

PLOT DATE: 4/2/2026 5:13 PM  
 SAVE DATE: 3/30/2026 3:38 PM

**CLARIFICATION OF THE WORK NOTES**

**SCOPE OF WORK**

INTERIOR RENOVATION OF A CONFERENCE ROOM FOR THE ADMISSIONS DEPARTMENT, IN THE PERFORMING ARTS CENTER BUILDING ON THE PURCHASE COLLEGE CAMPUS IN PURCHASE, NY. THE RENOVATION ENTAILS A COMBINATION OF TWO EXISTING DRESSING ROOMS INTO ONE CONFERENCE ROOM, REPLACEMENT OF FLOOR, CEILING AND WALL FINISHES, PROVISION OF NEW LIGHTING FIXTURES, AND MINOR ADJUSTMENT TO EXISTING PARTITIONS AS INDICATED ON THE ARCHITECT'S DRAWINGS.

REPLACE TWO ENTRY DOORS WITH ONE AS SHOWN ON ARCHITECT'S DRAWINGS.

**NO CHANGE IN USE, OCCUPANCY, AND MINOR ADJUSTMENT TO EGRESS UNDER THIS APPLICATION.**

MECHANICAL, ELECTRICAL, PLUMBING AND SPRINKLER WORK IS INDICATED ON THE DRAWINGS PREPARED BY COLLADO ENGINEERING UNDER A SEPARATE COVER.

SEE DRAWING G-003 FOR PLOT AND KEY PLAN.  
 SEE DRAWING G-004 AND G-005 FOR ADA COMPLIANCE STANDARDS AND STANDARD MOUNTING HEIGHTS.  
 SEE DRAWING G-006 AND G-007 FOR FOR FIRE RESISTANT PENETRATIONS NOTES AND DETAILS.

**ADDITIONAL NOTES**

ALL WORK PERFORMED UNDER THIS APPLICATION AND PERMIT SHALL COMPLY WITH NY STATE AND LOCAL BUILDING CODE, AND SHALL BE CARRIED OUT IN ACCORDANCE WITH BUILDING FACILITIES ALTERATION STANDARDS, INCLUDING AFTER HOURS PERMIT AND VARIANCES WHERE NECESSARY FOR NOISY WORK.

ALL MEANS OF EGRESS TO REMAIN FREE OF OBSTRUCTIONS DURING COURSE OF CONSTRUCTION AND AT ANY TIME.

UTILITY, HEAT, ELECTRICAL SERVICES ETC. TO BE UNINTERRUPTED DURING COURSE OF CONSTRUCTION.

CONTRACTOR SHALL CARRY OUT ALL WORK IN A THOROUGH AND WORKMANLIKE MANNER, AND SHALL MINIMIZE DUST, NOISE ETC AT THE SITE DURING COURSE OF THE CONSTRUCTION IN ORDER TO MINIMIZE IMPACT ON THE ADJACENT, OCCUPIED SPACES.

UNAUTHORIZED PERSONS SHALL NOT BE PERMITTED TO ENTER CONSTRUCTION SITE DURING THE COURSE OF CONSTRUCTION.

FIRE SAFETY, ALL NECESSARY LAWS AND CONTROLS, INCLUDING THOSE IN RESPECT TO OCCUPIED TENANCIES, AS WELL AS ADDITIONAL SAFETY MEASURES NECESSITATED BY THE CONSTRUCTION STRICTLY OBSERVED.

DATE ISSUED		DRAWING LIST	
CONSTR BID	CLIENT REVIEW	DWG NO	DRAWING TITLE
		<b>MECHANICAL</b>	
07.22.2025	07.20.2024		
X	X	01	M-001.00 MECHANICAL COVER SHEET (1 OF 2)
X	X	02	M-002.00 MECHANICAL COVER SHEET (2 OF 2)
X	X	03	M-100.00 MECHANICAL CONCOURSE LEVEL DEMOLITION PLAN
X	X	04	M-200.00 MECHANICAL CONFERENCE ROOM CONSTRUCTION PLAN
X	X	05	M-301.00 MECHANICAL DETAILS (1 OF 3)
X	X	06	M-302.00 MECHANICAL DETAILS (2 OF 3)
X	X	07	M-303.00 MECHANICAL DETAILS (3 OF 3)
X	X	08	M-400.00 MECHANICAL SCHEDULES
X	X	09	M-500.00 MECHANICAL SPECIFICATIONS (1 OF 3)
X	X	10	M-501.00 MECHANICAL SPECIFICATIONS (2 OF 3)
X	X	11	M-502.00 MECHANICAL SPECIFICATIONS (3 OF 3)
		<b>ELECTRICAL</b>	
X	X	01	E-001.00 ELECTRICAL COVER SHEET (1 OF 2)
X	X	02	E-002.00 ELECTRICAL COVER SHEET (2 OF 2)
X	X	03	E-100.00 ELECTRICAL CONSTRUCTION AND DEMOLITION PLAN
X	X	04	E-200.00 ELECTRICAL EXISTING PANEL SCHEDULE
X	X	05	E-300.00 ELECTRICAL DETAILS
X	X	06	E-400.00 ELECTRICAL SPECIFICATIONS (1 OF 3)
X	X	07	E-401.00 ELECTRICAL SPECIFICATIONS (2 OF 3)
X	X	08	E-402.00 ELECTRICAL SPECIFICATIONS (3 OF 3)
		<b>PLUMBING</b>	
X	X	01	P-001.00 PLUMBING COVER SHEET
X	X	02	P-002.00 SPRINKLER COVER SHEET
X	X	03	P-100.00 PLUMBING AND SPRINKLER CONSTRUCTION PLAN
X	X	04	P-200.00 PLUMBING SPECIFICATIONS
X	X	05	P-201.00 SPRINKLER SPECIFICATIONS (1 OF 2)
X	X	06	P-202.00 SPRINKLER SPECIFICATIONS (2 OF 2)

DATE ISSUED		DRAWING LIST	
CONSTR BID	CLIENT REVIEW	DWG NO	DRAWING TITLE
		<b>GENERAL</b>	
07.22.2025	07.20.2024		
X	-	01	G-001.00 TITLE SHEET AND INDEX OF DRAWINGS
X	-	02	G-002.00 ABBREVIATIONS AND SYMBOLS
X	-	03	G-003.00 PLOT PLAN AND KEY PLAN
X	-	04	G-004.00 ADA COMPLIANCE STANDARDS
X	-	05	G-005.00 ADA COMPLIANCE STANDARDS
X	-	06	G-006.00 FIRE RESISTANT PENETRATIONS MATERIAL SPECIFICATIONS
X	-	07	G-007.00 FIRE RESISTANT PENETRATIONS MATERIAL DETAILS
X	-	08	G-010.00 GENERAL NOTES
X	-	09	G-011.00 GENERAL NOTES
X	-	10	G-200.00 LIGHTING FIXTURES SCHEDULE
		<b>DEMOLITION</b>	
X	X	11	D-100.00 CONCOURSE LEVEL DEMOLITION PLAN
		<b>ARCHITECTURAL</b>	
X	X	12	A-200.00 CONCOURSE LEVEL CONSTRUCTION FLOOR PLAN
X	X	13	A-210.00 CONCOURSE LEVEL REFLECTED CEILING PLAN
X	X	14	A-220.00 CONCOURSE LEVEL POWER, DATA AND EQUIPMENT PLAN
X	X	15	A-230.00 CONCOURSE LEVEL FINISH PLAN AND FINISH SCHEDULE
X	-	16	A-300.00 CONFERENCE ROOM ELEVATIONS
X	-	17	A-400.00 PARTITION TYPES AND DETAILS, FLOOR AND CEILING DETAILS
X	-	18	A-410.00 DOOR TYPES, DETAILS AND DOOR & HARDWARE SCHEDULE
X	-	19	A-411.00 DOOR AND SIDE-LIGHT DETAILS
X	-	20	A-500.00 MILLWORK DETAILS - CREDENZA
X	-	21	A-501.00 MILLWORK DETAILS - CREDENZA
X	-	22	A-502.00 MILLWORK DETAILS - CREDENZA

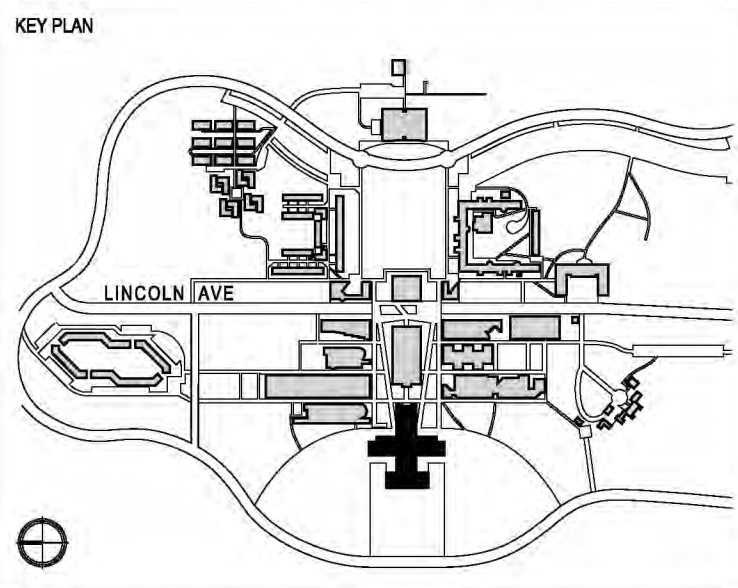
# PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK  
 PERFORMING ARTS CENTER  
 ADMISSIONS CONFERENCE ROOM

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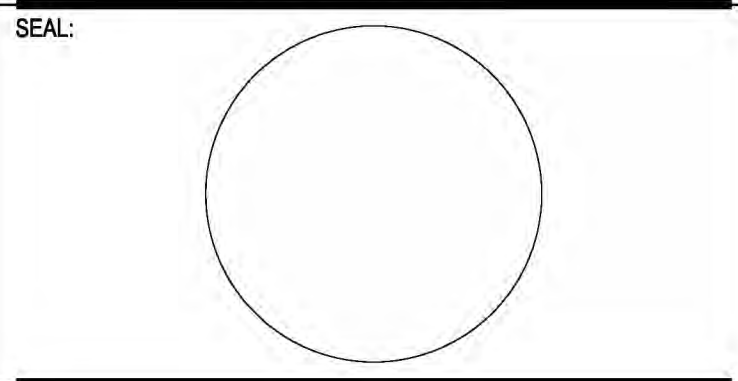
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## BID ISSUE



NO	DATE	DESCRIPTION	ISSUES
03	07.22.2025	ISSUED FOR BID	
02	09.28.2024	90% CD ISSUED FOR CLIENT APPROVAL	
01	07.20.2024	ISSUED FOR CLIENT REVIEW	

CONTRACT NUMBER SU 022626  
 CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:  
**TITLE SHEET AND INDEX OF DRAWINGS**

DRAWING NUMBER DRAWING 01 OF 22

# G-001.00

**ABBREVIATIONS**

**ARCHITECTURAL**

&	AND	FL.	FLOOR	SPKLR.	SPRINKLER	FIN.	FINISHED
@	AT	F.P.	FIRE PROOF	SSM	SOLID FORMED SURFACE MATERIAL	FF=8.5	FIRST FLOOR ELEVATION
Ø	DIAMETER	F.R.	FIRE RATING/FIRE RATED	ST. STL./SS	STAINLESS STEEL	F.F.	FRONT FACE
CL	CENTER LINE	FT.	FOOT (FEET)	STL.	STEEL	FR.	FRAME
PL	PROPERTY LINE	FTG.	FOOTING	STO.	STORAGE	F.V.	FIELD VERIFY
A.C.	AIR CONDITIONED	FURR.	FURRING	STRUCT.	STRUCTURAL	FTG.	FOOTING
ACOUS	ACOUSTICAL	GA.	GAUGE	SUSP.	SUSPENDED	GALV.	GALVANIZED
ACT	ACOUSTICAL CEILING TILE	GC	GENERAL CONTRACTOR	T	TREAD	GR.	GROUND
ADJ	ADJUSTABLE	GCT	GLAZED CERAMIC TILE (WALL)	TEL.	TELEPHONE	HEX.	HEXAGONAL
AGGLOM.	AGGLOMERATE	GL.	GLASS/GLAZING	TEMP.	TEMPERATURE/TEMPERED (GLASS)	H.R.	HAND RAIL
A.F.C.	AUTOMATIC FIRE CONTROL	G.R.	GUARDRAIL	T & G	TONGUE AND GROOVE THICK	H.S.	HIGH STRENGTH
AFF	ABOVE FINISH FLOOR	GYP.	GYPSON	TH.	TICKET VENDING MACHINE	H.P.	HIGH POINT
ALT	ALTERNATE	GWB	GYPSON WALLBOARD	T.V.M.	TELEVISION	H.P.S.	HIGH PRESSURE SODIUM
ALUM.	ALUMINUM	HDWR.	HARDWARE	T.O.	TOP OF	HORIZ.	HORIZONTAL
ANOD.	ANODIZED	HT.	HEIGHT	T.O.P.	TOP OF PLANK	HYD.	HYDRANT
ARCH.	ARCHITECTURAL/ARCHITECT	HTG.	HEATING	TOIL.	TOILET	I.D.	INSIDE DIAMETER
ASST.	ASSISTANCE	H.M.	HOLLOW METAL	TERR.	TERRAZZO	INCL.	INCLUDED
ATOS.	ABOVE TOP OF SLAB	HORIZ.	HORIZONTAL	TT	TERRAZZO TILE	INV.	INVERT
AV	AUDIO VISUAL (EQUIPMENT)	H.P.	HIGH POINT	TYP.	TYPICAL	LG.	LONG
AVIS.	AUDIO VISUAL INFORMATION SYSTEM	H.V.A.C.	HEATING VENTILATING & AIR CONDITIONING	U..N.	UNLESS OTHERWISE NOTED	LN.	LANE
AWP	ACOUSTICAL WALL PANEL	H.V.	HEATING, VENTILATING UNIT	VB	VINYL BASE	L.P.	LOW POINT
BD.	BOARD	HR.	HOUR/HANDRAIL	VCT	VINYL COMPOSITION TILE	MAX	MAXIMUM
BET.	BETWEEN	H.W.H.	HOT WATER HEATER	VEST.	VESTIBULE	M.B.	MILL TO BEAR
BIT.	BITUMINOUS	IN.	INCH	V.I.F.	VERIFY IN FIELD	MEAS.	MEASURE
BLDG.	BUILDING	INSUL.	INSULATION	V.J.	VISION PANEL	M.H.	MANHOLE
BM.	BEAM	INT.	INTERIOR	VWC	VINYL WALLCOVERING	MISC.	MISCELLANEOUS
B.O.	BOTTOM OF	J.C.	JANITOR CLOSET	W/	WITH	MOD.	MODIFIED
BOT.	BOTTOM	JT.	JOINT	W/O	WITHOUT	M.P.A.	MAINTENANCE & PROTECTION OF TRAFFIC
BR.	BULLET RESISTANT	L	LONG	WD	WOOD	MTD	MOUNTED
BRKT.	BRACKET	LAM.	LAMINATED	WIN.	WINDOW	N.	NORTH
BSMT.	BASEMENT	L.H.	LEFT HAND	WP	WATERPROOF(ING)	N.B.	NORTH BOUND
CAB.	CABINET	LONG.	LONGITUDINAL	W.P.T.	WORKING POINT	N.G.V.D.	NATIONAL GEODETIC VERTICAL DATUM
CCTV	CLOSE CIRCUIT TELEVISION	L.P.	LOW POINT	ABAN.	ABANDONED	NO	NUMBER
C.JT.	CONTROL JOINT	LTG.	LIGHTING	ABUT.	ABUTMENT	O.E.	OR EQUAL
CL.	CLOSET	LVL.	LEVEL	APPR.	APPROACH	O.H.	OVERHEAD
CL.G.	CEILING	LVR.	LOUVER	ARCH.	ARCHITECTURAL	O.D.	OUTSIDE DIAMETER
C.M.U.	CONCRETE MASONRY UNIT	L.V.R.	LOUVER	A.T.O.R.	ABOVE TOP OF RAIL	O.S.L.	OUTSTANDING LEG
COL.	COLUMN	MAX.	MAXIMUM	ASPH.	ASPHALT	PVMT.	PAVEMENT
COMM.	COMMUNICATIONS	MCT	METAL CEILING TILE	BARR.	BARRICADES	PED.	PEDESTRIAN
CONC.	CONCRETE	MECH.	MECHANICAL	BET.	BETWEEN	P.C.	POINT OF CURVE
CONSTR.	CONSTRUCTION	MEMBR.	MEMBRANE	B.L.	BASE LINE	P.I.	POINT OF INTERSECTION
CONT.	CONTINUOUS	MGR.	MANAGER	BLK.	BLOCK	P.L.	PROPERTY LINE
CORR.	CORRIDOR	MIN.	MINIMUM	BR.	BRIDGE	PL, PLS	PLATE(S)
C.R.	CEILING REGISTER	MISC.	MISCELLANEOUS	BRG. BRGS.	BEARING(S)	PLATF.	PLATFORM
C.W.	COLD WATER	M.O.	MASONRY OPENING	BOT.	BOTTOM	PKG.	PARKING
DEMO.	DEMOLITION/DEMOLISH	MTD.	MOUNTED	BRK.	BRICK	PROP.	PROPOSED
DEPT.	DEPARTMENT	MTL.	METAL	BIT.	BITUMINOUS	PROT.	PROTECTIVE
DIA.	DIAMETER	MTL. PNL.	METAL PANEL	C.I.P.	CAST IN PLACE	P.T.	POINT OF TANGENT
DIAG.	DIAGONAL	NO.	NUMBER	C.B.	CATCH BASIN	PVC	POLYVINYLCHLORIDE
DIM.	DIMENSION	N.T.S.	NOT TO SCALE	CEM.	CEMENT	RET.	RETAINING
DISP.	DISPENSER	O.C.	ON CENTER	C.L.F.	CHAIN LINK FENCE	R.F.	REAR FACE
DN.	DOWN	OPNG.	OPENING	C.M.	CENTER TO CENTER	R.O.W.	RIGHT OF WAY
DR.	DOOR	OPP.	OPPOSITE	C.G.	CENTER OF GRAVITY	RD.	ROAD
DET.	DETAIL	O.H.	OVERHEAD	CL. CLEAR.	CLEARANCE	RDWY	ROADWAY
DWG.	DRAWING	PC	PLASTER CEMENT	CO.	COMPANY	R.R.	RAILROAD
E.J.	EXPANSION JOINT	PCP	PRECAST CONCRETE PANELS	CONN.	CONNECTION	S.D.L.	SUPERIMPOSED DEAD LOAD
EA	EACH	PART.	PARTITION OR PARTIAL	CONSTR.	CONSTRUCTION	SEC.	SECTION
EDR	ELECTRICAL DISTRIBUTION ROOM	PL	PLASTIC	C.P.G.W.	COMPLETE PENETRATION GROOVE WELD	SL.	SLAB
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	PLAM	PLASTIC LAMINATE	C.P.G.X.	GROOVE WELD	S.W.	SIDEWALK
ELEC.	ELECTRICAL	PLAST.	PLASTER	D.L.	DEAD LOAD	T.B.A.	TEMPORARY BENCH MARK
ELEV.	ELEVATOR	PLBG.	PLUMBING	DEFL.	DEFLECTION	T.G.	TOP OF GRATE
EMS.	ELECTRONIC MESSAGE SIGN	PLYWD.	PLYWOOD	DET	DETAIL	W.L.	WORK LINE
EQ.	EQUAL	PNL.	PANEL	D.I.	DUCTILE IRON	WD.	WOOD
EQUIP.	EQUIPMENT	PSI	POUNDS PER SQUARE INCH	D.I.P.	DUCTILE IRON PIPE	W.S.	WEARING SURFACE
EPDM	ETHYLENE PROPYLENE DIENE MONOMETER	PT.	PAINT	DWG, DWGS	DRAWING(S)	W.P.	WORK POINT
ESC.	ESCALATOR	R.	RISER	DR.	DRIVE	W.W.F.	WELDED WIRE FABRIC
ETC.	ETCETERA	RAD.	RADIATOR	D.O.	DITTO		
EXIST.	EXISTING	R.D.	ROOF DRAIN	EA.	EACH		
EXP.	EXPANSION	REF.	REFERENCE	E.F.	EACH FACE		
EXP.	EXPOSED	REINF.	REINFORCING	E.B.	EAST BOUND		
EXT.	EXTERIOR	REQ'D	REQUIRED	E.G.	EXISTING GRADE		
F.A.C.P.	FIRE ALARM CONTROL PANEL	REV.	REVISION(S), REVISED	EL.	ELEVATION		
F.D.	FLOOR DRAIN	R.H.	RIGHT HAND	E.W.	EACH WAY		
F.E.	FIRE EXTINGUISHER	RM.	ROOM	ELEC.	ELECTRICAL		
F.E.C.	FIRE EXTINGUISHER CABINET	R.O.	ROUGH OPENING	EMBED.	EMBEDMENT		
FFE	FINISH FLOOR ELEVATION	SCHED.	SCHEDULE	EQ. SPA.	EQUAL SPACES		
FHC	FIRE HOSE CABINET	SHT.	SHEET	EQ.	EQUAL		
FIN.	FINISH	SIM.	SIMILAR	EXIST	EXISTING		
FIXT.	FIXTURE	SPEC.	SPECIFICATION	EXP.	EXPANSION		

**CIVIL/STRUCTURAL**

**ARCHITECTURAL MATERIALS SYMBOLS**

	ACOUSTICAL INSULATION
	RUBBER/PLASTIC
	METAL GRATING
	WATERPROOFING MEMBRANE
	AIR/VAPOR BARRIER
	CONCRETE
	BRICK MASONRY COMMON FACE
	STEEL
	ALUMINUM
	CMU BLOCK
	PLYWOOD (LARGE SCALE)
	RESILIENT FLOORING/PLASTIC LAMINATE
	GLASS
	ACOUSTICAL TILE
	WOOD (CONTINUOUS ROUGH)
	WOOD (ROUGH SHIM)
	MARBLE
	EARTH
	GYPSON WALL BOARD
	HARDWOOD
	WOOD/SECTION
	BATT INSULATION
	TERAZZO TILE
	CERAMIC/QUARRY TILE

**ARCHITECTURAL GRAPHIC SYMBOLS**

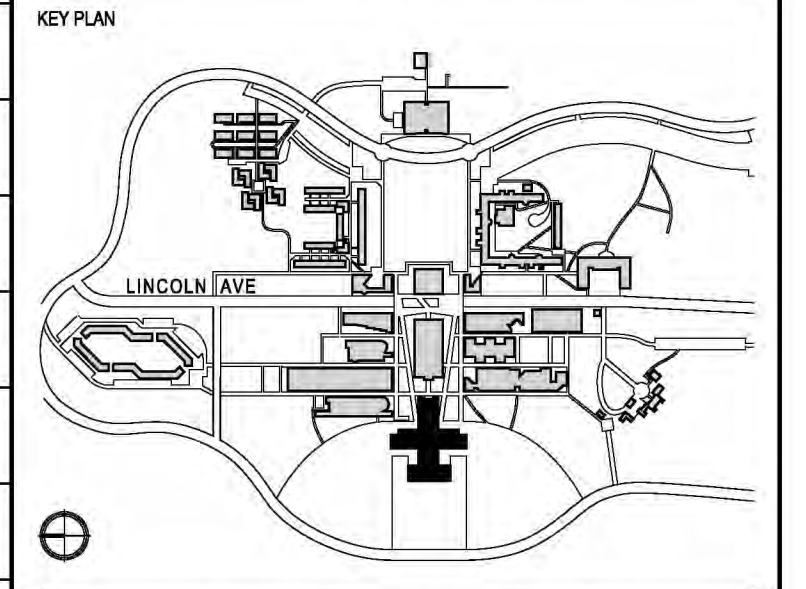
	ROOM NAME ROOM NUMBER		GLAZING TAG
	CEILING HEIGHT		MATERIAL TAG
	COLUMN GRID NUMBER		SECTION INDICATOR
	NEW DOOR DESIGNATION/NUMBER		PARTITION TYPE
	REVISION TAG		THRESHOLD OR CHANGE OF MATERIALS
	ELEVATION INDICATOR		MATCH LINE REFERENCE
	4 WAY INTERIOR ELEVATION TAG		PROPERTY LINE
	BENCHMARK ELEVATION TO SURFACE INDICATED		DETAIL INDICATOR
	FIXTURE TAG		NORTH ARROW

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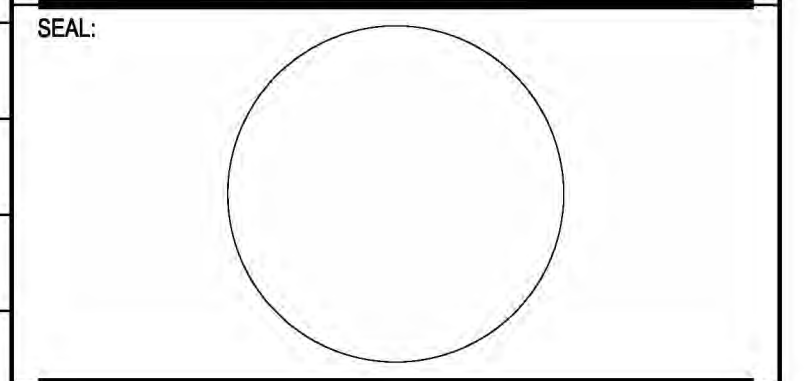
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CONTRACT NUMBER SU 022626  
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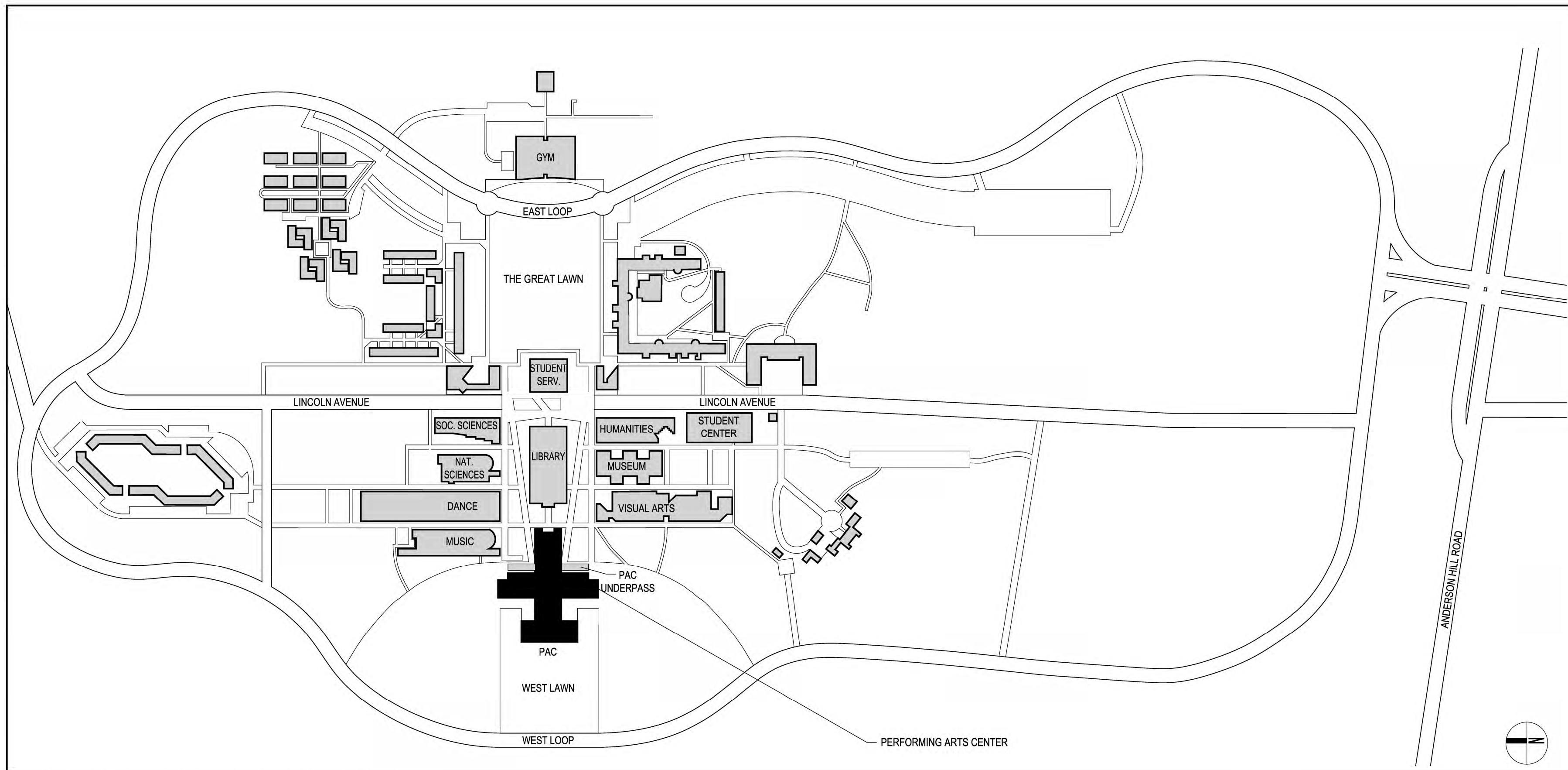
SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

**ABBREVIATIONS AND SYMBOLS**

DRAWING NUMBER DRAWING 02 OF 22

**G-002.00**



# PURCHASE COLLEGE

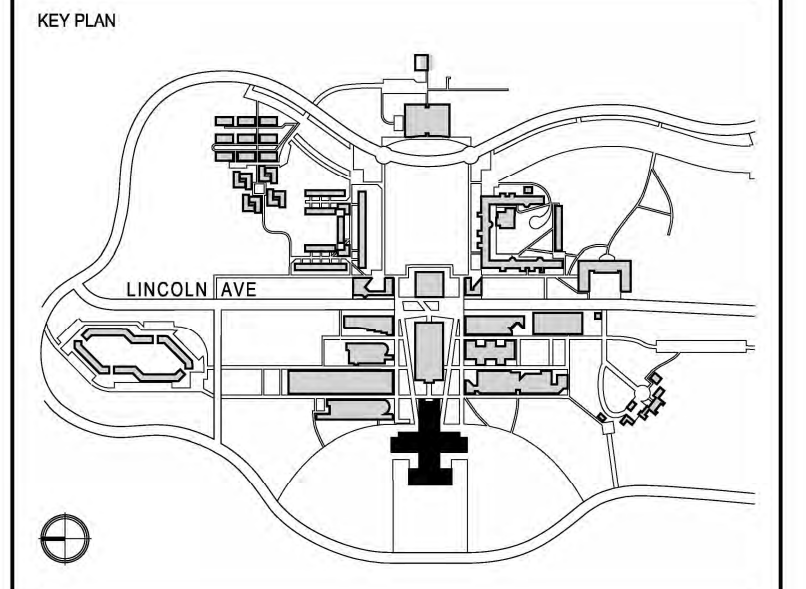
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### ADMISSIONS CONFERENCE ROOM

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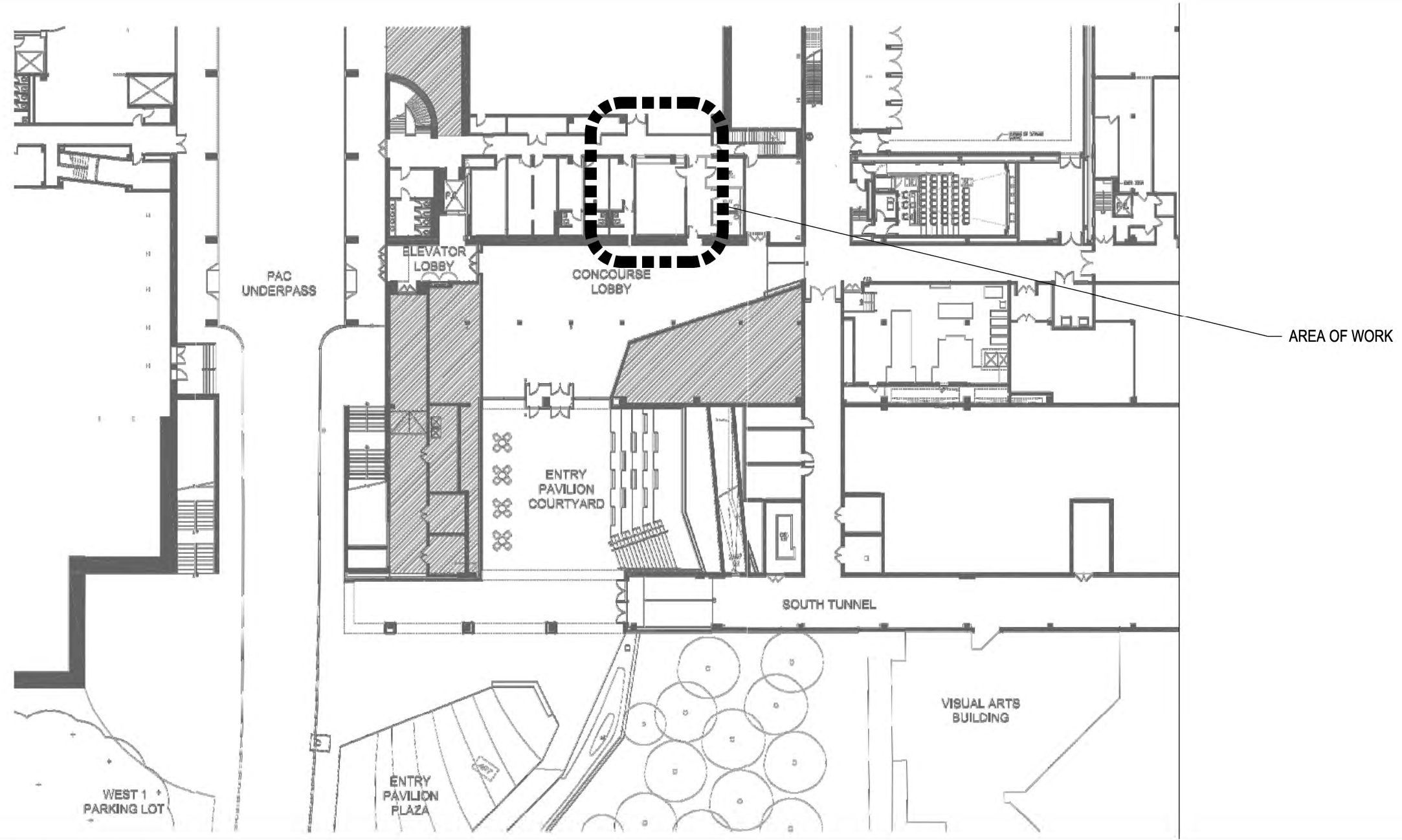
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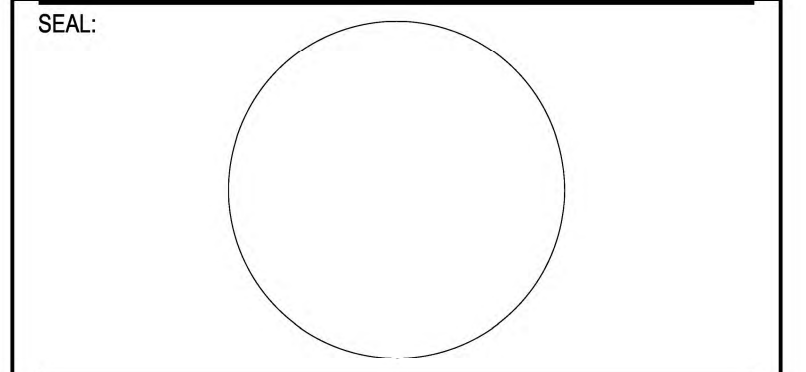
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**1 PLOT PLAN - PURCHASE COLLEGE CAMPUS MAP**  
 NTS



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DRAWING TITLE:  
**PLOT PLAN AND KEY PLAN**

DRAWING NUMBER DRAWING 03 OF 22

# G-003.00

**2 KEY PLAN - PARTIAL CONCOURSE LEVEL PERFORMING ARTS CENTER PLAN**  
 SCALE 1/32" = 1'-0"

PLOT DATE: 3/30/2026 3:37 PM SAVE DATE: 3/19/2026 1:50 PM

# PURCHASE COLLEGE

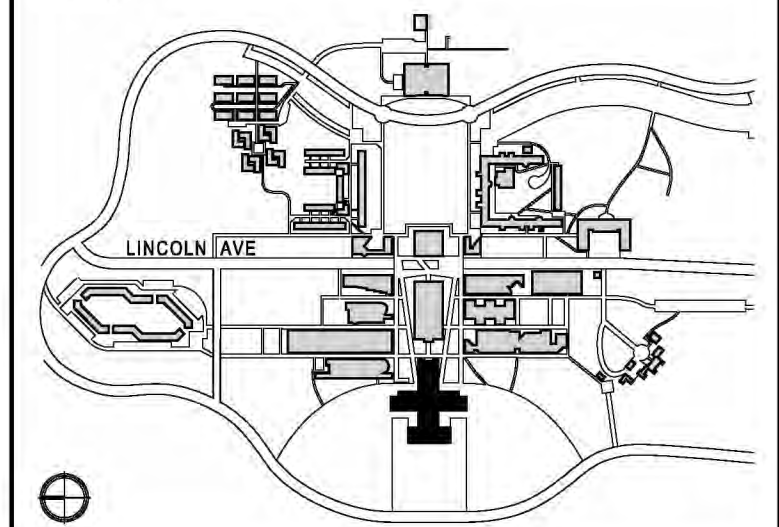
STATE UNIVERSITY OF NEW YORK  
PERFORMING ARTS CENTER  
ADMISSIONS CONFERENCE ROOM

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735 ANDERSON HILL RD. PURCHASE NY 10577-1400  
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KEY PLAN

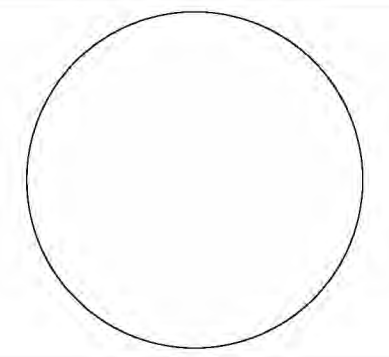


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## BID ISSUE

SEAL:



NO	DATE	DESCRIPTION	ISSUES
03	07.22.2025	ISSUED FOR BID	
02	09.28.2024	90% CD ISSUED FOR CLIENT APPROVAL	
01	07.20.2024	ISSUED FOR CLIENT REVIEW	

CONTRACT NUMBER SU 022626  
CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

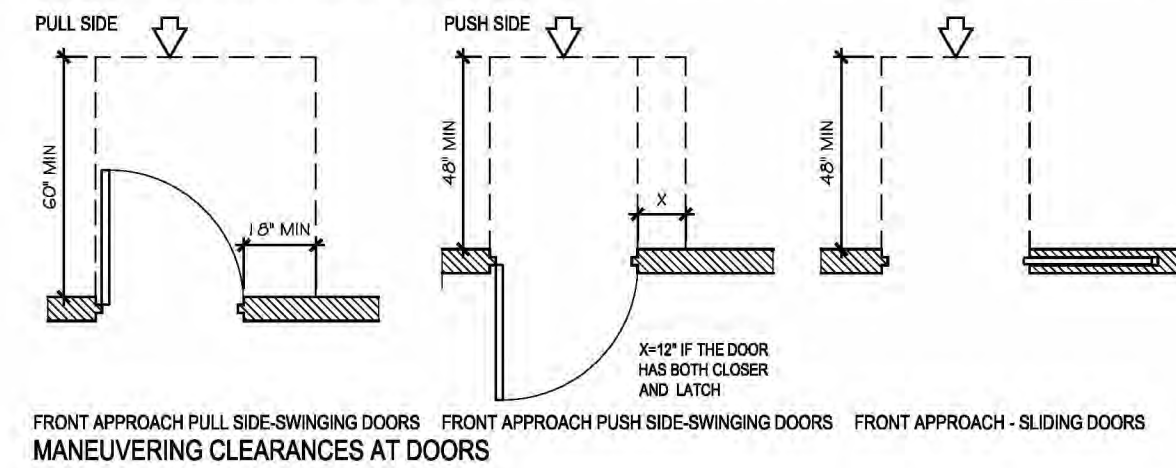
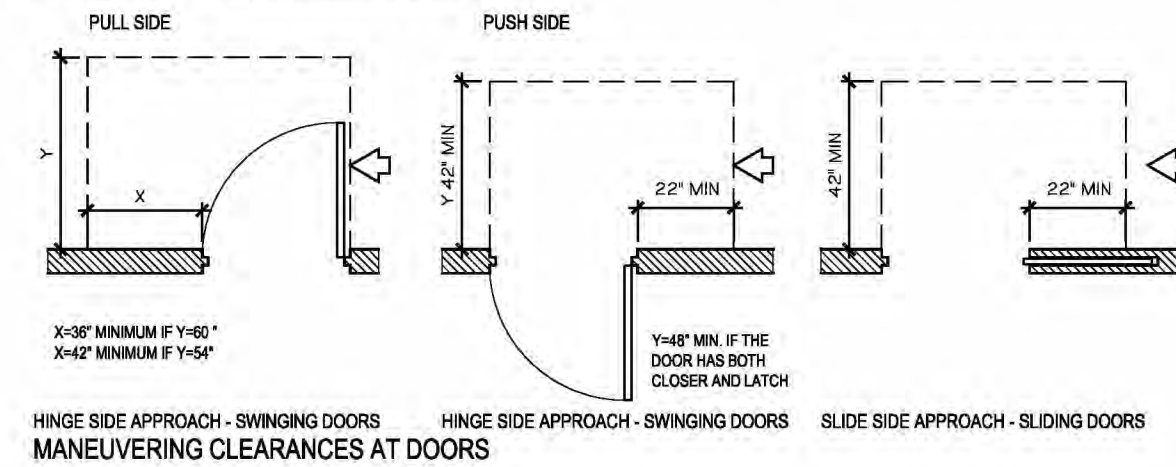
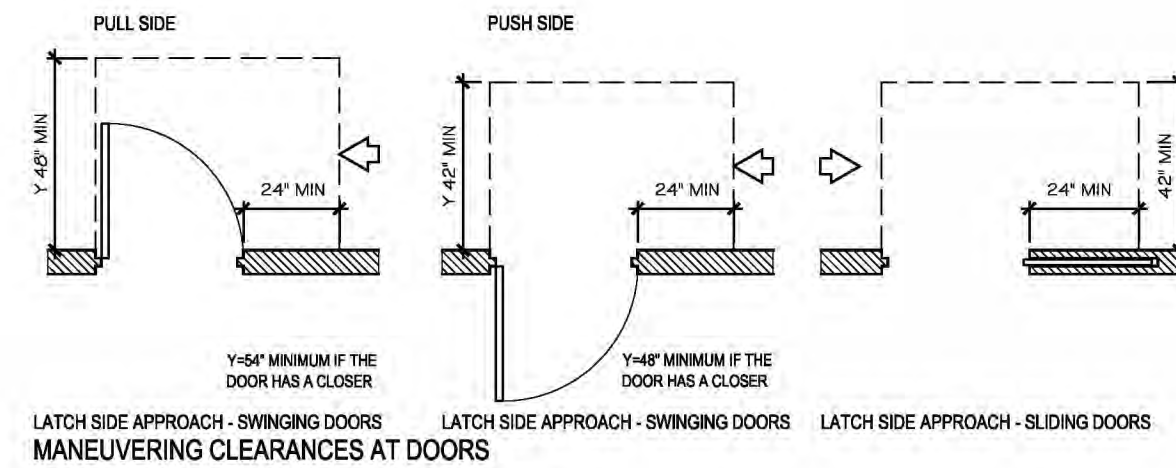
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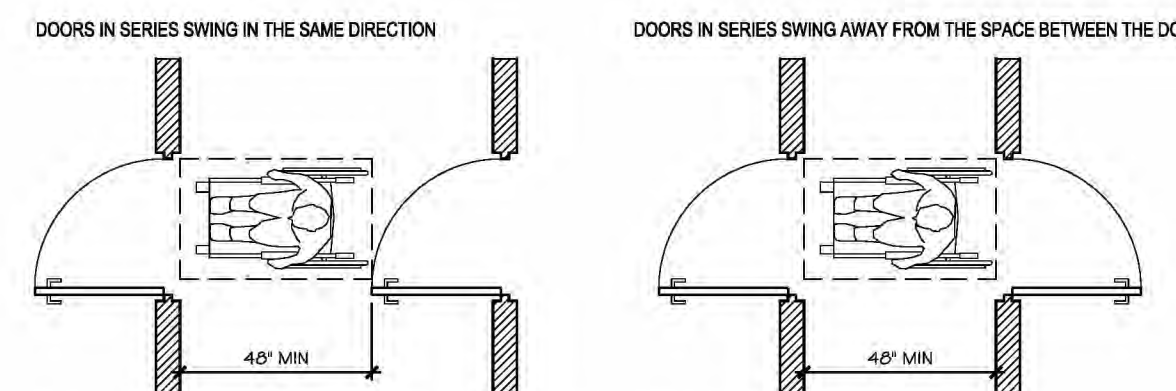
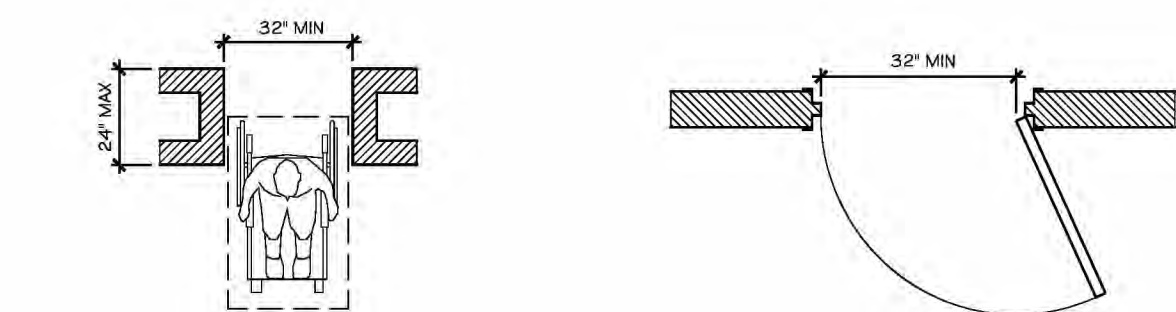
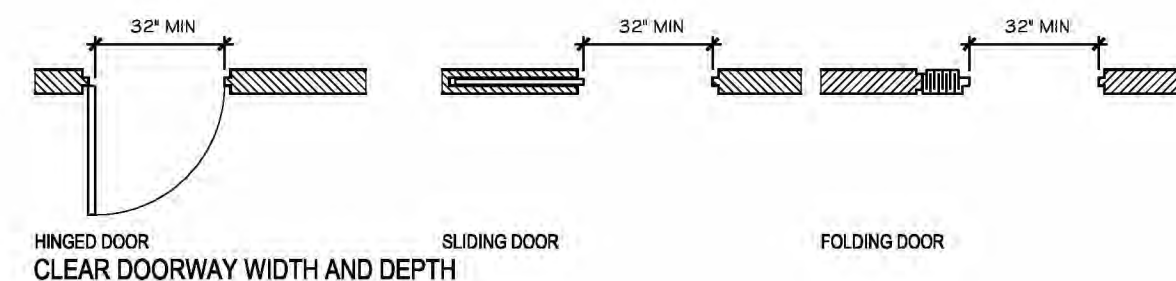
## ADA COMPLIANCE STANDARDS

DRAWING NUMBER DRAWING 04 OF 22

# G-004.00



NOTE:  
ALL DOORS IN ALCOVES SHALL COMPLY WITH THE CLEARANCES FOR FRONT APPROACHES.



THE MINIMUM SPACE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES

### 305 CLEAR FLOOR OR GROUND SPACE

305.2 FLOOR OR GROUND SURFACES OF A CLEAR FLOOR OR GROUND SPACE SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED. EXCEPTION: SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

305.3 SIZE: THE CLEAR FLOOR OR GROUND SPACE SHALL BE 30 INCHES (760 MM) MINIMUM BY 48 INCHES (1220 MM) MINIMUM.

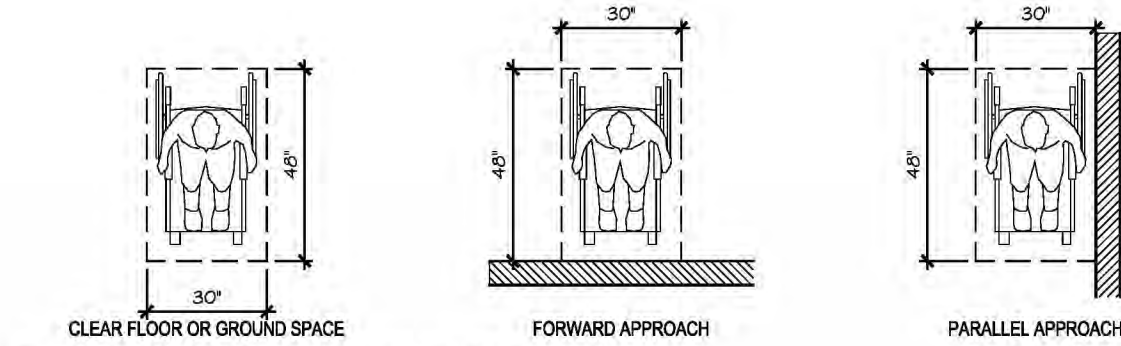
305.4 KNEE AND TOE CLEARANCE. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306.305.5 POSITION. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE POSITIONED FOR EITHER FORWARD OR PARALLEL APPROACH TO AN ELEMENT.

### 304 TURNING SPACE

304.2 FLOOR OR GROUND SURFACES. FLOOR OR GROUND SURFACES OF A TURNING SPACE SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED. EXCEPTION: SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

304.3 SIZE: TURNING SPACE SHALL COMPLY WITH 304.3.1 OR 304.3.2. 304.3.1 CIRCULAR SPACE: THE TURNING SPACE SHALL BE A SPACE OF 60 INCHES (1525 MM) DIAMETER MINIMUM. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306.304.3.2 T-SHAPED SPACE: THE TURNING SPACE SHALL BE A T-SHAPED SPACE WITHIN A 60 INCH (1525 MM) SQUARE MINIMUM WITH ARMS AND BASE 36 INCHES (915 MM) WIDE MINIMUM. EACH ARM OF THE T SHALL BE CLEAR OF OBSTRUCTIONS 12 INCHES (305 MM) MINIMUM IN EACH DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTIONS 24 INCHES (610 MM) MINIMUM. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306 ONLY AT THE END OF EITHER THE BASE OR ONE ARM.

304.4 DOOR SWING. DOORS SHALL BE PERMITTED TO SWING INTO TURNING SPACES. 305 CLEAR FLOOR OR GROUND SPACE SHALL COMPLY WITH 305.305.2 FLOOR OR GROUND SURFACES. FLOOR OR GROUND SURFACES OF A CLEAR FLOOR OR GROUND SPACE SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED. EXCEPTION: SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED. 305.3 SIZE: THE CLEAR FLOOR OR GROUND SPACE SHALL BE 30 INCHES (760 MM) MINIMUM BY 48 INCHES (1220 MM) MINIMUM.

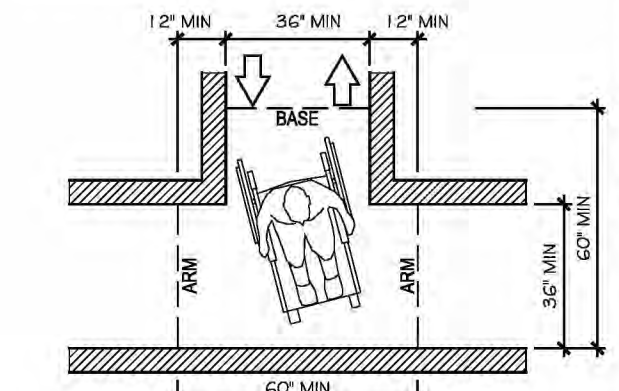
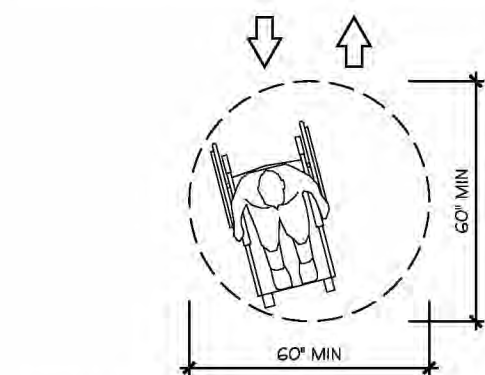


### MINIMUM CLEAR FLOOR SPACE FOR WHEELCHAIRS

60" DIAMETER MIN. TURNING SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE

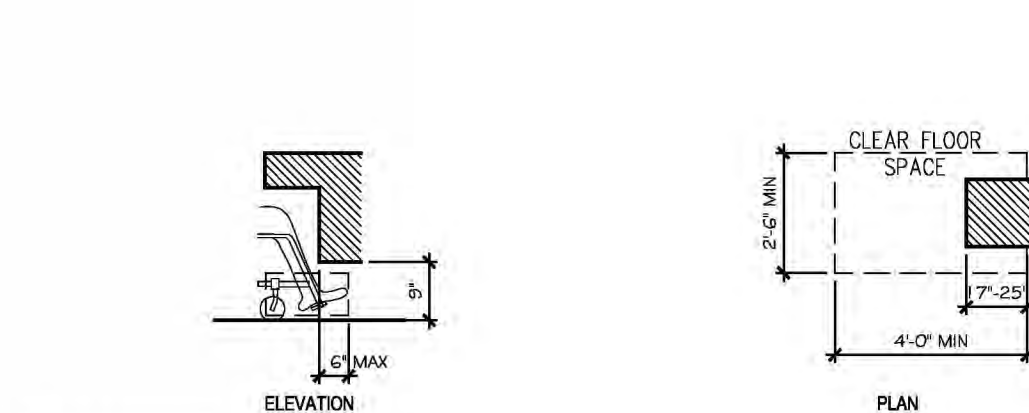
DOORS SHALL BE PERMITTED TO SWING INTO TURNING SPACES.

T-SHAPED SPACE WITHIN A 60 INCH SQUARE FOR 180 TURNS SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE ONLY AT THE END OF EITHER THE BASE OR ONE ARM.

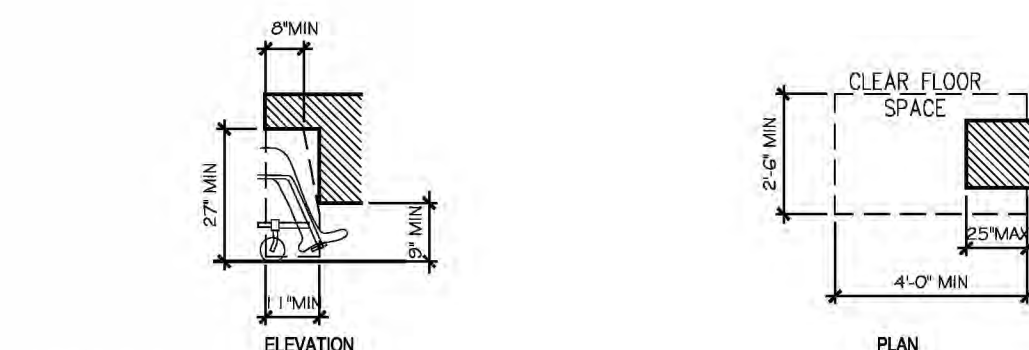


## 1 CLEAR FLOOR SPACE AND TURNING SPACE

NTS



### TOE CLEARANCE



### KNEE CLEARANCE

306.2.1 GENERAL. SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR OR GROUND AND 9 INCHES (230 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE AND SHALL COMPLY WITH 306.2.

306.2.2 MAXIMUM DEPTH. TOE CLEARANCE SHALL EXTEND 25 INCHES (635 MM) MAXIMUM UNDER AN ELEMENT.

306.2.3 MINIMUM REQUIRED DEPTH. WHERE TOE CLEARANCE IS REQUIRED AT AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE TOE CLEARANCE SHALL EXTEND 17 INCHES (430 MM) MINIMUM UNDER THE ELEMENT.

306.2.4 ADDITIONAL CLEARANCE. SPACE EXTENDING GREATER THAN 6 INCHES (150 MM) BEYOND THE AVAILABLE KNEE CLEARANCE AT 9 INCHES (230 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT BE CONSIDERED TOE CLEARANCE.

306.2.5 WIDTH. TOE CLEARANCE SHALL BE 30 INCHES (760 MM) WIDE MINIMUM.

306.3.1 GENERAL. SPACE UNDER AN ELEMENT BETWEEN 9 INCHES (230 MM) AND 27 INCHES (685 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE AND SHALL COMPLY WITH 306.3.

306.3.2 MAXIMUM DEPTH. KNEE CLEARANCE SHALL EXTEND 25 INCHES (635 MM) MAXIMUM UNDER AN ELEMENT AT 9 INCHES (230 MM) ABOVE THE FINISH FLOOR OR GROUND.

306.3.3 MINIMUM REQUIRED DEPTH. WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE 11 INCHES (280 MM) DEEP MINIMUM AT 9 INCHES (230 MM) ABOVE THE FINISH FLOOR OR GROUND, AND 8 INCHES (205 MM) DEEP MINIMUM AT 27 INCHES (685 MM) ABOVE THE FINISH FLOOR OR GROUND.

306.3.4 CLEARANCE REDUCTION. BETWEEN 9 INCHES (230 MM) AND 27 INCHES (685 MM) ABOVE THE FINISH FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF 1 INCH (25 MM) IN DEPTH FOR EACH 6 INCHES (150 MM) IN HEIGHT.

306.3.5 WIDTH. KNEE CLEARANCE SHALL BE 30 INCHES (760 MM) WIDE MINIMUM.

## 2 TOE CLEARANCE AND KNEE CLEARANCE

NTS

## 3 DOOR AND CORRIDOR CLEARANCES

NTS

# PURCHASE COLLEGE

## STATE UNIVERSITY OF NEW YORK PERFORMING ARTS CENTER

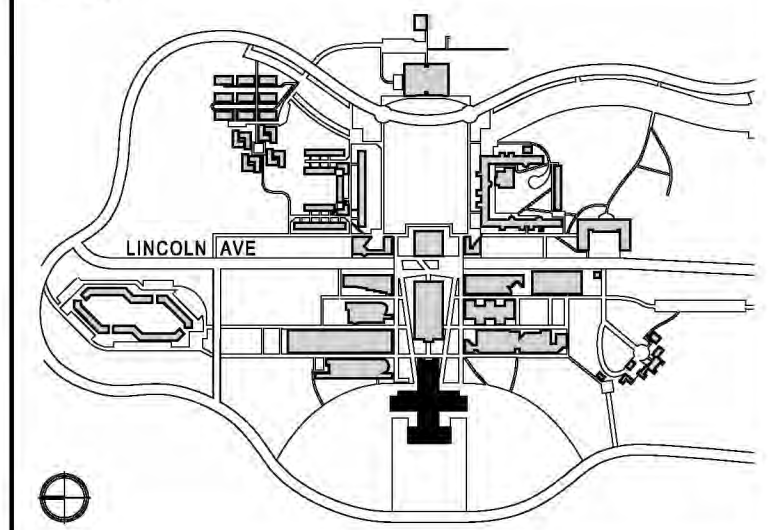
### ADMISSIONS CONFERENCE ROOM

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KEY PLAN

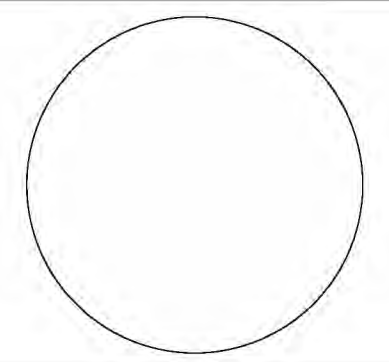


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### BID ISSUE

SEAL:



NO	DATE	DESCRIPTION	ISSUES
03	07.22.2025	ISSUED FOR BID	
02	09.28.2024	90% CD ISSUED FOR CLIENT APPROVAL	
01	07.20.2024	ISSUED FOR CLIENT REVIEW	

CONTRACT NUMBER SU 022626  
 CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

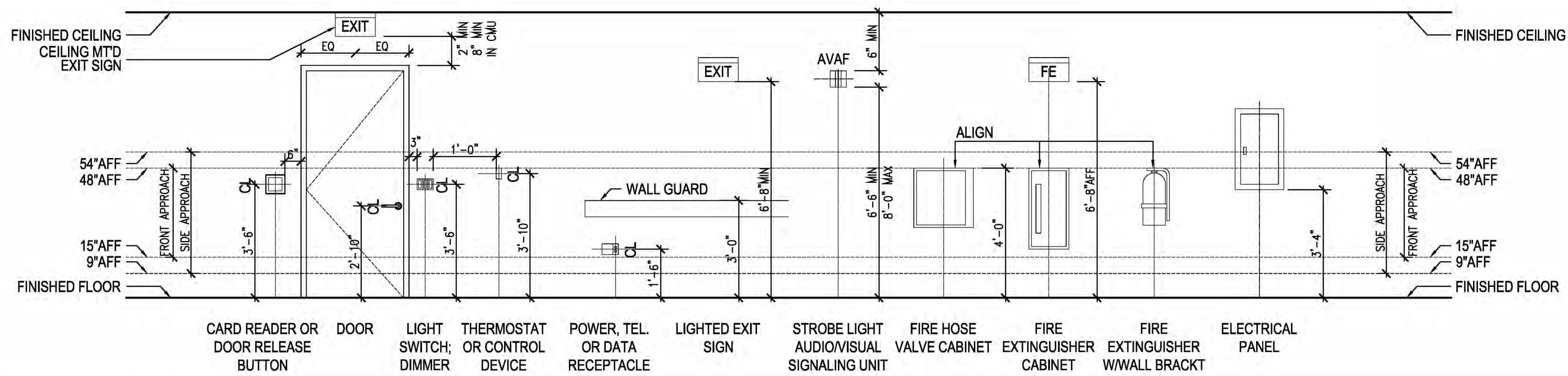
SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

### ADA COMPLIANCE STANDARDS

DRAWING NUMBER DRAWING 05 OF 22

# G-005.00



## 1 STANDARD MOUNTING HEIGHTS

NTS

### 302 FLOOR OR GROUND SURFACES

302.1 FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT AND SHALL COMPLY WITH 302.

302.2 CARPET, CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. PILE HEIGHT SHALL BE 1/4 INCH (13 MM) MAXIMUM. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH 303.

302.3 OPENINGS: OPENINGS IN FLOOR OR GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/4 INCH (13 MM) DIAMETER EXCEPT AS ALLOWED IN 407.4.3, 409.4.3, 410.4, 810.5.3 AND 810.10. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

303 CHANGES IN LEVEL: WHERE CHANGES IN LEVEL ARE PERMITTED IN FLOOR OR GROUND SURFACES, THEY SHALL COMPLY WITH 303.

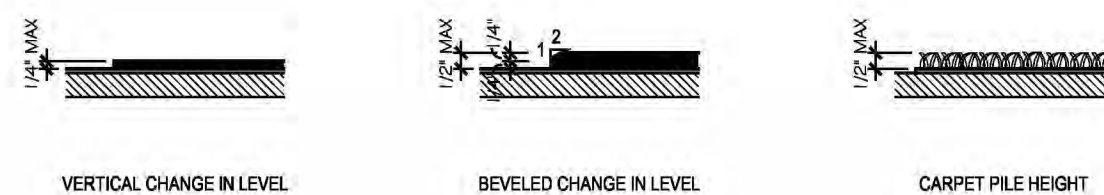
VERTICAL CHANGES IN LEVEL OF 1/4 INCH (6.4 MM) HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL.

BEVELED CHANGES IN LEVEL BETWEEN 1/4 INCH (6.4 MM) HIGH MINIMUM AND 1/2 INCH (13 MM) HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.

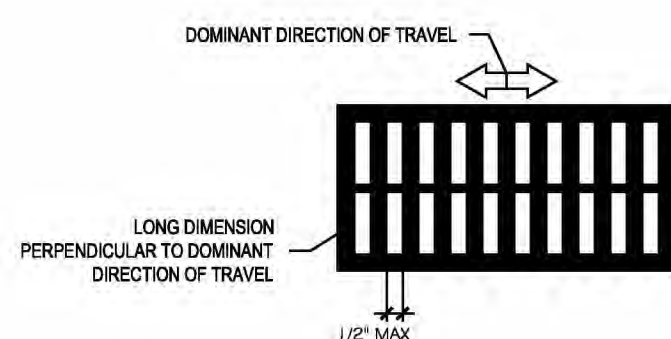
CHANGES IN LEVEL GREATER THAN 1/2 INCH (13 MM) HIGH SHALL BE RAMPED, AND SHALL COMPLY WITH 405 OR 406

305 CLEAR FLOOR OR GROUND SPACE

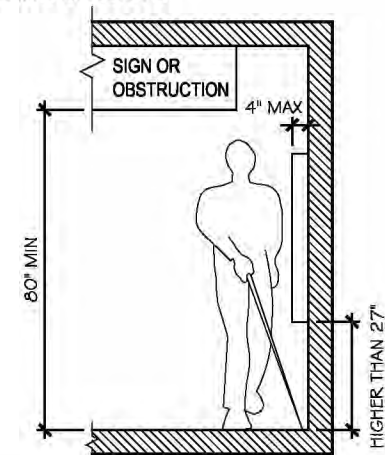
### OPENINGS IN GROUND OR FLOOR SURFACES



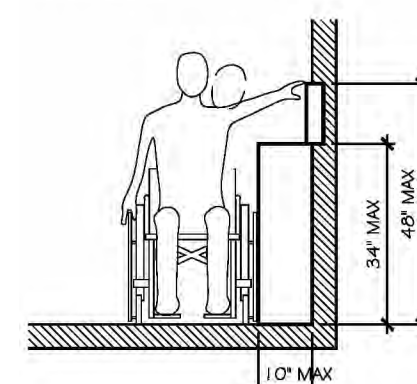
### GROUND OR FLOOR SURFACES



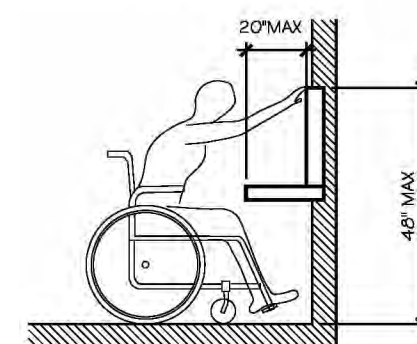
### PROTRUDING OBJECTS



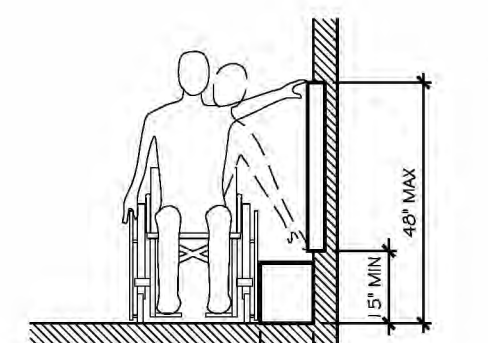
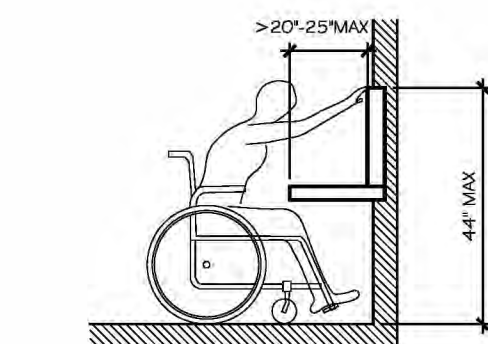
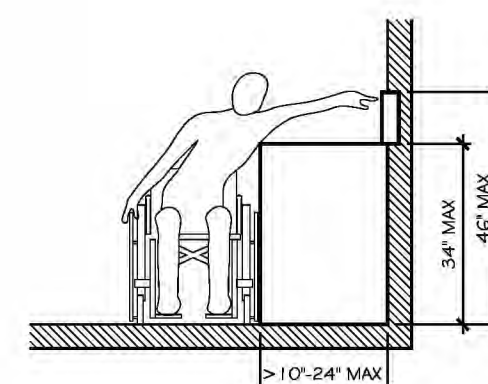
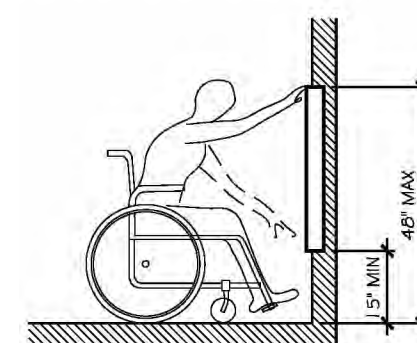
### PROTRUDING OBJECTS



### OBSTRUCTED HIGH SIDE REACH



### OBSTRUCTED HIGH FORWARD REACH



### 307 PROTRUDING OBJECTS

307.1 GENERAL: PROTRUDING OBJECTS SHALL COMPLY WITH 307.

307.2 PROTRUSION LIMITS: OBJECTS WITH LEADING EDGES MORE THAN 27 INCHES (685 MM) AND NOT MORE THAN 80 INCHES (2030 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL PROTRUDE 4 INCHES (100 MM) MAXIMUM HORIZONTALLY INTO THE CIRCULATION PATH.

EXCEPTION: HANDRAILS SHALL BE PERMITTED TO PROTRUDE 4 1/2 INCHES (115 MM) MAXIMUM.

### 308 REACH RANGES

308.1 GENERAL: REACH RANGES SHALL COMPLY WITH 308.

308.2 FORWARD REACH: 308.2.1 UNOBSTRUCTED. WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48 INCHES (1220 MM) MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES (380 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

308.2.2 OBSTRUCTED HIGH REACH. WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48 INCHES (1220 MM) MAXIMUM WHERE THE REACH DEPTH IS 20 INCHES (510 MM) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 20 INCHES (510 MM), THE HIGH FORWARD REACH SHALL BE 44 INCHES (1120 MM) MAXIMUM AND THE REACH DEPTH SHALL BE 25 INCHES (635 MM) MAXIMUM.

308.3 SIDE REACH: 308.3.1 UNOBSTRUCTED. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48 INCHES (1220 MM) MAXIMUM AND THE LOW SIDE REACH SHALL BE 15 INCHES (380 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

EXCEPTIONS:  
 1. AN OBSTRUCTION SHALL BE PERMITTED BETWEEN THE CLEAR FLOOR OR GROUND SPACE AND THE ELEMENT WHERE THE DEPTH OF THE OBSTRUCTION IS 10 INCHES (255 MM) MAXIMUM.  
 2. OPERABLE PARTS OF FUEL DISPENSERS SHALL BE PERMITTED TO BE 54 INCHES (1370 MM) MAXIMUM MEASURED FROM THE SURFACE OF THE VEHICULAR WAY WHERE FUEL DISPENSERS ARE INSTALLED ON EXISTING CURBS.

308.3.2 OBSTRUCTED HIGH REACH. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34 INCHES (865 MM) MAXIMUM AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24 INCHES (610 MM) MAXIMUM. THE HIGH SIDE REACH SHALL BE 48 INCHES (1220 MM) MAXIMUM FOR A REACH DEPTH OF 10 INCHES (255 MM) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 10 INCHES (255 MM), THE HIGH SIDE REACH SHALL BE 46 INCHES (1170 MM) MAXIMUM FOR A REACH DEPTH OF 24 INCHES (610 MM) MAXIMUM.

EXCEPTIONS:  
 1. THE TOP OF WASHING MACHINES AND CLOTHES DRYERS SHALL BE PERMITTED TO BE 36 INCHES (915 MM) MAXIMUM ABOVE THE FINISH FLOOR.  
 2. OPERABLE PARTS OF FUEL DISPENSERS SHALL BE PERMITTED TO BE 54 INCHES (1370 MM) MAXIMUM MEASURED FROM THE SURFACE OF THE VEHICULAR WAY WHERE FUEL DISPENSERS ARE INSTALLED ON EXISTING CURBS.

## 2 FLOOR OR GROUND SURFACES

NTS

## 3 TOE CLEARANCE AND KNEE CLEARANCE

NTS

**1 FIRE RESISTANT PENETRATION MATERIAL SPECIFICATIONS**

**DESCRIPTION OF WORK**

- A. PROVIDE FIRESTOPPING AT ALL PENETRATIONS AND JUNCTURE JOINTS OF FIRE-RATED WALLS, FLOORS AND CEILINGS IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEW YORK CITY BUILDING CODE BC 714.
- B. FIRESTOPPING AND SMOKE SEALS SHALL BE PROVIDED, BUT NOT LIMITED TO THE FOLLOWING SPECIFIC LOCATIONS:
  - 1. PENETRATIONS FOR THE PASSAGE OF DUCT, CABLE, CABLE TRAY, CONDUIT, PIPING AND ELECTRICAL BUSWAYS AND RACEWAYS THROUGH FIRE-RATED VERTICAL BARRIERS (WALLS AND PARTITIONS), HORIZONTAL BARRIERS (FLOOR SLABS AND FLOOR/CEILING ASSEMBLIES), AND VERTICAL SERVICE SHAFTS.
  - 2. OPENINGS BETWEEN FLOOR SLABS AND CURTAIN WALLS AND FIRE RATED WALLS AND CURTAIN WALLS.
  - 3. OPENINGS BETWEEN STRUCTURALLY SEPARATE SECTIONS OF WALLS OR FLOORS.
  - 4. CONSTRUCTION JOINTS BETWEEN THE TOP OF WALLS AND FLOOR OR ROOF SLAB AND STEEL DECK ASSEMBLIES, OR, CONCRETE FLOOR OR ROOF SLAB.
  - 5. VERTICAL SERVICE SHAFTS AT EACH FLOOR LEVEL.
  - 6. EXPANSION JOINTS IN WALLS AND FLOORS.
  - 7. OPENINGS AND PENETRATIONS IN FIRE-RATED PARTITIONS OR WALLS CONTAINING FIRE DOORS.
  - 8. LOCATIONS SHOWN SPECIFICALLY ON THE DRAWINGS.

**REFERENCES**

- 1. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) LOCATIONS SHOWN
- 2. UNDERWRITERS LABORATORIES, INC (UL)
- 3. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

**DEFINITIONS**

- A. PENETRATION: ANY OPENING OR FOREIGN MATERIAL PASSING THROUGH OR INTO A FIRE-RATED BARRIER.
- B. FIRE-RATED: HAVE THE ABILITY TO WITHSTAND THE EFFECTS OF A STANDARD FIRE EXPOSURE FOR A SPECIFIED TIME PERIOD, AS DETERMINED BY QUALIFIED TESTING.
- C. FIRE-RATED BARRIER: A FLOOR, WALL, PARTITION OR FLOOR-CEILING ASSEMBLY ABLE TO WITHSTAND A STANDARD FIRE AND HOSE STREAM TEST WITHOUT FAILURE.
- D. FIRE RESISTANCE RATING: THE ABILITY OF A STRUCTURE TO ACT AS A BARRIER TO THE SPREAD OF FIRE AND TO CONFINE IT TO THE AREA OF ORIGIN. RATINGS ARE EXPRESSED IN HOURS AND APPLY TO BEAMS, COLUMNS, FLOORS, CEILINGS, ROOFS, WALLS AND PARTITIONS.
- E. FIRESTOPPING: A MEANS OF SEALING OPENINGS IN FIRE-RATED BARRIERS TO PRESERVE OR RESTORE THE FIRE RESISTANCE RATING.
- F. FIRESTOP SYSTEM: A MATERIAL, OR COMBINATION OF MATERIALS, INSTALLED TO RETAIN THE INTEGRITY OF FIRE-RATED CONSTRUCTION BY MAINTAINING AN EFFECTIVE BARRIER AGAINST THE SPREAD OF FLAME, SMOKE OR GASES THROUGH PENETRATIONS IN FIRE-RATED BARRIERS.
- G. F RATING: THE TIME PERIOD THAT THE THROUGH-PENETRATION FIRESTOP SYSTEM LIMITS THE SPREAD OF FIRE THROUGH THE PENETRATION WHEN TESTED IN ACCORDANCE WITH ASTM E814.
- H. T RATING: THE TIME PERIOD THAT THE PENETRATION FIRESTOP SYSTEM, INCLUDING THE PENETRATING ITEM, LIMITS THE MAXIMUM TEMPERATURE RISE TO 325 ° F (163° C) ABOVE ITS INITIAL TEMPERATURE THROUGH THE PENETRATION ON THE NON-FIRE SIDE WHEN TESTED IN ACCORDANCE WITH ASTM E814.

**TECHNICAL REQUIREMENTS**

- 1. FIRESTOPPING MATERIALS SHALL BE UL CLASSIFIED AS "FILL, VOID OR CAVITY MATERIAL" FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS.
- 2. FIRESTOP SYSTEMS SHALL PROVIDE A RE RESISTANCE RATING AT LEAST EQUAL TO THE HOURLY RESISTANCE RATING OF THE FIRE RATED BARRIER AND RESIST PASSAGE OF SMOKE AND OTHER GASES.

**GENERAL CONSIDERATIONS**

- 1. FIRESTOP SYSTEMS DO NOT RE-ESTABLISH THE STRUCTURAL INTEGRITY OF LOAD-BEARING PARTITIONS. THE CONTRACTOR SHALL CONSULT THE PROJECT MANAGER PRIOR TO PENETRATING ANY LOAD BEARING ASSEMBLY.
- 2. FIRESTOP SYSTEMS ARE NOT INTENDED TO SUPPORT LIVE LOADS OR TRAFFIC. CONTRACTOR SHALL CONSULT THE PROJECT MANAGER IF THERE IS REASON TO BELIEVE THESE LIMITATIONS MAY BE VIOLATED.

**SUBMITTALS**

- A. PRODUCT DATA
  - SUBMIT MANUFACTURER'S PRODUCT INFORMATION FOR EACH TYPE OF FIRESTOPPING/SMOKE SEAL AND ASSEMBLY INSTALLED, INCLUDING APPLICATION INSTRUCTIONS AND SPECIFICATIONS.
- B. SHOP DRAWING
  - SUBMIT SHOP DRAWINGS OF EACH FIRESTOPPING OR SMOKE SEAL SYSTEM/ASSEMBLY TO BE INSTALLED IN THE PROJECT, SHOWING ALL PARTS OF THE SYSTEM, REQUIRED CLEARANCES.
- C. MOCK-UP
  - PROVIDE MOCK-UP IF REQUIRED BY THE PROJECT MANAGER.
- D. GUARANTEE
  - 1. CONTRACTOR AND INSTALLER'S INSTALLATION GUARANTEE.
- E. LOW EMITTING MATERIALS COMPLIANCE SUBMITTALS.
  - 1. PROVIDE DOCUMENTATION FOR EACH SEALER TO BE USED ON SITE, INDICATING THAT THE SEALERS COMPLY WITH LOW V.O.C. REQUIREMENTS AS STATED IN SPECIFICATION SECTION 078400.

**GUARANTEE**

- A. SUBMIT A GUARANTEE, EXECUTED BY THE CONTRACTOR AND COSIGNED BY THE INSTALLER, AGREEING TO REPAIR/REPLACE FIRESTOPPING WORK PERFORMED UNDER THIS CONTRACT WHICH HAS CRACKED, FLAKED, DUSTED EXCESSIVELY, PEELED, OR HAS SEPARATED OR FALLEN FROM THE SUBSTRATE DUE TO DEFECTIVE WORKMANSHIP FOR A PERIOD OF TWO (2) YEARS FROM THE DATE OF SUBSTANTIAL COMPLETION.

**APPROVED MANUFACTURERS**

- A. HILTI CONSTRUCTION CHEMICALS, INC., TULSA, OK.
- B. THE CARBORUNDUM COMPANY, NIAGARA FALLS, N.Y.
- C. 3M FIRE PROTECTION PRODUCTS, ST. PAUL, MN.
- D. TREMCO COMMERCIAL SEALANTS & WATERPROOFING, BEACHWOOD, OH.
- E. SPECIFIED TECHNOLOGIES, INC., SOMERVILLE, N.J.
- F. W.R. GRACE & CO., MACUNGIE, PA.
- G. RECTORSEAL CORP., HOUSTON, TX.

**MATERIALS**

- A. GROUT AND SEALANT SYSTEMS, AS WELL AS INTEEGRAL FIRESTOPPING SLEEVES AND MEMBRANES, SHALL MEET OR EXCEED REQUIREMENTS AS SPECIFIED IN PART 1 OF THIS SECTION AND SHALL BE ACCEPTABLE TO THE CLIENT.
- B. LISTING OF MANUFACTURER DOES NOT MEAN THAT MANUFACTURER HAS FIRESTOPPING ASSEMBLIES FOR ALL CONDITIONS TO BE ENCOUNTERED IN THE WORK. CONTRACTOR IS RESPONSIBLE FOR SELECTION OF MATERIAL AND SYSTEM APPROPRIATE TO THE CONDITION.
- C. THROUGH-PENETRATION FIRESTOP SYSTEMS SHALL MEET THE REQUIREMENTS OF ASTM E814 OR UL 1479, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
  - 1. PREVENT FLAME PASS-THROUGH.
  - 2. RESTRICT TEMPERATURE TO NOT EXCEED 325 ° F OVER AMBIENT ON SIDE OF ASSEMBLY OPPOSITE FLAMES.
  - 3. PROVIDE A POSITIVE SMOKE SEAL.
  - 4. WITHSTAND HOSE STREAM TEST WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 PA).
  - 5. PROVIDE AN F RATING OF NOT LESS THAN THE REQUIRED FIRE RATING OF THE WALL PENETRATED.
  - 6. PROVIDE AN F RATING AND A T RATING FOR FLOOR PENETRATIONS OF NOT LESS THAN 1 HOUR BUT NOT LESS THAN THE REQUIRED FIRE RATING OF THE FLOOR PENETRATED, EXCEPT AS FOLLOWS:
    - a. FLOOR PENETRATIONS CONTAINED AND LOCATED WITHIN THE CAVITY OF A WALL DO NOT REQUIRE A T-RATING.
    - b. METALLIC PIPING OR TUBING PENETRATING A SINGLE FIRE RATED FLOOR, HAVING A MAXIMUM 6" DIAMETER CAN BE FIRESTOPPED WITH CONCRETE, GROUT OR MORTAR OF THICKNESS TO MAINTAIN THE FIRE RATING OF THE FLOOR PENETRATED. NO LIMIT TO THE NUMBER OF FLOORS PENETRATED IF THE AREA OF THE AGGREGATE AREA OF PENETRATION DOES NOT EXCEED 144 SQUARE INCHES IN ANY 100 SQUARE FEET OF FLOOR AREA.
- D. FIRESTOPPING MATERIALS SHALL BE ASBESTOS-FREE, EMIT NO TOXIC OR COMBUSTIBLE FUMES AND BE CAPABLE OF MAINTAINING AN EFFECTIVE BARRIER AGAINST FLAME, SMOKE, GAS, AND WATER IN COMPLIANCE WITH REQUIREMENTS OF THIS SECTION.
- E. FIRESTOPPING MATERIALS/SYSTEMS SHALL BE FLEXIBLE TO ALLOW FOR NORMAL MOVEMENT OF BUILDING STRUCTURE AND PENETRATING ITEMS(S) WITHOUT AFFECTING THE ADHESION OR INTEGRITY OF THE SYSTEM.

- F. FIRESTOPPING MATERIALS SHALL NOT REQUIRE HAZARDOUS WASTE DISPOSAL OF USED CONTAINERS/PACKAGES.
- G. ON INSULATED PIPE, THE FIRE-RATING CLASSIFICATION MUST NOT REQUIRE THE REMOVAL OF THE INSULATION.
- H. FIRESTOPPING MATERIALS SHALL BE FREE OF SOLVENTS. SHRINKAGE WHILE CURING SHALL NOT EXCEED SHRINKAGE EXPERIENCED DURING SPECIFIED TESTING. FIRESTOPPING SHALL REMAIN IN COMPLETE CONTACT WITH ADJACENT CONSTRUCTION WHEN FULLY CURED.

**SITE EXAMINATION**

- A. EXAMINE AND CONFIRM THE COMPATIBILITY OF SURFACES TO RECEIVE FIRESTOPPING MATERIALS. VERIFY THAT SURFACES ARE SOUND, CLEAN AND DRY AND ARE READY TO RECEIVE THE FIRESTOPPING.
- B. VERIFY THAT PENETRATION ELEMENTS ARE PROPERLY LOCATED AND SECURELY FIXED, WITH THE PROPER SPACE BETWEEN THE PENETRATION ELEMENT AND SURFACES OF THE OPENING.

**SITE PREPARATION**

- A. PROTECT ADJACENT SURFACES AND EQUIPMENT FROM DAMAGE.
- B. CLEAN SURFACES OF OPENING.

**INSTALLATION**

- A. INSTALL FIRESTOPPING SYSTEM IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS TO OBTAIN/MAINTAIN THE FIRE-RATING REQUIRED AT THE SPECIFIC LOCATION. THE CONTRACTOR AND THE AUTHORITY SHALL BE IMMEDIATELY NOTIFIED OF CONDITIONS THAT WILL NOT ALLOW THE PROPER INSTALLATION OF THE MATERIAL TO ACHIEVE THE REQUIRED RATING, SUCH AS THE ANNUAL SPACE BETWEEN THE PENETRATION AND SLEEVE NOT BEING WIDE ENOUGH TO MEET THE REQUIREMENTS OF THE ASSEMBLY.
- B. PROVIDE ESCUTCHEONS FOR PIPING AT EACH SIDE OF PENETRATION WHEN SUBJECT TO VIEW AND/OR IF REQUIRED BY THE UL ASSEMBLY.

**SPECIAL INSPECTION**

- A. SPECIAL INSPECTION
  - 1. THE PROJECT MANAGER WILL ASSIGN AN INDEPENDENT INSPECTOR WHO WILL INSPECT THE FIRESTOPPING/ SMOKE SEAL INSTALLATION TO MEET THE REQUIREMENTS OF THE 2022 NYC CONSTRUCTION CODES.
  - 2. THE DESIGNATED INSPECTOR WILL MAKE INSPECTIONS AND ANY TESTING DEEMED NECESSARY.
  - 3. SPECIAL INSPECTIONS WILL BE PERFORMED IN ACCORDANCE WITH BOTH PARAGRAPHS 10.12.1 (WITNESSING) AND 10.12.2 (DESTRUCTIVE VERIFICATION) OF ASTM E2174-19. THE INSTALLATION OF A MINIMUM OF 10% OF ALL FIRESTOPPING/SMOKE SEALS SHALL BE WITNESSED AND 2% OF ALL FIRESTOPPING/SMOKE SEAL INSTALLATIONS WILL BE VERIFIED UTILIZING DESTRUCTIVE MEANS.
- B. NONCONFORMING FIRESTOPPING/SMOKE SEAL INSTALLATION
  - 1. ANY TYPE OF FIRESTOP NOTED IN 10.12.2 THAT DOES NOT COMPLY WITH THE INSPECTION DOCUMENTS WILL REQUIRE REPAIR OR REPLACEMENT AND RE-INSPECTION OF THAT FIRESTOP SYSTEM PLUS ONE FULL ADDITIONAL INSPECTION, OF THE NUMBER SPECIFIED IN 10.12.2.
  - 2. IF NON-COMPLIANCE OCCURS ON 10% OR MORE OF THE QUANTITY OF FIRESTOP PRODUCTS OR FIRESTOP SYSTEMS WITHIN 10.12.1 OR 10.12.2, THEN INSPECTION OF THOSE PARTICULAR TYPE FIRESTOP SYSTEMS SHALL CEASE.
  - 3. THE COSTS FOR ADDITIONAL INSPECTIONS AND TESTING AS REQUIRED BY THE INSPECTOR SHALL BE BORNE BY THE CONTRACTOR. MATERIAL REPLACEMENT SHALL BE AT NO COST TO THE CLIENT.
- C. CONTRACTORS RESPONSIBILITY FOR QUALITY CONTROL
  - 1. INSPECT ALL INSTALLATIONS TO ENSURE THAT ALL WORK MEETS THE REQUIREMENTS SPECIFIED AS THE WORK PROGRESSES.
  - 2. COOPERATE WITH THE SPECIAL INSPECTOR PERFORMING SPECIAL AND PROGRESS INSPECTIONS. PROVIDE ALL ACCESS, INCLUDING SCAFFOLDING AND LADDERS. PROVIDE A MINIMUM OF 72 HOURS NOTICE PRIOR TO EACH DAY OF FIRESTOPPING INSTALLATION TO ENSURE INSPECTOR IS AVAILABLE TO WITNESS OR VERIFY THE REQUISITE NUMBER OF INSTALLATIONS.
  - 3. THE CONTRACTOR SHALL INCLUDE ALL COST OF COMPLYING WITH INSPECTIONS PERFORMED IN ACCORDANCE WITH ASTM E2174. DO NOT COVER FIRESTOPPING WORK UNTIL IT IS ACCEPTED AND APPROVED BY THE SPECIAL INSPECTOR.
  - 5. THE CONTRACTOR SHALL INCLUDE REPAIR OF ALL FIRESTOPPING AND SMOKE SEALING DAMAGED AS A RESULT OF THE ASTM E2174 DESTRUCTIVE VERIFICATION REQUIREMENTS.

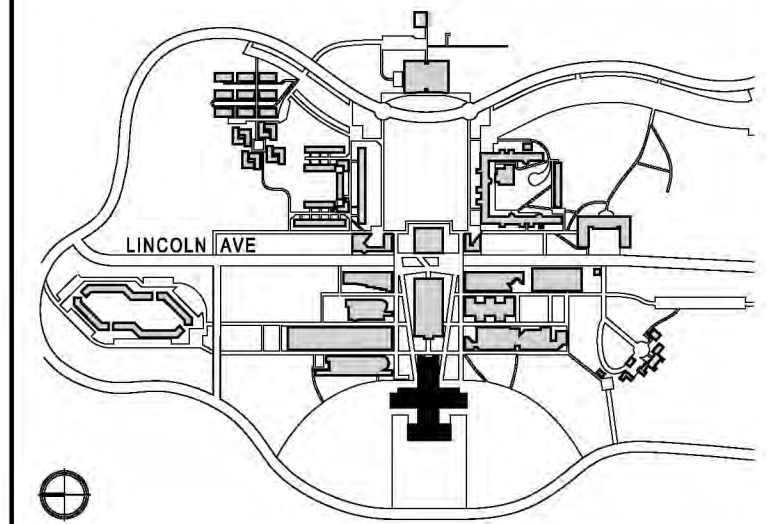
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**KEY PLAN**

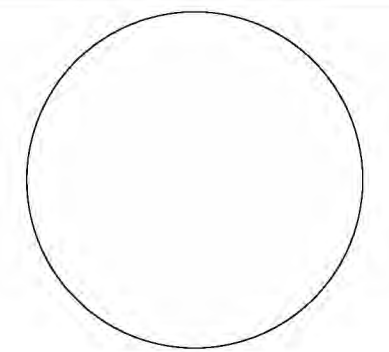


CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS & DIMENSIONS AND BE RESPONSIBLE FOR FIELD FIT AND QUANTITY OF WORK. NO ALLOWANCES SHALL BE MADE ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.

BUILDING DEPARTMENT NOTE:  
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**BID ISSUE**

**SEAL:**



NO	DATE	DESCRIPTION	ISSUES
03	07.22.2025	ISSUED FOR BID	
02	09.28.2024	90% CD ISSUED FOR CLIENT APPROVAL	
01	07.20.2024	ISSUED FOR CLIENT REVIEW	

CONTRACT NUMBER SU 022626  
CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

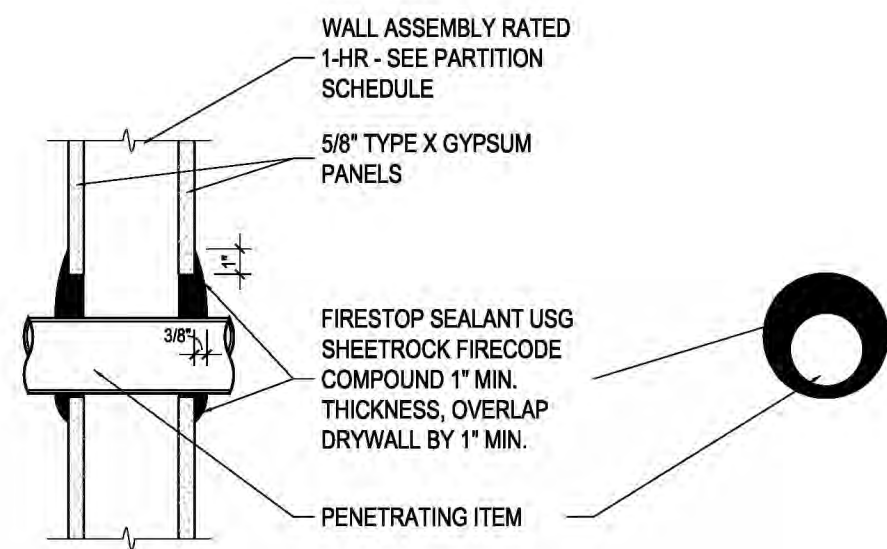
**DRAWING TITLE:**

**FIRE RESISTANT PENETRATIONS**  
**MATERIAL SPECIFICATIONS**

DRAWING NUMBER DRAWING 06 OF 22

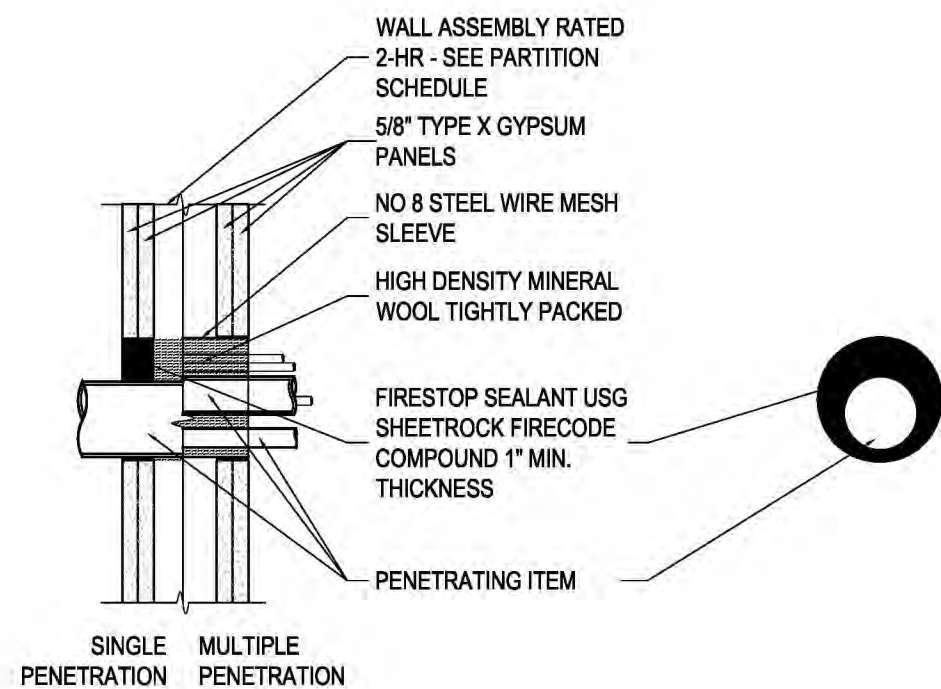
**G-006.00**

**1 FIRE RESISTANT PENETRATION MATERIAL DETAILS AT WALLS**



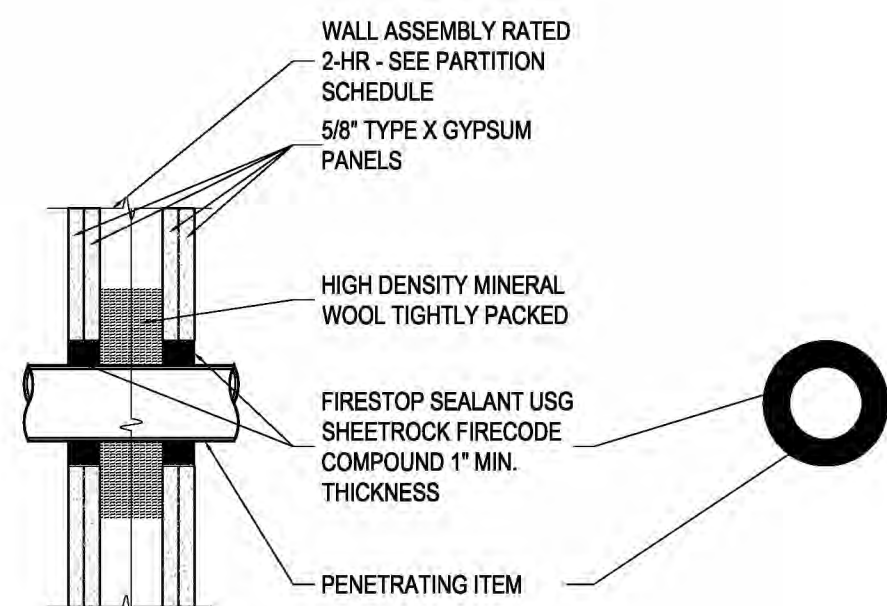
SECTION PLAN

**SYSTEM NO. W-L-1087 F-RATING 1-HR/T-RATING 0- AND 1-HR**



SECTION PLAN

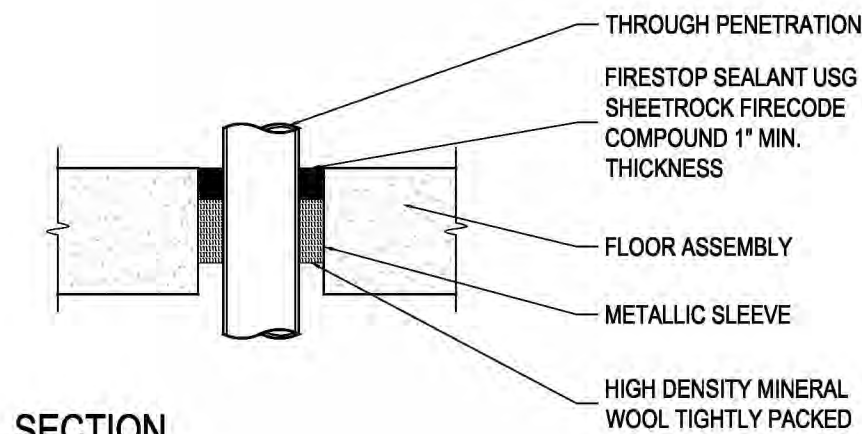
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SECTION PLAN

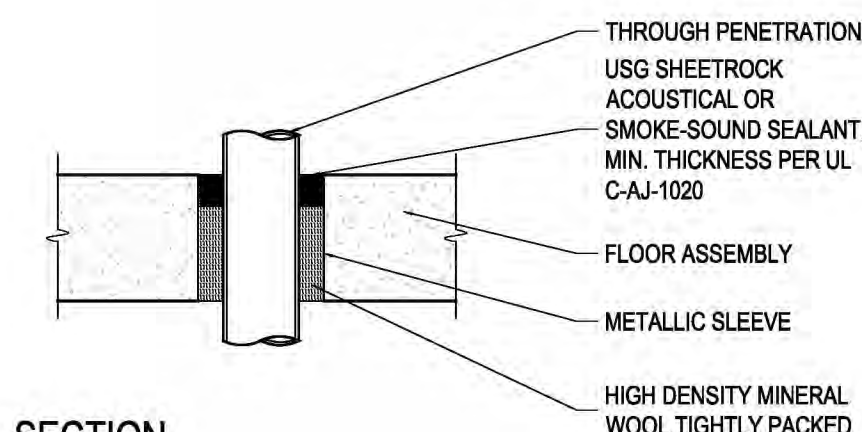
**SYSTEM NO. W-L-1064 F-RATING 2-HR/T-RATING 0-HR**

**2 FIRE RESISTANT PENETRATION MATERIAL DETAILS AT FLOORS**



SECTION PLAN

**SYSTEM NO. C-AJ-1081 F-RATING 2- AND 3-HR/T-RATING 0-HR**



SECTION PLAN

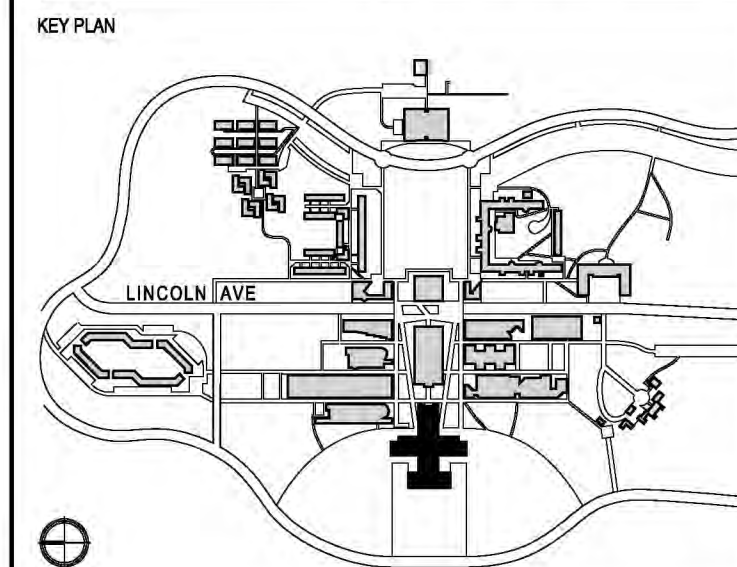
**SYSTEM NO. C-AJ-1020 F-RATING 3-HR/T-RATING 1-HR**

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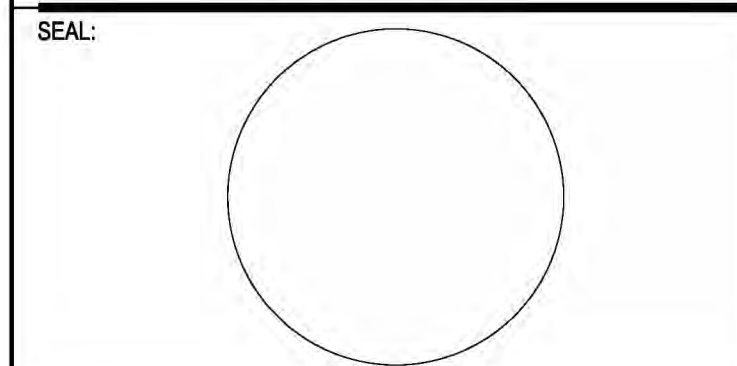
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**BID ISSUE**



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CONTRACT NUMBER SU 022626  
CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:  
**FIRE RESISTANT PENETRATIONS MATERIAL DETAILS**

DRAWING NUMBER DRAWING 07 OF 22

**G-007.00**

**GENERAL NOTES**

1. ALL REFERENCES TO CODES, SPECIFICATIONS AND STANDARDS REFERRED TO IN THE CONTRACT DOCUMENTS SHALL MEAN, AND ARE INTENDED TO BE, THE LATEST EDITION, AMENDMENT OR REVISION OF SUCH REFERENCE STANDARD IN EFFECT AS OF THE CONTRACT DOCUMENTS.

2. APPLICABILITY OF STANDARDS: EXCEPT WHERE THE CONTRACT DOCUMENTS INCLUDE MORE STRINGENT REQUIREMENTS, APPLICABLE CONSTRUCTION INDUSTRY STANDARDS HAVE THE SAME FORCE AND EFFECT AS IF BOUND OR COPIED DIRECTLY INTO THE CONTRACT DOCUMENTS TO THE EXTENT REFERENCED. SUCH STANDARDS ARE MADE A PART OF THE CONTRACT DOCUMENTS BY REFERENCE.

3. CONFLICTING REQUIREMENTS: WHERE COMPLIANCE WITH TWO OR MORE STANDARDS IS SPECIFIED, AND THE STANDARDS MAY ESTABLISH DIFFERENT OR CONFLICTING REQUIREMENTS FOR MINIMUM QUANTITIES OR QUANTITY LEVELS, REFER REQUIREMENTS THAT ARE DIFFERENT, BUT APPARENTLY EQUAL, AND UNCERTAINTIES TO THE DESIGN TEAM FOR A DECISION BEFORE PROCEEDING.

4. COPIES OF STANDARDS: EACH ENTITY ENGAGED IN CONSTRUCTION ON THE PROJECT IS REQUIRED TO BE FAMILIAR WITH INDUSTRY STANDARDS APPLICABLE TO THAT ENTITY'S CONSTRUCTION ACTIVITY. COPIES OF APPLICABLE STANDARDS ARE NOT BOUND WITH THE CONTRACT DOCUMENTS. WHERE COPIES OF STANDARDS ARE NEEDED FOR PERFORMANCE OF A REQUIRED CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL OBTAIN COPIES DIRECTLY FROM THE PUBLICATION SOURCE.

5. WHERE "AS SHOWN", "AS INDICATED", "AS DETAILED" OR WORDS OF SIMILAR IMPORT ARE USED, IT SHALL BE UNDERSTOOD THAT REFERENCE TO THE DRAWINGS ACCOMPANYING THE SPECIFICATIONS IS MADE UNLESS OTHERWISE STATED. WHERE "AS DIRECTED", "AS REQUIRED", "AS AUTHORIZED", "AS REVIEWED", "AS ACCEPTED" OR WORDS OF SIMILAR IMPORT ARE USED, IT SHALL BE UNDERSTOOD THAT THE DIRECTION, REQUIREMENT, PERMISSION, AUTHORIZATION, REVIEW, OR ACCEPTANCE OF THE DESIGN TEAM IS INTENDED, UNLESS OTHERWISE STATED.

6. AS USED IN THE CONTRACT DOCUMENTS, "PROVIDE" SHALL BE UNDERSTOOD TO MEAN "PROVIDE COMPLETE IN PLACE", THAT IS, "FURNISH AND INSTALL".

7. THE TERM "FURNISH" IS USED TO MEAN "SUPPLY & DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS.

8. THE TERM "INSTALL" IS TO BE USED TO DESCRIBE OPERATIONS AT THE PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, & SIMILAR OPERATIONS."

9. THE TERM "REGULATIONS" INCLUDES LAWS, ORDINANCES, STATUTES, AND LAWFUL ORDERS ISSUED BY AUTHORITIES HAVING JURISDICTION, AS WELL AS RULES, CONVENTIONS, AND AGREEMENTS WITHIN THE CONSTRUCTION INDUSTRY THAT CONTROL PERFORMANCE OF THE WORK.

10. ALL SURFACES VISIBLE THROUGH MECHANICAL OR ARCHITECTURAL SLOTS, LOUVERS, GRILLES, DIFFUSERS, ETC. SHALL BE PAINTED MATTE BLACK.

11. ALL PIECES OF ARCHITECTURAL WOODWORK THAT HAVE INTEGRATED ELECTRICAL SUPPLY SHALL BE SECURED TO SLAB.

12. PROVIDE ARCHITECTURAL SHEET METAL, ACOUSTICALLY TREATED CLOSURES FROM SLAB TO UNDERSIDE OF STRUCTURE WHEREVER PARTITIONS MEET EXTERIOR CURTAIN WALL OR WINDOW MULLIONS. PROVIDE ACOUSTICAL PILLOWS AROUND ANY STRUCTURAL OR MECHANICAL PENETRATIONS.

13. PROVIDE 16 GAUGE (6" HIGH) WALL REINFORCEMENT BACKER PLATES (FASTENED TO STUDS) AT ALL WALL MOUNTED HANDRAILS, AND DOOR STOPS ON GYPSUM WALLBOARD PARTITIONS.

**CLARIFICARION OF WORK NOTES**

14. INSTALL ADEQUATE SOLID BLOCKING AND PARTITION REINFORCING FOR ALL WALL MOUNTED CABINETRY, ACCESSORIES AND EQUIPMENT. ALL BLOCKING AND WOOD SHALL BE FIRE RETARDANT TREATED.

15. ALL FIRESTOPPING UTILIZED AT PENETRATIONS THROUGH FLOOR ASSEMBLIES SHALL PROVIDE A FIRE RESISTANCE RATING EQUIVALENT TO THE FIRE RESISTANCE RATING OF THE FLOOR ASSEMBLY. FIRESAFING AT PENETRATIONS THROUGH PARTITION ASSEMBLIES SHALL PROVIDE A FIRE RESISTANCE RATING THAT OF THE PARTITION.

16. THE LOCATIONS OF ALL ELECTRICAL, FIRE PROTECTION, PLUMBING AND MECHANICAL WALL MOUNTED DEVICES, ACCESS DOORS AND PANELS ARE TO BE COORDINATED WITH THE ARCHITECT. REFER TO MEP DRAWINGS AS WELL AS THE ARCHITECTURAL DRAWINGS FOR ALL REQUIRED WALL AND FLOOR PENETRATIONS.

17. USE DIELECTRIC SEPARATOR ON ALL DISSIMILAR METALS.

18. COORDINATE LOCATION OF OUTLET BOX FACES WITH SCHEDULED APPLIED FINISH THICKNESS.

**OCCUPANT SAFETY NOTES**

IN THE COURSE AND DURATION OF ALL WORKS UNDER THIS APPLICATION IT SHALL BE THE RESPONSIBILITY OF THE OWNER, THE CONTRACTOR AND THEIR REPRESENTATIVE TO ASSURE EACH OF THE FOLLOWING :

1. ALL MEANS OF EGRESS SHALL NOT BE OBSTRUCTED AT ANY TIME.

2. ALL ESSENTIAL SERVICES SHALL BE MAINTAINED.

3. THE WORK SHALL HAVE NO EFFECT ON THE FIRE SAFETY OF THE BUILDING, NOR WILL ANY ADDITIONAL FIRE HAZARDS BE INTRODUCED.

4. WORK SHALL BE PERFORMED DURING REGULAR WORKING HOURS, 7AM TO 5PM MONDAY THROUGH FRIDAY EXCEPT LEGAL HOLIDAY OR EMERGENCY REPAIR.

5. LEVELS OF DUST, DEBRIS AND NOISE SHALL BE KEPT TO A MINIMUM.

6. NO WORK TO BE DONE WHERE THERE MIGHT BE DANGER TO WORKERS DUE TO STRUCTURAL DEFICIENCY.

7. IT IS UNDERSTOOD AND AGREED THAT THE EXISTING OCCUPANTS IN THE BUILDING MAY REMAIN IN OCCUPANCY DURING THE WORK. THE CONTRACTOR SHALL, AT ALL TIMES, BE RESPONSIBLE FOR MINIMIZING INCONVENIENCE TO THE OCCUPANTS, PROTECTING LIFE AND PROPERTY OF OCCUPANTS, AND MAINTAINING THE WORK AREA IN A CLEAN AND HABITABLE CONDITION.

8. IF THE WORK REQUIRES SUBSTANTIAL DISRUPTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMING ARCHITECT OF THE TIME AND EXTENT OF THE DISRUPTION AT LEAST 72 HOURS IN ADVANCE AND SHALL OBTAIN APPROVAL FROM ARCHITECT TO PROCEED WITH THE WORK.

9. TEMPORARY HEAT, HOT WATER AND ELECTRICAL SERVICES SHOULD BE PROVIDED DURING CONSTRUCTION ESPECIALLY DURING THE HEATING SEASON AND HOT WATER SHOULD BE AVAILABLE YEAR ROUND. THERE WILL BE NO SHUT OFF OF HEAT AND/OR HOT WATER LONGER THAN 48 HOURS WITHOUT NOTIFICATION AND SCHEDULING WITH OCCUPANTS.

10. NOISE REQUIREMENTS: CONSTRUCTION OPERATION WILL BE CONFINED TO NORMAL WORKING HOURS: 7:00 AM TO 5:00 PM, MONDAYS THROUGH FRIDAYS, EXCEPT LEGAL HOLIDAYS EXCEPT AS DIRECTED BY THE BUILDING OWNER.

11. REMOVAL AND CONSTRUCTION OPERATIONS SHALL NOT CREATE DUST, DIRT OR OTHER SUCH INCONVENIENCES TO THE OCCUPANTS OF THE BUILDING.

12. REMOVAL AND CONSTRUCTION OPERATIONS SHALL NOT BLOCK PUBLIC STAIR/HALLS OR OTHER MEANS OF EGRESS FOR THE OCCUPANTS OF THE BUILDING.

13. EXISTING, REMOVED, OR NEW MATERIALS OR EQUIPMENT SHALL NOT BE STORED IN PUBLIC STAIR/HALLS OR OBSTRUCT ANY OTHER REQUIRED MEANS OF EGRESS.

14. VENTILATION FOR WELDING WORK SHALL BE PROVIDED SUCH THAT ALL EXHAUST AIR SHALL BE DIRECTED FROM WORK AREAS AND AWAY FROM ANY OPERABLE WINDOW OR AIR INTAKE LOCATION. HOT WORK PERMITS WILL BE ISSUED BY CAMPUS.

**CLARIFICATION OF WORK NOTES**

**A. GENERAL**

1. THE LOCATION OF ALL ELECTRICAL, FIRE PROTECTION, PLUMBING, VERTICAL TRANSPORTATION AND MECHANICAL WALL MOUNTED DEVICES INCLUDING ACCESS DOORS AND PANELS ARE TO BE AS INDICATED ON ARCHITECTURAL INTERIOR OR ELEVATIONS OR ON DIAGRAM OF TYPICAL MOUNTING HEIGHTS COORDINATED ELEVATIONS SIGNED OFF BY ALL TRADES, TO BE SUBMITTED TO THE ARCHITECT AND ENGINEER FOR REVIEW AS A STANDARD SHOP DRAWING SUBMITTAL FOR ANY SPACE WHERE WOOD PANELING OR INTERIOR WALL STONEMWORK IS REQUIRED.

2. NOT ALL REQUIRED CONCRETE CURBS ARE INDICATED ON THE STRUCTURAL DRAWINGS. DRAWINGS OF ALL TRADES (ARCHITECTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL) MUST BE EXAMINED FOR THE SIZE AND LOCATION OF CONCRETE CURBS. IN MECHANICAL SPACES PROVIDE ALL CONCRETE PADS AND CURBS AS REQUIRED BY FINAL COORDINATION WITHIN THE SCOPE OF THE BID. PADS AND CURBS INDICATED ON ARCHITECTURAL DRAWINGS ARE FOR GENERAL REFERENCE ONLY.

3. IN MECHANICAL SPACES PROVIDE 6 IN. HIGH X 6 IN. WIDE REINFORCED CONCRETE CURBS AROUND ALL SHAFT OPENINGS INCLUDING STAIRS AND ELEVATORS.

4. COORDINATE THE SIZE, SHAPE AND LOCATION OF ALL HOUSEKEEPING PADS AND INERTIA BLOCKS WITH THE EQUIPMENT SUPPLIERS. WHERE THE FLOORS OF ROOMS OR SPACES CONTAINING HOUSEKEEPING PADS ARE WATERPROOFED, APPLY RESIN MATRIX TYPE WATERPROOFING TO THE TOP AND SIDE SURFACES OF ALL PADS PRIOR TO INSTALLATION OF EQUIPMENT.

5. PROVIDE CATWALKS, GRATINGS AND LADDERS, AS REQUIRED BY FINAL COORDINATION IN COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

6. CURTAIN/BLIND POCKETS TO BE COORDINATED WITH WINDOW TREATMENT FOR DETAIL AND HANGING LOADS.

7. ALL SURFACES VISIBLE THROUGH MECHANICAL OR ARCHITECTURAL SLOTS, LOUVERS, GRILLES, ETC. TO BE PAINTED MATTE BLACK.

8. FINISH SCHEDULE INDICATES GENERAL TYPES OF FINISHES ONLY. FINAL SELECTION OF COLORS TO BE APPROVED BY THE ARCHITECT BASED ON COLOR SAMPLES.

9. FREE-STANDING COLUMNS WITHIN SPACES TO RECEIVE SAME CLADDING AND FINISHES AS OTHER SURFACES IN SPACE UNLESS OTHERWISE SHOWN OR NOTED.

10. PROVIDE WALL REINFORCEMENT AT LOCATIONS OF ALL WALL MOUNTED DOOR STOPS.

11. PROVIDE HOIST BEAMS IN MECHANICAL ROOMS AS REQUIRED FOR EQUIPMENT REMOVAL/INSTALLATION.

12. ALL EXPOSED CONCRETE SLAB SURFACES TO HAVE DUSTPROOF SEALER, EXCEPT AREAS WITH STONE FINISH, RESIN MATRIX FINISH, WATERPROOFING, TILE FINISH AND PAINTED FLOOR FINISHES.

13. ALL SLAB PENETRATIONS FOR PIPES, CONDUITS, ETC. (OUTSIDE OF RATED SHAFTS) ARE TO BE FIRESAFED WITH A 2 HOUR RATED SYSTEM. ALL MULTI-PIPE PENETRATIONS TO HAVE A MULTI-PIPE SYSTEM.

14. THE PRECISE NUMBER, SIZE & LOCATION OF ALL HOUSEKEEPING PADS REQUIRED TO SUPPORT AND/OR MAINTAIN MECHANICAL, ELECTRICAL, PLUMBING & FIRE PROTECTION EQUIPMENT SHALL BE CONFIRMED WITH THE EQUIPMENT SUPPLIERS.

**CLARIFICATION OF WORK NOTES**

**B. SPRAY-ON FIREPROOFING NOTES**

1. CONSTRUCTION TYPE IB FIRE RESISTIVE CONSTRUCTION THROUGHOUT THE ENTIRE PROJECT. FULLY SPRINKLERED HIGH RISE BUILDING WITH APPROVED TWO SOURCE WATER SUPPLY.

2. ELEVATOR DIVIDER BEAMS WITHIN ELEVATOR SHAFTS THAT ONLY SUPPORT ELEVATOR RAILS ARE NOT TO RECEIVE SPRAY-ON FIREPROOFING. BEAMS THAT SUPPORT ELEVATOR RAILS, SLABS OR WALLS ARE TO HAVE 2 HR SPRAY-ON FIREPROOFING.

3. UNLESS NOTED OTHERWISE ALL STRUCTURAL STEEL BEAMS, METAL DECK, ETC., NOT ENCASED IN CONCRETE, SHALL BE PROTECTED WITH 2hr SPRAY-ON FIREPROOFING, TYPE FP-01. ALL COLUMNS, GIRDERS, & TRUSSES, SHALL BE PROTECTED W/ 3HR SPRAY-ON FIREPROOFING, TYPE FP-01. (GIRDERS ARE DEFINED AS STRUCTURE SUPPORTING MORE THAN ONE FLOOR AS IN A TRANSFER GIRDER OR TRUSS ASSEMBLY).

4. ALL SPRAY-ON FIREPROOFING WITHIN M,E,P,FP ROOMS, INCLUDING BUT NOT LIMITED TO IDF CLOSETS, ELECTRICAL CLOSETS, MECHANICAL ROOMS, ELEVATOR SHAFTS, AND STAIR AREAS TO HAVE SPRAY-ON FIREPROOFING WHICH INCLUDES SEALER.

5. ALL STRUCTURAL STEEL IN THE FUEL OIL ROOM SHALL HAVE 4hr SPRAY ON FIREPROOFING, TYPE FP-03, WHICH INCLUDES SEALER.

6. PROVIDE SPRAY-ON FIREPROOFING TYPE FP-03 WHICH INCLUDES SEALER IN ALL AREAWAYS, PLENUMS AND ELEVATOR MACHINE ROOMS.

7. UNLESS NOTED OTHERWISE ALL COLUMNS, BEAMS AND OTHER STRUCTURAL MEMBERS SHALL HAVE SPRAY-ON FIREPROOFING INSTALLED AT THE REQUIRED THICKNESS AND DENSITY TO ACHIEVE THE HOURLY RATINGS AS SET FORTH HEREAFTER PER FIRE-RESISTANCE RATING REQUIREMENT PER TABLE 601. ALL FIREPROOFING SHALL COMPLY WITH UNDERWRITER'S LABORATORIES DESIGN TEST FOR THE REQUIRED HOURLY RATINGS.

**B. SPRAY-ON FIREPROOFING NOTES**

STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS, TRUSSES	2 HRS*
FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS	2 HRS
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS	1 HR

\*NOTE: FIRE- RESISTANCE RATINGS OF STRUCTURAL FRAME AND BEARING WALLS ARE PERMITTED TO BE REDUCED BY 1 HR WHERE SUPPORTING A ROOF ONLY.

**C. DOOR AND FINISH HARDWARE - GENERAL NOTES**

1. ALL DOORS AND FRAMES TO BE HOLLOW METAL.

2. PROVIDE INTEGRAL ASTRAGALS & COORDINATOR AT ALL FIRE RATED DOUBLE DOORS.

3. PROVIDE "B-LABEL" (11/2 HR.) AND "C-LABEL" (3/4 HR.) RATED DOORS AND FRAMES WHERE SUCH DOORS OCCUR IN 2 HR AND 1 HR FIRE RATED CONSTRUCTION RESPECTIVELY.

4. PROVIDE WALL BUMPER STOPS AT ALL DOORS WHICH BACK AGAINST PARTITIONS WHEN OPENED. PROVIDE OVERHEAD STOPS IN LOCATIONS WHERE WALL STOPS CANNOT BE USED AND WHERE INDICATED IN THE HARDWARE SETS.

5. PROVIDE JAMB HUNG CENTER PIVOT SETS, WALL STOPS AND EMERGENCY RELEASE DOOR STOPS WITH STRIKES AT ALL TOILETS, IF USED.

6. ALL LOCK-SETS AND LATCH-SETS SHALL BE LEVER X LEVER.

7. IN ADDITION TO THE CRITERIA AND ITEMS NOTED ABOVE, **PROVIDE ITEMS OF FINISH HARDWARE NOTED IN THE HARDWARE SET SCHEDULED FOR EACH DOOR.** WHERE SPECIFIC ITEMS ARE INDICATED IN THE HARDWARE SET, SUCH ITEMS SHALL SUPERSEDE THE REQUIREMENTS ESTABLISHED BY THE GENERAL CRITERIA NOTED ABOVE.

**PERMIT HOLDER NOTES FOR CONSTR.**

**PERMIT HOLDER NOTES FOR CONSTRUCTION**

1. **BUILDING PERMIT TO BE DISPLAYED AT ALL TIMES.** BUILDING PERMITS SHALL BE VISIBLY DISPLAYED AT THE WORK SITE AND SHALL REMAIN VISIBLE UNTIL THE AUTHORIZED WORK HAS BEEN COMPLETED.

2. **WORK TO BE IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS.** ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE CONSTRUCTION DOCUMENTS AND ACCEPTED AS PART OF THE APPLICATION FOR THE BUILDING PERMIT. THE BUILDING PERMIT CONTAINS SUCH A DIRECTIVE. THE PERMIT HOLDER SHALL IMMEDIATELY NOTIFY THE BUILDING INSPECTOR OF ANY CHANGE OCCURRING DURING THE COURSE OF THE WORK. IF THE BUILDING INSPECTOR DETERMINES THAT SUCH CHANGE WARRANTS A NEW OR AMENDED BUILDING PERMIT, SUCH CHANGE SHALL NOT BE MADE UNTIL AND UNLESS A NEW OR AMENDED BUILDING PERMIT REFLECTING SUCH CHANGE IS ISSUED.

3. **TIME LIMITATION ON BUILDING PERMIT** BUILDING PERMITS SHALL BECOME INVALID UNLESS THE AUTHORIZED WORK IS COMMENCED WITHIN SIX (6) MONTHS FOLLOWING THE DATE OF ISSUANCE. BUILDING PERMITS SHALL EXPIRE TWELVE (12) MONTHS AFTER THE DATE OF ISSUANCE. THE BUILDING INSPECTOR MAY RENEW A BUILDING PERMIT WHICH HAS BECOME INVALID OR WHICH HAS EXPIRED UPON APPLICATION BY THE PERMIT HOLDER, PAYMENT OF THE APPLICABLE FEE, AND APPROVAL OF THE APPLICATION.

4. **REVOICATION OR SUSPENSION OF BUILDING PERMITS.** IF THE BUILDING INSPECTOR DETERMINES THAT A BUILDING PERMIT WAS ISSUED IN ERROR BECAUSE OF INCORRECT, INACCURATE OR INCOMPLETE INFORMATION, OR THAT THE WORK FOR WHICH A BUILDING PERMIT WAS ISSUED VIOLATES THE UNIFORM CODE OR THE ENERGY CODE, THE BUILDING INSPECTOR SHALL REVOKE OR SUSPEND THE BUILDING PERMIT UNTIL SUCH TIME AS THE PERMIT HOLDER DEMONSTRATES THAT (1) ALL WORK THEN COMPLETED IS IN COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF THE UNIFORM CODE AND THE ENERGY CODE AND (2) ALL WORK THEN PROPOSED TO BE PERFORMED SHALL BE IN COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF THE UNIFORM CODE AND THE ENERGY CODE.

5. **CONSTRUCTION INSPECTIONS** WORK AUTHORIZED BY A BUILDING PERMIT MUST REMAIN ACCESSIBLE AND EXPOSED UNTIL INSPECTED AND ACCEPTED BY THE BUILDING INSPECTOR OR BY AN INSPECTOR AUTHORIZED BY THE BUILDING INSPECTOR. THE PERMIT HOLDER MUST NOTIFY THE BUILDING INSPECTOR WHEN ANY ELEMENT OF WORK DESCRIBED BELOW IS READY FOR INSPECTION:

- WORK SITE PRIOR TO THE ISSUANCE OF A BUILDING PERMIT;
- FOOTING AND FOUNDATION;
- PREPARATION FOR CONCRETE SLAB FRAMING
- BUILDING SYSTEMS, INCLUDING UNDERGROUND AND ROUGH-IN
- FIRE RESISTANT CONSTRUCTION
- FIRE RESISTANT PENETRATIONS
- SOLID FUEL BURNING HEATING APPLIANCES, CHIMNEYS, FLUES OR GAS VENTS
- ENERGY CODE COMPLIANCE; AND
- A FINAL INSPECTION AFTER ALL WORK AUTHORIZED BY THE BUILDING PERMIT HAS BEEN COMPLETED.

AFTER INSPECTION, THE WORK OR A PORTION THEREOF SHALL BE NOTED AS SATISFACTORY AS COMPLETED, OR THE PERMIT HOLDER SHALL BE NOTIFIED AS TO WHERE THE WORK FAILS TO COMPLY WITH THE UNIFORM CODE OR ENERGY CODE. WORK NOT IN COMPLIANCE WITH ANY APPLICABLE PROVISION OF THE UNIFORM CODE OR ENERGY CODE MUST REMAIN EXPOSED UNTIL SUCH WORK HAS BEEN BROUGHT INTO COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF THE UNIFORM CODE AND THE ENERGY CODE, HAS BEEN RE-INSPECTED, AND HAS BEEN FOUND SATISFACTORY AS COMPLETED.

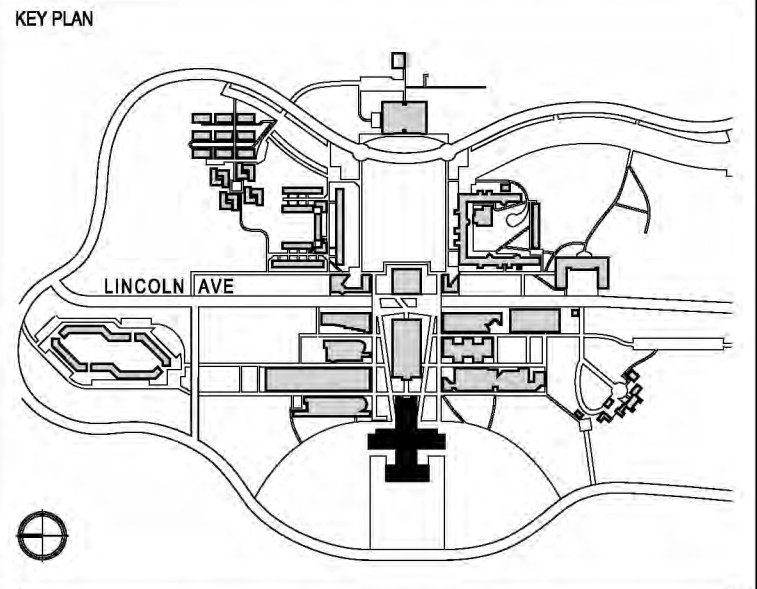
# PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK  
PERFORMING ARTS CENTER  
ADMISSIONS CONFERENCE ROOM

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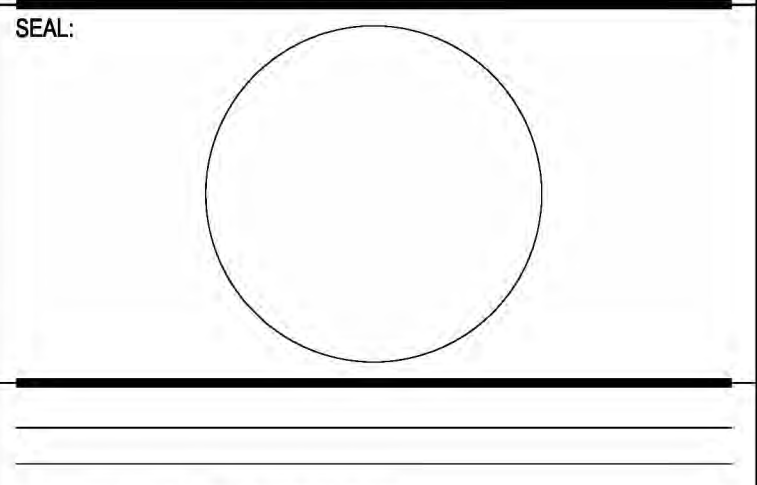
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CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS & DIMENSIONS AND BE RESPONSIBLE FOR FIELD FIT AND QUANTITY OF WORK. NO ALLOWANCES SHALL BE MADE ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.

BUILDING DEPARTMENT NOTE:  
THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

## BID ISSUE



NO	DATE	DESCRIPTION	ISSUES
03	07.22.2025	ISSUED FOR BID	
02	09.28.2024	90% CD ISSUED FOR CLIENT APPROVAL	
01	07.20.2024	ISSUED FOR CLIENT REVIEW	

CONTRACT NUMBER SU 022826  
CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED	PROJECT NO: 2401	DATE: 07.01.2024
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DRAWING TITLE:  
**GENERAL NOTES**

DRAWING NUMBER DRAWING 08 OF 22

# G-010.00

**GENERAL NOTES**

**1. GENERAL NOTES**

1.01 ALL WORK SHALL COMPLY WITH THE REGULATIONS OF THE GOVERNMENTAL AUTHORITIES HAVING JURISDICTION. THE SPECIFICATIONS SHALL BE SUPPLEMENTAL TO ALL LAWS AND CODES OF GOVERNMENTAL REGULATING BODIES RELATING TO BUILDINGS, AND ALL APPLICABLE REQUIREMENTS SPECIFIED IN THESE REGULATIONS SHALL BE FOLLOWED AS NOTED IN THE SPECIFICATIONS OR DRAWINGS. THIS SHALL NOT BE CONSTRUED TO MEAN THAT ANY REQUIREMENTS SET FORTH IN THE SPECIFICATIONS CAN BE MODIFIED BECAUSE THEY ARE NOT COVERED BY SUCH CODES AND LAWS.

1.02 THE GENERAL CONDITIONS OF THE CONTRACT FOR THE CONSTRUCTION OF BUILDINGS, STANDARD FORM OF THE AMERICAN INSTITUTE OF ARCHITECTS, CURRENT EDITION, SHALL APPLY TO ALL WORK IN THIS CONTRACT, EXCEPT AS SPECIFICALLY MODIFIED UNDER SUPPLEMENTARY CONDITIONS AND/OR BY AGREEMENT.

1.03 ALL LEWANDOWSKA ARCHITECT PLLC DRAWINGS AND CONSTRUCTION NOTES ARE COMPLEMENTARY, AND WHAT IS CALLED FOR BY ONE WILL BE BINDING AS IF CALLED FOR BY ALL.

1.04 THE GENERAL CONTRACTOR SHALL NOTIFY LEWANDOWSKA ARCHITECT PLLC IMMEDIATELY IF HE CANNOT COMPLY WITH ALL NOTES CALLED FOR ON THIS SHEET AND ALL ON ALL OTHER DRAWINGS.

1.05 THE GENERAL CONTRACTOR SHALL NOTIFY LEWANDOWSKA ARCHITECT PLLC OF ANY DISCREPANCIES BETWEEN THE DRAWINGS, THESE NOTES AND FIELD CONDITIONS BEFORE SUBMITTING A PROPOSAL OR COMMENCING ANY WORK, AND REQUEST CLARIFICATION.

1.06 ALL APPROVALS SHALL BE FOR DESIGN APPEARANCE ONLY. CONTRACTOR(S) SHALL BE RESPONSIBLE FOR QUANTITIES, DIMENSIONS AND COMPLIANCE WITH CONTRACT DOCUMENTS, AND FOR INFORMATION PERTAINING TO FABRICATION PROCESS OR TECHNIQUES OF FIRST CLASS CONSTRUCTION AND FOR COORDINATION WITH OTHER TRADES.

1.07 THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DRAWINGS AT THE SITE DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES.

1.08 UPON ACCEPTANCE AND APPROVAL OF THE CONTRACT DOCUMENTS, THE GENERAL CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR THE CONSTRUCTION, MATERIALS AND WORKMANSHIP OF THE WORK DESCRIBED HEREIN, AND HE SHALL BE EXPECTED TO COMPLY WITH THE SPIRIT AS WELL AS THE LETTER IN WHICH THEY WERE WRITTEN.

1.09 THE LANDLORD/BUILDING OWNER REQUIREMENTS FOR ALL ALTERATIONS SHALL APPLY TO ALL WORK. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO FAMILIARIZE HIMSELF WITH THEM.

1.10 ALL CONTRACTORS SHALL CONTACT THE BUILDING MANAGEMENT TO DETERMINE THE RULES OF THE BUILDING OWNER FOR CONSTRUCTION, TO DETERMINE WHEN AND HOW DELIVERIES CAN BE MADE (SEE BELOW), WHAT PHASES OF CONSTRUCTION CAN BE DONE DURING REGULAR TIME OR OVERTIME, AND ANY SPECIAL BUILDING REQUIREMENTS WHICH WOULD AFFECT THEIR WORK. IF OVERTIME WORK IS REQUIRED BY ANY TRADE, APPROVAL MUST BE OBTAINED PRIOR TO THE EXECUTION OF ANY WORK, INCLUDING COST. THE GENERAL INTENT IS THAT MOST CONSTRUCTION WORK SHALL BE DONE DURING REGULAR HOURS.

1.11 EACH CONTRACTOR SHALL MAKE ALL REQUIRED ARRANGEMENTS FOR DELIVERY OF EQUIPMENT AND/OR MATERIALS. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO CHECK THE RULES AND REGULATIONS GOVERNING WORK ON THE PREMISES, INCLUDING THE FOLLOWING:

A. DATE AND TIME OF DELIVERY SHALL BE ESTABLISHED WITH CONJUNCTION WITH THE PERSON HAVING JURISDICTION OVER THE PREMISES (OVERTIME CHARGES AND/OR CONTRACTOR REQUIRING SERVICES.)

B. BUILDING CONDITIONS INCLUDING SIZE & LOADING CAPACITY OF ELEVATORS, SIZE OF DOORWAYS, CORRIDORS, AND WINDOW OPENINGS ETC. SHALL BE CHECKED FOR ITEMS BEING DELIVERED BY THE CONTRACTOR REQUESTING DELIVERY.

**GENERAL NOTES**

**1. GENERAL NOTES CONT'D**

C. ALL CHARGES INVOLVING THE INSTALLATION AND/OR OPERATION OF A HOIST SYSTEM, IF REQUIRED, SHALL BE BORNE BY THE CONTRACTOR.

1.12 BEFORE SUBMITTING A PROPOSAL, ALL CONTRACTORS SHALL VISIT THE PREMISES TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SCOPE OF WORK.

1.13 THE SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIAL, OR FOR DIFFICULTIES ENCOUNTERED, WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE, WILL NOT BE RECOGNIZED.

1.14 ALL CORRESPONDENCE TO THE OWNER OR TO ARCHITECT SHALL BE FORWARDED IN COPY TO THE OTHER PARTY.

1.15 THE GENERAL CONTRACTOR, HIS SUBCONTRACTORS AND ANY OTHER CONTRACTOR INVOLVED IN THIS PROJECT SHALL TAKE NOTE THAT ANY COST CAUSED BY DEFECTIVE OR ILL TIMED WORK, AS A RESULT OF, BUT NOT LIMITED TO INFERIOR WORKMANSHIP OR MATERIALS, IMPROPER SCHEDULING OR DELIVERY SCHEDULING SHALL BE BORNE BY THE PARTY RESPONSIBLE.

1.16 THE GENERAL CONTRACTOR SHALL REMOVE ALL DEBRIS, INCLUDING BYPRODUCTS OF CARPET, TELEPHONE COMPANY INSTALLATIONS, ETC.

1.17 THE USE OF WORDS "PROVIDE" OR "PROVIDED" IN CONNECTION WITH ANY ITEM SPECIFIED, IS INTENDED TO MEAN THAT SUCH SHALL BE FURNISHED, INSTALLED AND CONNECTED WHEN SO REQUIRED.

1.18 THE TERMS "EQUAL" OR "APPROVED EQUAL" IN CONNECTION WITH ANY ITEM SPECIFIED IS INTENDED TO MEAN THAT SUCH SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL.

1.19 THE GENERAL CONTRACTOR SHALL SUPPLY CUTS OF ALL FIXTURES AND EQUIPMENT CALLED FOR ON THE DRAWINGS, I.E., LIGHT FIXTURES, HARDWARE, ETC. FOR APPROVAL.

1.20 THE GENERAL CONTRACTOR SHALL SUBMIT FOR FABRICATION SHOP DRAWINGS AND FIXTURE CUTS TO THE ARCHITECT FOR REVIEW. ALL SHOP DRAWINGS AND CUTS SIGNED "NO EXCEPTIONS NOTED" SHALL SUPERSEDE ORIGINAL DRAWINGS IN DESIGN APPEARANCE ONLY. CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR DISCREPANCIES IN THEIR DRAWINGS.

1.21 ALL WOODWORK ATTACHED TO PREMISES AND ALL WOOD DOORS SHALL BE DOUGLAS FIR UNLESS OTHERWISE NOTED, AND COMPLY WITH THE APPLICABLE ADMINISTRATIVE CODES.

1.22 THE GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION FOR FLOORS, WALLS ETC., AND ANY EXISTING ITEMS TO REMAIN. THE GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE INCURRED TO THE SAME BY THE TRADES, AND SHALL BE OBLIGATED TO REPLACE OR RESTORE TO ITS ORIGINAL CONDITION, AS DETERMINED BY THE ARCHITECT.

1.23 THE GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION AND SECURITY FOR HIS WORK UNTIL TURNED OVER TO THE OWNER.

1.24 IN HIS ESTIMATE, THE GENERAL CONTRACTOR SHALL INCLUDE ALL COSTS (INCLUDING OVERTIME WORK) FOR REMOVAL, NEW INSTALLATION, REINSTALLATION WORK FOR ANY PLUMBING, CEILING (REMOVAL AND REINSTALLATION), ELECTRICAL, TELEPHONE, COMMUNICATION EQUIPMENT, OR HVAC WORK ON FLOOR ABOVE AND BELOW THE TENANT SPACE TO COMPLETE WORK ON FLOOR BEING RENOVATED.

1.25 PRIOR TO BEGINNING OF ANY WORK, THE GENERAL CONTRACTOR SHALL FURNISH A CONSTRUCTION SCHEDULE SHOWING THE CHRONOLOGICAL PHASES OF HIS WORK, AND ALL RELATED WORK FOR THE COMPLETION OF THE PROJECT. THIS SCHEDULE SHALL INDICATE ALL ORDERING LEAD TIME, LENGTH OF TIME OF EACH PHASE, AND THE PROJECTED COMPLETION DATE.

**GENERAL NOTES**

**1. GENERAL NOTES CONT'D**

1.26 THE GENERAL CONTRACTOR SHALL FURNISH FIELD PROGRESS REPORTS TO THE ARCHITECT FOR ALL PHASES OF CONSTRUCTION.

1.27 ALL REQUIRED EXITS, WAY OF APPROACH THERETO, AND WAY OF TRAVEL FROM THE EXIT TO THE STREET SHALL CONTINUOUSLY BE MAINTAINED FREE FROM ALL OBSTRUCTIONS AND IMPEDIMENTS FOR UNOBSTRUCTED EGRESS IN CASE OF FIRE OR OTHER EMERGENCY.

1.28 DURING THE ENTIRE PERIOD OF DEMOLITION AND CONSTRUCTION, ALL EXISTING EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES AND ALARMS SHALL BE CONSPICUOUSLY POSTED.

1.29 THE GENERAL CONTRACTOR, SUBCONTRACTORS AND TENANTS CONTRACTORS SHALL SUBMIT CERTIFICATES TO THE ARCHITECT UPON COMPLETION OF THE FOLLOWING:

A. FIREPROOF WOOD TEST REPORT (IF REQUIRED)

B. ELECTRICAL, PLUMBING AND AIR CONDITIONING CERTIFICATES.

C. THE DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY, BOARD OF UNDERWRITERS, OR OTHER APPROPRIATE AGENCY.

1.30 THE CONTRACTOR SHALL PROVIDE REPRODUCIBLE "AS BUILT" DRAWINGS, IN A FORMAT ACCEPTABLE TO THE TENANT, SHOWING ALL LIGHTING AND ELECTRICAL CIRCUITRY WORK (INCLUDING NUMBERS) AS ACTUALLY INSTALLED (SEE ELECTRICAL, LIGHTING AND CEILING NOTES.

1.31 THE GENERAL CONTRACTOR SHALL PAY FOR ALL VERTICAL AND HORIZONTAL TRANSPORTATION CHARGES ON ALL ITS MATERIAL OR EQUIPMENT TO THE POINT OF USE, AND SHALL BE RESPONSIBLE FOR ALL UNLOADING, CHECKING AND STORING OF SAME IN CONNECTION WITH THIS CONTRACT.

1.32 THE GENERAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHER CONTRACTOR(S).

1.33 UNLESS OTHERWISE NOTED, ALL MATERIAL, EQUIPMENT, ETC. SHALL BE FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR.

1.34 THE GENERAL CONTRACTOR SHALL, AT THE TENANT'S DISCRETION, ENTER INTO AN AGREEMENT WITH THE TENANT UTILIZING THE APPROPRIATE A.I.A. FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR.

1.35 THE GENERAL CONTRACTOR SHALL, AT THE TENANT'S DISCRETION, UTILIZE THE A.I.A. STANDARD FORM FOR REQUEST FOR PAYMENT AND FOLLOW ALL GUIDELINES ASSOCIATED THEREWITH.

1.36 THE GENERAL CONTRACTOR SHALL OBTAIN A BUILDING PERMIT FROM THE COLLEGE PRIOR TO COMMENCEMENT OF ANY WORK.

1.37 THE GENERAL CONTRACTOR SHALL PROVIDE A PORTABLE TOILET FOR CONSTRUCTION PERSONNEL. ALL OTHER TOILETS SHALL BE LOCKED FOR THE PERIOD OF CONSTRUCTION.

1.38 DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SUPERSEDE SCALED DIMENSIONS.

1.39 THE ARCHITECT HAS NOT BEEN RETAINED TO PROVIDE SUPERVISION

1.40 ALL STRUCTURAL STEEL MEMBERS SHALL HAVE 2-HOUR RATED FIREPROOFING AT ALL LOCATIONS. SHOULD SUCH FIREPROOFING BE DAMAGED OR OTHERWISE MISSING FOR ANY REASON, IT SHOULD BE RESTORED IMMEDIATELY UPON SUCH DISCOVERY AS REQUIRED BY CODE.

1.41 THERE SHALL BE NO PENETRATION IN EXTERIOR BRICKWORK.

**GENERAL NOTES**

**2. CONSTRUCTION NOTES**

2.01 THE GENERAL CONTRACTOR SHALL DO ALL CUTTING, FITTING AND PATCHING WORK THAT MAY BE REQUIRED TO MAKE ALL PARTS COME TOGETHER PROPERLY AND FIT TO RECEIVE OR BE RECEIVED BY WORK OF OTHER CONTRACTORS ON OR REASONABLY IMPLIED BY THE DRAWINGS AND NOTES.

2.02 THE GENERAL CONTRACTOR SHALL PROVIDE ALL FLOOR CUTOUTS AND PATCHING REQUIRED FOR INSTALLATION OF ALL WORK.

2.03 ALL GYPSUM BOARD PARTITIONS SHALL BE ERECTED AS SHOWN ON THE DRAWINGS AND THE SPECIFICATIONS. ALL GYPSUM BOARD PARTITION JOINTS SHALL BE STAGGERED SO THAT PANEL EDGES FALL ON THE ALTERNATE STUDS. ALL JOINTS SHALL BE TAPED, SPACKLED AND SANDED SMOOTH TO RECEIVE FINISH TREATMENT.

2.04 THE CONTRACTOR SHALL PROVIDE LINE AND GRADING ON THE FINISHED SLAB FOR ALL PARTITIONS, TO BE APPROVED BY THE ARCHITECT. LINE AND GRADING SHALL BE SHOWN BY PAINTING PARTITION LOCATIONS OR BY INSTALLING METAL STUD FLOOR CHANNEL.

2.05 ALL PARTITIONS SHALL BE ANCHORED FIRMLY AS PER MANUFACTURER'S SPECIFICATIONS AND AS REQUIRED BY LOCAL BUILDING CODES. CEILING RUNNERS ARE TO BE SECURELY ATTACHED TO STRUCTURE, NOT TO DUCTWORK.

2.06 ALL LAYERS OF GYPSUM BOARD IN MULTILAYER APPLICATION SHALL BE APPLIED WITH SCREWS.

2.07 THERE SHALL BE NO HORIZONTAL JOINTS ON EXPOSED SURFACES OF GYPSUM WALL BOARD SURFACES.

2.08 CORNER BEADS SHALL BE USED AT ALL EXPOSED GYPSUM BOARD CORNERS AND ENDS.

2.09 WHERE PARTITIONS ABUT THE PERIMETER ENCLOSURE, A SOUND BARRIER SHALL BE INSTALLED WITHIN THE ENCLOSURE TO ELIMINATE THE PASSAGE OF SOUND BETWEEN THE DIVIDED AREAS.

2.10 WHERE NEW AND EXISTING BUILDING PARTITIONS ARE SHOWN TO ALIGN, THE JUNCTURE SHALL BE TAPED, SPACKLED, AND FINISHED SMOOTH.

2.11 ALL PARTITIONS ARE DIMENSIONED FINISH TO FINISH UNLESS OTHERWISE NOTED.

2.12 THE CONTRACTOR SHALL PROVIDE SUFFICIENT FRAMING FOR ALL OPENINGS FOR DUCTWORK AND RETURN AIR OPENINGS BELOW AND AT THE SUSPENDED CEILING. THESE SHALL BE COORDINATED WITH THE ENGINEER & MECHANICAL CONTRACTOR'S SHOP DRAWINGS. ALL OPENINGS SHALL BE PROPERLY SEALED FOR SOUNDPROOFING AND VIBRATION CONTROL.

2.13 WHERE A WALL IS SHOWN ALIGNED WITH MORE THAN ONE EXISTING COLUMN OR EXISTING WALLS, WHICH ARE NOT ALIGNED, THE CONTRACTOR SHALL ALIGN WITH THE FURTHEST PROJECTION, AND ALL OTHER SURFACES ALONG THIS ALIGNMENT SHALL BE FURRED OUT TO THIS LINE.

2.14 ALL "EXISTING TO REMAIN", "RELOCATED" OR "NEW" ITEMS INSTALLED BY THE GENERAL CONTRACTOR IN ADDITION TO BEING AMPLY PROTECTED THROUGHOUT THE PERIOD OF CONSTRUCTION, SHALL BE THOROUGHLY CLEANED TO THE SATISFACTION OF THE ARCHITECT PRIOR TO BEING TURNED OVER TO THE OWNER.

2.15 THE GENERAL CONTRACTOR SHALL THOROUGHLY CLEAN COVE AND STRAIGHT BASE, VISIBLE METAL WINDOW WORK; ALL DOORS AND CONVECTOR ENCLOSURES, ETC. AT THE COMPLETION OF CONSTRUCTION.

2.16 THE GENERAL CONTRACTOR SHALL THOROUGHLY CLEAN ALL DEBRIS AND VACUUM CLEAN CARPETING. LIGHT FIXTURES ARE TO BE CLEANED OF DUST AT COMPLETION OF CONSTRUCTION.

2.17 ALL GYPSUM BOARD USED IN DRYWALL PARTITIONS SHALL BE FIRE CODE "C". ALL WOOD AND PLYWOOD USED FOR BLOCKING SHALL BE FIRE-RATED AS PER CLASS I FIREPROOF BUILDING REQUIREMENTS.

**GENERAL NOTES**

**2. CONSTRUCTION NOTES CONT'D**

2.18 THE SPACE AROUND PIPES, DUCTS ETC., PENETRATING FIRE RATED WALLS, SHALL NOT EXCEED 1/2" AND SHALL BE PACKED SOLID WITH MINERAL WOOL OR EQUAL, AND BE CLOSED OFF BY CLOSE FITTING ESCUTCHEONS AT BOTH SIDES OF THE CONSTRUCTION AS REQUIRED BY LOCAL BUILDING CODES.

2.19 PROVIDE AS MANY AS REQUIRED 4' X 8' X 3/4" THICK PLYWOOD A-C PANELS AROUND ALL TELEPHONE AND COMMUNICATION CLOSETS AS DIRECTED BY THE OWNER. MODIFY PANEL SIZES AS REQUIRED BY FIELD CONDITIONS.

2.20 HOLD NEW WALL CONSTRUCTION 1" BACK FROM REMOVABLE CONVECTOR/RADIATOR ENCLOSURES.

2.21 THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD SUPERVISION OF ALL HVAC WORK DURING INSTALLATION AND SHALL INSPECT ALL SYSTEMS FOR PROPER OPERATION AT COMPLETION OF THE JOB.

2.22 SHOP DRAWINGS OF DUCT WORK AND REGISTERS INCLUDING ACCESS PANELS, IF REQUIRED, SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO PROCEEDING WITH FABRICATION AND/OR INSTALLATION.

2.23 INSTALLATION OF MECHANICAL EQUIPMENT SHALL BE COORDINATED WITH ALL TRADES AS REQUIRED FOR PROPER ASSEMBLY.

2.24 ANY BUILDING SHUT DOWNS FOR THIS WORK SHALL BE REQUIRED IN WRITING BY THE CONTRACTOR AT LEAST 72 HOURS IN ADVANCE OF THE SHUT DOWN. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM ALL AUTHORITIES HAVING JURISDICTION PRIOR TO SHUT DOWN.

2.25 ALL PERIPHERAL SHUT-OFF VALVES SHALL BE ACCESSIBLE AT ALL TIMES.

2.26 NOT USED

**CONSTRUCTION NOTES-DOORS**

2.27 ALL DOORS AND FRAMES SHALL BE FABRICATED AS SPECIFIED ON THE DOOR SCHEDULE AND AS SHOWN ON THE DRAWINGS, OR CALLED FOR ON THE CONSTRUCTION DETAILS, EXCEPT AS NOTED.

2.28 ALL DOORS SHALL HAVE 1/2" UNDERCUT, UNLESS OTHERWISE NOTED.

2.29 ALL DOOR FRAMES SHALL HAVE CONCEALED REINFORCEMENT FOR DOOR JAMBS, AND SHALL BE PUNCHED FOR SILENCERS. DOORS AND DOOR FRAMES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, AND SHALL BE WELDED, UNLESS OTHERWISE NOTED.

2.30 UNLESS OTHERWISE NOTED, ALL HARDWARE SHALL BE SUPPLIED BY THE GENERAL CONTRACTOR, AS SPECIFIED AND MATCHING THE EXISTING IN STYLE AND MAKE, IF REQUIRED.

2.31 ALL LOCK SETS SHALL BE CODED AND/OR KEYED IN ACCORDANCE WITH THE BUILDING REQUIREMENTS. CODES AND/OR KEYS ARE TO BE DELIVERED TO THE OWNER PROPERLY TESTED AND TAGGED. PROVIDE THREE MASTER KEYS AND THREE PASS KEYS FOR EACH LOCK.

2.32 DETAILED HOLLOW METAL AND HARDWARE SCHEDULES SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW, AND FABRICATION OF MATERIAL SHALL NOT BE COMMENCED UNTIL SUCH REVIEW (NO EXCEPTION NOTED) HAS BEEN RECEIVED. THIS REVIEW SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY TO SATISFY CONSTRUCTION DRAWINGS INTENT.

2.33 ALL WOOD DOORS AND FRAMES SHALL CONFORM TO STANDARDS BY GOVERNING AGENCIES HAVING JURISDICTION FOR RATED DOORS, IF REQUIRED.

**3. NOT USED**

**4. NOT USED**

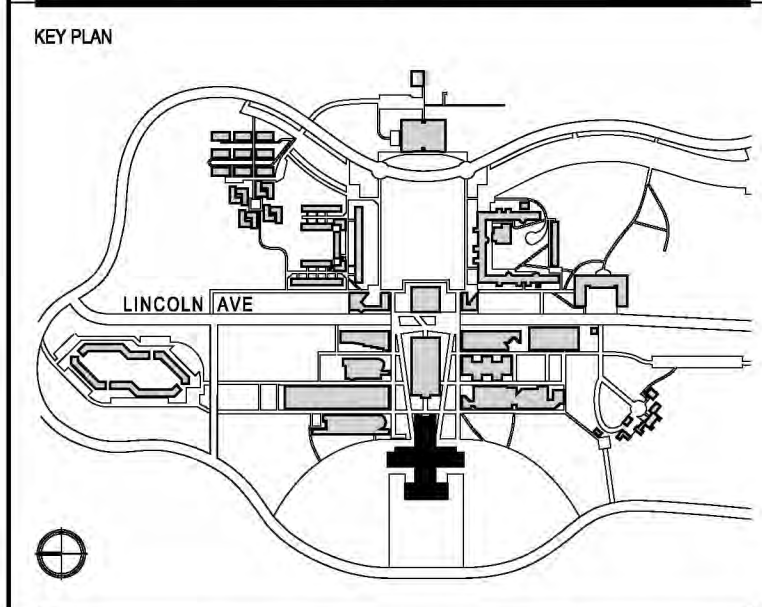
# PURCHASE COLLEGE

STATE UNIVERSITY OF NEW YORK  
PERFORMING ARTS CENTER  
ADMISSIONS CONFERENCE ROOM

**OWNER** PURCHASE COLLEGE . SUNY  
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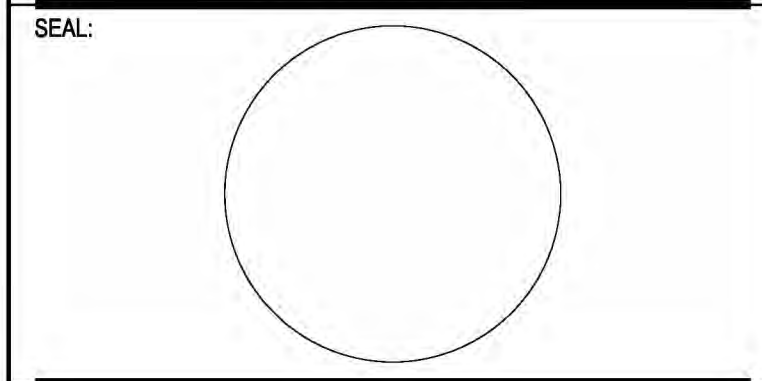
**MEP ENGINEER** COLLADO ENGINEERING  
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CONTACT GEORGE ASPRAS  
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## BID ISSUE



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03	07.22.2025	ISSUED FOR BID	
02	09.28.2024	90% CD ISSUED FOR CLIENT APPROVAL	
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CONTRACT NUMBER SU 022826  
CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:  
**GENERAL NOTES**

DRAWING NUMBER DRAWING 09 OF 22

# G-011.00

SAVE DATE: 3/13/2026 1:50 PM  
3/30/2026 3:35 PM  
PLOT DATE:

# LINEAR DOWNLIGHT

Manufacturer / Model Name **Finelite / HP-4 PENDANT**

Mounting: Aircraft cable  
 Function: Direct downlight / task  
 Finish: Satin Aluminum  
 Size: Flush downlight diffuser  
 Output: High 721 lm/ft  
 Voltage: 120 V  
 Wattage: 9.3 W/ft

Remarks:  
 High Performance 4" aperture - HP-4 pendant, linear LED luminaire.  
 HP-4-P-D-12'-H-830-DSO-96LG-120-SC-DRIVER-FA50-FE-SE

# LA-21 RECESSED DOWNLIGHT

Manufacturer / Model Name **Cooper Lighting / Portfolio**

Mounting: Recessed  
 Function: General light  
 Finish: Anodized aluminum  
 Size: 4" square  
 Source: LED  
 Lamps: 3500 K  
 Lamps/Unit: 1  
 Voltage: Dual Voltage 120-277 V  
 Wattage: 15.4 W

Remarks:  
 4" square, new construction downlight with high center beam optics. LDSQ 4D.  
 LDSQ 4D 15 R55 98 35 D010 TR SQW1LI

# LA-31

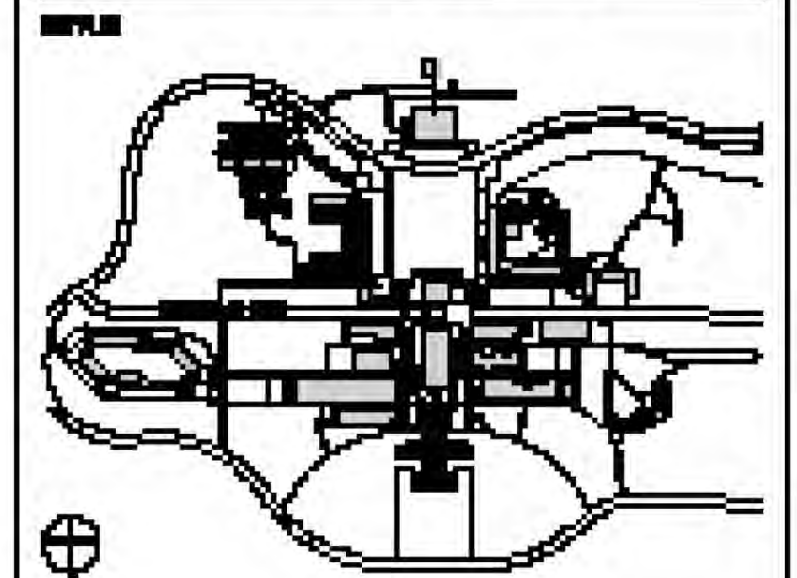
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STATE UNIVERSITY OF NEW YORK  
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**ADMINISTRATIVE CONFERENCE ROOM**

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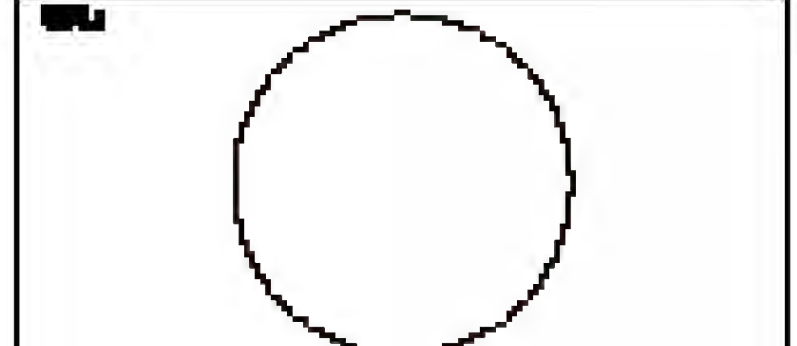
**LIGHTING DESIGN ARCHITECT PLLC**  
 301 FIFTH AVENUE, SUITE 1000, NEW YORK, NY 10001  
 CONTACT: **ANDREW L. LINDENBERG**  
 TEL: 212-693-1000  
 EMAIL: **ALINDENBERG@LDAARCHITECTS.COM**

**COLLAGY INTERIORS**  
 40-50 AVENUE, 4TH FLOOR, WESTFIELD, NY 12091  
 CONTACT: **CHRISTOPHER**  
 TEL: 518-432-5888  
 EMAIL: **CHRISTOPHER@COLLAGY.COM**



**BID ISSUE**

## BID ISSUE



03 07.22.2025 ISSUED FOR BID

**CONTRACT NUMBER: 022626**  
**ISSUE DATE: 07.22.2025**

## LIGHTING FIXTURES SCHEDULE

**G-200.00**

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Type: \_\_\_\_\_ Project: \_\_\_\_\_  
 Ordering Info: \_\_\_\_\_

### High Performance 4" Aperture (HP-4) Pendant

High Performance 4" Aperture is a patented, linear LED luminaire family. HP-4 delivers excellent performance using an advanced optical design and mid-power LEDs. Achieving 90% of initial light output at 100,000+ hours and backed by a 10-year performance-based warranty on all standard components.

This product is enrolled in the International Living Future Institute (ILFI) Declare 2.0 Program and is third-party verified with options achieving **Red List Approved** and **Red List Declared** status.

Signal White is standard finish. **Note:** see page 6 for all aesthetic options.

### CROSS SECTIONS

### OPTIC OPTIONS

### ALSO AVAILABLE IN

### High Performance 4" Aperture (HP-4) Pendant

Ordering Info: HP-4-P-D-12'-H-830-DSO-96LG-120-SC-DRIVER-FA50-FE-SE

Ordering Guide Example: HP-4-P-D-12'-H-830-DSO-96LG-120-DC-FC-10%-FA50-C1-FE-SW-LGD18W-OBO-CP

**BODY TYPE**

Platform: Performance  
 Series Name: HP-4  
 Luminaire Type: Regressed\*  
 Luminaire Distribution: ID - Indirect/Direct  
 Total Length of Run: 12'

**OUTPUT AND LED TYPE**

LED CR/CCT: 90 CR/3000K  
 LED Driver: LUT-E51  
 Voltage: 120V

**Mechanical/Optical Options**

Reflector System: Wash only  
 Voltage: 120V

**Electrical Options**

Driver Selection: Lutron Driver Options  
 Mounting Method: Flush  
 Endcap Style: Open Endcap  
 Finish: Signal White

### Portfolio

#### LDSQ4D | EU4D | 4LBSQW

4" Square, New Construction Downlight with high center beam optics. 250-9500 Lumens.

**Typical Applications**  
 Office • Education • Healthcare • Hospitality • Retail • Code-Compliance Areas • Sports Venues

**Interactive Menu**

- Order Information page 2
- Product Specifications page 4
- Energy Data page 6
- Photometric Data page 7
- Connected System page 12
- Product Warranty

**Product Certification**

- ETL
- UL
- ENERGY STAR

**Product Features**

- 250-9500 lumens; Offered in 90 and 97 CR; ENERGY STAR® qualified
- Interchangeable optics in 5" increments from 10°-70°; Optional media holder accepts two lens media
- Optional snap in driver for ease of replacement; Die-cast or anodized aluminum reflectors
- Standard 0-10V driver dims to 1%; Easy disconnect for LED engine replacement and installation
- 2400K, 2700K, 3000K, 3500K, 4000K, 5000K; D2W™ option from 3000K to 1850K
- Available W2N tunable white CCT range 2700K to 6500K or 2000K to 5000K

**Control Compatibility**

- 0-10V
- DALI
- DMX
- Relay

**Top Product Features**

- 250-9500 lumens; Offered in 90 and 97 CR; ENERGY STAR® qualified
- Interchangeable optics in 5" increments from 10°-70°; Optional media holder accepts two lens media
- Optional snap in driver for ease of replacement; Die-cast or anodized aluminum reflectors
- Standard 0-10V driver dims to 1%; Easy disconnect for LED engine replacement and installation
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- Available W2N tunable white CCT range 2700K to 6500K or 2000K to 5000K

### Dimensional and Mounting Details

### Portfolio

#### LDSQ4D | EU4D | 4LBSQ

Single Line Order Information

Sample Order Number: LDSQ4D10R109030D10SQW1H

Invoice will indicate separate fixture components (housing, trim, module) which will ship complete from a single CLS facility in separate cartons. To receive separate components (housing, trim, module) shipment, click on the "Multi-Line Ordering Information Option" button on the right.

Housing	Lumens	Optic	Color Control	CCT	Optic Position
LDSQ4D-LED Square Downlight 4" Nominal Aperture	80-250 lumens 80-500 lumens 480-4800 lumens 180-1800 lumens 380-2800 lumens Chicago Perun	30-3000 lumens 300-3000 lumens 700-7500 lumens 800-8000 lumens 900-9500 lumens 48-6000 lumens	X-No optic R25-25° R30-30° R40-40° R45-45° R70-70°	90-90 CR Min. 97-97 CR Min.	Blank-Engine accepts optic only (preferred if media will not be used) DM-Engine accepts up to 2 lenses or media (optic recessed in engine)

**Driver**

0D10-0-10V Dimming, 1% to 100%, 120V/277V, 250-9500 lumens (up to 1500 lumens for remote driver)  
 10D10-0-10V Dimming, 1% to 100%, 120V, 2000 to 9500 lumens for remote driver  
 20D10-0-10V Dimming, 1% to 100%, 277V, 2000 to 9500 lumens for remote driver  
 30D10-0-10V Dimming, 1% to 100%, 347V dedicated drivers, 800-4500, 250, 500, 5000 and above step down transformer (250 to 9500 lumens for remote driver)

0D10R-0-10V or Line Voltage Dimming, 1% to 100%, 120V/277V, 250-9500 lumens (up to 1500 lumens for remote driver)  
 10D10R-0-10V or Line Voltage Dimming, 1% to 100%, 120V, 2000 to 9500 lumens for remote driver  
 20D10R-0-10V or Line Voltage Dimming, 1% to 100%, 277V, 2000 to 9500 lumens for remote driver  
 30D10R-0-10V or Line Voltage Dimming, 1% to 100%, 347V step down transformer, 250-9500 lumens (250-9500 lumens for remote driver)

0D10L-0-10V Linear Dimming, 0% to 100%, 120V/277V, 800-6500 lumens (800 to 1500 lumens for remote driver)  
 10D10L-0-10V Linear Dimming, 0% to 100%, 120V, 2000 to 9500 lumens for remote driver  
 20D10L-0-10V Linear Dimming, 0% to 100%, 277V, 2000 to 9500 lumens for remote driver  
 30D10L-0-10V Linear Dimming, 0% to 100%, 347V step down transformer, 800-6500 lumens (800 to 1500 lumens for remote driver)

DALI-FinLight™ (DALI T8) Logarithmic Dimming, 0% to 100%, 120V/277V, 800-6500 lumens (800 to 1500 lumens for remote driver)  
 DALI-Flat Light™ (DALI T8) Logarithmic Dimming, 0% to 100%, 120V, 2000 to 9500 lumens for remote driver  
 DALI-FinLight™ (DALI T8) Logarithmic Dimming, 0% to 100%, 277V, 2000 to 9500 lumens for remote driver  
 DALI-FinLight™ (DALI T8) Logarithmic Dimming, 0% to 100%, 347V step down transformer, 800-6500 lumens (800 to 1500 lumens for remote driver)

DMX-DMX/RDM Logarithmic Dimming, 0% to 100%, 120V/277V, 1000-5000 lumens (1000 to 1500 lumens for remote driver)  
 DMX-DMX/RDM Logarithmic Dimming, 0% to 100%, 120V, 2000 to 9500 lumens for remote driver  
 DMX-DMX/RDM Logarithmic Dimming, 0% to 100%, 277V, 2000 to 9500 lumens for remote driver  
 DMX-DMX/RDM Logarithmic Dimming, 0% to 100%, 347V step down transformer, 1000-5000 (1000 to 1500 lumens for remote driver)

DMX2-DMX/RDM Logarithmic Dimming, 0% to 100%, 120V/277V, RJ45 Connection, 1000-5000 lumens (1000 to 1500 lumens for remote driver)  
 DMX2-DMX/RDM Logarithmic Dimming, 0% to 100%, 120V, 2000 to 9500 lumens for remote driver  
 DMX2-DMX/RDM Logarithmic Dimming, 0% to 100%, 277V, RJ45 Connection, 2000 to 9500 lumens for remote driver  
 DMX2-DMX/RDM Logarithmic Dimming, 0% to 100%, RJ45 Connection, 347V step down transformer, 1000-5000 (1000 to 1500 lumens for remote driver)

0-10V-Ecosystem dimming 1% to 100%, 120V/277V, 1000-3500 lumens (1000 to 1500 lumens for remote driver)  
 0-10V-Ecosystem dimming 1% to 100%, 120V, 2000 to 9500 lumens for remote driver  
 0-10V-Ecosystem dimming 1% to 100%, 277V, 2000 to 9500 lumens for remote driver  
 0-10V-Ecosystem dimming 1% to 100%, 347V step down transformer, 1000-3500 (1000 to 1500 lumens for remote driver)

DV-Low voltage dimming driver (1-100V) for use with 0-10V system, 1000-3000 lumens

**Driver Options**

0-10V Driver Options  
 FC-10% - 0-10V 10% (standard)  
 FC-1% - 0-10V 1%  
 DT1-1% - E848-LED OTL, 0-10V 1%  
 ELB-10V 0% - E848-LED SCL-Drive, 0-10V 0%  
 10V-10% - E848-LED OTL, 0-10V 10% (Tunable White)\*

Lutron Driver Options  
 LUT-E51 - Lutron Ecosystem 1%  
 LUT-TW - Lutron T-Series, Ecosystem 0.7% (Tunable White)

FA50 - Fully Adjustable 50°  
 FA250 - Fully Adjustable 250°  
 FA300 - Fully Adjustable 300°  
 FM - Flexible Mounting\*

**Mounting Options**

Mounting Method: Flush  
 Endcap Style: Open Endcap  
 Finish: Signal White

**Other Options**

C1 - 1/2" x 1/2" T-Bar  
 C2 - 3/8" x 1/2" T-Bar  
 C3 - Screw Slot  
 C4 - Hard Ceiling  
 C5 - 1/2" Regular  
 C7 - 3/8" Regular

# PURCHASE COLLEGE

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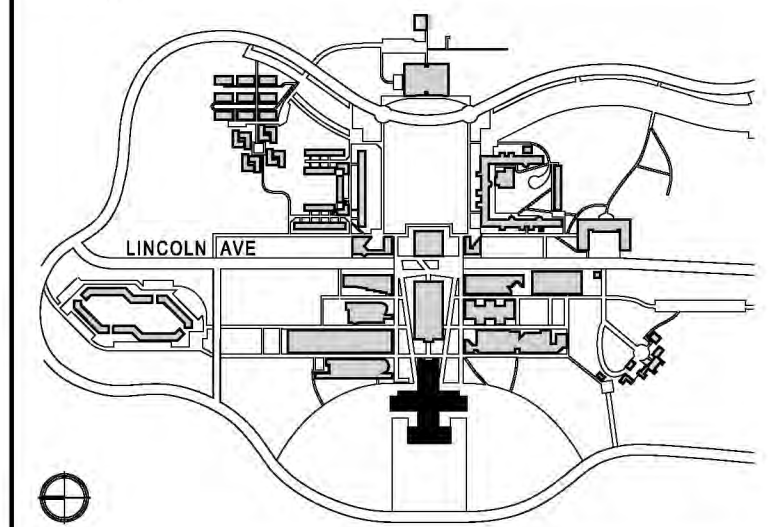
### ADMISSIONS CONFERENCE ROOM

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KEY PLAN

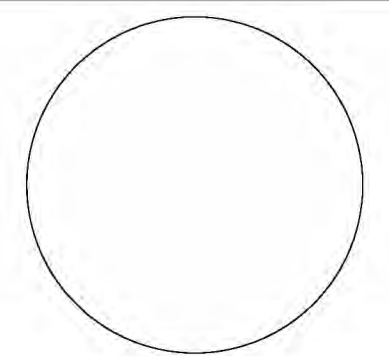


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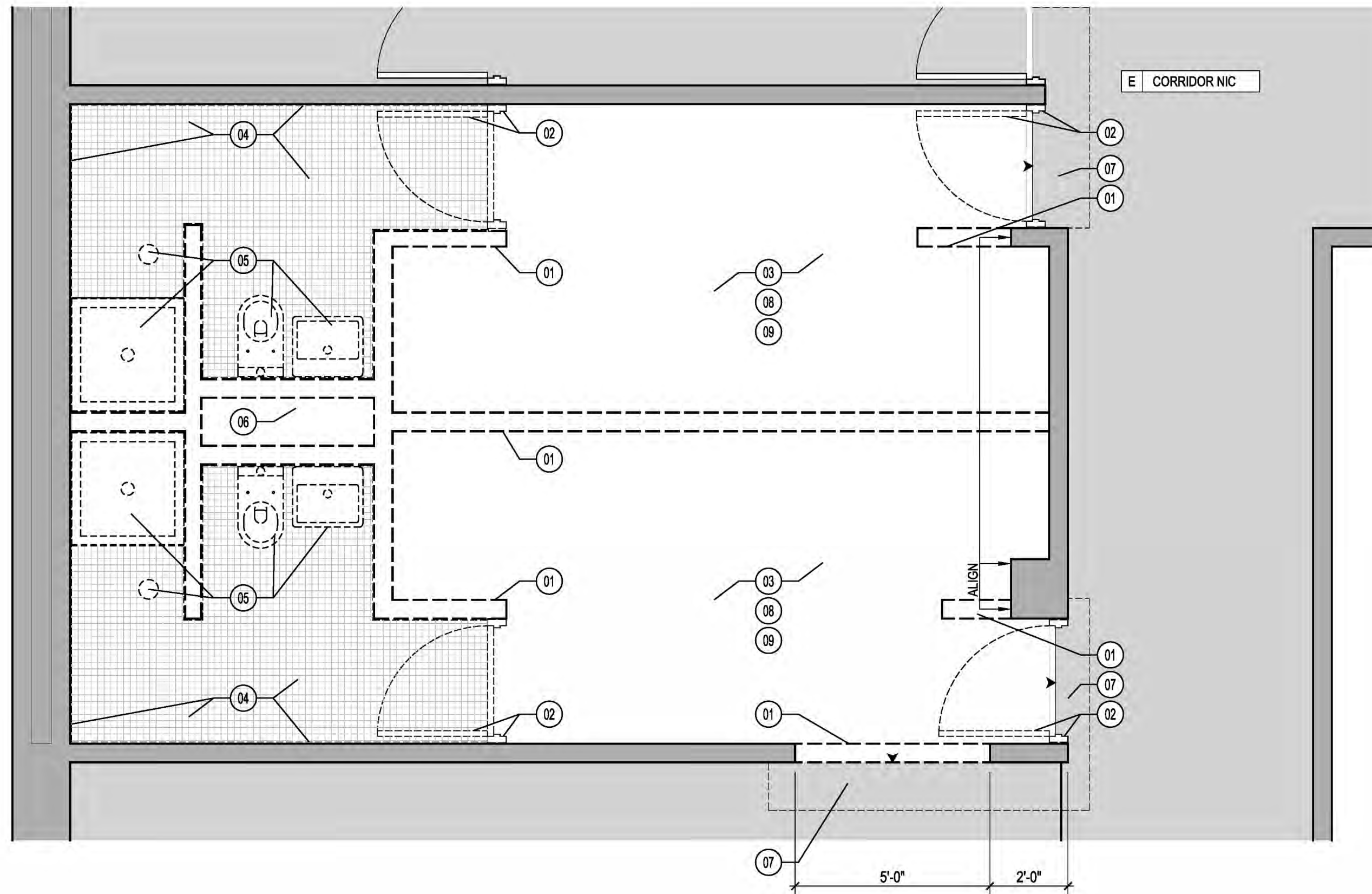
SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

**CONCOURSE LEVEL  
 DEMOLITION PLAN**

DRAWING NUMBER DRAWING 11 OF 22

**D-100.00**



**1 DEMOLITION PLAN**  
 SCALE: 3/8" = 1'-0"

**DEMOLITION SYMBOLS LEGEND**

- EXISTING PARTITION TO REMAIN
- EXISTING RATED PARTITION TO REMAIN
- EXIST. CHASE OR STRUCTURAL COLUMN TO REMAIN
- EXISTING NON-BEARING PARTITION TO BE REMOVED
- EXISTING DOOR AND DOOR FRAME TO BE REMOVED
- EXISTING PLUMBING FIXTURES TO BE REMOVED
- EXISTING WALL FINISHES TO BE REMOVED (PARTITION TO REMAIN)
- AREA NOT IN CONTRACT

**DEMOLITION GENERAL NOTES**

- 01 ANY DEMOLITION SHALL BE CARRIED OUT ACCORDING TO THE PRECISE SPECIFICATIONS PROVIDED BY THE BUILDING'S ENGINEER. IN ADDITION ALL CURRENT RULES AND REGULATIONS REGARDING LEAD-BASED PAINT AND ASBESTOS SHALL BE COMPLIED WITH IN EVERY RESPECT, INCLUDING ALL AIR MONITORING, HEPA VAC CLEAN-UP, HAZARDOUS MATERIAL DISPOSAL AND JOB SITE DUST CONTROLS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL WORKMEN AND CONTRACTORS ARE FAMILIAR WITH THE LEAD-BASED PAINT RULES AND ARE EQUIPPED WITH THE PROPER MATERIALS TO DO THE JOB IN COMPLETE COMPLIANCE WITH ALL FEDERAL, STATE AND CITY REGULATIONS. THE BUILDING'S SUPERINTENDENT HAS THE RIGHT TO HALT THE WORK AT ANY TIME IF THESE RULES ARE NOT FOLLOWED PRECISELY.
- 01A DEMOLITION PLAN D-100 INDICATES THE EXTENT OF DEMOLITION WORK AND SHOWS THE CONSTRUCTION TO BE REMOVED. THE CONTRACTOR SHALL CARRY OUT DEMOLITION ACCORDING TO THE PLAN AND DEMOLITION NOTES, AND NOTHING ELSE. STRUCTURAL BUILDING COMPONENTS ARE NOT TO BE DISTURBED AT ANY TIME.
- 02 THE DEMOLITION PHASE SHALL BE COMPLETED WITHIN A MINIMUM TIME PERIOD. THIS WORK INCLUDES: BREAKING OF ANY EXISTING WALLS, CEILINGS, PLUMBING

**DEMOLITION GENERAL NOTES**

- 03 THE CONTRACTOR SHALL TAKE ALL MEASURES TO PREVENT THE SPREAD OF DIRT AND PLASTER DUST TO OTHER PARTS OF THE BUILDING DURING THE TIME THAT DEBRIS IS REMOVED FROM THE CONSTRUCTION SITE. WITHOUT LIMITATION, SUCH MEASURES MAY INCLUDE HANGING A DUST-PROOF PLASTIC CURTAIN, COVERING ALL DEMOLITION TROLLEYS WITH A HEAVY CLOTH AND/OR REMOVING DEBRIS VIA A WINDOW CHUTE, IF APPLICABLE.
- 04 JOB SITE SHALL BE KEPT CLEAN AND ALL INTERIOR SPACES UNDER RENOVATION WILL BE HEPA VACUUMED AND THE FLOORS WASHED BEFORE WORKMEN LEAVE THE SITE AT THE END OF EACH WORKDAY.
- 05 REMOVE ALL MILLWORK, AND PLUMBING FIXTURES AS SHOWN.

**DEMOLITION GENERAL NOTES**

- 06 REMOVE ALL FLOORING MATERIAL TO THE SURFACE OF THE EXISTING CONCRETE SLAB; THROUGHOUT.
- 07 DEMOLITION SHALL BE PERFORMED WITH AN EXTREME CAUTION AND SHALL NOT DISTURB BUILDING'S STRUCTURAL INTEGRITY, SERVICES AND INFRASTRUCTURE. EXERCISE SPECIAL CARE NOT TO PUNCTURE OR DISTURB EXISTING RATED AND DEMISING PARTITIONS.
- 08 THE CONTRACTOR SHALL MAKE ADEQUATE PROBES OF EXISTING PARTITIONS TO BE DEMOLISHED TO DETERMINE PRESENCE OF ANY CONCEALED RISERS, ELECTRIC CONDUIT, TELEPHONE OR OTHER UTILITY LINES SERVICING THE BUILDING PRIOR TO COMMENCING THE DEMOLITION WORK.
- 09 THE WALLS OF ANY BUILDING ELEVATOR, STAIR, VENTILATION, OR HOIST WAY SHAFTS SHALL NOT BE PROBED, CHANNLED, OR MODIFIED IN ANY WAY WITHOUT THE EXPRESSED PERMISSION OF THE BUILDING'S MANAGEMENT. IN ADDITION, NO INTERIOR CONCRETE SHALL BE CHANNLED FOR PURPOSES OF RUNNING ELECTRICAL OR PLUMBING LINES, UNLESS OTHERWISE NOTED.

**DEMOLITION GENERAL NOTES**

- 10 THE CONTRACTOR IS REQUIRED TO FIRE-SAFE ANY OPENINGS BETWEEN FLOORS AND/OR WALLS EXPOSED DURING THE WORK, EVEN IF NOT CREATED BY THE CONTRACTOR'S WORK.
- 11 THE CONTRACTOR SHALL COMPLY WITH "THE USE OF LEAD-SAFE PRACTICES" FOR WORK IMPACTING 6 SQ. FT. OR MORE OF LEAD PAINT IN BUILDINGS ERRECTED BEFORE 1978, AND ALL APPLICABLE STATE AND LOCAL REGULATIONS. PROPOSED WORK MUST ALSO COMPLY WITH THE FEDERAL EPA RULE ISSUED APRIL 22, 2008.

**DEMOLITION NOTES**

- 01 REMOVE EXISTING CMU NON-BEARING PARTITIONS AS SHOWN
- 02 REMOVE EXISTING METAL DOORS AND METAL FRAMES
- 03 REMOVE EXISTING CARPET AND UNDERLAYMENT
- 04 REMOVE EXISTING FLOOR AND WALL TILES, INCLUDING SETTING CEMENT TO SLAB / WALL SURFACE
- 05 DISCONNECT AND REMOVE ALL PLUMBING FIXTURES AND FITTINGS: W.C. LAVATORY, SHOWER, AND FLOOR DRAIN. SEE ENGINEER'S DRAWINGS FOR MORE INFORMATION.
- 06 SEE ENGINEER'S DRAWINGS FOR MORE INFORMATION ON RISER REMOVAL & CAPPING OF PLUMBING CONNECTIONS.
- 07 PROTECT EXISTING FINISHES IN FRONT OF THE CONFERENCE ROOM
- 08 DISCONNECT ALL ELECTRICAL CONDUITS, LIGHTING FIXTURES AND SWITCHES PRIOR TO REMOVALS, THROUGHOUT; SEE ENG. DWGS
- 09 REMOVE ALL SUSPENDED CEILINGS, SOFFITS, LIGHTING FIXTURES AND MECHANICAL DIFFUSERS THROUGHOUT; SEE ENGINEER'S DWGS FOR MORE INFO.

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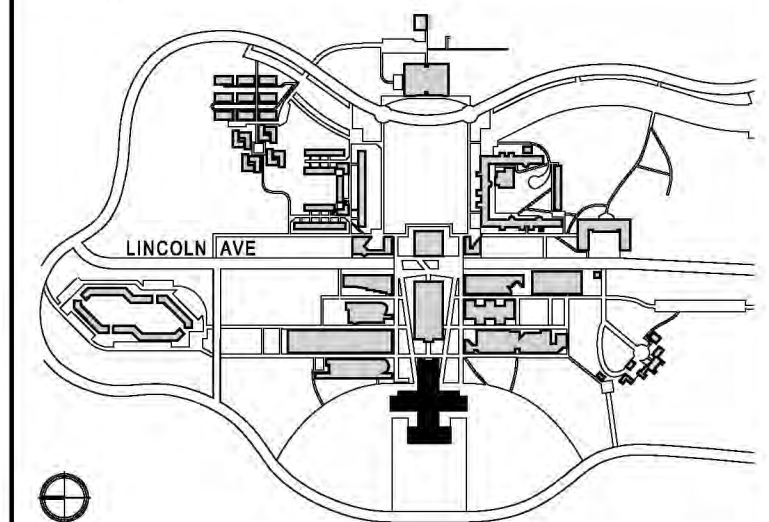
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KEY PLAN

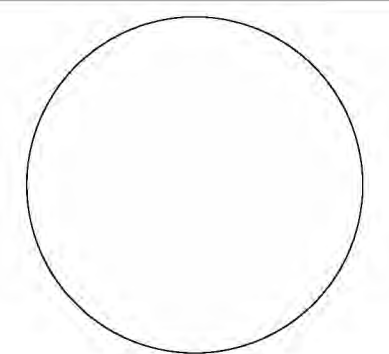


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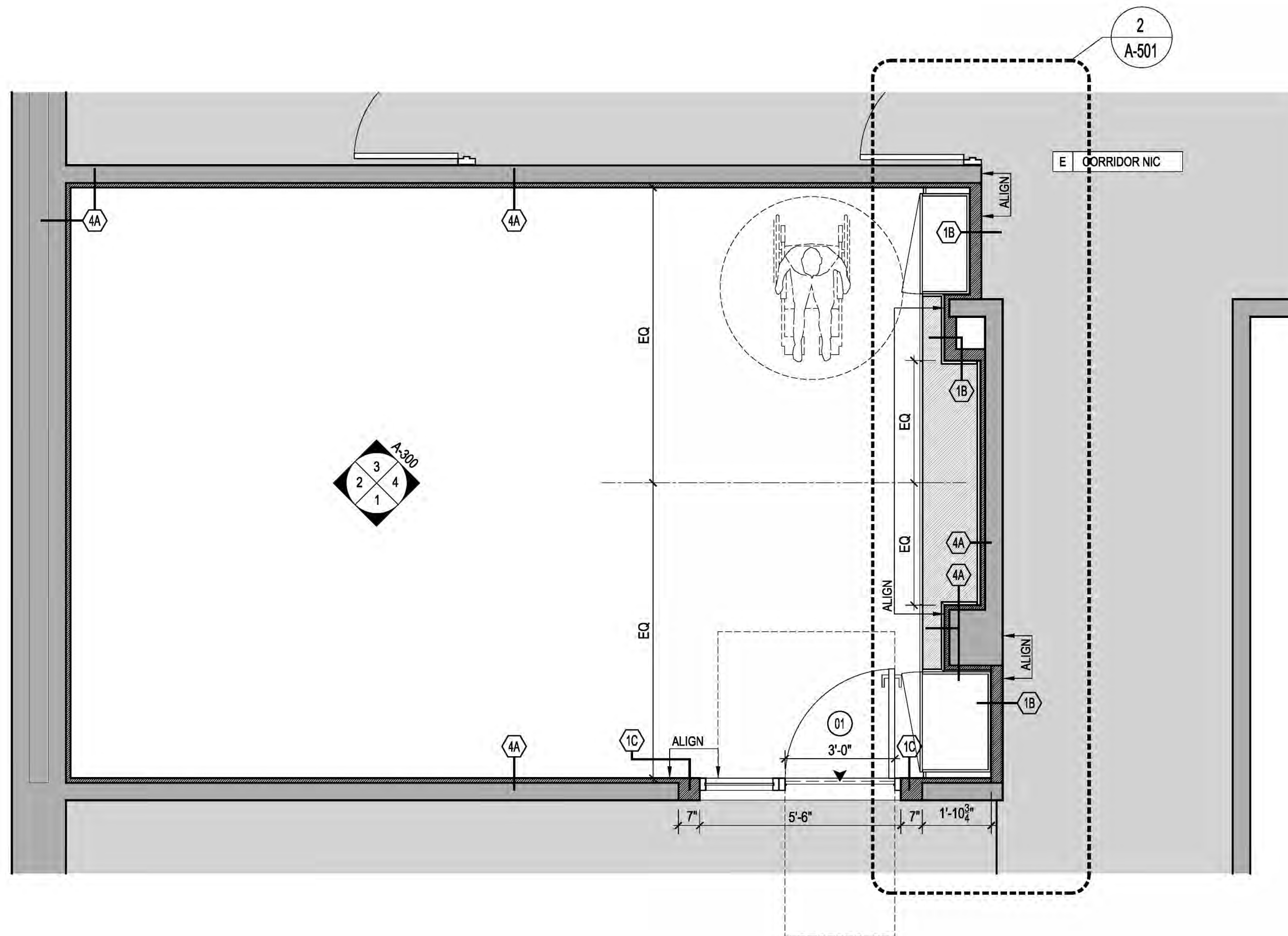
SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

**CONCOURSE LEVEL**  
**CONSTRUCTION FLOOR PLAN**

DRAWING NUMBER DRAWING 12 OF 22

**A-200.00**



**1 CONSTRUCTION PLAN**  
 SCALE: 3/8" = 1'-0"

**SYMBOLS LEGEND**

- ROOM NAME
- RM NO ROOM NAME
- ROOM NUMBER
- 3A PARTITION TYPE
- 01 DOOR NUMBER
- 6'-8" AFF BENCHMARK ELEVATION TO SURFACE INDICATED
- 4 DETAIL DRAWING NUMBER
- A-400 SHEET NUMBER
- 4 SECTION NUMBER
- A-400 SHEET NUMBER
- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- AREA NOT IN CONTRACT
- EXTEND OF FINISHES
- STARTING POINT AND DIRECTION OF FINISHES

**SYMBOLS LEGEND**

- CENTER OF STRUCTURAL GRID
- N5 STRUCTURAL BUILDING COLUMN IDENTIFICATION
- CLEAR FLOOR SPACE FOR ADA COMPLIANCE

**CONSTRUCTION GENERAL NOTES**  
 PLAN LAYOUT

- 01 THE CONTRACTOR SHALL OBTAIN A WRITTEN APPROVAL FROM THE ARCHITECT FOR THE CHALKED OUTLINE OF THE INTERIOR PARTITIONS PRIOR TO COMMENCEMENT OF WALL ERECTION.
- 02 THE SPACE SHALL BE LAID OUT IN THEIR ENTIRETY. NO PIECEMEAL LAYOUTS SHALL BE REVIEWED BY THE ARCHITECT.
- 03 NO CUTTING, CHOPPING OR CHANNELING OF CONCRETE STRUCTURAL SLAB AND/OR OTHER BUILDING STRUCTURE WILL BE PERMITTED AT ANY TIME, U.O.N.
- 04 STRUCTURAL, CHASE AND/OR OTHER BUILDING SERVICES SHALL NOT BE DISTURBED AT ANYTIME.
- 05 ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS. ANY DEVIATIONS OR SUBSTITUTIONS MUST BE APPROVED BY THE ARCHITECT.
- 06 ALL CONTRACTORS AND SUBCONTRACTORS EXECUTING THE WORK SHALL BE LICENSED IN WESTCHESTER COUNTY: ELECTRICAL WORK MUST BE DONE BY A LICENSED ELECTRICIAN, ALL PLUMBING WORK MUST BE DONE BY A LICENSED PLUMBER (WESTCHESTER COUNTY).

**CONSTRUCTION GENERAL NOTES**

- 07 NO IMPACT TOOLS MAY BE USED AT ANY TIME.
- 08 SEE GENERAL NOTES AND BUILDING MANAGEMENT NOTES ON SHEETS G-011 THROUGH G-015 FOR ADDITIONAL CONSTRUCTION NOTES.
- 09 ALL MECHANICAL, ELECTRICAL AND PLUMBING WORK MUST BE PERFORMED BASED ON AND COORDINATED WITH ENGINEER'S DRAWINGS.
- 10 NO CHANNELING OF THE SLABS OR MASONRY WALLS PROVIDING ROUTING FOR NEW POWER OR DATA LINES ARE ALLOWED U.O.N.
- 11 THE CONTRACTOR TO UTILIZE LOW V.O.C. AND ENVIRONMENTALLY COMPATIBLE PRODUCTS ON THIS PROJECT, INCLUDING BUT NOT LIMITED TO PAINTS, VARNISHES, SEALERS, STRIPPERS AND ALL NON-NATURAL BUILDING/FINISH COMPONENTS SUCH AS MDF ETC.
- 12 FABRICATION OF ALL MILLWORK, IF ANY, MUST BE PERFORMED OFF-PREMISES.
- 13 DIMENSIONS INDICATED ARE TO FINISH PARTITIONS, INCLUDING PANELS, TILES AND/OR OTHER FINISHES AS SPECIFIED. THE CONTRACTOR TO COORDINATE TOLERANCES OF APPLICABLE TRADES TO ENSURE FINISH DIMENSIONS ARE MET.

**CONSTRUCTION GENERAL NOTES**

- 14 LOOSE FURNITURE (TABLES AND CHAIRS) ARE SHOWN FOR REFERENCE ONLY. COLLEGE WILL PROCURE FURNITURE UNDER A SEPARATE CONTRACT.
- 15 SEE DRAWING A-400 FOR PARTITION DETAILS.
- 16 SEE DRAWING A-410 FOR DOOR DETAILS.
- 17 SEE DRAWING A-230 FOR FINISH PLAN.

**DESCRIPTION OF WORK**

- 01 INTERIOR RENOVATION OF AN EXISTING SPACE; COMBINE TWO ADJACENT ROOMS INTO ONE CONFERENCE ROOM.
- 02 NO CHANGE IN USE OR OCCUPANCY, WITH MINOR CHANGE TO EGRESS UNDER THIS APPLICATION.
- 03 FURNITURE AND/OR EQUIPMENT PROVIDED BY THE OWNER; SHOWN ON THE DRAWINGS FOR REFERENCE ONLY.
- 04 FINISHES OF SURFACES (WALLS, FLOOR AND CEILING) FACING THE CORRIDOR AT FILL-IN PARTITIONS AND AT NEW DOOR #01 SHALL MATCH ALL ADJACENT FINISHES. COORDINATE WITH THE COLLEGE SPECIFICATIONS OF ALL REQUIRED MATERIALS.

# PURCHASE COLLEGE

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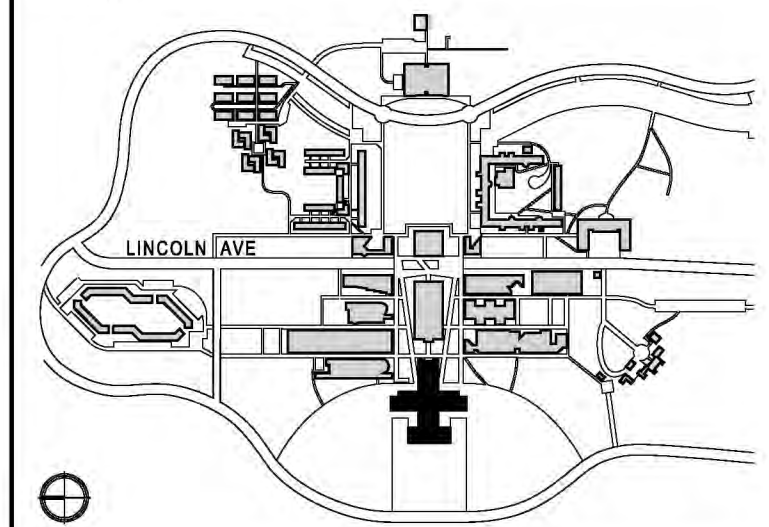
### ADMISSIONS CONFERENCE ROOM

**OWNER** PURCHASE COLLEGE . SUNY  
 735 ANDERSON HILL RD. PURCHASE NY 10577-1400  
**CONTACT** SEAN CONNOLLY  
 T 914-251-5916  
 E SEAN.CONNOLLY@PURCHASE.EDU

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KEY PLAN

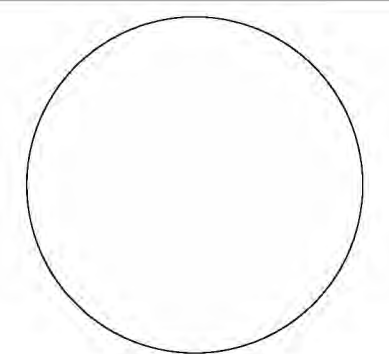


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01	07.20.2024	ISSUED FOR CLIENT REVIEW	

CONTRACT NUMBER SU 022826  
 CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

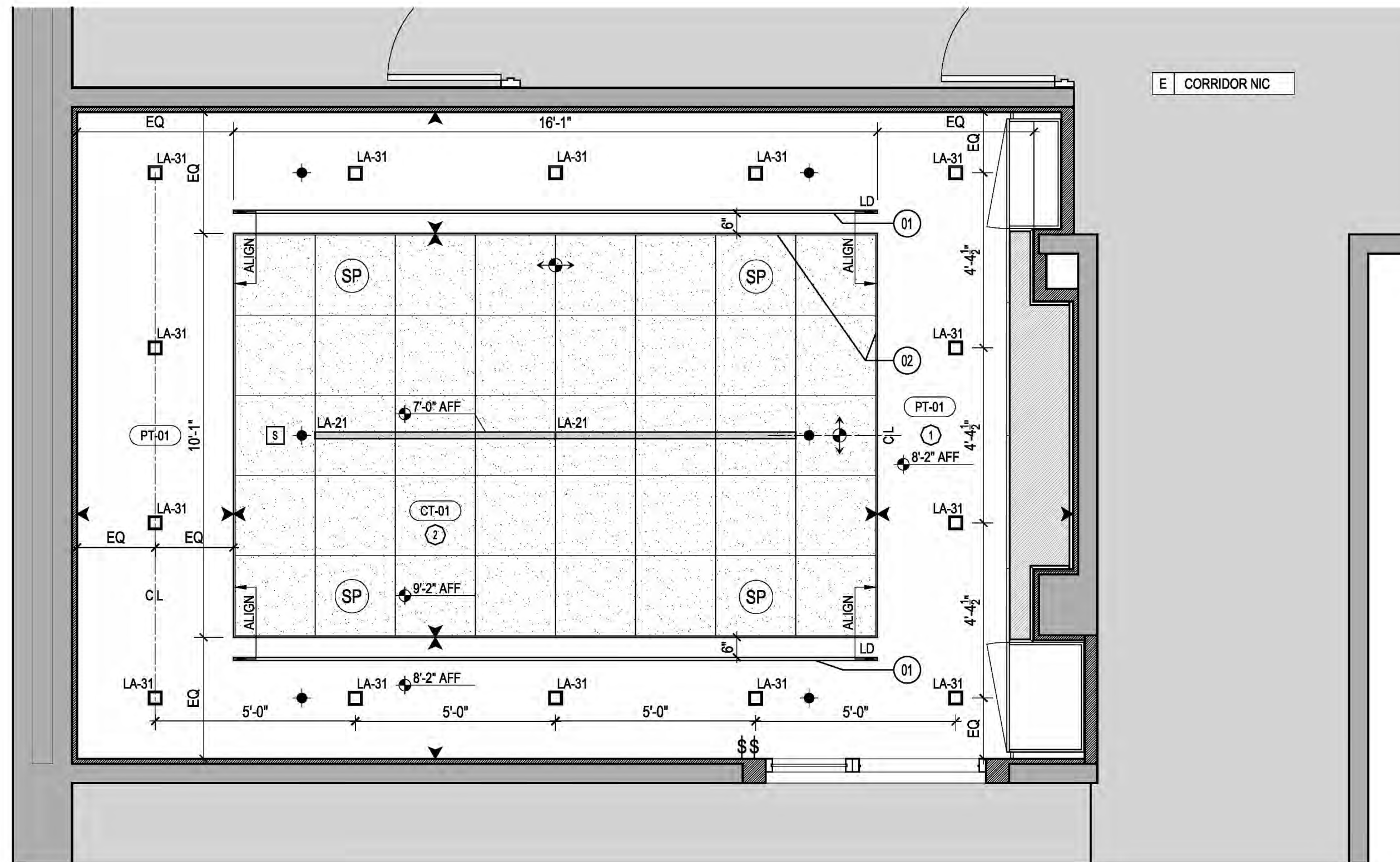
DRAWING TITLE:

## CONCOURSE LEVEL

### REFLECTED CEILING PLAN

DRAWING NUMBER DRAWING 13 OF 22

# A-210.00



## 1 REFLECTED CEILING PLAN

SCALE: 3/8" = 1'-0"

### CEILING SYMBOLS LEGEND

- SMOKE DETECTOR SEE ENGINEER'S DWGS FOR INFO
- EXTEND OF DROPPED CEILING
- CEILING HEIGHT ABOVE FINISH FLOOR
- CEILING TYPE 1
- SUSPENDED CEILING TYPE 2
- DOOR FRAME
- AIR SUPPLY: LINEAR DIFFUSER; SEE ENG. DWG FOR MORE INFO
- AIR RETURN; E-EXISTING; SEE ENG. DWG FOR MORE INFO
- LIGHT SWITCH; SEE ENG. DWG
- START POINT AND DIRECTION OF CEILING TILES OR FINISHES
- CEILING / SURFACE MOUNTED SPRINKLER HEAD; SEE ENG. DWG
- CEILING PAINT; SEE FINISH PLAN A-230 FOR MORE INFO.
- ACOUSTIC CLG TILE; SEE FINISH PLAN A-230 FOR MORE INFO.
- CEILING MOUNTED SPEAKER

### LIGHT FIXTURES SYMBOLS

- LA-21 LINEAR PENDANT DIRECT
- LA-31 RECESSED DOWNLIGHT

### CEILING GENERAL NOTES

- 01 G.C. TO COORDINATE TRADES PRIOR TO FIXTURES INSTALLATION.
- 02 SEE DRAWING A-400 FOR CEILING DETAILS.
- 03 SEE DRAWINGS G-200 FOR LIGHTING FIXTURES SCHEDULE.
- 04 RESTORE FIREPROOFING ON ALL EXPOSED STRUCTURAL MEMBERS, IF REQUIRED.
- 05 SEE ENGINEER'S DRAWINGS FOR SPRINKLER HEADS LOCATIONS
- 06 SEE ENGINEER DRAWINGS FOR ADDITIONAL INFORMATION REGARDING MEP AND SP AND FP SCOPE OF WORK.
- 07 THE CONTRACTOR MAY NOT USE EXPANSION BOLTS TO HANG THE CEILING SUPPORTS. FASTENING METHOD BY HOOK AND HANG FROM THE WIRE MESH IN THE STRUCTURAL SLAB, OR UTILIZE EPOXY SET ANCHORS. PLEASE NOTE THAT PULL-OUT TESTS ARE RECOMMENDED.
- 08 SEE DRAWING A-230 FOR FINISH MATERIALS SCHEDULE.
- 09 COORDINATE LIGHT SWITCH TYPE AND GENERAL LOCATION WITH ENGINEER'S DRAWINGS.

### CEILING GENERAL NOTES

- 10 ARCHITECT SHALL DETERMINE AND APPROVE FINAL LOCATION OF ALL LIGHT SWITCHES.
- 11 NEW SMOKE DETECTORS AND SPRINKLERS AS PER ENGINEER'S DRAWINGS. G.C. TO COORDINATE.

### CEILING TYPE NOTES

- 1 CEILING TYPE 1 - SUSPENDED GYPSUM BOARD CEILING. PAINTED AS PER FINISH SCHEDULE. SEE DETAILS ON DWG A-400
- 2 SUSPENDED CEILING TYPE 2 - ACOUSTIC CEILING TILES ON SUSPENDED CEILING GRID; TYPE AND FINISH AS PER FINISH SCHEDULE. SEE ADDITIONAL DETAILS ON DWG A-400

### DRAWING NOTES

- 01 LINEAR DIFFUSER; SEE ENGINEER'S DRAWINGS FOR MORE INFORMATION
- 02 COORDINATE THE EXTEND OF THE RAISED CEILING WITH THE DIMENSIONS OF ACOUSTIC CEILING TILES AND TRIMS. ADJUST AS REQUIRED TO INSTALL FULL TILES ONLY. NO CUT TILES SHALL BE PERMITTED.

# PURCHASE COLLEGE

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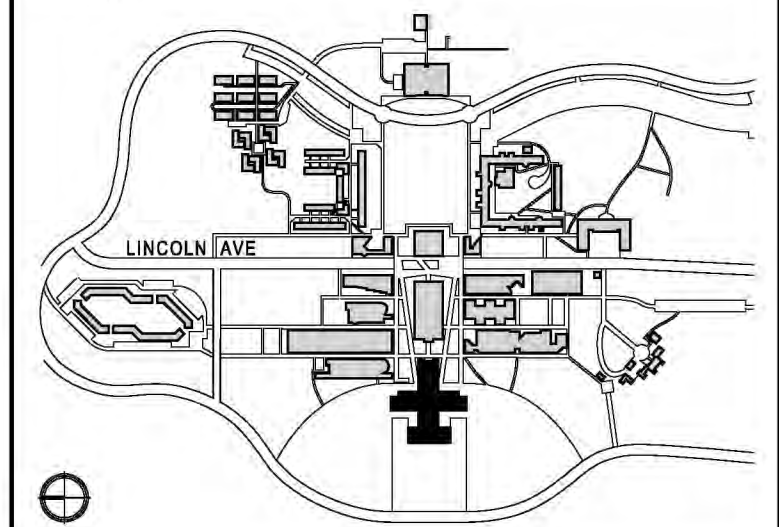
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KEY PLAN

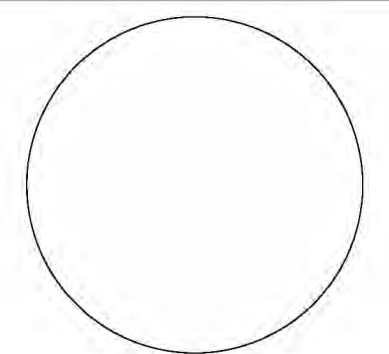


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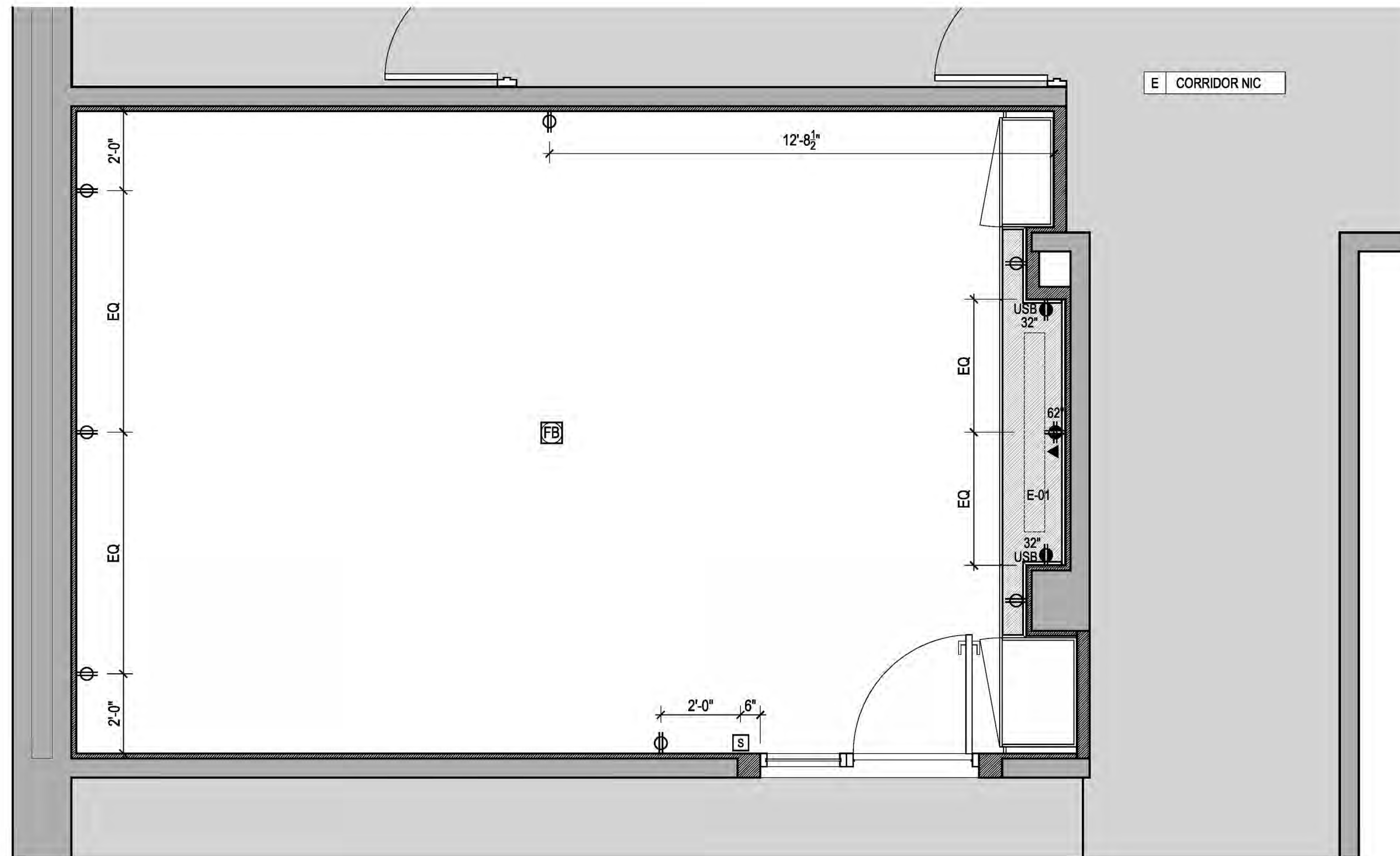
SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

**CONCOURSE LEVEL POWER DATA AND EQUIPMENT PLAN**

DRAWING NUMBER DRAWING 14 OF 22

**A-220.00**



#### 1 POWER, DATA AND EQUIPMENT PLAN

SCALE: 3/8" = 1'-0"

##### POWER SYMBOLS LEGEND

- NETWORK CABLE OUTLET
- NETWORK CABLE OUTLET AT SPECIFIED HT
- DUPLEX POWER RECEPTACLE
- DUPLEX POWER RECEPTACLE AT SPECIFIED HT
- QUAD POWER RECEPTACLE
- QUAD POWER RECEPTACLE AT SPECIFIED HT
- DATA OUTLET
- DATA OUTLET AT SPECIFIED HT
- FLOOR MOUNTED POWER RECEPTACLE
- JUNCTION BOX
- FIRE AND LIFE PROTECTION DEVICES SEE FIRE ALARM DRAWING FOR DETAILS
- THERMOSTAT
- FLOOR MOUNTED RACETRAC SEE ENGINEER'S DRAWINGS FOR LOCATION AND MORE INFORMATION

##### POWER GENERAL NOTES

- 01 ALL EXISTING POWER AND DATA RECEPTACLES TO BE REMOVED.
- 02 ALL ABANDONED ELECTRICAL BOXES WITH REMAINING WIRING, IF ANY, SHALL REMAIN ACCESSIBLE VIA REMOVABLE COVERS.
- 03 COORDINATE WITH ENGINEER'S DRAWINGS.
- 04 EQUIPMENT TO BE PROVIDED BY THE OWNER, AND IT IS SHOWN FOR INFORMATION AND COORDINATION ONLY.
- 05 G.C. TO COORDINATE POWER REQUIREMENTS WITH EQUIPMENT SHOWN WITH THE ENGINEER'S DRAWINGS.
- 06 SEE DRAWING G-005 FOR STANDARD MOUNTING HEIGHTS.
- 07 ALL POWER RECEPTACLES TO BE 18" AFF U.O.N.
- 08 ALL POWER RECEPTACLES LOCATED IN WET AREAS, IF ANY, TO BE GFCI TYPE AS REQUIRED BY CODE. SEE ENGINEER'S DRAWINGS FOR MORE INFORMATION.

##### POWER GENERAL NOTES

- 09 OCCUPANCY SENSOR SHALL BE PROVIDED AS REQUIRED BY CODE.
- 10 SEE A-210 REFLECTED CEILING PLAN FOR LIGHT SWITCH LOCATIONS. FINAL PLACEMENT OF ALL SWITCHES TO BE APPROVED BY ARCHITECT DURING CONSTRUCTION.

E-01 WALL MOUNTED MONITOR BY OTHERS. PROVIDE WALL BRACKET. COORDINATE WITH OWNER SIZE AND POWER REQUIREMENTS.

# PURCHASE COLLEGE

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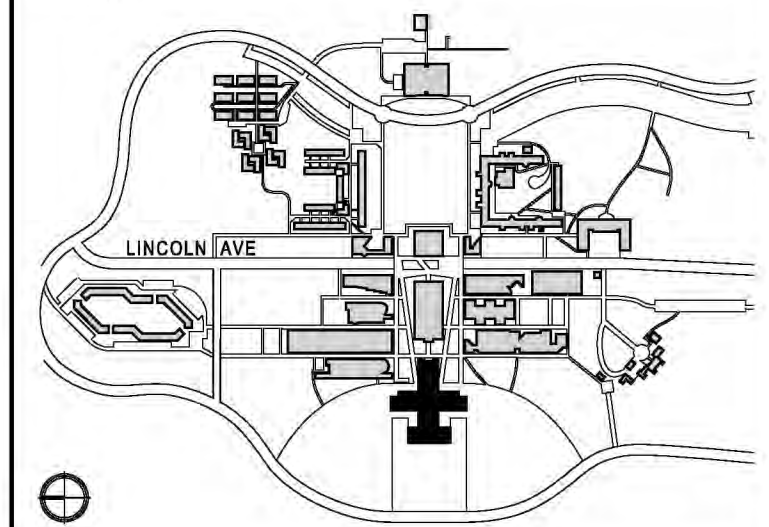
### ADMISSIONS CONFERENCE ROOM

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KEY PLAN

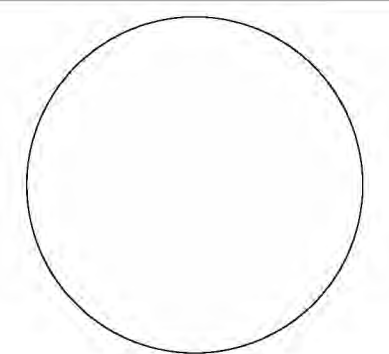


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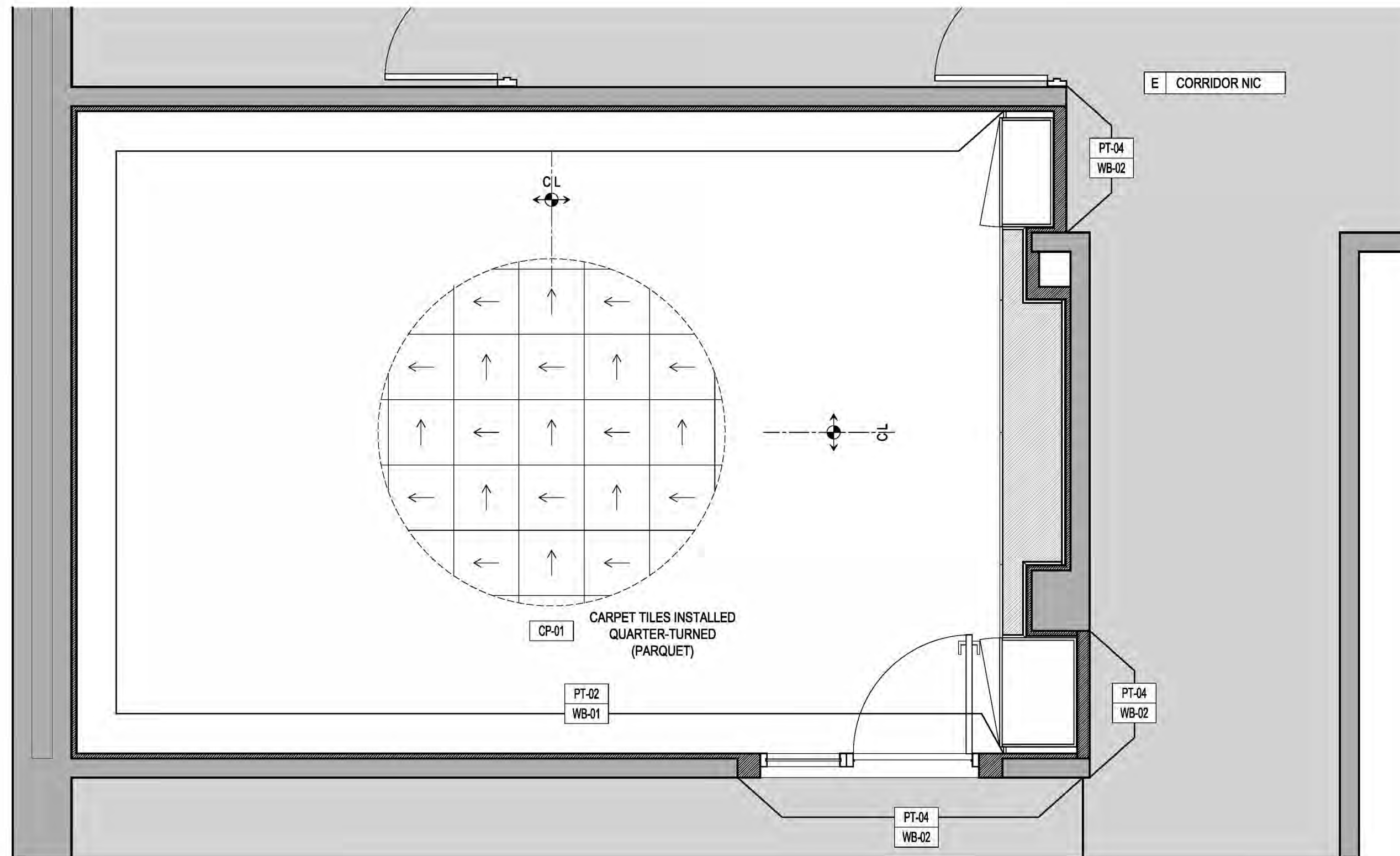
SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

**CONCOURSE LEVEL**  
**FINISH PLAN & FINISH SCHEDULE**

DRAWING NUMBER DRAWING 15 OF 22

**A-230.00**



**1 FINISH PLAN**  
 SCALE: 3/8" = 1'-0"

**FINISH SYMBOLS LEGEND**

- EXTEND OF FLOOR FINISH
- FLOOR FINISH MATERIAL
- EXTEND OF WALL / BASE FINISH

**FINISHES GENERAL NOTES**

- 01 EXISTING CONCRETE FLOOR TO REMAIN. G.C. TO CLEAN AND PROVIDE SMOOTH AND EVEN SURFACE THROUGHOUT. CONSULT CARPET TILE MANUFACTURER FOR THE REQUIRED SURFACE PREPARATION.
- 02 PT-04 WALL PAINT AND WB-02 WALL BASE ON THE CORRIDOR SIDE TO MATCH EXISTING ADJACENT FINISHES; G.C. TO COORDINATE WITH THE COLLEGE.

SYMBOL	ITEM	DESCRIPTION	MANUFACTURER'S NAME & MODEL NO.	PROPERTIES			COMMENTS
				COLOR	FINISH	DIMENSIONS	
CP-01	CARPET TILE	ENGAGED TUFTED SHEARED, NYLON, SOLUTION DYE	FLOR-CHASING PAVEMENT	TITANIUM / SILVER	ANTIMICROBIAL	19.69" X 19.69" X 0.345"	NON-DIRECTIONAL, GLUE DOWN INSTALLATION
CT-01	CEILING TILE	ACOUSTIC CEILING TILE MINERAL FIBER	ARMSTRONG - OPTIMA LAY-IN AND TEGULAR OR APPROVED EQUAL	WHITE	FINE TEXTURE	24" X 24" X 3/4"	RELATED ITEM: LAY-IN EXPOSED TEE GRID, ARMSTRONG 9/16" SUPRAFINE OR APPROVED EQUAL, WH-STANDARD WHITE GRID FINISH
PT-01	PAINT	WATERBORNE ACRYLIC LATEX INTERIOR PAINT	BENJAMIN MOORE LOW VOC	BM 961 SEAPEARL	MATTE 522	-	OFF WHITE, CEILING AND SOFFIT
PT-02	PAINT	WATERBORNE ACRYLIC LATEX INTERIOR PAINT	BENJAMIN MOORE LOW VOC	BM 1612 PELICAN GRAY	MATTE 522	-	OFF WHITE WALLS
WB-01	WALL BASE	RUBBER BASE	ROPPE; PINNACLE RUBBER BASE OR APPROVED EQUAL	COLOR 667 GALACTIC	STANDARD TOE	4-1/4" H	USE STRAIGHT PIECES OF MAXIMUM LENGTHS POSSIBLE. NO GAPS AT SEAMS, AND TOPS OF PIECES ALIGNED. FORM CORNERS W/O PRODUCING DISCOLORATION. PRODUCE A SNUG FIT TO SUBSTRATE.
WD-01	WOOD VENEER	WHITE OAK	RIFT CUT	LIGHT, WARM YELLOW	MATTE	-	ARCHITECT TO APPROVE A SAMPLE
ST-01	STONE	CALACATTA WHITE	MARBLE	WHITE	POLISHED	1 - 1/2" THCK SLAB	ONE PIECE; ARCHITECT TO APPROVE SLAB

# PURCHASE COLLEGE

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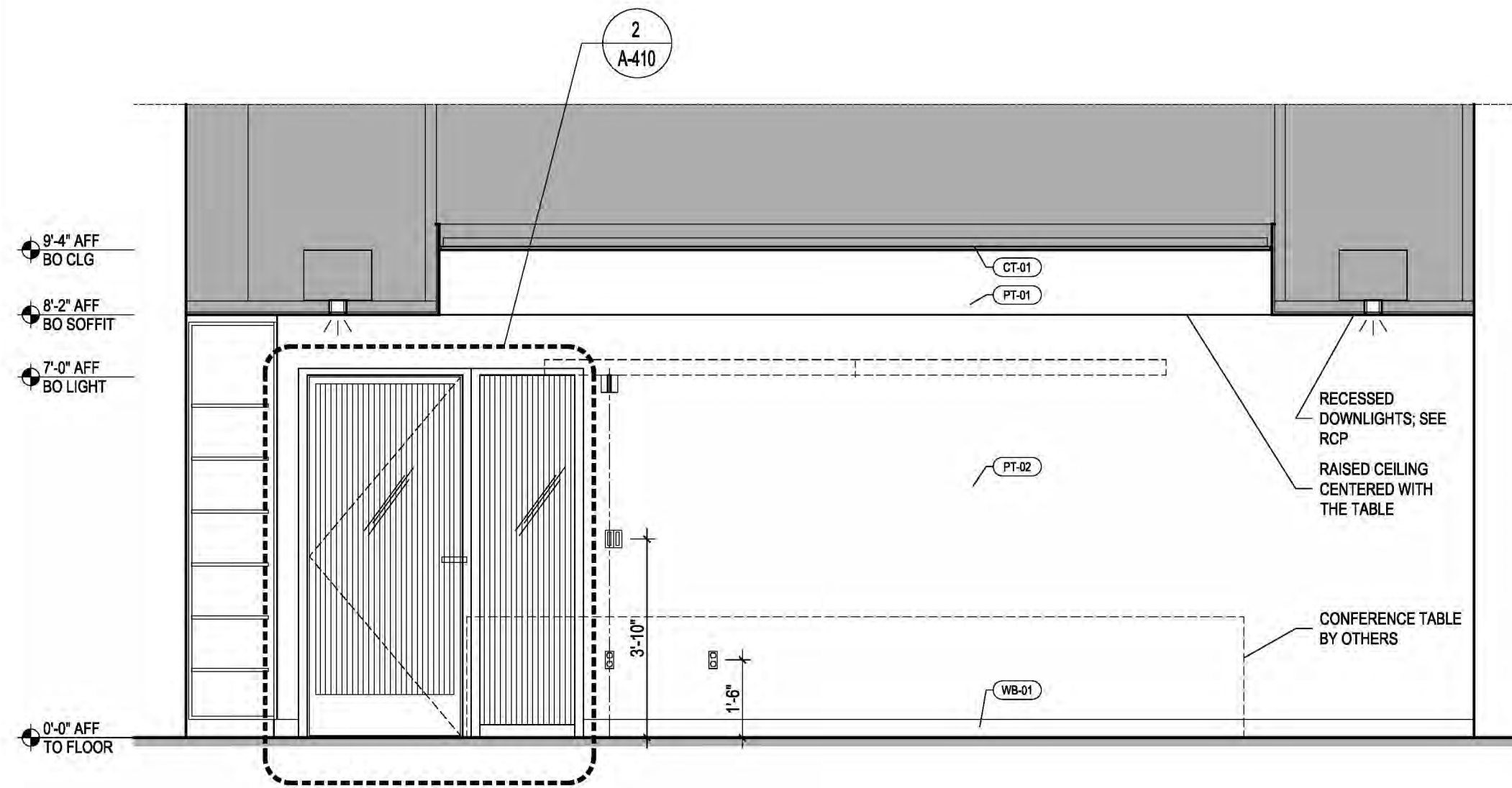
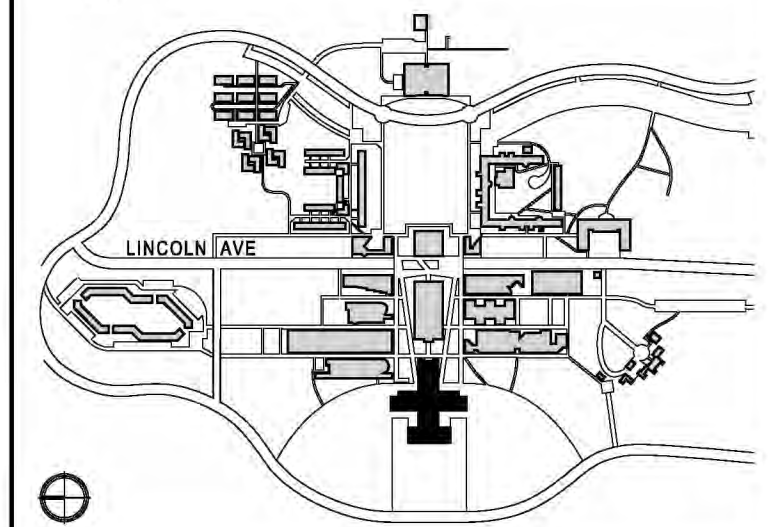
### ADMISSIONS CONFERENCE ROOM

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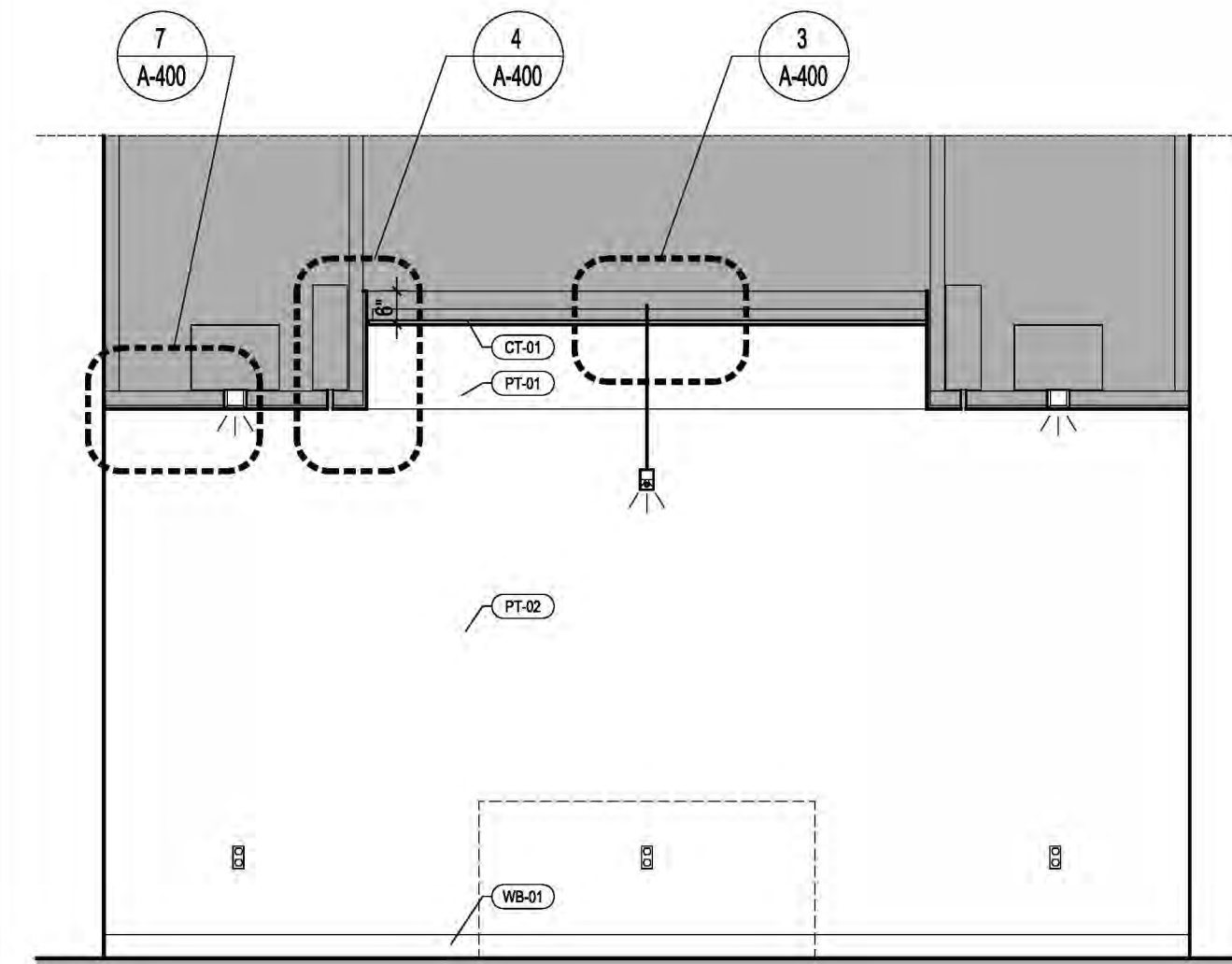
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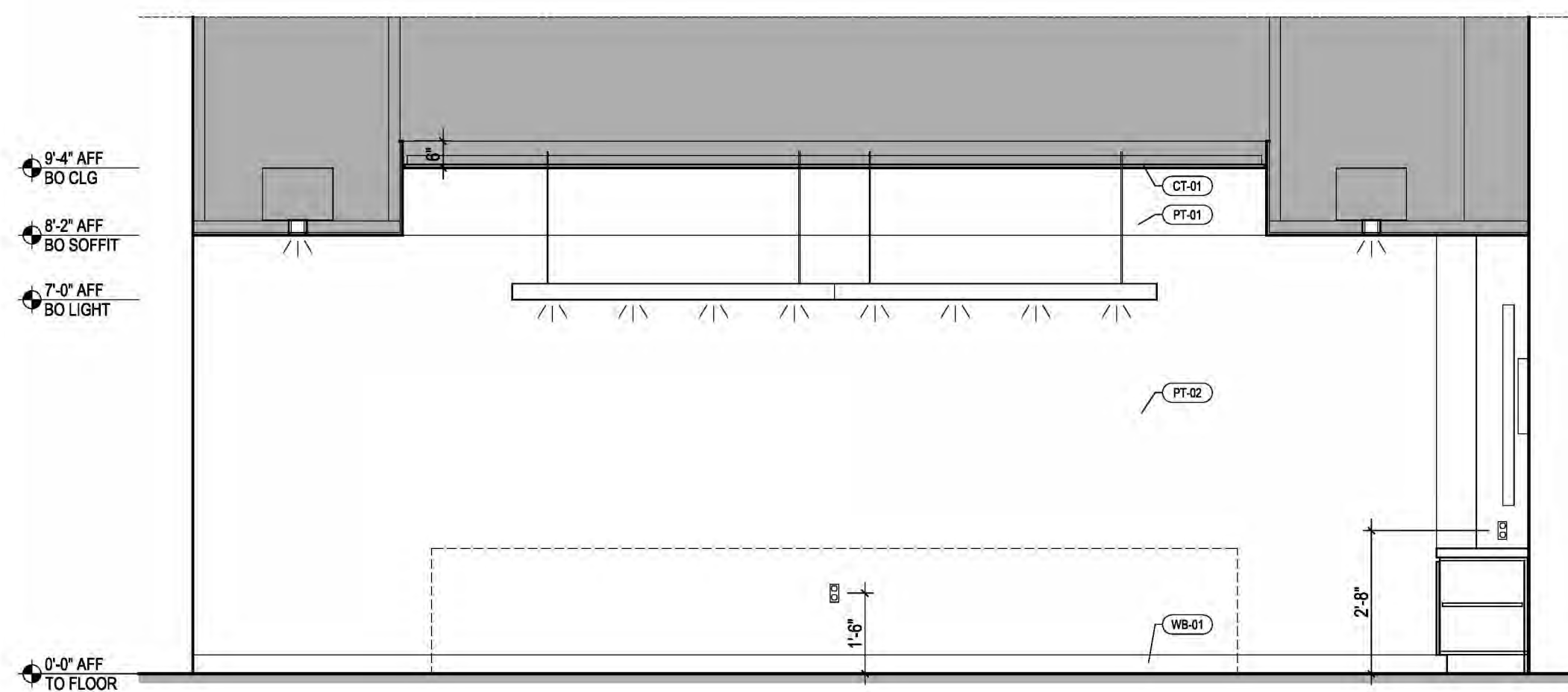
KEY PLAN



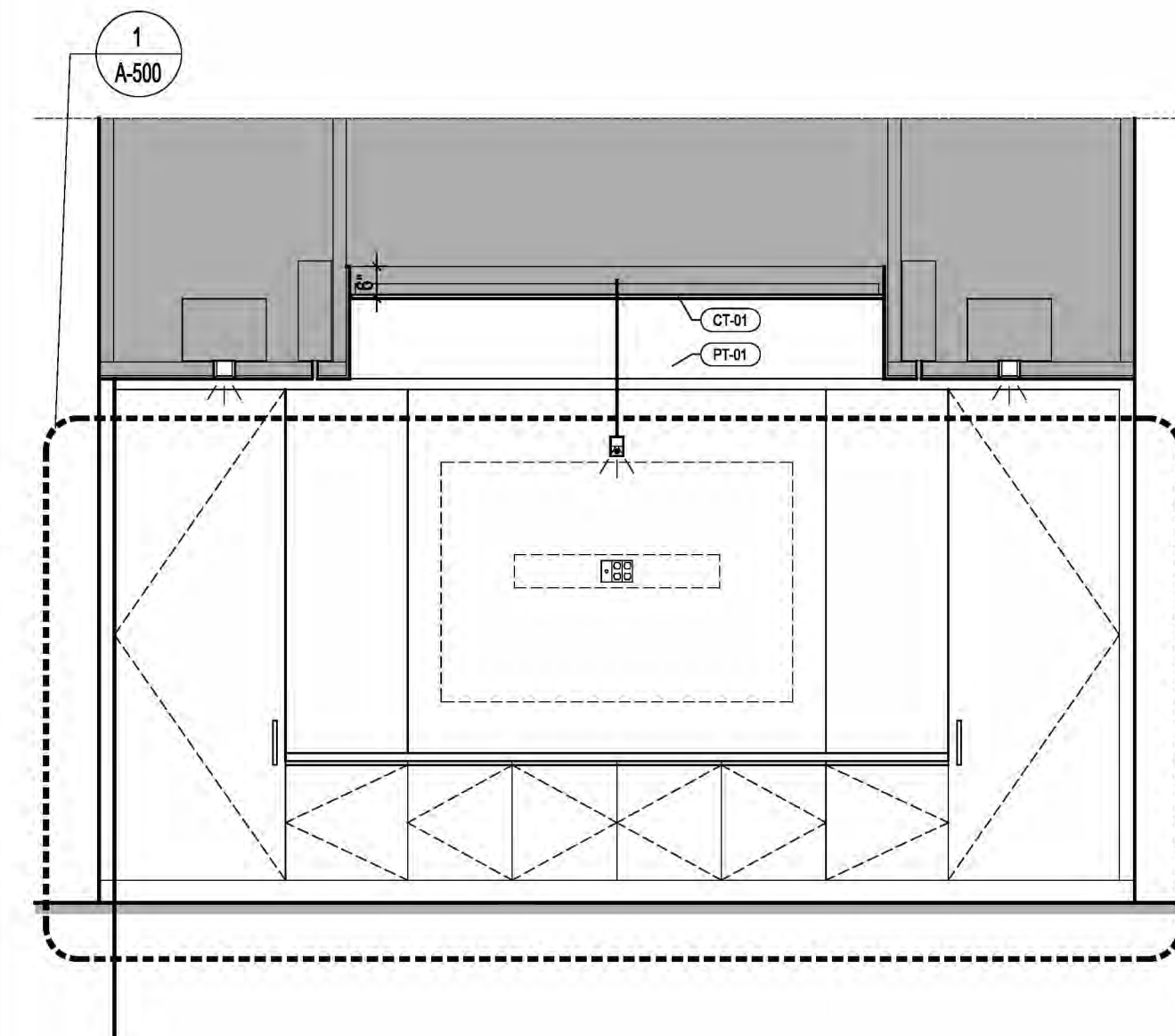
**1 CONFERENCE ROOM ELEVATION LOOKING EAST**  
 SCALE: 1/2" = 1'-0"



**2 CONFERENCE ROOM ELEVATION LOOKING SOUTH**  
 SCALE: 1/2" = 1'-0"



**3 CONFERENCE ROOM ELEVATION LOOKING WEST**  
 SCALE: 1/2" = 1'-0"



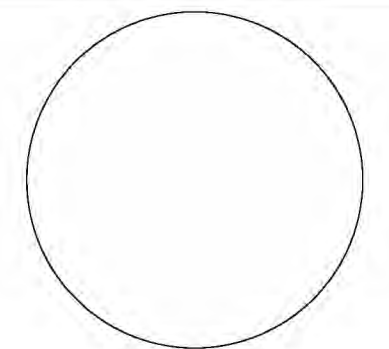
**4 CONFERENCE ROOM ELEVATION LOOKING NORTH**  
 SCALE: 1/2" = 1'-0"

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SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

### CONFERENCE ROOM ELEVATIONS

DRAWING NUMBER DRAWING 16 OF 22

# A-300.00

# PURCHASE COLLEGE

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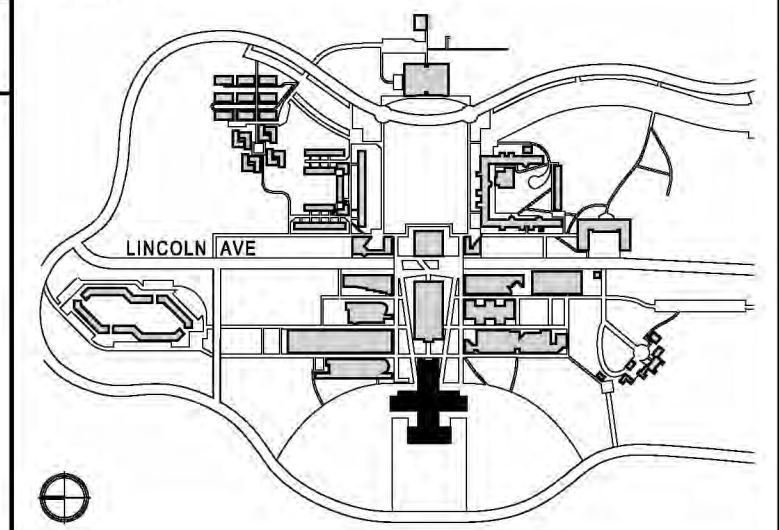
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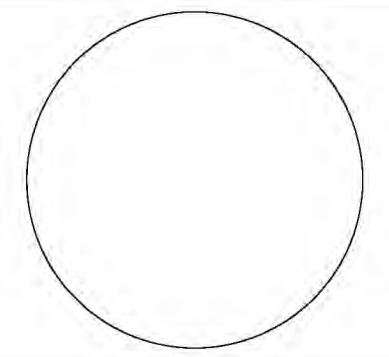


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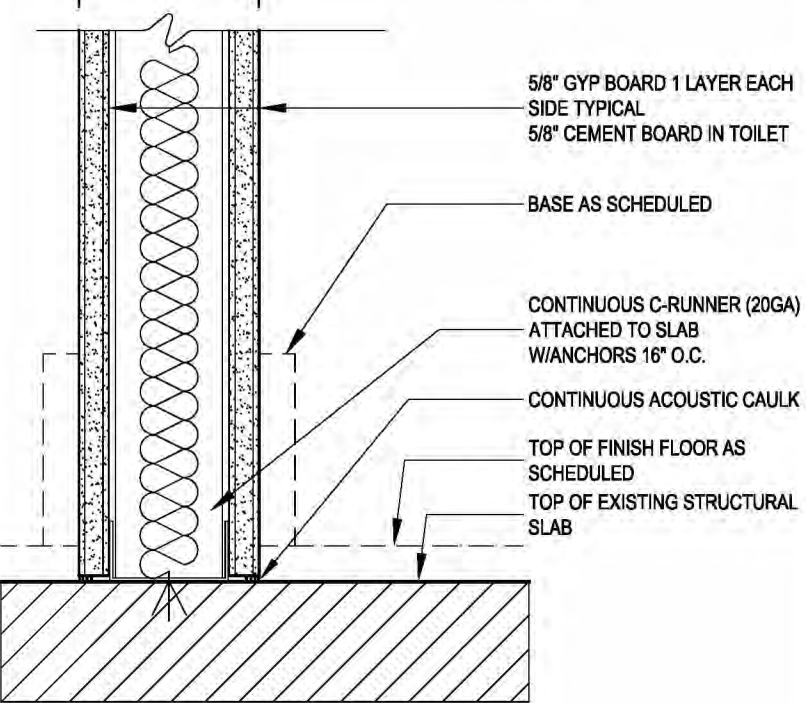
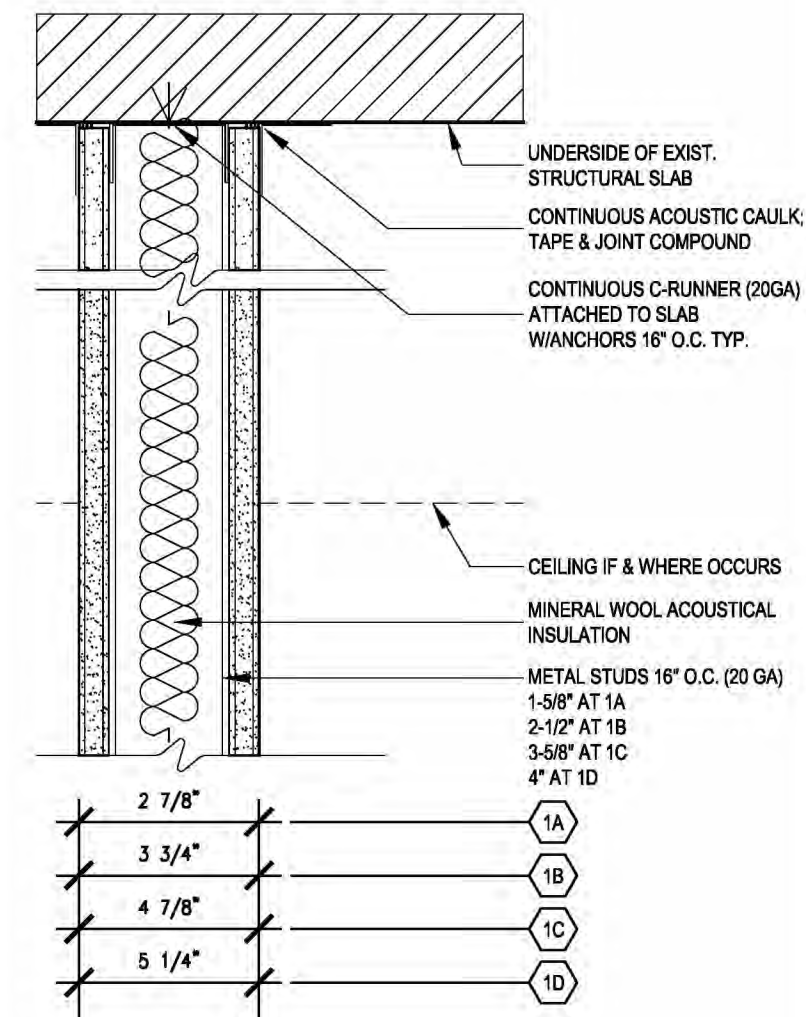
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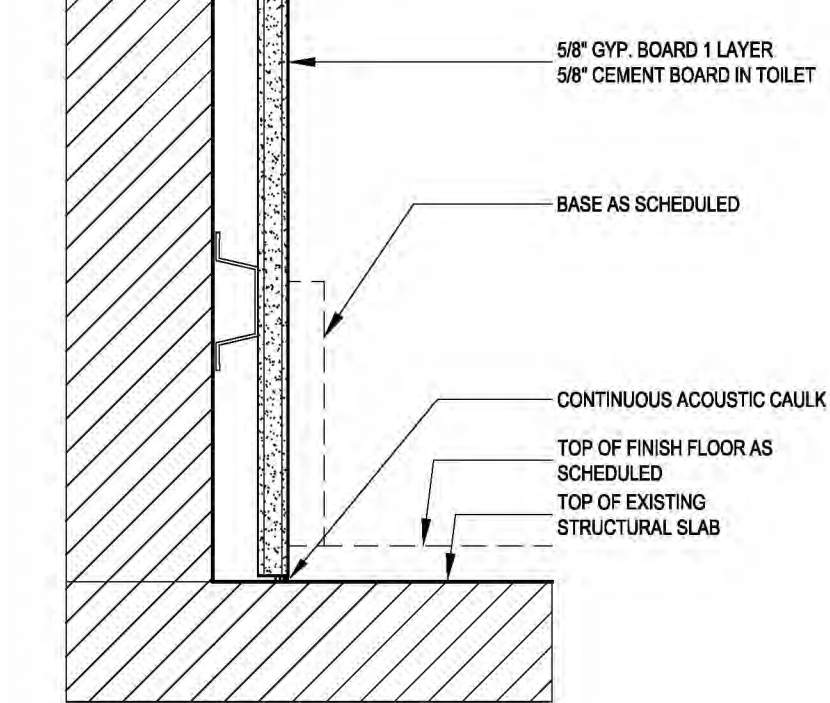
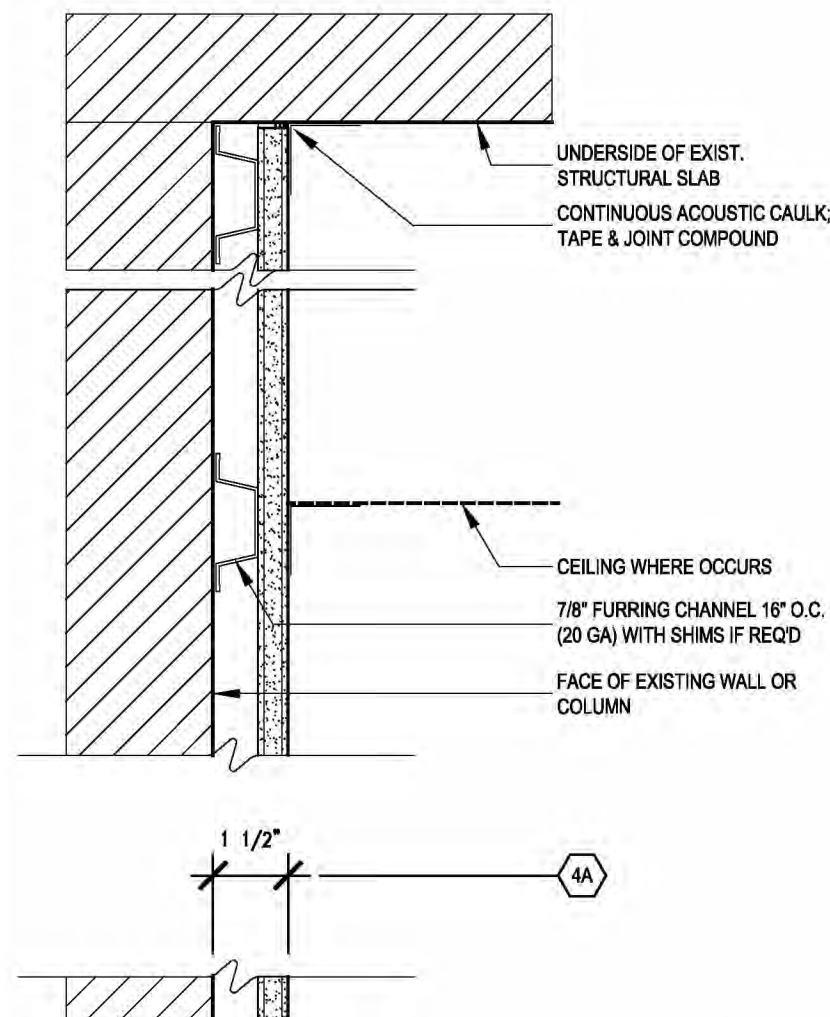
## PARTITION TYPES AND DETAILS, FLOOR AND CEILING DETAILS

DRAWING NUMBER DRAWING 17 OF 22

# A-400.00



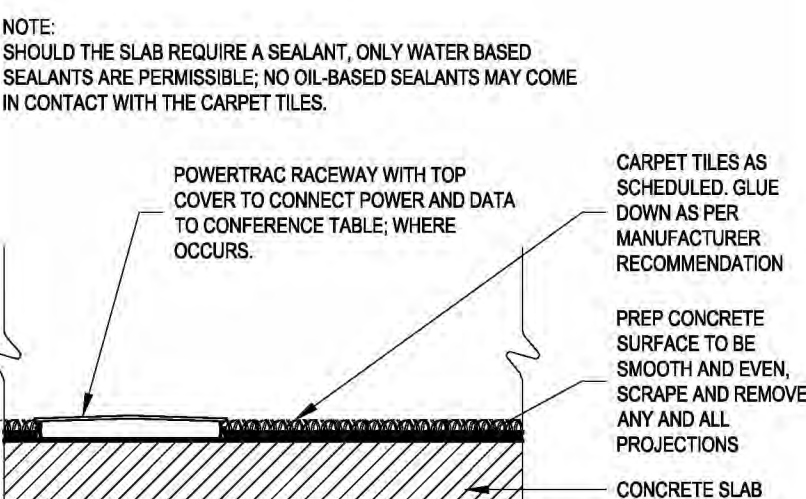
1 TYPE 1 - TYPICAL INTERIOR PARTITION



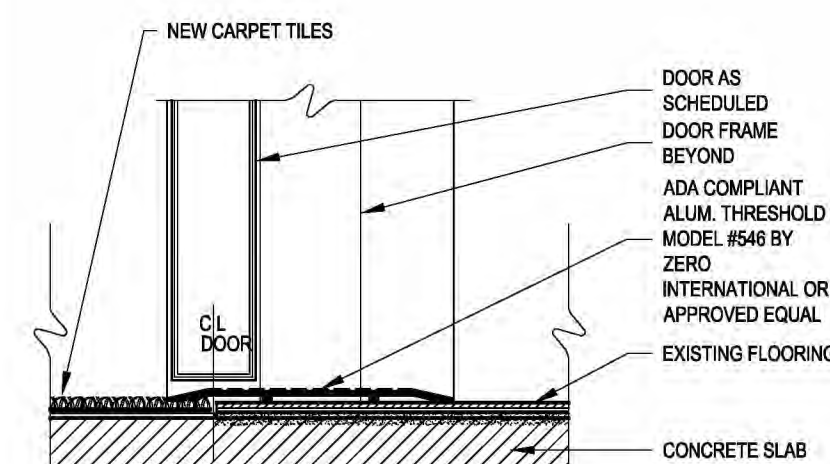
4 TYPE 4 - FURRING PARTITION

1 TYPICAL INTERIOR PARTITION  
 SCALE: 3" = 1'-0"

2 FURRING PARTITION  
 SCALE: 3" = 1'-0"

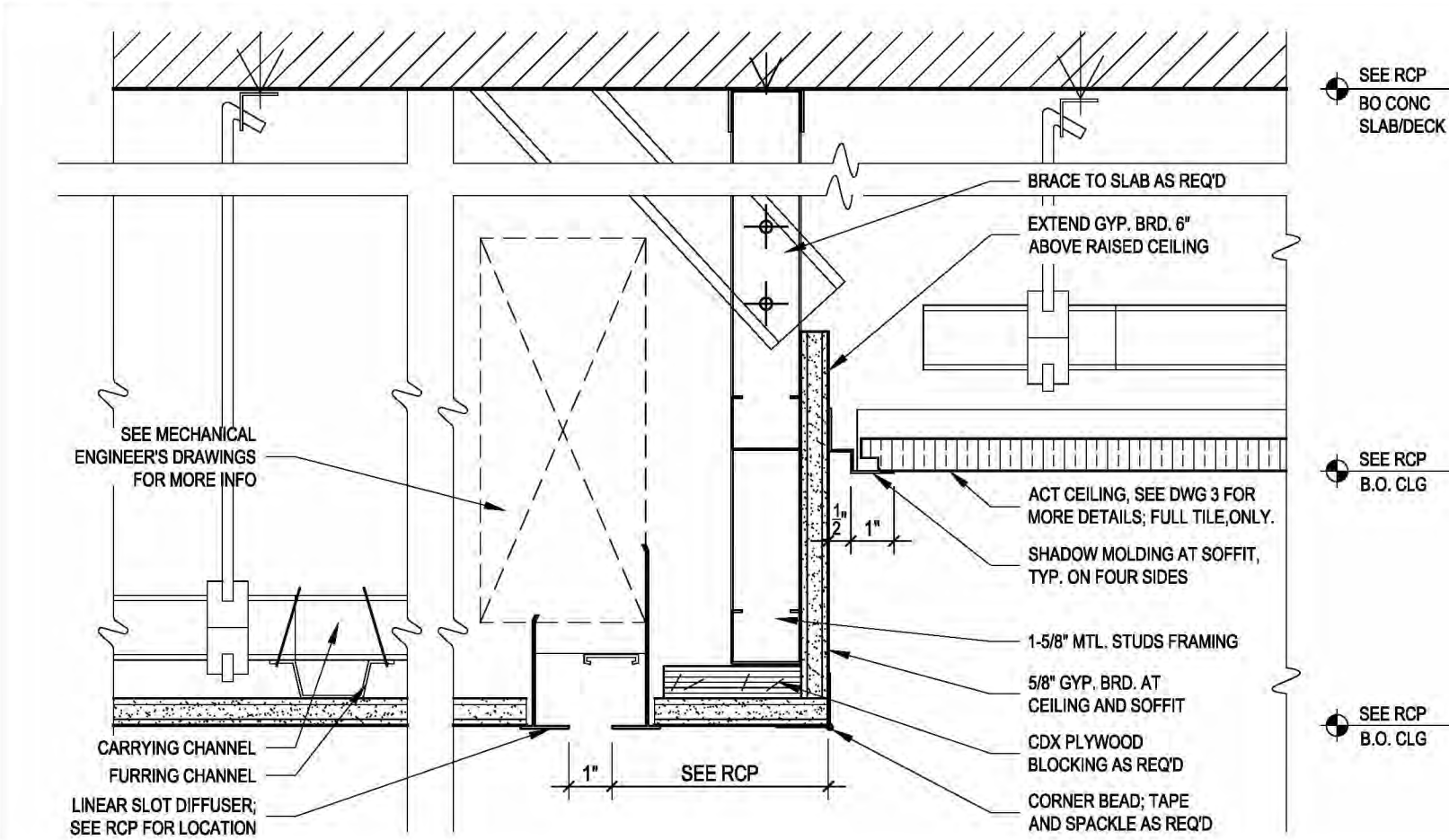


5 FLOOR DETAIL  
 SCALE: 3" = 1'-0"

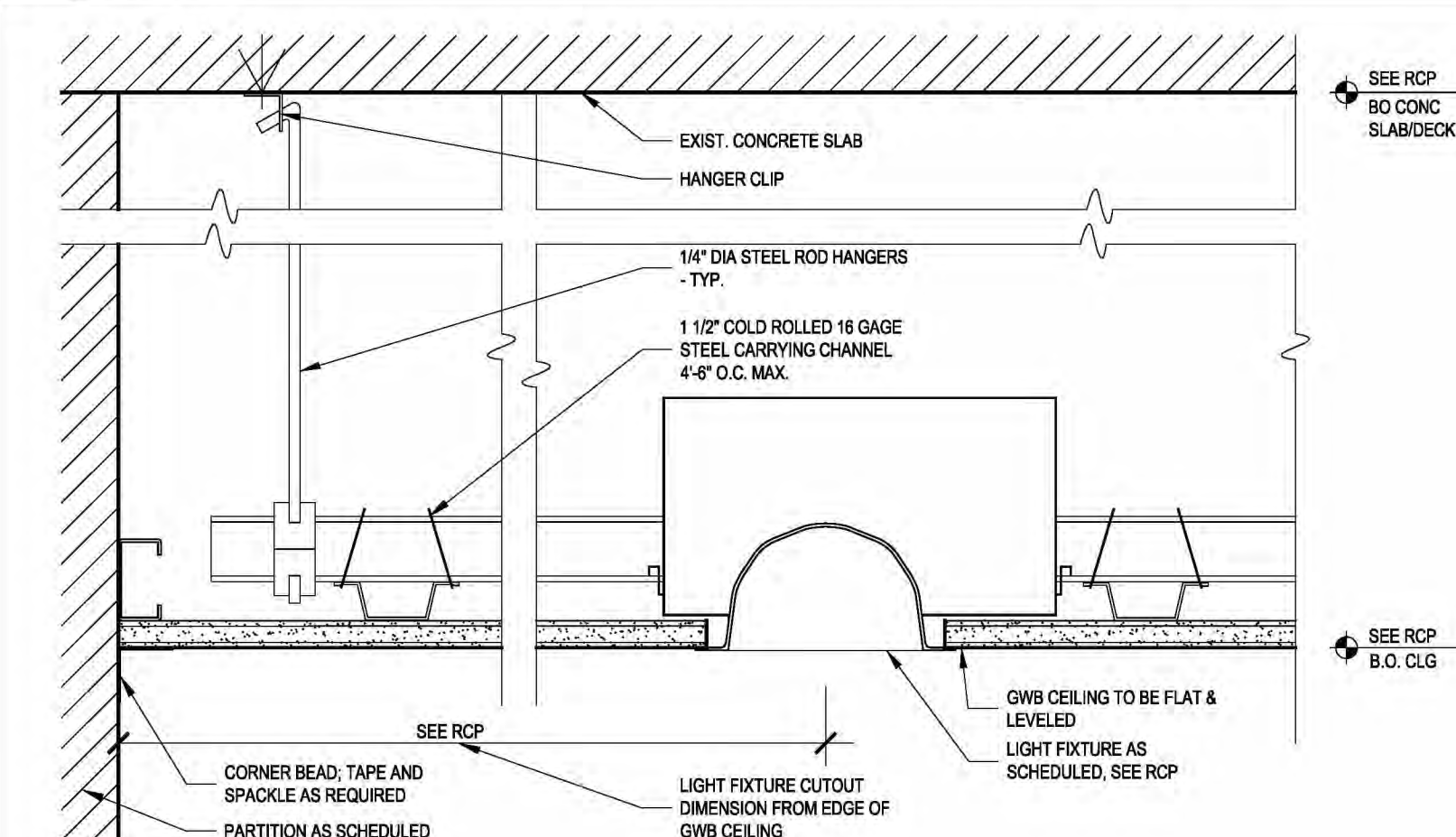


6 SADDLE DETAIL  
 SCALE: 3" = 1'-0"

3 ACOUSTIC CEILING TILE DETAIL  
 SCALE: 3" = 1'-0"



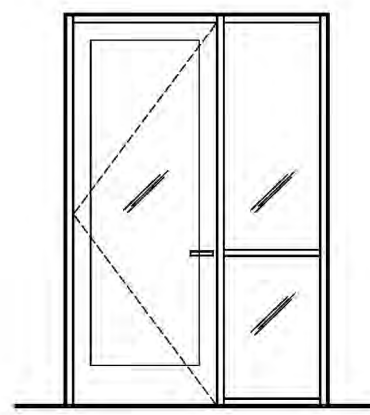
4 SOFFIT DETAIL  
 SCALE: 3" = 1'-0"



7 GYPSUM BOARD CEILING DETAIL  
 SCALE: 3" = 1'-0"

**1 DOOR TYPES AND SCHEDULES**

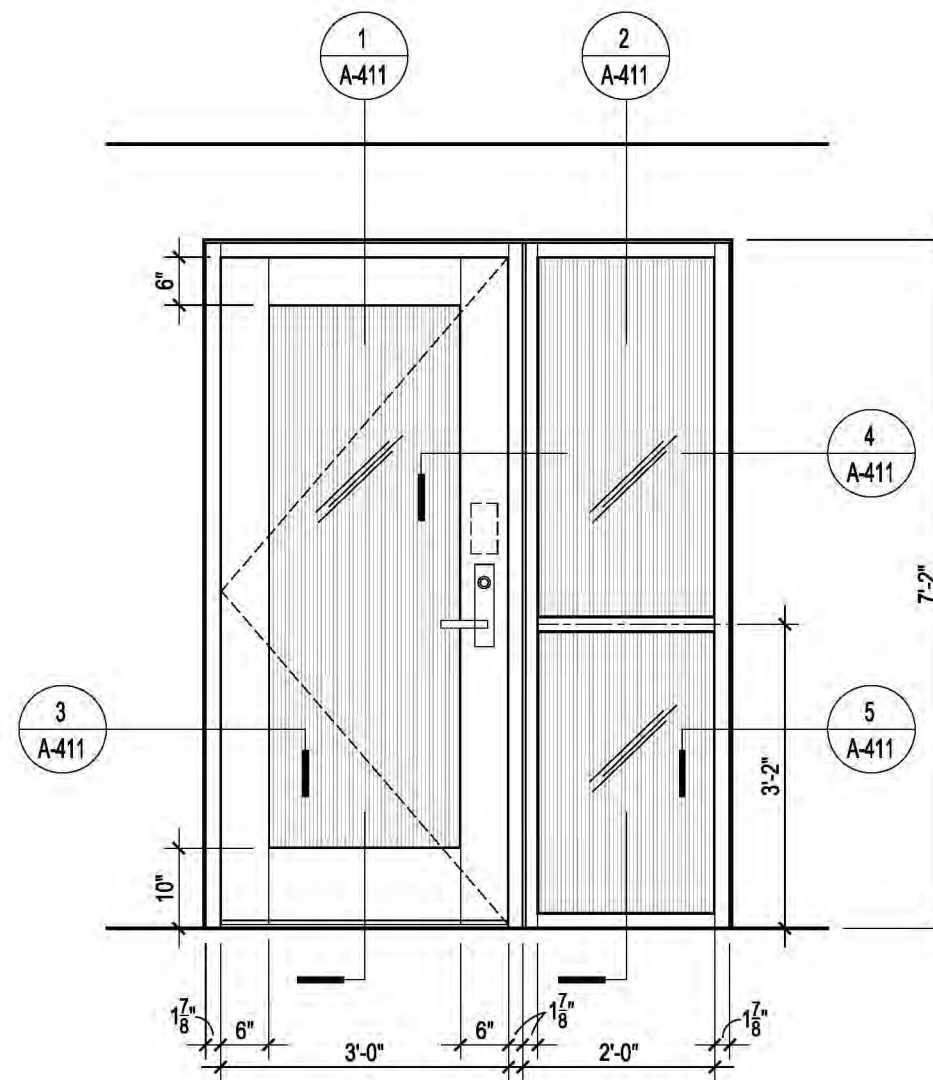
SCALE: 1/4" = 1'-0"



TYPE A - SINGLE LEAF DOOR W/ SIDELIGHT  
SEE DWG 2 A-410 FOR ELEVATION

**DOOR OPERATION:**

THIS IS AN INTERIOR DOOR. DOOR IS NORMALLY CLOSED AND LOCKED. ENTRY BY VALID CREDENTIAL AND KEYPAD MOMENTARILY UNLOCKING LEVER ALLOWING DOOR TO BE PULLED OPEN. ACCESS CONTROL SYSTEM CAN UNLOCK ALL DEVICES DURING EVENTS. DOOR IS MONITORED BY DOOR POSITION SWITCH, LATCH BOLT MONITORING, AND REQUEST TO EXIT SWITCH (BUILT INTO THE LOCKSET). FREE EGRESS AT ALL TIMES BY MANUALLY TURNING LEVER ON THE ROOM SIDE AND PUSHING DOOR OPEN IN PATH OF TRAVEL. POWER OUTAGE PUTS DOOR IN FAIL SECURE POSITION, WITH KEY UNLOCKING FROM OUTSIDE.



**DOOR SCHEDULE**

LOCATION	UL LISTING (HOURS)	DOOR NO	JAMB OPENING		MATERIAL		DETAILS			DOOR		REMARKS
			WIDTH	HEIGHT	DOOR	FRAME	HEAD	JAMB	SILL	TYPE	HDW	
ENTRY	-	01	3'-0"	7'-0"	GL	MT	1/A-411	3+4/A-411	-	A	HW-01	COORDINATE LOCK & SECURITY W/ THE COLLEGE

**DOOR HARDWARE SCHEDULE**

H-WRE SET	Q-TY	DESCRIPTION	MODEL NO.	MANUFACTURER	FINISH	NOTES
<b>HW-01</b> FURNISHED & INSTALLED BY CONTRACTOR	1 EA.	CONTINUOUS HD HINGE	SL-11HD EPT	SELECT HINGES	DRK BRONZE	COORDINATE W/POWER TRANSFER SEE NOTE #1 ROOM SIDE MOUNT
	1 EA.	CYLINDER CORE	SEE CAMPUS	BEST	626	
	1 EA.	CLOSER	4040XP SERIES	LCN	690	
	1 EA.	CONCEALED OVERHEAD STOP	100 SERIES	GLYNN JOHNSON	US32D	
	1 EA.	PoE POWER TRANSFER	CEPT-C5E	SECURITRON	690	
FURNISHED & INSTALLED BY CAMPUS	1 EA.	WIRE HARNESS	PoE-C306RJ	MCKINNEY	GRAY BLACK	SEE NOTE #3 AND #5 SEE NOTE #4 AND #5
	1 EA.	WIRE HARNESS	PoE-C1300RJ	MCKINNEY		
	3 EA.	SILENCERS	SR64	IVES		
	1 EA.	WEATHERSTRIPPING	870, 488S, 365	ZERO		
FURNISHED & INSTALLED BY CAMPUS	1 EA.	PoE IN-220 MORTISED LOCKSET	70-82278-BIPS-MBLNME	SARGENT	GRAY BLUE	BY SECURITY INTEGRATOR WITH BACKPLATE & LOCK; BY SECURITY INTEGRATOR BY SECURITY INTEGRATOR
	1 EA.	SECURITY ENCL. BOX	N-1 8X8X6	WIEGMANN		
	4 EA.	CAT6A CABLES	TO IDR ROOM			

**NOTES**

- #1 THE CONTRACTOR TO GIVE CAMPUS CORE ACCOUNT NUMBER SO CAMPUS LOCKSMITH CAN ORDER CORES AND KEYS DIRECTLY FROM BEST.
- #2 POWER SUPPLY BOX TO BE INSTALLED ON SECURE SIDE OF DOOR ABOVE ACCESSIBLE CEILING. WHERE NO CEILING, INSTALL BOTTOM OF BOX AT 8'-0". WHERE AT HARD CEILING, INSTALL ACCESS PANEL FOR ACCESS TO POWER SUPPLY BOX.
- #3 WIRE HARNESS FROM POWER TRANSFER TO LOCKSET.
- #4 WIRE HARNESS FROM POWER TRANSFER TO SECURITY ENCLOSURE BOX.
- #5 CONTRACTOR TO TEST SIGNAL CONNECTIVITY AND PROPER ELECTRICAL & MECHANICAL OPERATION OF THE HARDWARE

**REMARKS**

1. EXISTING DOORS AND TRANSOM WHICH ARE SCHEDULED TO REMAIN SHALL BE PROTECTED AS REQUIRED DURING THE CONSTRUCTION.
2. ALL DOORS TO BE PAINTED WITH PAINT IN SEMI-GLOSS FINISH; SEE ELEVATIONS FOR COLOR DETAILS.
3. SEE ENGINEER'S DRAWINGS AND SPECIFICATIONS FOR UNDERCUT REQUIREMENTS.
4. ALL WORK TO BE ADA COMPLIANT.
5. WALKING SURFACES AND DOORS ARE COMPONENTS OF ACCESSIBLE ROUTE, AND SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF CHAPTER 4 OF ADA STANDARDS.
6. DOOR OPENING SHALL PROVIDE CLEAR WIDTH OF 32" MIN. CLEAR DOOR OPENING SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH DOOR OPEN 90 DEGREES.
7. AS PER 404.2.2 DOUBLE LEAF DOORS - AT LEAST ONE OF THE ACTIVE DOORWAYS SHALL COMPLY WITH 404.2.3 AND 404.2.4
8. DOOR HARDWARE TO ALLOW DOOR OPENING FORCE TO BE 5LB MAX.
9. RAISED THRESHOLD TO BE MAXIMUM 1/2" IN HEIGHT, AND SHALL COMPLY WITH 302 AND 303 CHAPTERS OF 2010 ADA STANDARDS.
10. MANUAL DOORS ON ACCESSIBLE ROUTE MUST HAVE A SMOOTH SURFACE ON THE PUSH SIDE WITH NO PROTRUDING HARDWARE WITHIN 10" OF THE FLOOR OR GROUND.
11. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES (865 MM) ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES AND 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES.

**2 DOOR ELEVATION**

SCALE: 1/2" = 1'-0"

**PROJECT DETAILS NOTES**

**FRAME AND AND TRIM DETAILS**

FRAMES	METAL - ALUMINUM	POWDER COATED # DPM54
		COLOR - CAST METALLIC
GLASS	1/2" CLEAR TEMPERED SAFETY GLASS	
PROVIDER	DIRTT	
EXTRUSION PROFILE	RECTILINEAR, POWDER COATED-CAST	
BASE TRIM COLOR	BLACK	
PVC/GLASS WIPE COLOR	BLACK	
REVEAL	CLASSIC	
FLOOR TYPE	CARPET - CONFERENCE ROOM	
	VT TILE - CORRIDOR	
CEILING TYPE	DRYWALL - CONFERENCE ROOM	
	ACT - CORRIDOR	
DOORS	FRAMED GLASS DOORS W/6" STILE	
ADDITIONAL NOTES	ALL DIMENSIONS TO BE VERIFIED IN FIELD BEFORE ORDER	

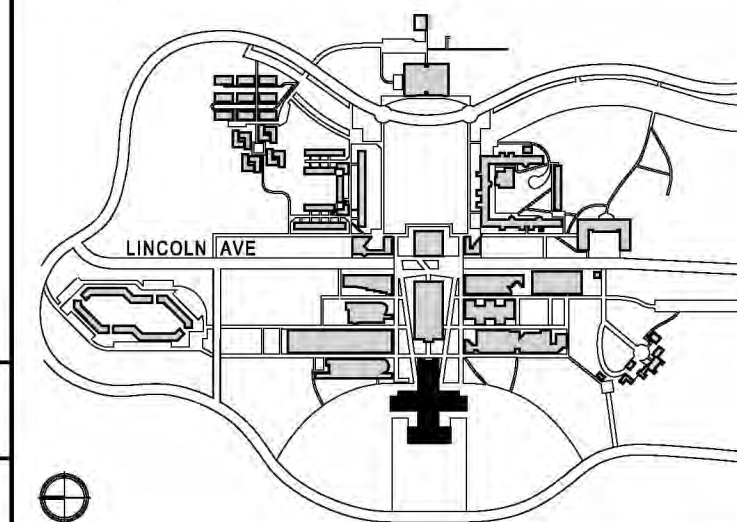
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**KEY PLAN**

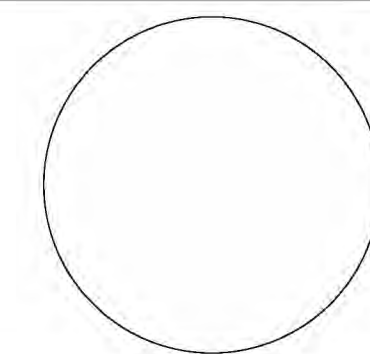


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CONTRACT NUMBER SU 022626  
CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

**DOOR TYPES AND DOOR & HARDWARE SCHEDULE**

DRAWING NUMBER DRAWING 18 OF 22

**A-410.00**

# PURCHASE COLLEGE

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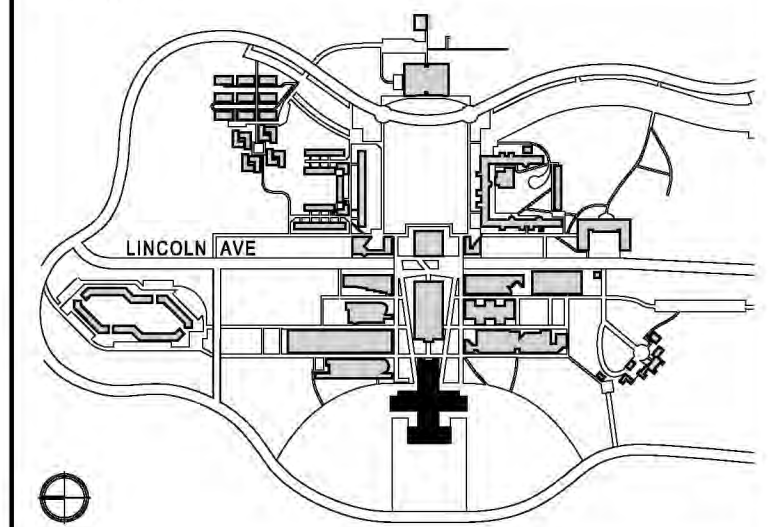
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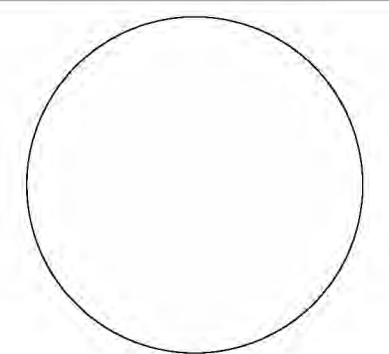


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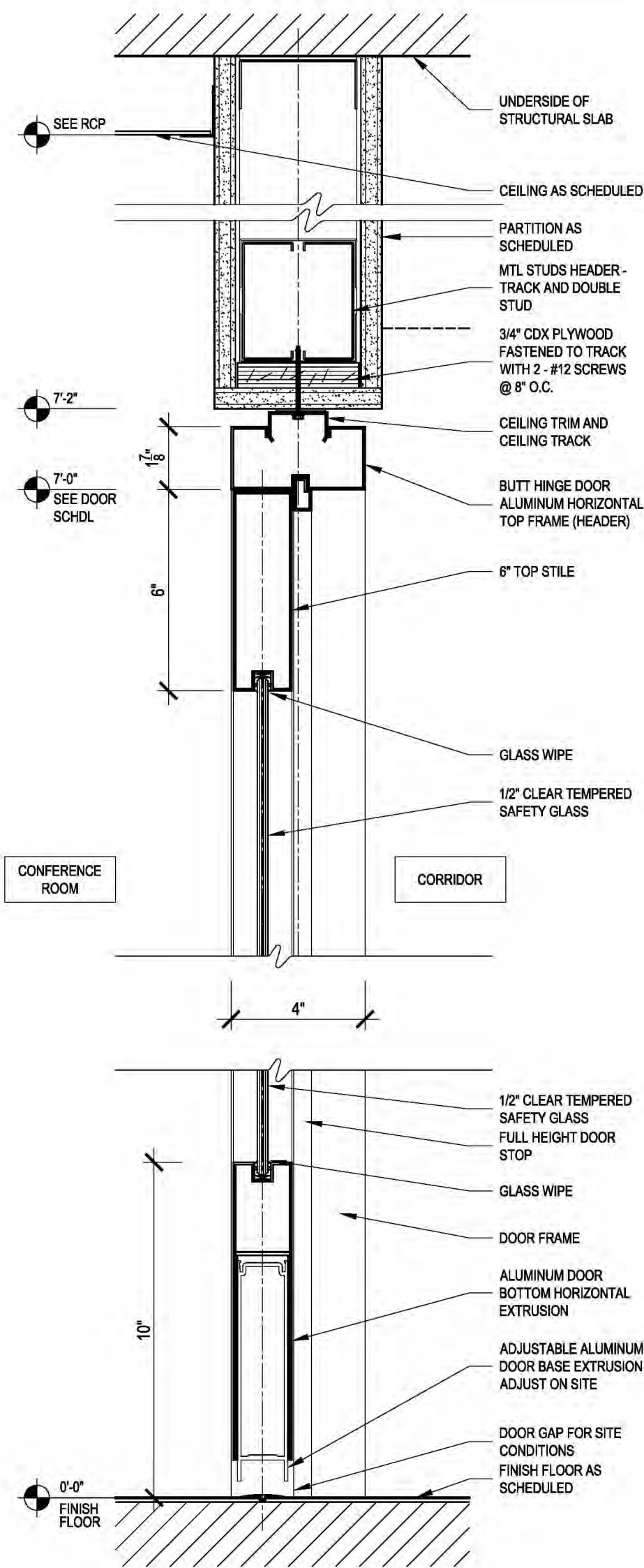
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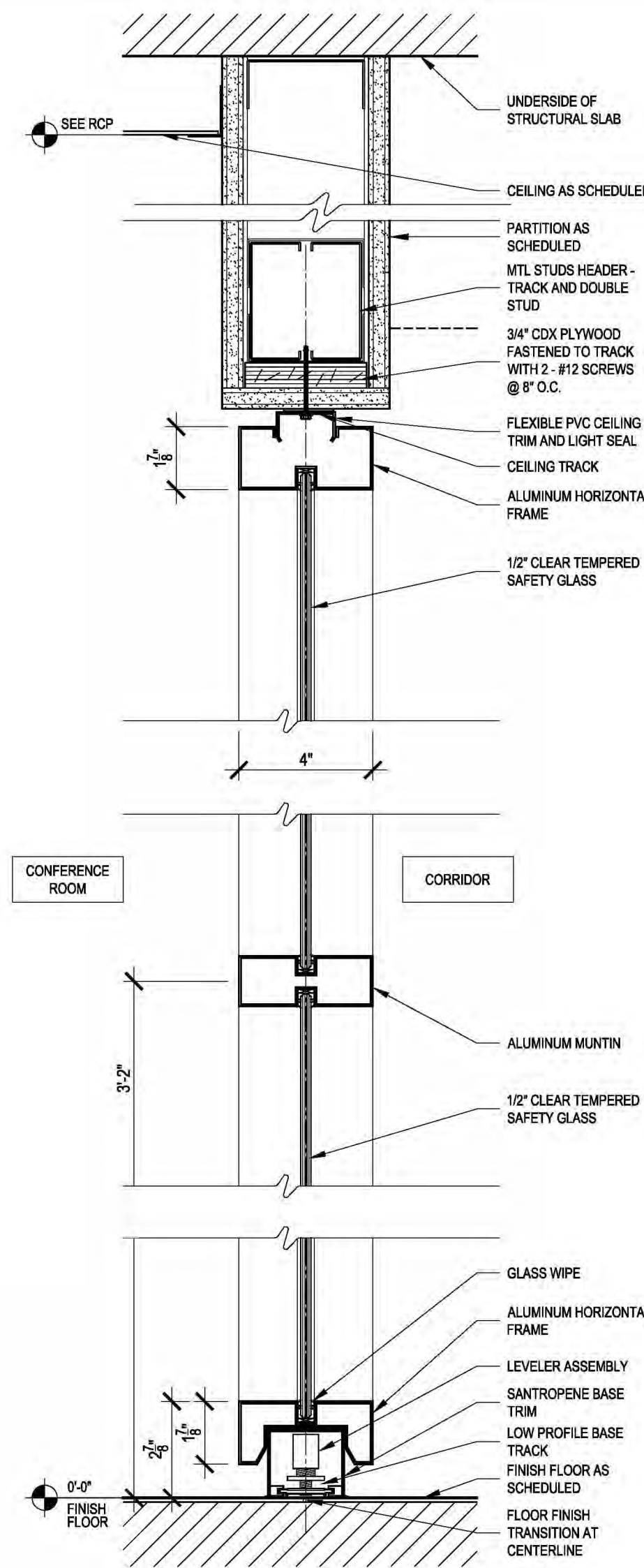
### DOOR & SIDE-LIGHT DETAILS

DRAWING NUMBER DRAWING 19 OF 22

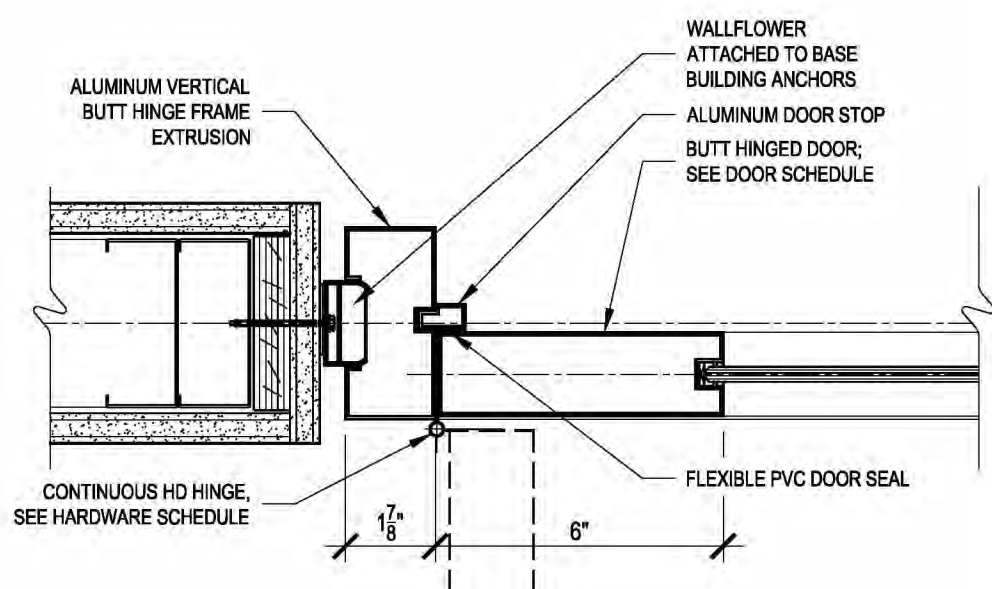
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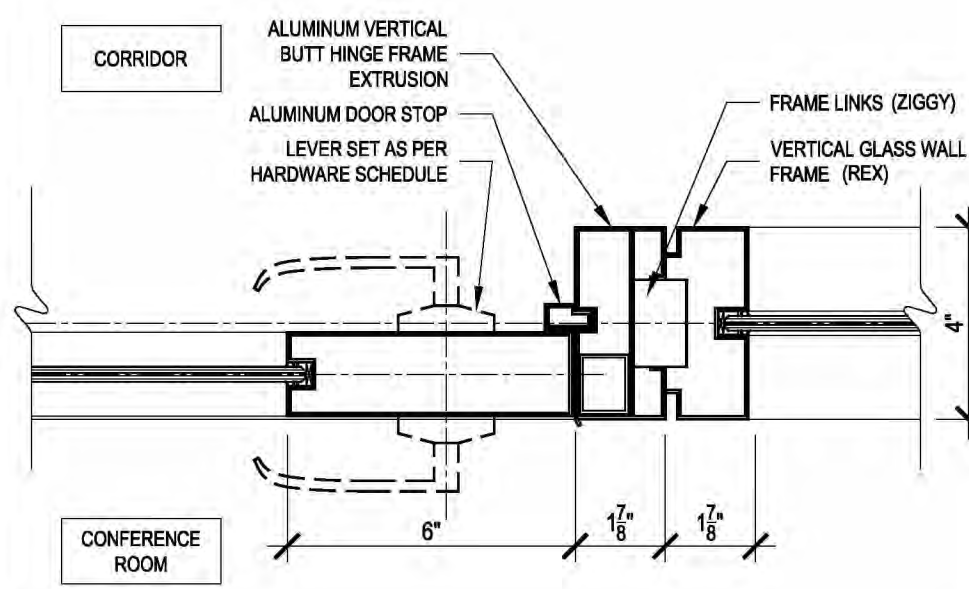
**1 SECTION DETAIL THROUGH DOOR**  
 SCALE: 3" = 1'-0"



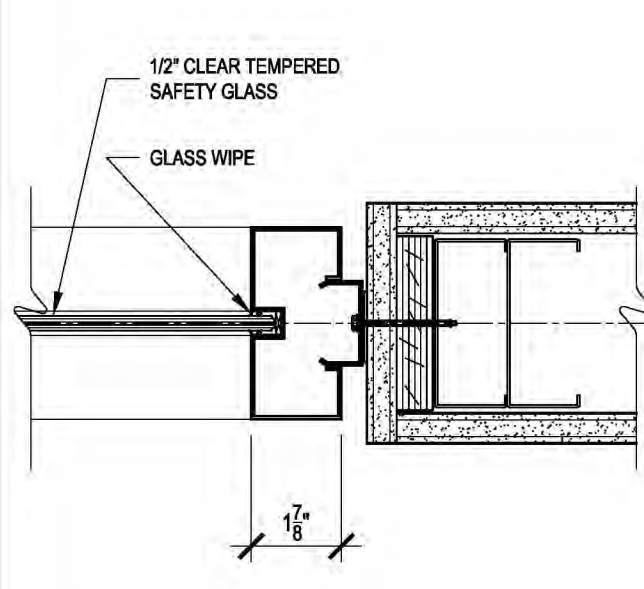
**2 SECTION DETAIL THROUGH SIDE-LIGHT**  
 SCALE: 3" = 1'-0"



**3 DOOR JAMB DETAIL - HINGE SIDE**  
 SCALE: 3" = 1'-0"



**4 DOOR JAMB DETAIL - LEVER SIDE**  
 SCALE: 3" = 1'-0"



**5 SIDE-LIGHT JAMB DETAIL**  
 SCALE: 3" = 1'-0"

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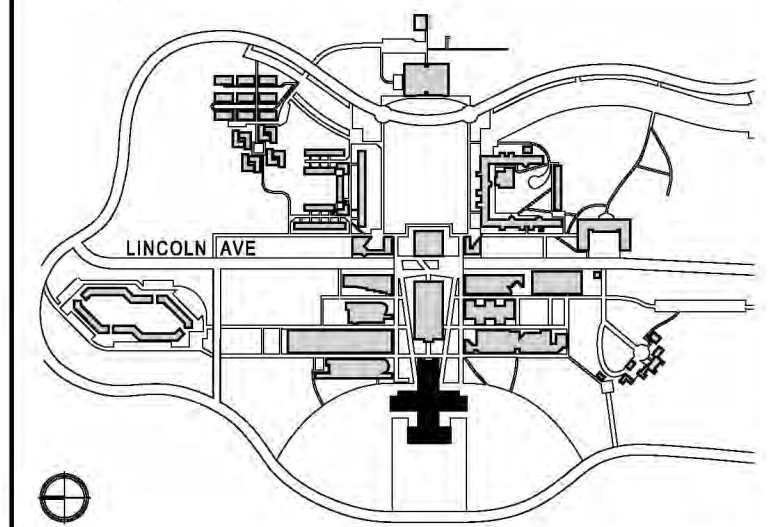
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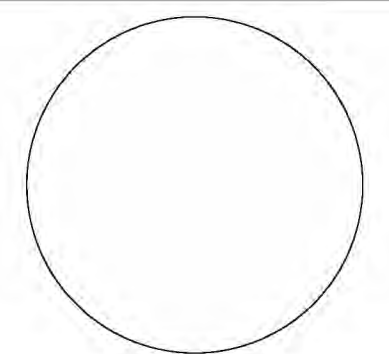


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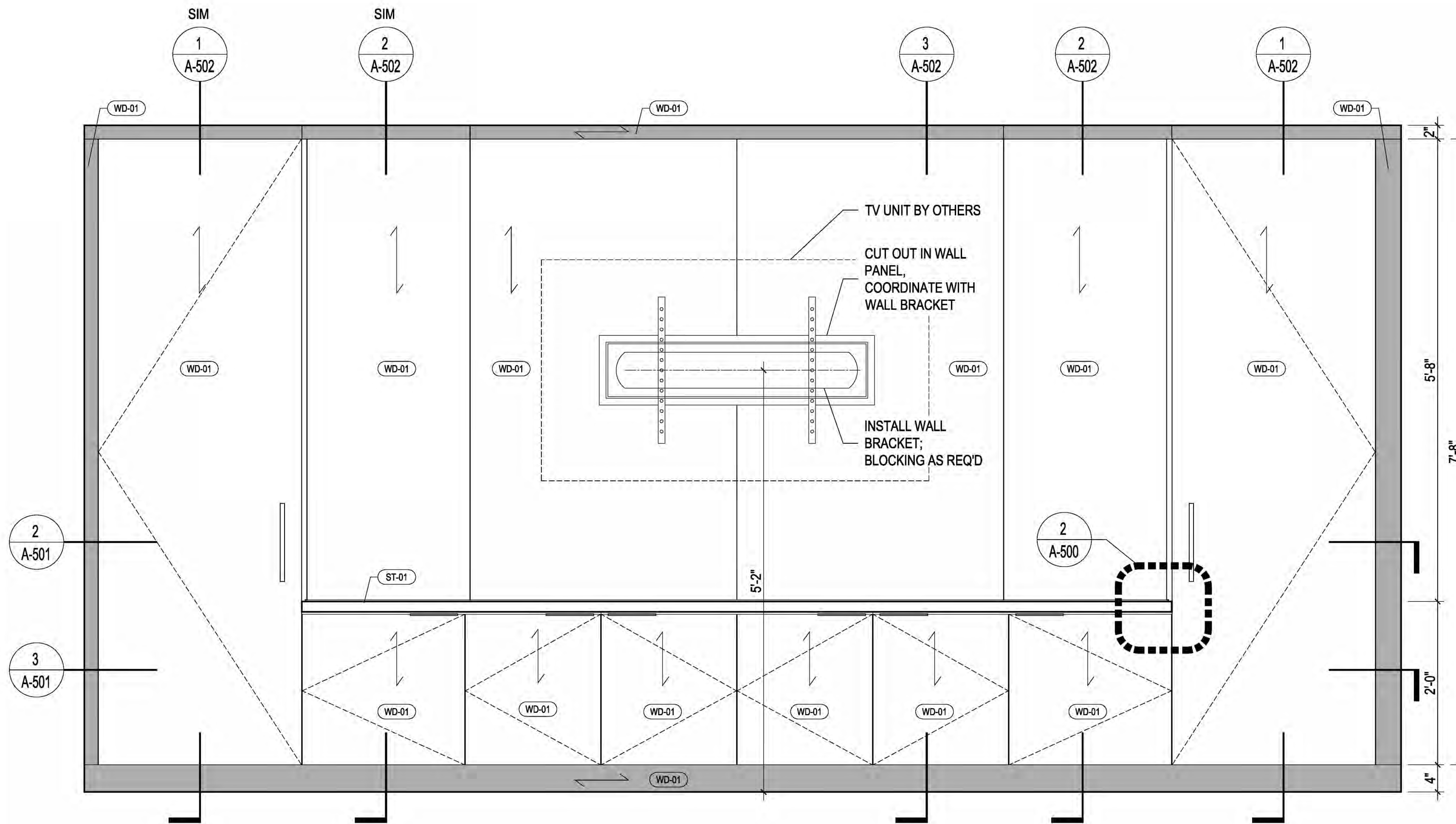
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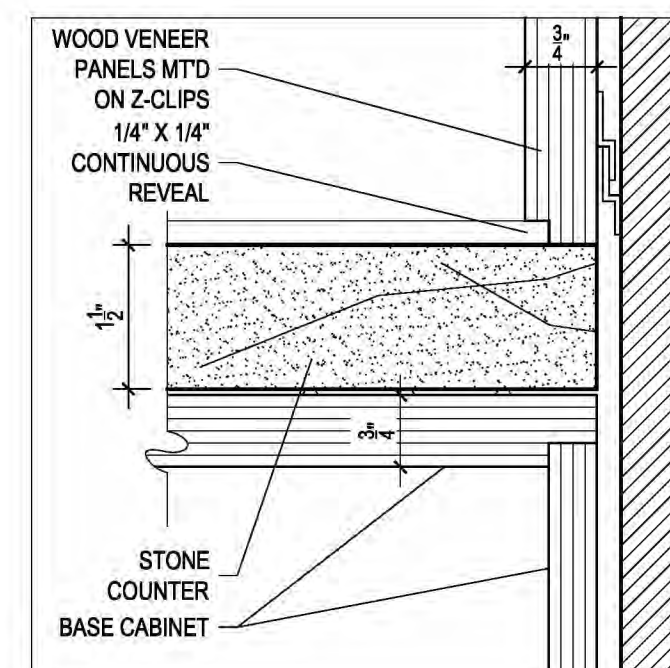
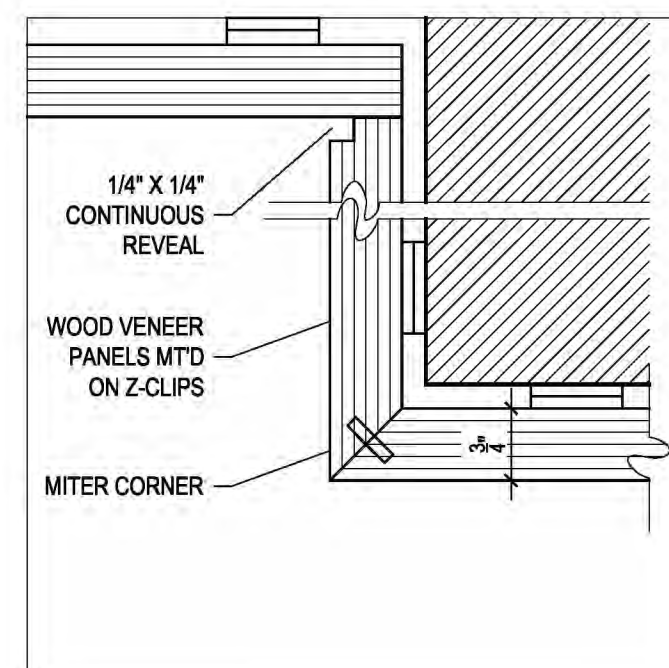
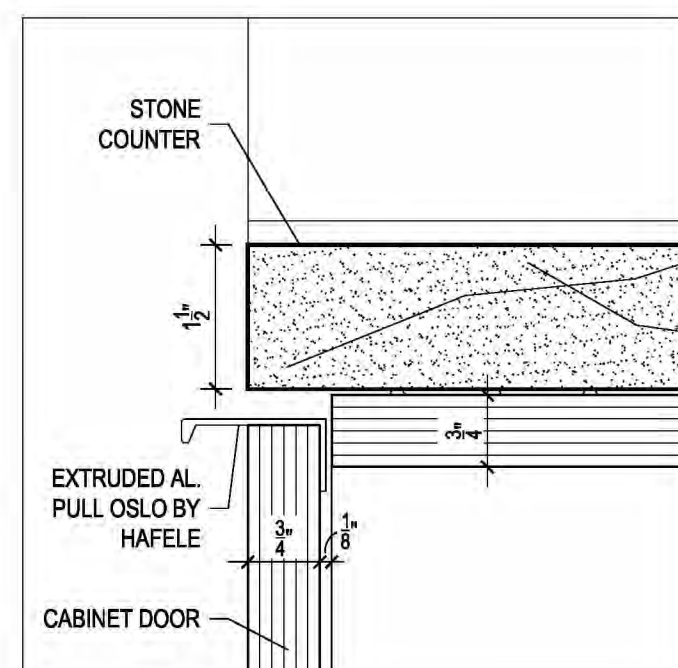
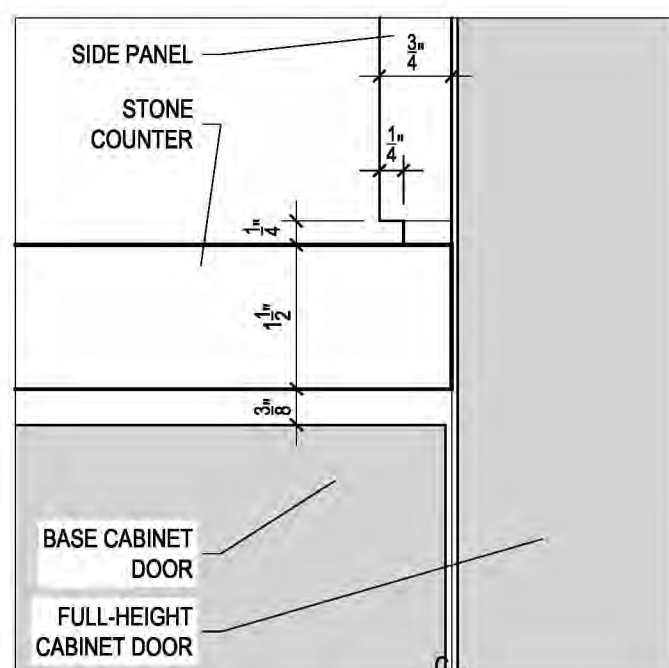
**MILLWORK DETAILS**  
**CREENZA**

DRAWING NUMBER DRAWING 20 OF 22

**A-500.00**



**1 ELEVATION OF THE CREENZA AND BUILT-IN CABINETS**  
 SCALE: 1" = 1'-0"



**2 ELEVATION DETAIL**  
 SCALE: 6" = 1'-0"

**3 SECTION DETAIL**  
 SCALE: 6" = 1'-0"

**4 PLAN SECTION DETAIL**  
 SCALE: 6" = 1'-0"

**5 SECTION DETAIL**  
 SCALE: 6" = 1'-0"

# PURCHASE COLLEGE

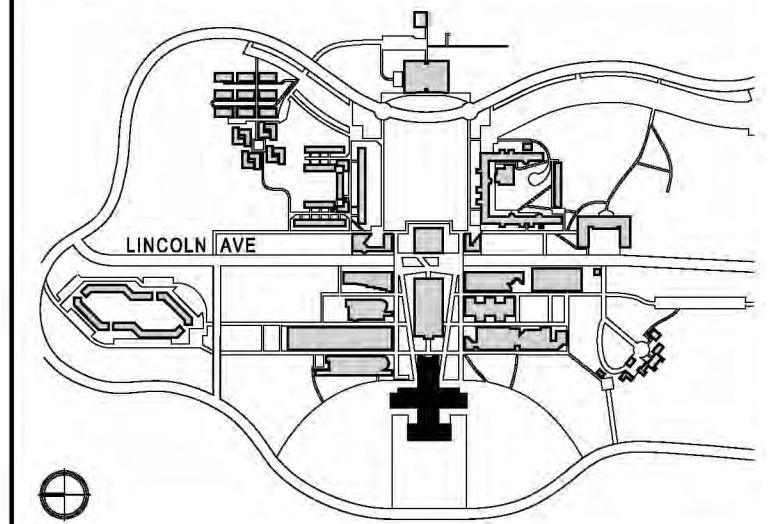
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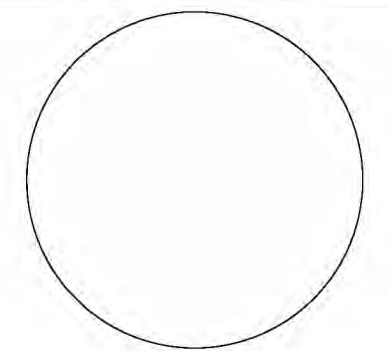


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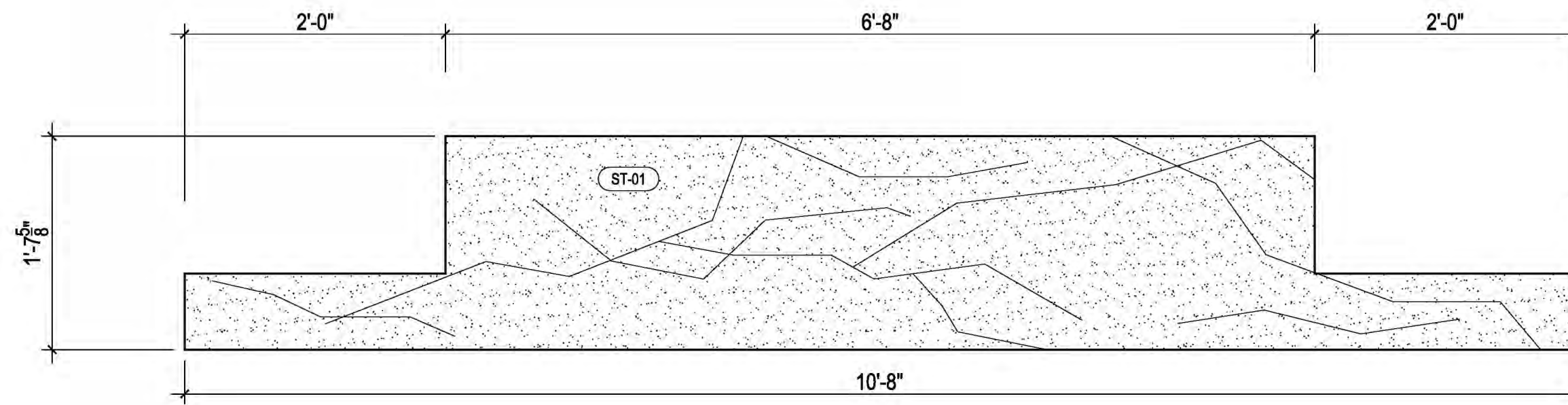
SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

**MILLWORK DETAILS  
CREDENZA**

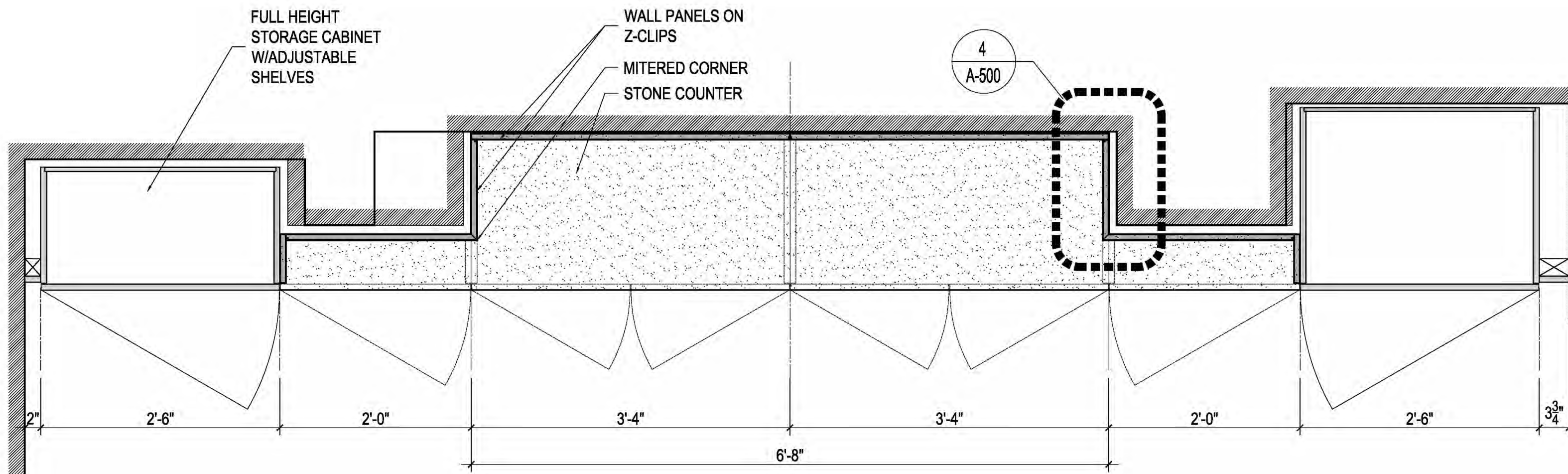
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**A-501.00**

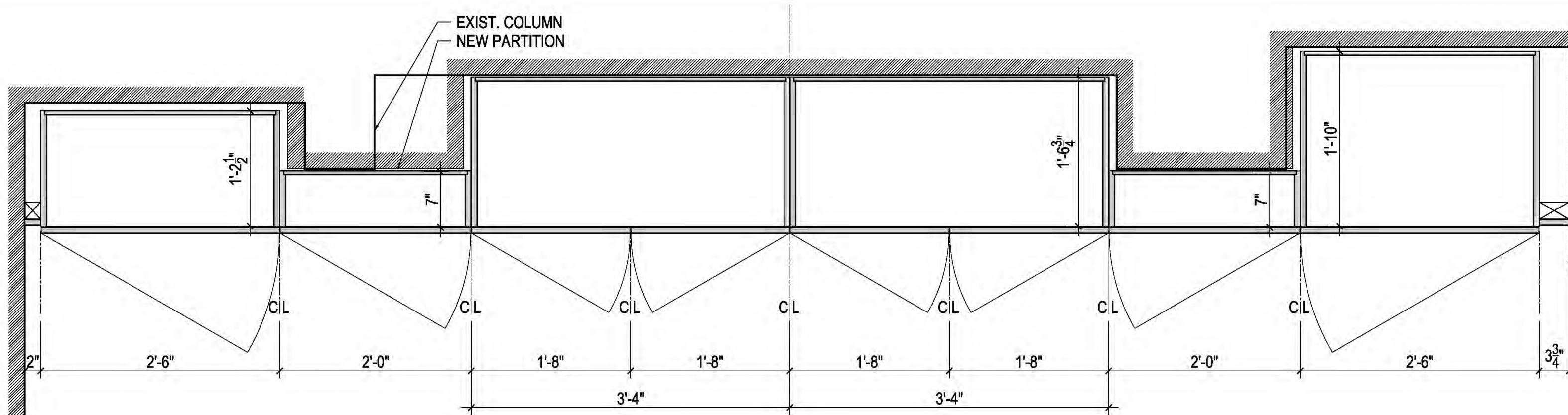


NOTE:  
THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, INCLUDING STONE, IN FIELD PRIOR TO FABRICATION.

**1 STONE SLAB COUNTER AT CREDENZA**  
SCALE: 1" = 1'-0"



**2 PLAN DETAIL OF THE CREDENZA AND STORAGE CABINETS ABOVE COUNTER**  
SCALE: 1" = 1'-0"



**3 PLAN DETAIL OF THE CREDENZA AND STORAGE CABINETS BELOW COUNTER**  
SCALE: 1" = 1'-0"

# PURCHASE COLLEGE

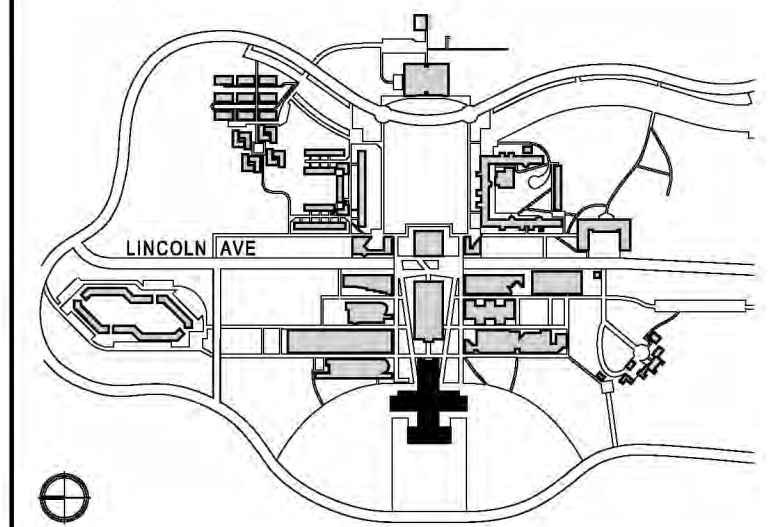
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KEY PLAN

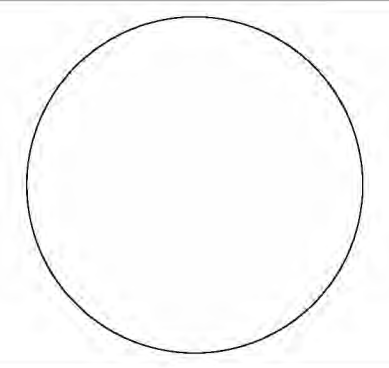


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## BID ISSUE

SEAL:



NO	DATE	DESCRIPTION	ISSUES
03	07.22.2025	ISSUED FOR BID	
02	09.28.2024	90% CD ISSUED FOR CLIENT APPROVAL	
01	07.20.2024	ISSUED FOR CLIENT REVIEW	

CONTRACT NUMBER SU 022626  
CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

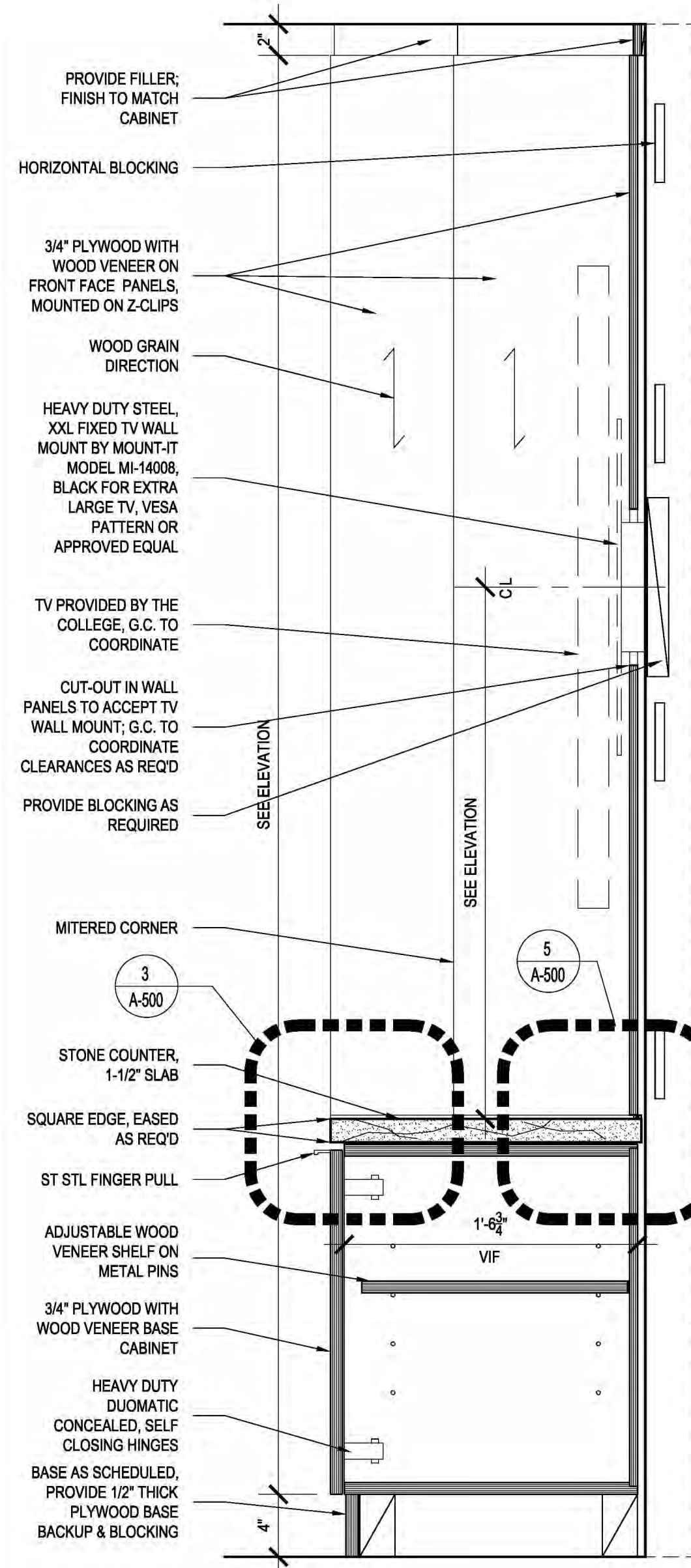
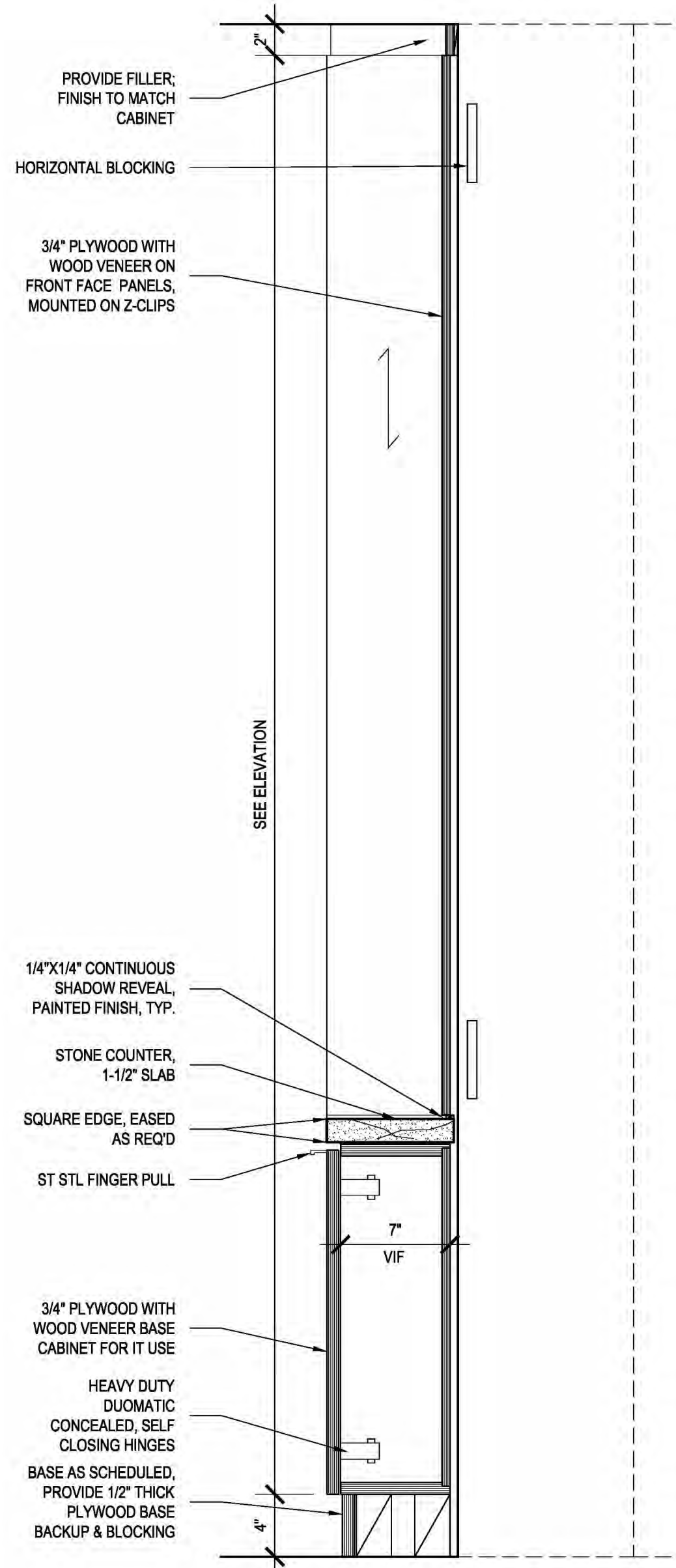
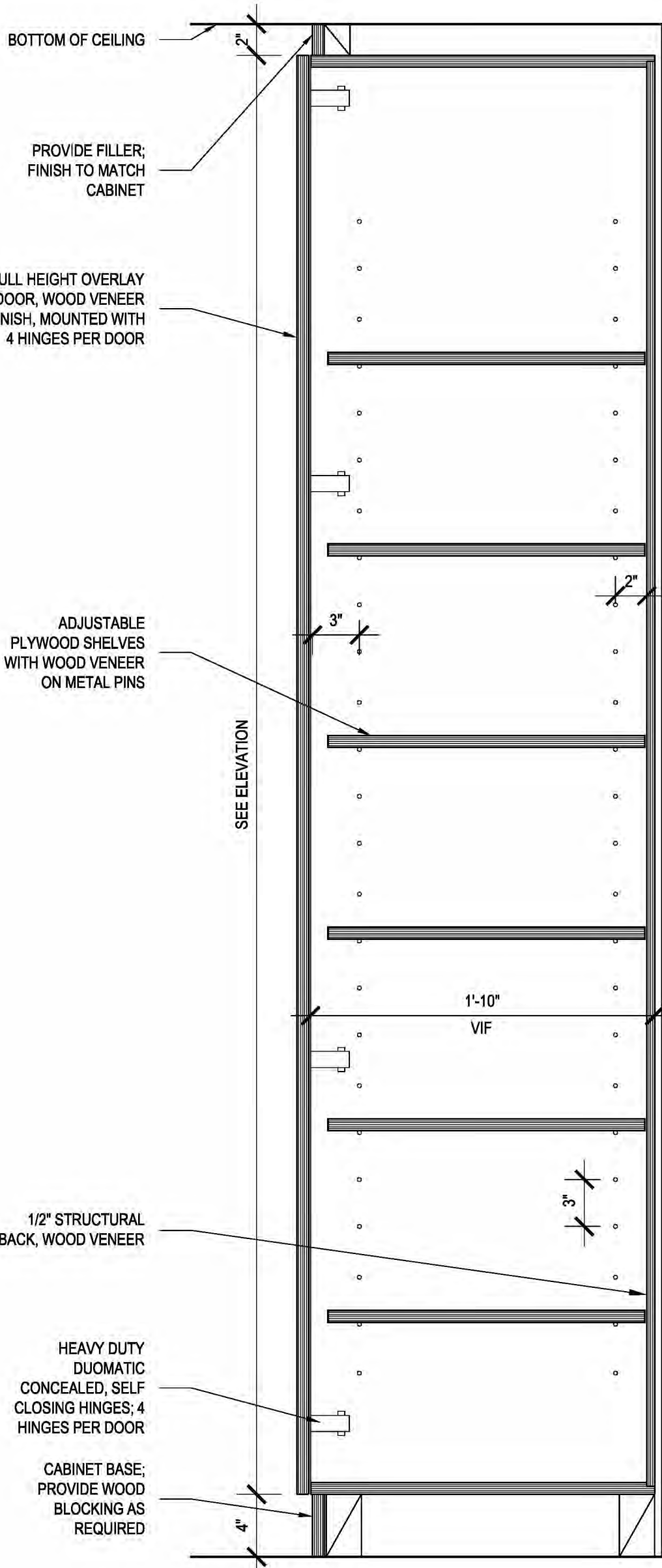
SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

## MILLWORK DETAILS CREDENZA

DRAWING NUMBER DRAWING 22 OF 22

# A-502.00



1 SECTION THROUGH STORAGE UNIT  
SCALE: 1-1/2" = 1'-0"

2 SECTION THROUGH CREDENZA AT WALL PANELS  
SCALE: 1-1/2" = 1'-0"

3 SECTION THROUGH CREDENZA AT DISPLAY  
SCALE: 1-1/2" = 1'-0"

**SYMBOL LIST**

	SINGLE LINE DUCTWORK OR EQUIPMENT - NEW
	SINGLE LINE DUCTWORK OR EQUIPMENT - EXISTING
	DUCTWORK OR EQUIPMENT TO BE REMOVED
	DUCTWORK WITH ACOUSTICAL LINING
	DUCTWORK UNDER POSITIVE PRESSURE (SUPPLY AIR OR FAN DISCHARGE)
	DUCT UNDER NEGATIVE PRESSURE (RETURN, EXHAUST, OR OUTSIDE AIR)
	VOLUME DAMPER
	FIRE DAMPER AND ACCESS DOOR
	BACK DRAFT DAMPER
	MOTORIZED DAMPER
	COMBINATION SMOKE AND FIRE DAMPER (ELECTRIC) AND ACCESS DOOR
	CENTER LINE
	CUBIC FEET PER MINUTE
	DIAMETER
	AIRFLOW DIRECTION
	SQUARE FEET
	LOUVER IN DOOR - MIN. 1.0 SF FREE AREA
	UNDERCUT DOOR
	POINT OF CONNECTION
	POINT OF DISCONNECTION
	TYPE A CEILING DIFFUSER (400 CFM SUPPLY AIR)
	RECTANGULAR DIFFUSER WITH BLANKING PLATE
	VANED ELBOW
	RADIUS ELBOW
	SEE DUCT DETAILS FOR TYPE OF BRANCH CONNECTION
	DUCT FLEXIBLE CONNECTION
	VERTICAL DUCT DROP (IN DIRECTION OF AIRFLOW)
	VERTICAL DUCT RISE (IN DIRECTION OF AIRFLOW)
	THERMOSTAT
	DUCT SMOKE DETECTOR
	SECTION DESIGNATION
	SHEET NO. WHERE SECTION IS SHOWN
	NEW PIPE WITH DIRECTION OF FLOW
	EXISTING PIPING
	PIPING TO BE REMOVED
	PIPE DROP
	PIPE RISE

**ABBREVIATIONS**

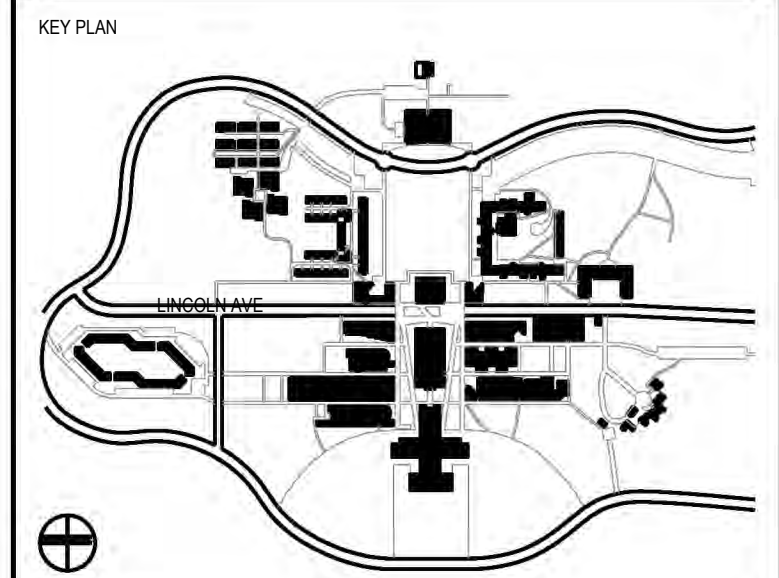
A	AMPERES	FPS	FEET PER SECOND
AV	AUTOMATIC AIR VENT	FT	FEET
AC	AIR CONDITIONING	FTR	FINNED TUBE RADIATION
ACCU	AIR COOLED CONDENSING UNIT	G	GAUGE
AD	ACCESS DOOR	GAL	GALLON
AFF	ABOVE FINISHED FLOOR	HC	HEATING COIL
AHU	AIR HANDLING UNIT	HD	HEAD
AL	ACOUSTICAL LINING	HR	HOUR
AP	ACCESS PANEL	HT	HEIGHT
BDD	BACK DRAFT DAMPER	HV	HEATING AND VENTILATING
BHP	BRAKE HORSEPOWER	HWR	HOT WATER RETURN
BMS	BUILDING MANAGEMENT SYSTEM	HWS	HOT WATER SUPPLY
BTU	BRITISH THERMAL UNIT	HZ	FREQUENCY
BTUH	BTUH PER HOUR	IN	INCH OR INCHES
CCW	COUNTER CLOCKWISE	KW	KILOWATT
CD	CEILING DIFFUSER	L	LENGTH
CFM	CUBIC FEET PER MINUTE	LAT	LEAVING AIR TEMPERATURE
CG	CEILING GRILLE	LBS	POUNDS
CHWR	CHILLED WATER RETURN	LBD	LEAVING DRY BULB TEMPERATURE
CHWS	CHILLED WATER SUPPLY	LIN FT	LINEAR FEET
CLG	CEILING	LPS	LOW PRESSURE SUPPLY
COND	CONDENSATE	LPR	LOW PRESSURE RETURN
CP	CONDENSATE PUMP	LRA	LOCKED ROTOR AMPS
CR	CEILING REGISTER	LWB	LEAVING WET BULB TEMPERATURE
CU FT	CU FT	LWT	LEAVING WATER TEMPERATURE
CU IN	CU IN	MAV	MANUAL AIR VENT
CWR	CONDENSER WATER RETURN	MAX	MAXIMUM
CWS	CONDENSER WATER SUPPLY	MBH	THOUSAND BTUH PER HOUR
DWG	DRAWING	MER	MECHANICAL EQUIPMENT ROOM
CV	CONSTANT VOLUME	MHP	MOTOR HORSEPOWER
CW	CLOCKWISE	MIN	MINIMUM
D	DROP	NO.	NUMBER
DB	DRY BULB	NTS	NOT TO SCALE
DX	DIRECT EXPANSION	OA	OUTSIDE AIR
DHW	DOMESTIC HOT WATER	OAI	OUTSIDE AIR INTAKE
DIAM	DIAMETER	OED	OPEN ENDED DUCT
DN	DOWN	PD	PRESSURE DROP
(E)	EXISTING TO REMAIN	PRV	PRESSURE REDUCING VALVE
EAT	ENTERING AIR TEMPERATURE	PSI	POUNDS PER SQUARE INCH
EDB	ENTERING DRY BULB TEMPERATURE	PSIA	PSI ABSOLUTE
EF	EXHAUST FAN	PSIG	PSI GAUGE
EG	EXHAUST GRILLE	R	RISE
EL	ELEVATION	RA	RETURN AIR
ELEC	ELECTRIC	RG	RETURN GRILLE
EQ	EQUAL	RLA	RUNNING LOAD AMPS
(ER)	EXISTING TO BE REMOVED	RM	ROOM
(ERR)	EXISTING TO REMOVED AND RELOCATED	ROT	ROTATION
EWB	ENTERING WET BULB	RPM	REVOLUTIONS PER MINUTE
EWT	ENTERING WATER TEMPERATURE	(RRO)	EXIST TO BE REMOVED AND RETURNED TO OWNER
EXH	EXHAUST	SA	SUPPLY AIR
EXP	EXPANSION	SP	STATIC PRESSURE
EXIST	EXISTING	SPEC	SPECIFICATION
'F	DEGREES FAHRENHEIT	TEMP	TEMPERATURE
F&T	FLOAT AND THERMOSTATIC	TR	TOP REGISTER
FA	FREE AREA (SQ.FT.)	TRD	TRANSFER DUCT
FC	FLEXIBLE CONNECTION	TYP	TYPICAL
FD	FIRE DAMPER	TX	TOILET EXHAUST
FLA	FULL LOAD AMPERES	V	VOLTS
FPI	FINS PER INCH	VA	VENTILATION AIR
FPM	FEET PER MINUTE	WMS	WIRE MESH SCREEN

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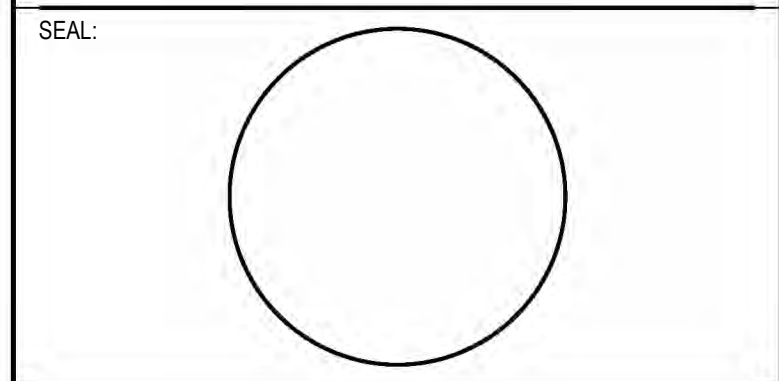
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**COORDINATION ISSUE**



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01	09.27.2024	ISSUED FOR 90% REVIEW	
NO	DATE	DESCRIPTION	ISSUES

CONTRACT NUMBER SU 022626  
CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:  
**MECHANICAL COVER SHEET**  
1 OF 2

DRAWING NUMBER DRAWING 1 OF 11

**M-001.0**

PLOT DATE: 7/20/2024 3:24 PM SAVE DATE: 9/27/2024 10:35 AM

## MECHANICAL GENERAL NOTES

- GENERAL NOTES, SYMBOL LIST AND DETAILS ARE APPLICABLE TO ALL HVAC/MECHANICAL DRAWINGS.
- DRAWINGS ARE DIAGRAMMATIC. DETERMINE EXACT LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD. RELOCATE EXISTING WORK THAT INTERFERES WITH WORK OF THIS CONTRACT.
- COORDINATE THIS WORK WITH THAT OF OTHER TRADES.
- DIMENSIONS SHOWN ON PLAN ARE HORIZONTAL. DIMENSIONS SHOWN IN ELEVATION ARE VERTICAL EXCEPT IN WAY OF STRUCTURAL STEEL, DIMENSIONS ARE MEASURED PERPENDICULAR TO FLANGE.
- NEITHER ACCURACY NOR COMPLETENESS OF SERVICES AND UTILITY LOCATIONS SHOWN ON DRAWINGS IS GUARANTEED. DETERMINE EXACT LOCATIONS OF EXISTING SERVICES AND UTILITIES IN FIELD, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF THIS SECTION.
- PRODUCT INSTALLATION SHALL ADHERE TO MANUFACTURER'S REQUIREMENTS.
- PROVIDE ACCESS PANELS FOR EQUIPMENT THAT REQUIRES SERVICE OR MAINTENANCE.
- PROVIDE HANGERS, ANCHORS, INSERTS, SUPPLEMENTAL STEEL, AND SUPPORTS AS REQUIRED TO SUPPORT DUCTWORK, PIPING, AND EQUIPMENT FROM STRUCTURE.
- RUN DUCTS AND PIPING CONCEALED WITHIN WALLS, CEILINGS, OR SOFFITS, UNLESS OTHERWISE SPECIFIED AND CLEAR OF CEILING INSERTS. COORDINATE ROUTING WITH ARCHITECT AND CONSTRUCTION METHODS.
- INSTALL THERMOSTATS 4'-6" ABOVE FINISHED FLOOR UNLESS OTHERWISE DIRECTED BY ARCHITECT.
- SPECIFICATIONS ARE PART OF THESE DOCUMENTS AND SCOPE OF WORK.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF AIR DEVICES.
- PROVIDE 36" CLEARANCE IN FRONT OF ALL ELECTRIC CONTROL PANELS PER N.E.C. AND MFG. REQUIREMENTS.

## MECHANICAL DEMOLITION NOTES

- THE CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF HVAC WORK AS DESCRIBED ON THE DRAWINGS AND IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE OWNER/ENGINEER.
- THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE TO FUNCTIONING HVAC SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.
- DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
- THE CONTRACTOR SHALL REMOVE ALL DUCT AND PIPING SUPPORTS, ETC. FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING PIPING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL AND PROVIDE BYPASS CONNECTIONS AS NECESSARY.
- ALL PIPING WHICH BECOMES EXPOSED DURING THE ALTERATION WORK SHALL BE REMOVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.
- PORTIONS OF PIPING AND DUCTWORK TO BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ACTIVE, SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED AND RECONNECTED.
- THE CONTRACTOR SHALL NOTIFY THE OWNER, AT THE APPROPRIATE TIME, OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.
- ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE HVAC CONTRACTOR, AS DIRECTED BY THE OWNER.
- ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVERTIME IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
- THE SHUTDOWN OF EXISTING BUILDING HVAC SERVICES SHALL BE COORDINATED WITH THE OWNER. MAKE ARRANGEMENTS AT LEAST 5 BUSINESS DAYS PRIOR TO A SHUTDOWN.
- CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL REQUIREMENTS REGARDING DISPOSAL OR REFRIGERANTS.

## MECHANICAL DRAWING LIST

M-001.0	MECHANICAL COVER SHEET 1 OF 2
M-002.0	MECHANICAL COVER SHEET 2 OF 2
M-100.0	MECHANICAL CONCOURSE LEVEL DEMOLITION PLAN
M-200.0	MECHANICAL CONFERENCE ROOM CONSTRUCTION PLAN
M-300.0	MECHANICAL DETAILS 1 OF 3
M-301.0	MECHANICAL DETAILS 2 OF 3
M-302.0	MECHANICAL DETAILS 3 OF 3
M-400.0	MECHANICAL SCHEDULES
M-500.0	MECHANICAL SPECIFICATIONS 1 OF 3
M-501.0	MECHANICAL SPECIFICATIONS 2 OF 3
M-502.0	MECHANICAL SPECIFICATIONS 3 OF 3

## INSPECTIONS AND TESTING OF MECHANICAL SYSTEMS

- THE FOLLOWING INSPECTIONS, TESTS, PROGRESS INSPECTIONS AND SPECIAL INSPECTIONS SHALL BE CONSIDERED PART OF THE CONTRACT WORK.
- UPON COMPLETION OR PARTIAL COMPLETION OF THE PERMITTED MECHANICAL WORK, INSPECTIONS, PROGRESS INSPECTIONS, SPECIAL INSPECTIONS AND TESTS SHALL BE CONDUCTED BY APPROVED AGENCIES OR SPECIAL INSPECTORS QUALIFIED TO CONDUCT SUCH INSPECTIONS AND TESTS. INSPECTIONS AND PROGRESS INSPECTIONS SHALL BE PERFORMED IN COMPLIANCE WITH SECTION BC 109 OF THE NEW YORK STATE BUILDING CODE. SPECIAL INSPECTIONS SHALL BE PERFORMED IN COMPLIANCE WITH SECTIONS BC 1704 AND BC 1707 OF THE NEW YORK STATE BUILDING CODE, REFER TO ARTICLE 116 OF CHAPTER 1 OF TITLE 28 OF THE ADMINISTRATIVE CODE FOR ADDITIONAL PROVISIONS RELATED TO INSPECTIONS.
- CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTION AGENCY (SIA) 1 WEEK IN ADVANCE OF PROPOSED INSTALLATIONS AND/OR CONCEALMENT OF INSTALLATIONS THAT REQUIRE VISUAL OR INTRUSIVE/DESTRUCTIVE TESTING, SUCH AS FIRESTOPPING. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SUFFICIENT OPENINGS FOR THE SIA TO PERFORM THEIR REQUIRED VISUAL AND PHYSICAL INSPECTION AT NO ADDITIONAL COST, INCLUDING OPENING AND REPAIRING COMPLETED MILLWORK OR GENERAL CONSTRUCTION FINISHES CONCEALING INSTALLATIONS TO BE INSPECTED. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR/RESTORATION OF INSTALLATIONS THAT REQUIRE DESTRUCTIVE TESTING.
- SPECIAL INSPECTIONS OF MECHANICAL SYSTEMS SHALL INCLUDE THE FOLLOWING AS APPLICABLE TO THE SYSTEM:
  - VISUAL CERTIFICATION THAT REQUIRED COMPONENTS OF SUCH SYSTEMS ARE COMPLETE IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION GUIDELINES AND THE APPROVED CONSTRUCTION DOCUMENTS.
  - SUPPORTS, HANGERS, SEISMIC BRACING, AND VIBRATION ISOLATION EQUIPMENT ARE PROPERLY SPACED AND ANCHORED TO SUPPORTING STRUCTURE.
  - INSTALLATION OF REQUIRED SIGNAGE AND SAFETY INSTRUCTIONS.
  - ELECTRICAL COMPONENTS ARE INSTALLED AND ELECTRICAL SIGN-OFF ISSUED.
  - VENTILATION BALANCING REPORT IS COMPLETE AND IN ACCORDANCE WITH DESIGN DOCUMENTS, AND THE SYSTEM IS OPERATING AS DESIGNED.
  - REQUIRED LABELING, OPERATIONAL INSTRUCTIONS AND SAFETY SIGNAGE PROPERLY POSTED.
  - ALL RELATED SPECIAL INSPECTIONS FOR SUCH SYSTEMS ARE COMPLETE.

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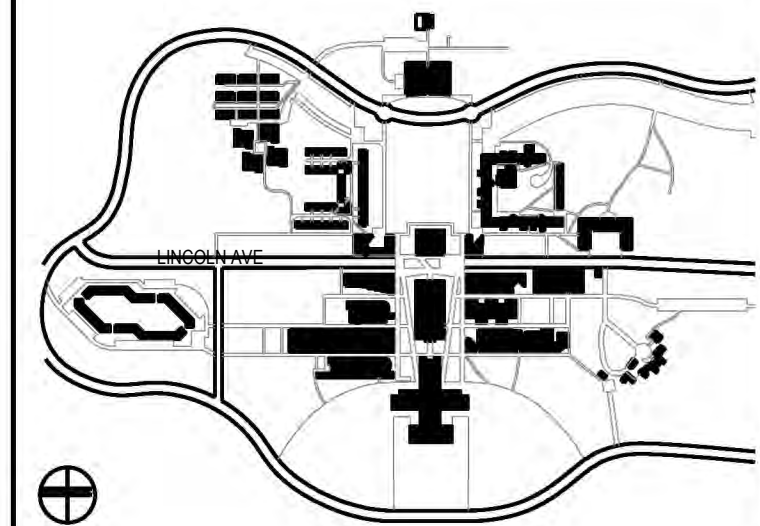
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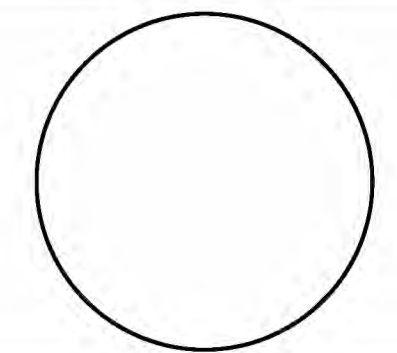


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CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:  
**MECHANICAL COVER SHEET**  
**2 OF 2**

DRAWING NUMBER DRAWING 2 OF 11

# M-002.0

# PURCHASE COLLEGE

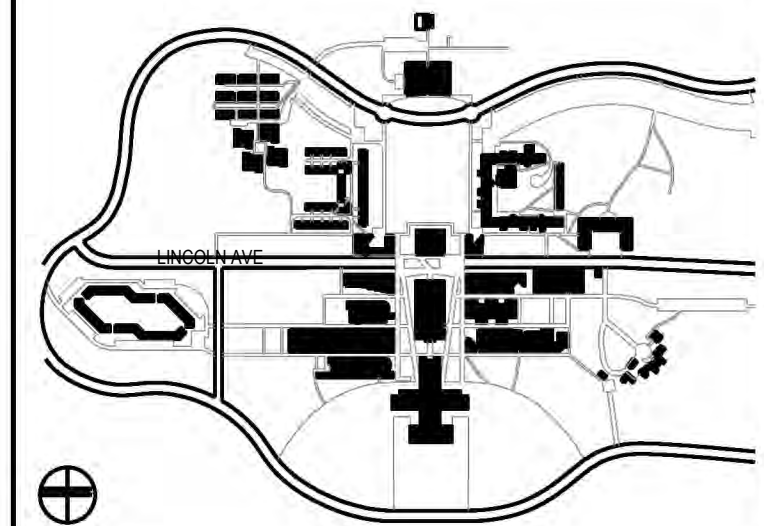
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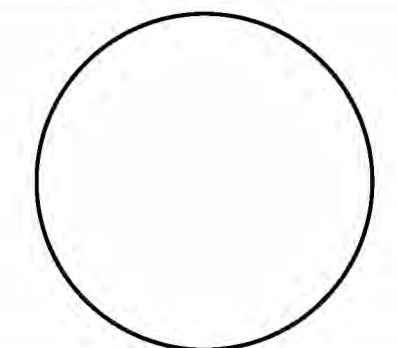


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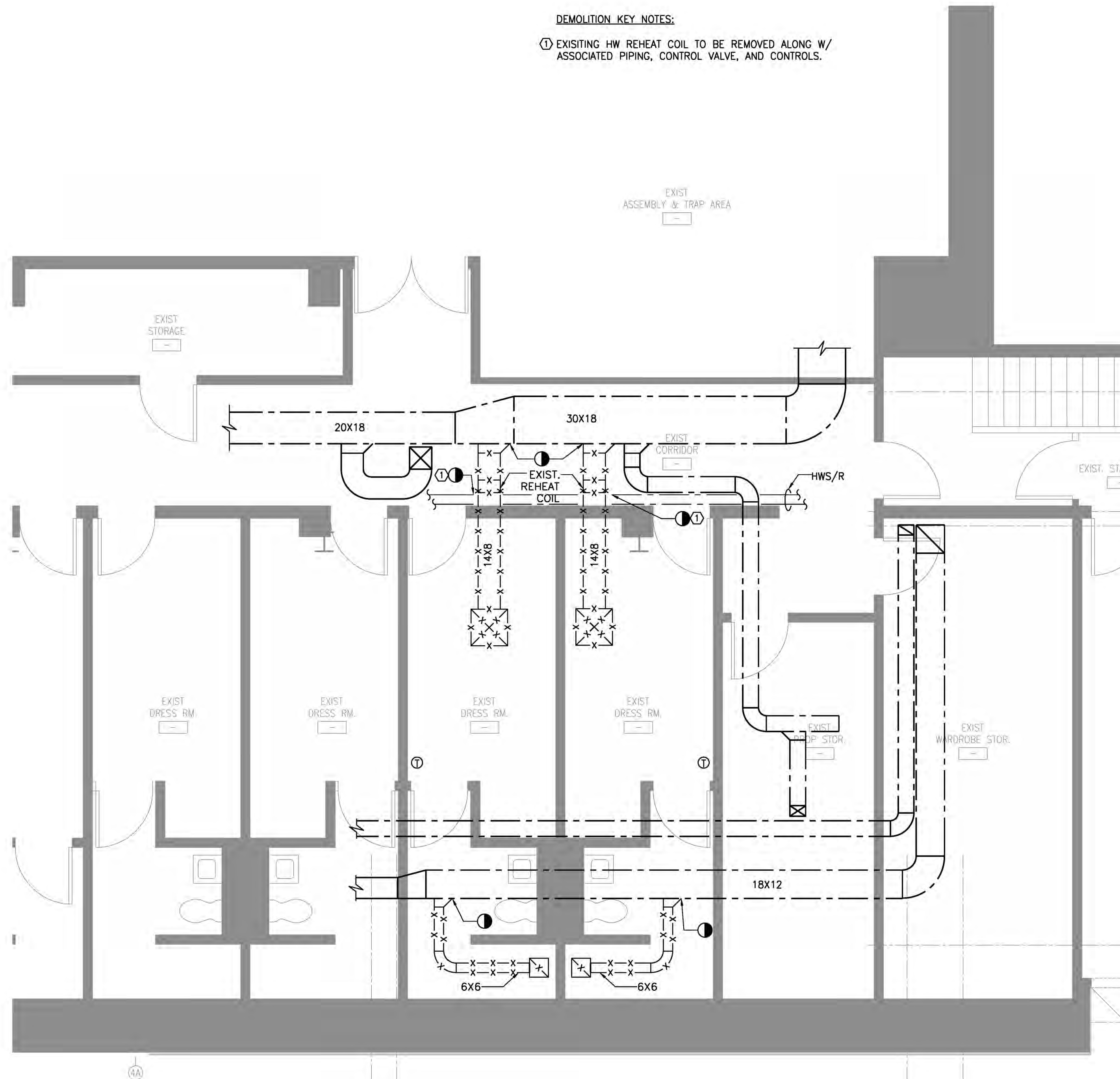
DRAWING TITLE:  
**MECHANICAL CONCOURSE LEVEL  
DEMOLITION PLAN**

DRAWING NUMBER DRAWING 3 OF 11

# M-100.0

#### DEMOLITION KEY NOTES:

- ① EXISTING HW REHEAT COIL TO BE REMOVED ALONG W/ ASSOCIATED PIPING, CONTROL VALVE, AND CONTROLS.



① MECHANICAL DEMOLITION PLAN  
SCALE: 1/4" = 1'-0"

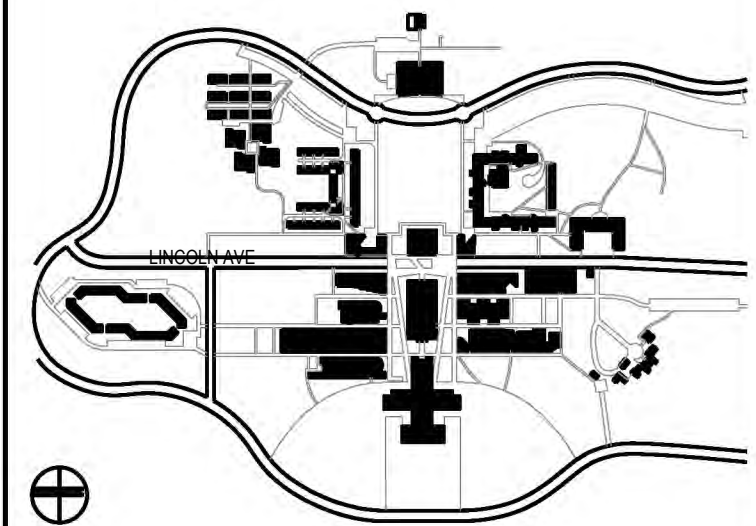
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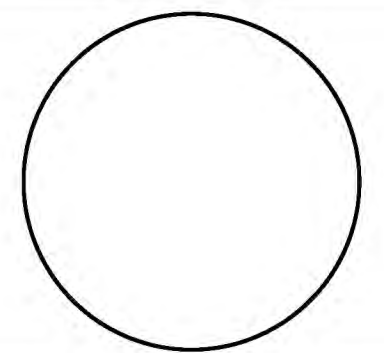


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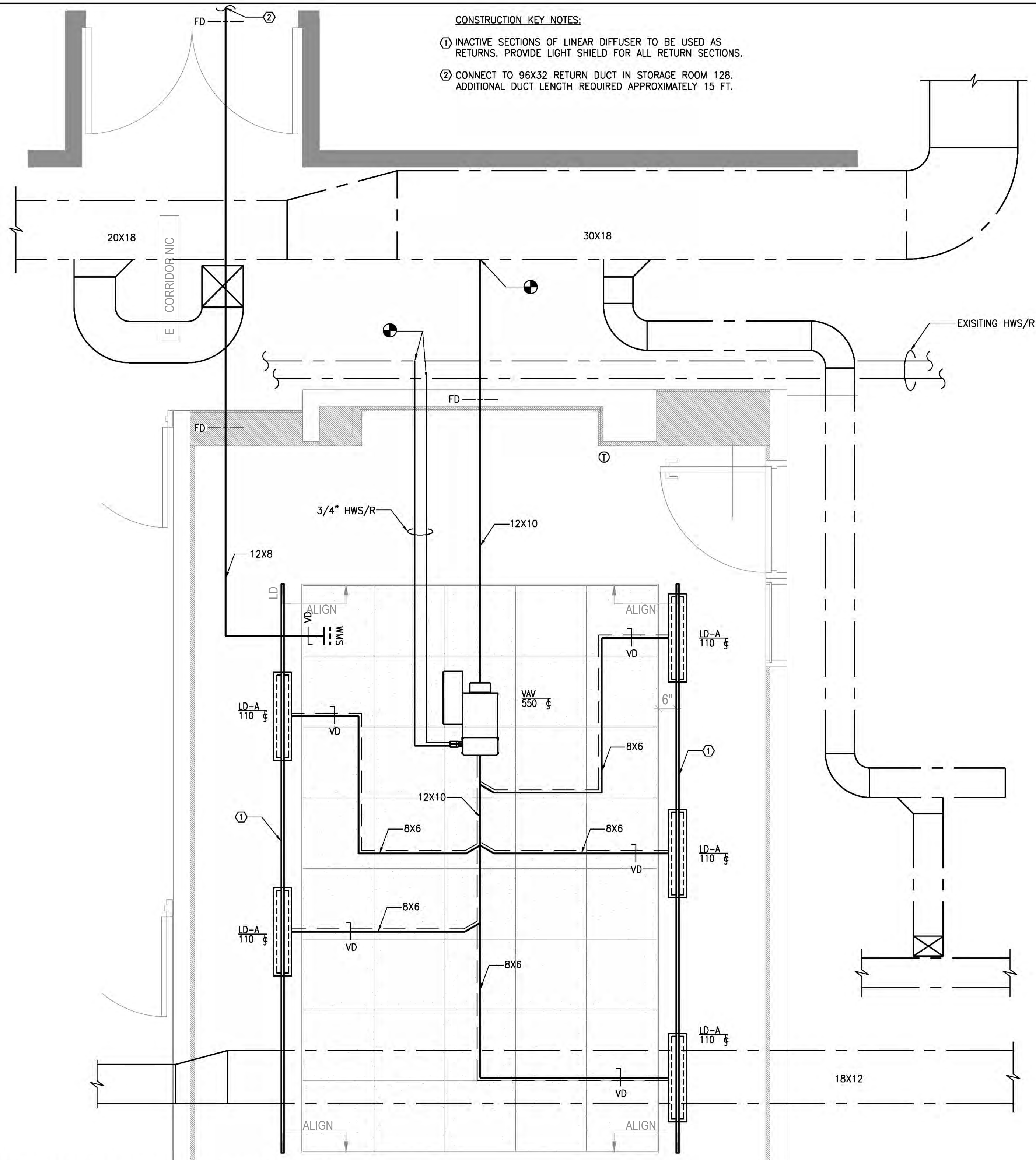
DRAWING TITLE:  
**MECHANICAL CONFERENCE ROOM  
CONSTRUCTION PLAN**

DRAWING NUMBER DRAWING 4 OF 11

**M-200.0**

**CONSTRUCTION KEY NOTES:**

- ① INACTIVE SECTIONS OF LINEAR DIFFUSER TO BE USED AS RETURNS. PROVIDE LIGHT SHIELD FOR ALL RETURN SECTIONS.
- ② CONNECT TO 96X32 RETURN DUCT IN STORAGE ROOM 128. ADDITIONAL DUCT LENGTH REQUIRED APPROXIMATELY 15 FT.



**1 MECHANICAL CONSTRUCTION PLAN**  
SCALE: 1/2" = 1'-0"

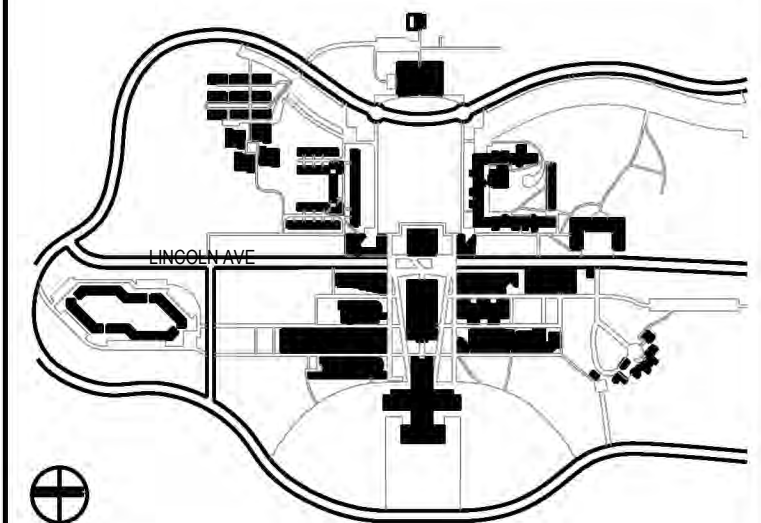
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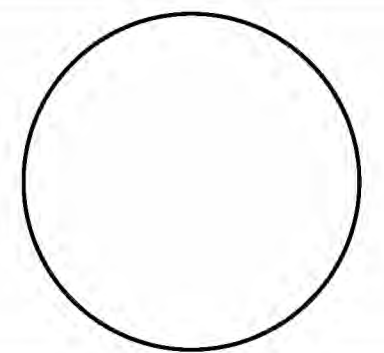


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**COORDINATION ISSUE**

SEAL:



NO	DATE	DESCRIPTION	ISSUES
02	01.22.2026	ISSUED FOR BID	
01	09.27.2024	ISSUED FOR 90% REVIEW	

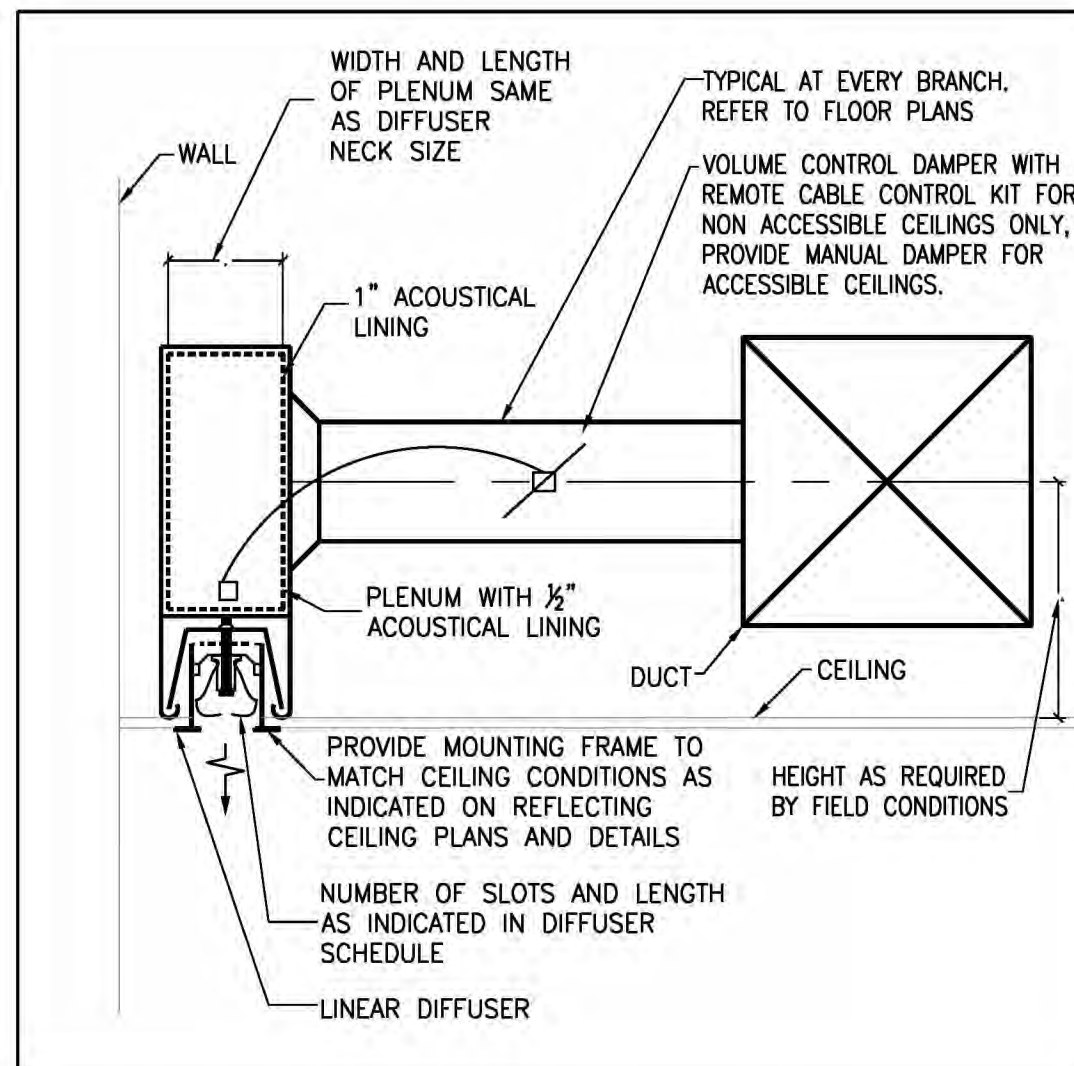
CONTRACT NUMBER SU 022626  
CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

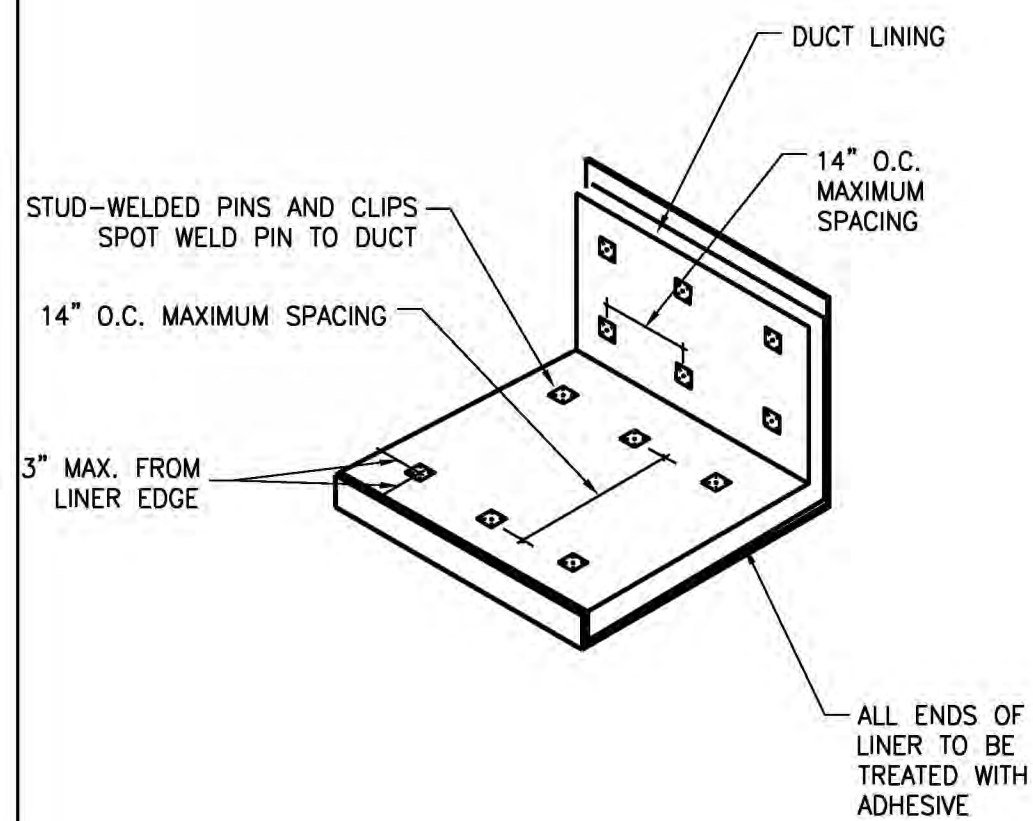
DRAWING TITLE:  
**MECHANICAL DETAILS 1 OF 3**

DRAWING NUMBER DRAWING 5 OF 11

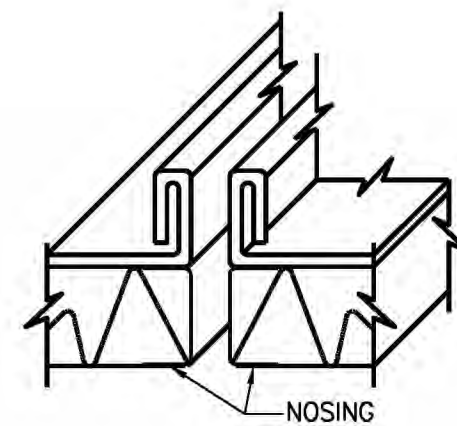
**M-300.0**



**LINEAR DIFFUSER INSTALLATION DETAIL**

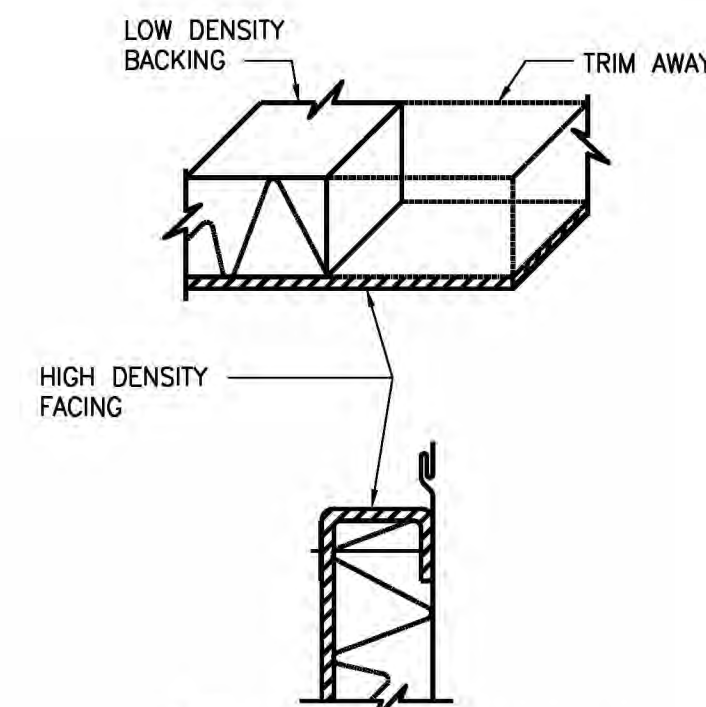


**ACOUSTICAL DUCT LINER DETAIL**



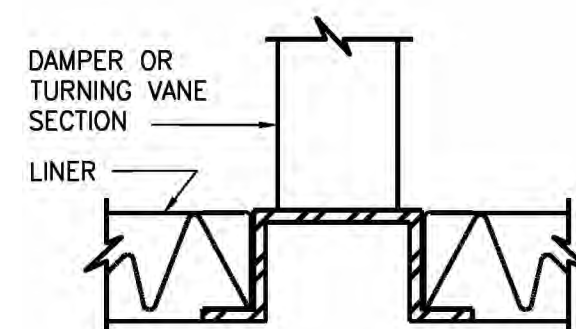
NOTE:  
ENTERING, BUTTING AND TRAILING EDGES OF LINER AT TRANSVERSE JOINTS TO BE COVERED BY NOSING

**TRANSVERSE JOINT DETAIL**



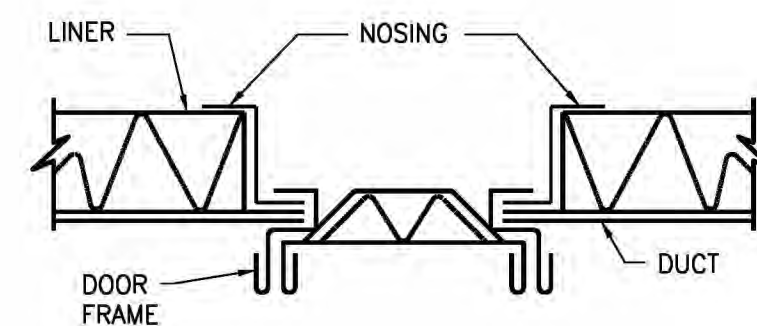
NOTE:  
FOLD OVER HIGH DENSITY FACING ON ALL LONGITUDINAL JOINTS & SECURE WITH MECHANICAL FASTENERS

**LONGITUDINAL JOINT DETAIL**



NOTE:  
MAT SECTION INSTALLED WITH NOSING TO CONCEAL LINER EDGES

**DETAIL AT DAMPERS AND TURNING VANES**



**ACCESS DOOR NOSING DETAIL**

NOTES:  
1. NOSING ATTACHED TO DUCT BY RIVETS, SCREWS OR WELDS.  
2. NOSING: 24 GA. UP TO 48"; OVER 48" SAME GA. AS DUCT.

**SOUND LINING NOSING**

# PURCHASE COLLEGE

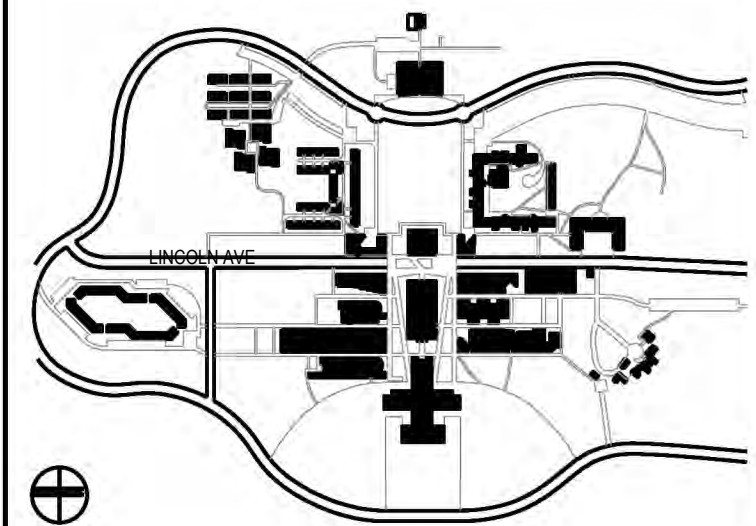
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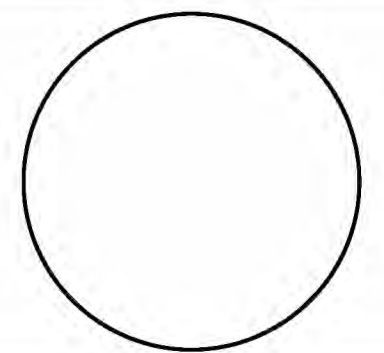


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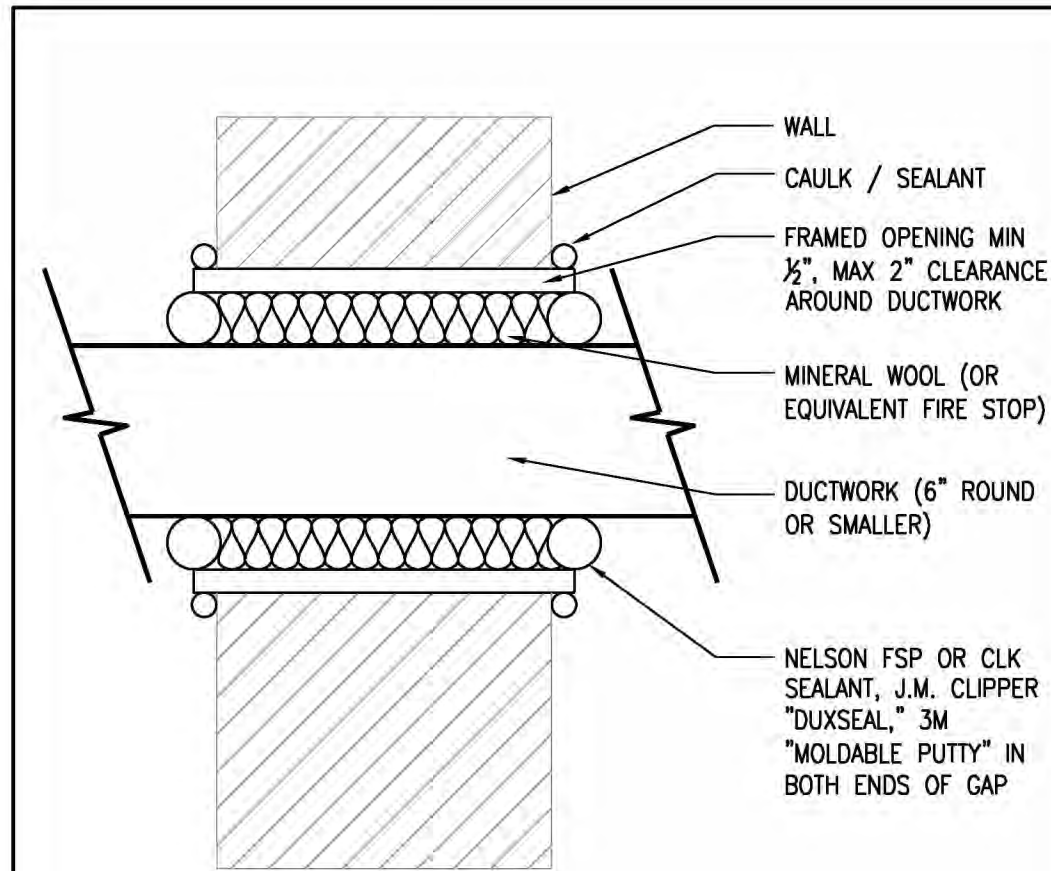
CONTRACT NUMBER SU 022626  
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SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

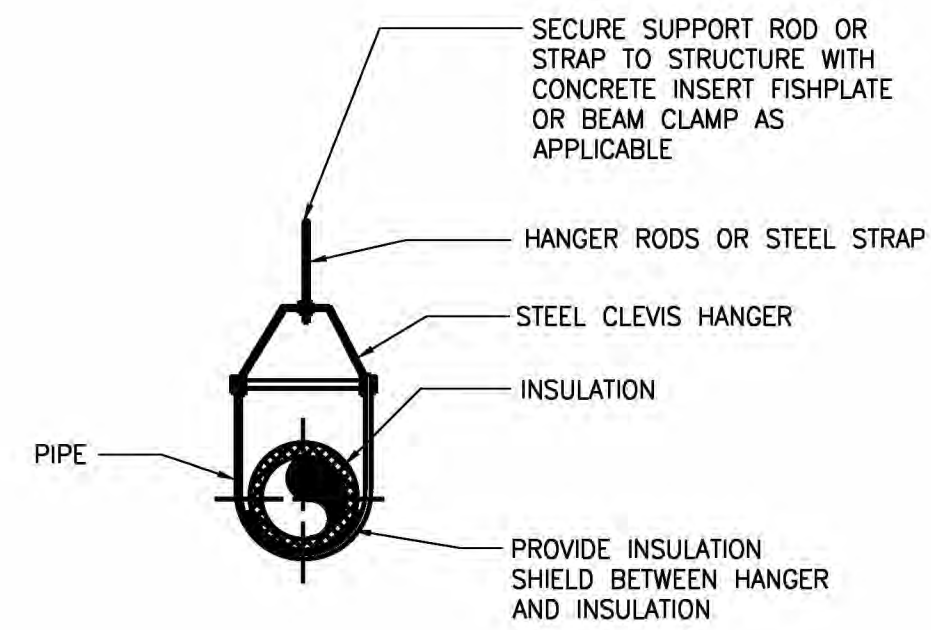
DRAWING TITLE:  
**MECHANICAL DETAILS 2 OF 3**

DRAWING NUMBER DRAWING 6 OF 11

# M-301.0



DUCT PENETRATION THROUGH 1 HR RATED WALL DESIGN



**NOTES:**

1. REFER TO STRUCTURE CONNECTION DETAIL FOR ATTACHMENT METHODS.
2. FOR INSULATED PIPE, PROVIDE 12" INSULATION SHIELD AT HANGER
3. WHERE STRUCTURAL SLAB DOES NOT PERMIT INSERTS, SUPPORT PIPING FROM STRUCTURE WITH AUXILIARY STEEL IF REQUIRED.

PIPE HANGER DETAIL

FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (INCHES)				
	CONDUCTIVITY BTU-INCH/(H-FT <sup>2</sup> -°F)	MEAN RATING TEMPERATURE, °F	< 1	1 TO < 1 1/2	1 1/2 TO < 4	4 TO < 8	≥ 8
141-200	0.25-0.29	125	1.5	1.5	2.0	2.0	2.0
105-140	0.21-0.28	100	1.0	1.0	1.5	1.5	1.5

A. FOR PIPING SMALLER THAN 1-1/2" AND LOCATED IN PARTITIONS WITHIN CONDITION SPACES, REDUCTION OF THESE THICKNESSES BY 1 INCH SHALL BE PERMITTED (BEFORE THICKNESS ADJUSTMENT REQUIRED IN FOOTNOTE B) BUT NOT TO A THICKNESS LESS THAN 1 INCH.)

B. FOR INSULATION OUTSIDE THE STATED CONDUCTIVITY RANGE, THE MINIMUM THICKNESS (T) SHALL BE DETERMINED AS FOLLOWS:  $T=R\{(L+t/R)K/k-1\}$

WHERE:

- T = MINIMUM INSULATION THICKNESS,
- R = ACTUAL OUTSIDE RADIUS OF PIPE
- t = INSULATION THICKNESS LISTED IN THE TABLE FOR APPLICABLE FLUID TEMPERATURE AND PIPE SIZE.
- K = CONDUCTIVITY OF ALTERNATE MATERIAL AT MEAN RATING TEMPERATURE INDICATED FOR THE APPLICABLE FLUID TEMPERATURE (BTU-in/h-FT<sup>2</sup>-°F)
- k = THE UPPER VALUE OF THE CONDUCTIVITY RANGE LISTED IN THE TABLE FOR THE APPLICABLE FLUID TEMPERATURE.

C. FOR DIRECT-BURIED HEATING AND HOT WATER SYSTEM PIPING, REDUCTION OF THESE THICKNESSES BY 1-1/2 SHALL BE PERMITTED (BEFORE THICKNESS ADJUSTMENT REQUIRED IN FOOTNOTE B BUT NOT TO A THICKNESS LESS THAN 1 INCH).

PIPING INSULATION TABLE

# PURCHASE COLLEGE

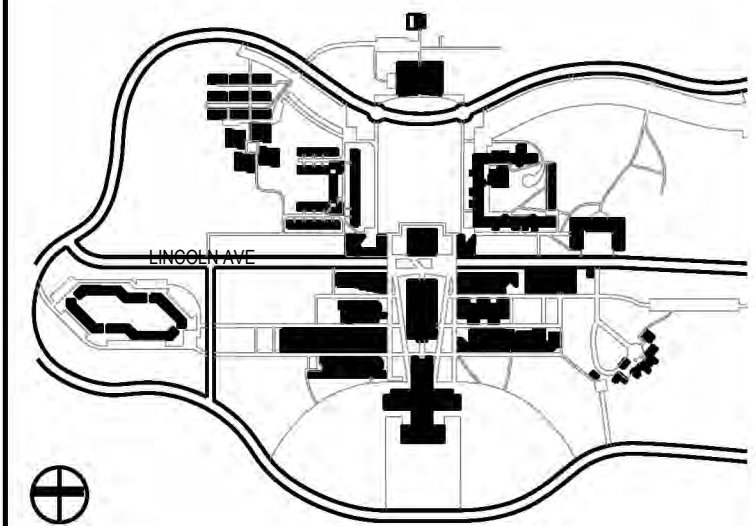
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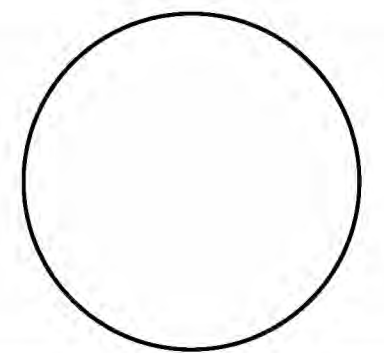


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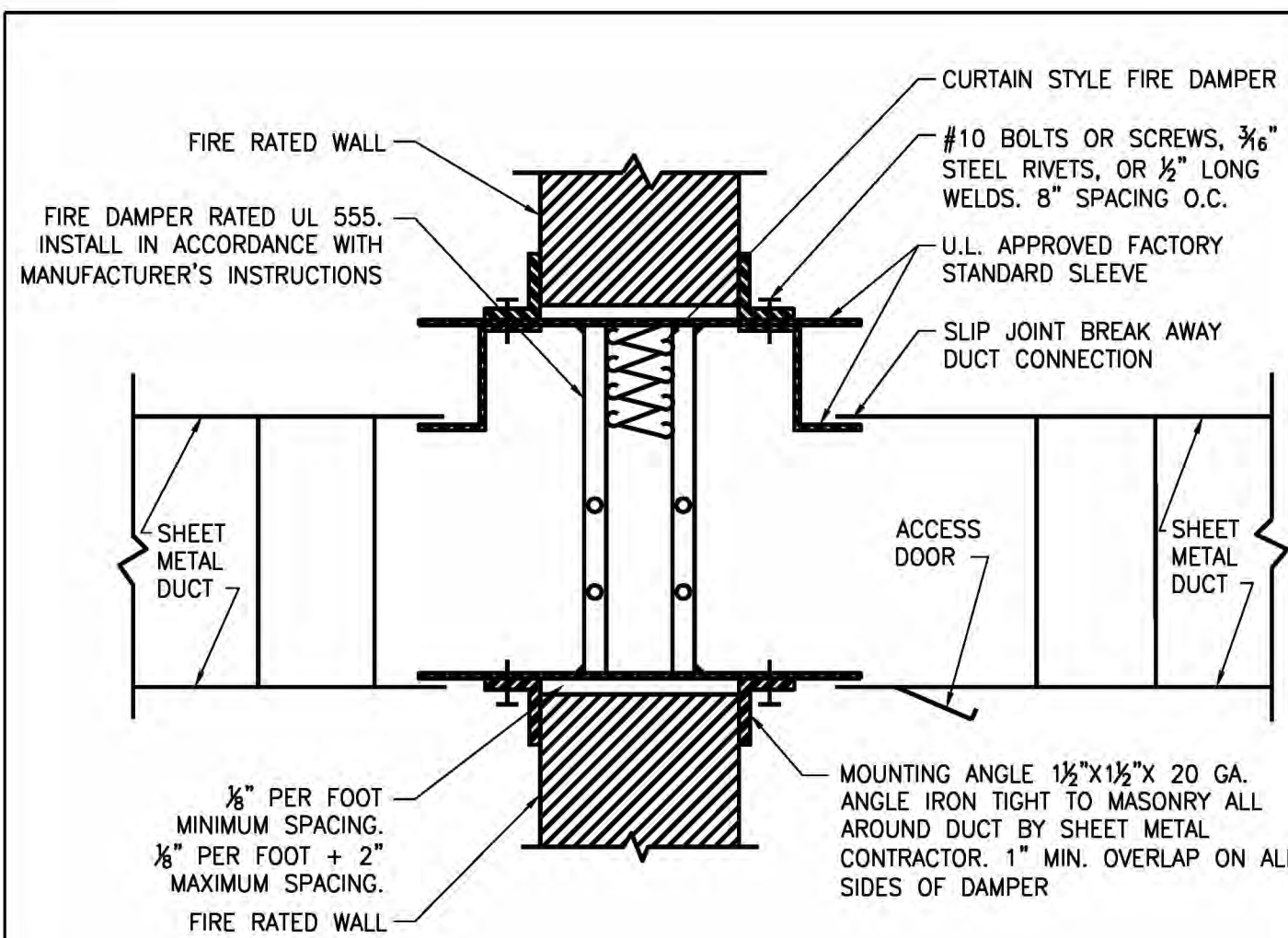
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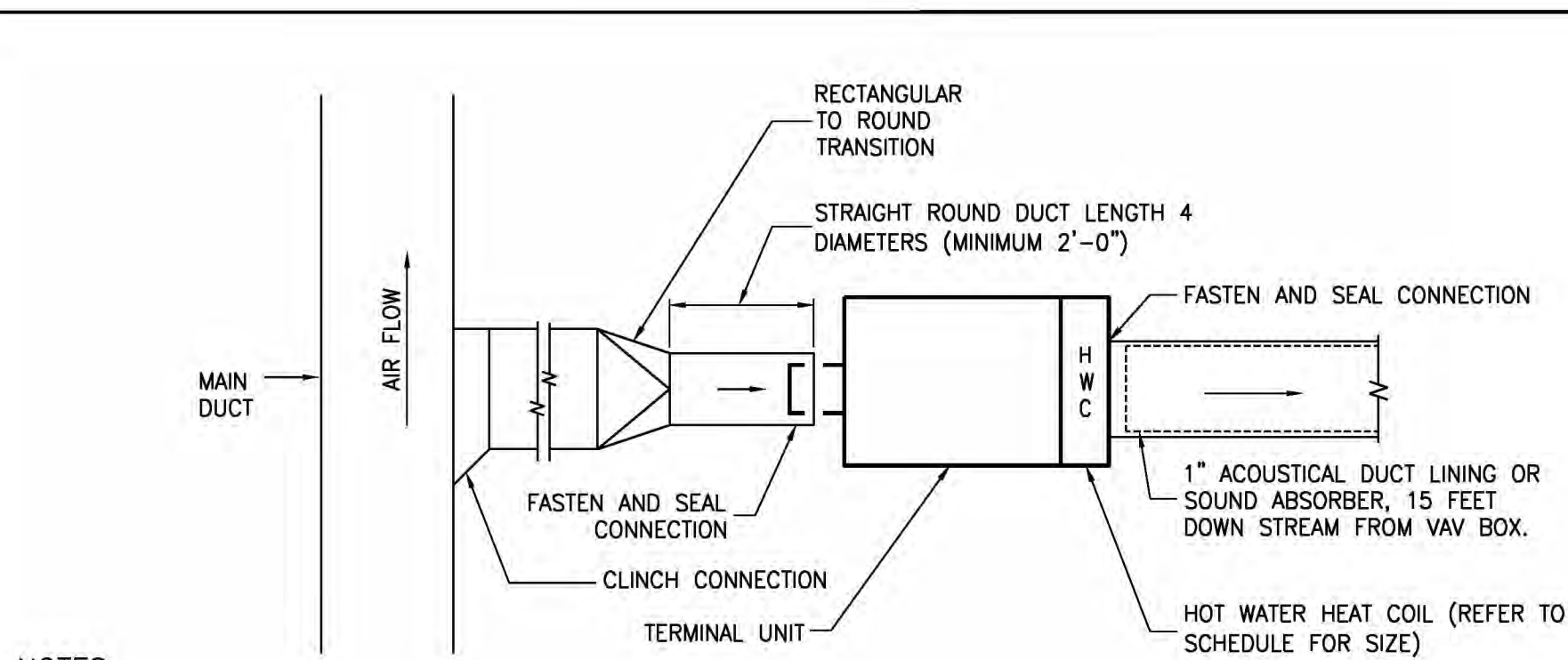
## MECHANICAL DETAILS 3 OF 3

DRAWING NUMBER DRAWING 7 OF 11

# M-302.0



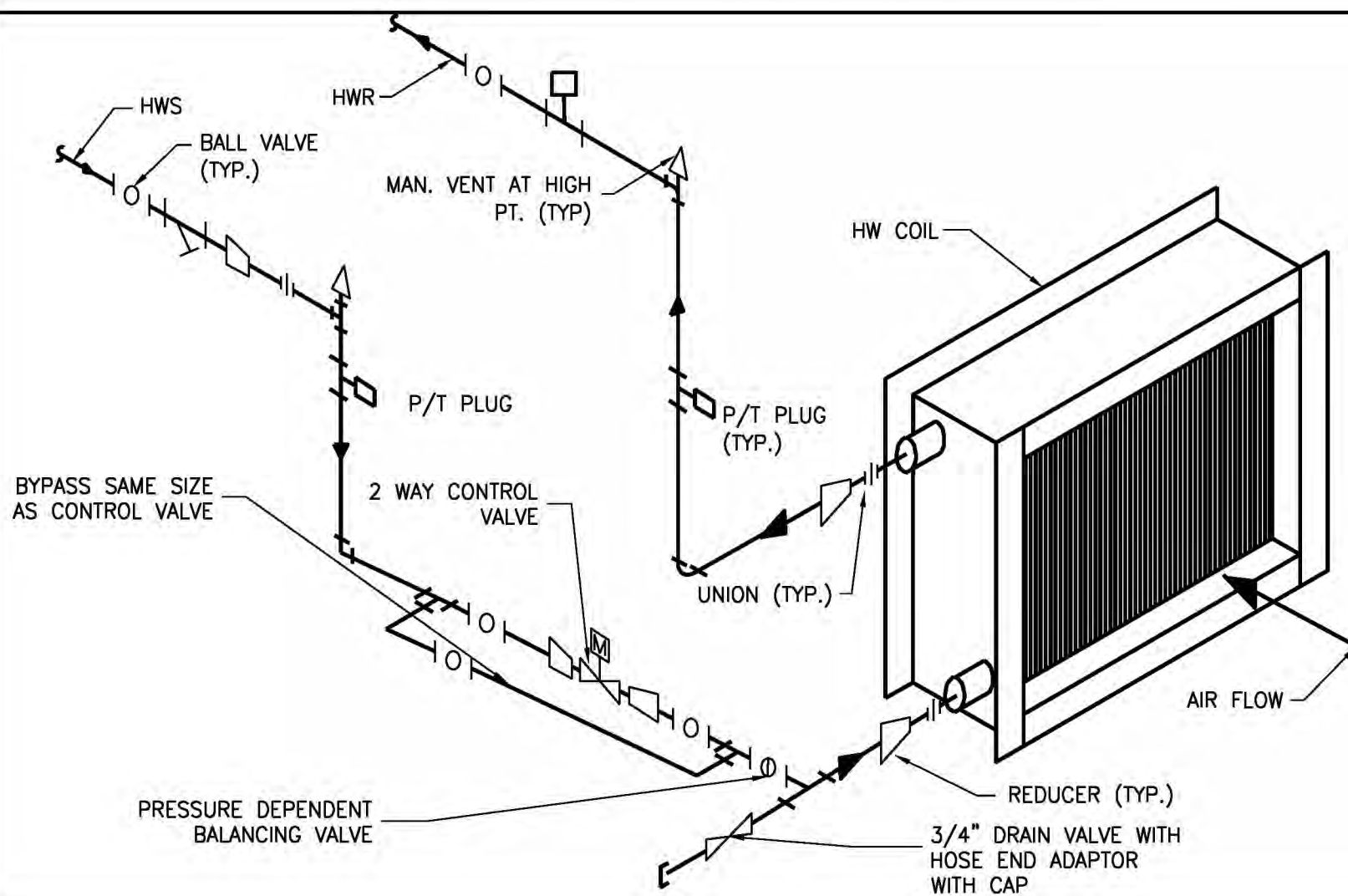
VERTICAL FIRE DAMPER DETAIL



NOTES:

1. THE OPERATION OF VARIABLE VOLUME TERMINAL UNITS ARE AFFECTED BY EXCESSIVE TURBULENCE ON THE ENTERING SIDE OF EACH TERMINAL UNIT. THEREFORE, TERMINAL UNITS MUST NOT BE INSTALLED TOO CLOSE TO MAIN DUCTS, ELBOWS AND FITTINGS.
2. WHEN MINIMUM UPSTREAM STRAIGHT DUCT CONNECTION TO TERMINALS AS INDICATED ABOVE CANNOT BE MAINTAINED, PROVIDE ORIFICE PLATE, STRAIGHTENING VANES OR OTHER DEVICE AS RECOMMENDED BY TERMINAL UNIT MANUFACTURER AND SUBMIT TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
3. MANUFACTURER OF TERMINAL UNIT SHALL PROVIDE CONTROLS ON LEFT OR RIGHT SIDE AS REQUIRED BY FIELD CONDITIONS.
4. ARRANGE ACCESS TO PERMIT EASY FIELD BALANCE AND MAINTENANCE OF TERMINAL UNIT.
5. SUPPORT VAV AIR TERMINAL UNITS FROM STRUCTURE, INDEPENDENT OF DUCTWORK.

VAV TERMINAL UNIT INSTALLATION



NOTES:

1. CONNECTIONS TO COIL INLET & OUTLET SHALL BE FULL SIZE OF COIL TAPPINGS AND SHALL BE PROVIDED WITH UNIONS OR FLANGES TO FACILITATE COIL REMOVALS.
2. MAKE BRANCH PIPING CONNECTIONS TO COIL HEADERS TO ACHIEVE AIR-WATER COUNTERFLOW. PLUG COIL HEADER TAPPINGS WITH NO CONNECTIONS.
3. PROVIDE A MINIMUM OF 3 ELBOW SWING JOINT CONNECTIONS ON PIPING TO COIL.

VAV BOX/AIR VALVE REHEAT COIL PIPING DETAIL

SINGLE DUCT VAV BOX SCHEDULE

DESIGNATION	ROOM	MANUFACTURER	MODEL NO.	AIRFLOW RANGE MAX - MIN (CFM)	INLET SIZE	NC @ MAX RANGE CFM ΔPS=1.5"		HOT WATER REHEAT COIL										REMARKS
						RAD	DIS	CFM	MBH	EAT	LAT	EWT	LWT	GPM	APd	ROWS	FPI	
VAV-A	CONF. RM	TITUS	DESV	550 - 165	8	20	28	550	13.2	55	77	180	160.1	1.4	0.1	1-RH	10	1 THROUGH 9

- NOTES:**
- REFER TO MECHANICAL SPECIFICATIONS AND DETAILS.
  - PROVIDE WITH WALL MOUNTED DIGITAL KEYPAD THERMOSTAT (BY BUILDING CONTROLS VENDOR/ CONTRACTOR SIEMENS).
  - CONTROLS SHALL BE FIELD MOUNTED BY BUILDING ATC CONTRACTOR (SIEMENS).
  - MINIMUM CFM FOR EACH BOX TO BE SET AT 30% OF CFM INDICATED ON FLOOR PLANS U.O.N..
  - VAV BOX MANUFACTURER SHALL PROVIDE WITH CLASS II, STEP DOWN 120/24 VOLT CONTROL TRANSFORMER.
  - NORMALLY OPEN UNLESS OTHERWISE NOTED.
  - PROVIDE WITH AUTO-CHANGEOVER SENSOR FOR MORNING WARM UP/ COOLING OPERATION.
  - PROVIDE REHEAT COILS WITH TWO-WAY MODULATING CONTROL VALVE (BY SIEMENS CONTROLS).
  - USE ECOSHIELD 1" LINER UNLESS OTHERWISE NOTED.

DIFFUSER, GRILLE & REGISTER SCHEDULE

TAG	SERVICE	CFM RANGE	NUMBER OF SLOTS	SLOT WIDTH (IN)	NECK SIZE (IN.)	FACE OVERALL DIMENSIONS WXL (IN.)	MATERIAL	BORDER TYPE	COLOR AND FINISH	MAX P.D	MANUFACTURER AND MODEL	NOTES
LD-A	SUPPLY	0-150	1	1	8" INLET	2.75X48	STEEL	TAPE & SPACKLE	PER ARCHITECT	0.0750	TITUS FL-10	1-3

- NOTES:**
- FURNISH AND INSTALL DIFFUSERS WITH VOLUME DAMPERS.
  - COORDINATE BORDERS WITH CEILING/WALL CONSTRUCTION.
  - COORDINATE COLOR AND FINISH WITH ARCHITECT.
  - PROVIDE LIGHT SHIELD FOR INACTIVE SECTIONS

DUCTWORK INSULATION

SYSTEM	TYPE	MINIMUM THICKNESS	DENSITY	NOTES
CONCEALED SA/RA/OA IN UNCONDITIONED SPACE	FIBERGLASS BLANKET	1", MINIMUM R-6.0	1 LB/FT <sup>3</sup>	SIMILAR TO MANVILLE MICROLITE

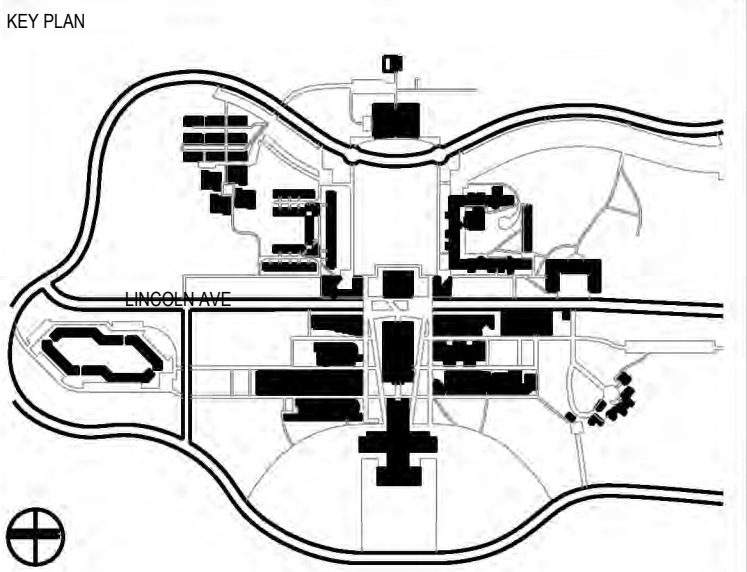
- NOTES:**
- INSTALL ACOUSTICAL DUCT LINING A MINIMUM OF 10' DOWNSTREAM OF ALL TERMINAL BOXES, AND ANYWHERE NOTED SPECIFICALLY ON PLANS.
  - ACOUSTICAL LINING SHALL NOT BE INSTALLED 15' DOWNSTREAM OF HUMIDIFIERS OR WITHIN MOISTURE LADEN AIRSTREAMS.
  - PREP SURFACES OF INSULATION FOR PAINTING OR VISUAL TREATMENTS. COORDINATE WITH ARCHITECT.
  - WHERE DUCTS ARE PROVIDED WITH ACOUSTICAL LINING, EXTERNAL INSULATION MAY BE REDUCED IN THICKNESS PROVIDED THE OVERALL R-VALUE OF THE DUCT (WHEN INCLUDING BOTH INTERNAL LINING AND EXTERNAL INSULATION) MEETS THE MINIMUM STATED.
  - REFER TO SPECIFICATIONS FOR INSTALLATION METHODS.
  - INSULATION SHALL NOT BE BROKEN OR FOREGONE FOR ANY REASON. PROVIDE INSULATION SHIELDS, CARRIERS, ETC. AS NEEDED. ACCESS DOORS ARE TO BE CLEARLY MARKED AND PROVIDED WITH AN ACCESSIBLE, REMOVABLE INSULATION PANEL (OR USE INSULATED ACCESS DOORS WITH EQUIVALENT R VALUE).
  - ADEQUATE SPACE FOR SPECIFIED INSULATION SHALL BE MADE DURING THE INSTALLATION. INSULATION SHALL NOT BE CRUSHED LESS THAN THICKNESS REQUIRED BY MANUFACTURER TO MEET THE R VALUE SPECIFIED.
  - INSTALL INSULATION PER MANUFACTURERS REQUIREMENTS.

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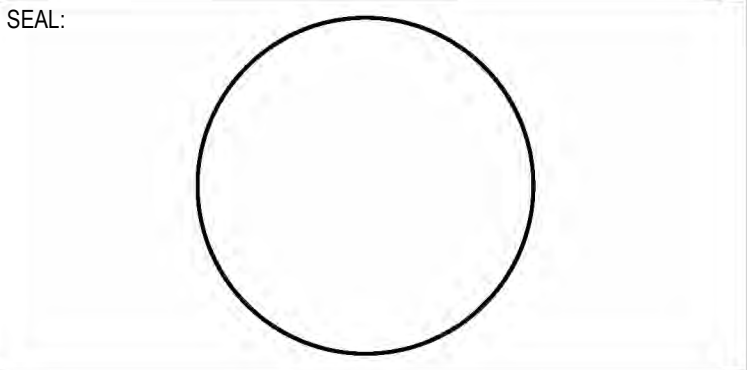
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SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:  
**MECHANICAL SCHEDULES**

DRAWING NUMBER DRAWING 8 OF 11

**M-400.0**

PLOT DATE: 7/20/2024 3:24 PM SAVE DATE: 9/27/2024 10:35 AM

1. GENERAL

- A. ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR WHO SHALL INFORM THE OWNER, PRIOR TO SUBMITTING A PROPOSAL, OF ANY WORK OR MATERIALS WHICH VIOLATE ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION SHALL BE CORRECTED BY THE CONTRACTOR.
- B. INVESTIGATE EACH SPACE THROUGH WITH EQUIPMENT MUST BE MOVED. WHERE NECESSARY, EQUIPMENT SHALL BE SHIPPED FROM MANUFACTURER IN SECTIONS OF SIZE SUITABLE FOR MOVING THROUGH AVAILABLE RESTRICTIVE SPACES. ASCERTAIN FROM BUILDING OWNER AT WHAT TIMES OF DAY EQUIPMENT MAY BE MOVED THROUGH ALL AREAS.
- C. DUCTWORK AND PIPING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES OF RUNS. THE CONTRACTOR SHALL ALLOW IN HIS PRICE FOR ROUTING OF DUCTWORK AND PIPING TO AVOID OBSTRUCTIONS. EXACT LOCATIONS ARE SUBJECT TO APPROVAL OF ARCHITECT. COORDINATION WITH THE EXISTING SERVICES, INCLUDING THOSE OF OTHER TRADES IS REQUIRED.
- D. SUPPORT ALL DUCTWORK AND PIPING FROM BUILDING STRUCTURE AND/OR FRAMING IN AN APPROVED MANNER. WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OR SUPPORTS FOR EQUIPMENT, FURNISH ADDITIONAL FRAMING. INSERTS SHALL BE STEEL, SLOTTED TYPE AND FACTORY PAINTED. SINGLE ROD SHALL BE SIMILAR TO GRINNELL FIG. 281. MULTI-ROD SHALL BE SIMILAR TO FEE & MASON SERIES 9000 WITH END CAPS AND CLOSURE STRIPS. MAXIMUM LOADING INCLUDING PIPES, DUCTWORK CONTENTS AND COVERING SHALL NOT EXCEED 75% OF RATED INSERT CAPABILITY. WHEN SUPPORTING FROM BUILDING USE BEAM CLAMPS IN APPROVED MANNER.
- E. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
- F. REMOVAL AND RELOCATION OF CERTAIN EXISTING WORK WILL BE NECESSARY FOR THE PERFORMANCE OF THE GENERAL WORK. ALL EXISTING CONDITIONS CANNOT BE COMPLETELY DETAILED IN THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE AND INCLUDE ALL CHANGES IN MAKING UP THE WORK PROPOSAL.
- G. PLAN INSTALLATION OF NEW WORK AND CONNECTIONS TO EXISTING WORK TO ENSURE MINIMUM INTERFERENCE WITH REGULAR OPERATION OF EXISTING FACILITIES. ALL SYSTEM SHUTDOWNS AFFECTING OTHER AREAS SHALL BE COORDINATED WITH BUILDING OWNER. INSTALL ISOLATION VALVES AT POINT OF CONNECTION TO THE EXISTING PIPING. PROVIDE TEMPORARY DUCT CAPS AND/OR CONNECTIONS TO MINIMIZE SHUTDOWN TIME.
- H. CONNECT NEW WORK TO EXISTING WORK IN NEAT AND APPROVED MANNER. RESTORE EXISTING WORK DISTURBED WHILE INSTALLING NEW WORK TO ACCEPTABLE CONDITION AS DETERMINED BY ARCHITECT.
- I. DISCONNECT, REMOVE AND/OR RELOCATE EXISTING MATERIAL, EQUIPMENT AND OTHER WORK AS NOTED OR REQUIRED FOR PROPER INSTALLATION OF NEW SYSTEM.
- J. THE CONTRACTOR SHALL KEEP ALL EQUIPMENT AND MATERIALS, AND ALL PARTS OF THE BUILDING, EXTERIOR SPACES AND ADJACENT STREETS, SIDEWALKS AND PAVEMENTS, FREE FROM MATERIAL AND DEBRIS RESULTING FROM THE EXECUTION OF THIS WORK. EXCESS MATERIALS WILL NOT BE PERMITTED TO ACCUMULATE EITHER ON THE INTERIOR OR THE EXTERIOR.
- K. SEAL OPENINGS AROUND DUCTS AND PIPING THROUGH PARTITIONS, WALLS AND FLOORS (NOT IN SHAFTS) WITH APPROVED FLEESTOPPING METHODS.
- L. PROVIDE ALL NECESSARY FLASHING AND COUNTER FLASHING TO MAINTAIN THE WATERPROOFING INTEGRITY OF THIS BUILDING AS REQUIRED BY THE INSTALLATION OR REMOVAL OF PIPES, DUCTS, LOUVERS, CONDUIT, AND EQUIPMENT. PROVIDE EQUIPMENT CURBS AND DUNNAGE STEEL AS REQUIRED.
- M. ALL PRESENT MATERIAL, EQUIPMENT AND CONSTRUCTION DEBRIS TO BE REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR WITH THE EXCEPTION OF SPECIFIC EQUIPMENT AND APPARATUS REQUESTED BY THE BUILDING REPRESENTATIVE, ARCHITECT OR AS NOTED TO BE RELOCATED ON THE DRAWINGS SHALL BE PROPERLY DISPOSED OF BY THIS CONTRACTOR.
- N. MATERIALS AND WORKMANSHIP, UNLESS OTHERWISE NOTED, SHALL BE IN ACCORDANCE WITH BUILDING STANDARDS.
- O. THE WORK IN THE BUILDING SHALL BE DONE WHEN AND AS DIRECTED, AND IN A MANNER SATISFACTORY TO THE OWNER. THE WORK SHALL BE PERFORMED SO AS TO CAUSE THE LEAST POSSIBLE INCONVENIENCE AND DISTURBANCE TO THE PRESENT OCCUPANTS.
- P. THE CONTRACTOR'S PROPOSAL FOR ALL WORK SHALL BE PREDICATED ON THE PERFORMANCE OF THE WORK DURING REGULAR WORKING HOURS. WHEN SO DIRECTED, HOWEVER, THE CONTRACTOR SHALL INSTALL WORK IN OVERTIME AND THE ADDITIONAL COST TO BE CHARGED THEREFORE SHALL BE ONLY THE "PREMIUM" PORTION OF THE WAGES PAID.
- Q. UNLESS OTHERWISE SPECIFICALLY SPECIFIED, INCLUDE ALL CUTTING AND PATCHING OF EXISTING FLOORS, WALLS, PARTITIONS AND OTHER MATERIALS IN THE EXISTING BUILDING. THE CONTRACTOR SHALL RESTORE THESE AREAS TO ORIGINAL CONDITION.
- R. REMOVABLE ACCESS TILE AND/OR ACCESS DOOR ARE REQUIRED IN HUNG CEILINGS, SHAFTS AND WALLS FOR ALL VOLUME AND FIRE DAMPERS, AUTOMATIC DAMPERS AND ALL OTHER MECHANICAL EQUIPMENT AND DEVICES. HVAC CONTRACTOR TO FURNISH ACCESS LOCATION REQUIREMENTS TO GENERAL CONTRACTOR. ACCESS TILE IDENTIFICATION: PROVIDE BUTTONS, TABS, AND MARKERS TO IDENTIFY LOCATION OF CONCEALED VALVES, DAMPERS AND EQUIPMENT.
- S. ALL MATERIAL AND EQUIPMENT SHALL HAVE A UL, CSA, OR OTHER TESTING APPROVED AGENCY NUMBER. THIS INFORMATION MUST BE INCLUDED IN THE SUBMITTAL PACKAGE.
- T. ALL MATERIAL AND EQUIPMENT TO BE NEW UNLESS OTHERWISE NOTED AND SHALL BE IN ACCORDANCE WITH BUILDING STANDARDS.
- U. SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF THE EXISTING BUILDING, EQUIPMENT, ETC., WHICH AFFECT THIS WORK, AND THE ACCESS TO SUCH SPACES, HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. LATER CLAIMS SHALL NOT BE MADE FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN DURING SUCH AN EXAMINATION. THE ON-SITE INSPECTION SHALL VERIFY EXISTING DUCTWORK, PIPING (SIZES, CLEARANCES, ETC) AND CONDITIONS.
- V. INSURANCE COVERAGE SHALL BE IN ACCORDANCE WITH BUILDING REQUIREMENTS AND SHALL INCLUDE A HOLD HARMLESS CLAUSE FOR OWNER AND ENGINEER.
- W. THE FINAL ACCEPTANCE WILL BE MADE AFTER THE CONTRACTOR HAS ADJUSTED HIS EQUIPMENT, BALANCED THE VARIOUS SYSTEMS, DEMONSTRATED THAT IT FULFILLS THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS AND HAS FURNISHED ALL THE REQUIRED CERTIFICATES OF INSPECTION AND APPROVAL.

X. SPECIFICATIONS ARE OF SIMPLIFIED FORM AND INCLUDE INCOMPLETE SENTENCES. WORDS OR PHRASES SUCH AS "THE CONTRACTOR SHALL," "SHALL BE," "FURNISH," "PROVIDE," "A," "THE," AND "ALL" HAVE BEEN OMITTED FOR BREVITY.

Y. DEFINITIONS:

- 1) "PROVIDE": TO SUPPLY, INSTALL AND CONNECT UP COMPLETE AND READY FOR SAFE AND REGULAR OPERATION THE PARTICULAR WORK REFERRED TO UNLESS SPECIFICALLY OTHERWISE NOTED.
- 2) "INSTALL": TO ERECT, MOUNT AND CONNECT COMPLETE WITH RELATED ACCESSORIES.
- 3) "FURNISH" OR "SUPPLY": TO PURCHASE, PROCURE, ACQUIRE AND DELIVER COMPLETE WITH RELATED ACCESSORIES.
- 4) "WORK": LABOR, MATERIALS, EQUIPMENT, APPARATUS, CONTROLS, ACCESSORIES AND OTHER ITEMS REQUIRED FOR PROPER AND COMPLETE INSTALLATION.
- 5) "CONCEALED": EMBEDDED IN MASONRY OR OTHER CONSTRUCTION, INSTALLED IN FURRED SPACES, WITHIN DOUBLE PARTITIONS OR HUNG CEILINGS, IN TRENCHES, IN CRAWL SPACES, OR IN ENCLOSURES.
- 6) "EXPOSED": NOT INSTALLED UNDERGROUND OR "CONCEALED" AS DEFINED ABOVE.
- 7) "SIMILAR" OR "EQUAL": EQUAL IN MATERIALS, WEIGHT, SIZE, DESIGN AND EFFICIENCY OF SPECIFIED PRODUCT.

2. SCOPE OF WORK

- A. THE WORK UNDER CONTRACT INCLUDES ALL LABOR, MATERIALS AND APPLIANCES NECESSARY FOR THE FURNISHING, INSTALLATION AND TESTING, COMPLETE AND READY FOR SAFE OPERATION OF THE SYSTEMS. WORK SHALL BE INSTALLED IN A NEAT, WORKMANLIKE MANNER.
- B. THE CONTRACTOR SHALL GIVE NECESSARY NOTICE, OBTAIN PERMITS OR LICENSES NECESSARY TO CARRY OUT THIS WORK AND PAY ALL FEES THEREFORE. THE CONTRACTOR SHALL ARRANGE FOR INSPECTION AND TESTS OF ANY OR ALL PARTS OF THE WORK IF SO REQUIRED BY AUTHORITIES AND PAY ALL CHARGES FOR SAME EXCEPT REQUIRED PROGRESS AND SPECIAL INSPECTIONS. THE CONTRACTOR SHALL PAY ALL COSTS FOR, AND FURNISH TO THE OWNER BEFORE FINAL BILLING, ALL CERTIFICATES NECESSARY AS EVIDENCE THAT THE WORK INSTALLED CONFORMS WITH ALL REGULATIONS WHERE THEY APPLY TO THIS WORK.
- C. THE CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE TO REPLACE OR REPAIR PROMPTLY AND ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED FOR ANY WORKMANSHIP AND EQUIPMENT IN WHICH DEFECTS DEVELOP WITHIN ONE YEAR FROM THE DATE OF FINAL CERTIFICATE FOR PAYMENT AND/OR FROM DATE OR ACTUAL USE OF EQUIPMENT OR OCCUPANCY OF SPACES, BY OWNER, INCLUDED UNDER THE VARIOUS PARTS OF THE WORK, WHICHEVER DATE IS EARLIER. THIS WORK SHALL BE DONE AS DIRECTED BY THE OWNER. THIS GUARANTEE SHALL ALSO PROVIDE THAT WHERE DEFECTS OCCUR, THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED IN REPAIRING AND REPLACING WORK OF OTHER TRADES AFFECTED BY DEFECTS, REPAIRS OR REPLACEMENTS IN EQUIPMENT SUPPLIED BY THE CONTRACTOR.
- D. PROGRESS AND SPECIAL INSPECTIONS SHALL BE PERFORMED BY A LICENSED SPECIAL INSPECTION AGENCY OR A PROFESSIONAL ENGINEER TO BE HIRED BY THE OWNER.
- E. PRIOR TO THE INSTALLATION OF ANY WORK AND PROCUREMENT OF EQUIPMENT PROVIDE COMPLETE SET OF COORDINATED SHOP DRAWINGS OF ALL NEW AND EXISTING EQUIPMENT, DUCTWORK, PIPING AND CONTROL SYSTEMS INDICATING CAPACITY DIMENSIONS AND SEQUENCE OF OPERATION FOR WRITTEN APPROVAL BY THE ARCHITECT AND ENGINEER.

3. SHOP DRAWINGS

- A. INDICATE ON EACH SUBMISSION: PROJECT NAME AND LOCATION, ARCHITECT AND ENGINEER, ITEM IDENTIFICATION AND APPROVAL STAMP OF PRIME CONTRACTOR.
- B. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SUBMITTALS INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
  - 1) DUCTWORK LAYOUT AND SHEET METAL DESIGNS.
  - 2) AIR OUTLETS.
  - 3) AIR BALANCE REPORT.
  - 4) PIPING LAYOUT.
  - 5) DUCT INSULATION AND SCHEDULE OF INSULATION.
  - 6) PIPING INSULATION AND SCHEDULE OF INSULATION.
  - 7) OPERATING SEQUENCES.
  - 8) AUTOMATIC CONTROL SYSTEMS AND DEVICES.
- C. CONTRACTOR SHALL SUBMIT A PDF OR TIFF FILE TO ARCHITECT THROUGH PREVIOUSLY DISCUSSED AND APPROVED METHOD (EMAIL, SUBMITTAL EXCHANGE PROGRAM, ETC). SUBMITTAL WILL THEN BE FORWARDED TO RELEVANT PARTIES FOR REVIEW.
- D. UNLESS OTHERWISE APPROVED, PROVIDE ALL MECHANICAL EQUIPMENT SUBMITTALS AND SHOP DRAWINGS AT ONE TIME.
- E. PROVIDE A SEPARATE TRANSMITTAL FOR EACH SUBMITTAL ITEM. TRANSMITTALS SHALL INDICATE PRODUCT BY SPECIFICATION SECTION NAME AND NUMBER. SEPARATE ALL SUBMITTALS INTO APPROPRIATE SPECIFICATION SECTION NUMBER. DO NOT COMBINE SPECIFICATION SECTIONS.
- F. SUBMIT ONLY PAGES WHICH ARE PERTINENT TO THE PROJECT. ALL OPTIONS WHICH ARE INDICATED ON THE PRODUCT DATA SHALL BECOME PART OF THE CONTRACTOR AND SHALL BE REQUIRED WHETHER SPECIFIED OR NOT.
- G. MARK EACH COPY OF STANDARD PRINTED DATA TO IDENTIFY PERTINENT PRODUCTS, REFERENCED TO SPECIFICATION SECTION AND ARTICLE NUMBER.
- H. SHOW REFERENCE STANDARDS, PERFORMANCE CHARACTERISTICS AND CAPACITIES; WIRING AND PIPING DIAGRAMS AND CONTROLS; COMPONENT PARTS; FINISHES; DIMENSIONS AND REQUIRED CLEARANCES.
- I. MODIFY MANUFACTURER'S STANDARD SCHEMATIC DRAWINGS AND DIAGRAMS TO SUPPLEMENT STANDARD INFORMATION AND TO PROVIDE INFORMATION SPECIFICALLY APPLICABLE TO THE WORK. DELETE INFORMATION NOT APPLICABLE.
- J. THE ENGINEER WILL REVIEW THE ORIGINAL SUBMITTAL AND ONE RESUBMITTAL FOR THE SAME PRODUCT. ADDITIONAL RESUBMITTALS WILL BE REVIEWED ON AN HOURLY RATE, PAYABLE BY THE CONTRACTOR.
- K. PARTIAL SUBMITTALS OR SUBMITTALS NOT PROPERLY FORMATTED AS INDICATED ABOVE, ARE

SUBJECT TO RETURN WITHOUT REVIEW FOR THE CONTRACTOR TO CORRECT.

4. SHEET METAL WORK

- A. EXCEPT AS OTHERWISE SHOWN OR NOTED, ALL DUCTWORK AND OTHER SHEET METAL WORK SHALL BE RECTANGULAR GALVANIZED SHEET STEEL AND SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, INC. DUCT CONSTRUCTION STANDARDS, PRESSURE CLASSIFICATION 2 IN. W.G., SEALANT CLASS A.
- B. VOLUME DAMPERS: GALVANIZED STEEL, PER SMACNA "LOW VELOCITY MANUAL," EXCEPT PROVIDE BEARING AT ONE END OF DAMPER ROD AND QUADRANT, WITH LEVER AND LOCKSCREW AT OTHER END. FOR INSULATED DUCTS, QUADRANTS MOUNTED ON COLLAR TO CLEAR INSULATION. INSTALL WITH LEVERS ACCESSIBLE.
- C. ACCESS DOORS: INSULATED OR UNINSULATED, SAME AS DUCT.
  - 1) PROVIDE MINIMUM 20 IN. X 14 IN. ON MAIN DUCTS, AND 12 IN. X 6 IN. ON BRANCH DUCTS, UNLESS OTHERWISE APPROVED, AT FIRE DAMPERS, AND AT ALL DUCT ACCESSORIES SUCH AS HUMIDIFIERS, DUCT SMOKE DETECTORS, AUTO DAMPERS, AND LOUVERS.
  - 2) ALL ACCESS DOORS TO BE HINGED, WITH LATCH SIMILAR TO VENTLOCK NO. 100.
- D. TURNING VANES: GALVANIZED STEEL SMALL DOUBLE-THICKNESS VANES WITH 2 IN. INSIDE RADIUS.
- E. FIRE DAMPERS: UL LISTED, GALVANIZED STEEL CONSTRUCTION, MULTIBLADED TYPE, SPRING LOADED, EQUIPPED WITH FUSIBLE LINK, CONFORMING TO NFPA STANDARD 90A AND APPROVED BY NEW YORK CITY BOARD OF STANDARDS AND APPEALS FOR NYC CAL-100-65-5M. SIMILAR TO AIR BALANCE MODEL 319-P, RATED AS REQUIRED. SEE INSTALLATION ON DRAWING.
- F. ALL DUCT DIMENSIONS INDICATED ON PLANS ARE INSIDE CLEAR DIMENSIONS.
- G. WIRE MESH SCREEN (WMS): NO. 16 USSG, 1/2 SQUARE MESH, IN 1 IN. WIDE GALVANIZED STEEL ENCLOSING FRAME. FLANGED DUCT OPENING TO RECEIVE FRAME.
- H. LOW PRESSURE FLEXIBLE DUCT: SHALL BE A FACTORY FABRICATED HIGH TEMPERATURE COPOLYMER IMPREGNATED GLASS FABRIC, LOCKED TO COLD ROLLED FLAT STEEL SPIRAL. SIMILAR TO WIREMOLD 57. MAXIMUM INSTALLED LENGTH SHALL NOT EXCEED 18 IN.

5. AIR OUTLETS

- A. GENERAL:
  - 1) MARGIN TYPES, COLORS, FINISH AND METHODS OF ATTACHMENT FOR ALL DIFFUSERS, GRILLES AND REGISTERS SHALL BE COORDINATED WITH ARCHITECTURAL CEILING AND WALL DETAILS AND SPECIFICATIONS.
  - 2) FRAME TYPE SUITABLE FOR MOUNTING IN CEILING OR WALL CONSTRUCTION AS INDICATED ON ARCHITECTURAL PLANS.
  - 3) EXACT LOCATION OF ALL AIR OUTLETS AS PER ARCHITECTURAL PLANS.
  - 4) SUITABLE FOR OPERATION AT 20% EXCESS AND 20% LESS THAN NOTED CAPACITY FOR CONSTANT VOLUME SYSTEMS AND AT 20% EXCESS AND 60% LESS THAN NOTED CAPACITY FOR VARIABLE VOLUME SYSTEMS. MANUFACTURER RESPONSIBLE FOR EXAMINING APPLICATION OF EACH OUTLET AND GUARANTEE THAT EACH WILL PROVIDE REQUIRED NC LEVELS AND COMFORT SPACE CONDITIONS WITHOUT DRAFTS THROUGHOUT OPERATING RANGE.
- B. SQUARE DIFFUSERS: DIFFUSERS SHALL BE STEEL CONSTRUCTION PAINTED WHITE SIMILAR TO ANEMOSTAT DDC SUITABLE FOR THE TYPE OF CEILING.
- C. REGISTERS AND GRILLES:
  - 1) RETURN DIFFUSER: STEEL CONSTRUCTION WITH VOLUME DAMPER. SIMILAR TO TITUS FLOBAR LINEAR DIFFUSER FL-10.
  - 2) SUPPLY DIFFUSER: STEEL CONSTRUCTION WITH VOLUME DAMPER. SIMILAR TO TITUS FLOBAR LINEAR DIFFUSER FL-10.

6. NOISE CONTROL

- A. ALL ROOM NC LEVELS SHALL BE 35 OR LESS.
- B. PROVIDE SOUNDLINING FOR THE FOLLOWING DUCTWORK:
  - 1) FULL LENGTH OF DUCTWORK SERVING CONFERENCE ROOMS.
  - 2) ALSO WHERE NOTED ON A DRAWING.
- C. SOUNDLINING IN DUCTWORK: FIBROUS GLASS, MINIMUM 3 LB DENSITY, 1 IN. THICKNESS, MAXIMUM 0.25 K FACTOR AT 75 DEG F MEAN TEMPERATURE WITH ACRYLIC COATED FINISH FACTORY APPLIED EDGE COATING AND STENCILED IN ACCORDANCE WITH NFPA 90. FLAMESPREAD SHALL BE A MAXIMUM OF 25. LINING SHALL NOT SUPPORT MICROBIAL GROWTH AND SHALL BE TESTED IN ACCORDANCE WITH ASTM C 1071 AND ASTM G21/G22. SIMILAR TO MANVILLE PERMACOTE LINA COUSTIC.
- D. ALL SOUNDLINING, ADHESIVES, FACES AND ACCESSORIES TO BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, EXCEPT AS OTHERWISE NOTED.

7. TESTING AND BALANCING

- A. AIR BALANCING SHALL BE ACCOMPLISHED BY ADJUSTMENT OF FANS AND BRANCH DAMPERS FOR MAJOR ADJUSTMENTS. ADJUSTMENT OF TERMINAL DAMPERS AND DEVICES SHALL BE FOR TRIM OR MINOR ADJUSTMENT ONLY. THIS SHALL BE DONE TO PERMIT THE LEAST NOISE GENERATION IN THE TERMINAL AREAS AND UTILIZE MINIMUM FAN ENERGY.
- B. WATER BALANCING SHALL BE ACCOMPLISHED BY ADJUSTMENT OF BALANCING VALVES AT PUMPS FOR PROPER FLOW. ADJUST FLOW THROUGH BOILERS, CHILLERS, HEAT EXCHANGERS AND COILS AS REQUIRED.
- C. UPON COMPLETION OF THE INSTALLATION, THE CONTRACTOR SHALL REBALANCE ANY EXISTING PORTIONS OF AIR DISTRIBUTION SYSTEM AND WATER DISTRIBUTION SYSTEM AFFECTED BY THE RENOVATION AND ALSO BALANCE ALL NEW WORK.
- D. THE CONTRACTOR SHALL PROVIDE ALL LABOR, PRESSURE GAUGES, FLOW METERS, SHEAVES, TEST PORTS, ACCESS, AND BELTS REQUIRED TO BALANCE SYSTEMS.
- E. BALANCING REPORT SHALL BE PROVIDED ON AABC-TYPE FORMS.
- F. AIR AND WATER QUANTITIES SHALL BE BALANCED TO WITHIN +10% OF THE DESIGN QUANTITIES.
- G. BALANCING AND TESTING SHALL BE PERFORMED AND SUPERVISED BY A COMPANY WITH ONE OF THE FOLLOWING CERTIFICATIONS AND AT LEAST 5 YEARS' EXPERIENCE:
  - 1) AABC, ASSOCIATED AIR BALANCE COUNCIL

# PURCHASE COLLEGE

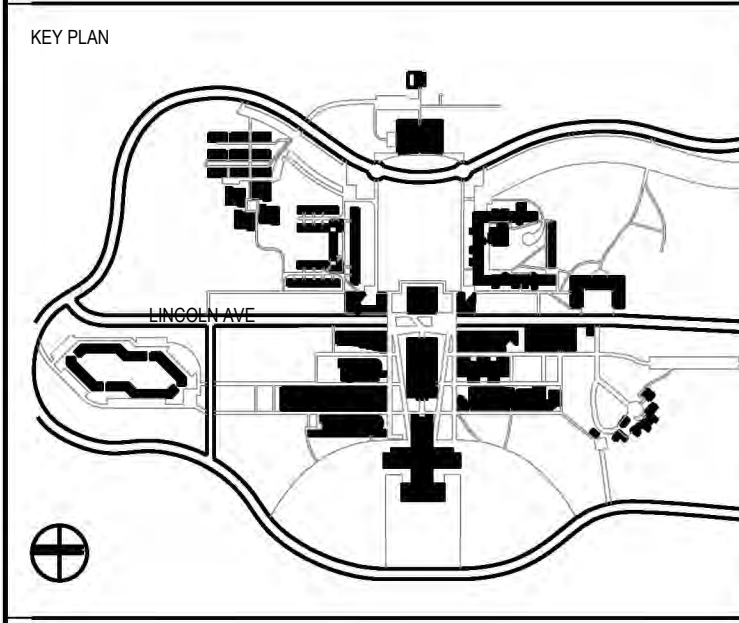
## STATE UNIVERSITY OF NEW YORK PERFORMING ARTS CENTER

### ADMISSIONS CONFERENCE ROOM

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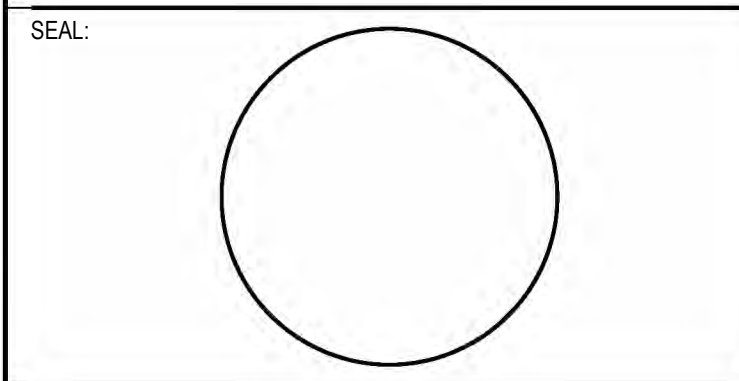
**MEP ENGINEER COLLADO ENGINEERING**  
 445 HAMILTON AVE. S-TE 608, WHITE PLAINS, NY 10601  
 CONTACT GEORGE ASPRAS  
 T 914-332-7658  
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CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS & DIMENSIONS AND BE RESPONSIBLE FOR FIELD FIT AND QUANTITY OF WORK. NO ALLOWANCES SHALL BE MADE ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLECT ON HIS PART.

BUILDING DEPARTMENT NOTE:  
 THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

## COORDINATION ISSUE



NO	DATE	DESCRIPTION	ISSUES
02	01.22.2026	ISSUED FOR BID	
01	09.27.2024	ISSUED FOR 90% REVIEW	

CONTRACT NUMBER SU 022626  
 CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:  
**MECHANICAL SPECIFICATIONS**  
**1 OF 3**

DRAWING NUMBER DRAWING 9 OF 11

# M-500.0

PLOT DATE: 7/20/2024 3:24 PM  
 SAVE DATE: 9/27/2024 10:35 AM

- 2) NEBB, NATIONAL ENVIRONMENTAL BALANCING BUREAU
- 3) TABB, THE TESTING, ADJUSTING, AND BALANCING BUREAU OF NATIONAL ENERGY MANAGEMENT INSTITUTE
- H. THE PERFORMANCE AND CAPACITY OF ALL SYSTEMS AND EQUIPMENT TO BE DEMONSTRATED BY THE CONTRACTOR.

**8. INSULATION – GENERAL REQUIREMENTS**

A. ALL INSULATION MATERIALS, INCLUDING JACKETS, FACING, ADHESIVE, COATINGS, AND ACCESSORIES ARE TO BE FIRE HAZARD RATED AND LISTED BY UNDERWRITERS LABORATORIES, INC. USING STEINER TUNNEL TEST METHOD FOR FIRE HAZARD CLASSIFICATION OF BUILDING MATERIALS, STANDARD UL 723 (ASTM E-84), (ASA A2.5-1963). FLAMESPREAD: MAXIMUM 25. FUEL CONTRIBUTED AND SMOKE DEVELOPED: MAXIMUM 50. FLAMEPROOFING TREATMENTS SUBJECT TO DETERIORATION FROM MOISTURE OR HUMIDITY ARE NOT ACCEPTABLE.

**B. DEFINITIONS:**

- 1) EXPOSED: INDOOR DUCTS, PIPING OR EQUIPMENT LOCATED IN MECHANICAL EQUIPMENT ROOMS AND IN AREAS WHICH WILL BE VISIBLE WITHOUT REMOVING CEILINGS OR OPENING ACCESS PANELS.
- 2) CONCEALED: INDOOR DUCTS, PIPING OR EQUIPMENT WHICH IS NOT EXPOSED.
- 3) OUTDOOR: DUCTS, PIPING OR EQUIPMENT WHICH IS EXPOSED TO THE WEATHER.

**9. DUCTWORK INSULATION**

A. INSULATE ALL DUCTWORK IN ACCORDANCE WITH INSULATION SCHEDULE SHOWN IN SCHEDULES SHEET EXCEPT AS OTHERWISE NOTED.

B. REINSULATE ALL DUCTWORK AND PIPING WHICH IS EXISTING AND DAMAGED DURING CONSTRUCTION OR SHOWN OR REQUIRED TO BE RELOCATED. INSULATE WITH SAME MATERIAL AND THICKNESS.

**C. NON-INSULATED DUCTWORK:**

- 1) WHERE SOUNDLINING IS OF MINIMUM THICKNESS SPECIFIED FOR INSULATION.
- 2) AIR CONDITIONING SUPPLY AIR DUCTWORK EXPOSED ON GROUND FLOOR, MEZZANINE LEVEL AND CONCOURSE LEVEL, SALES AREA ONLY.
- 3) AIR CONDITIONING RETURN AIR DUCTWORK EXPOSED IN AIR CONDITIONED SPACES AND INSTALLED IN HUNG CEILINGS WHERE SPACE IMMEDIATELY ABOVE AND BELOW ARE BOTH AIR CONDITIONED.

**D. MATERIAL:**

- 1) TYPE D-1: MINIMUM 1-LB DENSITY FIBERGLASS BLANKET, MAXIMUM 0.28 K-FACTOR AT 75 DEG F MEAN TEMPERATURE WITH FACTORY-APPLIED FOIL-SKRIM-KRAFT FACING SIMILAR TO MANVILLE MICROLITE.
- 2) TYPE D-2: 3 LB. FIBERGLASS BOARD. THE MAXIMUM K FACTOR SHALL BE 0.23 AT 75 DEG F MEAN TEMPERATURE WITH A MINIMUM DENSITY OF 3 LB. THE INSULATION SHALL BE PROVIDED WITH A FACTORY-APPLIED ALL PURPOSE OR ALL SERVICE FACING. THE INSULATION SHALL BE EQUAL TO MANVILLE TYPE 814 SPIN-GLASS AP.
- 3) TYPE D-3: MINIMUM 6 LB FIBERGLASS BOARD. MAXIMUM 0.22 K-FACTOR AT 75 DEG F MEAN TEMPERATURE WITH FACTORY APPLIED ALL PURPOSE OR ALL SERVICE FACING. SIMILAR TO MANVILLE 817 SPIN-GLASS AP.

**E. INSTALLATION:**

- 1) FIBERGLASS BLANKET: 2 IN. LAP STRIPS AT ALL SEAMS. SECURE BOTTOM OF ALL DUCTS OVER 24 IN. WIDE WITH MIN. 2 ROWS OF WELD PINS 12 IN. ON CENTER. SECURE ALL SEAMS WITH FOIL VAPOR BARRIER TAPE AND VAPORSEAL ADHESIVE.
- 2) FIBERGLASS BOARD: SEAL JOINTS AND BREAKS IN FACING WITH 3 IN. WIDE TAPE TO MATCH FACING AND ADHERE WITH VAPOR SEAL ADHESIVE. APPLY 5 IN. WIDE TAPE AT CORNERS, WELD PINS ON TOP, SIDES AND BOTTOM.

**10. PIPING INSULATION**

A. INSULATE ALL PIPING IN ACCORDANCE WITH PIPE INSULATION DETAIL EXCEPT AS OTHERWISE NOTED.

**B. PIPING, VALVES AND FITTINGS TO BE INSULATED:**

- 1) LOW TEMPERATURE HOT PIPING SYSTEMS – 100 TO 250 DEG F INCLUDING:
  - a. LOW TEMPERATURE HOT WATER SUPPLY AND RETURN.

**C. MATERIAL:**

- 1) TYPE P-1: MINIMUM 4 LB DENSITY MOLDED FIBERGLASS, MAXIMUM 0.23 K-FACTOR AT 75 DEG F MEAN TEMPERATURE WITH FACTORY-APPLIED FIRE-RETARDANT FOIL-SKRIM-KRAFT FACING. ALL SERVICE JACKET. SIMILAR TO OWENS-CORNING 650 ASJ.
- 2) TYPE P-3: MINIMUM 4 LB DENSITY MOLDED FIBERGLASS FITTING, MAXIMUM 0.23 K-FACTOR AT 75 DEG F MEAN TEMPERATURE SIMILAR TO EPOLUX HAMFAB MOLDED FITTINGS.
- 3) TYPE P-4: MINIMUM 1 LB DENSITY FIBERGLASS FITTING INSERTS, MAXIMUM 0.28 K-FACTOR AT 75 DEG F MEAN TEMPERATURE SIMILAR TO MANVILLE HI-LO TEMP INSULATION INSERTS.
- 4) TYPE P-6: MINIMUM 6 LB MOLDED FOAMED PLASTIC. MAXIMUM 0.27 K-FACTOR AT 75 DEG F MEAN TEMPERATURE. MAXIMUM 0.17 PERMEANCE. SIMILAR TO ARMSTRONG ARMAFLEX II.

**D. FINISH:**

- 1) TYPE F-1: FITTING COVER, MOLDED WHITE PVC JACKET, UL CLASS 1, MAXIMUM PERMEANCE 0.05 SIMILAR TO MANVILLE ZESTRON.
- 2) TYPE F-2: WHITE VAPOR BARRIER COATING WITH 10X10 OR 20X20 MESH WHITE GLASS, POLYESTER OR NYLON CLOTH REINFORCING MEMBRANE, MINIMUM 31 MIL DRY FILM THICKNESS, SIMILAR TO FOSTER TITE-FIT, UL LABEL.
- 3) TYPE F-4: ALUMINUM JACKETING WITH MINIMUM 0.016 IN. WALL THICKNESS AND LONGITUDINAL JOINTS WITH LOCK SEAMS.
- 4) TYPE F-6: WHITE FINISHING AND INSULATING CEMENT APPLIED OVER HEXAGONAL WIRE MESH. CEMENT SIMILAR TO KEENE SUPERSLICK.

**E. INSTALLATION:**

- 1) BEFORE APPLYING INSULATION ALL PRESSURE AND LEAK TESTS SHALL BE COMPLETED AND APPROVED.
- 2) ALL INSULATION SHALL BE BUTTED FIRMLY TOGETHER. PROVIDE 2 IN. LAP STRIPS AT ALL SEAMS SECURED WITH ADHESIVE. USE VAPOR BARRIER TAPE AND VAPORSEAL ADHESIVE WHERE REQUIRED. STAPLES NOT PERMITTED. REFRIGERANT PIPING INSULATION SHALL HAVE MITERED FITTINGS.
- 3) ALL INSULATION AND VAPOR BARRIERS SHALL BE CONTINUOUS PASSING THROUGH SLEEVES, HANGERS, ETC., OR OTHER OPENINGS. PROVIDE SADDLES OR SHIELDS FOR PROTECTION.
- 4) INSULATION FOR STRAINERS OR OTHER FITTINGS OR ACCESSORIES REQUIRING SERVICING OR INSPECTION SHALL HAVE INSULATION REMOVABLE AND REPLACEABLE WITHOUT DAMAGE.

**11. PIPING – GENERAL REQUIREMENTS**

A. COMPLETE WITH: PIPE, FITTINGS, VALVES, STRAINERS, MOTORIZED VALVE OPERATORS, STRAINERS, HANGERS, SUPPORTS, GUIDE, SLEEVES, AND ACCESSORIES.

B. ALL ITEMS SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FOLLOWING CODES AND STANDARDS:

- 1) AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME).
- 2) AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).
- 3) AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).

4) MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE AND FITTING INDUSTRY (MSS).

C. ALL PRESSURIZED PIPING TO BE TESTED HYDROSTATICALLY TO 150 PSI OR 150% OF OPERATING PRESSURE, WHICHEVER IS GREATER, BUT NEVER EXCEED TEST PRESSURE ANSI B16.1 BASIS. TEST DURATION TO BE 2 HOURS WITH NO PRESSURE CHANGE CORRECTED FOR TEMPERATURE CHANGE. REPAIR OR REPLACE LEAKS OR DEFECTS WITHOUT ADDITIONAL COST.

D. PROVIDE DIELECTRIC FITTINGS WHERE DISSIMILAR METALS ARE TO BE JOINED.

**E. PIPE SUPPORTS:**

1) PROVIDE ADEQUATE SUPPORT FOR PIPE AND CONTENTS TO PREVENT SAGGING, VIBRATION, OR SWAYING AND ALLOW FOR EXPANSION AND CONTRACTION. PROVIDE SUPPLEMENTAL STEEL AS REQUIRED WHERE STRUCTURE CANNOT SUPPORT POINT LOADS.

2) HORIZONTAL PIPING TO BE SUPPORTED BY FORGED STEEL ADJUSTABLE CLEVIS TYPE HANGER. MAXIMUM SPACING AS FOLLOWS:

- a. STEEL 1 IN. AND SMALLER: 7 FT.
- b. STEEL 1-1/4 IN. AND LARGER: 10 FT.
- c. COPPER 3 IN. AND SMALLER: 7 FT.

d. ADDITIONAL SUPPORTS AT CHANGES IN DIRECTION, RUNOUTS, AND CONCENTRATED LOADS DUE TO VALVES, ETC.

3) VERTICAL PIPING:

a. BASE ELBOW SUPPORT WITH BEARING PLATE ON STRUCTURAL SUPPORT.

b. GUIDES AT EVERY SECOND FLOOR (SPACING NOT TO EXCEED 25 FT).

c. TOP SUPPORT HANGER OR SADDLE IN HORIZONTAL CONNECTION WITH PROVISIONS FOR EXPANSION.

d. INTERMEDIATE STEEL RISER CLAMP SUPPORT BOLTED AND WELDED TO PIPE BEARING ON STRUCTURAL STEEL OR BEARING PLATE AT FLOOR.

**12. LOW TEMPERATURE WATER SYSTEMS, BELOW 100 PSIG, -20 TO 200 DEG F OPERATING TEMPERATURES.**

A. PIPE: STEEL IN ACCORDANCE WITH ASTM A53 OR A120, WITH SCHEDULE 40 WALL THICKNESSES TO 10 IN.

1) RUNOUTS TO EQUIPMENT AND COILS: COPPER, TYPE L, HARD DRAWN IN ACCORDANCE WITH ASTM B88.

**B. FITTINGS:**

1) 2 IN. AND SMALLER: 125 LB WSP CAST IRON THREADED FITTINGS SHALL BE IN ACCORDANCE WITH ANSI B16.4., CAST IRON FLANGED FITTINGS SHALL BE IN ACCORDANCE WITH ANSI B16.1.

2) 2-1/2 IN. AND LARGER WELDED: BUTT WELD FITTINGS SAME WEIGHT AS PIPING AND IN ACCORDANCE WITH ANSI B16.9.

3) COPPER: WROUGHT COPPER, SOLDERED, 95/5TA, ANSI B16.22.

**C. VALVES:**

1) GATE VALVES:

a. 2 IN. AND SMALLER: BRONZE THREADED ENDS, SOLID WEDGE, INSIDE SCREW, TRAVELING STEM UNION BONNET. 150 LB WSP: JENKINS FIG. 47U.

b. 2-1/2 IN. AND LARGER: IRON BODY, BRONZE MOUNTED, SOLID WEDGE OS&Y RISING SPINDLE FLANGED. 125 LB WSP. JENKINS FIG. 651-C.

2) SILENT CHECK VALVES, SPRING LOADED, GLOBE TYPE, FLANGED: TO 250 PSIG CHECK VALVES SHALL BE IRON BODY, BRONZE TRIM. SIMILAR TO MUESSCO TYPE 103AP OR 107-AP.

3) LUBRICATED PLUG VALVES:

a. SCREWED ENDS UP TO 2 IN., FLANGED 2-1/2 IN. AND LARGER.

b. SYSTEM LESS THAN 100 PSIG. VALVE SHALL BE MINIMUM 200 LB WOG CLASS CAST IRON BODY. ROCKWELL-NORDSTROM NUMBERS 114, 115, 185 AND 149.

4) Y-TYPE STRAINERS:

a. PROVIDE SCREWED ENDS TO 2 IN. AND FLANGED 2-1/2 IN. AND LARGE WITH BODY AS FOLLOWS: TO 100 PSIG: 125 LB WSP CLASS, CAST IRON.

b. SCREENS TO BE 316 STAINLESS STEEL.

c. PROVIDE SCREWED WITH FACED CAP, STRAIGHT THREAD AND GASKET, SIMILAR TO MUELLER STEAM SPECIALTY MUESSCO NO. 11. PROVIDE FLANGED WITH BOLTED COVER SIMILAR TO MUELLER STEAM SPECIALTY MUESSCO NO. 751 OR NO. 752.

D. PROVIDE 1/2 IN. DRAIN VALVE WITH CAPPED HOSE CONNECTION AT ALL LOW POINTS. PROVIDE 3/4 IN. GATE VALVE TO DRAIN SYSTEMS IN EQUIPMENT ROOMS.

E. PROVIDE MANUAL AIR VENTS LINE SIZE AIR CHAMBER WITH 1/2 IN. GLOBE VALVE AT ALL HIGH POINTS AND WHERE FLOW DIRECTION CHANGES FROM HORIZONTAL TO DOWNWARD.

**13. VAV BOXES WITH REHEAT COILS**

A. TERMINALS SHALL BE CERTIFIED UNDER THE ARI STANDARD 880 CERTIFICATION PROGRAM AND CARRY THE ARI SEAL.

B. THE TERMINAL CASING SHALL BE MINIMUM 22-GAUGE GALVANIZED STEEL, INTERNALLY LINED WITH 1/2-INCH DUAL DENSITY INSULATION WHICH COMPLIES WITH UL 181 AND NFPA 90A. ALL EXPOSED INSULATION EDGES SHALL BE COATED WITH NFPA 90A APPROVED SEALANT TO PREVENT ENTRAINMENT OF FIBERS IN THE AIRSTREAM. THE DISCHARGE CONNECTION SHALL BE SLIP AND DRIVE CONSTRUCTION FOR ATTACHMENT TO METAL DUCTWORK. THE CASING SHALL BE CONSTRUCTED TO HOLD LEAKAGE TO THE MAXIMUM VALUES SHOWN IN THE CASING LEAKAGE TABLE.

C. THE DAMPER SHALL BE HEAVY GAUGE STEEL WITH SHAFT ROTATING IN DELRIN® SELF-LUBRICATING BEARINGS. NYLON BEARINGS ARE NOT ACCEPTABLE. SHAFT SHALL BE CLEARLY MARKED ON THE END TO INDICATE DAMPER POSITION. STICKERS OR OTHER REMOVABLE MARKINGS ARE NOT ACCEPTABLE. THE DAMPER SHALL INCORPORATE A MECHANICAL STOP TO PREVENT OVERSTROKING AND A SYNTHETIC SEAL TO LIMIT CLOSE-OFF LEAKAGE TO THE MAXIMUM VALUES SHOWN IN THE DAMPER LEAKAGE TABLE.

D. ACTUATORS SHALL BE CAPABLE OF SUPPLYING AT LEAST 35-INCH LBS. OF TORQUE TO THE DAMPER SHAFT AND SHALL BE MOUNTED EXTERNALLY FOR SERVICE ACCESS. TERMINALS WITH INTERNAL ACTUATOR MOUNTING OR LINKAGE CONNECTION MUST INCLUDE GASKETED ACCESS PANEL, REMOVABLE WITHOUT DISTURBING DUCTWORK. CASING WITH ACCESS PANEL SHALL BE CONSTRUCTED TO HOLD LEAKAGE TO THE MAXIMUM VALUES SHOWN IN THE CASING LEAKAGE TABLE.

**E. ACCESSORIES:**

1) HOT WATER REHEAT COILS SHALL BE ENCLOSED IN A MINIMUM 20-GAUGE GALVANIZED STEEL CASING WITH SLIP AND DRIVE CONSTRUCTION FOR ATTACHMENT TO METAL DUCTWORK. COILS SHALL BE FACTORY INSTALLED ON THE TERMINAL DISCHARGE. FINIS SHALL BE RIPPED AND CORRUGATED HEAVY GAUGE ALUMINUM, MECHANICALLY BONDED TO TUBES. TUBES SHALL BE COPPER WITH MINIMUM WALL THICKNESS OF 0.016-INCH WITH MALE SOLDER HEADER CONNECTIONS. COILS SHALL BE LEAK TESTED TO 300 PSI WITH MINIMUM BURST PRESSURE OF 1800 PSI AT AMBIENT TEMPERATURE. NUMBER OF COIL ROWS AND CIRCUITS SHALL BE SELECTED TO PROVIDE PERFORMANCE AS REQUIRED PER THE PLANS. THE PLANS. COIL PERFORMANCE DATA SHALL BE BASED ON TESTS RUN IN ACCORDANCE WITH ARI STANDARD 410.

2) FIBRE-FREE LINER: THE TERMINAL CASING SHALL BE MINIMUM 22-GAUGE GALVANIZED STEEL, INTERNALLY LINED WITH ENGINEERED POLYMER FOAM INSULATION WHICH COMPLIES TO UL181 AND NFPA 90A. INSULATION SHALL BE 1 1/2 POUND DENSITY, CLOSED CELL FOAM. EXPOSED FIBERGLASS IS NOT ACCEPTABLE. THE INSULATION SHALL BE MECHANICALLY FASTENED TO THE UNIT CASING. THE CASING SHALL BE CONSTRUCTED TO HOLD LEAKAGE TO THE MAXIMUM VALUES SHOWN IN THE CASING LEAKAGE TABLE.

**14. AUTOMATIC CONTROLS – GENERAL REQUIREMENTS**

A. FURNISH AND INSTALL A COMPLETE ELECTRIC OR ELECTRONIC CONTROL SYSTEM TO PROVIDE TEMPERATURE CONTROL AS SPECIFIED UNDER DESCRIPTION OF OPERATION FOR THE VAV BOX AND ASSOCIATED HOT WATER REHEAT COIL.

B. WORK SHALL INCLUDE ALL WIRING, CONTROL EQUIPMENT, AND ACCESSORIES NECESSARY TO MAKE THIS SYSTEM COMPLETE. ALL WIRING SHALL BE 24 VOLT. COORDINATE WITH MANUFACTURER FOR INTERCONNECTION WITH CONTROLS INCLUDED IN EQUIPMENT. ALL CONTROL WORK SHALL BE INSTALLED BY HVAC CONTRACTOR.

**C. ACCEPTABLE MANUFACTURERS:**

- 1) SIEMENS (BUILDING CONTROLS VENDOR).

**15. SEQUENCE OF OPERATION:**

**A. VAV BOX WITH HOT WATER REHEAT COIL:**

1) VAV TERMINAL BOXES WITH REHEAT COILS SHALL PERFORM AIRFLOW TRACKING AND TEMPERATURE CONTROL. REFER TO THE VAV BOX SCHEDULE FOR ALL ACTUAL MAXIMUM OCCUPIED CFM, MINIMUM OCCUPIED CFM, MINIMUM UNOCCUPIED CFM AND MINIMUM REHEAT CFM SET POINT VALUES..

2) PROVIDE ALL NECESSARY CONTROLS, ACTUATORS, VALVES, ETC., TO PROVIDE THE SPECIFIED SEQUENCE OF OPERATION. THE VAV SUPPLY AIR BOX SHALL BE PRESSURE INDEPENDENT AND ADJUST DAMPER POSITION IN RESPONSE TO SUPPLY DUCT VELOCITY PRESSURE CHANGES..

3) OCCUPIED MODE: UPON A DROP IN SPACE TEMPERATURE BELOW THE 72°F OCCUPIED SET POINT, THE VAV BOX DAMPER SHALL BE MODULATED TO THE MINIMUM AIRFLOW POSITION. ON A CONTINUED TEMPERATURE DROP, THE EMS SHALL MODULATE THE REHEAT COIL CONTROL VALVE TOWARDS FLOW THROUGH THE REHEAT COIL. AS THE SPACE TEMPERATURE SET POINT BECOMES SATISFIED, THE REVERSE SHALL OCCUR. UPON A RISE IN SPACE TEMPERATURE ABOVE SET POINT, THE VAV BOX DAMPER SHALL MODULATE TOWARDS THE MAXIMUM FLOW POSITION.

4) UNOCCUPIED MODE: THE VAV BOX DAMPER SHALL BE POSITIONED FOR MINIMUM AIRFLOW. UPON A DROP IN SPACE TEMPERATURE BELOW THE 62°F NIGHT SET BACK SET POINT THE EMS SHALL MODULATE THE REHEAT COIL CONTROL VALVE TOWARDS FLOW THROUGH THE REHEAT COIL. AS THE SPACE TEMPERATURE RISES ABOVE THE NIGHT SET BACK SET POINT, THE REVERSE SHALL OCCUR.

5) POINT LIST (TYPICAL):

- a. SPACE TEMPERATURE.
- b. SUPPLY AIR TEMPERATURE.
- c. REHEAT VALVE COMMAND.
- d. VAV DAMPER COMMAND.

**16. FIRESTOPPING**

**A. QUALITY ASSURANCE:**

1) USE FIRESTOPPING SYSTEMS THAT HAVE BEEN TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479. LISTING BY UL (DIR), UL (FDR), FM (AG), OR ITS (DIR) IN THEIR CERTIFICATION DIRECTORIES WILL BE CONSIDERED EVIDENCE OF SUCCESSFUL TESTING.

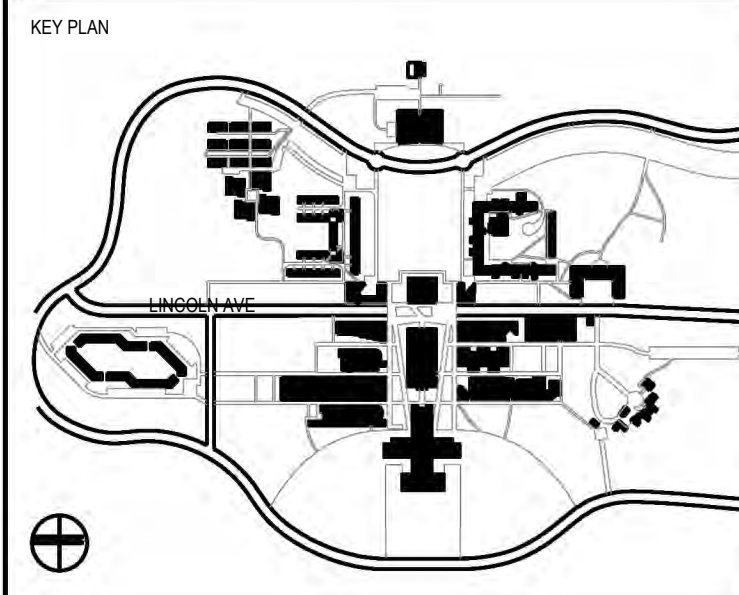
# PURCHASE COLLEGE

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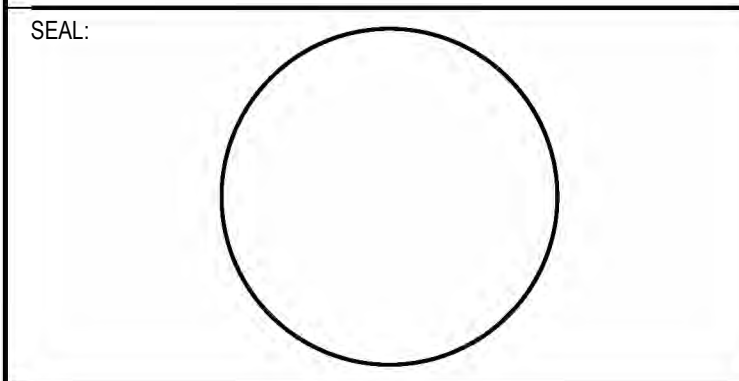
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CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS & DIMENSIONS AND BE RESPONSIBLE FOR FIELD FIT AND QUANTITY OF WORK. NO ALLOWANCES SHALL BE MADE ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLECT ON HIS PART.

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## COORDINATION ISSUE



NO	DATE	DESCRIPTION	ISSUES
02	01.22.2026	ISSUED FOR BID	
01	09.27.2024	ISSUED FOR 90% REVIEW	

CONTRACT NUMBER SU 022626  
CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:  
**MECHANICAL SPECIFICATIONS**

**2 OF 3**

DRAWING NUMBER DRAWING 10 OF 11

# M-501.0

PLOT DATE: 7/20/2024 3:24 PM SAVE DATE: 9/27/2024 10:35 AM

2) MANUFACTURER QUALIFICATIONS: COMPANY SPECIALIZING IN MANUFACTURING THE PRODUCTS FOR USE IN FIRE RATED ASSEMBLIES WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE.

**B. FIRESTOPPING ASSEMBLY REQUIREMENTS**

- 1) FOR MEMBRANE AND THROUGH PENETRATIONS, PROVIDE FIRESTOPPING MATERIALS TO CREATE A LISTED SYSTEM, FOR THE ASSEMBLY BEING PENETRATED AND FIELD CONDITIONS, THAT HAVE THE FOLLOWING PROPERTIES, EXCEPT AS OTHERWISE PERMITTED BY THE BUILDING CODE:
  - a. FIRE RESISTANCE: PROVIDE SYSTEMS THAT HAVE BEEN TESTED TO SHOW F-RATING EQUAL TO REQUIRED FIRE RATING OF PENETRATED ASSEMBLY.
  - b. TEMPERATURE RISE: PROVIDE SYSTEMS THAT HAVE BEEN TESTED TO SHOW T-RATING EQUAL TO OR GREATER THAN THE F-RATING.
  - c. AIR LEAKAGE: PROVIDE SYSTEMS THAT HAVE BEEN TESTED TO SHOW L-RATING IS EQUAL TO OR GREATER THAN THE L-RATING OF JOINTS IN ASSEMBLY BEING PENETRATED.
  - d. WATERTIGHTNESS: PROVIDE SYSTEMS THAT HAVE BEEN TESTED TO MEET A CLASS 1 W-RATING FOR FLOOR PENETRATIONS.

**C. FIELD CONDITIONS**

1) COMPLY WITH FIRESTOPPING MANUFACTURER'S RECOMMENDATIONS FOR TEMPERATURE AND CONDITIONS DURING AND AFTER INSTALLATION; MAINTAIN MINIMUM TEMPERATURE BEFORE, DURING, AND FOR THREE DAYS AFTER INSTALLATION OF MATERIALS.

2) PROVIDE VENTILATION IN AREAS WHERE SOLVENT-CURED MATERIALS ARE BEING INSTALLED.

**D. INSPECTION OF FIRESTOPPING SYSTEMS**

- 1) METHOD OF INSPECTION SHALL BE AT THE DISCRETION OF THE SPECIAL INSPECTOR. CONTRACTOR SHALL PROVIDE ALL REQUIRED INFORMATION, COORDINATE WITH SPECIAL INSPECTOR AT LEAST 10 DAYS IN ADVANCE OF FIRE STOP INSTALLATION, AND ARRANGE SITE ACCESS. CONTRACTOR SHALL COMPLETELY REMOVE AND RESTORE ALL FIRESTOPPING THAT HAS UNDERGONE DESTRUCTIVE TESTING. NO CLAIMS FOR ADDITIONAL COST OR TIME WILL BE ALLOWED.
- 2) VISUAL INSPECTION: SPECIAL INSPECTOR SHALL BE ONSITE DURING INSTALLATION AND RANDOMLY WITNESS A MINIMUM OF 10% OF EACH TYPE OF FIRE STOP BEING INSTALLED.
- 3) DESTRUCTIVE TESTING: VERIFICATION OF FIRESTOPPING AFTER INSTALLATION HAS TAKEN PLACE. A MINIMUM OF 2%, BUT NOT LESS THAN ONE, OF EACH TYPE OF FIRE STOP SHALL BE INSPECTED PER FLOOR OR EACH AREA OF A FLOOR WHEN A FLOOR AREA IS LARGER THAN 10,000 SQ. FT.

END OF SECTION

SIEMENS INDUSTRY, INC. ("SIEMENS") CONTROLS PROPOSAL:

**SCOPE OF WORK**

SIEMENS PROPOSES THE FOLLOWING:  
FURNISH AND INSTALL THE SIEMENS BUILDING MANAGEMENT SYSTEM (BMS) IN ACCORDANCE WITH THE INFORMATION PROVIDED BY COLLADO ENGINEERING.

**DETAILED SCOPE OF WORK**

THE FOLLOWING LIST OF EQUIPMENT WILL BE CONTROLLED AND/OR MONITORED BY THE BAS:

- ONE VAV BOX WITH HOT WATER REHEAT

THE FOLLOWING EQUIPMENT/SYSTEMS WILL BE CONTROLLED AND/OR MONITORED BY THE SIEMENS BMS AS DESCRIBED. FOR COUNTS PER AREA REFER TO THE ABOVE LIST OF EQUIPMENT PER THE BREAKDOWN:

**VAV BOXES W/ HOT WATER REHEAT**

•SIEMENS TO PROVIDE FIELD INSTALLATION OF CONTROLS ON VAV BOX, AND FIELD FLN COMMUNICATION WIRING. THE FOLLOWING IS A LIST OF CONTROLS, FURNISHED BY SIEMENS:

- (1) DXR EQUIPMENT CONTROLLER WITH DAMPER ACTUATOR
- EXISTING NETWORK INFORMATION UNAVAILABLE AT TIME OF BID. THIS PROPOSAL INCLUDES TIME TO FIELD VERIFY AVAILABLE NETWORKS TO CONNECT TO BMS (I.E. P1, BACNET MSTP, BACNET IP, ETC..)
- ASSUME NEW CONTROLLER TO BE WITHIN 75FT OF AVAILABLE BMS NETWORK. TO BE INSTALLED ABOVE ACCESSIBLE CEILINGS WITH PLENUM RATED CABLING
- (1) ROOM TEMPERATURE SENSOR – FIELD MOUNTED
- (1) DISCHARGE AIR TEMPERATURE SENSOR – FIELD MOUNTED
- (1) HOT WATER VALVE AND ACTUATOR – VALVE INSTALLED BY MECHANICAL TRADE
- ADD COMMUNICATION OF NEWLY INSTALLED CONTROLLER AT BMS WORKSTATION GRAPHIC
- BALANCING ASSIST AND COMMISSIONING ASSIST (SEE INCLUSIONS SECTION FOR HOURS)
- THE FOLLOWING LIST OF EQUIPMENT/LABOR IS PROVIDED BY OTHERS:
  - VAV TRANSFORMER TO BE PROVIDED/INSTALLED BY MANUFACTURER
  - 120VAC POWER TO VAV AND DISCONNECT SWITCH (IF REQUIRED)
  - AUTOCAD FILES IF FLOORPLANS HAVE BEEN MODIFIED AND REQUIRE UPDATES TO FLOORPLAN GRAPHICS

**INCLUSIONS**

1. LABOR TO PROVIDE SIEMENS STANDARD SUBMITTALS / RECORD DOCUMENTS
- SYSTEM ARCHITECTURE (SIEMENS BACNET IP & MSTP)
- CONTROL INSTALLATION / WIRING DIAGRAMS
- VALVE SCHEDULE
- EQUIPMENT / INSTRUMENTATION DATASHEETS
2. LABOR TO PROVIDE INSTALLATION AND WIRING, TO INCLUDE:
  - BMS CONDUIT AS SPECIFIED
  - BMS CONTROL AND INTERLOCK WIRING
  - ELECTRICAL SUBCONTRACTOR (PREVAILING WAGE)
3. LABOR TO PROVIDE SIEMENS STANDARD STARTUP & CHECKOUT
  - POINT DATABASE VERIFICATION
  - POINT-TO-POINT
  - PREVAILING WAGE RATE FOR FIELD LABOR
4. LABOR TO PROVIDE SIEMENS PROJECT MANAGEMENT, TO INCLUDE THE FOLLOWING:
  - BMS PROJECT SCOPE ONLY AND ASSOCIATED MEETINGS AND COORDINATION AS REQUIRED BY PROJECT SCHEDULE (NOT FULL-TIME PROJECT MANAGER)
  - PROJECT DOCUMENTATION REQUIREMENTS
  - COORDINATION WITH TRADES
  - SUBCONTRACTOR MANAGEMENT
5. LABOR TO PROVIDE 1 HOURS OF TEST AND BALANCE (TAB) SUPPORT
6. LABOR TO PROVIDE 1 HOURS TO SUPPORT COMMISSIONING AGENT, TO INCLUDE:
  - COMMISSIONING OF BMS
  - COMMISSIONING / VALIDATION OF BMS
7. LABOR TO PROVIDE 0 HOURS OF OWNER TRAINING
8. 1-YEAR PARTS AND LABOR WARRANTY UPON BENEFICIAL USE OF SYSTEMS
9. EXCLUSIONS
  1. CONSTRUCTION PERMITS AND OTHER PERMITS (E.G. GENERAL CONSTRUCTION, MECHANICAL, ELECTRICAL, PLUMBING, SECURITY, ETC.)
  2. REMOVING, REPLACING, CUTTING, PATCHING, OR PAINTING OF CEILINGS OR WALLS
  3. ROOF PENETRATIONS, ACCESS DOORS AND FIRE CAULKING
  4. OVERTIME
  5. AFTER HOURS WORK
  6. COSTS ASSOCIATED WITH MULTIPLE TRIPS TO THE JOBSITE DUE TO INCOMPLETION BY OTHERS
  7. PER PROJECT AGGREGATE GENERAL LIABILITY INSURANCE
  8. 120VAC POWER WIRING TO TERMINAL BOX CONTROLLERS
  9. LIGHTING CONTROL PANELS
  10. LIFTS FOR HIGH CEILING WORK
  11. FURNISHING, INSTALLING, OR WIRING OF DUCT SMOKE DETECTORS
  12. FURNISHING AND/OR WIRING TO FIRE, SMOKE OR COMBO FIRE/SMOKE DAMPERS
  13. WIRING FOR FIRE ALARM SHUTDOWN OF HVAC EQUIPMENT
  14. VAV BOX CONTROL TRANSFORMERS
  15. INSTALLATION OF PIPE MOUNTED DEVICES (I.E. CONTROL VALVES, FLOW METERS, SENSOR WELLS)
  16. ACCESS DOORS
  17. TEMPORARY OR STANDBY LABOR AND SERVICES
  18. DEMO OR RELOCATION OF EXISTING CONTROLS AND CONTROLS WIRING
  19. PROJECT MEETING ATTENDANCE

# PURCHASE COLLEGE

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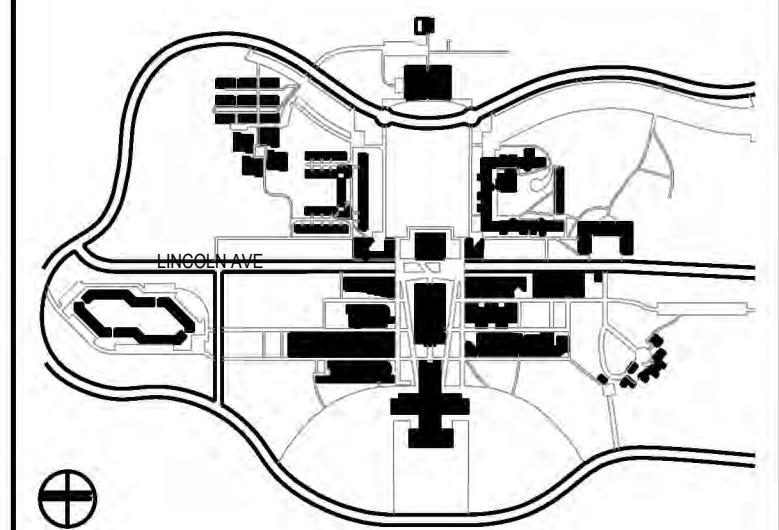
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**KEY PLAN**

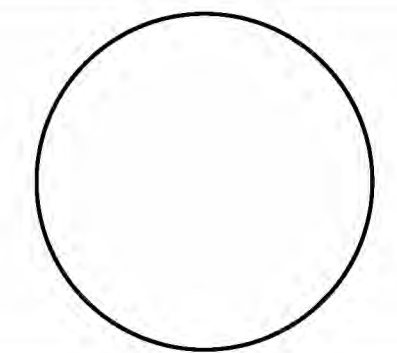


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CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:  
**MECHANICAL SPECIFICATIONS**  
**3 OF 3**

DRAWING NUMBER DRAWING 11 OF 11

# M-502.0

**SYMBOL LIST**

**ELECTRICAL AND IT DEVICES**

	DISCONNECT SWITCH-TOGGLE TYPE HORSEPOWER RATED, WITH THERMAL OVERLOAD. LABEL SWITCH WITH LOAD SERVED.
	DUPLEX RECEPTACLE RATED AT 20 AMPS, 120 VOLTS.
	GFI = GROUND FAULT INTERRUPTOR WP = WEATHERPROOF ENCLOSURE WC = ABOVE COUNTER
	WALL DOUBLE DUPLEX EACH RECEPTACLE RATED AT 20 AMPS, 120 VOLTS IN ONE 4"x4" BOX
	COMBINATION VOICE/DATA OUTLET BOX. PROVIDE (1) 1" EMT CONDUIT FROM OUTLET BOX TO TELEPHONE CLOSET. U.O.N.
	RECESSED FLUSH FLOOR BOX WITH (1) DUPLEX RECEPTACLE
	RECESSED FLUSH FLOOR BOX WITH (1) DUPLEX RECEPTACLE AND VOICE/DATA OUTLET BOX
	RECESSED FLUSH FLOOR BOX WITH (1) DOUBLE DUPLEX AND (1) VOICE DATA OUTLET
	RECESSED FLUSH FLOOR BOX WITH (1) TELEPHONE OUTLET BOX
	RECESS FLUSH FLOOR DOUBLE DUPLEX RECEPTACLE
	CEILING MOUNTED JUNCTION BOX (J-BOX) WITH HOMERUN CIRCUIT AND FLEXIBLE CONNECTION TO EQUIPMENT. USE SEALTITE FOR OUTDOOR CONNECTIONS.
	WALL MOUNTED JUNCTION BOX (J-BOX) WITH HOMERUN CIRCUIT AND FLEXIBLE CONNECTION TO EQUIPMENT. USE SEALTITE FOR OUTDOOR CONNECTIONS.
	MOTORIZED DAMPER
	VAV DAMPER WITH 120V, 20AMP, SINGLE POLE TOGGLE
	LEGRAND EXPRESS KIT CONNECTRAC FOR POWER & DATA

**ELECTRICAL DISTRIBUTION**

	PANEL BOARD
	CONDUIT
	FUSED DISCONNECT SWITCH. FUSE TO BE EQUAL TO OR LESS THAN THE WIRING AMPACITY.
	UNFUSED DISCONNECT SWITCH; SWITCH SIZE TO BE GREATER THAN OR EQUAL TO OVER CURRENT PROTECTION. U.O.N.
	HOMERUN NOTATION PP-KIT/21,23,25 PANEL DESIGNATION CIRCUIT NUMBER

**ELECTRICAL DRAWING LIST**

E-001.00	ELECTRICAL COVER SHEET (1 OF 2)
E-002.00	ELECTRICAL COVER SHEET (2 OF 2)
E-100.00	ELECTRICAL CONSTRUCTION & DEMOLITION PLANS
E-200.00	ELECTRICAL EXISTING PANEL SCHEDULE
E-300.00	ELECTRICAL DETAILS
E-400.00	ELECTRICAL SPECIFICATIONS (1 OF 3)
E-401.00	ELECTRICAL SPECIFICATIONS (2 OF 3)
E-402.00	ELECTRICAL SPECIFICATIONS (3 OF 3)

**ABBREVIATIONS**

⊙	"AT" OR "EACH AT"	KW	KILOWATT
A	AMPERE	LGT	LIGHTING
AC	ABOVE COUNTER	LV	LOW VOLTAGE
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
AT	AMPERE TRIP	MCB	MAIN CIRCUIT BREAKER
AWG	AMERICAN WIRE GAUGE	MECH	MECHANICAL
BLDG	BUILDING	MIN	MINIMUM
C	CONDUIT	MLO	MAIN LUGS ONLY
CB	CIRCUIT BREAKER	N	NEUTRAL
CKT	CIRCUIT	NIC	NOT IN CONTRACT
CLG	CEILING	NTS	NOT TO SCALE
CLOS	CLOSET	PB	PULLBOX
DEG	DEGREE	PH	PHASE
DN	DOWN	RECEPT	RECEPTACLE
DP	DISTRIBUTION PANELBOARD	REQ	REQUIRED
DWG	DRAWING	SECT	SECTION
EA	EACH	SP	SINGLE POLE
EC	ELECTRICAL CONTRACTOR	SPEC	SPECIFICATION
ELEC	ELECTRICAL	SW	SWITCH
EM	EMERGENCY	SYS	SYSTEMS
EXT	EXTERIOR	TBD	TO BE DETERMINED
FDS	FUSED DISCONNECT SWITCH	TEL	TELEPHONE
FIXT	FIXTURE	TEMP	TEMPERATURE
FL	FLOOR	TRANSF	TRANSFORMER
FT	FEET OR FOOT	TV	TELEVISION
G	GROUND	TYP	TYPICAL
GFI	GROUND FAULT INTERRUPTER	UON	UNLESS OTHERWISE NOTED
HP	HORSEPOWER	V	VOLT OR VOLTAGE
JB	JUNCTION BOX	VA	VOLT AMPERE
KVA	KILOVOLT AMPERE	W	WATT

**ELECTRICAL GENERAL NOTES**

- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWING IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. MAINTAIN HEADROOM AND SPACE CONDITIONS.
- PROVIDE PULLBOXES AS INDICATED, REQUIRED BY CODE AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE. COORDINATE PULLBOX LOCATIONS WITH OTHER TRADES.
- JUNCTION AND PULL BOXES SHOULD NOT BE LOCATED EXPOSED IN FINISHED SPACES. WHERE NECESSARY, REROUTE RACEWAYS OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT.
- COORDINATE ALL EXPOSED CONDUIT RUNS WITH ARCHITECT PRIOR TO EXPOSED CONDUIT INSTALLATION.
- FOR EACH ELECTRICAL PANEL, THE CONTRACTOR SHALL PROVIDE A TYPE-WRITTEN DIRECTORY CARD TO REFLECT NEW CIRCUITING.
- SECURE ALL SUPPORTS TO CAMPUS STRUCTURE UTILIZING TOGGLE BOLTS (HOLLOW MASONRY), EXPANSION SHIELDS OR INSERTS (CONCRETE AND BRICK), MACHINE SCREWS (METAL), BEAM CLAMPS (FRAMEWORK), WOOD SCREWS (WOOD) OR PAN THRU STRAPS (METAL DECK). NAILS, RAWL PLUGS AND WOOD PLUGS ARE NOT PERMITTED. WHERE REQUIRED BY STRUCTURE, PROVIDE THRU BOLTS AND FISH PLATES. SUPPORT HORIZONTAL RUNS OF METALLIC RACEWAYS NOT MORE THAN 10 FT APART.
- SUPPORT JUNCTION AND PULL BOXES INDEPENDENTLY TO CAMPUS STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.
- VERIFY LOCATIONS OF OUTLETS AND SWITCHES IN FINISHED ROOMS WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISH. IN CENTERING OUTLETS AND LOCATING BOXES AND OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS AND MECHANICAL EQUIPMENT, VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILINGS AND THE LIKE. CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO OWNER.
- LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS AT OR NEAR DOORS. COORDINATE WITH ARCHITECT AND INSTALL SWITCH ON SIDE OPPOSITE HINGE. VERIFY FINAL HINGE LOCATIONS IN FIELD PRIOR TO SWITCH OUTLET INSTALLATION.
- SET BOXES SQUARE AND TRUE WITH CAMPUS FINISH. ERECT WALL AND SWITCH OUTLETS IN ADVANCE OF FURRING AND FIREPROOFING. SECURE TO CAMPUS STRUCTURE BY ADJUSTABLE STRAP IRONS.
- HEIGHTS OF OUTLETS FROM FINISHED FLOOR TO CENTERLINE OF OUTLET:  
RECEPTACLES AND TELEPHONES:  
GENERALLY 1'-6"  
OVER WORK BENCHES 3'-6"  
WALL SWITCHES 4'-0"  
WALL FIXTURES 7'-0"
- PRIOR TO CORING FOR CONDUIT PENETRATIONS, XRAY SLAB AND SUBMIT TO CAMPUS MANAGEMENT FOR APPROVAL.
- CONTRACTOR SHALL REFER TO THE LATEST "CAMPUS NETWORK CABLE INSTALLATION SPECIFICATION" DOCUMENT FOR INFORMATION REGARDING THE INSTALLATION OF TELECOMMUNICATIONS CABLING AND PATHWAYS, AND ACCESS CONTROLS. CONTRACTOR TO PROVIDE ALL LABELING AND TESTING AS PER CAMPUS NETWORK CABLE INSTALLATION SPECIFICATION.

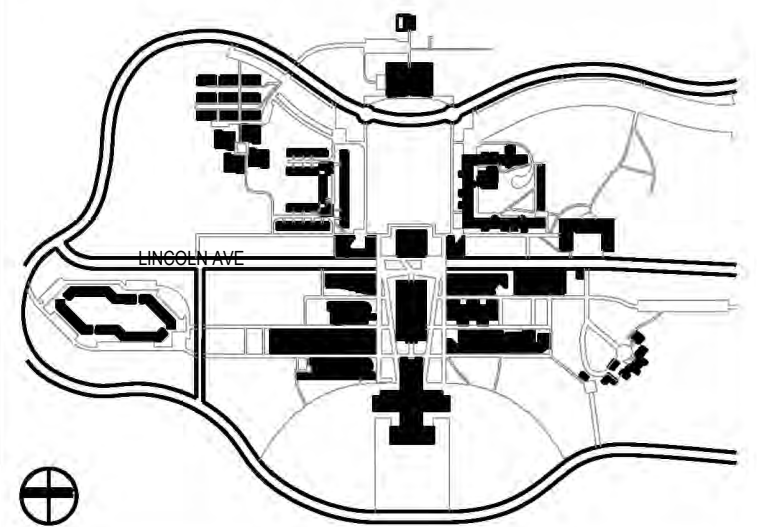
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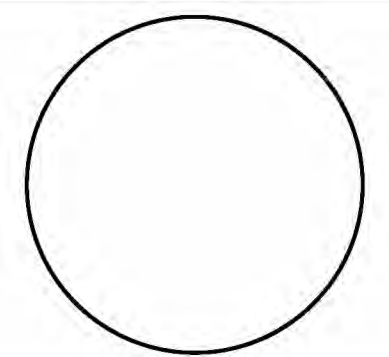


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**COORDINATION ISSUE**

SEAL:



02	01.22.2026	ISSUED FOR BID	
01	09.27.2024	ISSUED FOR 90% REVIEW	
NO	DATE	DESCRIPTION	ISSUES

CONTRACT NUMBER SU 022626  
CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

**ELECTRICAL COVER SHEET**  
(1 OF 2)

DRAWING NUMBER DRAWING 1 OF 6


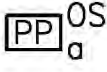

**E-001.00**

## ELECTRICAL DEMOLITION NOTES

1. THE CONTRACTOR SHALL INCLUDE IN THE BID ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF ELECTRICAL WORK AS DESCRIBED IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE ARCHITECT.
2. THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING ELECTRICAL WORK WHICH INTERFERES WITH THE NEW ARCHITECTURAL AND ELECTRICAL LAYOUTS IN FULL COORDINATION WITH THE ARCHITECT'S DEMOLITION PLANS. ALL SYSTEMS WHICH ARE NO LONGER REQUIRED TO FUNCTION SHALL BE DE-ENERGIZED AND DISCONNECTED AT THE SOURCE OF THE POWER SUPPLY.
3. THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH FUNCTIONING ELECTRICAL SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.
4. DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
5. THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL OUTLETS, SWITCHES AND OTHER DEVICES, COMPLETE WITH ASSOCIATED WIRING, CONDUITS, ETC., FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING WIRING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL JUNCTION BOXES AND OTHER DEVICES AND PROVIDE BYPASS CONNECTIONS NECESSARY TO MAKE CIRCUITS AFFECTED CONTINUOUS AND READY FOR OPERATION. OTHERWISE, WIRING SHALL BE REMOVED BACK TO THE NEAREST ELECTRICAL JUNCTION BOX THAT IS TO REMAIN OR TO PANELBOARD.
6. ALL RACEWAYS WHICH BECOME EXPOSED DURING THE ALTERATION WORK SHALL BE REMOVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.
7. ALL UNUSED OUTLET BOXES OR CAPPED FLOOR OUTLETS SHALL BE PROVIDED WITH MATCHING BLANK COVERS.
8. EXISTING PANEL DIRECTORIES AFFECTED BY THE ALTERATION WORK SHALL BE MODIFIED TO REFLECT THE BRANCH CIRCUIT WIRING CHANGES.
9. PORTIONS OF FEEDER RUNS TO BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ENERGIZED, SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED AND RECONNECTED. NEW FEEDER EXTENSIONS SHALL MATCH EXISTING ONES IN ALL RESPECTS, CABLE TYPE, CONDUCTOR AMPACITY, CONDUIT SIZES, ETC.
10. THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECT DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS. THE CONTRACTOR SHALL FOLLOW CLOSELY THE ARCHITECT'S DEMOLITION AND PHASING SCHEDULE AND PROCEED IN THE SPECIFIED SEQUENCE.
11. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL REMAIN PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE ELECTRICAL CONTRACTOR, AS DIRECTED BY THE OWNER.
12. MAINTAIN CONTINUITY OF CIRCUIT WIRING FOR ALL EXISTING DEVICES TO REMAIN.
13. DISCONNECT AND REMOVE ALL CONDUIT AND CABLE BACK TO POWER SOURCE FROM DEVICES/FIXTURES SLATED FOR REMOVAL.

## SYMBOL LIST

LIGHTING CONTROLS BASIS OF DESIGN: ACUITY CONTROLS  
ALTERNATE ACCEPTABLE MANUFACTURERS: WATTSTOPPER OR DOUGLAS LIGHTING CONTROLS.

	<p>CEILING-MOUNTED MOTION SENSOR. REFER TO DRAWING E-XXX FOR LIGHTING CONTROLS WIRING DIAGRAM</p> <p>'SM' INDICATES SMALL MOTION MODEL (nCM PDT 9 RJB) 'LM' INDICATES LARGE MOTION MODEL (nCM PDT 10 RJB) 'HM' INDICATES HIGH MOUNT MODEL (nCM 6 RJB)</p> <p>LOWERCASE LETTER INDICATES LIGHTING FIXTURES CONTROLLED</p>
	<p>POWER PACK. REFER TO DRAWING E-XXX FOR LIGHTING CONTROLS WIRING DIAGRAM.</p> <p>'VS' INDICATES NON-DIMMING VACANCY-TYPE MODEL (nPP16 SA) 'VSD' INDICATES 0-10V DIMMING VACANCY-TYPE MODEL (nPP16 D SA)</p> <p>LOWERCASE LETTER INDICATES LIGHTING FIXTURES CONTROLLED.</p>
	<p>WALL SWITCH. REFER TO DRAWING E-XXX FOR LIGHTING CONTROLS WIRING DIAGRAM.</p> <p>STANDARD MODEL: nPODMA</p> <p>'2PD' INDICATES TWO-POLE DIMMING MODEL (nPODMA 2P DX WH)</p> <p>LOWERCASE LETTER INDICATES LIGHTING FIXTURES CONTROLLED.</p>

## LIGHTING FIXTURE SCHEDULE

FIXTURE SYMBOL	FIXTURE TAG	FIXTURE DESCRIPTION	MANUFACTURER	MODEL NUMBER <sup>①</sup>	LAMP TYPE	VOLTS	WATTS
—	LA-21	LINEAR PENDENT DIRECT / INDIRECT	FINELITE	HP-4-P-D-12'-H-830-DSO-96LG-120-SC-FC-10%-FA50-FE-SA	LED	UNV	37
□	LA-31	RECESSED LED DOWNLIGHT	COOPER LIGHTING SOLUTIONS	LDSQ4D-30-90-30-D010	LED	UNV	34.2

## LIGHTING FIXTURE MATRIX

	OCCUPANCY SENSOR CONTROL				WALL SWITCH CONTROL				
	VACANCY MODE	OCCUPANCY MODE	SENSOR SHUT-OFF TIME (MIN)	DUAL TECHNOLOGY	MANUAL (ON/OFF)	MANUAL (DIMMING)	KEYED	SCENE CONTROL	GRAPHICAL SWITCH
1	CONFERENCE ROOM								
	X		15	X	X				
	A	B	C	D	E	F	G	H	I

### ELECTRICAL KEYED NOTES:

- ① REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE MODEL NUMBERS.

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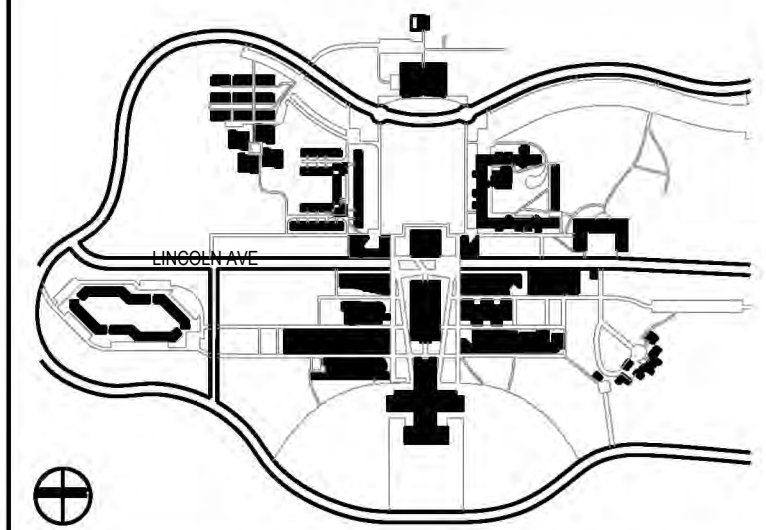
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KEY PLAN

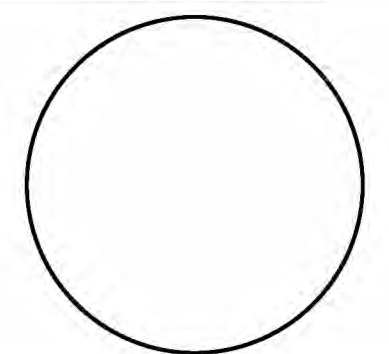


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01	09.27.2024	ISSUED FOR 90% REVIEW	

CONTRACT NUMBER SU 022626  
CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

## ELECTRICAL COVER SHEET

(2 OF 2)

DRAWING NUMBER DRAWING 2 OF 6

# E-002.00

# PURCHASE COLLEGE

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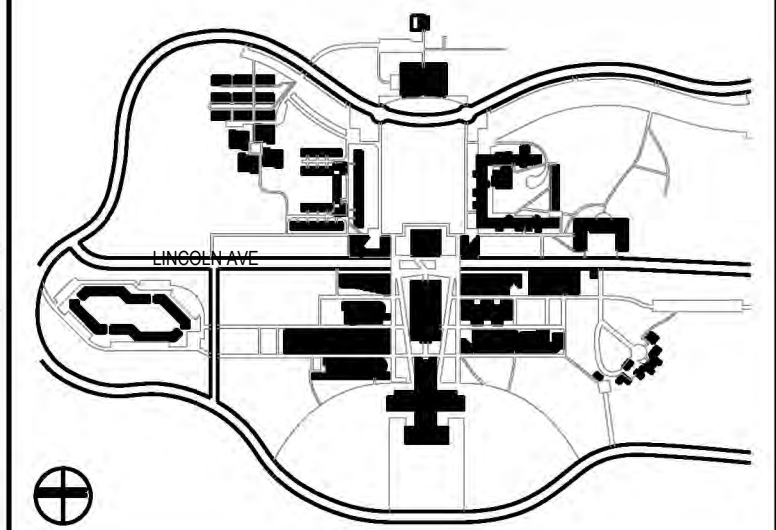
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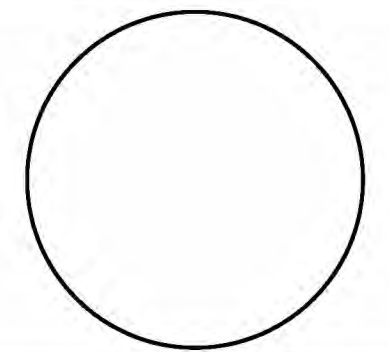


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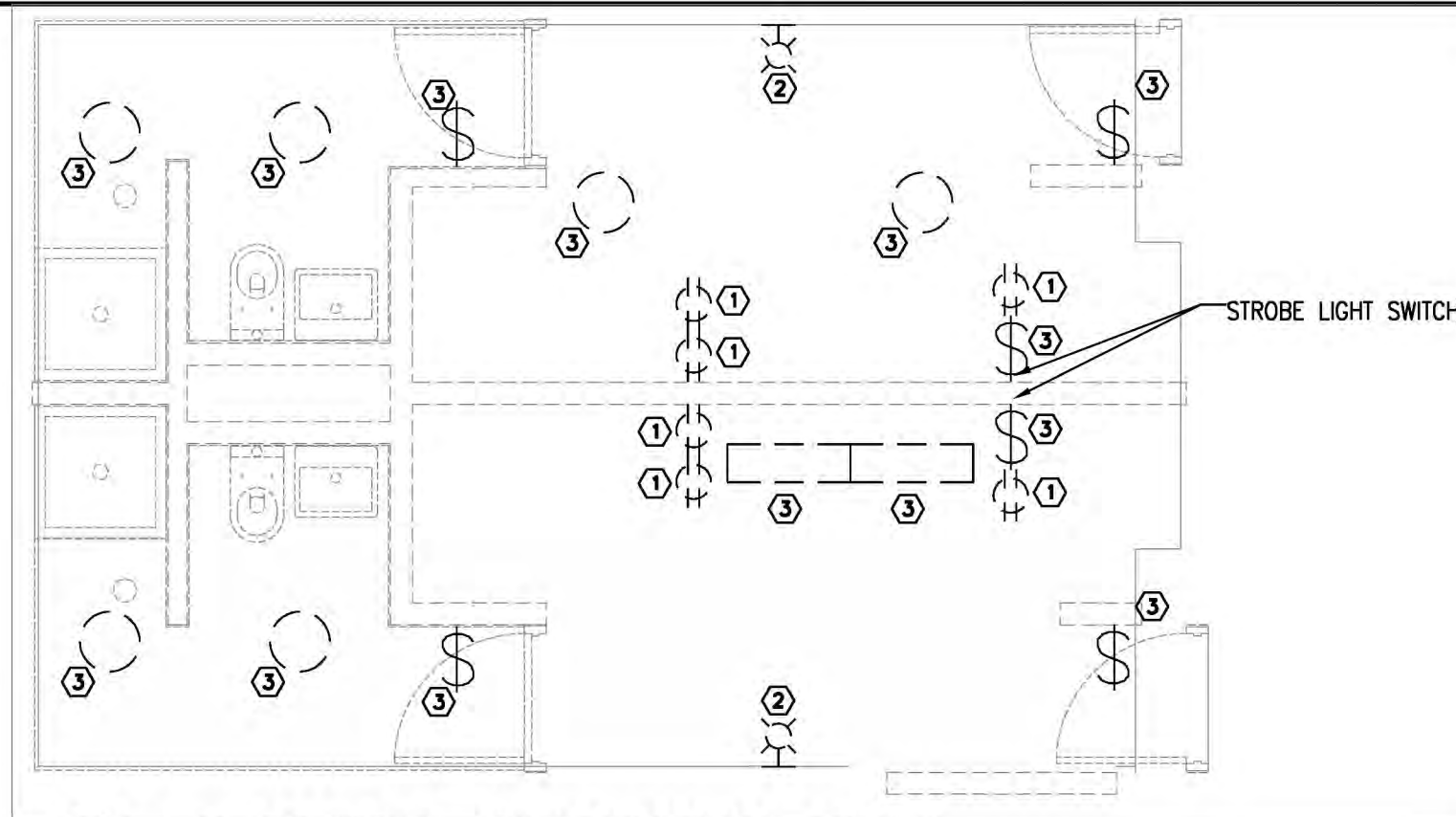
SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

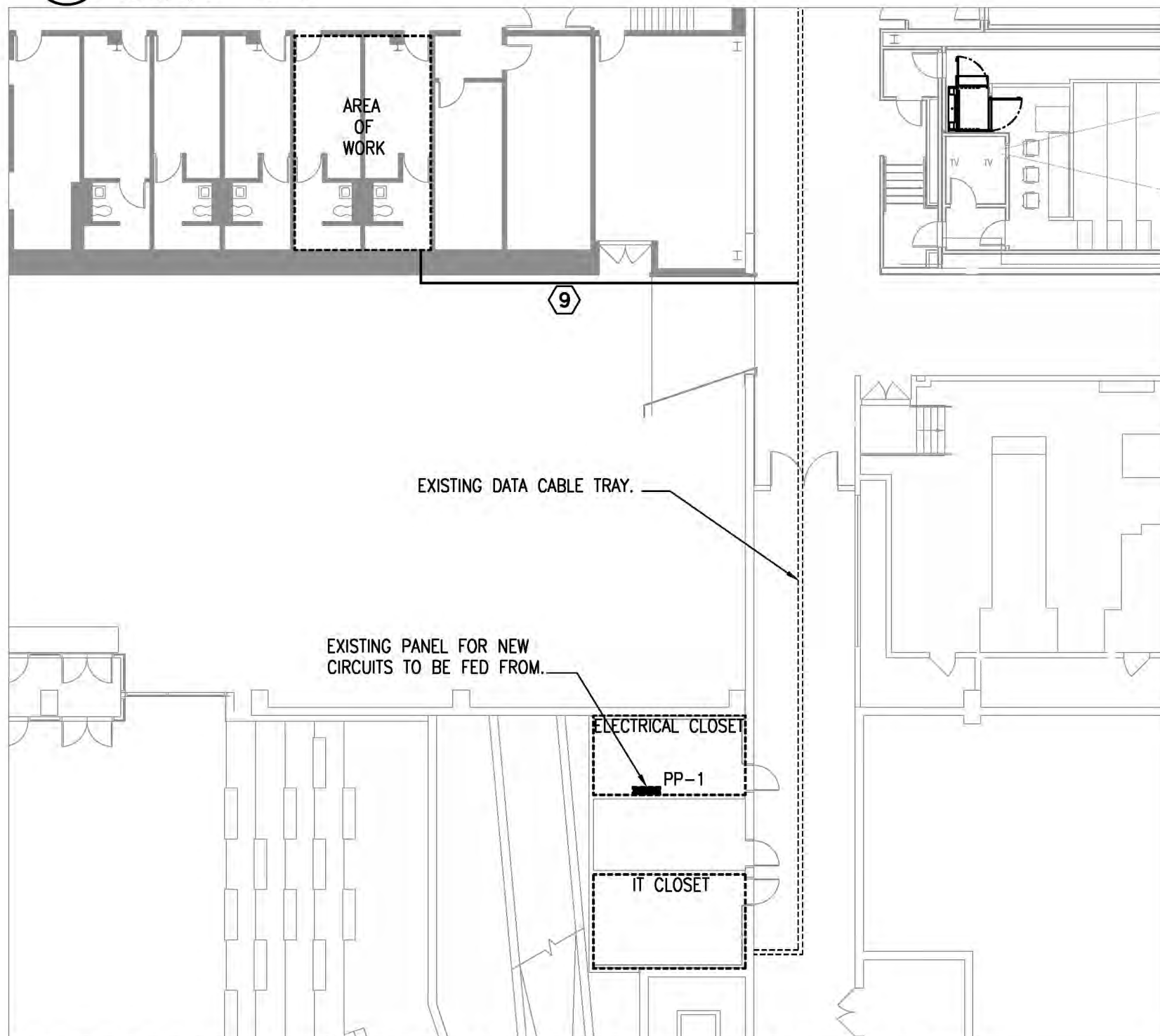
## ELECTRICAL CONSTRUCTION & DEMOLITION PLANS

DRAWING NUMBER DRAWING 3 OF 6

# E-100.00



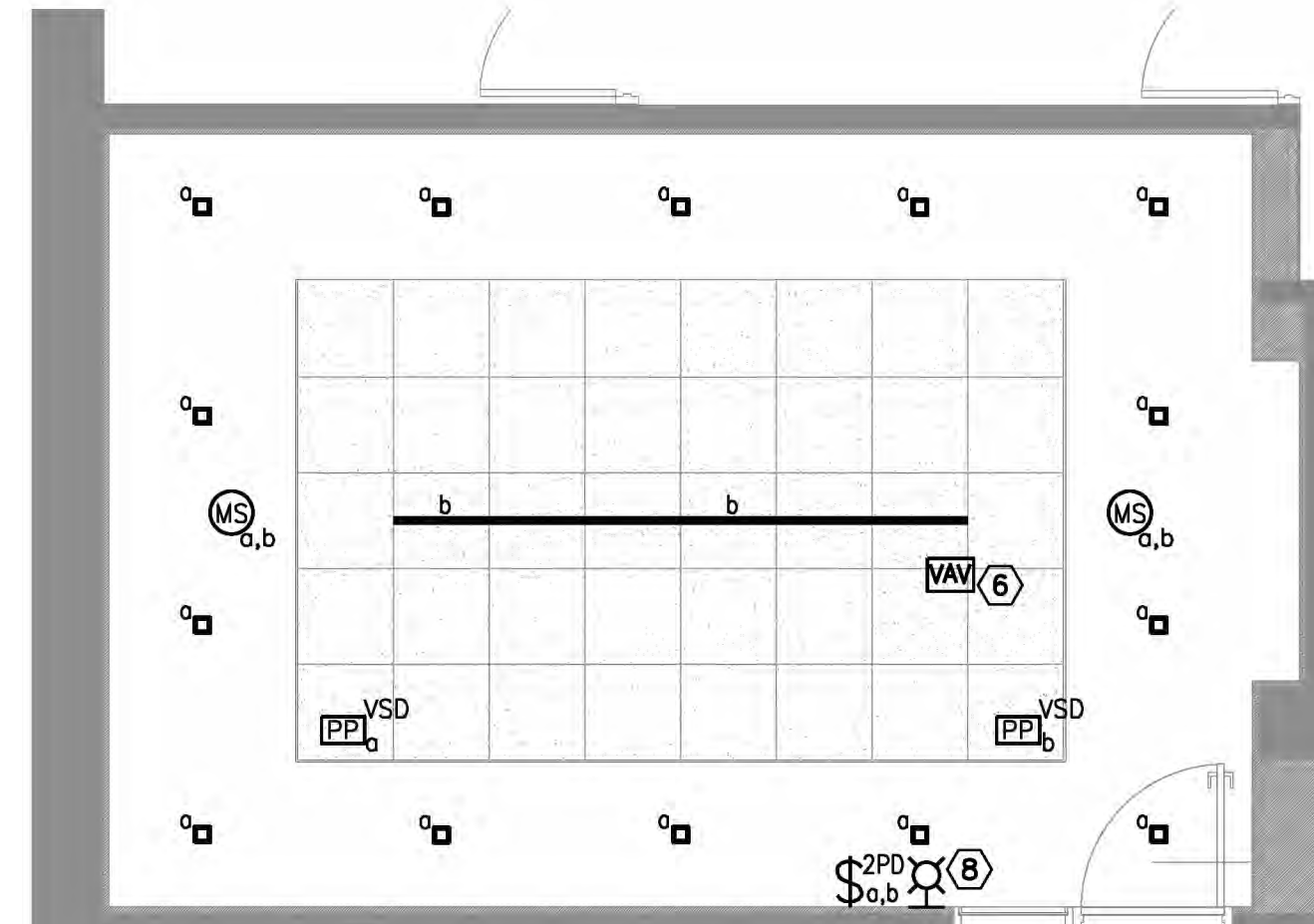
**1 ELECTRICAL DEMOLITION PLAN**  
 SCALE: 1/4" = 1'-0"



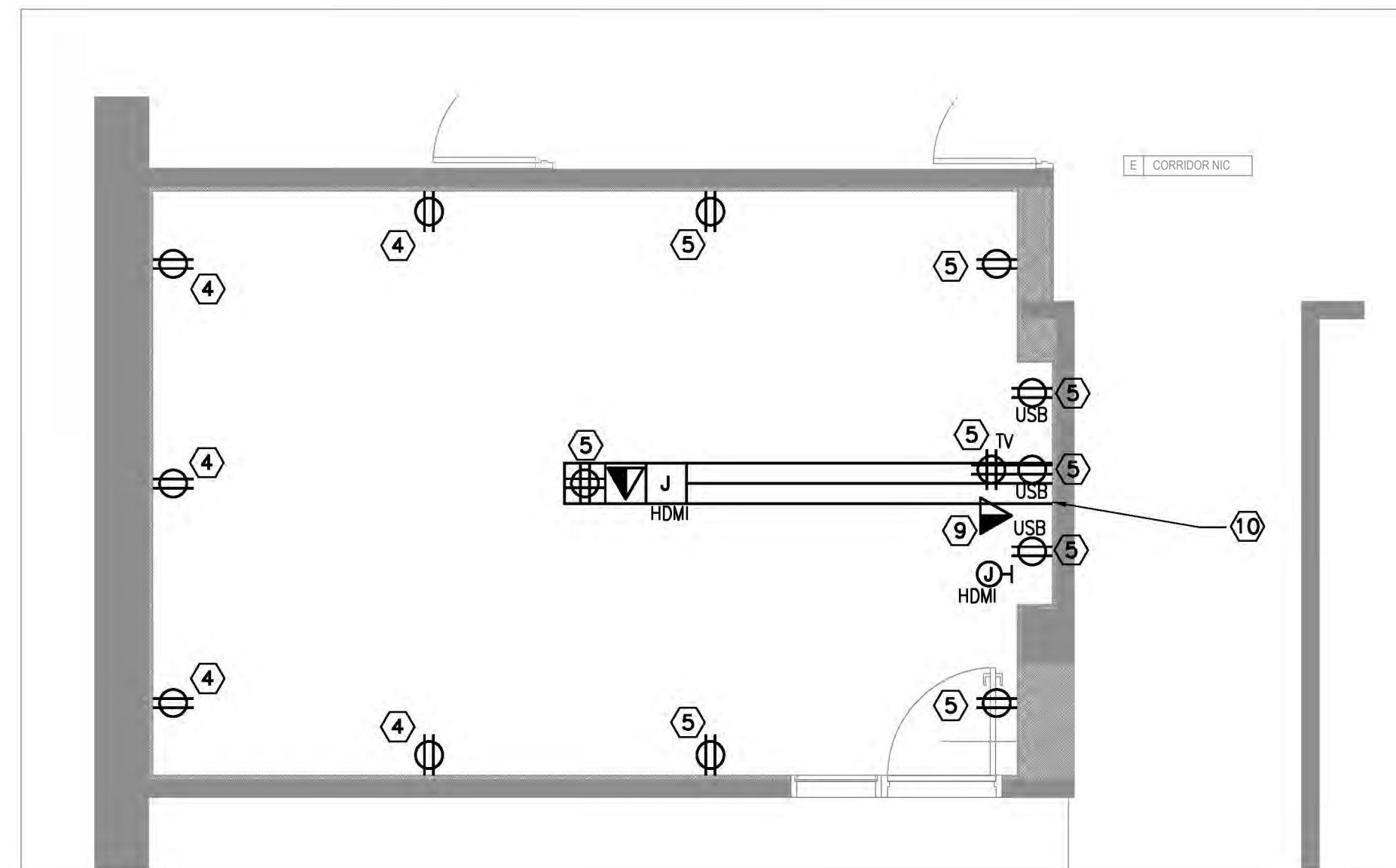
**4 ELECTRICAL DATA WIRING CONSTRUCTION PLAN**  
 SCALE: 1/16" = 1'-0"

#### ELECTRICAL KEYED NOTES:

- ① REMOVE EXISTING RECEPTACLES. CUTBACK CONDUIT AND WIRING TO NEAREST SOURCE OF POWER. MAINTAIN POWER TO EXISTING DEVICES TO REMAIN.
- ② REMOVE EXISTING FIRE STROBE UNITS. EXISTING WIRING TO BE UTILIZED FOR NEW UNIT, CUTBACK CONDUIT AND WIRING TO NEAREST JUNCTION BOX.
- ③ REMOVE EXISTING LIGHT FIXTURES AND SWITCHES. EXISTING WIRING TO BE UTILIZED FOR NEW FIXTURES, CUTBACK CONDUIT AND WIRING TO NEAREST JUNCTION BOX.
- ④ PP-1/CKT NO. 2
- ⑤ PP-1/CKT NO. 4
- ⑥ PP-1/CKT NO. 6
- ⑦ NOT USED
- ⑧ INCLUDE ALL FIRE ALARM VENDOR COSTS AND PROGRAMMING FOR INSTALLATION OF NEW STROBE.
- ⑨ PROVIDE 2" CONDUIT WITH PULL CORDS FROM CONFERENCE ROOM DATA OUTLET BOX TO EXISTING CABLE TRAY.
- ⑩ TRANSITION CONDUIT AND WIRING FROM WALL OPENING INTO CONNECTRAC TO BE FED TO QUAD AND DATA OUTLET IN CENTER OF ROOM.



**2 ELECTRICAL LIGHTING PLAN**  
 SCALE: 1/4" = 1'-0"  
 NOTE:  
 UTILIZE EXISTING LIGHTING BRANCH CIRCUIT FOR NEW FIXTURES



**3 ELECTRICAL POWER PLAN**  
 SCALE: 1/4" = 1'-0"

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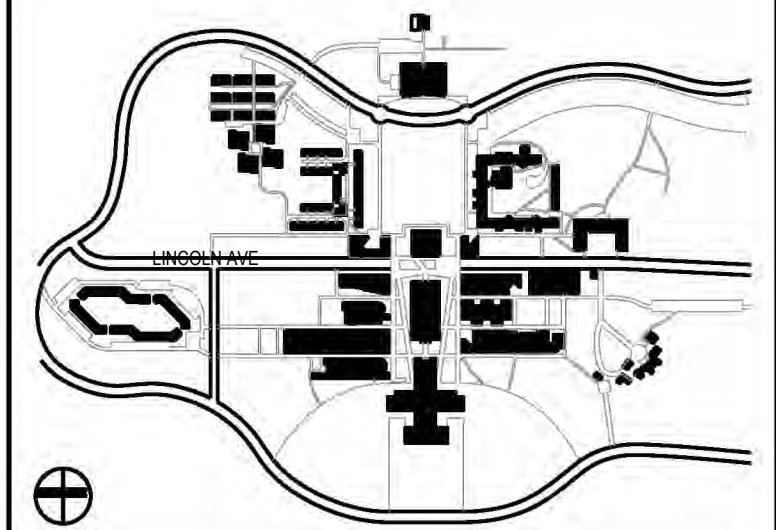
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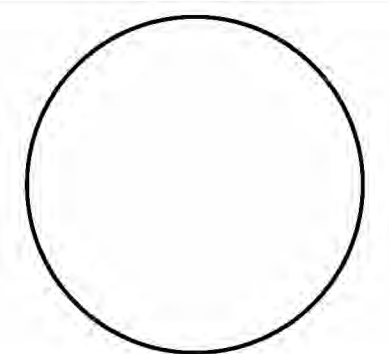


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DRAWING TITLE:

## ELECTRICAL EXISTING PANEL SCHEDULE

DRAWING NUMBER DRAWING 4 OF 6

# E-200.00

PANEL NO. <u>PP-1</u> SECTION <u>-</u>		EXISTING PANEL		<input type="checkbox"/> RECESSED <input checked="" type="checkbox"/> MAIN LUG ONLY <input checked="" type="checkbox"/> SURFACE MOUNTED <input type="checkbox"/> MAIN CB <input type="checkbox"/> FEED THRU LUG				
VOLTS <u>120/240</u> PH <u>3</u> W <u>4</u> G <u>1</u>		MIN. INTERRUPTING RATING		SYMM.				
CKT NO.	TRIP (AMPS)	DESCRIPTION OF LOAD	LOAD (KVA)	PER PHASE KVA A   B   C	LOAD (KVA)	DESCRIPTION OF LOAD	TRIP (AMPS)	CKT NO.
1	20	EXISTING LOAD	0	0	0	CONFERENCE ROOM RECEPTACLES ①	20	2
3	20	EXISTING LOAD	0	0	0	CONFERENCE ROOM RECEPTACLES ①	20	4
5	20	EXISTING LOAD	0	0	0	CONFERENCE ROOM VAV ①	20	6
7	20	EXISTING LOAD	0	0	0	EXISTING SPARE	20	8
9	20	EXISTING LOAD	0	0	0	EXISTING SPARE	20	10
11	20	EXISTING LOAD	0	0	0	EXISTING SPARE	20	12
13	20	EXISTING LOAD	0	0	0	EXISTING SPARE	20	14
15	20	EXISTING LOAD	0	0	0	EXISTING SPARE	?	16
17	0	EXISTING SPACE	0	0	0		?	18
19	15	EXISTING LOAD	0	0	0	EXISTING SPARE	?	20
21		EXISTING LOAD	0	0	0		?	22
23	?	EXISTING LOAD	0	0	0	EXISTING SPARE	?	24
25		EXISTING LOAD	0	0	0		?	26
27	20	EXISTING LOAD	0	0	0	EXISTING SPARE	?	28
29	20	EXISTING LOAD	0	0	0		?	30
31	20	EXISTING LOAD	0	0	0	EXISTING SPARE	?	32
33	20	EXISTING LOAD	0	0	0		?	34
35	20	EXISTING LOAD	0	0	0	EXISTING SPARE	?	36
37	20	EXISTING LOAD	0	0	0		?	38
39	20	EXISTING LOAD	0	0	0	EXISTING LOAD	?	40
41	20	EXISTING LOAD	0	0	0		?	42
				0	0	0		

**ELECTRICAL NOTES:**

① UTILIZE EXISTING CIRCUIT BREAKER TO FEED NEW CIRCUIT.

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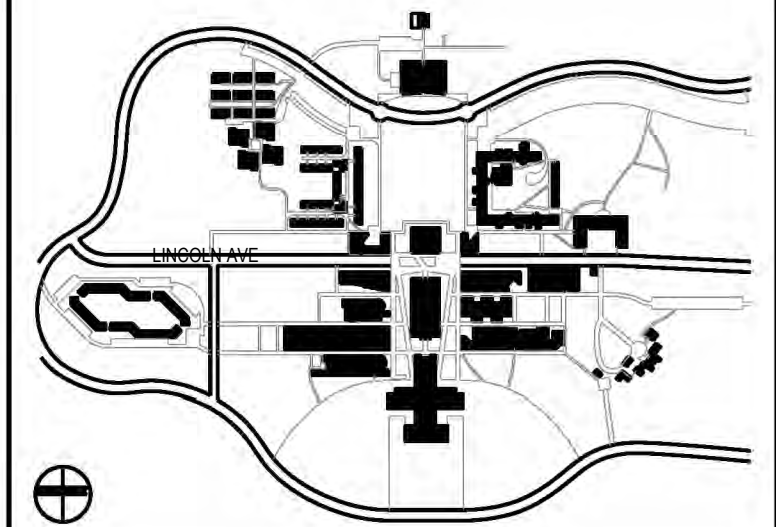
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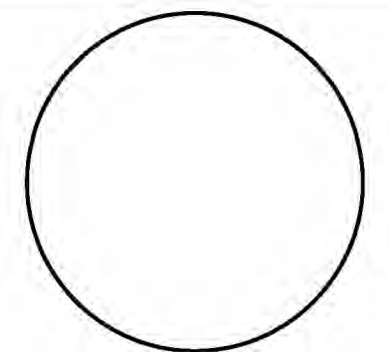


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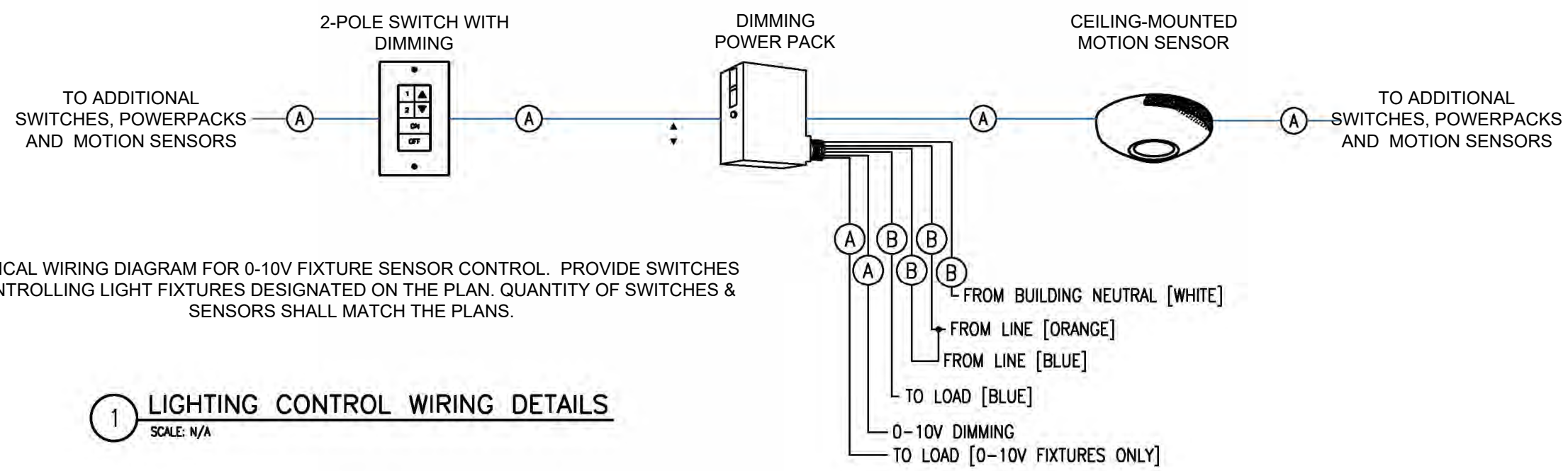
SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

### ELECTRICAL DETAILS

DRAWING NUMBER DRAWING 5 OF 6

# E-300.00



TYPICAL WIRING DIAGRAM FOR 0-10V FIXTURE SENSOR CONTROL. PROVIDE SWITCHES CONTROLLING LIGHT FIXTURES DESIGNATED ON THE PLAN. QUANTITY OF SWITCHES & SENSORS SHALL MATCH THE PLANS.

### 1 LIGHTING CONTROL WIRING DETAILS

SCALE: N/A

WIRE LEGEND	
(A)	CAT 5 (LOW VOLTAGE)
(B)	CLASS 1 (LINE VOLTAGE)

NOTE: PROVIDE ONE BLUETOOTH RECEIVER (MODEL: NIO BT) TO PROGRAM SYSTEMS. RECEIVER TO BECOME PROPERTY OF OWNER AT PROJECT COMPLETION

## OUTSIDE

3/4" FLEXIBLE CONDUIT WITH PULLCORD TO DOOR CONTROLLER ENCLOSURE.

FUTURE CARD READER

DOOR (BY OTHERS)

## INSIDE

2" EMPTY CONDUIT FOR FUTURE IT AND SECURITY CABLING

LPS-A/4

PROVIDE JUNCTION BOX FOR FUTURE DOOR CONTROLLER POWER SUPPLY

ENCLOSURE FOR FUTURE DOOR CONTROLLER WITH POWER SUPPLY LOCATED ABOVE CEILING.

PROVIDE 6" X 6" X 2-1/8" JUNCTION BOX

PROVIDE 3/4" FLEXIBLE CONDUIT WITH PULLCORDS. COORDINATE WITH DOOR AND ELECTRIFIED HINGE INSTALLATION.

CEILING

DOOR SENSORS (BY OTHERS)

ELECTRIFIED HINGE (BY OTHERS)

EXIT HARDWARE (BY OTHERS)

DOOR (BY OTHERS)

NOTE: COORDINATE WITH CAMPUS IT AND SECURITY PERSONNEL

### ACCESS CONTROL SYSTEM DETAILS

ELECTRICAL WORK

1. GENERAL:

- A. ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
- B. INVESTIGATE EACH SPACE THROUGH WHICH EQUIPMENT MUST BE MOVED. WHERE NECESSARY, EQUIPMENT SHALL BE SHIPPED FROM MANUFACTURER IN SECTIONS OF SIZE SUITABLE FOR MOVING THROUGH AVAILABLE RESTRICTIVE SPACES. ASCERTAIN FROM BUILDING OWNER AND TENANT AT WHAT TIMES OF DAY EQUIPMENT MAY BE MOVED THROUGH ALL AREAS.
- C. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CONDUIT ROUTING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES OF RUNS. THE CONTRACTOR SHALL ALLOW IN HIS PRICE FOR ROUTING OF CONDUIT TO AVOID OBSTRUCTIONS. COORDINATION WITH EXISTING SERVICES, INCLUDING THOSE OF OTHER TRADES, IS REQUIRED. MAINTAIN HEADROOM AND SPACE CONDITIONS.
- D. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
- E. REMOVAL AND RELOCATION OF CERTAIN EXISTING WORK MAY BE NECESSARY FOR THE PERFORMANCE OF THE GENERAL WORK. ALL EXISTING CONDITIONS CANNOT BE COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE AND INCLUDE ALL CHANGES AND CHARGES IN MAKING UP THE WORK PROPOSAL.
- F. CONNECTIONS TO EXISTING WORK: INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES. TEMPORARY SHUTDOWNS OF EXISTING SERVICES SHALL BE PERFORMED AT NO ADDITIONAL CHARGES, AT TIMES NOT TO INTERFERE WITH NORMAL OPERATION OF EXISTING FACILITIES AND ONLY WITH WRITTEN CONSENT OF OWNER. ALARM AND EMERGENCY SYSTEMS SHALL NOT BE INTERRUPTED. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES AS REQUIRED WITH NECESSARY TEMPORARY CONNECTIONS BETWEEN NEW AND EXISTING WORK. CONNECT NEW WORK TO EXISTING WORK IN NEAT AND ACCEPTABLE MANNER. RESTORE EXISTING DISTURBED WORK TO ORIGINAL CONDITION, INCLUDING MAINTENANCE OF WIRING CONTINUITY AS REQUIRED.
- G. DISCONNECT, REMOVE AND/OR RELOCATE EXISTING MATERIAL, EQUIPMENT AND OTHER WORK AS NOTED OR REQUIRED FOR PROPER INSTALLATION OF NEW WORK.
- H. THE CONTRACTOR SHALL KEEP ALL EQUIPMENT AND MATERIALS, AND ALL PARTS OF THE BUILDING, EXTERIOR SPACES AND ADJACENT STREETS, SIDEWALKS AND PAVEMENTS, FREE FROM MATERIAL AND DEBRIS RESULTING FROM THE EXECUTION OF THIS WORK. EXCESS MATERIALS WILL NOT BE PERMITTED TO ACCUMULATE EITHER ON THE INTERIOR OR THE EXTERIOR.
- I. SEAL OPENINGS THROUGH PARTITIONS, WALLS AND FLOORS WITH MINERAL WOOL OR OTHER NONCOMBUSTIBLE MATERIAL.
- J. PROVIDE ALL NECESSARY FLASHING AND COUNTERFLASHING TO MAINTAIN THE WATERPROOFING INTEGRITY OF THE BUILDING AS REQUIRED BY THE INSTALLATION OR REMOVAL OF CONDUIT AND EQUIPMENT.
- K. ALL EXISTING MATERIAL, EQUIPMENT AND CONSTRUCTION DEBRIS TO BE REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR WITH THE EXCEPTION OF SPECIFIC EQUIPMENT AND APPARATUS REQUESTED BY THE BUILDING REPRESENTATIVE, ARCHITECT OR AS NOTED TO BE RELOCATED ON THE DRAWINGS. REMOVED EQUIPMENT SHALL BE PROPERLY DISPOSED OF BY THIS CONTRACTOR.
- L. THE CONTRACTOR'S PROPOSAL FOR ALL WORK SHALL BE PREDICATED ON THE PERFORMANCE OF THE WORK DURING REGULAR WORKING HOURS. WHEN SO DIRECTED, HOWEVER, THE CONTRACTOR SHALL INSTALL WORK DURING OVERTIME HOURS AND THE ADDITIONAL COST TO BE CHARGED THEREFORE SHALL BE ONLY THE "PREMIUM" PORTION OF THE WAGES PAID.
- M. UNLESS OTHERWISE SPECIFICALLY NOTED OR SPECIFIED, INCLUDE ALL CUTTING AND PATCHING OF EXISTING FLOORS, WALLS, PARTITIONS AND OTHER MATERIALS IN THE EXISTING BUILDING. THE CONTRACTOR SHALL RESTORE THESE AREAS TO ORIGINAL CONDITION.
- N. ALL MATERIAL AND EQUIPMENT SHALL BE NEW UNLESS OTHERWISE NOTED AND SHALL BE IN ACCORDANCE WITH BUILDING STANDARDS.
- O. SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF THE EXISTING BUILDING, EQUIPMENT, ETC., WHICH AFFECT THIS WORK, AND THE ACCESS TO SUCH SPACES, HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. THE CONTRACTOR IS RESPONSIBLE TO INDICATE ANY DISCREPANCIES BETWEEN THE CONTRACT DRAWINGS AND ACTUAL FIELD CONDITIONS PRIOR TO SUBMITTAL OF BID. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE. LATER CLAIMS SHALL NOT BE MADE FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN DURING SUCH AN EXAMINATION. THE ON-SITE INSPECTION SHALL VERIFY EXISTING CONDUIT (SIZES, CLEARANCES, ETC) AND CONDITIONS.
- P. INSURANCE: IN ACCORDANCE WITH BUILDING REQUIREMENTS AND SHALL INCLUDE A HOLD HARMLESS CLAUSE FOR OWNER AND ENGINEER.
- Q. THE FINAL ACCEPTANCE SHALL BE MADE AFTER THE CONTRACTOR HAS ADJUSTED HIS EQUIPMENT, TESTED THE VARIOUS SYSTEMS, DEMONSTRATED THAT IT FULFILLS THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS AND HAS FURNISHED ALL THE REQUIRED CERTIFICATES OF INSPECTION AND APPROVAL.

2. SCOPE OF WORK:

- A. SCOPE OF WORK SHALL CONSIST OF PROVIDING LABOR, MATERIALS, EQUIPMENT, SERVICES AND FEES NECESSARY FOR COMPLETE AND SAFE INSTALLATION IN CONFORMITY WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL OTHER APPLICABLE INDUSTRY, NATIONAL AND LOCAL CODES AND AUTHORITIES HAVING JURISDICTION, AS INDICATED ON DRAWINGS AND HEREIN SPECIFIED.

B. ALL DRAWINGS, PLANS, DETAILS, SPECIFICATIONS AND SPECIFICATION ADDENDA ARE MADE PART OF THIS CONTRACT AND SHALL APPLY TO ALL WORK UNDER THE CONTRACT UNLESS OTHERWISE AMENDED, MODIFIED, SUPPLEMENTED OR SPECIFIED HEREIN.

C. THE CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE TO REPLACE OR REPAIR PROMPTLY AND ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED FOR ANY WORKMANSHIP AND EQUIPMENT IN WHICH DEFECTS DEVELOP WITHIN ONE YEAR FROM THE DATE OF FINAL CERTIFICATE FOR PAYMENT AND/OR FROM DATE OR ACTUAL USE OF EQUIPMENT OR OCCUPANCY OF SPACES BY OWNER INCLUDED UNDER THE VARIOUS PARTS OF THE WORK, WHICHEVER DATE IS EARLIER. THIS WORK SHALL BE DONE AS DIRECTED BY THE OWNER. THIS GUARANTEE SHALL ALSO PROVIDE THAT WHERE DEFECTS OCCUR, THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED IN REPAIRING AND REPLACING WORK OF OTHER TRADES AFFECTED BY DEFECTS, REPAIRS OR REPLACEMENTS IN EQUIPMENT SUPPLIED BY THE CONTRACTOR.

D. THE CONTRACTOR SHALL GIVE NECESSARY NOTICE, FILE DRAWINGS AND SPECIFICATIONS WITH ALL DEPARTMENTS HAVING JURISDICTION, OBTAIN PERMITS OR LICENSES NECESSARY TO CARRY OUT THIS WORK AND PAY ALL FEES THEREFORE. THE CONTRACTOR SHALL ARRANGE FOR INSPECTION AND TESTS OF ANY OR ALL PARTS OF THE WORK IF SO REQUIRED BY AUTHORITIES AND PAY ALL CHARGES FOR SAME. THE CONTRACTOR SHALL PAY ALL COSTS FOR, AND FURNISH TO THE OWNER BEFORE FINAL BILLING, ALL CERTIFICATES NECESSARY AS EVIDENCE THAT THE WORK INSTALLED CONFORMS WITH ALL REGULATIONS WHERE THEY APPLY TO THIS WORK.

3. SHOP DRAWINGS

A. PRIOR TO THE INSTALLATION OF ANY WORK AND PROCUREMENT OF EQUIPMENT, CONTRACTOR SHALL PROVIDE COMPLETE SETS OF COORDINATED SHOP DRAWINGS OF ALL NEW AND EXISTING EQUIPMENT, INDICATING CAPACITY, DIMENSIONS AND SEQUENCE OF OPERATION FOR WRITTEN APPROVAL BY THE ARCHITECT AND ENGINEER.

B. INDICATE ON EACH SHOP DRAWING SUBMITTED:

- 1) PROJECT NAME AND LOCATION
- 2) NAME OF ARCHITECT AND ENGINEER
- 3) ITEM IDENTIFICATION
- 4) APPROVAL STAMP OF PRIME CONTRACTOR

C. SUBMISSIONS:

- 1) CONTRACTOR SHALL SUBMIT A PDF FILE TO ARCHITECT THROUGH PREVIOUSLY DISCUSSED AND APPROVED METHOD (EMAIL, SUBMITTAL EXCHANGE PROGRAM, ETC). SUBMITTAL WILL THEN BE FORWARDED TO RELEVANT PARTIES FOR REVIEW.
- 2) UNLESS OTHERWISE DISCUSSED & AGREED, PROVIDE ALL EQUIPMENT SUBMITTALS AND SHOP DRAWINGS AT ONE TIME, THE SAME TIME; AT LEAST, THREE WEEKS BEFORE A RESPONSE IS REQUIRED.
- 3) PROVIDE A SEPARATE TRANSMITTAL FOR EACH SUBMITTAL ITEM. TRANSMITTALS SHALL INDICATE PRODUCT BY SPECIFICATION SECTION NAME AND NUMBER. SEPARATE ALL SUBMITTALS INTO APPROPRIATE SPECIFICATION SECTION NUMBER. DO NOT COMBINE SPECIFICATION SECTIONS.
- 4) DO NOT SUBMIT ENTIRE MANUFACTURER'S CATALOG; IT WILL NOT BE REVIEWED. SUBMIT ONLY PAGES WHICH ARE PERTINENT TO THE PROJECT. ALL OPTIONS WHICH ARE INDICATED ON THE PRODUCT DATA SHALL BECOME PART OF THE CONTRACT AND SHALL BE REQUIRED WHETHER SPECIFIED ARE NOT.
- 5) MARK EACH COPY OF STANDARD PRINTED DATA TO IDENTIFY PERTINENT PRODUCTS, REFERENCED TO SPECIFICATION SECTION AND ARTICLE NUMBER.
- 6) SHOW REFERENCE STANDARDS, PERFORMANCE CHARACTERISTICS AND CAPACITIES; WIRING AND PIPING DIAGRAMS AND CONTROLS; COMPONENT PARTS; FINISHES; DIMENSIONS AND REQUIRED CLEARANCES.
- 7) MODIFY MANUFACTURER'S STANDARD SCHEMATIC DRAWINGS AND DIAGRAMS TO SUPPLEMENT STANDARD INFORMATION AND TO PROVIDE INFORMATION SPECIFICALLY APPLICABLE TO THE WORK. DELETE INFORMATION NOT APPLICABLE.
- 8) THE ENGINEER WILL REVIEW THE ORIGINAL SUBMITTAL AND ONE RESUBMITTAL FOR THE SAME PRODUCT. ADDITIONAL RESUBMITTALS WILL BE REVIEWED ON A HOURLY RATE, PAYABLE BY THE CONTRACTOR.
- 9) PARTIAL SUBMITTALS OR SUBMITTALS NOT PROPERLY FORMATTED AS INDICATED ABOVE, ARE SUBJECT TO RETURN WITHOUT REVIEW FOR THE CONTRACTOR TO CORRECT.

D. SUBMIT SHOP DRAWINGS FOR THE FOLLOWING:

- 1) SWITCHES
- 2) CIRCUIT BREAKERS
- 3) RACEWAYS
- 4) WIRE AND CABLE
- 5) LIGHTING CONTROLS
- 6) RECEPTACLES
- 7) SURFACE METAL RACEWAY
- 8) LIGHTING FIXTURES
- 9) TESTED AND LISTED FIRESTOPPING SYSTEMS
- 10) SECURITY AND CAMERA SYSTEM COMPONENTS

4. AS-BUILT DRAWINGS AND EQUIPMENT OPERATIONAL INSTRUCTIONS

A. UPON COMPLETION AND ACCEPTANCE OF WORK, CONTRACTOR SHALL FURNISH WRITTEN INSTRUCTIONS AND EQUIPMENT MANUALS AND DEMONSTRATE TO THE OWNER THE PROPER OPERATION AND MAINTENANCE OF ALL EQUIPMENT AND APPARATUS FURNISHED UNDER THIS CONTRACT.

B. THESE INSTRUCTIONS SHALL BE TYPED ON 8-1/2 IN. X 11 IN. PAPER AND BOUND IN THREE RING BINDERS WITH CLEAR ACETATE COVERS. CONTRACTOR SHALL GIVE THREE COPIES OF THE INSTRUCTIONS TO THE OWNER AND ONE COPY TO THE ENGINEER.

C. THE INSTRUCTION BOOKLET SHALL BEAR THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE PROJECT, ARCHITECT AND ENGINEER.

D. REPRODUCIBLE "AS-BUILT" DRAWINGS SHALL BE PROVIDED INDICATING THE AS-INSTALLED CONDITIONS OF THE WORK. "AS-BUILT" DRAWINGS SHALL BE PROVIDED TO THE ARCHITECT AFTER COMPLETION OF THE INSTALLATION.

5. GENERAL PROVISIONS FOR ELECTRICAL WORK:

A. SPECIFICATIONS ARE OF SIMPLIFIED FORM AND INCLUDE INCOMPLETE SENTENCES. WORDS OR PHRASES SUCH AS "THE CONTRACTOR SHALL," "SHALL BE," "FURNISH," "PROVIDE," "A," "THE," AND "ALL" HAVE BEEN OMITTED FOR BREVITY.

B. DEFINITIONS:

- 1) "PROVIDE": TO SUPPLY, INSTALL AND CONNECT UP COMPLETE AND READY FOR SAFE AND REGULAR OPERATION THE PARTICULAR WORK REFERRED TO UNLESS SPECIFICALLY OTHERWISE NOTED.
- 2) "INSTALL": TO ERECT, MOUNT AND CONNECT COMPLETE WITH RELATED ACCESSORIES.
- 3) "FURNISH" OR "SUPPLY": TO PURCHASE, PROCURE, ACQUIRE AND DELIVER COMPLETE WITH RELATED ACCESSORIES.
- 4) "WORK": LABOR, MATERIALS, EQUIPMENT, APPARATUS, CONTROLS, ACCESSORIES AND OTHER ITEMS REQUIRED FOR PROPER AND COMPLETE INSTALLATION.
- 5) "WIRING": RACEWAY, FITTINGS, WIRE, BOXES AND RELATED ITEMS.
- 6) "CONCEALED": EMBEDDED IN MASONRY OR OTHER CONSTRUCTION, INSTALLED IN FURRED SPACES, WITHIN DOUBLE PARTITIONS OR HUNG CEILINGS, IN TRENCHES, IN CRAWL SPACES, OR IN ENCLOSURES.
- 7) "EXPOSED": NOT INSTALLED UNDERGROUND OR "CONCEALED" AS DEFINED ABOVE.
- 8) "SIMILAR" OR "EQUAL": EQUAL IN MATERIALS, WEIGHT, SIZE, DESIGN AND EFFICIENCY OF SPECIFIED PRODUCT.

C. TEMPORARY LIGHT AND POWER: PROVIDE TEMPORARY LIGHT AND POWER SYSTEMS AT EARLIEST POSSIBLE DATE WITHIN THE CONSTRUCTION AREAS FOR THE REQUIREMENTS OF ALL TRADES AS HEREIN DESCRIBED. EXTEND SYSTEMS TO NEW CONSTRUCTION AS SOON AS PHYSICALLY POSSIBLE. MAINTAIN SYSTEM DURING WORKING HOURS OF ALL TRADES. COST OF ENERGY WILL BE PAID FOR BY OWNER. PROVIDE ALL REQUIRED MAINTENANCE, INCLUDING LAMPS AND SOCKETS.

D. QUALITY ASSURANCE

- 1) QUALITY AND GAUGE OF MATERIALS: NEW, BEST OF THEIR RESPECTIVE KINDS, FREE FROM DEFECTS AND LISTED BY UNDERWRITERS LABORATORIES, INC., OR OTHER NATIONALLY APPROVED TESTING AGENCY AND BEARING THEIR LABEL. MATERIALS AND EQUIPMENT OF SIMILAR APPLICATION SHALL BE OF SAME MANUFACTURER, EXCEPT AS NOTED.
- 2) GUARANTEE: ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED AS DEFINED IN PARAGRAPH 2.C.
- 3) CURRENT CHARACTERISTICS:
  - a. SERVICE: 120/208 VOLT, 3 PHASE, 4 WIRE, 60 HERTZ WITH GROUNDED NEUTRAL.
  - b. DISTRIBUTION: 265/460 VOLT (AND 120/208 VOLT), 3 PHASE, 4 WIRE, 60 HERTZ WITH GROUNDED NEUTRAL.
- 4) HEIGHTS OF OUTLETS: FROM FINISHED FLOOR TO CENTERLINE OF OUTLETS FOR:
  - a. RECEPTACLES AND TELEPHONES: 1 FT-6 IN.
  - b. WALL SWITCHES: 4 FT-0 IN.
  - c. WALL FIXTURES: 7 FT-0 IN.
  - d. MOTOR CONTROLLERS: 5 FT-0 IN.

EXCEPTIONS: AT JUNCTION OF DIFFERENT WALL FINISH MATERIALS, ON MOLDING OR BREAK IN WALL SURFACE, IN VIOLATION OF CODE, OR AS NOTED OR DIRECTED.

E. PRODUCT DELIVERY, STORAGE AND HANDLING

- 1) MOVING OF EQUIPMENT: WHERE NECESSARY, SHIP IN CARTED SECTIONS OF SIZE TO PERMIT PASSING THROUGH AVAILABLE SPACES.
- 2) ACCESSIBILITY: FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS SHALL BE PERMITTED. CHANGES OF MAGNITUDE OR INVOLVING EXTRA COST ARE NOT PERMISSIBLE WITHOUT REVIEW. GROUP CONCEALED ELECTRICAL EQUIPMENT REQUIRING ACCESS WITH EQUIPMENT FREELY ACCESSIBLE THROUGH ACCESS DOORS.

F. MATERIALS

- 1) NAMEPLATES: PROVIDE BLACK LAMICOID SHEET WITH 3/4 IN. WHITE LETTERING, FASTENED WITH EPOXY CEMENT FOR EACH DISCONNECT SWITCH, CIRCUIT BREAKER, PANEL, CABINET, TRANSFORMER, ENCLOSURE, MOTOR CONTROLLER AND THE LIKE. NAMEPLATES SHALL DESCRIBE THE NAME AND NUMBER OF EACH COMPONENT.
- 2) CABLE TAGS: TAG EACH CONDUCTOR PASSING THROUGH SPLICE OR PULLBOX WITH A WHITE LINEN TAG, INDICATING POINT OF ORIGIN AND TERMINATION OF THE CIRCUIT.
- 3) INSERTS AND SUPPORTS:
  - a. INSERTS: STEEL, SLOTTED TYPE, FACTORY PAINTED.
  - SINGLE ROD: SIMILAR TO GRINNELL FIG. 281.
  - MULTI-ROD: SIMILAR TO FEE AND MASON SERIES 9000 WITH END CAPS AND CLOSURE STRIPS.
  - CLIP FORM NAILS FLUSH WITH INSERTS.
  - MAXIMUM LOADING 75 PERCENT OF RATING.
  - b. SUPPORTS FROM BUILDING CONSTRUCTION: INSERTS, BEAM CLAMPS, STEEL FISHPLATES (IN CONCRETE FILL ONLY), CANTILEVER BRACKETS OR OTHER MEANS. SUBMIT FOR REVIEW.
  - c. GROUPED LINES AND SERVICES: TRAPEZE HANGERS OF BOLTED ANGLES OR CHANNELS.
  - d. WHERE BUILDING CONSTRUCTION IS INADEQUATE: PROVIDE ADDITIONAL FRAMING. SUBMIT FOR REVIEW.

G. PAINT SHALL BE THE BEST GRADE FOR ITS PURPOSE. DELIVER IN ORIGINAL SEALED CONTAINERS AND APPLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. COLORS SHALL BE AS SELECTED BY ARCHITECT OR ENGINEER. UTILIZE GALVANIZED IRON PRIMER ON PANEL AND PULL BOXES, AFTER FABRICATION. UTILIZE HOT DIPPED GALVANIZED OR DIPPED IN ZINC BASED PRIMER FOR: OUTLET BOXES, JUNCTION BOXES, CONDUIT HANGERS, RODS, INSERTS AND SUPPORTS. ZINC BASED PRIMER

# PURCHASE COLLEGE

## STATE UNIVERSITY OF NEW YORK

### PERFORMING ARTS CENTER

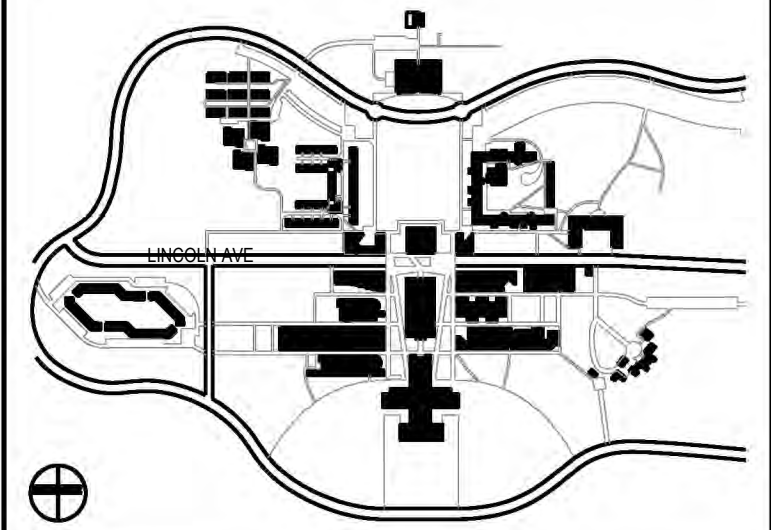
#### ADMISSIONS CONFERENCE ROOM

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 CONTACT SEAN CONNOLLY  
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KEY PLAN

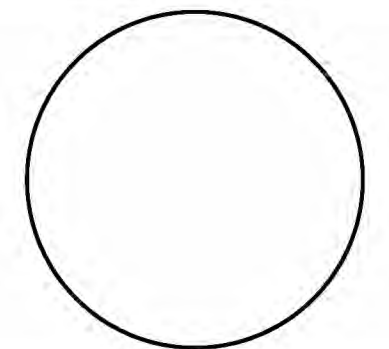


CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS & DIMENSIONS AND BE RESPONSIBLE FOR FIELD FIT AND QUANTITY OF WORK. NO ALLOWANCES SHALL BE MADE ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.

BUILDING DEPARTMENT NOTE:  
 THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

### COORDINATION ISSUE

SEAL:



NO	DATE	DESCRIPTION	ISSUES
02	01.22.2026	ISSUED FOR BID	
01	09.27.2024	ISSUED FOR 90% REVIEW	

CONTRACT NUMBER SU 022626  
 CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

## ELECTRICAL SPECIFICATIONS

### (1 OF 3)

DRAWING NUMBER DRAWING **6** OF **6**

# E-400.00

WITH FINISH TO MATCH SURROUNDINGS SHALL BE USED FOR MARRED SURFACES OF STEEL EQUIPMENT AND RACEWAYS. A FIELD-APPLIED ZINC BASED PRIME COAT SHALL BE UTILIZED FOR STEEL OR IRONWORK.

H. BRUSH AND CLEAN WORK PRIOR TO CONCEALING, PAINTING AND ACCEPTANCE. PAINTED EXPOSED WORK SOILED OR DAMAGED; CLEAN AND REPAIR TO MATCH ADJOINING WORK BEFORE FINAL ACCEPTANCE. REMOVE DEBRIS FROM INSIDE AND OUTSIDE OF MATERIAL AND EQUIPMENT.

I. FINAL LOCATIONS AND MOUNTING ORIENTATIONS OF ALL SWITCHES, RECEPTACLES AND LIGHT FIXTURES SHALL BE VERIFIED WITH ARCHITECT.

J. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.

6. LOW-VOLTAGE DISTRIBUTION EQUIPMENT:

A. PROVIDE COMPLETE EQUIPMENT INCLUDING: SWITCHES AND CIRCUIT BREAKERS.

B. ALL EQUIPMENT SHALL CONFORM TO NEMA, ANSI AND IEEE STANDARDS.

C. DISCONNECT SWITCHES SHALL BE FUSED OR NONFUSED AS NOTED. VOLTAGE SHALL BE AS REQUIRED. SWITCHES SHALL BE HEAVY DUTY, EXCEPT AS NOTED, AND HORSEPOWER RATED FOR MOTOR LOADS. TOGGLE TYPE SWITCHES SHALL BE NONFUSED, LOAD BREAK, HAVING MAXIMUM RATINGS OF 20 AMP AT 600 VOLTS AND 30 AMP AT 240 VOLTS. TWO-POLE SWITCHES SHALL BE SIMILAR TO HART AND HEGEMAN NO. 680BF. THREE-POLE SWITCHES SHALL BE SIMILAR TO HART AND HEGEMAN NO. 7810F.

KNIFE-BLADE TYPE SWITCHES SHALL BE LOAD BREAK, QUICK-MAKE-QUICK-BREAK, UL CLASS R UP TO 600 AMP. MAXIMUM RATING EXCEPT AS NOTED SHALL BE 800 AMP. ARC QUENCHERS SHALL BE PROVIDED. SWITCHES SHALL BE SIMILAR TO GENERAL ELECTRIC QMR. ALL SWITCH ENCLOSURES SHALL BE DEAD FRONT, NEMA TYPE 1, EXCEPT AS NOTED.

D. CIRCUIT BREAKERS: MOLDED CASE BREAKERS SHALL BE THERMAL-MAGNETIC, QUICK-MAKE-QUICK-BREAK, BOLT-ON TYPE, MANUALLY OPERATED WITH INSULATED TRIP-FREE HANDLE. MULTI-POLE TYPE BREAKERS SHALL CONTAIN INTERNAL TRIP BAR. TERMINALS SHALL BE SUITABLE FOR COPPER OR ALUMINUM CABLE. FURNISH AUXILIARY DEVICES WHERE REQUIRED FOR SHUNT-TRIPPING, OPEN AND CLOSE MOTOR OPERATOR AND ALARM INDICATION. ENCLOSURES SHALL BE DEAD FRONT, NEMA TYPE 1, EXCEPT AS NOTED. FRAMES, IC AND INTERCHANGEABLE TRIPS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:

- 1) 120 VOLTS, 100-AMP FRAME: 10,000 AMPS, 1 POLE.
2) 240 VOLTS, 100-AMP FRAME: 18,000 AMPS, 2 AND 3 POLES.

E. BALANCE THE LOAD OVER PHASES WHEN NEW CIRCUITS ARE ADDED TO NEW OR EXISTING PANELS. PROVIDE MULTI-CABLE LUGS WHERE REQUIRED. DOUBLE LUGGING SHALL NOT BE PERMITTED. MOUNTING HEIGHT SHALL BE A MAXIMUM OF 6 FT-6 IN. FROM FLOOR TO TOP SWITCH UNIT. UPDATE DIRECTORIES ON EXISTING PANELBOARDS WHERE CIRCUITING IS CHANGED.

F. TESTS: OPEN AND CLOSE LOAD BREAK SWITCHING DEVICES UNDER LOAD.

7. RACEWAYS:

A. PROVIDE RACEWAYS COMPLETE WITH BOXES, FITTINGS AND ACCESSORIES. CONDUIT OR TUBING SIZES REFERRED TO IN SPECIFICATIONS AND ON DRAWINGS ARE NOMINAL DIAMETERS. MINIMUM DIAMETER SHALL BE 3/4 IN.

B. MATERIALS

1) RACEWAYS:

- a. RIGID STEEL CONDUIT: FULL-WEIGHT PIPE, GALVANIZED, THREADED.
b. ELECTROMETALLIC TUBING (EMT): THIN WALL PIPE, GALVANIZED, THREADLESS.
c. FLEXIBLE STEEL CONDUIT: CONTINUOUS SINGLE STRIP, GALVANIZED.
d. WIREWAYS: WIRE SHALL BE AS NOTED, MINIMUM NO. 16 GAUGE STEEL WITH GROUND CONTINUITY. FINISH SHALL BE BAKED ENAMEL. COVERS SHALL BE SCREW-ON.
e. SURFACE METAL RACEWAY: SIZE AS NOTED. BASE 0.04 IN., COVER 0.25 IN. MATERIAL SHALL BE STEEL. FINISH SHALL BE BAKED ENAMEL. COVERS SHALL BE SCREW-ON.

2) FITTINGS AND ACCESSORIES:

- a. RIGID STEEL: NONSPLIT, THREADED, STEEL OR MALLEABLE IRON. ZINC DIE CAST NOT PERMITTED.
b. ELECTROMETALLIC TUBING: COMPRESSION TYPE. GALVANIZED RIGID STEEL ELBOWS, 2 IN. OR LARGER.
c. FLEXIBLE METALLIC CONDUIT: ANGLE WEDGE TYPE WITH INSULATED THROAT.
d. BUSHINGS: METALLIC INSULATED TYPE.

3) BOXES:

- a. OUTLET BOXES: EXCEPT AS OTHERWISE REQUIRED BY CONSTRUCTION, DEVICES OR WIRING, BOXES SHALL BE STAMPED STEEL, 4 IN. SQUARE OR OCTAGON FOR FIXTURES. BOXES ABOVE CEILING SHALL BE 1-1/2 IN. DEEP. BOXES IN CEILING OR SLAB SHALL BE 3 IN. DEEP. BOXES IN WALL FOR FIXTURES SHALL BE 2-3/4 IN. DEEP. BOXES IN WALL FOR RECEPTACLES AND SWITCHES SHALL BE 1-1/2 IN. DEEP. FURNISH WITH RAISED COVERS AND FIXTURE STUDS WHERE REQUIRED. WITHOUT FIXTURE OR DEVICE: FURNISH BLANK COVER. OFFSET BACK-TO-BACK OUTLETS WITH MINIMUM 6 IN. SEPARATION.
b. JUNCTION AND PULL BOXES: GALVANIZED SHEET STEEL WITH SCREW-ON COVERS, EXCEPT AS NOTED. FURNISH WITH INSULATED SUPPORTS FOR CABLES. LOCATIONS SHALL BE AS NOTED OR REQUIRED AND ACCESSIBLE.

C. PROVIDE RACEWAYS ONLY AS HEREIN SPECIFIED, EXCEPT AS NOTED. RACEWAYS SHALL BE RUN CONCEALED, EXCEPT AS NOTED.

PROVIDE RACEWAY SUPPORT UTILIZING CEILING TRAPEZE, STRAP HANGERS, OR WALL BRACKETS. PROVIDE U-BOLTS AT EACH FLOOR LEVEL OF RISER RACEWAYS AND CONNECTED TO ACCEPTABLE SUPPORTS. PROVIDE RISER CLAMPS AT EACH FLOOR LEVEL OF RISER RACEWAYS AND RESTING ON SLAB. FOR THROUGH-THE-FLOOR SYSTEMS, UTILIZE AN ASSEMBLY SIMILAR TO HUBBELL FIRE RATED POKE-THROUGH-FLOOR BOX SYSTEM. FOR ABOVE FLOOR FITTINGS, TELEPHONE

SHALL BE BUSHED HOLE AND POWER SHALL BE DUPLEX RECEPTACLE OR OTHER AS NOTED. PROVIDE SEPARATION BARRIER BETWEEN POWER AND TELEPHONE COMPARTMENTS. PROVIDE JUNCTION BOX ON UNDERSIDE OF FLOOR. PACK FITTING TO RESTORE FIRE RATING OF FLOOR.

SECURE ALL RACEWAYS TO SUPPORTS WITH PIPE STRAPS OR U-BOLTS. SPACING OF SUPPORTS SHALL BE A MAXIMUM OF 10 FT ON CENTER FOR METALLIC RACEWAY AND AS REQUIRED FOR NONMETALLIC RACEWAY. SPACING SHALL BE 5 FT ON CENTER FOR WIREWAYS AND PER CODE AND AS NOTED FOR OTHERS. MOUNT SUPPORTS TO STRUCTURE MASONRY WITH TOGGLE BOLTS ON HOLLOW MASONRY, EXPANSION SHIELDS OR INSERTS IN CONCRETE AND BRICK, MACHINE SCREWS ON METAL, BEAM CLAMPS ON FRAMEWORK, WOOD SCREWS ON WOOD, AND PAN THROUGH STRAPS IN METAL DECK. NAILS, RAWL PLUGS OR WOOD PLUGS SHALL NOT BE PERMITTED. WHERE REQUIRED BY STRUCTURE, FURNISH THROUGH BOLTS AND FISHPLATES.

EXPOSED RACEWAYS SHALL BE RUN PARALLEL WITH OR AT RIGHT ANGLES TO WALLS. PROVIDE CLEARANCE WITH WATER, STEAM OR OTHER PIPING (MINIMUM 3 IN. SEPARATION FROM STEAM AND HOT WATER PIPES, EXCEPT 1 IN. FROM PIPE COVER AT CROSSINGS AND 18 IN. FOR PARALLEL RUNS). FOR HUNG CEILING OUTLETS, RUN IN HUNG CEILING AND CONNECT TO CEILING SUPPORT CHANNELS. IN MASONRY AND POURED CONCRETE, RUN VERTICALLY ONLY.

MAINTAIN GROUNDING CONTINUITY OF INTERRUPTED METALLIC RACEWAYS WITH GROUND CONDUCTOR, AND IN FLEXIBLE CONDUIT FOR FEEDERS AND MOTOR TERMINAL CONNECTIONS.

EMPTY RACEWAYS OVER 10 FT LONG: PROVIDE FISH OR PULL WIRE, GALVANIZED OR NYLON ROPE.

RIGID STEEL CONDUIT SHALL BE PERMITTED FOR FEEDERS AND BRANCH CIRCUITS. PAINT MALE THREADS OF FIELD-THREADED CONDUIT WITH GRAPHITE-BASE PIPE COMPOUND AND BUTT CONDUIT ENDS. TOUCH UP MARRED SURFACES AND FIELD-CUT THREADS, CRC-COLD GALVANIZED.

EMT SHALL BE PERMITTED FOR BRANCH CIRCUITS ONLY, IN DRY LOCATIONS, DRY WALLS, HUNG CEILINGS, HOLLOW BLOCK WALLS AND FURRED SPACES. EMT SHALL NOT BE PERMITTED IN RAISED FLOORS.

FLEXIBLE STEEL CONDUIT SHALL BE UTILIZED FOR SHORT CONNECTIONS WHERE RIGID CONDUIT IS IMPRACTICAL. FROM OUTLET BOX TO RECESSED LIGHTING FIXTURE: PROVIDE MINIMUM 4 FT AND MAXIMUM 6 FT LENGTHS. FOR FINAL CONNECTION TO MOTOR TERMINAL BOX, TRANSFORMER AND OTHER VIBRATING EQUIPMENT: PROVIDE WITH POLYVINYL SHEATHING AND GROUND CONDUCTOR. MINIMUM LENGTH: 18 IN. WITH SLACK. CONNECT GROUND CONDUCTOR TO ENCLOSURE OR RACEWAY AT EACH END. FOR EXPANSION JOINT CROSSINGS, CROSS AT RIGHT ANGLES AND ANCHOR ENDS.

CUT CONDUIT ENDS SQUARE. REAM SMOOTH. PAINT MALE THREADS OF FIELD THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUND. DRAW UP TIGHT WITH RACEWAY COUPLING.

ALL COUPLINGS SHALL BE COMPRESSION TYPE. NO SET SCREW FITTINGS.

EXPANSION FITTINGS SHALL BE INSTALLED AT RIGHT ANGLES WITH CLIP JOINT CENTERED IN EXPANSION JOINT. PROVIDE A LENGTH OF RUN IN ACCORDANCE MANUFACTURER'S RECOMMENDATIONS. PRESET FITTINGS SHALL ALLOW FOR TEMPERATURE VARIATION.

D. ERECT WALL AND SWITCH OUTLETS IN ADVANCE OF FURRING AND FIREPROOFING. OUTLET BOXES SHALL BE SET SQUARE AND TRUE WITH BUILDING FINISH. SECURE TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRON OR GROUT IN WITH MASONRY. VERIFY OUTLET LOCATIONS IN FINISHED SPACES WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISHES.

E. JUNCTION AND PULL BOXES SHALL BE LOCATED CLEAR OF OTHER TRADES. CONCEAL JUNCTION AND PULL BOXES IN FINISHED SPACES. WHERE NECESSARY, REROUTE RACEWAYS OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT. BOXES SHALL BE ACCESSIBLE. SUPPORT BOXES FROM BUILDING STRUCTURE, INDEPENDENT OF CONDUIT. PROVIDE FLOOR-TO-CEILING CHANNELS FOR MOUNTING ON DRYWALL AND LIGHTWEIGHT CONSTRUCTION. OUTLET BOXES FOR FIXTURES RECESSED IN HUNG CEILINGS SHALL BE ACCESSIBLE THROUGH OPENING CREATED BY REMOVAL OF FIXTURE. SECURE TO BLACK IRON SUPPORT.

F. PERFORM CONTINUITY TESTS OF RESISTANCE OF FEEDER CONDUITS FROM SERVICE TO POINT OF FINAL DISTRIBUTION USING 1 CONDUCTOR RETURN. MAXIMUM RESISTANCE SHALL BE 25 OHMS.

8. WIRE AND CABLE:

A. PROVIDE WIRE AND CABLE COMPLETE WITH ACCESSORIES. SIZE REFERENCE SHALL BE AWG EXCEPT AS NOTED.

B. CONDUCTORS SHALL BE COPPER, ASTM STANDARD SOLID (NO. 10 AND SMALLER) OR STRANDED (NO. 8 AND LARGER). GENERAL USE CABLING SHALL BE NO. 12 MINIMUM. AT 120 VOLTS AND OVER 100 FT CIRCUIT LENGTH PROVIDE NO. 10 MINIMUM.

CONTROL AND ALARM CABLING, EXCEPT AS NOTED, SHALL BE NO. 14 MINIMUM. AT 120 VOLTS AND OVER 200 FT CIRCUIT LENGTH PROVIDE NO. 12 MINIMUM.

OTHER VOLTAGES AND PHASES: ADJUST CABLE SIZING AS REQUIRED TO MAINTAIN VOLTAGE DROP. INCREASE RACEWAY SIZES FOR LARGER WIRE AS REQUIRED.

C. INSULATION SHALL BE RUBBER AND THERMOPLASTIC MEETING ASTM AND IPCEA STANDARDS. TYPE THW OR THWN SHALL BE UTILIZED FOR FEEDERS AND BRANCH CIRCUITS EXCEPT AS NOTED.

D. METAL CLAD CABLE (MC) SHALL BE UTILIZED FOR BRANCH CIRCUITS IN DRY HOLLOW LOCATIONS, HUNG CEILINGS, AND BLOCK WALLS. WHEN USED IN LIEU OF WIRING IN CONDUIT, STATE IN PROPOSAL THAT PRICE IS BASED UPON THE USE OF MC.

E. COLOR CODING SHALL BE AS FOLLOWS:

- 1) 120/208 VOLT SYSTEM: BLACK FOR A PHASE, RED FOR B PHASE, BLUE FOR C PHASE
2) NEUTRAL WIRE SHALL UTILIZE WHITE OUTER COVERING THROUGHOUT.

EQUIPMENT GROUND WIRE SHALL UTILIZE GREEN OUTER COVERING THROUGHOUT.

WHERE COLOR-CODED CABLE IS NOT AVAILABLE, CERTIFY IN WRITING AND REQUEST PERMISSION TO OVERLAP CONDUCTORS WITH 6 IN. OF COLOR TAPING IN ACCESSIBLE LOCATIONS.

F. PROVIDE FLAMEPROOF LINEN OR FIBER TAGS IN ACCESSIBLE LOCATIONS. FOR FEEDERS INDICATE FEEDER NUMBER, SIZE, PHASE AND POINTS OF ORIGIN AND TERMINATIONS. FOR CONTROL AND ALARM WIRING, INDICATE TYPE (CONTROL OR ALARM), SIZE OF WIRE, AND POINTS OF ORIGIN AND TERMINATIONS.

G. TERMINATIONS, SPLICES AND TAPS UNDER 600 VOLTS: COPPER CONDUCTORS NO. 10 AND SMALLER SHALL UTILIZE COMPRESSION-TYPE OF TWIST-ON SPRING-LOADED CONNECTORS AND CLEAR NYLON-INSULATED COVERING. COPPER CONDUCTORS NO. 8 AND LARGER SHALL UTILIZE MECHANICAL BOLTED PRESSURE OR HYDRAULIC COMPRESSION TYPE USING MANUFACTURER'S RECOMMENDED TOOLING. CABLE LUGS AND CONNECTORS SHALL UTILIZE COMPRESSION TYPE OF SAME METAL AS CONDUCTOR. PROVIDE TO MATCH CABLE, WITH MARKING INDICATING SIZE AND TYPE. COPPER LUG CONNECTIONS TO BUS BARS: USE ANTISEIZE COMPOUND ON TANG.

H. NOT MORE THAN 3 LIGHTING OR CONVENIENCE OUTLET CIRCUITS SHALL BE INSTALLED IN ONE CONDUIT UNLESS OTHERWISE INDICATED. PULL NO THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32 °F.

I. LEAVE WIRES WITH SUFFICIENT SLACK TO PERMIT MAKING FINAL CONNECTIONS.

J. PERFORM CONTINUITY AND INSULATION TESTS. MEGGER TEST 100 PERCENT OF FEEDERS, 10 PERCENT OF BRANCH CIRCUITS.

PERFORM TESTS PRIOR TO CONNECTING EQUIPMENT AND IN PRESENCE OF AUTHORIZED REPRESENTATIVES. SUBMIT WRITTEN REPORT OF RESULTS. CORRECT OR REPLACE CABLE TESTING BELOW MANUFACTURER'S STANDARDS.

9. DEVICES:

A. PROVIDE COMPLETE MATERIAL AND ACCESSORIES AS NOTED.

B. LOCAL WALL SWITCHES SHALL BE SPECIFICATION GRADE, DECORATOR, QUIET TYPE, RATED 20 AMP, 120/277 VOLT AC. SIMILAR TO PASS & SEYMOUR NOS. 2621W (SINGLE POLE), 2622W (DOUBLE POLE), 2623W (3-WAY) AND 2624W (4-WAY).

C. INSERTION RECEPTACLES SHALL BE SPECIFICATION GRADE DUPLEX CONVENIENCE 125 VOLTS, 2 POLE, 3 WIRE, U GROUND SLOT. GROUNDED, EXCEPT AS NOTED. MEETING NEMA STANDARDS, PUBLICATION WD-1-1971. SIMILAR TO PASS & SEYMOUR NOS. 26342W (20 AMP) AND 26242W (15 AMP).

1) SINGLE, EXCEPT AS NOTED:

a. 20 AMP STRAIGHT BLADE, SIMILAR TO PASS & SEYMOUR NO. 5361W.

b. 125 VOLT, 2 POLE, 3 WIRE, GROUNDED.

2) SPECIAL USE: NONINTERCHANGEABLE TYPES AND RATINGS.

D. DEVICE PLATES: SEE ARCHITECT FOR TYPE. FOR RECEPTACLES WITH OTHER THAN 120 VOLT, INSCRIBED VOLTAGE AVAILABLE.

E. COLORS: COORDINATE COLORS WITH ARCHITECT.

F. MOUNTING ORIENTATION OF RECEPTACLES (VERTICAL): COORDINATE WITH ARCHITECT.

10. LIGHTING CONTROLS:

J. BASIS OF DESIGN FOR ALL LIGHTING CONTROL SYSTEMS AND DEVICES IS ACUITY LIGHTING CONTROLS. OTHER ACCEPTABLE MANUFACTURERS ARE:

- a. SENSOR SWITCH LIGHTING CONTROLS
b. WATTSTOPPER LIGHTING CONTROLS
c. DOUGLAS LIGHTING CONTROLS
d. OTHER APPROVED EQUAL.

B. ALL OCCUPANCY/VACANCY SENSORS SHALL BE WIRED TYPE UNLESS OTHERWISE NOTED. ROOMS CONTAINING MOVING EQUIPMENT, SUCH AS MECHANICAL ROOMS, PUMP ROOMS, ETC. SHALL BE EQUIPPED WITH PIR SENSORS. ALL OTHER SPACES SHALL BE PROVIDED WITH DUAL TECHNOLOGY SENSORS.

C. PROVIDE COMBINATION WALL SWITCH OCCUPANCY/VACANCY SENSORS AS INDICATED ON DRAWINGS. ALL COMBINATION SWITCH SENSORS SHALL BE LINE VOLTAGE TYPE.

D. ALL POWER PACKS SHALL BE CAPABLE OF SUPPORTING LIGHTING LOADS AS INDICATED ON DRAWINGS. POWER PACKS SHALL BE COMPATIBLE WITH LOAD DIMMING TYPE, WHERE REQUIRED (0-10V, ELV, 2-WIRE DIMMING, ETC.). ALL POWER PACKS SHALL BE LOCATED IN ACCESSIBLE LOCATIONS, AWAY FROM PUBLIC VIEW WHEREVER POSSIBLE.

E. IDENTIFY ALL TIMECLOCKS, CONTACTORS, AND REMOTE LIGHTING CONTROL EQUIPMENT WITH LOAD SERVED.

F. ALL LIGHTING CONTROL COMPONENTS, INCLUDING BUT NOT LIMITED TO SENSORS, SWITCHES, AND POWER PACKS, SHALL BE TESTED FOR PROPER OPERATION. THIS INCLUDES TIME DELAYS AND DIMMING FUNCTIONALITY. ALL SENSORS SHALL BE ADJUSTED TO ACHIEVE OPTIMAL COVERAGE AS REQUIRED.

11. TELEPHONE CONDUIT SYSTEM:

A. PROVIDE COMPLETE SYSTEM OF: EMPTY CONDUIT, PULL BOXES, OUTLETS, SLEEVES AND FISHWIRES.

B. EQUIPMENT SHALL CONFORM TO REQUIREMENTS OF TELEPHONE COMPANY.

C. OUTLETS SHALL BE:

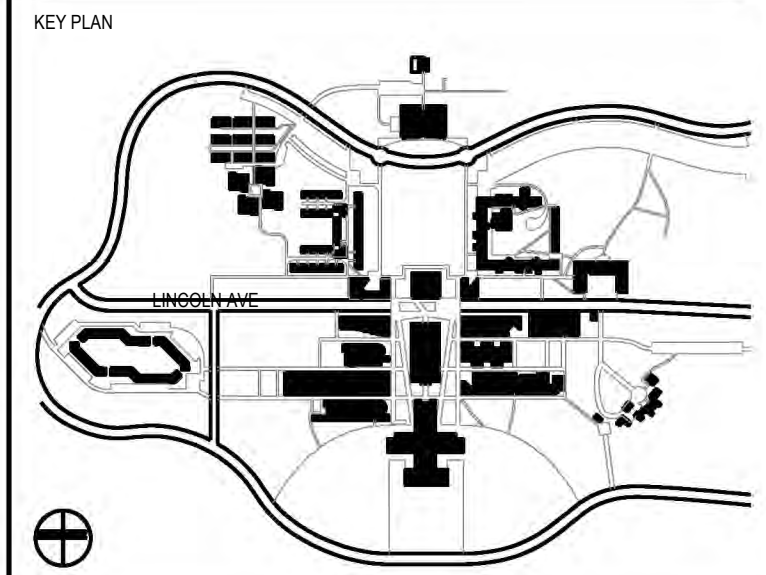
- 1) ALL: 4 IN. SQUARE WITH BUSHED COVER PLATE.
2) FLOOR: CAST IRON WITH LOW TENSION FITTING.

PURCHASE COLLEGE STATE UNIVERSITY OF NEW YORK PERFORMING ARTS CENTER ADMISSIONS CONFERENCE ROOM

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CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS & DIMENSIONS AND BE RESPONSIBLE FOR FIELD FIT AND QUANTITY OF WORK. NO ALLOWANCES SHALL BE MADE ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.

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COORDINATION ISSUE

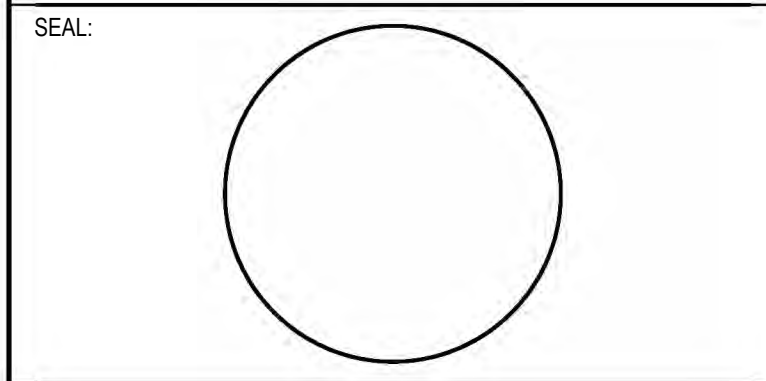


Table with columns: NO, DATE, DESCRIPTION, ISSUES. Row 02: 01.22.2026 ISSUED FOR BID. Row 01: 09.27.2024 ISSUED FOR 90% REVIEW.

CONTRACT NUMBER SU 022626
CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE: ELECTRICAL SPECIFICATIONS (2 OF 3)

DRAWING NUMBER DRAWING 6 OF 6

E-401.00

- D. PROVIDE FISHWIRES, IN RACEWAYS OVER 10 FT LONG.
- E. CONDUIT SHALL BE 3/4 IN. MINIMUM. FURNISH EMPTY CONDUIT FROM OUTLET TO NEAREST ACCESSIBLE HUNG CEILING.

- e. ALL POST-INSTALLED ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND CURRENT ICC-ES REPORTS.

4) INSPECTION OF POST-INSTALLED ANCHORS:

- d. METHOD OF INSPECTION SHALL BE AT THE DISCRETION OF THE SPECIAL INSPECTOR.
- e. CONTRACTOR SHALL PROVIDE ALL REQUIRED INFORMATION, DRAWINGS, EQUIPMENT DOCUMENTATION, ETC. REQUESTED BY THE SPECIAL INSPECTOR A MINIMUM OF 10 WORKING DAYS IN ADVANCE OF THE INSPECTION.
- f. (NYC) CONTINUOUS INSPECTION: ADHESIVE ANCHORS INSTALLED IN THE HORIZONTAL OR UPWARDLY INCLINED POSITIONS ARE SUBJECT TO CONTINUOUS SPECIAL INSPECTION.
- g. PERIODIC INSPECTION: MECHANICAL AND SCREW ANCHORS INSTALLED IN ANY ORIENTATION ARE SUBJECT TO PERIODIC INSPECTION. FREQUENCY OF INSPECTIONS SHALL BE AT THE SPECIAL INSPECTOR'S DISCRETION.

12. GROUNDING

- A. GROUND CONNECTORS SHALL BE TIN-PLATED ALUMINUM ALLOY, UL APPROVED AND STAMPED FOR USE WITH COPPER CONDUCTORS ONLY.
- B. GROUND CABLES SHALL BE BARE OR GREEN COLOR CODED, INSULATED, ANNEALED STRANDED TINNED COPPER WIRE AS INDICATED ON DRAWINGS.
- C. PROVIDE CONTINUOUS GROUND PATH FOR ALL ELECTRICAL CIRCUITS, FROM POINT OF UTILIZATION BACK TO SOURCE THROUGH GROUND WIRES, CONDUIT RUNS, AND RELATED ITEMS.
- D. ALL GROUND WIRES AND BONDING JUMPERS SHALL BE STRANDED COPPER INSTALLED IN CONDUIT. ALL GROUND WIRES SHALL BE WITHOUT JOINTS AND SPLICES OVER ITS ENTIRE LENGTH.

13. FIRESTOPPING

A. QUALITY ASSURANCE:

- 12) USE FIRESTOPPING SYSTEMS THAT HAVE BEEN TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479. LISTING BY UL (DIR), UL (FDR), FM (AG), OR ITS (DIR) IN THEIR CERTIFICATION DIRECTORIES WILL BE CONSIDERED EVIDENCE OF SUCCESSFUL TESTING.
- 13) MANUFACTURER QUALIFICATIONS: COMPANY SPECIALIZING IN MANUFACTURING THE PRODUCTS FOR USE IN FIRE RATED ASSEMBLIES WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE. FIRESTOPPING ASSEMBLY REQUIREMENTS FOR MEMBRANE AND THROUGH PENETRATIONS, PROVIDE FIRESTOPPING MATERIALS TO CREATE A LISTED SYSTEM, FOR THE ASSEMBLY BEING PENETRATED AND FIELD CONDITIONS, THAT HAVE THE FOLLOWING PROPERTIES, EXCEPT AS OTHERWISE PERMITTED BY THE BUILDING CODE:
  - a. FIRE RESISTANCE: PROVIDE SYSTEMS THAT HAVE BEEN TESTED TO SHOW F-RATING EQUAL TO REQUIRED FIRE RATING OF PENETRATED ASSEMBLY.
  - b. TEMPERATURE RISE: PROVIDE SYSTEMS THAT HAVE BEEN TESTED TO SHOW T-RATING EQUAL TO OR GREATER THAN THE F-RATING.
  - c. AIR LEAKAGE: PROVIDE SYSTEMS THAT HAVE BEEN TESTED TO SHOW L-RATING IS EQUAL TO OR GREATER THAN THE L-RATING OF JOINTS IN ASSEMBLY BEING PENETRATED.
  - d. WATERTIGHTNESS: PROVIDE SYSTEMS THAT HAVE BEEN TESTED TO MEET A CLASS 1 W-RATING FOR FLOOR PENETRATIONS.

A. FIELD CONDITIONS

- 1) COMPLY WITH FIRESTOPPING MANUFACTURER'S RECOMMENDATIONS FOR TEMPERATURE AND CONDITIONS DURING AND AFTER INSTALLATION; MAINTAIN MINIMUM TEMPERATURE BEFORE, DURING, AND FOR THREE DAYS AFTER INSTALLATION OF MATERIALS.
- 2) PROVIDE VENTILATION IN AREAS WHERE SOLVENT-CURED MATERIALS ARE BEING INSTALLED.

D. INSPECTION OF FIRESTOPPING SYSTEMS

- 1) METHOD OF INSPECTION SHALL BE AT THE DISCRETION OF THE SPECIAL INSPECTOR. CONTRACTOR SHALL PROVIDE ALL REQUIRED INFORMATION, COORDINATE WITH SPECIAL INSPECTOR AT LEAST 10 DAYS IN ADVANCE OF FIRE STOP INSTALLATION, AND ARRANGE SITE ACCESS. CONTRACTOR SHALL COMPLETELY REMOVE AND RESTORE ALL FIRESTOPPING THAT HAS UNDERGONE DESTRUCTIVE TESTING. NO CLAIMS FOR ADDITIONAL COST OR TIME WILL BE ALLOWED.
- 2) VISUAL INSPECTION: SPECIAL INSPECTOR SHALL BE ONSITE DURING INSTALLATION AND RANDOMLY WITNESS A MINIMUM OF 10% OF EACH TYPE OF FIRE STOP BEING INSTALLED.
- 3) DESTRUCTIVE TESTING: VERIFICATION OF FIRESTOPPING AFTER INSTALLATION HAS TAKEN PLACE. A MINIMUM OF 2%, BUT NOT LESS THEN ONE, OF EACH TYPE OF FIRE STOP SHALL BE INSPECTED PER FLOOR OR EACH AREA OF A FLOOR WHEN A FLOOR AREA IS LARGER THAN 10,000 SQ. FT.

14. POST-INSTALLED ANCHORS

A. QUALITY ASSURANCE:

- 1) USE POST-INSTALLED ANCHORS THAT HAVE BEEN DESIGNED AND TESTED IN ACCORDANCE WITH:
- 2) PROVIDE POST-INSTALLED ANCHORS AS FOLLOWS:
  - a. ANCHOR SHALL HAVE A CURRENT ICC-ES REPORT FOR THE BASE MATERIAL.
  - b. SELECT AND INSTALL ANCHOR BASED ON CONCRETE STRENGTH INDICATED BY CORE TESTS. OTHERWISE, ASSUME 2,000 PSI CONCRETE.
  - c. PROVIDE AISI 316 STAINLESS STEEL POST-INSTALLED ANCHORS IN CORROSIVE ENVIRONMENTS.
  - d. ALL ANCHORS INSTALLED ON UNDERSIDE OF CONCRETE SLAB SHALL BE APPROVED FOR USE IN CRACKED CONCRETE.
  - e. SPACING AND EDGE DISTANCE OF ANCHORS SHALL CONFORM TO THE REQUIREMENTS OF THE STRUCTURAL ENGINEER OR ANCHOR MANUFACTURE.
  - f. USE A SAFETY FACTOR OF 4 TO THE PROOF TENSILE LOAD OF THE ANCHOR WHEN DETERMINING THE ALLOWABLE DESIGN TENSILE LOAD.

3) INSTALLATION REQUIREMENTS:

- a. COMPLY WITH POST-INSTALLED ANCHOR MANUFACTURER'S RECOMMENDATIONS FOR ADHESIVE STORAGE TEMPERATURE AND CONDITIONS FOR ADHESIVE ANCHORS BEFORE, DURING AND AFTER INSTALLATION.
- b. ONLY STORE SOLVENT-CURED MATERIALS IN VENTILATED AREAS.
- c. FOLLOW OSHA REQUIREMENTS WHEN PERFORMING ANY DRILLING THAT CAN RESULT IN SILICA DUST.
- d. POST-INSTALLED ADHESIVE ANCHORS INSTALLED OVERHEAD SHALL BE INSTALLED BY PERSONS CERTIFIED BY ACI TO PERFORM SUCH INSTALLATIONS.

# PURCHASE COLLEGE

## STATE UNIVERSITY OF NEW YORK PERFORMING ARTS CENTER

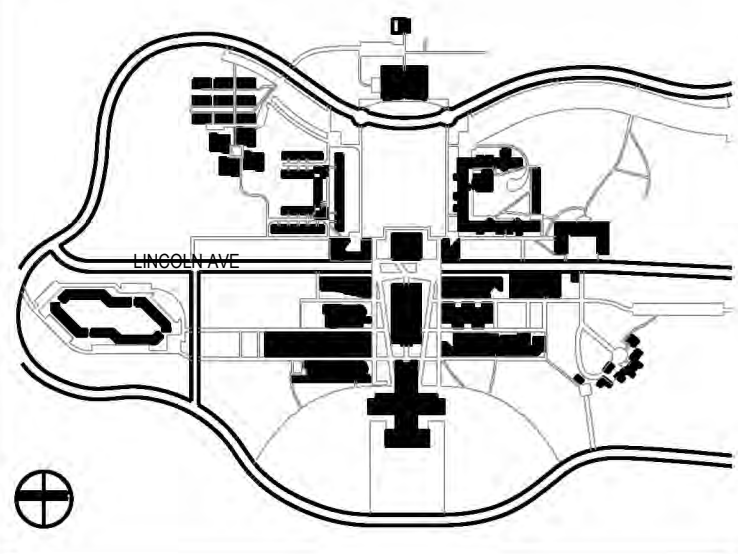
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KEY PLAN



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### COORDINATION ISSUE

SEAL:

NO	DATE	DESCRIPTION	ISSUES
02	01.22.2026	ISSUED FOR BID	
01	09.27.2024	ISSUED FOR 90% REVIEW	

CONTRACT NUMBER SU 022626  
 CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:  
**ELECTRICAL SPECIFICATIONS**  
**(3 OF 3)**

DRAWING NUMBER DRAWING 6 OF 6

# E-402.00

3/30/2026 5:59 PM SAVE DATE: 1/22/2026 1:21 PM

## SYMBOLS

	BOTTOM PIPE CONNECTION
	CLEAN OUT/PLUGGED OUTLET
	CLEAN OUT DECK PLATE
	ELBOW TURNED DOWN
	ELBOW TURNED UP/CONNECT TO VERTICAL LINE
	FLOOR DRAIN
	"P" TRAP
	TOP PIPE CONNECTION
	DISCONNECT FROM EXISTING
	CONNECT TO EXISTING

## PIPING LEGEND

	DOMESTIC COLD WATER PIPING
	DOMESTIC HOT WATER PIPING
	DOMESTIC HOT WATER CIRCULATION PIPING
	PIPING IN CEILING OF FLOOR BELOW/BURIED PIPING
	SANITARY PIPING
	SPRINKLER PIPING
	VENT PIPING (SANITARY)
	EXISTING PIPING TO REMAIN
	EXISTING PIPING TO BE REMOVED

## ABBREVIATIONS

AD	AREA DRAIN	GAR.	GARAGE
AFF	ABOVE FINISHED FLOOR	GC	GENERAL CONTRACTOR
BLDG	BUILDING	GPM	GALLONS PER MINUTE
BOP	BOTTOM OF PIPE	HD	HEAD
CLG	CEILING	HW	HOT WATER
CO	CLEAN OUT	HWR	HOT WATER RETURN
CODP	CLEAN OUT DECK PLATE	JS	JANITOR'S SINK
CONN.	CONNECT	LAV	LAVATORY
CONT.	CONTINUED/CONTINUATION	MAX	MAXIMUM
CV	CHECK VALVE	MH	MANHOLE
CVO	CAPPED VALVE OUTLET	MIN	MINIMUM
CW	COLD WATER	NC	NORMALLY CLOSED
DIA	DIAMETER	N.I.C.	NOT IN CONTRACT
DIS	DISCHARGE	N.O.	NORMALLY OPEN
DN	DOWN (PENETRATES FLOOR SLAB)	NTS	NOT TO SCALE
DR	DRAIN	SAN	SANITARY
DWG	DRAWING	SP	SPRINKLER
EL	ELEVATION	TYP	TYPICAL
EX	EXISTING	UON	UNLESS OTHERWISE NOTED
FD	FLOOR DRAIN	UP	UP (PENETRATES FLOOR SLAB)
FL	FLOOR	V	VENT
FT	FEET	VIF	VERIFY IN FIELD
FU	FIXTURE UNIT	W	WASTE
GAL	GALLONS	WC	WATER CLOSET

## DRAWING LIST

P-001.00	SPRINKLER COVER SHEET
P-002.00	SPRINKLER COVER SHEET
P-100.00	PLUMBING AND SPRINKLER CONSTRUCTION PLANS
P-200.00	PLUMBING SPECIFICATIONS
P-201.00	SPRINKLER SPECIFICATIONS
P-202.00	SPRINKLER SPECIFICATIONS CONTINUED

## PLUMBING GENERAL NOTES

- THE DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL PIPING AND EQUIPMENT AND INDICATE THE REQUIRED SIZE AND POINTS OF TERMINATION OF THE PIPING AND SUGGEST PROPER ROUTING OF SAME. HOWEVER, IT IS NOT THE INTENTION OF THE DRAWINGS TO SHOW ALL NECESSARY OFFSETS, OBSTRUCTIONS OR STRUCTURAL CONDITIONS. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO INSTALL HIS WORK IN SUCH A MANNER THAT IT WILL CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR WITHOUT FURTHER CONSTRUCTION OR COST.
- INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATING, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES OF MAGNITUDE WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
- COORDINATE THE EXACT SIZE AND LOCATION OF NEW OPENINGS. PATCH AND INSULATE AS REQUIRED. THE CONTRACTOR SHALL FIRESTOP ALL PENETRATIONS OF PIPING, CONDUIT, DUCTWORK, ETC. THROUGH FIRE/ SMOKE BARRIERS. FIRE/SMOKE STOPPING SHALL BE 3M FIRE BARRIER CP 25 N/S CAULK UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL INCUR ALL COSTS AND BURDENS ASSOCIATED WITH LOST OR STOLEN EQUIPMENT AND MATERIALS.
- DAILY, DURING THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND EXCESS MATERIAL ACCUMULATED AS A RESULT OF HIS OPERATIONS. ALL AREAS AND EQUIPMENT AFFECTED UNDER THIS CONTRACT SHALL BE CLEAN OF DUST AND DEBRIS BEFORE FINAL ACCEPTANCE BY OWNER.
- PROVIDE FOR LEGAL REMOVAL AND DISPOSAL OF ALL RUBBISH AND DEBRIS FROM THE BUILDING AND SITE.
- THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.
- PLUMBING WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN THROUGH THE DEPARTMENT OF BUILDINGS ALL REQUIRED PERMITS, INSPECTIONS AND REQUIRED SIGN OFFS.
- ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN THROUGH THE BUREAU OF ELECTRICAL CONTROL ALL REQUIRED PERMITS, INSPECTIONS AND REQUIRED SIGN OFFS.
- CONTRACTOR IS TO OBTAIN ALL PERMITS, PAY ALL FEES, CONNECTION CHARGES, ETC.
- PAINT AND TOUCH-UP ALL SURFACES MARRED BY PERFORMANCE OF THE WORK.
- ALL WORK SHOWN ON THESE DRAWINGS IS NEW UNLESS OTHERWISE NOTED.

## PLUMBING DEMOLITION NOTES

- EACH BIDDER SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE CONDITION OF THE PREMISES AND THE EXTENT AND CHARACTER OF WORK REQUIRED. NO ADDITIONAL COMPENSATION WILL BE APPROVED DUE TO FIELD CONDITIONS.
- DRAWINGS INDICATE VISIBLE CONDITIONS PRIOR TO DEMOLITION. DEMOLITION MAY UNCOVER ADDITIONAL PIPING OR EQUIPMENT THAT SHOULD BE ADDRESSED. REMOVE ALL EXISTING COMPONENTS SERVING THE AREA THAT ARE NOT INDICATED TO BE REUSED OR TO RECEIVE NEW CONNECTIONS. ALERT ARCHITECT/ENGINEER OF ANY CONDITIONS WHERE THE INTENT IS NOT CLEAR.
- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT. LOCATIONS AND SIZES OF EXISTING PIPING ARE APPROXIMATE. EXACT SIZES AND LOCATIONS OF ALL EXISTING PIPING AND EQUIPMENT SHALL BE VERIFIED AT THE SITE.
- NOTIFY BUILDING MANAGER AT LEAST 48 HOURS BEFORE DEMOLITION WORK OR BEFORE SHUT DOWN OF EXISTING SERVICES. RISER SHUT DOWNS SHALL BE PERFORMED AT TENANT'S COST, AT DESIGNATED TIMES UNDER BUILDING MANAGER'S SUPERVISION AND ONLY WITH HIS APPROVAL. WHERE THE WORK MAKES TEMPORARY SHUTDOWNS OF SERVICES UNAVOIDABLE, THEY SHALL BE MADE AT NIGHT OR AT TIMES THAT WILL CAUSE THE LEAST INTERFERENCE WITH THE ESTABLISHED OPERATING ROUTINE OF THE BUILDING.
- THIS CONTRACTOR SHALL ARRANGE THE WORK CONTINUOUSLY, INCLUDING OVERTIME APPROVED BY ARCHITECT IF REQUIRED, TO ASSURE THAT SERVICES WILL BE SHUT DOWN AND CUT-INS PERFORMED ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO EXISTING WORK. ALL COSTS RESULTING FROM TEMPORARY SHUTDOWNS SHALL BE BORNE BY THE CONTRACTOR.
- ANY AND ALL REQUIRED DEMOLITION WORK TO BE PERFORMED ABOVE EXISTING SUSPENDED CEILINGS AND FURRED OUT WALLS SHALL BE DONE AT THE TIME WHEN THE EXISTING CEILINGS AND FURRED OUT WALLS ARE REMOVED BY THE GENERAL CONTRACTOR.
- REMOVE EXISTING PLUMBING FIXTURES AND PIPING IN THE AREA OF WORK. CUT AND CAP EXISTING WASTE, VENT, AND DOMESTIC LINES SERVING THESE FIXTURES BACK TO ACTIVE LINES OR AS INDICATED ON THE DRAWINGS. ALL REMOVED PLUMBING FIXTURES SHALL BE TURNED OVER TO OWNER, DISPOSED, OR SALVAGED AS DIRECTED BY OWNER. UPON COMPLETION OF WORK, NO PIPING SHALL BE ABANDONED IN PLACE.
- REMOVED EXISTING PIPING FITTINGS, VALVES, FIXTURES, ETC. SHALL NOT BE REUSED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- UNDER NO CIRCUMSTANCES WILL THIS CONTRACTOR OR HIS WORKMEN BE PERMITTED TO USE ANY PART OF THE BUILDING AS A SHOP, EXCEPT PARTS DESIGNATED BY THE OWNER FOR SUCH PURPOSES.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL FROM THE PREMISES OF ALL DEBRIS RESULTING FROM PLUMBING WORK. UNNECESSARY NOISE SHALL BE AVOIDED AT ALL TIMES AND NECESSARY NOISE SHALL BE REDUCED TO A MINIMUM.
- ALL EQUIPMENT AND INSTALLATIONS MUST BE EQUAL TO THE STANDARDS OF THE BASE BUILDING. ANY DEVIATION FROM BUILDING STANDARDS WILL BE PERMITTED ONLY IF INDICATED OR SPECIFIED ON THESE PLANS AND SPECIFICATIONS, AND APPROVED BY OWNER.
- UPON COMPLETION OF WORK, EXISTING CONDITIONS OF BASE BUILDING MUST BE FULLY OPERATIONAL, INCLUDING ALL SANITARY PIPING PROPERLY VENTED. THIS CONTRACTOR SHALL MAKE NECESSARY CHANGES TO ENSURE THE COMPLETE FUNCTIONALITY OF ALL PLUMBING SYSTEMS.

# PURCHASE COLLEGE

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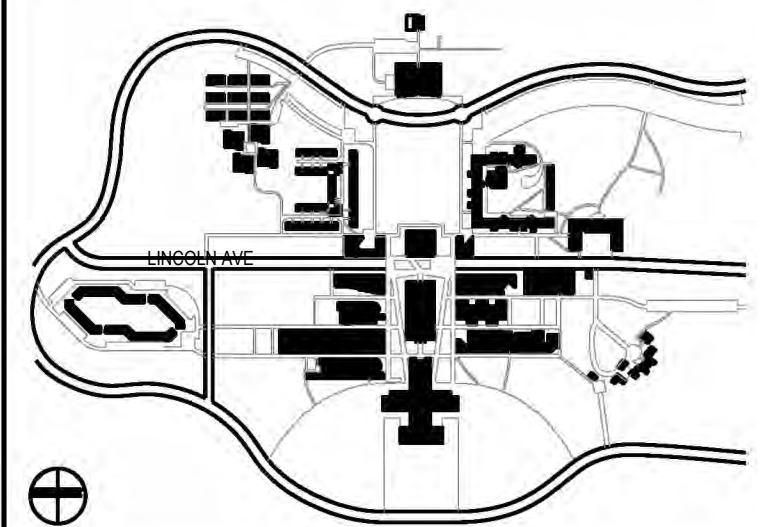
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KEY PLAN

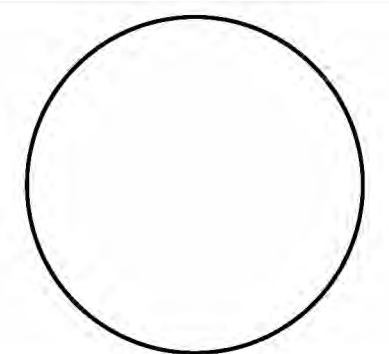


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## COORDINATION ISSUE

SEAL:



02	01.22.2026	ISSUED FOR BID	
01	09.27.2024	ISSUED FOR 90% REVIEW	
NO	DATE	DESCRIPTION	ISSUES

CONTRACT NUMBER SU 022626  
 CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

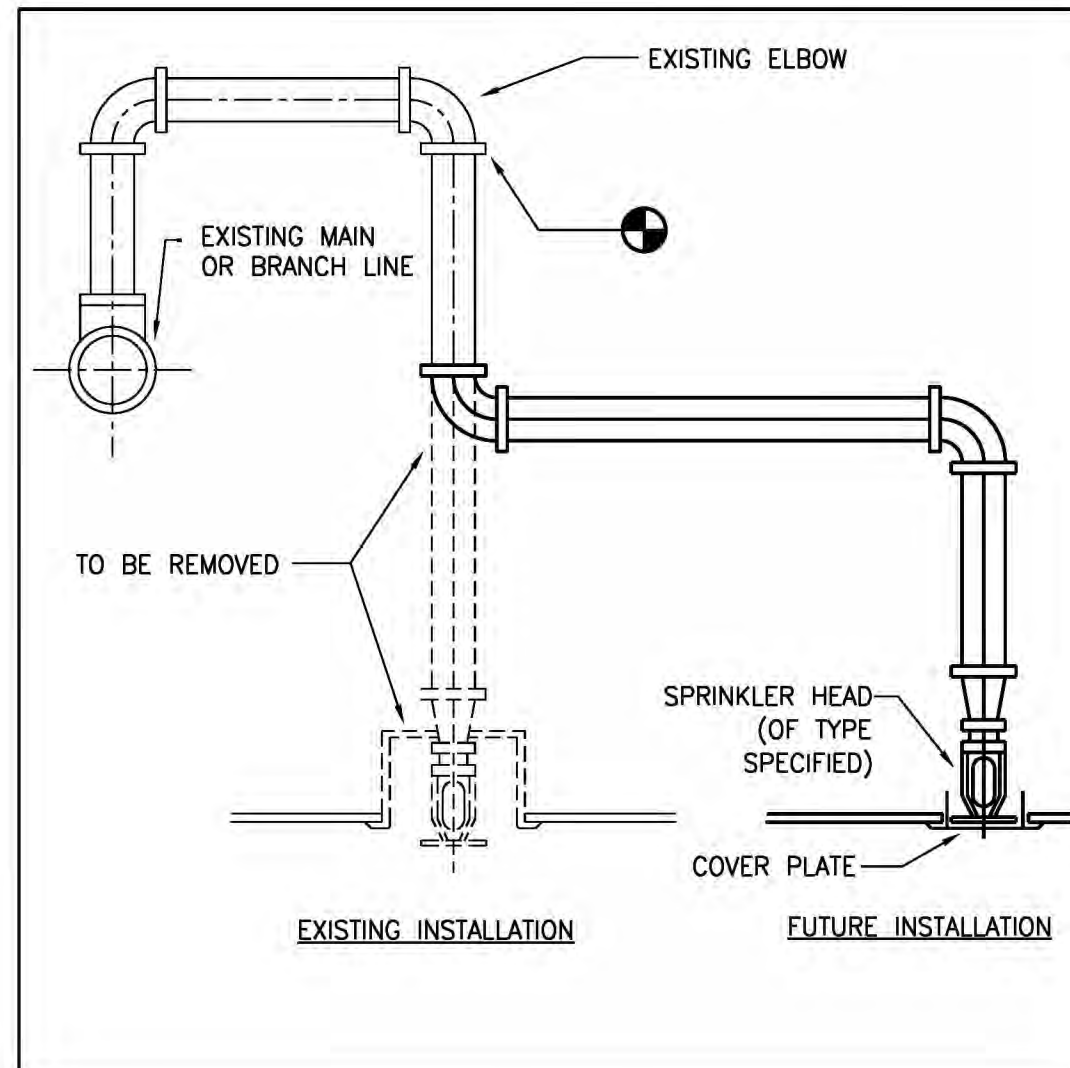
## PLUMBING COVER SHEET

DRAWING NUMBER DRAWING 1 OF 6

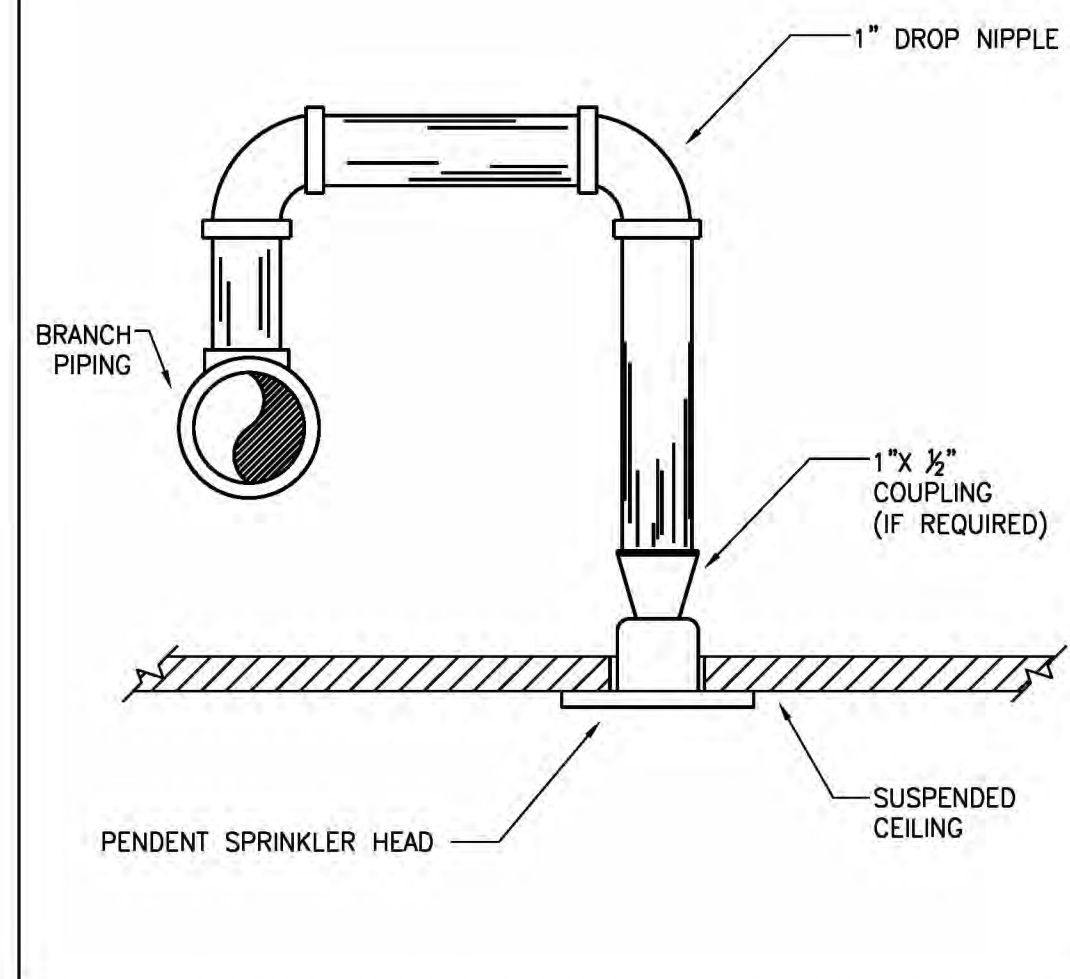
# P-001.00

# SPRINKLER HEAD SCHEDULE

DESIGNATION	REQUIRED	TYPE							OPERATION					
		TYCO RELIABLE VIKING	CONCEALED	PENDANT	UPRIGHT	SIDEWALL	EXIST SPRINKLER TO BE REMOVED	EXIST SPRINKLER HEAD	K-FACTOR	ORIFICE SIZE (INCH)	TEMPERATURE (°F)	MINIMUM PRESSURE (PSI)	LISTINGS	REMARKS
●	●	G5-56	●						5.6	½	155	7.0	cULus, FM	OFFICES
☒						●								EXISTING HEAD TO BE RELOCATED



TYPICAL SPRINKLER HEAD RELOCATION



TYPICAL CONCEALED SPRINKLER  
INSTALLATION

# SPRINKLER GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK STATE BUILDING CODE, FIRE DEPARTMENT RULES AND REGULATIONS, UTILITY COMPANY REQUIREMENTS, AND THE BEST TRADE PRACTICES.
- BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FILE ALL REQUIRED INSURANCE CERTIFICATES WITH THE DEPARTMENT OF BUILDINGS, OBTAIN ALL REQUIRED PERMITS, AND PAY ALL FEES REQUIRED BY THE GOVERNING AGENCIES OF THE VILLAGE OF TARRYTOWN. CONTRACTOR SHALL PRESENT PACKAGE OF ALL PERMITS, INSURANCE CERTIFICATES, AND FEES PAID TO OWNER PRIOR TO START OF PROJECT.
- MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT REQUIRED FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS.
- THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH THE STIPULATIONS OF LOCAL AUTHORITIES, SITE MANAGEMENT OR BOARD OF DIRECTORS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR ALL STRUCTURAL OR REMOVAL TASKS. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF THE WORK.
- THE CONTRACTOR SHALL LAY OUT HIS OWN WORK, AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES: PLUMBING, ELECTRICALS, ETC.
- PLUMBING WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN THROUGH THE DEPARTMENT OF BUILDINGS ALL REQUIRED PERMITS, INSPECTIONS AND REQUIRED SIGN OFFS.
- ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE FOR AND OBTAIN THROUGH THE BUREAU OF ELECTRICAL CONTROL ALL REQUIRED PERMITS, INSPECTIONS AND REQUIRED SIGN OFFS.
- THE CONTRACTOR SHALL DO ALL CUTTING, PATCHING, REPAIRING AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED ON THE DRAWINGS, AND ALL OTHER WORK THAT MAY BE REQUIRED TO COMPLETE THE JOB.

# SPRINKLER DEMOLITION NOTES

- THE CONTRACTOR SHALL INCLUDE IN HIS PRICE ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF SPRINKLER WORK AS DESCRIBED ON THE DRAWINGS AND IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE OWNER/ENGINEER.
- THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE TO FUNCTIONING SPRINKLER SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.
- DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.
- THE CONTRACTOR SHALL REMOVE ALL SPRINKLER SUPPORTS, ETC. FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING SPRINKLER PIPING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL AND PROVIDE BYPASS CONNECTIONS NECESSARY.
- THE CONTRACTOR SHALL NOTIFY THE OWNER, AT THE APPROPRIATE TIME, OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.
- ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE SPRINKLER CONTRACTOR, AS DIRECTED BY THE OWNER.
- ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVER TIME IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
- SHUT DOWN OF EXISTING SYSTEMS SHALL BE COORDINATED WITH THE BUILDING MANAGEMENT PRIOR TO INSTALLATION AND CONNECTION OF NEW WORK. WORK SHALL NOT PROCEED UNLESS WRITTEN APPROVAL IS RECEIVED AND PROPER SAFETY PRECAUTIONS HAVE BEEN PROVIDED.

# PURCHASE COLLEGE

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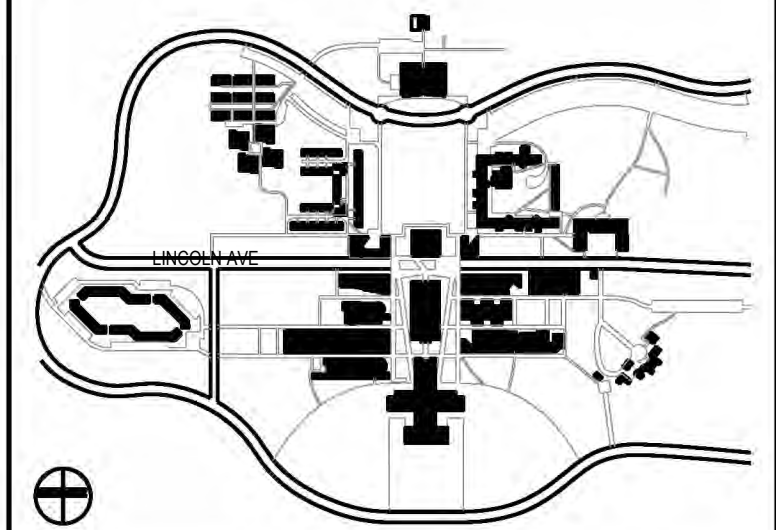
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#### KEY PLAN

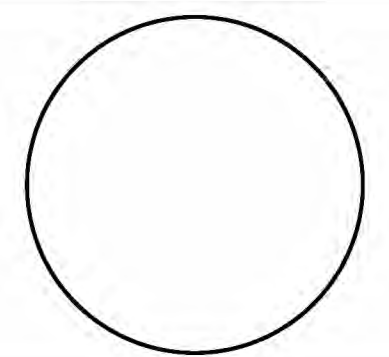


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# COORDINATION ISSUE

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01	09.27.2024	ISSUED FOR 90% REVIEW	

CONTRACT NUMBER SU 022626  
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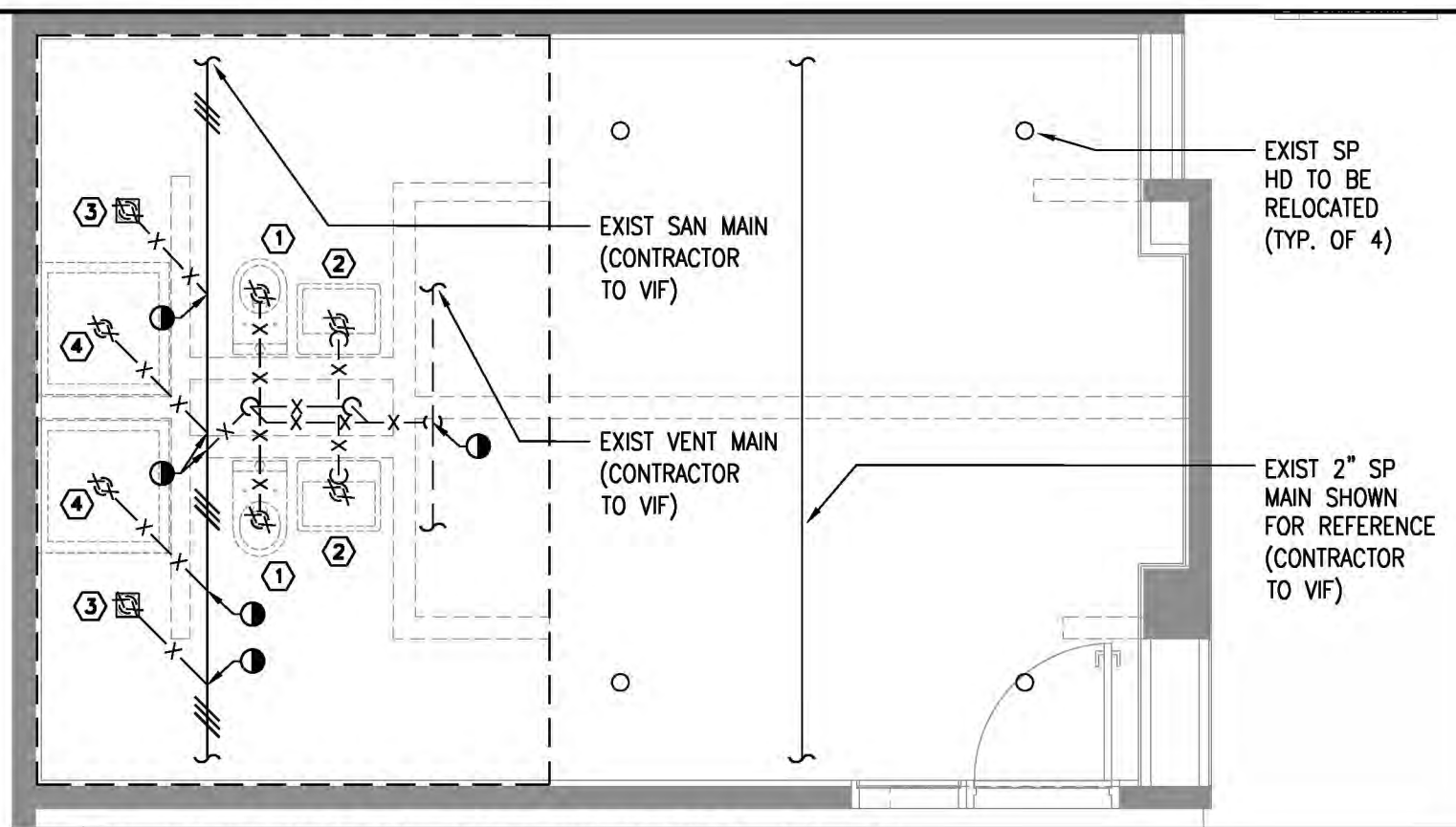
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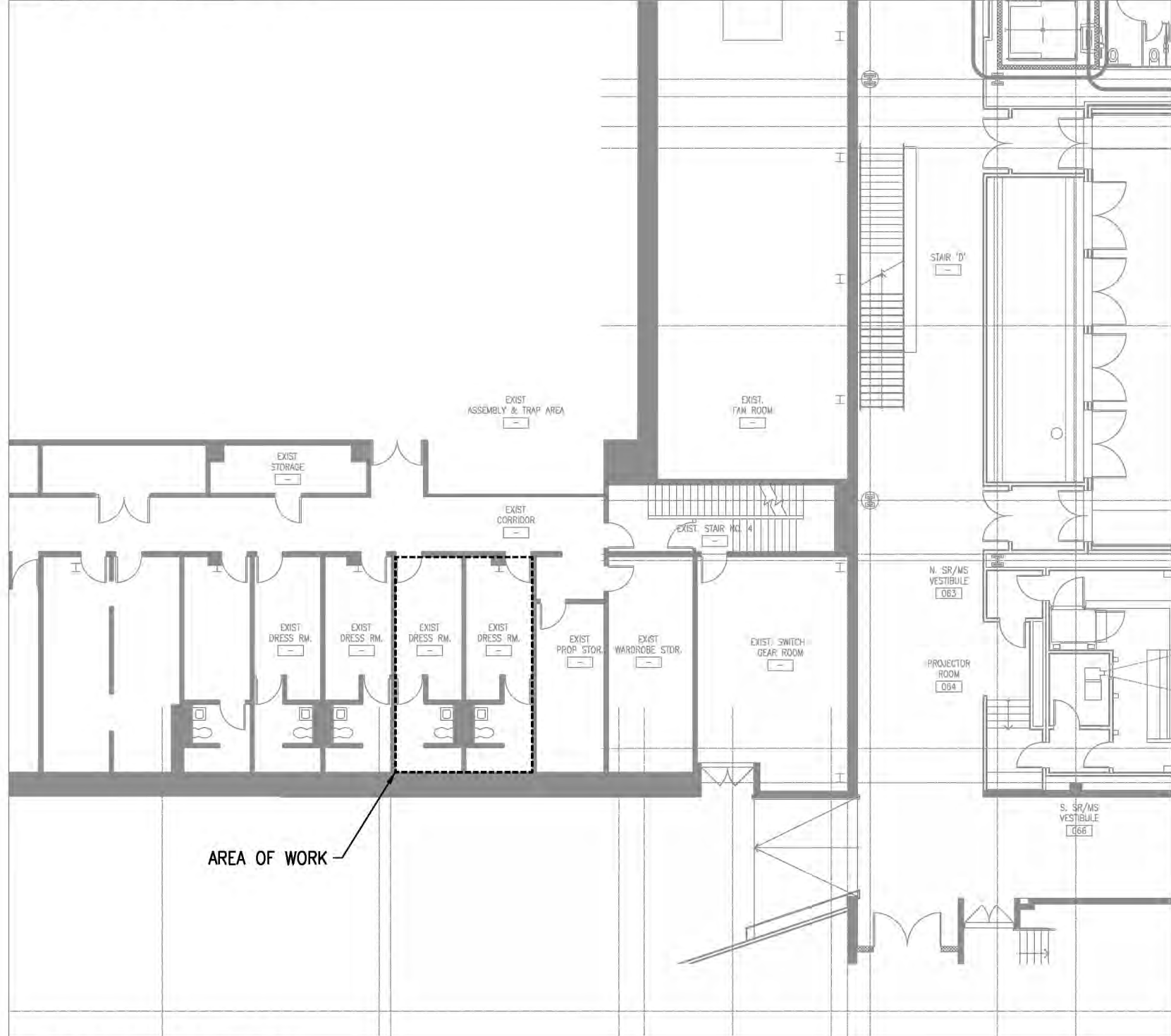
# SPRINKLER COVER SHEET

DRAWING NUMBER DRAWING 2 OF 6

# P-002.00

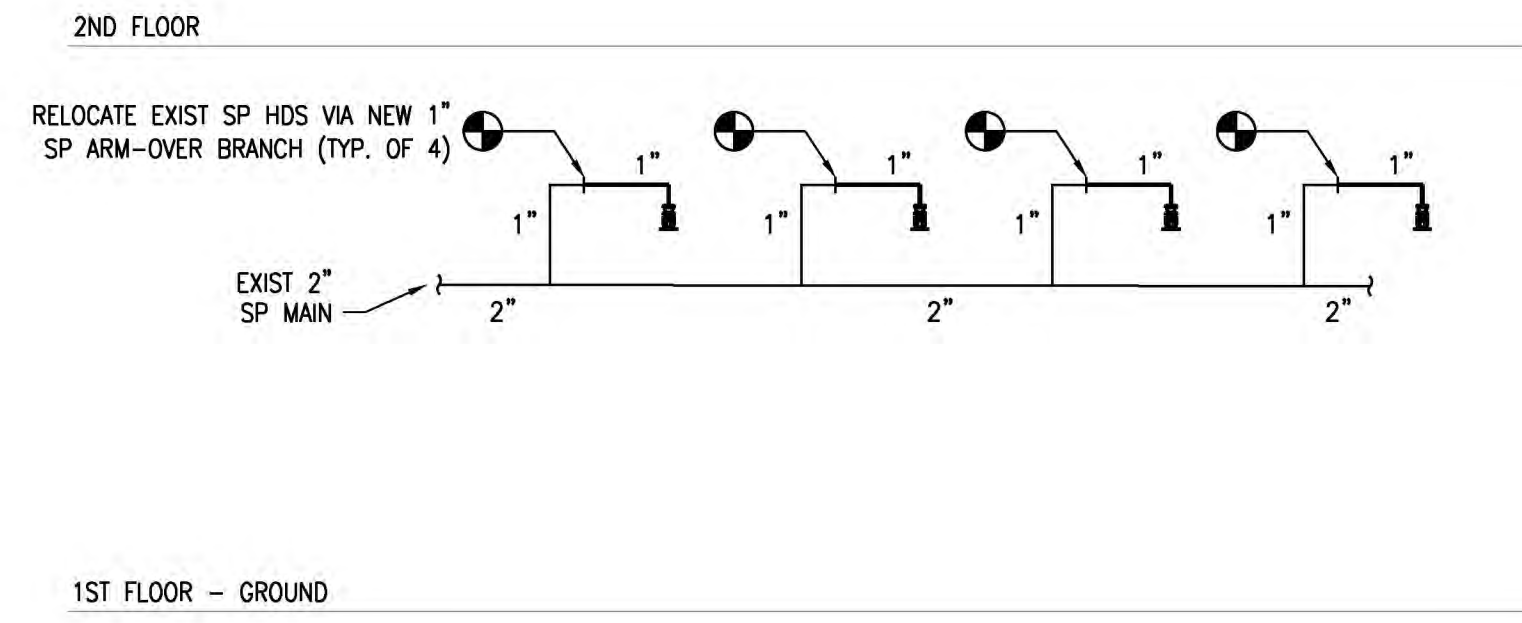
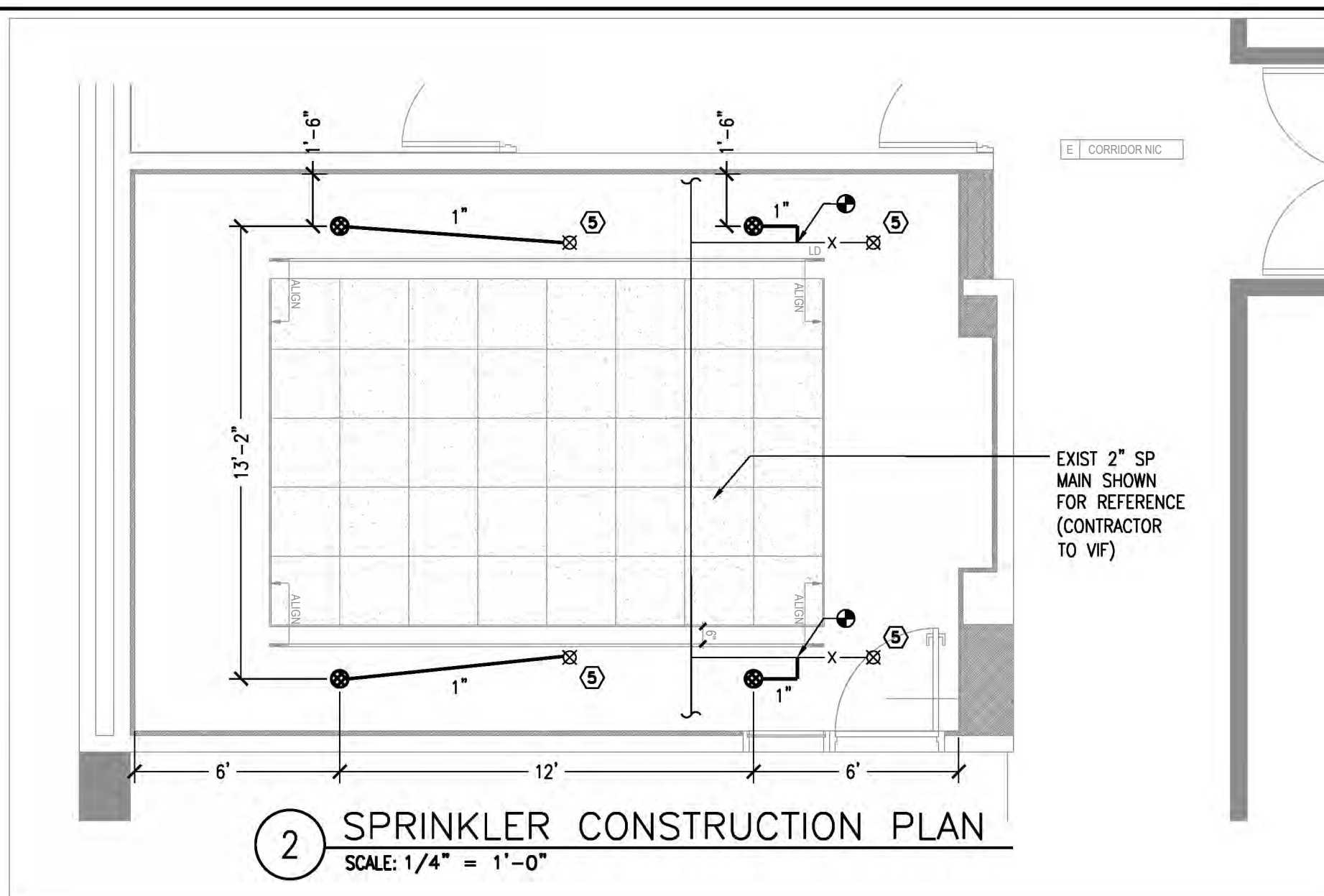


**1 PLUMBING DEMOLITION PLAN**  
SCALE: 1/4" = 1'-0"



**3 SITE PLAN**  
SCALE: 1/16" = 1'-0"

- PLUMBING KEYED NOTES:**
- REMOVE EXISTING WATER CLOSET. DEMO, CUTBACK, AND CAP EXISTING CW, SANITARY, AND VENT PIPING TO NEAREST MAIN.
  - REMOVE EXISTING LAVATORY. DEMO, CUTBACK, AND CAP EXISTING CW, HW, SANITARY, AND VENT PIPING TO NEAREST MAIN.
  - REMOVE EXISTING FLOOR DRAIN. DEMO, CUTBACK, AND CAP EXISTING SANITARY AND VENT PIPING TO NEAREST MAIN.
  - REMOVE EXISTING SHOWER. DEMO, CUTBACK, AND CAP EXISTING CW, HW, SANITARY AND VENT PIPING TO NEAREST MAIN.
- NOTE: CONTRACTOR TO VERIFY LOCATION OF NEAREST MAINS ON FIELD.
- SPRINKLER KEYED NOTES:**
- RELOCATE EXISTING SP HD TO NEW LOCATION SHOWN VIA NEW 1" ARM-OVER BRANCH.



**4 SPRINKLER RISER DIAGRAM**  
SCALE: N.T.S.

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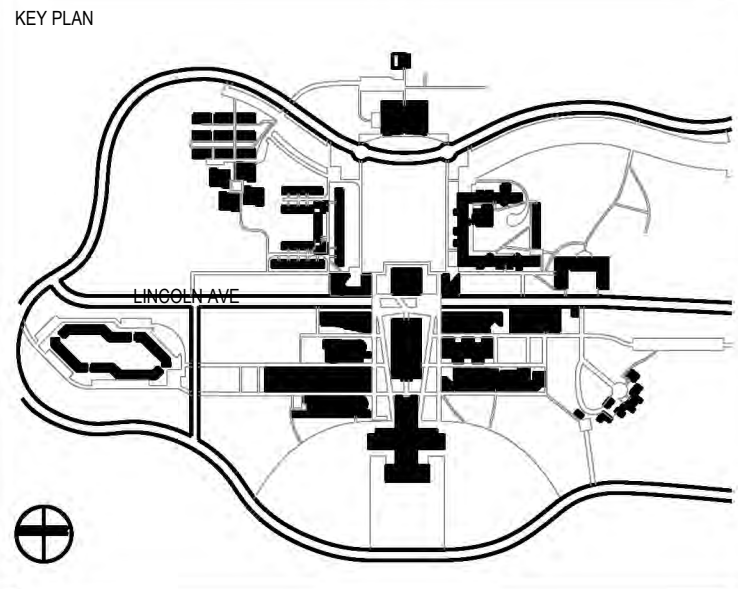
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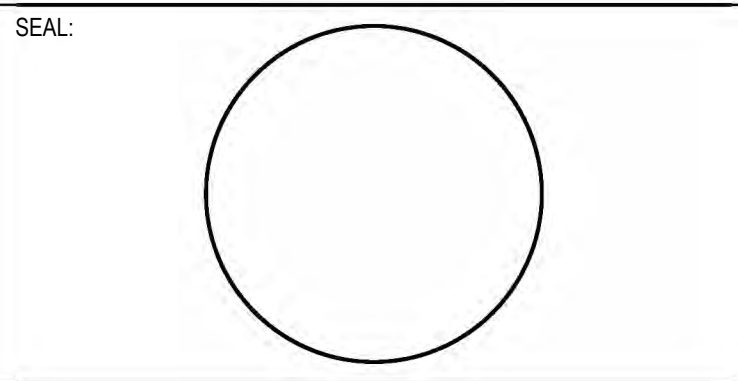
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CONTRACT NUMBER SU 022626  
CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

### DRAWING TITLE: PLUMBING AND SPRINKLER CONSTRUCTION PLANS

DRAWING NUMBER DRAWING 3 OF 6

# P-100.00

3/30/2026 6:11 PM SAVE DATE: 1/22/2026 4:42 PM PLOT DATE:

# PLUMBING SPECIFICATIONS

## 1. GENERAL:

- A. ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR WHO SHALL INFORM THE OWNER, PRIOR TO SUBMITTING A PROPOSAL, OF ANY WORK OR MATERIAL WHICH VIOLATES ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION SHALL BE CORRECTED BY THE CONTRACTOR.
- B. INVESTIGATE EACH SPACE THROUGH WHICH EQUIPMENT MUST BE MOVED. WHERE NECESSARY, EQUIPMENT SHALL BE SHIPPED FROM MANUFACTURER IN SECTIONS OF SIZE SUITABLE FOR MOVING THROUGH AVAILABLE RESTRICTIVE SPACES. ASCERTAIN FROM BUILDING OWNER AND TENANT AT WHAT TIMES OF DAY EQUIPMENT MAY BE MOVED THROUGH ALL AREAS.
- C. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. PIPE ROUTING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES OF RUNS. THE CONTRACTOR SHALL ALLOW IN HIS PRICE FOR ROUTING OF PIPE TO AVOID OBSTRUCTIONS. COORDINATION WITH THE EXISTING SERVICES, INCLUDING THOSE OF OTHER TRADES IS REQUIRED. MAINTAIN HEADROOM AND SPACE CONDITIONS.
- D. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
- E. REMOVAL AND RELOCATION OF CERTAIN EXISTING WORK WILL BE NECESSARY FOR THE PERFORMANCE OF THE GENERAL WORK. ALL EXISTING CONDITIONS CANNOT BE COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE AND INCLUDE ALL CHANGES IN MAKING UP THE WORK PROPOSAL.
- F. CONNECTIONS TO EXISTING WORK: INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES. TEMPORARY SHUTDOWNS OF EXISTING SERVICES SHALL BE PERFORMED AT NO ADDITIONAL CHARGES, AT TIMES NOT TO INTERFERE WITH NORMAL OPERATION OF EXISTING FACILITIES AND ONLY WITH WRITTEN CONSENT OF OWNER. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES AS REQUIRED WITH NECESSARY TEMPORARY CONNECTIONS BETWEEN NEW AND EXISTING WORK. CONNECT NEW WORK TO EXISTING WORK IN NEAT AND ACCEPTABLE MANNER. RESTORE EXISTING DISTURBED WORK TO ORIGINAL CONDITION.
- G. DISCONNECT, REMOVE AND/OR RELOCATE EXISTING MATERIAL, EQUIPMENT AND OTHER WORK AS NOTED OR REQUIRED FOR PROPER INSTALLATION OF NEW WORK.
- H. THE CONTRACTOR SHALL KEEP ALL EQUIPMENT AND MATERIALS, AND ALL PARTS OF THE BUILDING, EXTERIOR SPACES AND ADJACENT STREETS, SIDEWALKS AND PAVEMENTS, FREE FROM MATERIAL AND DEBRIS RESULTING FROM THE EXECUTION OF THIS WORK. EXCESS MATERIALS WILL NOT BE PERMITTED TO ACCUMULATE EITHER ON THE INTERIOR OR THE EXTERIOR.
- I. THE LOCATIONS OF THE EXISTING SERVICES ARE BELIEVED TO BE AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATION OF THESE SERVICES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO COMMENCING ANY WORK.
- J. ALL PRESENT MATERIAL, EQUIPMENT AND CONSTRUCTION DEBRIS TO BE REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR WITH THE EXCEPTION OF SPECIFIC EQUIPMENT AND APPARATUS REQUESTED BY THE BUILDING REPRESENTATIVE, ARCHITECT OR AS NOTED TO BE RELOCATED ON THE DRAWINGS. REMOVED EQUIPMENT SHALL BE PROPERLY DISPOSED OF BY THIS CONTRACTOR.
- K. THE WORK IN THE BUILDING SHALL BE DONE WHEN AND AS DIRECTED, AND IN A MANNER SATISFACTORY TO THE OWNER. THE WORK SHALL BE PERFORMED SO AS TO CAUSE THE LEAST POSSIBLE INCONVENIENCE AND DISTURBANCE TO THE PRESENT OCCUPANTS.
- L. THE CONTRACTOR'S PROPOSAL FOR ALL WORK SHALL BE PREDICATED ON THE PERFORMANCE OF THE WORK DURING REGULAR WORKING HOURS. WHEN SO DIRECTED, HOWEVER, THE CONTRACTOR SHALL INSTALL WORK IN OVERTIME AND THE ADDITIONAL COST TO BE CHARGED THEREFORE SHALL BE ONLY THE "PREMIUM" PORTION OF THE WAGES PAID.
- M. UNLESS OTHERWISE SPECIFICALLY SPECIFIED, INCLUDE ALL CUTTING AND ROUGH PATCHING OF EXISTING FLOORS, WALLS, PARTITIONS AND OTHER MATERIALS IN THE EXISTING BUILDING.
- N. ALL MATERIAL AND EQUIPMENT TO BE NEW UNLESS OTHERWISE NOTED AND SHALL BE IN ACCORDANCE WITH A/E SPECIFICATIONS.
- O. SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF THE EXISTING BUILDING, EQUIPMENT, ETC., WHICH AFFECT THIS WORK, AND THE ACCESS TO SUCH SPACES, HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK.
- P. INSURANCE: IN ACCORDANCE WITH BUILDING REQUIREMENTS AND SHALL INCLUDE A HOLD HARMLESS CLAUSE FOR ARCHITECT AND ENGINEER.
- Q. THE FINAL ACCEPTANCE WILL BE MADE AFTER THE CONTRACTOR HAS ADJUSTED HIS EQUIPMENT, TESTED THE VARIOUS SYSTEMS, DEMONSTRATED THAT IT FULFILLS THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS AND HAS FURNISHED ALL THE REQUIRED CERTIFICATES OF INSPECTION AND APPROVAL.

## 2. SCOPE OF WORK:

- A. SCOPE OF WORK SHALL CONSIST OF PROVIDING LABOR, MATERIALS, EQUIPMENT, SERVICES & FEES NECESSARY FOR COMPLETE AND SAFE INSTALLATION IN CONFORMITY WITH THE NYS PLUMBING CODE AND ALL OTHER APPLICABLE INDUSTRY, NATIONAL AND LOCAL CODES AND AUTHORITIES HAVING JURISDICTION, AS INDICATED ON DRAWINGS AND HEREIN SPECIFIED.
- B. THE ARCHITECTURAL DRAWINGS, PLANS, DETAILS, SPECIFICATIONS AND SPECIFICATION ADDENDA ARE MADE PART OF THIS CONTRACT AND SHALL APPLY TO ALL WORK UNDER THE CONTRACT UNLESS OTHERWISE AMENDED, MODIFIED, SUPPLEMENTED OR SPECIFIED HEREIN.
- C. THE CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE TO REPLACE OR REPAIR PROMPTLY AND ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED FOR ANY WORKMANSHIP AND EQUIPMENT IN WHICH DEFECTS DEVELOP WITHIN ONE YEAR FROM THE DATE OF FINAL CERTIFICATE FOR PAYMENT AND/OR FROM DATE OF ACTUAL USE OF EQUIPMENT OR BENEFICIAL OCCUPANCY OF SPACES BY OWNER INCLUDED UNDER THE VARIOUS PARTS OF THE WORK, WHICHEVER DATE IS EARLIER. THIS WORK SHALL BE DONE AS DIRECTED BY THE OWNER. THIS GUARANTEE SHALL ALSO PROVIDE THAT WHERE DEFECTS OCCUR, THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ALL

EXPENSES INCURRED IN REPAIRING AND REPLACING WORK OF OTHER TRADES AFFECTED BY DEFECTS, REPAIRS OR REPLACEMENTS IN EQUIPMENT SUPPLIED BY THE CONTRACTOR.

- D. THE CONTRACTOR SHALL GIVE NECESSARY NOTICE, FILE DRAWINGS AND SPECIFICATIONS WITH THE DEPARTMENT HAVING JURISDICTION, OBTAIN PERMITS OR LICENSES NECESSARY TO CARRY OUT THIS WORK AND PAY ALL FEES THEREFORE. THE CONTRACTOR SHALL ARRANGE FOR INSPECTION AND TESTS OF ANY OR ALL PARTS OF THE WORK IF SO REQUIRED BY AUTHORITIES AND PAY ALL CHARGES FOR SAME. THE CONTRACTOR SHALL PAY ALL COSTS FOR, AND FURNISH TO THE OWNER BEFORE FINAL BILLING, ALL CERTIFICATES NECESSARY AS EVIDENCE THAT THE WORK INSTALLED CONFORMS WITH ALL REGULATIONS WHERE THEY APPLY TO THIS WORK.

## 3. SHOP DRAWINGS:

- A. PRIOR TO THE INSTALLATION OF ANY WORK AND PROCUREMENT OF EQUIPMENT PROVIDE COMPLETE SET OF COORDINATED SHOP DRAWINGS OF ALL NEW AND EXISTING EQUIPMENT, INDICATING CAPACITY DIMENSIONS AND SEQUENCE OF OPERATION FOR WRITTEN APPROVAL BY THE ARCHITECT AND ENGINEER.
- B. INDICATE ON EACH SHOP DRAWING SUBMITTED:
  - a. PROJECT NAME AND LOCATION
  - b. NAME OF ARCHITECT AND ENGINEER
  - c. ITEM IDENTIFICATION
  - d. APPROVAL STAMP OF PRIME CONTRACTOR
- C. SUBMISSIONS:
  - a. CONTRACTOR SHALL SUBMIT A PDF OR TIFF FILE TO ARCHITECT THROUGH PREVIOUSLY DISCUSSED AND APPROVED METHOD (EMAIL, SUBMITTAL EXCHANGE PROGRAM, ETC). IF NO ARCHITECT, SUBMIT DIRECTLY TO ENGINEER. SUBMITTAL WILL THEN BE FORWARDED TO RELEVANT PARTIES FOR REVIEW.
  - b. UNLESS OTHERWISE APPROVED, PROVIDE ALL PLUMBING EQUIPMENT SUBMITTALS AND SHOP DRAWINGS AT ONE TIME.
  - c. PROVIDE A SEPARATE TRANSMITTAL FOR EACH SUBMITTAL ITEM. TRANSMITTALS SHALL INDICATE PRODUCT BY SPECIFICATION SECTION NAME AND NUMBER. SEPARATE ALL SUBMITTALS INTO APPROPRIATE SPECIFICATION SECTION NUMBER. DO NOT COMBINE SPECIFICATION SECTIONS
  - d. SUBMIT ONLY PAGES WHICH ARE PERTINENT TO THE PROJECT. ALL OPTIONS WHICH ARE INDICATED ON THE PRODUCT DATA SHALL BECOME PART OF THE CONTRACT AND SHALL BE REQUIRED WHETHER SPECIFIED OR NOT.
  - e. MARK EACH COPY OF STANDARD PRINTED DATA TO IDENTIFY PERTINENT PRODUCTS, REFERENCED TO SPECIFICATION SECTION AND ARTICLE NUMBER
  - f. SHOW REFERENCE STANDARDS, PERFORMANCE CHARACTERISTICS AND CAPACITIES; WIRING AND PIPING DIAGRAMS AND CONTROLS; COMPONENT PARTS; FINISHES; DIMENSIONS AND REQUIRED CLEARANCES.
  - g. MODIFY MANUFACTURER'S STANDARD SCHEMATIC DRAWINGS AND DIAGRAMS TO SUPPLEMENT STANDARD INFORMATION AND TO PROVIDE INFORMATION SPECIFICALLY APPLICABLE TO THE WORK. DELETE INFORMATION NOT APPLICABLE.
  - h. THE ENGINEER WILL REVIEW THE ORIGINAL SUBMITTAL AND ONE RESUBMITTAL FOR THE SAME PRODUCT. ADDITIONAL RESUBMITTALS WILL BE REVIEW ON A HOURLY RATE, PAYABLE BY THE CONTRACTOR.
  - i. PARTIAL SUBMITTALS OR SUBMITTALS NOT PROPERLY FORMATTED AS INDICATED ABOVE, ARE SUBJECT TO RETURN WITHOUT REVIEW FOR THE CONTRACTOR TO CORRECT.

## 4. GENERAL PROVISIONS FOR PLUMBING WORK:

- A. SPECIFICATIONS ARE OF SIMPLIFIED FORM AND INCLUDE INCOMPLETE SENTENCES. WORDS OR PHRASES SUCH AS "THE CONTRACTOR SHALL", "SHALL BE", "FURNISH", "PROVIDE", "A", "THE", AND "ALL" HAVE BEEN OMITTED FOR BREVITY.
- B. QUALITY ASSURANCE:
  - a. QUALITY AND GAUGE OF MATERIALS:
    - NEW, BEST OF THEIR RESPECTIVE KINDS, AND FREE FROM DEFECTS. MATERIALS AND EQUIPMENT OF SIMILAR APPLICATION SHALL BE OF SAME MANUFACTURER, EXCEPT AS NOTED.
  - b. GUARANTEE:
    - ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF WORK.
- C. BRUSH AND CLEAN WORK PRIOR TO CONCEALING, PAINTING AND ACCEPTANCE. PAINTED EXPOSED WORK THAT IS SOILED OR DAMAGED. CLEAN AND REPAIR TO MATCH ADJOINING WORK BEFORE FINAL ACCEPTANCE. REMOVE DEBRIS FROM INSIDE AND OUTSIDE OF MATERIAL AND EQUIPMENT.
- D. FINAL LOCATIONS AND MOUNTING ORIENTATIONS OF ALL PLUMBING FIXTURES SHALL BE VERIFIED BY ARCHITECT.

# PURCHASE COLLEGE

## STATE UNIVERSITY OF NEW YORK PERFORMING ARTS CENTER

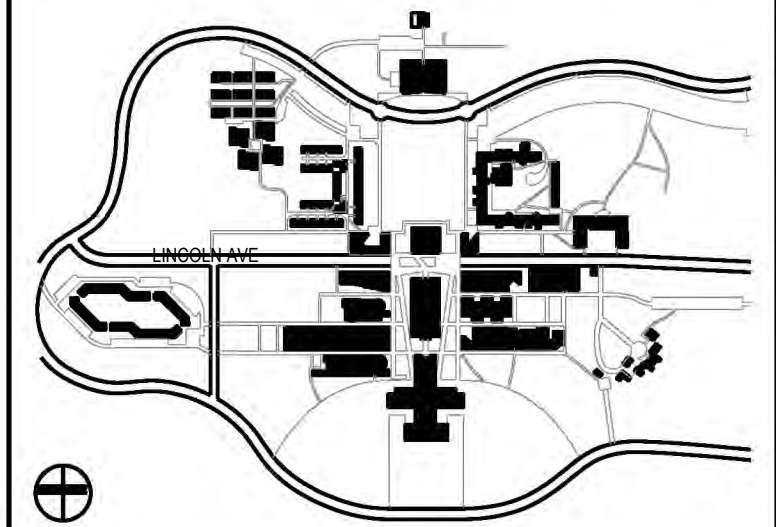
### ADMISSIONS CONFERENCE ROOM

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MEP ENGINEER **COLLADO ENGINEERING**  
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 CONTACT GEORGE ASPRAS  
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#### KEY PLAN

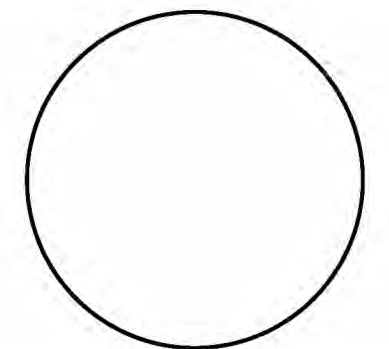


CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS & DIMENSIONS AND BE RESPONSIBLE FOR FIELD FIT AND QUANTITY OF WORK. NO ALLOWANCES SHALL BE MADE ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.

BUILDING DEPARTMENT NOTE:  
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## COORDINATION ISSUE

SEAL:



NO	DATE	DESCRIPTION	ISSUES
02	01.22.2026	ISSUED FOR BID	
01	09.27.2024	ISSUED FOR 90% REVIEW	

CONTRACT NUMBER SU 022626  
 CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

## PLUMBING SPECIFICATIONS

DRAWING NUMBER DRAWING 4 OF 6

# P-200.00

# FIRE PROTECTION SPECIFICATIONS

## 1. GENERAL:

- A. THE "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION", AIA DOCUMENT A201, LATEST EDITION, AND THESE SPECIFICATIONS AS APPLICABLE ARE PART OF THIS CONTRACT.
- B. ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR WHO SHALL INFORM THE OWNER, PRIOR TO SUBMITTING A PROPOSAL, OR ANY WORK OR MATERIAL WHICH VIOLATES ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION SHALL BE CORRECTED BY THE CONTRACTOR.
- C. INVESTIGATE EACH SPACE THROUGH WHICH EQUIPMENT MUST BE MOVED. WHERE NECESSARY, EQUIPMENT SHALL BE SHIPPED FROM MANUFACTURER IN SECTIONS OF SIZE SUITABLE FOR MOVING THROUGH AVAILABLE RESTRICTIVE SPACES. ASCERTAIN FROM BUILDING OWNER AND TENANT AT WHAT TIMES OF DAY EQUIPMENT MAY BE MOVED THROUGH ALL AREAS.
- D. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. PIPE ROUTING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES OR RUNS. THE CONTRACTOR SHALL ALLOW IN HIS PRICE FOR ROUTING OF PIPE TO AVOID OBSTRUCTIONS. COORDINATION WITH THE EXISTING SERVICES, INCLUDING THOSE OF OTHER TRADES IS REQUIRED. MAINTAIN HEADROOM AND SPACE CONDITIONS.
- E. INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
- F. REMOVAL AND RELOCATION OF CERTAIN EXISTING WORK WILL BE NECESSARY FOR THE PERFORMANCE OF THE GENERAL WORK. ALL EXISTING CONDITIONS CANNOT BE COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE AND INCLUDE ALL CHANGES IN MAKING UP THE WORK PROPOSAL.
- G. CONNECTIONS TO EXISTING WORK: INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES. TEMPORARY SHUTDOWNS OF EXISTING SERVICES SHALL BE PERFORMED AT NO ADDITIONAL CHARGES, AT TIMES NOT TO INTERFERE WITH NORMAL OPERATION OF EXISTING FACILITIES AND ONLY WITH WRITTEN CONSENT OF OWNER. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES AS REQUIRED WITH NECESSARY TEMPORARY CONNECTIONS BETWEEN NEW AND EXISTING WORK. CONNECT NEW WORK TO EXISTING WORK IN NEAT AND ACCEPTABLE MANNER. RESTORE EXISTING DISTURBED WORK TO ORIGINAL CONDITION.
- H. DISCONNECT, REMOVE AND/OR RELOCATE EXISTING MATERIAL AND OTHER WORK AS NOTED OR REQUIRED FOR PROPER INSTALLATION OF NEW WORK.
- I. THE CONTRACTOR SHALL KEEP ALL EQUIPMENT AND MATERIALS, AND ALL PARTS OF THE BUILDING, EXTERIOR SPACES AND ADJACENT STREETS, SIDEWALKS AND PAVEMENTS, FREE FROM MATERIAL AND DEBRIS RESULTING FROM THE EXECUTION OF THIS WORK. EXCESS MATERIALS WILL NOT BE PERMITTED TO ACCUMULATE EITHER ON THE INTERIOR OR THE EXTERIOR.
- J. THE LOCATIONS OF THE EXISTING SERVICES ARE BELIEVED TO BE AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATION OF THESE SERVICES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO COMMENCING ANY WORK.
- K. SEAL OPENINGS THROUGH PARTITIONS, WALLS AND FLOORS WITH A U.L.-LISTED FIRESTOPPING ASSEMBLY MATCHED TO THE RATING OF THE PENETRATED ELEMENT.
- L. PROVIDE ALL NECESSARY FLASHING AND COUNTERFLASHING TO MAINTAIN THE WATERPROOFING INTEGRITY OF THIS BUILDING AS REQUIRED BY THE INSTALLATION OR REMOVAL OF PIPING AND EQUIPMENT. PROVIDE EQUIPMENT CURBS AS REQUIRED.
- M. ALL PRESENT MATERIAL, EQUIPMENT AND CONSTRUCTION DEBRIS TO BE REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR WITH THE EXCEPTION OF SPECIFIC EQUIPMENT AND APPARATUS REQUESTED BY THE BUILDING REPRESENTATIVE, ARCHITECT OR AS NOTED TO BE RELOCATED ON THE DRAWINGS. REMOVED EQUIPMENT SHALL BE PROPERLY DISPOSED OF BY THIS CONTRACTOR, OR AS DIRECTED BY THE OWNER.
- N. MATERIALS AND WORKMANSHIP, UNLESS OTHERWISE NOTED, SHALL BE IN ACCORDANCE WITH BUILDING STANDARDS.
- O. THE WORK IN THE BUILDING SHALL BE DONE WHEN AND AS DIRECTED, AND IN A MANNER SATISFACTORY TO THE OWNER. THE WORK SHALL BE PERFORMED SO AS TO CAUSE THE LEAST POSSIBLE INCONVENIENCE AND DISTURBANCE TO THE PRESENT OCCUPANTS.
- P. THE CONTRACTOR'S PROPOSAL FOR ALL WORK SHALL BE PREDICATED ON THE PERFORMANCE OF THE WORK DURING REGULAR WORKING HOURS. WHEN SO DIRECTED, HOWEVER, THE CONTRACTOR SHALL INSTALL WORK IN OVERTIME AND THE ADDITIONAL COST TO BE CHARGED THEREFORE SHALL BE ONLY THE "PREMIUM" PORTION OF THE WAGES PAID.
- Q. UNLESS OTHERWISE SPECIFICALLY SPECIFIED, INCLUDE ALL CUTTING AND PATCHING OF EXISTING FLOORS, WALLS, PARTITIONS AND OTHER

MATERIALS IN THE EXISTING BUILDING. THE CONTRACTOR SHALL RESTORE THESE AREAS TO ORIGINAL CONDITION.

- R. ALL MATERIAL AND EQUIPMENT TO BE NEW UNLESS OTHERWISE NOTED AND SHALL BE IN ACCORDANCE WITH BUILDING STANDARDS.

- 1. ALL MATERIAL AND EQUIPMENT ON SITE SHALL BE PROPERLY STORED SUCH THAT IT IS PROTECTED FROM DAMAGE AND EXPOSURE TO OUTSIDE ELEMENTS.

- S. SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF THE EXISTING BUILDING, EQUIPMENT, ETC., WHICH AFFECT THIS WORK, AND THE ACCESS TO SUCH SPACES, HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. THE CONTRACTOR IS RESPONSIBLE TO INDICATE ANY DISCREPANCIES BETWEEN THE CONTRACT DRAWINGS AND ACTUAL FIELD CONDITIONS PRIOR TO SUBMITTAL OF BID. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE. LATER CLAIMS SHALL NOT BE MADE FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN DURING SUCH AN EXAMINATION. THE ON-SITE INSPECTION SHALL VERIFY EXISTING PIPE SIZES, CLEARANCES, ETC. AND CONDITIONS.

- T. INSURANCE: PROVIDE IN ACCORDANCE WITH BUILDING REQUIREMENTS AND POLICY SHALL INCLUDE A HOLD HARMLESS CLAUSE FOR OWNER AND ENGINEER.

- U. THE FINAL ACCEPTANCE WILL BE MADE AFTER THE CONTRACTOR HAS ADJUSTED HIS EQUIPMENT, TESTED THE VARIOUS SYSTEMS, DEMONSTRATED THAT IT FULFILLS THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS AND HAS FURNISHED ALL THE REQUIRED CERTIFICATES OF INSPECTION AND APPROVAL.

- V. CONTRACTOR IS TO PROVIDE FOR FIRE WATCH DURING SYSTEM SHUT DOWN AS PER SECTION 901.7 OF THE 2014 NYC FIRE CODE AND FOLLOW THE PROVISIONS OF BUILDING BULLETIN 2020-012.

## 2. SCOPE OF WORK:

- A. SCOPE OF WORK SHALL CONSIST OF PROVIDING LABOR, MATERIALS, EQUIPMENT, SERVICES AND FEES NECESSARY FOR COMPLETE AND SAFE INSTALLATION IN CONFORMITY WITH THE NEW YORK CITY BUILDING CODE AND ALL OTHER APPLICABLE INDUSTRY, NATIONAL AND LOCAL CODES AND AUTHORITIES HAVING JURISDICTION, AS INDICATED ON DRAWINGS AND HEREIN SPECIFIED.
- B. INSTALL NEW SPRINKLER SYSTEM IN 23RD FLOOR, 9TH FLOOR, LOBBY, BASEMENT & SUB-BASEMENT AREAS
- C. THE CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE TO REPLACE OR REPAIR PROMPTLY AND ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED FOR ANY WORKMANSHIP AND EQUIPMENT IN WHICH DEFECTS DEVELOP WITHIN ONE YEAR FROM THE DATE OF FINAL CERTIFICATE FOR PAYMENT AND/OR FROM DATE OF ACTUAL USE OF EQUIPMENT OR BENEFICIAL OCCUPANCY OF SPACES BY OWNER INCLUDED UNDER THE VARIOUS PARTS OF THE WORK, WHICHEVER DATE IS EARLIER. THIS WORK SHALL BE DONE AS DIRECTED BY THE OWNER. THIS GUARANTEE SHALL ALSO PROVIDE THAT WHERE DEFECTS OCCUR, THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED IN REPAIRING AND REPLACING WORK OF OTHER TRADES AFFECTED BY DEFECTS, REPAIRS OF REPLACEMENTS IN EQUIPMENT SUPPLIED BY THE CONTRACTOR.
- D. THE CONTRACTOR SHALL GIVE NECESSARY NOTICE, FILE DRAWINGS AND SPECIFICATIONS WITH THE DEPARTMENT HAVING JURISDICTION, OBTAIN PERMITS OR LICENSES NECESSARY TO CARRY OUT THIS WORK AND PAY ALL FEES THEREFORE. THE CONTRACTOR SHALL ARRANGE FOR INSPECTION AND TESTS OF ANY OR ALL PARTS OF THE WORK IF SO REQUIRED BY AUTHORITIES AND PAY ALL CHARGES FOR SAME. THE CONTRACTOR SHALL PAY ALL COSTS FOR, AND FURNISH TO THE OWNER BEFORE FINAL BILLING, ALL CERTIFICATES NECESSARY AS EVIDENCE THAT THE WORK INSTALLED CONFORMS WITH ALL REGULATIONS WHERE THEY APPLY TO THIS WORK. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY AND REQUIRED SIGN-OFFS AND APPROVALS FOR THE WORK INSTALLED.

## 3. SHOP DRAWINGS:

- A. PRIOR TO THE INSTALLATION OF ANY WORK AND PROCUREMENT OF EQUIPMENT PROVIDE COMPLETE SET OF COORDINATED SHOP DRAWINGS OF ALL NEW AND EXISTING EQUIPMENT, INDICATING CAPACITY DIMENSIONS AND SEQUENCE OF OPERATION FOR WRITTEN APPROVAL BY THE ARCHITECT AND ENGINEER.
- B. INDICATE ON EACH SHOP DRAWING SUBMITTED:
  - a. PROJECT NAME AND LOCATION
  - b. NAME OF ARCHITECT AND ENGINEER
  - c. ITEM IDENTIFICATION
  - d. APPROVAL STAMP OF PRIME CONTRACTOR
- C. SUBMISSIONS:
  - a. CONTRACTOR SHALL SUBMIT A PDF OR TIFF FILE TO ARCHITECT THROUGH PREVIOUSLY DISCUSSED AND APPROVED METHOD (EMAIL, SUBMITTAL EXCHANGE PROGRAM, ETC). SUBMITTAL WILL THEN BE FORWARDED TO RELEVANT PARTIES FOR REVIEW.
  - b. UNLESS OTHERWISE DISCUSSED & AGREED, PROVIDE ALL

EQUIPMENT SUBMITTALS AND SHOP DRAWINGS AT ONE TIME, THE SAME TIME; AT LEAST, THREE WEEKS BEFORE A RESPONSE IS REQUIRED.

- c. PROVIDE A SEPARATE TRANSMITTAL FOR EACH SUBMITTAL ITEM. TRANSMITTALS SHALL INDICATE PRODUCT BY SPECIFICATION SECTION NAME AND NUMBER. SEPARATE ALL SUBMITTALS INTO APPROPRIATE SPECIFICATION SECTION NUMBER. DO NOT COMBINE SPECIFICATION SECTIONS

- d. DO NOT SUBMIT ENTIRE MANUFACTURES CATALOG; IT WILL NOT BE REVIEWED. SUBMIT ONLY PAGES WHICH ARE PERTINENT TO THE PROJECT. ALL OPTIONS WHICH ARE INDICATED ON THE PRODUCT DATA SHALL BECOME PART OF THE CONTRACT AND SHALL BE REQUIRED WHETHER SPECIFIED ARE NOT.

- e. MARK EACH COPY OF STANDARD PRINTED DATA TO IDENTIFY PERTINENT PRODUCTS, REFERENCED TO SPECIFICATION SECTION AND ARTICLE NUMBER

- f. SHOW REFERENCE STANDARDS, PERFORMANCE CHARACTERISTICS AND CAPACITIES; WIRING AND PIPING DIAGRAMS AND CONTROLS; COMPONENT PARTS; FINISHES; DIMENSIONS AND REQUIRED CLEARANCES.

- g. MODIFY MANUFACTURER'S STANDARD SCHEMATIC DRAWINGS AND DIAGRAMS TO SUPPLEMENT STANDARD INFORMATION AND TO PROVIDE INFORMATION SPECIFICALLY APPLICABLE TO THE WORK. DELETE INFORMATION NOT APPLICABLE.

- h. THE ENGINEER WILL REVIEW THE ORIGINAL SUBMITTAL AND ONE RESUBMITTAL FOR THE SAME PRODUCT. ADDITIONAL RESUBMITTALS WILL BE REVIEW ON A HOURLY RATE, PAYABLE BY THE CONTRACTOR.

- i. PARTIAL SUBMITTALS OR SUBMITTALS NOT PROPERLY FORMATTED AS INDICATED ABOVE, ARE SUBJECT TO RETURN WITHOUT REVIEW FOR THE CONTRACTOR TO CORRECT.

## 4. GENERAL PROVISIONS FOR FIRE PROTECTION WORK:

- A. SPECIFICATIONS ARE OF SIMPLIFIED FORM AND INCLUDE INCOMPLETE SENTENCES. WORDS OR PHRASES SUCH AS "THE CONTRACTOR SHALL", "SHALL BE", "FURNISH", "PROVIDE", "A", "THE", AND "ALL" HAVE BEEN OMITTED FOR BREVITY.
- B. DEFINITIONS:
  - 1. "PROVIDE": TO SUPPLY, INSTALL AND CONNECT UP COMPLETE AND READY FOR SAFE AND REGULAR OPERATION THE PARTICULAR WORK REFERRED TO UNLESS SPECIFICALLY OTHERWISE NOTED.
  - 2. "INSTALL": TO ERECT, MOUNT AND CONNECT COMPLETE WITH RELATED ACCESSORIES.
  - 3. "FURNISH" OR "SUPPLY": TO PURCHASE, PROCURE, ACQUIRE AND DELIVER COMPLETE WITH RELATED ACCESSORIES.
  - 4. "WORK": LABOR, MATERIALS, EQUIPMENT, APPARATUS, CONTROLS, ACCESSORIES AND OTHER ITEMS REQUIRED FOR PROPER AND COMPLETE INSTALLATION.
  - 5. "CONCEALED": EMBEDDED IN MASONRY OR OTHER CONSTRUCTION, INSTALLED IN FURRED SPACES, WITHIN DOUBLE PARTITIONS OR HUNG CEILINGS, IN TRENCHES, IN CRAWL SPACES, OR IN ENCLOSURES.
  - 6. "EXPOSED": NOT INSTALLED UNDERGROUND OR "CONCEALED" AS DEFINED ABOVE.
  - 7. "SIMILAR" OR "EQUAL": EQUAL IN MATERIALS, WEIGHT, SIZE, DESIGN AND EFFICIENCY OF SPECIFIED PRODUCT.
- C. QUALITY ASSURANCE:
  - 1. QUALITY AND GAUGE OF MATERIALS: NEW, BEST OF THEIR RESPECTIVE KINDS, FREE FROM DEFECTS AND IF APPLICABLE LISTED BY UNDERWRITERS LABORATORIES, INC., AND FACTORY MUTUAL INC. OR BEARING THEIR LABEL. MATERIALS AND EQUIPMENT OF SIMILAR APPLICATION SHALL BE OF SAME MANUFACTURER, EXCEPT AS NOTED.
  - 2. GUARANTEE: ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF WORK.
  - 3. ANY PRODUCTS BEING INSTALLED IN NEW YORK CITY SHALL BE APPROVED BY THE BOARD OF STANDARDS AND APPEALS.
- A. BRUSH AND CLEAN WORK PRIOR TO CONCEALING, PAINTING AND ACCEPTANCE. PAINTED EXPOSED WORK THAT IS SOILED OR DAMAGED. CLEAN AND REPAIR TO MATCH ADJOINING WORK BEFORE FINAL ACCEPTANCE. REMOVE DEBRIS FROM INSIDE AND OUTSIDE OF MATERIAL AND EQUIPMENT.
- B. FINAL LOCATIONS AND MOUNTING ORIENTATIONS OF ALL VISIBLE FIRE PROTECTION EQUIPMENT BE VERIFIED BY ARCHITECT.
- C. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.
- D. SPRINKLER SYSTEM DESIGN CRITERIA:
  - 1. LIGHT HAZARD OCCUPANCIES: 225 SQ FT/HEAD MAXIMUM COVERAGE; 0.10 GPM/SQ FT DENSITY OVER THE MOST REMOTE 1,500 SQ FT OF THE SYSTEM.

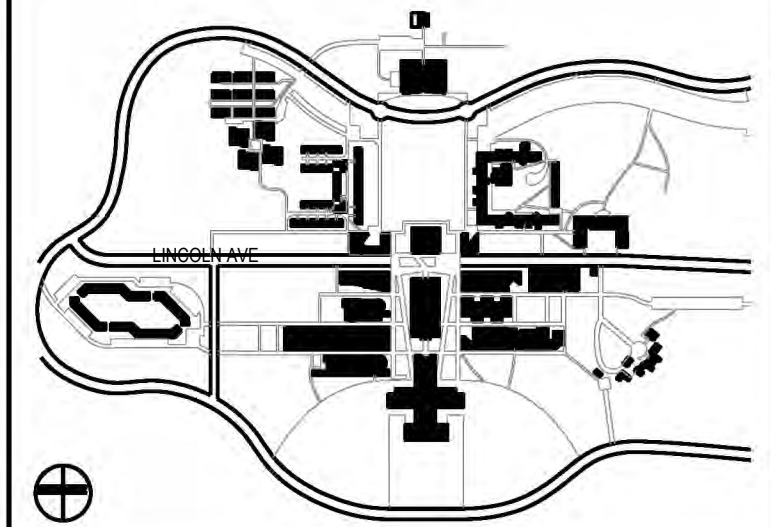
# PURCHASE COLLEGE

## STATE UNIVERSITY OF NEW YORK PERFORMING ARTS CENTER

### ADMISSIONS CONFERENCE ROOM

OWNER	<b>PURCHASE COLLEGE . SUNY</b> 735 ANDERSON HILL RD. PURCHASE NY 10577-1400 CONTACT SEAN CONNOLLY T 914-251-5916 E SEAN.CONNOLLY@PURCHASE.EDU
ARCHITECT	<b>LEWANDOWSKA ARCHITECT PLLC</b> 244 FIFTH AVENUE, SUITE B265, NEW YORK, NY 10001 CONTACT BARBARA LEWANDOWSKA T 212-787-4558 E INFO@LEWANDOWSKAARCHITECT.COM
MEP ENGINEER	<b>COLLADO ENGINEERING</b> 445 HAMILTON AVE, S-TE 608, WHITE PLAINS, NY 10601 CONTACT GEORGE ASPRAS T 914-332-7658 E GASPRAS@COLLADO-ENG.COM

#### KEY PLAN

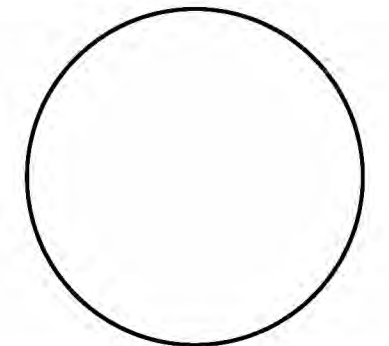


CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS & DIMENSIONS AND BE RESPONSIBLE FOR FIELD FIT AND QUANTITY OF WORK. NO ALLOWANCES SHALL BE MADE ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLECT ON HIS PART.

BUILDING DEPARTMENT NOTE:  
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## COORDINATION ISSUE

SEAL:



NO	DATE	DESCRIPTION	ISSUES
02	01.22.2026	ISSUED FOR BID	
01	09.27.2024	ISSUED FOR 90% REVIEW	

CONTRACT NUMBER SU 022626  
CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

## SPRINKLER SPECIFICATIONS

DRAWING NUMBER DRAWING 5 OF 6

# P-201.00

# FIRE PROTECTION SPECIFICATIONS

## 5. PRODUCTS:

### A. ESCUTCHEONS:

- ALL EXPOSED PIPING PASSING THROUGH WALLS, FLOORS, PARTITIONS AND CEILINGS SHALL BE PROVIDED WITH CHROME PLATED CAST BRASS ESCUTCHEONS HELD IN PLACE WITH SET SCREWS.

## 6. PIPE AND FITTINGS:

### A. PIPE:

- PIPING & MATERIAL APPLICATION TO BE APPROPRIATE FOR THE PRESSURE ZONE ON WHICH THEY ARE TO BE USED.
- PIPING FOR THE PREACTION SYSTEM TO BE SCHEDULE 40 GALVANIZED STEEL.
- SPRINKLER AND FIRE STANDPIPE PIPING INSTALLED ABOVE GRADE: STANDARD WEIGHT BLACK STEEL PIPE, SCHEDULE 40, WELDED OR SEAMLESS, WITH MANUFACTURER'S NAME ROLLED INTO EACH LENGTH.
- SPRINKLER MAIN PIPING (3" & LARGER) INTALLED ABOVE GRADE, WITH MAXIMUM WORKING PRESSURE OF 175 PSI: LIGHT WEIGHT SCHEDULE 10 PIPE WITH MANUFACTURER'S NAME ROLLED ONTO EACH LENGTH.

### B. FITTINGS:

- SUITABLE FOR FSP PRESSURE ZONE.
- ROLLED OR CUT GROOVE:
  - "T'S, ELBOWS, NIPPLES, CAPS AND CROSSES OF DUCTILE OR MALLEABLE IRON; VICTAULIC PRODUCTS OR APPROVED EQUALS.
  - BRANCH OUTLETS OF HOLE CUT TYPE WITH 2-PIECE BOLTED DUCTILE IRON HOUSINGS: VICTAULIC STYLE 920 AND STYLE 920N.
  - ALL FITTINGS IN SCHEDULE 80 PIPING SYSTEMS SHALL BE VICTAULIC STYLE 77, OR APPROVED EQUAL.

### C. JOINTS:

- THREADED (SCHEDULE 40 ONLY) WITH APPROVED COMPOUND.
- CUT GROOVE (SCHEDULE 40 ONLY) WITH RIGID MALLEABLE IRON BOLTED COUPLINGS WITH EPDM GASKETS, VICTAULIC STYLE 07, OR APPROVED EQUAL.
  - FOR SCHEDULE 80 PIPE SYSTEMS, VICTAULIC STYLE 77 OR APPROVED EQUAL.
- ROLL GROOVE (SCHEDULE 40 OR SCHEDULE 10) WITH RIGID MALLEABLE IRON BOLTED COUPLINGS WITH EPDM GASKETS, VICTAULIC STYLE 07 OR APPROVED EQUAL.
  - FOR ROLL GROOVE SCHEDULE 10 SPRINKLER MAINS WITH A MAXIMUM WORKING PRESSURE OF 175 PSI, FIRE SERVICE RIGID MALLEABLE IRON BOLTED COUPLINGS WITH EPDM GASKETS, VICTAULIC STYLE 005, OR APPROVED EQUAL.

### D. APPLICATIONS:

- THREADED: ALL SPRINKLER AND FIRE STANDPIPE SYSTEMS.
- GROOVED (ROLL OR CUT): ALL SPRINKLER RISERS/MAINS AND FIRE STANDPIPE SYSTEMS.

### E. ACCEPTABLE MANUFACTURERS: VICTAULIC CO., INTERFIT, SPRINK.

## 7. SPRINKLER HEADS:

### A. ALL SPRINKLER HEADS SHALL BE AS SCHEDULED ON THE PLANS.

### B. INSTALLATION:

- COORDINATE SPRINKLER HEAD LOCATIONS WITH THE CEILING GRID, LIGHT FIXTURES, DIFFUSERS, AUDIO EQUIPMENT AND ALL OTHER COMPONENTS OF THE REFLECTED CEILING PLAN.
- INSTALL SPRINKLER HEADS IN THE CENTER OF CEILING TILES AND IN A TRUE AXIS LINE IN BOTH DIRECTIONS WITH A MAXIMUM DEVIATION OF 1/2 IN. PLUS OR MINUS FROM THE AXIS LINE AS ESTABLISHED BY THE ARCHITECT FOR USE OF ALL TRADES. AT THE COMPLETION OF THE INSTALLATION, REMOVE AND REINSTALL ANY HEADS FOUND TO EXCEED THE ABOVE-MENTIONED TOLERANCE. INSTALL FLUSH PLATE SPRINKLER HEADS WITHIN MANUFACTURER'S TOLERANCES. PRIOR TO INSTALLATION OF FLUSH PLATES, NOTIFY ARCHITECT AND CONSULTING ENGINEER FOR VERIFICATION OF INSTALLATION. ANY HEADS FOUND OUT OF TOLERANCE SHALL BE REMOVED AND REINSTALLED.

### C. ALL SPRINKLER HEADS SHALL BE OF THE QUICK-RESPONSE TYPE.

## 8. PIPING SUPPORTS:

- SUPPORT ALL PIPING FROM BUILDING CONSTRUCTION BY PROVIDING INSERTS, BEAM CLAMPS, STEEL FISHPLATES (IN CONCRETE FILL ONLY), AND ACCEPTABLE BRACKETS. SUBMIT ALL METHODS FOR REVIEW.
- PROVIDE ADDITIONAL FRAMING WHERE BUILDING CONSTRUCTION IS INADEQUATE. SUBMIT FOR REVIEW.
- SUSPEND HORIZONTAL PIPING:
  - SUPPORT ALL PIPING INDEPENDENTLY FROM STRUCTURE USING HEAVY

IRON-HINGED TYPE HANGERS, SIMILAR TO GRINNELL CLEVIS NO. 260.

- PROVIDE ELECTROPLATED SOLID BAND HANGERS SIMILAR TO AUTO-GRIP, FOR TWO-INCH AND SMALLER PIPE.
  - PROVIDE WALL BRACKETS FOR WALL SUPPORTED PIPING, AND PROVIDE PIPE SADDLES FOR FLOOR MOUNTED PIPING.
  - SUSPEND PIPING FROM INSERTS, USING BEAM CLAMPS WITH RETAINING CLAMP OR LOCKNUT, STEEL FISH PLATES, CANTILEVER BRACKETS OR OTHER ACCEPTED MEANS. BEAM CLAMPS SHALL BE SIMILAR TO GRINNELL FIGURES 61, 87, 131, OR 225.
  - SUSPEND PIPING BY RODS WITH DOUBLE NUTS.
  - PROVIDE ADDITIONAL STEEL FRAMING AS REQUIRED AND ACCEPTED WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING HANGER RODS IN REQUIRED LOCATIONS.
  - MAXIMUM HANGER SPACING AS INDICATED:
    - PIPE 1 INCH AND SMALLER SHALL BE EVERY 8 FEET.
    - PIPE 1-1/4 INCH AND LARGER SHALL BE EVERY 10 FEET.
- ### D. ANCHORS:
- ANCHORS SHALL HAVE A CURRENT ICC ESR REPORT, QUALIFIED FOR CRACKED CONCRETE.
  - DO NOT EXCEED 1/4 OF AVERAGE VALUES FOR A SPECIFIC ANCHOR SIZE USING 2000 PSIG (13,800 KPA) CONCRETE ONLY, FOR MAXIMUM WORKING LOADS.
  - PROVIDE SPACING AND INSTALL ANCHORS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
  - CONTRACTOR TO PROVIDE ANCHOR SUBMITTAL FOR REVIEW AND APPROVAL BEFORE INSTALLATION OF ANY ANCHORS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ANY UNAPPROVED ANCHORS THAT ARE INSTALLED.
  - INSTALLATION OF ANCHORS IS TO BE WITNESSED AND APPROVED BY SPECIAL INSPECTOR, PER THE APPROVED ANCHOR SUBMITTAL.

## 9. INSTALLATION:

- DURING CONSTRUCTION, PROPERLY CAP ALL LINES AND EQUIPMENT NOZZLES SO AS TO PREVENT THE ENTRANCE OF DIRT, DEBRIS, ETC.
  - EACH SYSTEM OF PIPING SHALL BE FLUSHED (FOR THE PURPOSE OF MOVING DIRT, DEBRIS, ETC. FROM THE PIPING) FOR AS LONG A TIME AS IS REQUIRED TO THOROUGHLY CLEAN THE SYSTEM.
- ### 10. TESTS:
- FIRE PROTECTION SYSTEM PIPING SHALL BE HYDROSTATICALLY TESTED AT A PRESSURE OF 200 PSI FOR A DURATION OF THREE HOURS WITHOUT A LOSS IN PRESSURE.
  - DEFECTS DISCLOSED BY THE TESTS SHALL BE REPAIRED OR REPLACED. TESTS SHALL BE REPEATED AS DIRECTED UNTIL ALL WORK IS PROVEN SATISFACTORY.
  - TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO THE BUILDING AND ITS CONTENTS AS A RESULT OF SUCH TESTS. REPAIR ANY DAMAGE CAUSED.
  - ARRANGE AND COORDINATE TESTS WITH OWNER 48 HOURS IN ADVANCE. NOTIFY ENGINEER AND ARCHITECT OF TEST DATE AND TIME.

## 11. FIRESTOPPING

- ### A. QUALITY ASSURANCE:
- USE FIRESTOPPING SYSTEMS THAT HAVE BEEN TESTED IN ACCORDANCE WITH ASTM E814 OUL 1479. LISTING BY UL (DIR), UL (FDR), FM (AG), OR ITS (DIR) IN THEIR CERTIFICATION DIRECTORIES WILL BE CONSIDERED EVIDENCE OF SUCCESSFUL TESTING.
  - MANUFACTURER QUALIFICATIONS: COMPANY SPECIALIZING IN MANUFACTURING THE PRODUCTS FOR USE IN FIRE RATED ASSEMBLIES WITH MINIMUM THREE YEARS DOCUMENTED EXPERIENCE.
- ### A. FIRESTOPPING ASSEMBLY REQUIREMENTS
- FOR MEMBRANE AND THROUGH PENETRATIONS, PROVIDE FIRESTOPPING MATERIALS TO CREATE A LISTED SYSTEM, FOR THE ASSEMBLY BEING PENETRATED AND FIELD CONDITIONS, THAT HAVE THE FOLLOWING PROPERTIES, EXCEPT AS OTHERWISE PERMITTED BY THE BUILDING CODE:
    - FIRE RESISTANCE: PROVIDE SYSTEMS THAT HAVE BEEN TESTED TO SHOW F-RATING EQUAL TO REQUIRED FIRE RATING OF PENETRATED ASSEMBLY.
    - TEMPERATURE RISE: PROVIDE SYSTEMS THAT HAVE BEEN TESTED TO SHOW T-RATING EQUAL TO OR GREATER THAN THE F-RATING.
    - AIR LEAKAGE: PROVIDE SYSTEMS THAT HAVE BEEN TESTED TO SHOW L-RATING IS EQUAL TO OR GREATER THAN THE L-RATING OF JOINTS IN ASSEMBLY BEING PENETRATED.
    - WATERTIGHTNESS: PROVIDE SYSTEMS THAT HAVE BEEN TESTED TO MEET A CLASS 1 W-RATING FOR FLOOR PENETRATIONS.
- ### C. FIELD CONDITIONS
- COMPLY WITH FIRESTOPPING MANUFACTURER'S RECOMMENDATIONS FOR TEMPERATURE AND CONDITIONS DURING AND AFTER INSTALLATION; MAINTAIN MINIMUM TEMPERATURE BEFORE, DURING, AND FOR THREE DAYS AFTER INSTALLATION OF MATERIALS.
  - PROVIDE VENTILATION IN AREAS WHERE SOLVENT-CURED MATERIALS ARE BEING INSTALLED.
- ### D. INSPECTION OF FIRESTOPPING SYSTEMS

- METHOD OF INSPECTION SHALL BE AT THE DISCRETION OF THE SPECIAL INSPECTOR. CONTRACTOR SHALL PROVIDE ALL REQUIRED INFORMATION, COORDINATE WITH SPECIAL INSPECTOR AT LEAST 10 DAYS IN ADVANCE OF FIRE STOP INSTALLATION, AND ARRANGE SITE ACCESS. CONTRACTOR SHALL COMPLETELY REMOVE AND RESTORE ALL FIRESTOPPING THAT HAS UNDERGONE DESTRUCTIVE TESTING. NO CLAIMS FOR ADDITIONAL COST OR TIME WILL BE ALLOWED.
- VISUAL INSPECTION: SPECIAL INSPECTOR SHALL BE ONSITE DURING INSTALLATION AND RANDOMLY WITNESS A MINIMUM OF 10% OF EACH TYPE OF FIRE STOP BEING INSTALLED.
- DESTRUCTIVE TESTING: VERIFICATION OF FIRESTOPPING AFTER INSTALLATION HAS TAKEN PLACE. A MINIMUM OF 2%, BUT NOT LESS THEN ONE, OF EACH TYPE OF FIRE STOP SHALL BE INSPECTED PER FLOOR OR EACH AREA OF A FLOOR WHEN A FLOOR AREA IS LARGER THAN 10,000 SQ. FT.

# PURCHASE COLLEGE

## STATE UNIVERSITY OF NEW YORK PERFORMING ARTS CENTER

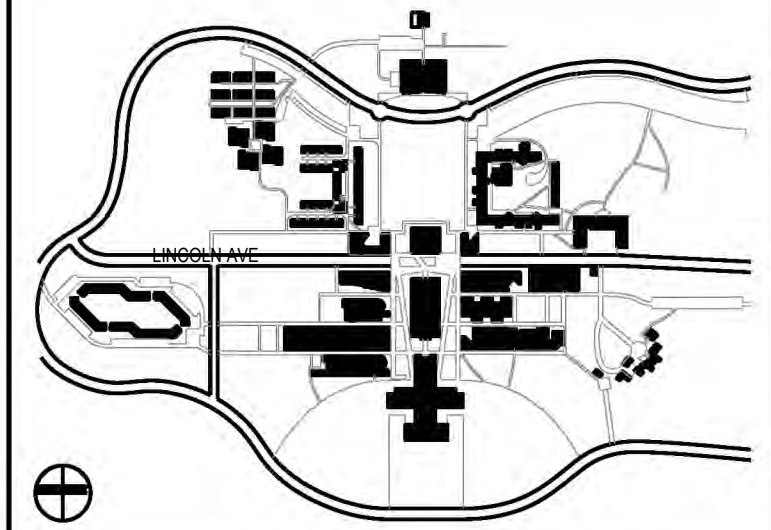
### ADMISSIONS CONFERENCE ROOM

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 E SEAN.CONNOLLY@PURCHASE.EDU

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#### KEY PLAN

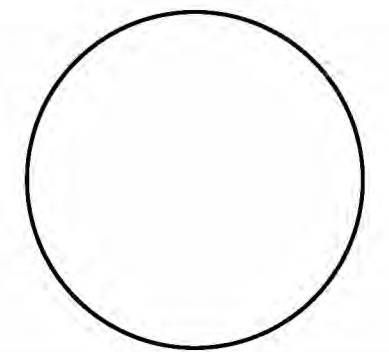


CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS & DIMENSIONS AND BE RESPONSIBLE FOR FIELD FIT AND QUANTITY OF WORK. NO ALLOWANCES SHALL BE MADE ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.

**BUILDING DEPARTMENT NOTE:**  
 THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

## COORDINATION ISSUE

SEAL:



NO	DATE	DESCRIPTION	ISSUES
02	01.22.2026	ISSUED FOR BID	
01	09.27.2024	ISSUED FOR 90% REVIEW	

CONTRACT NUMBER SU 022626  
 CONFERENCE ROOM REHAB FOR ADMISSIONS RELOCATION

SCALE: AS NOTED PROJECT NO: 2401 DATE: 07.01.2024

DRAWING TITLE:

## SPRINKLER SPECIFICATIONS CONTINUED

DRAWING NUMBER DRAWING 6 OF 6

# P-202.00