

2022 RENOVATION WORK

HADLEY JUNIOR HIGH SCHOOL

240 HAWTHORNE BOULEVARD, GLEN ELLYN, ILLINOIS 60137

GLEN ELLYN SCHOOL DISTRICT 41

793 NORTH MAIN STREET, GLEN ELLYN, ILLINOIS 60137

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CONSTRUCTION DOCUMENTS

13100-2021014



FLOOR PLAN LEGEND

NORTH ARROW

TRUE NORTH

ROOM NAME
XXX

ROOM TAG

PARTITION TYPE TAG

DOOR TAG

BUILDING SECTION TAG

WALL SECTION TAG

DETAIL TAG

MATCHLINE

SEE 1 / A101

DEMOLITION KEYNOTE

CONSTRUCTION KEYNOTE

ACCESSORY KEYNOTE

CONSTRUCTION KEYNOTE ELEVATION

WINDOW AND STOREFRONT TAG

FINISH FLOOR TRANSITION

EGRESS CAPACITY TAG

ACTUAL OCCUPANT LOAD

ALLOWABLE OCCUPANT LOAD

EXITING DISTANCE TAG

REVISION TAG

CENTER LINE

VIEW NAME

VIEW TITLE

1/8" = 1'-0"

0' 4' 8' 16'

MATERIAL LEGEND

CONCRETE MASONRY UNIT

BRICK

CONCRETE

GROUT

GYP SUM

METAL

INSULATION

WOOD

EARTH

GRAVEL/ CRUSHED STONE

CMU ELEVATION

BRICK ELEVATION

BATT/LOOSE FILL INSULATION

WOOD BLOCKING

EXISTING CONSTRUCTION TO BE REMOVED

NEW DOOR

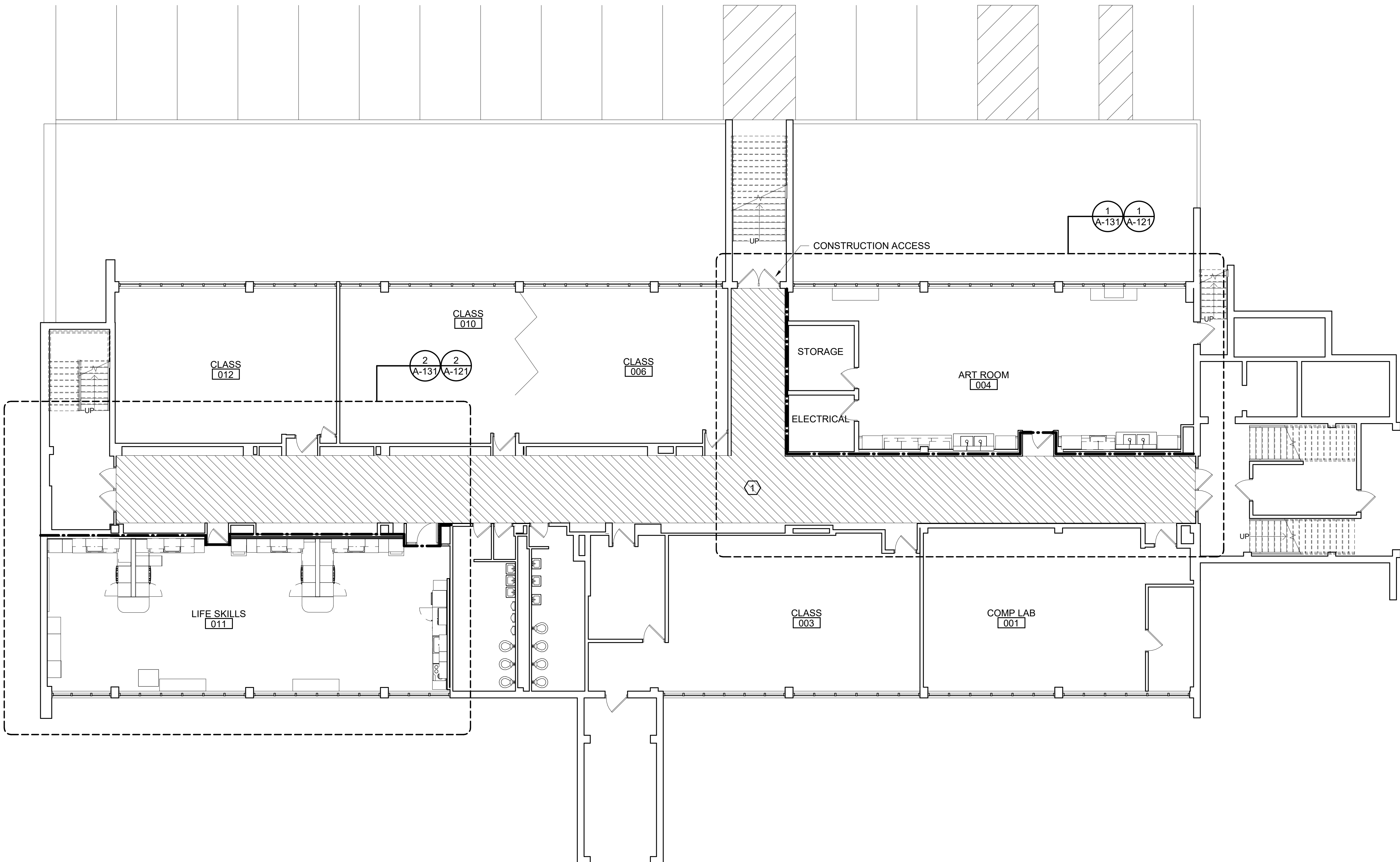
EXISTING DOOR

ABBREVIATIONS

NOT ALL ABBREVIATIONS MAY BE USED IN THIS DOCUMENT			
AB	ANCHOR BOLT	N	NORTH
ATC	ACOUSTICAL TILE CEILING	NC	NOISE CRITERIA
ACS PNL	ACCESS PANEL	NSF	NET SQUARE FEET
ADH	ADHESIVE	NF	NEAR FACE
ADJ	ADJUSTABLE	NIC	NOT IN CONTRACT
AFF	ABOVE FINISHED FLOOR	NOM	NOMINAL
AHU	AIR HANDLING UNIT	NTS	NOT TO SCALE
ALT	ALTERNATE		
ALUM	ALUMINUM	OC	ON CENTER
APC	ACOUSTICAL PANEL CEILING	OD	OUTSIDE DIAMETER
		OH	OVERHANG
B/O	BOTTOM OF	OPNG	OPENING
BD	BOARD	OPH	OPPOSITE HAND
BLDG	BUILDING	OPP	OPPOSITE
BM	BENCHMARK		
BOT	BOTTOM	PC	PORTLAND CEMENT
BSMT	BASEMENT	PCC	PRECAST CONCRETE
		PCP	PORTLAND CEMENT PLASTER
CG	CORNERGUARD	PERP	PERPENDICULAR
CL	CENTERLINE	PL	PROPERTY LINE
CJ	CONTROL JOINT	PLAM	PLASTIC LAMINATE
CI	CAST IRON	PLAS	PLASTER
CLG	CEILING	PLBG	PLUMBING
CLR	CLEAR	PLYWD	PLYWOOD
CMU	CONCRETE MASONRY UNIT	PN	PART NUMBER
CO	CLEAN OUT	PNL	PANEL
COL	COLUMN	PR	PAIR
CONC	CONCRETE	PREFAB	PREFABRICATED
CONSTR	CONSTRUCTION	PROP	PROPERTY
CONT	CONTINUE	PSF	POUNDS PER SQUARE FOOT
CORR	CORRIDOR	PSI	POUNDS PER SQUARE INCH
CSK	COUNTERSUNK	PT	PAINT
CT	CERAMIC TILE		
DMPF	DAMP PROOFING	R	RISER / RADIUS
DEMO	DEMOLITION	RB	RESILIENT BASE
DEPT	DEPARTMENT	RBR	RUBBER STAIR TREAD AND RISER
DET	DETAIL	RD	ROOF DRAIN
DF	DRINKING FOUNTAIN	RCP	REFLECTED CEILING PLAN
DIA	DIAMETER	REF	REFERENCE
DIAG	DIAGONAL	REINF	REINFORCED
DIM	DIMENSION	REQD	REQUIRED
DISP	DISPENSER	REV	REVISION, REVISED
DL	DEAD LOAD	RF	RESILIENT FLOORING
DR	DOOR	RM	ROOM
DS	DOWNSPOUT	RO	ROUGH OPENING
DWG	DRAWING	ROW	RIGHT OF WAY
		RTU	ROOF TOP UNIT
E	EAST	S	SOUTH
EA	EACH	SAN	SANITARY
EIFS	EXTERIOR INSULATION	SAU	SELF ADHERING UNDERLAYMENT
		SC	SOLID CORE
EJ	EXPANSION JOINT	SCHED	SCHEDULE
EL	ELEVATION	SECT	SECTION
ELEC	ELECTRICAL	SF	SQUARE FEET
ELEV	ELEVATOR	SHT	SHEET
EMER	EMERGENCY	SIM	SIMILAR
ENCL	ENCLOSURE	SQ	SQUARE
EQ	EQUAL	SST	STAINLESS STEEL
EQUIP	EQUIPMENT	STC	SOUND TRANSMISSION CLASS
EWC	ELECTRIC WATER COOLER	STD	STANDARD
EWS	EYE WASH STATION	STOR	STORAGE
EXH	EXHAUST	STRUCT	STRUCTURAL
EXIST	EXISTING	SUSP	SUSPEND
EXP	EXPANSION	SYMM	SYMMETRICAL
EXT	EXTERIOR		
FA	FIRE ALARM	T	TREAD
FD	FLOOR DRAIN	TB	TACK BOARD
FDTN	FOUNDATION	TC	TERRA COTTA
FE	FIRE EXTINGUISHER	TEL	TELEPHONE
FEC	FIRE EXTINGUISHER CABINET	THK	THICKNESS
FF	FINISH FACE	TN	TRUE NORTH
FH	FIRE HYDRANT	TOM	TOP OF MASONRY
FHC	FIRE HOSE CABINET	TS	TUBE STEEL
FHR	FIRE HOSE RACK	TYP	TYPICAL
FIN	FINISH		
FLR	FLOOR	UL	UNDERWRITERS LABORATORIES
FLUOR	FLUORESCENT	UNO	UNLESS NOTED OTHERWISE
FRP	FIBERGLASS REINFORCED PLASTIC	UR	URINAL
FT	FOOT / FEET		
FTG	FOOTING	VAR	VARIES
FURN	FURNISH(ED) (FURNITURE)	VERT	VERTICAL
		VEST	VESTIBULE
GALV	GALVANIZED	VIF	VERIFY IN FIELD
GLZ	GLAZING		
GYP	GYP SUM	W/	WITH
GSF	GROSS SQUARE FEET	W	WEST, WIDTH, WIDE
		WC	WATER CLOSET
H	HIGH	WD	WOOD
HB	HOSE BIB	WH	WATER HEATER
HC	HOLLOW CORE	WP	WATER PROOFING
HCP	HANDICAPPED	WWM	WELDED WIRE MESH
HD	HAND DRYER		
HDW	HARDWARE		
HM	HOLLOW METAL		
HORIZ	HORIZONTAL		
HT	HEIGHT		
HVAC	HEATING, VENTILATION, AIR CONDITIONING		
IAQ	INDOOR AIR QUALITY		
ID	INSIDE DIAMETER		
INCL	INCLUDE (D) (ING)/(S)		
INSUL	INSULATION / INSULATE		
INT	INTERIOR		
INSTL	INSTALL		
JAN	JANITOR		
JAN CLO	JANITOR CLOSET		
KIT	KITCHEN		
KO	KNOCKOUT		
LAV	LAVATORY		
LBS	POUNDS		
LF	LINEAR FEET		
LL	LIVE LOAD		
LPT	LOW POINT		
LTG	LIGHTING		
LT WT	LIGHTWEIGHT		
MACH	MACHINE		
MATL	MATERIAL		
MAX	MAXIMUM		
MB	MARKER BOARD		
MECH	MECHANICAL		
MED	MEDIUM		
MEMB	MEMBRANE		
MEZZ	MEZZANINE		
MFR	MANUFACTURER		
MH	MANHOLE		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MO	MASONRY OPENING		
MTD	MOUNTED		
MTL	METAL		

DRAWN	CHECKED
ENW	GP
ISSUE DATE	
27 SEP 2021	
REVISION SCHEDULE	
NUMBER	DESCRIPTION
DATE	

PROJECT NUMBER
13100-2021014
PROJECT PHASE
CONSTRUCTION DOCUMENTS
SHEET



1 LOWER LEVEL FLOOR PLAN
1/8" = 1'-0"
0' 4' 8' 16'

LOWER LEVEL FLOOR PLAN GENERAL NOTES

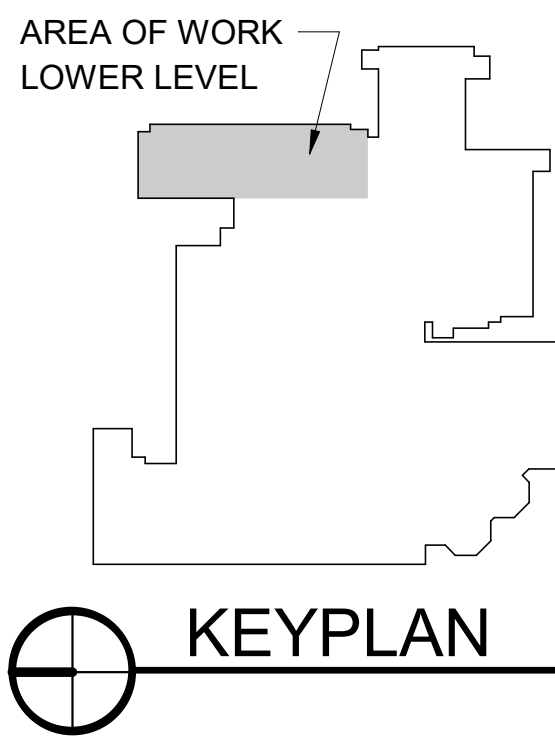
1. LIMIT CONSTRUCTION ACCESS WHERE INDICATED ON PLAN.
2. ALTERNATE ACCESS TO BE USED AS NECESSARY.

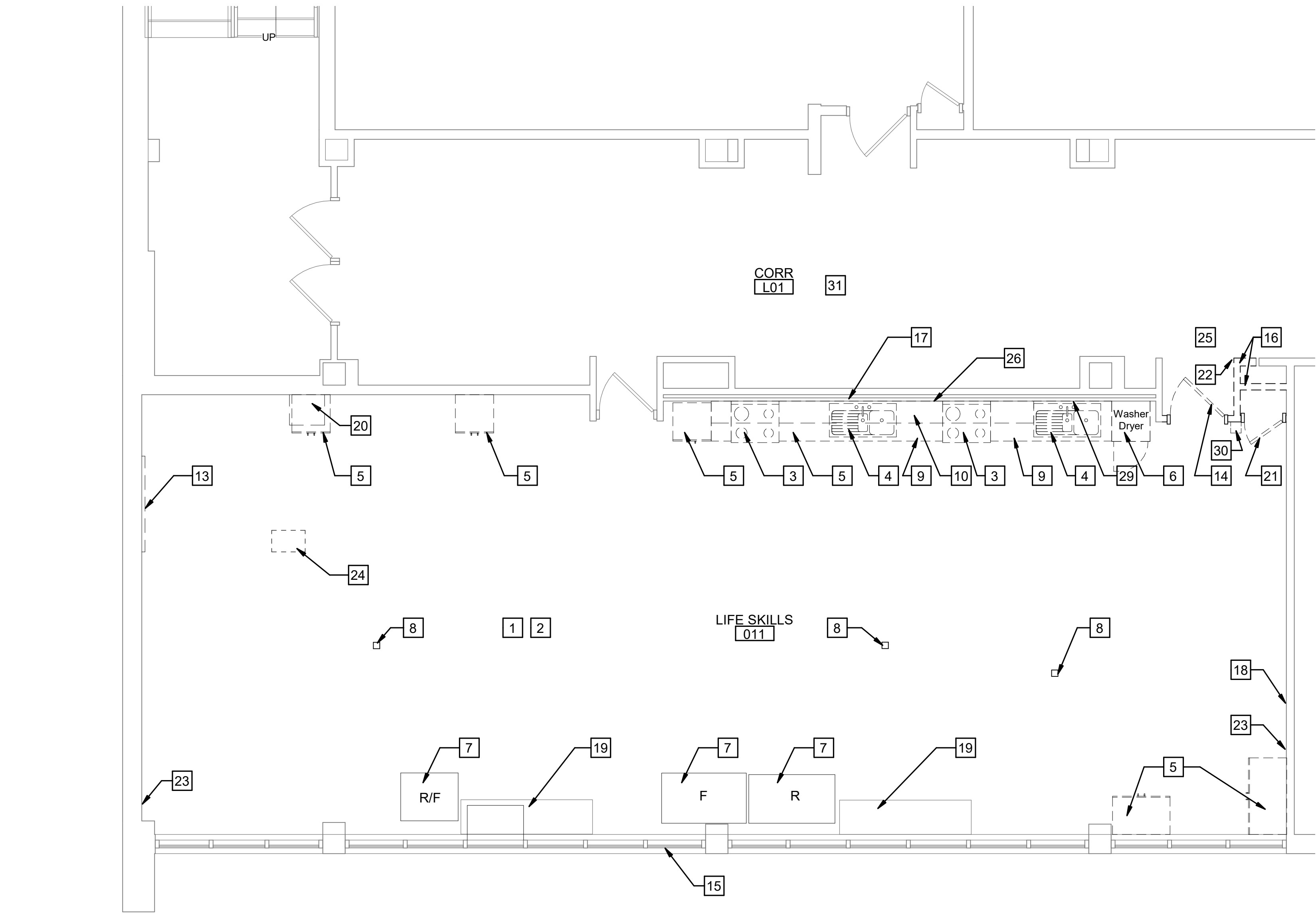
PLAN KEYNOTES.

1. PROVIDE FLOOR AND DUST PROTECTION, SEAL ALL DOORS, AND PROTECT LOCKERS WITH PLASTIC SHEETING DURING DEMOLITION AND CONSTRUCTION WHERE INDICATED.

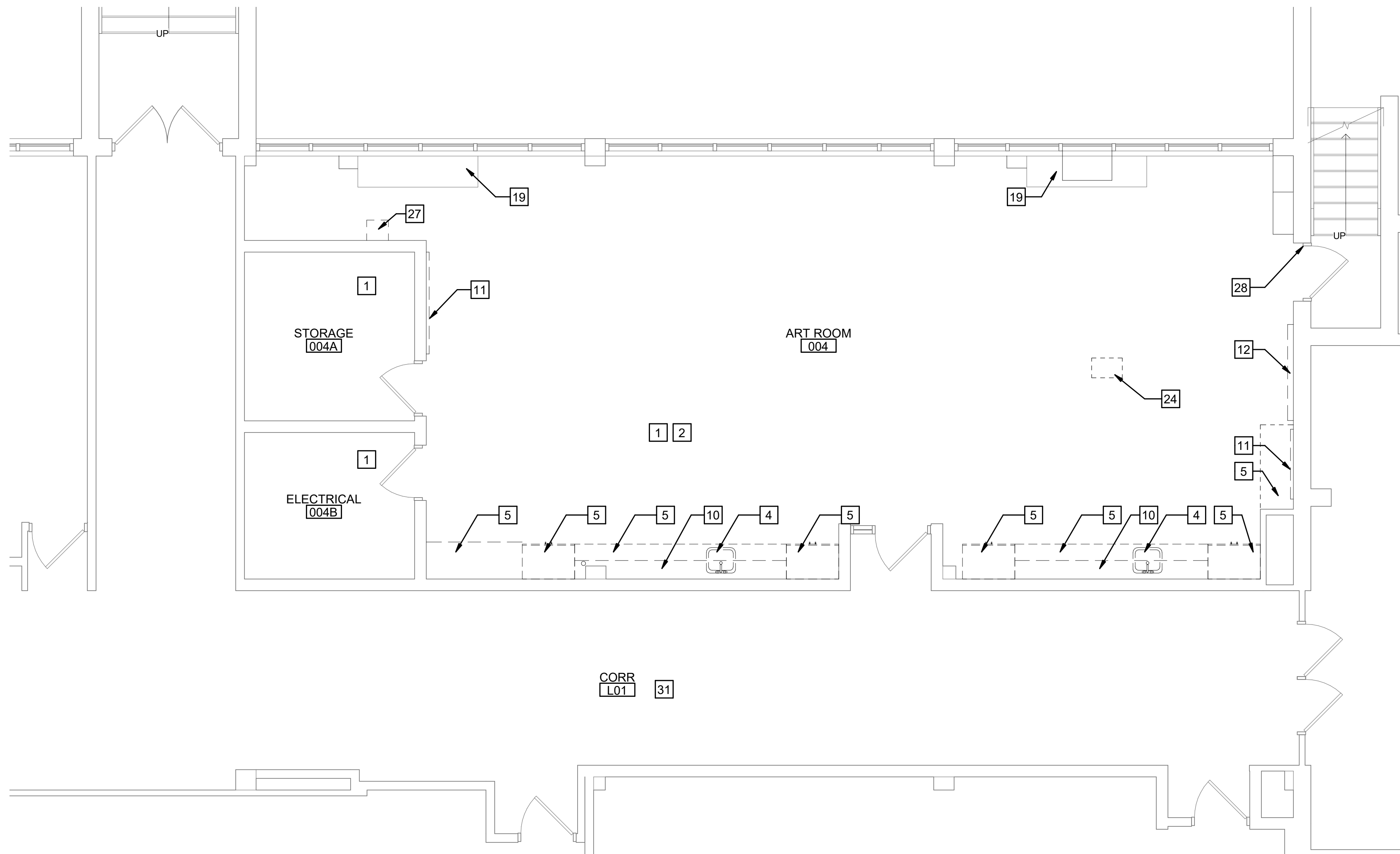
FIRE RATED SEPARATION LEGEND

- 1/2 HOUR / SMOKE
- 3/4 HOUR
- 1 HOUR
- 2 HOUR
- 3 HOUR





2 PARTIAL DEMOLITION PLAN
1/4" = 1'-0"
0' 2' 4' 8'



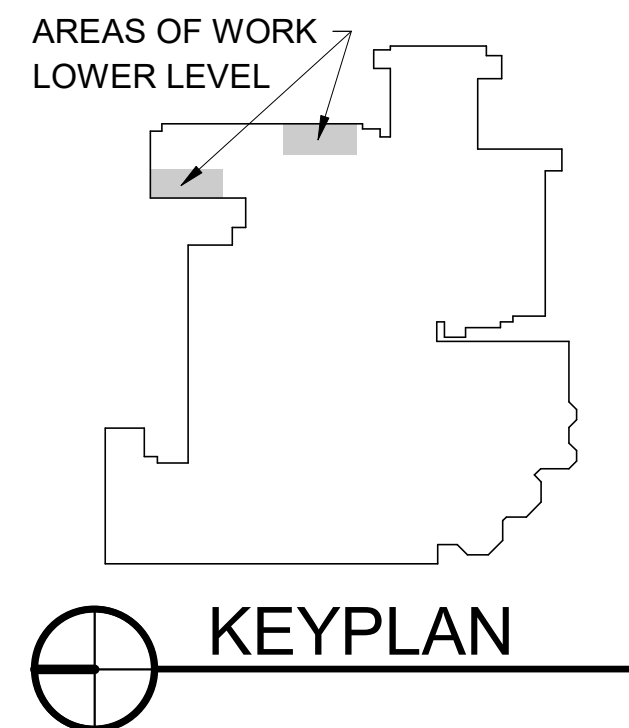
1 PARTIAL DEMOLITION PLAN
1/4" = 1'-0"
0' 2' 4' 8'

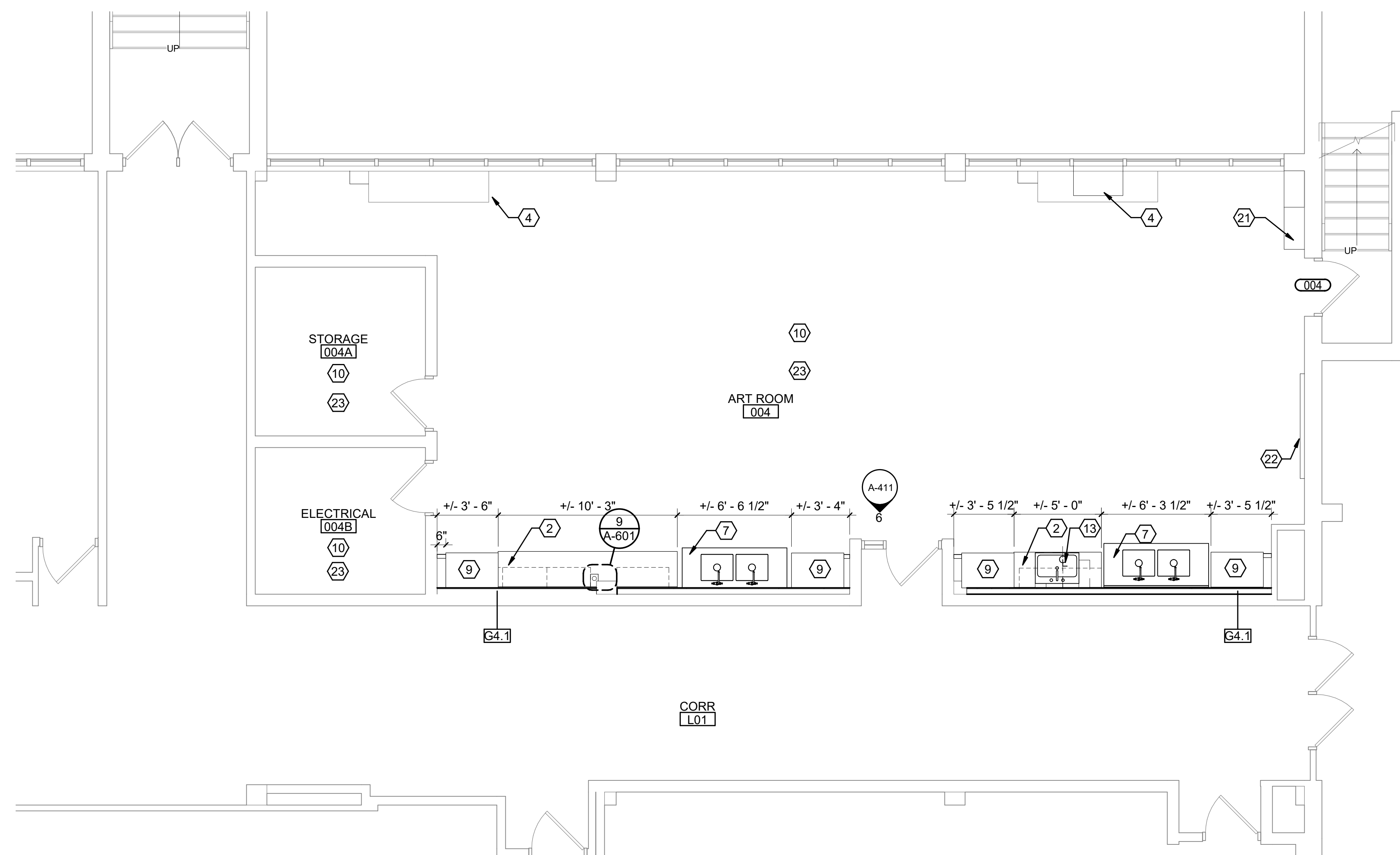
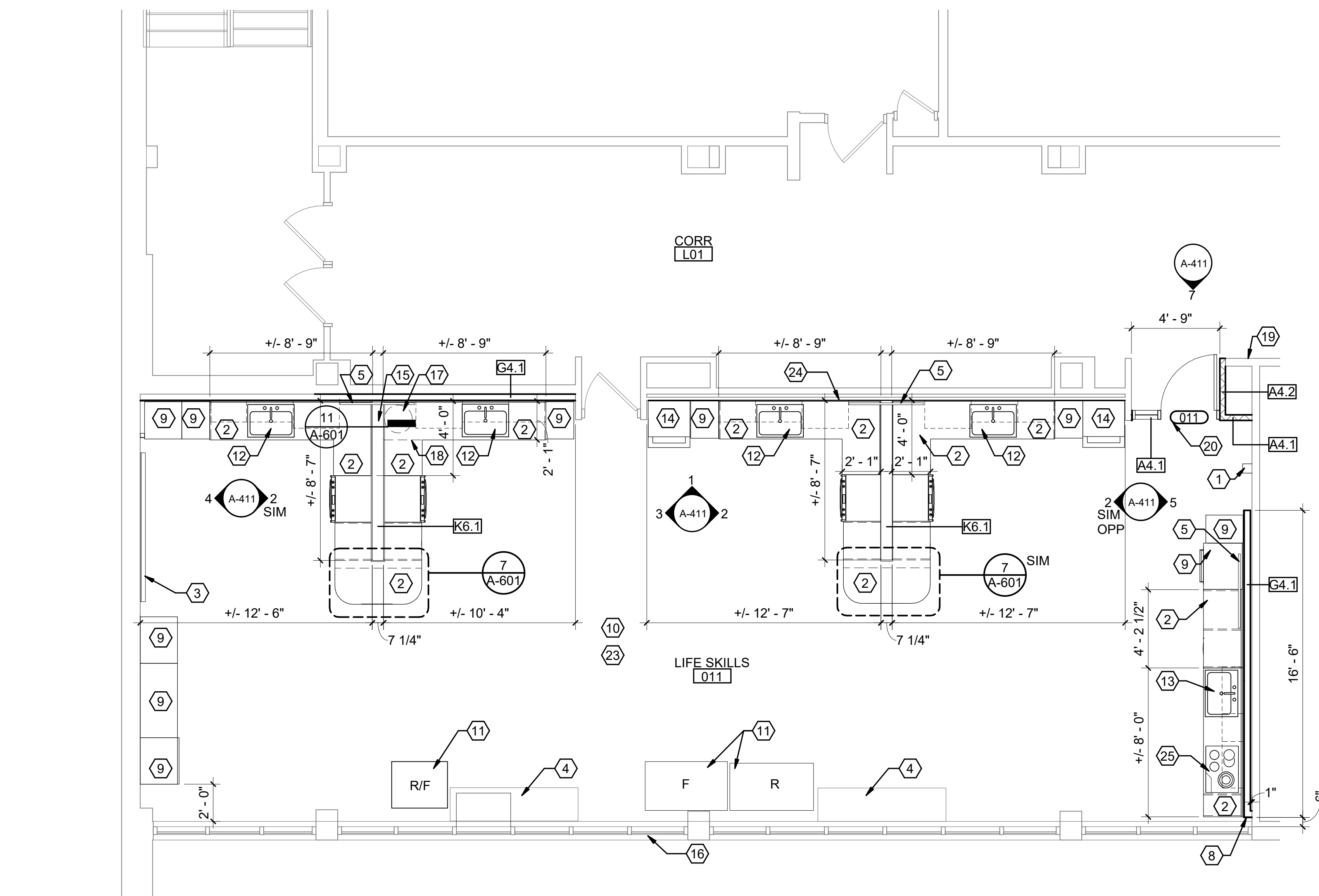
DEMOLITION PLAN GENERAL NOTES

- REFER TO SHEET A-000 FOR A LIST OF ABBREVIATIONS USED THROUGHOUT THESE DRAWINGS.
- DEMOLITION WORK SHOWN ON THE DRAWINGS IS TO INDICATE, IN A GENERAL MANNER, THE REMOVAL OF EXISTING CONSTRUCTION. IT IS NOT ALL INCLUSIVE. PROVIDE DEMOLITION AS REQUIRED TO ACCOMMODATE REMOVAL OF EXISTING OR INSTALLATION OF NEW WORK. REVIEW THE WORK OF ALL DISCIPLINES.
- REMOVE AND REINSTALL MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT AND COMPONENTS AS NECESSARY.
- REMOVE WALL ANCHORS, ADHESIVE, DAMAGED BLOCK AND/OR DAMAGED GYPSUM BOARD FINISH WHERE WALL MOUNTED COMPONENTS ARE REMOVED. REMOVE UNUSED FASTENERS AND ANCHORS FROM WALLS. PATCH OPENINGS IN DRYWALL AND CMU WALLS. TYP.
- SALVAGE EXISTING LOCKSETS AND TURN OVER TO OWNER.
- OWNER TO REMOVE BULBS FROM EXISTING LIGHT FIXTURES PRIOR TO DEMOLITION. COORDINATE WITH OWNER.

DEMO PLAN KEYNOTES

- REMOVE FLOORING AND RESILIENT BASE.
- REMOVE APC GRID, TILES, LIGHTS, AND OTHER CEILING MOUNTED ACCESSORIES. SPRINKLER HEADS TO BE RELOCATED. REFER TO FIRE PROTECTION DRAWINGS.
- REMOVE RANGE. SALVAGE AND RETURN TO OWNER.
- REMOVE COUNTER MOUNTED SINK.
- REMOVE CASEWORK AND/OR COUNTERTOP SHOWN DASHED, AND ASSOCIATED BACKSPASHES.
- REMOVE WASHING MACHINE AND DRYER COMBO. SALVAGE AND RETURN TO OWNER.
- REMOVE AND SALVAGE APPLIANCE FOR REINSTALLATION. PLACE IN STORAGE DURING WORK.
- REMOVE ELECTRICAL POWER POLE.
- REMOVE AND SALVAGE DISHWASHER. RETURN TO OWNER.
- REMOVE UPPER WALL MOUNTED CABINETS.
- REMOVE WALL MOUNTED TACK BOARD, ACCESSORIES, AND ADHESIVE.
- REMOVE AND SALVAGE WALL MOUNTED SMART BOARD FOR REINSTALLATION.
- REMOVE AND SALVAGE WALL MOUNTED PROJECTOR SCREEN. RETURN TO OWNER.
- REMOVE DOOR AND FRAME. SALVAGE LOCKSET AND CLOSER FOR REINSTALLATION.
- REMOVE GLAZED PANELS FOR INSTALLATION OF NEW DUCT ABOVE CEILING.
- REMOVE CMU BLOCK WALL SHOWN DASHED.
- REMOVE ALL DRYWALL AT EXISTING WALL. FRAMING TO REMAIN.
- REMOVE ALL ITEMS FROM WALL AND PREPARE SURFACE FOR NEW FURRING.
- EXISTING MECHANICAL TO REMAIN.
- REMOVE DOOR, FRAME, AND ASSOCIATED HARDWARE.
- REMOVE DOOR, FRAME, AND ASSOCIATED HARDWARE.
- SALVAGE CORRIDOR SIGNAGE AT DOOR FOR REINSTALLATION.
- REMOVE AND SALVAGE MIRROR AND SUPPORT BRACKET. RETURN TO OWNER.
- REMOVE AND SALVAGE CEILING MOUNTED PROJECTOR FOR REINSTALLATION.
- REMOVE A PORTION OF RESILIENT TILE AND BASE AS REQUIRED FOR NEW CONSTRUCTION.
- REMOVE AND SALVAGE ALL MOUNTED SHELVES, PAPERTOWEL BARS, AND OTHER ITEMS. TURN OVER TO OWNER.
- IT CABINET TO REMAIN. PROTECT WITH PLASTIC SHEETING DURING CONSTRUCTION. VERIFY EQUIPMENT HAS BEEN TURNED OFF PRIOR TO COVERING.
- REMOVE THRESHOLD.
- REMOVE SHELVES AND STANDARDS.
- REMOVE AND SALVAGE FIRE EXTINGUISHER.
- REMOVE PORTION OF EXISTING CEILING AS REQUIRED FOR NEW WORK. SALVAGE PANELS AND GRID FOR REINSTALL.





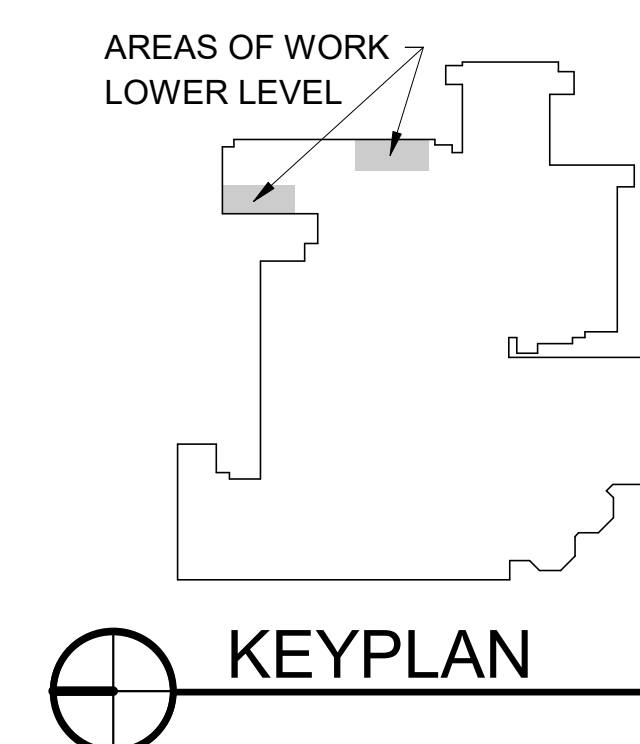
 PARTIAL FLOOR PLAN
1/4" = 1'-0" 0' 2' 4' 8'

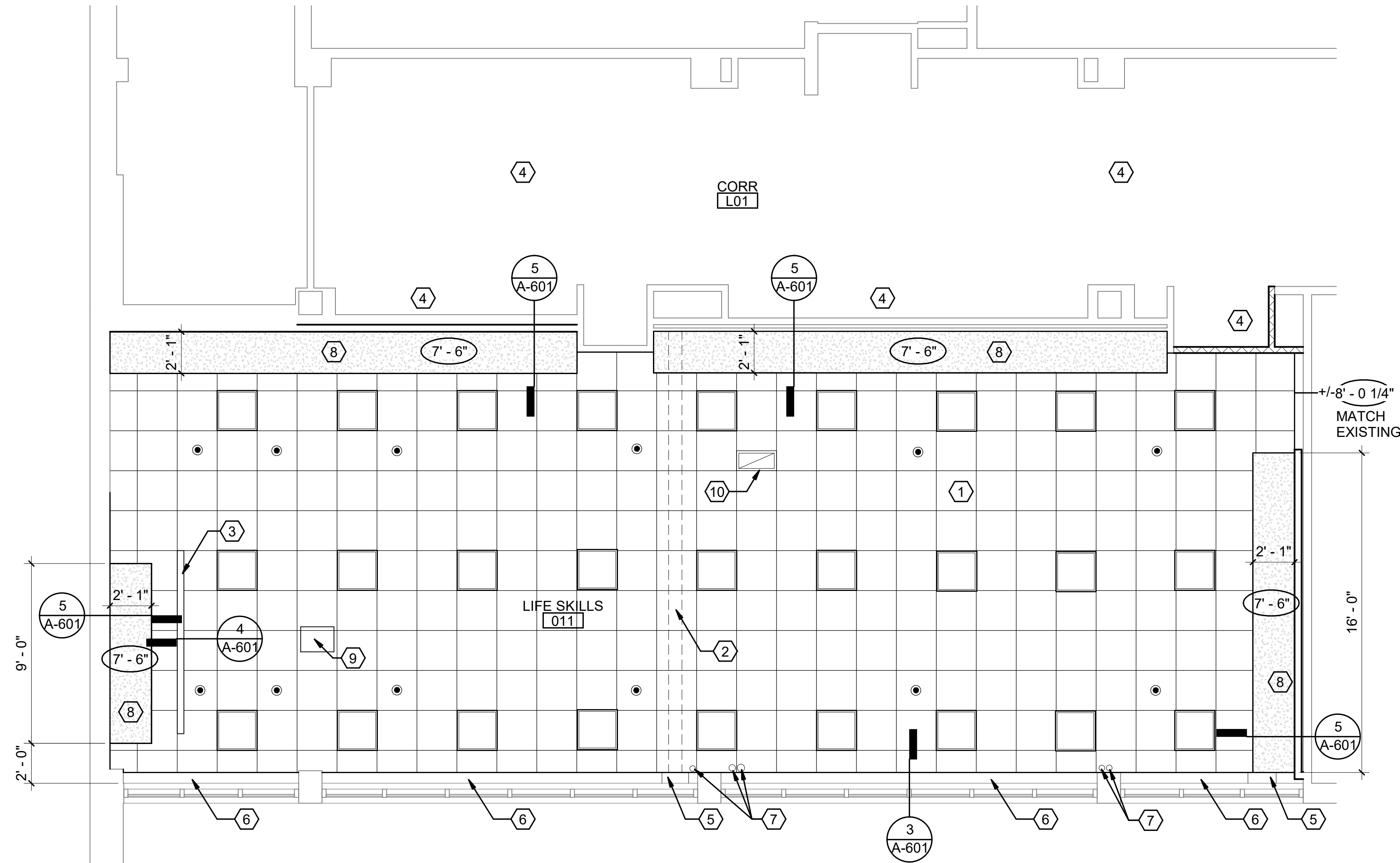
FLOOR PLAN GENERAL NOTES

1. REFER TO SHEET A-000 FOR A LIST OF ABBREVIATIONS USED THROUGHOUT THESE DRAWINGS.
2. SEE SHEET A-601 FOR PARTITION TYPES
3. SEAL PENETRATIONS THROUGH FLOOR SLABS AND WALLS WITH PENETRATION OR JOINT FIRESTOPPING.
4. WHERE ITEMS HAVE BEEN REMOVED, PREPARE EXISTING ADJACENT REMAINING SURFACES TO RECEIVE NEW FINISHES. PROVIDE NEW FINISHES AS SCHEDULED OR IF NOT SCHEDULED, MATCH SURFACES TO MATCH EXISTING.
5. WHERE MASONRY WALL OPENINGS ARE INDICATED TO BE FILLED IN, OPENINGS SHALL BE TOOTHED IN WITH MASONRY UNITS TO MATCH TYPE, COLOR, COURSING, SIZE AND TEXTURE. MASONRY INFILL THAT WILL BE COVERED WITH ANOTHER FINISH NEED NOT BE TOOTHED IN.
6. OUTSIDE CORNERS OF CMU WALLS WILL BE BULLNOSED UNLESS NOTED OTHERWISE.
7. MARKER BOARDS TO BE MOUNTED AT 2'-8" AFF TO MARKER TIES UNLESS NOTED OTHERWISE.
8. PROVIDE WOOD BLOCKING AS NEEDED TO SUPPORT NEW MILLWORK, TVS, AND OTHER APPLIANCES.
9. APPLIANCES FURNISHED BY OWNER, INSTALLED, INCLUDING FINAL CONNECTIONS BY CONTRACTOR.

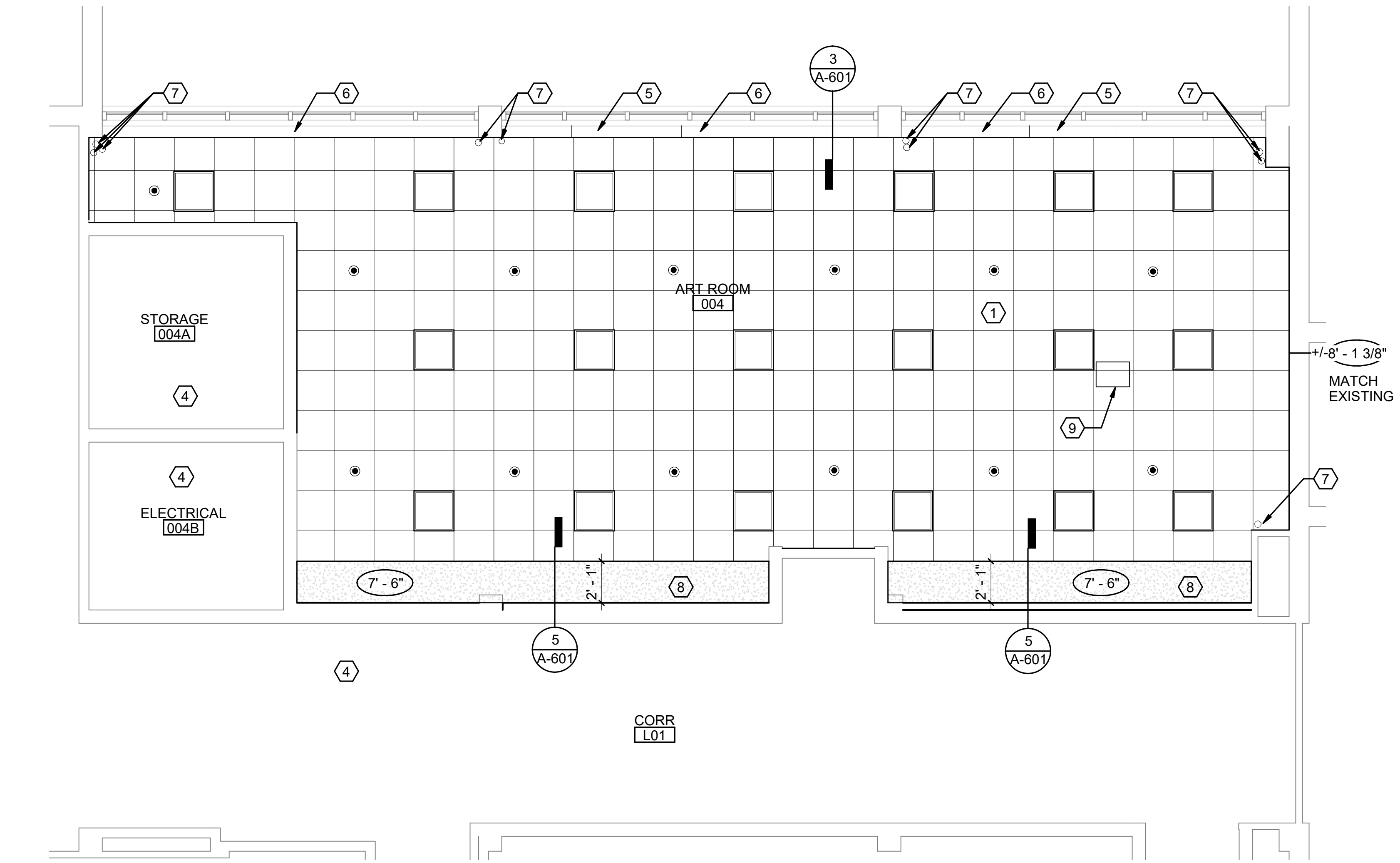
PLAN KEYNOTES

- 1 FIRE EXTINGUISHER TO REMAIN.
- 2 PROVIDE SOLID SURFACE COUNTER, BACKSPLASH, AND SIDE
- 3 SPLASH.
- 4 8'-0" WALL MOUNTED MARKER BOARD. OWNER TO FURNISH AND
- 5 CONTRACTOR TO INSTALL. CONFIRM LOCATION WITH OWNER.
- 6 EXISTING MECHANICAL TO REMAIN.
- 7 TV ON ADJUSTABLE WALL MOUNTED BRACKET. OWNER TO
- 8 FURNISH TV AND BRACKET. CONTRACTOR TO INSTALL. PROVIDE
- 9 BLOCKING IN WALL. COORDINATE HEIGHT WITH OWNER.
- 10 PROVIDE STAINLESS STEEL SINK UNIT. SINK TO BE CENTERED IN
- 11 OPENING.
- 12 PROVIDE FRY REGLET DMEC-4625 DRYWALL MOLDING END
- 13 CLOSURE. FINISH TO MATCH EXISTING DARK BRONZE WOOD
- 14 FRAME COLOR.
- 15 PROVIDE CASEWORK. SEE INTERIOR ELEVATIONS.
- 16 RESILIENT FLOORING AND BASE BY OWNER
- 17 REINSTALL SALVAGED APPLIANCES.
- 18 PROVIDE UNDERMOUNT SINK.
- 19 PROVIDE ADA SINK WITH REQUIRED CLEARANCE.
- 20 OWNER TO FURNISH AND CONTRACTOR TO INSTALL
- 21 WASHER/DRYER COMBINATION.
- 22 PROVIDE 30" TALL OPENING IN KNEE WALL AT SANITARY EJECTOR
- 23 PIT. COORDINATE WITH PLUMBING. REFERENCE DETAIL 11/A-601
- 24 PROVIDE (2) TWO GL-2 INSULATED METAL INFILL PANELS AT
- 25 EXISTING UPPER FIXED WINDOW. GLAZING IN LOWER OPERABLE
- 26 SASH TO REMAIN. PROVIDE 1/8" INFILL PANELS TO MATCH EXISTING
- 27 FRAME COLOR AND FINISH. VERIFY ALL DIMENSIONS IN FIELD.
- 28 PROVIDE SEALANT AROUND DUCT PENETRATION AND AROUND
- 29 INFILL PANELS. EXISTING ROLLER SHADE TO BE LOWERED BELOW
- 30 METAL INFILL PANEL.
- 31 PROVIDE EJECTOR PIT AND PUMP PER PLUMBING DRAWINGS.
- 32 CONTRACTOR TO COORDINATE LOCATION OF EJECTOR PIT WITH
- 33 CASEWORK AND WALL FRAMING TO PROVIDE REQUIRED
- 34 CLEARANCE WITHIN BLIND CORNER CABINET.
- 35 PROVIDE 18" W X 22" H OPENING IN SIDE PANEL OF BASE CABINET.
- 36 PROVIDE 20" W X 24" H 16 GAUGE STAINLESS STEEL PANEL
- 37 FASTENED TO SIDE OF CABINET.
- 38 REINSTALL SALVAGED SIGNAGE IN CORRIDOR.
- 39 PROVIDE 1.3X2X3/8 LONG LEG VERTICAL (LLV) + L2 1/2X1 1/2X1/4 LLV
- 40 BACK-TO-BACK ANGLE BRACE AND NEW HOLLOW METAL FRAME.
- 41 PROVIDE 4" BEARING ON EACH END.
- 42 PATCH AND PAINT DRYWALL ENCLOSURE AT FLOOR LEVEL.
- 43 REINSTALL SALVAGED SMART BOARD.
- 44 PATCH AND PAINT ALL WALLS, COLUMNS, AND DOOR FRAMES TYP.
- 45 WOOD ROOM.
- 46 EXISTING FRAMING TO BE MODIFIED AS NECESSARY FOR ROUGH
- 47 MECHANICAL, ELECTRICAL, PLUMBING, AND WOOD BLOCKING.
- 48 PROVIDE 5/8" MOISTURE RESISTANT DRYWALL.
- 49 OWNER FURNISHED COOKTOP. INSTALLED, INCLUDING FINAL
- 50 CONNECTIONS BY CONTRACTOR.





1 PARTIAL REFLECTED CEILING PLAN
1/4" = 1'-0" 0' 2' 4' 8'



2 PARTIAL REFLECTED CEILING PLAN
1/4" = 1'-0" 0' 2' 4' 8'

REFLECTED CEILING LEGEND

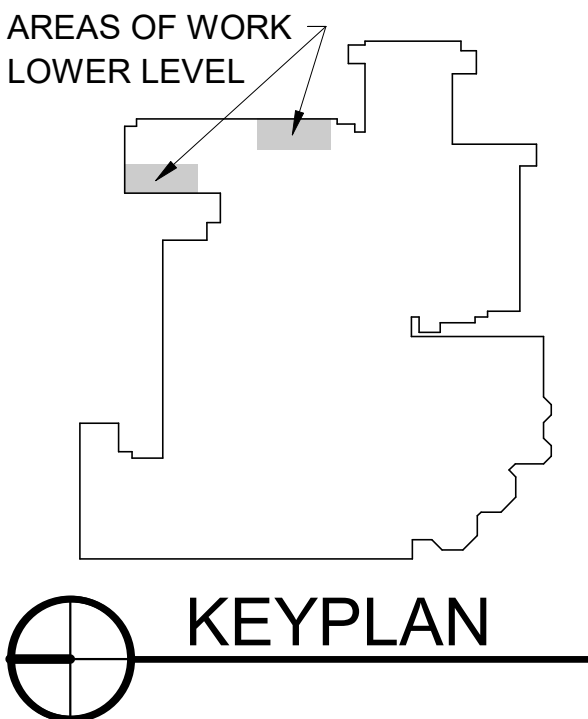
- 9'-0" CEILING ELEVATION TAG
- SUSPENDED ACOUSTICAL PANEL CEILING ACP #1
- GYPSUM/PLASTER, SEE FINISH SCHEDULE
- RECESSED 2x2 LIGHT FIXTURE
- EXHAUST GRILL
- SPRINKLER HEAD, LOCATE ON CENTER OF CEILING PANEL

CEILING PLAN GENERAL NOTES

- REFER TO SHEET A-000 FOR A LIST OF ABBREVIATIONS USED THROUGHOUT THESE DRAWINGS.
- REFER TO MECHANICAL, ELECTRICAL, AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL DEVICES NOT SHOWN HERE AND FOR ADDITIONAL WORK THAT IS NOT INDICATED ON THESE PLANS AND COORDINATE.
- IN AREAS WITH ACOUSTICAL PANEL CEILINGS, LIGHT FIXTURES, DIFFUSERS, GRILLES, SMOKE DETECTORS, SPRINKLER HEADS, AND OTHER CEILING MOUNTED DEVICES AND EQUIPMENT TO BE CENTERED IN PANELS UNLESS NOTED OTHERWISE.
- REMOVE AND REINSTALL CEILING MOUNTED DEVICES, FIXTURES AND OTHER APPURTENANCES AS NECESSARY TO DO THE WORK.
- CENTER APC GRID IN ROOM U.N.O.
- MATCH EXISTING CEILING ELEVATIONS, V.I.F.
- PATCH CEILING GRID AND CEILING PANELS AS REQUIRED FOR NEW VENT PIPING THROUGH FIRST AND SECOND FLOOR CEILINGS. REFER TO PLUMBING DRAWINGS FOR LOCATIONS.

CEILING PLAN KEYNOTES

- PROVIDE APC AND LIGHTS WITHIN ROOM.
- NEW DUCT ABOVE CEILING.
- PROVIDE CEILING MOUNTED PROJECTOR SCREEN.
- PATCH AND REINSTALL CEILING GRID AND LIGHT FIXTURES WHERE AFFECTED BY WORK. PROVIDE NEW CEILING GRID AND CEILING PANELS TO MATCH EXISTING WHERE NECESSARY.
- COPE CEILING FASCIA PANEL AROUND DUCT.
- PAINT EXPOSED DUCTS AND BEAMS.
- COPE CEILING AROUND PIPES.
- GYPSUM BOARD SOFFIT, PAINT.
- REINSTALL SALVAGED PROJECTOR, PROVIDE 2'X2' PEERLESS-AV PRGS-455 PROJECTOR MOUNT KIT WITH CMJ455 SUSPENDED CEILING PLATE KIT.
- NEW GRILLE. REFER TO MECHANICAL DRAWINGS.



DRAWN	CHECKED	
ENW	GP	
ISSUE DATE		
27 SEP 2021		
REVISION SCHEDULE		
NUMBER	DESCRIPTION	DATE

PROJECT NUMBER	
13100-2021014	
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CASEWORK SCHEDULE

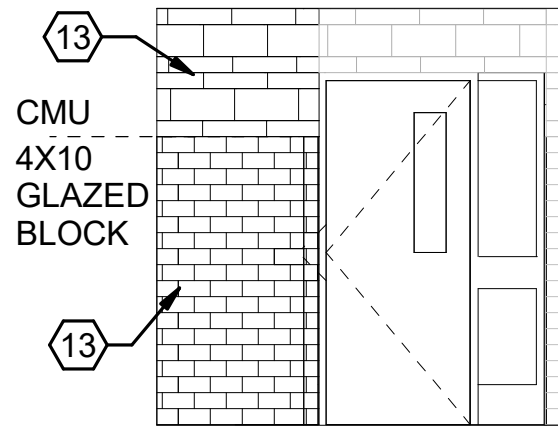
TAG	AWI	DESCRIPTION	WIDTH	HEIGHT	DEPTH	# OF SHELVES	COMMENTS
B15B	254	BASE CABINET W/ 4 DRAWERS	1' - 3"	2' - 10"	2' - 0"	-	3
B18A	101	BASE CABINET W/ DOOR	1' - 6"	3' - 0"	2' - 0"	-	1, 3
B18B	230	BASE CABINET W/ 3 DRAWERS	1' - 6"	2' - 10"	2' - 0"	-	3
B24A	102	BASE CABINET W/ DOORS	2' - 0"	3' - 0"	2' - 0"	1	3
B24B	230	BASE CABINET W/ 4 DRAWERS	2' - 0"	3' - 0"	2' - 0"	-	3
B24C	102	BASE CABINET W/ DOORS	2' - 0"	3' - 0"	1' - 0"	1	3
B30A	102	BASE CABINET W/ DOORS	2' - 6"	3' - 0"	2' - 0"	1	3
B30E	-	ADA SINK BASE	2' - 6"	2' - 8 3/4"	2' - 0"	-	-
B30F	-	BUILT-IN OVEN CABINET W/ 6" DRAWER	2' - 6"	3' - 6"	2' - 0"	-	3, 4
B36A	102	BASE CABINET W/ DOORS	3' - 0"	3' - 0"	2' - 0"	1	3
B42D	176	BASE CORNER CABINET	3' - 6"	3' - 0"	2' - 0"	1	3
T18A	401	TALL CABINET W/ DOOR	1' - 6"	7' - 6"	2' - 0"	5	-
T24A	401	TALL CABINET W/ DOOR	2' - 0"	7' - 6"	2' - 0"	5	-
T30A	402	TALL CABINET W/ DOORS	2' - 6"	7' - 6"	2' - 0"	5	2
T30B	402	TALL CABINET W/ DOORS	2' - 6"	4' - 0"	2' - 0"	5	2, 3
T36A	402	TALL CABINET W/ DOORS	3' - 0"	7' - 6"	2' - 0"	5	-
T48A	402	TALL CABINET W/ DOORS	4' - 0"	7' - 6"	2' - 0"	5	2
U18A	301	UPPER CABINET W/ DOOR	1' - 6"	2' - 0"	1' - 2"	1	-
U24D	302	UPPER CABINET W/ DOORS	2' - 0"	3' - 0"	1' - 2"	2	-
U30A	302	UPPER CABINET W/ DOORS	2' - 6"	2' - 0"	1' - 2"	1	-
U30B	326	UPPER CABINET W/ DOORS AND OPEN SHELF	2' - 6"	3' - 6"	1' - 2"	1	-
U30C	302	UPPER CABINET W/ DOORS	2' - 6"	2' - 6"	1' - 2"	1	-
U30D	302	UPPER CABINET W/ DOORS	2' - 6"	3' - 0"	1' - 2"	1	-
U36D	302	UPPER CABINET W/ DOORS	3' - 0"	3' - 0"	1' - 2"	1	-

CASEWORK SCHEDULE GENERAL NOTES

1. PROVIDE FILLER PANEL AT ALL LOCATIONS BETWEEN CASEWORK AND WALL.
2. PROVIDE 4" HIGH BACKSPLASH AND END SPLASHES AT COUNTERTOP LOCATIONS.
3. PROVIDE COUNTERTOP 1" DEEPER THAN BASE CABINET DEPTH.
4. COORDINATE W/ELECTRICAL FOR OUTLET AND DEVICE LOCATIONS.
5. COORDINATE PLUMBING AND ELECTRICAL ROUGH-IN LOCATIONS WITH CASEWORK MANUFACTURER'S REQUIREMENTS.
6. REFER TO FLOOR PLANS FOR ADDITIONAL CASEWORK AND INFORMATION PERTAINING TO SIMILAR CONDITIONS.
7. NUMBERS IN THE AWI COLUMN IN THE CASEWORK SCHEDULE REFER TO THE CABINET DESIGN SERIES AS REFERENCED BY THE ARCHITECTURAL WOODWORK INSTITUTE STANDARDS.
8. SHELVES IN UNITS OVER 36" WIDE SHALL BE 1" THICK.
9. COORDINATE ALL APPLIANCE CLEARANCES WITH CASEWORK.
10. PROVIDE FINISHED PLASTIC LAMINATE PANEL AT ALL EXPOSED FACES OF CASEWORK.

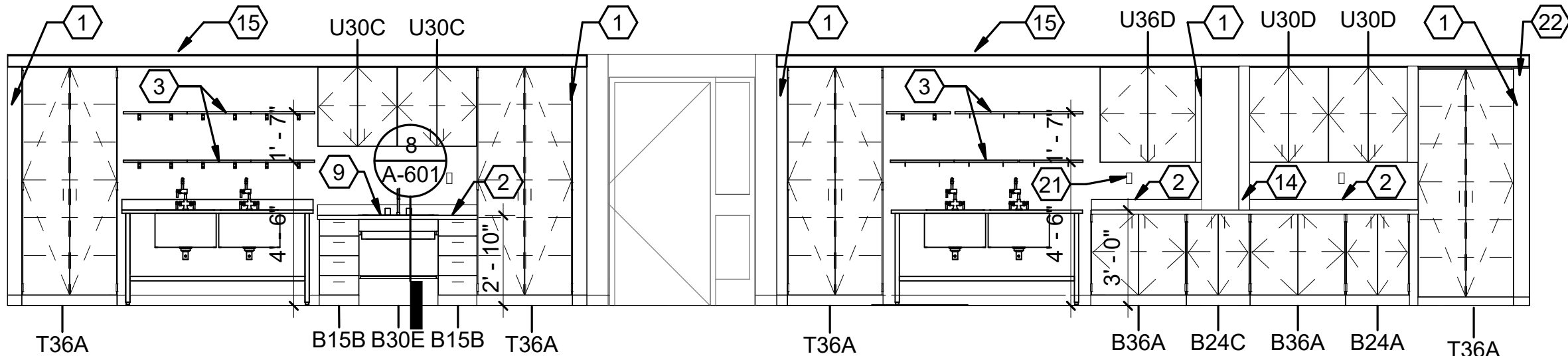
CASEWORK SCHEDULE COMMENTS

1. PROVIDE REMOVEABLE SIDE PANEL FOR ACCESS TO EJECTOR PIT.
2. DOORS TO HAVE MARKERBOARD LAMINATE FINISH.
3. HEIGHT IS NOMINAL AND IS MEASURED TO THE TOP OF COUNTER.
4. PROVIDE NECESSARY SUPPORT FOR BUILT-IN OVEN.



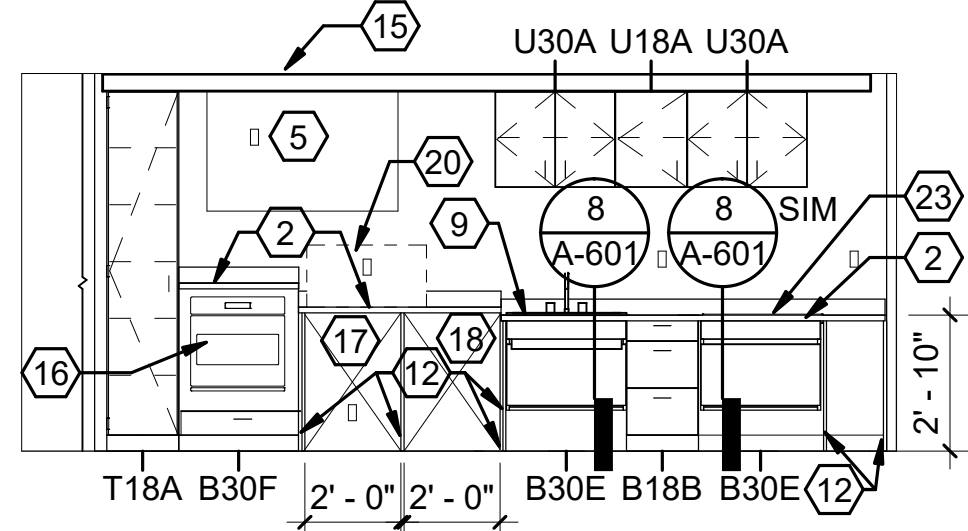
7 CORRIDOR WEST ELEVATION

1/4" = 1'-0"



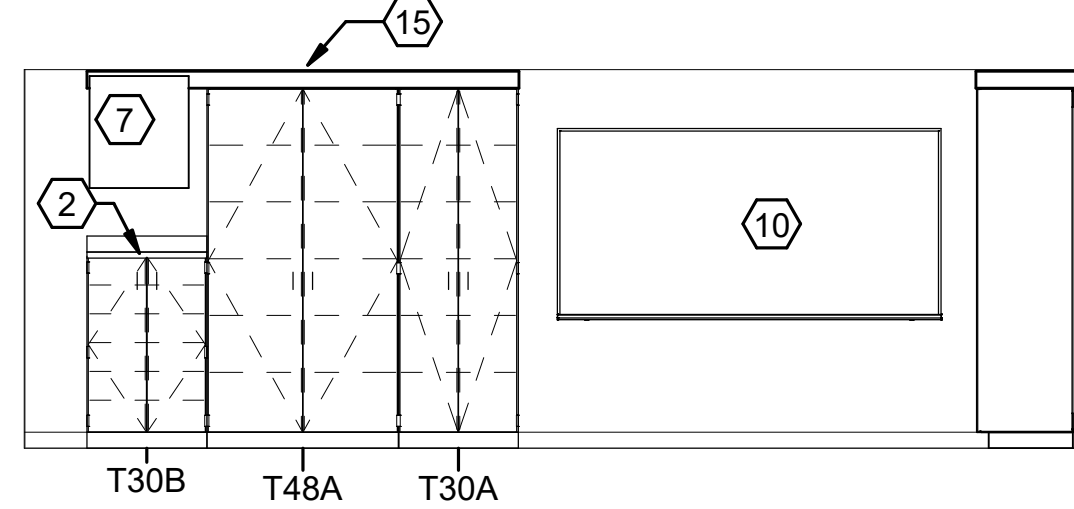
6 ART ROOM 004 WEST ELEVATION

1/4" = 1'-0"



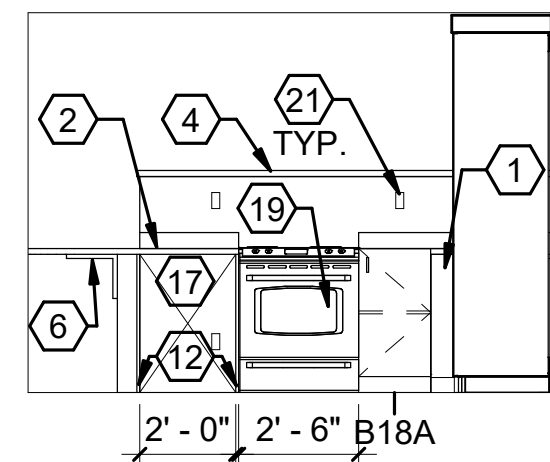
5 LIFE SKILLS 011 SOUTH ELEVATION

1/4" = 1'-0"



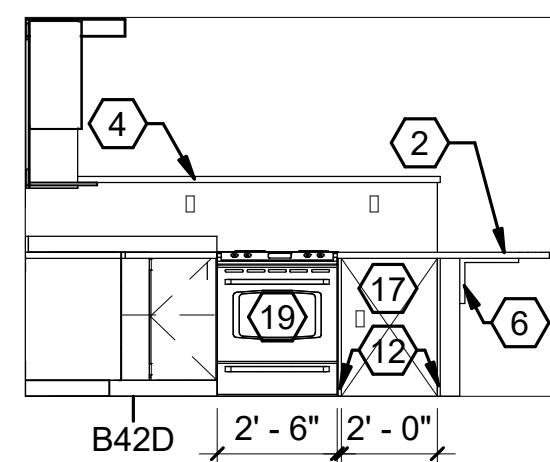
4 LIFE SKILLS 011 NORTH ELEVATION

1/4" = 1'-0"



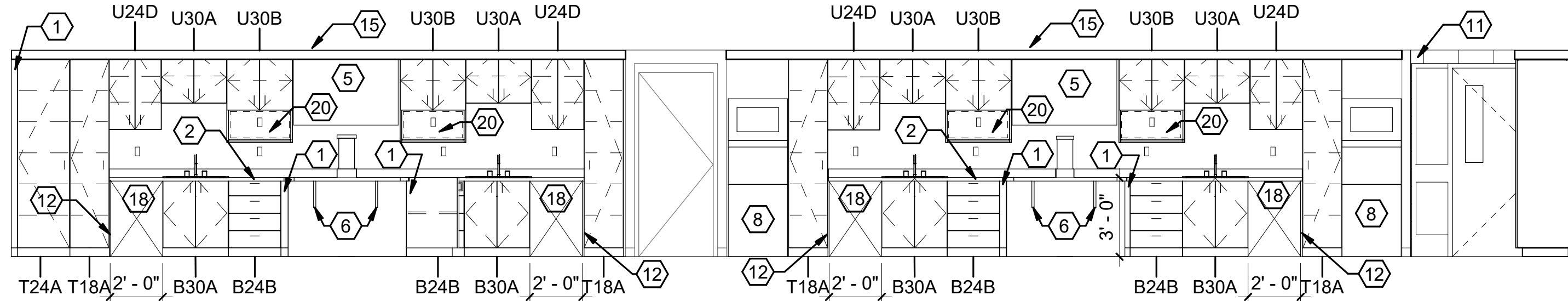
3 LIFE SKILLS STATION 2 ELEVATION

1/4" = 1'-0"



2 LIFE SKILLS 011 STATION ELEVATION, TYP

1/4" = 1'-0"



1 LIFE SKILLS 011 EAST ELEVATION

1/4" = 1'-0"

INTERIOR ELEVATION KEYNOTES

1. PROVIDE FILLER PANEL. VERIFY DIMENSIONS IN FIELD.
2. PROVIDE SOLID SURFACE COUNTER TOP AND 4" BACKSPLASH AND END SPLASH ON CASEWORK.
3. PROVIDE REGENCY 16 GAUGE STAINLESS STEEL 12" X 72" HEAVY DUTY SOLID WALL SHELF WITH SUPPORT BRACKETS ITEM # 600WS1272HD, OR APPROVED EQUAL. PROVIDE WOOD BLOCKING IN WALL AT SUPPORT BRACKET LOCATIONS.
4. SOLID SURFACE ON TOP OF KNEE WALL.
5. WALL MOUNTED TV ON ADJUSTABLE BRACKET FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.
6. PROVIDE 18" X 18" STEEL SUPPORT BRACKET.
7. REINSTALL SALVAGED IT CABINET. VERIFY LOCATION PRIOR TO INSTALL.
8. OWNER FURNISHED WASHER / DRYER COMBINATION. INSTALLED, INCLUDING ELECTRICAL, PLUMBING, AND FINAL CONNECTING BY CONTRACTOR.
9. ADA SINK.
10. MARKER BOARD.
11. CMU BLOCK WITH STEEL LINTEL ABOVE DOOR. PAINT.
12. PROVIDE 3/4" PLASTIC LAMINATE END PANEL COUNTER SUPPORT.
13. TOOTH IN GLAZED BLOCK AND CMU BLOCK TO EXISTING. MATCH EXISTING BLOCK COURSING.
14. EXISTING PIPE TO BE BOXED OUT WITH PLASTIC LAMINATE ENCLOSURE.
15. GYPSUM BOARD SOFFIT. PAINT.
16. OWNER FURNISHED OVEN. INSTALLED, INCLUDING FINAL CONNECTIONS BY CONTRACTOR.
17. OWNER FURNISHED UNDERCOUNTER REFRIGERATOR INSTALLED BY CONTRACTOR.
18. OWNER FURNISHED DISHWASHER. INSTALLED, INCLUDING FINAL CONNECTIONS BY CONTRACTOR.
19. OWNER FURNISHED RANGE. INSTALLED, INCLUDING FINAL CONNECTIONS BY CONTRACTOR.
20. OWNER FURNISHED MICROWAVE INSTALLED BY CONTRACTOR.
21. DUPLEX CONVENIENCE OUTLET. CONTRACTOR TO INSTALL AT 44" A.F.F. TYP. REFER TO ELECTRICAL DRAWINGS.
22. RECESS FILLER PANEL TO CLEAR WALL MOUNTED CLOCK / SPEAKER VERIFY LOCATION IN FIELD.
23. OWNER FURNISHED COOKTOP. INSTALLED, INCLUDING FINAL CONNECTIONS BY CONTRACTOR.

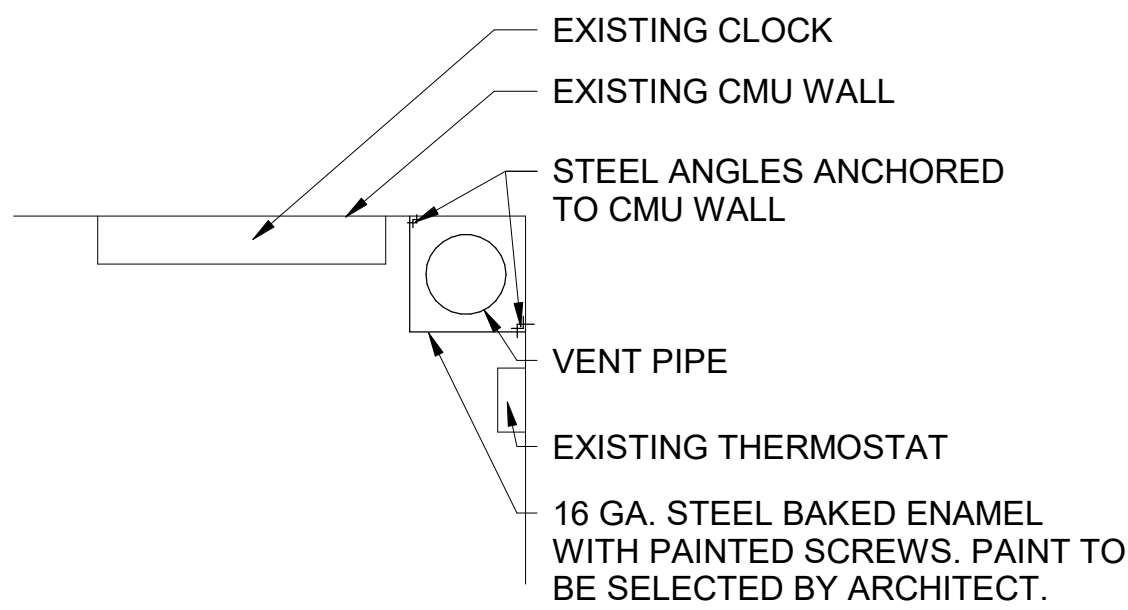
FINISH SCHEDULE													
ROOM		FLOOR		WALL								CEILING	
NO	NAME	FIN	BASE	MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN	MATL	FIN
011	LIFE SKILLS			EXIST	PT-1	GYP	PT-1	EXIST	PT-1	EXIST	PT-1	APC-1 / GYP. BD.	-
004	ART ROOM			EXIST	PT-1	EXIST	PT-1	EXIST	PT-1	EXIST	PT-1	APC-1 / GYP. BD.	-

FINISH SCHEDULE GENERAL NOTES

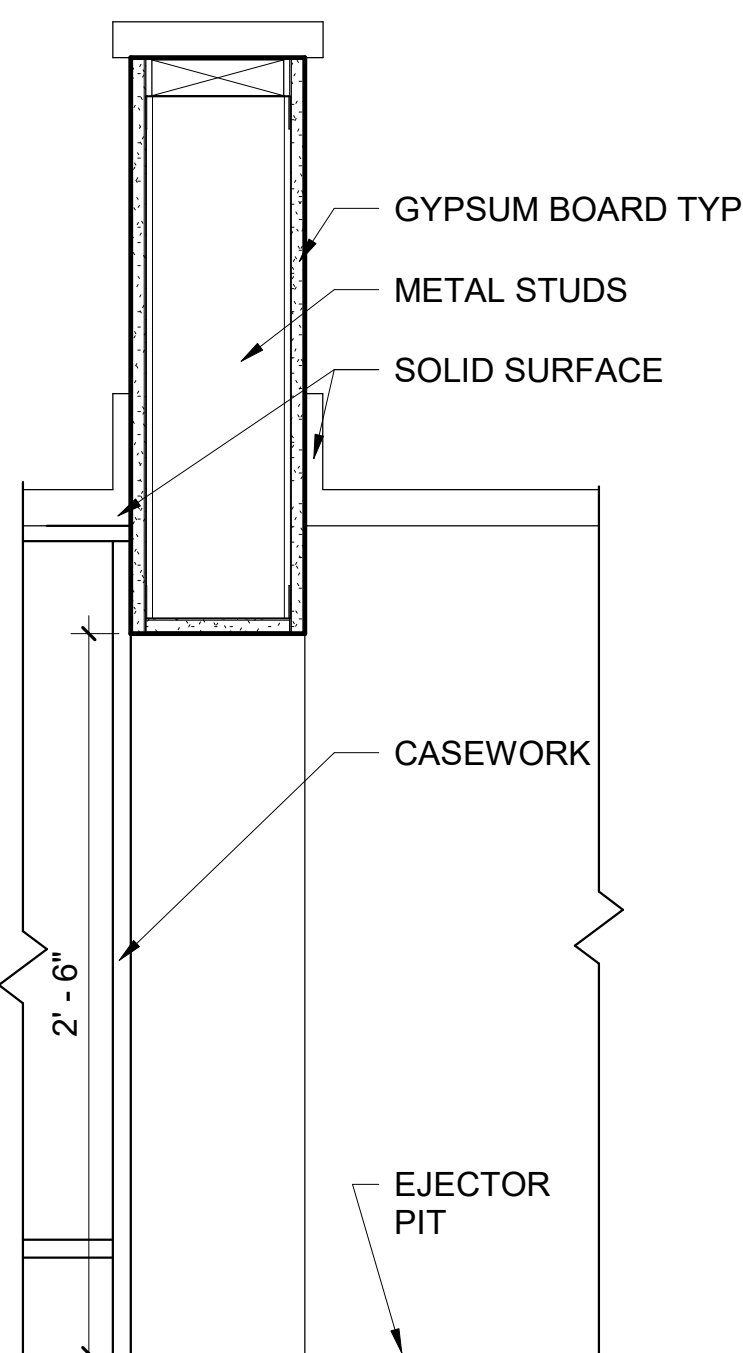
- PAINT DOOR FRAMES PT-2
- PAINT SOFFITS PT-3

FINISH SCHEDULE LEGEND

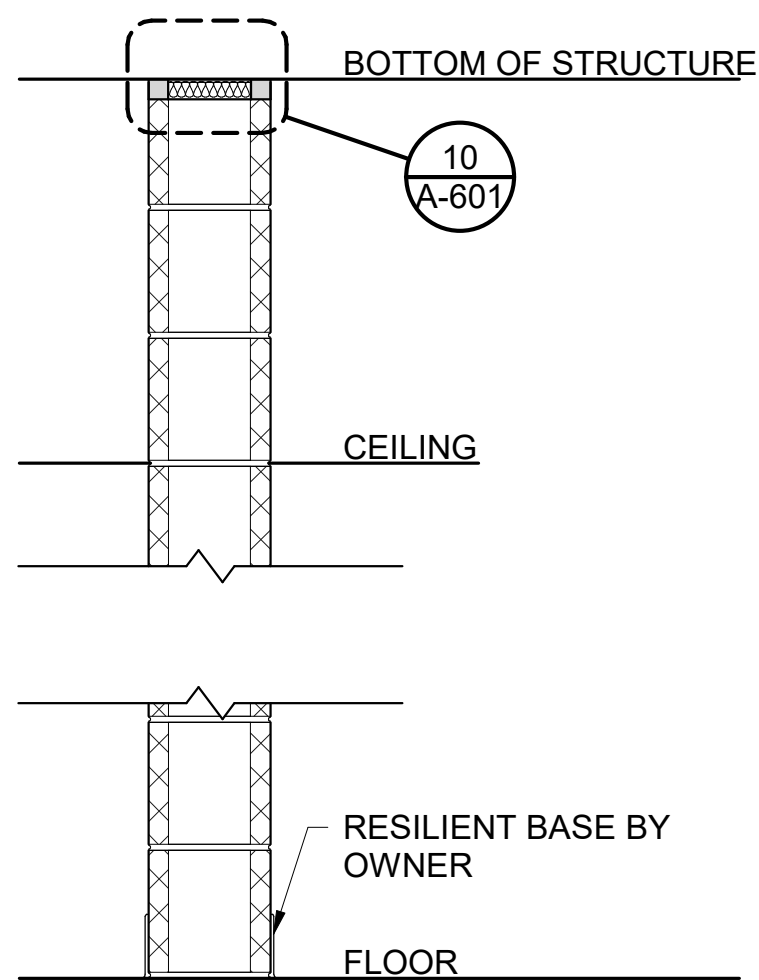
- PT-1 SW7638 ORIGAMI WHITE - EGGSHELL
PT-2 TO BE SELECTED BY ARCHITECT
PT-3 TO BE SELECTED BY ARCHITECT



12 ROOMS 211 & 311 PIPE ENCLOSURE DETAIL 1" = 1'-0"



11 KNEE WALL DETAIL 1 1/2" = 1'-0"

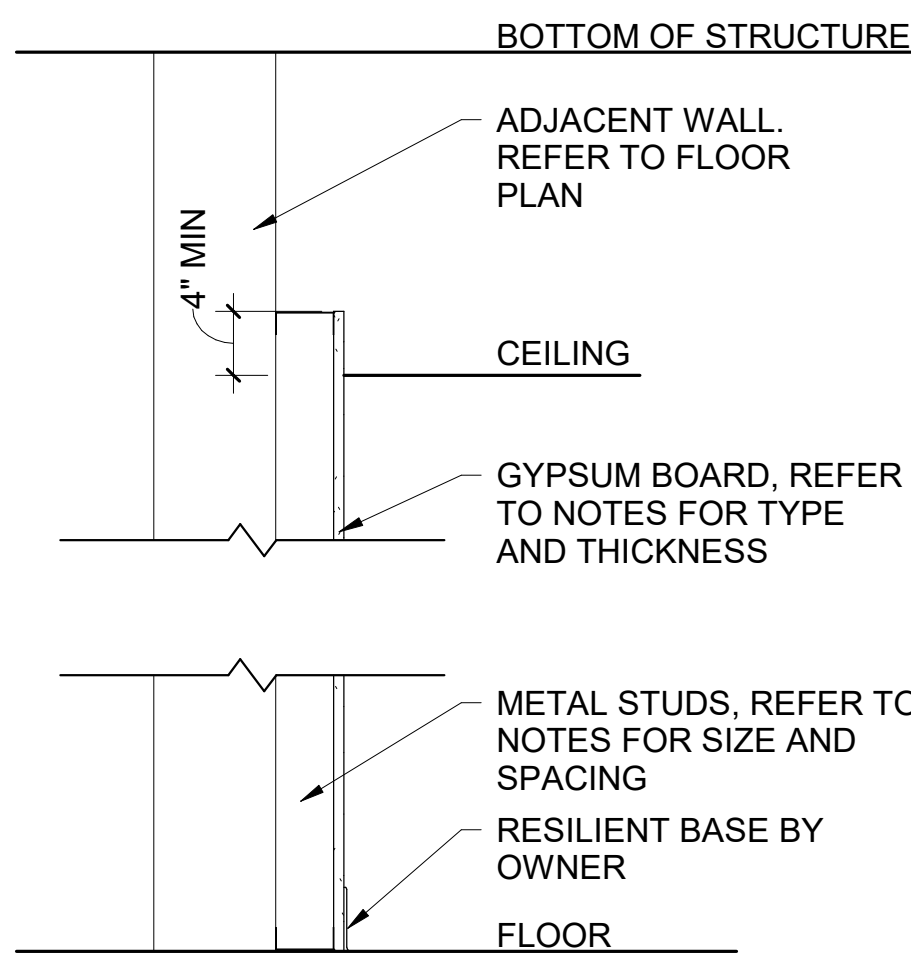


PARTITION TYPE A

FULL HEIGHT, FIRE RATED, CMU PARTITION

TYPE	THICKNESS	RATING (HRS)	U.L. DESIGN	NOTES
A4.1	3 5/8"	1	U905	

NOTES:



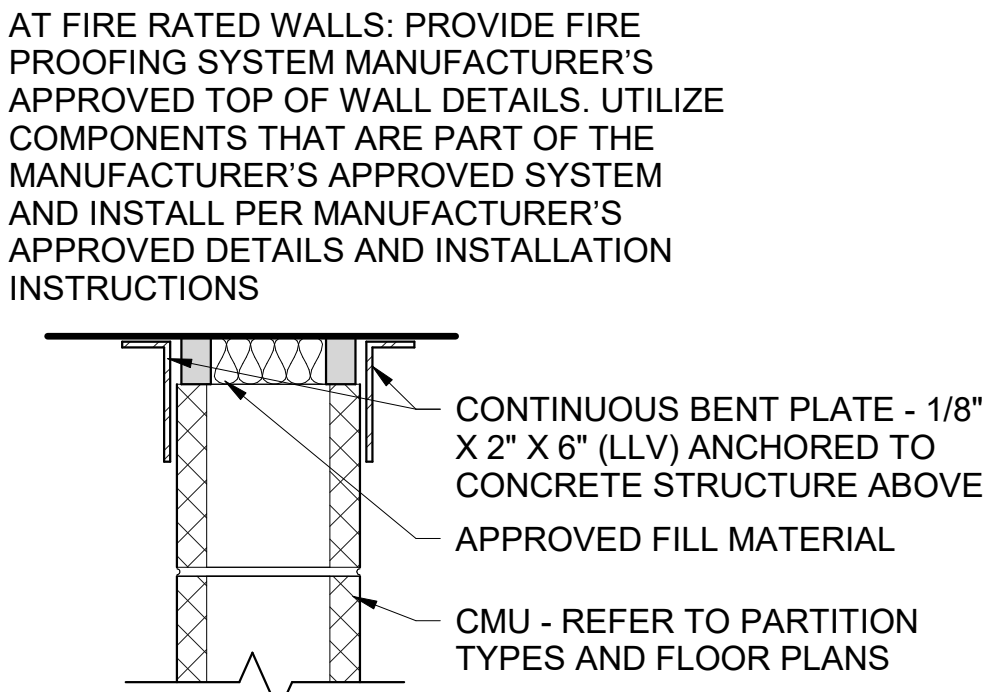
PARTITION TYPE G

PARTIAL HEIGHT FURRED GYPSUM BOARD PARTITION

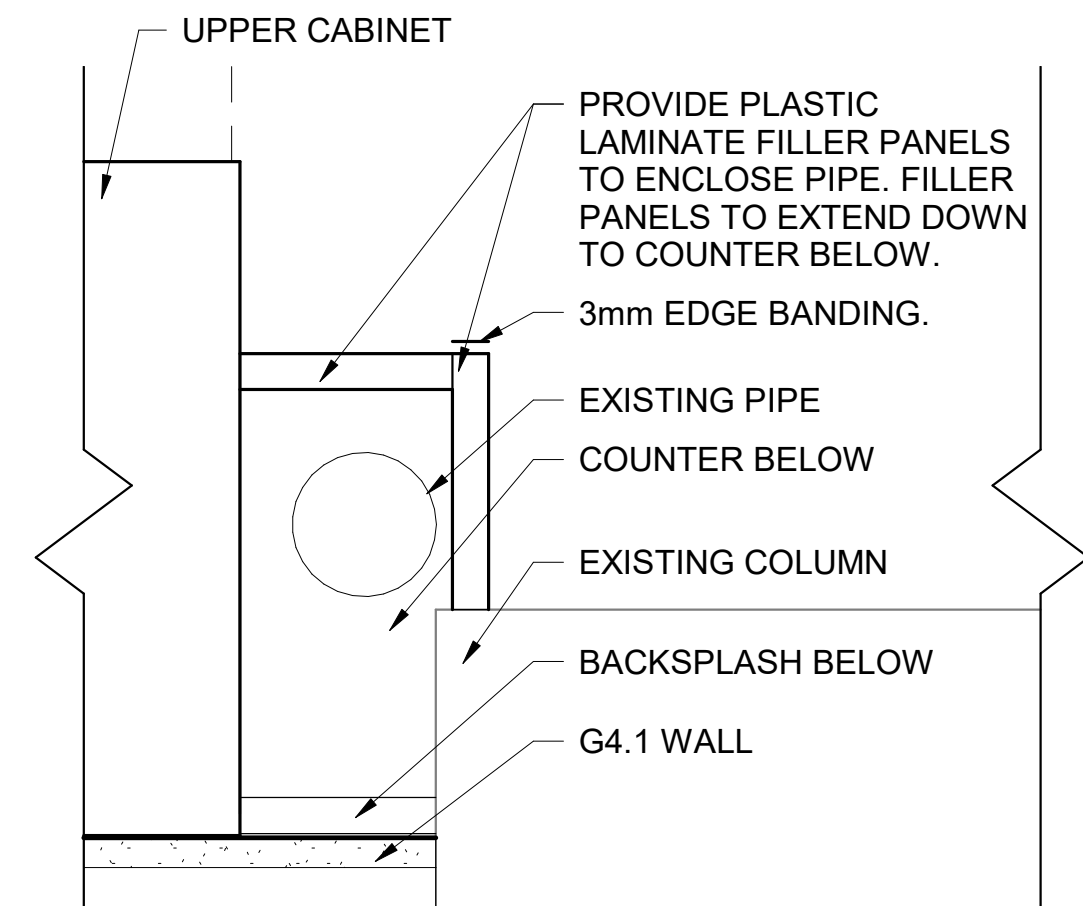
TYPE	STUD SIZE	NOTES
G4.1	6"	1, 2

NOTES:

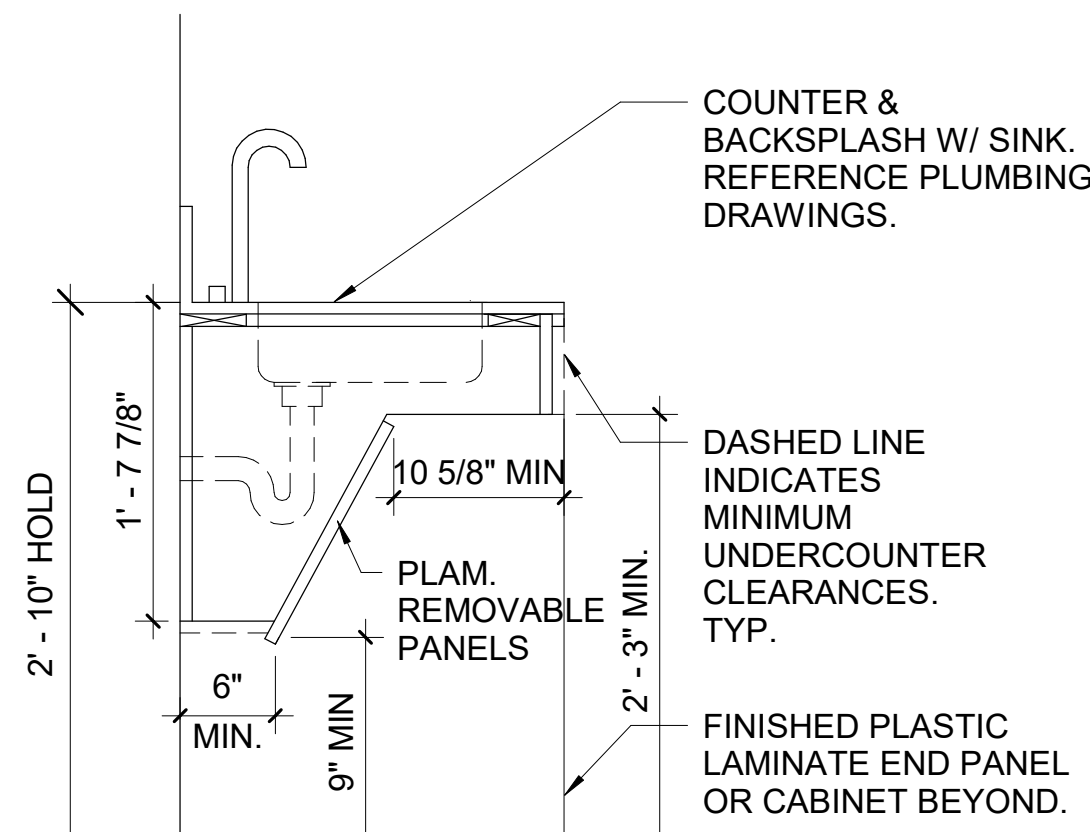
- STUDS SPACED 16" OC
- 1 LAYER, 5/8" GYPSUM BOARD



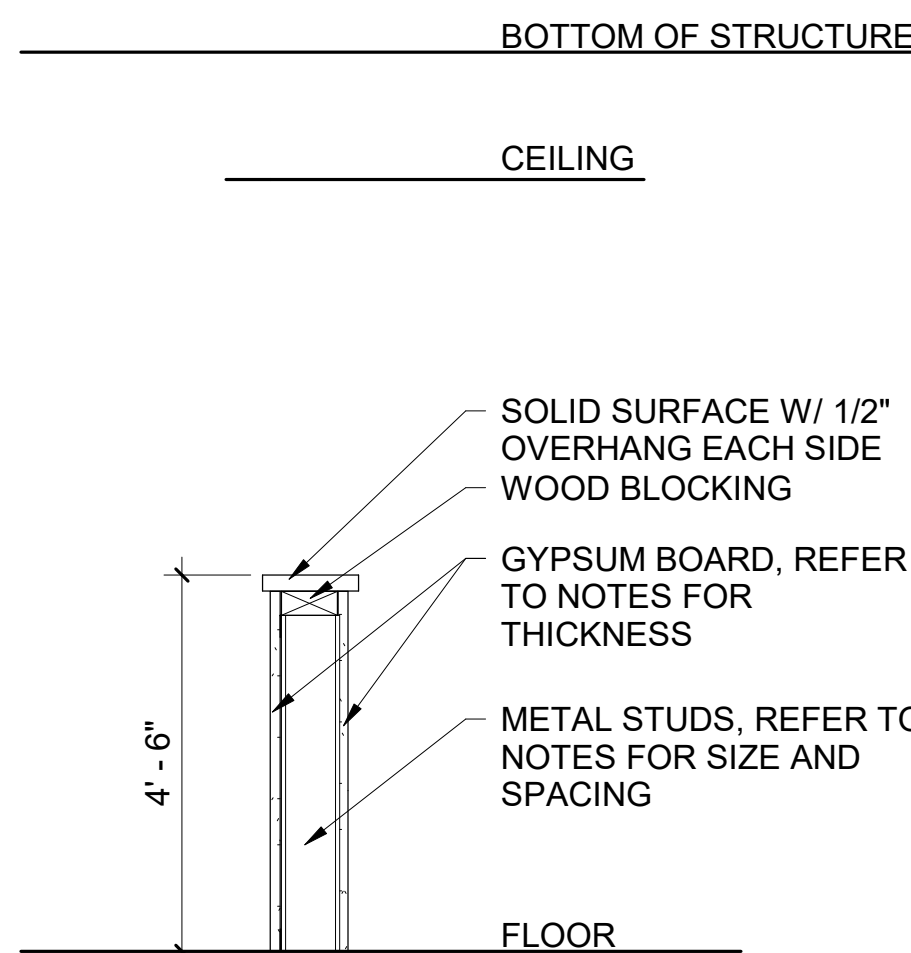
10 FIRE RATED TOP OF WALL 1 1/2" = 1'-0"



9 PIPE ENCLOSURE DETAIL 3" = 1'-0"



8 ADA SINK DETAIL 1" = 1'-0"



PARTITION TYPE K

PARTIAL HEIGHT GYPSUM BOARD KNEE WALL

TYPE	STUD SIZE	NOTES
K6.1	6"	1, 2

NOTES:

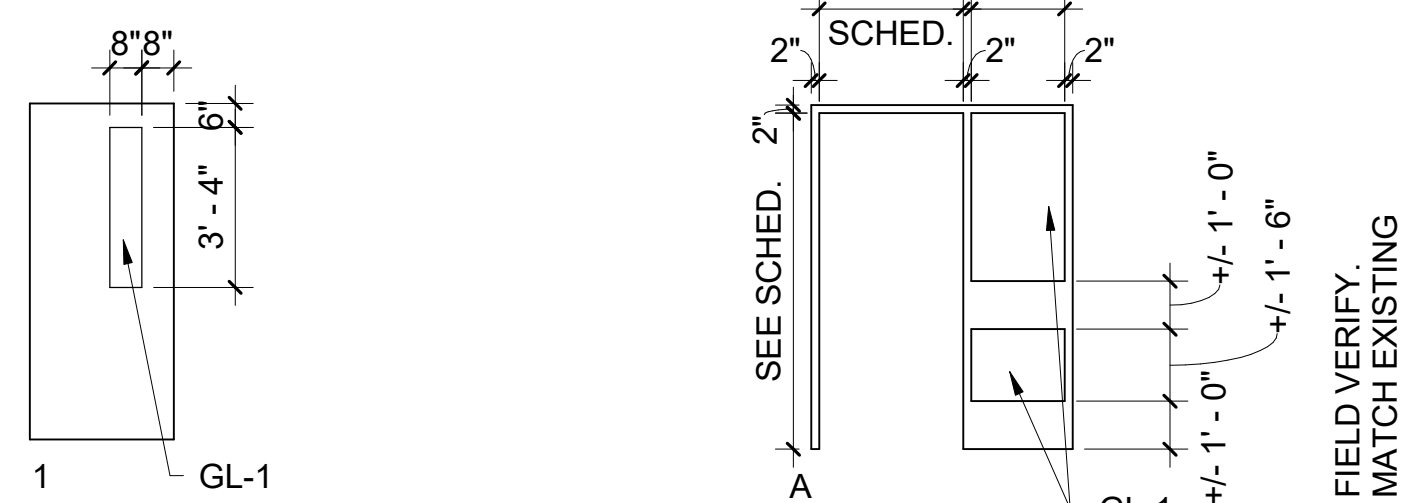
- STUDS SPACED 16" OC
- 1 LAYER, 5/8" GYPSUM BOARD

OPENING SCHEDULE

NO	DOOR					FRAME					FIRE RATING LABEL	GLASS	REMARKS
	SIZE			MATL	ELEV	MATL	ELEV	DETAILS					
	LEAF	W	H					HEAD	JAMB	SILL			
004	1	-	-	EX. HM	-	EX. HM	-	-	-	-	-	-	2
011	1	3' - 0"	7' - 2"	WD	1	HM	A	2/A-601	1/A-601	-	45 MIN	GL-1	1

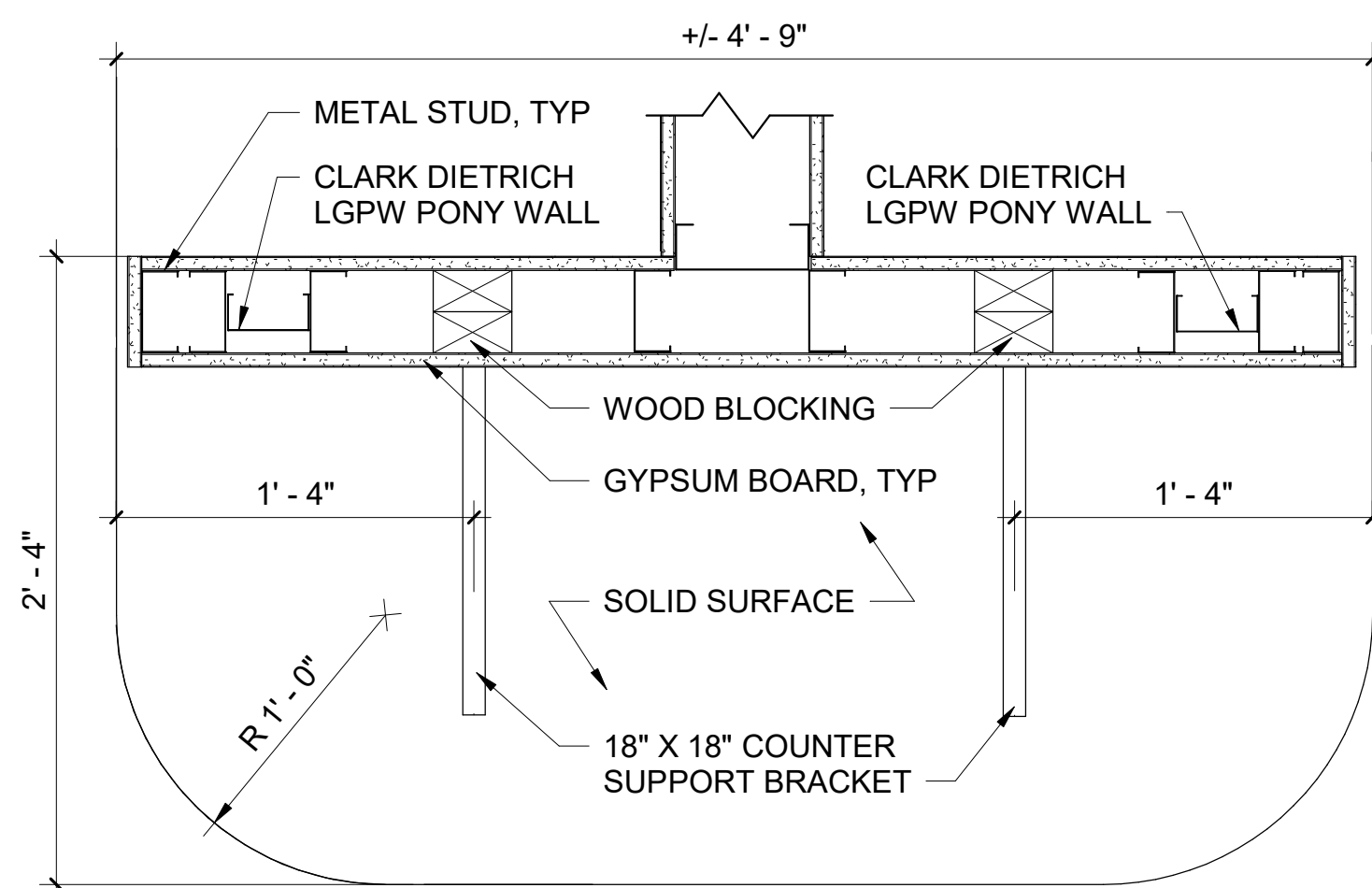
OPENING SCHEDULE GENERAL NOTES

- REFER TO SHEET A-000 FOR A LIST OF ABBREVIATIONS, SYMBOLS AND LEGENDS USED THROUGHOUT THESE DRAWINGS
- REFER TO GLAZING SPECIFICATION FOR GLAZING SCHEDULE
- WOOD DOORS ARE 1 3/4" THICK UNLESS NOTED OTHERWISE
- PAINT EXPOSED STEEL LINTELS
- PAINT HOLLOW METAL FRAMES
- PROVIDE KICK PLATE ON EXISTING DOORS IN LIFE SKILLS AND ART ROOM.
- FINISH TO MATCH EXISTING.

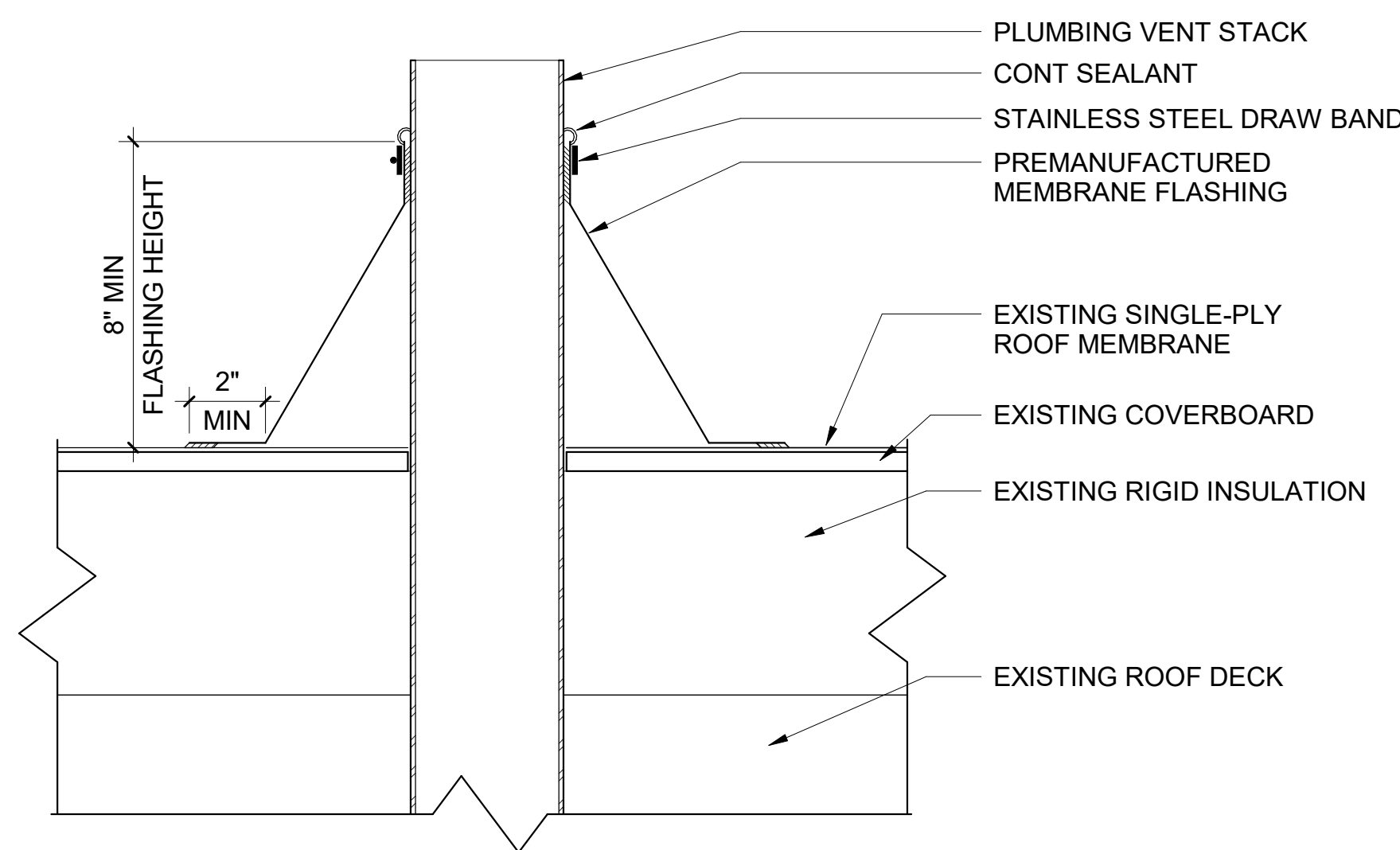


DOOR ELEVATIONS

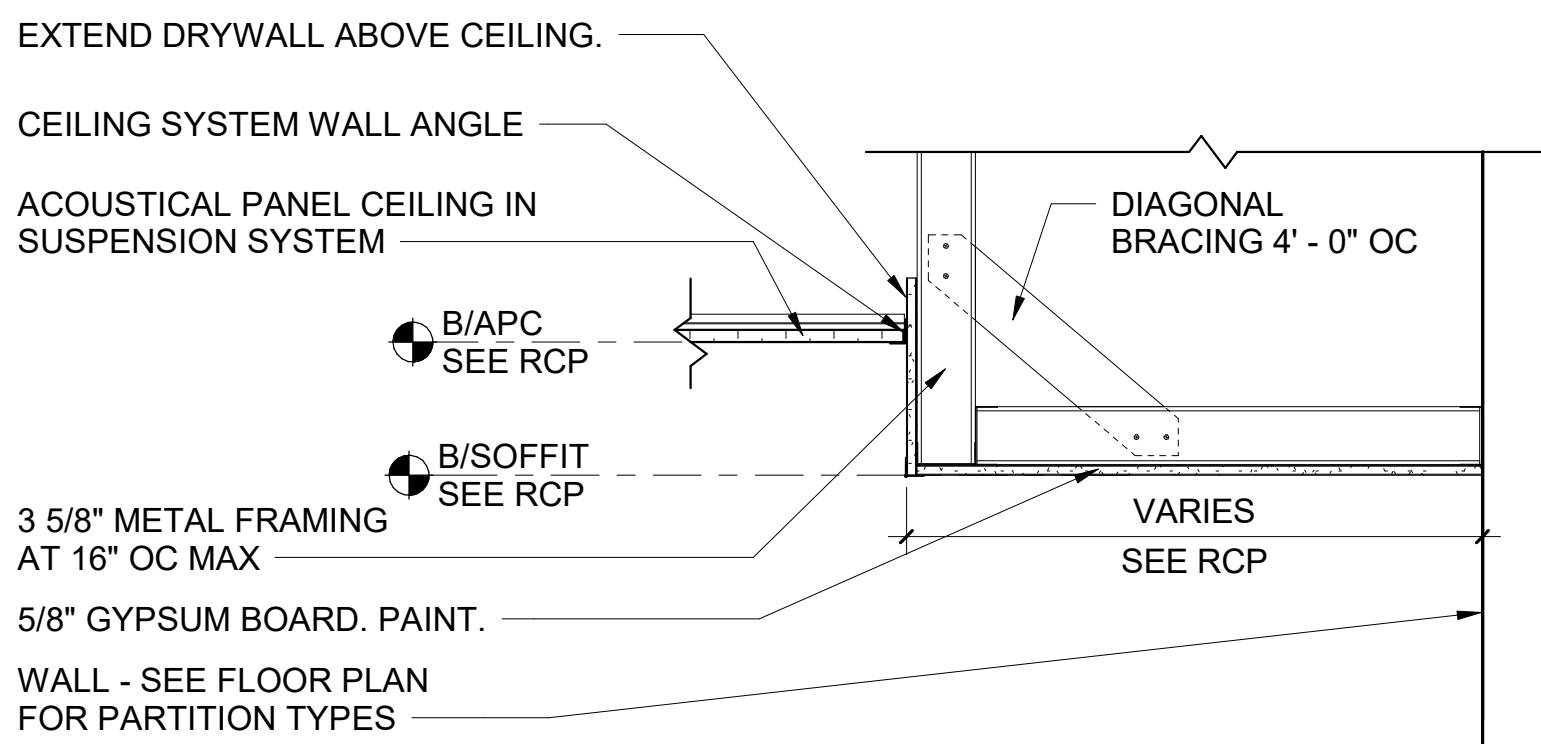
FRAME ELEVATIONS



7 PLAN DETAIL 1 1/2" = 1'-0"



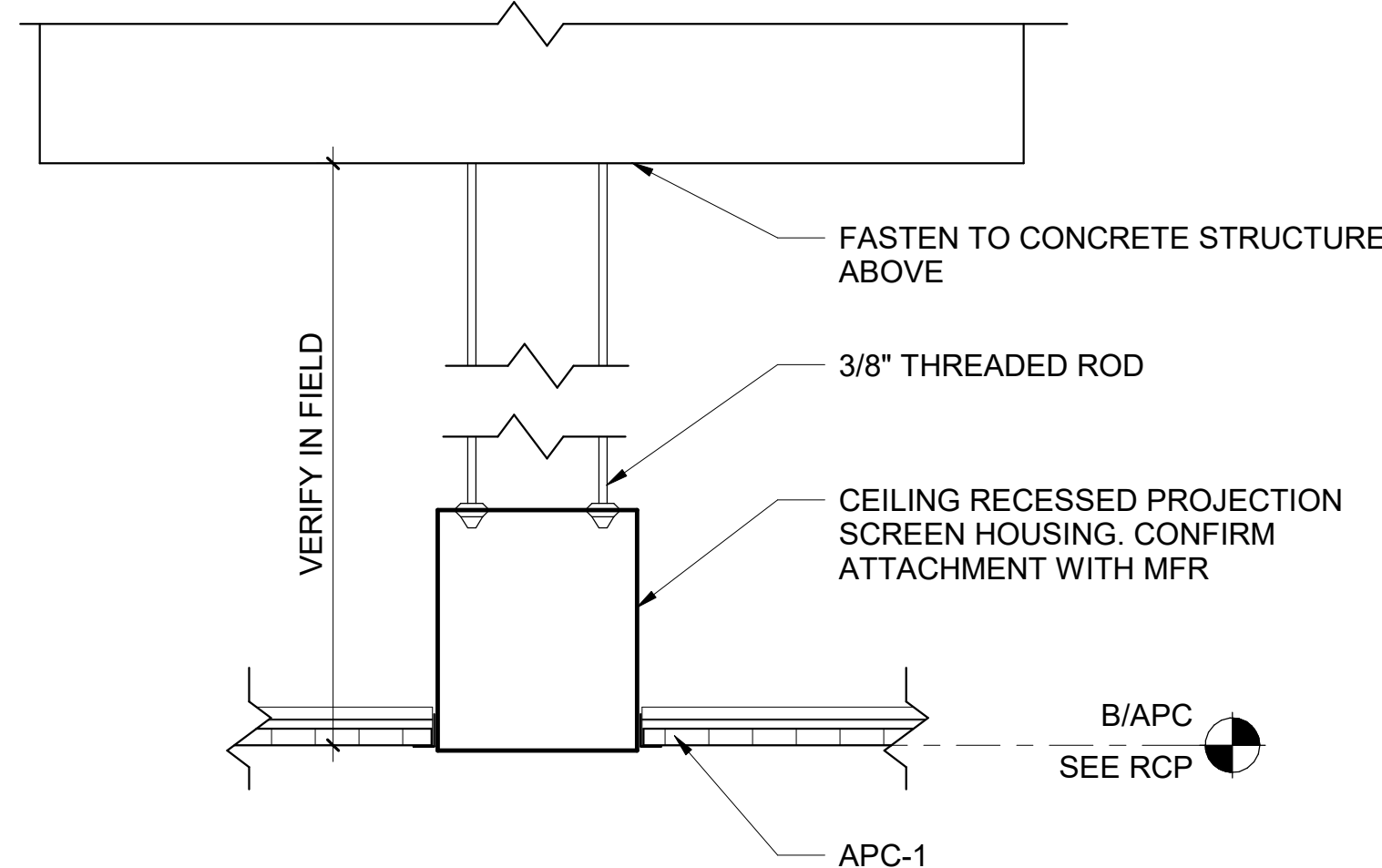
6 ROOF VENT STACK DETAIL 3" = 1'-0"



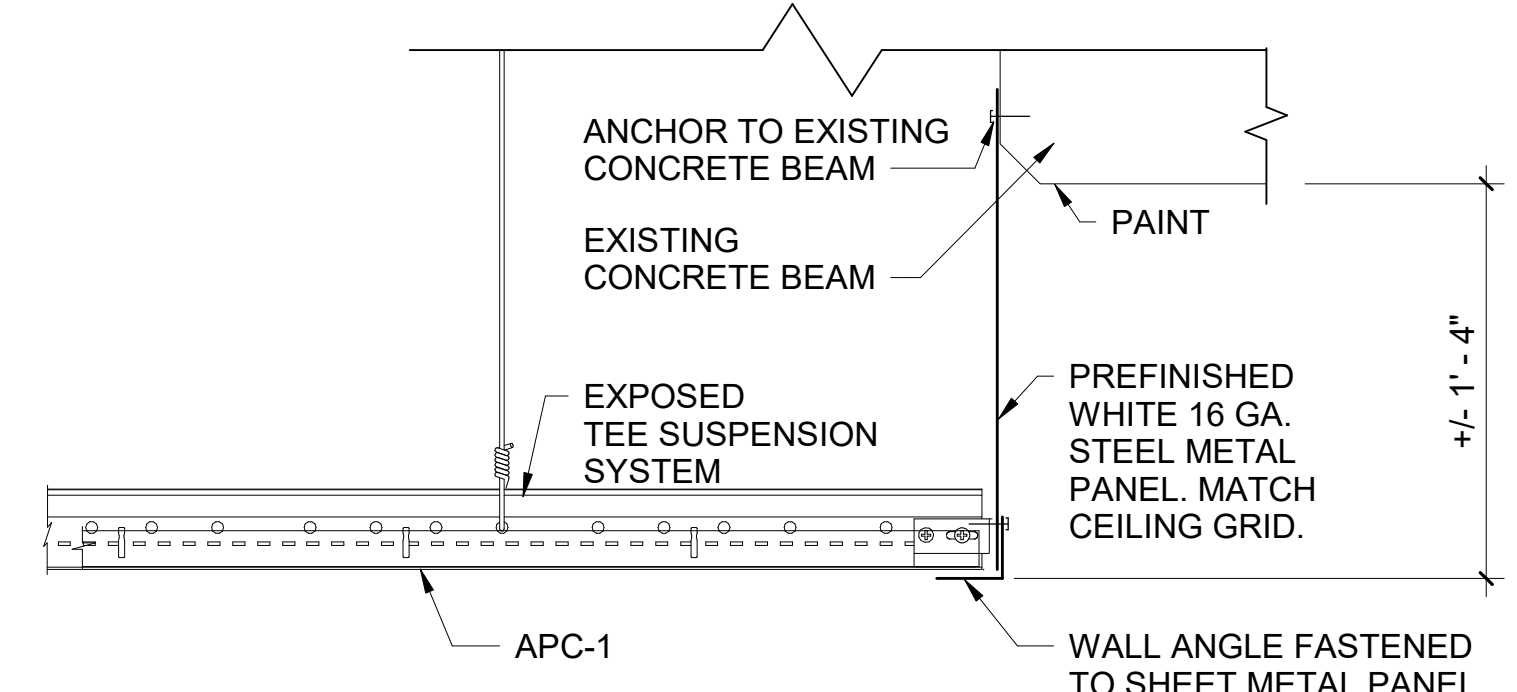
5 CEILING - SOFFIT AT WALL - TYP 1" = 1'-0"

OPENING SCHEDULE REMARKS

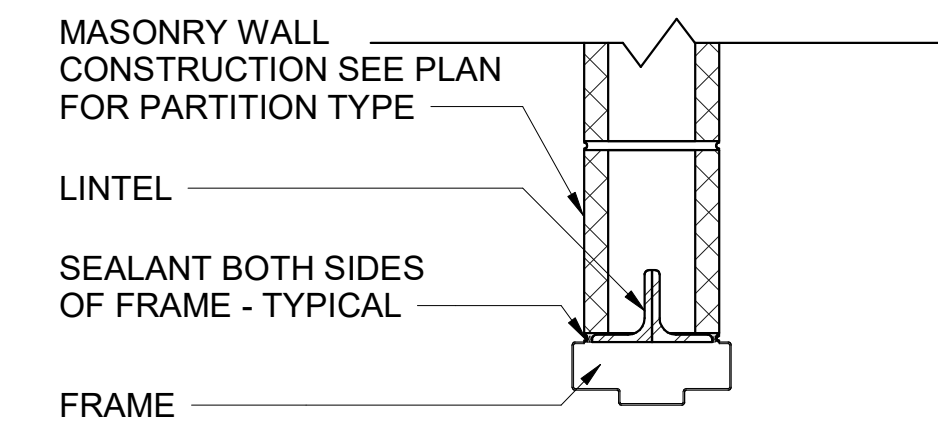
- INSTALL SALVAGED LOCKSET AND CLOSER. REFER TO DOOR HARDWARE SPEC FOR REQUIREMENTS.
- PROVIDE NEW ADA THRESHOLD SET IN BED OF SEALANT.



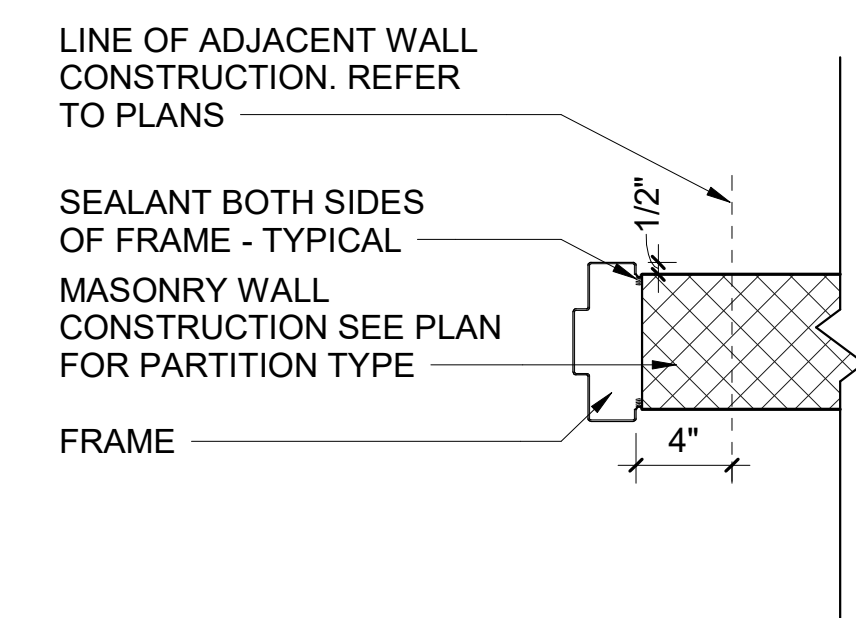
4 RECESSED SCREEN DETAIL 1 1/2" = 1'-0"



3 CEILING TRANSITION DETAIL 1/4" = 1'-0"



2 HM HEAD DETAIL 1 1/2" = 1'-0"



1 HM JAMB DETAIL 1 1/2" = 1'-0"

MECHANICAL SYMBOLS	
SYMBOL	DESCRIPTION
	SUPPLY DUCTWORK
	RETURN DUCTWORK
	RELIEF AND EXHAUST DUCTWORK
	OUTSIDE AIR DUCTWORK
	RETURN, RELIEF, EXHAUST GRILLE
	THERMOSTAT
	A. DIFFUSER TYPE OR FACE SIZE
	B. DIFFUSER NECK SIZE OR FUNCTION
	C. DIFFUSER AIR QUANTITY

MECHANICAL NOTES

GENERAL

- THESE GENERAL NOTES APPLY TO ALL WORK.
- DO NOT SCALE DRAWINGS, USE FIELD MEASUREMENTS.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- PROVIDE FIRE SAFING AT ALL WALL, FLOOR AND ROOF PENETRATIONS. RATING OF MATERIAL SHALL MEET OR EXCEED WALL FIRE RATING.
- PAINT ALL NEW EXPOSED DUCTWORK, PIPING, ELECTRICAL CONDUIT, TEMPERATURE CONTROLS CONDUIT AND ASSOCIATED COMPONENTS COLOR AS SELECTED BY THE ARCHITECT.
- THE DRAWINGS AND DETAILS SHALL BE TAKEN AS A DIAGRAMMATIC MEANS OF PROVIDING PIPING AND DUCTWORK. THEY DO NOT SHOW EVERY FITTING AND OFFSET, NOR EVERY STRUCTURAL, ELECTRICAL, PIPING, OR DUCTWORK DIFFICULTY THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF THE WORK.
- THE WORK HAS BEEN DESIGNED FOR THE EQUIPMENT INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND PROVIDE ANY MODIFICATIONS TO THE WORK INCLUDING, BUT NOT NECESSARILY LIMITED TO, DUCTWORK, PIPING, ELECTRICAL, PLUMBING, FIRE PROTECTION, STRUCTURAL, LIGHTING, OUTLETS, AND ARCHITECTURAL FEATURES SUCH AS CEILINGS, DOORS AND FRAMES, CASEWORK, ETC. REQUIRED TO PROPERLY PROVIDE EQUIPMENT OTHER THAN THAT INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL COORDINATION OF ALL ELECTRICAL REQUIREMENTS FOR ALL EQUIPMENT. PROVIDE MANUFACTURER'S WRITTEN DATA FOR EACH MECHANICAL DEVICE PRIOR TO SUBMITTAL OF ANY ELECTRICAL EQUIPMENT FOR REVIEW. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY CHANGES TO ELECTRICAL FEEDERS OR CIRCUIT BREAKERS REQUIRED FOR ANY MECHANICAL DEVICES.
- REMOVE ALL SHIPPING BOLTS AND ADJUST ALL VIBRATION ISOLATORS PRIOR TO STARTUP OF ALL EQUIPMENT.
- ALL COVERINGS, LININGS AND ASSOCIATED ADHESIVES SHALL BE FULLY PLENUM RATED AND SHALL HAVE A FLAME SPREAD INDEX OF LESS THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50.

REMODELING AND DEMOLITION

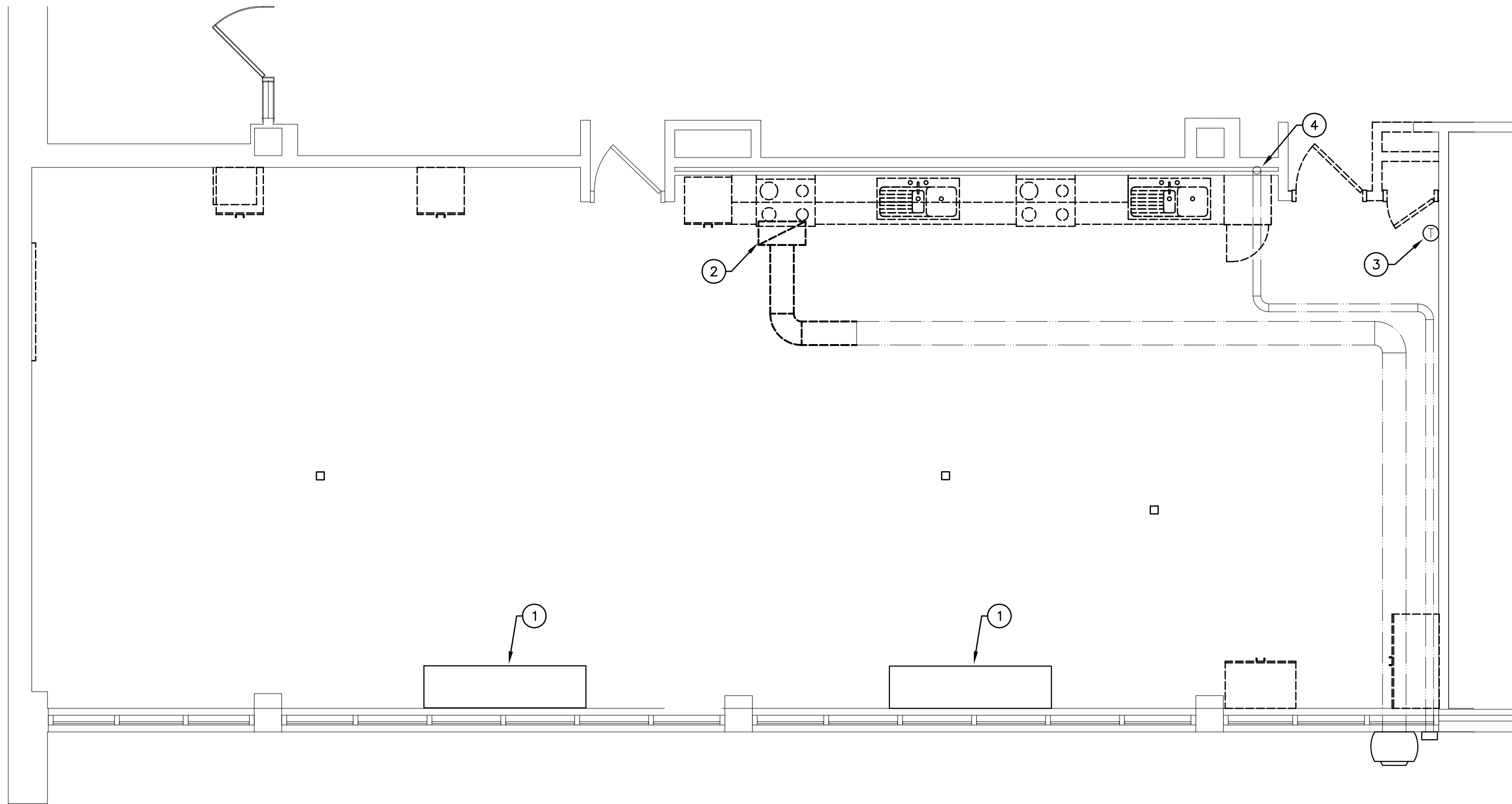
- THE CONTRACTOR MUST VISIT THE SITE PRIOR TO SUBMITTING THE BID PROPOSAL TO BECOME FAMILIAR WITH THE EXISTING SITE AND BUILDING CONDITIONS WHICH WILL BE AFFECTED DURING CONSTRUCTION. THE CONTRACTOR IS CAUTIONED THAT THIS PROJECT IS A REMODELING JOB AND IT IS ASSUMED THAT FUNDS HAVE BEEN INCLUDED IN THE BID TO COVER UNFORESEEN ITEMS WHICH MUST BE MOVED, RELOCATED, OR ADJUSTED TO FIT THE WORK. NO EXTRA COMPENSATION WILL BE ALLOWED FOR ANY MATTER OR THING WHICH THE CONTRACTOR MIGHT HAVE BEEN FULLY INFORMED OF PRIOR TO BIDDING.
- THE OWNER SHALL HAVE THE OPTION OF SELECTING ANY OR ALL OF THE ITEMS WHICH ARE DESIGNATED TO BE REMOVED BY THE CONTRACTOR AS SALVAGE FOR THE OWNER. THE CONTRACTOR SHALL REMOVE ALL ITEMS WITH EXTREME CARE AND RETURN SUCH ITEMS TO THE OWNER. ALL EQUIPMENT WHICH THE OWNER DOES NOT WANT WILL BECOME THE PROPERTY OF THE CONTRACTOR AND WILL BE PROMPTLY REMOVED FROM THE SITE.
- ALL CUTTING AND PATCHING, RELOCATING OF ANY EQUIPMENT, LIGHTING FIXTURES, CONDUIT, PIPING, ETC., NECESSARY TO PERFORM THE WORK WILL BE THE CONTRACTOR'S RESPONSIBILITY UNLESS NOTED OTHERWISE. ALL AFFECTED SURFACES WILL BE RESTORED TO THEIR ORIGINAL CONDITION.
- ALL EXISTING DUCT AND PIPING SIZES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR FOR LOCATION AND SIZE.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND COORDINATE SAME WITH ALL OTHER TRADES.
- REMOVE ANY CEILING TILES, GRID, AND LIGHT FIXTURES REQUIRED TO ACCOMPLISH THE WORK. REPLACE SAME AFTER THE INSTALLATION IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE ANY ITEMS DAMAGED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELECTRICAL LINES, PLUMBING LINES, DUCTWORK, OR MECHANICAL PIPING LOCATED IN WALLS OR FLOORS PRIOR TO SAW CUTTING OR CORE DRILLING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY SUCH ITEMS DAMAGED.
- THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO SAW CUTTING OR CORE DRILLING ANY EXISTING FLOOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY EXISTING UTILITIES DISRUPTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MODIFICATIONS TO EXISTING OPENINGS WHICH WILL BE REUSED. THIS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, ALL SAW CUTTING, INSTALLATION OF NEW LINTELS, FIRE PROOFING AND INFILL OF MASONRY OPENINGS.

DUCTWORK

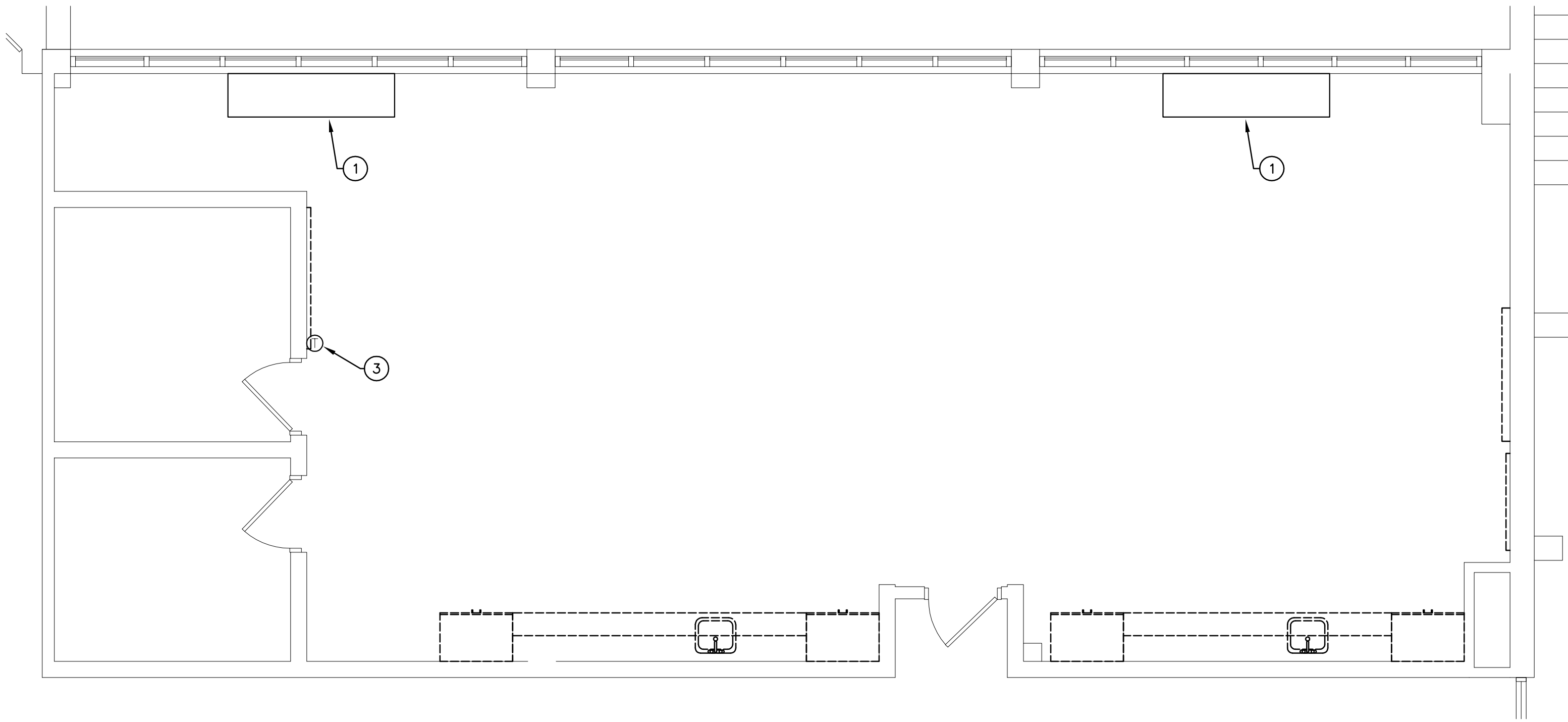
- ALL DUCT SIZES SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS.
- ALL DUCTWORK SHALL BE EXTERNALLY INSULATED UNLESS NOTED OTHERWISE.
- ALL GRILLES AND DIFFUSERS SHALL BE MANUFACTURED BY TITUS AS FOLLOWS UNLESS NOTED OTHERWISE.
 - ALL RETURN, EXHAUST, AND RELIEF GRILLES SHALL BE MODEL 350RL WITH MODEL AG-15 OPPOSED BLADE DAMPER.
- ALL OTHER DIFFUSERS AND GRILLES SHALL BE OF TYPE AS SPECIFIED ON PLANS.
- ALL DUCTWORK SHOWN ON PLANS IS TO BE CALVANIZED SHEET METAL UNLESS NOTED OTHERWISE. TURNING VANES ARE TO BE PROVIDED FOR ELBOW FITTINGS. THOSE FITTINGS WITH A DUCT DIMENSION OF GREATER THAN 12" SHALL BY 4 1/2" TYPE VANES.
- ALL JOINTS, SEAMS AND PENETRATIONS IN DUCTWORK SHALL BE SEALED WITH WELDS, GASKETS, MASTICS (ADHESIVES), LIQUID SEALANTS OR TAPES. CLOSURE SYSTEMS USED TO SEAL DUCTWORK SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 181A FOR RIGID DUCTWORK AND UL 181B FOR FLEXIBLE AIR CONNECTORS.
- ALL DRYER VENTS SHALL BE 4" SHEET METAL DUCTWORK. JOINTS SHALL BE LAPPED IN THE DIRECTION OF FLOW WITH 4" TAPED JOINT. NO SCREWS OR FLEXIBLE VENTS SHALL BE PERMITTED. ALL TERMINATIONS FOR DRYER VENTS SHALL BE MADE WITHIN 25' OF DRYER.

DRAWN	CHECKED
DKM	DKM
ISSUE DATE	
27 SEP 2021	
REVISION SCHEDULE	
NUMBER	DESCRIPTION DATE

PROJECT NUMBER
13100-2021014
PROJECT PHASE
CONSTRUCTION DOCUMENTS
SHEET

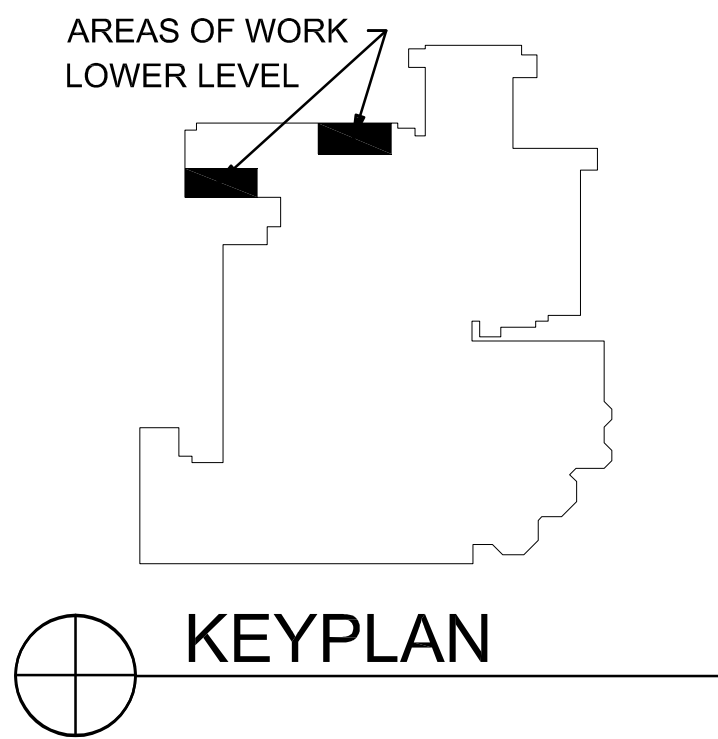


1 LIFE SKILLS 011 MECHANICAL DEMOLITION PLAN
1/4" = 1'-0" 0' 2' 4' 16'



2 ART ROOM 004 MECHANICAL DEMOLITION PLAN
1/4" = 1'-0" 0' 2' 4' 16'

- GENERAL NOTES**
1. ALL EXISTING EQUIPMENT IS TO REMAIN UNLESS NOTED OTHERWISE.
- KEY NOTES**
- 1 EXISTING UNIT VENT TO REMAIN
EXISTING UNIT VENT AND ALL ASSOCIATED PIPING AND EQUIPMENT TO REMAIN.
- 2 REPLACEMENT OF EXISTING EXHAUST GRILLE
DISCONNECT AND REMOVE EXISTING EXHAUST GRILLE AND ASSOCIATED DUCTWORK AS INDICATED. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.
- 3 EXISTING UNIT VENT CONTROLLER TO REMAIN
EXISTING CONTROLLER AND ASSOCIATED WIRING AND COMPONENTS TO REMAIN.
- 4 MODIFICATIONS TO EXISTING DRYER VENT
EXISTING DUCTWORK ABOVE CEILING AND WITHIN WALL TO REMAIN. DISCONNECT EXISTING DRYER. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.



2022 RENOVATION WORK
HADLEY JUNIOR HIGH SCHOOL
240 HAWTHORNE BOULEVARD, GLEN ELLYN, ILLINOIS, 60137
GLEN ELLYN SCHOOL DISTRICT 41
793 NORTH MAIN STREET, GLEN ELLYN, ILLINOIS 60137

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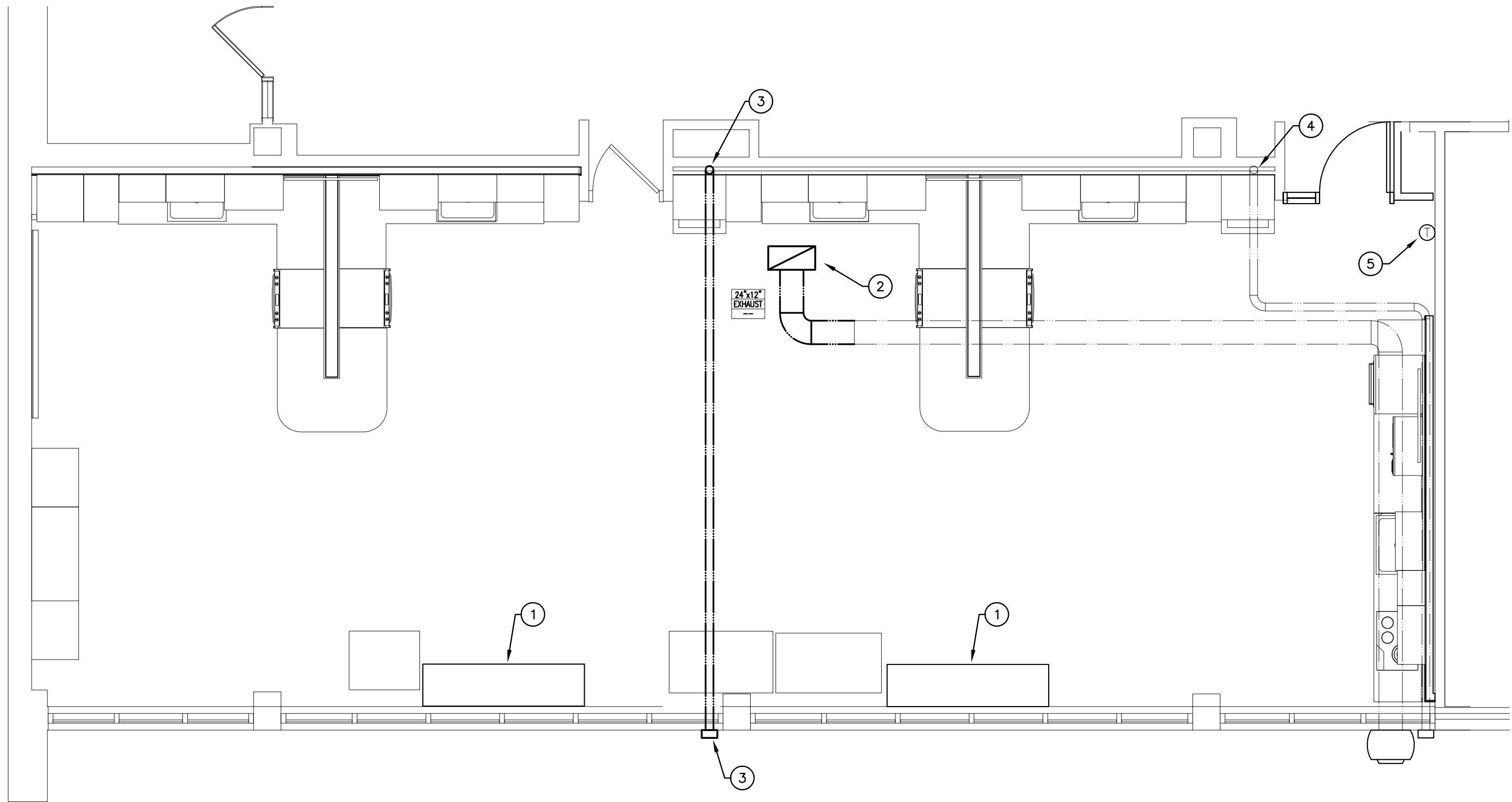
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ARCHITECTURE
CONSTRUCTION SERVICES

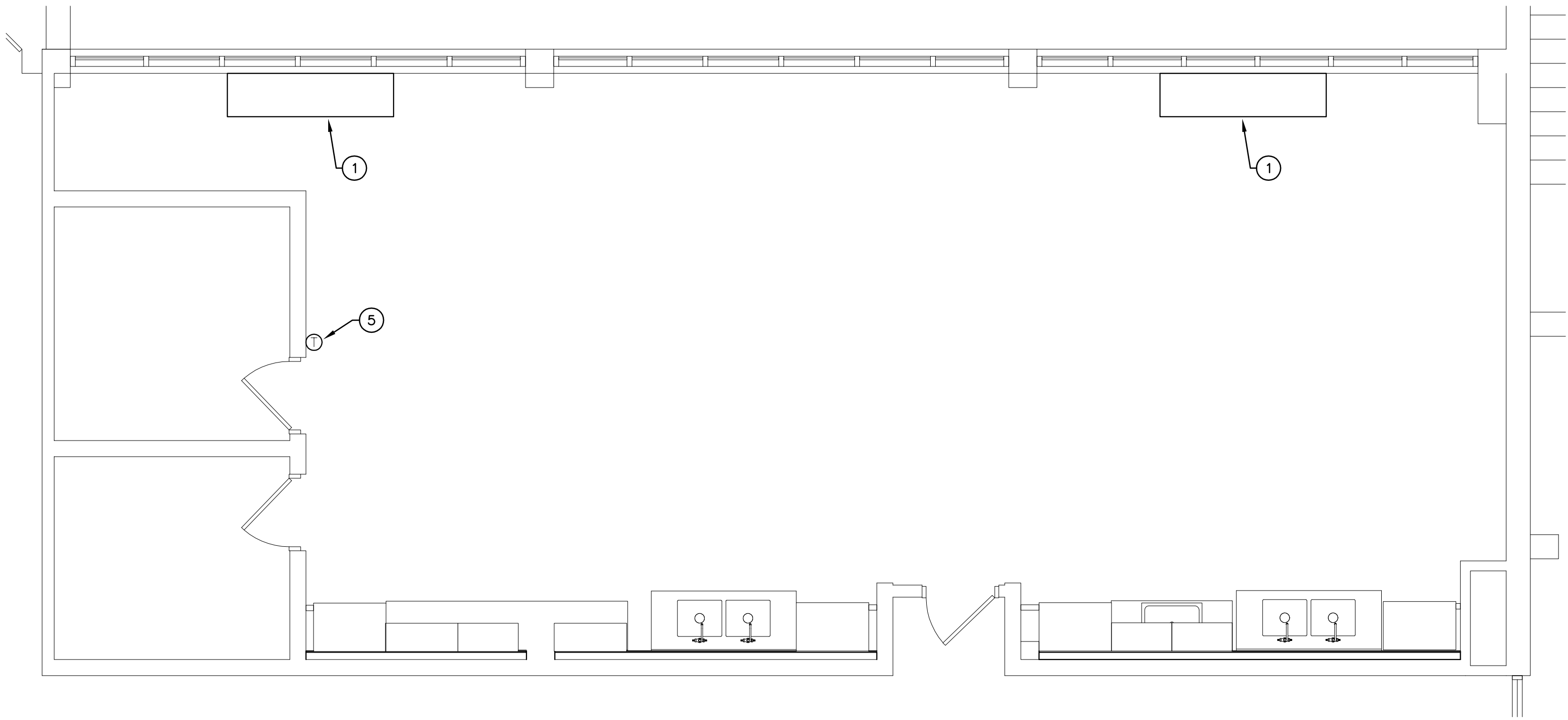
ARCHITECT
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MEP ENGINEER
AMSCO ENGINEERING, INC.
5115 BELMONT RD #A
DOWNERS GROVE, IL 60515
630-515-1555

MECHANICAL DEMOLITION PLANS



1 LIFE SKILLS 011 MECHANICAL FLOOR PLAN
1/4" = 1'-0" 0' 2' 4' 16'



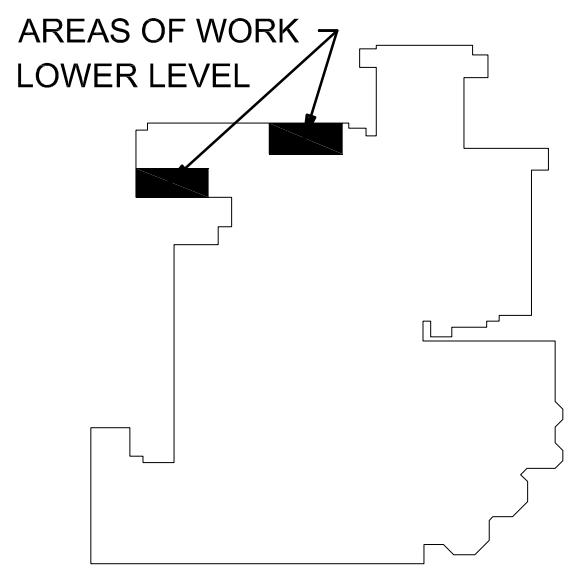
2 ART ROOM 004 MECHANICAL FLOOR PLAN
1/4" = 1'-0" 0' 2' 4' 16'

GENERAL NOTES

1. ALL EXISTING EQUIPMENT IS TO REMAIN UNLESS NOTED OTHERWISE.

KEY NOTES

- 1 EXISTING UNIT VENT TO REMAIN
EXISTING UNIT VENT AND ALL ASSOCIATED PIPING AND EQUIPMENT TO REMAIN.
- 2 REPLACEMENT OF EXISTING EXHAUST GRILLE
PROVIDE NEW GRILLE IN NEW LOCATION IN NEW CEILING SYSTEM. PROVIDE ALL DUCTWORK AND FITTINGS REQUIRED TO CONNECT NEW GRILLE TO REMAINING DUCTWORK.
- 3 NEW DRYER VENT
PROVIDE NEW 4" DRYER VENT FROM NEW DRYER. EXTEND DUCT UP IN WALL TO ABOVE CEILING. EXTEND HORIZONTALLY ABOVE CEILING TO EXTERIOR WALL. REMOVE TOP WINDOW PANEL AND PROVIDE NEW INSULATED BLANK PANEL IN EXISTING WINDOW SYSTEM. PROVIDE NEW ALUMINUM HOOD WITH BACKDRAFT DAMPER AT EXTERIOR PENETRATION. COLOR AND FINISH OF HOOD SHALL BE AS SELECTED BY THE ARCHITECT.
- 4 MODIFICATIONS TO EXISTING DRYER VENT
MODIFY EXISTING DUCTWORK AS REQUIRED TO CONNECT NEW DRYER TO EXISTING DUCTWORK. PROVIDE ALL DUCTWORK AND FITTINGS REQUIRED TO CONNECT NEW DRYER TO EXISTING DUCTWORK.
- 5 EXISTING UNIT VENT CONTROLLER TO REMAIN
EXISTING CONTROLLER AND ALL ASSOCIATED COMPONENTS TO REMAIN.



KEYPLAN

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SHEET	

PLUMBING FIXTURE SCHEDULE										
TAG	DESCRIPTION	MANUFACTURER AND MODEL	TYPE AND SIZE	VALVE MANUFACTURER AND MODEL	TRAP SIZE	CONNECTION SIZES				REMARKS
						DRAIN	VENT	CW	HW	
S-1	SINGLE COMP. UNDER-MOUNT SINK - ADA	ELKAY MODEL ELUHAD281655	30.5"x18.5"x5-3/8" 18 GA. STAINLESS STEEL	CHICAGO FAUCETS 201-AABCP	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	MOUNT TO COUNTERTOP. PROVIDE TAILPIECE WITH DW CONNECTION
S-2	SINGLE COMPARTMENT UNDERMOUNT SINK	ELKAY MODEL ELUH2816	30.5"x18.5"x7.5" 18 GA. STAINLESS STEEL	CHICAGO FAUCETS 201-AABCP	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	MOUNT TO COUNTERTOP. PROVIDE TAILPIECE WITH DW CONNECTION
S-A1	ART ROOM SINK - ADA	ELKAY MODEL ELUHAD281655	30.5"x18.5"x5-3/8" 18 GA. STAINLESS STEEL	CHICAGO FAUCETS 201-AGN8AE3-369ABCP	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	PROVIDE J.R. SMITH MODEL 8710 SOLIDS INTERCEPTOR
S-A2	ART ROOM SINK	ELKAY MODEL CUSTOM	24"x72" 16 GA. STAINLESS STEEL	(2) CHICAGO FAUCETS 201-AGN8AE3-369ABCP	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	PROVIDE J.R. SMITH MODEL 8710 SOLIDS INTERCEPTOR. REFER TO NOTES
DW	DISHWASHER	--	--	--	--	--	--	--	1/2"	PROVIDE HW SUPPLY STOP AND TUBING IN ADJACENT CABINET
WMB	WASHING MACHINE BOX	GUY GRAY MODEL T200	PAINTED STEEL WALL BOX WITH VALVES AND DRAIN	INCLUDED	2"	2"	2"	3/4"	3/4"	
FCO	FLOOR CLEAN OUT	J.R. SMITH MODEL 4020	ROUND TOP	--	--	ON PLANS	--	--	--	CLEAN OUT FITTING TO BE FULL SIZE OF LINE
FD-1	CAST IRON FLOOR DRAIN	J.R. SMITH MODEL 2010-A	6" DIAMETER NICKEL BRONZE STRAINER	--	ON PLANS	ON PLANS	ON PLANS	--	--	
GENERAL NOTES										
1. ALL SINKS SHALL BE PROVIDED WITH 17 GAUGE CHROME PLATED BRASS TRAPS WITH CLEAN OUT PLUGS, TAILPIECE, STRAINER AND WALL ESCUTCHEONS.										
2. ALL FIXTURES SHALL HAVE LEAD-FREE INDIVIDUAL CHROME PLATED, LOOSE KEY OPERATED SUPPLY STOPS RATED FOR 180°F SERVICE WITH WALL ESCUTCHEONS.										
3. PROVIDE EACH ADA SINK WITH OFFSET TRAP AND TAILPIECE AND HANDI-SHIELD VINYL COVERED PIPE INSULATION WITH HOOD AND EYE CLOSURES OVER DRAIN LINE AND HOT AND COLD WATER LINES.										
4. COORDINATE ALL MOUNTING LOCATIONS AND HEIGHTS OF FIXTURES WITH ARCHITECTURAL DRAWINGS.										
5. SINK S-A2 SHALL BE CUSTOM MANUFACTURED FLOOR MOUNT 2-BOWL SINK. EACH BOWL SHALL BE 22"L x 18"W x 10"D. PROVIDE 4" BACKSPASH AND DRAIN BOARDS ON EACH SIDE.										

PLUMBING EQUIPMENT SCHEDULE



SIMPLEX SUBMERSIBLE SEWAGE EJECTOR
ZOELLER MODEL 130 SUBMERSIBLE SEWAGE EJECTOR. 36 GPM PUMPING CAPACITY AT 20 FOOT OF HEAD, 2" DISCHARGE. PUMP SHALL BE 120V-1Ø-1750 RPM. PUMP SHALL BE COMPLETE WITH FLOAT SWITCH AND HIGH WATER ALARM. THE PUMP SHALL BE SET IN AN 18" DIAMETER BY 30" DEEP BASIN COMPLETE WITH GASKETED STEEL COVER.

PLUMBING SYMBOLS

SYMBOL	DESCRIPTION
	UNDERGROUND SANITARY DRAIN LINE
	SUSPENDED SANITARY LINE
	PLUMBING VENT LINE
	COLD WATER LINE
	HOT WATER LINE
	HOT WATER RETURN LINE
	BALL VALVE
	CHECK VALVE
	LUBRICATED BALANCING COCK
	UNION
	FLOOR CLEAN OUT
	SUSPENDED CLEAN OUT
	WALL CLEAN OUT
	A. INDICATES VENT RISER SIZE
	B. INDICATES VENT INCEASER SIZE THROUGH ROOF

PLUMBING NOTES

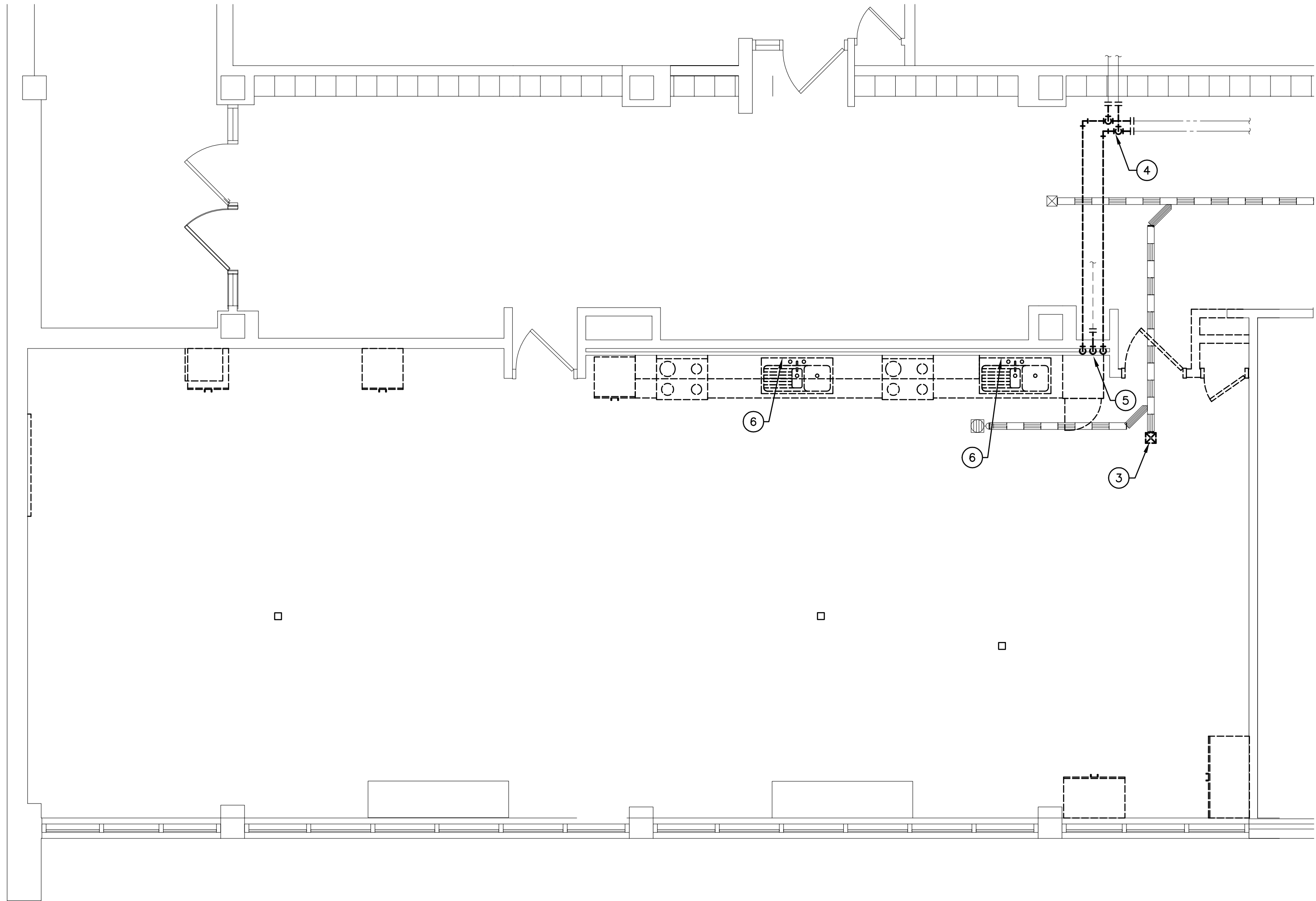
GENERAL

- THESE GENERAL NOTES APPLY TO ALL WORK IN THIS PROJECT.
- REFER TO PLANS AND SPECIFICATIONS FOR ADDITIONAL GENERAL NOTES WHICH WILL ALL APPLY HERE.
- DO NOT SCALE DRAWINGS, USE FIELD MEASUREMENTS.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- PROVIDE PIPE SLEEVES AT ALL WALL AND FLOOR PENETRATIONS. SLEEVES SHALL BE SCHEDULE 40 STEEL PIPING WHICH SHALL EXTEND 1" PAST WALL OR FLOOR ON BOTH SIDES OF PENETRATION. PIPE INSULATION SHALL BE CONTINUOUS THROUGH PENETRATION. FURNISH AND INSTALL FIRE SAFING BETWEEN SLEEVE AND PIPE INSULATION.
- FURNISH AND INSTALL FIRE SAFING AT ALL WALL AND FLOOR PENETRATIONS. RATING OF MATERIAL SHALL MEET OR EXCEED WALL OR FLOOR FIRE RATING.
- PAINT ALL NEW EXPOSED PIPING AND ASSOCIATED COMPONENTS INSTALLED IN FINISHED AREAS COLOR AS SELECTED BY THE ARCHITECT.
- THE DRAWINGS AND DETAILS SHALL BE TAKEN AS A DIAGRAMMATIC MEANS OF INSTALLING PIPING AND DUCTWORK. THEY ARE NOT INTENDED TO SHOW EVERY FITTING AND OFFSET, NOR EVERY STRUCTURAL, ELECTRICAL, PIPING, OR DUCTWORK DIFFICULTY THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF THIS WORK.
- CONSULT STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS. THE PLANS SHOW THE GENERAL ARRANGEMENT OF ALL PIPING, CONDUIT, AND EQUIPMENT. EXAMINE THE DRAWINGS AND SPECIFICATIONS CAREFULLY AND NOTIFY THE ARCHITECT BY LETTER OF ANY DISCREPANCIES SO THE SAME CAN BE RECTIFIED AT THE EARLIEST POSSIBLE DATE. THE CONTRACTOR SHALL FOLLOW THE PLUMBING PLANS AS CLOSELY AS POSSIBLE FOR THE INSTALLATION OF PIPING AND EQUIPMENT.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND MECHANICAL FEATURES OF THE BUILDING.
- SHOULD CONDITIONS NECESSITATE ANY REARRANGEMENT OF PIPING OR DUCTWORK, OR IF SAME CAN BE RUN TO BETTER ADVANTAGE, THE CONTRACTOR SHALL PREPARE AND SUBMIT DRAWINGS SHOWING THE CHANGES BEFORE PROCEEDING WITH THE WORK. IF SUCH CHANGES ARE APPROVED, THEY SHALL BECOME PART OF THE CONTRACT AFTER THEIR APPROVAL.
- THE DRAWINGS ARE DIMENSIONED FOR SPECIFIED EQUIPMENT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ANY MODIFICATIONS TO DUCTWORK, PIPING, ELECTRICAL WIRING, LIGHTING, OUTLETS OR ANY ARCHITECTURAL FEATURES SUCH AS CEILINGS, DOORWAYS, ETC. REQUIRED TO INSTALL ANY EQUIPMENT APPROVED AS EQUAL BY THE ARCHITECT OR ENGINEER.
- INSTALL ISOLATION VALVES ON EACH SUPPLY BRANCH LINE. VALVING SHALL BE PROVIDED WHETHER OR NOT VALVES ARE INDICATED ON THE DRAWINGS.
- PROVIDE ACCESS PANELS IN CEILINGS AT ALL VALVES AND OTHER EQUIPMENT INSTALLED ABOVE INACCESSIBLE CEILINGS.
- ALL DOMESTIC PIPING SHALL BE INSULATED. DOMESTIC HW & HWR LINES SHALL BE INSULATED WITH 1 1/2" THICK INSULATION. OTHER PIPING NOTED ABOVE SHALL BE INSULATED WITH 1" THICK INSULATION.
- ALL ISOLATION VALVES TO BE SAME SIZE AS INSTALLED LINE. ISOLATION VALVES THAT ARE 3" AND SMALLER SHALL BE BALL VALVE TYPE AND ALL VALVES 4" AND LARGER SHALL BE GATE VALVES, UNLESS NOTED OTHERWISE ON PLANS. ALL BALL VALVES SHALL BE FULL PORT TYPE. ALL VALVING AND DEVICES INSTALLED IN THE DOMESTIC WATER SYSTEM SHALL BE OF LEAD FREE CONSTRUCTION.
- ALL SANITARY AND VENT LINES SHALL BE PITCHED AS FOLLOWS:
3" AND SMALLER - 1/4" PER 1'-0"
4" AND LARGER - 1/8" PER 1'-0"
- ALL SANITARY AND VENT PIPING SHALL BE SOLID CORE SCHEDULE 40 PVC UNLESS NOTED OTHERWISE.
- ALL SUSPENDED DOMESTIC SUPPLY PIPING SHALL BE TYPE "L" COPPER PIPING WITH SOLDERED JOINTS UNLESS NOTED OTHERWISE. ALL UNDERGROUND DOMESTIC SUPPLY PIPING SHALL BE SEAMLESS TYPE "K" COPPER AND SHALL EXTEND 12" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. ALL MATERIALS SHALL BE LEAD FREE. ALL DOMESTIC WATER PIPING INSTALLED NEW OR AS PART OF A MODIFIED SYSTEM SHALL BE FLUSHED AND CHLORINATED. SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH ILLINOIS PLUMBING CODE AT 1.5 TIMES SYSTEM OPERATING PRESSURE (MINIMUM OF 100 PSIG).
- PROVIDE DIELECTRIC UNIONS OR NIPPLES BETWEEN ALL DISSIMILAR MATERIALS. ALL FITTINGS SHALL BE RATED BY THE MANUFACTURER FOR USE AS A DIELECTRIC FITTING IN POTABLE WATER SYSTEMS.
- ALL MATERIALS, PIPING, FITTINGS APPLIANCES, APPURTENANCES, FAUCETS, FIXTURE FITTINGS, FIXTURES AND DEVICES USED SHALL BE IN COMPLIANCE WITH ALL ILLINOIS PLUMBING CODE REQUIREMENTS.
- ALL NEW AND MODIFIED SANITARY AND VENT SYSTEMS SHALL HAVE AN AIR / WATER TEST CONDUCTED ON THE SYSTEM IN ACCORDANCE WITH ILLINOIS PLUMBING CODE. CONTRACTOR TESTS SHALL CONFORM WITH ANY MUNICIPAL CODES WHICH REQUIRES MORE STRINGENT TESTS.
- PROVIDE 12" TALL (MINIMUM) AIR CHAMBERS AT EACH FIXTURE.

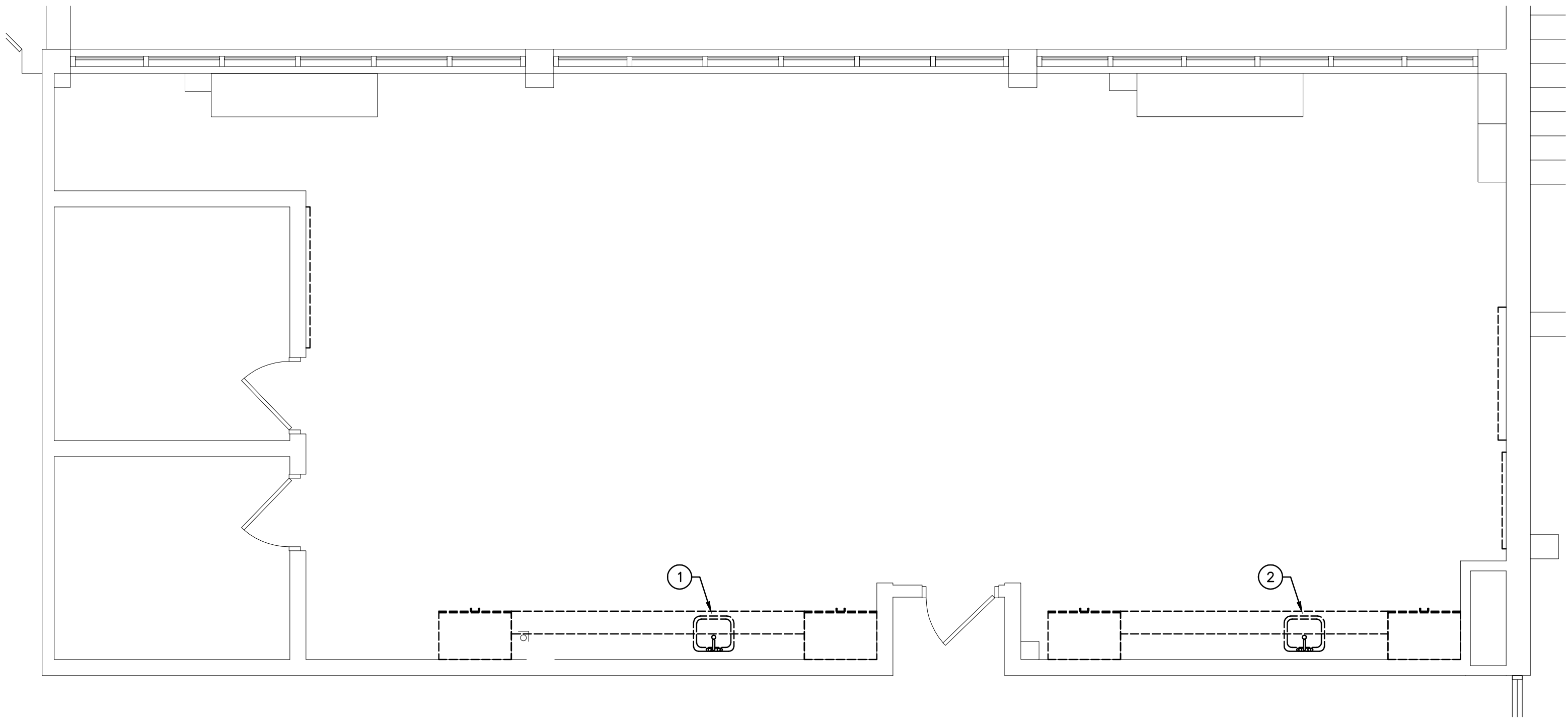
REMODELING AND DEMOLITION

- THE CONTRACTOR MUST VISIT THE SITE PRIOR TO SUBMITTING THE BID PROPOSAL TO BECOME FAMILIAR WITH THE EXISTING SITE AND BUILDING CONDITIONS WHICH WILL BE AFFECTED DURING CONSTRUCTION. THE CONTRACTOR IS CAUTIONED THAT THIS PROJECT IS A REMODELING JOB AND IT IS ASSUMED THAT FINDS HAVE BEEN INCLUDED IN THE BID TO COVER UNFORESEEN ITEMS WHICH MUST BE MOVED, RELOCATED, OR ADJUSTED TO FIT THE WORK. NO EXTRA COMPENSATION WILL BE ALLOWED FOR ANY MATTER OR THING WHICH THE CONTRACTOR MIGHT HAVE BEEN FULLY INFORMED OF PRIOR TO BIDDING.
- THE OWNER SHALL HAVE THE OPTION OF SELECTING ANY OR ALL OF THE ITEMS WHICH ARE DESIGNATED TO BE REMOVED BY THE CONTRACTOR AS SALVAGE FOR THE OWNER. THE CONTRACTOR SHALL REMOVE ALL ITEMS WITH EXTREME CARE AND RETURN SUCH ITEMS TO THE OWNER. ALL EQUIPMENT WHICH THE OWNER DOES NOT WANT WILL BECOME THE PROPERTY OF THE CONTRACTOR AND WILL BE PROMPTLY REMOVED FROM THE SITE.
- ALL CUTTING AND PATCHING, RELOCATING OF ANY EQUIPMENT, LIGHTING FIXTURES, CONDUIT, PIPING, ETC., NECESSARY FOR ANY WORK UNDER THIS CONTRACT WILL BE THE CONTRACTOR'S RESPONSIBILITY UNLESS NOTED OTHERWISE. ALL AFFECTED SURFACES WILL BE RESTORED TO THEIR ORIGINAL CONDITION.
- THE CONTRACTOR WILL REFER TO DRAWINGS WHICH SHOW REMOVED WALLS AND OTHER ITEMS IN REFERENCE TO REMODELING, DEMOLITION AND BUILDING ADDITIONS. ONLY MINOR DEMOLITION IS SHOWN ON DRAWINGS. REFER TO SPECIFICATIONS AND OTHER NOTES FOR ADDITIONAL INFORMATION.
- ALL EXISTING PIPING SIZES ON THE DRAWINGS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED FOR LOCATION AND SIZE.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND COORDINATE SAME WITH ALL OTHER TRADES.
- REMOVE ANY CEILING TILES, GRID, AND LIGHT FIXTURES REQUIRED FOR THE INSTALLATION OF THIS WORK PRIOR TO INSTALLATION. REPLACE SAME AFTER THE INSTALLATION IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE ANY ITEMS DAMAGED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELECTRICAL LINES, PLUMBING LINES, DUCTWORK, OR MECHANICAL PIPING LOCATED IN WALLS OR FLOORS PRIOR TO SAW CUTTING OR CORE DRILLING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY SUCH ITEMS DAMAGED DURING THIS WORK.
- THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO SAW CUTTING OR CORE DRILLING ANY EXISTING FLOOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY EXISTING UTILITIES DISRUPTED BY THIS WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MODIFICATIONS TO EXISTING OPENINGS WHICH WILL BE REUSED AS PART OF THIS PROJECT. THIS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, ALL SAW CUTTING, INSTALLATION OF NEW LINTELS, FIRE PROOFING AND INFILL OF MASONRY OPENINGS.
- THE CONTRACTOR SHALL LOCATE ALL CONNECTIONS TO EXISTING PIPING PRIOR TO THE INSTALLATION OF ANY NEW WORK. LOCATION OF PIPING SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, TELEVISION OF EXISTING UNDERGROUND STORM AND SANITARY PIPING.

DRAWN	CHECKED
DKM	DKM
ISSUE DATE	
27 SEP 2021	
REVISION SCHEDULE	
NUMBER	DESCRIPTION DATE



1 LIFE SKILLS 011 PLUMBING DEMOLITION PLAN
1/4" = 1'-0" 0' 2' 4' 16'



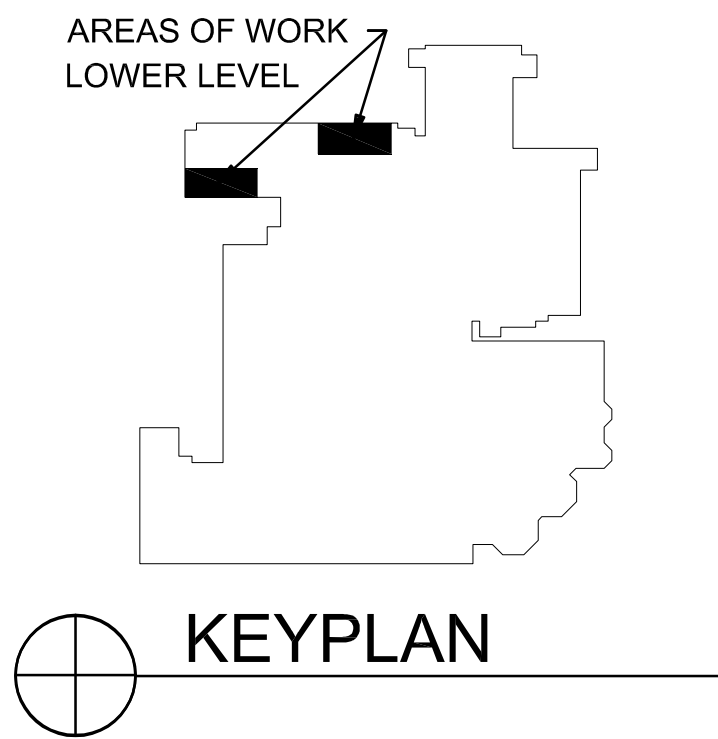
2 ART ROOM 004 PLUMBING DEMOLITION PLAN
1/4" = 1'-0" 0' 2' 4' 16'

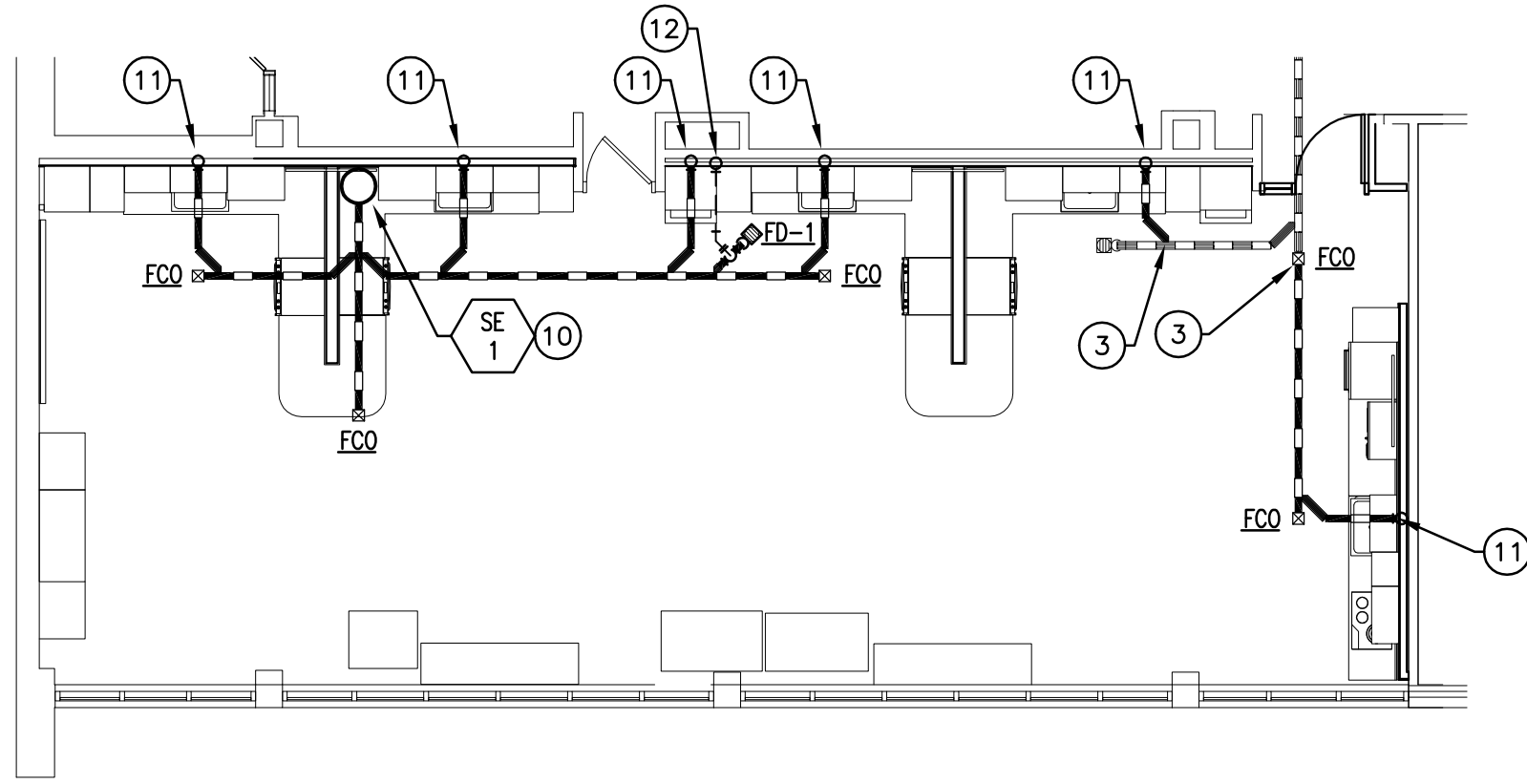
GENERAL NOTES

1. ALL EXISTING EQUIPMENT IS TO REMAIN UNLESS NOTED OTHERWISE.

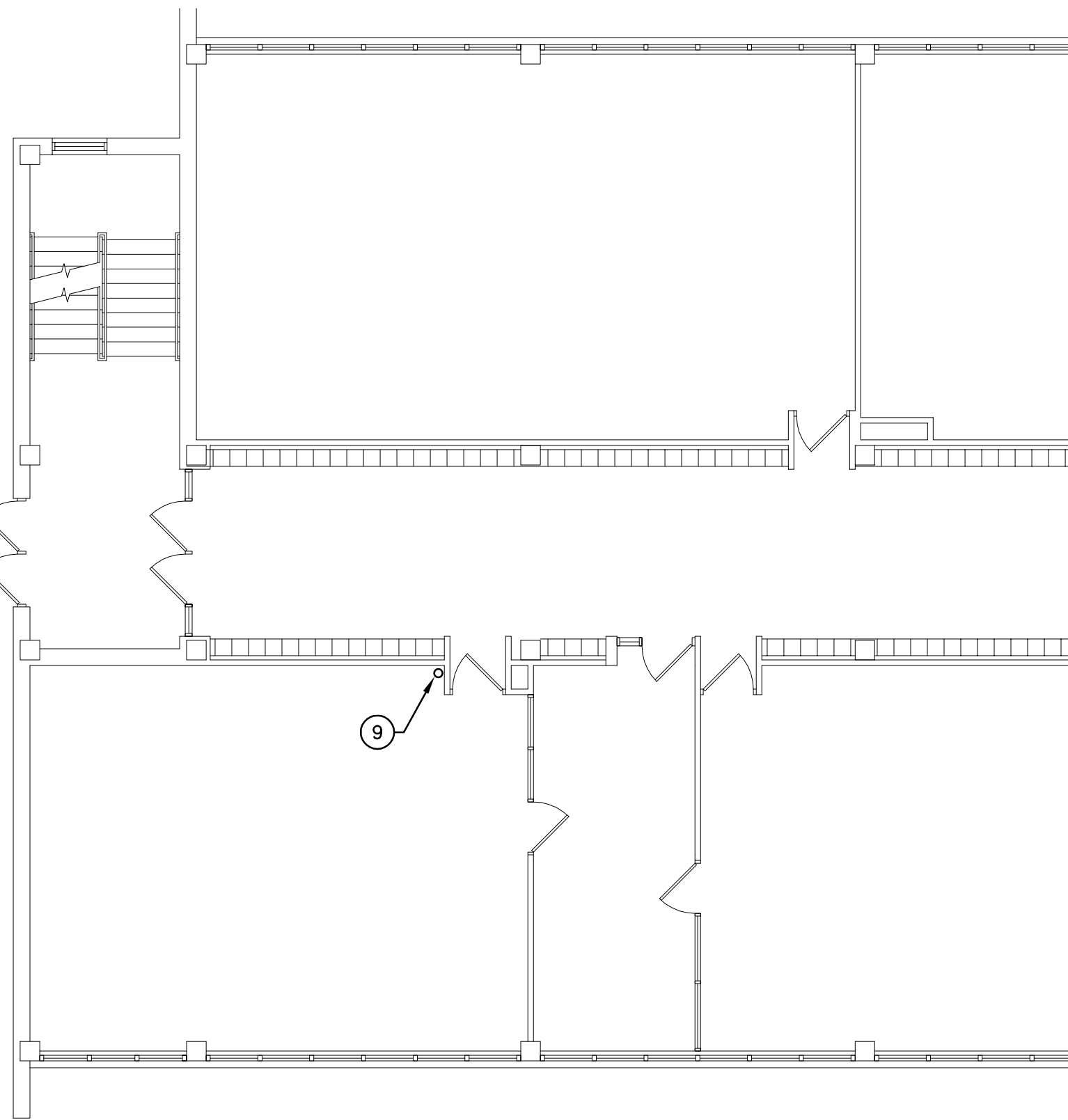
KEY NOTES

- 1 DEMOLITION OF EXISTING SINK -- MODIFY PIPING TO CONNECT TO NEW SINK DISCONNECT AND REMOVE EXISTING SINK AND ASSOCIATED SUPPLY STOPS, TUBING AND TRAP ASSEMBLY. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.
- 2 DEMOLITION OF EXISTING SINK -- MODIFY PIPING TO CONNECT TO TWO SINKS DISCONNECT AND REMOVE EXISTING SINK AND ASSOCIATED SUPPLY STOPS, TUBING AND TRAP ASSEMBLY. OPEN EXISTING WALL AS REQUIRED TO ACCESS EXISTING PIPING. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.
- 3 CONNECTION TO EXISTING SANITARY PIPING SAW CUT EXISTING FLOOR AS REQUIRED TO ACCESS EXISTING UNDERGROUND PIPING. MODIFY EXISTING PIPING AS REQUIRED TO CONNECT NEW SANITARY PIPING TO EXISTING. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.
- 4 DEMOLITION OF EXISTING SUPPLY PIPING MODIFY EXISTING PIPING AS REQUIRED TO CONNECT NEW CW AND HW LINES TO EXISTING. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.
- 5 MODIFICATIONS TO EXISTING WASHING MACHINE BOX EXISTING WASHING MACHINE BOX AND ASSOCIATED SANITARY AND SUPPLY PIPING TO REMAIN. DISCONNECT EXISTING VENT ABOVE CEILING. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.
- 6 DEMOLITION OF EXISTING SINK -- MODIFY PIPING AND VENTING DISCONNECT AND REMOVE EXISTING SINK AND ASSOCIATED SUPPLY STOPS, TUBING AND TRAP ASSEMBLY. OPEN EXISTING WALL AS REQUIRED TO ACCESS EXISTING PIPING. DISCONNECT EXISTING VENT PIPING ABOVE CEILING AS INDICATED. REFER TO NEW WORK PLANS FOR ADDITIONAL INFORMATION.

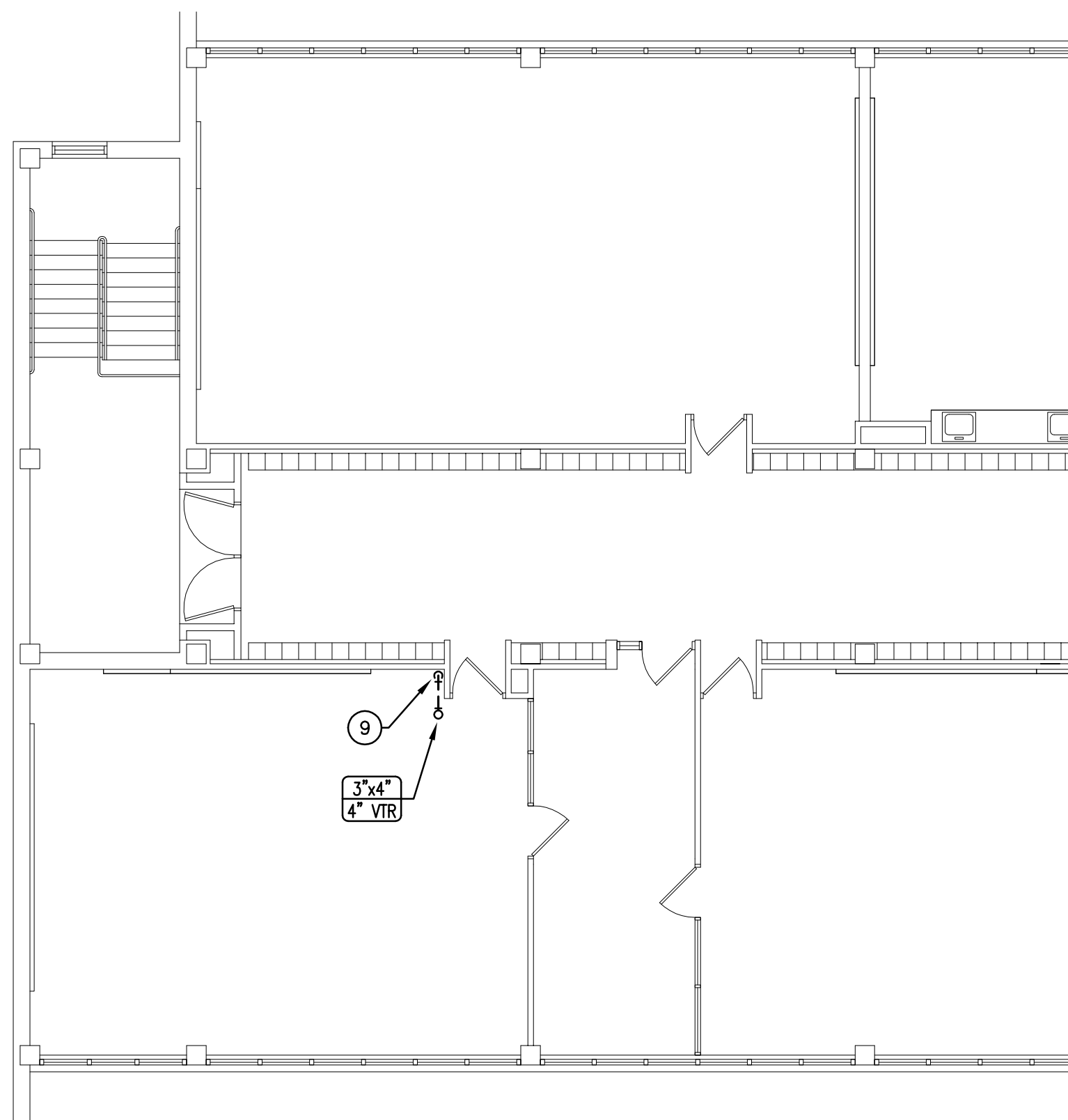




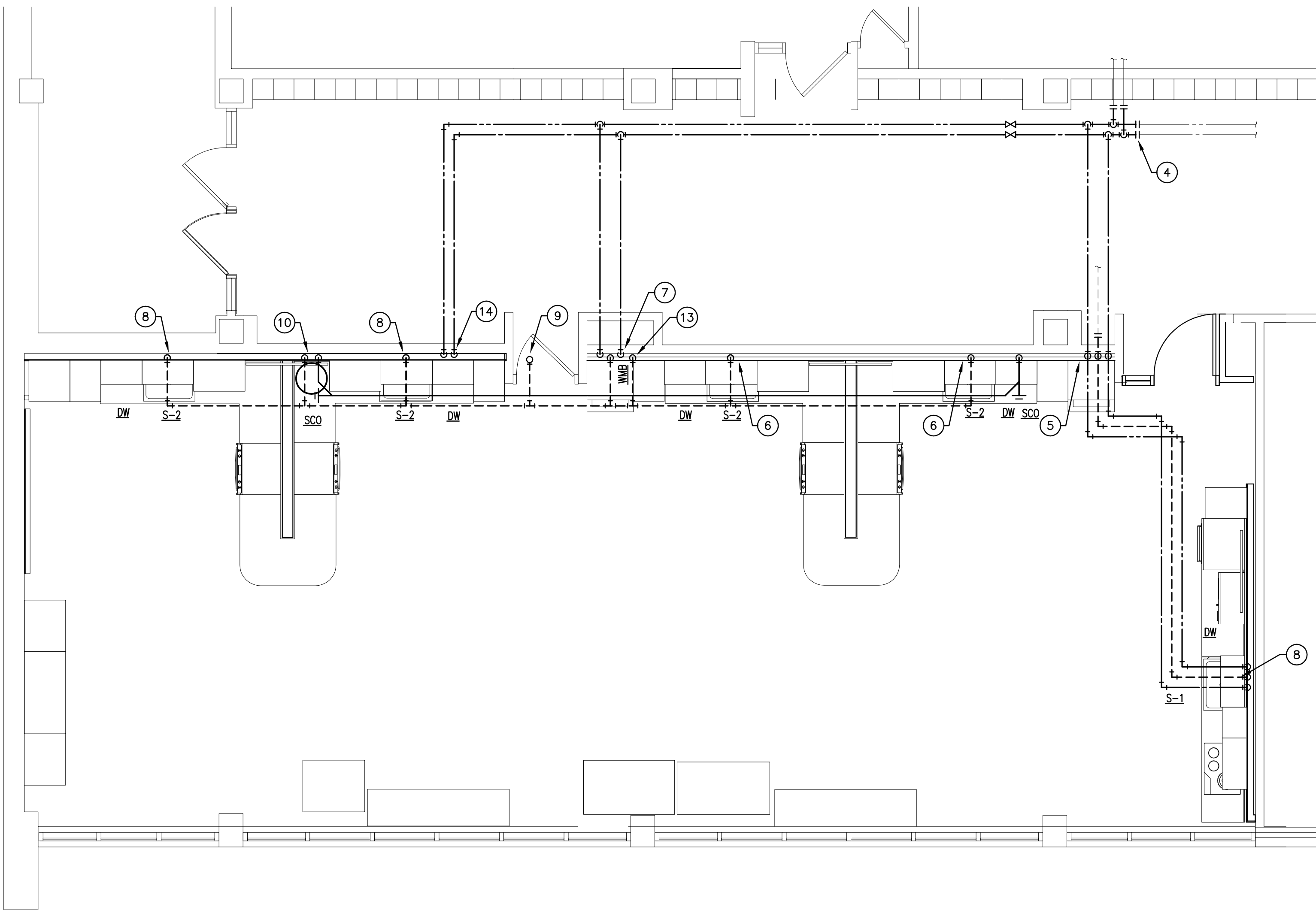
3 PARTIAL LOWER LEVEL UNDERGROUND PLAN
1/8" = 1'-0"
0' 4' 8' 32'



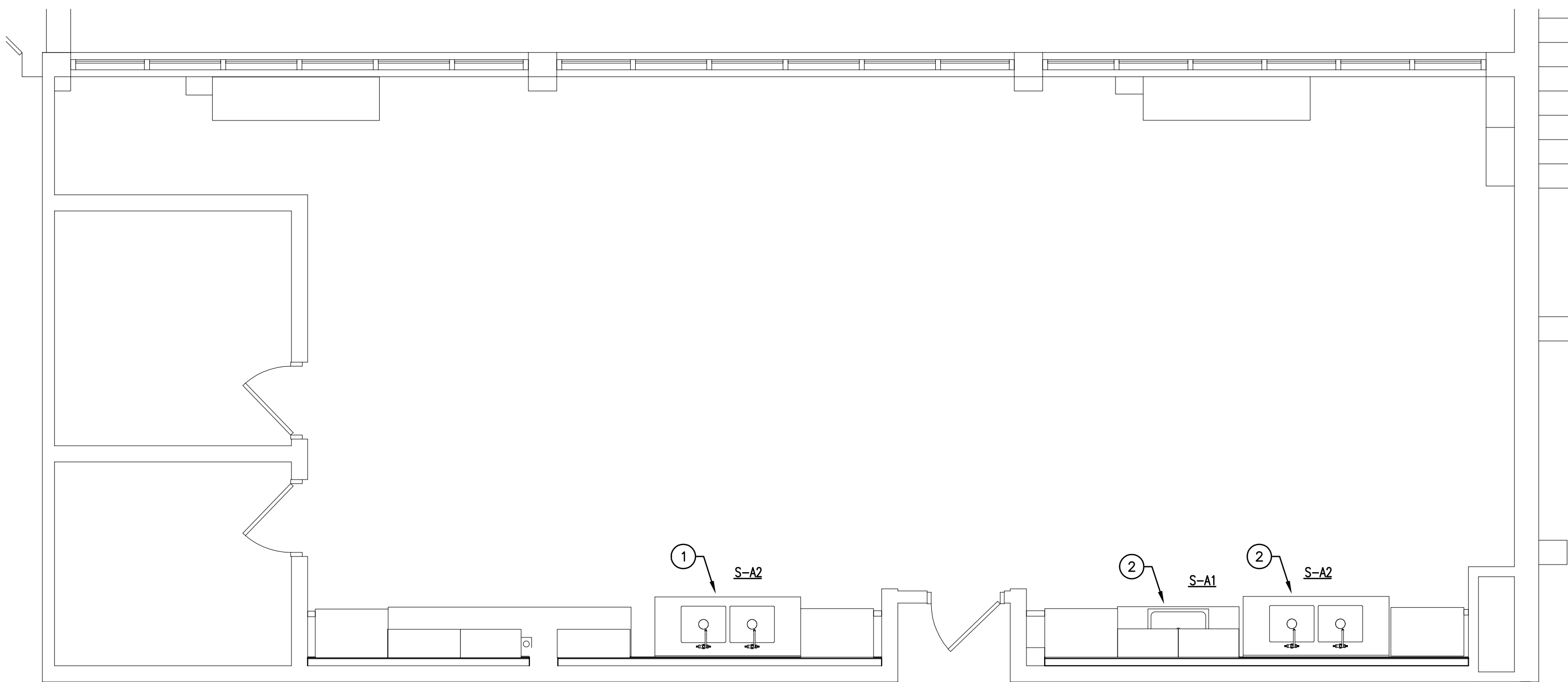
4 PARTIAL FIRST FLOOR PLUMBING PLAN
1/8" = 1'-0"
0' 4' 8' 32'



5 PARTIAL SECOND FLOOR PLUMBING PLAN
1/8" = 1'-0"
0' 4' 8' 32'



1 LIFE SKILLS 011 PLUMBING FLOOR PLAN
1/4" = 1'-0"
0' 2' 4' 16'



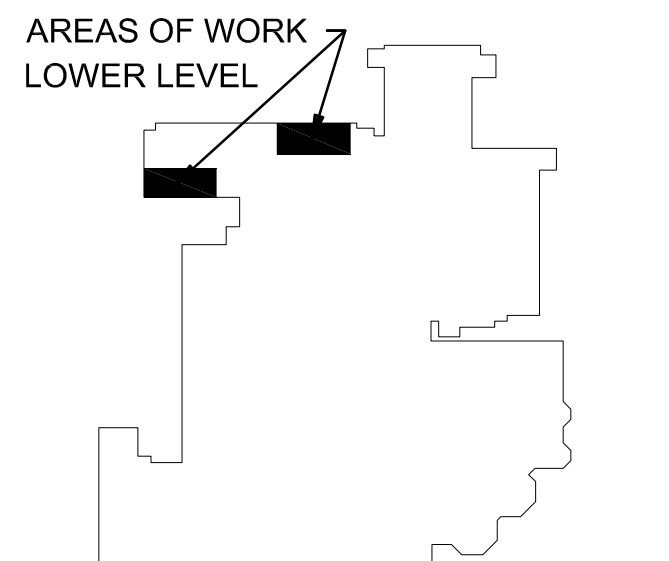
2 ART ROOM 004 PLUMBING FLOOR PLAN
1/4" = 1'-0"
0' 2' 4' 16'

GENERAL NOTES

1. ALL EXISTING EQUIPMENT IS TO REMAIN UNLESS NOTED OTHERWISE.
2. ALL UNDERGROUND SANITARY PIPING SHALL BE 4" UNLESS NOTED OTHERWISE.
3. ALL UNDERGROUND VENT PIPING SHALL BE 2" UNLESS NOTED OTHERWISE.
4. SAW CUT EXISTING CONCRETE FLOOR AND EXCAVATE AS REQUIRED TO INSTALL NEW UNDERGROUND PIPING AND EQUIPMENT. BACKFILL AND PATCH CONCRETE FLOOR TO LIKE NEW CONDITION WHEN INSTALLATION IS COMPLETE.

KEY NOTES

1. INSTALLATION OF NEW SINK -- REUSE PIPING
ANCHOR NEW SINK TO WALL. PROVIDE NEW SUPPLY STOPS, TUBING AND SOLIDS INTERCEPTOR. PROVIDE ALL PIPING AND FITTINGS REQUIRED TO CONNECT NEW SINK TO EXISTING PIPING.
2. INSTALLATION OF NEW SINKS -- MODIFY PIPING
EXTEND NEW SANITARY, VENT AND SUPPLY PIPING TO FEED NEW ADJACENT SINK. PROVIDE ALL PIPING AND FITTINGS REQUIRED TO CONNECT TWO NEW SINKS TO EXISTING PIPING. PROVIDE NEW SUPPLY STOPS, TUBING AND SOLIDS INTERCEPTORS FOR EACH SINK. MOUNT SINK S-A1 TO NEW COUNTER. ANCHOR SINK S-A2 TO WALL.
3. CONNECTION TO EXISTING SANITARY PIPING
SAW CUT EXISTING FLOOR AS REQUIRED TO INSTALL NEW PIPING. MODIFY EXISTING PIPING AS REQUIRED TO CONNECT NEW SANITARY PIPING TO EXISTING. EXTEND PIPING UNDERGROUND TO NEW FIXTURES. PATCH CONCRETE SLAB TO LIKE NEW CONDITION WHEN INSTALLATION IS COMPLETE.
4. CONNECTION TO EXISTING SUPPLY PIPING
MODIFY EXISTING PIPING AS REQUIRED TO CONNECT NEW 1" CW AND HW LINES TO EXISTING. PROVIDE ALL PIPING AND FITTINGS REQUIRED TO CONNECT NEW PIPING TO EXISTING.
5. MODIFICATIONS TO EXISTING WASHING MACHINE BOX
EXISTING WASHING MACHINE BOX AND ASSOCIATED SANITARY AND SUPPLY PIPING TO REMAIN. EXTEND VENT PIPING TO CONNECT TO NEW FIXTURES. CONNECT NEW WASHING MACHINE TO EXISTING BOX. PROVIDE NEW BRAIDED STAINLESS STEEL HOSES AND MAKE FINAL CONNECTIONS TO WASHING MACHINE.
6. INSTALLATION OF NEW SINK -- MODIFY PIPING AND VENTING
MODIFY EXISTING SANITARY, VENT AND SUPPLY PIPING AS REQUIRED TO CONNECT TO NEW SINK IN NEW LOCATION. DISCONNECT EXISTING VENT PIPING ABOVE CEILING AND EXTEND TO CONNECT TO NEW VENT RISER. EXTEND PIPING TO CONNECT TO ADJACENT DISHWASHER. PROVIDE SUPPLY TUBING AND MAKE FINAL CONNECTIONS TO DISHWASHER.
7. NEW WASHING MACHINE BOX
DROP 3" SANITARY LINE DOWN TO BELOW FLOOR. EXTEND 3" VENT LINE UP TO ABOVE CEILING. DROP 3/4" CW AND HW LINES DOWN IN WALL AND CONNECT TO FIXTURE.
8. NEW SINK
DROP 2" SANITARY LINE DOWN TO BELOW FLOOR. EXTEND 1 1/2" VENT LINE UP TO ABOVE CEILING. DROP 1/2" CW AND HW LINES DOWN IN WALL AND CONNECT TO FIXTURE.
9. NEW VENT RISER
CORE DRILL TWO FLOORS ABOVE AS REQUIRED TO EXTEND VENT LINE UP THROUGH ROOF. PATCH ALL AFFECTED SURFACES TO LIKE NEW CONDITION WHEN INSTALLATION IS COMPLETE. PROVIDE 16 GAUGE SHEET METAL PIPE ENCLOSURE FOR ALL VERTICAL PIPING. ENCLOSURE SHALL BE COMPLETE WITH BAKED ENAMEL FINISH WITH COLOR MATCHED SCREWS. COLOR OF ENCLOSURE SHALL BE AS SELECTED BY THE ARCHITECT. PROVIDE SLEEVES AND FIRE STOPPING AT EACH FLOOR PENETRATION. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.
10. NEW EJECTOR PUMP
SAW CUT EXISTING FLOOR AND EXCAVATE AS REQUIRED TO INSTALL NEW PIPING, BASIN AND PUMP. CONNECT NEW 4" UNDERGROUND SANITARY LINE TO PIT AND EXTEND PIPING AS INDICATED TO CONNECT TO NEW FIXTURES. EXTEND 2" DISCHARGE AND 3" VENT LINE UP IN WALL TO ABOVE CEILING. PATCH CONCRETE SLAB TO LIKE NEW CONDITION WHEN INSTALLATION IS COMPLETE. COORDINATE EXACT LOCATION OF PIT WITHIN CASEWORK AND WALL FRAMING TO PROVIDE REQUIRED CLEARANCES WITHIN BLIND CORNER CABINET.
11. NEW SANITARY RISER
EXTEND SANITARY LINE UP TO ABOVE FLOOR. REFER TO SUSPENDED PLUMBING PLAN FOR CONTINUATION.
12. NEW VENT RISER TO ABOVE FLOOR
EXTEND VENT LINE UP TO ABOVE FLOOR. REFER TO SUSPENDED PLUMBING PLAN FOR CONTINUATION.
13. NEW VENT RISER TO ABOVE CEILING
EXTEND VENT LINE UP TO ABOVE CEILING.
14. SUPPLY DROP TO FIXTURES
DROP 3/4" CW AND HW LINES DOWN IN CHASE TO CONNECT TO FIXTURES.



KEYPLAN

DRAWN	CHECKED
DKM	DKM
ISSUE DATE	
27 SEP 2021	
REVISION SCHEDULE	
NUMBER	DESCRIPTION DATE

PROJECT NUMBER	
13100-2021014	
PROJECT PHASE	
CONSTRUCTION DOCUMENTS	
SHEET	

FIRE PROTECTION NOTES

GENERAL

- THESE GENERAL NOTES APPLY TO ALL WORK.
- DO NOT SCALE DRAWINGS, USE FIELD MEASUREMENTS.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- PROVIDE FIRE SAFING AT ALL WALL, FLOOR AND ROOF PENETRATIONS. RATING OF MATERIAL SHALL MEET OR EXCEED WALL FIRE RATING.
- PROVIDE PIPE SLEEVES AT ALL WALL PENETRATIONS. SLEEVES SHALL BE SCHEDULE 40 STEEL PIPING WHICH SHALL EXTEND 1" PAST WALL ON BOTH SIDES OF WALL. PIPE INSULATION SHALL BE CONTINUOUS THROUGH WALL PENETRATION. FURNISH AND INSTALL FIRE SAFING BETWEEN SLEEVE AND PIPE INSULATION.
- PAINT ALL NEW EXPOSED PIPING, CONDUIT AND ASSOCIATED COMPONENTS COLOR AS SELECTED BY THE ARCHITECT.
- PROVIDE ACCESS PANELS IN CEILINGS AT ALL VALVING AND EQUIPMENT INSTALLED ABOVE INACCESSIBLE CEILINGS.
- ALL PIPING IN AREAS WITH SUSPENDED CEILINGS SHALL BE INSTALLED ABOVE CEILING. ALL PIPING RUN IN AREAS WITH EXPOSED CEILINGS SHALL BE RUN AS HIGH AS POSSIBLE - UP WITHIN THE JOIST SPACE. PIPING IN GYMNASIUM / MULTI-PURPOSE AREAS WITH EXPOSED CEILINGS SHALL BE RUN ENTIRELY ABOVE THE BOTTOM CHORD OF THE JOISTS (WITH THE EXCEPTION OF THE ASSOCIATED SUPPLY MAIN AND DRAIN / TEST DROPS WHICH SHALL BE LOCATED TIGHT TO THE WALL) AND SHALL BE COORDINATED WITH MECHANICAL DUCTWORK AND PLUMBING PIPING.
- SHOULD CONDITIONS NECESSITATE ANY REARRANGEMENT OF PIPING OR EQUIPMENT OR IF SAME CAN BE RUN TO BETTER ADVANTAGE, THE CONTRACTOR SHALL PREPARE AND SUBMIT DRAWINGS SHOWING THE CHANGES BEFORE PROCEEDING WITH THE WORK. IF SUCH CHANGES ARE APPROVED, THEY SHALL BECOME A PART OF THIS CONTRACT.
- THE DRAWINGS AND DETAILS SHALL BE TAKEN AS A DIAGRAMMATIC MEANS OF PROVIDING PIPING AND EQUIPMENT. THEY DO NOT SHOW EVERY FITTING AND OFFSET, NOR EVERY STRUCTURAL, ELECTRICAL, PIPING, OR DUCTWORK CONFLICT THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF THE WORK.
- THE WORK HAS BEEN DESIGNED FOR THE EQUIPMENT INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE AND PROVIDE ANY MODIFICATIONS TO THE WORK INCLUDING, BUT NOT NECESSARILY LIMITED TO, DUCTWORK, PIPING, ELECTRICAL, PLUMBING, STRUCTURAL, LIGHTING, OUTLETS, AND ARCHITECTURAL FEATURES SUCH AS CEILINGS, DOORS AND FRAMES, CASEWORK, ETC. REQUIRED TO PROPERLY PROVIDE EQUIPMENT OTHER THAN THAT INDICATED ON THE DRAWINGS.
- THE DIAGRAMS SHOW THE RELATIONSHIP OF MAJOR COMPONENTS OF THE FIRE PROTECTION SYSTEM. PROVIDE COMPLETE TRIM AS REQUIRED TO MEET NFPA & CODE REQUIREMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- COORDINATE SPRINKLER HEAD LOCATION AND ALL LENGTHS OF PIPING WITH OTHER TRADES IN FIELD PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ANY ADDITIONAL HEADS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION AT NO ADDITIONAL COST.
- ALL SPRINKLER HEADS SHOWN ARE STANDARD COVERAGE UNLESS NOTED OTHERWISE. EXTENDED COVERAGE HEADS WILL NOT BE ACCEPTED IN ANY AREAS OTHER THAN THOSE AREAS NOTED.
- THE SPRINKLER SYSTEM SHALL BE DESIGNED FOR LIGHT HAZARD THROUGHOUT THE BUILDING WITH THE FOLLOWING EXCEPTIONS: MECHANICAL ROOMS, KITCHEN, STAGE AREAS, STORAGE AREAS LESS THAN 1000 SQFT, LIBRARY (LARGE BOOK STACK AREAS) AND ATTIC - WHICH SHALL BE DESIGNED FOR ORDINARY HAZARD. STORAGE AREAS GREATER THAN 1000 SQFT SHALL BE DESIGNED BASED ON THE COMMODITY TO BE STORED WITHIN - COMMODITIES SHALL BE ASSUMED TO BE CLASS IV COMMODITIES.
- ALL FIRE PROTECTION SPRINKLER SYSTEMS INSTALLED OR MODIFIED AS PART OF THIS CONTRACT SHALL BE HYDRAULICALLY DESIGNED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF ILLINOIS. THE ASSOCIATED SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE SIGNED AND STAMPED BY SUCH ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SUPPORTS AND HANGERS FOR PIPING AND EQUIPMENT WITH ALL STRUCTURAL ELEMENTS OF THE BUILDING TO PROVIDE PROPER SUPPORT PER NFPA 13 REQUIREMENTS.
- PRIOR TO FINAL SYSTEM ACCEPTANCE THE CONTRACTOR SHALL:
 - PERFORM ALL REQUIRED ACCEPTANCE TESTS AS REQUIRED BY NFPA 13.
 - SUBMIT FOR REVIEW - COMPLETED AND SIGNED APPROPRIATE CONTRACTOR'S MATERIAL AND TEST CERTIFICATES INCLUDING BUT NOT LIMITED TO CERTIFICATES FOR ABOVEGROUND & UNDERGROUND PIPING.
 - NOTIFY THE AUTHORITY HAVING JURISDICTION AND THE OWNER'S REPRESENTATIVE OF THE TIME AND DATE TESTING WILL BE PERFORMED.
- SPRINKLER HEADS SHALL BE INSTALLED AT THE CENTER OF EACH CEILING PANEL. REFER TO DETAIL FOR ADDITIONAL INFORMATION.

REMODELING AND DEMOLITION

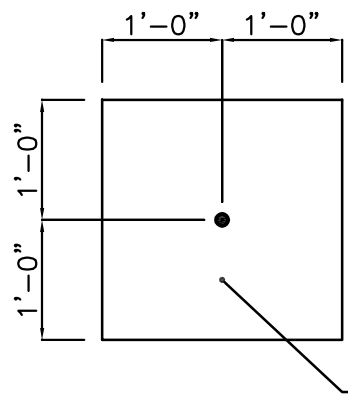
- THE CONTRACTOR MUST VISIT THE SITE PRIOR TO SUBMITTING THE BID PROPOSAL TO BECOME FAMILIAR WITH THE EXISTING SITE AND BUILDING CONDITIONS WHICH WILL BE AFFECTED DURING CONSTRUCTION. THE CONTRACTOR IS CAUTIONED THAT THIS PROJECT IS A REMODELING JOB AND IT IS ASSUMED THAT FUNDS HAVE BEEN INCLUDED IN THE BID TO COVER UNFORESEEN ITEMS WHICH MUST BE MOVED, RELOCATED, OR ADJUSTED TO FIT THE WORK. NO EXTRA COMPENSATION WILL BE ALLOWED FOR ANY MATTER OR THING WHICH THE CONTRACTOR MIGHT HAVE BEEN FULLY INFORMED OF PRIOR TO BIDDING.
- ALL CUTTING AND PATCHING, RELOCATING OF ANY EQUIPMENT, LIGHTING FIXTURES, CONDUIT, PIPING, ETC., NECESSARY TO PERFORM THE WORK WILL BE THE CONTRACTOR'S RESPONSIBILITY UNLESS NOTED OTHERWISE. ALL AFFECTED SURFACES WILL BE RESTORED TO THEIR ORIGINAL CONDITION.
- ALL EXISTING PIPING SIZES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR FOR LOCATION AND SIZE.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND COORDINATE SAME WITH ALL OTHER TRADES.
- REMOVE ANY CEILING TILES, GRID, AND LIGHT FIXTURES REQUIRED TO ACCOMPLISH THE WORK. REPLACE SAME AFTER THE INSTALLATION IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE ANY ITEMS DAMAGED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ELECTRICAL LINES, PLUMBING LINES, DUCTWORK, OR MECHANICAL PIPING LOCATED IN WALLS OR FLOORS PRIOR TO SAW CUTTING OR CORE DRILLING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY SUCH ITEMS DAMAGED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MODIFICATIONS TO EXISTING OPENINGS WHICH WILL BE REUSED. THIS SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, ALL SAW CUTTING, INSTALLATION OF NEW LINTELS, FIRE PROOFING AND INFILL OF MASONRY OPENINGS.

FIRE PROTECTION SYMBOLS

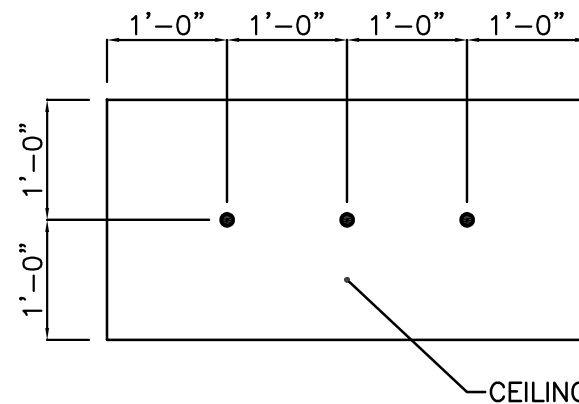
SYMBOL	DESCRIPTION
⊙	CONCEALED SPRINKLER HEAD
○	RECESSED SPRINKLER HEAD
—	FIRE PROTECTION LINE

NOTE:

- SPRINKLER HEAD COLOR SCHEDULE:
CONCEALED ——— WHITE
COLORS FOR ALL SPRINKLER HEADS SHALL BE AS INDICATED ABOVE UNLESS NOTED OTHERWISE.

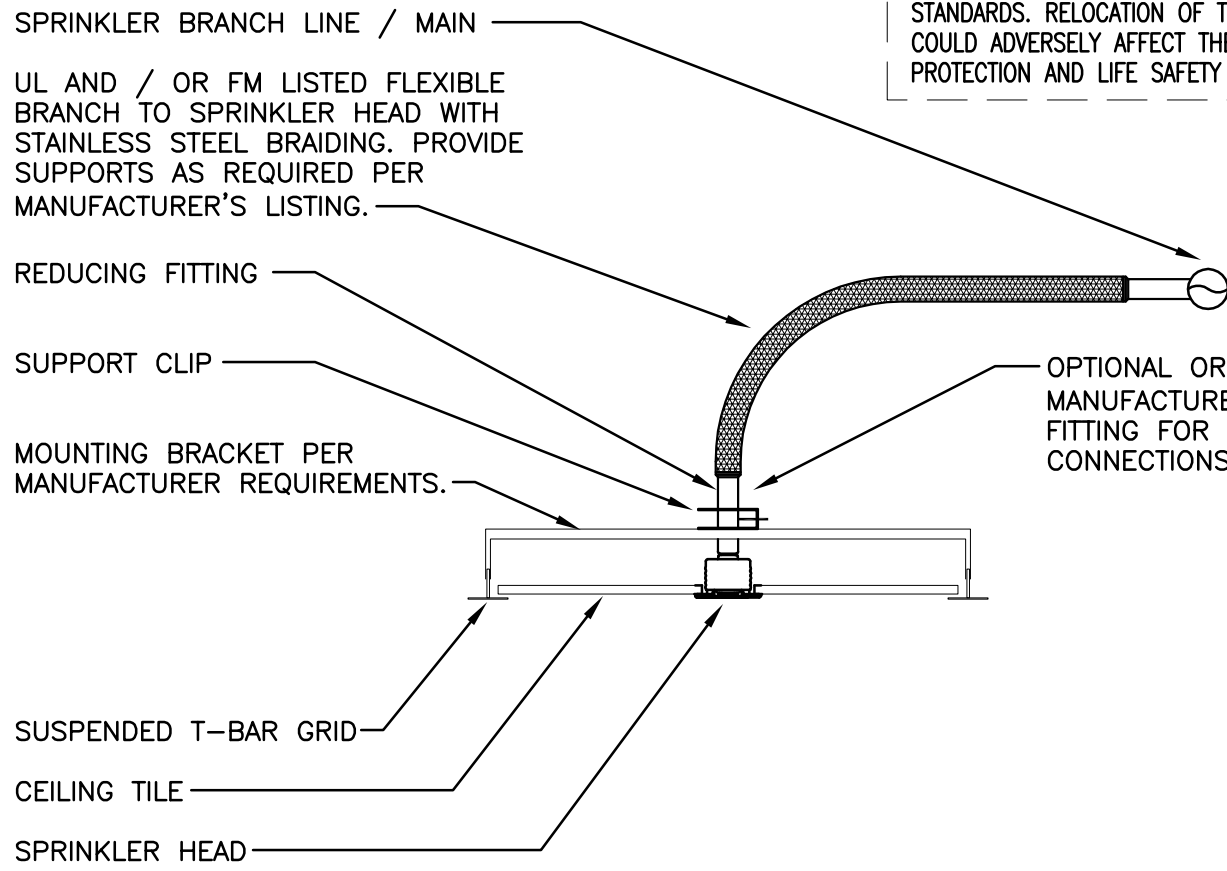


2x2' CEILING TILE
MOUNTING LOCATION



2x4' CEILING TILE
MOUNTING LOCATIONS

PENDANT SPRINKLER HEAD DETAIL
NOT TO SCALE



FLEXIBLE CONNECTION TO SPRINKLER HEAD DETAIL
NOT TO SCALE

PROVIDE LABEL ON ANCHORING COMPONENT AS FOLLOWS:

CAUTION: DO NOT REMOVE THIS LABEL
RELOCATION OF THIS DEVICE SHOULD ONLY BE PERFORMED BY QUALIFIED AND/OR LICENSED INDIVIDUALS THAT ARE AWARE OF THE ORIGINAL SYSTEM DESIGN CRITERIA, HYDRAULIC CRITERIA, SPRINKLER HEAD LISTING PARAMETERS AND KNOWLEDGE OF THE STATE AND LOCAL CODES INCLUDING NFPA 13 INSTALLATION STANDARDS. RELOCATION OF THE DEVICE WITHOUT KNOWLEDGE COULD ADVERSELY AFFECT THE PERFORMANCE OF THIS FIRE PROTECTION AND LIFE SAFETY SYSTEM.

2022 RENOVATION WORK

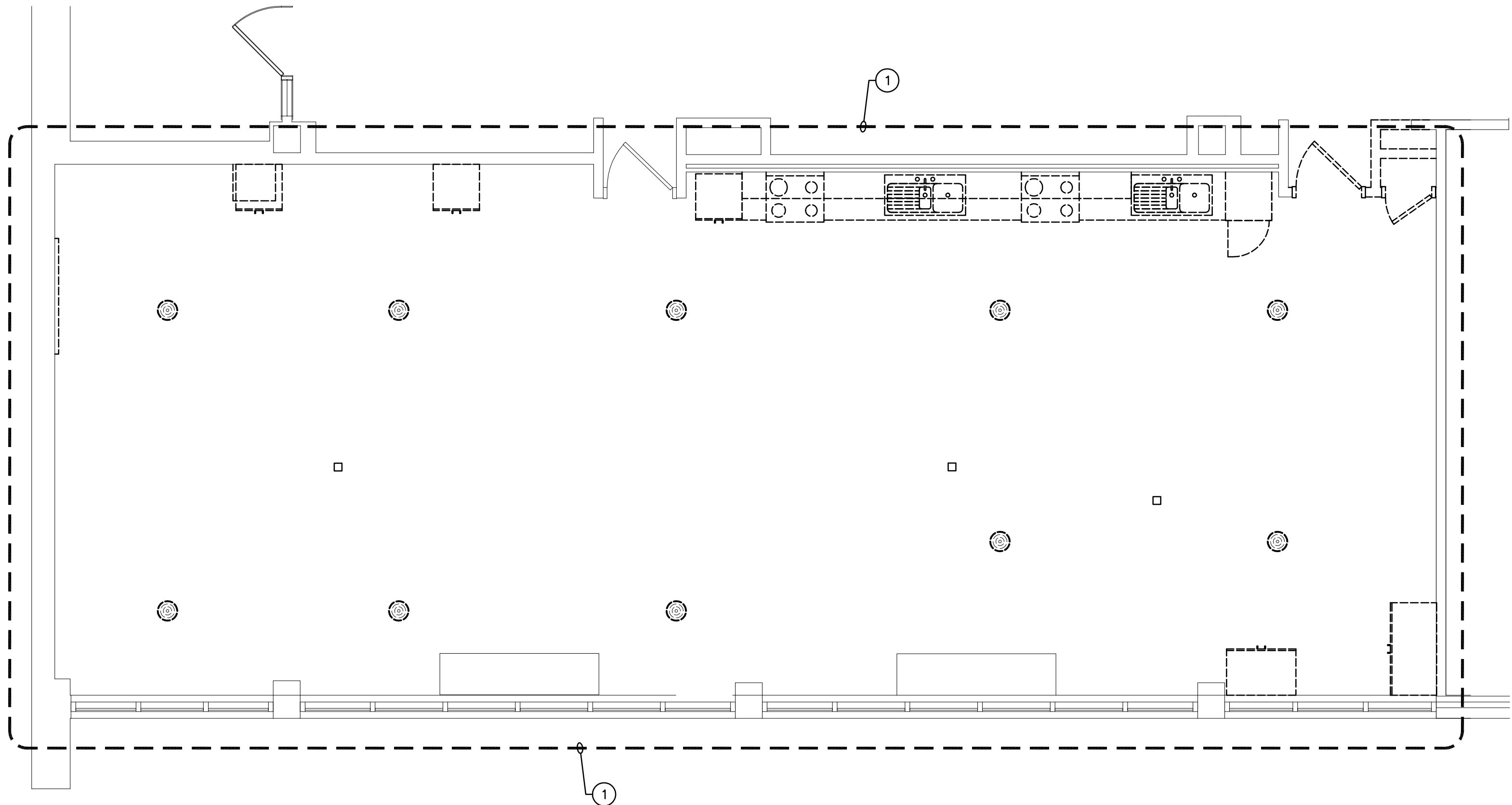
HADLEY JUNIOR HIGH SCHOOL
240 HAWTHORNE BOULEVARD, GLEN ELLYN, ILLINOIS, 60137
GLEN ELLYN SCHOOL DISTRICT 41
793 NORTH MAIN STREET, GLEN ELLYN, ILLINOIS 60137

FIRE PROTECTION NOTES AND SYMBOLS

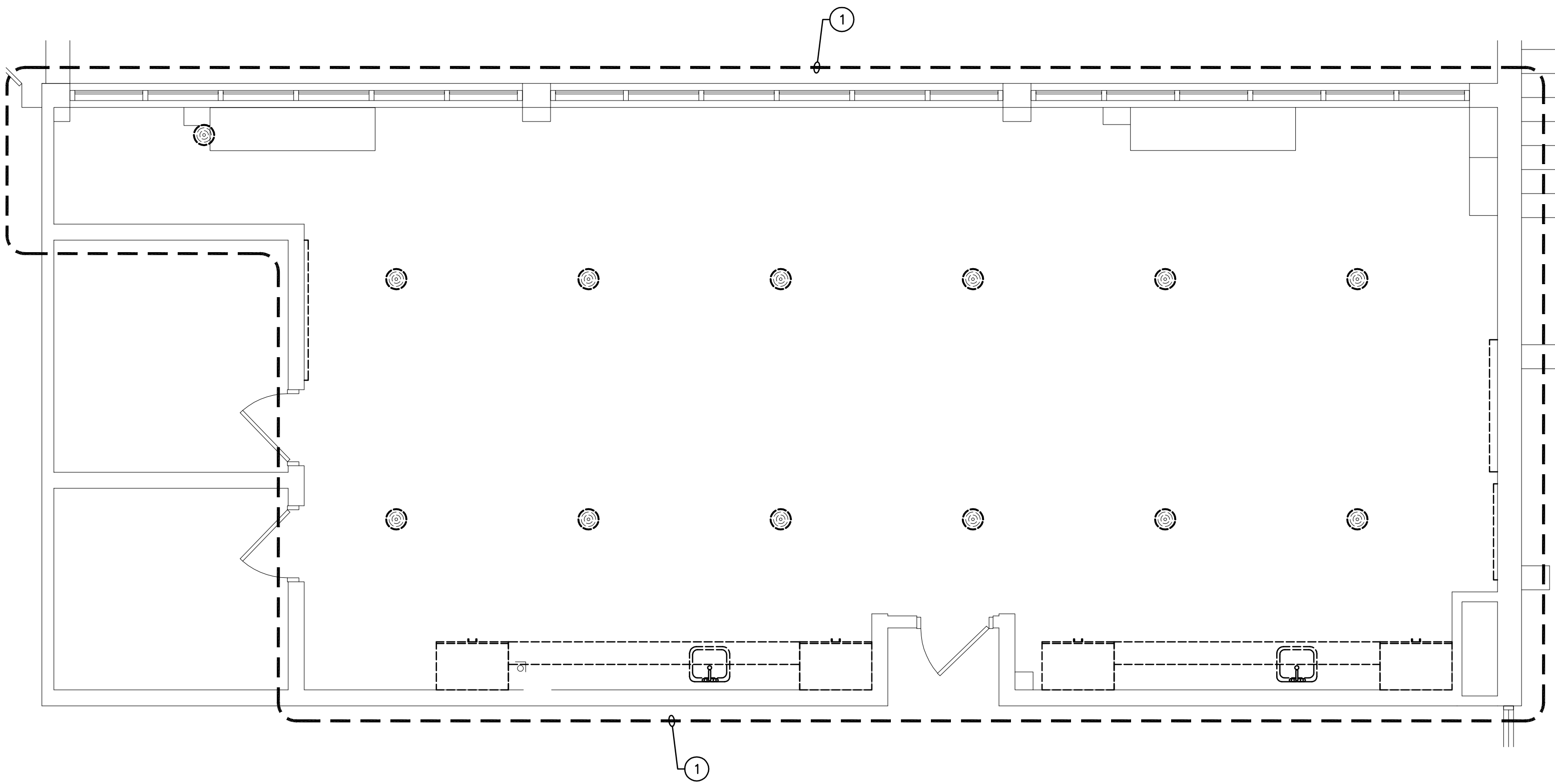
DRAWN DKM	CHECKED DKM
ISSUE DATE 27 SEP 2021	
REVISION SCHEDULE	
NUMBER	DESCRIPTION DATE

PROJECT NUMBER 13100-2021014
PROJECT PHASE CONSTRUCTION DOCUMENTS
SHEET

F-001



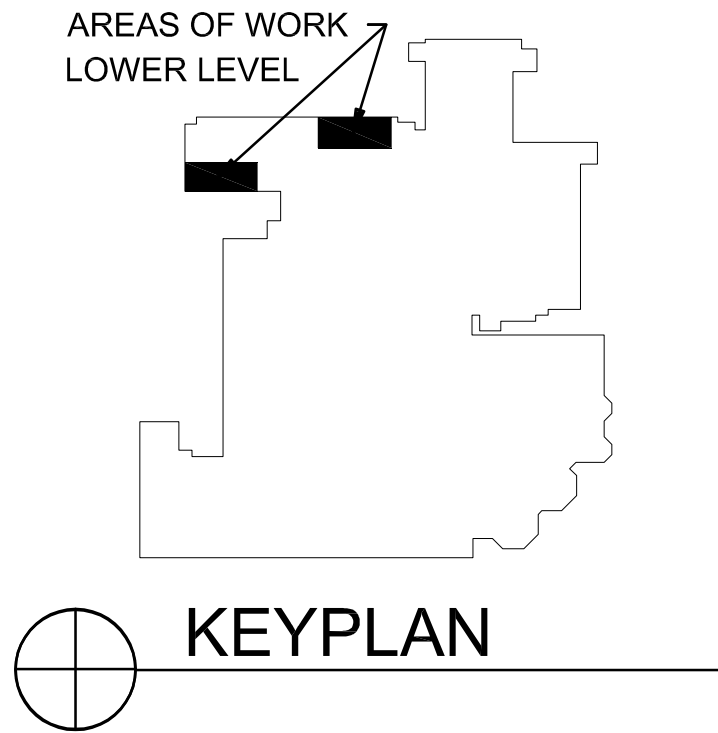
1 LIFE SKILLS 011 FIRE PROTECTION DEMOLITION PLAN
1/4" = 1'-0" 0' 2' 4' 16'



2 ART ROOM 004 FIRE PROTECTION DEMOLITION PLAN
1/4" = 1'-0" 0' 2' 4' 16'

GENERAL NOTES
1. ALL EXISTING EQUIPMENT IS TO REMAIN UNLESS NOTED OTHERWISE.

KEY NOTES
1 DEMOLITION OF EXISTING HEADS AND PIPING
DISCONNECT AND REMOVE EXISTING FIRE PROTECTION HEADS AND
ASSOCIATED BRANCH PIPING. REMAINING PIPING TO BE MODIFIED AND
REUSED.



2022 RENOVATION WORK
HADLEY JUNIOR HIGH SCHOOL
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GLEN ELLYN SCHOOL DISTRICT 41
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FIRE PROTECTION DEMOLITION PLANS

DRAWN
DKM

CHECKED
DKM

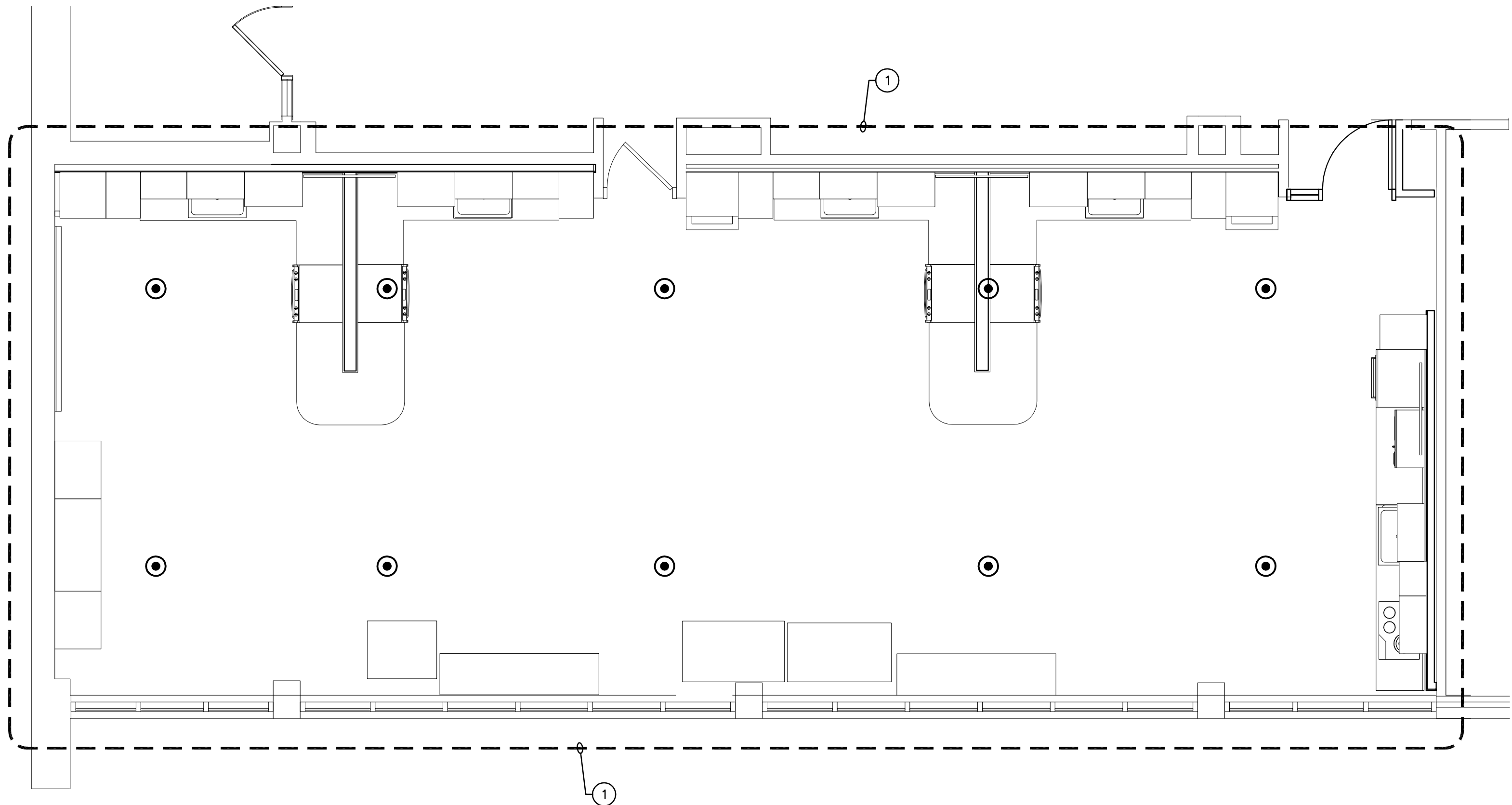
ISSUE DATE
27 SEP 2021

REVISION SCHEDULE		
NUMBER	DESCRIPTION	DATE

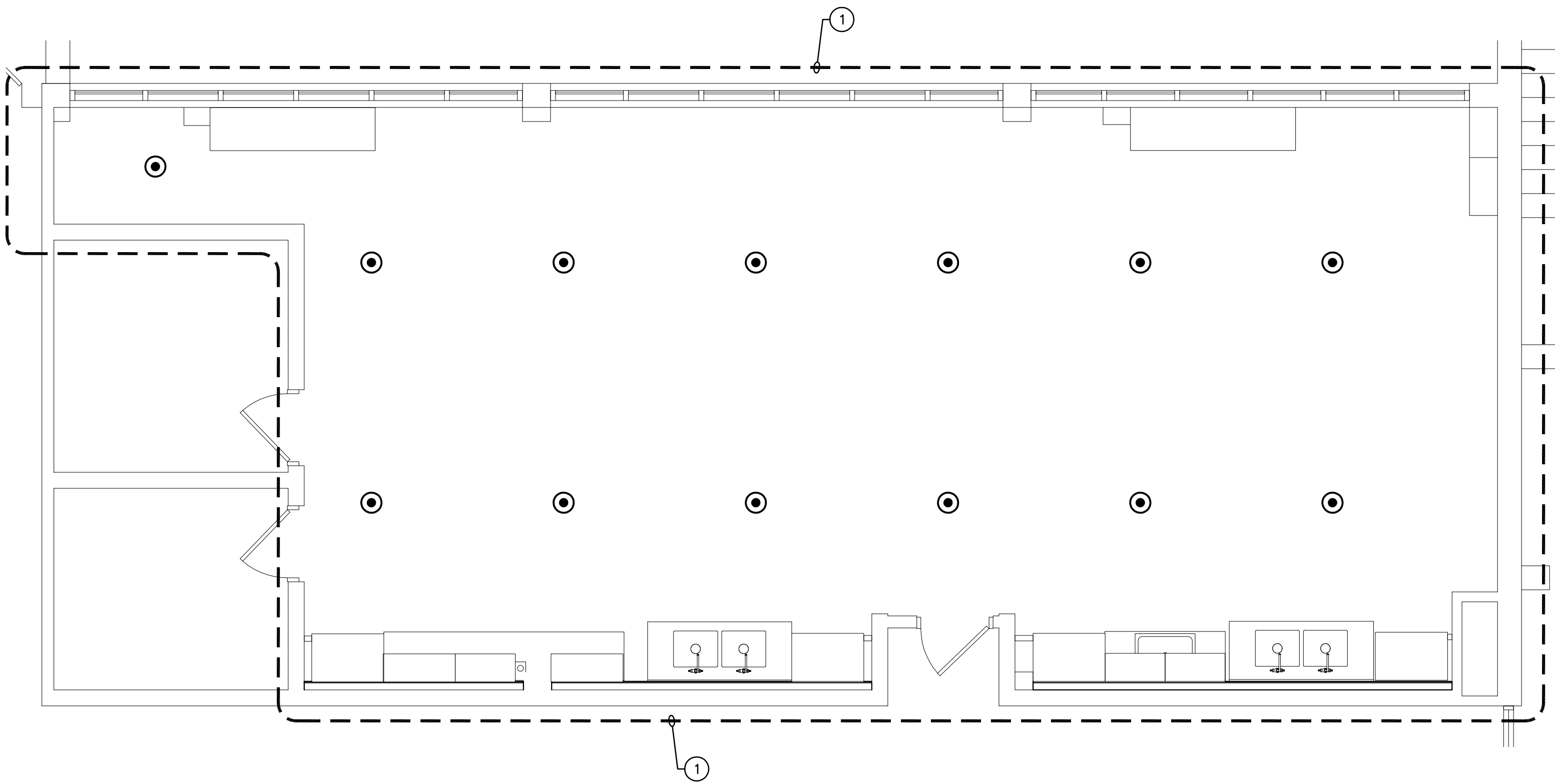
PROJECT NUMBER
13100-2021014

PROJECT PHASE
CONSTRUCTION DOCUMENTS

SHEET



1 LIFE SKILLS 011 FIRE PROTECTION FLOOR PLAN
1/4" = 1'-0" 0' 2' 4' 16'



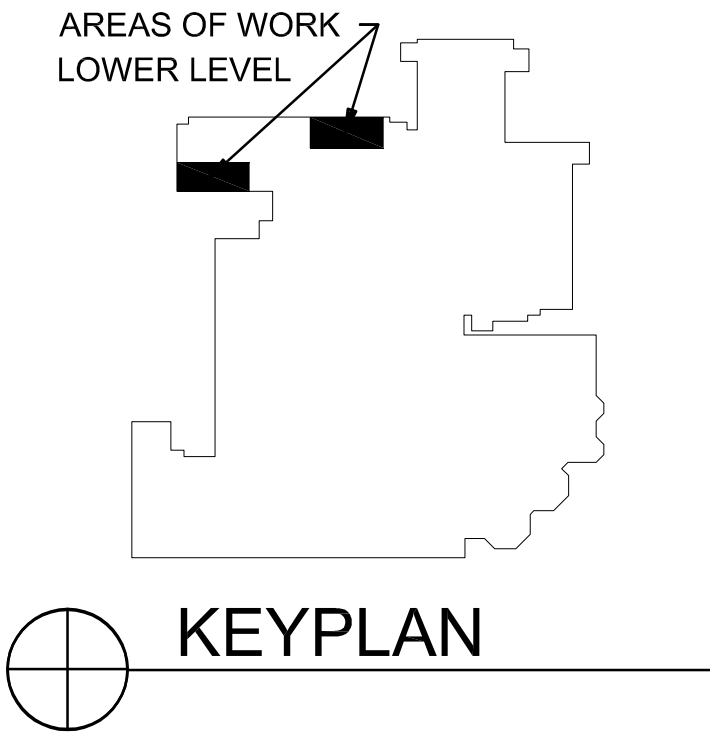
2 ART ROOM 004 FIRE PROTECTION FLOOR PLAN
1/4" = 1'-0" 0' 2' 4' 16'

GENERAL NOTES

1. ALL EXISTING EQUIPMENT IS TO REMAIN UNLESS NOTED OTHERWISE.

KEY NOTES

1 INSTALLATION OF NEW HEADS AND PIPING
INSTALL NEW HEADS IN NEW LOCATIONS IN NEW CEILING SYSTEM. EXTEND
REMAINING PIPING TO CONNECT TO NEW HEADS. VERIFY EXACT
REQUIREMENTS IN FIELD.



2022 RENOVATION WORK
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DRAWN	CHECKED
DKM	DKM
ISSUE DATE	
27 SEP 2021	
REVISION SCHEDULE	
NUMBER	DESCRIPTION DATE

PROJECT NUMBER	
13100-2021014	
PROJECT PHASE	
CONSTRUCTION DOCUMENTS	
SHEET	

GENERAL NOTES:

- THESE GENERAL NOTES APPLY TO ALL WORK IN THIS PROJECT. NOTES ON INDIVIDUAL DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS, WHETHER THEY ARE REPEATED OR NOT ON SUBSEQUENT DRAWINGS.
- REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL GENERAL NOTES WHICH WILL APPLY HERE.
- THE CONTRACTOR WILL REFER TO ARCHITECTURAL, CIVIL, STRUCTURAL, PLUMBING, FIRE PROTECTION, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR COORDINATION AND EXTENT OF THE WORK OF THE VARIOUS TRADES AND IMPACT ON HIS WORK.
- WITH THE APPROVAL OF THE ARCHITECT AND WITHOUT ADDITIONAL COST TO THE OWNER, MAKE MODIFICATIONS IN THE ONGOING WORK (INCLUDING RE-ROUTING AS REQUIRED BY INTERFERENCES WITH STRUCTURAL, GENERAL WORKS, AND THE WORK OF OTHER TRADES) FOR PROPER EXECUTION OF THE CONTRACT WORK.
- CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL ELECTRICAL INSTALLATION, THIS CONTRACTOR SHALL ADJUST RECEPTACLES, OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT, WHETHER OR NOT PURCHASED BY HIM. NO JUNCTION BOXES, EXISTING OR NEW, SHALL BE PLACED OR REMAIN BEHIND FINISHED SURFACES OR CASEWORK.
- ELECTRICAL CONTRACTOR SHALL VERIFY TOTAL CONNECTED LOAD/HP AND VOLTAGE WITH MECHANICAL CONTRACTOR PRIOR TO WIRING OF ALL HVAC EQUIPMENT. MAKE ANY REQUIRED CHANGES TO OVERCURRENT DEVICES OR FEEDER SIZE PER 2011 NFPA 70 NATIONAL ELECTRICAL CODE.
- CIRCUITS SHOWN TO THE PANELBOARDS FOR INDIVIDUAL LOADS AND WIRING ARE SCHEMATIC. THE CONTRACTOR SHALL HAVE THE OPTION TO MODIFY CONDUIT FILL AND RUNS IN ACCORDANCE WITH GOVERNING CODE (FOR RE-WIRING ON ANY EXISTING WORK) AND USING UP TO THE N.E.C.-STANDARD CONDUIT FILL FOR ANY NEW WORK. FINAL DECISIONS FOR MODIFICATION, RE-ROUTING, AND CONNECTION TO THE NEW (AND ANY EXISTING) SYSTEM SHALL BE MADE IN THE FIELD AND ACCURATELY AND COMPLETELY SHOWN IN THE "AS-BUILT" DRAWINGS.
- DO NOT SCALE DRAWINGS, USE FIELD MEASUREMENTS. THE INFORMATION SHOWN ON THESE PLANS IS SCHEMATIC AND CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL DIMENSIONS, SIZES, SYSTEM VOLTAGES, QUANTITIES, AND EXTENT OF WORK.
- ALL TEMPERATURE CONTROL WIRING SHALL BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR.
- CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL DETECTORS AND/OR SPEAKERS WITH LIGHT FIXTURES, SPRINKLER HEADS, AND CEILING DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN.
- WHETHER SHOWN ON PLANS OR NOT, ALL CONDUIT STUB-UPS FOR FIRE ALARM, TELEPHONE, DATA, INTERCOM, CAMERA/MONITORING, INTRUSION/ACCESS, AND THERMOSTAT/TEMPERATURE CONTROL SYSTEMS IN ROOMS WITHOUT ACCESSIBLE CEILINGS SHALL STUB TO ADJACENT ROOM'S OR CORRIDOR'S ACCESSIBLE CEILING.
- BOXES LOCATED ON OPPOSITE SIDES OF NON-FIRE-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE-RATED WALL SHALL OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
- WHERE SEVERAL DEVICES ARE GANGED TOGETHER, THE COVERPLATE SHALL BE OF THE GANGED STYLE FOR THE NUMBER OF DEVICES USED.
- THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE A.D.A.A.G. (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES.) AND ILLINOIS ACCESSIBILITY CODE.
- THE CONTRACTOR MUST VISIT THE SITE TO FAMILIARIZE HIMSELF WITH THE EXISTING SITE CONDITIONS WHICH WILL BE AFFECTED DURING CONSTRUCTION, PRIOR TO SUBMITTING HIS BID PROPOSAL.
- WHERE NEW CONDUIT IS ROUTED THROUGH INTERIOR WALLS, FIRESTOP MATERIAL SHALL BE USED AT ALL PENETRATIONS. WHERE NEW CONDUIT IS ROUTED THROUGH EXTERIOR WALLS, WEATHERPROOF CONDUIT SEALS SHALL BE USED AT ALL PENETRATIONS.

GENERAL RENOVATION NOTES:

- THE CONTRACTOR MUST VISIT THE SITE TO FAMILIARIZE HIMSELF WITH THE EXISTING SITE AND BUILDING CONDITIONS WHICH WILL BE AFFECTED DURING CONSTRUCTION PRIOR TO SUBMITTING HIS BID PROPOSAL. CONTRACTOR IS CAUTIONED THAT THE PROJECT IS A REMODELED JOB AND IT IS ASSUMED THAT HE HAS INCLUDED FUNDS IN HIS BID TO COVER UNFORESEEN ITEMS WHICH MUST BE MOVED, RELOCATED OR ADJUSTED TO FIT HIS WORK. NO EXTRA COMPENSATION WILL BE ALLOWED FOR ANY MATTER OR THINGS WHICH MIGHT HAVE FULLY INFORMED HIMSELF PRIOR TO BIDDING.
- CONTRACTOR WILL REFER TO ARCHITECTURAL DRAWINGS WHICH SHOW REMOVED WALLS AND OTHER ITEMS IN REFERENCE TO REMODELING, DEMOLITION AND BUILDING ADDITIONS, AND FOR THE EXTENT OF THE WORK. ONLY MINOR DEMOLITION IS SHOWN ON ELECTRICAL DRAWINGS - DUE TO THE SMALL SCALE AND INTERFERENCE OF EXISTING EQUIPMENT, EACH AND EVERY ITEM IS NOT SHOWN. SHOWN INFORMATION IS INTENDED AS A GUIDE. CONTRACTOR WILL VERIFY ALL INFORMATION AND CONDITIONS IN THE FIELD.
- ALL CUTTING AND PATCHING, RELOCATION OF ANY EQUIPMENT, LIGHTING FIXTURE, CONDUIT, PIPING, ETC., NECESSARY FOR ANY WORK UNDER THIS CONTRACT WILL BE BY THE RESPECTIVE CONTRACTORS UNLESS NOTED OTHERWISE IN THE ARCHITECTURAL SECTIONS. THIS CONTRACTOR SHALL COORDINATE ALL HIS WORK WITH OTHER CONTRACTORS ON THE JOBSITE BEFORE REMOVING OR RELOCATING EXISTING ELECTRICAL EQUIPMENT (FOR EXAMPLE: LIGHTING FIXTURES, RECEPTACLES, DEVICES, CONDUIT AND WIRING) IN CONFLICT WITH NEW CONSTRUCTION, OR INSTALLING NEW EQUIPMENT. NO ADDITIONAL COST WILL BE PERMITTED FOR SUCH COORDINATION. LOWER ALL EXISTING ELECTRICAL DEVICES BELOW NEW CEILINGS, RESTORED TO THEIR ORIGINAL CONDITION. BEFORE ANY CUTTING, APPROVAL BY THE ARCHITECT IS NECESSARY. VERIFY ALL REQUIREMENTS IN FIELD.
- WHERE WIRING DEVICE, TELEPHONE, INTERCOM, FIXTURE, MOTOR, STARTER, DISCONNECT SWITCH, ETC., IS NOTED TO BE REMOVED, INSTALL BLANK BRUSHED STEEL COVERPLATES ON OUTLET BOXES RECESSED IN EXPOSED WALLS WHICH ARE TO REMAIN. AFTER CIRCUIT REMOVAL, CONTINUITY SHALL BE CHECKED FOR ALL OUTLETS IN THE AREAS NOT BEING REMODELED, TO INSURE PROPER FUNCTION. EQUIPMENT REMOVAL IN CERTAIN LOCATIONS MAY REQUIRE THE INSTALLATION OF A JUNCTION BOX TO RECONNECT CIRCUITS THAT REMAIN IN OPERATION. THESE CIRCUITS SHALL BE INTERCEPTED AT A LOCATION THAT DOES NOT INTERFERE WITH NEW CONSTRUCTION. EXTEND NEW CONDUIT TO BRIDGE REMOVED SECTIONS; HOME RUN CIRCUITING FOR THESE INTERRUPTED CIRCUITS SHALL BE NEW WIRING.
- ALL EXISTING CONDUITS WHICH ARE NOTED TO BE RELOCATED, WILL BE RELOCATED IN A MANNER WHICH WILL REDUCE ITS LENGTH TO ALLOW THE REUSE OF EXISTING COMMUNICATION AND POWER WIRE, WHERE THE RELOCATION INCREASES THE LENGTH AND SUFFICIENT SLACK IS NOT AVAILABLE, COMMUNICATION CABLE MUST BE REPLACED, AND JUNCTION BOXES, CONDUIT AND NEW WIRE SPLICES FOR POWER WIRING ADDED. EXTEND WIRE AS REQUIRED.
- ALL RELOCATED LIGHTING FIXTURES (AND EXISTING LIGHTING FIXTURES WHICH ARE TO REMAIN IN REMODELED AREAS) WILL BE CLEANED, WASHED AND NEW LAMPS INSTALLED. REPLACE EXISTING DEFECTIVE BALLASTS.
- ALL UNUSED JUNCTION BOXES, CONDUIT AND WIRE WHICH IS EXISTING IN THE REMODELED AREAS AND WAS ABANDONED, SHALL BE REMOVED ALONG WITH CONDUIT AND WIRE CAUSED TO BE ABANDONED DUE TO THIS REMODELING. ABANDONED INTERCOM, TELEPHONE, DATA, ANTENNA AND VIDEO WIRE WILL BE REMOVED COMPLETE FROM POINT OF ORIGINATION TO POINT OF USE. VERIFY WITH OWNER. EXISTING CONDUIT IN GOOD CONDITION, MAY BE REUSED IN PLACE. BONDING CONDUCTORS SHALL BE INSTALLED IN ALL REUSED CONDUIT TO INSURE PROPER GROUND PATH. RELOCATED EXISTING CONDUIT SHALL NOT BE ALLOWED.
- ALL EXISTING EQUIPMENT IS TO REMAIN OPERATIONAL DURING CONSTRUCTION PERIOD. ANY TEMPORARY WIRING OR REROUTING OF CIRCUITRY TO ACHIEVE THIS IS BY ELECTRICAL CONTRACTOR. SHUTDOWN OF EXISTING SERVICES SHALL ONLY BE PERMITTED UPON CONTACTING AND OBTAINING WRITTEN APPROVAL FROM THE OWNER, AND THEN ONLY FOR THE DATE AND DURATION AGREED UPON. INCLUDE ALL PREMIUM TIME CHARGES ASSOCIATED WITH SERVICE WORK IN THE BASE BID.
- OWNER SHALL HAVE THE OPTION OF SELECTING ANY OR ALL OF THE ITEMS WHICH ARE DESIGNATED TO BE REMOVED BY THE CONTRACTOR AS SALVAGE FOR THE OWNER. CONTRACTOR SHALL REMOVE SUCH ITEMS WITH EXTREME CARE AND RETURN SUCH ITEMS TO THE OWNER. ANY EQUIPMENT WHICH THE OWNER DOES NOT WANT SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND BE PROMPTLY REMOVED FROM THE SITE.
- CONTRACTOR SHALL REMOVE AND INSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF ELECTRICAL WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.
- BALLASTS MANUFACTURED PRIOR TO 1980 CONTAIN PCB'S, AND HID AND FLUORESCENT LAMPS CONTAIN MERCURY; THESE SHALL BE DISPOSED OF BY A FEDERAL OR STATE E.P.A.-APPROVED METHOD AND IN ACCORDANCE WITH SPECIFICATIONS.
- ALL EXISTING OUTLETS, JUNCTION BOXES, CONDUIT AND WIRE WHICH IS SUPPORTED BY THE EXISTING CEILING SYSTEM WILL BE RE-SUPPORTED TO THE BUILDING CONSTRUCTION. NEW WIRING AND OUTLETS WILL BE SUPPORTED FROM THE BUILDING CONSTRUCTION. SUPPORT ALL EXISTING AND NEW WIRING FROM STRUCTURE.
- FOR NEW DEVICES SHOWN ON EXISTING WALLS IN FINISHED AND OCCUPIED AREAS, CUT AND CHANNEL EXISTING GYPSUM BOARD AND FULLY RECESS DEVICE BOXES AND ASSOCIATED CONDUIT, AND RESTORE TO MATCH ADJACENT FINISH. ON CONCRETE WALLS IN FINISHED AREAS, PROVIDE SURFACE RACEWAY AS SPECIFIED. SURFACE CONDUIT AND 1900 BOXES SHALL ONLY BE ALLOWED IN UNFINISHED AREAS.

TELECOMMUNICATIONS SINGLE-LINE DIAG.

NOT TO SCALE

GENERAL DATA WIRING NOTES:

- COMPLETE LABELING PLAN WILL BE GENERATED AND BECOME PART OF RECORD DOCUMENTS.
- LABELING PLAN WILL CONFORM TO INTENT OF TIA/EIA-606. COORDINATE REQUIREMENTS WITH OWNER.
- REFER TO SPECIFICATIONS FOR TYPE OF DATA AND VOICE WIRING.

POWER

SYMBOL			DESCRIPTION
FLOOR	WALL	CEILING	
G	G	G	ADJACENT TO DEVICE OR EQUIPMENT DENOTES GFCI TYPE RECEPTACLES.
H	H	H	ADJACENT TO DEVICE OR EQUIPMENT DENOTES ABOVE OR BELOW COUNTER, VERIFY HEIGHT.
			BRANCH PANELBOARD.
			DISTRIBUTION PANELBOARD.
			DRY TYPE TRANSFORMER. REFER TO TRANSFORMER SCHEDULE. FLOOR MOUNTED UNLESS OTHERWISE INDICATED. "W" INDICATES WALL-MOUNTED, "S" INDICATES SUSPENDED.
			ELECTRICAL UTILITY TRANSFORMER - PAD MOUNT.
			DUPLEX CONVENIENCE OUTLET +18". ALL INTERIOR RECEPTACLES SHALL BE TAMPER-RESISTANT TYPE UNLESS OTHERWISE NOTED.
			TWO DUPLEX CONVENIENCE OUTLETS MOUNTED UNDER ONE COVERPLATE. "C" DENOTES GRAY, COMPUTER DISTRIBUTION.
			GROUND FAULT CIRCUIT INTERRUPTER DUPLEX CONVENIENCE OUTLET WITH WEATHERPROOF OUTLET BOX & COVER (LOCKABLE CAST, WHILE-IN-USE). FOR OUTLETS MOUNTED ON ROOFTOP UNITS, PROVIDE WEATHERPROOF COVER.
			DUPLEX CONVENIENCE OUTLET WITH (2) USB TYPE 2.0 PORTS. USB TAMPER-RESISTANT RECEPTACLE +18".
			DUPLEX CONVENIENCE OUTLET, CEILING MOUNTED.
			SPECIAL PURPOSE OUTLET FOR SERVICE AS NOTED ON THE DRAWINGS.
			PROVIDE A SINGLE RECEPTACLE WITHIN MECHANICAL UNIT FOR CONDENSATE PUMP. CONNECT TO LINE SIDE OF MECHANICAL UNIT DISCONNECT SWITCH.
			DATA OUTLET (+18" UNLESS NOTED), SURFACE MOUNTED. REFER TO DETAILS.
			DATA OUTLET (+18" UNLESS NOTED) WITH 1" CONDUIT RUN UP WALL AND TURNED OUT ABOVE SUSPENDED CEILING. SEE BACKBOX DETAILS.
			DATA OUTLET +18", SURFACE MOUNTED WITH SURFACE BACKBOX.
			VIDEO OUTPUT STATION (X INDICATES A SPECIFIC STATION; I.E., STATION A, STATION B). PROVIDE DOUBLE DUPLEX RECEPTACLES IN COMMON BOX FOR ELECTRICAL SYSTEMS, OR SURFACE RACEWAY. SEE STRUCTURED CABLING SYMBOLS FOR STRUCTURED CABLING EQUIPMENT. REFER TO DETAIL(S) AND ONE-LINE DIAGRAM(S) FOR ADDITIONAL INFORMATION.
			JUNCTION BOX - SIZE AS REQUIRED - MINIMUM OF 4" SQUARE.
			MOTOR OUTLET, HORSEPOWER AS NOTED.
			DISCONNECT SWITCH - HORSEPOWER RATED, FUSED OR UNFUSED, AS REQUIRED OR NOTED. WP DENOTES WEATHERPROOF TYPE.
			MAGNETIC COMBINATION MOTOR STARTER AND DISCONNECT SWITCH.
			CONCEALED CONDUIT AND WIRE RUN.
			ISOLATED GROUND WIRE.
			CONCEALED CONDUIT AND WIRE RUN. 2#12 UNLESS NOTED. SYMBOL DENOTES 3#12.
			MANUAL MOTOR STARTER WITH THERMAL OVERLOAD ELEMENT.

FIRE ALARM

SYMBOL			DESCRIPTION
FLOOR	WALL	CEILING	
			FIRE ALARM/MASS NOTIFICATION CONTROL PANEL +4'-0".
			ANNUNCIATOR, +4'-0".
			NOTIFICATION APPLIANCE CIRCUIT POWER SUPPLY.
			ADDRESSABLE MODULE.
			SMOKE DETECTOR CONNECTED TO BUILDING SYSTEM.
			DUCT DETECTOR LOCATED IN THE MAIN DUCTS ON THE DOWNSTREAM SIDE OF THE FILTERS. "DR" DENOTES RETURN DUCT. "DS" DENOTES SUPPLY DUCT.
			SMOKE DETECTOR, BEAM-TYPE. BT = TRANSMIT, BR = RECEIVE. VERIFY EXACT MOUNTING HEIGHT IN FIELD TO AVOID OBSTRUCTIONS FROM CEILING.
			AUTOMATIC HEAT DETECTOR, RATE-OF-RISE. "FT" DENOTES FIXED TEMP.
			MANUAL PULL STATION, +4'-0".
			CARBON MONOXIDE DETECTOR CONNECTED TO BUILDING SYSTEM. SEE SPECIFICATIONS.
			CARBON MONOXIDE DETECTOR - HARSH ENVIRONMENT. CONNECTED TO BUILDING SYSTEM. SEE SPECIFICATIONS.
			CARBON MONOXIDE AUDIO/VISUAL WITH BLUE LENS. PROVIDE PERMANENT LABEL TO READ "CARBON MONOXIDE ALARM".
			AUDIO/VISUAL ALARM -6" BELOW CEILING OR MAXIMUM +80" ABOVE FINISHED FLOOR, WHICHEVER IS LOWER. ROOMS WITH MORE THAN ONE STROBE VISIBLE SHALL BE SYNCHRONIZED TO ONE STROBE.
			VISUAL ALARM -6" BELOW CEILING OR MAXIMUM +80" AFF, WHICHEVER IS LOWER. ROOMS WITH MORE THAN ONE STROBE VISIBLE SHALL BE SYNCHRONIZED.

STRUCTURED CABLING

SYMBOL			DESCRIPTION
FLOOR	WALL	CEILING	
			DATA DROP IN SURFACE RACEWAY, +18" UNLESS NOTED.
			DATA DROP IN RECESSED BOX FOR ELECTRICAL SYSTEMS WITH 1" CONDUIT RUN UP WALL AND TURNED OUT ABOVE SUSPENDED CEILING. +18" UNLESS NOTED.
			VOICE DROP IN SURFACE RACEWAY, +18" UNLESS NOTED.
			VOICE DROP IN RECESSED BOX FOR ELECTRICAL SYSTEMS WITH 1" CONDUIT RUN UP WALL AND TURNED OUT ABOVE SUSPENDED CEILING. +18" UNLESS NOTED.
			DATA STATION IN COMMON BOX FOR ELECTRICAL SYSTEMS, OR SURFACE RACEWAY. (X INDICATES A SPECIFIC STATION; I.E., STATION A, STATION B.) REFER TO DETAIL(S) AND ONE-LINE DIAGRAM(S) FOR ADDITIONAL INFORMATION. COORDINATE ALL BOX LOCATIONS IN FIELD WITH ARCHITECT PRIOR TO CONSTRUCTION. SEE POWER SYMBOLS FOR POWER EQUIPMENT.
			VIDEO OUTPUT STATION IN COMMON BOX FOR ELECTRICAL SYSTEMS, OR SURFACE RACEWAY. (X INDICATES A SPECIFIC STATION; I.E., STATION A, STATION B.) REFER TO DETAIL(S) AND ONE-LINE DIAGRAM(S) FOR ADDITIONAL INFORMATION. COORDINATE ALL BOX LOCATIONS IN FIELD WITH ARCHITECT PRIOR TO CONSTRUCTION. SEE POWER SYMBOLS FOR POWER EQUIPMENT.
			VIDEO INPUT STATION IN COMMON BOX FOR ELECTRICAL SYSTEMS, OR SURFACE RACEWAY. (X INDICATES A SPECIFIC STATION; I.E., STATION A, STATION B.) REFER TO DETAIL(S) AND ONE-LINE DIAGRAM(S) FOR ADDITIONAL INFORMATION. COORDINATE ALL BOX LOCATIONS IN FIELD WITH ARCHITECT PRIOR TO CONSTRUCTION. SEE POWER SYMBOLS FOR POWER EQUIPMENT.
			TV STATION IN COMMON BOX FOR ELECTRICAL SYSTEMS, OR SURFACE RACEWAY. REFER TO DETAIL(S) AND ONE-LINE DIAGRAM(S) FOR ADDITIONAL INFORMATION. COORDINATE ALL BOX LOCATIONS IN FIELD WITH ARCHITECT PRIOR TO CONSTRUCTION. SEE POWER SYMBOLS FOR POWER EQUIPMENT.
			FLOORBOX AS INDICATED ON FLOOR PLANS: OMNIBOX SERIES CAST-IRON VERSION WITH DATA JACK. SEE DRAWING FOR NUMBER OF GANES, BRASS CARPET, OR TILE FLANGE. (SEE FLOOR TYPE). PROVIDE GROMMET/MOUSE HOLE STYLE COVER PLATE, AND LOW VOLTAGE DIVIDER.
			WIRELESS ACCESS POINT. SURFACE MOUNT BOX AT +12" ABOVE ACCESSIBLE CEILING (OR 6" BELOW CEILING JOISTS) AND PROVIDE 20' OF SLACK CABLE COILED, TIE-WRAPPED AND SUPPORTED FROM BUILDING STRUCTURE. REFER TO DETAIL(S) AND TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

GENERAL ELECTRICAL

SYMBOL			DESCRIPTION
FLOOR	WALL	CEILING	
E	E	E	ADJACENT TO DEVICE OR EQUIPMENT DENOTES EXISTING TO REMAIN.
ER	ER	ER	ADJACENT TO DEVICE OR EQUIPMENT DENOTES EXISTING TO BE REPLACED WITH NEW.
N	N	N	ADJACENT TO DEVICE OR EQUIPMENT DENOTES NEW. WIRE SAME AS SHOWN ON PLAN.
R	R	R	ADJACENT TO DEVICE OR EQUIPMENT DENOTES EXISTING TO BE REMOVED COMPLETE WITH DEVICE, WIRE AND CONDUIT, WHERE OUTLET REMAINS IN EXISTING WALL. PROVIDE SUITABLE BLANK COVER. PROVIDE FOR WIRING CONTINUITY.
RR	RR	RR	ADJACENT TO DEVICE OR EQUIPMENT DENOTES EXISTING TO BE REMOVED AND RELOCATED. EXTEND OR ADD WIRING AS SHOWN ON PLAN.
WP	WP	WP	ADJACENT TO DEVICE OR EQUIPMENT DENOTES WEATHERPROOF TYPE.
WG	WG	WG	ADJACENT TO DEVICE OR EQUIPMENT DENOTES PROVIDE HEAVY-DUTY WIREGUARD.

LIGHTING

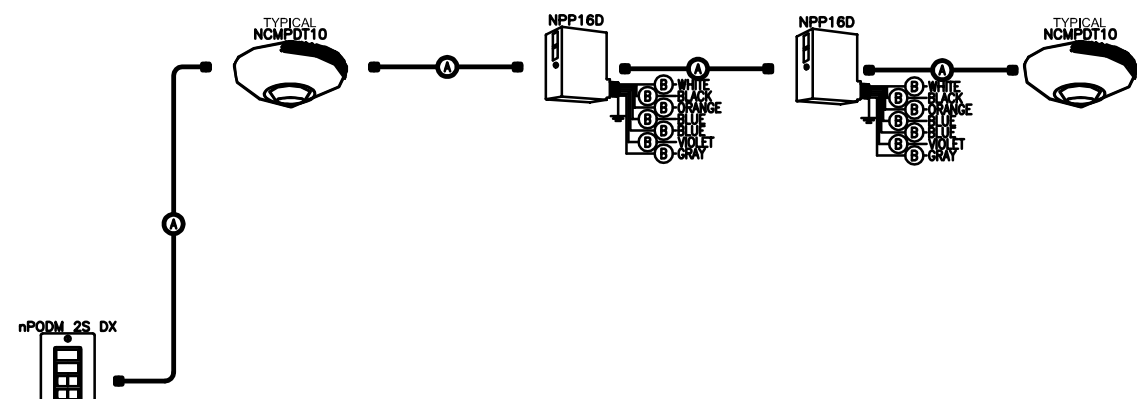
SYMBOL			DESCRIPTION
FLOOR	WALL	CEILING	
NL	NL	NL	ADJACENT TO DEVICE OR EQUIPMENT DENOTES NIGHT LIGHT.
EM	EM	EM	ADJACENT TO DEVICE OR EQUIPMENT DENOTES EMERGENCY.
			2' X 4' CEILING MOUNTED LED LIGHT FIXTURE; REFER TO LIGHTING FIXTURE SCHEDULE.
			1' X 4' CEILING MOUNTED LED LIGHT FIXTURE; REFER TO LIGHTING FIXTURE SCHEDULE.
			2' X 2' CEILING MOUNTED LED LIGHT FIXTURE; REFER TO LIGHTING FIXTURE SCHEDULE.
			WALL-MOUNTED LED LIGHT FIXTURE; REFER TO LIGHTING FIXTURE SCHEDULE.
			CEILING OR WALL-MOUNTED, SELF-CONTAINED EMERGENCY LIGHT UNIT; FIXTURE SHOWN MONITOR LIGHTING CIRCUIT IN AREA. REFER TO LIGHTING FIXTURE SCHEDULE.
			SINGLE-FACED CEILING OR WALL-MOUNTED EXIT SIGN WITH EMERGENCY POWER BACK UP AND DIRECTIONAL ARROWS AS INDICATED ON PLANS. REFER TO LIGHTING FIXTURE SCHEDULE.
			DOUBLE-FACED CEILING OR WALL-MOUNTED EXIT SIGN WITH EMERGENCY POWER BACK UP AND DIRECTIONAL ARROWS AS INDICATED ON PLANS. REFER TO LIGHTING FIXTURE SCHEDULE.

(LIGHTING CONTROL/DEVICES)

SYMBOL			DESCRIPTION
FLOOR	WALL	CEILING	
			SINGLE POLE-TOGGLE SWITCH +4'-0"
			0-10V DIMMER SWITCH +4'-0".
			KEY-OPERATED SINGLE-POLE TOGGLE SWITCH.
			3-WAY TOGGLE SWITCH +4'-0"
			WALL BOX ELECTRONIC TIMER SWITCH. PROVIDE DECORA STYLE COVERPLATE. COORDINATE INTERVAL SETTINGS WITH OWNER. PROVIDE NEUTRAL CONDUCTOR.
			SINGLE POLE TOGGLE SWITCH AND DUPLEX CONVENIENCE OUTLET UNDER ONE COVERPLATE.
			LOW VOLTAGE WALL SWITCH - nLIGHT nPODM DX ON/OFF AND RAISE/LOWER CONTROLLER. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS.
			LOW VOLTAGE WALL SWITCH - nLIGHT nPODM DX SCENE CONTROLLER. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS.
			LOW VOLTAGE TOUCH SCREEN INTERFACE FOR LIGHTING CONTROL. nLIGHT nPOD GFX. REFER TO DETAILS, DIAGRAMS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
			LIGHTING CONTROL LOW-VOLTAGE REMOTE CONTROL SWITCH.
			OCCUPANCY/VACANCY SENSOR FOR LIGHTING CONTROL: MS1 = nLIGHT nCAMP110 - EXTENDED RANGE 360° DAUL TECHNOOY SENSOR. MS2 = nLIGHT nCM10 - EXTENDED RANGE 360° PASSIVE INFRARED SENSOR. MS3 = SENSOR SWITCH - WSX PDT DAUL TECHNOLOGY. WALL SWITCH OCCUPANCY SENSOR.
			DAYLIGHT PHOTOCCELL = nLIGHT nCM ADCX.
			SENSOR RELAY. REFER TO OCCUPANCY SENSOR DETAILS & DIAGRAMS FOR ADDITIONAL INFORMATION.
			POWER PACK.

INTERCOM / MASTER CLOCK

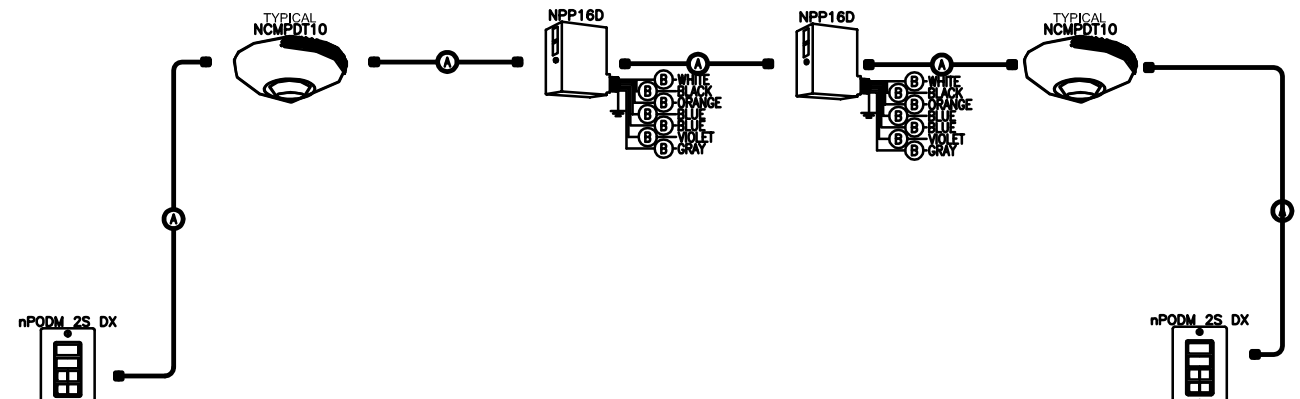
SYMBOL			DESCRIPTION
FLOOR	WALL	CEILING	
			ANALOG CLOCK. MOUNT AT MAXIMUM OF +8'-0". UNLESS NOTED OTHERWISE, PROVIDE 12" CLOCK. 15" AS NOTED. DS INDICATES DOUBLE-SIDED. SEE INTERCOM SYSTEM DIAGRAM AND SPECIFICATIONS.
			ANALOG CLOCK. MOUNT AT MAXIMUM OF +8'-0". UNLESS NOTED OTHERWISE, PROVIDE 12" CLOCK. 15" AS NOTED. DS INDICATES DOUBLE-SIDED. SEE INTERCOM SYSTEM DIAGRAM AND SPECIFICATIONS. 120V-1Ø PER UNIT.
			DIGITAL CLOCK. MOUNT AT MAXIMUM OF +8'-0". DS INDICATES DOUBLE-SIDED. SEE INTERCOM SYSTEM DIAGRAM AND SPECIFICATIONS. 120V-1Ø PER UNIT.
			SPEAKER. REFER TO DETAIL(S) AND TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
			CALL IN SWITCH +4'-0".
			COMBINATION CLOCK-SPEAKER UNIT MOUNTED AT +8'-0" WITH CALL IN SWITCH +4'-0".
			COMBINATION CLOCK-SPEAKER UNIT MOUNTED AT +8'-0" WITH CALL IN SWITCH +4'-0". 120V-1Ø PER CLOCK.
			COMBINATION DIGITAL CLOCK-SPEAKER UNIT MOUNTED AT +8'-0" WITH CALL IN SWITCH +4'-0". 120V-1Ø PER CLOCK.
			ADMINISTRATIVE JACK AND DESK MOUNT PHONE.
			VOLUME CONTROL, +4'-0" A.F.F.



SEQUENCE OF OPERATION:

ART ROOM.

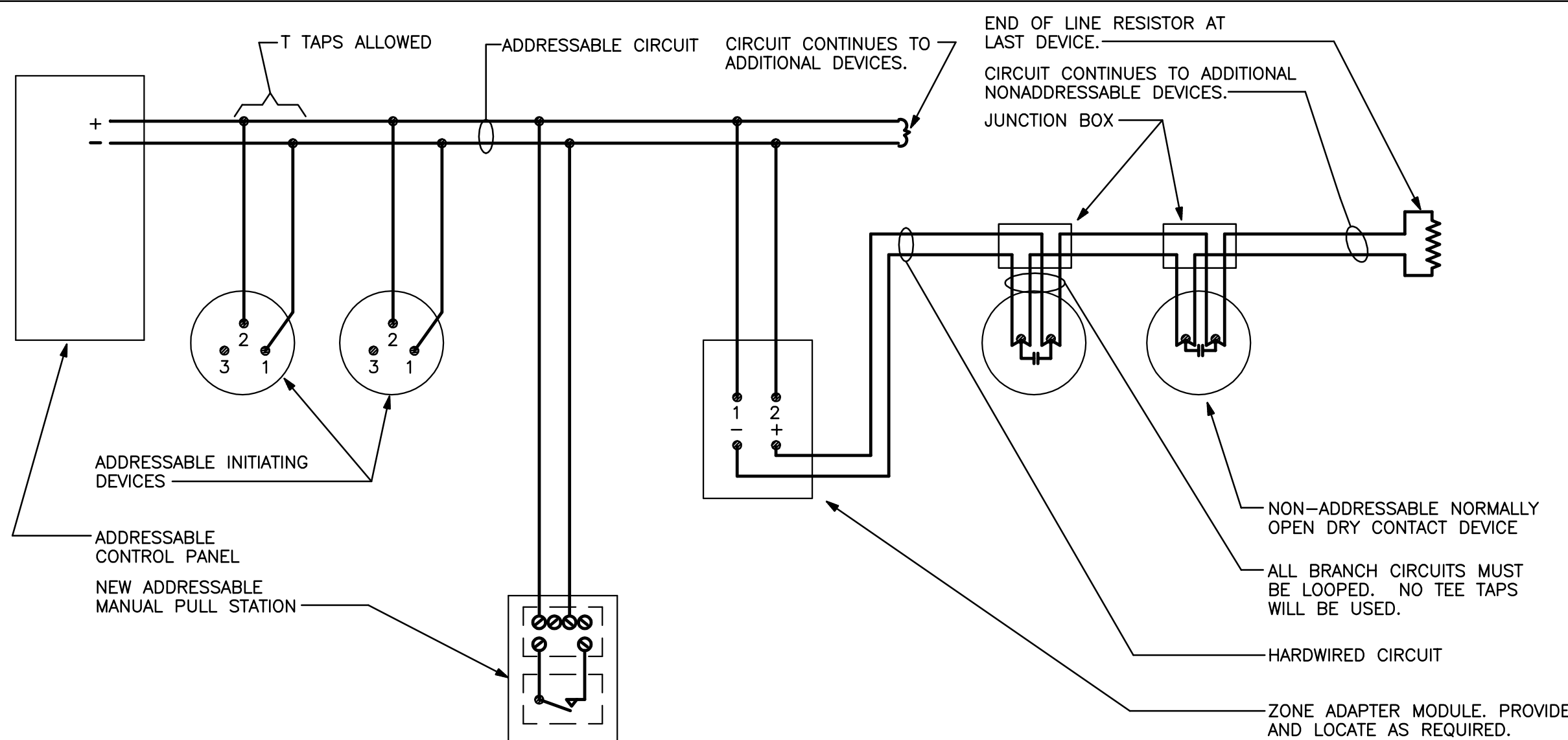
a. ON/OFF, RAISE/LOWER WALL CONTROLLER WITH VACANCY SENSING (50% ON BY OCCUPANCY).



SEQUENCE OF OPERATION:

a. ON/OFF, RAISE/LOWER WALL CONTROLLER WITH VACANCY SENSING (50% ON BY OCCUPANCY).

2 LIFE SKILLS



TYPICAL ADDRESSABLE DETECTION CIRCUIT

NOT TO SCALE

- NOTES:
1. MAXIMUM WIRE DISTANCE FROM END-OF-LINE RESISTOR TO ZONE ADAPTER MODULE IS 400 FEET.
 2. NOT MORE THAN 80 ADDRESSABLE DEVICES TO BE INSTALLED ON ONE ADDRESSABLE CIRCUIT.



2015 IECC

STANDARD SEQUENCE OF OPERATIONS

ROOM TYPE	OCCUPANCY SENSOR		TIME SWITCH	DAYLIGHT CTL	LT REDUCT	MANUAL CONTROL		SEQUENCE OF OPERATION
Spaces (≤ 300 sq ft)	50%	20 min		D	●	●	D	Auto On 50%; Occupancy sensor Auto Off; Local control and 25% light reduction with two control devices; Where ≥250W in daylight area, use continuous dimming daylight control and dimmer switch.
Class/Lecture/Training Rooms	50%	20 min		D	●	●	D	Auto On 50%; Occupancy sensor Auto Off; Local control and 25% light reduction with two control devices; Where ≥250W in daylight area, use continuous dimming daylight control and dimmer switch.
Electrical/Mech/Equip Rooms		20 min				●		Manual On; Occupancy sensor Auto Off; Local control device.
Janitor Closet		20 min						Manual On; Occupancy sensor Auto Off; Local control device.
Restroom	100%	20 min						Auto On 100%; Occupancy sensor Auto Off; Local control and 25% light reduction with two control devices.
Corridor			6AM	close	●		D	Controlled by BAS/BA/Genet connection to hubbed lighting system; Time Clock On-DUEM lights always on.
Storage Room	50%	20 min			D	●	D	Auto On 50%; Occupancy sensor Auto Off; Local control and 25% light reduction with two control devices; Where ≥250W in daylight area, use continuous dimming daylight control and dimmer switch.
Building Facade/Landscape			open	close	●			Dark Auto On with astronomical time switch or photocell. Evening Time Auto Off as a function of dose time. Morning Time On as a function of open time. Dawn Auto Off.
Exterior/Parking Lots / Site Lighting			6AM	12:00 AM	●			Dark Auto On with astronomical time switch or photocell. Reduced at least 30% from twilight or to one hour after business close. Auto On to full at 6:00AM or up to one hour before business open. Dawn Auto Off.

- = Designation for code complaint default control design for spaces without daylighting control
D = Where daylighting control is required, "D" designation indicates controls required in the space for code compliance design

NOTES: *Lighting may be Manual On or Auto Partial On to 50%. Full Auto On to 100% is only permitted in Public Corridors, Stairways, Primary Entrances, Lobbies, Restrooms and where Manual On overrides safety or security.

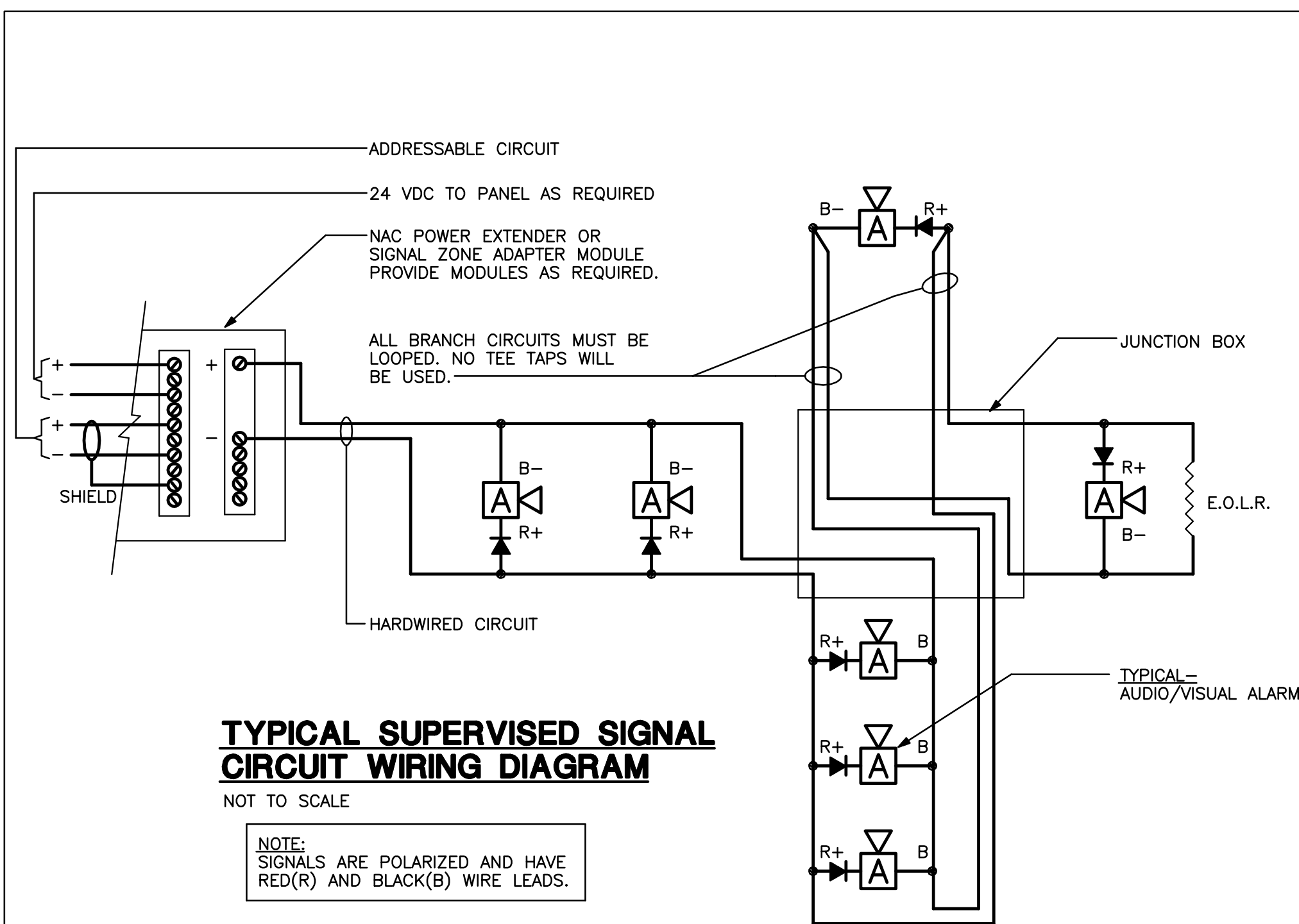
*Partial Auto Off reduces lighting 25% during normal operating hours in commercial buildings and warehouse open areas. Each slide must be independently controlled. Full Auto Off will completely shut Partial Auto Off.

*'Elevator' (Parking): Site Lighting must shut off during daylight hours, and shut at least 30% between the hours midnight and 6AM from one hour after businesses close and 15 minutes before opening.

*Automatic: daylight control required where ≥ 1000 of lighting is in the rooftop or skylight daylight category. Continuous dimming with On/Off and/or assumes close to 100% dimming levels in daylight and non-daylight areas unless more otherwise specified. Automatic dimming controls must be available for all areas of occupancy.

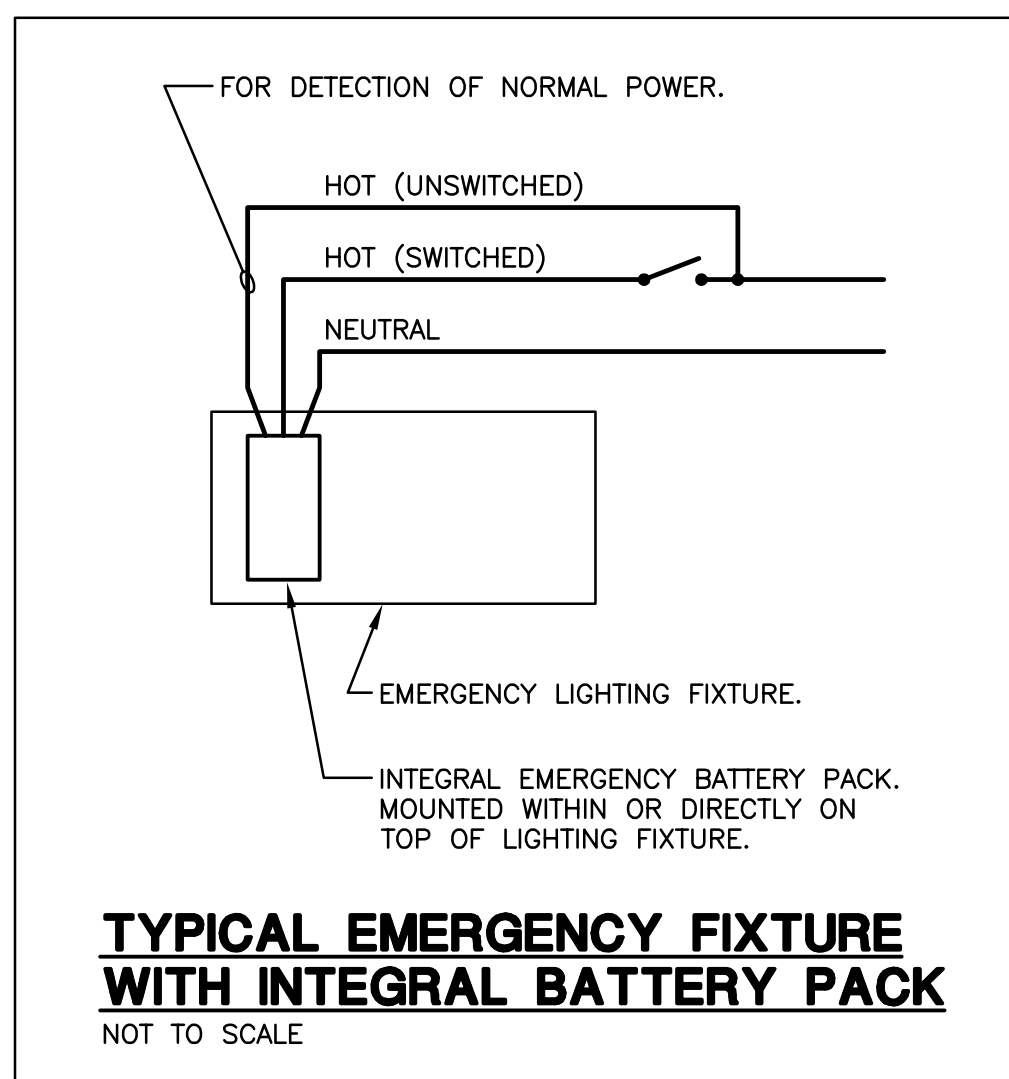
*Manual: building lighting reduction control must allow 25% of the general lighting to be manually turned off by a device located inside the space.

*Daylight, Access and Task Lighting must be independently controlled from the other lighting in the space. It is required to Auto On with occupancy sensors or time switch control, but is exempt from automatic daylight control.






FIRE ALARM SYSTEM GENERAL NOTES:

- 1.) ALL DEVICES ARE NEW ADDRESSABLE UNLESS OTHERWISE NOTED.
- 2.) CONDUIT AND WIRING
 - a. ALL WIRING SHALL BE ROUTED WITHIN APPROVED RACEWAY. ROUTE ALL CONDUIT CONCEALED IN FINISHED AREAS OF BUILDING, WHERE IMPOSSIBLE TO CONCEAL RACEWAY, PROVIDE WIREMOLD AS DESCRIBED. (SEE PLAN NOTES FOR FURTHER INFORMATION)
 - 1) EXPOSED AREAS: PROVIDE WIREMOLD #V500 (VORY) SURFACE RACEWAY INCLUDING ALL FITTINGS, BOXES, AND MISC. AS REQUIRED. PAINT AS DIRECTED BY ARCHITECT.
 - 2) CONCEALED (INACCESSIBLE AND ACCESSIBLE AREAS): PROVIDE CONDUIT AS REQUIRED. CONTRACTOR WILL BE RESPONSIBLE FOR PROPERLY SIZING ALL CONDUIT.
 - 3) ALL FIRE ALARM JUNCTION BOXES SHALL BE PAINTED RED AND STENCILED WITH BLACK LETTERS.
 - b. CONDUCTORS AND CONDUIT FILL WILL BE AS FOLLOWS:
 - 1) ALL ADDRESSABLE CIRCUITS WILL USE ONE (1) #18AWG TWISTED SHIELDED PAIR (TSP) CABLE. FOR RACEWAY FILL, ONE (1) TSP CABLE IS EQUIVALENT TO TWO (2) #14AWG CONDUCTORS. ALL TWISTED SHIELDED PAIR CABLE WILL BE 300V INSULATION.
 - c. ALL WIRING WILL BE NEW AND IN ACCORDANCE WITH SUPPLIERS WIRING DIAGRAMS AND AS NOTED BELOW.
 - 1) ADDRESSABLE INITIATING DEVICES - 1 PAIR #18AWG TWISTED SHIELDED PAIR ONE (1) RED, ONE (1) BLACK.
 - 2) VISUAL DEVICES - ON SAME CIRCUIT AS HORN DEVICES.
 - 3) GENERAL ALARM - 2#14AWG PER ZONE ONE (1) RED, ONE (1) BLUE.
 - d. ALL FIRE ALARM INDICATING AND INITIATING CIRCUITS WILL BE SUPERSIZED.
 - e. SEE FIRE ALARM DETAILS AND SPECIFICATIONS FOR ADDITIONAL WIRING AND RACEWAY REQUIREMENTS.
- 3.) PROVIDE ZONE ADAPTER MODULES AS REQUIRED, IN FINISHED AREAS, INSTALL MODULES ABOVE LAY-IN CEILING UNLESS OTHERWISE NOTED. ALL INITIATING DEVICES SHALL BE ASSIGNED TO A SEPARATED ADDRESS.



TYPICAL EMERGENCY FIXTURE **WITH INTEGRAL BATTERY PACK**

NOT TO SCALE

LIGHTING FIXTURE SCHEDULE							
SYMBOL	MANUFACTURER & CATALOG NO.	MOUNTING	WATTAGE & LAMP	SHIELDING	RECESSED DEPTH	MISCELLANEOUS	
 F1	LITHONIA LIGHTING #2BLT2-33L-ADSM-MVOLT-0210-LP83S	RECESSED	29W. L.E.D. LAMP	CURVED SMOOTH LENS	2-3/8"		
 F1A	LITHONIA LIGHTING #2BLT2-33L-ADSM-MVOLT-0210-LP83S-EL14LSJ	RECESSED	29W. L.E.D. LAMP	CURVED SMOOTH LENS	2-3/8"	BATTERY PACK WITH SELF-DIAGNOSTIC.	
	LITHONIA LIGHTING #LRP-1-RMR-120/277-ELN	CEILING	2-3W. LED LAMP	STENCIL FACE	--	* REFER TO LIGHT FIXTURE SCHEDULE NOTE 7 & 8	

LIGHTING FIXTURE SCHEDULE NOTES

- ALL LIGHTING FIXTURES SHALL BE RATED FOR BUILDING SYSTEM VOLTAGE. CONTRACTOR MUST VERIFY ALL LOCATIONS.
- LED LAMPS SHALL HAVE A 3500K COLOR AND MINIMUM 80 COLOR RENDERING INDEX.
- ELECTRICAL CONTRACTOR SHALL CHECK AND COORDINATE ALL LIGHTING FIXTURE CATALOG NUMBERS WITH THE INTENT OF FIXTURE DESCRIPTIONS, LISTED ACCESSORIES AND TYPE OF INSTALLATION. VERIFY ALL LIGHTING FIXTURE LOCATIONS, FINISHES, COLOR, VOLTAGE AND CEILING TYPES WITH ARCHITECT PRIOR TO INSTALLING.
- ELECTRICAL CONTRACTOR SHALL PROVIDE EACH LIGHTING FIXTURE COMPLETE WITH PLASTER FRAMES AND ALL OTHER INSTALLATION AND HANGING HARDWARE AS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION AT EACH FIXTURE LOCATION.
- ALL FIXTURES SHALL BE "U.L." LABELED. ALL LIGHTING FIXTURES EXPOSED TO WEATHER OR MOISTURE SHALL BEAR U.L. "WET LOCATION" LABEL, AND LIGHTING FIXTURES EXPOSED TO DAMPNESS SHALL BEAR U.L. "DAMP LOCATION" LABEL.
- REFER TO APPLICABLE SECTIONS OF THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR LIGHTING FIXTURES.
- ALL EXIT/DIRECTIONAL SIGNS SHALL BE INSTALLED COMPLETE WITH ALL INSTALLATION AND HANGING ACCESSORIES TO PROVIDE AN UNOBSTRUCTED VIEW OF EACH SIGN FACE AS REQUIRED. SIGNS IN GENERAL WILL BE CEILING MOUNTED, LOCATED AND ADJUSTED FOR BEST VIEW. MOUNT SIGNS ON PENDANTS AT MAXIMUM +8'-0" IN HIGH CEILING AREAS. SIGNS SHALL BE ADJUSTED AS NECESSARY WITHOUT ADDITIONAL COST.
- SIGNS TO READ "EXIT". SIGNS WILL BE SINGLE OR DOUBLE FACE WITH OR WITHOUT DIRECTIONAL ARROWS, ALL AS SHOWN ON PLANS. SIGNS IN GENERAL WILL BE CEILING MOUNTED, LOCATED AND ADJUSTED FOR BEST VIEW. EXIT SIGNS IN HIGH CEILING AREAS TO BE PENDANT MOUNTED MOUNTED AT MAXIMUM OF +8'-0" ABOVE FLOOR. SHADED PORTION DENOTES ILLUMINATION FACE.
- ALL EXIT SIGNS AND BATTERY EMERGENCY UNITS MUST BE APPROVED BY LOCAL CODE.
- ELECTRICAL CONTRACTOR SHALL VERIFY LIGHTING FIXTURE LOCATIONS, FINISHES/COLOR, CEILING TYPES AND MOUNTING HEIGHTS OF ALL WALL AND PENDANT MOUNTED LIGHT FIXTURES WITH ARCHITECT PRIOR TO ORDERING.
- FIXTURES SHALL BE COMPLETE WITH ALL NECESSARY HARDWARE, CONNECTORS, SUPPORTS AND APPURTENANCES. VERIFY FIXTURE COLOR AND LENGTH WITH ARCHITECT.

GREEN ASSOCIATES
ARCHITECTURE
CONSTRUCTION SERVICES

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1437 HARMONY COURT
ITASCA, ILLINOIS 60143
847-317-0852

MEP ENGINEER
AMSCO ENGINEERING, INC
5115 BELMONT RD #A
DOWNERS GROVE, IL 60515
630-515-1555

2022 RENOVATION WORK

HADLEY JUNIOR HIGH SCHOOL

240 HAWTHORNE BOULEVARD, GLEN ELLYN, ILLINOIS, 60137

GLEN ELLYN SCHOOL DISTRICT 41

793 NORTH MAIN STREET, GLEN ELLYN, ILLINOIS 60137

ELECTRICAL DETAILS AND SCHEDULES

DRAWN CMD
CHECKED DRJ

ISSUE DATE
27 SEP 2021

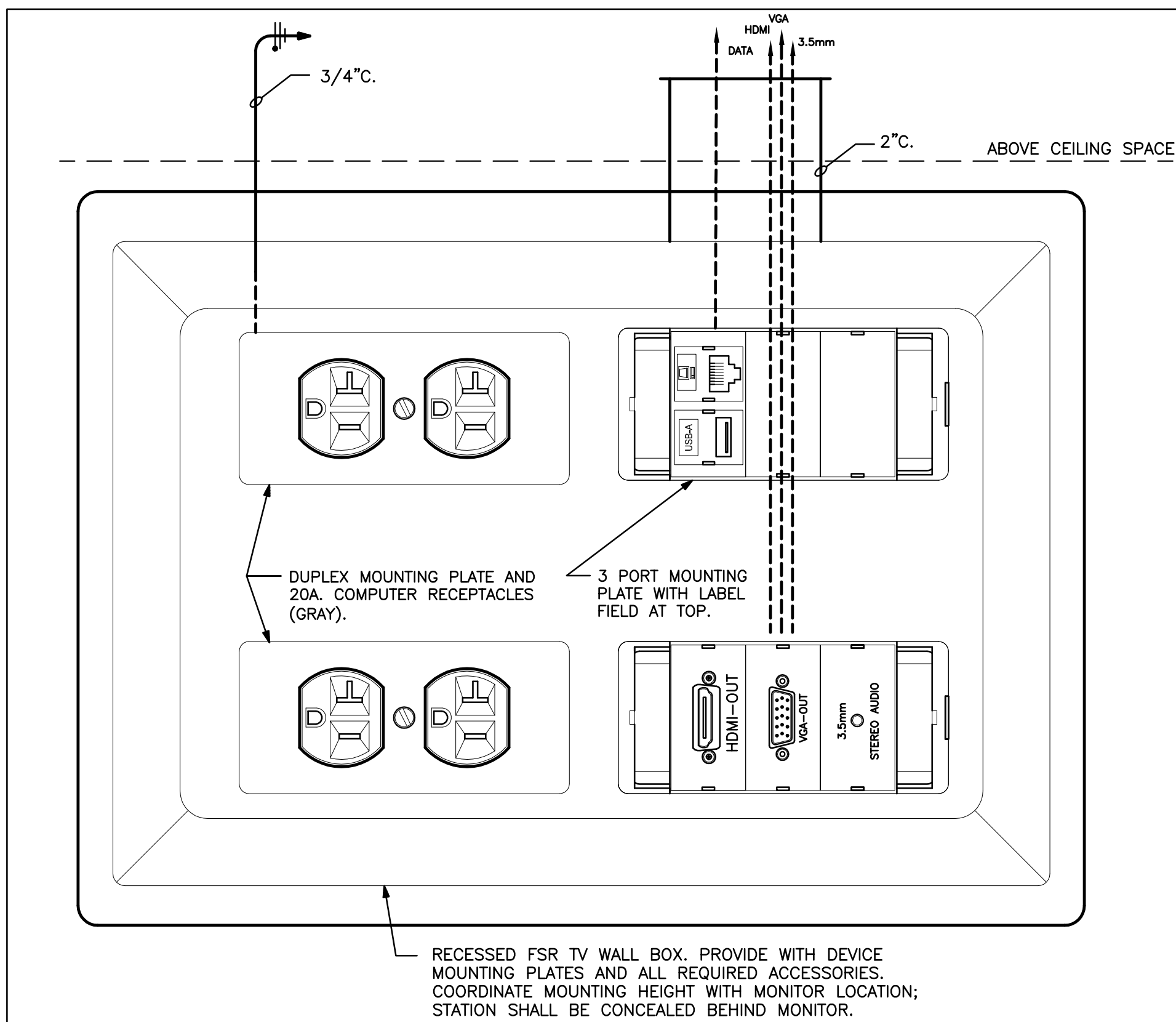
REVISION SCHEDULE		
NUMBER	DESCRIPTION	DATE

PROJECT NUMBER
13100-2021014


PROJECT PHASE
CONSTRUCTION DOCUMENTS
SHEET

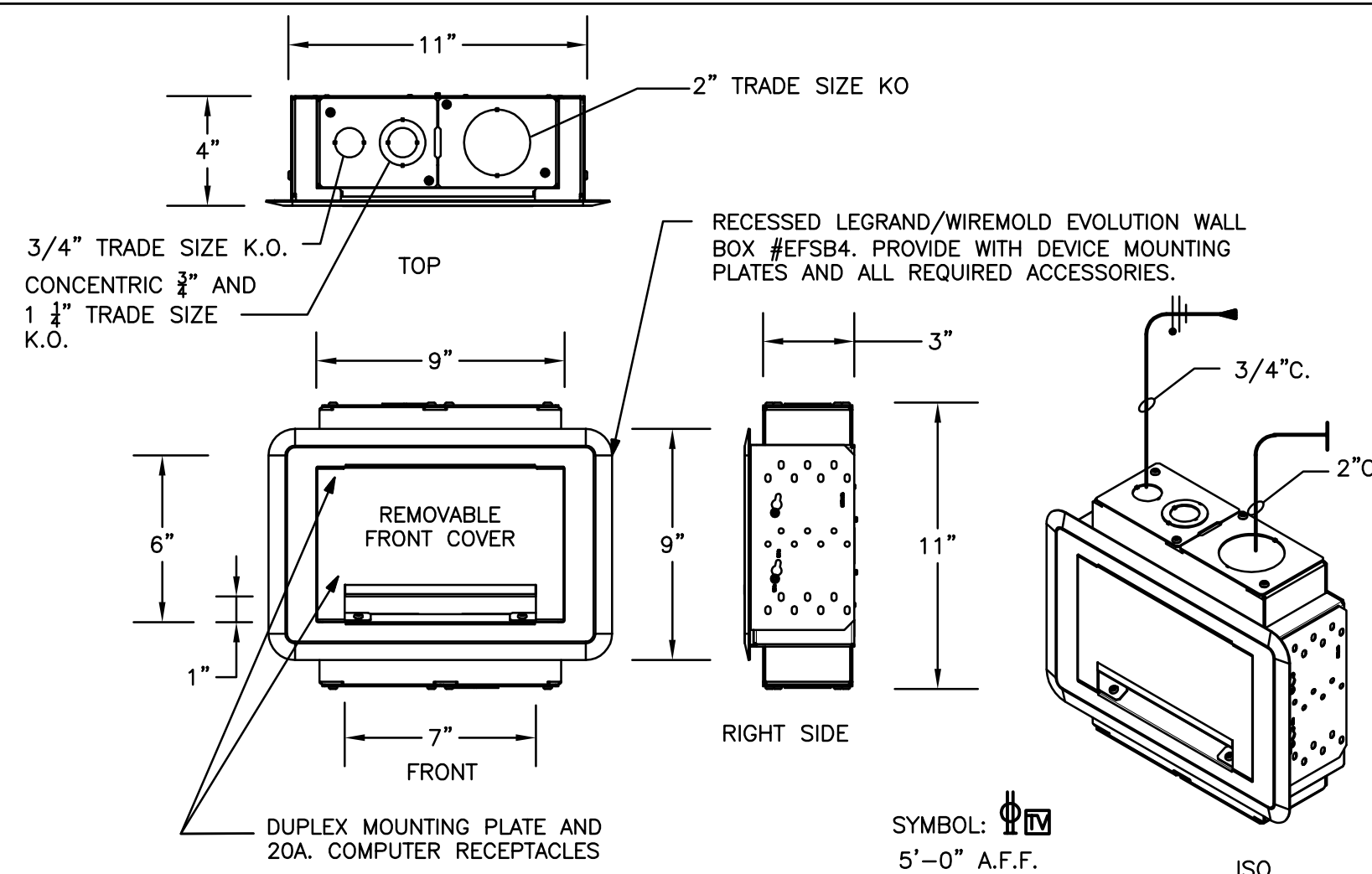
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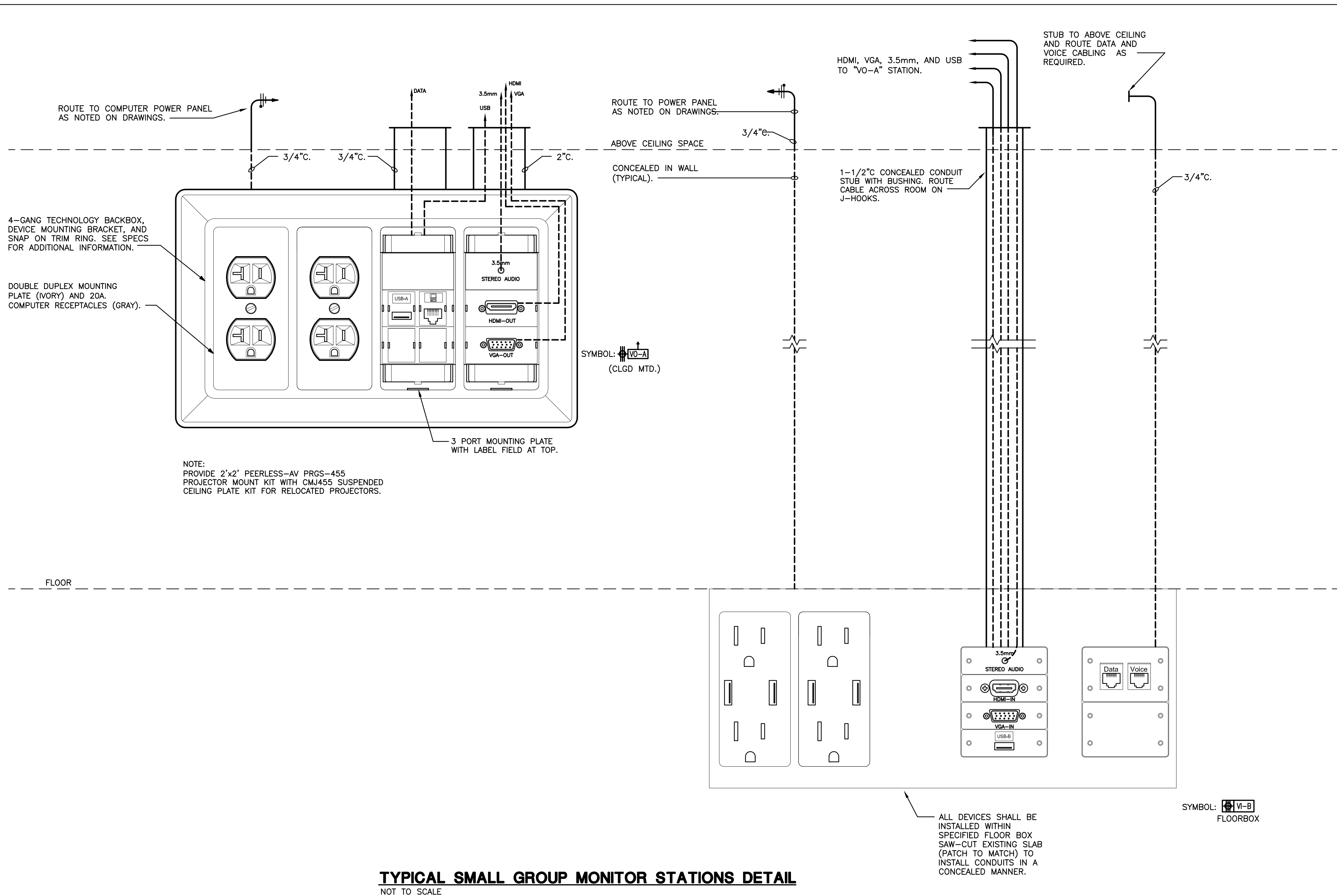
"TV" STATION DETAIL
NOT TO SCALE

SYMBOL: 



"TV" STATION DETAIL
NOT TO SCALE

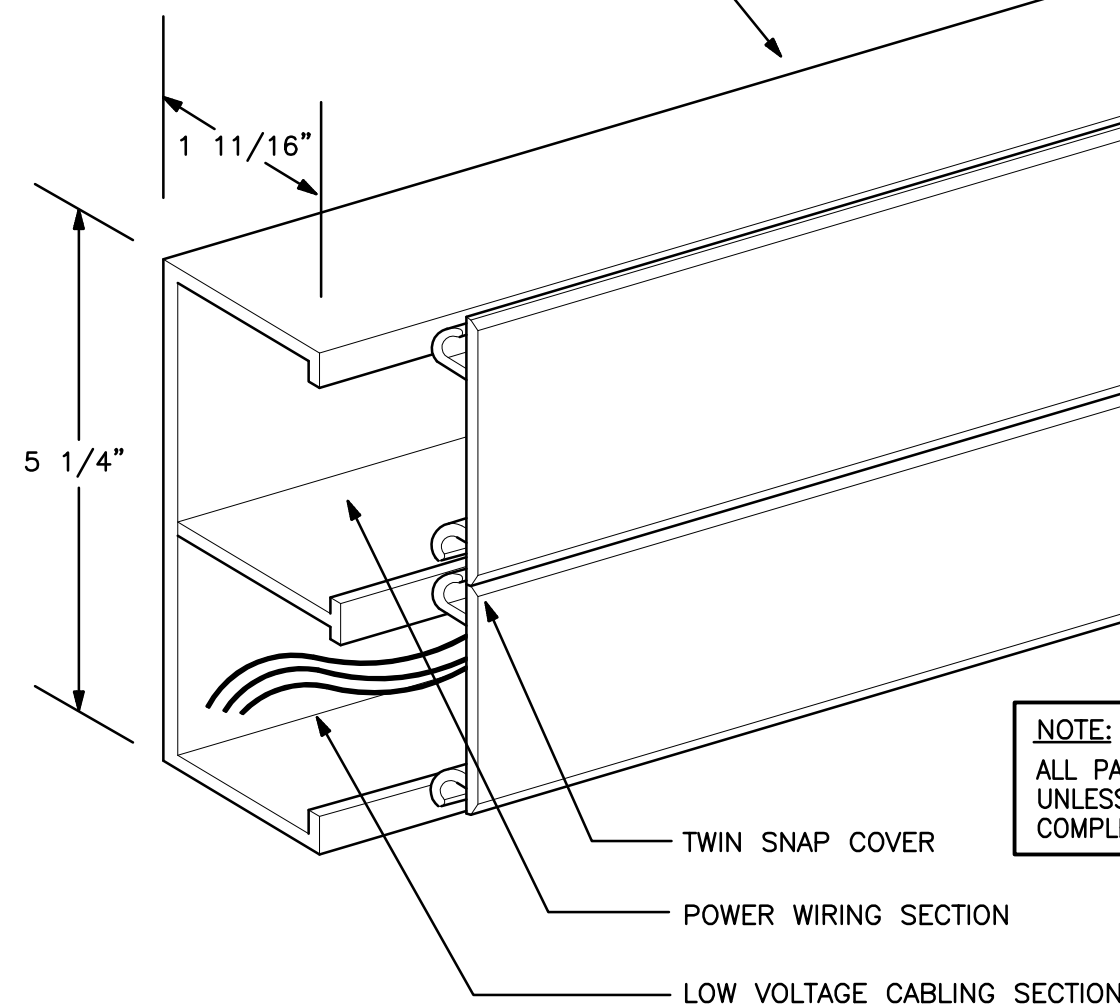
SYMBOL: 



TYPICAL SMALL GROUP MONITOR STATIONS DETAIL
NOT TO SCALE

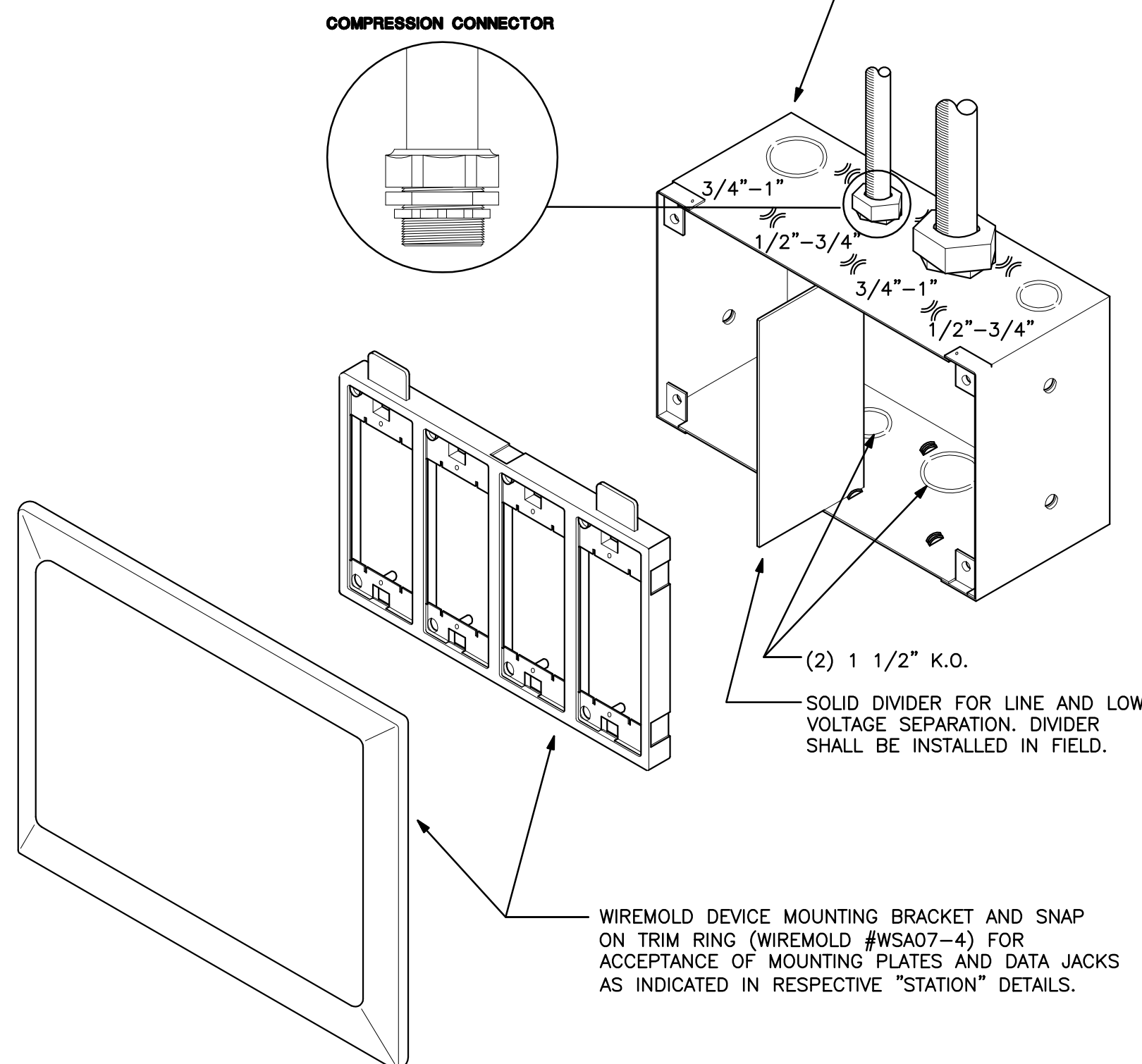
REFER TO ADDITIONAL TECHNOLOGY DETAILS, FLOOR PLANS, AND SPECIFICATIONS FOR ADDITIONAL WORK AND NOTES REGARDING TEACHER/PROJECTOR STATIONS AND ASSOCIATED CABLING.

WIREMOLD DUAL CHANNEL NON-METALLIC RACEWAY WITH BASE AND TWIN SNAP COVER, #V5400 (TB & TC). CONTRACTOR SHALL PROVIDE ALL NECESSARY APPURTENANCES SUCH AS COVER CLIPS, SEAM CLIPS, END CAPS, FLAT ELBOWS, INTERNAL ELBOWS, ETC. AS NECESSARY FOR A COMPLETE INSTALLATION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

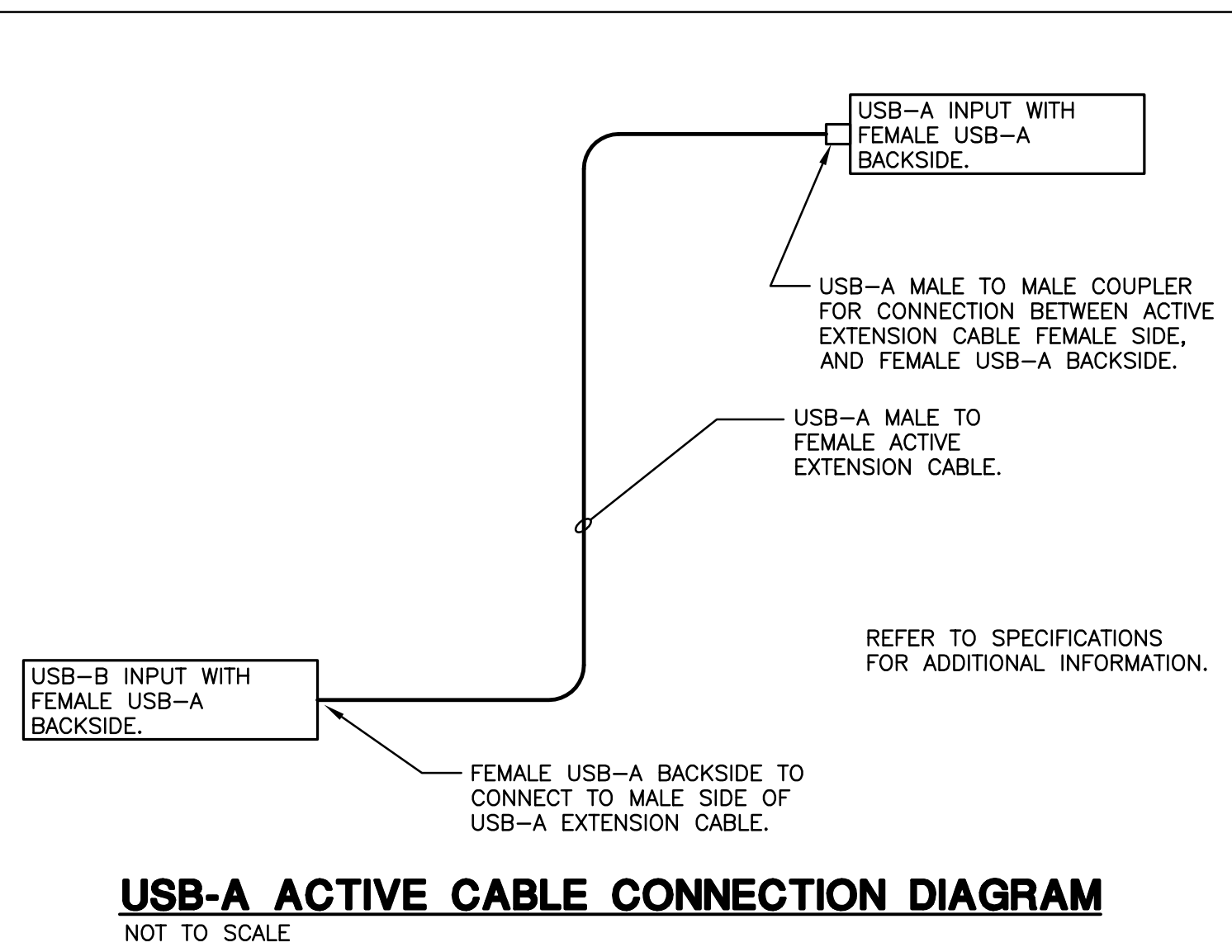


WIREMOLD #5400 RACEWAY DETAIL
NOT TO SCALE

WIREMOLD 4-GANG WALLSOURCE BOX (MASONRY OR DRYWALL), DIVIDERS, AND MOUNTING BRACKETS (WIREMOLD #WSA42-2). DIVIDERS SHALL BE INSTALLED IN FIELD. ADJUST MOUNTING BRACKETS AS REQUIRED IN FIELD. VERIFY EXACT BOX TYPE AND NECESSARY MOUNTING HARDWARE WITH ACTUAL CONSTRUCTION.



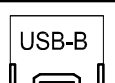

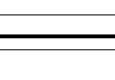
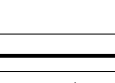


4-GANG BACKBOX, MOUNTING BRACKET, & TRIM RING DETAIL
NOT TO SCALE



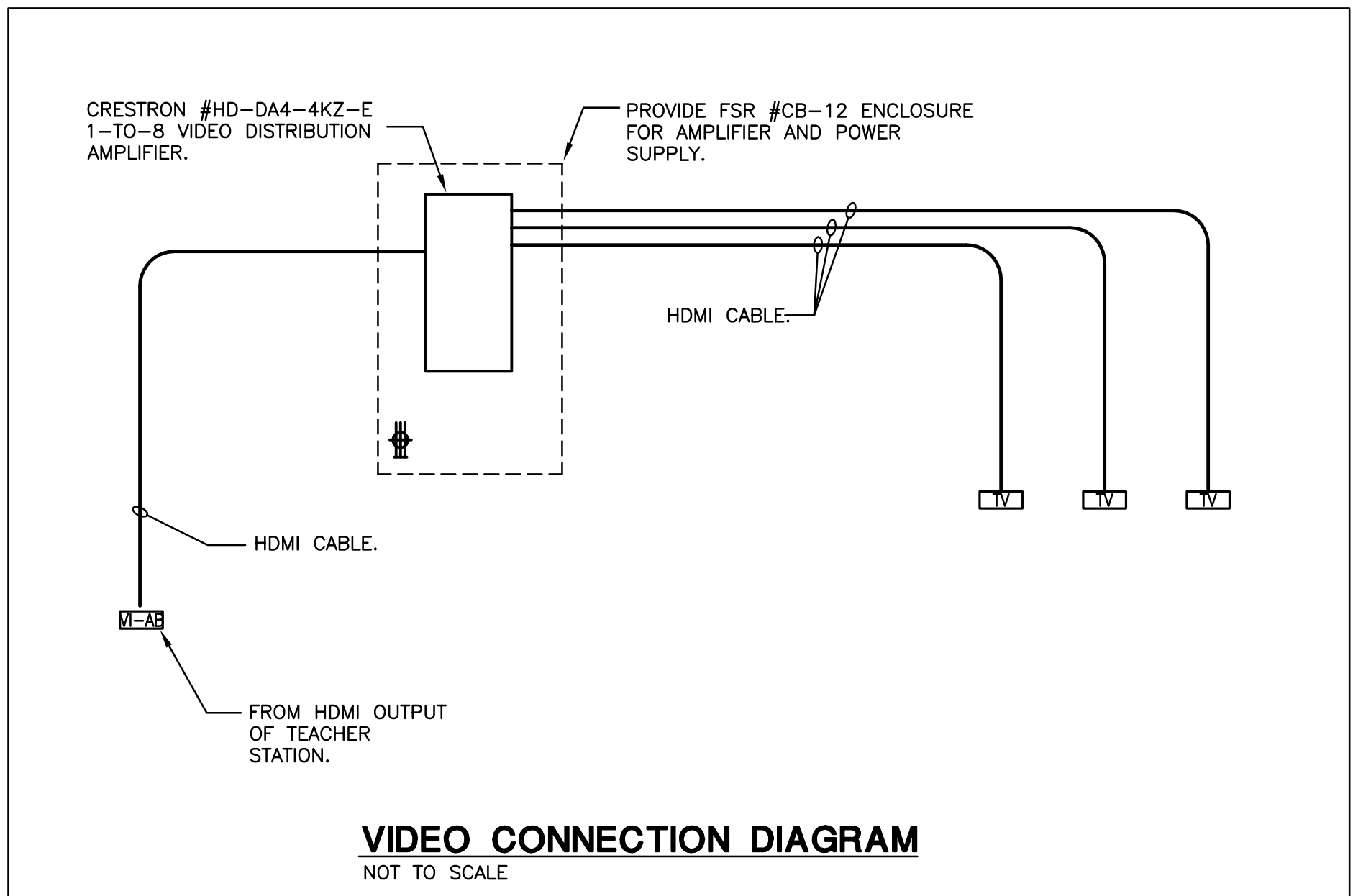
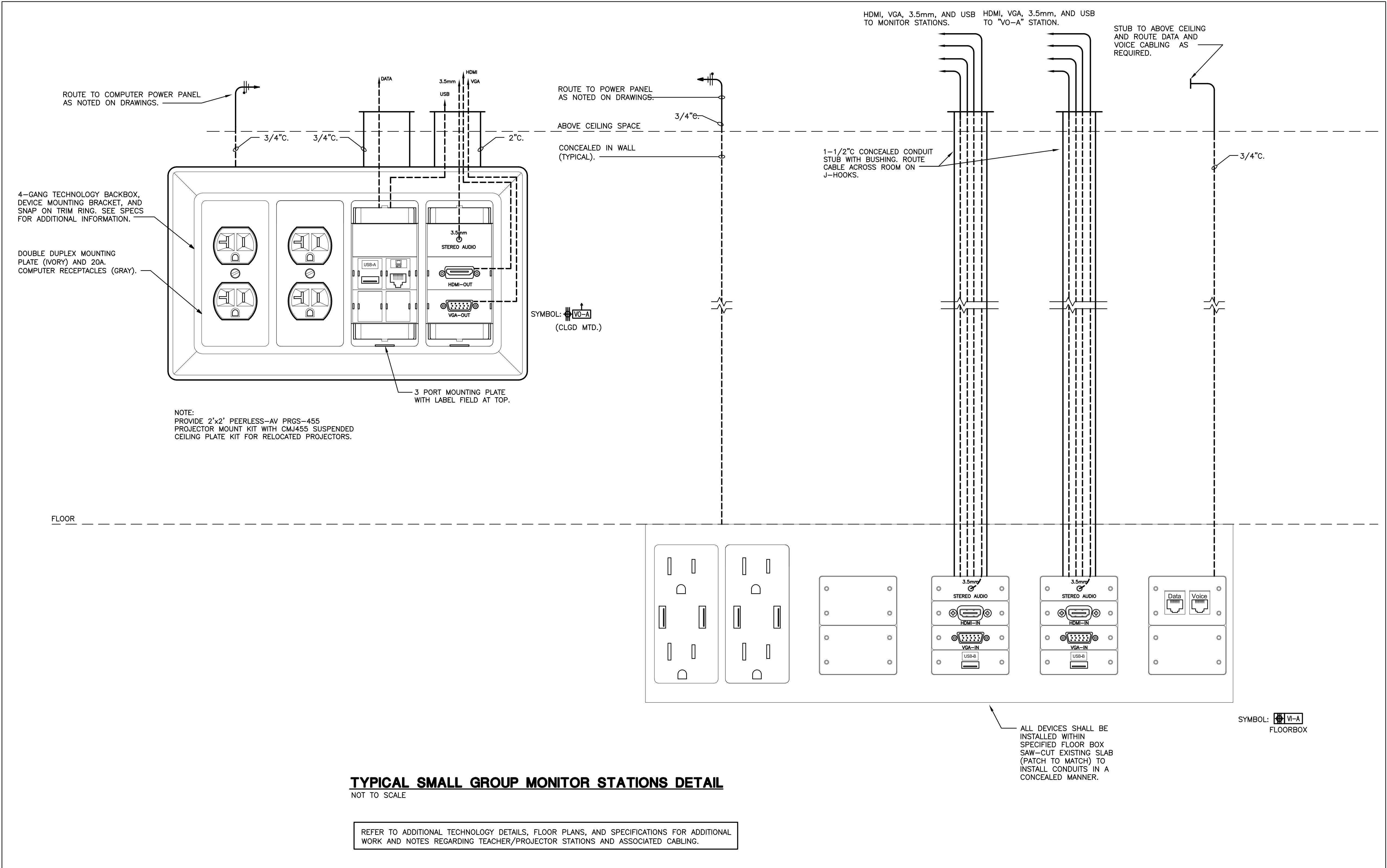
USB-A ACTIVE CABLE CONNECTION DIAGRAM
NOT TO SCALE

MODULAR DATA & VIDEO JACK INSERT LEGEND

	DATA SINGLE PORT RJ-45 INSERT WITH BLUE ICON. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. LABEL SHOWN INDICATES DATA PORT.
	USB TYPE A. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
	USB TYPE B INSERT WITH FEMALE USB A BACKSIDE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
	3.5mm STEREO AUDIO INPUT. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
	HDMI DOUBLE PORT INSERT. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
	VGA DOUBLE PORT INSERT. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

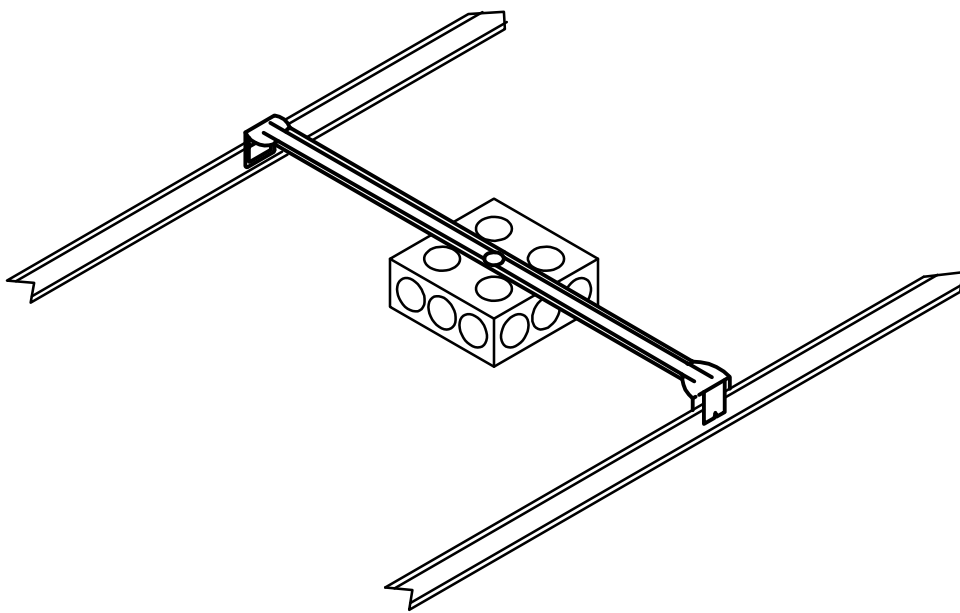
NOTES:

- ALL DEVICES SHOWN ARE MANUFACTURED BY ORTRONICS/WIREMOLD.
- ALL DEVICES & COVER PLATES WILL BE IVORY IN COLOR.



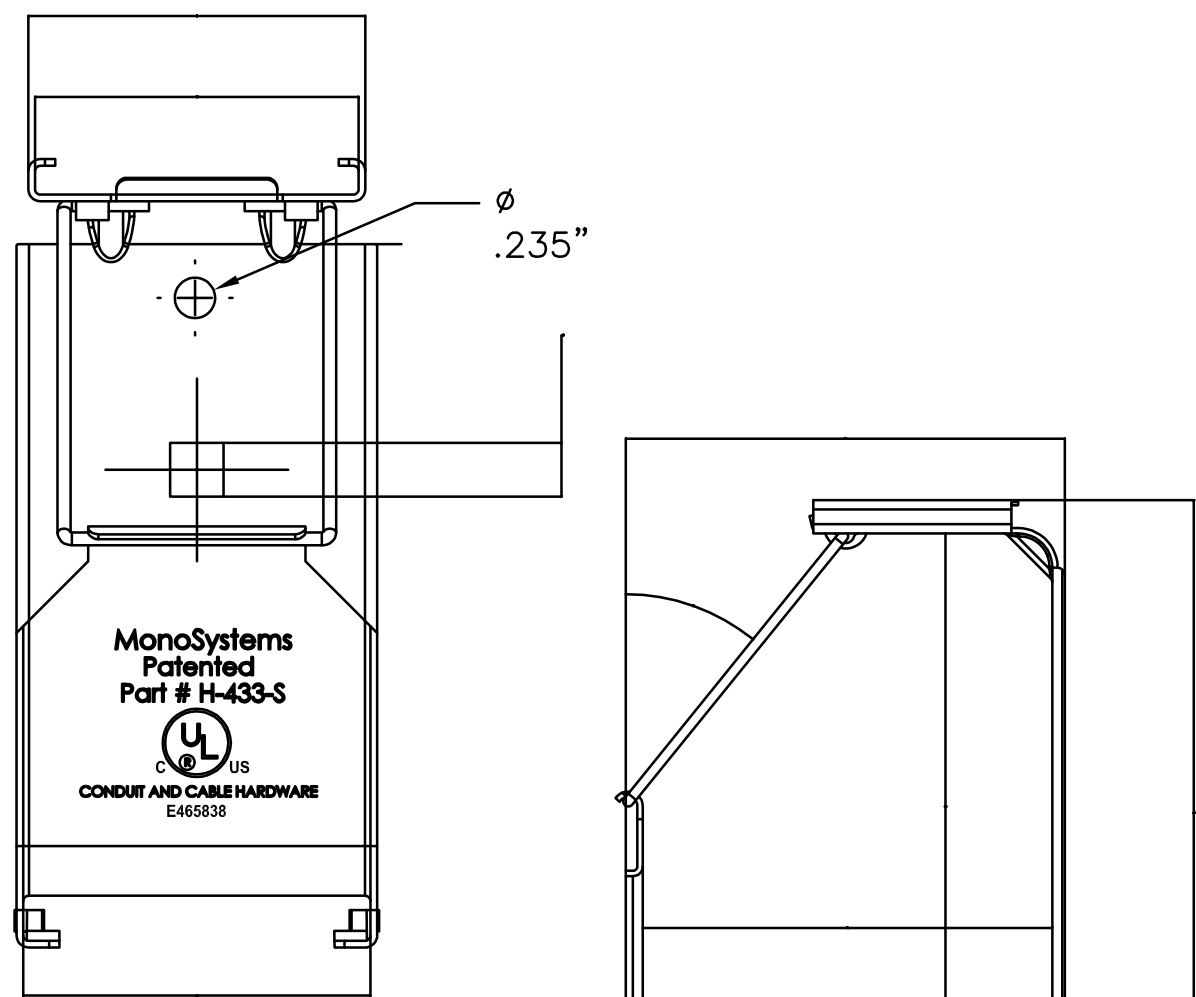
DRAWN	CMD	CHECKED	DRJ
ISSUE DATE			
27 SEP 2021			
REVISION SCHEDULE			
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PROJECT NUMBER	13100-2021014
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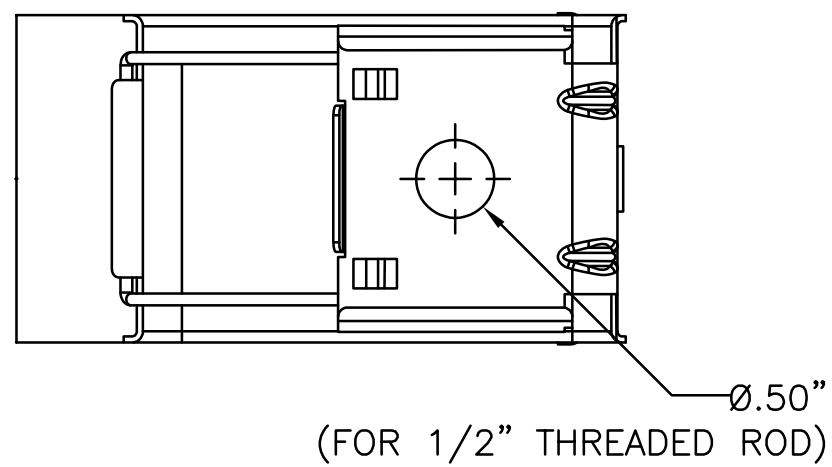


T-BAR HANGER DETAIL
NOT TO SCALE

NOTE: PROVIDE THIS SUPPORT FOR ALL CEILING-MOUNTED DEVICES (EXIT SIGNS, RECEPTACLES, OCCUPANCY SENSORS, INTRUSION DETECTION MOTION DETECTORS AND HORNS, CAMERAS, ETC.).



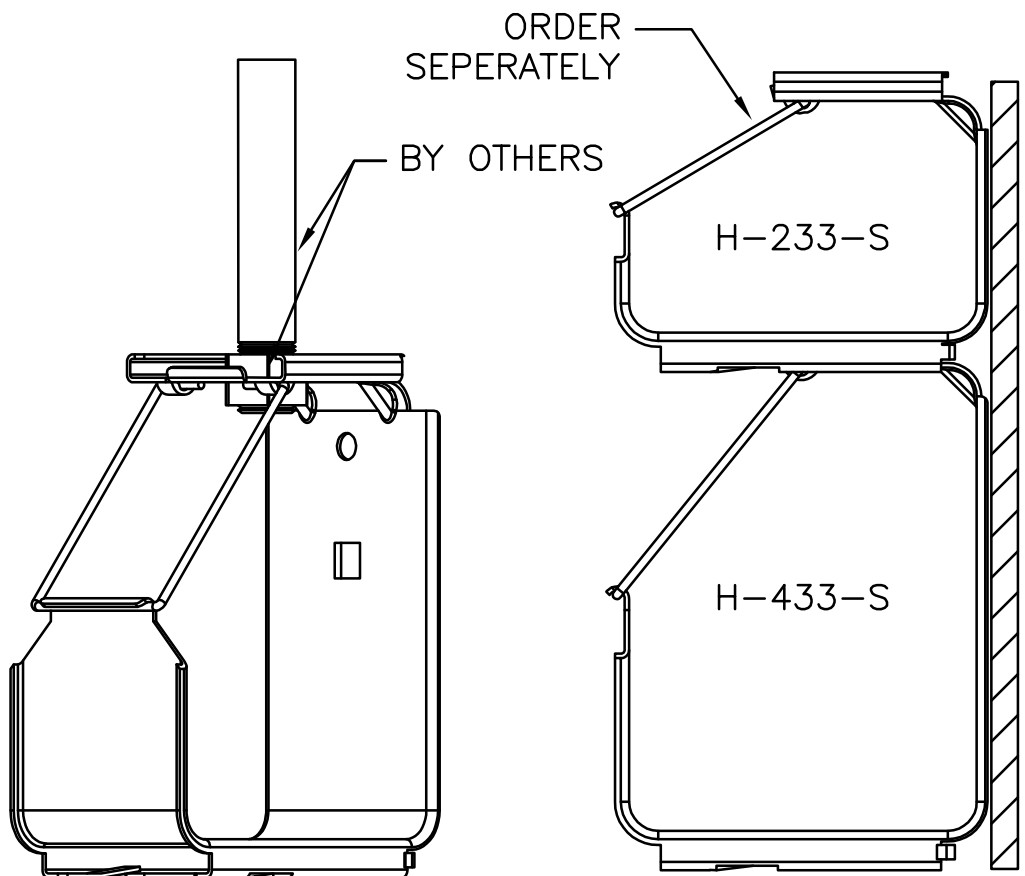
FRONT VIEW



(FOR 1/2" THREADED ROD)

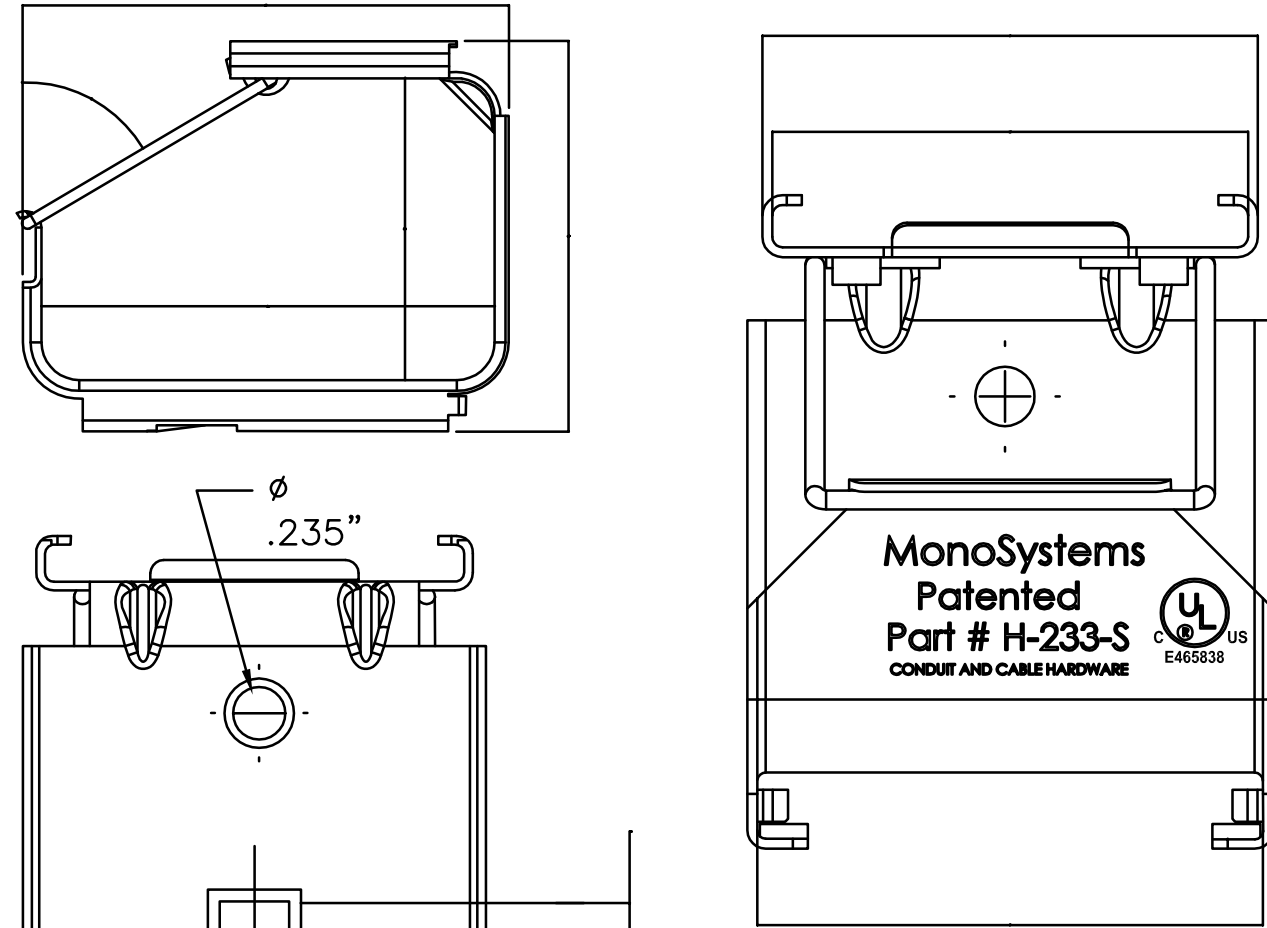
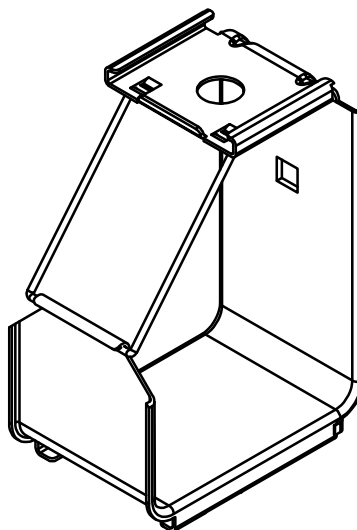
MONO SYSTEMS J-HOOK-H433-S
NOT TO SCALE

J-HOOKS SHALL HAVE FILL DENSITY OF 20% OR LESS BASED UPON CROSS SECTIONAL AREA. ADDITIONAL HOOKS SHALL BE PROVIDED AS REQUIRED.



HUNG WITH THREADED ROD
SCALE 1:2

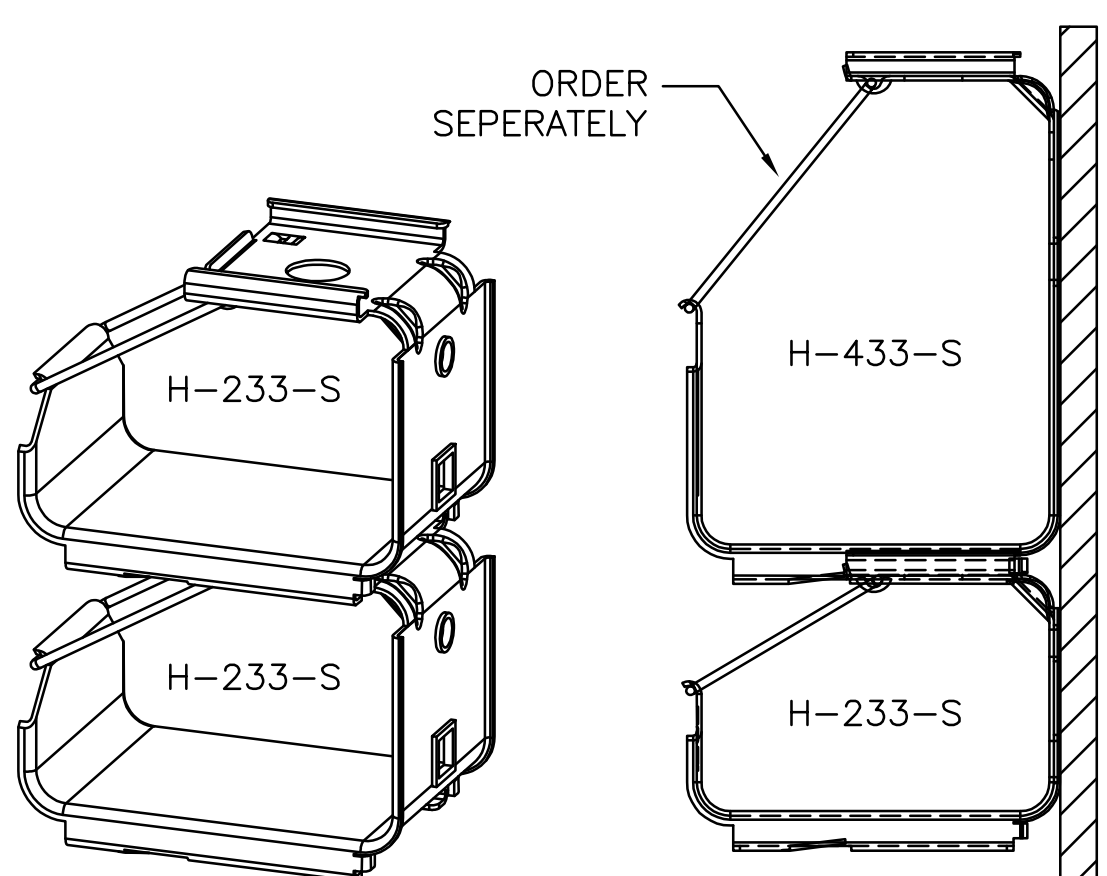
LINKED WALL MOUNT VIEW
SCALE 1:2



(FOR 1/2" THREADED ROD)

MONO SYSTEMS J-HOOK-H233-S
NOT TO SCALE

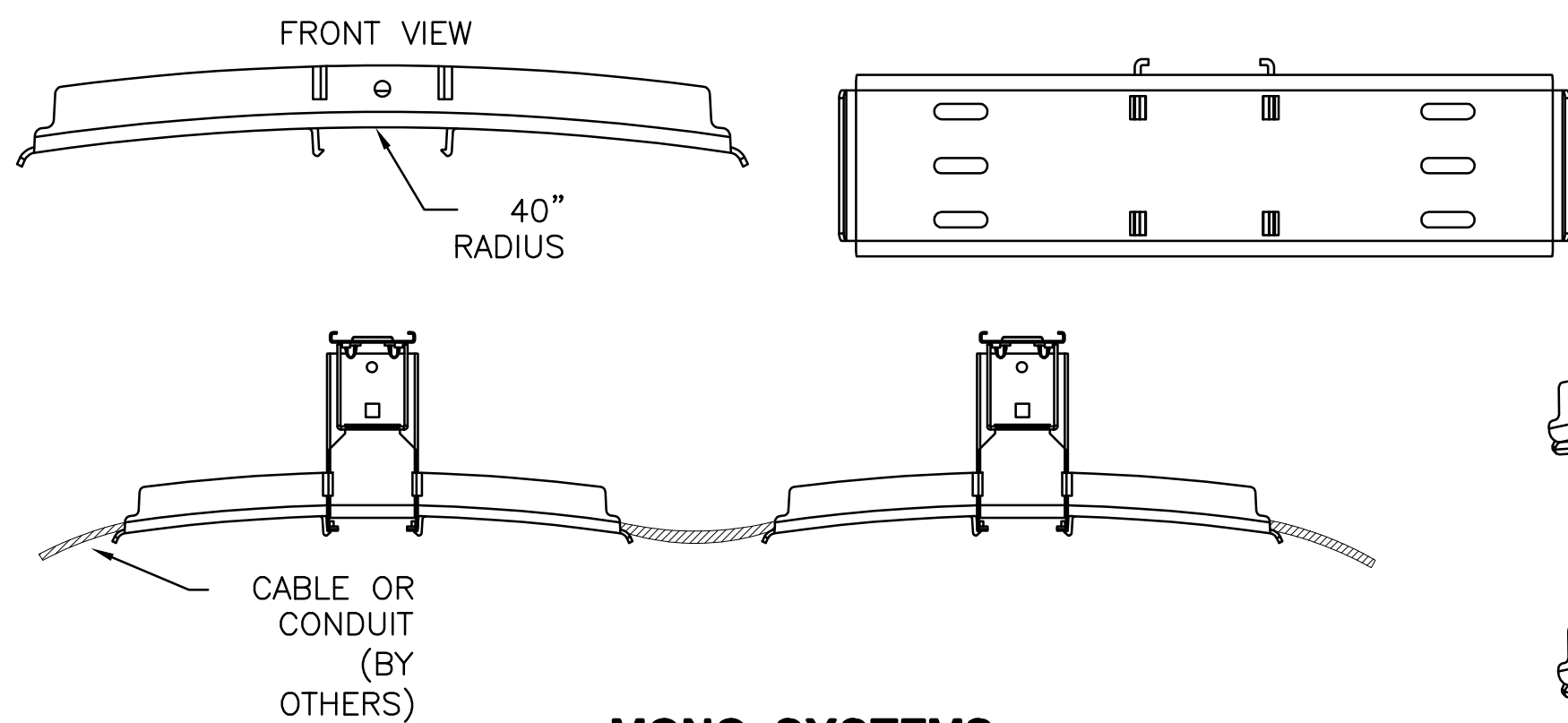
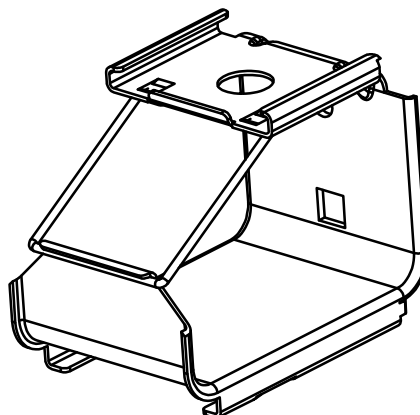
J-HOOKS SHALL HAVE FILL DENSITY OF 20% OR LESS BASED UPON CROSS SECTIONAL AREA. ADDITIONAL HOOKS SHALL BE PROVIDED AS REQUIRED.



LINKED VIEW
SCALE 1:2

LINKED WALL MOUNT VIEW
SCALE 1:2

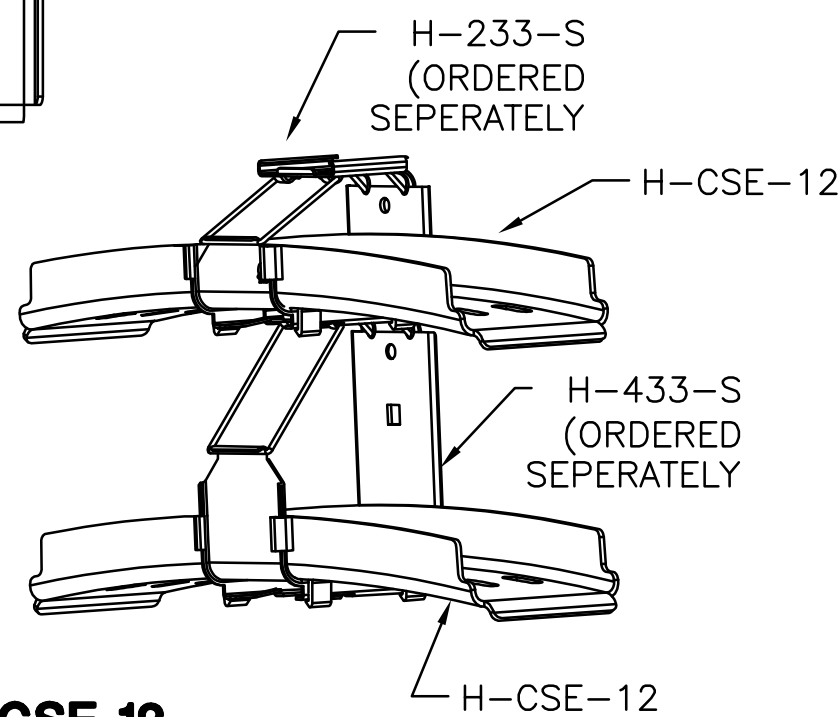
ISOMETRIC VIEW
SCALE 1:1.5



CABLE OR CONDUIT (BY OTHERS)

MONO SYSTEMS J-HOOK CABLE SUPPORT EXTENDER-H-CSE-12
NOT TO SCALE

CONTRACTOR TO PROVIDE EXTENDER IN ALL CORRIDORS AND SPACES LARGER THAN 2000 SQ. FT.



H-233-S (ORDERED SEPERATELY)

H-CSE-12

H-433-S (ORDERED SEPERATELY)

H-CSE-12

CATEGORY CABLE FILL CHART (PLENUM)					
EMT CONDUIT SIZES	CAT 3 *	CAT 5 *	CAT 6 *	CAT 6e *	CAT 6A *
1/2"	1	0	0	0	0
3/4"	6	4	5	3	2
1"	11	7	9	6	4
1 1/4"	17	12	14	10	6
1 1/2"	25	17	21	14	8

* ASSUMED CATEGORY CABLE DIAMETERS:
CAT 3 = 0.189 in.
CAT 5 = 0.230 in.
CAT 6 = 0.208 in.
CAT 6e = 0.251 in.
CAT 6A = 0.320 in.

2022 RENOVATION WORK

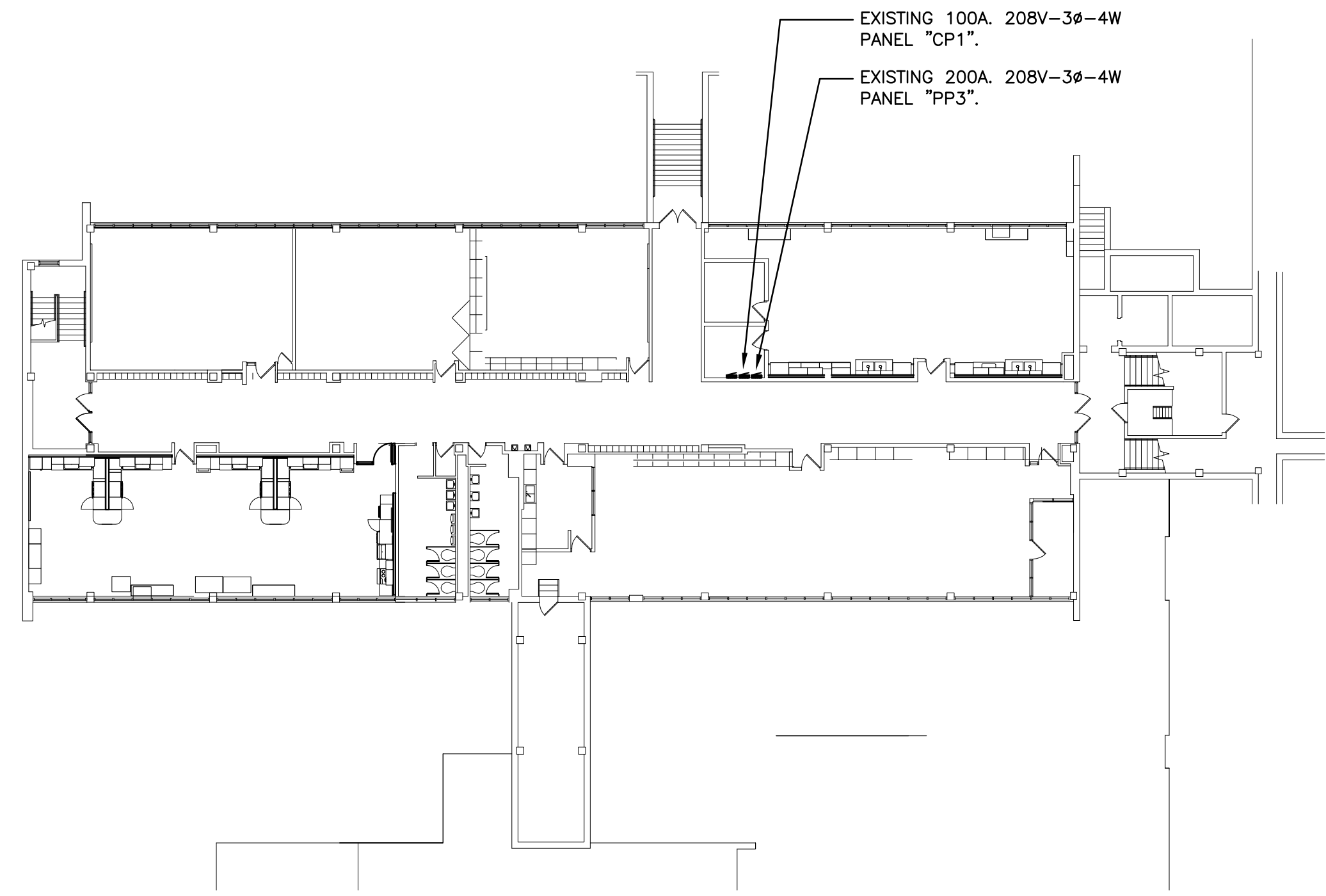
HADLEY JUNIOR HIGH SCHOOL
240 HAWTHORNE BOULEVARD, GLEN ELLYN, ILLINOIS, 60137
GLEN ELLYN SCHOOL DISTRICT 41
793 NORTH MAIN STREET, GLEN ELLYN, ILLINOIS 60137

ELECTRICAL DETAILS

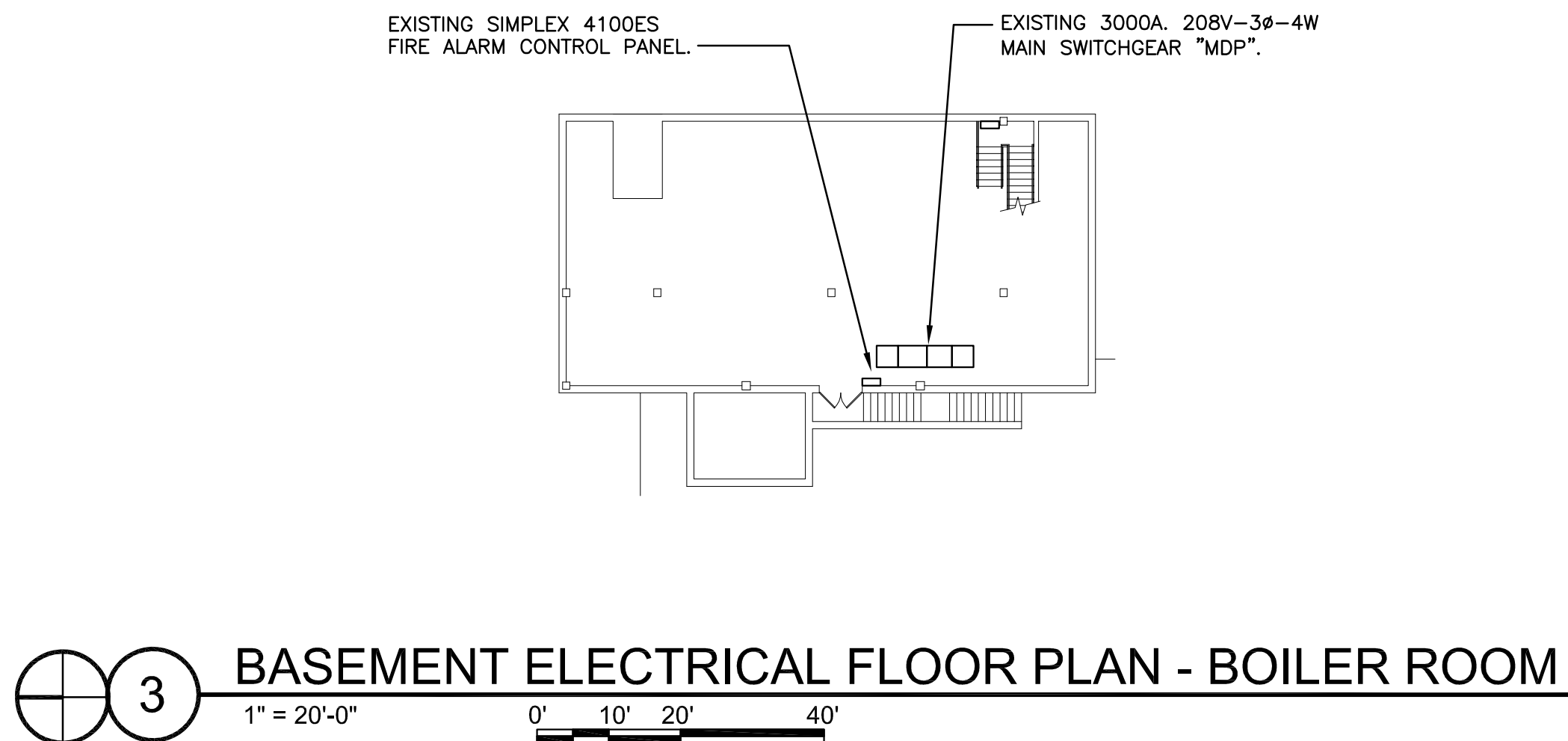
DRAWN	CMD	CHECKED	DRJ
ISSUE DATE			
27 SEP 2021			
REVISION SCHEDULE			
NUMBER	DESCRIPTION	NUMBER	DATE

PROJECT NUMBER	13100-2021014
PROJECT PHASE	CONSTRUCTION DOCUMENTS
SHEET	

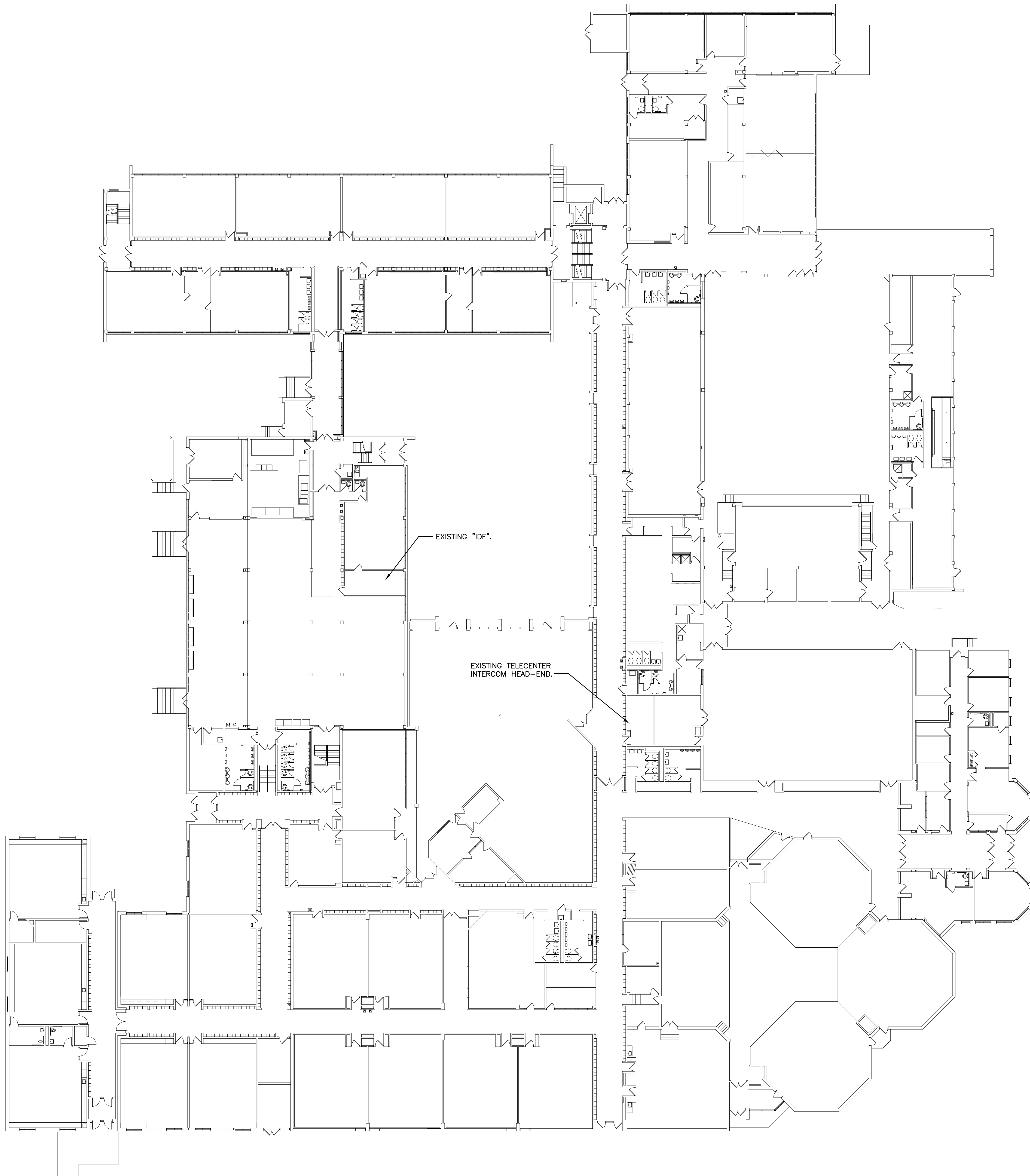
E-004



2 BASEMENT ELECTRICAL FLOOR PLAN
1" = 20'-0"
0' 10' 20' 40'



3 BASEMENT ELECTRICAL FLOOR PLAN - BOILER ROOM
1" = 20'-0"
0' 10' 20' 40'



1 OVERALL FIRST FLOOR ELECTRICAL FLOOR PLAN
1" = 20'-0"
0' 10' 20' 40'

GENERAL NOTES
1. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

DRAWN	CHECKED	
CMD	CMD	
ISSUE DATE		
27 SEP 2021		
REVISION SCHEDULE		
NUMBER	DESCRIPTION	DATE

GENERAL NOTES

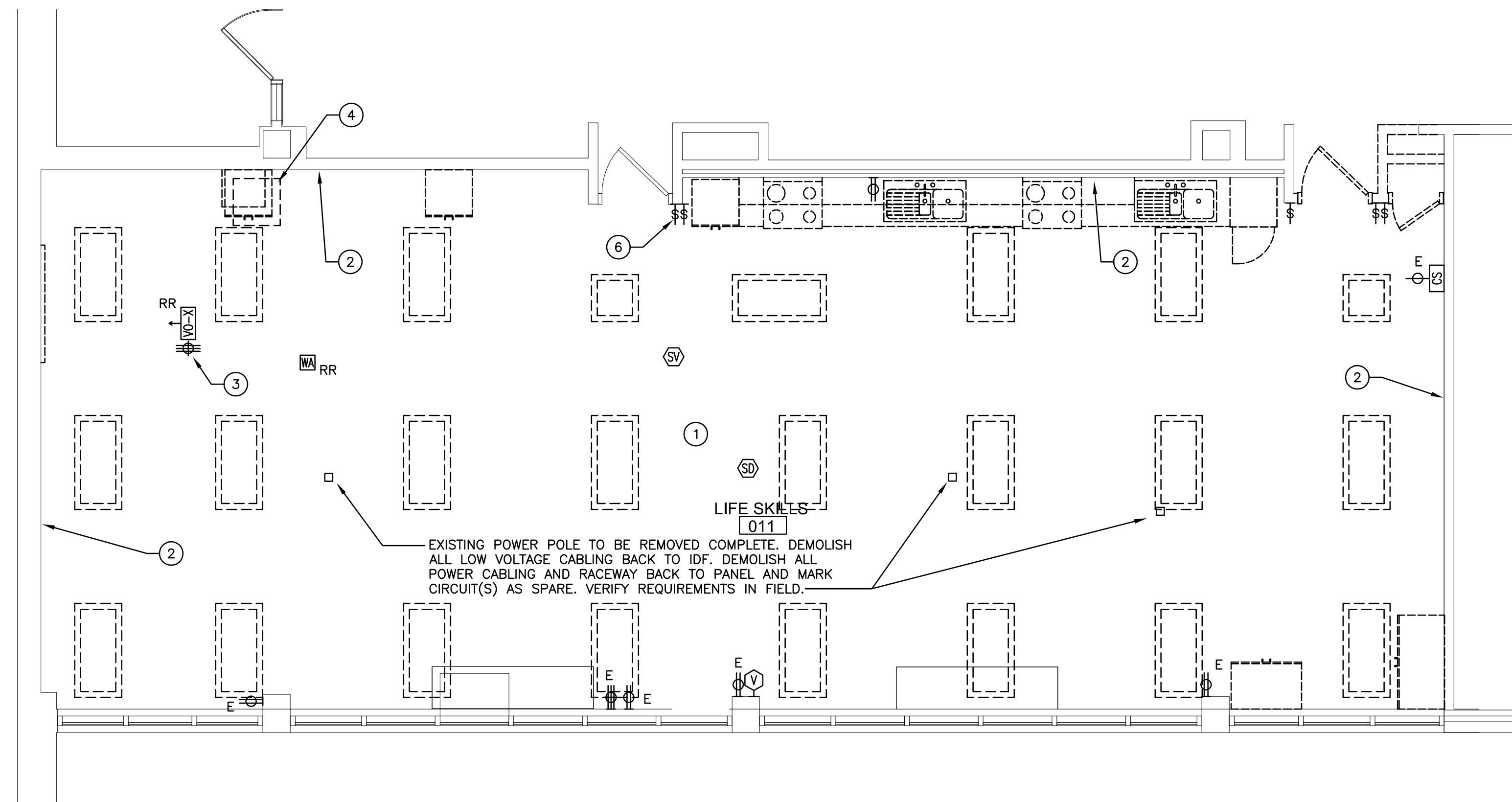
1. REFER TO GENERAL RENOVATION NOTES, SPECIFICATIONS, AND PLAN SHEETS FOR ADDITIONAL INFORMATION.
2. UNLESS NOTED OTHERWISE, ALL LIGHT FIXTURES SHOWN ON THIS SHEET ARE NEW.
3. UNLESS NOTED OTHERWISE, ALL NEW LIGHTING FIXTURES SHOWN SHALL BE OF "F1" FIXTURE TYPE.
4. ALL EXIT SIGNS SHALL BE CONNECTED INTO ROOM LIGHTING CIRCUIT, AHEAD OF LOCAL SWITCHING. UNITS SHALL OPERATE WHEN NORMAL LIGHTING FAILS.
5. CONNECT NEW FIRE ALARM DEVICES TO THE EXISTING SIMPLEX 4100 FIRE ALARM CONTROL PANEL IN BASEMENT. VERIFY THE FACP LOCATION AND REQUIREMENTS IN FIELD.
6. NO EXPOSED CONDUIT SHALL BE PERMITTED IN FINISHED SPACES. ALL CONDUIT NOT CONCEALED IN WALL OR ABOVE CEILING SHALL BE ROUTED IN SURFACE RACEWAY PAINTED TO MATCH WALL. VERIFY REQUIREMENTS WITH ARCHITECT.

KEY NOTES

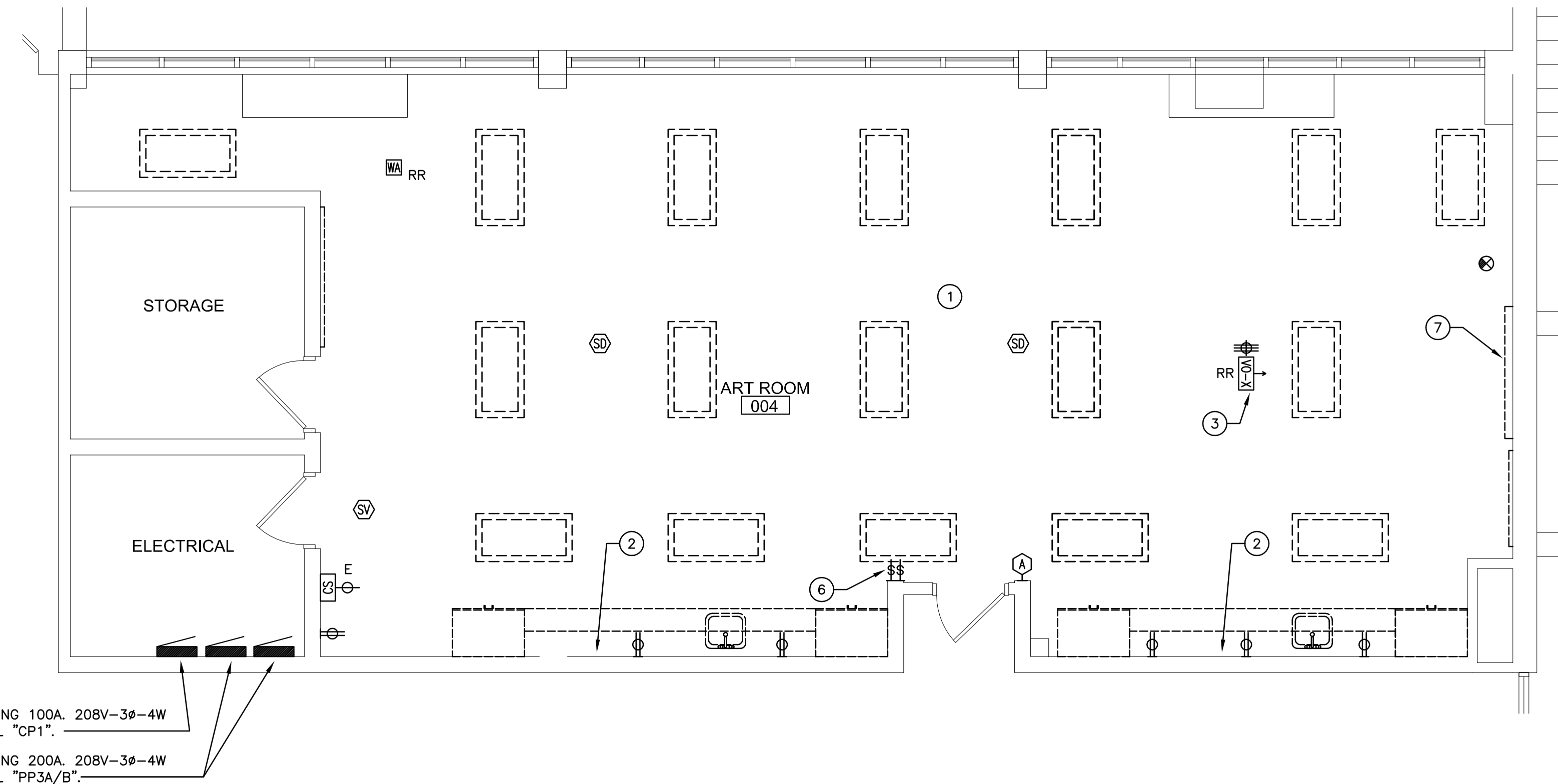
1. **LIGHTING REPLACEMENT AND CEILING DEMOLITION**
UNLESS NOTED OTHERWISE, DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICES FROM CEILING BEING REMOVED/REPLACED AS FOLLOWS: LIGHTING FIXTURE(S) AND WALL CONTROLLER ALONG WITH ALL ASSOCIATED BOXES, CONDUIT, AND WIRING COMPLETE. MAINTAIN CIRCUIT IN ROOM FOR CONNECTION TO NEW LIGHTING. PROVIDE FOR WIRING CONTINUITY IN ALL CASES AS REQUIRED. ALL CEILING MOUNTED ELECTRICAL DEVICES ARE TO BE REMOVED AND RELOCATED. COORDINATE EXACT LOCATIONS AND REQUIREMENTS IN FIELD. REFER TO GENERAL DEMOLITION NOTES, SPECIFICATIONS AND ADDITIONAL WORK AND NOTES.
2. **GENERAL WALL/CASEWORK DEMOLITION**
UNLESS NOTED OTHERWISE, DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICES FROM WALL(S) AND/OR CASEWORK BEING REMOVED AS FOLLOWS: SWITCH(ES), RECEPTACLE(S), FIRE ALARM DEVICE(S), WALL MOUNTED LIGHTING FIXTURE(S), EXIT SIGN(S), CLOCKS(S), MISCELLANEOUS ELECTRICAL DEVICE(S), ABANDONED JUNCTION BOX(ES), DATA JACK & PHONE LOCATION(S) (i.e. FACEPLATE(S), INSERT(S), LOW VOLTAGE CABLING, & INFRASTRUCTURE), ETC. ALONG WITH ALL ASSOCIATED BOXES, CONDUIT, AND WIRING COMPLETE. IN GENERAL, CONDUIT BEING USED FOR RECEPTACLES EXISTING TO REMAIN SHALL BE RELOCATED OR REPLACED (REROUTED) FOR WIRING CONTINUITY TO SAME. PROVIDE WIRING CONTINUITY AS NEEDED. COORDINATE EXACT LOCATIONS AND REQUIREMENTS IN FIELD. REFER TO GENERAL DEMOLITION NOTES, SPECIFICATIONS, AND POWER/SYSTEM PLANS FOR COORDINATION AND ADDITIONAL WORK AND NOTES.

KEY NOTES (CONT'D)

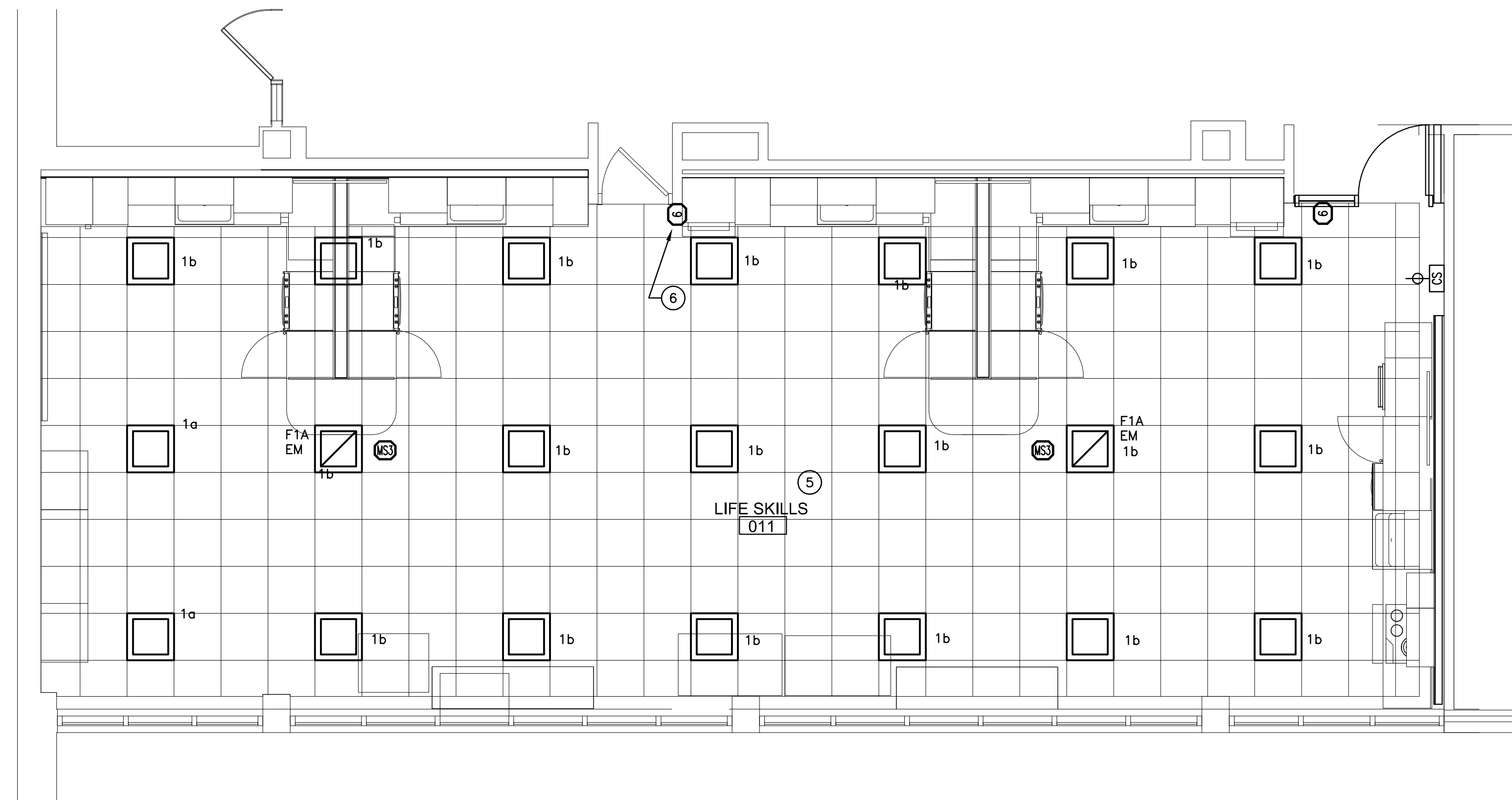
3. **EXISTING PROJECTOR**
EXISTING CEILING MOUNTED PROJECTOR TO BE CAREFULLY REMOVED AND STORED TO PROTECT FROM DAMAGE. REFER TO NEW ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
4. **EXISTING DATA CABINET**
EXISTING WALL-MOUNTED DATA CABINET TO BE REMOVED AND RELOCATED. REFER TO NEW ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
5. **NEW LIGHT FIXTURES**
PROVIDE AND INSTALL NEW LIGHTING FIXTURES, OCCUPANCY SENSORS AND CONNECT TO EXISTING ROOM LIGHTING CIRCUIT(S) MADE AVAILABLE BY DEMOLITION. CIRCUIT NUMBER SHOWN ARE FOR REFERENCE ONLY. ACTUAL CIRCUIT NUMBER TO BE DETERMINED IN FIELD. PROVIDE ROOM LIGHTING CONTROLLER(S) AS REQUIRED. REINSTALL AND ALL EXISTING ELECTRICAL DEVICES TO THE NEW CEILING AS REQUIRED. VERIFY LOCATIONS AND REQUIREMENTS IN FIELD.
6. **NEW SWITCHES**
REPLACE EXISTING SWITCH AND ASSOCIATED WIRING WITH NEW LOW VOLTAGE SWITCHING AND WIRING IN EXISTING BACKBOX AND RACEWAY. PROVIDE MATCHING BLANK COVER PLATE AS NEEDED. REFER TO TYPICAL ROOM CONTROL DIAGRAM.
7. **SMART BOARD**
EXISTING SMART BOARD TO BE PROTECTED AND REUSED ON SAME WALL WITH RELOCATED PROJECTOR. VERIFY FINAL LOCATION WITH ARCHITECT.



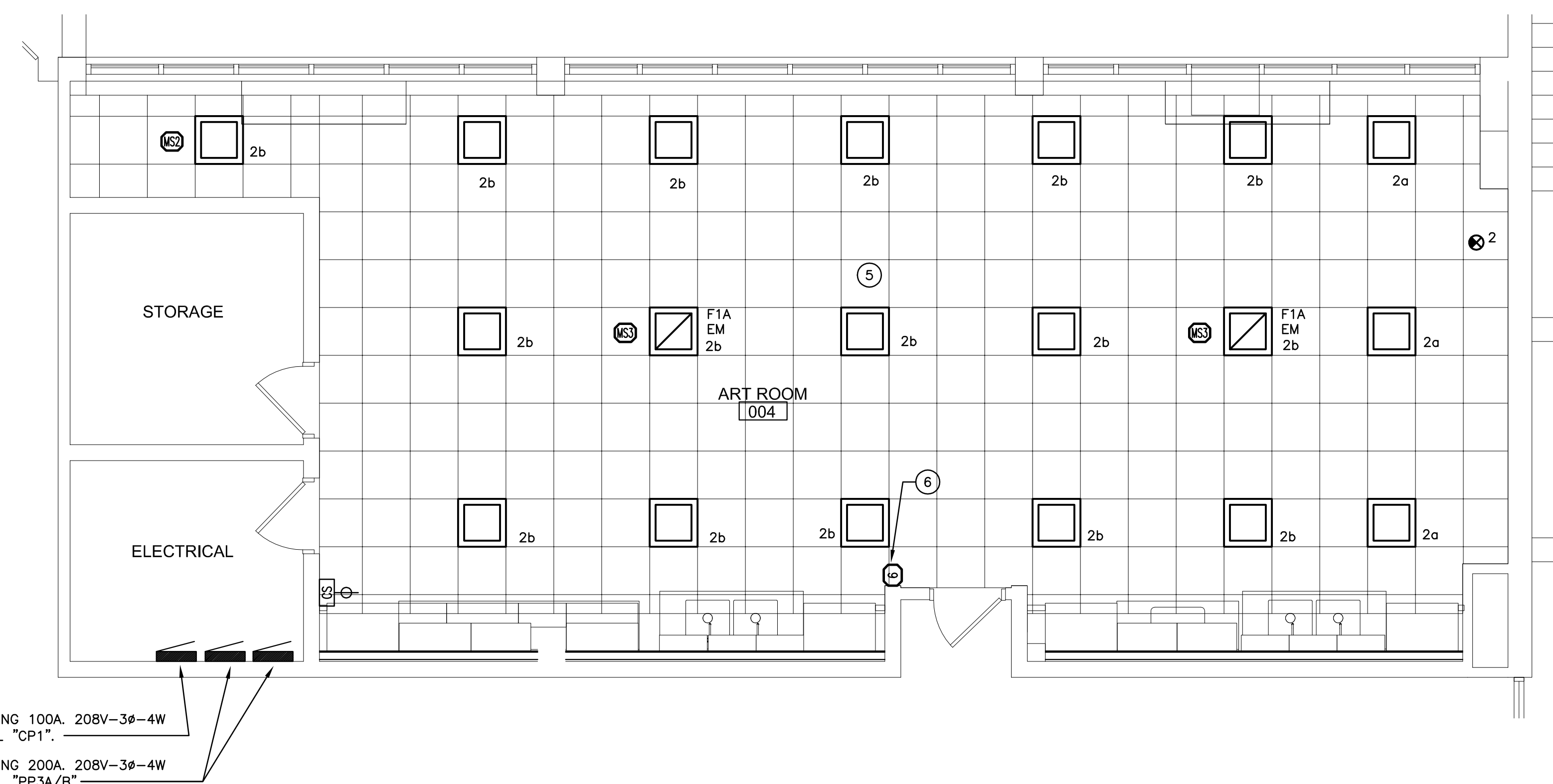
1 LIFE SKILLS 011 ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0"



2 ART ROOM 004 ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0"

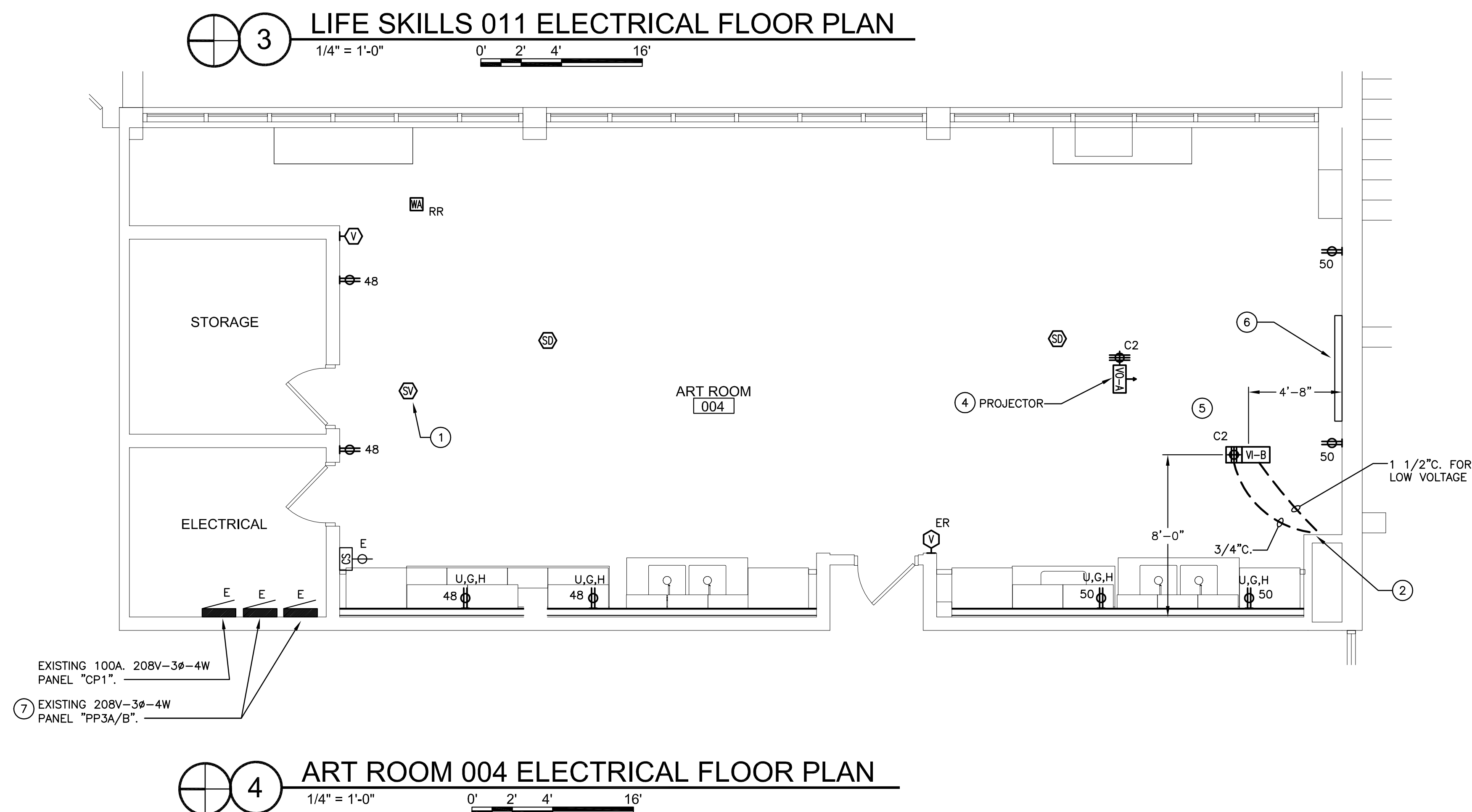
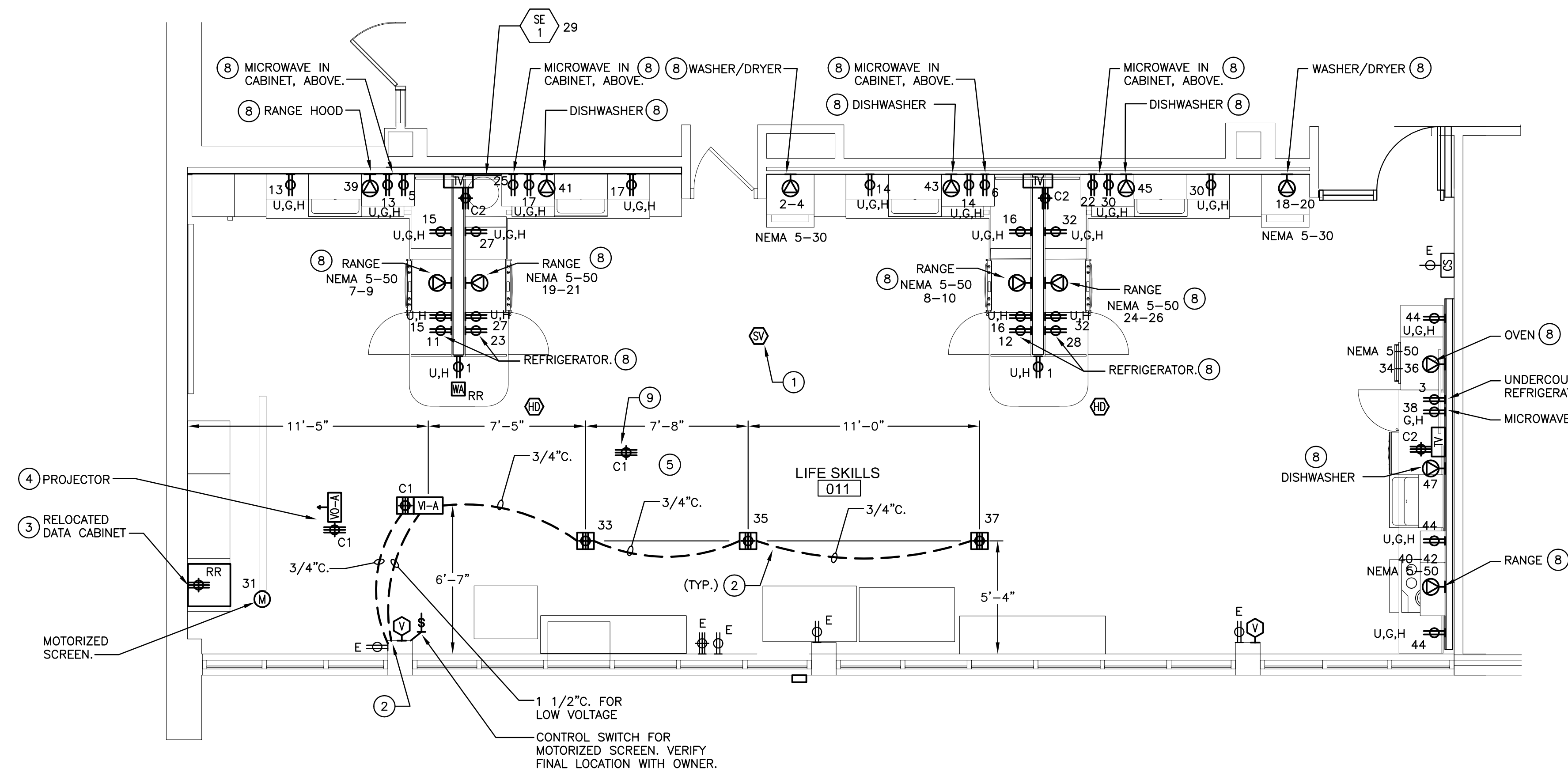
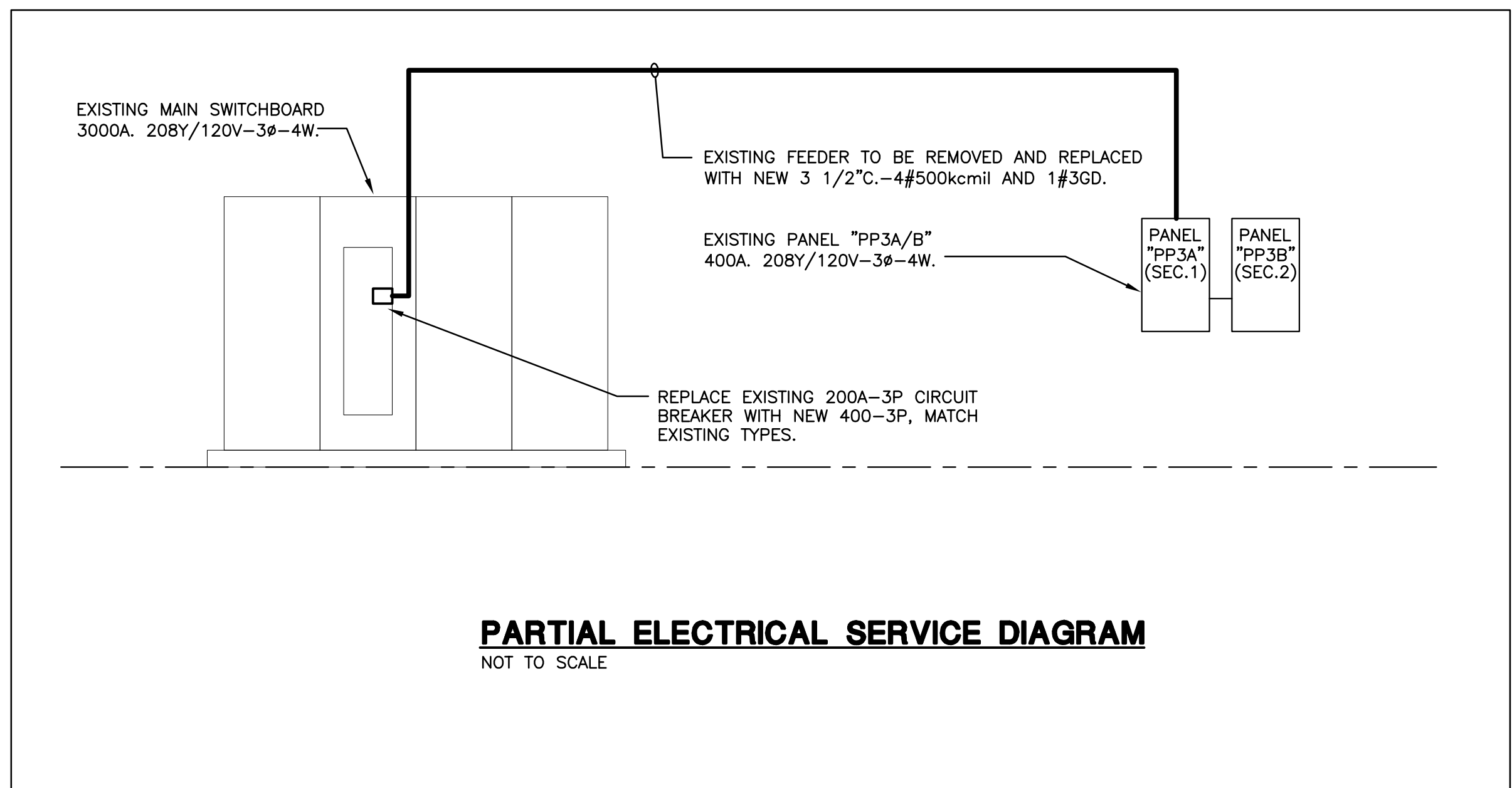


3 LIFE SKILLS 011 LIGHTING FLOOR PLAN
1/4" = 1'-0"



4 ART ROOM 004 LIGHTING FLOOR PLAN
1/4" = 1'-0"

MOTOR CONNECTION / FEEDER SCHEDULE									
MOTOR TAG	MOTOR/EQUIPMENT DESCRIPTION	LOAD (HP, FLA)	PANEL / M.C.C.		CONDUCTOR	CONDUIT	STARTER	* EQUIPMENT MOUNTED DISCONNECT	REMARKS, MISCELLANEOUS
			NAME	VOLTS/ PHASE					
SE	SEWAGE EJECTOR	11.0A	EM-ELEV	120/1	20A-1P	2#12 & 1#12GD.	3/4"	N	20A SWITCH 1/2" HP INSTALL NEARBY DUPLEX OUTLET
NOTES: 1. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL STARTERS UNLESS NOTED OTHERWISE. REFER TO SPECIFICATIONS. 2. ELECTRICAL CONTRACTOR SHALL PROVIDE NEW EQUIPMENT MOUNTED DISCONNECTS. REFER TO SPECIFICATIONS. 3. REFER TO DRAWING FOR PANEL AND CIRCUIT NUMBERS, UNLESS NOTED OTHERWISE. 4. PROVIDE THERMAL DISCONNECT SWITCH "TDSW". "TDSW-WP" DENOTES WEATHERPROOF TYPE. *** - REFER TO PLANS FOR PANEL INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL COORDINATION OF ALL ELECTRICAL REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT WITH THE MANUFACTURER'S WRITTEN FOR EACH MECHANICAL FEEDER PRIOR TO SUBMITTAL OF ANY ELECTRICAL ALLOWED FOR ANY CHANGES TO ELECTRICAL FEEDERS OR CIRCUIT BREAKERS REQUIRED FOR ANY MECHANICAL DEVICES.									



CCT		C/B	DESCRIPTION	A Ø WATTS	B Ø WATTS	C Ø WATTS	DESCRIPTION	C/B	CCT
1	20		KNEEWALL RECEPS	400 Ø 2500			WASHER/DRYER	30	2
3	20		UNDER-COUNTER REFRIGERATOR		1000 Ø 2500			2	4
5	20		MICROWAVE			1000 Ø 1000	MICROWAVE	20	6
7	60		ELECTRIC RANGE	4500 Ø 4500			ELECTRIC RANGE	60	8
9	2				4500 Ø 4500			2	10
11	20		REFRIGERATOR			1000 Ø 1000	REFRIGERATOR	20	12
13			COUNTERTOP RECEPS	1200 Ø 1200			COUNTERTOP RECEPS	1	14
15			COUNTERTOP RECEPS		1200 Ø 1200		COUNTERTOP RECEPS	1	16
17	1		COUNTERTOP RECEPS			1200 Ø 2500	WASHER/DRYER	30	18
19	60		ELECTRIC RANGE	4500 Ø 2500				2	20
21	2				4500 Ø 1200		MICROWAVE	20	22
23	20		REFRIGERATOR			1000 Ø 4500	ELECTRIC RANGE	60	24
25			MICROWAVE	1200 Ø 4500				2	26
27			COUNTERTOP RECEPS		1200 Ø 1000		REFRIGERATOR	20	28
29			SEWAGE EJECTOR "SE-1"			1320 Ø 1200	COUNTERTOP RECEPS	1	30
31			MOTORIZED PROJECTOR SCREEN	800 Ø 1200			COUNTERTOP RECEPS	1	32
33			FLOORBOX RECEPS		800 Ø 4500		WALL-MOUNTED OVEN	60	34
35			FLOORBOX RECEPS			800 Ø 4500		2	36
37			FLOORBOX RECEPS	800 Ø 1000			MICROWAVE	20	38
39			RANGE HOOD		1200 Ø 4500		ELECTRIC RANGE	60	40
41	1		RANGE HOOD			1200 Ø 4500		2	42
				TOTAL WATTS THIS PANEL: (SEE SECTION 2)					

PANEL NO. "PP3A/B" (SECTION 2) EXISTING

PANEL LOC. ELECTRICAL ROOM PANEL TYPE C.B. - 400A. M.L.O.

MOUNTING SURFACE VOLTAGE: 120/208 v. 3Ø 4 w.

CCT	C/B	DESCRIPTION	A Ø WATTS	B Ø WATTS	C Ø WATTS	DESCRIPTION	C/B	CCT
43	20	RANGE HOOD	1200 ○ 1200			COUNTERTOP RECEPTS	20	44
45		RANGE HOOD		1200 ○ 600		GENERAL RECEPTS		46
47		RANGE HOOD			1200 ○ 1000	GENERAL RECEPTS, 004		48
49		SPARE	○ 1000			GENERAL RECEPTS, 004		50
51				○		SPARE		52
53								54
55								56
57								58
59	↓				○		↓	60
61	---	APPROXIMATE EXISTING LOAD TO REMAIN	6000 ○					62
63	---	APPROXIMATE EXISTING LOAD TO REMAIN		6000 ○				64
65	---	APPROXIMATE EXISTING LOAD TO REMAIN			6000 ○			66
67			○					68
69				○				70
71					○			72
73								74
75				○				76
77					○			78
79			○					80
81				○				82
83					○			84
			41,900	41,500	34,120			

TOTAL WATTS THIS PANEL: 116,720W. \$24.3A.

NOTES: 1. ALL CIRCUIT NUMBERS SHOWN ARE ARBITRARY AND SHOWN FOR THE PURPOSES OF CALCULATING NEW CONNECTED LOAD ONLY.
 2. ACTUAL CIRCUIT NUMBERS SHALL BE DETERMINED IN FIELD.
 3. REFER TO ELECTRICAL SERVICE DIAGRAM FOR ADDITIONAL WORK.
 4. CONNECT NEW CIRCUITS TO EXISTING CIRCUIT BREAKERS MADE SPARE BY DEMOLITION WHERE POSSIBLE.
 PROVIDE NEW AS REQUIRED OR INDICATED. COORDINATE ALL BREAKER RATING WITH MANUFACTURER OF PROVIDED EQUIPMENT.

- ## GENERAL NOTES
1. EQUIPMENT AND DEVICES SHOWN SHALL BE NEW UNLESS NOTED OTHERWISE.
 2. ALL NEW NORMAL POWER CIRCUITS SHOWN SHALL BE ROUTED TO EXISTING PANEL "PP3A/B" UNLESS NOTED OTHERWISE. ALL COMPUTER POWER IN THE DATA CENTER SHALL BE ROUTED TO PANEL "CP-1" PROVIDE ADDITIONAL 20A-1 CIRCUIT BREAKERS (TO MATCH EXISTING TYPES) AS REQUIRED. CIRCUIT NUMBERS SHOWN ARE ARBITRARY; ACTUAL CIRCUIT NUMBERS TO BE DETERMINED IN FIELD.
 3. ALL NEW DATA AND VOICE DROPS SHALL BE ROUTED TO EXISTING IDF. REFER TO COMPOSITE PLANS FOR LOCATION.
 4. ALL BRANCH CIRCUITS SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR AND AN EQUIPMENT GROUNDING CONDUCTOR.
 5. ALL INTERCOM SPEAKERS SHALL BE CONNECTED TO THE EXISTING INTERCOM HEAD-END.
 6. ALL FIRE ALARM DEVICES SHOWN SHALL BE CONNECTED TO EXISTING FIRE ALARM CONTROL PANEL.
 7. NO EXPOSED CONDUIT SHALL BE PERMITTED IN FINISHED SPACES. ALL CONDUIT NOT CONCEALED IN WALL OR ABOVE CEILING SHALL BE ROUTED TO THE RACEWAY SYSTEM. MATCH WALL TO MATCH WALL. VERIFY REQUIREMENTS WITH ARCHITECT.

- (1) NEW SPECIAL NOTIFICATION AUDIO/VISUAL DEVICE; WHITE BODY AND YELLOW END WITH "ALERT" IN BLACK LETTERING. EXTEND EXISTING ROOM EXISTING ROOM CIRCUIT TO NEW LOCATION. VERIFY REQUIREMENTS IN FIELD.
- (2) SAWCUT FLOOR FOR INSTALLATION OF NEW FLOORBOARDS AND RACEWAY. PATCH AND RESTORE TO MATCH SURROUNDING CONDITIONS; REFER TO ARCHITECTURAL DRAWINGS. ROUTE UNDER-FLOOR CONDUITS TO WALL, INDICATED AND UP WALL IN DUAL-CHANNEL SURFACE WIREMOLD TO MATCH EXISTING. PROVIDE ALL NECESSARY FITTINGS AND COMPONENTS FOR A COMPLETE INSTALLATION. REFER TO DETAILS AND DIAGRAMS.
- (3) EXISTING WALL-MOUNTED DATA CABINET TO BE RELOCATED TO LOCATION INDICATED. EXTEND ALL DATA CABLE THROUGH ABOVE-CEILING SPACE TO NEW LOCATION. EXTEND EXISTING POWER RELAY TO NEW LOCATION. VERIFY REQUIREMENTS IN FIELD.
- (4) REINSTALL EXISTING CEILING MOUNTED PROJECTOR AND ASSOCIATED COMPONENTS TO CEILING SYSTEM. PROVIDE 2'x2' PEELER-FLAT PRG AND REPAIR ALL AT ALL. PROVIDE ALL NECESSARY FITTINGS AND COMPONENTS. INFORMATION AND CABLEING REQUIREMENTS. VERIFY REQUIREMENTS IN FIELD. COORDINATE FINAL LOCATION OF PROJECTOR WITH ARCHITECT.
- (5) **ALL DIMENSIONS SHOWN ARE APPROXIMATE.** FINAL LOCATION OF ALL FLOOR BOXES SHALL BE COORDINATED WITH ARCHITECT.
- (6) EXISTING SMART BOARD TO BE PROTECTED AND REUSED ON SAME WALL WITH RELOCATED PROJECTOR. VERIFY FINAL LOCATION WITH ARCHITECT.
- (7) EXISTING 400A RATED PANELBOARD TO REMAIN. REFER TO PARTIAL ELECTRICAL SERVICE DIAGRAM ON THIS SHEET FOR CIRCUIT BREAKER AND FEEDER REPLACEMENT.
- (8) **EQUIPMENT TO BE PROVIDED BY OWNER; INSTALLATION, INCLUDING WIRING, POWER CORDS, ETC. AND ALL FINAL CONNECTIONS, SHALL BE BY CONTRACTOR.** VERIFY ELECTRICAL REQUIREMENTS, MOUNTING HEIGHT, CABLE RACKER SIZE, ETC. WITH OWNER. PROVIDE ALL NECESSARY FITTINGS AND COMPONENTS FOR A COMPLETE INSTALLATION. COORDINATE CASEWORK-MOUNTED DEVICES WITH ARCHITECTURAL DRAWINGS.
- (9) POWER IN CEILING ENCLOSURE FOR HDMI AMPLIFIER AND A/V EQUIPMENT. REFER TO DETAILS AND DIAGRAMS FOR ADDITIONAL INFORMATION.