING LOAD (E)	1.2	EX.	EX.	30	1	71	-	-	*	72	-	-	-	-	-	---
EXISTING LOAD (E)	1.2	EX.	EX.	30	1	73	*	-	-	74	-	-	-	-	-	---
VAV 104 *	6.0	12	1/2	15	3	75	-	*	-	76	3	40	3/4	8	33.2	* UH-1 101C
---	-	-	-	-	-	77	-	-	*	78	-	-	-	-	-	---
---	-	-	-	-	-	79	*	-	-	80	-	-	-	-	-	---
PFF	X	X	X	X	X	81	-	*	-	82	X	X	X	X	X	PFF
PFF	X	X	X	X	X	83	-	-	*	84	X	X	X	X	X	PFF

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
♦Circuit Breaker made available from Demolition.
SR = See Riser Diagram for sizes.

Load Summary (FOR THIS SECTION)

	Connected kVA	Demand Factor	Demand kVA
Lighting (L):	12.5	125%	15.6
Receptacles (R):	0.0	10 + 50%>10	0.0
Largest Motor Load (LM):	0.0	125%	0.0
Remaining HVAC Loads (M):	73.9	100%	73.9
Miscellaneous (MS):	11.7	100%	11.7
Kitchen Equipment (K):	0.0	100%	0.0
Resistance Heat (RH)	18.0	100%	18.0
TOTAL CONNECTED kVA =	116.1		119.2 =TOTAL DEMAND kVA
			143.4 =TOTAL DEMAND AMPS

* All VAV loads are calculated with heat at 125% demand.

Additional Options:	
	FEED THRU LUGS
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	H1B	Condition:	EXISTING	Voltage:	277/480V, 3PH
Location:	1ST FLOOR ELEC. CLOSET	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	400A MLO
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
VAV 113C ♦	9.8	12	1/2	20	3	1	*	-	-	2	3	20	1/2	12	9.8	♦ VAV 100B
---	-	-	-	-	-	3	-	*	-	4	-	-	-	-	-	---
---	-	-	-	-	-	5	-	-	*	6	-	-	-	-	-	---
VAV 114A ♦	8.5	12	1/2	20	3	7	*	-	-	8	3	20	1/2	12	6.0	♦ VAV 114A
---	-	-	-	-	-	9	-	*	-	10	-	-	-	-	-	---
---	-	-	-	-	-	11	-	-	*	12	-	-	-	-	-	---
VAV 113E ♦	7.3	12	1/2	20	3	13	*	-	-	14	3	20	1/2	12	6.0	♦ VAV 102
---	-	-	-	-	-	15	-	*	-	16	-	-	-	-	-	---
---	-	-	-	-	-	17	-	-	*	18	-	-	-	-	-	---
VAV 101A ♦	8.5	12	1/2	20	3	19	*	-	-	20	3	15	1/2	12	3.8	* ♦ VAV 106B
---	-	-	-	-	-	21	-	*	-	22	-	-	-	-	-	---
---	-	-	-	-	-	23	-	-	*	24	-	-	-	-	-	---
VAV 114C ♦	7.3	12	1/2	20	3	25	*	-	-	26	3	70	EX.	EX.	44.2	(E) 45KVA XFMR PNL L1B
---	-	-	-	-	-	27	-	*	-	28	-	-	-	-	-	---
---	-	-	-	-	-	29	-	-	*	30	-	-	-	-	-	---
VAV 114C ♦	4.4	12	1/2	20	1	31	*	-	-	32	1	20	1/2	12	0.6	♦ VAV 110
VAV 109 ♦	1.0	12	1/2	20	1	33	-	*	-	34	1	20	-	-	-	♦ SPARE
LTS ZONE 2 105,09,11 101A ♦	1.2	12	1/2	20	1	35	-	-	*	36	1	20	-	-	-	♦ SPARE
LTS ZONE 3 100B,113A,106 ♦	1.9	12	1/2	20	1	37	*	-	-	38	1	20	1/2	12	2.7	♦LTS ZONE 1 - 114A
EXHAUST FAN (E)	4.0	EX.	EX.	20	1	39	-	*	-	40	1	20	1/2	12	2.7	♦LTS ZONE 1 - 114A
EXISTING LOAD (E)	0.2	EX.	EX.	20	1	41	-	-	*	42	1	20	EX.	EX.	0.2	(E) EXISTING LOAD

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
♦Circuit Breaker made available from Demolition.
SR = See Riser Diagram for sizes.

Load Summary (FOR THIS PANEL)

	Connected kVA	Demand Factor	Demand kVA
Lighting (L):	8.5	125%	10.7
Receptacles (R):	0.0	10 + 50%>10	0.0
Largest Motor Load (LM):	0.0	125%	0.0
Remaining HVAC Loads (M):	77.0	100%	77.0
Miscellaneous (MS):	44.6	100%	44.6
Kitchen Equipment (K):	0.0	100%	0.0
Resistance Heat (RH)	0.0	0%	0.0
TOTAL CONNECTED kVA =	130.2		132.3 =TOTAL DEMAND kVA
			159.1 =TOTAL DEMAND AMPS

* All VAV loads are calculated with heat at 125% demand.

Additional Options:	
	Sub-Feed Lugs
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	L1	Condition:	EXISTING	Voltage:	120/208V, 3PH
Location:	1ST FLOOR ELEC. ROOM	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	100A BREAKER
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
RECEPT 108 ♦	1.1	12	1/2	20	1	1	*	-	-	2	1	20	1/2	12	0.7	♦ RECEPT 113A
RECEPT 113A ♦	0.7	12	1/2	20	1	3	-	*	-	4	1	20	1/2	12	1.1	♦ RECEPT 113A
RECEPT COPIER 113A ♦	1.2	12	1/2	20	1	5	-	-	*	6	1	20	1/2	12	1.1	♦ RECEPT PRINTER 113A
RECEPT (E)	0.5	EX.	EX.	20	1	7	*	-	-	8	1	20	1/2	12	1.3	* RECEPT 113D
RECEPT 113A *	0.7	12	1/2	20	1	9	-	*	-	10	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT (E)	0.9	EX.	EX.	20	1	11	-	-	*	12	1	20	EX.	EX.	0.4	(E) RECEPT
RECEPT (E)	0.4	EX.	EX.	20	1	13	*	-	-	14	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	15	-	*	-	16	1	20	EX.	EX.	1.1	(E) EXISTING LOAD
RECEPT (E)	0.2	EX.	EX.	20	1	17	-	-	*	18	1	20	EX.	EX.	0.9	(E) LTS
HANDICAP LIFT (E)	1.5	EX.	EX.	20	1	19	*	-	-	20	1	20	EX.	EX.	0.5	(E) LTS
RECEPT 100B ♦	1.3	12	1/2	20	1	21	-	*	-	22	1	20	EX.	EX.	0.7	(E) LTS
RECEPT 100A ♦	1.5	12	1/2	20	1	23	-	-	*	24	1	20	EX.	EX.	0.8	(E) LTS
LTS (E)	1.2	EX.	EX.	20	1	25	*	-	-	26	1	20	EX.	EX.	1.1	(E) LTS
LTS (E)	1.4	EX.	EX.	20	1	27	-	*	-	28	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	1.1	EX.	EX.	20	1	29	-	-	*	30	1	20	EX.	EX.	0.7	(E) RECEPT
MAIN CIRCUIT BREAKER	-	-	-	100	3	31	*	-	-	32	1	20	EX.	EX.	1.1	(E) EXISTING LOAD
---	-	-	-	-	-	33	-	*	-	34	1	20	EX.	EX.	1.1	(E) EXISTING LOAD
---	-	-	-	-	-	35	-	-	*	36	1	20	EX.	EX.	1.1	(E) EXISTING LOAD

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
♦Circuit Breaker made available from Demolition.
SR = See Riser Diagram for sizes.

Load Summary (FOR THIS PANEL)

	Connected kVA	Demand Factor	Demand kVA
Lighting (L):	6.6	125%	8.3
Receptacles (R):	17.3	10 + 50%>10	13.7
Largest Motor Load (LM):	0.0	125%	0.0
Remaining HVAC Loads (M):	0.0	100%	0.0
Miscellaneous (MS):	6.0	100%	6.0
Kitchen Equipment (K):	0.0	100%	0.0
Resistance Heat (RH)	0.0	0%	0.0
TOTAL CONNECTED kVA =	29.9		27.9 =TOTAL DEMAND kVA
			77.4 =TOTAL DEMAND AMPS

Additional Options:	
	Sub-Feed Lugs
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	L1B	Condition:	NEW	Voltage:	120/208V, 3PH
Location:	1ST FLOOR ELEC. ROOM	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	150A BREAKER
Neutral:	SOLID			AIC:	MATCH EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
RECEPT 101A ♦	1.0	12	1/2	20	1	1	*	-	-	2	1	20	1/2	12	1.1	♦ RECEPT COPIER 104
RECEPT 102 ♦	1.1	12	1/2	20	1	3	-	*	-	4	1	20	1/2	12	1.1	♦RECEPT 102
RECEPT PRINTER 102 ♦	1.0	12	1/2	20	1	5	-	-	*	6	1	20	1/2	12	1.3	♦ RECEPT 103
RECEPT 114B ♦	0.5	12	1/2	20	1	7	*	-	-	8	1	20	EX.	EX.	0.2	(E) EXISTING LOAD
HAND DRYER 111 ▲ ♦	1.6	12	1/2	20	1	9	-	*	-	10	2	20	EX.	EX.	2.0	(E) EXISTING LOAD
SPARE ♦	-	-	-	20	1	11	-	-	*	12	-	-	-	-	-	---
SPARE ♦	-	-	-	20	1	13	*	-	-	14	1	20	1/2	12	0.7	♦RECEPT 115
RECEPT 111 ♦	0.4	12	1/2	20	1	15	-	*	-	16	1	20	1/2	12	0.9	♦RECEPT 115
URINAL AND SINK 111 ♦	0.2	12	1/2	20	1	17	-	-	*	18	1	20	EX.	EX.	0.4	(E) RECEPT
RECEPT EWC-1 114A ♦ ○	0.8	12	1/2	20	1	19	*	-	-	20	2	20	EX.	EX.	2.0	(E) EXISTING LOAD
RECEPT 115 *	1.4	12	1/2	20	1	21	-	*	-	22	-	-	-	-	-	TG
RECEPT 110 ♦	1.0	12	1/2	20	1	23	-	-	*	24	1	20	1/2	12	0.9	* RECEPT 106
RECEPT 106 ♦	0.5	12	1/2	20	1	25	*	-	-	26	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT 114A ♦	0.8	12	1/2	20	1	27	-	*	-	28	1	20	EX.	EX.	0.9	(E) RECEPT
BBH-1 102 *	2.3	12	1/2	20	2	29	-	-	*	30	1	20	EX.	EX.	0.5	(E) RECEPT
---	-	-	-	-	-	31	*	-	-	32	1	20	EX.	EX.	0.4	(E) RECEPT
BBH-2, BBH-3 113D *	2.5	12	1/2	20	2	33	-	*	-	34	1	20	EX.	EX.	0.4	(E) RECEPT
---	-	-	-	-	-	35	-	-	*	36	1	20	EX.	EX.	0.9	(E) RECEPT
BBH-2 113C *	1.8	12	1/2	20	2	37	*	-	-	38	1	20	EX.	EX.	0.4	(E) RECEPT
---	-	-	-	-	-	39	-	*	-	40	1	20	EX.	EX.	0.5	(E) RECEPT
HAND DRYER 111 ▲ ♦	1.2	12	1/2	20	1	41	-	-	*	42	1	20	EX.	EX.	0.9	(E) RECEPT
DISPLAY RECEPT. 114C	0.8	12	1/2	20	1	43	*	-	-	44	1	20	1/2	12	1.2	DISPLAY RECEPT. 114A
RECEPT COPIER 113A *	1.1	12	1/2	20	1	45	-	*	-	46	1	20	1/2	12	1.4	* RECEPT 113A
LTG ZONE 1 ATRIUM LTS *	0.2	12	1/2	20	1	47	-	-	*	48	1	20	1/2	12	1.1	* COPIER RECEPT 115
RECEPT 106A *	1.1	12	1/2	20	1	49	*	-	-	50	1	20	1/2	12	0.7	* RECEPT 117
RECEPT 106 *	0.7	12	1/2	20	1	51	-	*	-	52	1	20	1/2	12	0.4	* CP-1 ELEC. ROOM
RECEPT COPIER 106*	1.1	12	1/2	20	1	53	-	-	*	54	1	20	1/2	12	1.0	* RECEPT 115,117
RECEPT 105 *	0.4	12	1/2	20	1	55	*	-	-	56	X	X	X	X	X	PFF
PFF	X	X	X	X	X	57	-	*	-	58	X	X	X	X	X	PFF
PFF	X	X	X	X	X	59	-	-	*	60	X	X	X	X	X	PFF
PFF	X	X	X	X	X	61	*	-	-	62	X	X	X	X	X	PFF
PFF	X	X	X	X	X	63	-	*	-	64	X	X	X	X	X	PFF
PFF	X	X	X	X	X	65	-	-	*	66	X	X	X	X	X	PFF
PFF	X	X	X	X	X	67	*	-	-	68	X	X	X	X	X	PFF
PFF	X	X	X	X	X	69	-	*	-	70	X	X	X	X	X	PFF
PFF	X	X	X	X	X	71	-	-	*	72	X	X	X	X	X	PFF

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
♦Circuit Breaker made available from Demolition.
▲ Provide circuit breaker with lock.
○ Provide 5mA GFCI Circuit Breaker
SR = See Riser Diagram for sizes.

Load Summary (FOR THIS PANEL)

	Connected kVA	Demand Factor	Demand kVA
Lighting (L):	0.2	125%	0.2
Receptacles (R):	31.1	10 + 50%>10	20.6
Largest Motor Load (LM):	0.0	125%	0.0
Remaining HVAC Loads (M):	0.4	100%	0.4
Miscellaneous (MS):	13.5	100%	13.5
Kitchen Equipment (K):	0.0	100%	0.0
Resistance Heat (RH)	0.0	100%	0.0
TOTAL CONNECTED kVA =	45.2		34.6 =TOTAL DEMAND kVA
			96.2 =TOTAL DEMAND AMPS

Additional Options:	
	Sub-Feed Lugs
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	H2A SEC. 2	Condition:	EXISTING	Voltage:	277/480V, 3PH
Location:	2ND FLOOR ELEC. CLOSET "A"	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	400A MLO
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
EXISTING LOAD (E)	10.0	EX.	EX.	30	3	43	*	-	-	44	3	15	1/2	12	8.5	VAV 201
---	-	-	-	-	-	45	-	*	-	46	-	-	-	-	-	---
---	-	-	-	-	-	47	-	-	*	48	-	-	-	-	-	---
VAV 201 *	13.5	12	1/2	20	3	49	*	-	-	50	3	20	EX.	EX.	7.8	(E) EXISTING LOAD
---	-	-	-	-	-	51	-	*	-	52	-	-	-	-	-	---
---	-	-	-	-	-	53	-	-	*	54	-	-	-	-	-	---
VAV 209 *	9.8	12	1/2	15	3	55	*	-	-	56	3	20	1/2	12	11.0	* VAV 209
---	-	-	-	-	-	57	-	*	-	58	-	-	-	-	-	---
---	-	-	-	-	-	59	-	-	*	60	-	-	-	-	-	---
LIGHTS ZONE 1 AND 4	3.0	12	1/2	20	1	61	*	-	-	62	1	20	-	-	-	SPARE
LIGHTS ZONE 3	0.5	12	1/2	20	1	63	-	*	-	64	1	20	-	-	-	SPARE
SPARE	-	-	-	20	1	65	-	-	*	66	1	20	-	-	-	SPARE
SPARE	-	-	-	20	1	67	*	-	-	68	X	X	X	X	X	PFF
SPARE	-	-	-	20	1	69	-	*	-	70	X	X	X	X	X	PFF
SPARE	-	-	-	20	1	71	-	-	*	72	X	X	X	X	X	PFF
SPARE	-	-	-	20	1	73	*	-	-	74	X	X	X	X	X	PFF
SPARE	-	-	-	20	1	75	-	*	-	76	X	X	X	X	X	PFF
SPARE	-	-	-	20	1	77	-	-	*	78	X	X	X	X	X	PFF
SPARE	-	-	-	20	1	79	*	-	-	80	X	X	X	X	X	PFF
SPARE	-	-	-	20	1	81	-	*	-	82	X	X	X	X	X	PFF
SPARE	-	-	-	20	1	83	-	-	*	84	X	X	X	X	X	PFF
75KVA XFMR PNL L2A (E)	70.5	EX.	EX.	125	3	S	*	-	-	S	X	X	X	X	X	PFF
---	-	-	-	-	-	U	-	*	-	U	X	X	X	X	X	PFF
---	-	-	-	-	-	B	-	-	*	B	X	X	X	X	X	PFF

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
♦Circuit Breaker made available from Demolition.
SR = See Riser Diagram for sizes.

Load Summary (FOR PANELS H2A SEC. 1 AND 2)

	Connected kVA	Demand Factor	Demand kVA
Lighting (L):	38.5	125%	48.2
Receptacles (R):	0.0	10 + 50%>10	0.0
Largest Motor Load (LM):	0.0	125%	0.0
Remaining HVAC Loads (M):	78.8	100%	78.8
Miscellaneous (MS):	83.7	100%	83.7
Kitchen Equipment (K):	0.0	100%	0.0
Resistance Heat (RH)	7.8	0%	0.0
TOTAL CONNECTED kVA =	208.8		210.7 =TOTAL DEMAND kVA
			253.4 =TOTAL DEMAND AMPS

* All VAV loads are calculated with heat at 125% demand.

Additional Options:	
X	THRU FEED LUGS
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	H2A SEC. 1	Condition:	EXISTING	Voltage:	277/480V, 3PH
Location:	2ND FLOOR ELEC. CLOSET "A"	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	400A MLO
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
VAV (E)	3.6	EX.	EX.	20	1	1	*	-	-	2	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	3.6	EX.	EX.	20	1	3	-	*	-	4	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	3.6	EX.	EX.	20	1	5	-	-	*	6	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	3.6	EX.	EX.	20	1	7	*	-	-	8	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	3.6	EX.	EX.	20	1	9	-	*	-	10	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	3.6	EX.	EX.	20	1	11	-	-	*	12	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	3.6	EX.	EX.	20	1	13	*	-	-	14	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	3.6	EX.	EX.	20	1	15	-	*	-	16	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	3.6	EX.	EX.	20	1	17	-	-	*	18	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	3.6	EX.	EX.	20	1	19	*	-	-	20	1	20	EX.	EX.	2.5	(E) LTS
Existing Load (E)	0.2	EX.	EX.	20	1	21	-	*	-	22	1	20	EX.	EX.	2.5	(E) LTS
Existing Load (E)	1.5	EX.	EX.	20	1	23	-	-	*	24	1	20	EX.	EX.	2.5	(E) LTS
Existing Load (E)	1.5	EX.	EX.	20	1	25	*	-	-	26	1	20	EX.	EX.	2.5	(E) LTS
PFF	X	X	X	X	X	27	-	*	-	28	1	20	EX.	EX.	2.5	(E) LTS
PFF	X	X	X	X	X	29	-	-	*	30	1	20	-	-	-	SPARE
PFF	X	X	X	X	X	31	*	-	-	32	1	20	-	-	-	SPARE
PFF	X	X	X	X	X	33	-	*	-	34	1	20	-	-	-	SPARE
PFF	X	X	X	X	X	35	-	-	*	36	1	20	-	-	-	SPARE
PFF	X	X	X	X	X	37	*	-	-	38	X	X	X	X	X	PFF
PFF	X	X	X	X	X	39	-	*	-	40	X	X	X	X	X	PFF
PFF	X	X	X	X	X	41	-	-	*	42	X	X	X	X	X	PFF

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
**Circuit Breaker made available from Demolition.
SR = See Riser Diagram for sizes.

Load Summary (FOR THIS SECTION)

	Connected kVA	Demand Factor	Demand kVA
Lighting (L):	35.0	125%	43.8
Receptacles (R):	0.0	10 + 50%>10	0.0
Largest Motor Load (LM):	0.0	125%	0.0
Remaining HVAC Loads (M):	36.0	100%	36.0
Miscellaneous (MS):	3.2	100%	3.2
Kitchen Equipment (K):	0.0	100%	0.0
Resistance Heat (RH)	0.0	0%	0.0
TOTAL CONNECTED kVA =	74.2		83.0 =TOTAL DEMAND kVA
			99.8 =TOTAL DEMAND AMPS

* All VAV loads are calculated with heat at 125% demand.

Additional Options:	
X	THRU FEED LUGS
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	L2A SEC. 1	Condition:	EXISTING	Voltage:	120/208V, 3PH
Location:	2ND FLOOR ELEC. CLOSET "A"	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	225A BREAKER
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
SUB PANEL (E)	10.0	EX.	EX.	100	3	1	*	-	-	2	1	20	EX.	EX.	0.2	(E) RECEPT
---	-	-	-	-	-	3	-	*	-	4	1	20	EX.	EX.	0.2	(E) EXISTING LOAD
---	-	-	-	-	-	5	-	-	*	6	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.2	EX.	EX.	20	1	7	*	-	-	8	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT EWC-1 * ♦ ○	0.8	12	1/2	20	1	9	-	*	-	10	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT EWC-2 * ♦ ○	0.8	12	1/2	20	1	11	-	-	*	12	1	20	EX.	EX.	0.7	(E) RECEPT
SPARE ♦	-	-	-	20	1	13	*	-	-	14	1	20	EX.	EX.	0.4	(E) RECEPT
RECEPT (E)	0.2	EX.	EX.	20	1	15	-	*	-	16	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	17	-	-	*	18	1	20	EX.	EX.	0.2	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	19	*	-	-	20	1	20	EX.	EX.	0.2	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	21	-	*	-	22	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT (E)	0.4	EX.	EX.	20	1	23	-	-	*	24	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	25	*	-	-	26	1	20	EX.	EX.	0.4	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	27	-	*	-	28	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	29	-	-	*	30	1	20	EX.	EX.	0.2	(E) RECEPT
RECEPT (E)	0.4	EX.	EX.	20	1	31	*	-	-	32	1	20	EX.	EX.	0.4	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	33	-	*	-	34	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	35	-	-	*	36	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	37	*	-	-	38	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	39	-	*	-	40	1	20	EX.	EX.	0.2	(E) RECEPT
RECEPT (E)	0.4	EX.	EX.	20	1	41	-	-	*	42	1	20	EX.	EX.	0.7	(E) RECEPT

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
♦Circuit Breaker made available from Demolition.
○ Provide 5mA GFCI Circuit Breaker
SR = See Riser Diagram for sizes.

Load Summary (FOR PANEL L2A SEC. 1 AND 2)

	Connected kVA	Demand Factor	Demand kVA
Lighting (L):	21.0	125%	26.3
Receptacles (R):	51.8	10 + 50%>10	30.9
Largest Motor Load (LM):	0.0	125%	0.0
Remaining HVAC Loads (M):	0.0	100%	0.0
Miscellaneous (MS):	13.4	100%	13.4
Kitchen Equipment (K):	0.0	100%	0.0
Resistance Heat (RH)	0.0	0%	0.0
TOTAL CONNECTED kVA =	86.1		70.5 =TOTAL DEMAND kVA
			195.7 =TOTAL DEMAND AMPS

Additional Options:	
X	FEED THRU LUGS
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	L2A SEC. 2	Condition:	EXISTING	Voltage:	120/208V, 3PH
Location:	2ND FLOOR ELEC. CLOSET "A"	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	225A BREAKER
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
RECEPT (E)	0.4	EX.	EX.	20	1	43	*	-	-	44	1	20	EX.	EX.	0.2	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	45	-	*	-	46	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	47	-	-	*	48	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	49	*	-	-	50	1	20	EX.	EX.	0.2	(E) RECEPT
RECEPT (E)	0.4	EX.	EX.	20	1	51	-	*	-	52	1	20	EX.	EX.	0.4	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	53	-	-	*	54	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	55	*	-	-	56	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT (E)	0.4	EX.	EX.	20	1	57	-	*	-	58	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	59	-	-	*	60	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	61	*	-	-	62	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT (E)	0.4	EX.	EX.	20	1	63	-	*	-	64	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	65	-	-	*	66	1	20	EX.	EX.	0.4	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	67	*	-	-	68	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	69	-	*	-	70	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.2	EX.	EX.	20	1	71	-	-	*	72	1	20	EX.	EX.	0.4	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	73	*	-	-	74	1	20	EX.	EX.	0.2	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	75	-	*	-	76	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.2	EX.	EX.	20	1	77	-	-	*	78	1	20	EX.	EX.	0.2	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	79	*	-	-	80	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.4	EX.	EX.	20	1	81	-	*	-	82	1	20	EX.	EX.	0.4	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	83	-	-	*	84	1	20	EX.	EX.	0.7	(E) RECEPT

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
**Circuit Breaker made available from Demolition.
SR = See Riser Diagram for sizes.

Load Summary (FOR THIS SECTION)

	Connected kVA	Demand Factor	Demand kVA
Lighting (L):	0.0	125%	0.0
Receptacles (R):	22.3	10 + 50%>10	16.1
Largest Motor Load (LM):	0.0	125%	0.0
Remaining HVAC Loads (M):	0.0	100%	0.0
Miscellaneous (MS):	0.0	100%	0.0
Kitchen Equipment (K):	0.0	100%	0.0
Resistance Heat (RH)	0.0	0%	0.0
TOTAL CONNECTED kVA =	22.3		16.1 =TOTAL DEMAND kVA
			44.8 =TOTAL DEMAND AMPS

Additional Options:	
X	FEED THUR LUGS
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	L2A-1	Condition:	EXISTING	Voltage:	120/208V, 3PH
Location:	2ND FLOOR ELEC. CLOSET "A"	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	150A BREAKER
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
RECEPT (E)	0.5	EX.	EX.	20	1	1	*	-	-	2	1	20	-	-	-	♦ SPARE
RECEPT (E)	0.7	EX.	EX.	20	1	3	-	*	-	4	1	20	-	-	-	♦ SPARE
RECEPT (E)	0.7	EX.	EX.	20	1	5	-	-	*	6	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT (E)	0.4	EX.	EX.	20	1	7	*	-	-	8	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	9	-	*	-	10	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.4	EX.	EX.	20	1	11	-	-	*	12	1	20	EX.	EX.	0.4	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	13	*	-	-	14	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	15	-	*	-	16	1	20	EX.	EX.	0.2	(E) EXISTING LOAD
RECEPT (E)	0.2	EX.	EX.	20	1	17	-	-	*	18	1	20	EX.	EX.	1.5	(E) LTS
RECEPT (E)	0.7	EX.	EX.	20	1	19	*	-	-	20	1	20	EX.	EX.	0.7	(E) RECEPT
EXISTING LOAD (E)	0.2	EX.	EX.	20	1	21	-	*	-	22	1	20	EX.	EX.	1.5	(E) LTS
EXISTING LOAD (E)	0.2	EX.	EX.	20	1	23	-	-	*	24	1	20	EX.	EX.	1.5	(E) LTS
LTS (E)	1.5	EX.	EX.	20	1	25	*	-	-	26	1	20	EX.	EX.	1.5	(E) LTS
LTS (E)	1.5	EX.	EX.	20	1	27	-	*	-	28	1	20	EX.	EX.	1.5	(E) LTS
RECEPT (E)	0.7	EX.	EX.	20	1	29	-	-	*	30	1	20	EX.	EX.	1.5	(E) LTS
EXISTING LOAD (E)	0.5	EX.	EX.	20	1	31	*	-	-	32	1	20	EX.	EX.	1.5	(E) LTS
EXISTING LOAD (E)	0.4	EX.	EX.	20	1	33	-	*	-	34	1	20	EX.	EX.	1.5	(E) LTS
EXISTING LOAD (E)	0.4	EX.	EX.	20	1	35	-	-	*	36	1	20	EX.	EX.	1.5	(E) LTS
EXISTING LOAD (E)	0.2	EX.	EX.	20	1	37	*	-	-	38	1	20	EX.	EX.	1.5	(E) LTS
EXISTING LOAD (E)	1.2	EX.	EX.	30	2	39	-	*	-	40	1	20	EX.	EX.	1.5	(E) LTS
---	-	-	-	-	-	41	-	-	*	42	1	20	EX.	EX.	1.5	(E) LTS

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
**Circuit Breaker made available from Demolition.
SR = See Riser Diagram for sizes.

Load Summary (FOR THIS PANEL)

	Connected kVA	Demand Factor	Demand kVA
Lighting (L):	21.0	125%	26.3
Receptacles (R):	10.0	10 + 50%>10	10.0
Largest Motor Load (LM):	0.0	125%	0.0
Remaining HVAC Loads (M):	0.0	100%	0.0
Miscellaneous (MS):	3.2	100%	3.2
Kitchen Equipment (K):	0.0	100%	0.0
Resistance Heat (RH)	0.0	0%	0.0
TOTAL CONNECTED kVA =	34.2		39.5 =TOTAL DEMAND kVA
			109.6 =TOTAL DEMAND AMPS

Additional Options:	
	Sub-Feed Lugs
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	H2B	Condition:	EXISTING	Voltage:	277/480V, 3PH
Location:	2ND FLOOR ELEC. CLOSET "B"	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	225A MLO
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
VAV (E)	2.5	EX.	EX.	20	1	1	*	-	-	2	3	20	EX.	EX.	7.9	(E) VAV
VAV (E)	2.0	EX.	EX.	20	1	3	-	*	-	4	-	-	-	-	-	---
VAV (E)	2.5	EX.	EX.	20	1	5	-	-	*	6	-	-	-	-	-	---
VAV (E)	3.0	EX.	EX.	20	1	7	*	-	-	8	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
VAV (E)	2.5	EX.	EX.	20	1	9	-	*	-	10	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	2.0	EX.	EX.	20	1	11	-	-	*	12	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
VAV (E)	1.5	EX.	EX.	20	1	13	*	-	-	14	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	2.0	EX.	EX.	20	1	15	-	*	-	16	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	2.5	EX.	EX.	20	1	17	-	-	*	18	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	3.0	EX.	EX.	20	1	19	*	-	-	20	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
VAV (E)	4.0	EX.	EX.	20	1	21	-	*	-	22	3	20	EX.	EX.	7.9	(E) VAV
VAV (E)	2.5	EX.	EX.	20	1	23	-	-	*	24	-	-	-	-	-	---
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	25	*	-	-	26	-	-	-	-	-	---
LTS (E)	2.5	EX.	EX.	20	1	27	-	*	-	28	3	20	EX.	EX.	7.9	(E) VAV
LTS (E)	2.5	EX.	EX.	20	1	29	-	-	*	30	-	-	-	-	-	---
LTS (E)	2.5	EX.	EX.	20	1	31	*	-	-	32	-	-	-	-	-	---
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	33	-	*	-	34	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
PFF	X	X	X	X	X	35	-	-	*	36	3	70	EX.	EX.	35.9	(E) 45KVA XFMR PNL L2B
PFF	X	X	X	X	X	37	*	-	-	38	-	-	-	-	-	---
PFF	X	X	X	X	X	39	-	*	-	40	-	-	-	-	-	---
PFF	X	X	X	X	X	41	-	-	*	42	X	X	X	X	X	PFF

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
SR = See Riser Diagram for sizes.

Load Summary (THIS PANEL)

	Connected kVA	Demand Factor	Demand kVA
Lighting (L):	17.5	125%	21.9
Receptacles (R):	0.0	10 + 50%>10	0.0
Largest Motor Load (LM):	0.0	125%	0.0
Remaining HVAC Loads (M):	53.7	100%	53.7
Miscellaneous (MS):	44.9	100%	44.9
Kitchen Equipment (K):	0.0	100%	0.0
Resistance Heat (RH)	0.0	0%	0.0
TOTAL CONNECTED kVA =	116.1		120.5 =TOTAL DEMAND kVA
			144.9 =TOTAL DEMAND AMPS

* All VAV loads are calculated with heat at 125% demand.

Additional Options:	
	Sub-Feed Lugs
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	L2B SEC. 1	Condition:	EXISTING	Voltage:	120/208V, 3PH
Location:	2ND FLOOR ELEC. CLOSET "B"	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	150A BREAKER
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
EXISTING LOAD (E)	1.0	EX.	EX.	20	1	1	*	-	-	2	1	20	EX.	EX.	0.5	(E) EXISTING LOAD
EXISTING LOAD (E)	0.8	EX.	EX.	20	1	3	-	*	-	4	1	20	EX.	EX.	0.8	(E) EXISTING LOAD
EXISTING LOAD (E)	0.8	EX.	EX.	20	1	5	-	-	*	6	1	20	EX.	EX.	0.5	(E) EXISTING LOAD
EXISTING LOAD (E)	0.5	EX.	EX.	20	1	7	*	-	-	8	1	20	EX.	EX.	0.2	(E) RECEPT
EXISTING LOAD (E)	0.4	EX.	EX.	20	1	9	-	*	-	10	1	20	EX.	EX.	0.8	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	11	-	-	*	12	1	20	EX.	EX.	0.8	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	13	*	-	-	14	1	20	EX.	EX.	1.0	(E) RECEPT
RECEPT (E)	0.8	EX.	EX.	20	1	15	-	*	-	16	1	20	EX.	EX.	0.2	(E) RECEPT
RECEPT (E)	0.8	EX.	EX.	20	1	17	-	-	*	18	1	20	EX.	EX.	0.2	(E) RECEPT
RECEPT (E)	0.2	EX.	EX.	20	1	19	*	-	-	20	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT (E)	0.2	EX.	EX.	20	1	21	-	*	-	22	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT (E)	1.0	EX.	EX.	20	1	23	-	-	*	24	1	20	EX.	EX.	0.8	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	25	*	-	-	26	1	20	EX.	EX.	0.8	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	27	-	*	-	28	1	20	EX.	EX.	1.1	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	29	-	-	*	30	1	20	EX.	EX.	1.1	(E) RECEPT
RECEPT (E)	0.4	EX.	EX.	20	1	31	*	-	-	32	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT (E)	0.2	EX.	EX.	20	1	33	-	*	-	34	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT (E)	0.2	EX.	EX.	20	1	35	-	-	*	36	1	20	EX.	EX.	0.4	(E) RECEPT
RECEPT (E)	1.1	EX.	EX.	20	1	37	*	-	-	38	1	20	EX.	EX.	1.0	(E) RECEPT
RECEPT (E)	0.2	EX.	EX.	20	1	39	-	*	-	40	1	20	EX.	EX.	0.2	(E) EXISTING LOAD
RECEPT (E)	0.2	EX.	EX.	20	1	41	-	-	*	42	1	20	EX.	EX.	0.4	(E) EXISTING LOAD

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
SR = See Riser Diagram for sizes.

Load Summary (FOR PANEL L2B AND L2B-1)

	Connected kVA	Demand Factor	Demand kVA
Lighting (L):	0.0	125%	0.0
Receptacles (R):	32.2	10 + 50%>10	21.1
Largest Motor Load (LM):	0.0	125%	0.0
Remaining HVAC Loads (M):	0.0	100%	0.0
Miscellaneous (MS):	14.8	100%	14.8
Kitchen Equipment (K):	0.0	100%	0.0
Resistance Heat (RH)	0.0	0%	0.0
TOTAL CONNECTED kVA =	47.0		35.9 =TOTAL DEMAND kVA
			99.7 =TOTAL DEMAND AMPS

Additional Options:	
X	Sub-Feed Lugs
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	L2B-1 SEC. 2	Condition:	EXISTING	Voltage:	120/208V, 3PH
Location:	2ND FLOOR ELEC. CLOSET "B"	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	150A BREAKER
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
(E) PANEL L2B-2	8.2	EX.	EX.	60	3	1	*	-	-	2	1	20	EX.	EX.	0.5	(E) RECEPT
---	-	-	-	-	-	3	-	*	-	4	1	20	EX.	EX.	0.8	(E) RECEPT
---	-	-	-	-	-	5	-	-	*	6	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	7	*	-	-	8	1	20	EX.	EX.	0.8	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	9	-	*	-	10	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	11	-	-	*	12	1	20	EX.	EX.	0.8	(E) RECEPT
RECEPT (E)	0.4	EX.	EX.	20	1	13	*	-	-	14	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	15	-	*	-	16	1	20	EX.	EX.	0.8	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	17	-	-	*	18	1	20	EX.	EX.	0.4	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	19	*	-	-	20	1	20	EX.	EX.	0.2	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	21	-	*	-	22	1	20	EX.	EX.	0.2	(E) RECEPT
RECEPT (E)	1.1	EX.	EX.	20	1	23	-	-	*	24	1	20	EX.	EX.	0.4	(E) RECEPT
RECEPT (E)	0.3	EX.	EX.	20	1	25	*	-	-	26	1	20	EX.	EX.	0.4	(E) RECEPT
RECEPT (E)	0.2	EX.	EX.	20	1	27	-	*	-	28	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT (E)	1.0	EX.	EX.	20	1	29	-	-	*	30	1	20	EX.	EX.	0.2	(E) RECEPT

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
**Circuit Breaker made available from Demolition.
SR = See Riser Diagram for sizes.

Load Summary (FOR PANEL L2B-1)

	Connected kVA	Demand Factor	Demand kVA
Lighting (L):	0.0	125%	0.0
Receptacles (R):	14.1	10 + 50%>10	12.0
Largest Motor Load (LM):	0.0	125%	0.0
Remaining HVAC Loads (M):	0.0	100%	0.0
Miscellaneous (MS):	8.2	100%	8.2
Kitchen Equipment (K):	0.0	100%	0.0
Resistance Heat (RH)	0.0	0%	0.0
TOTAL CONNECTED kVA =	22.3		20.2 =TOTAL DEMAND kVA
			56.1 =TOTAL DEMAND AMPS

Additional Options:	
	Sub-Feed Lugs
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	L2B-2	Condition:	EXISTING	Voltage:	120/208V, 3PH
Location:	2ND FLOOR ELEC. CLOSET "B"	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	---	Mains:	100A MLO
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
RECEPT (E)	0.7	EX.	EX.	20	1	1	*	-	-	2	1	20	EX.	EX.	0.5	(E) RECEPT RM. 207
RECEPT (E)	0.7	EX.	EX.	20	1	3	-	*	-	4	1	20	1/2	12	0.7	* RECEPT 206
RECEPT (E)	0.7	EX.	EX.	20	1	5	-	-	*	6	1	20	1/2	12	1.1	* RECEPT 205
RECEPT 201 *	0.7	12	1/2	20	1	7	*	-	-	8	1	20	1/2	12	0.7	* RECEPT 202
PROJECTOR & REC. 201	1.5	12	1/2	20	1	9	-	*	-	10	1	20	1/2	12	0.8	* RECEPT 202
HAND DRYER CORE BATH▲	0.8	12	1/2	20	1	11	-	-	*	12	X	X	X	X	X	PFF
PFF	X	X	X	X	X	13	*	-	-	14	X	X	X	X	X	PFF
PFF	X	X	X	X	X	15	-	*	-	16	X	X	X	X	X	PFF
PFF	X	X	X	X	X	17	-	-	*	18	X	X	X	X	X	PFF
PFF	X	X	X	X	X	19	*	-	-	20	X	X	X	X	X	PFF
PFF	X	X	X	X	X	21	-	*	-	22	X	X	X	X	X	PFF
PFF	X	X	X	X	X	23	-	-	*	24	X	X	X	X	X	PFF
PFF	X	X	X	X	X	25	*	-	-	26	X	X	X	X	X	PFF
PFF	X	X	X	X	X	27	-	*	-	28	X	X	X	X	X	PFF
PFF	X	X	X	X	X	29	-	-	*	30	X	X	X	X	X	PFF

Notes:
* Provide new circuit breaker with AIC rating to match existing.
▲ Provide circuit breaker with lock or lockable circuit breaker.
SR = See Riser Diagram for sizes.

Load Summary (FOR PANEL L2B-2)

	Connected kVA	Demand Factor	Demand kVA
Lighting (L):	0.0	125%	0.0
Receptacles (R):	8.2	10 + 50%>10	8.2
Largest Motor Load (LM):	0.0	125%	0.0
Remaining HVAC Loads (M):	0.0	100%	0.0
Miscellaneous (MS):	0.8	100%	0.8
Kitchen Equipment (K):	0.0	100%	0.0
Resistance Heat (RH)	0.0	0%	0.0
TOTAL CONNECTED kVA =	9.0		9.0 =TOTAL DEMAND kVA
			24.9 =TOTAL DEMAND AMPS

Additional Options:	
	Sub-Feed Lugs
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL LEGEND

H1A SEC.1	H1A SEC.2	H1B	L1	L1B
H2A SEC. 2	H2A SEC. 1	L2A SEC. 1	L2A SEC. 2	L2A-1
H2B	L2B SEC. 1	L2B-1 SEC. 2	L2B-2	--

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Construction Documents for:
ARLINGTON COUNTY OFFICES RENOVATION
2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

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PERMIT

Revisions

PANEL SCHEDULES - ELECTRICAL

Scale 1/8" = 1'-0"
Drawn SIS
Checked AIE

E-501

PERMIT

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PANEL SCHEDULE

Panel ID:	H3A SECTION 2	Condition:	EXISTING	Voltage:	277/480V, 3PH
Location:	3RD FLOOR ELEC. ROOM A	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	400A MLO
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
LIGHTS ZONE 1 (E)	2.5	EX.	EX.	20	1	43	*	-	-	44	1	20	-	-	-	SPARE
LIGHTING ZONE 1 AND 2	**2.6**	**12**	**1/2**	**20**	**1**	45	-	*	-	46	1	20	-	-	-	SPARE
LIGHTING ZONE 3	**3.3**	**12**	**1/2**	**20**	**1**	47	-	-	*	48	1	20	-	-	-	SPARE
SPARE	-	-	-	20	1	49	*	-	-	50	1	20	EX.	EX.	1.5	(E) Existing Load
SPARE	-	-	-	20	1	51	-	*	-	52	1	20	EX.	EX.	1.5	(E) Existing Load
SPARE	-	-	-	20	1	53	-	-	*	54	1	20	EX.	EX.	1.5	(E) Existing Load
SPARE	-	-	-	20	1	55	*	-	-	56	1	20	EX.	EX.	1.5	(E) Existing Load
SPARE	-	-	-	20	1	57	-	*	-	58	1	20	-	-	-	SPARE
LTS (E)	2.5	EX.	EX.	20	1	59	-	-	*	60	1	20	-	-	-	SPARE
LTS (E)	2.5	EX.	EX.	20	1	61	*	-	-	62	1	20	-	-	-	SPARE
LTS (E)	2.5	EX.	EX.	20	1	63	-	*	-	64	1	20	-	-	-	SPARE
LTS (E)	2.5	EX.	EX.	20	1	65	-	-	*	66	1	20	-	-	-	SPARE
VAV RM. 325 (E)	9.8	EX.	EX.	15	3	67	*	-	-	68	3	15	EX.	EX.	9.8	(E) VAV RM. 325
---	-	-	-	-	-	69	-	*	-	70	-	-	-	-	-	---
---	-	-	-	-	-	71	-	-	*	72	-	-	-	-	-	---
VAV RM. 323 (E)	3.1	EX.	EX.	15	1	73	*	-	-	74	1	15	EX.	EX.	1.3	(E) VAV RM. 325
PFF	X	X	X	X	X	75	-	*	-	76	X	X	X	X	X	PFF
PFF	X	X	X	X	X	77	-	-	*	78	X	X	X	X	X	PFF
PFF	X	X	X	X	X	79	*	-	-	80	X	X	X	X	X	PFF
PFF	X	X	X	X	X	81	-	*	-	82	X	X	X	X	X	PFF
PFF	X	X	X	X	X	83	-	-	*	84	X	X	X	X	X	PFF

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
**Circuit Breaker made available from Demolition.

SR = See Riser Diagram for sizes.

Load Summary (FOR SECTION H3A SEC.1 AND SEC.2)

	Connected kVA	Demand Factor	Demand kVA	
Lighting (L):	40.9	125%	51.1	
Receptacles (R):	0.0	10 + 50%>10	0.0	
Largest Motor Load (LM):	0.0	125%	0.0	
Remaining HVAC Loads (M):	55.8	100%	55.8	* All VAV loads are calculated with heat at 125% demand.
Miscellaneous (MS):	75.7	100%	75.7	
Kitchen Equipment (K):	0.0	100%	0.0	
Resistance Heat (RH)	3.0	100%	3.0	
TOTAL CONNECTED kVA =	175.3		185.5	=TOTAL DEMAND kVA -
			223.2	=TOTAL DEMAND AMPS

Additional Options:	
X	FEED THRU LUGS
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	H3A SECTION 1	Condition:	EXISTING	Voltage:	277/480V, 3PH
Location:	3RD FLOOR ELEC. ROOM A	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	400A MLO
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
AHU #4 (E)	5.2	EX.	EX.	30	3	1	*	-	-	2	1	20	EX.	EX.	1.5	(E) Existing Load
---	-	-	-	-	-	3	-	*	-	4	1	20	EX.	EX.	2.5	(E) LTS
---	-	-	-	-	-	5	-	-	*	6	1	20	-	-	-	SPARE
VAV (E)	1.5	EX.	EX.	20	1	7	*	-	-	8	1	20	-	-	-	SPARE
VAV (E)	2.0	EX.	EX.	20	1	9	-	*	-	10	1	20	-	-	-	SPARE
VAV (E)	2.5	EX.	EX.	20	1	11	-	-	*	12	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	4.0	EX.	EX.	20	1	13	*	-	-	14	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	2.0	EX.	EX.	20	1	15	-	*	-	16	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	1.5	EX.	EX.	20	1	17	-	-	*	18	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	1.3	EX.	EX.	20	1	19	*	-	-	20	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	1.3	EX.	EX.	20	1	21	-	*	-	22	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	4.0	EX.	EX.	20	1	23	-	-	*	24	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	2.5	EX.	EX.	20	1	25	*	-	-	26	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	4.0	EX.	EX.	20	1	27	-	*	-	28	X	X	X	X	X	PFF
PFF	X	X	X	X	X	29	-	-	*	30	X	X	X	X	X	PFF
PFF	X	X	X	X	X	31	*	-	-	32	X	X	X	X	X	PFF
PFF	X	X	X	X	X	33	-	*	-	34	X	X	X	X	X	PFF
PFF	X	X	X	X	X	35	-	-	*	36	X	X	X	X	X	PFF
PFF	X	X	X	X	X	37	*	-	-	38	X	X	X	X	X	PFF
PFF	X	X	X	X	X	39	-	*	-	40	X	X	X	X	X	PFF
PFF	X	X	X	X	X	41	-	-	*	42	X	X	X	X	X	PFF
EXIST 75KVA XFMR L3A (E)	71.2	EX.	EX.	125	3	S	*	-	-	S	X	X	X	X	X	PFF
---	-	-	-	-	-	U	-	*	-	U	X	X	X	X	X	PFF
---	-	-	-	-	-	B	-	-	*	B	X	X	X	X	X	PFF

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
**Circuit Breaker made available from Demolition.

SR = See Riser Diagram for sizes.

Load Summary (FOR THIS SECTION)

	Connected kVA	Demand Factor	Demand kVA	
Lighting (L):	22.5	125%	28.1	
Receptacles (R):	0.0	10 + 50%>10	0.0	
Largest Motor Load (LM):	0.0	125%	0.0	
Remaining HVAC Loads (M):	31.8	100%	31.8	* All VAV loads are calculated with heat at 125% demand.
Miscellaneous (MS):	72.7	100%	72.7	
Kitchen Equipment (K):	0.0	100%	0.0	
Resistance Heat (RH)	0.0	0%	0.0	
TOTAL CONNECTED kVA =	126.9		132.6	=TOTAL DEMAND kVA -
			159.5	=TOTAL DEMAND AMPS

Additional Options:	
X	FEED THRU LUGS
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated
X	SUB FEED LUGS

PANEL SCHEDULE

Panel ID:	L3A SECTION 2	Condition:	EXISTING	Voltage:	120/208V, 3PH
Location:	3RD FLOOR ELEC. ROOM A	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	225A BREAKER
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
RECEPT (E)	0.5	EX.	EX.	20	1	43	*	-	-	44	1	20	EX.	EX.	0.4	(E) RECEPT
RECEPT (E)	0.3	EX.	EX.	20	1	45	-	*	-	46	1	20	EX.	EX.	0.2	(E) RECEPT
RECEPT (E)	0.4	EX.	EX.	20	1	47	-	-	*	48	1	20	EX.	EX.	1.0	(E) RECEPT
RECEPT (E)	0.8	EX.	EX.	20	1	49	*	-	-	50	1	20	EX.	EX.	1.2	(E) RECEPT
RECEPT (E)	0.9	EX.	EX.	20	1	51	-	*	-	52	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.4	EX.	EX.	20	1	53	-	-	*	54	1	15	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	30	2	55	*	-	-	56	1	20	EX.	EX.	0.2	(E) RECEPT
---	-	-	-	-	-	57	-	*	-	58	1	20	EX.	EX.	0.5	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	59	-	-	*	60	1	20	EX.	EX.	0.4	(E) RECEPT
EXISTING LOAD (E)	0.8	EX.	EX.	15	1	61	*	-	-	62	1	20	EX.	EX.	0.5	(E) RECEPT
EXISTING LOAD (E)	0.8	EX.	EX.	15	1	63	-	*	-	64	1	20	EX.	EX.	1.2	(E) RECEPT
EXISTING LOAD (E)	0.4	EX.	EX.	20	1	65	-	-	*	66	1	20	EX.	EX.	0.7	(E) RECEPT
EXISTING LOAD (E)	0.8	EX.	EX.	15	1	67	*	-	-	68	1	20	EX.	EX.	0.4	(E) RECEPT
LTS (E)	1.0	EX.	EX.	20	1	69	-	*	-	70	1	20	EX.	EX.	0.8	(E) RECEPT
LTS (E)	0.8	EX.	EX.	20	1	71	-	-	*	72	1	20	EX.	EX.	1.2	(E) LTS
LTS (E)	1.3	EX.	EX.	20	1	73	*	-	-	74	1	20	EX.	EX.	0.8	(E) LTS
LTS (E)	1.5	EX.	EX.	20	1	75	-	*	-	76	1	20	EX.	EX.	0.8	(E) LTS
LTS (E)	1.0	EX.	EX.	20	1	77	-	-	*	78	1	15	EX.	EX.	0.8	(E) EXISTING LOAD
LTS (E)	0.8	EX.	EX.	20	1	79	*	-	-	80	1	15	EX.	EX.	0.5	(E) EXISTING LOAD
LTS (E)	0.8	EX.	EX.	20	1	81	-	*	-	82	1	15	EX.	EX.	0.8	(E) EXISTING LOAD
Existing Load (E)	0.5	EX.	EX.	15	1	83	-	-	*	84	1	15	EX.	EX.	0.5	(E) EXISTING LOAD

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
♦ Circuit Breaker made available from Demolition. Contractor to trace circuit and update panelboard schedule.

SR = See Riser Diagram for sizes.

Load Summary (FOR PANELS L3A 1,2 AND 3)

	Connected kVA	Demand Factor	Demand kVA	
Lighting (L):	10.0	125%	12.4	
Receptacles (R):	22.7	10 + 50%>10	16.4	
Largest Motor Load (LM):	0.0	125%	0.0	
Remaining HVAC Loads (M):	0.0	100%	0.0	
Miscellaneous (MS):	42.4	100%	42.4	
Kitchen Equipment (K):	0.0	100%	0.0	
Resistance Heat (RH)	0.0	0%	0.0	
TOTAL CONNECTED kVA =	75.0		71.2	=TOTAL DEMAND kVA -
			197.5	=TOTAL DEMAND AMPS

Additional Options:	
X	FEED THRU LUGS
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	L3A SECTION 1	Condition:	EXISTING	Voltage:	120/208V, 3PH
Location:	3RD FLOOR ELEC. ROOM A	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	225A MLO
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
PFF	X	X	X	X	X	1	*	-	-	2	1	20	EX.	EX.	0.4	(E) RECEPT
PFF	X	X	X	X	X	3	-	*	-	4	1	20	EX.	EX.	1.0	(E) RECEPT
RECEPT (E)	0.5	EX.	EX.	20	1	5	-	-	*	6	1	20	EX.	EX.	1.0	(E) RECEPT
RECEPT (E)	0.4	EX.	EX.	20	1	7	*	-	-	8	1	20	-	-	-	SPARE
EXISTING LOAD (E)	**0.4**	**EX.**	**EX.**	**20**	**1**	9	-	*	-	10	X	X	X	X	X	PFF
EXISTING LOAD (E)	**0.4**	**EX.**	**EX.**	**20**	**1**	11	-	-	*	12	1	20	-	-	-	SPARE
HAND DRYER CORE BATH ▲	**0.8**	**12**	**1/2**	**20**	**1**	13	*	-	-	14	1	20	-	-	-	SPARE
RECEPT (E)	0.4	EX.	EX.	20	1	15	-	*	-	16	1	20	-	-	-	SPARE
RECEPT (E)	0.7	EX.	EX.	20	1	17	-	-	*	18	1	20	-	-	-	SPARE
RECEPT (E)	0.7	EX.	EX.	20	1	19	*	-	-	20	1	20	-	-	-	SPARE
RECEPT (E)	0.5	EX.	EX.	20	1	21	-	*	-	22	1	20	-	-	-	SPARE
PFF	X	X	X	X	X	23	-	-	*	24	X	X	X	X	X	PFF
RECEPT (E)	0.4	EX.	EX.	20	1	25	*	-	-	26	1	20	-	-	-	SPARE
SPARE	-	-	-	20	1	27	-	*	-	28	1	20	-	-	-	SPARE
SPARE	-	-	-	20	1	29	-	-	*	30	X	X	X	X	X	PFF
RECEPT (E)	0.9	EX.	EX.	20	1	31	*	-	-	32	X	X	X	X	X	PFF
EXISTING LOAD (E)	0.8	EX.	EX.	15	1	33	-	*	-	34	1	15	EX.	EX.	0.8	(E) EXISTING LOAD
RECEPT (E)	0.4	EX.	EX.	20	1	35	-	-	*	36	X	X	X	X	X	PFF
RECEPT (E)	0.2	EX.	EX.	20	1	37	*	-	-	38	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.2	EX.	EX.	20	1	39	-	*	-	40	1	20	EX.	EX.	0.4	(E) RECEPT
EXISTING LOAD (E)	0.8	EX.	EX.	15	1	41	-	-	*	42	1	20	EX.	EX.	0.7	(E) RECEPT

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
♦ Circuit Breaker made available from Demolition. Contractor to trace circuit and update panelboard schedule.
▲ Provide circuit breaker with lock or lockable circuit breaker.

SR = See Riser Diagram for sizes.

Load Summary (FOR THIS SECTION)

	Connected kVA	Demand Factor	Demand kVA	
Lighting (L):	0.0	125%	0.0	
Receptacles (R):	9.3	10 + 50%>10	9.3	
Largest Motor Load (LM):	0.0	125%	0.0	
Remaining HVAC Loads (M):	0.0	100%	0.0	
Miscellaneous (MS):	4.0	100%	4.0	
Kitchen Equipment (K):	0.0	100%	0.0	
Resistance Heat (RH)	0.0	0%	0.0	
TOTAL CONNECTED kVA =	13.3		13.3	=TOTAL DEMAND kVA -
			36.9	=TOTAL DEMAND AMPS

Additional Options:	
X	FEED THRU LUGS
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	L3A SECTION 3	Condition:	EXISTING	Voltage:	120/208V, 3PH
Location:	3RD FLOOR ELEC. ROOM A	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	150A BREAKER
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
EXISTING LOAD (E)	1.1	EX.	EX.	20	1	1	*	-	-	2	1	20	EX.	EX.	0.8	(E) EXISTING LOAD
EXISTING LOAD (E)	0.8	EX.	EX.	20	1	3	-	*	-	4	1	20	EX.	EX.	0.8	(E) EXISTING LOAD
EXISTING LOAD (E)	0.5	EX.	EX.	20	1	5	-	-	*	6	1	20	EX.	EX.	0.5	(E) EXISTING LOAD
EXISTING LOAD (E)	0.8	EX.	EX.	20	1	7	*	-	-	8	1	20	EX.	EX.	0.5	(E) EXISTING LOAD
EXISTING LOAD (E)	0.4	EX.	EX.	20	1	9	-	*	-	10	1	20	EX.	EX.	0.8	(E) EXISTING LOAD
EXISTING LOAD (E)	0.7	EX.	EX.	20	1	11	-	-	*	12	1	20	EX.	EX.	0.8	(E) EXISTING LOAD
EXISTING LOAD (E)	0.2	EX.	EX.	20	1	13	*	-	-	14	1	20	EX.	EX.	0.5	(E) EXISTING LOAD
EXISTING LOAD (E)	0.4	EX.	EX.	20	1	15	-	*	-	16	1	20	EX.	EX.	0.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.1	EX.	EX.	20	1	17	-	-	*	18	1	20	EX.	EX.	0.4	(E) EXISTING LOAD
EXISTING LOAD (E)	0.4	EX.	EX.	20	1	19	*	-	-	20	1	20	EX.	EX.	0.4	(E) EXISTING LOAD
EXISTING LOAD (E)	0.3	EX.	EX.	20	1	21	-	*	-	22	2	30	EX.	EX.	3.0	(E) EXISTING LOAD
EXISTING LOAD (E)	0.3	EX.	EX.	20	1	23	-	-	*	24	-	-	-	-	-	---
EXISTING LOAD (E)	0.7	EX.	EX.	20	1	25	*	-	-	26	1	20	EX.	EX.	0.4	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	30	1	27	-	*	-	28	1	20	EX.	EX.	0.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	30	1	29	-	-	*	30	1	20	EX.	EX.	1.2	(E) EXISTING LOAD
PFF	X	X	X	X	X	31	*	-	-	32	3	20	EX.	EX.	2.5	(E) EXISTING LOAD
EXISTING LOAD (E)	0.5	EX.	EX.	20	1	33	-	*	-	34	-	-	-	-	-	---
EXISTING LOAD (E)	0.5	EX.	EX.	20	1	35	-	-	*	36	-	-	-	-	-	---
EXISTING LOAD (E)	2.5	EX.	EX.	20	3	37	*	-	-	38	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
---	-	-	-	-	-	39	-	*	-	40	1	20	EX.	EX.	1.0	(E) EXISTING LOAD
---	-	-	-	-	-	41	-	-	*	42	1	20	EX.	EX.	0.9	(E) EXISTING LOAD

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Contractor to trace circuits within panel and provide panel schedule in accordance w/ NEC 408.08

SR = See Riser Diagram for sizes.

Load Summary (FOR THIS SECTION)

	Connected kVA	Demand Factor	Demand kVA	
Lighting (L):	0.0	125%	0.0	
Receptacles (R):	0.0	10 + 50%>10	0.0	
Largest Motor Load (LM):	0.0	125%	0.0	
Remaining HVAC Loads (M):	0.0	100%	0.0	
Miscellaneous (MS):	31.1	100%	31.1	
Kitchen Equipment (K):	0.0	100%	0.0	
Resistance Heat (RH)	0.0	0%	0.0	
TOTAL CONNECTED kVA =	31.1		31.1	=TOTAL DEMAND kVA -
			86.2	=TOTAL DEMAND AMPS

Additional Options:	
	Sub-Feed Lugs
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	H3B	Condition:	EXISTING	Voltage:	277/480V, 3PH
Location:	3RD FLOOR ELEC. ROOM B	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	225A MLO
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
VAV (E)	1.5	EX.	EX.	20	1	1	*	-	-	2	1	20	EX.	EX.	4.0	(E) VAV
VAV (E)	2.0	EX.	EX.	20	1	3	-	*	-	4	1	20	EX.	EX.	4.0	(E) VAV
VAV (E)	2.5	EX.	EX.	20	1	5	-	-	*	6	1	20	EX.	EX.	2.0	(E) VAV
VAV (E)	1.0	EX.	EX.	20	1	7	*	-	-	8	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
VAV (E)	4.0	EX.	EX.	20	1	9	-	*	-	10	1	20	EX.	EX.	2.0	(E) LTS
VAV (E)	2.0	EX.	EX.	20	1	11	-	-	*	12	1	20	EX.	EX.	1.5	(E) LTS
VAV (E)	2.5	EX.	EX.	20	1	13	*	-	-	14	1	20	EX.	EX.	2.0	(E) LTS
VAV (E)	1.5	EX.	EX.	20	1	15	-	*	-	16	1	20	EX.	EX.	2.8	(E) LTS
VAV (E)	4.0	EX.	EX.	20	1	17	-	-	*	18	1	20	EX.	EX.	1.0	(E) LTS
VAV (E)	4.0	EX.	EX.	20	1	19	*	-	-	20	1	20	EX.	EX.	3.5	(E) LTS
VAV (E)	2.5	EX.	EX.	20	1	21	-	*	-	22	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
VAV (E)	1.0	EX.	EX.	20	1	23	-	-	*	24	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	1.0	EX.	EX.	20	1	25	*	-	-	26	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
VAV (E)	2.5	EX.	EX.	20	1	27	-	*	-	28	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
VAV (E)	3.0	EX.	EX.	20	1	29	-	-	*	30	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
VAV (E)	1.5	EX.	EX.	20	1	31	*	-	-	32	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
VAV (E)	1.0	EX.	EX.	20	1	33	-	*	-	34	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
VAV (E)	1.0	EX.	EX.	20	1	35	-	-	*	36	1	30	EX.	EX.	6.0	(E) EWH-1 RM. 309
VAV RM. 307 (E)	1.3	EX.	EX.	15	1	37	*	-	-	38	3	70	EX.	EX.	35.5	(E) 45KVA XFMR PNL L3B
VAV RM. 305A *	**3.8**	**12**	**1/2**	**15**	**1**	39	-	*	-	40	-	-	-	-	-	---
PFF	X	X	X	X	X	41	-	-	*	42	-	-	-	-	-	---

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
♦ Circuit Breaker made available from Demolition.

SR = See Riser Diagram for sizes.

Load Summary (FOR THIS PANEL)

	Connected kVA	Demand Factor	Demand kVA	
Lighting (L):	15.3	125%	19.1	
Receptacles (R):	0.0	10 + 50%>10	0.0	
Largest Motor Load (LM):	0.0	125%	0.0	
Remaining HVAC Loads (M):	53.6	100%	53.6	* All VAV loads are calculated with heat at 125% demand.
Miscellaneous (MS):	44.5	100%	44.5	
Kitchen Equipment (K):	0.0	100%	0.0	
Resistance Heat (RH)	7.5	100%	7.5	
TOTAL CONNECTED kVA =	120.9		124.7	=TOTAL DEMAND kVA -
			150.0	=TOTAL DEMAND AMPS

Additional Options:	
	Sub-Feed Lugs
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	L3B	Condition:	EXISTING	Voltage:	120/208V, 3PH
Location:	3RD FLOOR ELEC. ROOM B	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	150A BREAKER
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
RECEPT (E)	0.7	EX.	EX.	20	1	1	*	-	-	2	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	3	-	*	-	4	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	5	-	-	*	6	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	7	*	-	-	8	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	9	-	*	-	10	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	11	-	-	*	12	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	13	*	-	-	14	3	60	1	6	16.8	(E) PANEL L3C
RECEPT (E)	0.7	EX.	EX.	20	1	15	-	*	-	16	-	-	-	-	-	---
RECEPT (E)	0.7	EX.	EX.	20	1	17	-	-	*	18	-	-	-	-	-	---
RECEPT (E)	0.7	EX.	EX.	20	1	19	*	-	-	20	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	21	-	*	-	22	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	23	-	-	*	24	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	25	*	-	-	26	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	27	-	*	-	28	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	29	-	-	*	30	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	31	*	-	-	32	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	33	-	*	-	34	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	35	-	-	*	36	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	37	*	-	-	38	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	39	-	*	-	40	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	41	-	-	*	42	1	20	EX.	EX.	0.7	(E) RECEPT

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.

SR = See Riser Diagram for sizes.

Load Summary (FOR ALL PANEL SECTIONS)

	Connected kVA	Demand Factor	Demand kVA	
Lighting (L):	0.0	125%	0.0	
Receptacles (R):	27.3	10 + 50%>10	18.7	
Largest Motor Load (LM):	0.0	125%	0.0	
Remaining HVAC Loads (M):	0.0	100%	0.0	
Miscellaneous (MS):	16.8	100%	16.8	
Kitchen Equipment (K):	0.0	100%	0.0	
Resistance Heat (RH)	0.0	0%	0.0	
TOTAL CONNECTED kVA =	44.1		35.5	=TOTAL DEMAND kVA -
			98.5	=TOTAL DEMAND AMPS

Additional Options:	
	Sub-Feed Lugs
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	L3C	Condition:	EXISTING	Voltage:	120/208V, 3PH
Location:	3RD FLOOR ELEC. ROOM B	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	---	Mains:	125A MLO
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
SYS. FURN. RM. 319 (E)	0.4	EX.	EX.	20	1	1	*	-	-	2	1	20	EX.	EX.	0.7	(E) RECEPTACLE
SYS. FURN. RM. 319 (E)	0.4	EX.	EX.	20	1	3	-	*	-	4	1	20	EX.	EX.	0.7	(E) RECEPTACLE
SYS. FURN. RM. 307 (E)	0.2	EX.	EX.	20	1	5	-	-	*	6	1	20	EX.	EX.	0.7	(E) RECEPTACLE
SYS. FURN. RM. 307 (E)	0.4	EX.	EX.	20	1	7	*	-	-	8	1	20	EX.	EX.	1.1	(E) REC. RM. 300A
REC. COPIER RM. 333 (E)	1.1	EX.	EX.	20	1	9	-	*	-	10	1	20	EX.	EX.	1.1	(E) REC. RM. 333
REC. & LTS RM. 323 (E)	0.9	EX.	EX.	20	1	11	-	-	*	12	1	20	EX.	EX.	1.0	(E) PROJECTOR RM. 306A
REC. RM. 306A (E)	0.7	EX.	EX.	20	1	13	*	-	-	14	1	20	EX.	EX.	1.1	(E) REC. COPIER RM. 306B
SHADES RM. 306A (E)	1.1	EX.	EX.	20	1	15	-	*	-	16	1	20	EX.	EX.	1.1	(E) REC. REF. RM. 309
DISPOSAL RM. 309 (E)	1.2	EX.	EX.	20	1	17	-	-	*	18	1	20	EX.	EX.	1.4	(E) REC. DISHWASHER
COFFEE RM. 309 (E)	1.2	EX.	EX.	20	1	19	*	-	-	20	1	20	EX.	EX.	0.8	(E) REC. MICRO. RM. 309
REC. COPIER RM. 323 (E)	1.1	EX.	EX.	20	1	21	-	*	-	22	1	20	EX.	EX.	0.2	(E) CR DOOR LOCK
RECEPT 301,02,03,04	**0.7**	**12**	**1/2**	**20**	**1**	23	-	-	*	24	**1**	**20**	**1/2**	**12**	**1.1**	**RECEPT 320**
RECEPT 306	**0.5**	**12**	**1/2**	**20**	**1**	25	*	-	-	26	**1**	**20**	**1/2**	**12**	**0.8**	**RECEPT 306**
DIGITAL DISPLAY 300	**0.4**	**12**	**1/2**	**20**	**1**	27	-	*	-	28	**1**	**20**	**1/2**	**12**	**0.7**	**RECEPT 317,19A,19C**
RECEPT 325, 23,22	**0.9**	**12**	**1/2**	**20**	1	29	-	-	*	30	1	20	-	-	-	SPARE
SPARE	-	-	-	20	1	31	*	-	-	32	1	20	-	-	-	SPARE
SPARE	-	-	-	20	1	33	-	*	-	34	1	20	-	-	-	SPARE
PFF	X	X	X	X	X	35	-	-	*	36	X	X	X	X	X	PFF
PFF	X	X	X	X	X	37	*	-	-	38	X	X	X	X	X	PFF
PFF	X	X	X	X	X	39	-	*	-	40	X	X	X	X	X	PFF
PFF	X	X	X	X	X	41	-	-	*	42	X	X	X	X	X	PFF

Notes:

SR = See Riser Diagram for sizes.

Load Summary (FOR THIS PANEL)

	Connected kVA	Demand Factor	Demand kVA	
Lighting (L):	0.0	125%	0.0	
Receptacles (R):	23.3	10 + 50%>10	16.7	
Largest Motor Load (LM):	0.0	125%	0.0	
Remaining HVAC Loads (M):	0.0	100%	0.0	
Miscellaneous (MS):	0.2	100%	0.2	
Kitchen Equipment (K):	0.0	100%	0.0	
Resistance Heat (RH)	0.0	0%	0.0	
TOTAL CONNECTED kVA =	23.5		16.8	=TOTAL DEMAND kVA -
			46.7	=TOTAL DEMAND AMPS

Additional Options:	
	Sub-Feed Lugs
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	H9A SEC. 2	Condition:	EXISTING	Voltage:	277/480V, 3PH
Location:	9TH FLOOR ELEC. ROOM "A"	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	400A MLO
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
LTS (E)	2.5	EX.	EX.	20	1	43	*	-	-	44	1	20	EX.	EX.	2.5	(E) LTS
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	45	-	*	-	46	1	20	EX.	EX.	2.5	(E) LTS
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	47	-	-	*	48	X	X	X	X	X	PFF
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	49	*	-	-	50	X	X	X	X	X	PFF
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	51	-	*	-	52	X	X	X	X	X	PFF
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	53	-	-	*	54	X	X	X	X	X	PFF
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	55	*	-	-	56	X	X	X	X	X	PFF
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	57	-	*	-	58	X	X	X	X	X	PFF
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	59	-	-	*	60	X	X	X	X	X	PFF
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	61	*	-	-	62	X	X	X	X	X	PFF
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	63	-	*	-	64	3	30	EX.	EX.	10.0	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	65	-	-	*	66	-	-	-	-	-	---
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	67	*	-	-	68	-	-	-	-	-	---
VAV 903 *	**7.5**	**12**	**1/2**	**15**	**3**	69	-	*	-	70	3	30	EX.	EX.	10.0	(E) EXISTING LOAD
---	-	-	-	-	-	71	-	-	*	72	-	-	-	-	-	---
---	-	-	-	-	-	73	*	-	-	74	-	-	-	-	-	---
VAV 909A *	**10.0**	**12**	**1/2**	**20**	**3**	75	-	*	-	76	3	30	EX.	EX.	10.0	(E) EXISTING LOAD
---	-	-	-	-	-	77	-	-	*	78	-	-	-	-	-	---
---	-	-	-	-	-	79	*	-	-	80	-	-	-	-	-	---
PFF	X	X	X	X	X	81	-	*	-	82	X	X	X	X	X	PFF
PFF	X	X	X	X	X	83	-	-	*	84	X	X	X	X	X	PFF

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
**Circuit Breaker made available from Demolition.

SR = See Riser Diagram for sizes.

Load Summary (FOR PANELS H9A SEC. 1 AND 2)

	Connected kVA	Demand Factor	Demand kVA	
Lighting (L):	15.0	125%	18.8	
Receptacles (R):	0.0	10 + 50%>10	0.0	
Largest Motor Load (LM):	0.0	125%	0.0	
Remaining HVAC Loads (M):	56.0	100%	56.0	* All VAV loads are calculated with heat at 125% demand.
Miscellaneous (MS):	105.0	100%	105.0	
Kitchen Equipment (K):	0.0	100%	0.0	
Resistance Heat (RH)	27.3	100%	27.3	
TOTAL CONNECTED kVA =	203.3		207.0	=TOTAL DEMAND kVA -
			249.0	=TOTAL DEMAND AMPS

Additional Options:	
X	FEED THRU LUGS
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	H9A SEC. 1	Condition:	EXISTING	Voltage:	277/480V, 3PH
Location:	9TH FLOOR ELEC. ROOM "A"	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	400A MLO
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
VAV (E)	4.0	EX.	EX.	20	1	1	*	-	-	2	1	20	EX.	EX.	4.0	(E) VAV
VAV (E)	4.0	EX.	EX.	20	1	3	-	*	-	4	1	20	EX.	EX.	4.0	(E) VAV
VAV (E)	4.0	EX.	EX.	20	1	5	-	-	*	6	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
VAV (E)	4.0	EX.	EX.	20	1	7	*	-	-	8	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	4.0	EX.	EX.	20	1	9	-	*	-	10	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	4.0	EX.	EX.	20	1	11	-	-	*	12	1	20	EX.	EX.	2.5	(E) LTS
VAV (E)	4.0	EX.	EX.	20	1	13	*	-	-	14	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
VAV (E)	4.0	EX.	EX.	20	1	15	-	*	-	16	1	30	EX.	EX.	1.5	(E) EXISTING LOAD
VAV (E)	4.0	EX.	EX.	20	1	17	-	-	*	18	X	X	X	X	X	PFF
VAV (E)	4.0	EX.	EX.	20	1	19	*	-	-	20	X	X	X	X	X	PFF
VAV (E)	4.0	EX.	EX.	20	1	21	-	*	-	22	X	X	X	X	X	PFF
VAV (E)	4.0	EX.	EX.	20	1	23	-	-	*	24	X	X	X	X	X	PFF
EXISTING LOAD (E)	10.0	EX.	EX.	30	3	25	*	-	-	26	3	15	EX.	EX.	5.5	(E) EXISTING LOAD
---	-	-	-	-	-	27	-	*	-	28	-	-	-	-	-	---
---	-	-	-	-	-	29	-	-	*	30	-	-	-	-	-	---
EWH-1 903E *	**3.8**	**12**	**1/2**	**15**	**1**	31	*	-	-	32	X	X	X	X	X	PFF
PFF	X	X	X	X	X	33	-	*	-	34	X	X	X	X	X	PFF
PFF	X	X	X	X	X	35	-	-	*	36	X	X	X	X	X	PFF
PFF	X	X	X	X	X	37	*	-	-	38	X	X	X	X	X	PFF
PFF	X	X	X	X	X	39	-	*	-	40	X	X	X	X	X	PFF
PFF	X	X	X	X	X	41	-	-	*	42	X	X	X	X	X	PFF
75KVA XFMR PNL L9A (E)	43.0	EX.	EX.	125	3	S	*	-	-	S	X	X	X	X	X	PFF
---	-	-	-	-	-	U	-	*	-	U	X	X	X	X	X	PFF
---	-	-	-	-	-	B	-	-	*	B	X	X	X	X	X	PFF

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
**Circuit Breaker made available from Demolition.

SR = See Riser Diagram for sizes.

Load Summary (FOR THIS SECTION)

	Connected kVA	Demand Factor	Demand kVA	
Lighting (L):	7.5	125%	9.4	
Receptacles (R):	0.0	10 + 50%>10	0.0	
Largest Motor Load (LM):	0.0	125%	0.0	
Remaining HVAC Loads (M):	56.0	100%	56.0	* All VAV loads are calculated with heat at 125% demand.
Miscellaneous (MS):	57.5	100%	57.5	
Kitchen Equipment (K):	0.0	100%	0.0	
Resistance Heat (RH)	9.3	100%	9.3	
TOTAL CONNECTED kVA =	130.3		132.2	=TOTAL DEMAND kVA -
			159.0	=TOTAL DEMAND AMPS

Additional Options:	
X	Sub-Feed Lugs
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated
X	FEED THRU LUGS

PANEL SCHEDULE

Panel ID:	L9A SEC. 2	Condition:	EXISTING	Voltage:	120/208V, 3PH
Location:	9TH FLOOR ELEC. ROOM "A"	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	225A MLO
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
RECEPT VEN. MACH. 903E ♦	**1.0**	**12**	**1/2**	**20**	**1**	43	*	-	-	44	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT VEN. MACH. 903E ♦	**1.0**	**12**	**1/2**	**20**	**1**	45	-	*	-	46	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT REF. 903E♦	**1.1**	**12**	**1/2**	**20**	**1**	47	-	-	*	48	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT REF. 903E♦	**1.1**	**12**	**1/2**	**20**	**1**	49	*	-	-	50	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT WT DISP. 903E ♦	**0.8**	**12**	**1/2**	**20**	**1**	51	-	*	-	52	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT COFFEE 903E ♦	**1.2**	**12**	**1/2**	**20**	**1**	53	-	-	*	54	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT DISH. 903E * ♦	**1.4**	**12**	**1/2**	**20**	**1**	55	*	-	-	56	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT ICE 903E ♦	**0.8**	**12**	**1/2**	**20**	**1**	57	-	*	-	58	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT MICRO. 903E ♦	**1.2**	**12**	**1/2**	**20**	**1**	59	-	-	*	60	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT MICRO. 903E ♦	**1.2**	**12**	**1/2**	**20**	**1**	61	*	-	-	62	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT 903 ♦	**0.9**	**12**	**1/2**	**20**	**1**	63	-	*	-	64	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT 904 ♦	**0.7**	**12**	**1/2**	**20**	**1**	65	-	-	*	66	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT 904 ♦	**0.5**	**12**	**1/2**	**20**	**1**	67	*	-	-	68	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT 903A ♦	**1.1**	**12**	**1/2**	**20**	**1**	69	-	*	-	70	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT DISP. 903E ♦	**1.2**	**12**	**1/2**	**20**	**1**	71	-	-	*	72	1	20	EX.	EX.	0.7	(E) RECEPT
SPARE ♦	-	-	-	**20**	**1**	73	*	-	-	74	1	20	EX.	EX.	0.7	(E) RECEPT
SPARE ♦	-	-	-	**20**	**1**	75	-	*	-	76	1	20	EX.	EX.	0.7	(E) RECEPT
SPARE ♦	-	-	-	**20**	**1**	77	-	-	*	78	**3**	**20**	-	-	-	**♦ SPARE**
LIGHTS ZONE 3 ♦	**0.5**	**12**	**1/2**	**20**	**1**	79	*	-	-	80	-	-	-	-	-	---
SPARE ♦	-	-	-	**20**	**1**	81	-	*	-	82	-	-	-	-	-	---
SPARE ♦	-	-	-	**20**	**1**	83	-	-	*	84	X	X	X	X	X	PFF

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
♦ Circuit Breaker made available from Demolition.
○ Provide 5mA GFCI Circuit Breaker
▲ Provide circuit breaker with lock or lockable circuit breaker.

SR = See Riser Diagram for sizes.

Load Summary (FOR THIS SECTION)

	Connected kVA	Demand Factor	Demand kVA	
Lighting (L):	0.5	125%	0.6	
Receptacles (R):	27.1	10 + 50%>10	18.6	
Largest Motor Load (LM):	0.0	125%	0.0	
Remaining HVAC Loads (M):	0.0	100%	0.0	
Miscellaneous (MS):	0.0	100%	0.0	
Kitchen Equipment (K):	0.0	100%	0.0	
Resistance Heat (RH)	0.0	0%	0.0	
TOTAL CONNECTED kVA =	27.6		19.1	=TOTAL DEMAND kVA -
			53.1	=TOTAL DEMAND AMPS

Additional Options:	
	FEED THRU LUGS
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	L9A SEC. 1	Condition:	EXISTING	Voltage:	120/208V, 3PH
Location:	9TH FLOOR ELEC. ROOM "A"	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	225A BREAKER
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
RECEPT (E)	0.7	EX.	EX.	20	1	1	*	-	-	2	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	3	-	*	-	4	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	5	-	-	*	6	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	3.0	EX.	EX.	20	2	7	*	-	-	8	1	20	EX.	EX.	0.7	(E) RECEPT
---	-	-	-	-	-	9	-	*	-	10	2	20	EX.	EX.	3.0	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	11	-	-	*	12	-	-	-	-	-	---
RECEPT (E)	0.7	EX.	EX.	20	1	13	*	-	-	14	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	3.0	EX.	EX.	20	2	15	-	*	-	16	1	20	EX.	EX.	0.7	(E) RECEPT
---	-	-	-	-	-	17	-	-	*	18	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	19	*	-	-	20	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	21	-	*	-	22	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	23	-	-	*	24	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	25	*	-	-	26	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	27	-	*	-	28	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	29	-	-	*	30	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	31	*	-	-	32	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	33	-	*	-	34	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	35	-	-	*	36	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	37	*	-	-	38	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	39	-	*	-	40	2	20	EX.	EX.	3.0	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	41	-	-	*	42	-	-	-	-	-	---

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.
♦ Circuit Breaker made available from Demolition.

SR = See Riser Diagram for sizes.

Load Summary (FOR PANELS L9A SEC. 1 AND 2)

	Connected kVA	Demand Factor	Demand kVA	
Lighting (L):	0.5	125%	0.6	
Receptacles (R):	50.9	10 + 50%>10	30.5	
Largest Motor Load (LM):	0.0	125%	0.0	
Remaining HVAC Loads (M):	0.0	100%	0.0	
Miscellaneous (MS):	12.0	100%	12.0	
Kitchen Equipment (K):	0.0	100%	0.0	
Resistance Heat (RH)	0.0	0%	0.0	
TOTAL CONNECTED kVA =	63.4		43.0	=TOTAL DEMAND kVA -
			119.5	=TOTAL DEMAND AMPS

Additional Options:	
X	FEED THRU LUGS
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	HG1	Condition:	EXISTING	Voltage:	277/480V, 3PH
Location:	LEVEL G1 ELECTRICAL ROOM	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	CUTLER-HAMMER	Mains:	400A MLO
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
EXISTING LOAD (E)	10.0	EX.	EX.	20	3	1	*	-	-	2	3	20	EX.	EX.	10.0	(E) EXISTING LOAD
---	-	-	-	-	-	3	-	*	-	4	-	-	-	-	-	---
---	-	-	-	-	-	5	-	-	*	6	-	-	-	-	-	---
SPARE	-	-	-	20	3	7	*	-	-	8	3	70	SR	SR	32.4	(E) 45KVA XFMR LG1
---	-	-	-	-	-	9	-	*	-	10	-	-	-	-	-	---
---	-	-	-	-	-	11	-	-	*	12	-	-	-	-	-	---
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	13	*	-	-	14	X	X	X	X	X	PFF
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	15	-	*	-	16	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	17	-	-	*	18	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	19	*	-	-	20	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	21	-	*	-	22	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	23	-	-	*	24	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	25	*	-	-	26	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	27	-	*	-	28	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
PFF	X	X	X	X	X	29	-	-	*	30	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	31	*	-	-	32	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	33	-	*	-	34	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	35	-	-	*	36	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	37	*	-	-	38	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	39	-	*	-	40	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	41	-	-	*	42	1	20	EX.	EX.	1.5	(E) EXISTING LOAD

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.

SR = See Riser Diagram for sizes.

Load Summary (FOR THIS PANEL)

	Connected kVA	Demand Factor	Demand kVA	
Lighting (L):	0.0	125%	0.0	
Receptacles (R):	0.0	10 + 50%>10	0.0	
Largest Motor Load (LM):	0.0	125%	0.0	
Remaining HVAC Loads (M):	0.0	100%	0.0	
Miscellaneous (MS):	94.4	100%	94.4	
Kitchen Equipment (K):	0.0	100%	0.0	
Resistance Heat (RH)	0.0	0%	0.0	
TOTAL CONNECTED kVA =	94.4		94.4	=TOTAL DEMAND kVA -
			113.5	=TOTAL DEMAND AMPS

Additional Options:	
	Sub-Feed Lugs
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL SCHEDULE

Panel ID:	LG1	Condition:	EXISTING	Voltage:	120/208V, 3PH
Location:	LEVEL G1 ELECTRICAL ROOM	Type:	NORMAL	Service:	3 PHASE, 4 WIRE
Mounting:	SURFACE	Manufacturer:	WESTINGHOUSE	Mains:	175A BREAKER
Neutral:	SOLID			AIC:	EXISTING

Load Description	kVA	Wire Size	Cond. Size	Brk	P	Ckt #	A	B	C	Ckt #	P	Brk	Cond. Size	Wire Size	kVA	Load Description
EXISTING LOAD (E)	0.8	EX.	EX.	20	1	1	*	-	-	2	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
EXISTING LOAD (E)	0.8	EX.	EX.	20	1	3	-	*	-	4	1	20	EX.	EX.	0.7	(E) RECEPT
EXISTING LOAD (E)	0.8	EX.	EX.	20	1	5	-	-	*	6	1	20	EX.	EX.	0.7	(E) RECEPT
EXISTING LOAD (E)	0.8	EX.	EX.	20	1	7	*	-	-	8	1	20	EX.	EX.	0.8	(E) EXISTING LOAD
EXISTING LOAD (E)	0.8	EX.	EX.	20	1	9	-	*	-	10	2	20	EX.	EX.	3.0	(E) EXISTING LOAD
RECEPT (E)	0.7	EX.	EX.	20	1	11	-	-	*	12	-	-	-	-	-	---
RECEPT (E)	0.7	EX.	EX.	20	1	13	*	-	-	14	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	15	-	*	-	16	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	17	-	-	*	18	1	20	EX.	EX.	0.7	(E) RECEPT
RECEPT (E)	0.7	EX.	EX.	20	1	19	*	-	-	20	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
RECEPT (E)	0.7	EX.	EX.	20	1	21	-	*	-	22	1	20	EX.	EX.	0.8	(E) EXISTING LOAD
RECEPT (E)	0.7	EX.	EX.	20	1	23	-	-	*	24	1	20	EX.	EX.	1.5	(E) EXISTING LOAD
RECEPT (E)	0.7	EX.	EX.	20	1	25	*	-	-	26	1	20	EX.	EX.	0.8	(E) EXISTING LOAD
RECEPT (E)	0.7	EX.	EX.	20	1	27	-	*	-	28	X	X	X	X	X	PFF
EXISTING LOAD (E)	5.0	EX.	EX.	60	3	29	-	-	*	30	X	X	X	X	X	PFF
---	-	-	-	-	-	31	*	-	-	32	2	30	EX.	EX.	2.0	(E) EXISTING LOAD
---	-	-	-	-	-	33	-	*	-	34	-	-	-	-	-	---
EXISTING LOAD (E)	1.5	EX.	EX.	20	1	35	-	-	*	36	**1**	**20**	**1/2**	**12**	**0.2**	*** TV PANEL G100**
PFF	X	X	X	X	X	37	*	-	-	38	X	X	X	X	X	PFF
PFF	X	X	X	X	X	39	-	*	-	40	X	X	X	X	X	PFF
PFF	X	X	X	X	X	41	-	-	*	42	X	X	X	X	X	PFF

Notes: Unless noted otherwise, all breakers are EXISTING to be used as indicated.
* Provide new circuit breaker with AIC rating to match existing.

Load Summary (FOR THIS PANEL)

	Connected kVA	Demand Factor	Demand kVA	
Lighting (L):	0.0	125%	0.0	
Receptacles (R):	10.0	10 + 50%>10	10.0	
Largest Motor Load (LM):	0.0	125%	0.0	
Remaining HVAC Loads (M):	0.0	100%	0.0	
Miscellaneous (MS):	22.4	100%	22.4	
Kitchen Equipment (K):	0.0	100%	0.0	
Resistance Heat (RH)	0.0	0%	0.0	
TOTAL CONNECTED kVA =	32.4		32.4	=TOTAL DEMAND kVA -
			89.9	=TOTAL DEMAND AMPS

Additional Options:	
	Sub-Feed Lugs
	NEMA 3R Enclosure
	200% Neutral
	Isolated Ground
	Service Entrance Rated

PANEL LEGEND

H3A SEC. 2	H3A SEC. 1	L3A SEC. 2	L3A SEC. 1	L3A SEC. 3
H3B	L3B	L3C	H9A SEC. 2	H9A SEC.1
L9A SEC. 2	L9A SEC. 1	HG1	LG1	--

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Construction Documents for:

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2100 CLARENDON BLVD
ARLINGTON, VIRGINIA

Project: 18029-01

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Revisions

PANEL SCHEDULES - ELECTRICAL

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