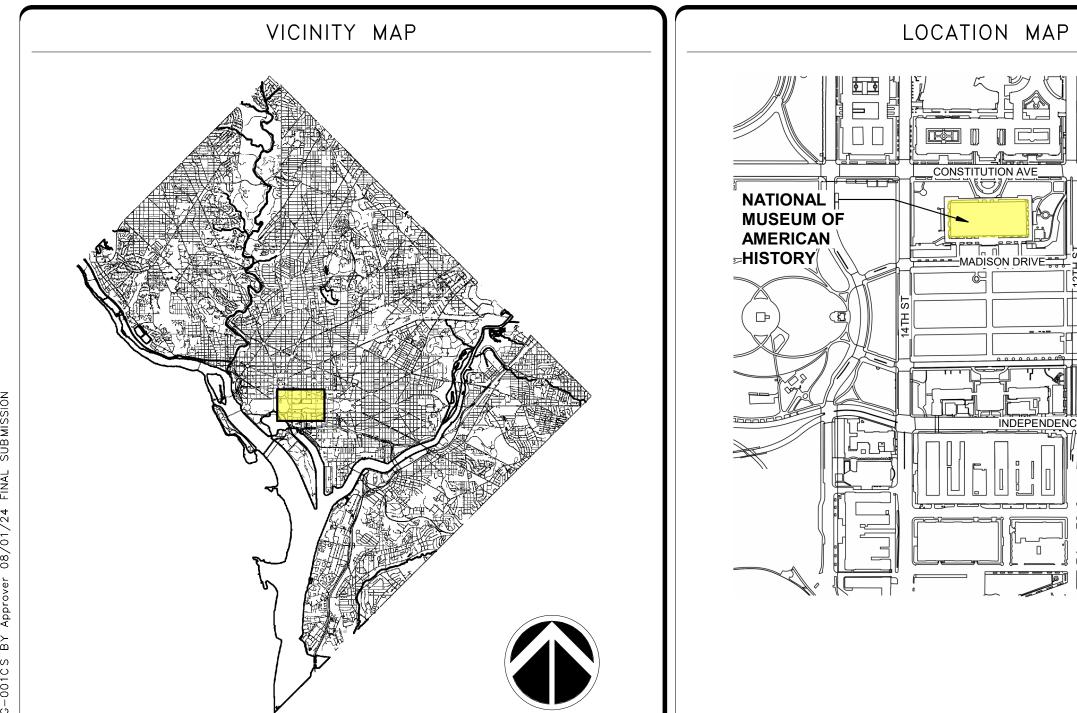
GUNBOAT PHILADELPHIA TEMPORAR **CONSERVATION SPACE**

1300 CONSTITUTION AVE NW WASHINGTON DC 20560

SF PROJECT NUMBER 2003106

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NATIONAL MUSEUM OF AMERICAN HISTORY

STRUCTURAL:

McMullan & Associates 11800 Sunrise Valley Drive, Suite 430 Restom, VA 20191 703.556.0651

SECURITY:

M2H Protection 5100 Buckeystown Pike Frederick, MD 21704 301.371.6047

MEP ENGINEERING:

James Posey Associates 11155 Red Run Boulevard, Suite Owings Mills, MD 21117 410.265.6100

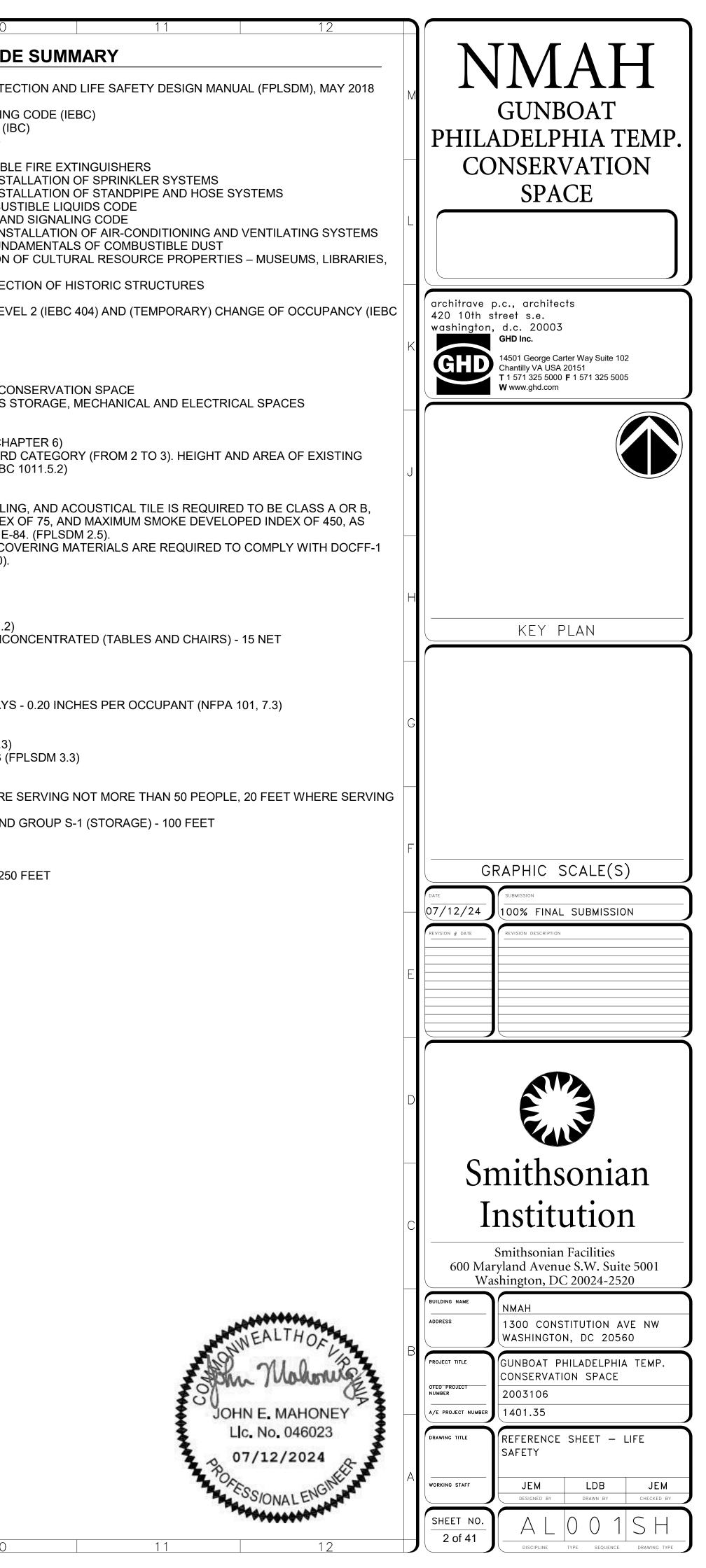
COST ESTIMATING:

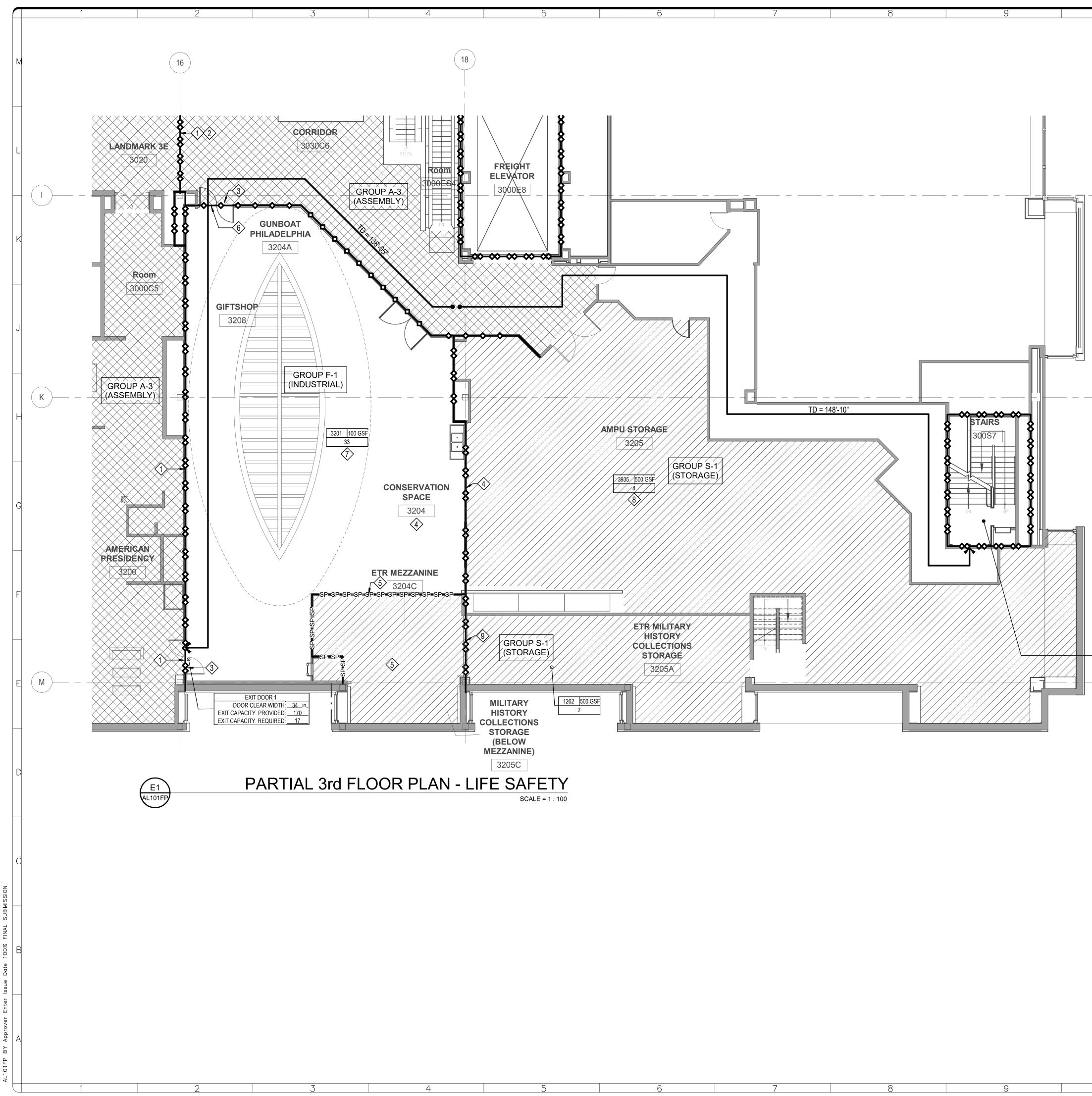
RIB US Cost 241 Garrisonville Road, Suite 202 Stafford, VA 22554 703.415.0835

		<u>IN</u> [DEX OF DRAWINGS
SHEE NUMBI		SHEET NUMBER	SHEET TITLE
G-0010	COVER SHEET	F-101FP	THIRD FLOOR PLAN - FIRE PROTECT
AL0015	CH REFERENCE SHEET - LIFE SAFETY		DEMOLITION
AL1011	P THIRD FLOOR - LIFE SAFETY	F-102FP	THIRD FLOOR PLAN - FIRE PROTECT
A-00	NOTES AND ABBREVIATIONS		NEW WORK
AD101	FP FLOOR PLAN - DEMOLITION	E-001	ELECTRICAL SYMBOLS AND ABBREV
AD102	CP REFLECTED CEILING PLAN - DEMOLITION	ED101DP	THIRD FLOOR PLAN - ELECTRICAL
A-101F	P FLOOR PLAN - NEW WORK		
A-102F	P FLOOR PLAN - CONSERVATION LAYOUT	EL101LP	THIRD FLOOR PLAN - LIGHTING
A-1030	P REFLECTED CEILING PLAN - NEW WORK	EP101PP	THIRD FLOOR PLAN - POWER
A-201	L INTERIOR ELEVATIONS	EP401EL	ELECTRICAL ELEVATIONS & DETAIL
A-2028	INTERIOR ELEVATION - PUBLIC SIDE	ET101FP	THIRD FLOOR PLAN - SYSTEMS
A-401E	P GUNBOAT PROTECTION - ENLARGED PLAN	E-601SH	ELECTRICAL SCHEDULES
	AND SECTION	E-602SH	ELECTRICAL SCHEDULES
A-501[OT WALL TYPES	E-603SH	ELECTRICAL DIAGRAMS
A-502[TY001	SECURITY SYMBOLS, GENERAL NOTI ABBREVIATIONS
A-6015	SH SCHEDULES	TYD101FP	SECURITY DEMO FLOOR PLAN
S-100	STRUCTURAL NOTES AND DETAILS	— TY102FP	SECURITY NEW FLOOR PLAN
M-00		TY501DT	SECURITY DETAILS
	ABBREVIATIONS	TY502DT	SECURITY DETAILS
M-101		TY601	SECURITY ONELINE DIAGRAM
M-102		11001	SECURITY ONELINE DIAGRAM
M-103	P THIRD FLOOR PLAN - HVAC PIPING - NEW WORK		
M-104	P FOURTH FLOOR PLAN - HVAC PIPING - NEW WORK		
M-50	DETAILS & DIAGRAMS		
M-60) SCHEDULES		
M-70	ATC SEQUENCE		

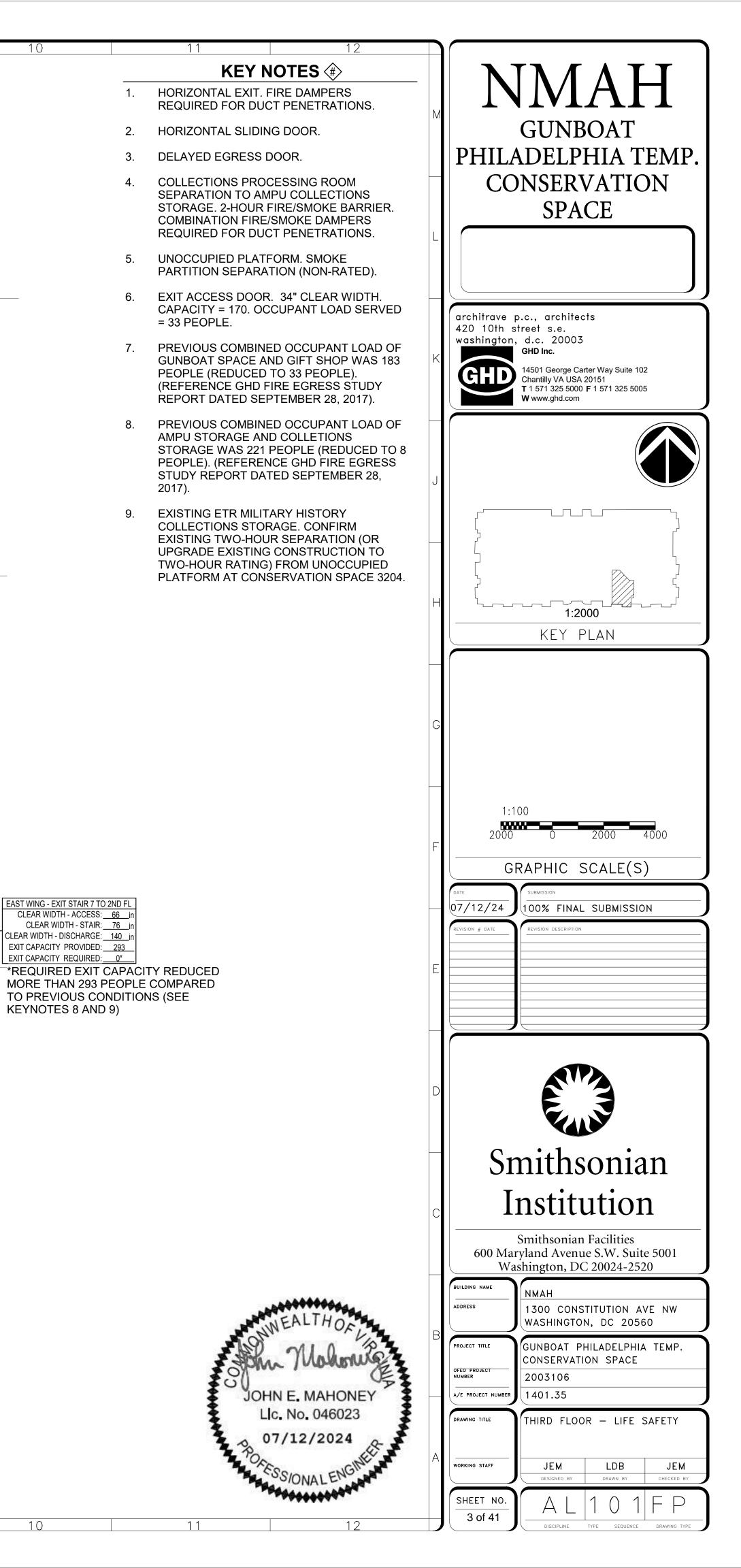
SY	NNAHGUNBOATGUNBOATPHILADELPHIA TEMP.CONSERVATIONSPACEFORCONSTRUCTION
	ARC 200969 ARC 20
e 310 2	SMITHSONIAN FACILITIES APPROVAL BLOCK DM: DESIGN CHIEF: R.E.: OPPM: OFM&R: OSHEM: OPS: THIS PROJECT IS APPROVED AS BEING IN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF SMITHSONIAN INSTITUTION DIRECTIVE 410. MICHAEL J. CARRANCHO, P.E., ASSOCIATE DIRECTOR, OEDC NETE 07/12/24 REVISION # DATE REVISION # DATE
ION - ION - IATIONS	Smithsonian Institution
ES AND	Smithsonian Facilities 600 Maryland Avenue S.W. Suite 5001 Washington, DC 20024-2520 BUILDING NAME NMAH 1300 CONSTITUTION AVE NW WASHINGTON, DC 20560 PROJECT TITLE GUNBOAT PHILADELPHIA TEMP. CONSERVATION SPACE
	SF PROJECT NUMBER A/E PROJECT NUMBER DRAWING TITLE COVER SHEET WORKING STAFF MM AH TS MM DESIGNED BY DRAWN BY CHECKED BY SHEET NO. 1 of 41 DISCIPLINE TYPE SEQUENCE DRAWING TYPE

	1 2	3	4 ABBREVIATION	5 6	7 SYMBOL LIST	8		10 ODE
N		ABI	REVIATIONSABBREVIATACTUALACTUAL SEAT COUNTASSMASSEMBLY FUNCTIONBENCHBENCH SEATINGCLASSCLASSROOM FUNCTIONCPCOMMON PATH		 1-HOUR FIRE-RESISTANCE RATING 2-HOUR FIRE-RESISTANCE RATING SMOKE PARTITION EXIT ACCESS TRAVEL DISTANCE 	1.	 APPLICABLE CODES AND STANDARDS SMITHSONIAN INSTITUTION FIRE PR SI SAFETY MANUAL, OCTOBER 2010 2018 INTERNATIONAL EXISTING BUIL 2018 INTERNATIONAL BUILDING COD 2018 INTERNATIONAL FIRE CODE (IF 2018 NFPA 101, LIFE SAFETY CODE 	ROTECT LDING (DE (IBC
L			DEDEAD END CORRIDORETREXISTING TO REMAINFIXEDFIXED SEATING FUNCTFTFOOTGSFGROSS SQUARE FEETININCHESINDSINDUSTRIAL FUNCTIONLIBLIBRARY READING ROONANOT APPLICABLENFPANATIONAL FIRE PROTE		 COMMON PATH OF TRAVEL KEY NOTE INDICATOR STORAGE FUNCTION OCCUPANT LOAD FACTOR, 500 GROSS SQUARE FEET PER PERSON INDUSTRIAL FUNCTION OCCUPANT LOAD FACTOR, 100 GROSS SQUARE FEET PER PERSON 		 2018 NFPA 101, LIFE SAFETT CODE 2018 NFPA 10, STANDARD FOR PORT 2019 NFPA 13, STANDARD FOR THE I 2019 NFPA 14, STANDARD FOR THE I 2021 NFPA 30, FLAMMABLE AND CON 2019 NFPA 72, NATIONAL FIRE ALARI 2018 NFPA 90A, STANDARD FOR THE 2019 NFPA 652, STANDARD ON THE F NFPA 909, CODE FOR THE PROTECT AND PLACES OF WORSHIP 	TABLE INSTAL INSTAL MBUST M AND E INSTA FUNDA
			NONUMBERNSFNET SQUARE FEETOSHEMOFFICE OF SAFETY, HE MANAGEMENTSFSQUARE FOOT		ASSEMBLY FUNCTION OCCUPANT LOAD FACTOR (UNCONCENTRATED), 15 NET SQUARE FEET PER PERSON LIBRARY READING ROOM OCCUPANT LOAD FACTOR, 50 NET SQUARE FEET PER PERSON	2.	 AND PLACES OF WORSHIP 2019 NFPA 914, CODE FOR FIRE PRO CLASSIFICATION OF WORK - ALTERATION 603 AND 605) 	
K			STORSTORAGE FUNCTIONTDTRAVEL DISTANCEVCCVIRGINIA CONSTRUCTIWORKWORKSHOP/VOCATION		AREA OCCUPANT LOAD FACTOR OCCUPANT LOAD IDENTIFIER OCCUPANT LOAD	3.	OCCUPANCY CLASSIFICATION MIXED, NON-SEPARATED (IBC 508) GROUP A-3 (ASSEMBLY) - MUSEUM GROUP F-1 (INDUSTRIAL, GENERAL) GROUP S-1 (STORAGE) - COLLECTIO) - CONS
J				EXIT CA	EXIT NUMBER EXIT # OOR CLEAR WIDTH PACITY PROVIDED PACITY REQUIRED: WIDTH OF EXIT DOOR EXIT IDENTIFIER NO. OF PEOPLE THAT CAN USE DOOR NO OF PEOPLE THAT MUST USE DOOR	4.	TYPE OF CONSTRUCTION TYPE 1B (EXISTING TO REMAIN) (IBC CHANGE IN USE IS TO A LOWER-HAZ BUILDING IS DEMED ACCEPTABLE. (ZARD (
				CLEAR V EXIT CA	EXIT STAIR NUMBER WIDTH OF STAIR ACCESS DOOR WIDTH OF STAIR EAR WIDTH - STAIR: WIDTH OF STAIR WIDTH OF STAIR DISCHARGE DOOR WIDTH - DISCHARGE: IN PACITY PROVIDED: PACITY REQUIRED: WIDTH OF STAIR OF STAIR DISCHARGE DOOR WIDTH OF STAIR DISCHARGE DOOR	5.	INTERIOR FINISH WALL AND CEILING MATERIALS, PAN WITH A MAXIMUM FLAME SPREAD IN TESTED IN ACCORDANCE WITH AST INTERIOR FLOOR FINISH AND FLOOF "PILL TEST". (CPSC 16 CFR, PART 16	NDEX C 「M E-84 R COVE
н					NO OF PEOPLE THAT MUST USE DOOR	6.	SPRINKLER PROTECTION (IBC 903) FULLY SPRINKLERED	,
						7.	OCCUPANT LOAD FACTORS (NFPA 101, 7.3 ASSEMBLY WITHOUT FIXED SEATS U INDUSTRIAL (GENERAL) - 100 GROSS STORAGE USE - 500 GROSS	UNCON
						8.	MEANS OF EGRESS SIZING COMPONENTS OTHER THAN STAIRW	VAYS -
G						9.	MINIMUM WIDTH OF EGRESS COMPONEN DOORS - 32 INCHES (NFPA 101, 7.2.1 PATHWAYS IN GALLERIES - 60 INCHE	1.2.3)
						10.	COMMON PATH OF EGRESS TRAVEL GROUP A (ASSEMBLY) - 75 FEET WH MORE THAN 50 PEOPLE GROUP F-1 (INDUSTRIAL, GENERAL)	
F						11.	EXIT ACCESS TRAVEL DISTANCE GROUP A (ASSEMBLY) - 250 FEET GROUP F-1 (INDUSTRIAL, GENERAL) GROUP S-1 (STORAGE) - 400 FEET) - 250 F
E								
D								
C								
Date 100% FINAL SUBMISSION								
001SH BY Approver Enter Issue								
ALt	1 2	3	4	5 6	7	8	9	10



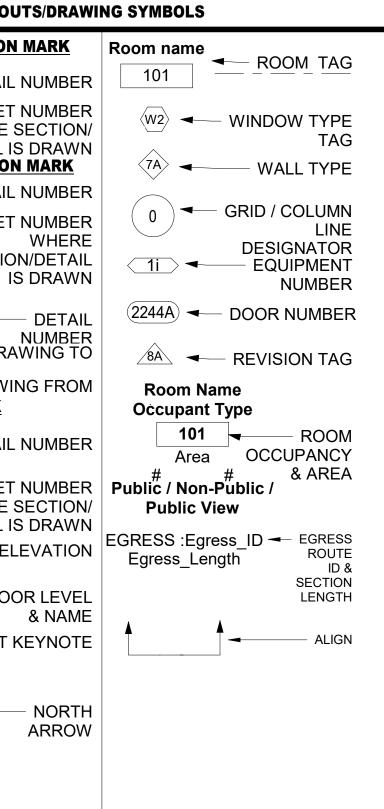


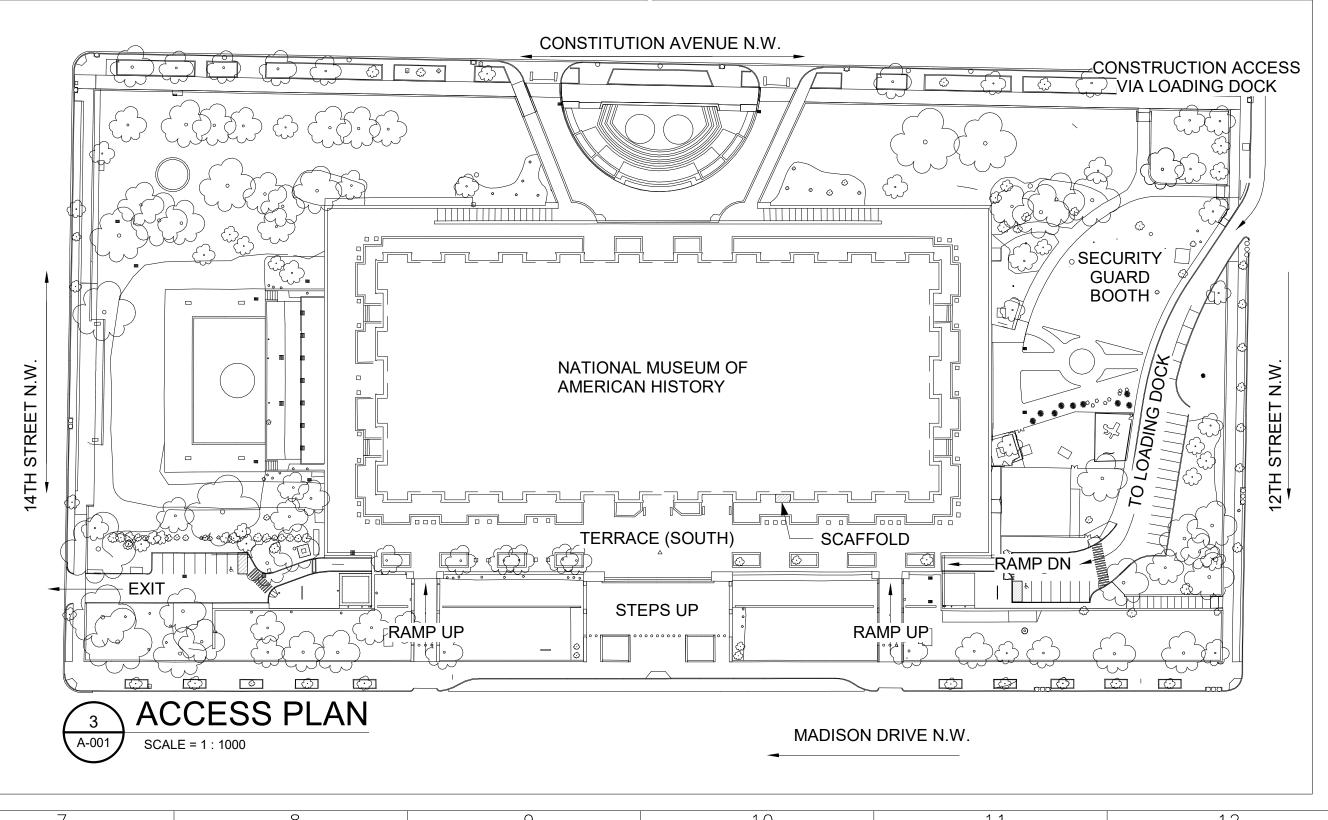
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DRA	WING ABB	REVIA	TIONS	NUMBERING	INDEX O
A A/E	ARCHITECT/ENGINEER	L	LANDING	CODES	NUMBERING SYSTEM
A/E ABV ACC	ARCHITECT/ENGINEER ABOVE ACCESSIBLE	LF	LINEAR FEET (FOOT)	DISCIPLINE CODES (for both model and sheet files)	SHEET NUMBERING
	ACCESS DOOR AMERICANS WITH	LOC LT	LOCATION	A - Architectural	SYSTEM
AFF	DISABILITIES ACT ABOVE FINISHED	LVR M	LOUVER	C - Civil E - Electrical	A-
AHU	FLOOR AIR HANDLING UNIT	MAX MECH	MAXIMUM MECHANICAL	F - Fire Protection G - General	FILE
MPU	A MORE PERFECT	MECH RM		M - Mechanical P - Plumbing	NAMING SYSTEM
PC	UNION (STORAGE) ACOUSTICAL PANEL	MIN MINUTE	MINIMUM,	S - Structural	
3	CEILING	MISC	MISCELLANEOUS MILLIMETER	DISCIPLINE CODES (for both model and sheet files)	
, 8H 8LDG	BEAM HEIGHT	MOD MORT	MODIFY	Smithsonian only)	DESCRIP
BOT	BUILDING BOTTOM	morti	BOTTOM SEAL	AA - Accessibility EV - Elevator	BASE BID
C		MTL MEZZ	METAL MEZZANINE	EX - Exhibits GR - Graphics	- PROTECTION OF AF GUNBOAT PHILADEL
	CONSTRUCTION DOCUMENTS	MPE	MECHANICAL, PLUMBING	HP - Historic - Preservation SC - Security	- DEMOLITION OF WA
CFM	CUBIC FEET PER MINUTE	N	ELECTRICAL	SS - Special - Systems	NEW CONSERVATION MAINTAIN COLLECT
HLG	CEILING HEIGHT CEILING	N N NA	NORTH NOT APPLICABLE	SHEET TYPE DESIGNATORS (for sheet files only)	MAINTAIN COLLECT
	CONCRETE MASONRY UNIT	NFPA	NOT APPLICABLE NATIONAL FIRE PROTECTION	0 - General (Symbols, Legends, Notes)	- CONSTRUCTION OF SUPPORT PRESERVA
	COMMUNICATION CONCRETE	NMAH	ASSOCIATION	1 - Plans (including Reflected Ceiling	- REFER TO CONSTR
CONT COORD	CONTINUE COORDINATE	ואואורי	MUSEUM OF AMERICAN	Plans) 2 - Elevations	- ALL WORK IS BASE
ORR OTR	CORRIDOR CONTRACTING		HISTORY	3 - Sections	-ALL WORK IS BASE -SI IS RESPONSIBLE
	OFFICER'S TECHNICAL REPRESENTATIVE	NO NP NTS	NUMBER NO PAINT NOT TO SCALE	4 - Large Scale (plans, elevations, etc.) 5 - Dotails	MOVEMENT OF THE
CTR CU FT	CENTER CUBIC FEET	NTS 0	NOT TO SCALE	5 - Details 6 - Schedules and Diagrams 7 - User Defined (Elevators and	
		OC P	ON CENTER	7 - User Defined (Elevators and Stair	4
) DEMO	DEPTH DEMOLITION,		PRECAST CONCRETE DEDIMETED	plans, details, sections) 8 - User Defined (non-	
EPT	DEMOLISH DEPARTMENT	PERIM PH	PERIMETER PHASE	architecture) 9 - 3D Views, Interior Details,	
ET IA	DETAIL DIAMETER	PLAS PNL	PLASTER PANEL	Partition Types, Window Types	
)IR)IST	DIRECTION DISTANCE	PR PSF	PAIR POUNDS PER	DRAWING TYPE CODES	
	DOWN DOCUMENT	PSI	SQUARE FOOT POUNDS PER	(for model files, specific to all disciplines)	
PR	DOOR	PT	SQUARE INCH PAINT DOWER	FP - Floor Plan	
	EACH	PWR POLY	POWER POLYETHYLENE	DP - Demolition Plan SP - Site Plan	
-	EACH FACE ELEVATION	R RCP	REFLECTED	QP - Equipment Plan XP - Existing Plan	
_EV TR	ELEVATOR EXISTING TO REMAIN	REC	CEILING PLAN RECESSED	RO - Roof Plan EL - Elevation	
(P (EXPOSED EXTERIOR	REF REM	REFERENCE REMOVABLE	SC - Section DT - Detail	
KST KT	EXISTING EXTINGUISHER	RESIL RTF	RESILIENT RESILIENT TILE	SH - Schedule 3D - Isometric/3D	
		RM	FLOORING ROOM	DG - Diagrams	ANNOTATION CALLO
A E	FIRE ALARM FIRE EXTINGUISHER	RO	ROUGH OPENING	DRAWING TYPE CODES (discipline specific)	INTERIOR ELEVATIO
IN IXT	FINISH FIXTURE	R&R	REMOVE AND REINSTAL	General	DETAI
LEX LR	FLEXIBLE FLOOR	S SCHED	SCHEDULE	BS - Border Sheet KP - Key Plan	A101 SHEE WHERE DETAIL
R RTW	FIRE RESISTANT FIRE RETARDANT	SD	SMOKE DETECTOR	Architectural/Interiors	EXTERIOR ELEVATIO
T	TREATED WOOD FEET	SF	SQUARE FOOT (FEET)	EP - Enlarged Plan CP - Ceiling Plan	DETAI SHEE
G		SIM SI	SIMILAR SMITHSONIAN	RP - Furniture Plan NP - Finish Plans	A101 SHEE
SC	GENERAL CONTRACTOR	SMM	INSTITUTION SQUARE	Structural	SECTION MARK
θP	GUNBOAT PHILADELPHIA	SPEC	MILLIMETER SPECIFICATION	FP - Framing Plan NP - Foundation Plan	
GWB	GYPSUM WALL BOARD	SQ S/S	SQUARE STAINLESS	Fire - Protection	
H HDW	HARDWARE	ST	STEEL STAIRS	VP - Evacuation Plan KP - Sprinkler Plan	DRAW
HEPA	HIGH EFFICIENCY PARTICULATE AIR	STL STOR	STEEL STORAGE	Mechanical	
IORIZ	(FILTER) HORIZONTAL	T T	TREAD	CP - Control Plan HP - HVAC - Ductwork Plan	A-101
HR HT	HOUR HEIGHT	TEMP TER	TEMPORARY TERRAZZO	PP - Piping Plan	
		TS	TRANSITION STRIP	Plumbing PP - Plumbing Plan	DETAIL 🕂 🔶 🔶 SPOT E
3C	INTERNATIONAL BUILDING CODE	TYP U	TYPICAL	Electrical	Name
NSUL NT	INSULATION INTERIOR	ÜL	UNDERWRITER'S LABORATORY	CP - Communication GP - Grounding	Elevation • FLC
LO	IN LIEU OF	U.N.O.	UNLESS NOTED OTHERWISE	LP - Lighting PP - Power	2 - SHEET
 Pa	KILOPASCAL	V VERT	VERTICAL		
u a		VIF W	VERIFY IN FIELD		
		Ŵ/	WITH		

DRAWINGS	GENERAL NOTES	BUILD
DISCIPLINE CODE SHEET TYPE SHEET SEQUENCE' DRAWING TYPE CODE OFEO PROJECT NUMBER DISCIPLINE CODE SHEET TYPE SHEET SEQUENCE' DRAWING TYPE CODE SHEET TYPE -101FP. -101F	 DO NOT SCALE DRAWINGS. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING WORK. INSTALL ALL WORK ON THIS PROJECT IN ACCORDANCE WITH APPLICABLE CODE AND REGULATIONS. ALL ITEMS ARE NEW UNLESS OTHERWISE DESIGNATED. ALL DIMENSIONS ARE IN MILLIMETERS AND FEET-INCHES UNLESS OTHERWISE NOTED. ALL DIMENSIONS ARE IN MILLIMETERS AND FEET-INCHES UNLESS OTHERWISE NOTED. THE DRAWINGS HAVE BEEN DEVELOPED THROUGH USE OF EXISTING BUILDING DRAWINGS AND FIELD OBSERVATION. BEFORE STARTING WORK, REVIEW EXISTING BUILDING DRAWINGS AND IMMEDIATELY BRING ANY CONDITION CHANGE OR INFORMATION FOUND TO BE DIFFERENT THAN SHOWN TO THE ATTENTION OF THE COTR. TO BE THAT ALL NEW CONSTRUCTION INSTALLED IN EXISTING FABRIC IS STRUCTURALLY SOUND AND ABLE TO SUPPORT ITS OWN WEIGHT AS WELL AS THE WEIGHT OF ITEMS IT IS DESIGNED TO CARRY. DO NOT STACK MATERIALS IN SUCH A MANNER THAT WOULD CREATE CONCENTRATED LOADS. FULLY COORDINATE ALL WORK BETWEEN DISCIPLINES. PROVIDE 2 HR. FIRE STOPPING AT ALTERED EXISTING PENETRATIONS THROUGH PARTITIONS IN AREA OF WORK, U.N.O. MAINTAIN EGRESS PATHS THROUGH BUILDING AT ALL TIMES THE BUILDING IS OCCUPIED. IF EGRESS MUST BE TEMPORARILY BLOCKED, PROVIDE SIGNAGE DIRECTIONS TO OTHER EXITS. COORDINATE W/ COTR. PERFORM NO ON-SITE DEMOLITION WORK UNTIL ALL SUBMITTAL INFORMATION HAS BEEN SUBMITED AND APPROVED. IT IS NOT EXPECTED THAT HAZARDOUS MATERIALS WILL BE ENCOUNTERED IN THE WORK. IF MATERIALS SUBCOTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTRRED DURING THE WORK, STOP WORK IMMEDIATELY AND NOTIFY COTR. HAZARDOUS MATERIALS WILL BE REMOVED BY SI UNDER A SEPARATE CONTRACT. WHEN WORK REQUIRES DISTURBANCE OF ORIGINAL BUILDING FABRIC FINISHES OR ASSEMBLIES, PATCH, REPAR A RUDYOR REPAINT ASSEMBLIES USING MATERIAL AND METHODS IDEDATECAT. TO THE ORIGINAL INSTALLATIONS AND CREATE A FINISH CONDITION INDISTINGUISHABLE FROM OR	PROJECT INFO PROJECT NAM STUDY, GUNE EXHBITION DE TEMPORARY SPACE ADDRESS: NM CONSTITUTIO WASHINGTON PROPOSED U SPACE OWNER-CONT LINDSEY VAN PHONE: 202-0 APPLICABLE C - BUILDING COI - MECHANICAL: - PLUMBING: 2 - ELECTRICAL: - FIRE CODE: 2 - LIFE SAFETY - ACCESSIBILIT - ENERGY COD BUILDING PLA OCCUPANCY: MIXED OCCUF REQUIRED FIE 1-HR @ NEW COLLECTIONS FIRE SEPARATIO

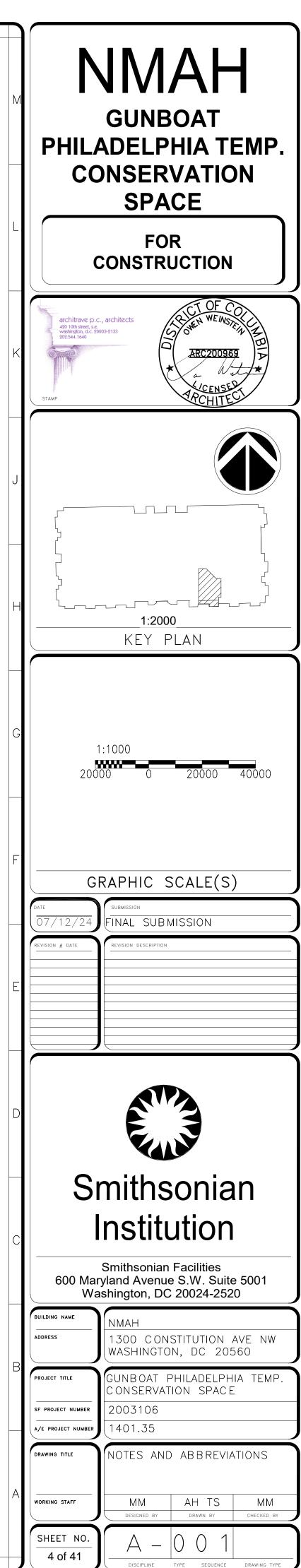


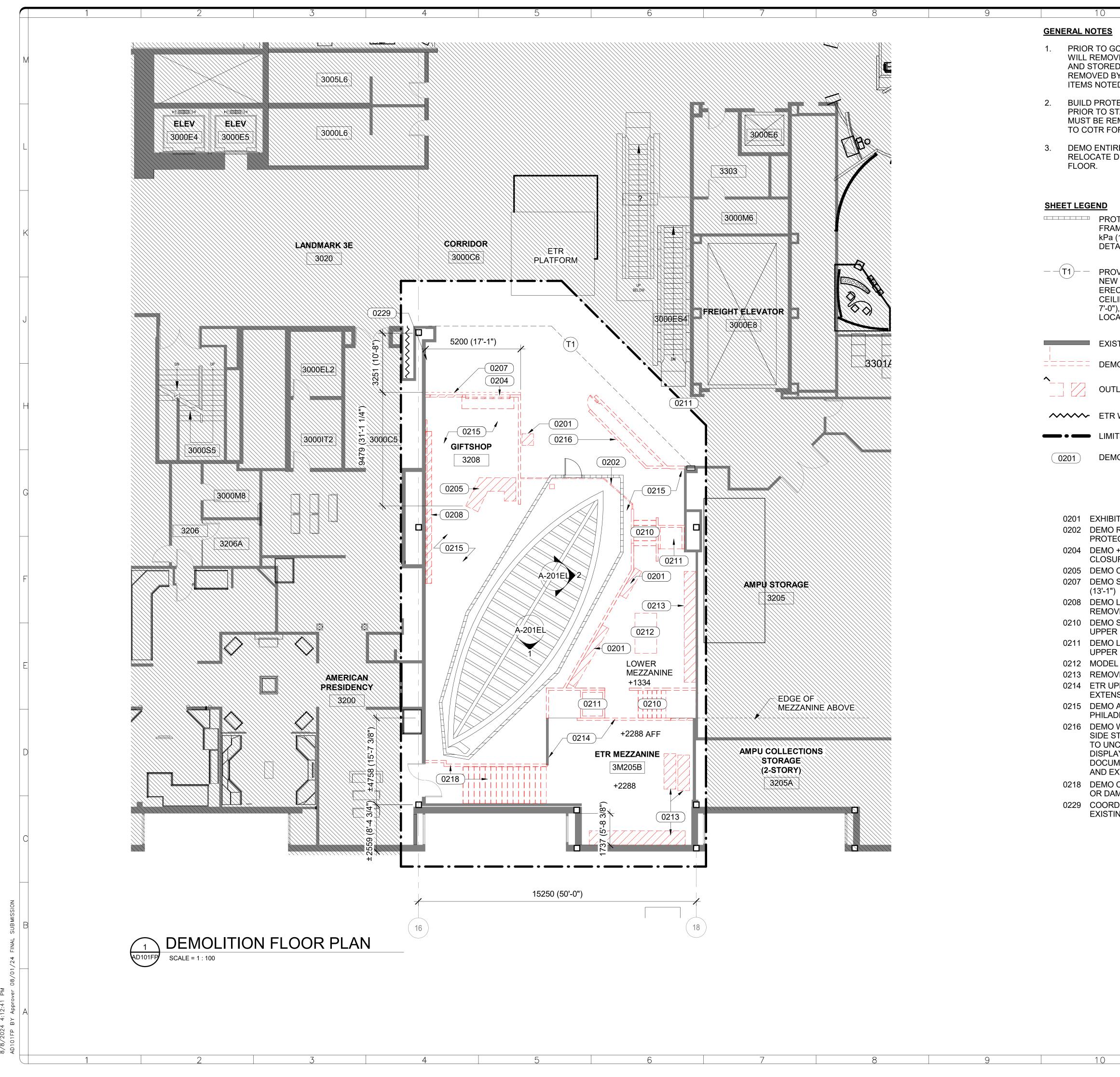


DING SUMMARY

	AKI					
FORMATION	TYPE OF CONSTRUCTION					
AME: CONCEPT DESIGN NBOAT PHILADELPHIA -	CONSTRUCTION TYPE: 1B					
DEMOLITION AND Y PRESERVATION	ESSENTIAL FACILITY (CHAPTER 16, IBC) ESSENTIAL FACILITY? NO					
NMAH - 1300 ION AVENUE NW, DN DC 20560	GENERAL BUILDING LIMITATIONS - HEIGHT OF BUILDING: 3,322 M (109' FROM GRADE TO HIGHEST ROOF STRUCTURE)					
USE: CONSERVATION	- NUMBER OF STORIES: 5 STORY W/ BASEMENT BELOW GRADE					
NTACT PERSON: NDERDRAY	- MAXIMUM SINGLE FLOOR AREA: 5,760 SM (62,101 SF) AT 5TH FLOOR					
2-633-8769	- TOTAL AREA OF BUILDING: 74,306					
CODES	GSM (799,825 GSF)					
ODE: 2018 IBC	- PENTHOUSE AND ROOF STRUCTURE: YES					
AL: 2018 IMC						
2018 IPC	- HIGH RISE: NO					
L: 2018 IEC	- PARKING SPACES PROVIDED: NO (CONTRACTOR)					
2018 IFC	- PARKING SPACES REQUIRED:					
Y CODE: 2018 NFPA 101	NONE (CONTRACTOR)					
ITY CODE: SGAED	- ACCESSIBLE PARKING SPACES PROVIDED: N/A					
DDE: IECC, 2018	FIRE PROTECTION SYSTEMS					
LANNING	- FIRE EXTINGUISHING SYSTEM: YES					
Y: GROUPS A-3, F-1, S-1	- STANDPIPE SYSTEM: YES					
UPANCY? YES	TYPE: FULL SYSTEM; 2-FIRE DEPARTMENT CONNECTIONS					
FIRE SEPARATION: V WALL, 2 HR AT NS STORAGE	- SMOKE CONTROL: YES AT ATRIUM					
ION OF REQUIREMENTS						

ION OF REQUIREMENTS									
Μ	REQ'D RATING / HR								
RE NTS	2-HR	EXISTING CMU							
ATION SPACE TO NS/STORAGE	2-HR	UPGRADE EXISTING 1-HR WALL TO 2-HR. APPLY TYPE X GWB BOTH SIDES							
CE TO ON SPACE	1-HR	UL #V-450 OR SIM.							





PRIOR TO GC COMMENCING WORK ON SITE, SMITHSONIAN STAFF WILL REMOVE ALL ARTICLES, OBJECTS, AND EXHIBITRY TO BE KEPT AND STORED BY MUSEUM. ANY ITEMS LEFT IN EXHIBIT ARE TO BE REMOVED BY GC, EXCEPT FOR THE GUNBOAT PHILADELPHIA AND ITEMS NOTED TO BE SALVAGED.

BUILD PROTECTIVE BOX AROUND THE GUNBOAT PHILADELPHIA PRIOR TO STARTING OTHER WORK, EXCEPT FOR ARTICLES THAT MUST BE REMOVED TO BUILD THE PROTECTION. SUBMIT WORK PLAN TO COTR FOR REVIEW AND APPROVAL. REFER TO DETAILS ON A401.

DEMO ENTIRE LOWER MEZZANINE STRUCTURE & PARAPET. RELOCATE DUCTS, CONDUIT, AND PIPING BELOW MEZZANINE

PROTECT GUNBOAT WITH FRT PLYWOOD ON FRT WOOD FRAMING & ALL SIDES AND ROOF. ROOF MUST SUPPORT 4.8 kPa (100 PSF) LIVE LOADING. PROVIDE VENTS EACH END; SEE DETAIL ON A-401EP.

> PROVIDE TEMPORARY CONSTRUCTION PARTITION UNTIL NEW PERIMETER WALLS, WINDOWS, AND DOORS ARE ERECTED. BUILD CONSTRUCTION BARRIER FROM FLOOR TO CEILING. PROVIDE PAIR DOORS, 915 mm x 2134 mm (3'-0" x 7'-0"), FRAME, AND HASP WITH PADLOCK. COORDINATE LOCATION W/ COTR

EXISTING TO REMAIN WALL

DEMO WALL. HEIGHTS VARY

OUTLINE OF OBJECT TO BE DEMOED

ETR WON-DOOR - HORIZONTAL SLIDING FIRE ZONE SEPARATION

LIMITS OF WORK (SEE MEP FOR REMOTE AREAS)

DEMO ANNOTATION. SEE SHEET NOTES.

SHEET NOTES

0201 EXHIBITRY REMOVED BY SMITHSONIAN IN ADVANCE OF WORK. 0202 DEMO RAIL SUPPORT (RAIL REMOVED) PRIOR TO BUILDING PROTECTION AROUND BOAT.

0204 DEMO +/- 4000 mm HIGH OVERHEAD ROLLING DOOR W/ S/S CLOSURE PLATE ABV, HT +/- 4000 mm (13'-1")

0205 DEMO CABINETRY IN SHOP AREA.

0207 DEMO SCREEN WALL - GWB ONE SIDE STL STUDS, HT = +/- 4000mm

0208 DEMO LIGHT SHELF & METAL SHELF SUPPORT SLATS (SHELVES REMOVED) DEMO 76mm FURRING W/ GWB FINISH

0210 DEMO STEPS BETWEEN MEZZANINE LEVELS. DEMO LANDINGS AT UPPER MEZZANINE.

0211 DEMO LIFTS BETWEEN MEZZANINE LEVELS. DEMO LANDINGS AT UPPER MEZZANINE.

0212 MODEL & CASE REMOVED BY SMITHSONIAN.

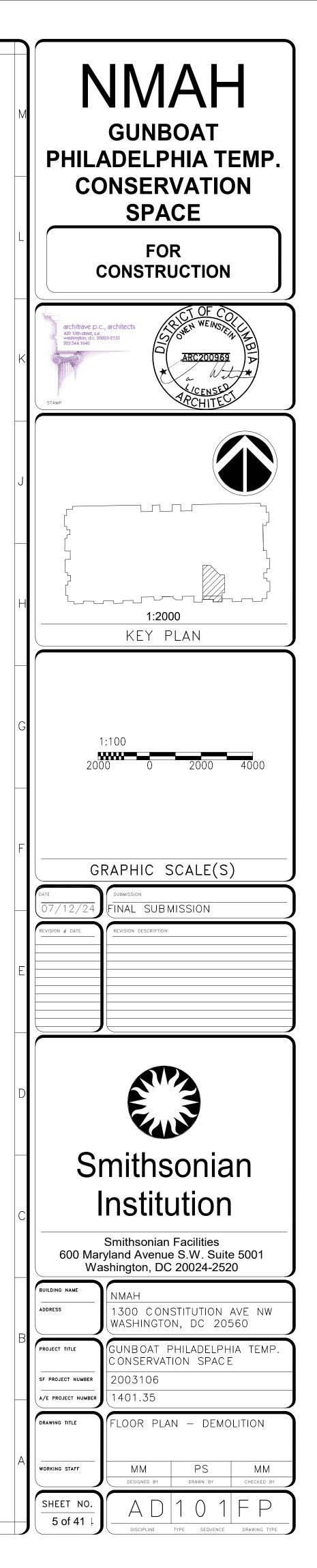
0213 REMOVE WOOD & GLASS CABINETS.

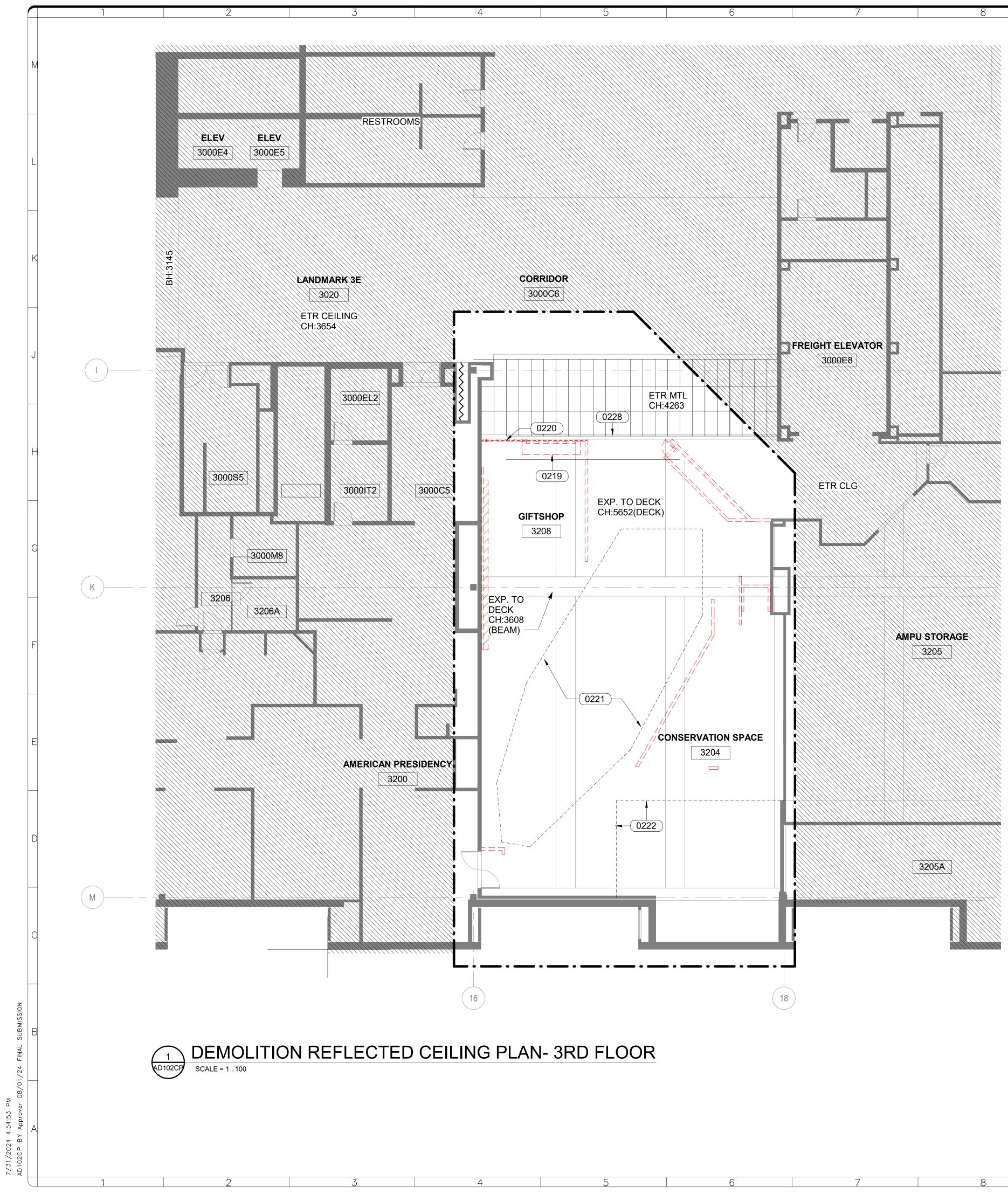
0214 ETR UPPER MEZZANINE & PARAPET. DEMO WOOD CAP FOR WALL EXTENSION.

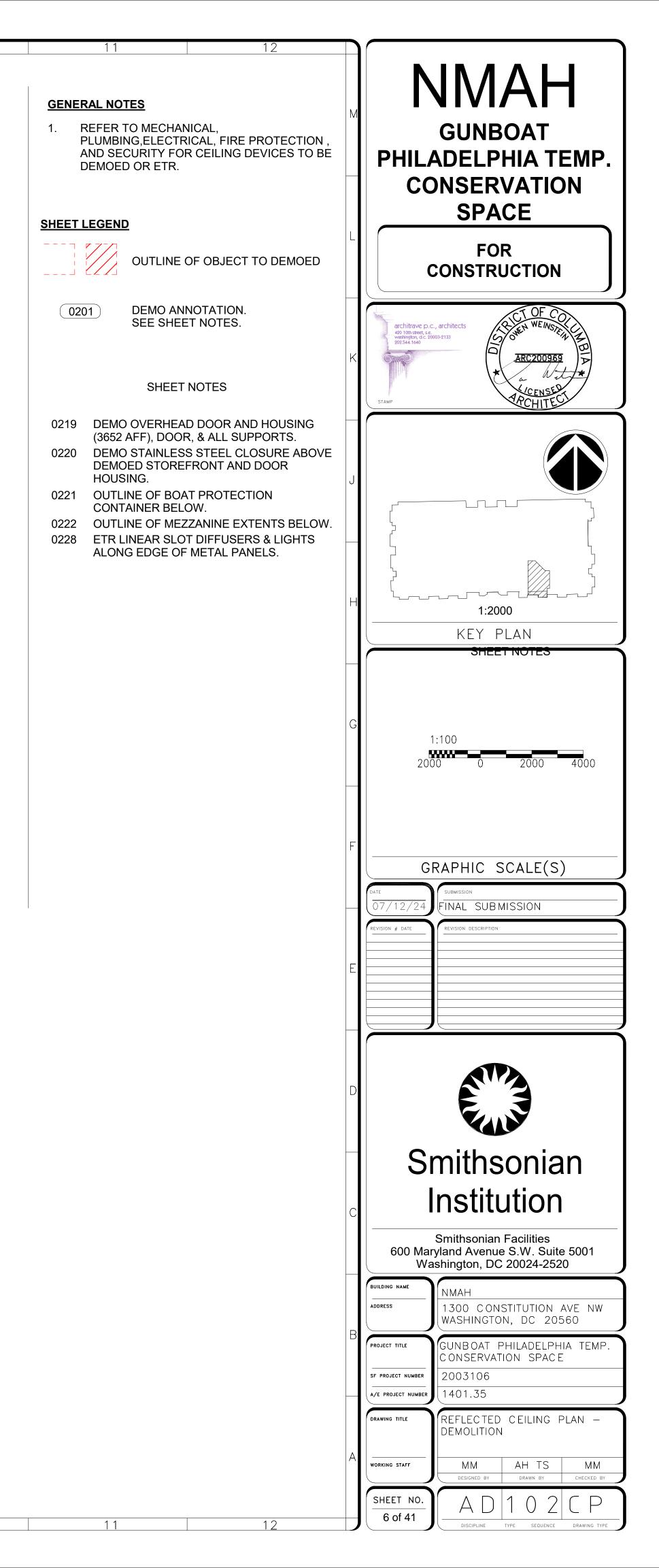
0215 DEMO ALL CARPET FLOORING IN GIFTSHOP AND GUNBOAT PHILADELPHIA EXHIBIT. CARPET ETR AT MEZZANINE.

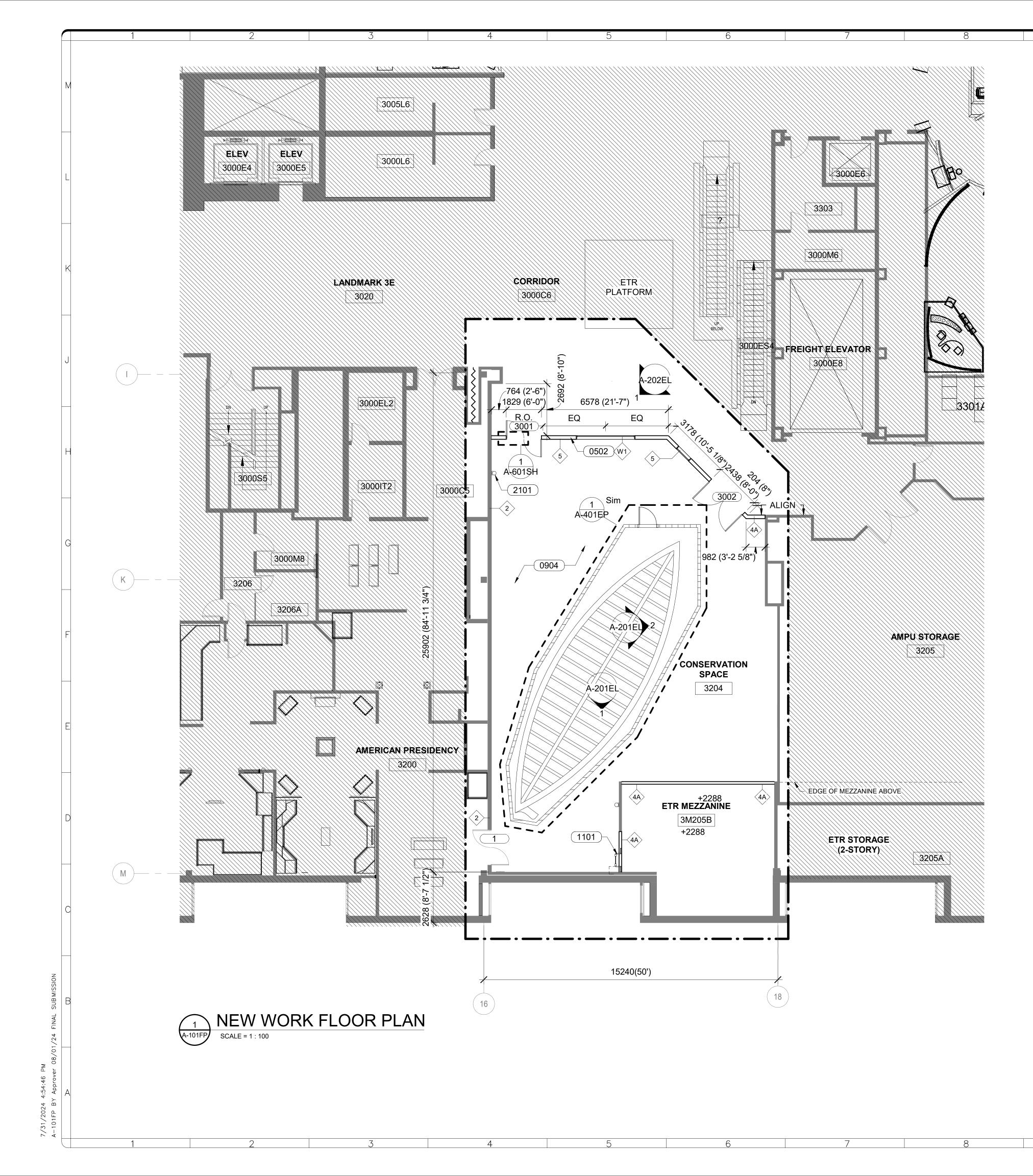
0216 DEMO WALLS AT EXHIBIT PERIMETER AND AT AV CLOSET; GWB EA SIDE STL STUDS, HT +/- 3600 mm (11'-10") CAREFULLY DEMO GWB TO UNCOVER AND REMOVE GLASS SHEET AND BARBED WIRE DISPLAY MATERIAL. DISPOSE OF MATERIALS PER SECTION 01000. DOCUMENT LOCATION OF EXHIBIT PERIMETER WALL TO BUILD AND EXTEND NEW PERIMETER WALL IN SAME LOCATION.

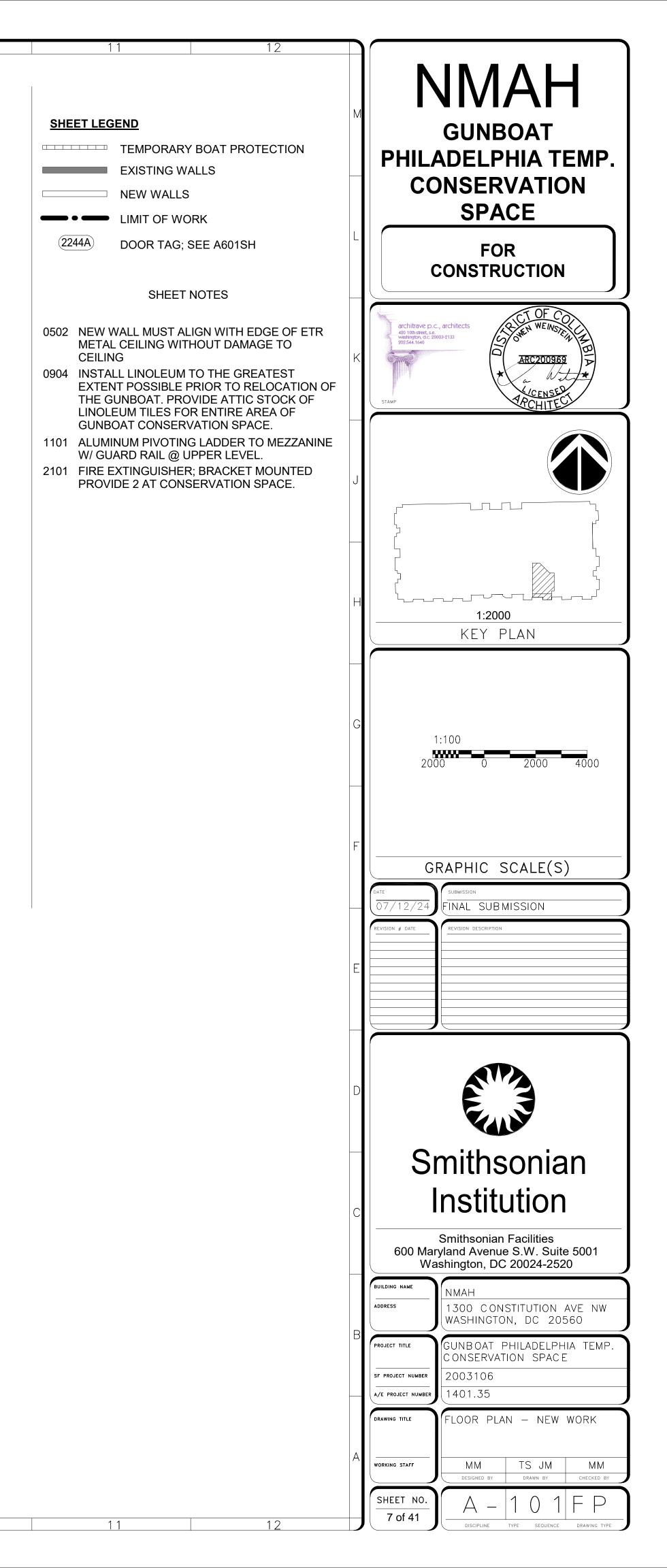
0218 DEMO CONCRETE STAIRWAY AND SIDE WALL. DO NOT REMOVE OR DAMAMGE ETR WEST WALL OF 3204C BELOW MEZZANINE. 0229 COORDINATE TEMPORARY REMOVAL AND PROTECTION OF EXISTING VIDEO MONITOR WITH SI A/V TEAM.

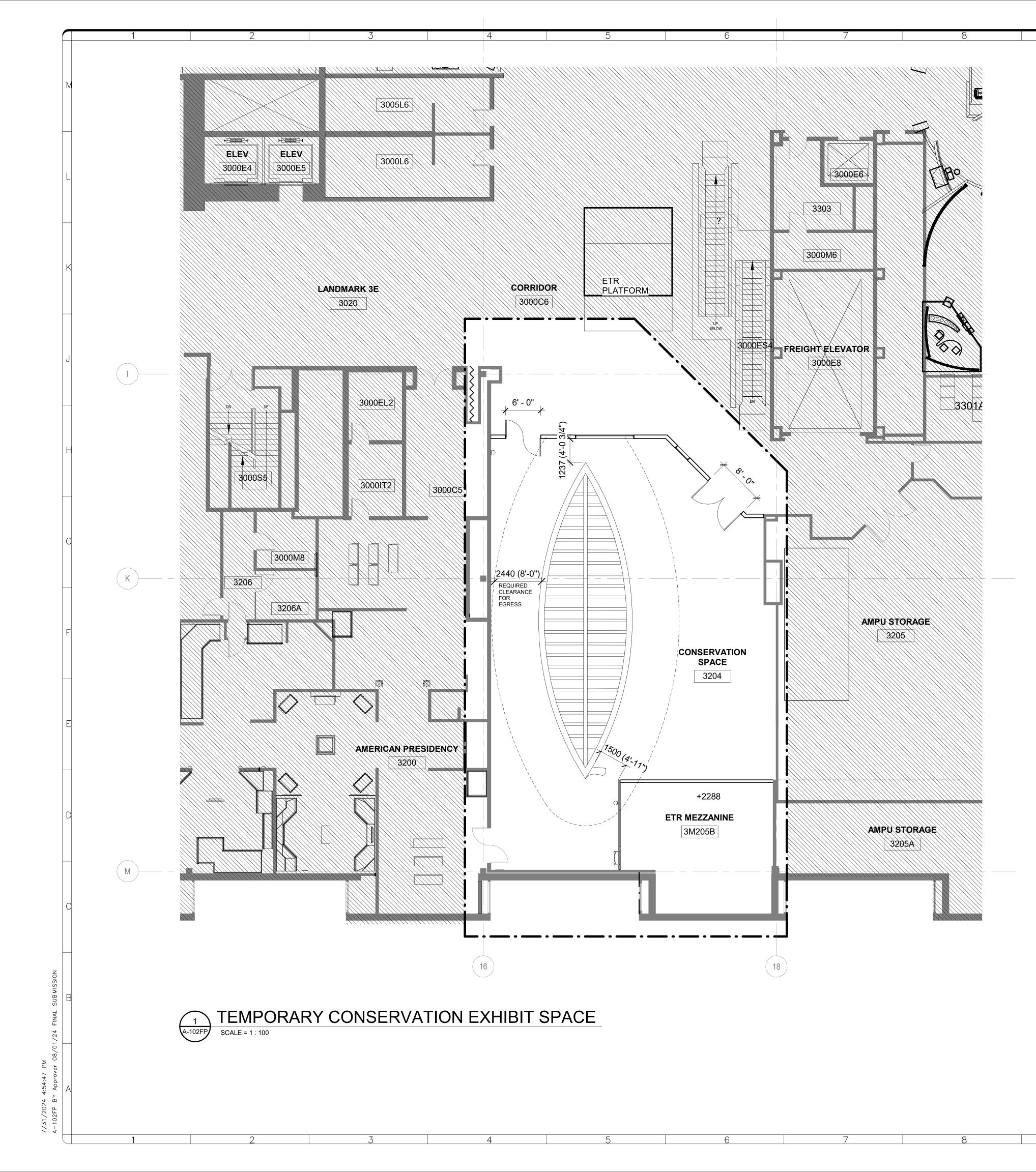


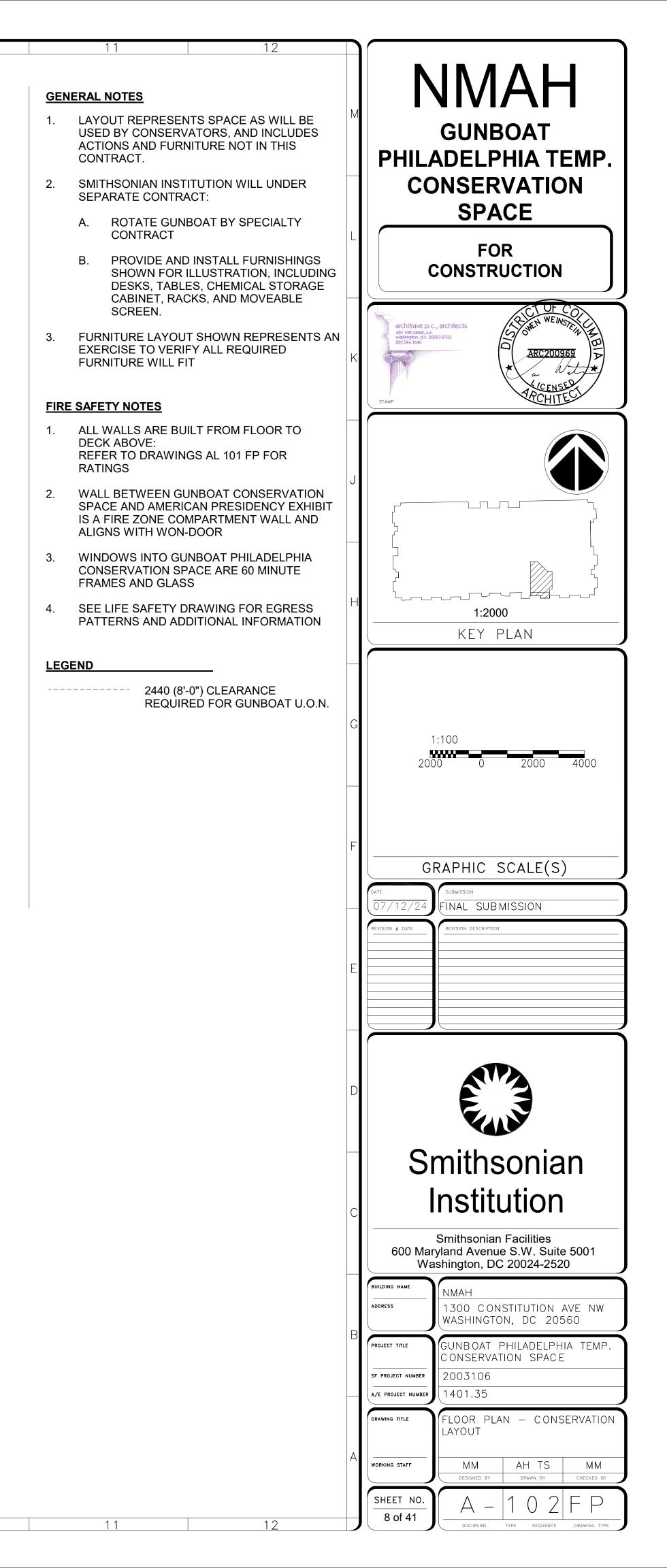


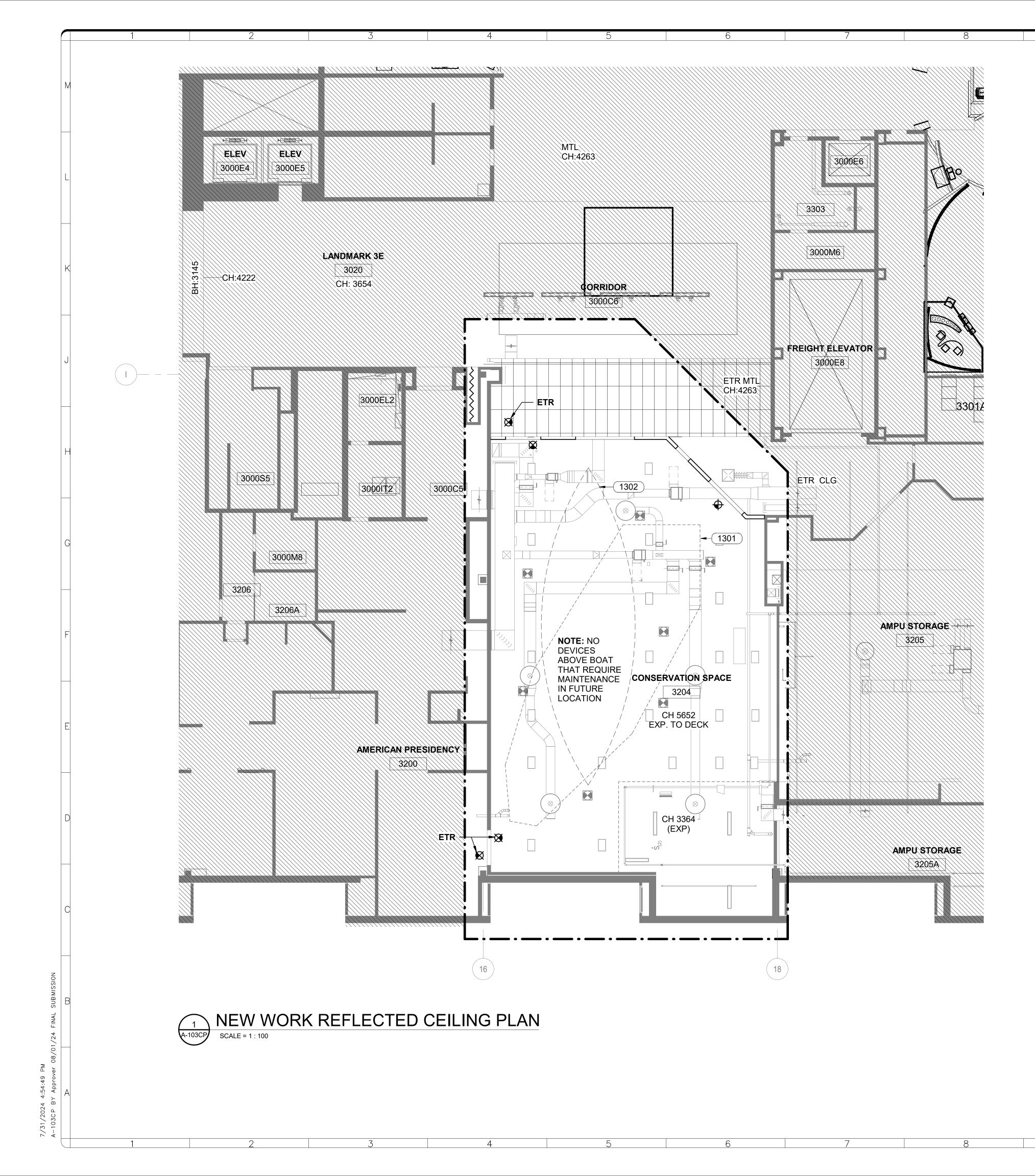


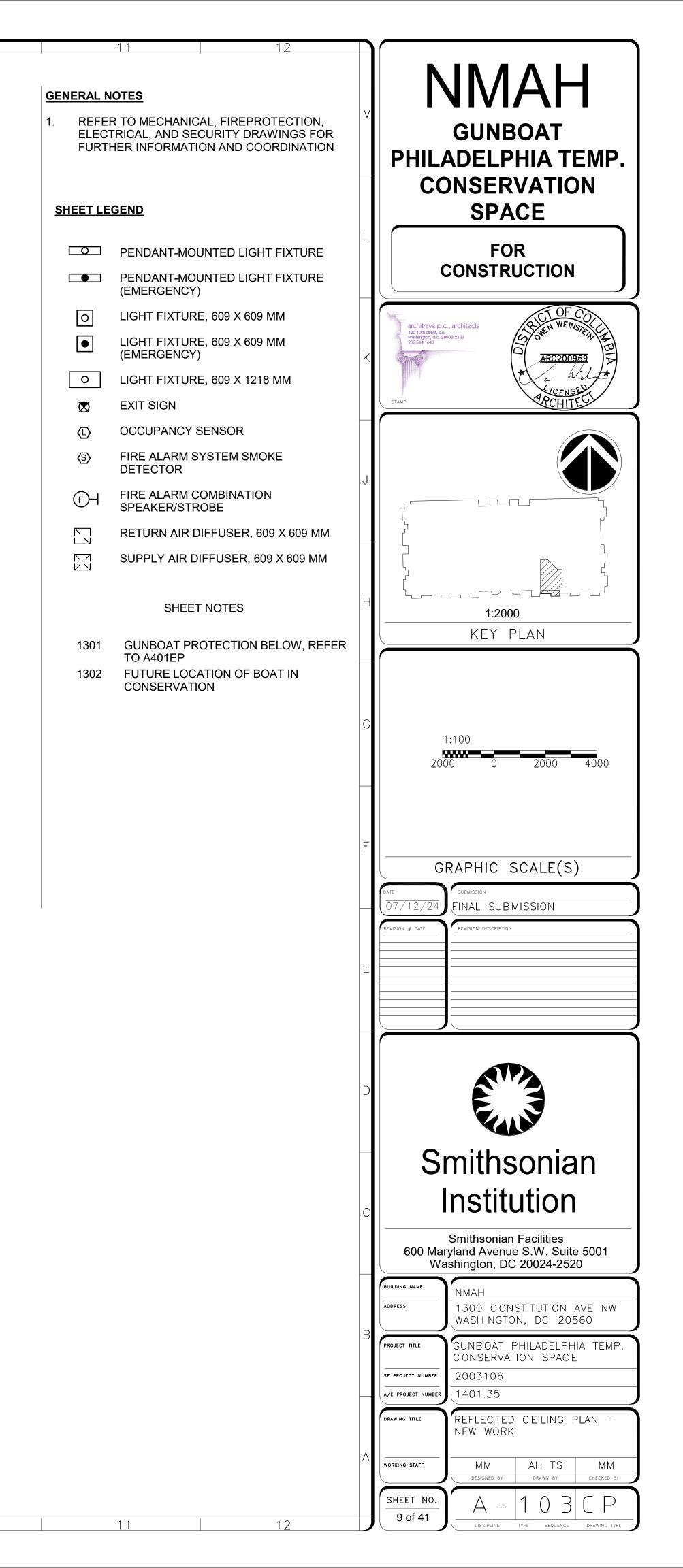


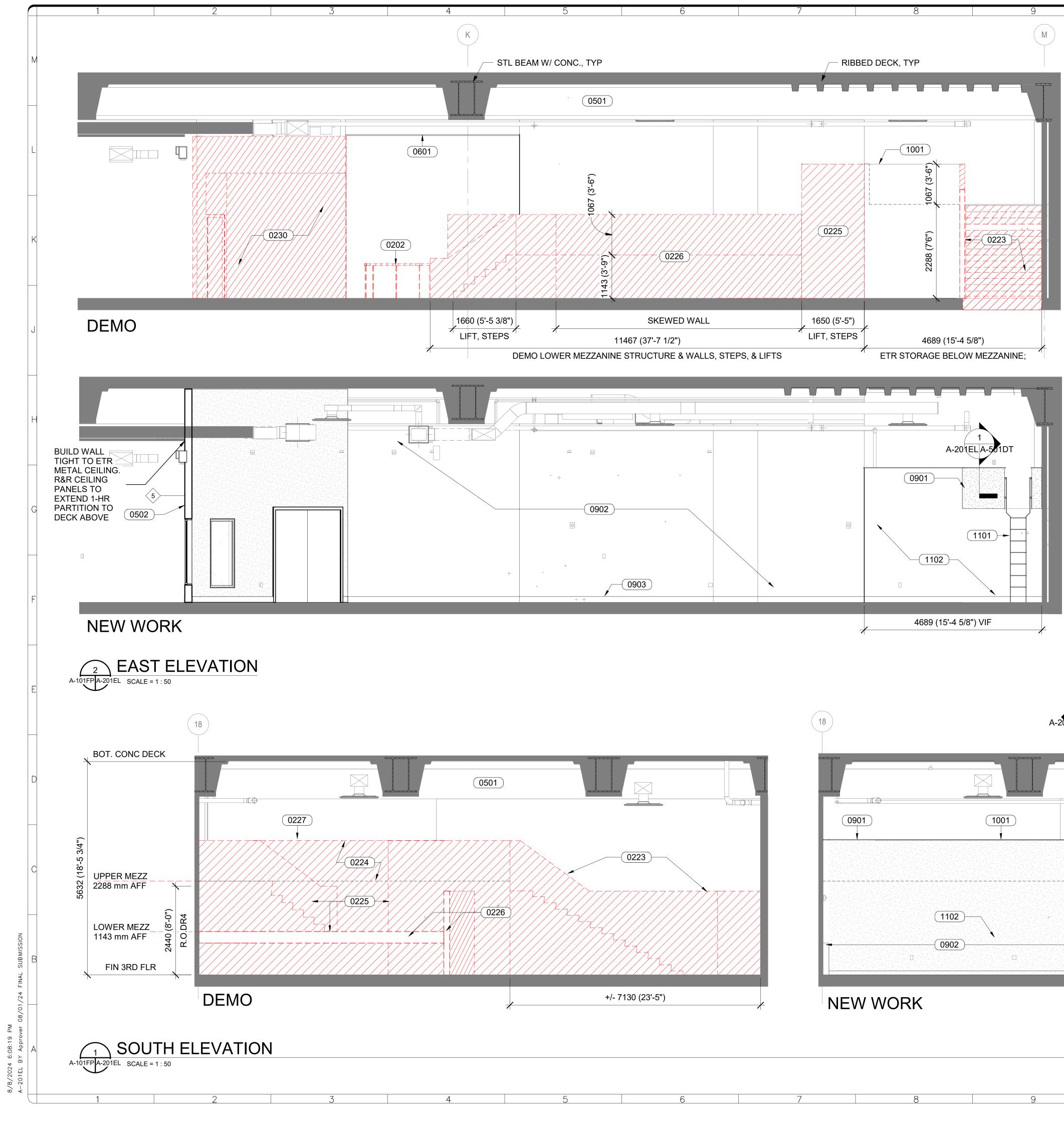


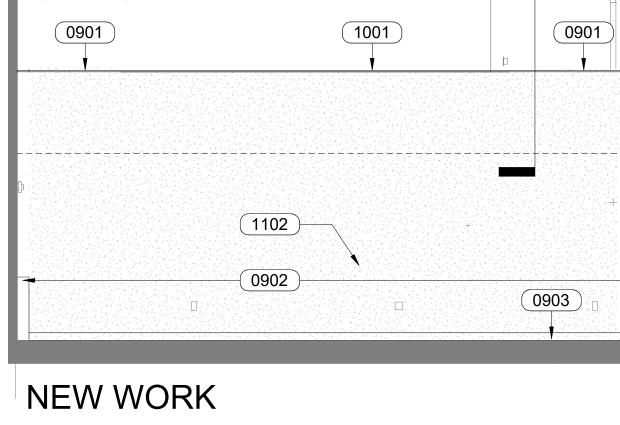


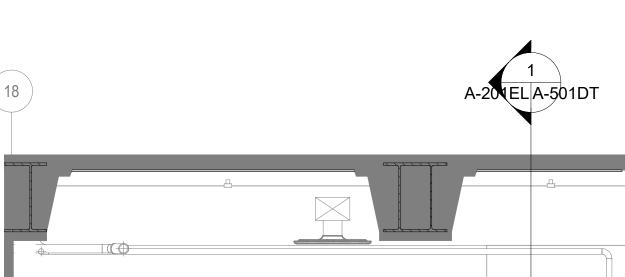


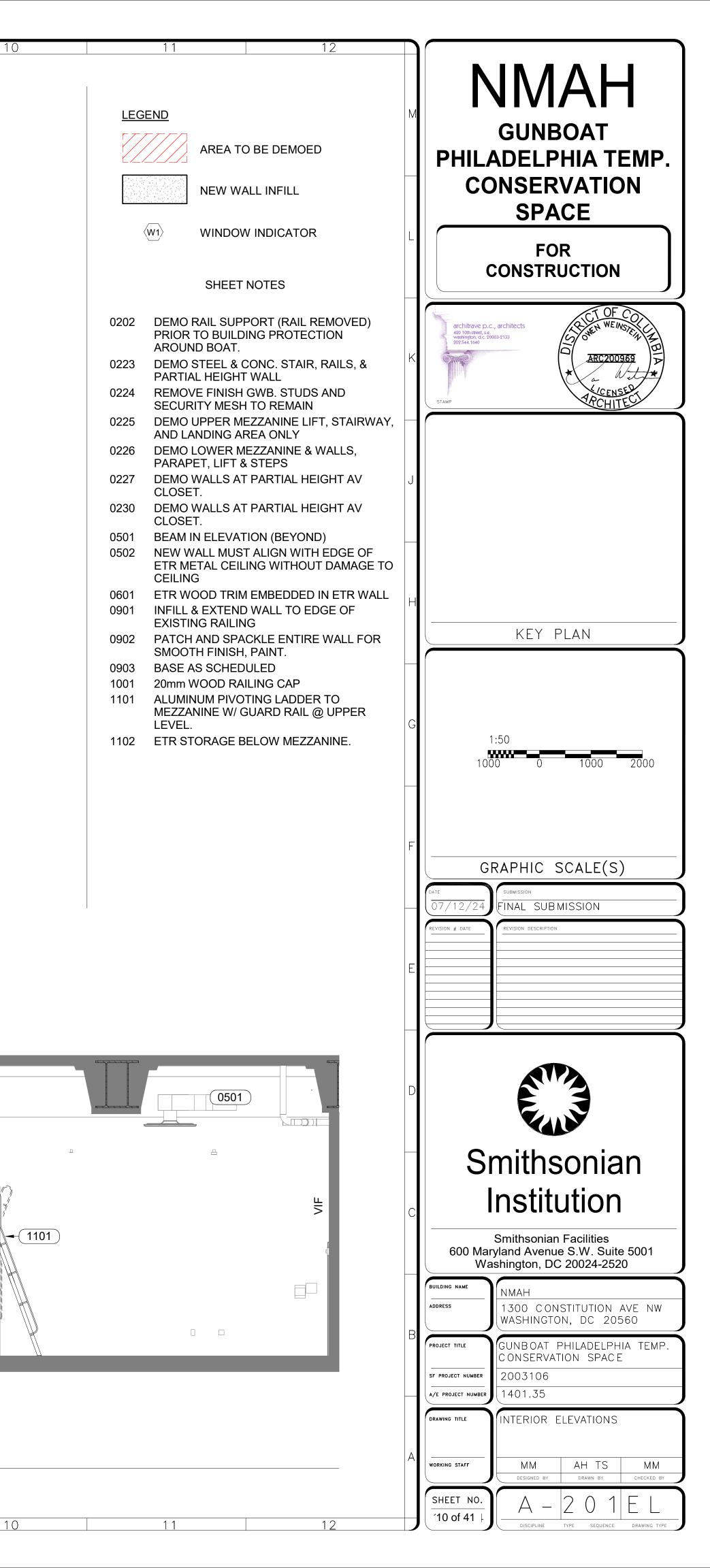


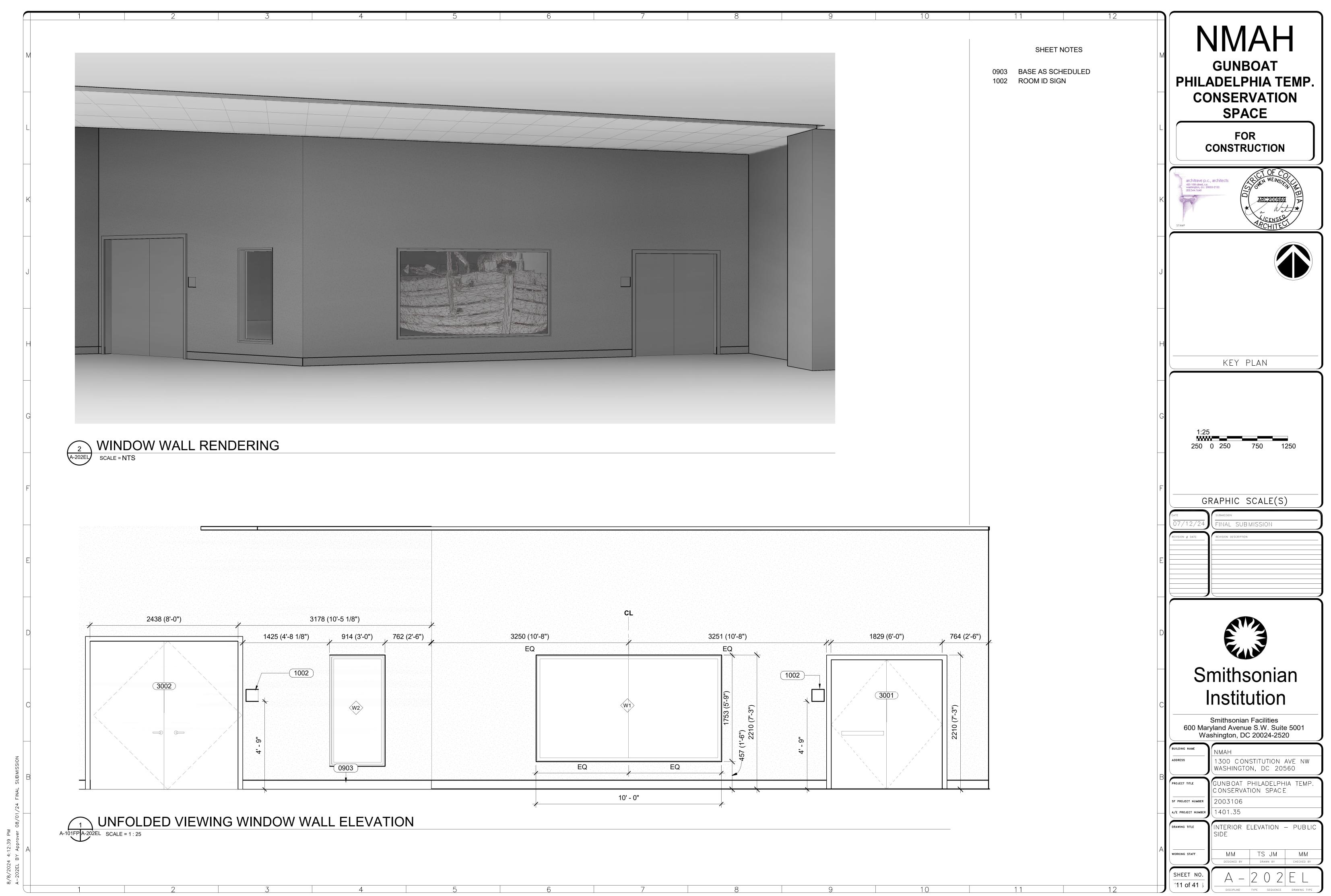


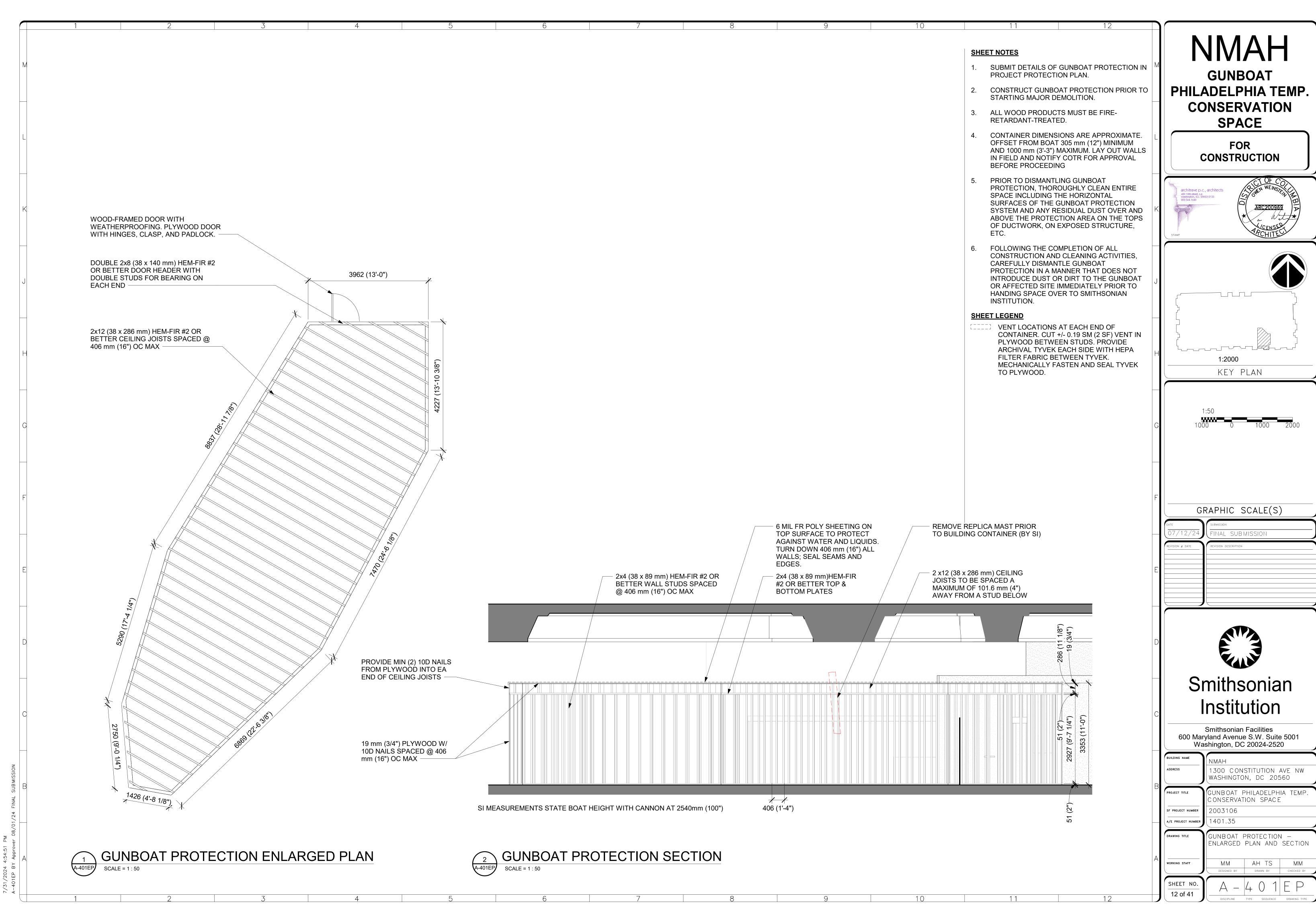


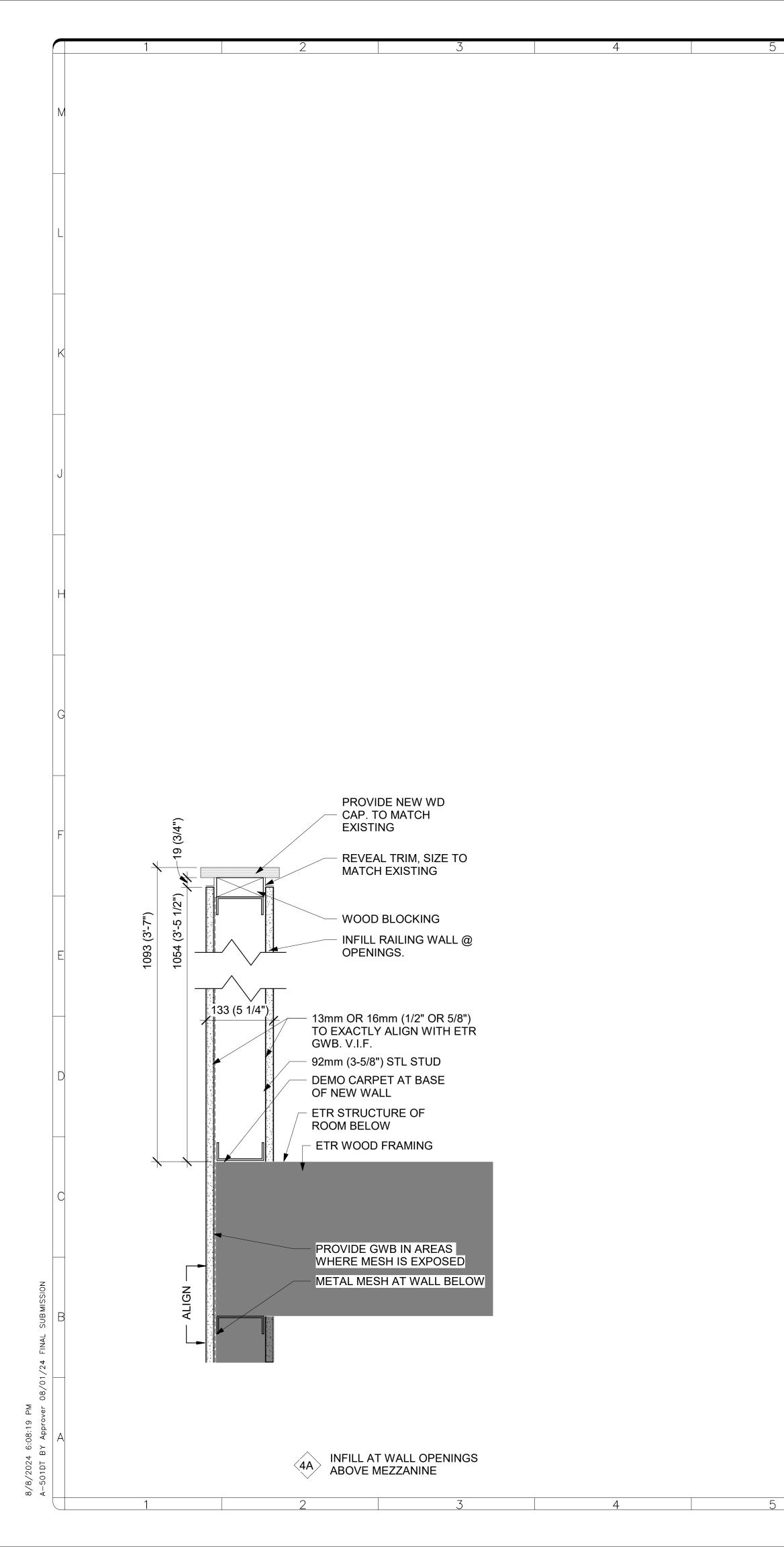


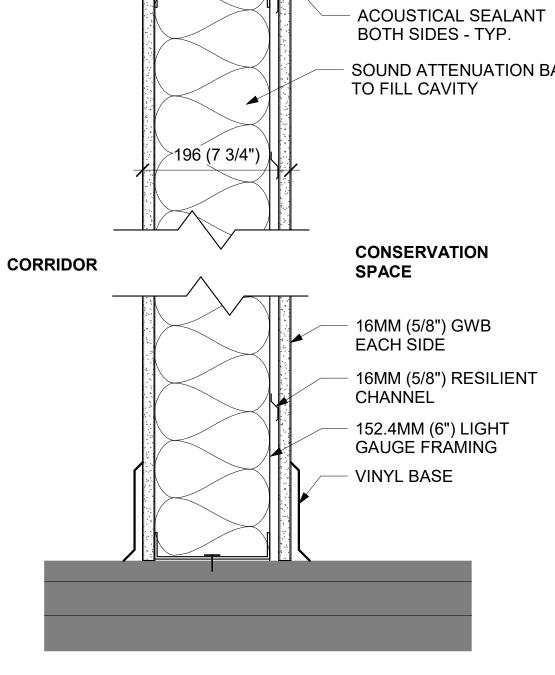






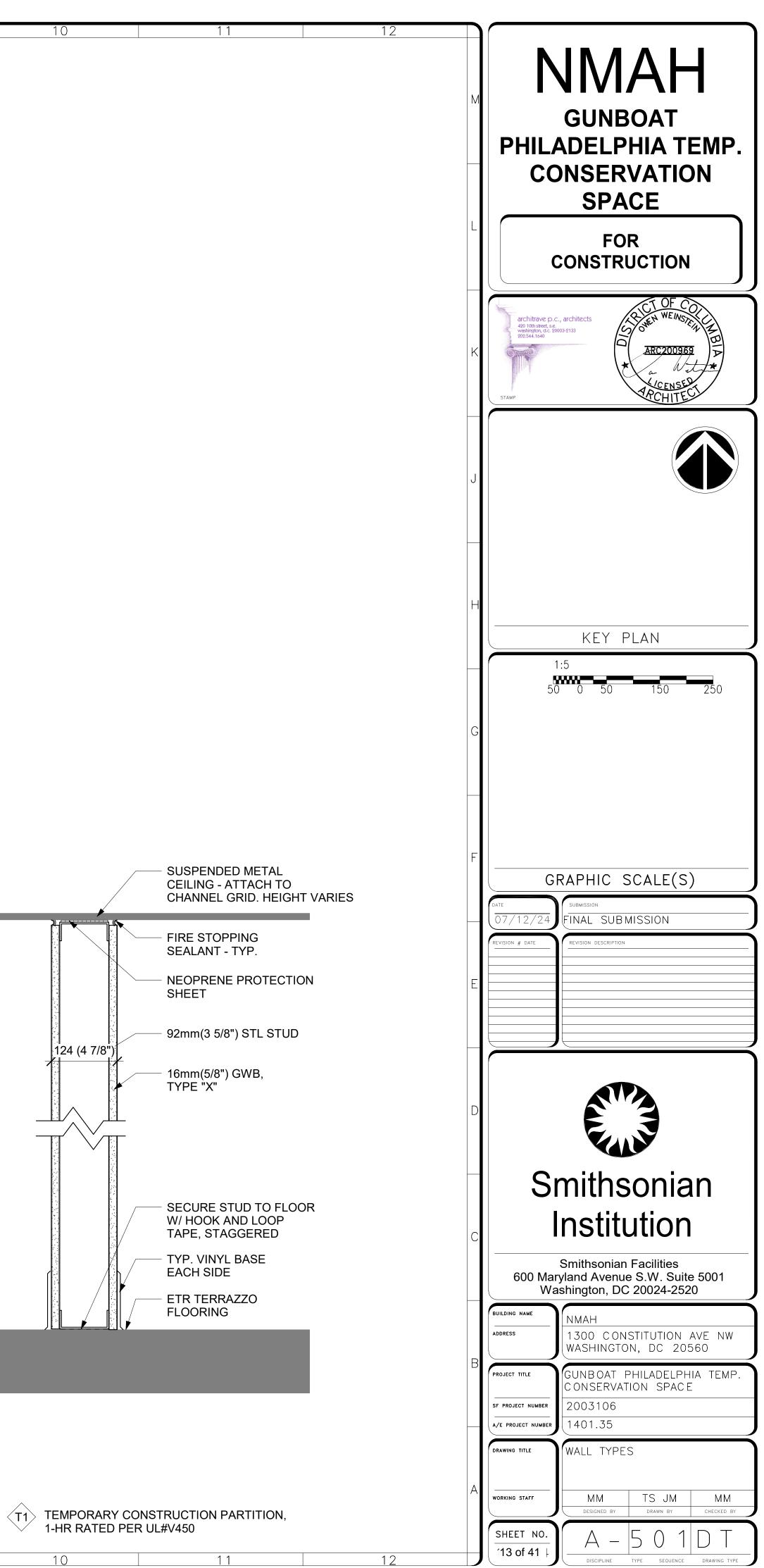


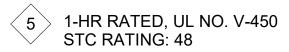


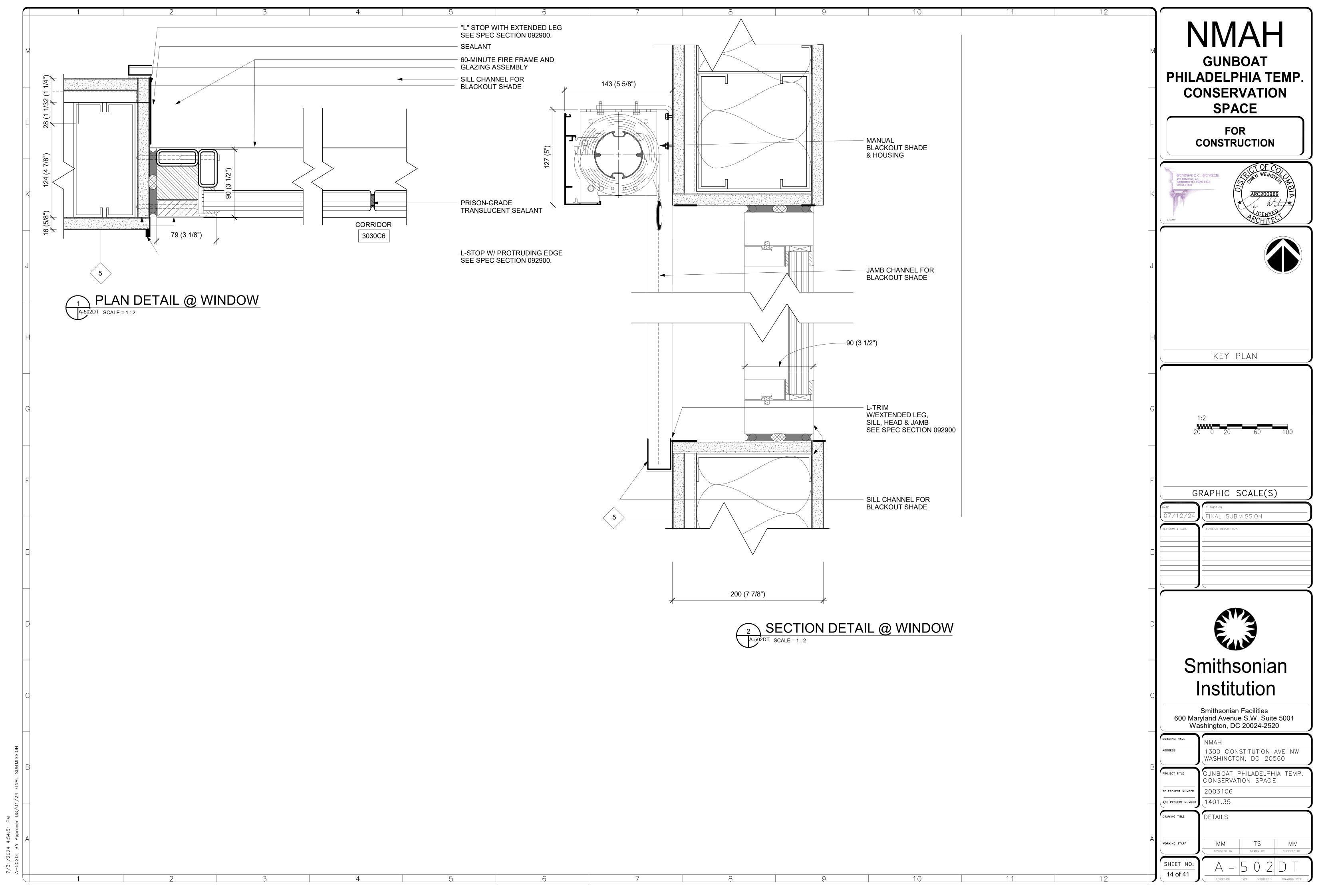




SOUND ATTENUATION BATT

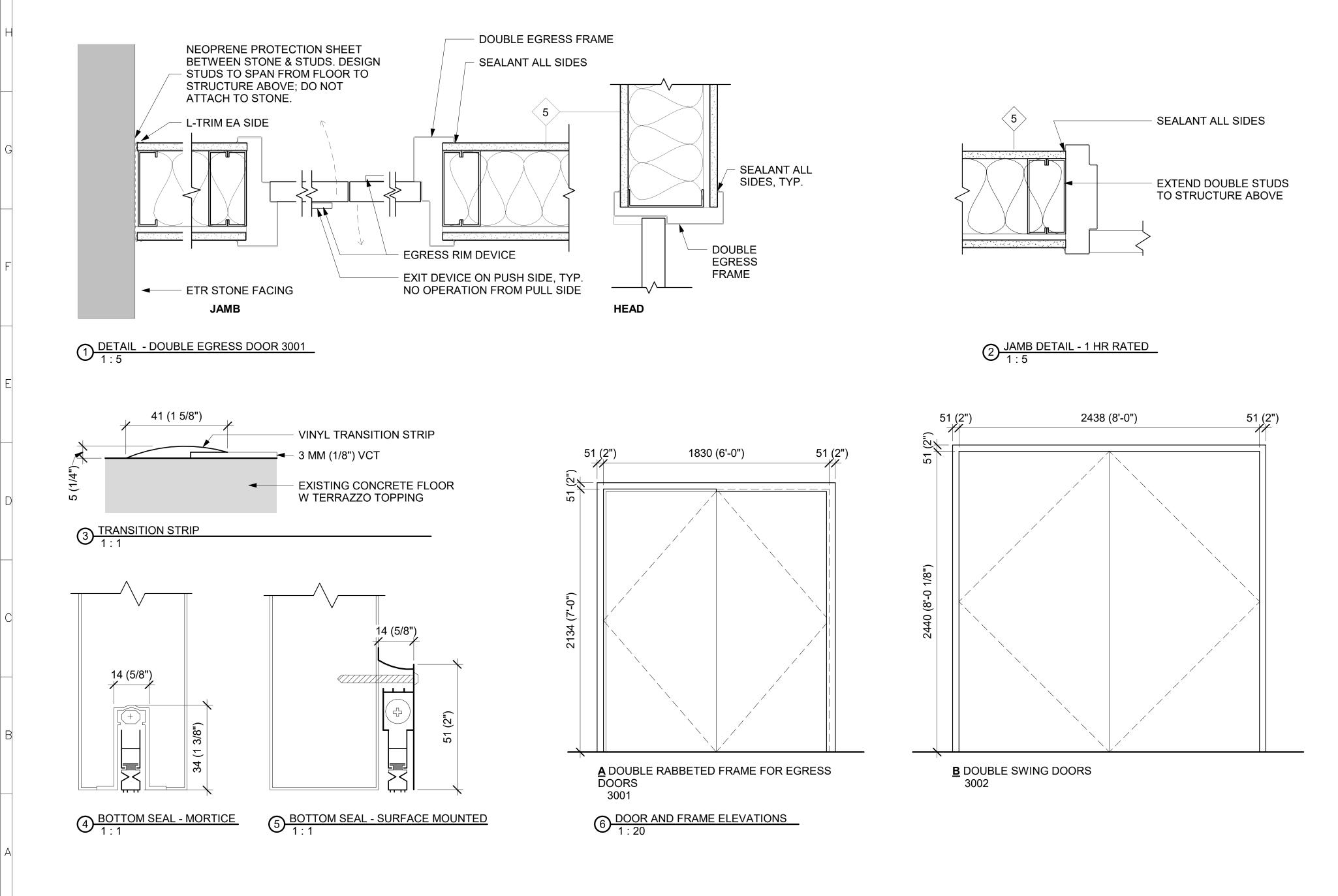






							I	ROOM FIN	ISH SCHEDULE					
		FLOOR		BAS	SE				WALL			CEILING		
ROOM NO	ROOM NAME	MAT.	NORTH	EAST	SOUTH	WEST	NORTH	EAST	SOUTH	WEST	MAT.	HEIGHT	REMARKS	
3M205B	ETR MEZZANINE	ETR CARPET	ETR	ETR	ETR	ETR	GWB, PT-2	GWB, PT-2	GWB , PT-2	PLASTER, PT-2	EXP.	3364 VARIES		
3000C6	CORRIDOR	ETR	ETR	ETR	6" VINYL @ 3204	ETR	ETR	ETR	GWB, PT-1 @ 3204	N.A	ETR	VARIES		
3020	LANDMARK 3E	ETR	ETR	ETR	6" VINYL @ 3204	ETR	ETR	ETR	GWB, PT @ 3204	N.A.	ETR	3962 (13'-0")		
3204	CONSERVATION SPACE	RES TILE ON ETR WD & TER	VINYL	VINYL	4" VINYL	VINYL	GWB, PT-2	GWB, PT-2	GWB , PT-2	PLASTER, PT-2	APC	3962 (13'-0")		

											DOO	R SCHE	DULE			
	DOOR								F	FRAME						
DOOR			SIZE				BOTTOM		MATERIA		DET	AILS		FIRE		
NUMBER	ELEV	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	SEAL	ELEV	L	FINISH	HEAD	JAMB	SILL	RATING	HDW	REMARKS
1	ETR	915 (PR)	2134	44	H.M.	PT	5	Α	H.M.	PT	EX	EX	TS	ETR 90	5	ETR DOUBLE EGRESS
														MIN		
3001	Α	1829(PR)	2134	44	H.M.	PT	4	А	H.M.	PT	1	1	TS	45 MIN		DOUBLE EGRESS
3002	В	1219(PR)	2440	44	H.M.	PT		В	H.M.	PT	1 SIM	2	TS	45 MIN		DOUBLE LEAF DOOR



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SHEET KEY

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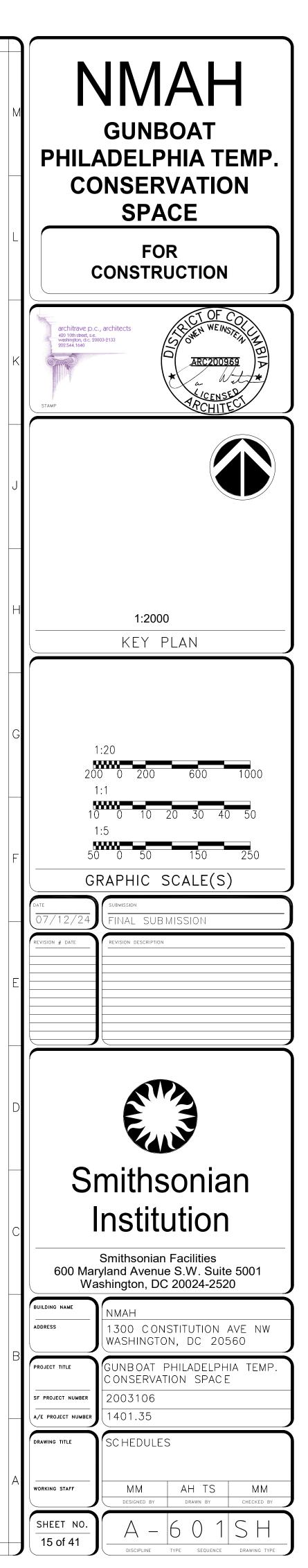
APC	ACOUSTIC PANEL CEILING & GRID
GWB	GYPSUM WALL BOARD
EXP	EXPOSED (NO CEILING)
MPC	METAL PANEL CEILING & GRID
PT	PAINT TO BE SELECTED BY COTR FROM
	MNFR'S FULL RANGE
TERR	TERRAZZO
WD	WOOD (RANDOM OAK BOARDS)

WINDOW TYPES

WINDOW AND FRAME ASSEMBLY; SEE 2/A202EL. PROVIDE MANUAL BLACK-OUT SHADE.

WALL TYPES

5 WALL ASSEMBLY; SEE A501DT



M		WORK SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF THE LOCAL BUILDING DEPARTMENT, AND THE INTERNATIONAL BUILDING CODE, 2018.	AGENCY TO PERFORM THE SERVICES SPEC A. MINIMUM SERVICES PROVIDED SHALL F
M 	В.		
		ALL CODES, REFERENCES AND STANDARDS REFERRED TO SHALL BE THE CURRENT VERSION UNLESS A DIFFERENT VERSION IS LISTED IN THE BUILDING CODE.	THE LOCAL JURISDICTION. B. FAILURE TO RETAIN A TESTING AGENC FAILURE TO SUBMIT SIGNED AND SEAL
			NON-COMPLIANCE WITH CONTRACT DC C. CONSTRUCTION CONSIDERED NON-COM
		AND LOADING CRITERIA EXISTING LIVE LOAD CAPACITIES	REPLACED. D. ALL INSPECTION SHALL BE UNDER TH
L		1. THE EXISTING ALLOWABLE LIVE LOAD CAPACITIES ARE AS FOLLOWS: GALLERY SPACE = 100 PSF.	LICENSED TO PRACTICE IN THE LOCAL E. PRELIMINARY HANDWRITTEN SITE VISIT SHALL BE PROVIDED TO THE CONTRAC
_		 TEMPORARY SHORING AND/OR BRACING SHALL BE PROVIDED WHEREVER THE LOADING FROM THE CONTRACTOR'S WORK EXCEEDS THE ALLOWABLE LOAD CAPACITIES OF THE EXISTING STRUCTURE. 	TO LEAVING JOB SITE. F. FINAL REPORTS SHALL BE SUBMITTED NO LATER THAN TEN (10) DAYS FOLL
	LIGHT G	AGE METAL FRAMING	THE NAME AND SIGNATURE OF THE IN SIGNATURE OF THE PROFESSIONAL EN
К	Α.	LIGHT GAGE METAL FRAMING SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE "SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS," NAS-07 WITH 2010 SUPPLEMENT.	INSPECTION. G. INSPECTION SHALL MINIMALLY INCLUDE 1. CONCRETE: ALL STRUCTURAL CON PLACEMENT, AND CONCRETE ADDI
J	В.	PROVIDE DESIGN AND DETAILING FOR LIGHTGAGE FRAMING AND SUBMIT CALCULATIONS AND SHOP DRAWINGS UNDER THE SEAL AND SIGNATURE OF AN ENGINEER LICENSED TO PRACTICE IN THE LOCAL JURISDICTION. DESIGN LIGHT GAGE MEMBERS IN ACCORDANCE WITH MANUAL OF THE LIGHT GAGE STRUCTURAL INSTITUTE, "LIGHT GAGE STRUCTURAL STEEL FRAMING SYSTEM DESIGN HANDBOOK." THE SUBMISSION SHALL ALSO INCLUDE:	
		 CROSS-SECTIONS, PLANS AND ELEVATIONS. CONNECTION DETAILS SHOWING REQUIRED SCREWS/WELDS/PAF'S. 	
		 FLOOR TO FLOOR ELEVATIONS. DIMENSIONS. DDIDONIO - CONTIONS 	
Н	C.	5. BRIDGING LOCATIONS. LIGHTGAGE FRAMING MEMBERS: SHALL BE IN ACCORDANCE WITH ASTM A-653, FY = 33,000 PSI MIN.	
_	D.	ALL WELDING SHALL BE IN ACCORDANCE WITH THE "AMERICAN WELDING SOCIETY D.1.3, 1998 STRUCTURAL WELDING CODE FOR SHEET STEEL." MIN. 14 GAUGE MEMBERS SHALL BE USED AT WELDED CONNECTIONS. ALL WELDS SHALL BE TOUCHED UP WITH ZINC RICH PAINT.	
	E.	ALL AXIALLY LOADED STUDS SHALL HAVE FULL BEARING INSIDE TRACK WEB PRIOR TO ATTACHMENT. NO SPLICES IN LOADED STUDS ARE PERMITTED.	
G	F.	WALL STUD BRACING SHALL BE INSTALLED AT THIRD POINTS IN ALL BEARING PARTITIONS; AT MID-HEIGHT IN NON-LOAD BEARING PARTITIONS.	
	G.	JOISTS SHALL BE LOCATED DIRECTLY OVER BEARING STUDS, OR A LOAD DISTRIBUTION MEMBER SHALL BE PROVIDED AT THE TOP TRACK.	
	Н.	DOUBLE STUDS AND WEB STIFFENERS SHALL BE PROVIDED AT ALL JOIST HEADER	
	١.	BEARING POINTS. END BLOCKING SHALL BE PROVIDED WHERE JOIST ENDS ARE NOT OTHERWISE	
F	J.	RESTRAINED FROM ROTATION. ALL LIGHT GAGE FRAMING SHALL BE DESIGNED BY THE MANUFACTURER'S ENGINEER FOR THE CODE REQUIRED LOADS. SHOP DRAWINGS SHALL BE PREPARED UNDER AND STAMPED BY THE CONTRACTOR'S PROFESSIONAL ENGINEER REGISTERED IN THE PROJECT JURISDICTION SUBMITTED TO THE COTR	
_	К.	FOR APPROVAL. INTERIOR WALLS STUDS: MAX SPACING = 24 " MAX DEFL = $L/360$	
E	GENERAI	VERTICAL SPAN TO 10'-0": MIN. WEB = $3.5/8$ " PER ARCHITECTURAL DRAWINGS.	
_		- INFORMATION SHOWN REGARDING EXISTING CONDITIONS HAS BEEN OBTAINED BY LIMITED VISUAL OBSERVATIONS AND/OR FROM EXISTING DRAWINGS PROVIDED BY THE COTR. AREAS NOT VISIBLE HAVE BEEN ASSUMED TYPICAL WITH OBSERVED EXISTING CONDITIONS.	
D	В.	MEASURE AND PROVIDE ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE JOB SITE PRIOR TO CONSTRUCTION AND THE SUBMISSION OF SHOP DRAWINGS, AND NOTIFY THE COTR IMMEDIATELY OF ANY DISCREPANCIES. VERIFICATION AND NOTIFICATION SHALL PROCEED 2 WEEKS PRIOR TO THE START OF WORK SO THAT ANY NECESSARY CHANGES CAN BE MADE WITHOUT DELAYING THE PROJECT SCHEDULE.	
	C.	DETAILS, SECTIONS, AND NOTES SHOWN ON THESE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR CONDITIONS ELSEWHERE UNLESS OTHERWISE SHOWN OR NOTED.	
С	D.	SHOP DRAWINGS SUBMITTED TO THE COTR SHALL BEAR THE CONTRACTOR'S STAMP, DATE AND SIGNATURE VERIFYING DOCUMENTS HAVE BEEN REVIEWED AND CORRECTED FOR CONFORMANCE TO AND COORDINATION WITH CONTRACT DOCUMENTS.	
	E.	FABRICATION SHALL PROCEED ONLY AFTER SHOP DRAWING APPROVAL BY THE COTR.	
	F.	DO NOT REPRODUCE ANY PORTION OF CONTRACT DOCUMENTS IN THE SHOP DRAWINGS.	
в	G.	INSPECTION REPORTS AND MATERIALS TESTING REPORTS SHALL BE SUBMITTED TO THE COTR IN A TIMELY MANNER SUCH THAT CONSTRUCTION DELAY WILL BE AVOIDED.	
	Н.	MEANS AND METHODS OF CONSTRUCTION ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.	
	Ι.	WHERE THE CONTRACTOR IS REQUIRED TO ENGAGE A PROFESSIONAL ENGINEER TO DESIGN AND SUBMIT CALCULATIONS, AND WHERE THE PROFESSIONAL ENGINEER PREPARES THE CALCULATIONS USING A COMPUTER SOFTWARE SYSTEM, THE SOFTWARE SHALL BE A READILY AVAILABLE, INDUSTRY STANDARD	
A		STRUCTURAL ENGINEERING COMMERCIAL SYSTEM IN COMMON USE.	

5 6 . RETAIN THE SERVICES OF A TESTING AND INSPECTION THE SERVICES SPECIFIED.

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PROVIDED SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ICTION.

A TESTING AGENCY TO PROVIDE REQUIRED SERVICES OR A SIGNED AND SEALED REPORTS SHALL BE CONSIDERED WITH CONTRACT DOCUMENTS.

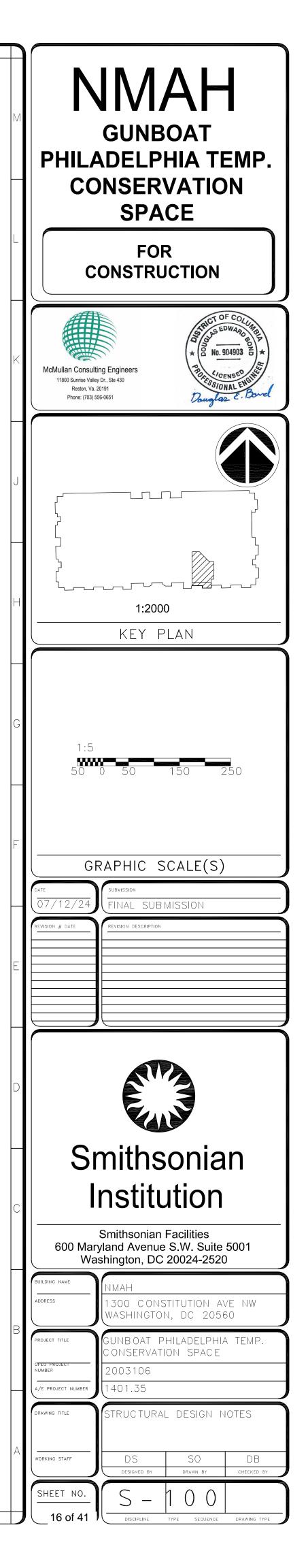
NSIDERED NON-COMPLIANT SHALL BE REMOVED AND

HALL BE UNDER THE DIRECTION OF A PROFESSIONAL ENGINEER CTICE IN THE LOCAL JURISDICTION.

WRITTEN SITE VISIT REPORTS CONFIRMING VERBAL DISCUSSIONS ED TO THE CONTRACTOR ON RESULTS OF INSPECTIONS PRIOR

ALL BE SUBMITTED TO THE COTR IN A TIMELY MANNER, BUT EN (10) DAYS FOLLOWING INSPECTION OR TESTING. UNDER SNATURE OF THE INSPECTOR AND LICENSURE SEAL AND PROFESSIONAL ENGINEER RESPONSIBLE FOR TESTING AND

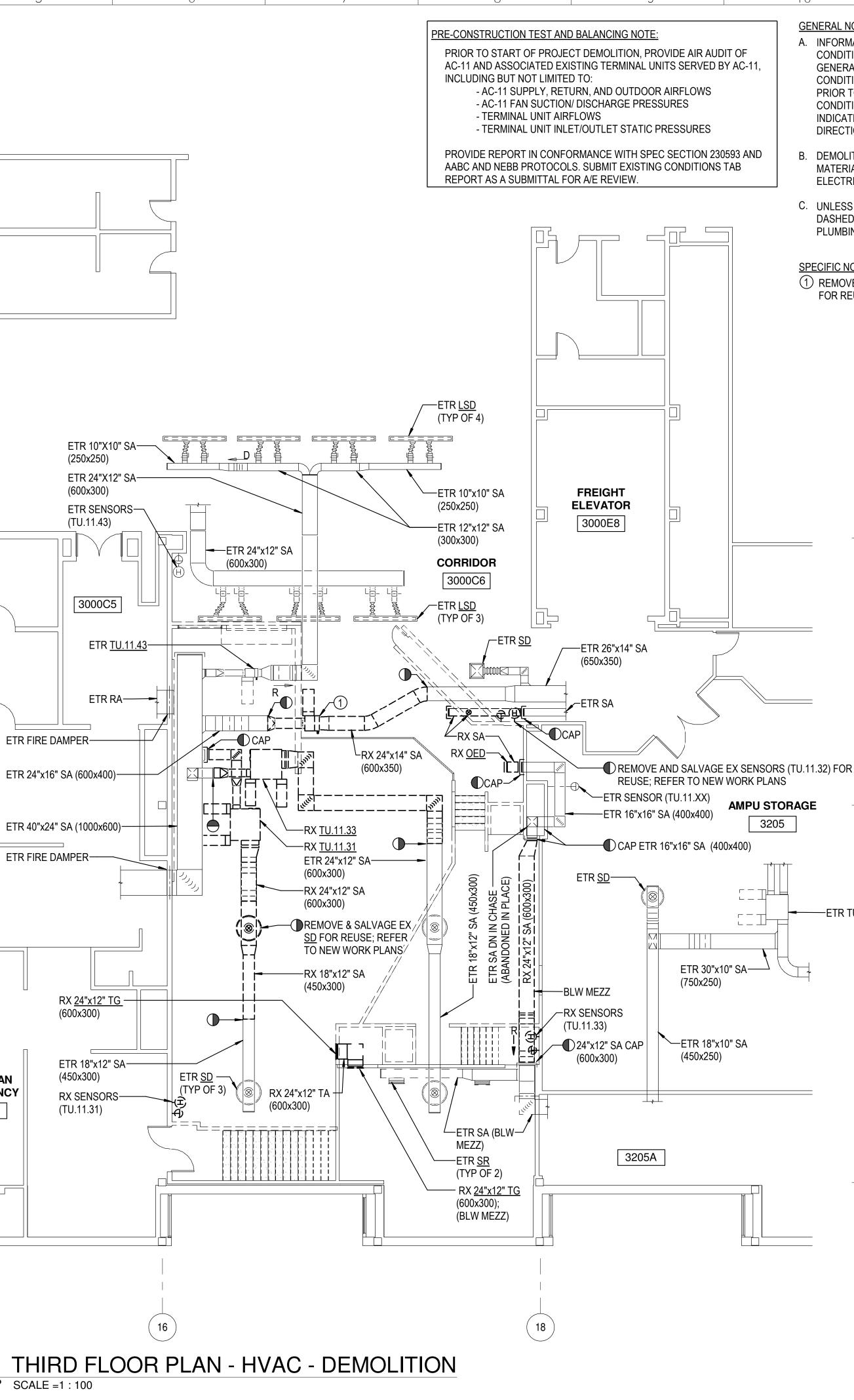
MINIMALLY INCLUDE THE FOLLOWING: L STRUCTURAL CONCRETE; STRENGTH, TYPE, SLUMP, ND CONCRETE ADDITIVES.



M-001 BY Approver Enter Issue Date FINAL SUBMISSION	NOIS	-	-	-	-	_	_	_		
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GENERAL CONTROLS DUCTORRANCE ACCESSORIES SMM3 MM2 MM2 MM3	7	8 9	10 11 12	
	MEC			NMAH
Date Date <th< td=""><td>100</td><td>)NTROLS</td><td>DUCTWORK AND ACCESSORIES</td><td>┑_{┥┥}</td></th<>	100)NTROLS	DUCTWORK AND ACCESSORIES	┑ _{┥┥}
600 Maryland Avenue S Washington, DC 2	FPIPE SYI OR DIAGRAM NO. 3 SHOWN ON VIS NO. 9 IN NO. 3 FROM DRAWING NO. 7 JON DRAWING NO. 9 (ARROW ES SECTION) SECTION) OF CONNECTION, NEW TO EXISTING ELLE ITION WORK TERMINATION POINT ELLE LI FOR SPECIFIC NOTE. NOTE APPLIES SYI WING ON WHICH IT OCCURS. SYI ITION WORK TERMINATION POINT ELLE LI FOR SPECIFIC NOTE. NOTE APPLIES SYI WING ON WHICH IT OCCURS. SYI IUM SSURE TERMEMEATURE SOIN WHICH IT OCCURS. SUB THEREATURE SOIN SAID TEMPERATURE NG FEET PEMINUTE S CT, CONNECTION UATON JUB IGN OR ELEVATOR SYI NG TEMPERATURE G NG ORY BULB TION OR ELEVATOR VIET SCOND F HEAD SING ARTE TEMPERATURE NHEIT SER SCOND F HEAD SING ARTER TEMPERATURE SON SON SUB PER MINUTE SING ARTER TEMPERATURE SON SON SUPER MINUTE SING ARTER TEMPERATUR	SYMBOL ABBR. ITEM	SYMBOL ABBR ITEM Image: state of the sta	C 07/12/24 FINAL SUBMISSION REVISION # DATE REVISION DESCRIPTION D REVISION DESCRIPTION B REVISION DESCRIPTION B REVISION DESCRIPTION B REVISION DESCRIPTION DESCRIPTION B REVISION DESCRIPTION DESCRIPTION B REVISION DESCRIPTION B REVISION DESCRIPTION B REVISION DESCRIPTION B REVISION DESCRIPTION A REVISION DESCRIPTION MECHANICAL SYMBOLS AND AB BREVIATIONS A

HAZARDOUS MATERIALS WARNING: HAZARDOUS BUILDING MATERIALS ('HAZMATS') ARE LIKELY PRESENT AND ARE ANTICIPATED TO BE IMPACTED DURING THIS PROJECT INCLUDING ASBESTOS CONTAINING MATERIALS (ACM). THERE IS NO SAFE LEVEL OF EXPOSURE TO HAZMATS. NOTIFY THE GOVERNMENT BEFORE DISTURBING ANY SUSPECT MATERIALS THAT HAVE NOT ALREADY BEEN IDENTIFIED AND AWAIT FURTHER DIRECTION FROM GOVERNMENT. ALL IDENTIFIED AND SUSPECTED HAZMATS SHALL BE ASSUMED POSITIVE, REGARDLESS THE AGE OF CONSTRUCTION, UNLESS APPROPRIATE TESTS DETERMINE THAT NO HAZMATS ARE DETECTED. COMPLY WITH HAZARDOUS MATERIALS SPECIFICATIONS, APPLICABLE FEDERAL (OSHA AND EPA) AND STATE/CITY REQUIREMENTS, AND SPECIFIC CONTROL MEASURES FOR EACH HAZARD. ACMS SHALL BE ASSUMED IN DUCTWORK MASTIC. LANDMARK 3e 3030 AMERICAN PRESIDENCY 3200 1 M-101FP



A. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE EXISTING CONDITIONS IN DETAIL OR DIMENSION. DETERMINE EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.

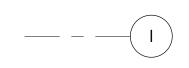
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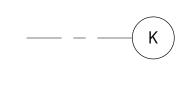
B. DEMOLITION SHALL INCLUDE REMOVAL AND OFF-SITE DISPOSAL OF MATERIALS. DO NOT ABANDON IN PLACE ANY MECHANICAL AND RELATED ELECTRICAL COMPONENTS UNLESS OTHERWISE NOTED ON DRAWINGS.

C. UNLESS OTHERWISE NOTED, MECHANICAL/PLUMBING ITEMS SHOWN HEAVY DASHED (--) SHALL BE REMOVED AND MECHANICAL/

SPECIFIC NOTES:

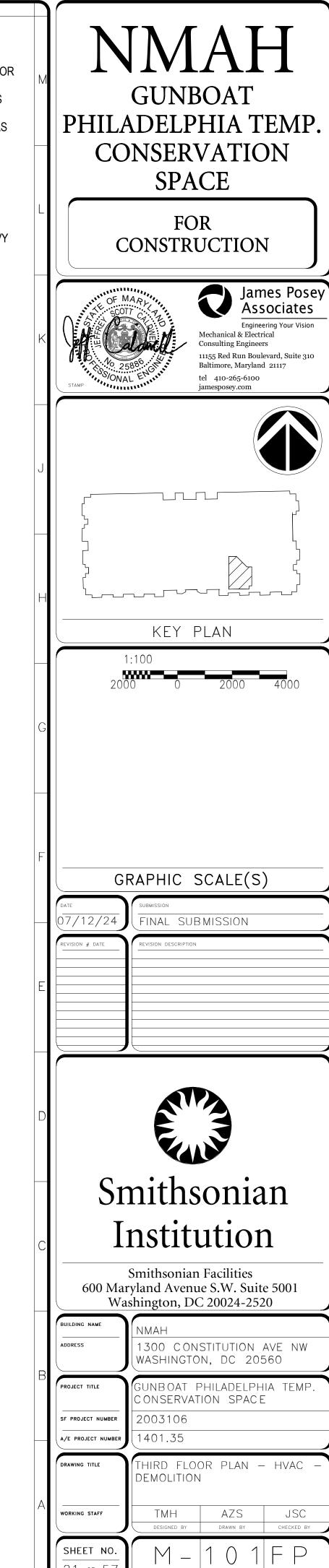
(1) REMOVE AND SALVAGE VAV TERMINAL UNIT (TU.11.32) FOR REUSE. REFER TO NEW WORK PLAN.





—(M

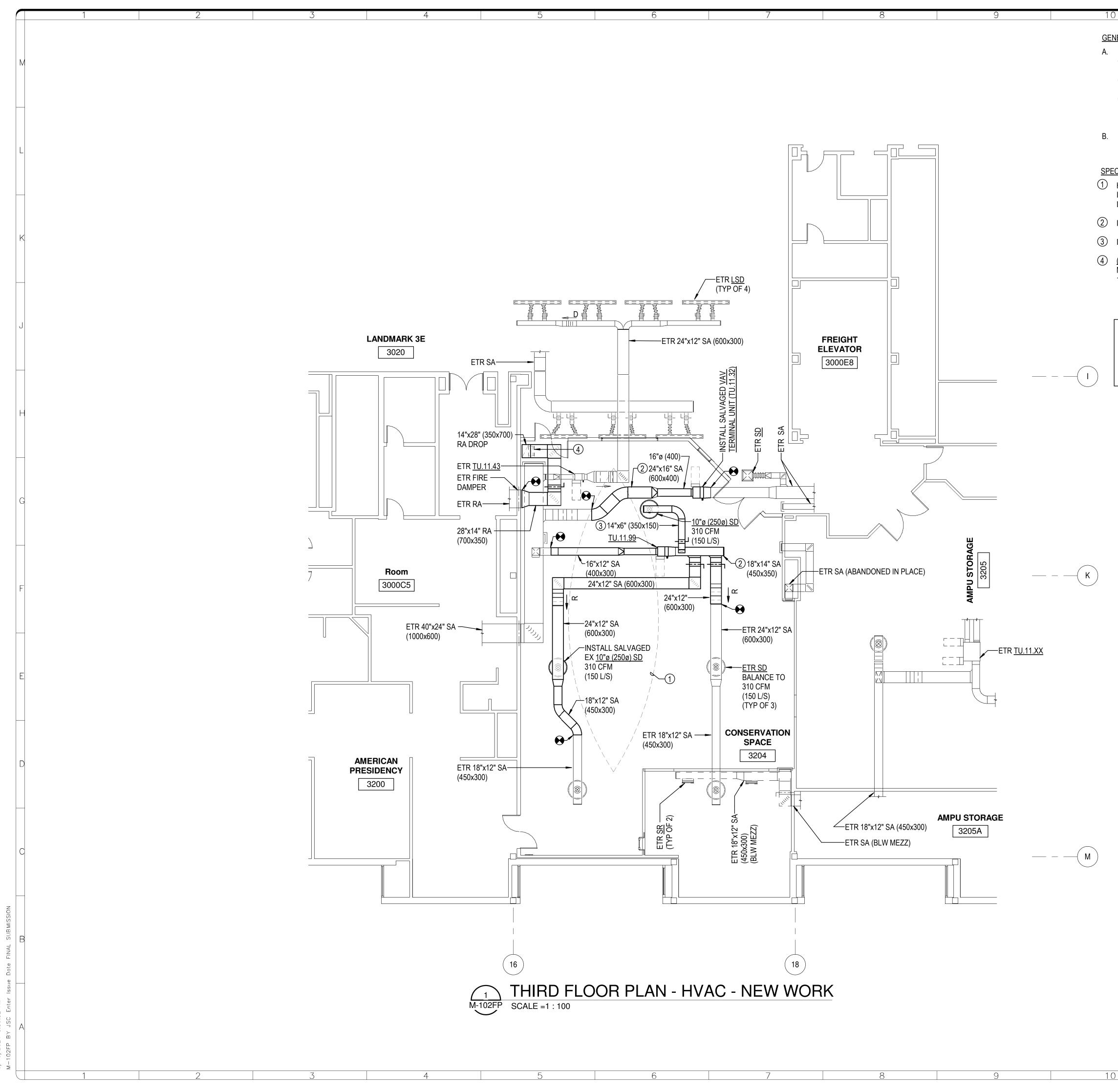
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21 of !

SCIPLINE

TYPE SEQUENCE



A. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE EXISTING CONDITIONS IN DETAIL OR DIMENSION. DETERMINE EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.

11

B. DO NOT LOCATE DUCTWORK OR PIPING ABOVE ELECTRICAL PANELS OR EQUIPMENT.

SPECIFIC NOTES:

1 HVAC EQUIPMENT AND AIR DEVICES ARE NOT PERMITTED TO BE LOCATED IMMEDIATELY OVER GUNBOAT; GUNBOAT ARTIFACT PERIMETER IS INDICATED ON PLAN.

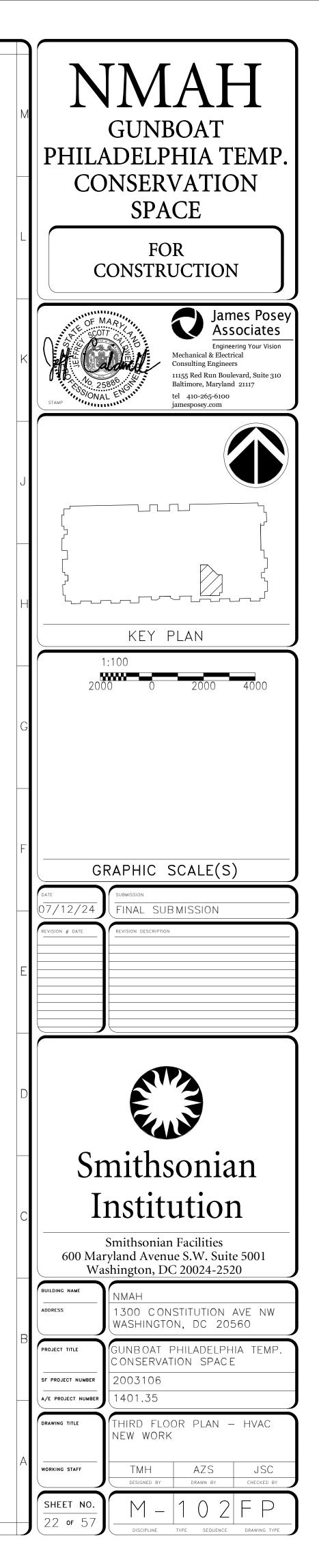
(2) INSTALL DUCTWORK TIGHT TO UNDERSIDE OF CONCRETE BEAMS.

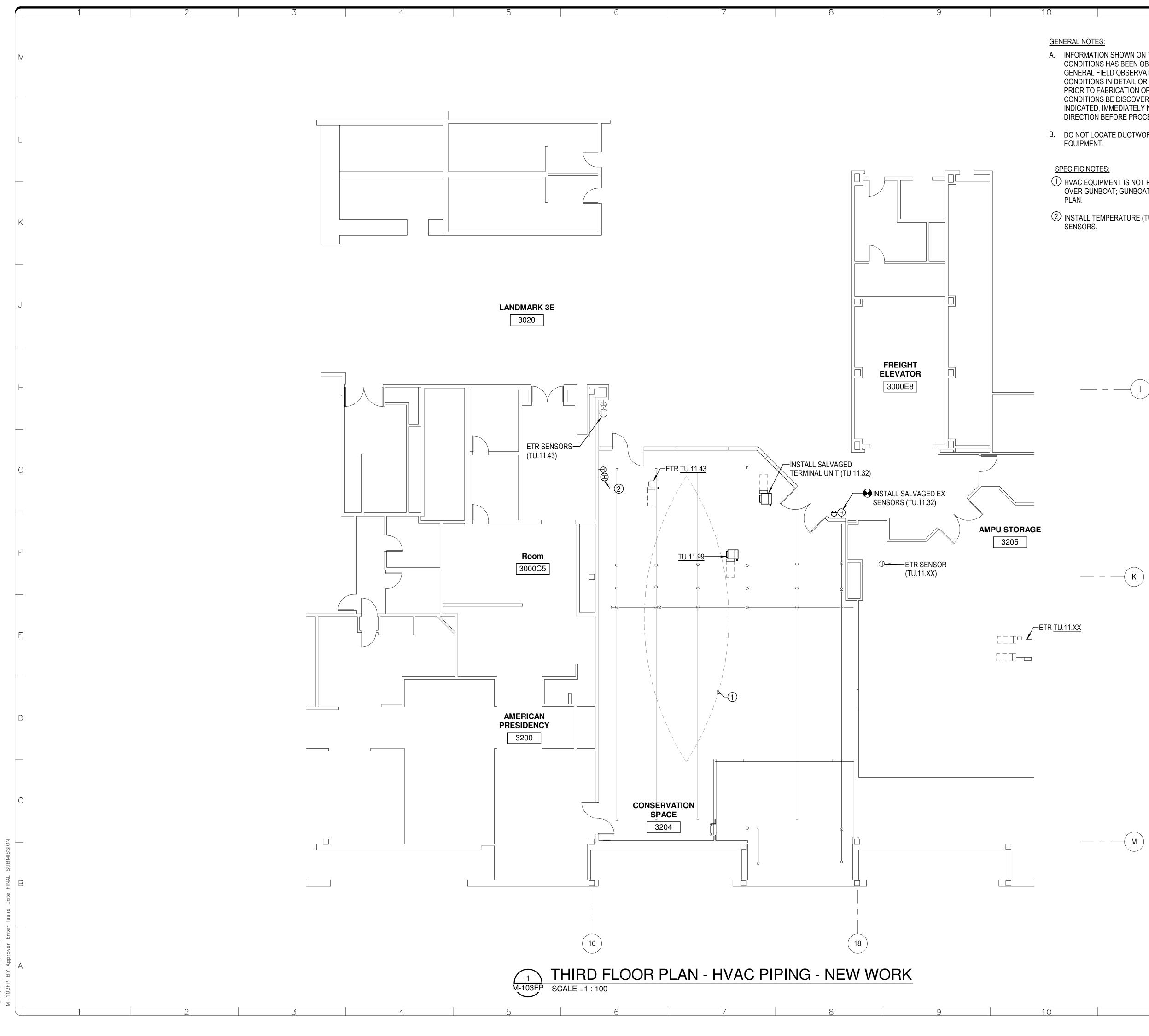
(3) INSTALL DUCTWORK HIGH BETWEEN CONCRETE BEAMS.

(4) (2) 24"x24" (500x500) RG WITH 4" GASKETED FILTER HOUSING, INCLUDING MERV 13 FILTERS; (MOUNT BOTTOM OF AIR DEVICE 8" ABOVE FLOOR). 1550 CFM (735 L/S).

BALANCING NOTE:

THE CONSERVATION SPACE IS INTENDED TO BE MAINTAINED AT A NEUTRAL PRESSURE RELATIVE TO THE ADJACENT SPACES. BALANCE TO SCHEDULED AIRFLOWS TO MAINTAIN NEUTRAL PRESSURIZATION.





A. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE EXISTING CONDITIONS IN DETAIL OR DIMENSION. DETERMINE EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.

11

B. DO NOT LOCATE DUCTWORK OR PIPING ABOVE ELECTRICAL PANELS OR EQUIPMENT.

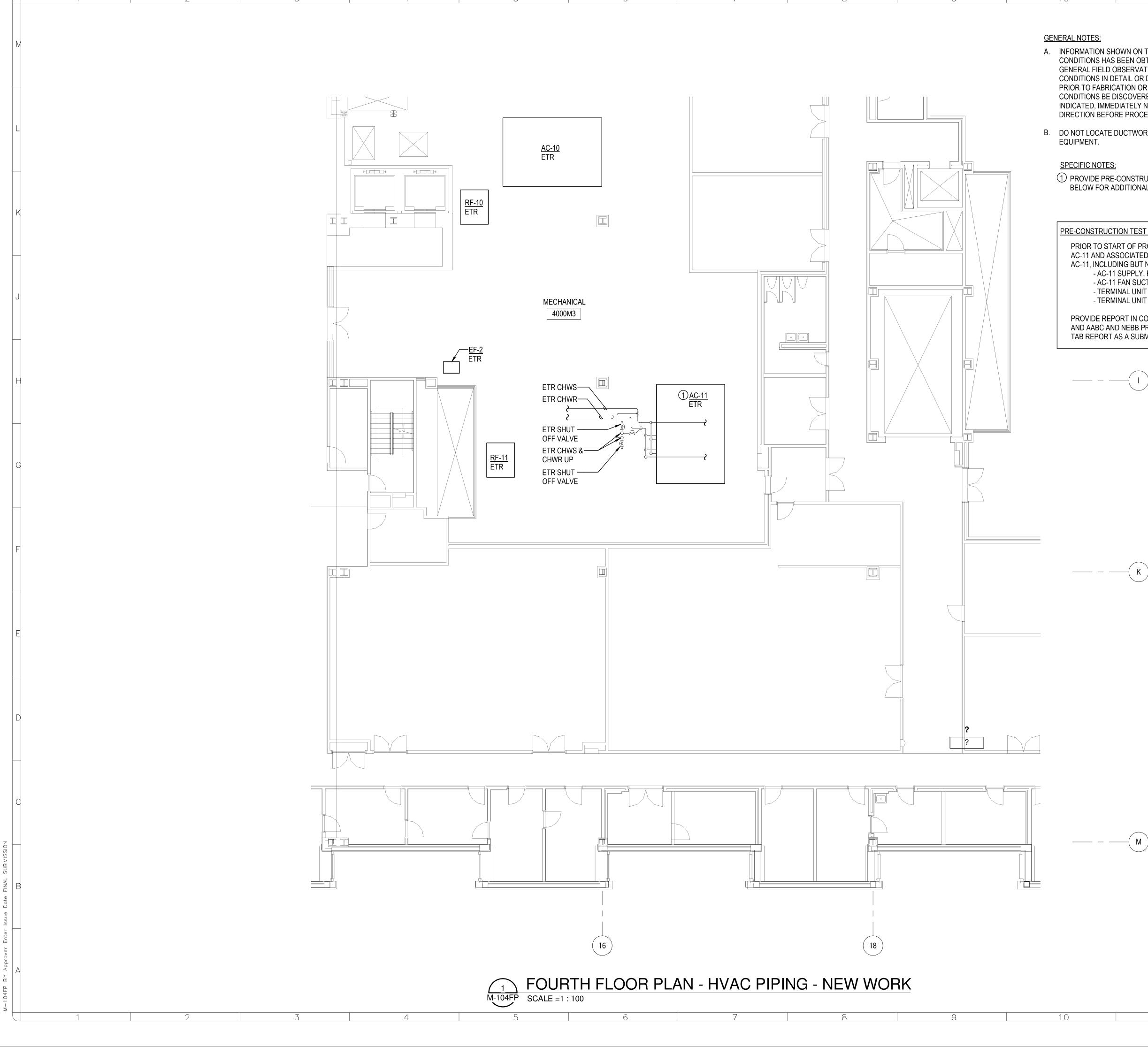
SPECIFIC NOTES:

- 1 HVAC EQUIPMENT IS NOT PERMITTED TO BE LOCATED IMMEDIATELY OVER GUNBOAT; GUNBOAT ARTIFACT PERIMETER IS INDICATED ON PLAN.
- ② INSTALL TEMPERATURE (TU.11.99) AND HUMIDITY (MONITORING ONLY) SENSORS.

—(K)

 (M)

२ М	NMAH GUNBOAT PHILADELPHIA TEMP. CONSERVATION SPACE
	FOR CONSTRUCTION
К	James Posey Associates Ligineering Your Vision Mechanical & Electrical Consulting Engineers 1155 Red Run Boulevard, Suite 310 Baltimore, Maryland 21117 tel 410-265-6100 jamesposey.com
J	
H	KEY PLAN
G	1:100 2000 0 2000 4000
F	GRAPHIC SCALE(S)
E	REVISION # DATE REVISION DESCRIPTION
D	
С	Smithsonian Institution Smithsonian Facilities 600 Maryland Avenue S.W. Suite 5001
В	BUILDING NAME ADDRESS PROJECT TITLE BUILDING NAME UNMAH 1300 CONSTITUTION AVE NW WASHINGTON, DC 20560 PROJECT TITLE GUNBOAT PHILADELPHIA TEMP.
A	project nile GUNBOAT PHILADELPHIA TEMP. SF PROJECT NUMBER CONSERVATION SPACE a/e project number 2003106 THIRD FLOOR PLAN – HVAC PIPING – NEW WORK working staff TMH
	$\frac{\text{IMH}}{\text{20 of 41}} = \frac{\text{IMH}}{\text{20 of 41}} = \frac{\text{IMH}}}{\text{20 of 41}} = \frac{\text{IMH}}{\text{20 of 41}} = \frac{\text{IMH}}{20 of $



A. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE EXISTING CONDITIONS IN DETAIL OR DIMENSION. DETERMINE EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.

11

B. DO NOT LOCATE DUCTWORK OR PIPING ABOVE ELECTRICAL PANELS OR EQUIPMENT.

SPECIFIC NOTES:

1 PROVIDE PRE-CONSTRUCTION TESTING AND BALANCING; SEE BOX NOTE BELOW FOR ADDITIONAL DETAIL

PRE-CONSTRUCTION TEST AND BALANCING NOTE:

PRIOR TO START OF PROJECT DEMOLITION, PROVIDE AIR AUDIT OF AC-11 AND ASSOCIATED EXISTING TERMINAL UNITS SERVED BY AC-11, INCLUDING BUT NOT LIMITED TO:

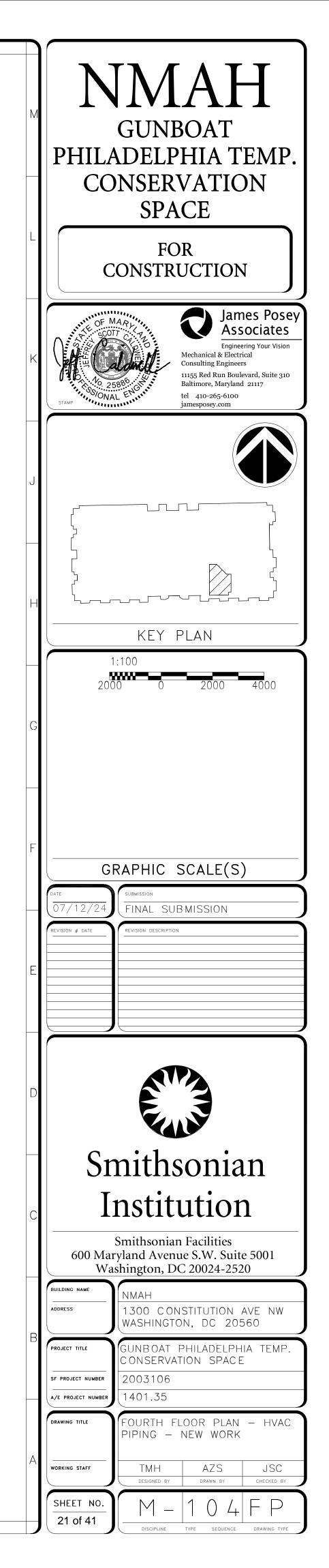
- AC-11 SUPPLY, RETURN, AND OUTDOOR AIRFLOWS

- AC-11 FAN SUCTION/ DISCHARGE PRESSURES
- TERMINAL UNIT AIRFLOWS

- TERMINAL UNIT INLET/OUTLET STATIC PRESSURES

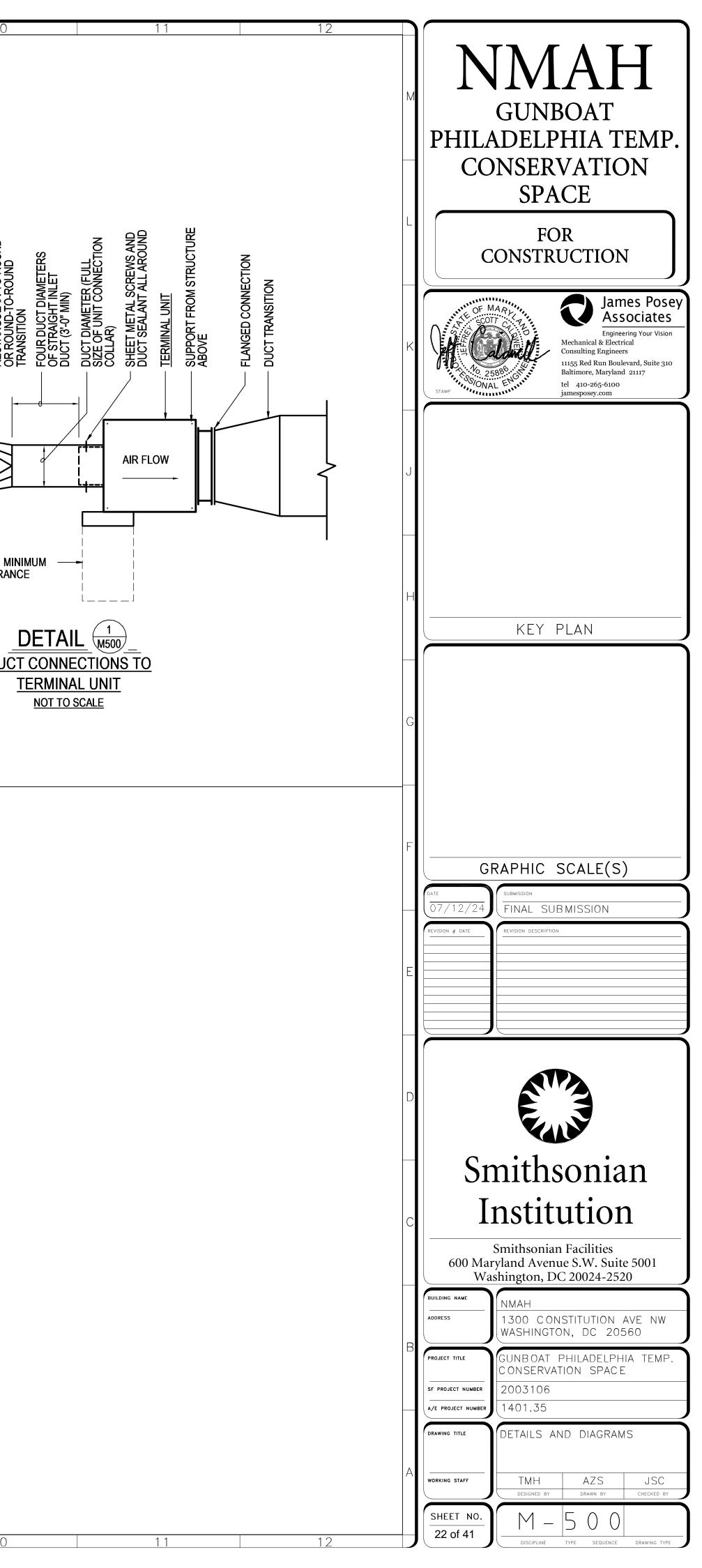
PROVIDE REPORT IN CONFORMANCE WITH SPEC SECTION 230593 AND AABC AND NEBB PROTOCOLS. SUBMIT EXISTING CONDITIONS TAB REPORT AS A SUBMITTAL FOR A/E REVIEW.

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						SIZE AS NS DUCT	ND CITAR	OND
						OR PLA LY AIR	PE DUG	-TO-RO ROUND
						IGULAR DN FLO Y SUPP	KEE REC ICAL TY IING IGULAR ZE AS N	PLANS GULAR ND-TO-
						RECTANGULAR DUCT SIZE AS NOTED ON FLOOR PLANS PRIMARY SUPPLY AIR DUCT	 45 DEGREE RECTANGULAR OR CONICAL TYPE DUCT TAP FITTING RECTANGULAR OR ROUND RECTANGULAR OR ROUND 	FLOOR PLANS RECTANGULAR-TO-ROUND OR ROUND-TO-ROUND
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DESIG	AREA SERVED	MAX PRIMARY AIRFLOW (CFM) (L/S)	MIN PRIMARY AIRFLOW (CFM) (L/S)	MIN PRIMAR INLET DIA SIZE (IN) (MM)
TU.11.99	CONSERVATION EXHIBIT (AHU-1 VENTILATION)	1,550	1,550	14
		731	731	356



HVAC	DUCT	CONS ⁻	٢R

				DUCT PRESSI	JRE CLASS
	ονοτειν		SMAC	IA DUCT PRES	SSURE CL/
	SYSTEM	SUPPLY	RET	URN	
		DISCHARGE	DISCHARGE	SUCTION	DISCHAF
	VAV UNIT INLET	4.0			
_	VAV UNIT DISCHARGE	3.0			

Α.

Β.

MIXED AIR DUCTS (RA & OA) AND INLET PLENUMS SHALL BE CONST

PRESSURE RELIEF AND TRANSFER DUCTS SHALL BE CONSTRUCTE

C. PROVIDE DUCT JOINT TYPES WHICH ASSURE COMPLIANCE WITH TI

		MINIMUM	RECTANGULAF	R DUCT C
	.0 INCHES WO OSITIVE OR N			NCHES W
DUCT DIMENSION (INCHES)	MINIMUM STEEL GAGE	MAXIMUM REINFORCEMENT SPACING (FEET)	DUCT DIMENSION (INCHES)	MINIMUI STEEL GAGE
12 DOWN	24	NONE	18 DOWN	24
13-30	24	5.0	19-28	22
31-36	22	5.0	29-48	22
37-48	20	5.0	49-72	20

		D	UCT AIR LEAKAGE I
PRESSURE CLASS (INCHES WC)	LEAKAGE CLASS	TEST PRESS (INCHES WC)	LEAKAGE FACT (NOTE 1)
2.0 3.0 4.0	6 6 3	2.0 3.0 4.0	10 13 8

<u>GENERAL:</u>

• THE LEAKAGE REQUIREMENTS SCHEDULED ABOVE ARE FOR STANDARD HVAC APPLICATIONS. FOR DUCT SYSTEMS REQUIRING WELDED JOINTS, THE LEAKAGE FACTOR SHALL BE 0.

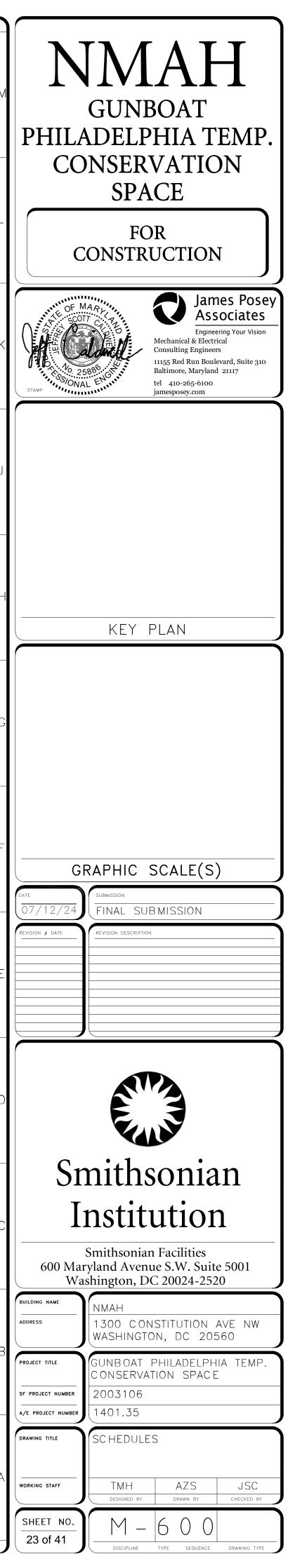
 PROVIDE JOINT TYPES AND SEALING METHODS AS REQUIRED TO COMPLY WITH THE LEAKAGE FACTOR INDICATED ON THIS SCHEDULE.

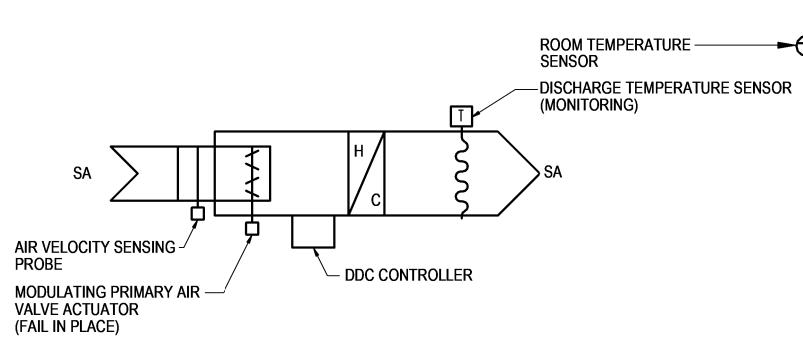
UNLESS OTHERWISE NOTED ABOVE, LEAK TEST ALL DUCTS. LEAKAGE RATES SHALL NOT EXCEED LEAKAGE FACTORS INDICATED ON THIS SCHEDULE FOR THE APPLICABLE PRESSURE CLASSES.

EDULE										
ELECTRIC HEATING COIL										
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10	27	14.7	4000-51	1						
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EATING COIL CONTROLLER.

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LASS REC	QUIREMENTS				
CLASS (INCHES WC)				
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HARGE	SUCTION	DISCHARGE	SUCTION		
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	SAME AS RETU				K
		H PRESSURE C GE FACTOR SC		W	S
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	;	4.	0 INCHES WC		
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	5.0	19-28	22	5.0	
_	2.5	29-42	22	2.5	
	2.5	43-60	20	2.5	— H
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	LEAK	AGE RATE AT 1	EST PRESSUF	E.	
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SINGLE DUCT SUPPLY AIR TERMINAL UNITS

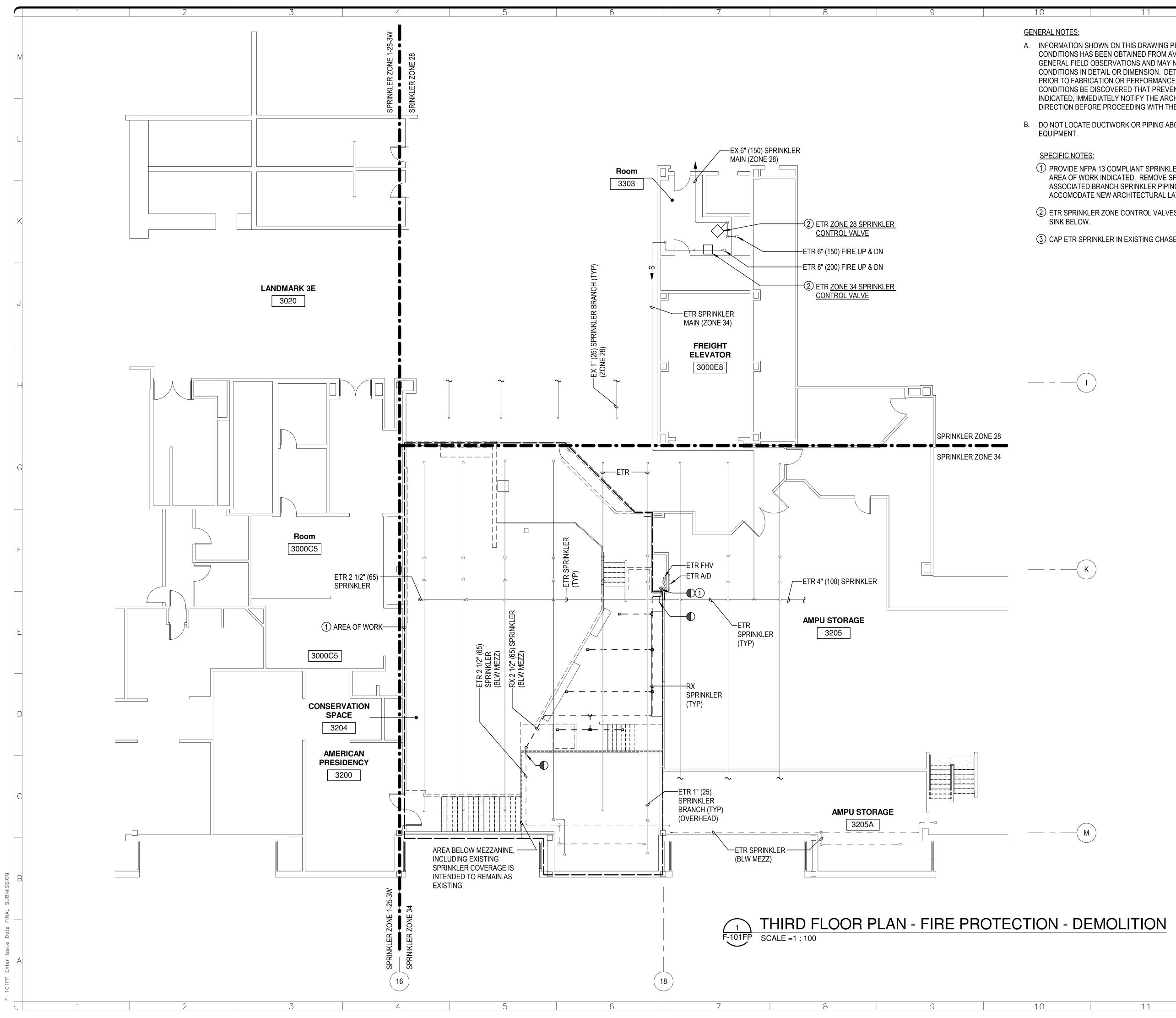
4

- A. FURNISH AIR TERMINAL UNIT MANUFACTURER WITH DDC CONTROLLER(S) FOR FACTORY MOUNTING. PROVIDE ONE DDC CONTROLLER FOR EACH TERMINAL UNIT.
- B. THE TERMINAL UNIT SHALL BE ENERGIZED AND DEENERGIZED THROUGH THE DDC SYSTEM. TERMINAL UNIT IS INTENDED TO OPERATE WHEN AC-11 IS ENABLED.
- C. OPERATION:
 - 1. OCCUPIED ROOM TEMPERATURE SENSOR SETPOINT SHALL BE 70 F, ADJUSTABLE.
 - 2. THE SUPPLY AIR TERMINAL UNIT PRIMARY AIR DAMPER SHALL MODULATE TO MAINTAIN ITS SUPPLY AIRFLOW SETPOINT.
- 3. WHEN THE SPACE TEMPERATURE FALLS BELOW THE OCCUPIED HEATING SETPOINT OF THE ROOM TEMPERATURE SENSOR, THE TERMINAL UNIT ELECTRIC HEATING COIL SHALL MODULATE WITH SCR CONTROL TO MAINTAIN THE OCCUPIED HEATING SETPOINT OF THE ROOM TEMPERATURE SENSOR, SUBJECT TO A HIGH LIMIT DISCHARGE AIR TEMPERATURE OF 85 DEGREES F (ADJUSTABLE).



	ATC SYSTEM GENERAL REQUIREMENTS	Ιſ
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1.	THE DDC SYSTEM SHALL CONSIST OF A WEB-BASED ENERGY MANAGEMENT SYSTEM, COMPLETE WITH BACNET PROTOCOL. THE SYSTEM SHALL USE AN ETHERNET OR WEB BASED COMMUNICATION SYSTEM WITH A BUILDING LEVEL NETWORK CONNECTION TO THE EXISTING SIEMENS BUILDING AUTOMATION SYSTEM REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL SYSTEM REQUIREMENTS.	
2.	UNLESS OTHERWISE INDICATED, PROVIDE DDC CONTROLS.	
3.	SMOKE DETECTORS SHALL BE HARD WIRED AND SHALL NOT REQUIRE OPERATION OF DDC SYSTEM SOFTWARE TO OPERATE OR TO DEENERGIZE SYSTEM FANS.	
4.	DESIGN SETPOINTS SHALL ALWAYS BE ENTERED INTO THE POINT DESCRIPTION AREA. FOR CONTROL SYSTEMS THAT DO NOT HAVE THIS ABILITY, ALL POIN⊺ DESCRIPTORS INCLUDING DESIGN SETPOINTS SHALL BE ADDED TO THE GRAPHICS.	
5.	THE ATC CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND WIRING ALL CONTROL EQUIPMENT SUPPLIED WITH HVAC SYSTEMS AND COMPONENTS AND FOR PROVIDING POWER CIRCUITS FOR THESE CONTROL SYSTEMS. CONTROLS CONTRACTOR SHALL ALSO PROVIDE ANY ANCILLARY COMPONENTS INCLUDING BUT NOT LIMITED TO SWITCHES, RELAYS, WIRING, CONDUIT, TERMINAL BOXES, JUNCTION BOXES, AND COMMUNICATION INTERFACES AS REQUIRED TO ACCOMPLISH INTENDED CONTROL FUNCTIONS AND/OR CONTROL SEQUENCE NOTED IN THE SPECIFICATIONS.	
6.	FUNCTION OF CONTROLS SHALL BE AUTOMATICALLY RESTORED TO NORMAL OPERATION WITHOUT OPERATOR INTERVENTION WHEN SAFETIES ARE RESET OR WHEN POWER IS RESTORED AFTER AN OUTAGE. FREEZESTAT AND PRESSURE DIFFERENTIAL SAFETY DEVICES SHALL REQUIRE MANUAL RESET AT THEIR RESPECTIVE UNIT. SMOKE DETECTOR TRIPPING SHALL BE RESET WHEN THE ALARM IS NO LONGER PRESENT IN THE FIRE ALARM SYSTEM.	
7.	ON A LOSS IN NETWORK COMMUNICATION TO A PARTICULAR DEVICE OR SYSTEM, THAT DEVICE SHALL FAIL TO IT'S NORMAL POSITION OR THAT SYSTEM SHALL FAIL ON.	
8.	ALL SETPOINTS SHALL BE ADJUSTABLE.	
9.	ALL ANALOG CONTROL OUTPUTS SHALL BE TRUE ANALOG SIGNALS.	
10.	WHERE SMOKE DETECTOR POINT IS INDICATED, HARD WIRING OF SHUT DOWN IS REQUIRED AS INDICATED ABOVE. ADDITIONALLY, A SOFTWARE INPUT MONITORING THE SMOKE DETECTOR STATUS IS REQUIRED SO THAT A SYSTEM USER IS ABLE TO DIAGNOSE THE CAUSE OF THE SHUT DOWN.	
11.	BACNET INTERFACE SHALL BE PROVIDED FOR ALL EQUIPMENT WITH DIGITAL CONTROLLERS, INCLUDING HUMIDIFIERS AND VFDS TO EXPEDITE TROUBLESHOOTING. A VENDORS CONTROL TECHNICIAN FAMILIAR WITH INTEGRATION OF THEIR EQUIPMENT SHALL BE REPRESENTED ONSITE TO PROVE ALL BACNET INTEGRATION IS CORRECT. THIS ONSITE REVIEW SHOULD OCCUR IMMEDIATELY AFTER START-UP HAS OCCURRED BY THEIR TECHNICIAN.	
12.	EACH AIR HANDLING UNIT SHALL BE PROVIDED WITH A DEDICATED DDC PANEL ENCLOSURE.	
13.	PROVIDE UPS BACKUP ON ALL DDC/EMS BUILDING CONTROLLERS AND PANELS.	
14.	PROVIDE NORMALLY CLOSED RELAYS FOR INTERLOCK ON ALL EQUIPMENT THAT SHALL FAIL "ON". ALL RELAYS SHALL BE LABELED FOR USE AND WHAT STATUS LIGHT INDICATES. STATUS LIGHT REQUIRED FOR FAIL "ON" RELAYS, AS THE LIGHT "ON" INDICATES EQUIPMENT DISABLED.	
15.	ALL CURRENT SENSING RELAY TRIP SETTINGS SHALL BE FIELD CALIBRATED WITH THE ASSOCIATED MOTOR OPERATING AT THE LOWEST SPEED POSSIBLE, REGARDLESS OF THE TESTING AND BALANCING SETPOINT. FOR EC TYPE MOTORS, CALIBRATE RELAY TRIP SETTING FOR EACH DEVICE BY FIRST DETERMINING PASSIVE CURRENT DRAW WHEN MOTOR IS CONNECTED TO AC POWER SOURCE BUT SHAFT IS NOT ROTATING, THEN FIELD ADJUSTING THE SENSOR TRIP POINT TO BE SLIGHTLY HIGHER THAN THIS PASSIVE CURRENT VALUE. LOOP WIRES TO INCREASE AMOUNT OF CURRENT MEASURED BY RELAY WHEN PASSIVE CURRENT VALUE IS BELOW THE MINIMUM DEVICE TRIP SETTING.	
16.	THE EXISTING FACILITY IS PROVIDED WITH A SIEMENS AUTOMATIC TEMPERATURE CONTROL SYSTEM. ALL CONTROL COMPONENTS SHALL BE CAPABLE OF INTEGRATING WITH THE EXISTING CONTROL SYSTEM FOR REMOTE MONITORING, AS WELL AS PERFORMING THE SEQUENCES OF OPERATION, ENERGY MANAGEMENT ROUTINES, AND HISTORICAL DATA TRENDING.	
17.	PROVIDE ELECTRICAL WIRING AND POWER CONNECTION INSTALLATION AS SPECIFIED IN SECTION 230923. COORDINATE POWER REQUIREMENTS WITH ELECTRICAL TRADE CONTRACTOR.	

AIU OT	YSTEM GENERAL REQUIREMENTS		ATC	SYMBOLS AND ABBRE	/IATIONS	NMAF
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AND COMMUNICATION INTERFACES CONTROL SEQUENCE NOTED IN TH	S AS REQUIRED TO ACCOMPLISH INTENDED CONTROL FUN	NCTIONS AND/OR	۲ ۲	AIR INSERTION TEMPERATURE OR HUN	IIDITY SENSOR	OF MARL SCOTT C. 7 Enginee Mechanical & Electric
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	ERENTIAL SAFETY DEVICES SHALL REQUIRE MANUAL RES STOR TRIPPING SHALL BE RESET WHEN THE ALARM IS NO L TEM.			HUMIDITY SENSOR		STAMP tel 410-265-6100 jamesposey.com
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8. ALL SETPOINTS SHALL BE ADJUSTA			Ø	MOTOR		J
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) POWER CONNECTION INSTALLATION AS SPECIFIED IN SEC INTS WITH ELECTRICAL TRADE CONTRACTOR.	CTION 230923.				E
	INTS WITH ELECTRICAL TRADE CONTRACTOR.					
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A. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE EXISTING CONDITIONS IN DETAIL OR DIMENSION. DETERMINE EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.

11

B. DO NOT LOCATE DUCTWORK OR PIPING ABOVE ELECTRICAL PANELS OR EQUIPMENT.

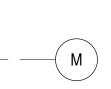
SPECIFIC NOTES:

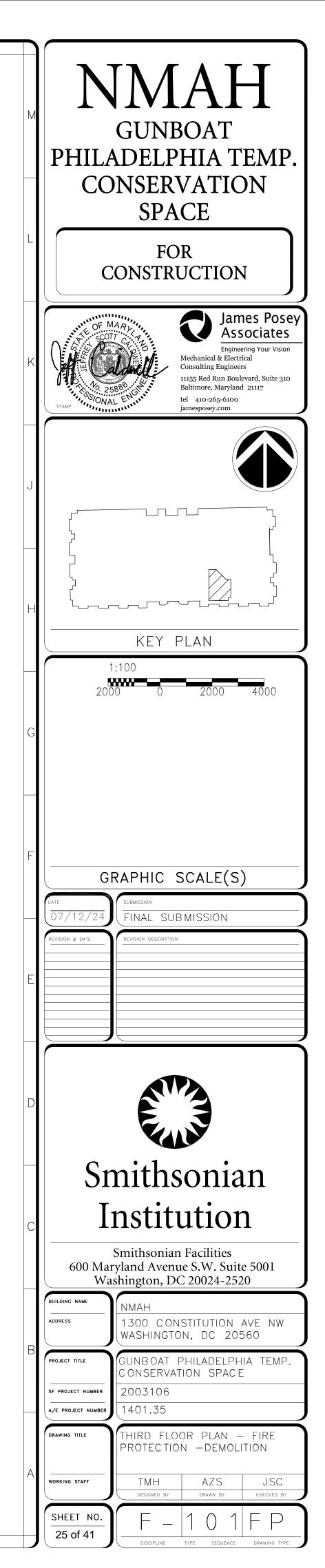
- 1 PROVIDE NFPA 13 COMPLIANT SPRINKLER COVERAGE FOR THE AREA OF WORK INDICATED. REMOVE SPRINKLER HEADS AND ASSOCIATED BRANCH SPRINKLER PIPING AS REQUIRED TO ACCOMODATE NEW ARCHITECTURAL LAYOUT.
- (2) ETR SPRINKLER ZONE CONTROL VALVES. ETR DRAIN TO MOP SINK BELOW.

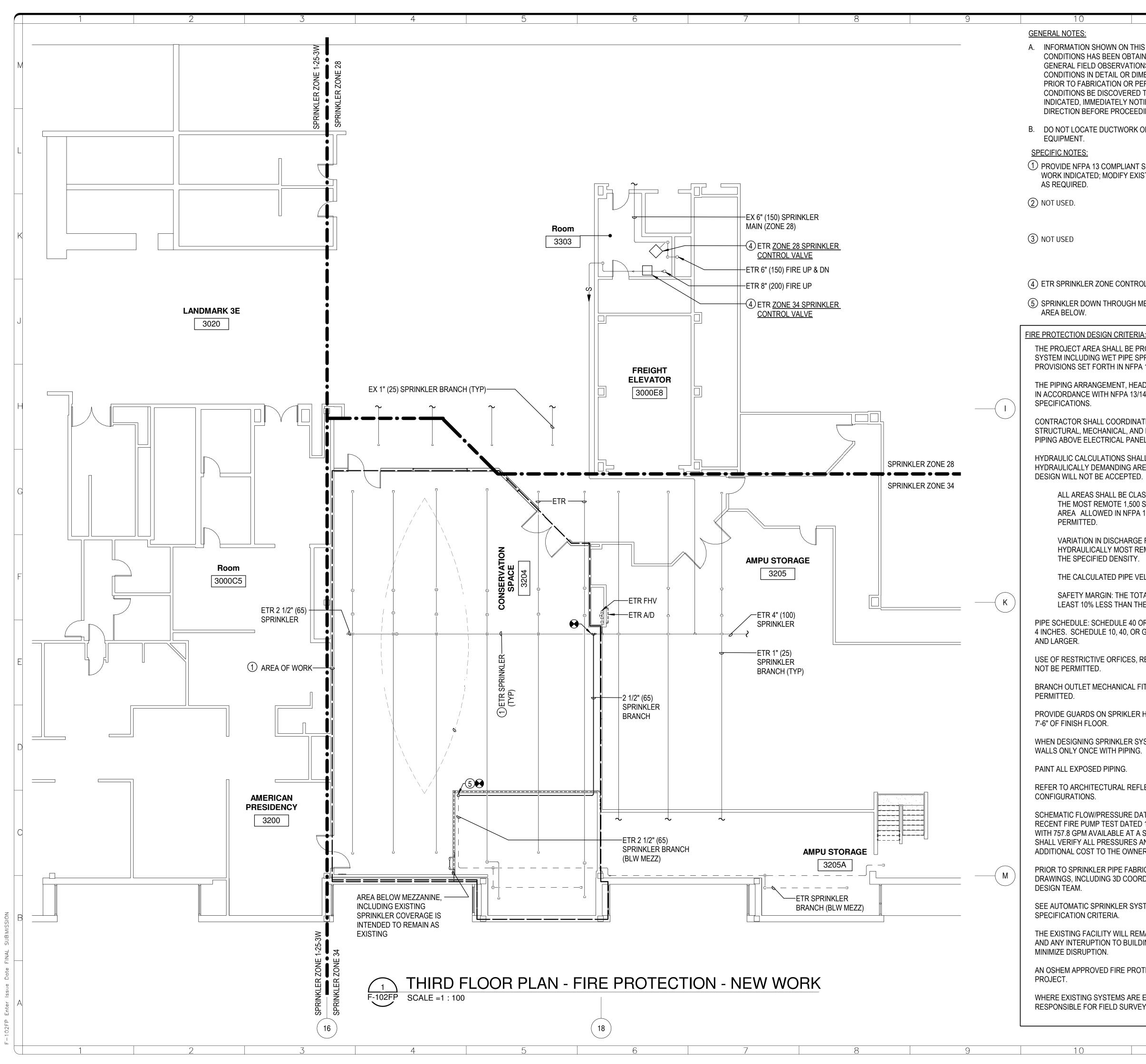
(3) CAP ETR SPRINKLER IN EXISTING CHASE











A. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE EXISTING CONDITIONS IN DETAIL OR DIMENSION. DETERMINE EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.

B. DO NOT LOCATE DUCTWORK OR PIPING ABOVE ELECTRICAL PANELS OR

(1) PROVIDE NFPA 13 COMPLIANT SPRINKLER COVERAGE FOR THE AREA OF WORK INDICATED; MODIFY EXISTING BRANCH PIPING AND SPRINKLER HEADS

(4) ETR SPRINKLER ZONE CONTROL VALVES. ETR DRAIN TO MOP SINK BELOW.

(5) SPRINKLER DOWN THROUGH MEZZANININE FLOOR TO ETR SPRINKLER IN

THE PROJECT AREA SHALL BE PROVIDED WITH A COMPLETE AUTOMATIC FIRE PROTECTION SYSTEM INCLUDING WET PIPE SPRINKLERS AND ACCESSORIES IN ACCORDANCE WITH PROVISIONS SET FORTH IN NFPA 13/14 AND AS INDICATED ON THESE PLANS.

THE PIPING ARRANGEMENT, HEAD LOCATIONS, AND SIZING SHALL BE BY THE CONTRACTOR IN ACCORDANCE WITH NFPA 13/14 AND AS INDICATED ON THE CONTRACT DRAWINGS AND

CONTRACTOR SHALL COORDINATE SPRINKLER SYSTEM WITH ALL ARCHITECTURAL STRUCTURAL, MECHANICAL, AND ELECTRICAL BUILDING COMPONENTS. DO NOT LOCATE PIPING ABOVE ELECTRICAL PANELS OR EQUIPMENT.

HYDRAULIC CALCULATIONS SHALL BE BASED ON A MINIMUM FLOW FOR THE MOST HYDRAULICALLY DEMANDING AREA IN ACCORDANCE WITH NFPA 13/14. PIPE SCHEDULE

ALL AREAS SHALL BE CLASSIFIED ORDINARY HAZARD GROUP 2 (0.20 GPM/SF OVER THE MOST REMOTE 1,500 SF). REDUCTIONS IN THE HYDRAULICALLY MOST REMOTE AREA ALLOWED IN NFPA 13 WITH THE USE OF QUICK RESPONSE SPRINKLERS IS NOT

VARIATION IN DISCHARGE FROM INDIVIDUAL SPRINKLER HEADS IN THE HYDRAULICALLY MOST REMOTE AREA SHALL BE BETWEEN 100 AND 120 PERCENT OF THE SPECIFIED DENSITY

THE CALCULATED PIPE VELOCITY SHALL NOT EXCEED 20 FT/SEC.

SAFETY MARGIN: THE TOTAL DEMAND WATER FLOW AND PRESSURE MUST BE AT LEAST 10% LESS THAN THE AVAILABLE WATER FLOW AND PRESSURE.

PIPE SCHEDULE: SCHEDULE 40 OR GREATER MUST BE USED FOR ALL SPRINKLER LESS THAN 4 INCHES. SCHEDULE 10, 40, OR GREATER MUST BE USED FOR SPRINKLER PIPING 4 INCHES

USE OF RESTRICTIVE ORFICES, REDUCING FLANGES, UNIONS, AND PLAIN END-FITTINGS WILL

BRANCH OUTLET MECHANICAL FITTINGS AND CLAMP-TYPE FITTINGS WILL NOT BE

PROVIDE GUARDS ON SPRIKLER HEADS IN MECHANICAL ROOMS AND ANY HEADS WITHIN

WHEN DESIGNING SPRINKLER SYSTEM, CONTRACTOR SHALL PIERCE FIRE/SMOKE RATED

REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING CONSTRUCTION AND

SCHEMATIC FLOW/PRESSURE DATA: BASE HYDRAULIC CALCULATIONS ON THE MOST RECENT FIRE PUMP TEST DATED 10/29/19, INCLUDING A DISCHARGE PRESSURE OF 130.0 PSI WITH 757.8 GPM AVAILABLE AT A SUCTION PRESSURE OF PSI AT 95.0. THE CONTRACTOR SHALL VERIFY ALL PRESSURES AND FLOWS NOTED WITH AN ADDITIONAL FLOW TEST AT NO ADDITIONAL COST TO THE OWNER, PRIOR TO PERFORMING SYSTEM CALCULATIONS.

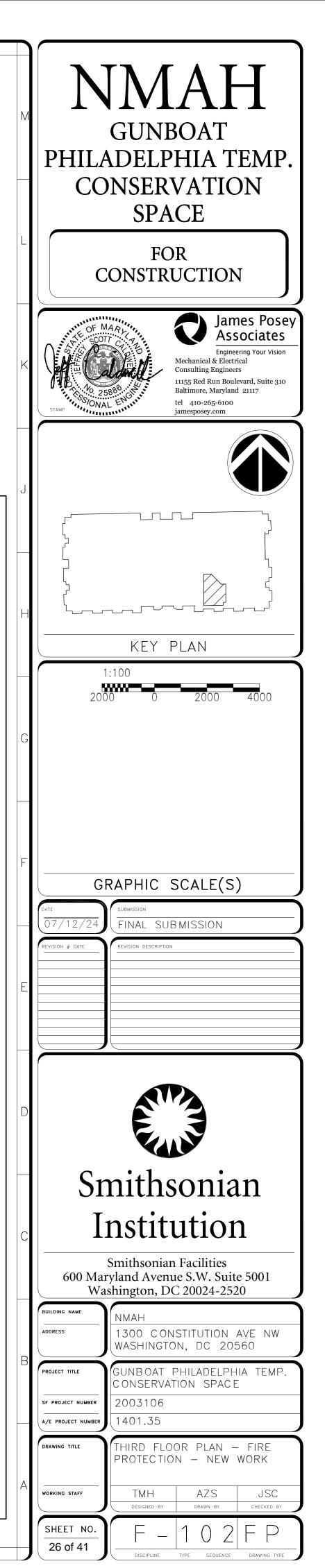
PRIOR TO SPRINKLER PIPE FABRICATION, SUBMIT COORDINATED SPRINKLER SHOP DRAWINGS, INCLUDING 3D COORDINATED MODEL, FOR REVIEW AND APPROVAL BY THE

SEE AUTOMATIC SPRINKLER SYSTEMS, SECTION 211313, FOR COMPELTE SPRINKLER

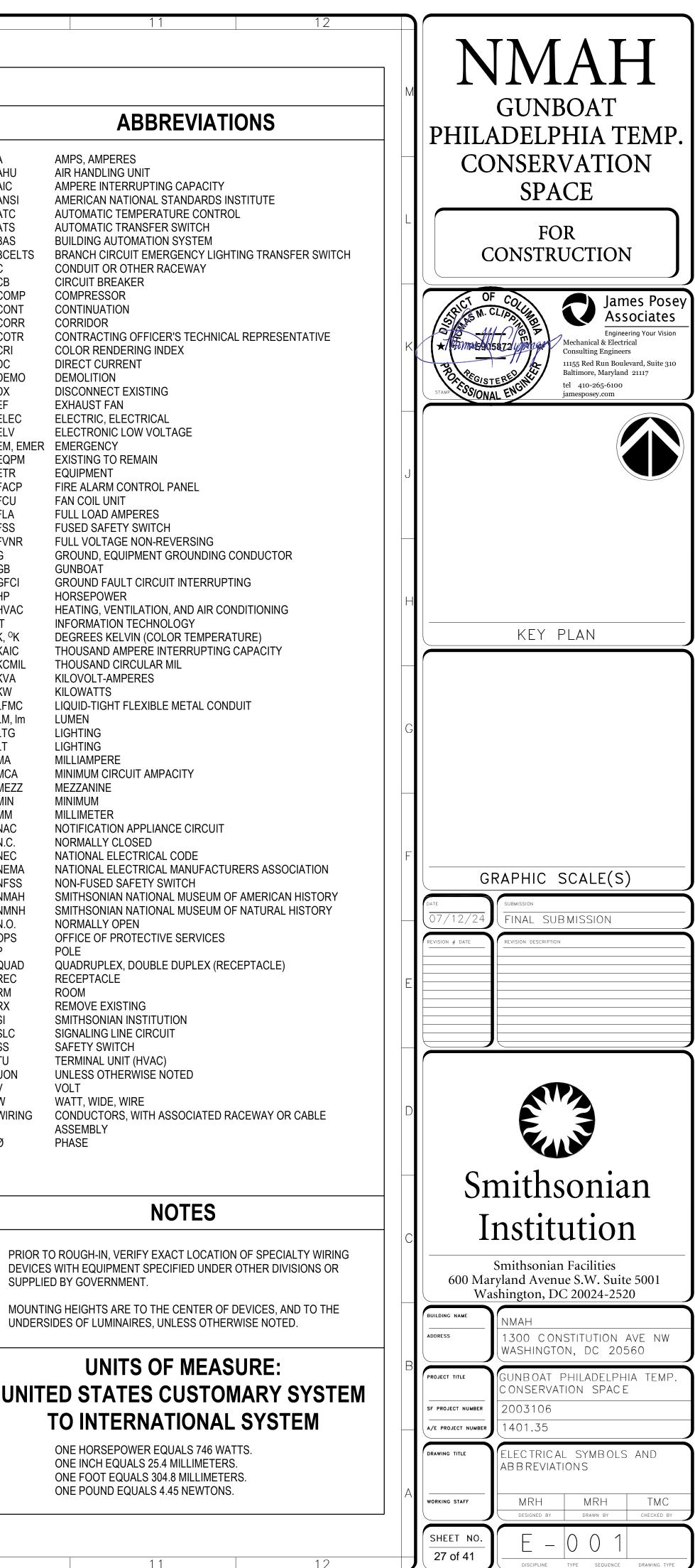
THE EXISTING FACILITY WILL REMAIN IN OPERATION DURING CONSTRUCTION. ALL WORK AND ANY INTERUPTION TO BUILDING SERVICES SHALL BE COORDINATED WITH THE COTR TO

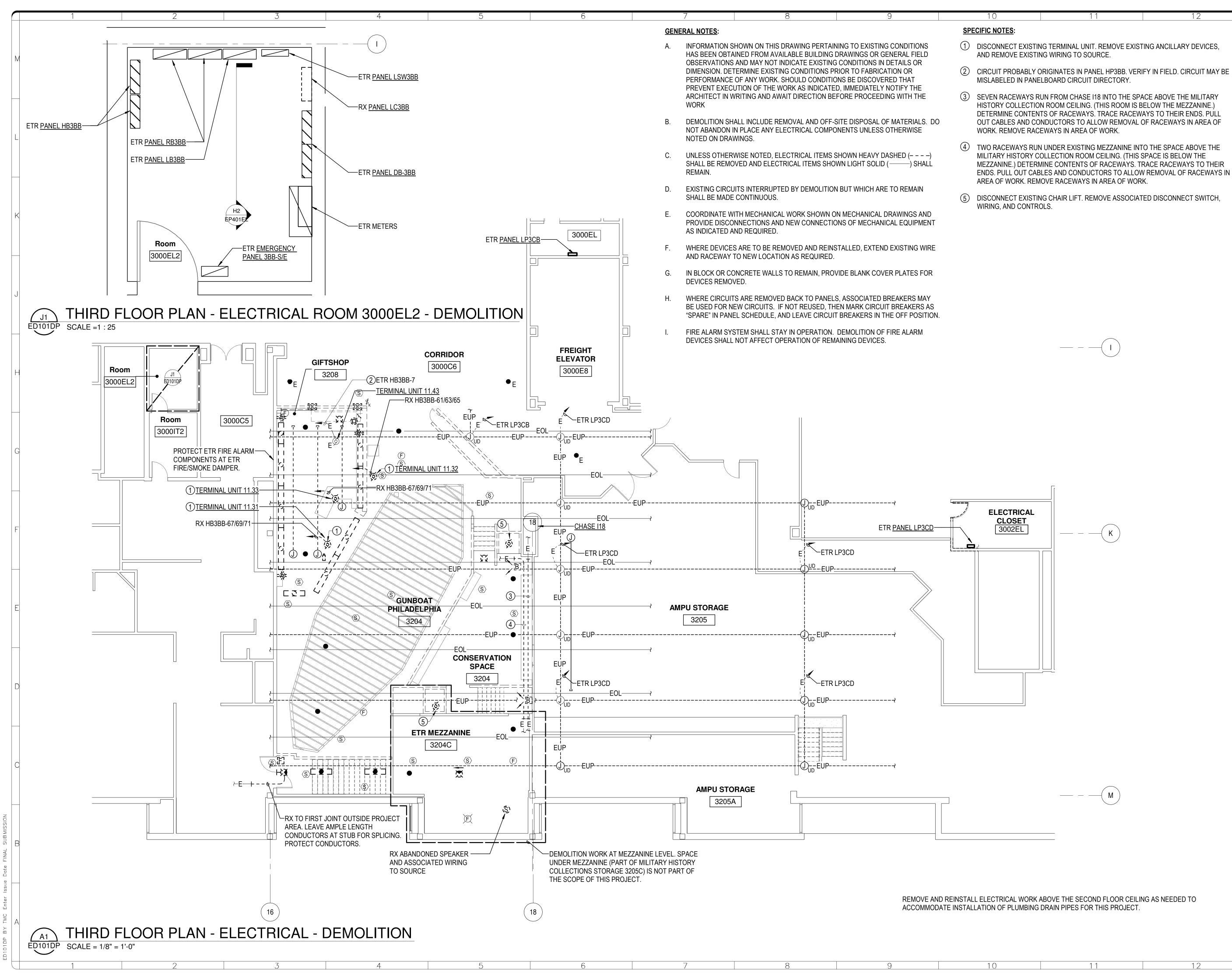
AN OSHEM APPROVED FIRE PROTECTION PLAN SHALL BE MAINTAINED THROUGHOUT THE

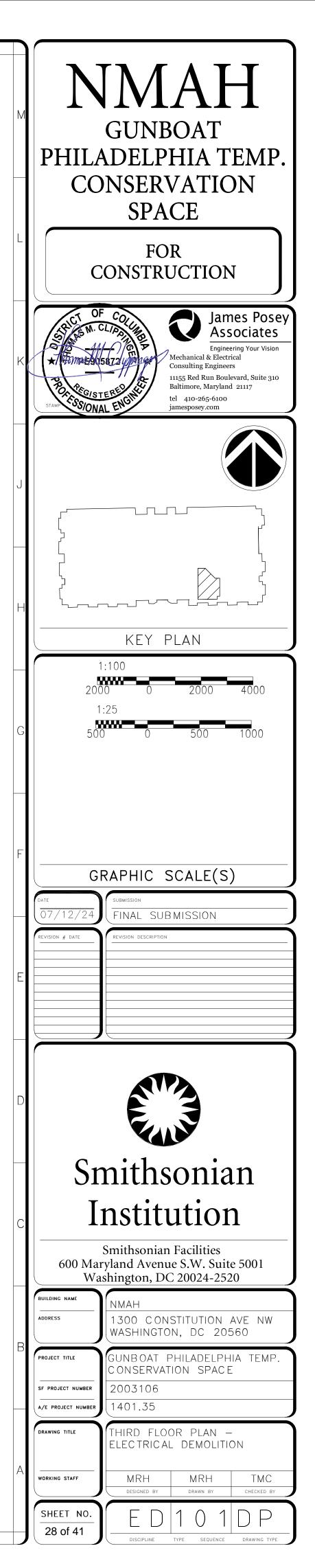
WHERE EXISTING SYSTEMS ARE EXTENDED OR MODIFIED, CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD SURVEY AND LOCATION OF EXISTING PIPING.

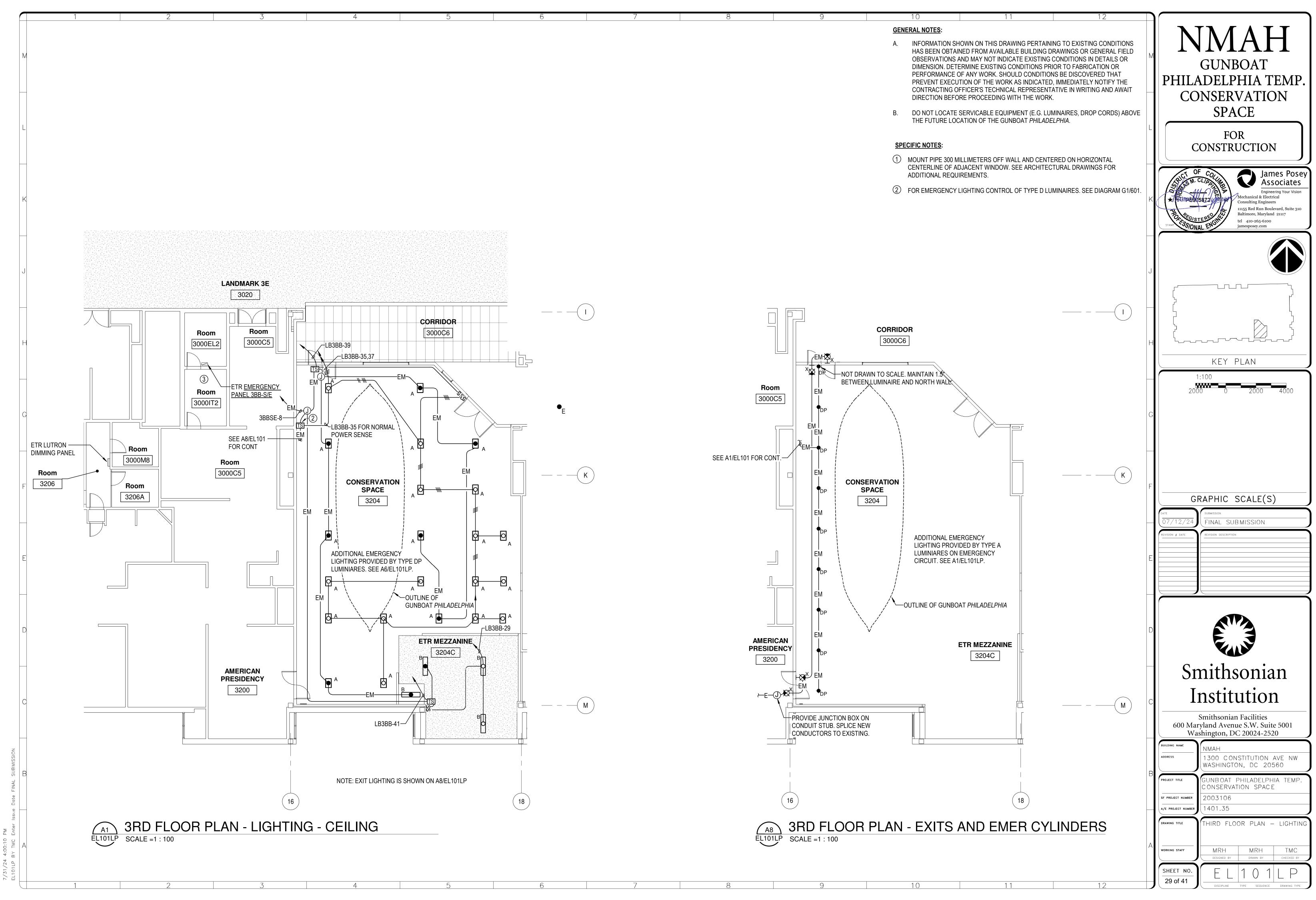


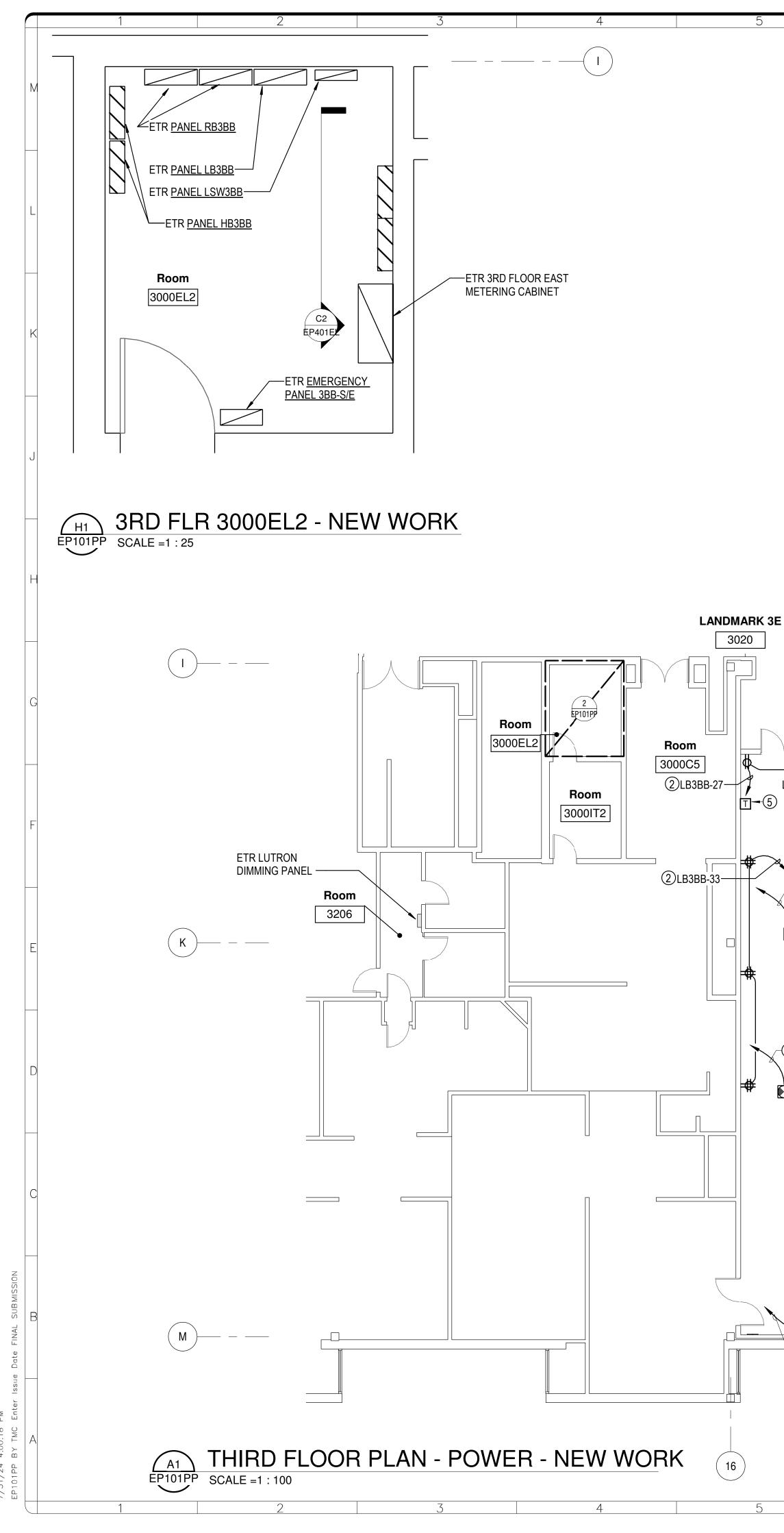
			LECTRICAL SYMBOLS AND ABBREVATIONS		
	DEMOLITION		WIRING		LIGHTING
	 REMOVE EXISTING CONDUCTORS AND CABLE ASSEMBLIES. REMOVE EXISTING RACEWAYS UNLESS OTHERWISE NOTED. RACEWAYS EMBEDDED IN MASONRY MAY BE ABANDONED. REMOVE EXISTING DUPLEX OR DOUBLE-DUPLEX NEMA 5-20R RECEPTACLE. REMOVE BOX. REMOVE ASSOCIATED WIRING TO SOURCE UNLESS OTHERWISE NOTED. DISCONNECT EXISTING ELECTRIC MOTOR (AND ASSOCIATED DISCONNECTING MEANS, IF ANY). REMOVE ASSOCIATED WIRING TO SOURCE UNLESS OTHERWISE NOTED. REMOVE EXISTING KEY SWITCH. REMOVE ASSOCIATED WIRING TO SOURCE UNLESS OTHERWISE INDICATED. REMOVE EXISTING CEILING-, WALL-, OR PENDANT-MOUNTED LUMINAIRE. REMOVE ASSOCIATED WIRING TO SOURCE UNLESS OTHERWISE INDICATED. REMOVE EXISTING EXIT SIGN. REMOVE ASSOCIATED WIRING TO SOURCE UNLESS OTHERWISE INDICATED. REMOVE EXISTING FIRE ALARM PULL STATION. PROTECT FOR REUSE. REMOVE RACEWAY BACK TO FIRST JOINT BEYOND AREA OF DEMOLTION. PULL CONDUCTORS BACK TO FIRST DEVICES UPSTREAM AND DOWNSTREAM. PROVIDE TEMPORARY CONTINUITY WIRING AND PROGRAMMING AS NEEDED TO MAINTAIN REMAINDER OF FIRE ALARM SYSTEM FULLY OPERATIONAL. REMOVE EXISTING DOOR CONTACTS AND WIRING TO SOURCE. MAINTAIN EXISTING TO REMOVE EXISTING DOOR CONTACTS AND WIRING TO SOURCE. MAINTAIN EXISTING TO REMOVE EXISTING DOOR CONTACTS AND WIRING TO SOURCE. MAINTAIN EXISTING TO REMOVE EXISTING AND PROGRAMMING AS NEEDED TO MAINTAIN EXISTING TO REMOVE EXISTING AND PROGRAMMING AS NEEDED TO MAINTAIN EXISTING TO REMOVE EXISTING AND PROGRAMMING AS NEEDED TO MAINTAIN EXISTING TO REMOVE EXISTING DOOR CONTACTS AND WIRING TO SOURCE. MAINTAIN EXISTING TO REMAIN SECURITY DEVICES IN OPERATION. COORDINATE WORK WITH SI OPS AND COTR. SEE TY DRAWINGS AND SECURITY SPECIFICATION SECTIONS FOR ADDITIONAL REQUIREMENTS. 		RACEWAY AND CONDUCTORS. RUN RACEWAY CONCEALED IN WALLS AND ABOVE CEILINGS. (RACEWAY MAY BE RUN EXPOSED IN SUPPORT SPACES SUCH AS MECHANICAL AND ELECTRICAL ROOMS OR IN LOADING DOCKS AND RECEIVING ROOMS). PROVIDE PULL ROPE FOR EMPTY RACEWAY. NUMBER OF HASH MARKS INDICATES NUMBER OF CONDUCTORS LESS GROUND. WHERE THERE ARE NO HASH MARKS, TWO CONDUCTORS PLUS GROUND ARE INDICATES. NUMBER OF CIRCUITS UNLESS OTHERWISE NOTED. NUMBER OF HASH MARKS INDICATES NUMBER OF PHASE AND NEUTRAL CONDUCTORS LESS GROUND UNLESS OTHERWISE NOTED. WHERE NO HASH MARKS APPEAR, TWO CONDUCTORS PLUS GROUND ARE IMPLIED. PROVIDE EQUIPMENT GROUNDING CONDUCTOR. REFER TO PANEL SCHEDULES FOR CONDUCTOR AND RACEWAY SIZES UNLESS OTHERWISE NOTED. WIRING ON AN EMERGENCY CIRCUIT. CEILING-MOUNTED JUNCTION BOX WITH BLANK COVER PLATE. WALL-MOUNTED JUNCTION BOX WITH BLANK COVER PLATE. CATEGORY 5E CABLE IN RACEWAY.		ANY LUMINAIRE WHOSE CENTER IS SOLID IS CONNECTED TO EMERGENCY POWER.
K	REMOVE EXISTING KEYPAD AND WIRING TO SOURCE. MAINTAIN EXISTING TO REMAIN SECURITY DEVICES IN OPERATION. COORDINATE WORK WITH SI OPS AND COTR. SEE TY DRAWINGS AND SECURITY SPECIFICATION SECTIONS FOR ADDITIONAL REQUIREMENTS.		POWER		
Ŷ. Ţ	REMOVE EXISTING SECURITY DEVICE AND WIRING TO SOURCE. MAINTAIN EXISTING TO REMAIN SECURITY DEVICES IN OPERATION. COORDINATE WORK WITH SI OPS AND COTR. SEE TY DRAWINGS AND SECURITY SPECIFICATION SECTIONS FOR ADDITIONAL REQUIREMENTS. REMOVE EXISTING SECURITY CAMERA AND WIRING TO SOURCE. MAINTAIN EXISTING TO REMAIN SECURITY CAMERAS IN OPERATION. COORDINATE WORK WITH SI OPS AND COTR. SEE TY DRAWINGS AND SECURITY SPECIFICATION SECTIONS FOR ADDITIONAL REQUIREMENTS.		 SPECIAL RECEPTACLE OR CONNECTION TO EQUIPMENT AS NOTED. DUPLEX GROUNDING TYPE NEMA 5-20R CONVENIENCE RECEPTACLE, 457 MILLIMETERS (EIGHTEEN INCHES) ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. RECEPTACLE AS ABOVE, GROUND-FAULT CIRCUIT INTERRUPTER TYPE, 1219 MILLIMETERS (FORTY-EIGHT INCHES) ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. QUADRUPLEX (DOUBLE DUPLEX) RECEPTACLE, GROUNDING TYPE NEMA 5-20R CONVENIENCE RECEPTACLE, 457 MILLIMETERS (EIGHTEEN INCHES) ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. QUADRUPLEX AS ABOVE, 1524 MILLIMETERS (SIXTY INCHES) ABOVE FINISHED FLOOR. 		
	EXISTING TO REMAIN	Ø	120 VOLT CORD REEL. SEE DETAIL A9/EP401PP. CONNECTION TO ELECTRIC MOTOR.		
EOL		D	SAFETY SWITCH DISCONNECT, RATED FULL HORSEPOWER AS NEEDED UNLESS OTHERWISE NOTED.		
	→ EXISTING TO REMAIN OVERHEAD POWER BUS FOR LIGHTING. → EXISTING TO REMAIN UNDERFLOOR POWER DUCT FOR RECEPTACLES		ELECTRICAL PANELBOARD (NEW OR EXISTING) 120/208-VOLT, SURFACE-MOUNTED.		SYSTEMS
(J _{UD}) ●E E (S) (S) (E) (C)	EXISTING TO REMAIN ELECTRIC METER. EXISTING TO REMAIN SMOKE DETECTOR. EXISTING TO REMAIN FIRE ALARM CEILING-MOUNTED SPEAKER. EXISTING TO REMAIN FIRE ALARM CEILING-MOUNTED STROBE.	-≪ ⊡ ∳	ELECTRICAL PANELBOARD (NEW OR EXISTING) 277/480-VOLT, SURFACE-MOUNTED. 208-VOLT RECEPTACLE. CONFIRM CONFIGURATION WITH CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE. CONTROL POWER TRANSFORMER. MOUNT ON WALL 457 MILLIMETERS (EIGHTEEN INCHES) BELOW CEILING. WALL BOX SERVICE FITTING FOR POWER AND COMMUNICATIONS. PROVIDE NEMA 5-20R RECEPTACLE AND PLATE. LOCATION IS DIAGRAMMATIC. COORDINATE EXACT ELEVATION AND LOCATION WITH INSTALLATION OF MONITOR.	F CM MM K DC R	DATA OUTLET, 457 MM (EIGHTEEN INCHES) ABOVE FINISHED FLOOR, WITH 21 MM (3/4") EMPTY RACEWAY WITH PULL ROPE (UNLESS OTHER SIZE IS NOTED) TO DATA ROOM INDICATED, FLUSH OR SURFACE MOUNTED. IF NO ROOM INDICATED, RUN CONDUIT TO ROOM 3000IT2. REINSTALL PULL STATION PREVIOUSLY REMOVED. SURFACE-MOUNT ON WALL 1219 MM (48") ABOVE FINISHED FLOOR. CONNECT TO NOTIFICATION APPLIANCE CIRCUIT PREVIOUSLY SERVING PULL STATION. USE SURFACE-MOUNTED WIRING. REMOVE CONTINUITY WIRING INSTALLED WHEN PULL STATION WAS REMOVED. RESTORE FIRE ALARM SYSTEM TO ITS ORIGINAL CONDITION. FIRE ALARM SYSTEM CONTROL MODULE. MOUNT ADJACENT TO CONTROLLED DEVICE. FIRE ALARM SYSTEM MONITORING MODULE. OUTLET BOX FOR KEYPAD. SEE DETAIL H6/EP410EL. DOOR CONTACTS. SEE DETAIL H6/EP410EL. RELAY. MOUNT ON WALL 457 MILLIMETERS (EIGHTEEN INCHES) BELOW CEILING.
Ē	EXISTING TO REMAIN FIRE ALARM CEILING-MOUNTED SPEAKER-STROBE.			Y	WALL BOX SERVICE FITTING FOR POWER AND COMMUNICATIONS. LOCATION IS DIAGRAMMATIC. COORDINATE EXACT ELEVATION AND LOCATION WITH INSTALLATION OF MONITOR. PROVIDE PULL STRING FROM DATA COMPARTMENT TO ROOM 3000IT2.











7/31/24 4:00:18 PM EP101PP BY TMC Ente

GENERAL NOTES:

SPECIFIC NOTES:

- INDICATED.
- INDICATED.
- Room 3303 Room 3000M6 -ETR <u>PANEL LP3CB</u> FREIGHT ELEVATOR 3000E8 CORRIDOR 3000C6 _ LB3BB-21-Ţ_5 UUUD -3 LB3BB-32 😿 LB3BB-23--(3) LB3BB-30 ┌─(4) <u>ر</u>ف TERMINAL UNIT 11.99 $\mathbf{\Theta}$ 14.7KW-480V-3Ø -3 LB3BB-36 AMPU STORAGE CONSERVATION 3205 \bigcirc SPACE 3204 -3 LB3BB-42 <u>3</u>LB3BB-38 \bigcirc -OUTLINE OF GUNBOAT PHILADELPHIA 2 LB3BB-28 ETR MEZZANINE 3204C ╧╧╼╼╼╢╟╤ -457MM (18") AFF OF MEZZAŃINE AMPU STORAGE 3205A -2 LB3BB-31 18

A. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE EXISTING CONDITIONS IN DETAILS OR DIMENSION. DETERMINE EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, IMMEDIATELY NOTIFY THE CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.

DO NOT LOCATE SERVICABLE EQUIPMENT (E.G. LUMINAIRES, DROP CORDS) ABOVE THE FUTURE LOCATION OF THE GUNBOAT PHILADELPHIA.

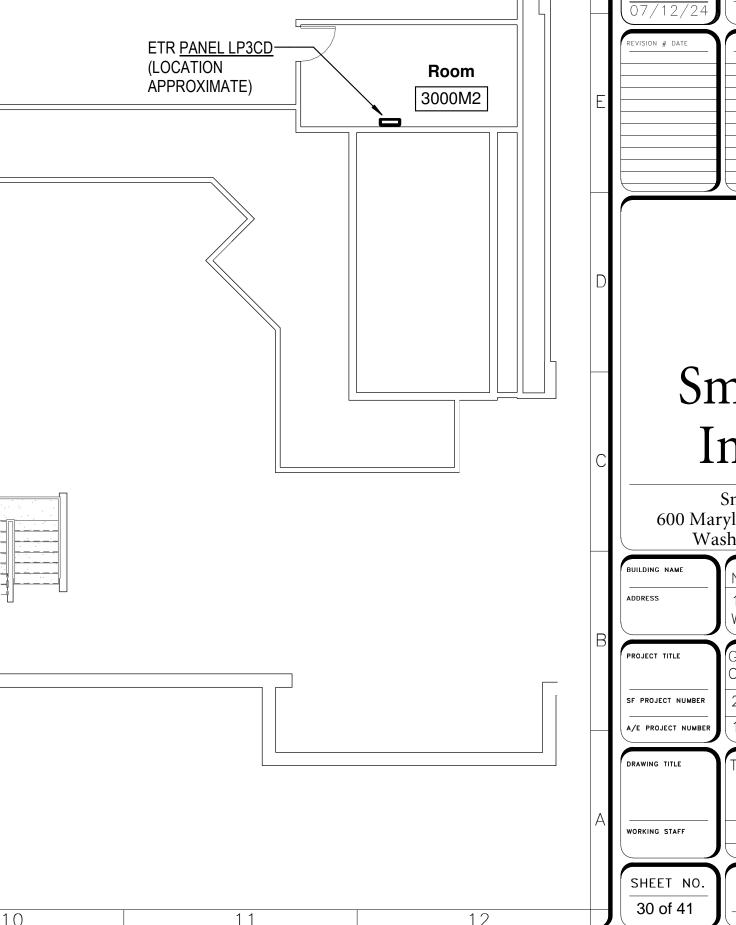
1 THREE #10, #10 EQUIPMENT GROUNDING CONDUCTOR, 21 MM (3/4") RACEWAY TO PANEL. PROVIDE NEW THREE-POLE THIRTY-AMPERE CIRCUIT BREAKER IN SPACE

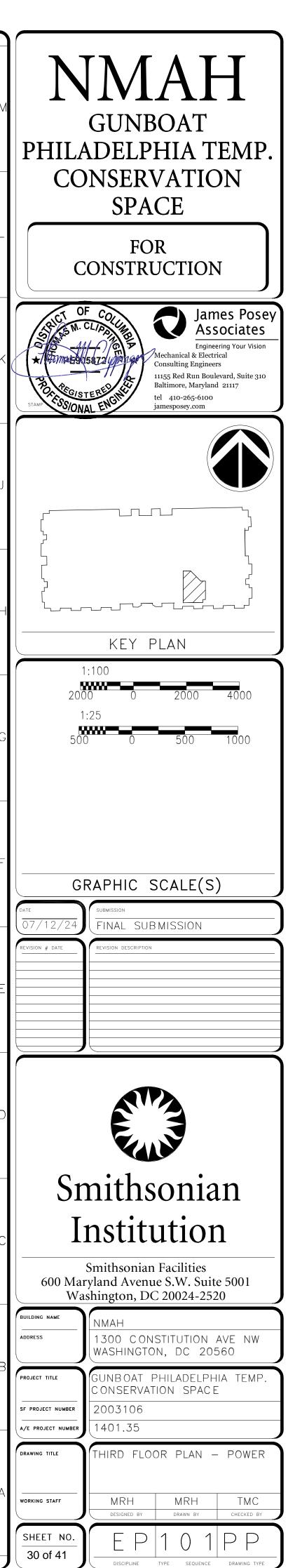
(2) TWO #12, #12 EQUIPMENT GROUNDING CONDUCTOR, 21 MM (3/4") RACEWAY TO EXISTING SPARE ONE-POLE TWENTY-AMPERE CIRCUIT BREAKER.

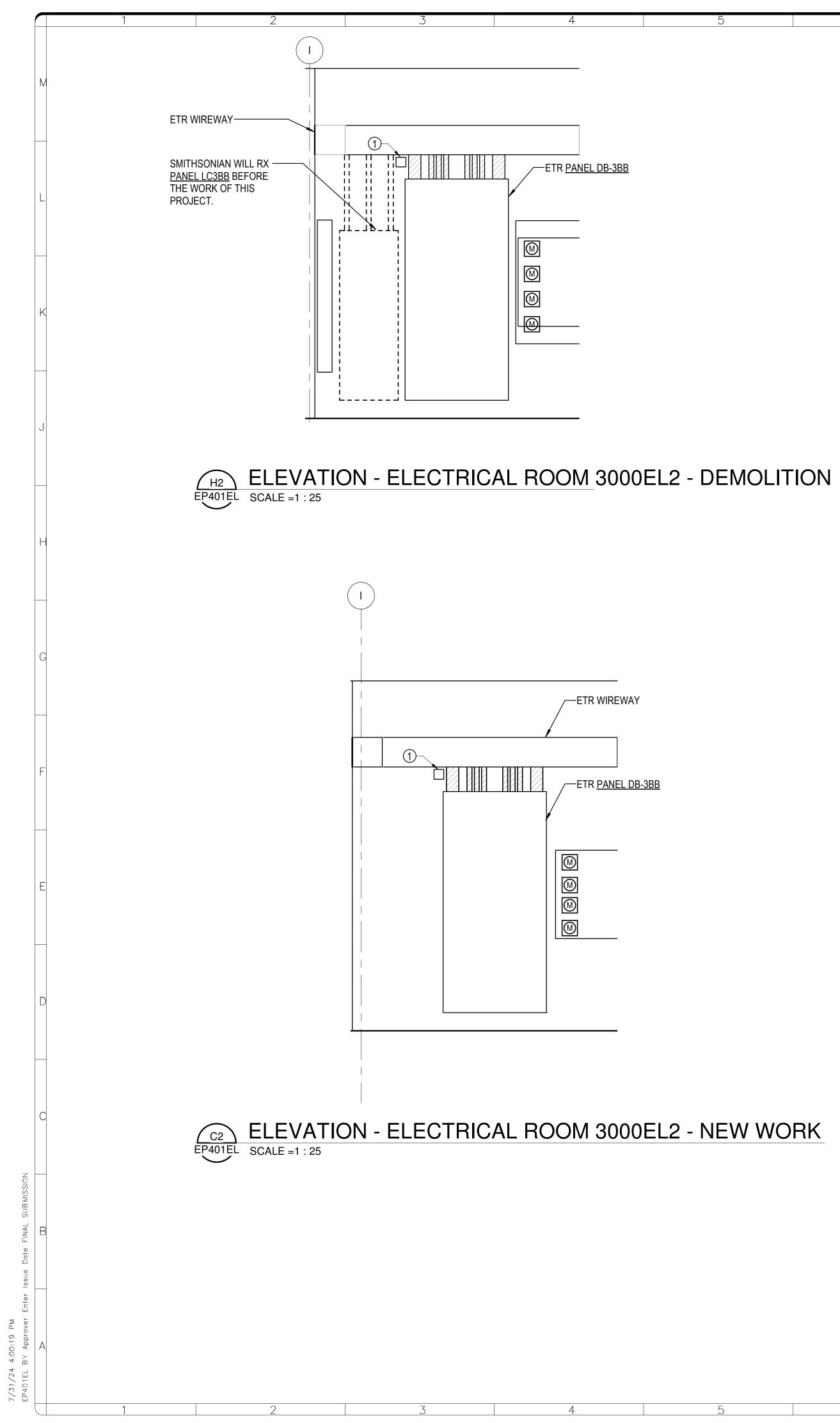
(3) TWO #12, #12 EQUIPMENT GROUNDING CONDUCTOR, 21 MM (3/4") RACEWAY TO PANEL. PROVIDE NEW ONE-POLE TWENTY-AMPERE CIRCUIT BREAKER IN SPACE

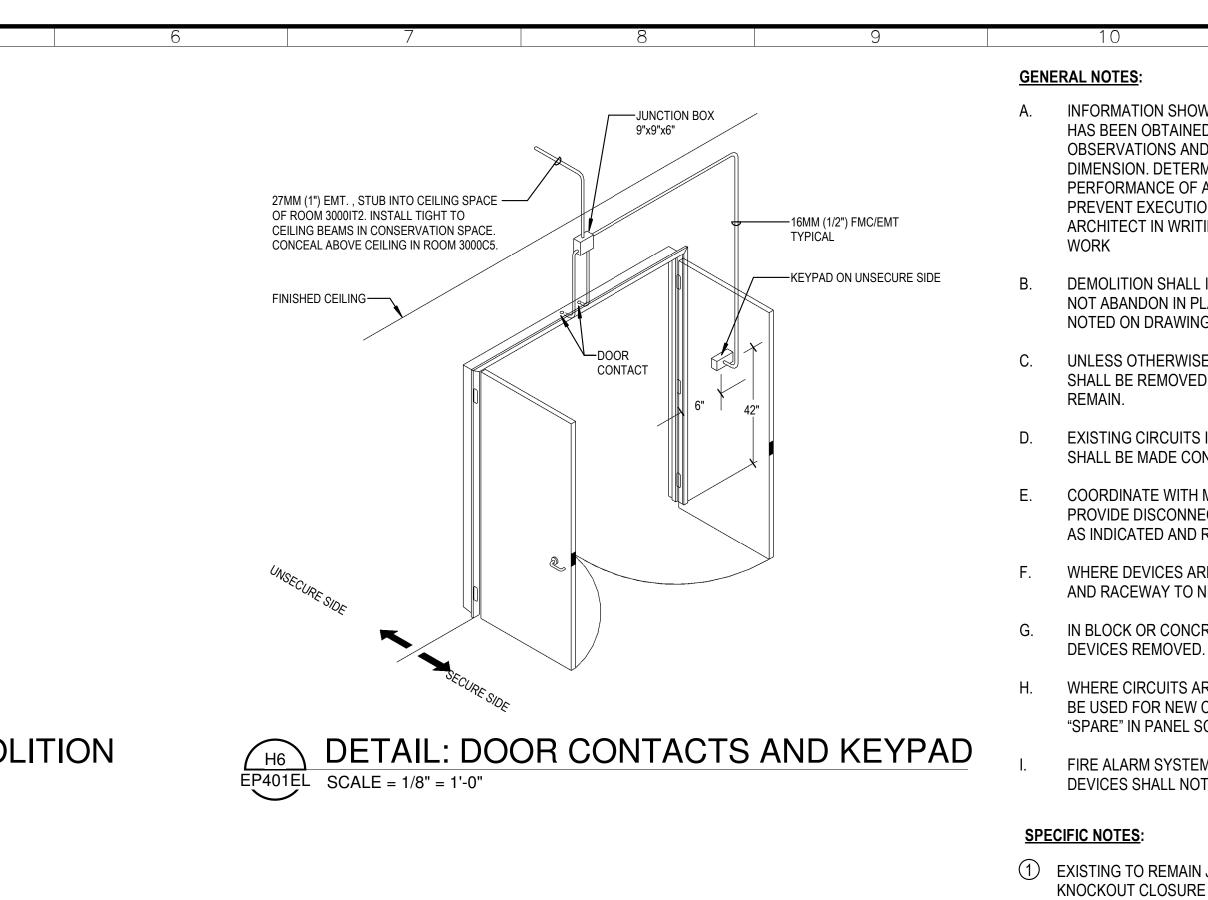
(4) THREE-POLE THIRTY-AMPERE 480-VOLT FUSED SAFETY SWITCH, NEMA ONE ENCLOSURE. PROVIDE FUSES PER EQUIPMENT NAMEPLATE. LOCATION ON DRAWINGS IS DIAGRAMMATIC: MOUNT ADJACENT TO UNIT.

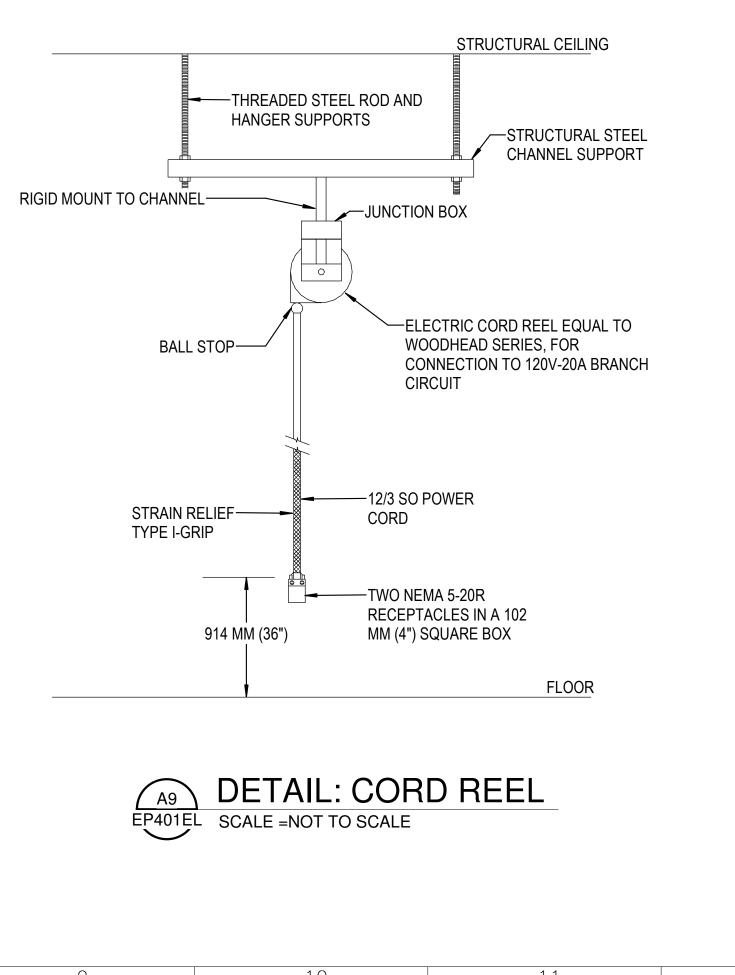
5 FOR EMERGENCY LIGHTING CONTROL OF TYPE D LUMINAIRES. SEE DIAGRAM G1/601.













INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE EXISTING CONDITIONS IN DETAILS OR DIMENSION. DETERMINE EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE

DEMOLITION SHALL INCLUDE REMOVAL AND OFF-SITE DISPOSAL OF MATERIALS. DO NOT ABANDON IN PLACE ANY ELECTRICAL COMPONENTS UNLESS OTHERWISE NOTED ON DRAWINGS.

UNLESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN HEAVY DASHED (- - - -) SHALL BE REMOVED AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (______) SHALL

EXISTING CIRCUITS INTERRUPTED BY DEMOLITION BUT WHICH ARE TO REMAIN SHALL BE MADE CONTINUOUS.

COORDINATE WITH MECHANICAL WORK SHOWN ON MECHANICAL DRAWINGS AND PROVIDE DISCONNECTIONS AND NEW CONNECTIONS OF MECHANICAL EQUIPMENT AS INDICATED AND REQUIRED.

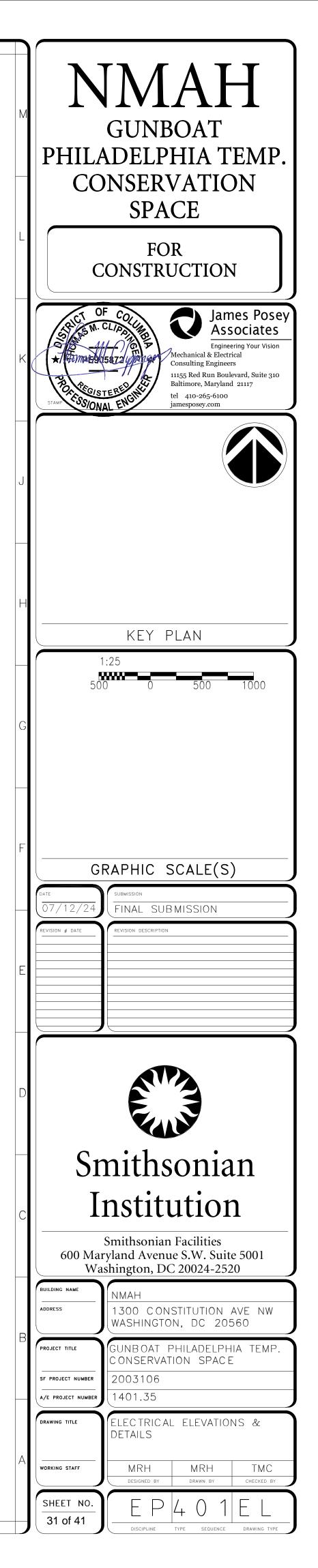
WHERE DEVICES ARE TO BE REMOVED AND REINSTALLED, EXTEND EXISTING WIRE AND RACEWAY TO NEW LOCATION AS REQUIRED.

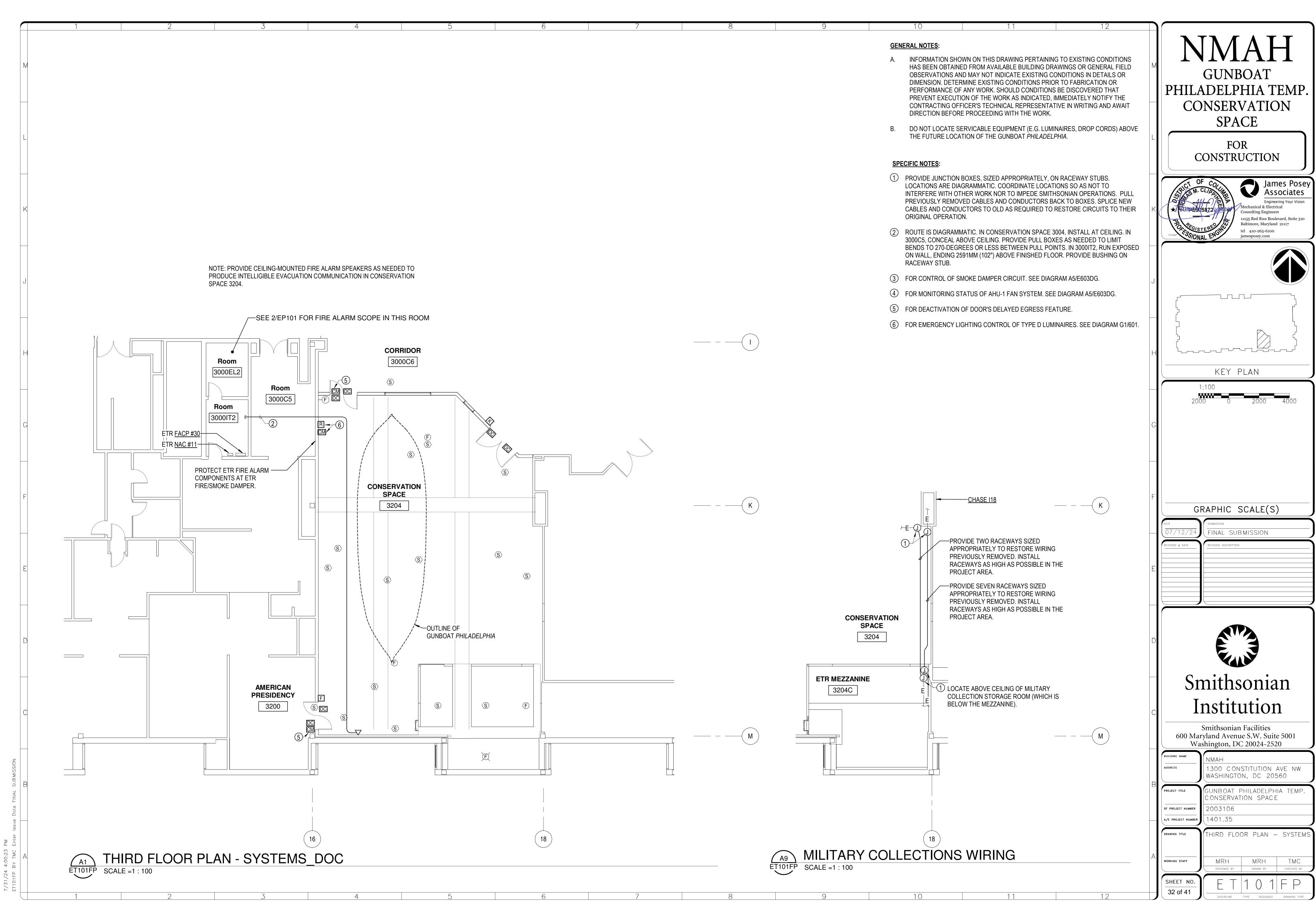
IN BLOCK OR CONCRETE WALLS TO REMAIN, PROVIDE BLANK COVER PLATES FOR

WHERE CIRCUITS ARE REMOVED BACK TO PANELS, ASSOCIATED BREAKERS MAY BE USED FOR NEW CIRCUITS. IF NOT REUSED. THEN MARK CIRCUIT BREAKERS AS "SPARE" IN PANEL SCHEDULE, AND LEAVE CIRCUIT BREAKERS IN THE OFF POSITION.

FIRE ALARM SYSTEM SHALL STAY IN OPERATION. DEMOLITION OF FIRE ALARM DEVICES SHALL NOT AFFECT OPERATION OF REMAINING DEVICES.

(1) EXISTING TO REMAIN JUNCTION BOX OF LUTRON CONTROL SYSTEM. PROVIDE KNOCKOUT CLOSURE PLUG IN OPENING AT BOTTOM OF BOX.





					_
ТҮРЕ		DESCRIPTION			
Туре А	HIGH-BAY DIFFUSE LENS W	DESCRIPTION	LIGHT, 4000K, 0-10V DIMMING, 80		
Туре В	1219MM INDUSTRIAL, 4000K,			LE	_
Type DP	CORD-MOUNTED, BLACK, BL			LE	
Туре Х	EDGE-LIT GREEN EXIT SIGN, AS INDICATED	LED, CEILING- OR WALL-M	OUNT AS INDICATED, ONE- OR T	WO-FACED	ΞI
N (1 F E T 1 2	 WHEN NORMAL POWER FAILS, I TYPE D LUMINAIRES. WHEN FIRE ALARM SYSTEM IS I RELAY CONTACTS OPEN, SIMUL 	SENT, AND FIRE ALARM SYSTEM I EMERGENCY LIGHTING TRANSFE N ALARM, CONTROL MODULE COL LATING NORMAL POWER FAILURE	OV NORMAL POWER SENSE CONDUCT 120V EMERGENCY CIRCUIT ADDITIONAL TYPE D LUMINAIRES S NOT IN ALARM, TYPE D LUMINAIRES R RELAY DEVICE ALLOWS EMERGENC NTACTS CLOSE. 24V COIL IN RELAY IS E. EMERGENCY LIGHTING TRANSFER R	REMAIN OFF. Y POWER TO ENERGIZED.	
Ē	ALLOWS EMERGENCY POWER ⁻ <u>TYPE D LUN</u>		BOAT RESTORATION SPACE		
	<u>OUALL. NO OUALL</u>				

5			6	7	5	3 9			10
	SCHEDUI	E						<u>GEN</u>	
LAMP	DESIGN CRITERIA	MIN EFFICACY	BASIS OF DESIGN MODEL	BASIS OF DESIGN L MANUFACTURER		MOUNTING	COMMENTS	A.	INFOI HAS I
LED LED	16000 lm 7759 lm	95 lm/W 148 lm/W	GP2-L200/840-W-DIM-UNV 76-4-L77-8-40-UNV	HE WILLIAMS HE WILLIAMS		PENDANT PENDANT MOUNT BELOW BOTTOM OF HVAC DUCT			OBSE DIME PERF PREV
LED	641 lm		LTC-3RD-DM15BLPCC-06L50 M1-SBL-BL-BAA	JK8MD-D PRESCOLITE	120 V	CORD, 11' AFF			ARCH WOR
LED			SLEDN-A-G-C-D-*	LIGHTALARMS	277 V	SURFACE AT 7'-6"		В.	DEMC NOT A
								C. D.	NOTE SHAL REMA EXIST SHAL
			Ĩ					E.	COOF PROV AS IN
		120\	/ NORMAL POWER					F.	Whef And F
	TOGGLE	E SWITCH (——120V EMERGE	ENCY CIR	CUIT		G.	in Blo Devic
		ENCY LIGH ER RELAY		TYPE A OR TYPE B LUM USED FOR EMERGENC		١G		H.	WHEF BE US "SPAF
1.	WHEN NORM	AL POWER	EM 호 R IS PRESENT, IT PASSES THROUG					I.	FIRE / DEVIC

1. WHEN NORMAL POWER IS PRESENT, IT PASSES THROUGH THE EMERGENCY LIGHTING TRANSFER RELAY DEVICE AND THROUGH THE TOGGLE SWITCH TO THE EMERGENCY LUMINAIRES (TYPE A OR B). LUMINAIRES CAN BE TURNED

ON OR OFF VIA THE TOGGLE SWITCH.
 2. WHEN NORMAL POWER FAILS, EMERGENCY LIGHTING TRANSFER RELAY DEVICE CONNECTS EMERGENCY POWER DIRECTLY TO EMERGENCY LUMINAIRES.

TYPE A AND B LUMINAIRES IN CEILING OF GUNBOAT RESTORATION SPACE

1 1

. NOTES:

ORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS S BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD SERVATIONS AND MAY NOT INDICATE EXISTING CONDITIONS IN DETAILS OR MENSION. DETERMINE EXISTING CONDITIONS PRIOR TO FABRICATION OR RFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT EVENT EXECUTION OF THE WORK AS INDICATED, IMMEDIATELY NOTIFY THE CHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE DRK

11

MOLITION SHALL INCLUDE REMOVAL AND OFF-SITE DISPOSAL OF MATERIALS. DO T ABANDON IN PLACE ANY ELECTRICAL COMPONENTS UNLESS OTHERWISE TED ON DRAWINGS.

ILESS OTHERWISE NOTED, ELECTRICAL ITEMS SHOWN HEAVY DASHED (----) IALL BE REMOVED AND ELECTRICAL ITEMS SHOWN LIGHT SOLID (------) SHALL IMAIN.

ISTING CIRCUITS INTERRUPTED BY DEMOLITION BUT WHICH ARE TO REMAIN ALL BE MADE CONTINUOUS.

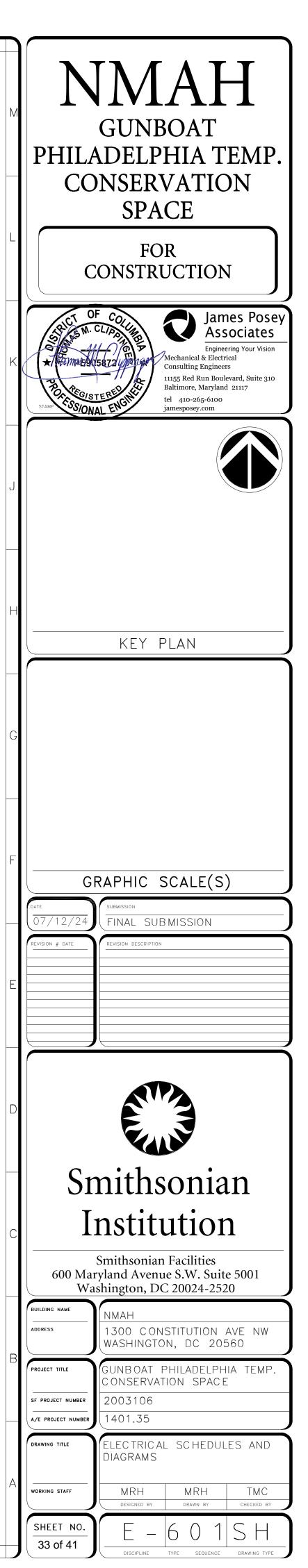
ORDINATE WITH MECHANICAL WORK SHOWN ON MECHANICAL DRAWINGS AND OVIDE DISCONNECTIONS AND NEW CONNECTIONS OF MECHANICAL EQUIPMENT INDICATED AND REQUIRED.

IERE DEVICES ARE TO BE REMOVED AND REINSTALLED, EXTEND EXISTING WIRE D RACEWAY TO NEW LOCATION AS REQUIRED.

BLOCK OR CONCRETE WALLS TO REMAIN, PROVIDE BLANK COVER PLATES FOR VICES REMOVED.

ERE CIRCUITS ARE REMOVED BACK TO PANELS, ASSOCIATED BREAKERS MAY USED FOR NEW CIRCUITS. IF NOT REUSED, THEN MARK CIRCUIT BREAKERS AS ARE" IN PANEL SCHEDULE, AND LEAVE CIRCUIT BREAKERS IN THE OFF POSITION.

E ALARM SYSTEM SHALL STAY IN OPERATION. DEMOLITION OF FIRE ALARM VICES SHALL NOT AFFECT OPERATION OF REMAINING DEVICES.



ETR WIRING PANEL SCHEDULE 3BBSE 3 PHASE 4 WIRE 120 / 208 VOLTS 225 AMP BUS S CIR- PO... WIRE / BREAKER KVA / Ø CIR- POLE DESC DESCRIPTION CONDUIT POLE AMP ВØ CUIT ΑØ СØ 1 1 JB-FIRE DOOR ETR 2 2 EM/LTS ELEC/ 1 | 20 ETR 4 4 SPARE 3 3 JB-FACP 1 20 -5 | 5 |JB-DGP ETR 1 20 6 6 F/A 3RD E 7 | 7 |JB-CCTV ETR 8 8 EM LTG GUNE 1 | 20 | - 1.3 20 10 | 10 | SPARE 9 9 REC 3027 & FCU-K CP ETR 1 11 | 11 | FEC IT ROOM 3029 & CP ETR 20 12 | 12 | SPARE 1 14 | 14 | SPARE 13 | 13 | OLD IT SEC PANEL ETR 1 | 20 16 | 16 | SPARE 15 | 15 | SPARE 20 1 -17 | 17 | SPARE 1 20 18 | 18 |SPARE -20 | 20 | IT ROOM L6-30 19 | 19 | SPARE 1 20 -21 21 SPARE 22 22 1 20 -23 23 SPARE 24 24 IT ROOM REC 1 | 20 -25 | 25 | SPARE 26 | 26 | IT ROOM L6-30 1 20 -27 27 SPARE 28 28 1 20 -29 | 29 | SPARE 20 30 30 IT ROOM REC 1 -32 32 SPARE 31 | 31 | SPARE 1 20 -33 | 33 | SPARE 34 34 SPARE 1 20 -35 | 35 | SPARE 20 36 | 36 | SPACE AND P -1 37 | 37 | SPARE 2 30 38 38 3BB-EDIM 40 40 3BB-EDIM 39 39 SPARE -- | --41 | 41 | SPACE AND PROVISION 42 | 42 | 3BB-EDIM -PANEL IS A SQUARE D NQO SERIES. CIRCUIT BREAKERS ARE EXISTING TO REMAIN UON. MAIN CI NOTE 1: USE EXISTING SPARE CIRCUIT BREAKER. UPDATE PANELBOARD SCHEDULE. LOCATION: ELECTRICAL CLOSET 3000EL2 MIN AIC RATING = <u>10,000</u> AMPS SYMMETRICAL ETR WIRING PANEL SCHEDULE LB3BB 120 / 208 VOLTS 3 PHASE 4 WIRE 400 AMP BUS SU CIR- PO... WIRE / BREAKER KVA / Ø CIR- POLE DESCRI DESCRIPTION CONDUIT POLE AMP AØ BØ CØ CUIT 1 | 1 | LDIM - 3BB 3 | 200 | 3.78 | 8.67 | 2 2 LDIM - SL ETR ETR 3.78 8.67 3 3 -4 4 -5 5 -ETR 3.78 8.67 6 6 ETR 8 8 TOILET LTG (XN 7 | 7 |LSW - 3BB 3 | 100 | 3.63 | 1.12 10 10 EXISTING LTG ETR 3.63 1* 9 9 -11 | 11 |-ETR 3.63 1* 12 12 EXISTING LTG 13 | 13 | SPARE 14 | 14 | SPARE 3 60 -- 1 16 16 15 | 15 | ---17 | 17 | 18 | 18 | -- -#12/21C 1 | 20 | **.36** | 1* 20 | 20 | EXISTING LTG 19 19 WINDOW QUAD RM 3204 (2) **.36** 1* #12/21C 20 22 | 22 | EXISTING LTG 21 | 21 | WINDOW QUAD RM 3204 (2) #12/21C .36 | 1* | 24 | 24 | EXISTING LTG 23 | 23 | **DOOR QUAD RM 3204 (2)** 20 25 | 25 | LC - 3BB CONTROL ETR 1 | 20 | 0.1 | 1* 26 | 26 | EXISTING LTG 27 27 NORTH, EAST REC RM 3204 (NOTE 2) #12/21C 0.9 0.18 20 28 | 28 | **REC RM 3204 N** 1 #12/21C 20 **0.1** | **0.36** | 30 | 30 | CORD REEL RM 3204 29 | 29 | **MEZZ STORAGE LTG (2)** 1 20 1.08 0.36 31 31 SOUTH REC RM 3204 (NOTE... #12/21C 32 32 CORD REEL RM 3204 33 33 WEST REC RM 3204 (NOTE 3) 2#12,#12G 1 20 1.08 34 34 SPACE AND PR 35 | 35 | GB EXHIBIT NORTH HIBAYS... | 2#12,#12G | 1 20 **1.3 0.36** 36 36 CORD REEL RM 3204 37 | 37 | **GB EXHIBIT SOUTH HIBAYS...** | **2#12,#12G** | **1** | **20** | **1.1** | **0.4** 38 38 CORD REEL RM 3204 39 39 **GB EXHIBIT EMER HIBAYS (3)** 2#12,#12G 1 20 1.2 40 40 SPACE AND PR 41 41 MEZZ STORAGE LTG (NOTE... 2#12,#12G 1 20 0.1 0.36 42 42 CORD REEL RM 3204 PANEL IS A SQUARE D MODEL NF. CIRCUIT BREAKERS ARE EXISTING TO REMAIN UON. NOTE 1: REUSE BREAKER THAT SERVED OLD LC3BB. NOTE 2: USE EXISTING SPARE CIRCUIT BREAKER. NOTE 3: PROVIDE NEW SQUARE D EGB FRAME CIRCUIT BREAKER IN EXISTING SPACE. LOCATION: ELECTRICAL CLOSET 3000EL2 MIN AIC RATING = 65,000 AMPS SYMMETRICAL

:34 TMC 4:4 ∀ /31/24 -602SH

GENERAL NOTES:

SURFACE MO			
CRIPTION	WIRE /	BREA	
/IT CLOSET	CONDUIT ETR	POLE 1	AMP 20
		1	20
	ETR	1	20
BOAT SUITE (1)	#10/21C	1	20
	-	1	20
	-	1	20
	-	1	20
	-	1	20
	-	1	20
30R	ETR	2	30
	ETR	-	-
)	ETR	1	20
30R	ETR	2	20
	ETR	-	-
)	ETR	1	20
	-	1	30
	-	1	30
PROVISION	-	1	30
	ETR	3	30
	ETR	-	-
	ETR	-	I
IRCUIT BREAKER	200	AMPE	RES

	ETR WIRING PANEL SCHEDULE HB3BB SECTION ONE																
		277 / 480 VOLTS	3 PHA	SE 4	WIF	RE		225 AMP BUS SURFACE MOUNTED									
CIR- CUIT	PO	DESCRIPTION	WIRE / CONDUIT		AKER AMP	A	Ø		A/Ø Ø	C	Ø	CIR- CUIT	POLE	DESCRIPTION	WIRE / CONDUIT	BRE/ POLE	
1	1	PANEL HB-SSB	ETR	3	100	10	1.5					2	2	TERMINAL UNIT TU.10.13	ETR	1	20
3	3	-	ETR	-	-			6.5	4.5			4	4	TERMINAL UNIT TU.10.24	ETR	1	20
5	5	-	ETR	-	-					5	3.5	6	6	TERMINAL UNITS TU.10.12 &	ETR	1	20
7	7	TERMINAL UNIT GUNBOAT (2)	RX	1	20	-	-					8	8	SPARE	-	1	20
9	9	SPARE	-	1	20			-	-			10	10	SPARE	-	1	20
11	11	SPARE	-	1	20					-	-	12	12	SPARE	-	1	20
13	13	TERMINAL UNIT TU.10.37	ETR	3	20	2.17	3.5					14	14	TERMINAL UNIT TU.10.21	ETR	3	20
15	15	-	ETR	-	-			2.17	3.5			16	16	-	ETR	-	-
17	17	-	ETR	-	-					2.17	3.5	18	18	-	ETR	-	-
19	19	TERMINAL UNIT TU.10.25	ETR	3	20	3.5	3.17					20	20	TERMINAL UNIT TU.10.32	ETR	3	20
21	21	-	ETR	-	-			3.5	3.17			22	22	-	ETR	-	-
23	23	-	ETR	-	-					3.5	3.17	24	24	-	ETR	-	-
25	25	TERMINAL UNIT TU.10.39	ETR	3	20	2.17	-					26	26	TERMINAL UNIT 11.35	ETR	3	20
27	27	-	ETR	-	-			2.17	-			28	28	-	ETR	-	-
29	29	-	ETR	-	-					2.17	-	30	30	-	ETR	-	-
31	31	SPARE	-	3	20	-	-					32	32	SPARE (OFF)	-	3	20
33	33	-	-	-	-			-	-			34	34	-	-	-	-
35	35	-	-	-	-					-	-	36	36	-	-	-	-
37	37	TERMINAL UNIT 11.99	3 #10	3	30	5.0	-					38	38	SPARE (OFF)		3	20
39	39	SEE NOTE 1	#12G	-	-			5.0	-			40	40	-		-	-
41	41		21C	-	-					5.0	-	42	42	-		-	-
				-												_	

PANEL IS A SQUARE D MODEL. CIRCUIT BREAKERS ARE EXISTING TO REMAIN UON.

NOTE 1: PROVIDE SQUARE D EJB24030 NEW CIRCUIT BREAKER. TURN OVER EXISTING SPARE EDB24050 BREAKER TO COTR. UPDATE PANELBOARD... NOTE 2: TURN CIRCUIT BREAKER OFF. IT WILL BECOME SPARE. UPDATE PANELBOARD DIRECTORY.

MIN AIC RATING =

65,000 AMPS SYMMETRICAL

RIPTION	WIRE /		
	CONDUIT ETR	POLE	
		3	200
	ETR	-	-
• •	ETR	-	-
M)	ETR	1	20
	ETR	1	20
	ETR	1	20
	-	3	100
	-	-	-
	-	-	-
	ETR	1	20
MEZZ (NOTE 2)	#12/21C	1	20
04 (NOTE 2)	#12/21C	1	20
04 (NOTE 3-GFCI CB)	#12/21C	1	20
ROVISION		-	-
04 (NOTE 3-GFCI CB)	#12/21C	1	20
04 (NOTE 3-GFCI CB)	#12/21C	1	20
ROVISION		-	-
04 (NOTE 3-GFCI CB)	#12/21C	1	20

		277 / 480 VOLTS	ETR WI 3 PHA				E 225 AMP BUS							SURFACE MOUNTED			
CIR- CUIT	PO	DESCRIPTION	WIRE / CONDUIT	BRE	AKER		Ø	KV/ B	A/Ø Ø	С	Ø	CIR- CUIT	POLE	DESCRIPTION	WIRE / CONDUIT		AKER
43	43	TERMINAL UNIT TU.11.42	ETR	1	20	1.5	-					44	44	TERMINAL UNIT TU.10.40 (1)	RX	1	20
45	45	SPARE	ETR	-	1			-	-			46	46	SPARE	ETR	1	20
47	47	SPARE	ETR	-	210					-	-	48	48	SPARE	ETR	1	20
49	49	SPARE	ETR	1	20	-	-					50	50	SPARE	-	1	20
51	51	SPARE	ETR	1	20			-	-			52	52	SPARE	-	1	20
53	53	SPARE	ETR	1	20					-	-	54	54	SPARE	-	1	20
55	55	TERMINAL UNIT TU.11.31	RX	3	20	2.17	2.5					56	56	TERMINAL UNIT TU.11.34	ETR	3	20
57	57	BREAKER SHALL	RX	-	-			2.17	2.5			58	58	-	ETR	-	-
59	59	BECOME SPARE	RX	-	-					2.17	2.5	60	60	-	ETR	-	-
61	61	TERMINAL UNIT TU.11.32	RX	3	20	-	3.17					62	62	TERMINAL UNIT TU.11.36	ETR	3	20
63	63	BREAKER SHALL	RX	-	-			•	3.17			64	64	-	ETR	-	-
65	65	BECOME SPARE	RX	-	-					-	3.17	66	66	-	ETR	-	-
67	67	TERMINAL UNIT TU.11.33	RX	3	20	-	2.5					68	68	TERMINAL UNIT TU.11.37	-	3	20
69	69	BREAKER SHALL	RX	-	-			· .	2.5			70	70	-	-	-	-
71	71	BECOME SPARE	RX	_	-					-	2.5	72	72	-	-	-	-
73	73	SPACE AND PROVISION	-	_	-	-	-					74	74	SPACE AND PROVISION	-	-	-
75	75	SPACE AND PROVISION	-	_	-			· .	-			76	76	SPACE AND PROVISION	-	-	-
77	77	SPACE AND PROVISION	-	_	-					-	-	78	78	SPACE AND PROVISION	-	-	-
79	79	SPACE AND PROVISION	-	_	-	-	-					80	80	SPACE AND PROVISION	-	-	-
81	81	SPACE AND PROVISION	-	_	-			· .	-			82	82	SPACE AND PROVISION	-	-	-
83	83	SPACE AND PROVISION	_	_	-					-	-	84	84	SPACE AND PROVISION	-	-	-
79 81 83 PAI	79 81 83 NEL IS	SPACE AND PROVISION SPACE AND PROVISION		S ARE	- - EXIST		-			-	ATE C	80 82 84	80 82 84 T	SPACE AND PROVISION SPACE AND PROVISION SPACE AND PROVISION MAIN LUG ONLY	-		

65,000 AMPS SYMMETRICAL

MIN AIC RATING =

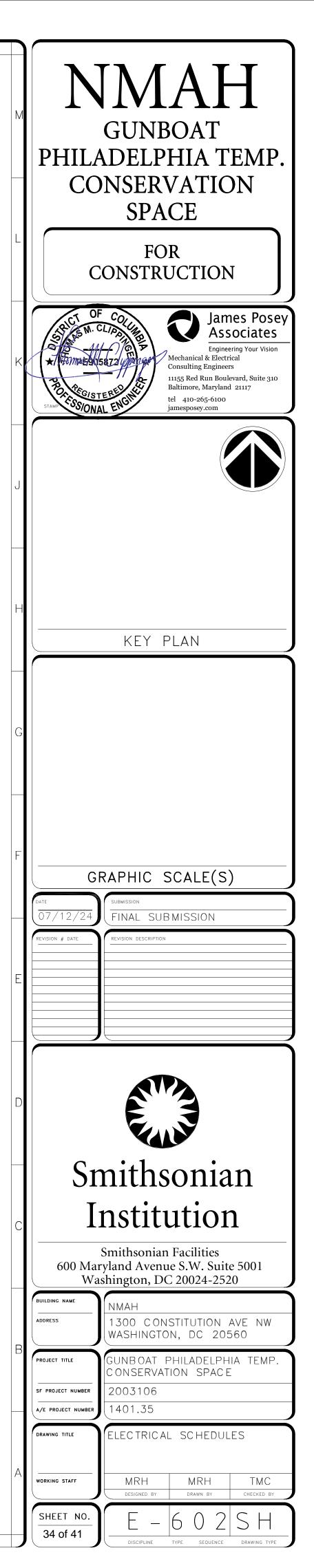
A. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE EXISTING CONDITIONS IN DETAILS OR DIMENSION. DETERMINE EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, IMMEDIATELY NOTIFY THE CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.

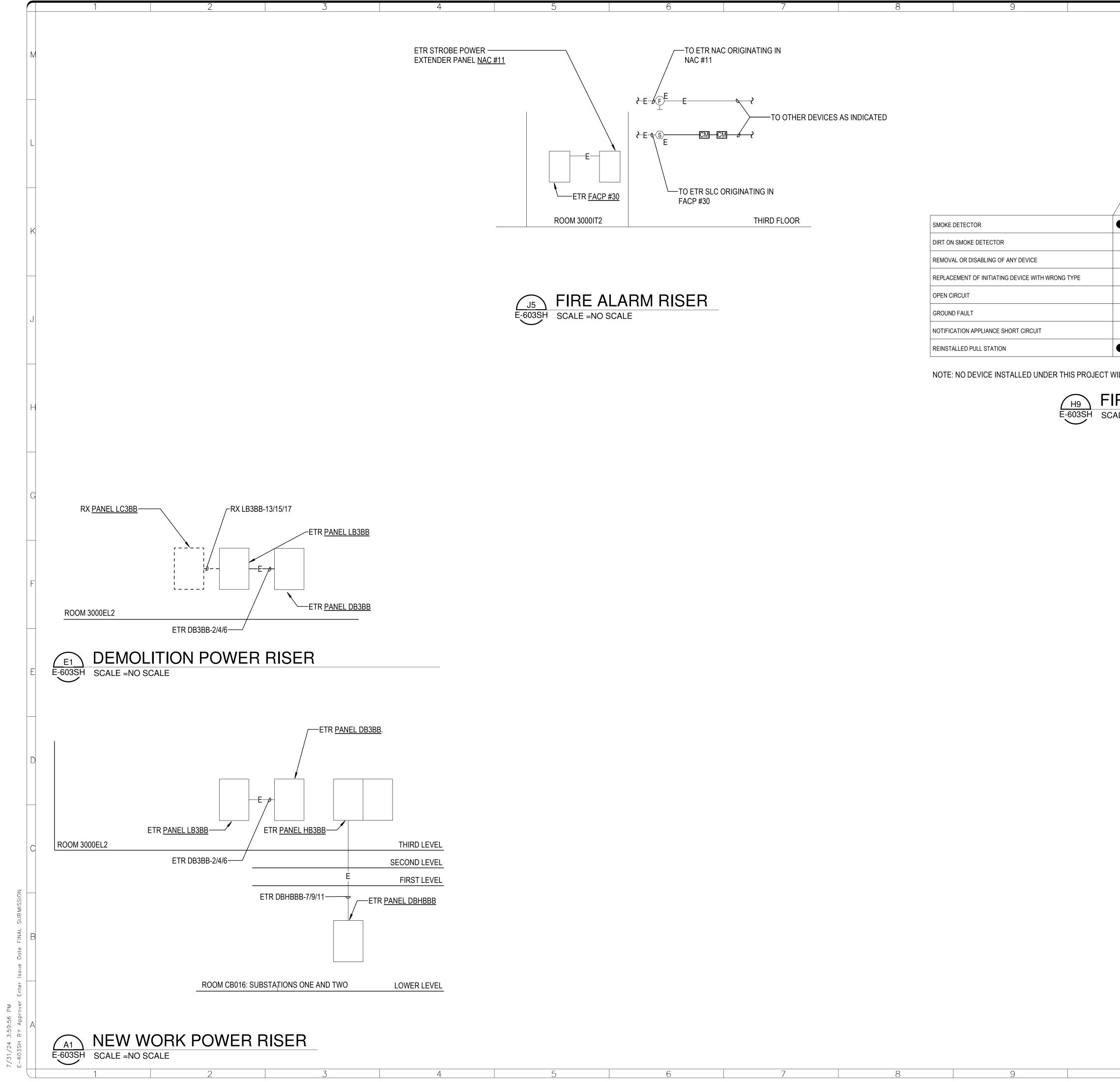
11

MAIN LUG ONLY

LOCATION: ELECTRICAL CLOSET 3000EL2

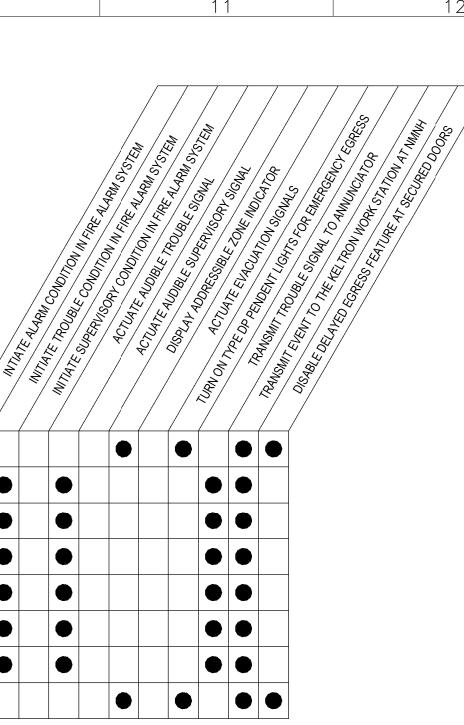
LOCATION: ELECTRICAL CLOSET 3000EL2



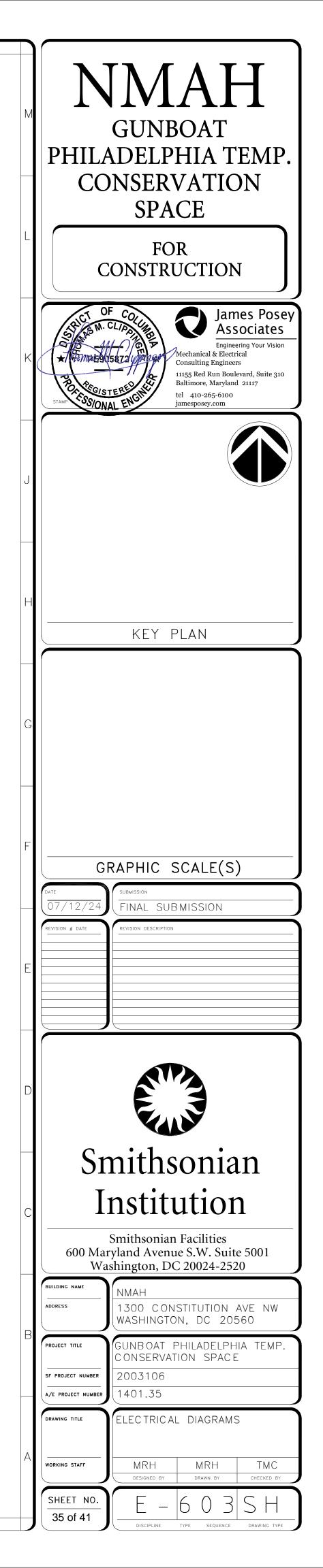


SMOKE DETECTOR	
DIRT ON SMOKE DETECTOR	
REMOVAL OR DISABLING OF ANY DEVICE	
REPLACEMENT OF INITIATING DEVICE WITH WRONG TYPE	
OPEN CIRCUIT	
GROUND FAULT	
NOTIFICATION APPLIANCE SHORT CIRCUIT	
REINSTALLED PULL STATION	

NOTE: NO DEVICE INSTALLED UNDER THIS PROJECT WILL ACTUATE EVACUATION SIGNALS.



FIRE ALARM MATRIX SCALE =NO SCALE



 PRIOR TO SUBMITTAL OF BID, NOTIFY, IN WRITING, SPECIFIED MATERIALS OR EQUIPMENT WHICH ARE ETHER UNAVAILABLE OR WILL CAUSE A DELAY IN CONSTRUCTION COMPLETION SCHEDULE. ALL EXIT DOORS TO REMAIN FREE OPENING FROM EXIT SIDE. U. O. N. THE CONTRACTOR SHALL INCLUDE ANY COORDINATION, RELAYS, TIMERS, NETWORK CARDS, TERMINAL STRIPS, ETC REQUIRED FOR A COMPLETELY FUNCTIONAL INTERFACE WITH ELEVATOR CONTROLLERS, FIRE ALARM SYSTEMS, DOOR HARDWARE AND AUTOMATIC DOOR OPERATORS. WHICH EVER IS APPLICABLE. THE WORK AS DEFINED IN THIS DRAWING SERIES INCLUDING THE SYMBOLS LEGEND, GENERAL NOTES, NOTES TO SHEET, DETAILS AND FLOOR PLANS IS TO PROVIDE COMPLETE TURNKEY SECURITY SYSTEMS INCLUDING ALL SOFTWARE, HARDWARE, DEVICES, WIRE, CONDUIT, BACKBOXES, JUNCTION BOXES AND WIREWAYS. 	Including the postment of source and the provided of the postment of the		INSTALLATION NOTES	
2 Control and TLUE Interpretational Additional Statement of the Additional Additional Statement and Additional Additenee Additenee Additional Additenee Additional Additional Additi		1	LOCAL CODES. THE CONTRACTOR SHALL NOT INTERMIX ANY LINE VOLTAGE POWER WIRES (120VAC) WITH ANY LOW VOLTAGE	(F)
3 Sector 11 (a) Water (inc) Concentration (inc) according to pressure (inc) and according on pressure (inc) and according to pressure (inc) and accord	Sector ALL ALL ACK, ALL DURG CONTRACT, CITE ALCOLD ALCOLD ALL ALL ALL ALCOLD ALL ALL ALL ALL ALL ALL ALL ALL ALL A	2	VERIFY ALL FIELD DIMENSIONS AND CONDITIONS, NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND. VERIFY DIMENSIONS OF	
ALL DIT INTERPROPRING INFORMATION FOR THE CONTROL ONLY FOR SUMMER AND THE WARKARDS IN STRUCT AT CONTROL OF ALL PROPERTIES AND THE CONTROL ONLY FOR CONTROL ONLY FOR SUMMER AND THE ALL PROPERTIES AND CONTROL OF ALL PROPERTIES AND THE CONTROL ONLY FOR CONTROL ONLY FOR SUMMER AND THE ALL PROPERTIES AND THE CONTROL ONLY FOR CONTROL ONLY FOR ALL PROPERTIES AND THE ALL PROPERTIES	 L. L. TULLER BROUND DE LAN CONTROL DE ALL EXEMPTS CANT BE ALL TERMINEL IN ERROLD AT MANY AND AND AND AND AND AND AND AND AND AND	3	SCHEDULE ALL WORK, INCLUDING CONSTRUCTION ACCESS AND STORAGE, WITH THE OWNER OR THOSE DESIGNATED BY THE	
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9 CONSTRUCT OF THE CONTRACT OF LEASTER TRADECAL DIAGONAL ADDRESS AND LEASTER TRADECAL DIAGONAL ADDRESS AND LEASTER ADDRESS AND	Control of the the property to a transmit of a transmit of a series series of the property of the series of t	5	CONTRACTOR SHALL PROVIDE DUST PROTECTION AS REQUIRED TO CONTAIN DUST AND DEBRIS WITHIN CONSTRUCTION AREA,	AC
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Concent of Concentral Process Interpretations and an experimental and experi	Description of Transmiss, and the second an	7	WITH FEDERAL, STATE AND LOCAL LAWS.	BLDG
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A LEVEN TA RUTHE MALTER MARATER SAME DISC. ACCOUNT ON THE OTHER CONTROL OF A SERVENCE CONTRACTOR. THE CONTROL OF A SERVENCE	A LEMAN E ROULE MALE ALE MAN MARKA, SHOULD WRITE COMMUNICATION THE CONTACTION THE CONTACTION IN ALL CONTACTION IN A		ISOLATION OF WORK AREAS AND THE PROMPT REMOVAL OF ANY DEBRIS OR TOOLS WHICH MIGHT ENDANGER VISITORS OR	
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 Mark Las Levelse 11, Balan and E. 10 Selece Tailer OWN Care Tailed Contraction Science Tailer Contract Control Face Control Control Face Control Fac	 Benerich and Endergen in National Part Process Control and Section 2014 (Control Control Contro Control Control Control Control C	9	IF ANY PART OF THE CONTRACTOR'S WORK DEPENDS UPON THE WORK OF A SEPARATE CONTRACTOR, THIS CONTRACTOR SHALL	DIA
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EDUCHT GUDES SHALL NOT BE FEMALTIEL WIRE AND CABLE SIZES, MURBER OF CONJUCTORS, SHALLANC, ON OTHER TERM FLA ENDERSENT THE ANIMARY ADVECTOR AND E FANDMARY CONTROL ON STATUS ADVECTORS, SHALLANC, ON OTHER TERM FLA ALL WITTER ALLADING SHALLAND THE FEMALTIEL STATUS CONTROL ON SHALLAND, AND THE AND ADVECTOR ADVECTORS, SHALLAND, AND ADVECTOR ADVECTORS, SHALLAND, AND ADVECTOR ADVECTORS, SHALLAND, AND ADVECTOR ADVECTOR ADVECTORS, SHALLAND, AND ADVECTOR ADVECTORS, SHALLAND, AND ADVECTOR ADVE	PCINC CODE Stand. You is the Head in List. When And Code Stands ID CODED CODE STANDARDS: CONTROL IS NAME (CONTROL IS NAME) CONTROL IS NAME (CONTROL IS NAME). CO	12		FIN.
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HANDLAND MALE SUPPORED SUPPLICE MUCH THE CABLE UNDER 12 AF 5. SHALL BE IN CONDUIT WHERE INSTALLED IN AREAS MITCATIONS ALL SUPPORED SUPPLICE TRANSPORTS OF MEDIA CABLE SHALL BE IN CONDUIT, UNDER CHANNE AREAS MITCATIONS ALL SUPPORED SUPPLICE TRANSPORTS OF MEDIA CABLE SHALL BE IN CONDUIT, UNDER CHANNE AREAS A PRE PRIVE TO SUPPLICE TRANSPORTS OF MEDIA CABLE SHALL BE INFORMED TO THE FOLLOWING: A CABLE SUPPLICIES UNDER AND EXAMPLES OF MANNEED IN CLEAN FLASTIC SHALL BE INFORMED TO THE FOLLOWING: A CABLE SUPPLICATION SUPPLICES AND ANY REALTED IN ADDRESSIVE CLEAN FLASTIC SHALL BE INFORMED TO THE FOLLOWING: ALL REAL STREET FORM ANY TERMINAL BIO CONC. CULTURE CONTRACTOR SHALL PREVENDANCES OF MANNEED AND ANY NEMBERING ON STREMPTOR REVIEW PROFEND TO THE CONTRACTOR SHALL PREVENDANCES OF MANNEED AND ANY NEMBERING ON STREMPTOR REVIEW PROFEND TO INSTALLATION. HE CONTRACTOR SHALL AND ANY REALTED CONDUIT OF SECURE PREVENTION OR MANNED SYSTEM FOR REVIEW PROFEND TO INSTALLATION. HE CONTRACTOR SHALL OF AN AND THREASE ON DAMAGE AND ANY NEMBERING ON STREMPTOR REVIEW PROFEND TO INSTALLATION. HE CONTRACTOR SHALL OF AND AND THREASE ON DAMAGE AREANDED CONTRACTOR SHALL FIELD VERSE FOR ADDITION REVIEW PROFEND TO INSTALLATION. HE CONTRACTOR SHALL OF AND THREASE ON DAMAGE AREANDED CONTRACTOR SHALL FIELD VERSE FOR ADDITION REVIEW PROFEND TO INSTALLATION. HE CONTRACTOR SHALL OF AND THREASE ON DAMAGE AREANDED CONTRACTOR SHALL FIELD VERSE TO ANY THREASE ON DAMAGE AREANDED TO INSTALLATION. MARKET REPRESENTATION AND THREASE ON DAMAGE AREANDED TO INSTALLATION AND CONTRACTOR SHALL DEVELOPMENT AND THREASE ON THREASE	more comparison of the set o		CABLING AND USE WHICHEVER IS GREATER IN QUALITY, QUANTITY, GAUGE, SHIELDING AND NUMBER OF CONDUCTORS.	GRD
11 ALL NEW CASHLE OF LENUMARIE DE STORED OR EXTERNOR CASHLE SHALL BE INCOMPUT. NUCLEY CARUNA CASHLE SHALL DE ANTONIO CASHLE SHALL DE PROVIDED TO THE POLLOWING. 12 APRIE PRINTED VINTU BATTERIAL MARKEN WIGHTED IN ADDRESSIVE CLARIPASTIC SHALL BE PROVIDED TO THE POLLOWING. 13 APRIE PRINTED VINTU BATTERIAL MARKEN WIGHTED IN ADDRESSIVE CLARIPASTIC SHALL BE PROVIDED TO THE POLLOWING. 14 ACCESSIVE SUBMITINE UTTERIAL MARKEN WIGHTED IN ADDRESSIVE CLARIPASTIC SHALL BE PROVIDED TO THE POLLOWING. 14 ACCESSIVE SUBMITINE UTTERIAL AND DEAL MARKEN AND ANY NUMBERING ON MARKING SYSTEM FOR REVIEW PRIOR TO CONTRACTOR SHALL PEDERTATIONS THROUGH AUXALES, LOCORE AND CONTRACTOR SHALL PEDERTATIONS. 17 PLI CONTRACTOR SHALL POPPELY SEAL ALL CONDUIT ON BLEEVE PRETATIONS THROUGH AUXALES, LOCORE AND CONTRACTOR SHALL PEDERTATIONS. 18 THE CONTRACTOR SHALL PEDERTATIONS AND HOOLDARY CHECK ALL INSTALLED. 19 DESTALLATION. 10 DESTALLATION. 10 DECONTRACTOR SHALL DESTALLATION DESTALLATIONS THROUGH AUXALES. 10 DECONTRACTOR SHALL DESTAL. 10 DECONTRACTOR SHALL DESTALLATION DESTALLATIONS THROUGH AUXALES. 11 DECONTRACTOR SHALL DESTALLATION DESTALLATIONS THROUGH AUXALES. 12 DECONTRACTOR SHALL CHEM AND HOROUTER CHEM AND HOROUTER TO NERVICE CONTRACTOR SHALL DESTALLATIONS THROUGH AUXALES THROUTER SHALL DESTALLATIONS THROUTER AUXALES. 12 DECO	LUNC WORLDNO SHALL BE PLEAKEN FARTE DEVICED OR EXTERIOR CARLE SHALL BE NOONED THE DROUGH CARLE SHALL BE WATER TO NOONE OF SHALL CARLE ON INFORM TO COME. A PRE-TRINIED WATER METAL AND CARL MARKER AND AND MARKER SHALL BE PROVIDED TO THE FOLLOWING. A CARLE STITUTE WATER METAL SHALL SHALL TO AND COME TO AND COME SHALL BE PROVIDED TO THE FOLLOWING. A CARLE STITUTE WATER METAL SHALL SHALL COME OF MARKER AND ANY NUMEERING ON WHITEN ON THE COMPARISON OF SHALL	13	APPLICATIONS. ALL EXPOSED SURFACE MOUNTED CABLE UNDER 12' A.F.F. SHALL BE IN CONDUIT WHERE INSTALLED IN AREAS	Hz
19 A HRE PRINED VENUE VALIENTIAL MARKEN WIGHPE IN ADDRESSIVE CLAAP FLASTICS HALL BE PROVIDED TO THE POLLOWING: A CABLE WITHIN & YORD MINING YORD PROVIDE WITH YOR ALL BEDREW CLAAP FLASTICS HALL BE PROVIDED TO THE POLLOWING: C THE CONTRACTOR SHALL BURGE TABLE STATE AND TERMINAL BLOCK. C THE CONTRACTOR SHALL BURGE TABLE STATE AND THE MARKERS AND ANY NUMBERSING COMMINS SYSTEM FOR REVIEW PRIOR TO REVIEW THE LASS WITHIN & YERDIA ANY TERMINAL BLOCK C THE CONTRACTOR SHALL BURGE TABLE STATE AND THE ADDRESS OF RATION THEOLOGIALLI, WALLS FLOORE AND AS PER APPLICABLE BULDING COVERING COMMINS AND ANY RELATED CONDUCT TO BE SERVE PRIVE TATION THEOLOGIALLI, WALLS FLOORE AND AS SERVE APPLICABLE BULDING COVERING CONTRACTOR SHALL STATE STOPPICAL CONTRACTOR SHALL FED VENET CONTRACTOR SHALL SED VENET PROVIDE STOPPICATION OF THE ADDRESS STATEMENT TO CONTRACTOR SHALL FED VENET CONTRACTOR SHALL SED VENET PROVIDE STOPPICATION OF THE ADDRESS STATEMENT OF THE CONTRACTOR SHALL FED VENET CONTRACTOR SHALL SED VENET PROVIDE STOPPICATION OF THE ADDRESS STATEMENT OF THE CONTRACTOR SHALL FED VENET CONTRACTOR SHALL SED VENET PROVIDE TO STATUTION OF THE ADDRESS STATEMENT OF THE CONTRACTOR SHALL SED VENET STATEMENT OF THE CONTRACTOR SHALL SED VENET PROVIDE TO STATUTION OF THE ADDRESS STATEMENT OF THE CONTRACTOR SHALL SED VENET STATEMENT OF THE CONTRACTOR SHALL SED VENET PROVE STATEMENT SHALL SED VENET AND THE PROVIDE VENET STATEMENT OF THE CONTRACTOR SHALL SED VENET STATEMENT OF THE VENET STATEMENT STATEMENT OF THE VENET STATEMENT OF THE VENET S	A ADDE REVIEWD WHY, MARCHAN MARKER WARRED IN ADDIESCH CLARP RUSCIES OF THE COLLOWING: A ADDIE STUDY OF UNIT NETWORK AND SECTION THE ADDIESCH CLARP RUSCIES OF THE COLLOWING: A ADDIE STUDY OF UNIT NETWORK AND SECTION THE ADDIESCH CLARP RUSCIES OF THE COLLOWING: A ADDIE STUDY OF UNIT NETWORK AND SECTION THE ADDIESCH CLARP RUSCIES OF THE ADDIESCH ADDIES	14	ALL NEW CABLING SHALL BE PLENUM-RATED. EXPOSED OR EXTERIOR CABLE SHALL BE IN CONDUIT. UNDER GROUND CABLE	ММ
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WITHOUT EXTRA COST TO THE OWNERS. THIS INCLUDES ANY ADDITIONAL PART TO BE SUPPLIED BY THE CONTRACTOR TO ACCOUNTRACTOR TO ACCOUNTRACTOR TO BEVICE HOWEVER. IT SHALL BE REQUESTED, SUBMITTED AND APPROVED IN WRITING BEFORE COMMENCING THE WORK. 22 PROVIDE PULL STRING SIN ALL CONDUITS. PROVIDE BLANK COVERS ON ALL JUNCTION AND PULL BOXES. 23 THE CONTRACTOR SHALL UNDERTAKE THIS WORK IN TS ENTIRETY IN ACCORDANCE WITH TS DESIGN AND PURPOSE ALL WORK SHALL BE CARRED OUT IN A PROVIDED WALL PRINT WITH MAXIMUM ENCOULD NOT AND PULL BOXES. 24 IN STALL LU LISTED, ACENCY APPROVED WALL PENETRATIONS AT ALL CABLING WALL PENETRATION LOCATIONS. 25 EF ARCHITECTURAL PLANS FOR THE RATED WALLS. 26 IN THE USE OF THE WORD PROVODE' IN CONNECTION WITH ANY THEN SPECIFED, IS INTENDED TO MEMAN THAT SUCH SHALL BE FURNISHED. INSTALLED MAD CONNECTED. WHERE SO THE ANY THE SPECIFED, IS INTENDED TO MEMAN THAT SUCH SHALL BE FURNISHED. INSTALLED MAD CONNECTED. WHERE SO THE ANY THE SPECIFED, IS INTENDED TO MEMAN THAT SUCH SHALL BE FURNISHED. INSTALLED WITH EXCURSION WITH ANY THE SPECIFED, IS INTENDED TO MEMAN THAT SUCH SHALL BE FURNISHED. INSTALLED WITH EXCURSION ON THANY THE SPECIFED. TAS NOTED OTHERNISE. 27 ELECTRICAL, CRUITS SHOWNIN THIS SET ARE FOR REFERENCE ONLY AND PROVIDED AND INSTALLED BY THE ELECTRICAL. 28 SEF ARCHITECTURAL PLANFOR XITIME GROUTH THE SPECIFICAL TIME AND AND THE ONSE. 29 FRICH TO A DISCORPERATORY BETWEEN THE SPECIFICAL TORN AND THE ONSE. 20 CAN BE ONTEND ON THE STATEMENT AND STATEL BOOKTONS. 20 CAN BE ONTEND TO ADMITTY. IN WRITING, SPECIFIED MATERIALS OR REQUIRED AND THE ONTEND. 20 THE CONTRACTOR SHALL INCLUES AND WIRE SPECIFIC. 20 PRIVE TO SUBMITTAL OF BIOL MONTEY. WITH HE ELECTRICAL SO RE CONTRACTORS. THE SINGLUADING ALL SOFTWARE, MARDWARE, AND MARKE AND ALTO TONG TO COMPLETION AND PULL BOXES. JUNCTION HOUSES AND WIREWAYS. 20 CONDUIT, BACKBOXES, JUNCTION BOXES AND WIREWAYS. 21 CONDUIT. TO THAT THE SPECIFIES DATE: SINCLUDING CANTRACTORY TO THE CALLED PORTAL ELECTRICAL, FIRE ALARM, STELED AND HEAD AND READY SHALL MEET THATE DURK SO	WITHOUT EXTRA COST TO THE OWNERS THIS INCLUDES ANY ADDITIONAL PART TO BE SUPPLIED BY THE CONTRACTOR TO ACCOMPLEND HARDARDE CHOWENE, IS ANY ADDITIONAL PART TO BE SUPPLIED BY THE CONTRACTOR TO MAL UNITING OF ADDITIONAL DRIVER HAVE AND APPROVED IN MITTING OF ADDITIONAL DRIVER HAVE AND ADDITIONAL PART TO BE SUPPLIED BY THE CONTRACT IN SWITCH ADDITIONAL DRIVERS AND ADDITIONAL DRIVERS AND ADDITIONAL BY ADDITIONAL BEARD AND ADDITIONAL DRIVERS AND ADDITIONAL DRIV	21	ALLOWABLE CONDUIT SIZE SHALL BE 3/4".	U.O.N.
22 PROVIDE PULL STEINES IN ALL CONDUITS. PROVIDE BLANK COVERS ON ALL JUNCTION AND PULPOSE. VOC 23 THE CONTRACTOR SHALL CONDERTAGE THIS WORK IN THIS ENTIRET NA GOORDANCE WITH ITS DESIGN AND PURPOSE. ALL WORK SHALL BE CARRIED OUT IN A PROFESSIONAL MANNER WITH MAXIMUM EFFICIENCY AND EXCELLENT WORKMAINSHIP. 24 SEE ARCHTECTURAL PLANS FOR THER PATED WALLS. 26 INSTALL D. LISTED, AGENCY APPROVED WALL PENETRATIONS AT ALL CABLING WALL PENETRATION LOCATIONS. 27 ELECTRICAL CIRCUITS SHOWN IN THE RATED WALLS. 28 INSTALL D. AND CONNECTED, WHERE SO REQUIRED, EXCEPT AS NOTED OTHERWISE. 27 ELECTRICAL SHEETS FOR CIRCUIT NUMBERS, CIRCUITING AND PANEL LOCATIONS. 28 SEE ARCHTECTURAL, INSTONCE DO MAILET ON THE VERVENT AND THE OPARMINGS. WHICHEVER IS MORE STRINGENT OR CALLS FOR THE HICHORY OCONSTRUCTION COMPLETIONS AND THE DRAWINGS. WHICHEVER IS MORE STRINGENT OR CALLS FOR THE HICHORY OCONSTRUCTION COMPLETION SCHEDULE. 29 THE CONTRACTOR STORENCY DETWIEN THE SPECIFICATIONS AND THE DRAWINGS. WHICHEVER IS MORE STRINGENT OR CALLS FOR THE HICHORY OCONSTRUCTION, RELAYS, TIMERS, NETWORK CARDS, TERMINAL STRIPS, ETC., REQUIRED FOR A COMPLETELY FUNCTIONAL INTERFACE WITH ELEVATOR CONTROLLERS, RETWORK CARDS, TERMINAL STRIPS, ETC., REQUIRED THE WORK AS DEFINED IN THIS DRAWING SERIES INCLUDING THE SYNEDS IN CLUDING ALL SOTWARE, HARGWARE, ALCRM, TL, ELEVATOR ONDE COMPLETE TUNKEY SECURITY SYSTEMS INCLUDING ALL SOTWARE, HARGWARE, THE WORK AS DEFINED IN THIS DRAWING SERIES INCLUDING THE SYNEDS INCLUDING ALL SOTWARE, HARGWARE, THE WORK AS DEFINED IN THIS DRAWING SERIES INCLUDING THE SYNED STRING STRUCT, IN WO	PROVEE FULL STRUCTOR SHALL CONDUCTS. PROVIDE ELAWS COVERS ON ALL UNCTION AND PUBLICASES THE CONTRACTOR SHALL UNDERIVACE THAN YOURS IN ITS ENTERINE TY IN ACCORDANCE WHIT IS DESIGN AND PUBLICASES ALL WORK SHALL BE CARRIED OUT IN A PROFESSIONAL MANNER WITH MAXIMUM EFFICIENCY AND EXCELLENT VOCKMANSHIP. SEE ARCHITECTURAN I ANAS TO RIFE RATE OWNER ANY TEM SPECIFIED. IS THE PUBLIC TO MARKING SHALL BE HELDER THE WORD FOR THE WORD FOR POWER ALL WORK IN THE SITERFEITER. SHALL BE HELDER THE WORD FOR PROVED IN ALL PENETRATION AT ALL CABLING WALL PENETRATION LOCATIONS. THE USE IN THE WORD FOR PROVED IN CONTRACTION WITH ANY TEM SPECIFIED. IS THE RUBBE TO MARKING IN THAT SUCH SHALL BE HELDER THE WORD FOR PROVED IN CONTRACTION WITH ANY TEM SPECIFIED. IN THE SITE THAT SUCH SHALL BE HELDER THE WORD FOR PROVED IN CONTRACTION WITH ANY TEM SPECIFIED. IN THE SITE THAT SUCH SHALL BE HELDER TO BE SECTION. SHOULD NOT THE ANY THEM SPECIFIED AND AND PROVIDED AND INFORMATION TO AND THE USED TO THE WORD FOR PROVE SHOULD SHOULD NOT THE OWNERD AND PROVIDED AND PROVIDED AND INFORMATION THE SHALL BE HELDER TO A DISCREPANCY BETWEEN THE SPECIFICATIONS AND THE DRAWINGS, WHICHEVER IS MORE STRINGENT OR CONTRACTOR SHALL PLAN FOR EXTINC. IN THE EVENT A LINK SPECIFIED AND THE CHARMINGS, WHICHEVER IS MORE STRINGENT OR CALLS FOR THE INSTRUMENT OF QUALITY OF MARTENALS IN AD PROVIDED AND PROVIDED AND HAVE AND ANTEMATS OF A DISCREPANCY BETWEEN THE SPECIFICAL STRINGENT ON THE WORK AS DEFENDS INFOLUNDAL THE SPECIFICAL STRINGENT ON THE WORK AS DEFENDS INFOLUED AND THE SPECIFICAL STRINGENT ON THE ALMAN SYSTEMS, DOOR HAVEWARE AND ANTEMATS OF COUNT AND THE ALMARY SPECIFIC DATE MARKING STRING, DOOR HAVEWARE THE OCTIONAL INFORMATION REVERTING THEREALS ONE COLUMNEAL INTO THE ALMARY STRING, DOOR HAVEWARE THE OCTIONAL INFORMATION ON THE INTEGRE AND PROVED AND THE ALMARY STRING, DOOR HAVEWARE THE OCTIONAL INFORMATE ON THE ALMARY STRING, SECREP AND AND THAN ALL SHALL SO CON		WITHOUT EXTRA COST TO THE OWNERS. THIS INCLUDES ANY ADDITIONAL PART TO BE SUPPLIED BY THE CONTRACTOR TO	
SHALL BE CARRED OUT IN A PROFESSIONAL MANNER WITH MAXIMUM EFFICIENCY AND EXCELLENT WORKMANSHIP. SHALL BE CARRED OUT IN A PROFESSIONAL MANNER WITH MAXIMUM EFFICIENCY AND EXCELLENT WORKMANSHIP. SHALL BE CARRED OUT IN A PROFESSIONAL MANNER WITH MAXIMUM EFFICIENCY AND EXCELLENT WORKMANSHIP. SHALL BE CARRED OUT IN A PROFESSIONAL MER FARED WAILS. THE USE OF THE WORK AS ENTRE OF APPROVED WALL PENETRATIONS AT ALL CABLING WALL PENETRATION LOCATIONS. SHE DEVINISHED. INSTALLED AND CONNECTED, WHERE SO REQUIRED, EXCEPT AS NOTED OTHERWISE. SEE RECTRICAL CIRCUITS SHOWN IN THIS SET ARE FOR REFERENCE ONLY AND PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR, SEE ELECTRICAL SHEETS FOR CIRCUIT NUMBERS, CIRCUITING AND PANEL LOCATIONS. SEE ARCHTECTRAL PLAN FOR EXTING. SHE SEE ARCHTECTRAL VIA UNA STORE STRING AND THE DRAWINGS, WHICHEVER IS MORE STRINGENT OR CALLS FOR THE HORE'S QUANTITY OF VAILING, SPECIFICA TONS AND THE DRAWINGS, WHICHEVER IS MORE STRINGENT OR CALLS FOR THE HORE'S QUANTITY OF VAILING, SPECIFIC MATERIALS OR EQUIPMENT WHICH ARE EITHER UNAVAILABLE OR WILL CAUSE A DELIVA IN CONSTRUCTION COMPLETION SCHEDULE. THE WORK AS DEFINED IN THIS OPAVING SERIES INCLUDING SCHEDULE. TY001 TY001 TY002 THE WORK AS DEFINED IN THIS OPAVING SERIES INCLUDING THE SYMEOLS LICEND, CENTRALT STRIPS, ETC. REDUIRED DETALS AND FLOOR THAN BY OCORONANTON RELAYS. TIMERS, NETWORK CARDS, TERMINAL STRIPS, ETC. REDUIRED TOETALS AND FLOOR THAN BY OCORONANTON RELAYS. TIMERS, NETWORK CARDS, STEMMAR, HARDWARE, ALARM, IT, ELEVATOR AND CONVIDE COMPLETE TURNKEY SECURITY SYSTEMS INCLUDING ALL SOFTWARE, HARDWARE, DEVICES, WIRE, CONDUIT, BACKBOKES, JUNCTION BOXES AND WIREWAYS. SO CONDUIT, AND KING THE ELTERATED VARKE, PROVIDE COMPLETE TURNKEY SECURITY SYSTEMS INCLUDING ALL SOFTWARE, HARDWARE, TY 5002 TY602 TY602 TY602 THE ARCHTECT ON AND THE CALLED PWC. SO CONDUIT TABLE AND ARCHTECH AND ARCHTECH ON THE INSTALLATION REQUIRED FOR EXTERIOR PENETRATIONS. SO CONDUIT TABLE AND SOFTWARE THE DAREWARYS AND WIRKWAYS AND WIRKWAYS AND WIRKWAYS AND WIRK SCHEME	SHALL BE CARRIED OUT IN A PROFESSIONAL MANNER WITH MAXIMUM EFFICIENCY AND EXCELLENT WORKWANNER. SEE ARCHITECTURAL PLANS FOR FIRE KINE WALLS INSTALL UL LISTED, AGENCY APPROVED WALL PENETRATIONS AT ALL CABLING WALL PENETRATION LOCATIONS. THE USE OF THE WORK PROVED IN AUL PENETRATIONS AT ALL CABLING WALL PENETRATION LOCATIONS. THE USE OF THE WORK PROVED IN AUL PENETRATIONS AT ALL CABLING WALL PENETRATION ID COATIONS. THE USE OF THE WORK PROVED IN AUL PENETRATIONS AT ALL CABLING WALL PENETRATION LOCATIONS. THE USE OF THE WORK PROVED IN A DEALER IF COR TEXT HER SPECIFICAL SITE INTO THE DEAL THAT SUCH SHALL BE FURNISHED, INSTALLED AND CONNECTED, WHERE SO REQUIRED, EXCEPT AS NOTED OTHERWISE. LECTRICAL CARCING SWORD IN THIS SITE ALL FOR REFLIENCE ONLY AND PARALLOCATIONS. SEE ARCHITECTURAL PLAN FOR EXITING. THE USE AND TARK OF REFLIENTING. SPECIFIED CON X AND THE DARWINGS, WHICHEVER IS MORE STRINGENT OR CALLS FOR THE ANALY IN CONSTRUCTION COMPLETIONS AND THE DARWINGS, WHICHEVER IS MORE STRINGENT OR CALLS FOR THE ANALY IN CONSTRUCTION COMPLETIONS CHEMOLINE. ON ROLLENGE NEED, DOOR HANGWARE, AND THE WORK AS DEFINED IN THIS DRAWING SERIES INCLUDING THE SWIRDLS LECEND. CONFINAL STRIPS ETC. REQUIRED THE WORK AS DEFINED IN THIS DRAWING SERIES INCLUDING THE SWIRDLS LICEND. CONFINAL STRIPS TO SHEET THE WORK AS DEFINED IN THIS DRAWING SERIES INCLUDING THE SWIRDLS LICEND. CONFINAL WARK AND TYOUD THE WORK AS DEFINED IN THIS DRAWING SERIES INCLUDING THE SWIRDLS LICEND. CONFINAL WARK AND TYOUD THE WORK AS DEFINED IN THIS DRAWING SERIES MICLIDING. SUT NOT LIMITED TO ELECTRICAL, FIRE ALARM, IT, ELEVATOR AND DOOR HARGWARE, JUNCTION NOSES AND WIRK WAYS. COORDINATE AND THE DEALTED AND ADDITIONAL INFORMATION ON THE INSTALLED TO THE CALIFORNIA ELECTRICAL CODE CONDULT ACKNOWSE, JUNCTION NORES, SWIRD WAYS AND WIRKING SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE CONDULT ACKNOWSE, JUNCTION ROLES, SWIRD WAYS AND WIRKING SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE CONDULT ACKNOWSE, JUNCTION NARE PROCESSING INCLUDINGS AND REQUIRED BY CODE.	22		
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1 MLL EXIT DOORS TO REMAIN FREE OPENING FROM EXIT SIDE. U. O. N. 31 ALL EXIT DOORS TO REMAIN FREE OPENING FROM EXIT SIDE. U. O. N. 32 THE CONTRACTOR SHALL INCLUDE ANY COORDINATION, RELAYS, TIMERS, NETWORK CARDS, TERMINAL STRIPS, ETC REQUIRED 33 THE WORK AS DEFINED IN THIS DRAWING SERVES WITH ELEVATOR CONTROLLERS, FIRE ALARM SYSTEMS, DOOR HARDWARE, AND PLOOR PLANNS IS TO PROVIDE COMPLETE TURNECY SECURITY SYSTEMS INCLUDING ALL SOFTWARE, HARDWARE, DEVICES, WIRE, CONDUIT, BACKBOXES, JUNCTION BOXES AND WIREWAYS. 34 COORDINATE THE WORK AND DOOR HARDWARE. 35 REFER TO THE DETAILS FOR ADDITIONAL INFORMATION ON THE INSTALLATION REQUIRMENTS FOR EACH DEVICE. 36 CONDUIT, BACKBOXES, JUNCTION BOXES, WIREWAYS AND WIRING SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE (CEC). 37 CONDUIT USED IN POTENTIALLY DAMP OR WET LOCATIONS, EXPOSED OUTDOORS OR IN HAZARDOUS AREAS SHALL BE INTERMEDIATE STEEL CONDUIT (INC). 38 IN SLAB OR BURED BELOW GRADE CONDUIT SHALL BE PVC. 39 CONDUIT ONTHER THAN SPECIFIED TO BE IMC OR PVC SHALL BE ELECTRICAL METALLIC TUBING (EMT). 40 ROUTE CONDUIT MING PENETRATIONS THROUGH FIRE RATED PARTITIONS AS REQUIRED BY CODE. 41 SEAL CONDUIT MUNING PENETRATIONS THROUGH FIRE RATED PARTITIONS AS REQUIRED DY CODE. 42 PROVIDE WALKS SHALL CONDUIT. 43 PROVIDE MANES SHALL CONDUIT. 44 CONDUIT TRUMT THER R	ALL EXIT DOORS TO REMAIN FREE OPENING FROM EXIT SIDE U. O. N. THE CONTINUE TO BE AND THE CONTINUE AND STATES TO BE AND THE SYMBOLS IN THE CONTINUE AND THE AND THE SYMBOLS IN THE CONTINUE AND THE SYMBOLS IN THE CONTINUE AND THE SYMBOLS IN THE CONTINUE AND THE SYMBOLS IN CONTINUE AND THE SYMBOLS IN CONTINUE AND THE SYMBOLS INCLUDING ALL SOFTWARE, HARDWARE, AND THE WORK AS DEFINED IN THIS DRAWING SERIES INCLUDING THE SYMBOLS IEGEND CHEREAL AND SYSTEMS, INCLUDING ALL SOFTWARE, HARDWARE, DEVICES, WIRE, CONDUT, BACKBOXES, JUNCTION BOXES AND WIREWAYS. COORDINATE THE WORK WITH THE FLUCTE TUNKEY SECURITY SYSTEMS INCLUDING ALL SOFTWARE, HARDWARE, DEVICES, WIRE, CONDUT, BACKBOXES, JUNCTION BOXES AND WIREWAYS. COORDINATE THE WORK INFORMATION ON THE INSTALLATION REQUIREMENTS FOR EACH DEVICE. CONDUIT, BACKBOXES, JUNCTION BOXES, WIREWAYS AND WIRING SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE (CC). CONDUIT USED IN POTENTIALLY DAMP OR WET LOCATIONS, EXPOSED OUTDOORS OR IN HAZARDOUS AREAS SHALL BE INTERMEDIATE STEEL CONDUIT (MICH, INCOMPANIE), NO CONDUIT SHALL BE EXPOSED UNLESS APPROVED BY THE ARCHTECTIONNER. SEAL CONDUIT ABOVE CELLUIGS, BELOW FLOORS OR WITHIN WALLS, NO CONDUIT SHALL BE EXPOSED UNLESS APPROVED BY THE ARCHTECTIONNER. SEAL CONDUIT ABOVE CELLUIGS, BELOW FLOORS OR WITHIN WALLS, NO CONDUIT SHALL BE EXPOSED UNLESS APPROVED BY THE ARCHTECTIONNER. SEAL CONDUIT ABOVE CELLUIGS, BELOW FLOORS OR WITHIN WALLS, NO CONDUIT SHALL BE EXPOSED UNLESS APPROVED BY THE ARCHTECTIONNER. SEAL CONDUIT ABOVE CELLUIGS, BELOW FLOORS OR WITHIN WALLS, NO CONDUIT SHALL BE EXPOSED UNLESS APPROVED BY THE ARCHTECTION AND PULL BOXES AS REQUIRED BY CODE. PROVIDE WITHIN FIRE RATED PARTITIONS SHALL MEET THE FIRE RATING OF THE PARTITION AS REQUIRED BY CODE ULL STITUNG SIN ALL CONDUIT. PROVIDE SUMMING OF EXPERIENT CAD DISTON TO THERE BY SETTING OF THE PARTITION AS REQUIRED BY CODE ULL STITUNG SUPPORTS FASTENED TO STRUCTURE IN ACCORDANCE FOR ALL WIRING NOT ROUTED IN CONDUIT OR CABLE TRAY. PROVIDE WIRING SUPPORTS FASTENED TO STR	30	PRIOR TO SUBMITTAL OF BID, NOTIFY, IN WRITING, SPECIFIED MATERIALS OR EQUIPMENT WHICH ARE EITHER UNAVAILABLE OR	SHEE
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3BREVIATIONS

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EXISTING FUTURE NEW RELOCATED ABOVE FINISHED FLOOR ABOVE GROUND LEVEL AMERICAN WIRE GAUGE ABOVE COUNTER BUILDING AUTOMATION SYSTEM BREAKER BUILDING AUTOMATION SYSTEM BREAKER BUILDING BOTTOM PLATE CONDUIT CONTROLLER ELECTRONICS CIRCUIT CEILING CONCRETE CONTINUATION DIAMETER DIMENSION DUBLE POLE DOUBLE THROW DRAWING ELECTRICAL ELEVATION ELECTRICAL ELEVATION ELECTRICAL ELEVATION FINISHED FLOOR FINISHED FLOOR GROUND HERTZ MULTI MODE NOT IN THE CONTRACT NUMBER ON CENTER OWNER FURNISHED CONTRACTOR INSTALLED PANEL PANEL PANEL PANEL PANEL PANEL PANSE (ELECTRICAL) ROOM RIGID STEEL CONDUIT
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WEATHERPROOF

)	HEET INDEX	
	DESCRIPTION	
	SECURITY DETAILS	

ECURITY SYMBOLS, GENERAL NOTES AND	
ECURITY NEW FLOOR PLAN	
ECURITY DETAILS	

- SECURITY DETAILS
- SECURITY ONELINE DIAGRAM SECURITY DEMO FLOOR PLAN

SECURITY SYME

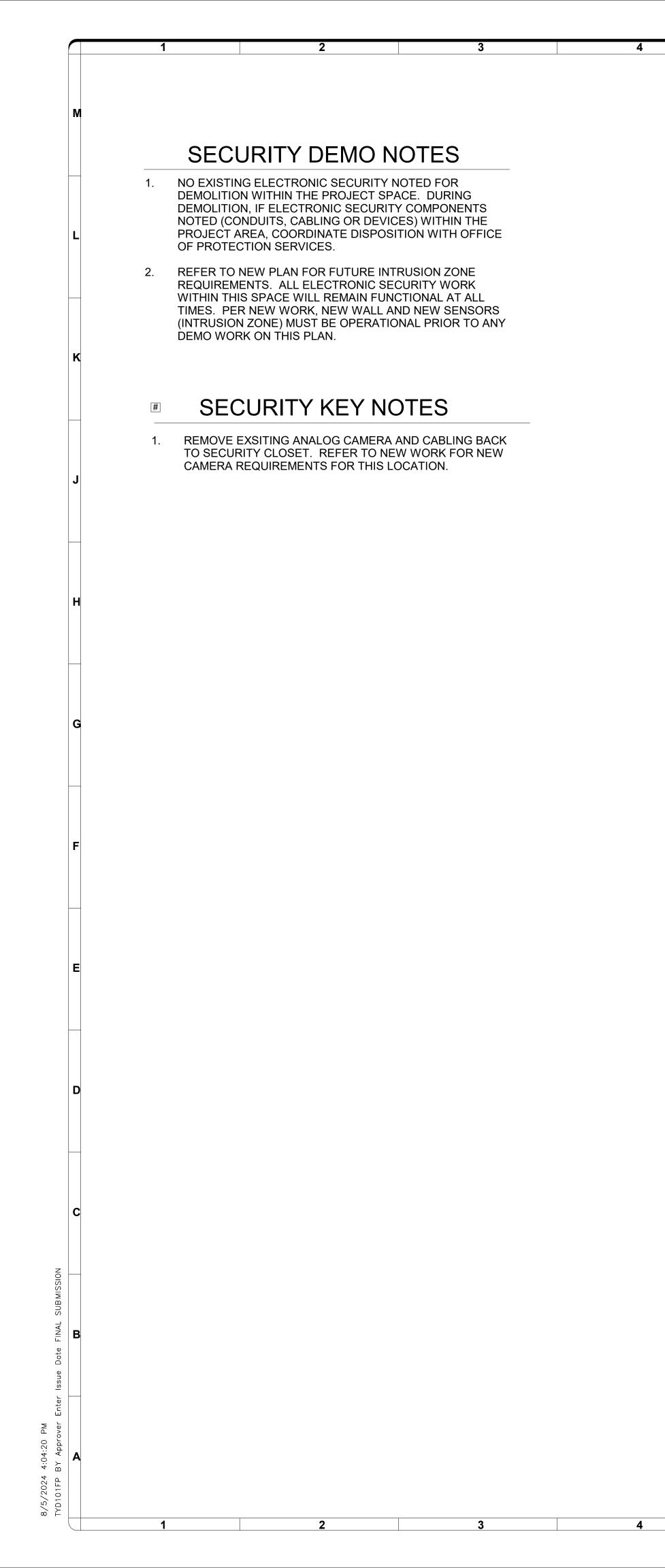
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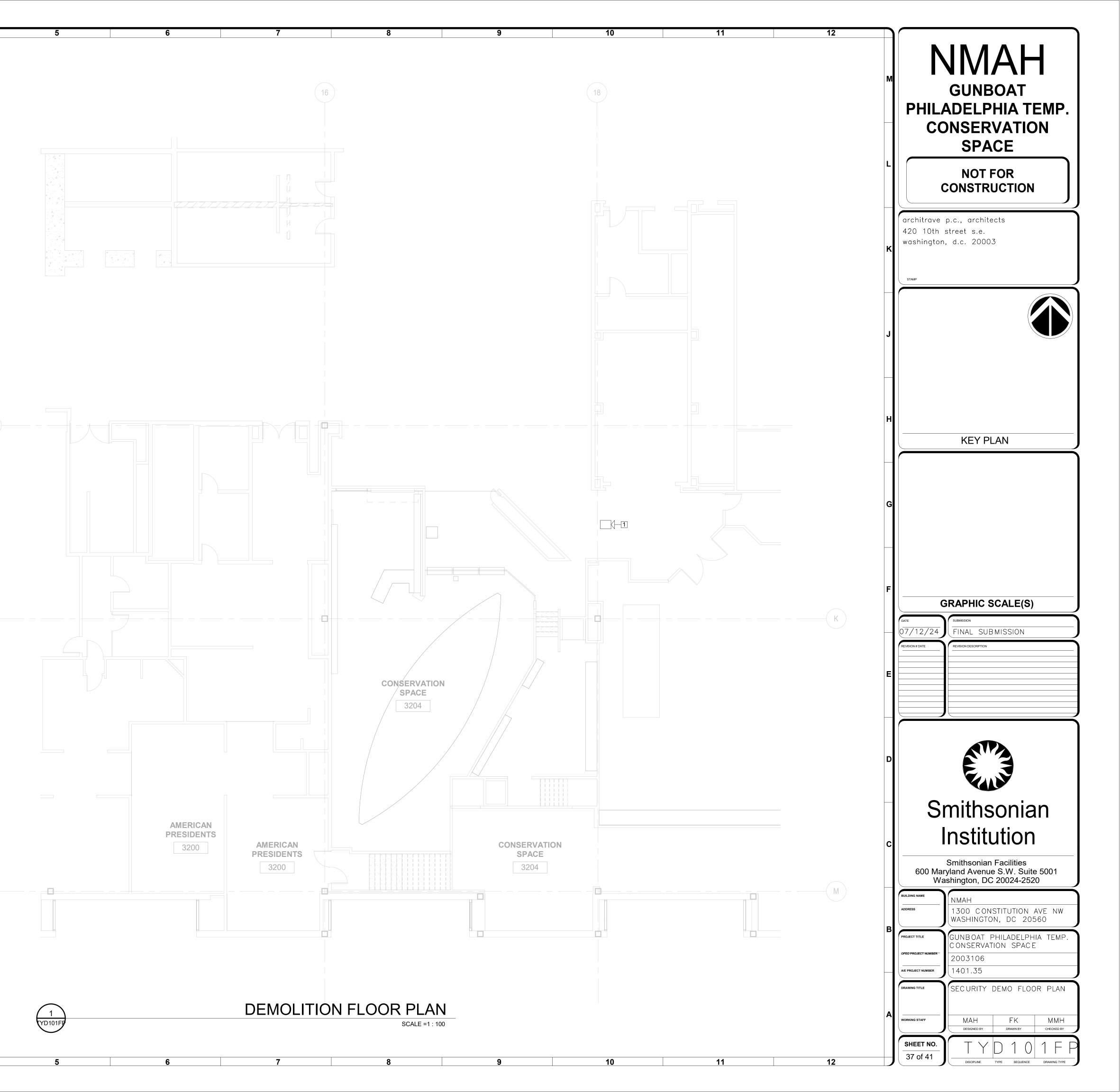
SYMBOL	DESCRIPTION
	CARD READER, NEW, K=KEYPAD
\bigcirc	BALANCED MAGNETIC SWITCH, NEW
REX	PASSIVE INFRARED REQUEST TO EXIT SENSOR, NEW
EL X	ELECTRIC LOCK, D = DELAYED EGRESS, EM = ELECTRIFIED MORTISE
9	GLASSBREAK SENSOR, ACCOUSTIC, NEW
	MOTION SENSOR, 360 DEGREE, DUAL TECH, N=NEW, E=EXISTING TO REMAIN, D=DEMO
	MOTION SENSOR, 90 DEGREE, DUAL TECH, , N=NEW, E=EXISTING TO REMAIN, D=DEMO
	CAMERA, FIXED COLOR IP, NEW, PROVIDE NEW CAMERA LICENSE
	CAMERA, MULTIMAGER 360 DEGREE, FIXED COLOR IP, NEW, PROVIDE NEW CAMERA LICENSE
	INTERCOM, NEW
	HORN, NEW
S	SOUNDER
V	VIBRATION SENSOR, N=NEW, E=EXISTING TO REMAIN, D=DEMO
DM	DOOR MODULE, DELAYED EGRESS
EX	EXIT HARDWARE, PROVIDED BY DIVISION 28, COORDINATE WITH DIVISION 08 HARDWARE CONTRACTOR
SW ₄	NETWORK SWTICH, POE+ ETHERNET OVER FIBER OPTIC UNIT, 4- CHANNEL

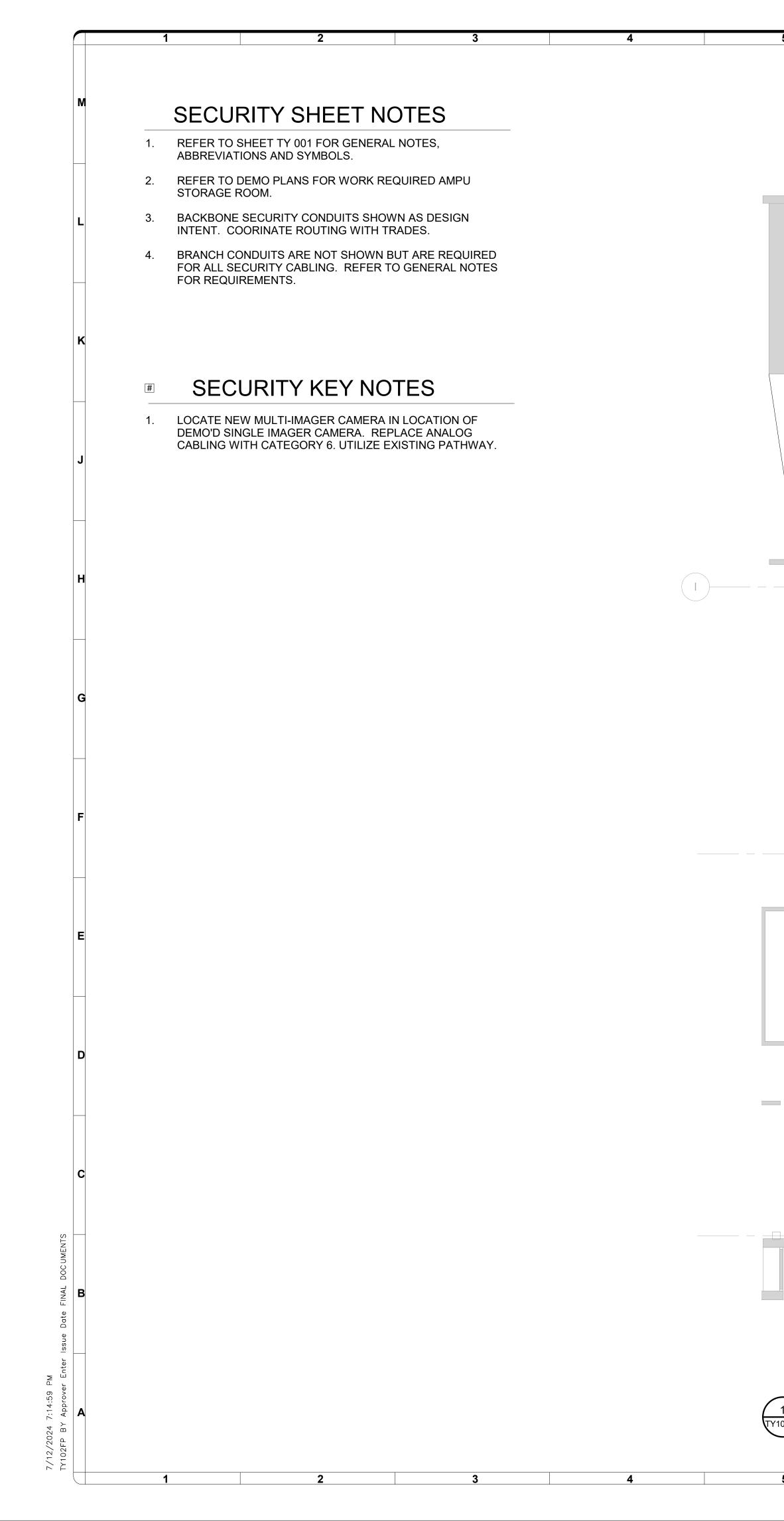
NOTE: DEMO OF DEVICES WILL BE PLANNED FOR RE-USE WHERE PRACTICAL. WHERE DEMO DEVICES ARE NOT REQUIRED FOR PROJECT, DEVICES WILL BE INVENTORIED AND HAND RECEIPT TO OPS THROUGH THE COTR.

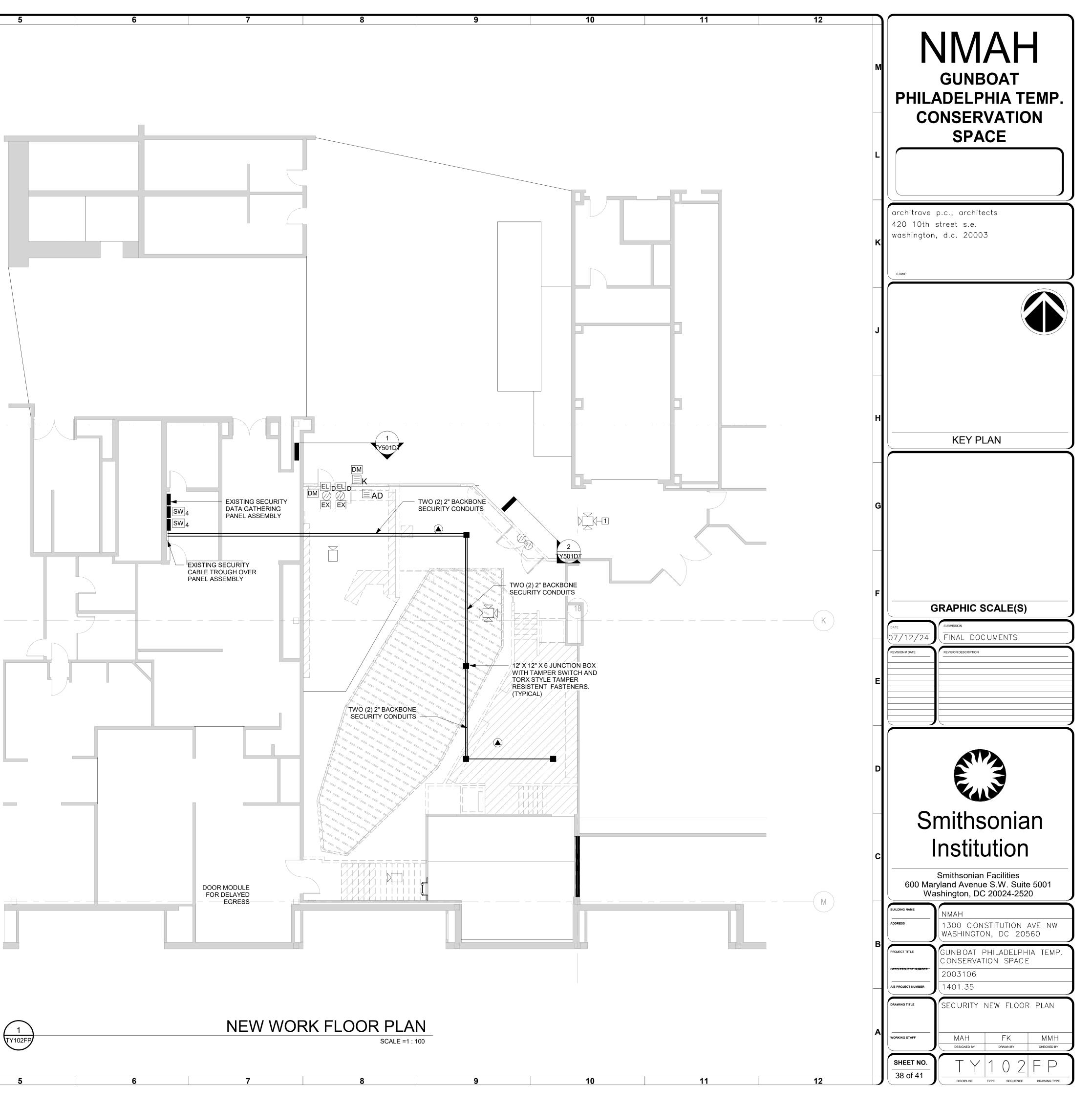
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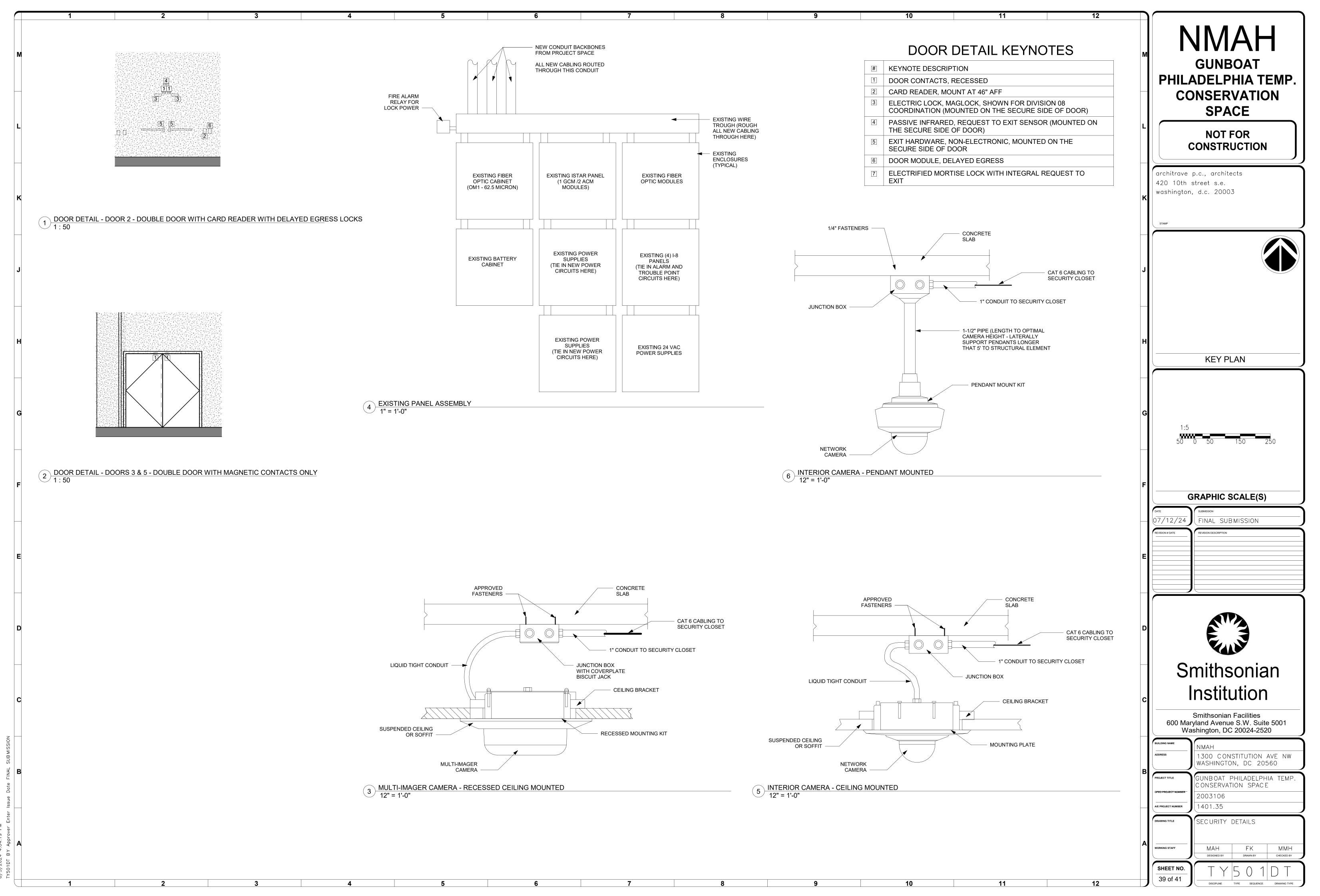
BOLS	NMAH
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	F GRAPHIC SCALE(S) DATE 07/12/24 FINAL SUBMISSION
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	smithsonian Institution
	Smithsonian Facilities 600 Maryland Avenue S.W. Suite 5001 Washington, DC 20024-2520
	B PROJECT TITLE OPEO PROJECT NUMBER CONSERVATION SPACE 2003106
	ARE PROJECT NUMBER 1401.35 DRAWING TITLE SEC URITY SYMBOLS, GENERAL NOTES AND ABBREVIATIONS
	WORKING STAFF MAH FK MMH Designed by drawn by checked by
11 12	SHEET NO. TYOOO1 36 of 41 DISCIPLINE

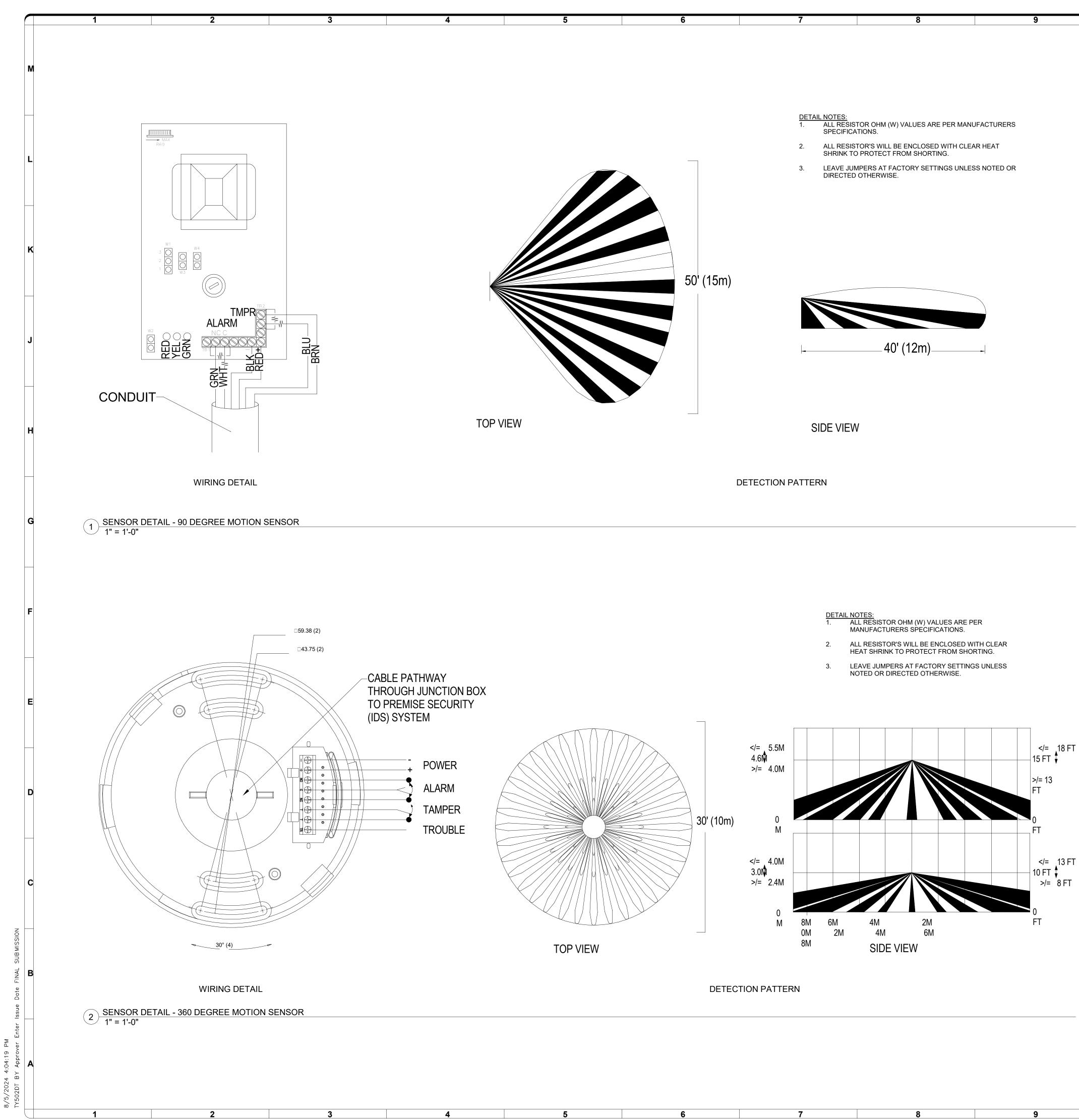


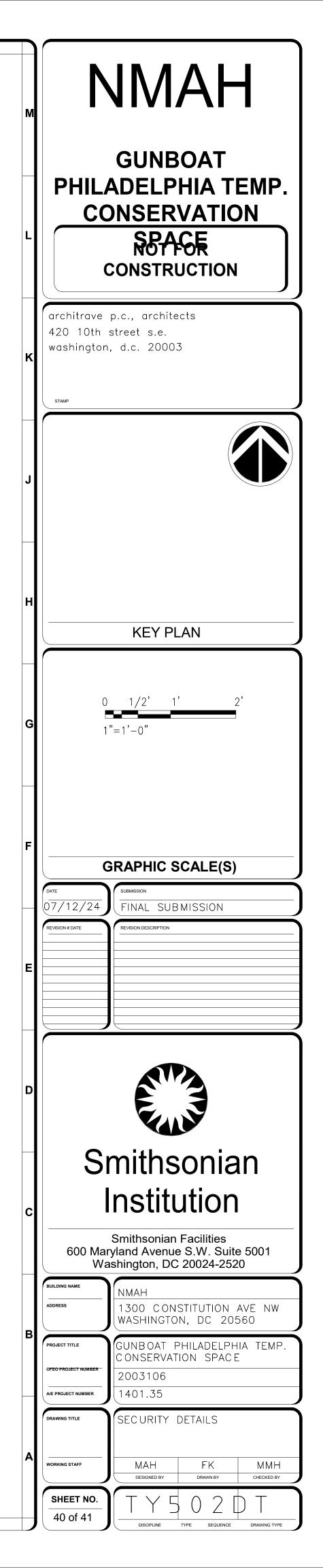


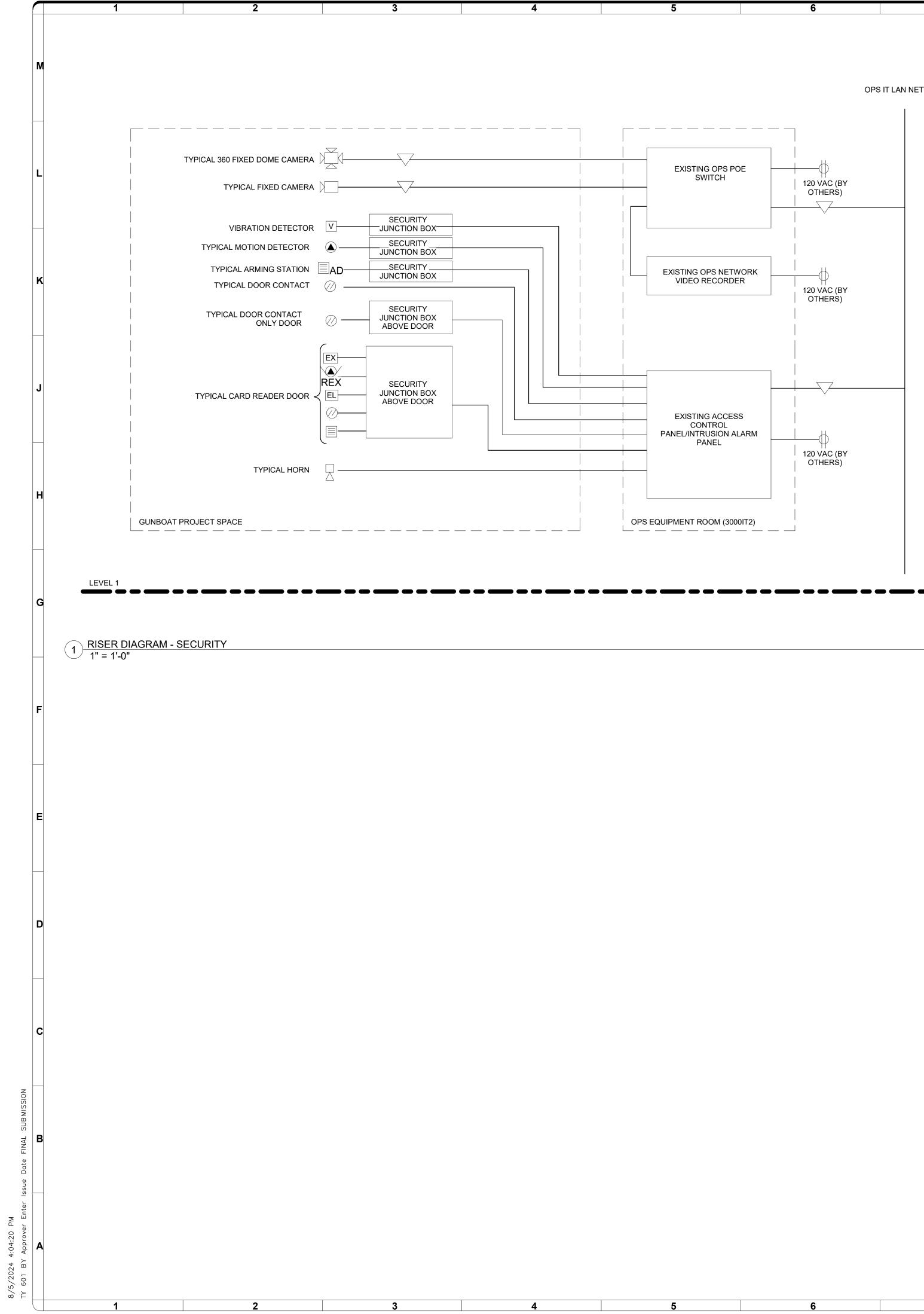












OPS IT LAN NETWORK

SHEET NOTES

SYSTEM ONELINE IS DIAGRAMATIC IN NATURE SHOWING DESIGN INTENT. REFER TO FLOOR PLAN, DATASHEETS AND SPECIFICATIONS FOR COMPLETE SYSTEM REQUIREMENTS.

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