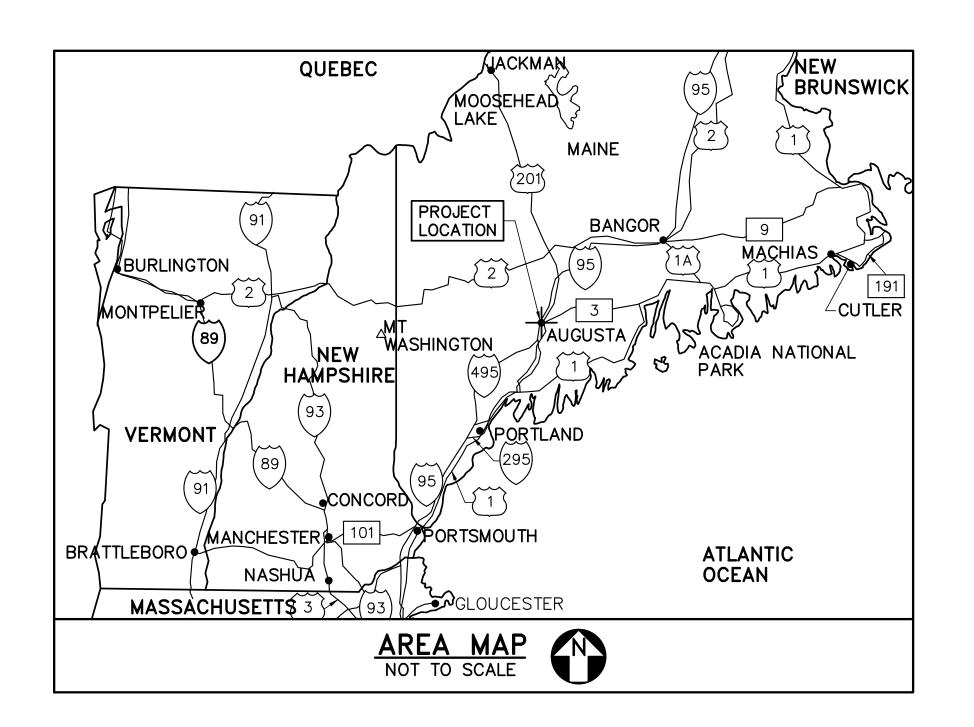
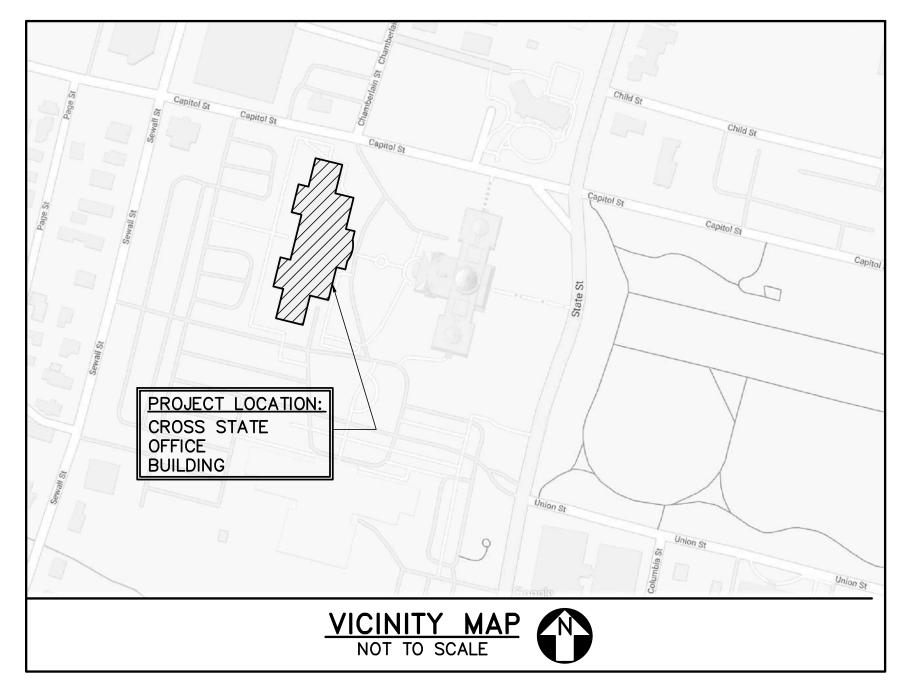
# SECURITY PROJECT SECURITY SCREENING CENTER AUGUSTA, MAINE

OAKPOINT ASSOCIATES

ARCHITECTS - ENGINEERS

231 MAIN STREET, BIDDEFORD, MAINE, 04005





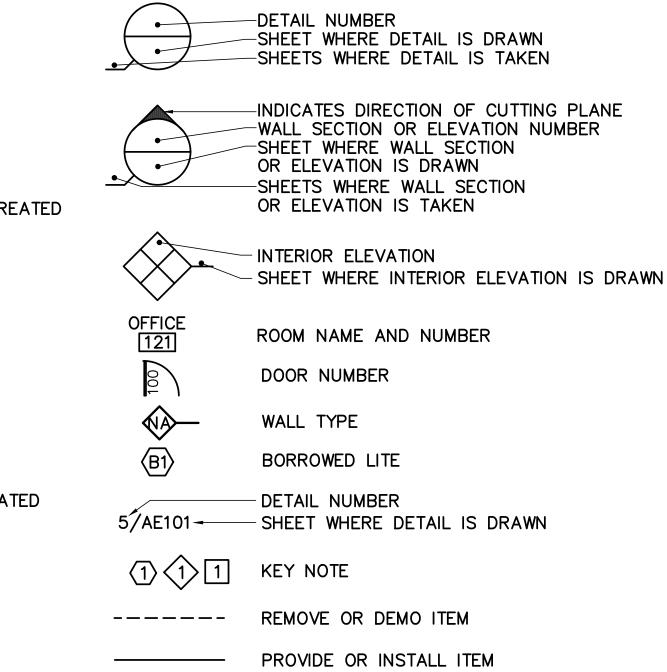
# GENERAL CONSTRUCTION NOTES

- 1. THE BUILDING WILL REMAIN OCCUPIED DURING ALL CONSTRUCTION WORK. COORDINATE WORK SCHEDULE AND MATERIALS DELIVERIES WITH THE GOVERNMENT.
- 2. REPAIR AND REPOINT ALL MORTAR JOINTS AT EXISTING GRANITE PANELS AFFECTED BY NEW BUILDING
- 3. EXISTING EXTERIOR BRICK MASONRY/ CONCRETE BACK-UP WALL AT ALL LOCATIONS WHERE GRANITE PANELS ARE REMOVED WILL BE REPAIRED/INFILLED AND PARGED SMOOTH WITH CEMENT. PARGING MORTAR. WATERPROOF MEMBRANE WILL BE APPLIED TO THE PRIMED AND PARGED SURFACE.
- 4. THE CONTRACTOR MUST FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO COMMENCING WORK
- 5. ALL WORK INCLUDED IN THIS CONTRACT MUST CONFORM TO ALL STATE, NATIONAL AND OTHER CODES AND ORDINANCES WHICH ARE APPLICABLE TO THIS PROJECT.
- 6. WORK FROM GIVEN DIMENSIONS AND LARGE SCALE DETAILS ONLY. DO NOT SCALE DRAWINGS.
- 7. INSTALL BLOCKING BEHIND ALL SURFACE APPLIED FIXTURES, TRIM, GRAB BARS, SHELVES, WOOD TRIM
- 8. ALL ROOM DIMENSIONS ARE FROM FACE OF FRAMING TO FACE OF FRAMING. DIMENSIONS INDICATED AS "CLEAR" MUST BE MAINTAINED IN CASE OF DISCREPANCY.
- 9. BEFORE PENETRATING JOISTS, BEAMS OR OTHER STRUCTURAL MEMBERS, CONSULT WITH THE ARCHITECT FOR APPROVAL.
- 10. AT THE END OF EACH WORKING DAY, THE CONSTRUCTION SITE MUST BE LEFT IN A NEAT, CLEAN, SECURE AND SAFE CONDITION.
- 11. THE CONTRACTOR MUST DISPOSE OF AND/OR RECYCLE ANY CONSTRUCTION DEBRIS FROM THE PROJECT AS REQUIRED BY THE STATE OF MAINE. THE CONTRACTOR MUST BE RESPONSIBLE FOR OBTAINING DISPOSAL PERMITS WHICH ARE REQUIRED. CONSTRUCTION DEBRIS FROM THE PROJECT SHALL BE DISPOSED OF IN A STATE APPROVED LANDFILL.
- 12. ALL WORK MUST BE PROVIDED IN COMPLIANCE WITH THAT INDUSTRIES STANDARDS AND PERFORMED IN A WORKMANLIKE PROFESSIONAL MANNER.

# **ABBREVIATIONS**

± &		PLUS/MINUS AND	
α <b>@</b>			•
_		AT	
BD		BOARD	
<del></del>		CENTERLINE	
CL	G	CEILING	
DIA	A Ø	DIAMETER	
DW	/G	DRAWING	
ELE	EV	ELEVATION	
EX	IST	EXISTING	
FR		FIRE RETARDANT TREATED	
	P BD	GYPSUM BOARD	
MΑ		MAXIMUM	
MF		MANUFACTURER	
	RS	MANUFACTURER'S	XX `
MIN		MINIMUM	<b>V</b>
MIF		MIRROR	OFFICE
МТ		METAL	121
N	_	NORTH	<u></u>
NIC	2	NOT IN CONTRACT	8 /
	), #	NUMBER	<b>I</b> ← 1
NT	S "	NOT TO SCALE	NA-
OC	,	ON CENTER	$\succeq$
PL	YWD	PLYWOOD	⟨B1⟩
PN	IT	PAINT, PAINTED	
PT		PRESERVATIVE TREATED	
RC	:P	REFLECTED	5/AE101 <del>-</del>
		CEILING PLAN	- <b>/</b> · · <del>-</del> · ·
RM		ROOM	
SA		SUSPENDED	
		ACOUSTICAL TILE	<b>~</b>
SC	Н	SCHEDULE	
SIN		SIMILAR	
SS		STAINLESS STEEL	
T\ /		TVDLOAL	

# **LEGEND**



EXISTING ITEM

# PROJECT ALTERNATES

ALTERNATE 1:

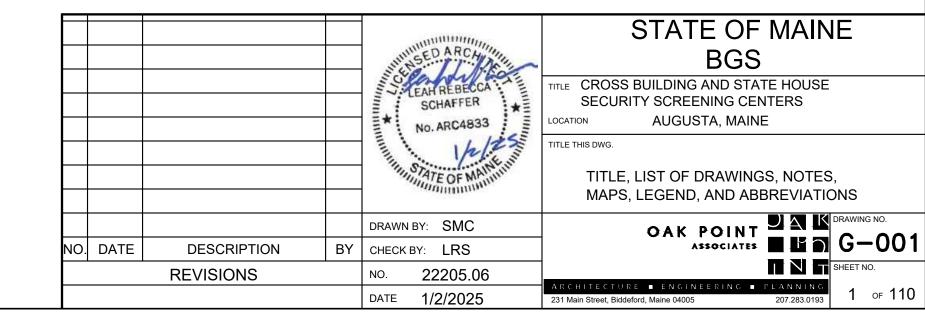
**TYPICAL** 

WOOD

PROVIDE BUILT-IN DISPLAY CASE AT ENTRY VESTIBULE 126. SEE AE403 FOR ADDITIONAL INFORMATION.

# LIST OF DRAWINGS

SHEET DIS	CIPLINE <u>TITLE</u> HEET
1 OF 110 O 2 OF 110 O 3 OF 110 O 4 OF 110 O 5 OF 110 O 6 OF 110 O 7 OF 110 O 8 OF 110 O 9 OF 110 O 10 OF 110 O 11 OF 110 O	-001 TITLE, LIST OF DRAWINGS, NOTES, MAPS, LEGEND, AND ABBREVIATIONS -002 RENDERINGS -003 CODE INFORMATION -101 BASEMENT FLOOR EGRESS PLAN -102 FIRST FLOOR EGRESS AND FIRE RATING PLANS -103 SECOND FLOOR EGRESS PLAN -104 THIRD FLOOR OCCUPANCY PLAN -105 FOURTH FLOOR OCCUPANCY PLAN -106 FIFTH FLOOR OCCUPANCY PLAN -107 SIXTH FLOOR OCCUPANCY PLAN -108 SEVENTH FLOOR OCCUPANCY PLAN
	X101 OVERALL EXISTING CONDITIONS PLAN D101 EXISTING CONDITIONS/REMOVALS PLAN S101 SITE/LAYOUT PLAN S102 ENTRY PLAZA PLANS AND DETAILS U101 UTILITY PLAN G101 GRADING AND EROSION CONTROL PLAN -501 EROSION AND SEDIMENTATION CONTROL NOTES AND DETAILS -502 SITE DETAILS - 1 -503 SITE DETAILS - 2 -504 SITE DETAILS - 3
29 OF 110 S 30 OF 110 S 31 OF 110 S	-001 STRUCTURAL NOTES -002 STRUCTURAL GENERAL NOTES, DESIGN LOADS, AND ABBREVIATIONS B101 FOUNDATION PART PLAN AND DETAILS B501 FOUNDATION DETAILS F101 CANOPY FRAMING AND ROOF FRAMING PART PLANS AND DETAILS F102 STATE HOUSE PARTIAL FIRST FLOOR REPAIR PLAN AND DETAILS F103 PARTIAL FIRST FLOOR FRAMING REPAIR PLAN AND DETAILS F501 STRUCTURAL DETAILS 1
37 OF 110 A 38 OF 110 A 39 OF 110 A 40 OF 110 A 41 OF 110 A 42 OF 110 A 43 OF 110 A 45 OF 110 A 46 OF 110 A 47 OF 110 A 48 OF 110 A 49 OF 110 A 50 OF 110 A 51 OF 110 A 52 OF 110 A 53 OF 110 A 54 OF 110 A 55 OF 110 A 56 OF 110 A 57 OF 110 A 58 OF 110 A 69 OF 110 A 60 OF 110 A 61 OF 110 A 62 OF 110 A 63 OF 110 A 64 OF 110 A 65 OF 110 A 66 OF 110 A 67 OF 110 A 68 OF 110 A	D102 PARTIAL FIRST FLOOR REMOVALS PLAN 1 D103 PARTIAL FIRST FLOOR REMOVALS PLAN 2 D104 STATE HOUSE— PARTIAL FIRST FLOOR REMOVALS PLAN AND REFLECTED CEILING PLAN D105 PARTIAL SEVENTH FLOOR, PENTHOUSE, AND ROOF REMOVALS PLANS D201 SOUTH AND WEST ELEVATIONS REMOVALS D202 PENTHOUSE ELEVATIONS REMOVALS D202 PENTHOUSE ELEVATIONS REMOVALS D202 PARTIAL FIRST FLOOR REFLECTED CEILING REMOVALS PLAN 1 D702 PARTIAL FIRST FLOOR REFLECTED CEILING REMOVALS PLAN 2 E001 WALL TYPES AND FIRESTOPPING DETAILS E101 PARTIAL FIRST FLOOR PLANS 1 E102 PARTIAL FIRST FLOOR PLANS 2 E103 STATE HOUSE.— PARTIAL FIRST FLOOR PLAN E104 PARTIAL SEVENTH FLOOR, PENTHOUSE, AND ROOF PLANS E201 EXTERIOR ELEVATIONS E202 PENTHOUSE ELEVATIONS E202 PENTHOUSE ELEVATIONS E203 PENTHOUSE ELEVATIONS E301 BUILDING SECTIONS E401 ENLARGED BATHROOM PLANS AND INTERIOR ELEVATIONS E402 ENLARGED CAPITAL POLICE OFFICES AND INTERIOR ELEVATIONS E403 ENLARGED ENTRY VESTIBULE AND CAPITAL POLICE DESK AND INTERIOR ELEVATIONS E501 WALL AND ROOF DETAILS E502 WALL DETAILS 1 E503 WALL DETAILS 2 E504 CANOPY DETAILS 1 E556 CABINETRY DETAILS 1 E556 CABINETRY DETAILS 2 E504 WALL PLAN DETAILS E556 CABINETRY DETAILS 2 E505 WALL PLAN DETAILS E506 WALL PLAN DETAILS E507 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN 1 E702 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN 1 E702 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN 2 E703 STATE HOUSE—PARTIAL FIRST FLOOR REFLECTED CEILING PLAN 2 E703 STATE HOUSE—PARTIAL FIRST FLOOR REFLECTED CEILING PLAN 2 E704 CEILING AND SOFFIT DETAILS E705 INTERIOR ELEVATIONS E706 INTERIOR ELEVATIONS E707 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN 2 EFILING AND SOFFIT DETAILS E708 INTERIOR ELEVATIONS E709 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN 2 EFILING AND SOFFIT DETAILS E700 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN 1
78 OF 110 N 79 OF 110 F	D101 FIRST FLOOR MECHANICAL DUCTWORK REMOVALS PART PLANS D102 FIRST FLOOR MECHANICAL PIPING REMOVALS PART PLANS D101 STATE HOUSE FIRST FLOOR PLUMBING REMOVALS PART PLANS
85 OF 110 N	FIRST FLOOR PLUMBING PART PLAN — NORTH  H101 FIRST FLOOR MECHANICAL DUCTWORK PART PLANS H102 BASEMENT AND SEVENTH FLOOR MECHANICAL DUCTWORK PART PLANS H103 STATE HOUSE FIRST FLOOR MECHANICAL PART PLANS H101 FIRST FLOOR MECHANICAL PIPING PART PLANS H102 MECHANICAL AND PLUMBING DETAILS 1 H103 MECHANICAL AND PLUMBING SCHEDULES 1
89 OF 110 F 90 OF 110 F 91 OF 110 F 92 OF 110 F	X001 SPRINKLER SYMBOLS, LEGENDS, ABBREVIATIONS, GENERAL NOTES, AND LOCATION PLAN D101 FIRST FLOOR SPRINKLER REMOVALS PART PLANS X101 FIRST FLOOR SPRINKLER PART PLANS
93 OF 110 E 94 OF 110 E 95 OF 110 E 96 OF 110 E 97 OF 110 E 98 OF 110 E 100 OF 110 E 101 OF 110 E 102 OF 110 E 103 OF 110 E 104 OF 110 E 105 OF 110 E 106 OF 110 E 107 OF 110 E 108 OF 110 E 109 OF 110 E	D101 PARTIAL FIRST FLOOR ELECTRICAL REMOVALS PLAN 1 D102 PARTIAL FIRST FLOOR ELECTRICAL REMOVALS PLAN 2 D103 STATE HOUSE—PARTIAL ELECTRICAL FIRST FLOOR REMOVALS PLAN AND REFLECTED CEILING PLAN S101 ELECTRICAL SITE PLAN P101 PARTIAL FIRST FLOOR POWER PLANS 1 P102 PARTIAL FIRST FLOOR POWER PLANS 2 P103 PARTIAL SEVENTH FLOOR, PENTHOUSE, AND STATE HOUSE POWER PLANS P601 PANELBOARD SCHEDULES—1 P602 PANELBOARD SCHEDULES—2 L101 PARTIAL FIRST FLOOR LIGHTING PLAN 1 L102 PARTIAL FIRST FLOOR LIGHTING PLAN 2 L103 STATE HOUSE—PARTIAL FIRST FLOOR LIGHTING PLAN L701 LIGHTING FIXTURE SCHEDULE AND DETAILS T101 PARTIAL FIRST FLOOR TECHNOLOGY AND SECURITY PLANS 1 AND DETAILS T102 PARTIAL FIRST FLOOR TECHNOLOGY AND SECURITY PLANS 2 AND DETAILS T103 STATE HOUSE—PARTIAL FIRST FLOOR TECHNOLOGY PLANS AND DETAILS





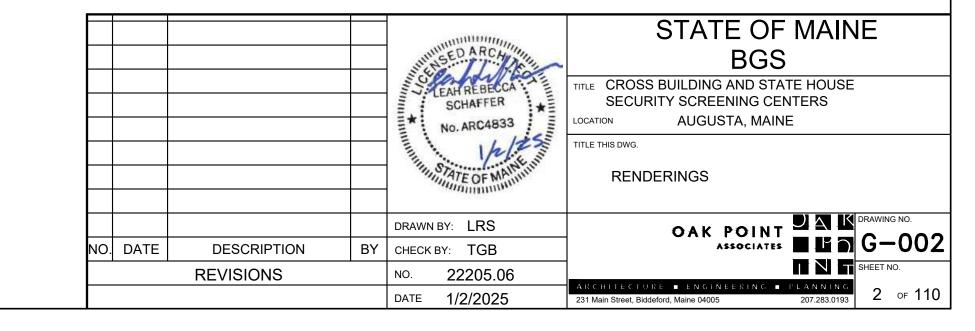
1 APPROACH FROM PARKING LOT G-002 NOT TO SCALE



3 APPROACH VIEW FROM ROAD G-002 NOT TO SCALE



2 EXIT VIEW G-002 NOT TO SCALE



# APPLICABLE LIFE SAFETY/BUILDING CODES

- AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES
- 2. MAINE UNIFORM BUILDING AND ENERGY CODE (MUBEC) WHICH IS BASED ON THE 2015 INTERNATIONAL BUILDING CODE (IBC) WITH
- 3. RULES OF THE STATE FIRE MARSHAL, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) NATIONAL FIRE CODES WITH AMENDMENTS:
  - NFPA 1, FIRE CODE, 2018 EDITION
  - NFPA 10, STANDARD FOR PORTABLE FIRE EXTINGUISHERS, 2018 EDITION
  - NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2016 EDITION NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE, 2019 EDITION
  - NFPA 80, STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES, 2019 EDITION
  - NFPA 96, STANDARD FOR THE VENTILATION CONTROL AND FIRE PROTECTION OF COMMERCIAL COOKING OPERATIONS, 2021 EDITION
  - NFPA 101, THE LIFE SAFETY CODE, 2018 EDITION NFPA 220, STANDARD ON TYPES OF BUILDING CONSTRUCTION, 2018 EDITION
  - NFPA 221, STANDARD ON HIGH CHALLENGE FIRE WALLS, FIRE WALLS, AND FIRE BARRIER WALLS, 2018 EDITION
- NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS, 2019 EDITION

# BUILDING LIFE SAFETY SUMMARY (CROSS OFFICE BUILDING)

- 1. THE BUILDING WAS NOT EVALUATED OUTSIDE OF THE SCOPE OF WORK AREAS NOTED BELOW. LIFE SAFETY SHEETS HAVE BEEN PROVIDED TO SHOW PRIMARY EGRESS PATHS AND OVERALL BUILDING OCCUPANT LOAD BY FLOOR. THE ONLY EGRESS CHANGE TO THE BUILDING IS THE INCLUSION OF THE NEW SECURITY LOBBY INTO THE EXISTING 2HR EXIT PASSAGEWAY FROM THE INTERIOR EXIT STAIRS. THE 2 HR SEPARATION WILL BE MAINTAINED BETWEEN OCCUPIED SPACES AND THE EXIT
- 2. THE EXISTING BUILDING IS A MIXED USE BUSINESS OCCUPANCY AND WILL REMAIN AS THE SAME USE. THE WORK AREA IS CONTAINED TO THE FOLLOWING AREAS. - MECHANICAL, ELECTRICAL, AND MINOR STRUCTURAL WORK IN THE BASEMENT FOR
  - RENOVATION TO THE FIRST FLOOR. MODIFICATION AND RENOVATION TO NORTH END CAFETERIA ANNEX TO CAPITAL POLICE OFFICES. EXTENSION OF SOUTH EGRESS CORRIDOR TO INCLUDE SECURITY SCREENING LOBBY. ONE-STORY ADDITION FOR NEW ENTRY AND EXIT VESTIBULES. - WORK OF SEVENTH FLOOR AND PENTHOUSE TO INCLUDE ELECTRICAL, MECHANICAL, AND BUILDING ENVELOPE WORK FOR BUILDING ANTENNA TO BE RELOCATED OR ADDED. WORK

ON THESE FLOOR IS CONTAINED TO IT ROOM T71 AND ADJACENT ELECTRICAL ROOM 719.

- NO WORK IS EXPECTED ON THE SECOND FLOOR THROUGH 6TH FLOOR.
- 2. CLASSIFICATION OF WORK: NFPA ADDITION (SOUTH END), MODIFICATION (FIRST FLOOR NORTH END, SEVENTH FLOOR ANTENNA WORK), RECONSTRUCTION(FIRST FLOOR SOUTH END) NEW CONSTRUCTION AND ALTERATION
- 3. EXISTING NUMBER OF STORIES: 7 PLUS PENTHOUSE, ADDITION NUMBER OF STORIES: 1
- 4. BUILDING FOOTPRINT: 35,603 EXISTING, 563 ADDITION, 36,166 SQUARE FEET TOTAL (AS DEFINED
- 5. CALCULATED OCCUPANT LOAD: EXISTING, NEW,

BULDING CODE SUMMARY (2015 IBC) CROSS OFFICE BUILDING

- 6. CONSTRUCTION TYPE: NFPA TYPE II (222), IBC TYPE 2A 7. OCCUPANCY CLASSIFICATION EXISTING USÉ: BUSINESS USE WITH MIXED USES. NEW USE: BUSINESS
- USE WITH MIXED USES. 8. FIRE SUPPRESSION: SPRINKLER COVERAGE BEING DESIGNED TO NFPA 13 FOR ALL MODIFICATIONS TO EXISTING SYSTEM.
- 9. FIRE ALARM SYSTEM: ADDRESSABLE FIRE ALARM SYSTEM PER NFPA 72. ALL MODIFICATIONS TO EXISTING SYSTEM TO BE DESIGNED TO NFPA 72.

LIFE SAFETY	CODE SUMMARY	(2018 N	1FPA) CROSS	OFFICE B	UILDING
OTE: CODE ANALYSIS HAS BEEN CO VERALL BUILDING ANALYSIS INCLUDE					
BUILDING FEATURE	REQUIRED/AL	LOWED	PROVID	ED	F
_ASSIFICATION OF WORK	NOT APPLICABLE		MODIFICATION, RECON	ISTRUCTION,	NFPA 101

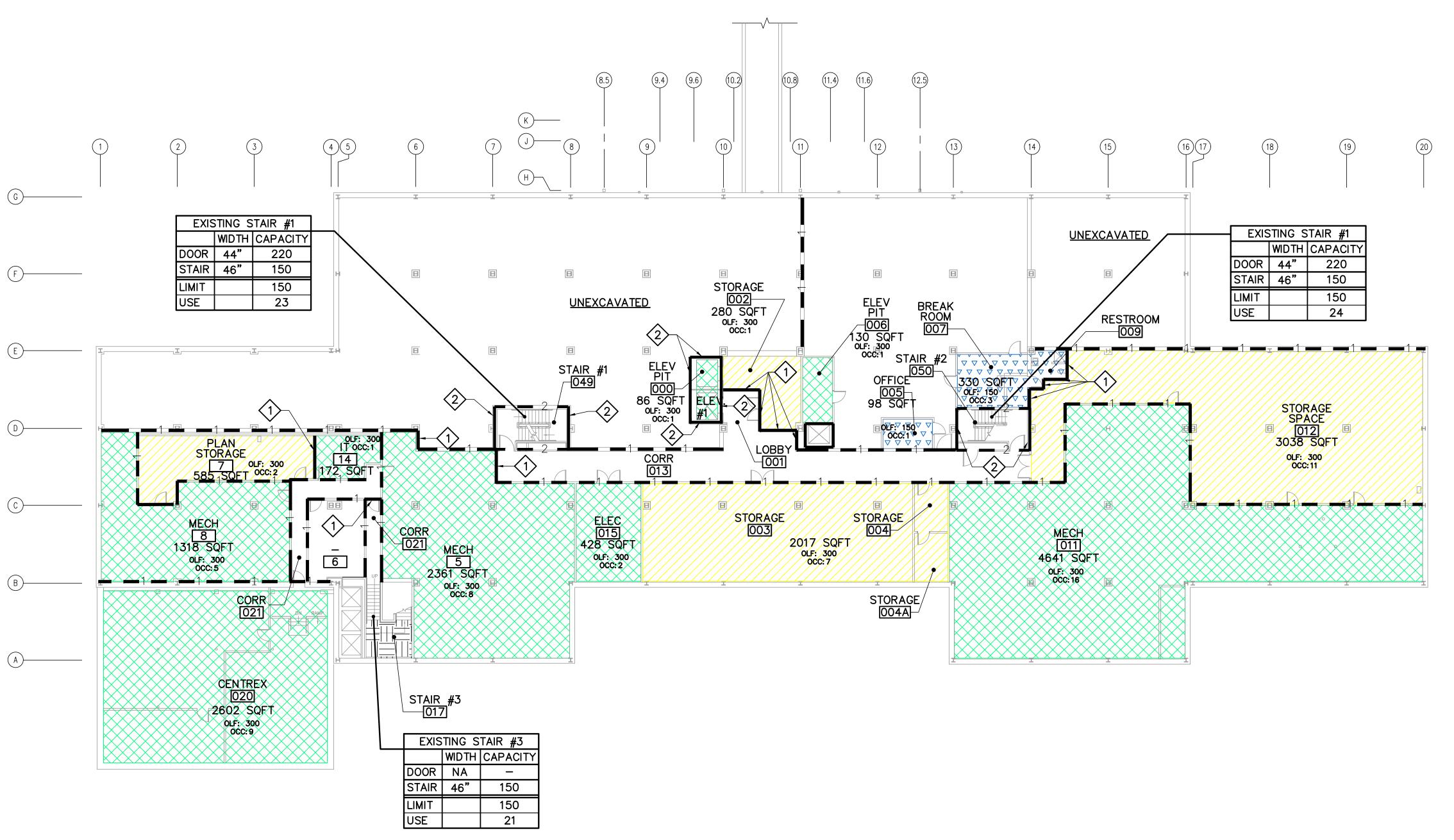
BUILDING FEATURE	REQUIRED/ALLOWED	PROVIDED	REFERENCE
CLASSIFICATION OF WORK	NOT APPLICABLE	MODIFICATION, RECONSTRUCTION, ADDITION	NFPA 101 SECTIONS 43.2.2.1.3, 43.2.2.1.4, 43.2.2.1.7
OCCUPANCY CLASSIFICATION	NOT APPLICABLE	ASSEMBLY, BUSINESS, STORAGE	NFPA 101 SECTIONS 6.1.2, 6.1.11, 6.1.13
SEPARATION OF OCCUPANCIES	EXISTING BUILDING IS MIXED USE WITH LARGER ASSEMBLY AREAS SEPARATED FROM OTHER USES.	1-HOUR SEPARATION PROVIDED BETWEEN BUSINESS AND ASSEMBLY ≤ 300	NFPA 101 6.1.14.3
TYPE OF CONSTRUCTION	NOT APPLICABLE	NFPA TYPE II (111), PROTECTED STEEL AND CONCRETE FRAME	NFPA 220 TABLE 4.1.1, SECTION 4.6
USE AND ASSOCIATED OCCUPANT LOAD FACTOR	ASSEMBLY LESS CONCENTRATED: 15 NET ASSEMBLY CONCENTRATED: 7 NET BUSINESS: 150 SF/PERSON KITCHEN: 100 SF/PERSON STORAGE: 500 SF/PERSON		NFPA 101 TABLE 7.3.1.2
NUMBER OF EXITS	BUSINESS: 2 MEANS OF EGRESS	EXISTING UNCHANGED EXCEPT AT NEW ENTRY AND EXIT VESTIBULES. BOTH ARE ACCESSIBLE MEANS OF EGRESS.	NFPA 101 SECTIONS 7.4.1.1 AND 14.2.1.3
EXIT CAPACITY	DOORS, LEVEL COMPONENTS, AND RAMPS: 0.2 IN./PERSON	PROVIDED THROUGHOUT WORK AREA, SEE LIFE SAFETY PLANS.	NFPA 101 TABLE 7.3.3.1
MINIMUM MEANS OF EGRESS CLEANING WIDTH	AR 44 IN CLEAR WIDTH BUSINESS USE OVER 50 OCC	8 FT PROVIDED/EXISTING	NFPA 101 SECTION 39.2.3.2
MINIMUM DOOR CLEAR WIDTH	32 INCHES	32 INCHES	NFPA 101 SECTION 7.2.1.2.3.2
REMOTENESS OF EGRESS	<pre>&gt;/= TO ONE—THIRD THE LENGTH OF MAXIMUM OVERALL DIAGONAL</pre>	PROVIDED, SEE LIFE SAFETY PLAN.	NFPA 101 SECTION 7.5.1.3.2
TRAVEL DISTANCE	ASSEMBLY 250 FT WITH SPRINKLER BUSINESS 300 FT WITH SPRINKLER STORAGE 400 FT WITH SPRINKLER	107'-0" WITHIN WORK AREA	NFPA 101 TABLES A.7.6
COMMON PATH OF TRAVEL	ASSEMBLY GREATER THAN 50 OCC 20 FT WITH SPRINKLER SYSTEM	55'-0" WITHIN WORK AREA	NFPA 101 TABLE A.7.6
	ASSEMBLY LESS THAN 50 OCC 75 FT WITH SPRINKLER SYSTEM		
	BUSINESS 100 FT WITH SPRINKLER SYSTEM		
	STORAGE 100 FT WITH SPRINKLER		
DEAD END CORRIDOR	50 FT WITH SPRINKLER BUSINESS 20 FT WITH SPRINKLER ASSEMBLY	18'-9" WITHIN WORK AREA	NFPA 101 TABLE A.7.6
ACCESSIBLE MEANS OF EGRESS	2 ACCESSIBLE MEANS	EXISTING UNCHANGED EXCEPT AT NEW ENTRY AND EXIT VESTIBULES. BOTH ARE ACCESSIBLE MEANS OF EGRESS.	NFPA 101 SECTION 7.5.4.1.2
DISCHARGE FROM EXITS	DIRECTLY TO EXTERIOR OR PUBLIC WAY	EGRESS FROM UPPER FLOORS IS THROUGH EXIT PASSAGEWAYS THAT MAINTAIN 2HR PROTECTION.	NFPA 101 SECTIONS 7.7.1, 12.2.7, 13.2.7, 38.2.7, AND 39.2.7
INTERIOR FIRE RESISTANCE RATIN	GS COMBUSTIBLE CONCEALED SPACES:  - DRAFTSTOPPING NOT REQUIRED WHERE SPRINKLERS ARE PROVIDED	CONCEALED SPACE ABOVE WOOD CEILING AT VISITOR SCREENING HAS BEEN PROVIDED WITH SPRINKLERS	NFPA 101 SECTIONS 8.6.11
	CORRIDOR RATING IS NOT REQUIRED IN BUILDINGS PROTECTED BY AUTOMATIC SPRINKLER SYSTEM.		NFPA 101 SECTION 12.3.6 AND 38.3.6
INTERIOR WALL AND CEILING FINISHES — MINIMUM RATING	CORRIDORS AND LOBBIES: B EXITS: B EXIT ACCESS CORRIDOR: C	CORRIDORS AND LOBBIES: B EXITS: B EXIT ACCESS CORRIDOR: C	NFPA 101 TABLE A.10.2.2 AND SECTIONS 7.1.4, 12.3.3, 13.3.3, 38.3.3, AND 39.3.3
WITH SPRINKLERS AUTOMATIC SPRINKLER SYSTEM	REMAINDER OF BUILDING: C REQUIRED	REMAINDER OF BUILDING: C  EXISTING MODIFIED AS REQUIRED AT  AREAS OF WORK, NFPA 13 PROVIDED	NFPA 101, SECTIONS 9.7.1, 12.3.5. 13.3.5.1, 38.3.5.1, AND 39.3.5.1
PORTABLE FIRE EXTINGUISHERS	NOT REQUIRED	PROVIDED	NFPA 101, SECTION 9.9
FIRE ALARM SYSTEM	REQUIRED	EXISTING MODIFIED AS REQUIRED AT AREAS OF WORK, SEE ELECTRICAL SHEETS	NFPA 101, SECTIONS 9.6, 12.3.4.1, 13.3.4.1, 38.3.4.1 AND 39.3.4.1
MASS NOTIFICATION SYSTEM	NOT REQUIRED	EXISTING UNCHANGED	NFPA 101, SECTION 9.14
EMERGENCY LIGHTING	REQUIRED	PROVIDED, SEE ELECTRICAL SHEETS.	NFPA 101, SECTIONS 7.9.1.1, 12.2.1 13.2.9, 38.2.9, AND 39.2.9
EXIT SIGNAGE	REQUIRED	EXISTING MODIFIED AS REQUIRED AT AREAS OF WORK, SEE ELECTRICAL SHEETS	NFPA 101, SECTIONS 7.10 AND 14.2.10

BUILDING FEATURE	REQUIRED/ALLOWED	PROVIDED	REFERENCE
CLASSIFICATION OF WORK	NOT APPLICABLE	LEVEL 2 ALTERATION	IEBC SECTION 503 AND CHAPTER 8
OCCUPANCY CLASSIFICATION	NOT APPLICABLE	B, A-2, A-3, S-1	IBC SECTIONS 305
SEPERATION OF OCCUPANCES	NOT REQUIRED	BUILDING IS MIXED USE OCCUPANCIES.	IBC TABLE 508.4
		1 HR SEPARATION HAS BEEN PROVIDED BETWEEN NEW OFFICES AND CAFETERIA AT NORTH END OF BUILDING.	
TYPE OF CONSTRUCTION	TYPE 2A, PROTECTED	TYPE 2A, PROTECTED	IBC TABLE 601 AND SECTION 602.5
BUILDING HEIGHT	85'	108'± TO EXISTING PENTHOUSE. NO CHANGES ARE PROPOSED TO HEIGHT OF EXISTING BUILDING. NEW ADDITON IS 13'-6"±.	IBC TABLE 504.3
BUILDING NUMBER OF STORIES	4 STORIES ASSEMBLY USE 6 STORIES BUSINESS USE	NEW ADDITION IS 1-STORY EXISTING BUILDING IS 7-STORIES AND NO CHANGES ARE PROPOSED.	IBC TABLE 504.4
BUILDING ALLOWABLE AREA	112,500 SF BUSINESS USE 46,500 SF A-2 AND A-3 USE	35,039 SF FOOTPRINT	IBC SECTION 506.2
	BASEMENT IS LESS THAN ALLOWABLE AREA FOR A 1—STORY BUILDING AND IS NOT INCLUDED IN TOTAL BUILDING AREA. IBC 506.1.3	SUM OF THE RATIOS OF ALL FLOOR EQUALS 2.69 WHICH IS LESS THAN 3 AS ALLOWED PER IBC 506.2.4.	
EXTERIOR EXPOSURE PROTECTION	NO RATING REQUIRED		IBC TABLE 602 AND TABLE 705.8
INTERIOR FIRE RESISTANCE RATINGS	(FIRE SEPARATION DISTANCE >30'-0")  CORRIDORS: 0 HR WITH SPRINKLER	CORRIDORS: SMOKE PARTITION PROVIDED.	
	SYSTEM.  DUCTWORK SHAFTS: 1—HR CONNECTING	DUCTWORK SHAFTS: ALL NEW SHAFTS CONNECT ONLY 2—STORIES AND ARE RATED FOR 1—HR.	IBC SECTION 713.4
BUILDING STRUCTURE FIRE-RESISTANCE RATINGS	PRIMARY STRUCTURAL FRAME: 1-HOUR BEARING WALLS (EXTERIOR): 1-HOUR BEARING WALLS (INTERIOR): 1-HOUR FLOOR CONSTRUCTION: 1-HOUR ROOF CONSTRUCTION: 1-HOUR	PRIMARY STRUCTURAL FRAME: 1-HOUR BEARING WALLS (EXTERIOR): 1-HOUR BEARING WALLS (INTERIOR): 1-HOUR FLOOR CONSTRUCTION: 1-HOUR ROOF CONSTRUCTION: 1-HOUR	IBC TABLE 601
SEISMIC DESIGN CATEGORY			
SEISMIC DESIGN CATEGORY FUNCTION AND ASSOCIATED	NOT APPLICABLE ASSEMBLY LESS CONCENTRATED: 15 NET	SEE STRUCTURAL SHEETS SEE EGRESS CALCULATIONS ON LIFE	IBC TABLE 1004.5
OCCUPANT LOAD FACTOR	ASSEMBLY CONCENTRATED: 7 NET BUSINESS: 100 SF/PERSON KITCHEN: 200 SF/PERSON STORAGE: 300 SF/PERSON	SAFETY PLANS. THE MORE CONSERVATIVE OCCUPANT LOAD FACTOR BETWEEN NFPA 101 AND IBC HAS BEEN USED.	**NOTE IN MORE RECENT ADDITIONS IBC BUSINESS USE OCC IS 150/ SF
NUMBER OF EXITS	ONE MEANS OF EGRESS PERMITTED FOR THE FOLLOWING OCCUPANT LOADS: B,A: <49	1 OR 2 EXITS PROVIDED FROM SPACES AS REQUIRED. SEE LIFE SAFETY PLAN.	IBC SECTION 1006.2.1 AND TABLE 1006.2.1
	3 REQUIRED FROM STORIES WITH OCCUPANT LOAD BETWEEN 501-1,000.	OCCUPANT LOAD OF GROUND FLOOR IS 610. 3—EXITS ARE PROVIDED.	TABLE 1006.3.1
EXIT CAPACITY	DOOR, LEVEL COMPONENTS, AND RAMPS: 0.15 IN./PERSON,	PROVIDED THROUGHOUT, SEE LIFE SAFETY PLAN.	IBC SECTION 1005.3.2
MINIMUM CORRIDOR CLEAR WIDTH	36" WHEN OCC IS <49 44" IN ALL OTHER LOCATIONS	36" PROVIDED AT MIN	IBC TABLE 1020.2
MINIMUM DOOR CLEAR WIDTH	32"	PROVIDED THROUGHOUT, SEE DOOR SCHEDULE.	IBC SECTION 1010.1.1
REMOTENESS OF EGRESS	>/= TO ONE-THIRD THE LENGTH OF MAXIMUM OVERALL DIAGONAL	PROVIDED, SEE LIFE SAFETY PLAN.	IBC SECTION 1007.1.1 EXCEPTION 2
TRAVEL DISTANCE	250 FT WITH SPRINKLER SYSTEM	107'-0" WITH WORK AREA	IBC TABLE 1017.2
COMMON PATH OF TRAVEL	75 FT WITH SPRINKLER SYSTEM	55'-0" WITHIN WORK AREA	IBC TABLE 1006.2.1
DEAD END CORRIDOR PATH	50 FT WITH SPRINKLER BUSINESS 20 FT WITH SPRINKLER ASSEMBLY	18'-9" WITHIN WORK AREA	IBC SECTION 1020.4 EXCEPTION 2.
ACCESSIBLE MEANS OF EGRESS	2 REQUIRED	3 PROVIDED AT 1ST FLOOR EXISTING UNCHANGED EXCEPT AT NEW ENTRY AND EXIT VESTIBULES. BOTH	IBC SECTION 1009.1
DISCHARGE FROM EXITS	DIRECTLY TO EXTERIOR	ARE ACCESSIBLE MEANS OF EGRESS.  EGRESS FROM UPPER FLOORS IS THROUGH EXIT PASSAGEWAYS THAT MAINTAIN 2HR PROTECTION.	IBC SECTION 1028.1
INTERIOR WALL AND CEILING FINISHES — MINIMUM RATING	LOBBIES: B REMAINDER OF EXIT STAIR: B BUILDING: C CORRIDORS: B	LOBBIES: B REMAINDER OF EXIT STAIR: B BUILDING: C CORRIDORS: B	IBC TABLE 803.11
AUTOMATIC SPRINKLER SYSTEM	NOT REQUIRED FOR FIRE AREAS LESS THAN 12,000 SF	PROVIDED	IBC SECTIONS 903.2.3
PORTABLE FIRE EXTINGUISHERS	REQUIRED	PROVIDED	IBC SECTION 906.1
FIRE ALARM SYSTEM	REQUIRED	PROVIDED, SEE ELECTRICAL SHEETS.	IBC SECTIONS 907.2.2
EMERGENCY LIGHTING	REQUIRED	PROVIDED, SEE ELECTRICAL SHEETS.	IBC SECTION 1008.2
		PROVIDED, SEE ELECTRICAL SHEETS.	IBC SECTION 1013.1

STATE OF MAINE LE CROSS BUILDING AND STATE HOUSE SECURITY SCREENING CENTERS No. ARC4833 LOCATION AUGUSTA, MAINE CODE INFORMATION OAK POINT PAR DRAWING NO.

ASSOCIATES FE G G G G G IO. DATE BY CHECK BY: TGB DESCRIPTION NO. 22205.06 **REVISIONS** DATE 1/2/2025

02 Jan, 2025 — 1:49pm Y:\22205.06\22205.06-G003.dwg



# 1 BASEMENT FLOOR LIFE SAFETY PLAN



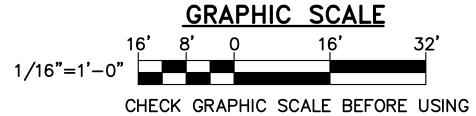
TOTAL FLOOR OCCUPANT LOAD: 68+/-

# NOTES TO CODE REVIEWER:

NO CHANGES IMPACTING EGRESS OR LIFE SAFETY ARE OCCURRING ON THIS FLOOR. FLOOR PLAN IS SHOWN FOR REFERENCE AND GENERAL BUILDING OCCUPANCY LOAD ONLY.

STAIR EGRESS CALCULATIONS ARE SHOWN AS OCCUPANTS CONVERGE ON 1ST FLOOR FOR EXIT DISCHARGE THROUGH THE AREA OF WORK ON THE FIRST FLOOR.

NO OTHER EGRESS CAPACITY OF THE EXISTING BUILDING WAS CONFIRMED OR REVIEWED AS NO WORK IS BEING COMPLETED IN THESE AREAS.



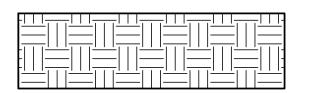
### **GENERAL NOTES**

- 1. THIS SHEET IS BEST VIEWED FULL SIZE AND IN COLOR.
- 2. SEE SHEET G-003 FOR LIFE SAFETY AND BUILDING CODE SUMMARY. THE BUILDING WAS NOT EVALUATED OUTSIDE OF THE SCOPE OF WORK AREAS. MINIMAL CHANGES ARE ANTICIPATED TO MODIFY OR ADVERSELY EFFECT THE MEANS OF EGRESS FROM THE SCOPE OF WORK AREA.
- 3. THE BUILDING IS TO BE IBC TYPE IIA AND TYPE II 111 CONSTRUCTION. PROVIDE 1—HOUR FIRE RATING OF STRUCTURAL ELEMENTS IN ACCORDANCE WITH IBC AND NFPA 220.
- 4. SEE ARCHITECTURAL SHEETS FOR FIRE STOPPING DETAILS.
- 5. DO NOT DISTURB EXISTING FIRESTOPPING, FIRE—RESISTIVE CONCRETE ENCASEMENT, FIRE—RESISTIVE GYPSUM WRAPPING AROUND STRUCTURAL STEEL MEMBERS UNLESS SPECIFICALLY NOTED IN DRAWINGS. FIREPROOFING, CONCRETE ENCASEMENT, GYPSUM WRAPPING THAT BECOMES DAMAGED MUST BE REPAIRED TO RE—ESTABLISH THE FIRE—RESISTANCE RATING.

# FIRE RATINGS/FIRE RATING KEYNOTES (EXISTING)

1—HOUR FIRE RATED SEPARATION WITH 45
MINUTE OPENING PROTECTION, INCLUDING
SELF—CLOSING AND SELF—LATCHING DOORS,
AND FIRESTOPPED PENETRATIONS AND JOINTS

2 — 2 — OR 2 2 DOR 2 2 — OR 2 2 — OR 2 2 — HOUR FIRE RATED SEPARATION WITH 90 MINUTE OPENING PROTECTION, INCLUDING SELF—CLOSING AND SELF—LATCHING DOORS, AND FIRESTOPPED PENETRATIONS AND JOINTS



2-HOUR LANDING SLAB ASSEMBLY WITH 2-HOUR FIRESTOPPING AT PENETRATIONS, VOIDS, JOINTS, AND GAPS

### EGRESS AND LIFE SAFETY LEGEND

TRAVEL DISTANCE (TD)

CP COMMON PATH OF TRAVEL

OL OCCUPANT LOAD

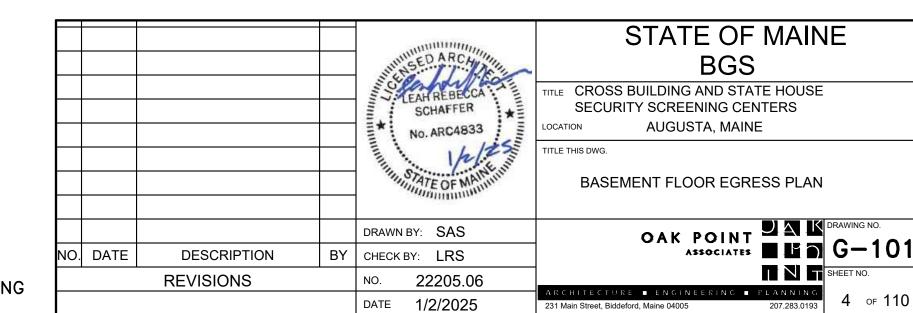
OLF OCCUPANT LOAD FACTOR

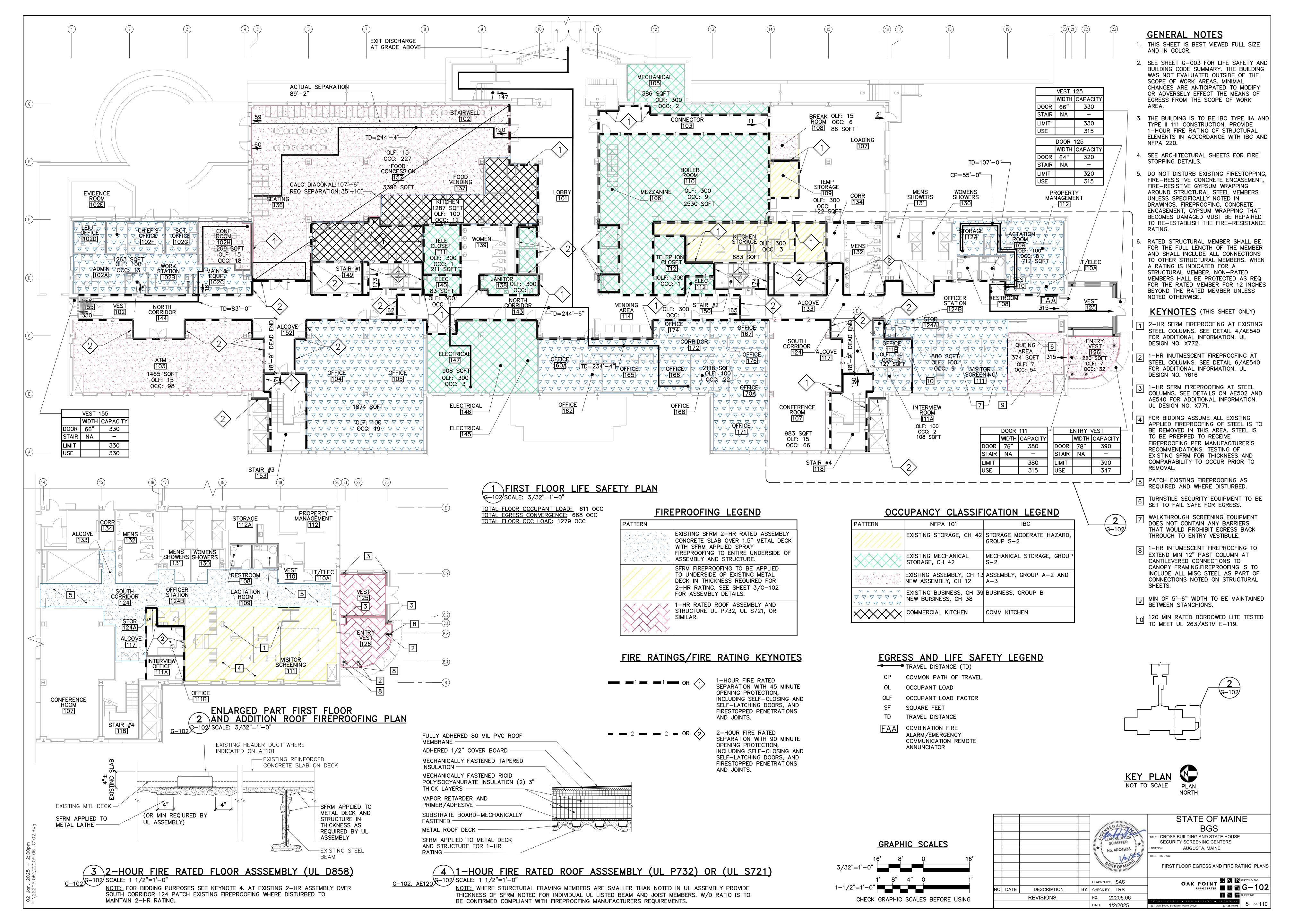
SF SQUARE FEET

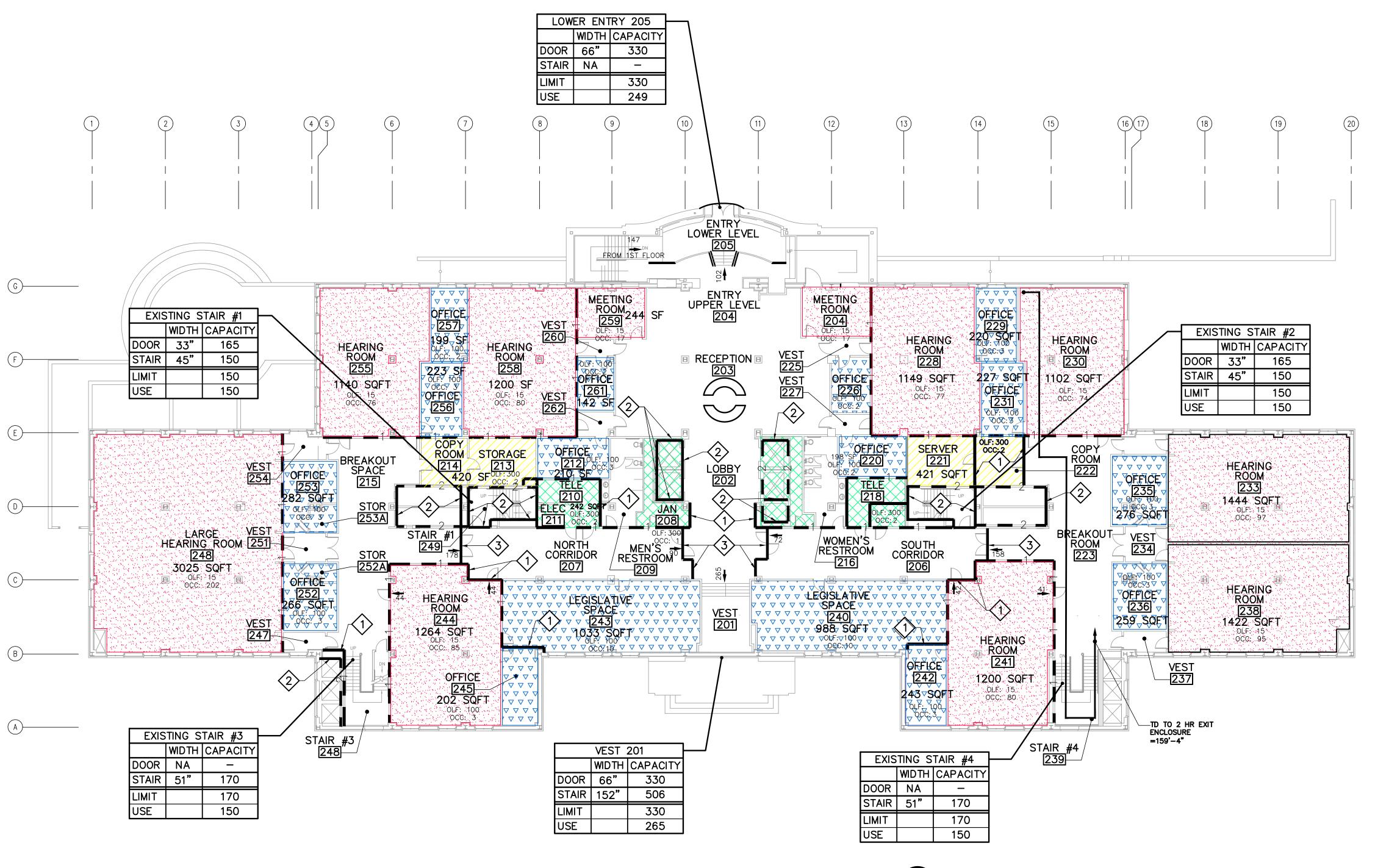
# OCCUPANCY CLASSIFICATION LEGEND

TRAVEL DISTANCE

PATTERN	NFPA 101	IBC
	EXISTING STORAGE, CH 42	STORAGE MODERATE HAZARD, GROUP S-2
	EXISTING MECHANICAL STORAGE, CH 42	MECHANICAL STORAGE, GROUP S-2
	EXISTING ASSEMBLY, CH 13 NEW ASSEMBLY, CH 12	ASSEMBLY, GROUP A-2 AND A-3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	70	BUSINESS, GROUP B







1 SECOND FLOOR LIFE SAFETY PLAN G-103 SCALE: 1/16"=1'-0"



TOTAL FLOOR OCCUPANT LOAD: 967+/-

### NOTES TO CODE REVIEWER:

02 Jan, 2025 – 2:00pm

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NO CHANGES ARE OCCURRING ON THIS FLOOR. FLOOR PLAN IS SHOWN FOR REFERENCE AND GENERAL BUILDING OCCUPANCY LOAD ONLY. STAIR EGRESS CALCULATIONS ARE SHOWN AS OCCUPANTS CONVERGE ON 1ST FLOOR FOR EXIT DISCHARGE THROUGH THE AREA OF WORK ON THE FIRST FLOOR.

NO OTHER EGRESS CAPACITY OF THE EXISTING BUILDING WAS CONFIRMED OR REVIEWED AS NO WORK IS BEING COMPLETED IN THESE AREAS.

FIRE SEPARATIONS SHOWN ARE FROM RECORD DRAWINGS DATED 3-31-99. AREAS OUTSIDE OF THE SCOPE OF WORK HAVE NOT BEEN VERIFIED.

GRAPHIC SCALE

16' 8' 0 16' 32'

"=1'-0"

CHECK GRAPHIC SCALE BEFORE USING

### **GENERAL NOTES**

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- 5. DO NOT DISTURB EXISTING FIRESTOPPING, FIRE—RESISTIVE CONCRETE ENCASEMENT, FIRE—RESISTIVE GYPSUM WRAPPING AROUND STRUCTURAL STEEL MEMBERS UNLESS SPECIFICALLY NOTED IN DRAWINGS. FIREPROOFING, CONCRETE ENCASEMENT, GYPSUM WRAPPING THAT BECOMES DAMAGED MUST BE REPAIRED TO RE—ESTABLISH THE FIRE—RESISTANCE RATING.

### FIRE RATINGS/FIRE RATING KEYNOTES

1—HOUR FIRE RATED SEPARATION
WITH 45 MINUTE OPENING
PROTECTION, INCLUDING
SELF—CLOSINGAND SELF—LATCHING
DOORS, AND FIRESTOPPED
PENETRATIONS AND JOINTS

2—OR 2—OR 2
2—HOUR FIRE RATED SEPARATION
WITH 90 MINUTE OPENING
PROTECTION, INCLUDING
SELF—CLOSINGAND SELF—LATCHING
DOORS, AND FIRESTOPPED

SP SP OR 3 SMOKE PARTITION WALLS WITH SMOKE RESISTANT SEALANT AT PENETRATIONS AND JOINTS, AND SELF-CLOSING AND SELF-LATCHING DOORS THAT ARE

TESTED FOR LIMITED AIR LEAKAGE AND PROVIDED WITH GASKETING

PENETRATIONS AND JOINTS

### EGRESS AND LIFE SAFETY LEGEND

TRAVEL DISTANCE (TD)

CP COMMON PATH OF TRAVEL

OL OCCUPANT LOAD

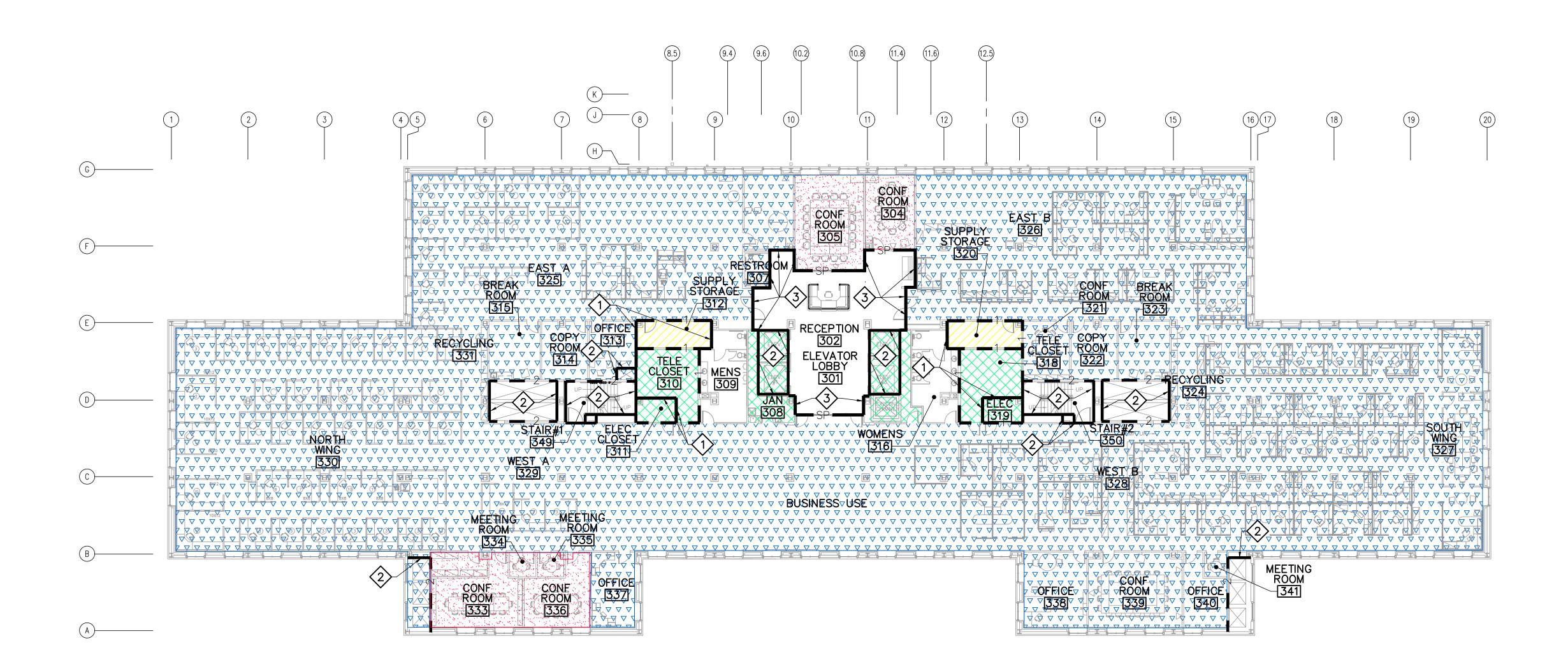
OLF OCCUPANT LOAD FACTOR

SF SQUARE FEET
TD TRAVEL DISTANCE

### OCCUPANCY CLASSIFICATION LEGEND

PATTERN	NFPA 101	IBC
	EXISTING STORAGE, CH 42	STORAGE MODERATE HAZARD, GROUP S-2
	EXISTING MECHANICAL STORAGE, CH 42	MECHANICAL STORAGE, GROUP S-2
	EXISTING ASSEMBLY, CH 13 NEW ASSEMBLY, CH 12	ASSEMBLY, GROUP A-2 AND A-3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	EXISTING BUSINESS, CH 39 NEW BUISINESS, CH 38	BUSINESS, GROUP B



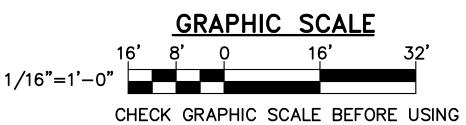






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FIRE SEPARATIONS SHOWN ARE FROM RECORD DRAWINGS DATED 3-31-99. AREAS OUTSIDE OF THE SCOPE OF WORK HAVE NOT BEEN VERIFIED.



### **GENERAL NOTES**

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- 4. SEE ARCHITECTURAL SHEETS FOR FIRE STOPPING DETAILS.
- 5. DO NOT DISTURB EXISTING FIRESTOPPING, FIRE-RESISTIVE CONCRETE ENCASEMENT, FIRE-RESISTIVE GYPSUM WRAPPING AROUND STRUCTURAL STEEL MEMBERS UNLESS SPECIFICALLY NOTED IN DRAWINGS. FIREPROOFING, CONCRETE ENCASEMENT, GYPSUM WRAPPING THAT BECOMES DAMAGED MUST BE REPAIRED TO RE-ESTABLISH THE FIRE-RESISTANCE RATING.

### FIRE RATINGS/FIRE RATING KEYNOTES

— OR 1 — OR 1 1—HOUR FIRE RATED SEPARATION WITH 45 MINUTE OPENING

WITH 45 MINUTE OPENING PROTECTION, INCLUDING SELF-CLOSINGAND SELF-LATCHING DOORS, AND FIRESTOPPED PENETRATIONS AND JOINTS

PENETRATIONS AND JOINTS

= OR  $\langle 2 \rangle$  2-HOUR FIRE RATED SEPARATION WITH 90 MINUTE OPENING PROTECTION, INCLUDING SELF-CLOSINGAND SELF-LATCHING DOORS, AND FIRESTOPPED

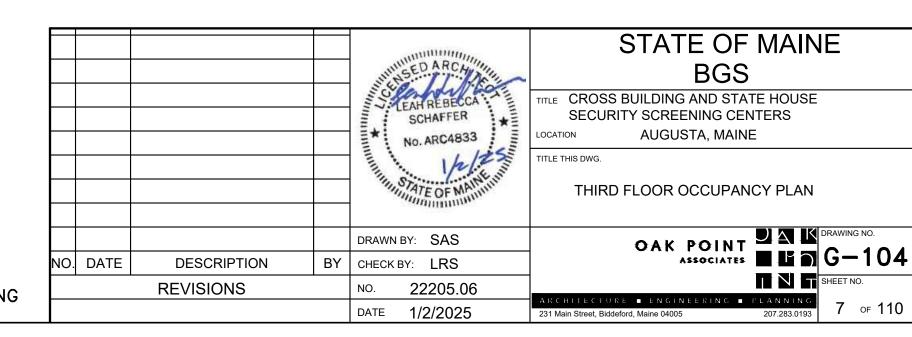
SMOKE PARTITION WALLS WITH SMOKE RESISTANT SEALANT AT PENETRATIONS, VOIDS, JOINTS, AND GAPS AND SELF-CLOSING AND SELF-LATCHING DOORS

### EGRESS AND LIFE SAFETY LEGEND

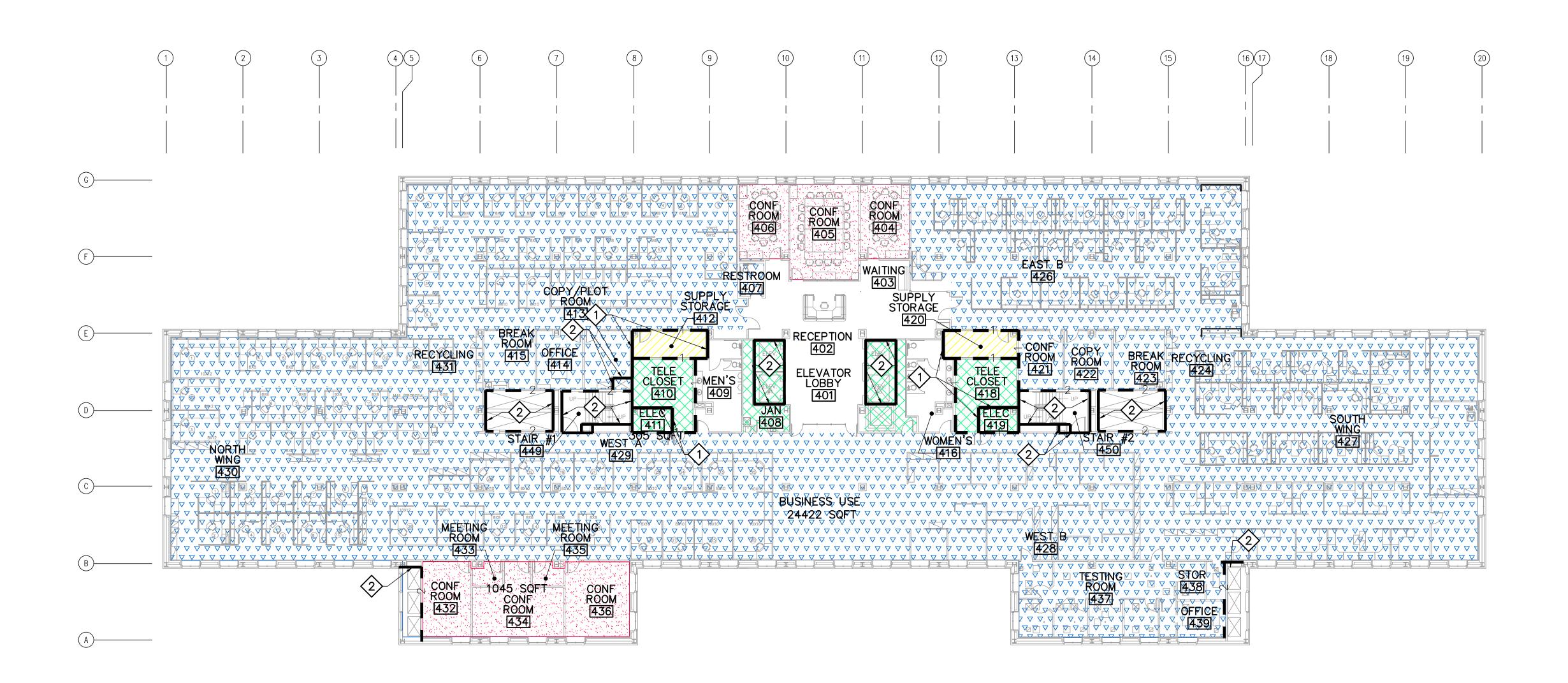
TRAVEL DISTANCE (TD) COMMON PATH OF TRAVEL OCCUPANT LOAD OCCUPANT LOAD FACTOR SQUARE FEET TRAVEL DISTANCE

# OCCUPANCY CLASSIFICATION LEGEND

PATTERN	NFPA 101	IBC
	EXISTING STORAGE, CH 42	STORAGE MODERATE HAZARD, GROUP S-2
	EXISTING MECHANICAL STORAGE, CH 42	MECHANICAL STORAGE, GROUP S-2
	EXISTING ASSEMBLY, CH 13 NEW ASSEMBLY, CH 12	ASSEMBLY, GROUP A-2 AND A-3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	CH 39 NEW BUISINESS, CH	BUSINESS, GROUP B



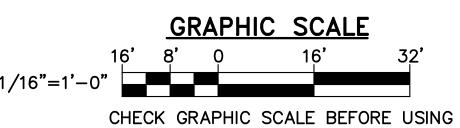
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NO CHANGES ARE OCCURRING ON THIS FLOOR. FLOOR PLAN IS SHOWN FOR REFERENCE AND GENERAL BUILDING OCCUPANCY ONLY. NO OTHER EGRESS CAPACITY OF THE EXISTING BUILDING WAS CONFIRMED OR REVIEWED AS NO WORK IS BEING COMPLETED IN THESE AREAS.

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- 5. DO NOT DISTURB EXISTING FIRESTOPPING, FIRE—RESISTIVE CONCRETE ENCASEMENT, FIRE—RESISTIVE GYPSUM WRAPPING AROUND STRUCTURAL STEEL MEMBERS UNLESS SPECIFICALLY NOTED IN DRAWINGS. FIREPROOFING, CONCRETE ENCASEMENT, GYPSUM WRAPPING THAT BECOMES DAMAGED MUST BE REPAIRED TO RE—ESTABLISH THE FIRE—RESISTANCE RATING.

### FIRE RATINGS/FIRE RATING KEYNOTES

- - 1 - OR 1 - OR 1 - HOUR FIRE RATED SEPARATION WITH 45 MINUTE OPENING PROTECTION, INCLUDING SELECTION, SELECTION

PROTECTION, INCLUDING
SELF-CLOSINGAND SELF-LATCHING
DOORS, AND FIRESTOPPED
PENETRATIONS AND JOINTS

2 — 0R 2 2 — OR 2 2—HOUR FIRE RATED SEPARATION WITH 90 MINUTE OPENING PROTECTION, INCLUDING SELF—CLOSINGAND SELF—LATCHING DOORS, AND FIRESTOPPED PENETRATIONS AND JOINTS

### EGRESS AND LIFE SAFETY LEGEND

TRAVEL DISTANCE (TD)

CP COMMON PATH OF TRAV

CP COMMON PATH OF TRAVEL

OL OCCUPANT LOAD
OLF OCCUPANT LOAD FACTOR

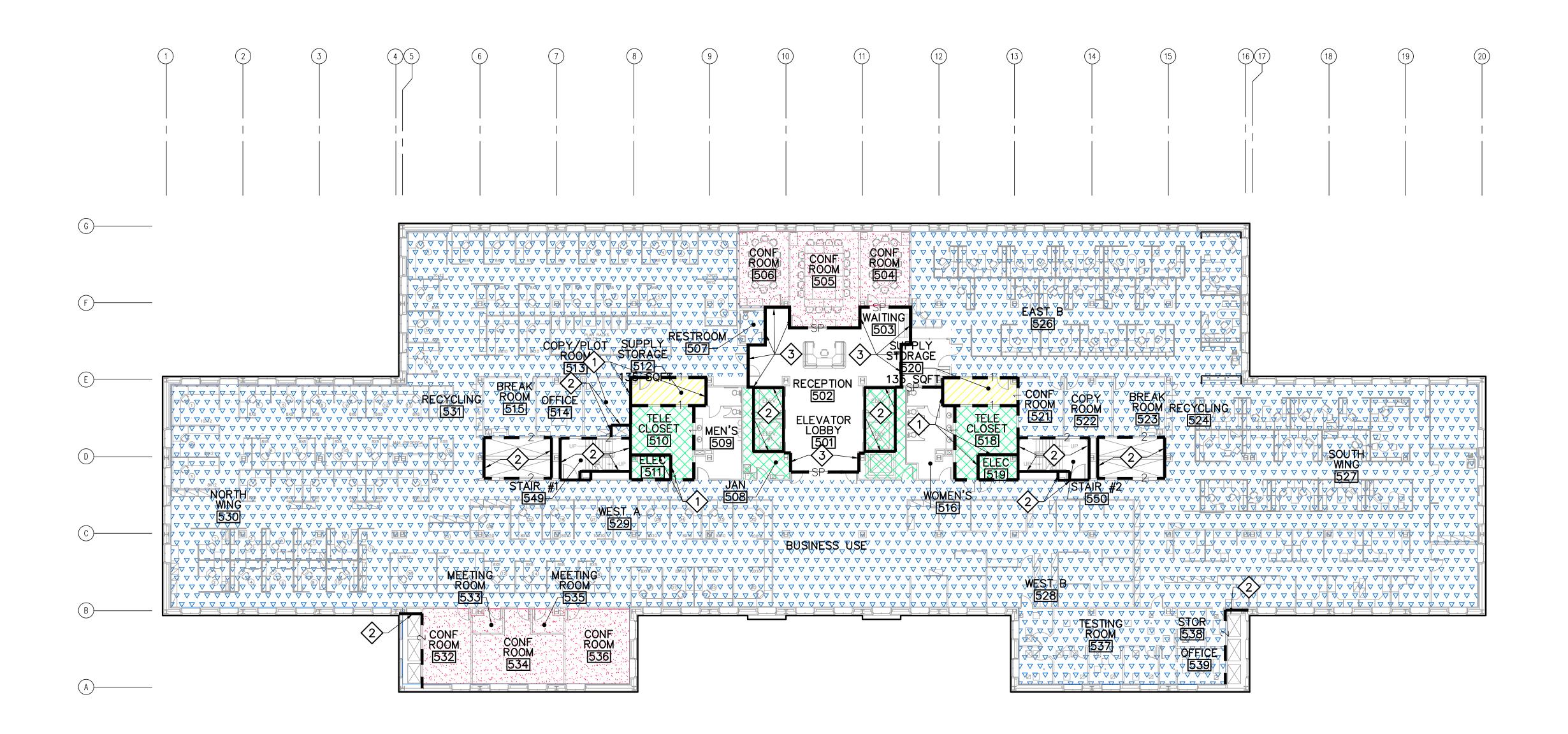
SF SQUARE FEET

TD TRAVEL DISTANCE

### OCCUPANCY CLASSIFICATION LEGEND

PATTERN	NFPA 101	IBC
	EXISTING STORAGE, CH 42	STORAGE MODERATE HAZARD, GROUP S-2
	EXISTING MECHANICAL STORAGE, CH 42	MECHANICAL STORAGE, GROUP S-2
	EXISTING ASSEMBLY, CH 13 NEW ASSEMBLY, CH 12	ASSEMBLY, GROUP A-2 AND A-3
	NEW BUISINESS, CH	BUSINESS, GROUP B







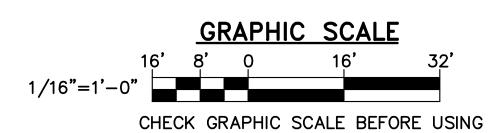


02 Jan, 2025 – 2:01pm

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NO CHANGES ARE OCCURRING ON THIS FLOOR. FLOOR PLAN IS SHOWN FOR REFERENCE AND GENERAL BUILDING OCCUPANCY. NO OTHER EGRESS CAPACITY OF THE EXISTING BUILDING WAS CONFIRMED OR REVIEWED AS NO WORK IS BEING COMPLETED IN THESE AREAS.

FIRE SEPARATIONS SHOWN ARE FROM RECORD DRAWINGS DATED 3-31-99. AREAS OUTSIDE OF THE SCOPE OF WORK HAVE NOT BEEN VERIFIED.



### **GENERAL NOTES**

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- 4. SEE ARCHITECTURAL SHEETS FOR FIRE STOPPING DETAILS.
- 5. DO NOT DISTURB EXISTING FIRESTOPPING, FIRE-RESISTIVE CONCRETE ENCASEMENT, FIRE-RESISTIVE GYPSUM WRAPPING AROUND STRUCTURAL STEEL MEMBERS UNLESS SPECIFICALLY NOTED IN DRAWINGS. FIREPROOFING, CONCRETE ENCASEMENT, GYPSUM WRAPPING THAT BECOMES DAMAGED MUST BE REPAIRED TO RE-ESTABLISH THE FIRE-RESISTANCE RATING.

# FIRE RATINGS/FIRE RATING KEYNOTES

— 1 — OR 1 1—HOUR FIRE RATED SEPARATION WITH 45 MINUTE OPENING WITH 45 MINUTE OPENING PROTECTION, INCLUDING

SELF-CLOSINGAND SELF-LATCHING DOORS. AND FIRESTOPPED PENETRATIONS AND JOINTS

- 2 - OR  $\langle 2 \rangle$  2-HOUR FIRE RATED SEPARATION WITH 90 MINUTE OPENING PROTECTION, INCLUDING SELF-CLOSINGAND SELF-LATCHING DOORS, AND FIRESTOPPED PENETRATIONS AND JOINTS

SELF-LATCHING DOORS

- SP --- SP --- SP --- OR (3) SMOKE PARTITION WALLS WITH SMOKE RESISTANT SEALANT AT PENETRATIONS, VOIDS, JOINTS, AND GAPS AND SELF-CLOSING AND

### EGRESS AND LIFE SAFETY LEGEND

TRAVEL DISTANCE (TD) COMMON PATH OF TRAVEL

OCCUPANT LOAD

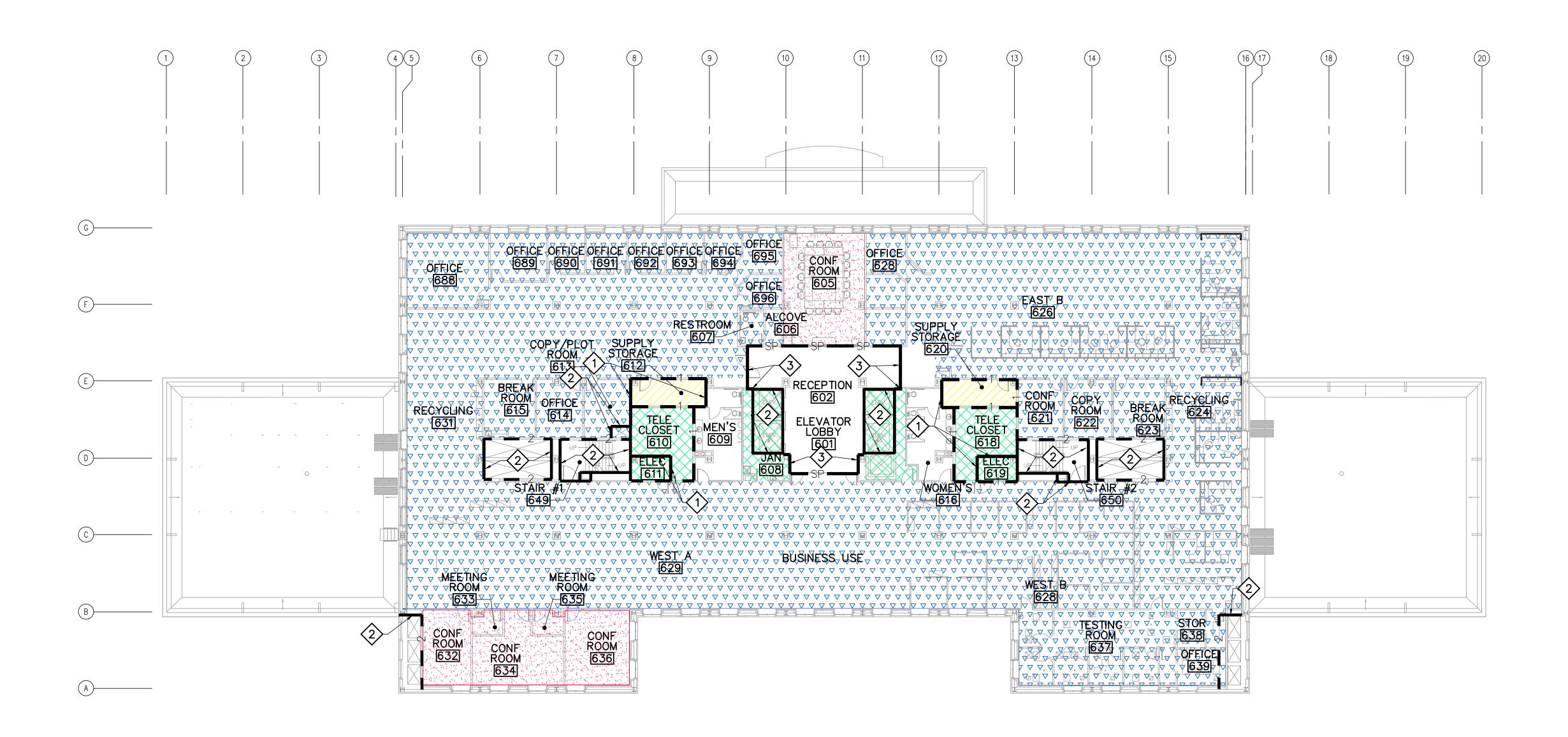
OCCUPANT LOAD FACTOR SQUARE FEET

TRAVEL DISTANCE

# OCCUPANCY CLASSIFICATION LEGEND

PATTERN	NFPA 101	IBC
	EXISTING STORAGE, CH 42	STORAGE MODERATE HAZARD, GROUP S-2
	EXISTING MECHANICAL STORAGE, CH 42	MECHANICAL STORAGE, GROUP S-2
	EXISTING ASSEMBLY, CH 13 NEW ASSEMBLY, CH 12	ASSEMBLY, GROUP A-2 AND A-3
, $\triangle$ $\triangle$ $\triangle$ $\triangle$ $\triangle$ $\triangle$	EXISTING BUSINESS, CH 39 NEW BUISINESS, CH 38	BUSINESS, GROUP B





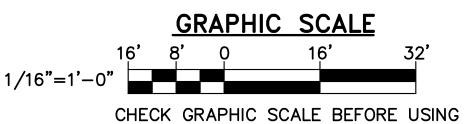


02 Jan, 2025 – 2:01pm

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NO CHANGES ARE OCCURRING ON THIS FLOOR. FLOOR PLAN IS SHOWN FOR REFERENCE AND GENERAL BUILDING OCCUPANCY. NO OTHER EGRESS CAPACITY OF THE EXISTING BUILDING WAS CONFIRMED OR REVIEWED AS NO WORK IS BEING COMPLETED IN THESE AREAS.

FIRE SEPARATIONS SHOWN ARE FROM RECORD DRAWINGS DATED 3-31-99. AREAS OUTSIDE OF THE SCOPE OF WORK HAVE NOT BEEN VERIFIED.



# **GENERAL NOTES**

- 1. THIS SHEET IS BEST VIEWED FULL SIZE AND IN COLOR.
- 2. SEE SHEET G-003 FOR LIFE SAFETY AND BUILDING CODE SUMMARY. THE BUILDING WAS NOT EVALUATED OUTSIDE OF THE SCOPE OF WORK AREAS. MINIMAL CHANGES ARE ANTICIPATED TO MODIFY OR ADVERSELY EFFECT THE MEANS OF EGRESS OUTSIDE THE SCOPE OF WORK AREA.
- 3. THE BUILDING IS TO BE IBC TYPE IIA AND TYPE II 111 CONSTRUCTION. PROVIDE 1—HOUR FIRE RATING OF STRUCTURAL ELEMENTS IN ACCORDANCE WITH IBC AND NFPA 220.
- 4. SEE ARCHITECTURAL SHEETS FOR FIRE STOPPING DETAILS.
- 5. DO NOT DISTURB EXISTING FIRESTOPPING, FIRE—RESISTIVE CONCRETE ENCASEMENT, FIRE—RESISTIVE GYPSUM WRAPPING AROUND STRUCTURAL STEEL MEMBERS UNLESS SPECIFICALLY NOTED IN DRAWINGS. FIREPROOFING, CONCRETE ENCASEMENT, GYPSUM WRAPPING THAT BECOMES DAMAGED MUST BE REPAIRED TO RE—ESTABLISH THE FIRE—RESISTANCE RATING.

# FIRE RATINGS/FIRE RATING KEYNOTES

— OR 1 HOUR FIRE RATED SEPARATION WITH 45 MINUTE OPENING

PROTECTION, INCLUDING
SELF—CLOSINGAND SELF—LATCHING
DOORS, AND FIRESTOPPED
PENETRATIONS AND JOINTS

2 - OR 2 2 2-HOUR FIRE RATED SEPARATION WITH 90 MINUTE OPENING PROTECTION, INCLUDING SELF-CLOSINGAND SELF-LATCHING DOORS, AND FIRESTOPPED PENETRATIONS AND JOINTS

SELF-LATCHING DOORS

SP SP SP OR 3 SMOKE PARTITION WALLS WITH SMOKE RESISTANT SEALANT AT PENETRATIONS, VOIDS, JOINTS, AND GAPS AND SELF-CLOSING AND

# EGRESS AND LIFE SAFETY LEGEND

TRAVEL DISTANCE

TRAVEL DISTANCE (TD)

CP COMMON PATH OF TRAVEL

OL OCCUPANT LOAD

OLF OCCUPANT LOAD FACTOR

SF SQUARE FEET

# OCCUPANCY CLASSIFICATION LEGEND

PATTERN	NFPA 101	IBC
	EXISTING STORAGE, CH 42	STORAGE MODERATE HAZARD, GROUP S-2
	EXISTING MECHANICAL STORAGE, CH 42	MECHANICAL STORAGE, GROUP S-2
	EXISTING ASSEMBLY, CH 13 NEW ASSEMBLY, CH 12	ASSEMBLY, GROUP A-2 AND A-3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	EXISTING BUSINESS, CH 39 NEW BUISINESS, CH 38	BUSINESS, GROUP E

STATE OF MAINE
BGS

TITLE CROSS BUILDING AND STATE HOUSE
SECURITY SCREENING CENTERS
LOCATION AUGUSTA, MAINE

TITLE THIS DWG.

SIXTH FLOOR OCCUPANCY PLAN

NO. DATE DESCRIPTION BY CHECK BY: LRS

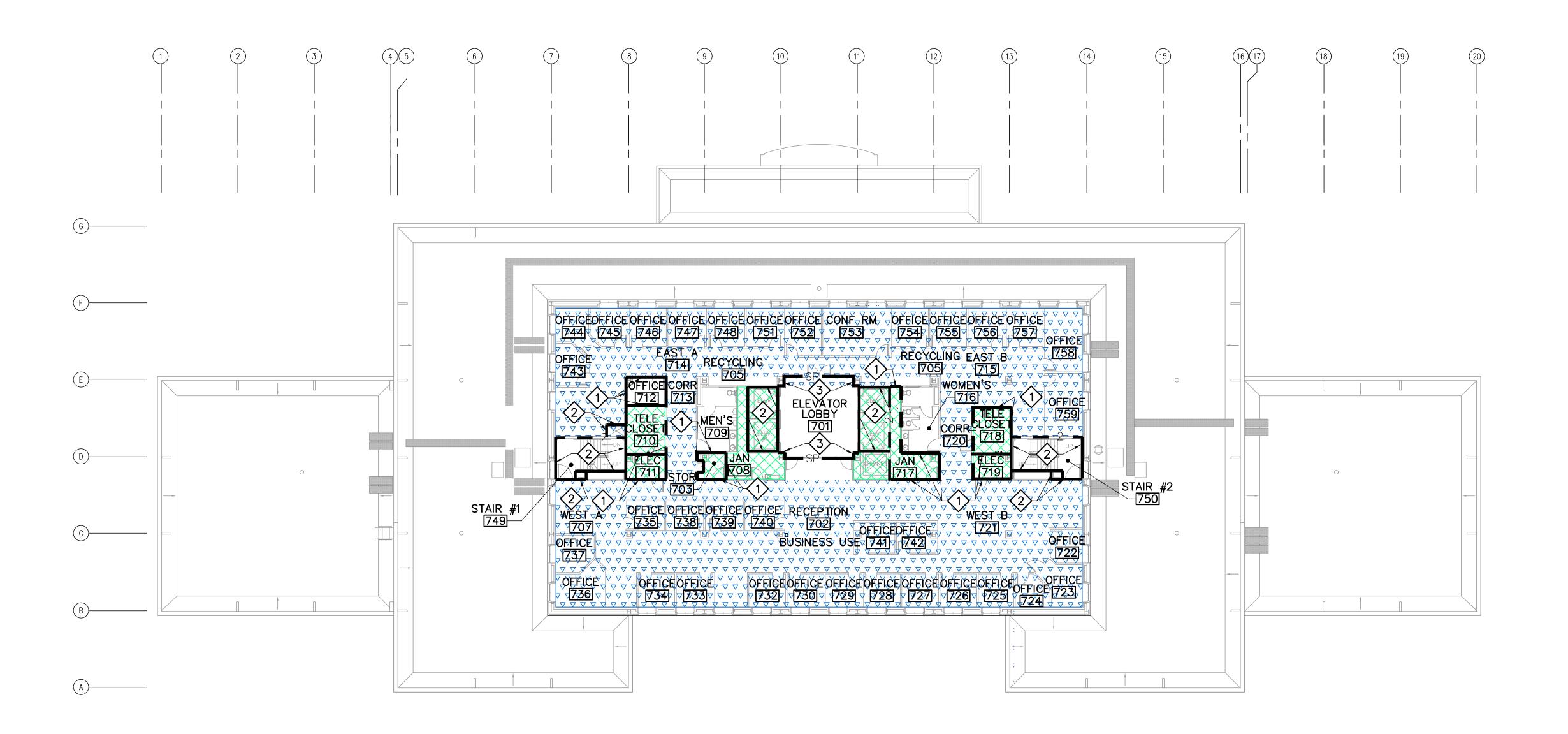
REVISIONS

NO. 22205.06

DATE 1/2/2025

ARCHITECTURE PERCINERING FLANNING
207.283.0130

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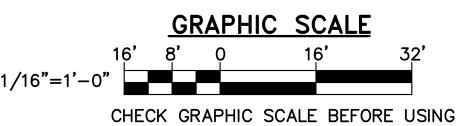






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### **GENERAL NOTES**

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### FIRE RATINGS/FIRE RATING KEYNOTES

—1 — OR 1 — OR 1 — HOUR FIRE RATED SEPARATION WITH 45 MINUTE OPENING WITH 45 MINUTE OPENING PROTECTION, INCLUDING SELF-CLOSINGAND SELF-LATCHING DOORS, AND FIRESTOPPED

PENETRATIONS AND JOINTS - 2 - OR 2 2-HOUR FIRE RATED SEPARATION

WITH 90 MINUTE OPENING PROTECTION, INCLUDING SELF-CLOSINGAND SELF-LATCHING DOORS, AND FIRESTOPPED PENETRATIONS AND JOINTS

- SP --- SP --- OR 3 SMOKE PARTITION WALLS WITH

SMOKE RESISTANT SEALANT AT PENETRATIONS, VOIDS, JOINTS, AND GAPS AND SELF-CLOSING AND SELF-LATCHING DOORS

### EGRESS AND LIFE SAFETY LEGEND

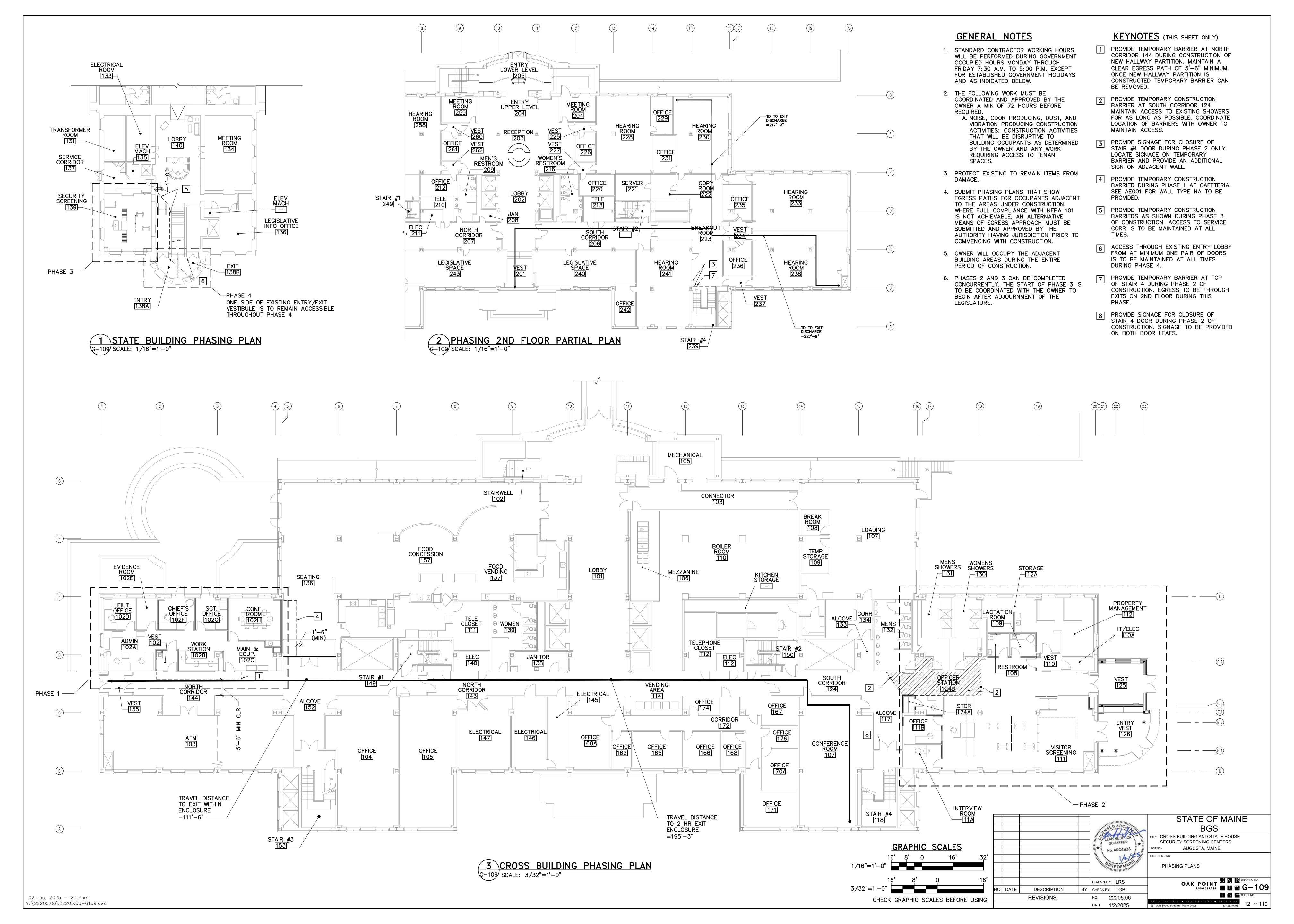
TRAVEL DISTANCE (TD) COMMON PATH OF TRAVEL OCCUPANT LOAD OCCUPANT LOAD FACTOR OLF SQUARE FEET TRAVEL DISTANCE

# OCCUPANCY CLASSIFICATION LEGEND

PATTERN	NFPA 101	IBC
	EXISTING STORAGE, CH 42	STORAGE MODERATE HAZARD, GROUP S-2
	EXISTING MECHANICAL STORAGE, CH 42	MECHANICAL STORAGE, GROUP S-2
	EXISTING ASSEMBLY, CH 13 NEW ASSEMBLY, CH 12	ASSEMBLY, GROUP A-2 AND A-3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	CH 39	BUSINESS, GROUP B



02 Jan, 2025 – 2:01pm Y:\22205.06\22205.06-G108.dwg



### **CIVIL NOTES**

- 1. REFERENCE IS MADE TO THE FOLLOWING RECORD DRAWINGS:
- a) MULTIPLE SHEET PLAN SET OF THE ORIGINAL CONSTRUCTION OF THE CROSS BUILDING ENTITLED "MAINE STATE OFFICE BUILDING", AUGUSTA, MAINE, MOST SHEETS DATED APRIL 28, 1954, WITH SUBSEQUENT REVISIONS TYPICALLY DATED THROUGH 1955.
- b) MULTIPLE SHEET PLAN SET ENTITLED "STATE OFFICE BUILDING RENOVATIONS", AUGUSTA, MAINE, ISSUED FOR CONSTRUCTION DATE 3-31-99, BY SMRT, PORTLAND, MAINE.
- 2. EXISTING CONDITIONS SHOWN ARE BASED ON THE PLANS REFERENCED ABOVE AND A TOPOGRAPHIC SURVEY BY OAK POINT ASSOCIATES CONDUCTED IN AUGUST AND SEPTEMBER OF 2023, AND JULY OF 2024.
- 3. EXISTING UNDERGROUND UTILITIES WERE MARKED IN THE FIELD BY CENTERLINE UTILITY SERVICES IN JULY OF 2023, AND THE MARKOUT LOCATED AS PART OF THE SURVEY REFERENCED IN NOTE 2, ABOVE.
- 4. EXISTING UNDERGROUND UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ONLY. PRIOR TO EXCAVATION OR GROUND DISTURBANCE, DETERMINE THE EXACT LOCATION OF EXISTING UNDERGROUND UTILITIES IN THE PROJECT AREA. CONTRACT WITH A PRIVATE UNDERGROUND UTILITY LOCATING COMPANY TO LOCATE AND MARK THE LOCATION OF EXISTING UNDERGROUND UTILITIES IN THE WORK AREA. MAINTAIN THE UTILITY MARKOUT FOR THE DURATION OF THE PROJECT.
- 5. CONTACT "DIG SAFE" AT 1-888-344-7233 AND OBTAIN A "DIG SAFE" PERMIT PRIOR TO COMMENCING EXCAVATION OPERATIONS ON THE SITE. IN ADDITION, NOTIFY NON-MEMBER UNDERGROUND FACILITY OPERATORS, INCLUDING THE GREATER AUGUSTA UTILITY DISTRICT AND OPERATORS LISTED IN THE MAINE PUBLIC UTILITIES COMMISSIONS DIRECTORY AT WWW.OKTODIG.COM.
- 6. HORIZONTAL COORDINATES ARE BASED ON THE MAINE STATE PLANE COORDINATE SYSTEM (NAD83), WEST ZONE. THE VERTICAL DATUM IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- 7. THE PROJECT IS SUBJECT TO A CAPITOL PLANNING COMMISSION PERMIT WHICH HAS BEEN OBTAINED BY THE ARCHITECT FOR THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE REQUIRED BUILDING PERMIT AND TRADE PERMITS.
- 8. PROTECT EXISTING SYSTEMS AND SURFACES TO REMAIN. DAMAGE RESULTING FROM CONTRACTOR OPERATIONS MUST BE REPAIRED OR REPLACED AS APPROVED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- 9. SITE WORK DIMENSIONS INDICATED ARE FROM FACE OF CURB, FACE OF WALL, FACE OF BUILDING AND CENTERLINE OF PAVEMENT MARKING UNLESS INDICATED OR NOTED OTHERWISE.
- 10. EXISTING SOIL BORING LOGS ARE INCLUDED AS PART OF THE GEOTECHNICAL ENGINEERING REPORT ATTACHED AT THE END OF SPECIFICATION SECTION 312000, "EARTH MOVING".

### **CIVIL ABBREVIATIONS**

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION
7.7.131110	OFFICIALS
ALUM	ALUMINUM
APPROX	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AVG	AVERAGE
BLDG BMPs	BUILDING BEST MANAGEMENT PRACTICES
CB	CATCH BASIN
Ğ	CENTERLINE
CI	CAST IRON
CMU	CONCRETE MASONRY UNIT
COMM	COMMUNICATIONS
CONC	CONCRETE
COND DIA	CONDENSATE DIAMETER
DWG	DRAWING
DWV	DRAIN, WASTE, AND VENT
E	EASTING
ECB	EXISTING CATCH BASIN
ELEV	ELEVATION
EXIST	EXISTING
EW FFE	EACH WAY FINISH FLOOR ELEVATION
FG	FINISH FLOOR ELEVATION FINISH GRADE
FND	FOUNDATION
FT	FEET
FTG	FOOTING
GALV	GALVANIZED
HORIZ	HORIZONTAL
INV MAX	INVERT MAXIMUM
MDEP	
MDOT	
MIN	MINIMUM
MUTCD	
N	NORTHING
NIC	NOT IN CONTRACT
NPDES OC	NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM ON CENTER
	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PE	POLYETHYLENE
PNT	PAINT, PAINTED
PSI	POUNDS PER SQUARE INCH
PT	PRESERVATIVE TREATED
PVC R	POLYVINYL CHLORIDE RADIUS
REINF	REINFORCED
RGS	RIGID GALVANIZED STEEL
SCH	SCHEDULE
SD	STORM DRAIN
SF	SQUARE FOOT
SIM	SIMILAR
SQ SS	SQUARE STAINLESS STEEL
STL	STEEL
TOC	TOP OF CURB
TOW	TOP OF WALL
TYP	TYPICAL
UD	UNDERDRAIN
VERT	VERTICAL
VIF	VERIFY IN FIELD

WELDED WIRE FABRIC

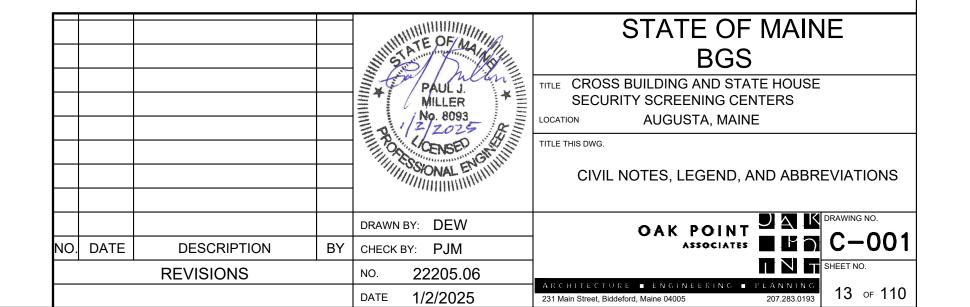
### CIVIL LEGEND

<u>EXISTING</u>		<u>PROPOSED</u>			
	EXISTING SURVEY CONTROL POINT	<del>- o -</del>	SIGN		
D	EXISTING UTILITY POLE	•	PIPE BOLLARD		
<b>\$</b>	EXISTING LIGHT POLE		COMMUNICATIONS HANDHOLE		
°c∨ ⊠	EXISTING NATURAL GAS VALVE	Ē	ELECTRIC HANDHOLE		
	EXISTING WATER VALVE	——UE(2-2.5")——	UNDERGROUND ELECTRIC LINE (CONDUIT NUMBER AND SIZE AS INDICATED)		
	EXISTING FIRE HYDRANT	——— UC(2-2")——	UNDERGROUND COMMUNICATIONS LINE (CONDUIT NUMBER AND SIZE AS INDICATED)		
	EXISTING CATCH BASIN	SD(6")	STORM DRAIN LINE (PIPE SIZE AS INDICATED)		
	EXISTING DRAIN MANHOLE	———SD/FD(4")———	COMBINATION STORM DRAIN AND FOUNDATION DRAIN LINE (SIZE AS INDICATED)		
(\$)	EXISTING SEWER MANHOLE	——— FD(4") ———	FOUNDATION DRAIN LINE (SIZE AS INDICATED)		
M	EXISTING STEAM PIPING MANHOLE	<del>132</del>	CONTOUR LINE		
	EXISTING SIGN		COMPOST FILTER SOCK		
گ	EXISTING ACCESSIBLE PARKING SPACE		BUILDING LINE		
<b>—</b>	EXISTING PAINTED TRAFFIC ARROW		EDGE OF ASPHALT CONCRETE PAVEMENT  APPROXIMATE LIMIT OF DISTURBANCE		
	EXISTING DECIDUOUS TREE	B1	SOIL BORING LOCATION (SEE CIVIL NOTE 10,		
**	EXISTING CONIFEROUS TREE		THIS SHEET)		
	EXISTING SHRUB	7.60'E 8.50'F	- EXISTING SPOT GRADE - FINISH SPOT GRADE		
EUE	EVICTING LINDEDODOLIND ELECTRIC LINE(C)		FINISH SPOT GRADE		
EUE	EXISTING UNDERGROUND ELECTRIC LINE(S)	23.50'E/F	EXISTING AND FINISH SPOT GRADE THE SAME		
EW					
ESS(8")	EXISTING WATER LINE EXISTING SANITARY SEWER LINE (SIZE AS INDICATED)				
ESD(12")	·				
EUNG					
EUPR					
LOTIN					
	EXISTING EDGE OF ASPHALT CONCRETE PAVEMENT				

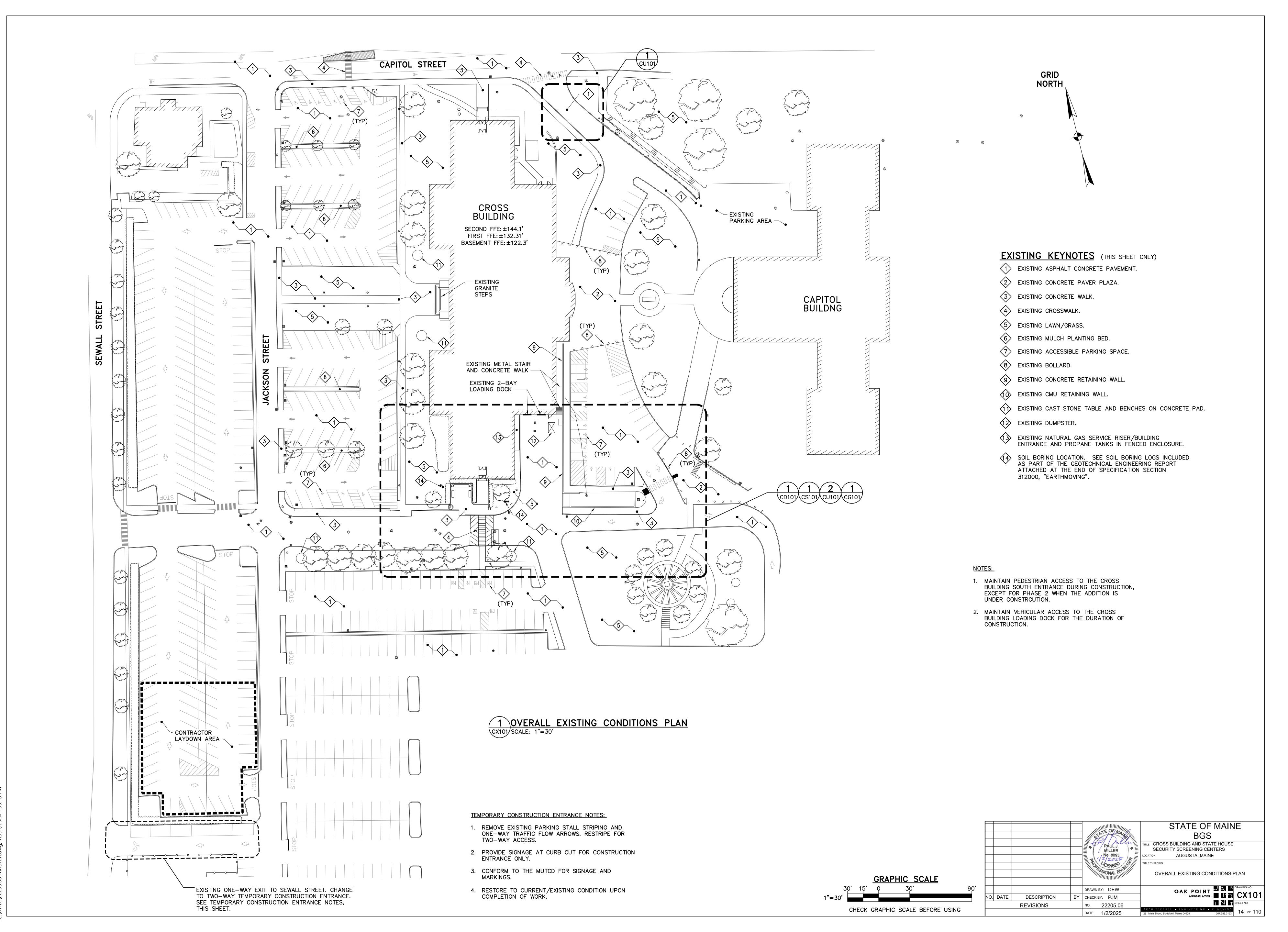
\*//////////// EXISTING BUILDING LINE

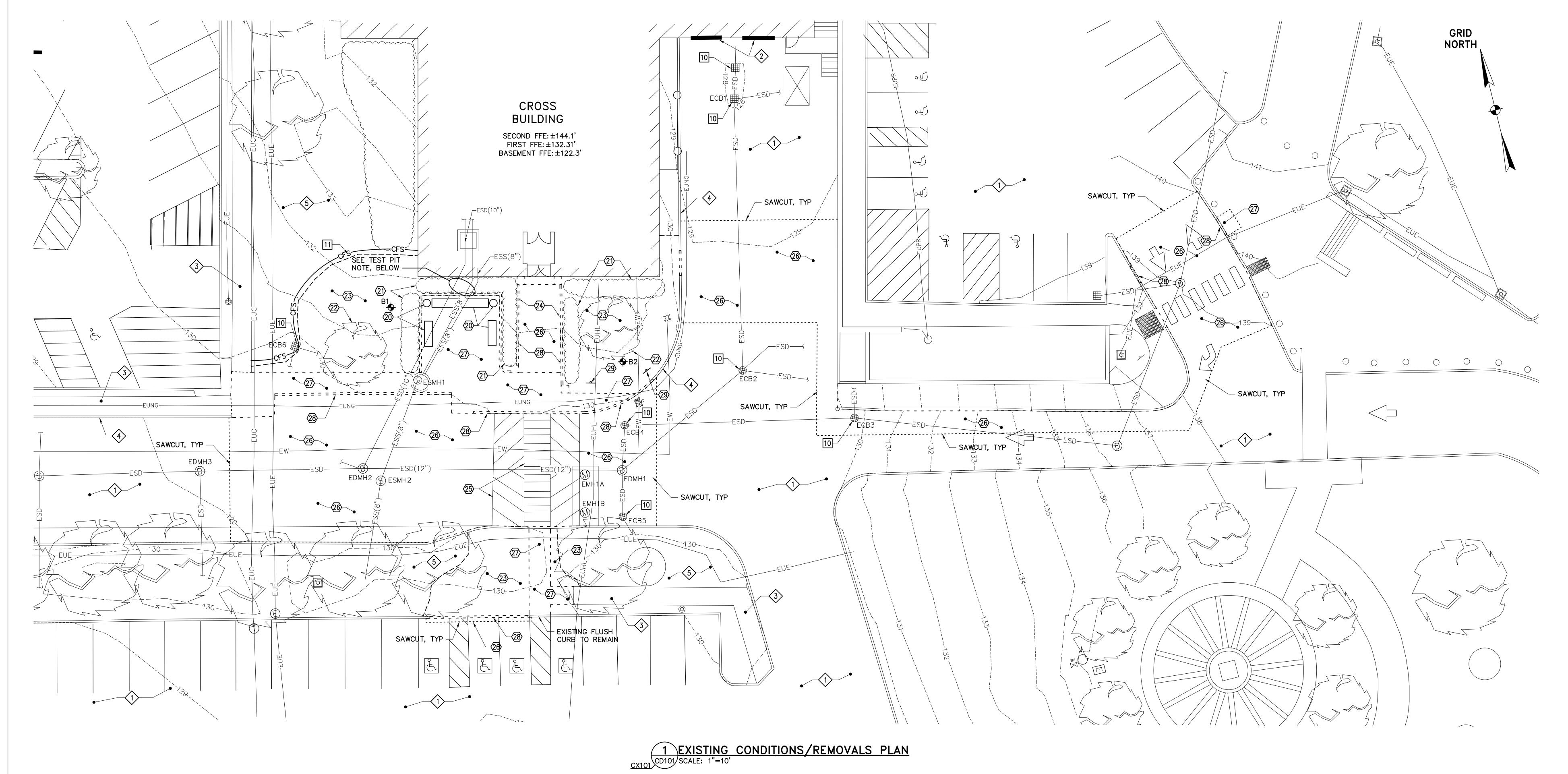
-----7 EXISTING CONTOUR LINE

EXISTING TREELINE OR SHRUB LINE



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CXIOI

EXISTING STRUCTURE SCHEDULE					
STRUCTURE		INVERT OUT ELEV	INVERT IN ELEV	251112112	
DESIGNATION	RIM ELEV		(DIAMETER)	REMARKS	
ECB1	127.95	123.53 (12" RCP) 1	23.36 (6" PVC)		
			123.78 (8" PVC)		
			124.36 (4" PVC)		
ECB2	129.75	122.08 (12" RCP)	122.08 (12" RCP)		
			±122.1	COULD NOT SEE PIPE IN	
			±122.1	COULD NOT SEE PIPE IN	
ECB3	129.56	126.47 (8" PVC)	126.39 (6" PE)		
			126.56 (8" PVC)		
ECB4	129.23	±125.6 (8" PVC)	±125.7 (8" PVC)		
ECB5	129.21	125.83 (8" PVC)	,		
ECB6	123.94	125.83 (8" PVC)	126.85 (4" PE)		
EDMH1	129.57	120.40 (12" RCP)	125.49 (8" PVC)		
			120.48 (12" PVC)		
			125.32 (8" PVC)		
EDMH2	129.61	115.11 (24" PE)	115.2 (12" RCP)		
			119.69 (12" RCP)		
			119.44 (12" PE)	IN FROM WEST	
EDMH3	129.09	114.5 (30")	114.6 (24" PE)		
			119.25 (12" PVC)	INSULATED STEAM & CONDENSATE PIPING	
EMH1A	129.45	CENTERLINE INSUL	@ ±126.5'	INSULATED STEAM & CONDENSATE PIPING	
EMH1B	EMH1B 129.54 TOP ± 18" DIA INSUL @ ±126.1'				
ESMH1	130.43	±115.1 (±8" CHNL)	±115.2 (±8" CHNL)	SHELF AT 115.8'	
	123.9 (8" PVC)			WITH PIPED DROP IN STRUCTURE	
ESMH2	129.60	±114.9 (±8" CHNL)	±115.0 (±8" CHNL)	SHELF AT 115.8'	
	_				

# EXISTING KEYNOTES (THIS SHEET ONLY)

- 1) EXISTING ASPHALT CONCRETE PAVEMENT.
- 2 EXISTING LOADING DOCK OVERHEAD DOOR OPENING.
- 3 EXISTING REINFORCED CONCRETE WALK.
- 4 EXISTING GRANITE CURB.
- 5 EXISTING LAWN AREA.
- 6 9 NOT USED.

# KEYNOTES (THIS SHEET ONLY)

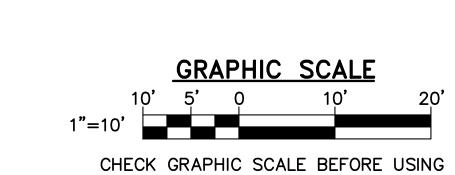
- 10 INLET PROTECTION. SEE DETAIL 2/C-501.
- 11 COMPOST FILTER SOCK. SEE DETAIL 1/C-501.
- 12 19 NOT USED.

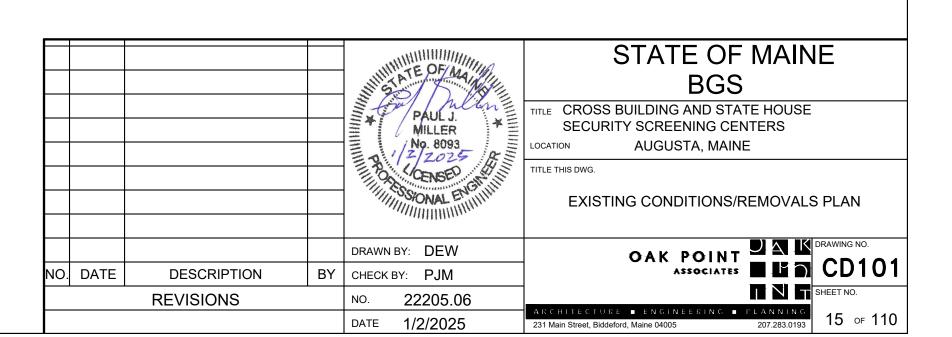
# REMOVALS KEYNOTES (THIS SHEET ONLY)

- REMOVE EXISTING SEATING (BENCHES) AND TRASH RECEPTACLES.
- REMOVE EXISTING SHRUBS.
- 2 REMOVE EXISTING TREE.
- STRIP AND REMOVE EXISTING TOPSOIL.
- REMOVE EXISTING ALUMINUM HANDRAILS, INCLUDING CONCRETE BASES.
- REMOVE EXISTING RAISED (PAVED) CROSS WALK.
- SAWCUT AND REMOVE EXISTING ASPHALT CONCRETE PAVEMENT.
- SAWCUT AT JOINT AND REMOVE EXISTING REINFORCED CONCRETE WALK.
- REMOVE EXISTING GRANITE CURB AND STORE FOR REUSE/REINSTALLATION.
- PARKING" SIGN ON U-CHANNEL POST.

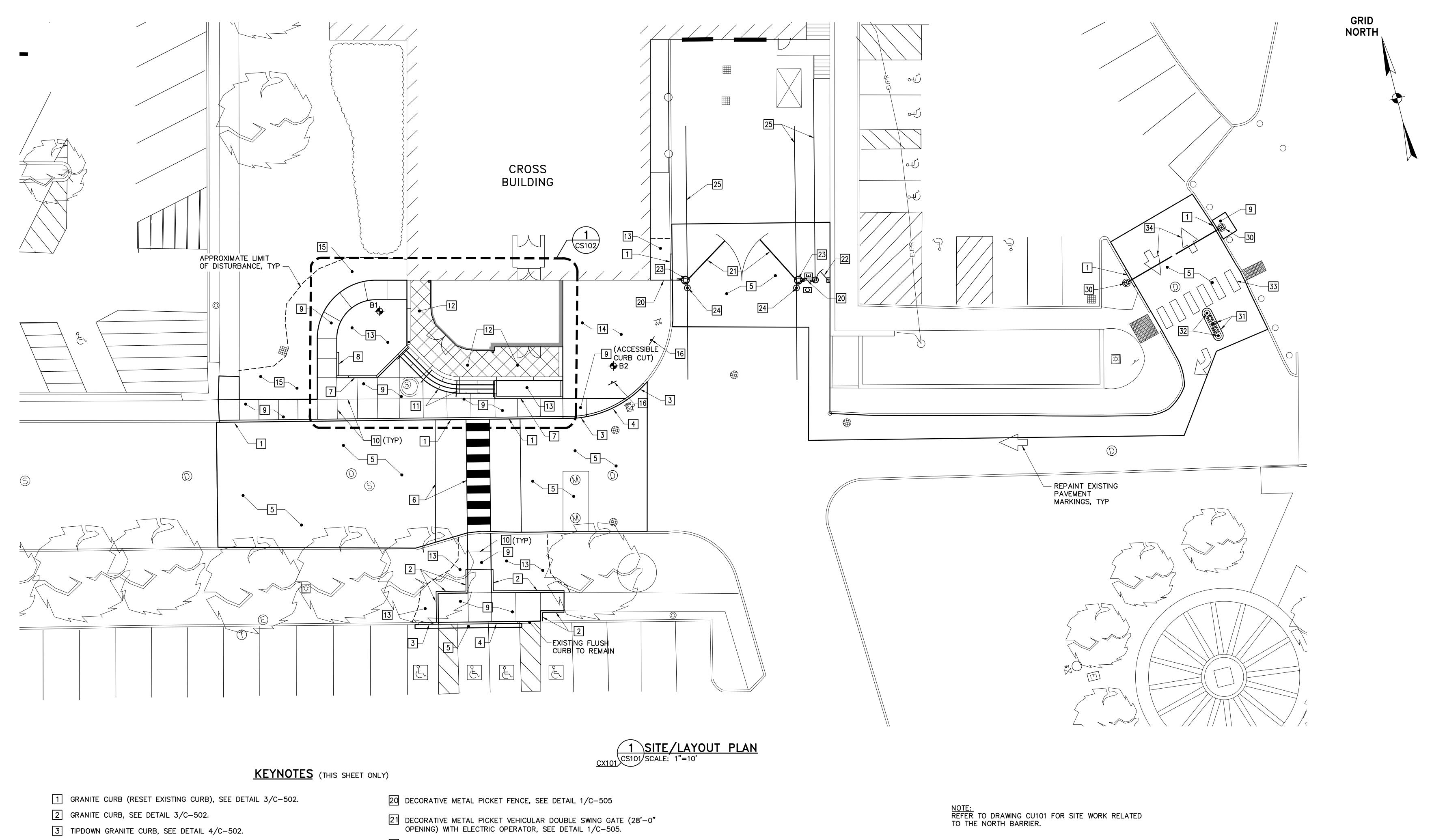
NOTE:
REFER TO DRAWING CU101 FOR SITE REMOVALS RELATED TO THE NORTH BARRIER.

TEST PIT NOTE:
PRIOR TO PILE DRIVING, EXCAVATE AND EXPOSE EXISTING SANITARY AND STORM DRAIN PIPING IN THE VICINITY OF PROPOSED PILES.
NOTIFY DESIGN ENGINEER PRIOR TO THE EXPLORATORY EXCAVATION.
ACCURATELY LOCATE THE EXISTING UTILITY LINES AND COORDINATE WITH DESIGN ENGINEER FOR VERIFICATION OF PILE LOCATIONS RELATIVE TO THE UTILITIES. DO NOT PROCEED WITH PILE DRIVING WITHOUT APPROVAL FROM DESIGN ENGINEER. BACKFILL EXPLORATORY EXCAVATION WITH GRANULAR BORROW AND COMPACT TO A MINIMUM 95—PERCENT OF ASTM 1557 MAXIMUM DENSITY.



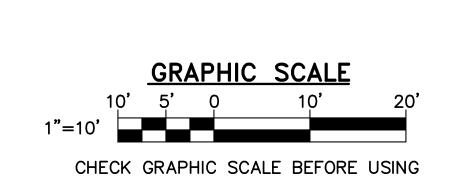


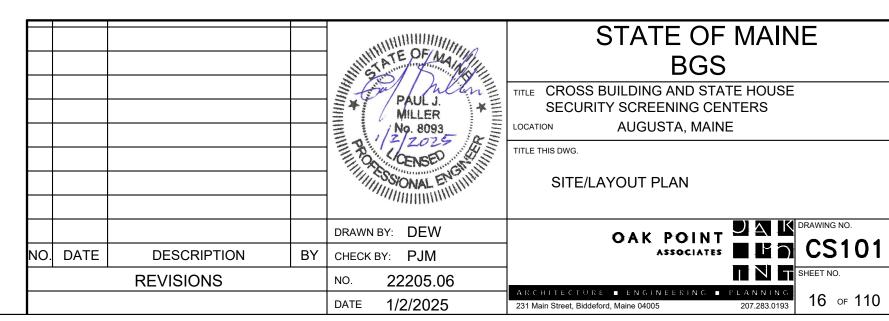
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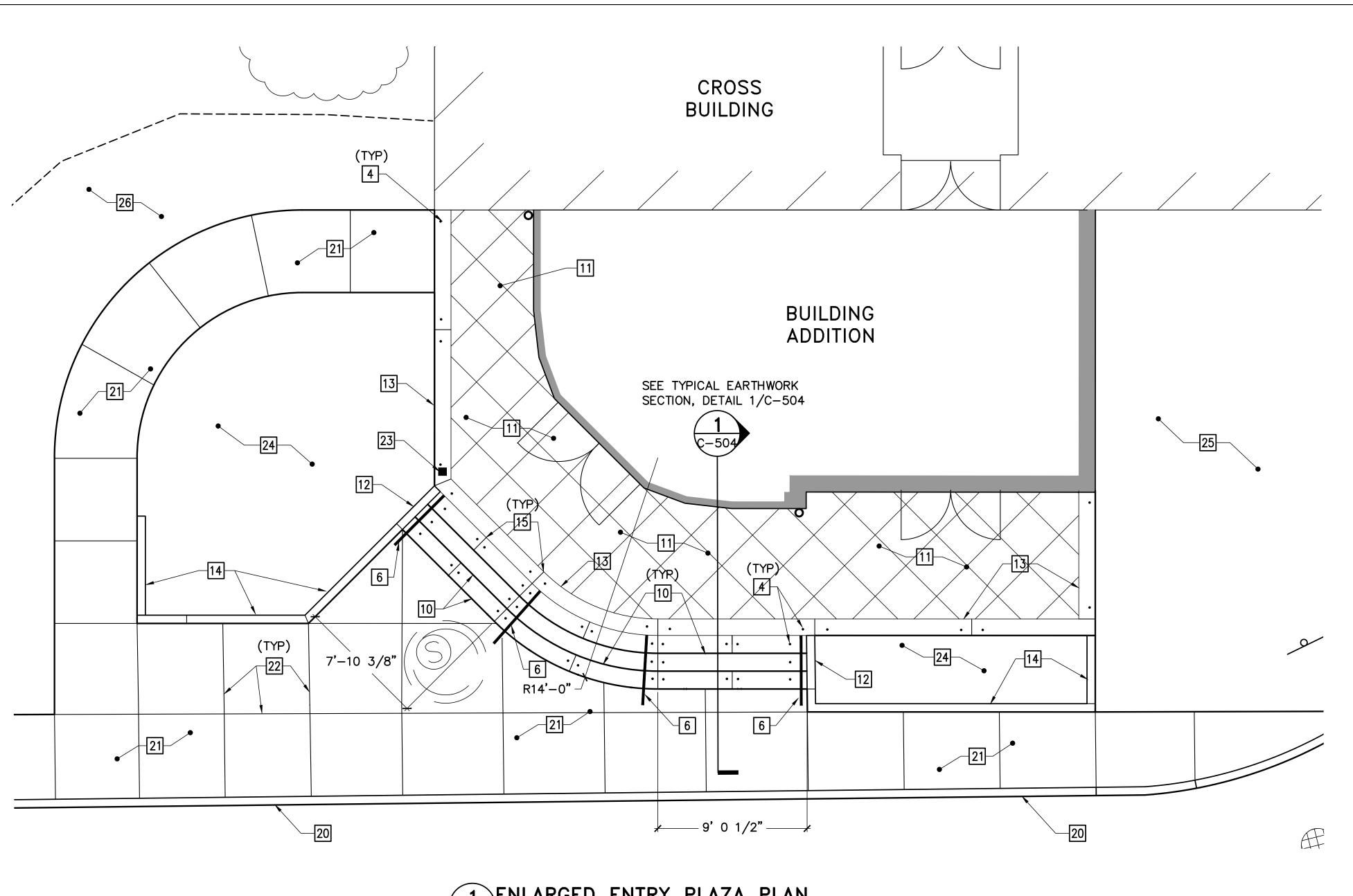


- 4 FLUSH GRANITE CURB (RESET EXISTING CURB), SEE DETAIL 3/C-502 (SIM).
- 5 ASPHALT CONCRETE PAVEMENT (FULL DEPTH IN AREAS OF UTILITY INSTALLATION, RESURFACE IN OTHER AREAS), SEE DETAIL 1/C-502
- 6 RAISED (PAVED) CROSSWALK AND PAVEMENT MARKING (2'-0" WIDE WHITE MARKING, 6'-0" LONG, AT 2'-0" ON CENTER).
- 7 6" WIDE X 1'-6" HIGH GRANITE DIMENSION STONE BORDER. SEE DETAIL 3/C-502 (SIM) FOR INSTALLATION.
- 8 6" WIDE X 1'-6" HIGH GRANITE DIMENSION STONE TIPDOWN
- BORDER. SEE DETAIL 4/C-502 (SIM) FOR INSTALLATION. 9 CONCRETE WALK, SEE DETAIL 2/C-502
- 10 CONTROL JOINT, TYP
- 11 GRANITE STEPS AND RAILINGS, SEE DRAWING CS102.
- 12 GRANITE PLAZA (EXTERIOR GRANITE FLOORING). SEE DRAWING CS102.
- 13 LANDSCAPE PLANTING BED. SEE DRAWING LS101.
- 14 MIN 6" PLANTING SOIL AND SOD.
- MIN 6" PLANTING SOIL, SEED, AND MULCH, ALL DISTURBED AREAS NOT INDICATED OTHERWISE.
- 16 RELOCATED "NO PARKING" SIGN ON U-CHANNEL POST.
- 17 19 NOT USED.

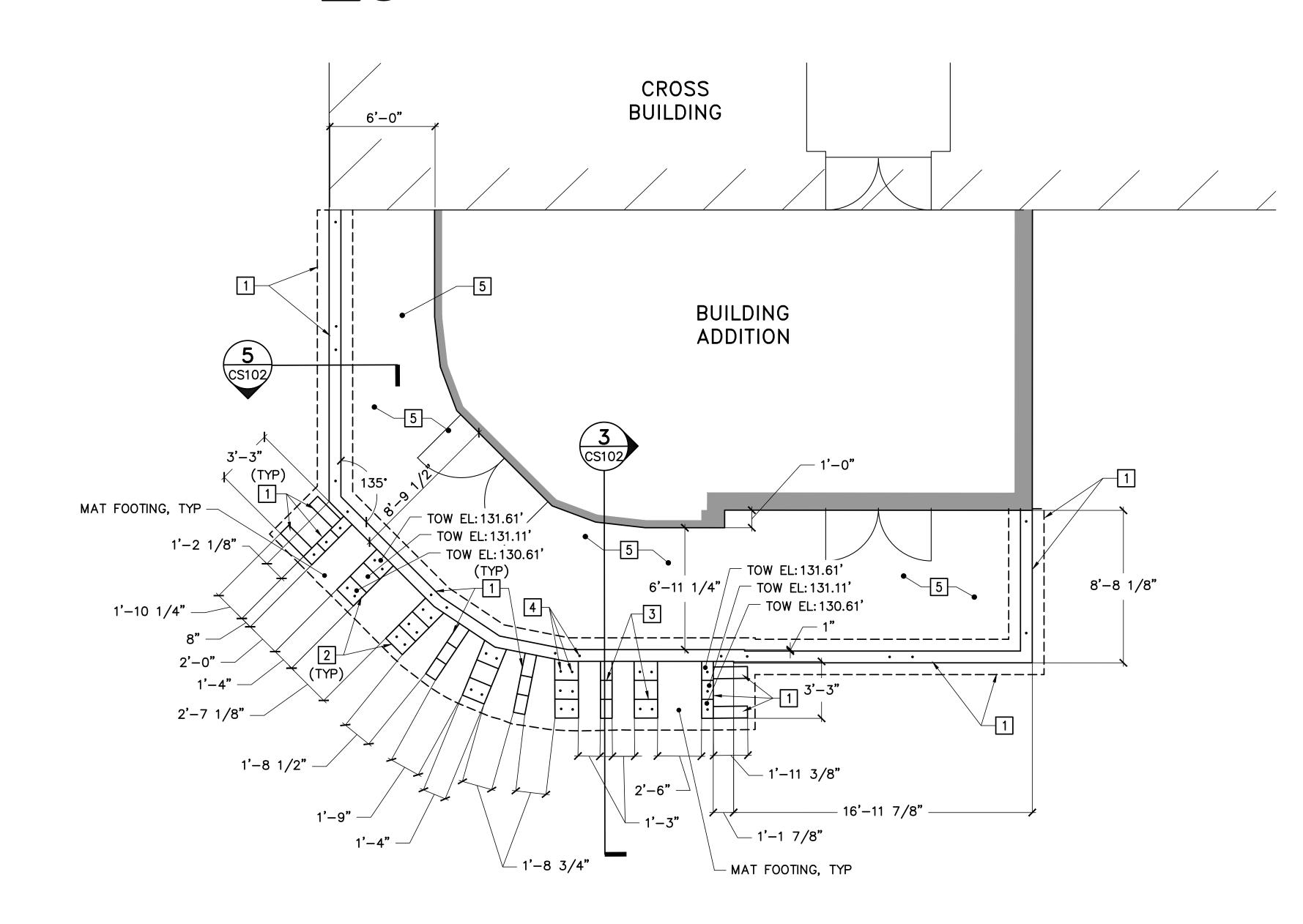
- DECORATIVE METAL PICKET PEDESTRIAN SWING GATE (3'-0" OPENING), SEE DETAIL 1/C-505.
- 23 GATE OPERATOR MOUNTED ON GATE POST AND GATE, TYP.
- 24 PIPE BOLLARD. SEE DETAIL 7/C-502.
- 25 PAVEMENT MARKING, 4" SOLID WHITE LINE.
- 26 29 NOT USED.
- DROP ARM TRAFFIC BARRIER (TWO 13' LONG ARMS) WITH ELECTRIC OPERATOR ON CONCRETE BASE. SEE DETAIL 5/C-503.
- 31 CURBED ISLAND WITH PEDESTAL MOUNTED CARD READER AND INTERCOM. SEE DETAILS 3/C-502 AND 4/C-503.
- 32 PIPE BOLLARD. SEE DETAIL 7/C-502.
- PAVEMENT MARKING, CROSSWALK (2'-0" WIDE WHITE MARKING, 6'-0" LONG, AT 2'-0" ON CENTER).
- PAVEMENT MARKING, WHITE TRAFFIC ARROW. SEE DETAIL 6/C-503.







# 1 ENLARGED ENTRY PLAZA PLAN CS101 CS102 SCALE: 1/4"=1-0"



KEYNOTES (THIS SHEET ONLY)

GRID

**NORTH** 

1 8" REINFORCED CONCRETE FOUNDATION WALL AND FOOTING. SEE DETAIL 5/CS102.

2 1'-4" REINFORCED CONCRETE FOUNDATION WALL AND FOOTING. SEE DETAIL 5/CS102 (SIM).

3 6" HIGH STEP IN FOUNDATION WALL, TYP.

SEE DETAIL 4/CS102.

5/8" DIA X 8" LONG HEADED ANCHOR BOLT (GALV), 2-1/2"
PROJECTION ABOVE CONC, (2) RODS PER STONE, TYP, (OR SIMILAR POST INSTALLED REBAR ANCHORED IN DRILL HOLE

5 8" THICK REINFORCED CONCRETE STRUCTURAL SLAB,

SEE DETAIL 3/CS102.

6 ALUMINUM HANDRAIL, SEE DETAIL 3/CS102.

WITH EPOXY GROUT). SEE DETAIL 4/CS102.

7 - 9 NOT USED.

10 DIMENSION STONE (GRANITE) STEPS, SEE DETAILS 3/CS102 AND 4/CS102.

LINE OF BUILDING ADDITION

AND SEALANT, TYP -

4" DEEP DRILL HOLE @ 1'-0"

OC. ANCHOR #5'S (GALV) WITH

EPOXY GROUT, TYP -

1/2" PREFORMED FILLER

11 DIMENSION STONE (GRANITE) FLOORING, SEE DETAIL 3/CS102

12 DIMENSION STONE (GRANITE) STEP SIDEWALL. SEE DETAIL 7/C-503.

DIMENSION STONE (GRANITE) EDGING, 12" WIDE, 6" THICK, LENGTHS VARY, TYP. PIN EDGING TO FOUNDATION SIMILAR TO STEPS, MIN 2 PINS PER STONE.

DIMENSION STONE (GRANITE) BORDER, 6" WIDE, 1-6" HIGH, LENGTHS VARY, SET IN CONCRETE, TYP. SEE DETAIL 3/C-502 (SIM) FOR INSTALLATION.

15 3/8" MORTAR JOINT, TYP.

16 - 19 NOT USED.

20 GRANITE CURB (RESET EXISTING CURB), SEE 3/C-502

21 CONCRETE WALK, SEE 2/C-502

22 CONTROL JOINT, TYP.

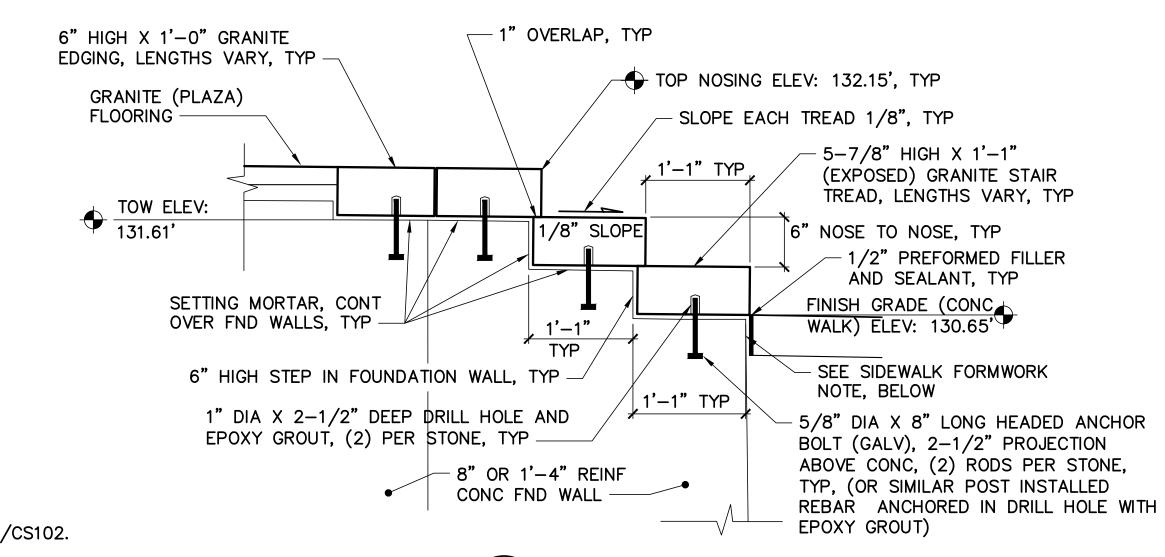
AUTOMATIC DOOR OPERATOR, WITH CONDUIT UP THROUGH FOUNDATION AND GRANITE EDGING. ANCHOR DOOR OPERATOR IN ACCORDANCE WITH MANUFACTURERS' WRITTEN INSTRUCTIONS.

24 LANDSCAPE PLANTING BED. SEE DRAWING LS101

6" PLANTING AND SOD.

6" PLANTING SOIL, SEED, AND MULCH, ALL DISTURBED AREAS NOT INDICATED OTHERWISE.

SIDEWALK FORMWORK NOTE:
AT BOTTOM GRANITE STEP, EITHER FORM AND PLACE
CONCRETE WALK BEFORE PLACING STEPS, OR PROVIDE
INERT (PLASTIC OR FIBERGLASS) FORMWORK UNDER
GRANITE STEP, ACCURATELY ALIGNED WITH VERTICAL
EDGE OF BOTTOM STEP. INERT FORMWORK MAY REMAIN
IN PLACE AFTER PLACEMENT OF CONCRETE WALK.



STONE FLOORING,  $2'-0" \times 2'-0" \times 2"$ THICK, WITH 3/8" MORTAR JOINTS, TYP

SLOPE, TYP

• SUBGRADE, TYP —

- #5'S (GALV) @

1'-0" OC, EW

#5'S GALV DOWELS

@ 1'-4" OC, TYP -

#5' HORIZ DOWEL,

 $(1'-6" \times 1'-6")$ , TYP —

8" REINF CONC FND WALL AND FOOTING, SEE DETAIL 5/CS102 -

FILL, TYP —

3/4" CRUSHED STONE,

CS102 SCALE: 1/2"=1-0'

MIN 6" THICK, TYP -

• STRUCTURAL

- DRY-PACK MORTAR BED, ±2" THICK, WITH

- 8" THICK REINF CONC (CLASS J, 5,000 PSI) STRUCTURAL SLAB

-1-1/2" NOMINAL (1.9" OD) SCH 80 ALUMINUM HANDRAIL, TYP

CORE HOLE IN GRANITE (4-1/2"
DEPTH) AND ANCHOR POSTS WITH

1/2" PREFORMED FILLER AND SEALANT, TYP

NON-SHRINK GROUT, TYP

DETAIL 2/C-502

CONCRETE WALK, SEE

-8" OR 1'-4" REINF CONC FND WALL AND FOOTING, SEE DETAIL 5/CS102

- GRANITE STEPS, SEE DETAIL

- MIN 8" LAYER CRUSHED

5'-0"

#5'S @ 12" OC EW, TYP

STRUCTURAL STONE UNDER STEPS, TYP

- MAT FOOTING WITH

#5'S @ 12" OC EW

FILL, TYP -

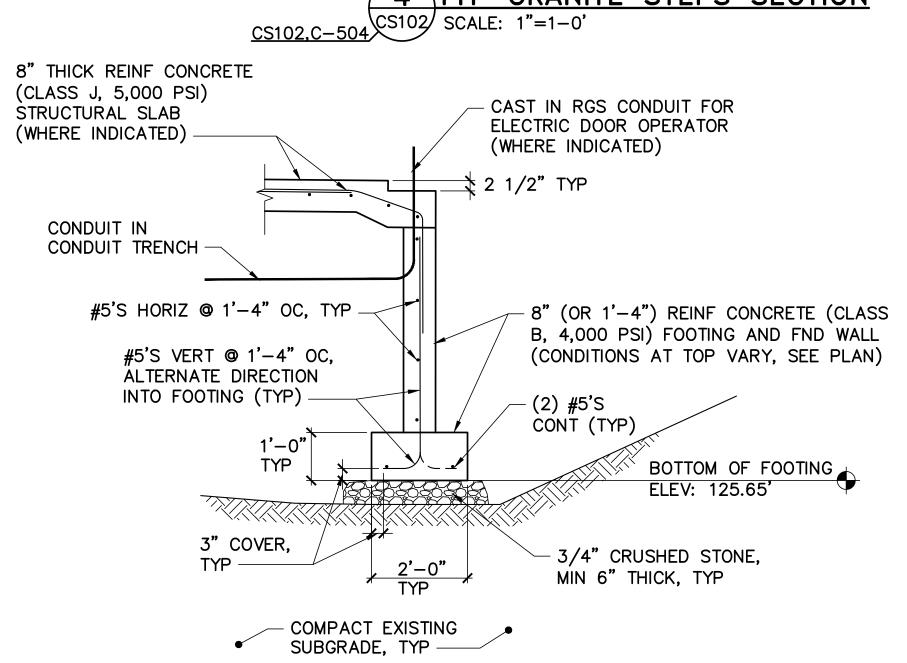
3 TYPICAL ENTRY PLAZA/STEPS SECTION

GALV 4x4-W1.2xW1.2 WWF IN MIDDLE

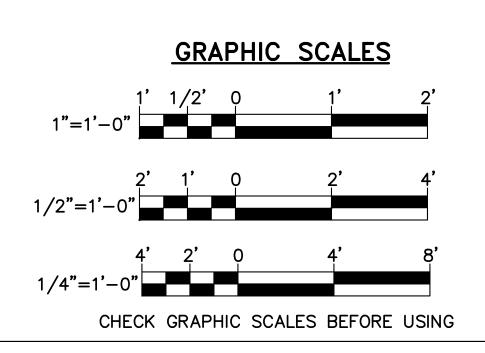
- CRACK ISOLATION MEMBRANE (MIN 4 MIL POLYETHYLENE SHEETING)

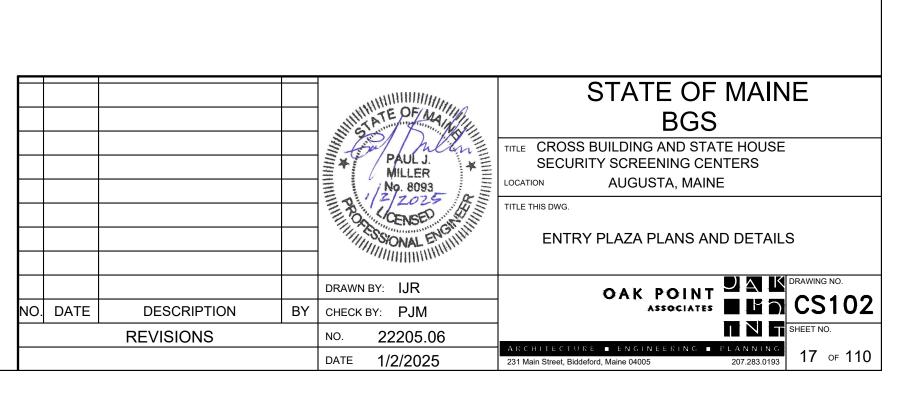
4 TYP GRANITE STEPS SECTION

(CS102) SCALE: 1"-1-0"

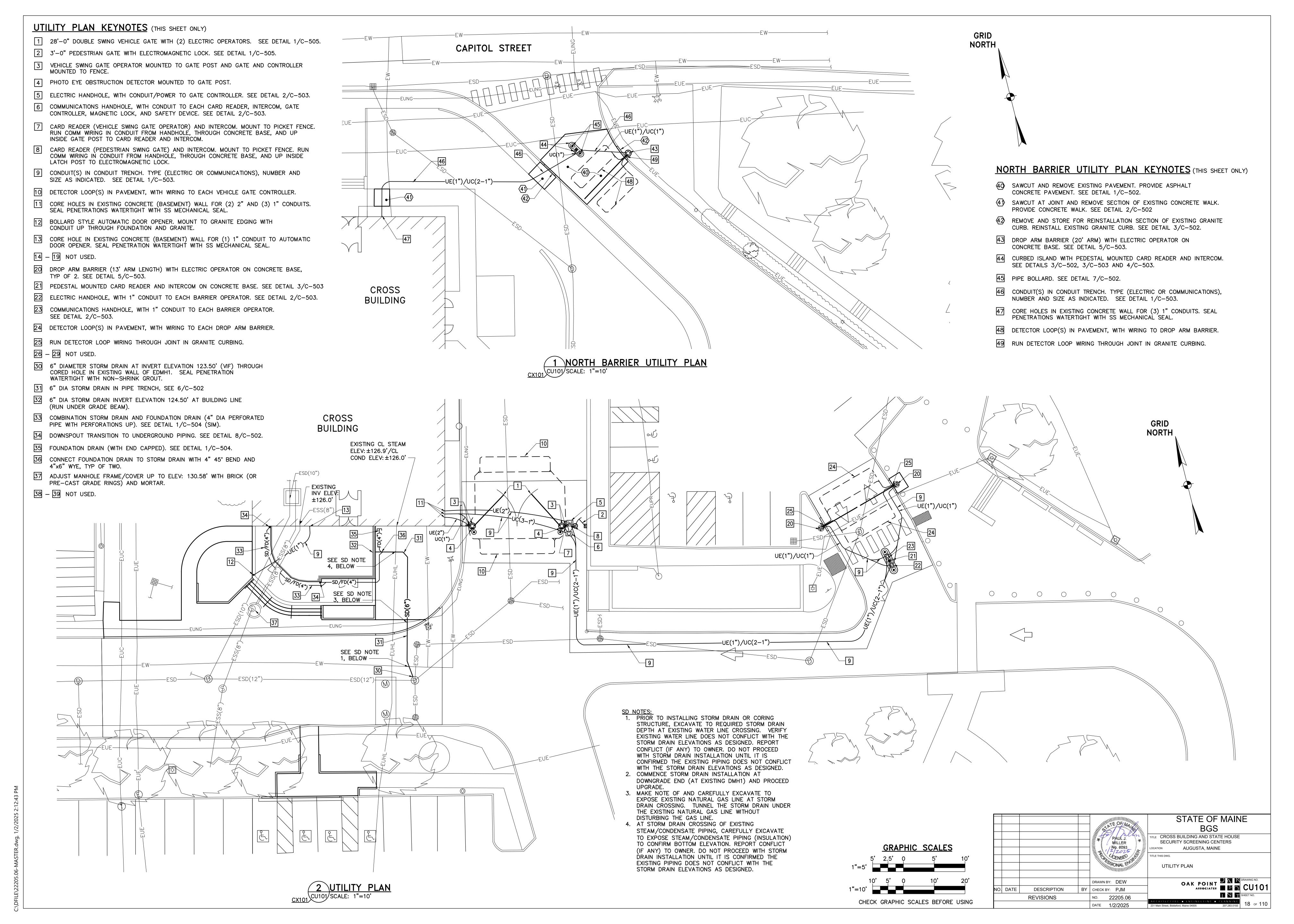


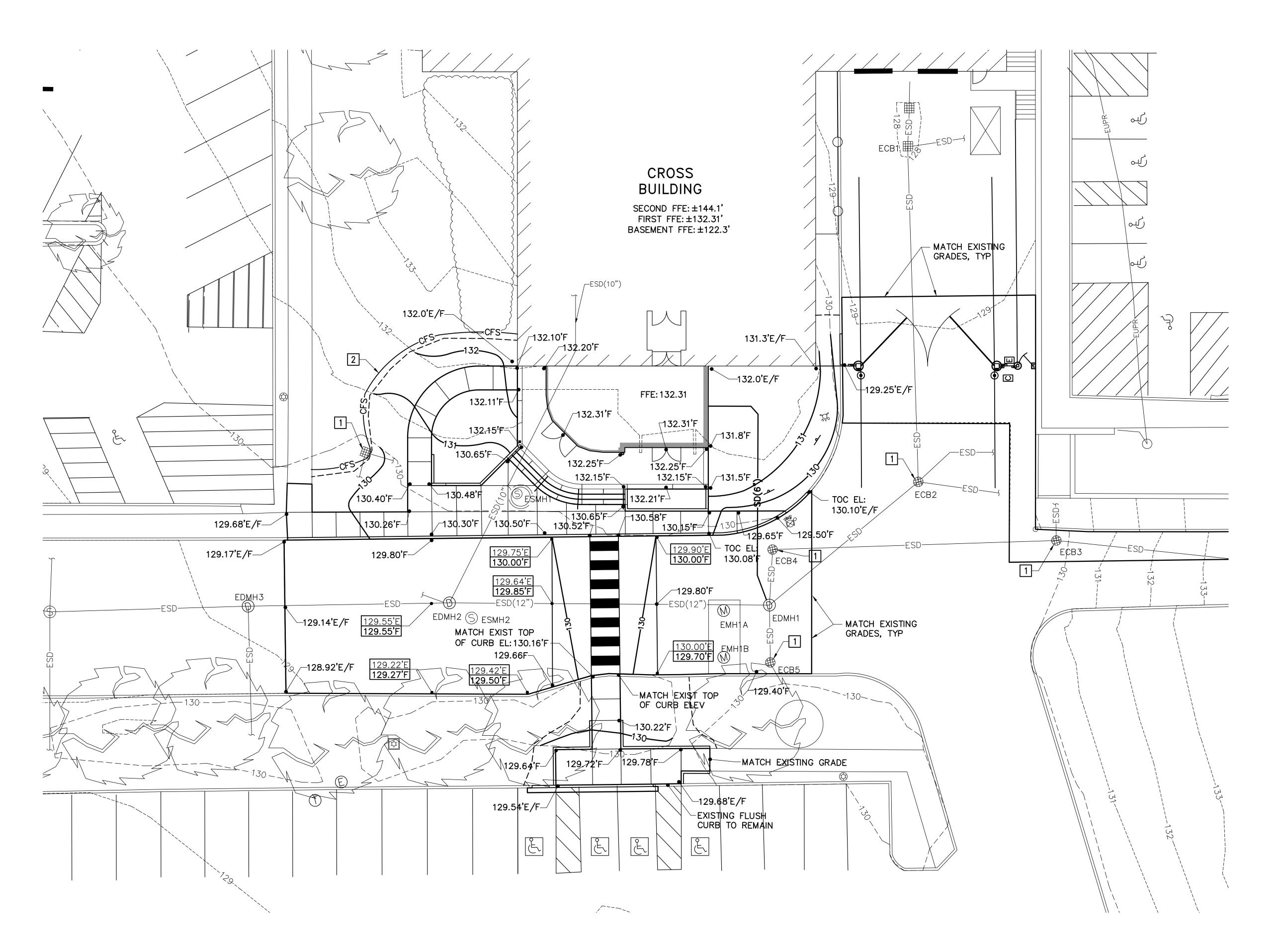
5 TYPICAL PLAZA FOUNDATION WALL AND FOOTING SECTION CS102,C-503 SCALE: 1/2"=1-0'





2 ENTRY PLAZA FOUNDATION PLAN
CS101 SCALE: 1/4"=1"





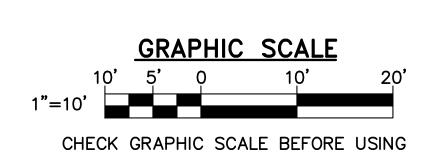
GRID NORTH

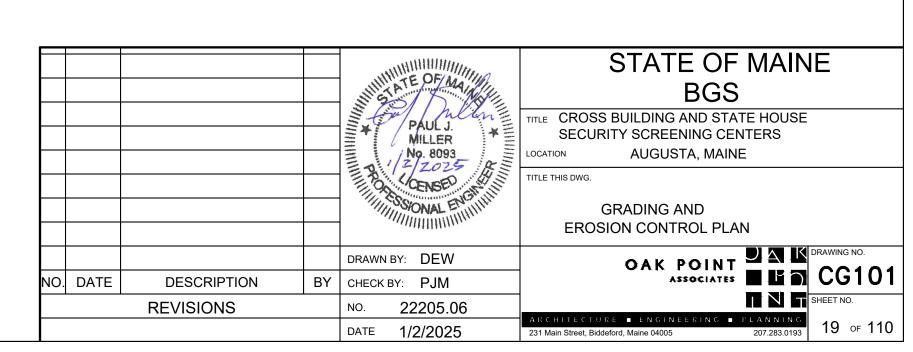
# KEYNOTES (THIS SHEET ONLY)

- 1 INLET PROTECTION. SEE DETAIL 2/C-501.
- 2 COMPOST FILTER SOCK. SEE DETAIL 1/C-501.

1 GRADING AND EROSION CONTROL PLAN

CX101 CG101 SCALE: 1"=10"





### **EROSION AND SEDIMENT CONTROL NOTES**

#### A. GENERAL NOTES

- 1. DURING CONSTRUCTION AND THEREAFTER, IMPLEMENT EROSION CONTROL MEASURES AS INDICATED AND SPECIFIED, AS WELL AS ADDITIONAL MEASURES NECESSARY TO CONTROL EROSION AND SEDIMENTATION IN ACCORDANCE WITH THE MAINE EROSION AND SEDIMENT CONTROL LAW. EROSION CONTROL MEASURES MUST BE IN ACCORDANCE WITH THE CURRENT EDITION "MAINE EROSION AND SEDIMENT CONTROL PRACTICES FIELD GUIDE FOR CONTRACTORS" BY THE MAINE DEP.
- 2. LIMIT AREAS OF EXPOSED SOILS TO AREAS THAT WILL ACTIVELY BE WORKED. TEMPORARILY STABILIZE AREAS OF DISTURBED SOIL THAT REMAINS UNWORKED FOR MORE THAN 7 DAYS USING TEMPORARY MULCHING (IF THE SOIL WILL BE PERMANENTLY STABILIZED WITHIN 30 DAYS) OR TEMPORARY SEEDING AND MULCHING (IF THE SOIL WILL NOT BE PERMANENTLY STABILIZED WITHIN 30 DAYS). PERMANENTLY STABILIZE AREAS OF DISTURBED SOIL BROUGHT TO FINAL GRADE WITHIN 7 DAYS. DISTURBED SOILS DO NOT INCLUDE COMPACTED GRAVEL OR STRUCTURAL FILL FOR WALKS, ROADS, PARKING AREAS, AND BUILDING FOUNDATIONS.
- 3. PROVIDE MINIMUM 6" LAYER OF PLANTING SOIL, SEED, AND MULCH ON DISTURBED AREAS NOT OTHERWISE INDICATED. WATER ALL VEGETATED AREAS AS NECESSARY TO ESTABLISH A VIGOROUS GRASS. REFER TO SPECIFICATION SECTION 329200, TURF AND GRASSES, FOR PERMANENT SEEDING REQUIREMENTS.

#### B. INSPECTION AND MAINTENANCE

- 1. INSPECT EROSION CONTROL MEASURES AND OTHERS AREAS OF THE SITE WEEKLY, BEFORE AND AFTER EACH STORM EVENT, AND PRIOR TO COMPLETING PERMANENT STABILIZATION. PROMPTLY REPAIR/REPLACE EROSION CONTROL MEASURES DAMAGED OR OTHERWISE NOT FUNCTIONING AS INTENDED.
- 2. MAINTAIN ALL EROSION CONTROL MEASURES FOR THE LIFE OF THE PROJECT AND UNTIL PERMANENT STABILIZATION OF THE ENTIRE SITE IS ESTABLISHED. PERMANENT STABILIZATION MUST CONSIST OF AT LEAST 85—PERCENT VEGETATION OR PERMANENT SURFACING SUCH AS PAVEMENT CONCRETE, OR RIPRAP. PROTECT STABILIZED AREAS FROM EROSION AND IMMEDIATELY REPAIR/REVEGETATE ERODED AREAS.
- 3. REMOVE TEMPORARY EROSION CONTROL MEASURES WITHIN 30 DAYS AFTER THE TRIBUTARY AREA HAS BEEN PERMANENTLY STABILIZED. REMOVE ACCUMULATED SEDIMENTS AND STABILIZE THE DISTURBED AREA.

#### C. SOIL STOCKPILE STABILIZATION

1. THERE ARE NO AREAS ON-SITE AVAILABLE FOR SOIL STOCKPILES.

#### D. TEMPORARY SEEDING

- 1. BEDDING REMOVE STONES AND TRASH WITHIN THE SEEDING AREA.
  TILL THE SOIL TO A DEPTH OF ABOUT 3" TO PREPARE SEED BED AND MIX
  THE FERTILIZER INTO THE SOIL.
- 2. FERTILIZER SPREAD 10-10-10 FERTILIZER UNIFORMLY OVER THE AREA AT A RATE OF 300 POUNDS PER ACRE (7 LBS/1,000 SF) PRIOR TO TILLING.
- 3. SEED MIXTURE USE ANY OF THE FOLLOWING IN UPLAND AREAS:

TEMPORARY SEEDING RATES				
<u>SPECIES</u>	PER ACRE	PER 1,000 SF	SEEDING DATES	
WINTER RYE	112 LBS	2.6 LBS	8/15–10/1	
OATS	80 LBS	2.0 LBS	4/1-7/1 & 8/15-9/15	
ANNUAL RYE GRASS	40 LBS	1.0 LBS	4/1-7/1 WITH MULCH	

4. MULCHING FOR TEMPORARY SEEDING — MULCH THE SEEDED AREA TO FACILITATE GERMINATION. APPLY MULCH IN THE FORM OF HAY OR STRAW AT A RATE OF 70 TO 90 LBS PER 1,000 SF.

### E. PERMANENT SEEDING

1. REFER TO SPECIFICATION SECTION 329200, "TURF AND GRASSES" FOR PERMANENT SEEDING REQUIREMENTS.

### F. DUST CONTROL

- 1. IMPLEMENT DUST CONTROL MEASURES TO CONTROL BLOWING AND MOVEMENT OF DUST. CONTROL DUST USING ONE OR MORE OF THE FOLLOWING METHODS OR OTHER METHOD APPROVED BY THE OWNER:
- a) MULCHES MULCH AREAS SUBJECT TO DUST MOVEMENT IN ACCORDANCE WITH THE MaESC GUIDELINES;
- b) WATERING SPRINKLE AREAS SUBJECT TO DUST MOVEMENT WITH WATER UNTIL THE SURFACE IS WET. REPEAT SPRINKLING AS REQUIRED TO PREVENT MOVEMENT OF DUST.
- c) CALCIUM CHLORIDE CALCIUM CHLORIDE MUST BE IN THE FORM OF LOOSE, DRY GRANULES OR FLAKES OF A SIZE SUITABLE FOR COMMONLY USED SPREADERS. CALCIUM CHLORIDE MUST BE APPLIED AT A RATE THAT WILL KEEP THE SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE.

#### G. MULCHING

- MULCH AREAS THAT HAVE BEEN TEMPORARILY OR PERMANENTLY SEEDED WITH STRAW OR FIBER MULCH IMMEDIATELY FOLLOWING SEEDING.
   MULCH AREAS THAT CANNOT BE SEEDED BECAUSE OF THE SEASON WITH ORGANIC MULCH AND SEED THE AREAS AS SOON AS WEATHER OR SEASONAL CONDITIONS PERMIT.
- 3. USE TEMPORARY MULCHING IN ACCORDANCE WITH THE TABLE BELOW ON SLOPES, CHANNELS, OTHER EROSION PRONE AREAS, AND EXPOSED SOILS THAT CANNOT RECEIVE PERMANENT COVER WITHIN 14 DAYS OF DISTURBANCE.

MULCHING RATES					
MULCH TYPE	RATE PER 1,000 SF	USE AND COMMENTS			
HAY OR STRAW	70 TO 90 LBS *  * DOUBLE THE RATE FOR OVER WINTER STABILIZATION	MOLD FREE AND DRY, MAY BE USED WITH PLANTINGS. ANCHOR IN AREAS OF STRONG WIND AND SLOPES GREATER THAN 5%.			
WOOD CHIPS OR BARK MULCH	3" THICK OR MORE	USE IN FLAT AREAS AND SHORT 4:1 SLOPES.			
EROSION CONTROL BLANKETS	SEE DETAIL 8/C-502	DITCHES AND STEEP SLOPES.			
EROSION CONTROL MIX	2" FOR SLOPES FLATTER THAN 3:1 OR 4" FOR SLOPES GREATER THAN 3:1.	FOR USE ON SLOPES LESS THAN 45%.			

#### H. EROSION CONTROL BLANKET

1. EXCELSIOR EROSION CONTROL BLANKET MUST CONSIST OF A MACHINE PRODUCED MAT OF CURLED WOOD EXCELSIOR COVERED WITH EITHER A 3 BY 1 INCH WEAVE OF TWISTED CRAFT PAPER OR A 2 BY 1 INCH BIODEGRADABLE EXTRUDED PLASTIC MESH. THE MAT MUST BE OF CONSISTENT THICKNESS WITH FIBERS EVENLY DISTRIBUTED THROUGHOUT. 80 PERCENT OF THE FIBERS MUST BE OVER 6 INCHES IN LENGTH. MINIMUM WIDTH: 48 INCHES, MINIMUM WEIGHT: 0.8 POUNDS PER SQUARE YARD.

2. STRAW—COCONUT EROSION CONTROL MAT MUST CONSIST OF A MACHINE PRODUCED MAT OF 70 PERCENT WHEAT STRAW AND 30 PERCENT COCONUT FIBER WITH PHOTODEGRADABLE NETTING ON BOTH SIDES AND SEWN TOGETHER WITH COTTON THREAD. MINIMUM WIDTH: 48 INCHES, MINIMUM WEIGHT: 0.75 POUNDS PER SQUARE YARD.

3. JUTE EROSION CONTROL BLANKET MUST BE OF UNIFORM PLAIN WEAVE SINGLE JUTE YARN AVERAGING APPROXIMATELY 130 POUNDS PER SPINDLE OF 14,400 YARDS. THE YARN MUST BE LOOSELY TWISTED AND WOVEN INTO 48 INCH WIDE BLANKETS WITH A MINIMUM AVERAGE WEIGHT OF 1.0 POUNDS PER SQUARE YARD.

#### I. RIPRAP

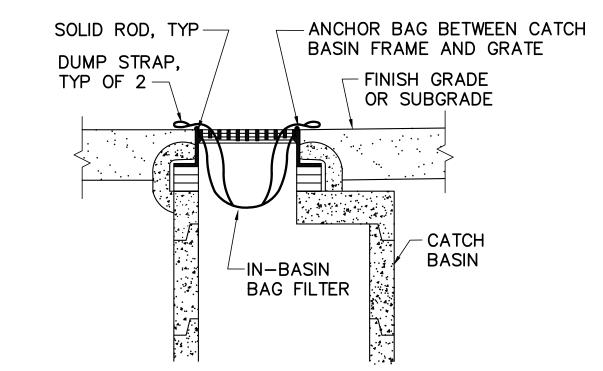
1. RIPRAP MUST CONSIST OF A WELL GRADED MIXTURE OF SOUND, DURABLE ROCK WHICH WILL NOT DISINTEGRATE BY EXPOSURE TO WATER OR WEATHER AND WITH A SPECIFIC GRAVITY OF AT LEAST 2.5. ANGULAR FIELD STONE, ROUGH QUARRY STONE OR BLASTED LEDGE ROCK MAY BE USED. APPROXIMATELY 50—PERCENT OF THE STONE BY WEIGHT MUST BE LARGER THAN THE MEDIAN STONE SIZE (D50 SIZE) INDICATED. THE MAXIMUM STONE SIZE MUST BE 1.5 TIMES THE MEDIAN SIZE. INCLUDE ENOUGH SMALLER STONES TO FILL THE VOIDS IN THE LARGER STONES.

# J. WINTER STABILIZATION (NOVEMBER 1 THROUGH APRIL 15)

- 1. DISTURBED SOILS SEED AND MULCH DISTURBED SOILS ON THE SITE BY OCTOBER 1ST. IF DISTURBED AREAS ARE NOT STABILIZED BY OCTOBER 1ST, TAKE ONE OF THE FOLLOWING ACTIONS TO STABILIZE THE SOIL FOR LATE FALL AND WINTER:
- a. <u>STABILIZE THE SOIL WITH TEMPORARY VEGETATION</u> BY OCTOBER 1st SEED THE DISTURBED SOIL WITH ANNUAL RYEGRASS AT A SEEDING RATE OF 3 POUNDS PER 1000 SQUARE FEET, LIGHTLY MULCH THE SEEDED SOIL WITH HAY OR STRAW AT 75 POUNDS PER 1000 SQUARE FEET, AND ANCHOR THE MULCH WITH PLASTIC NETTING. MONITOR GROWTH OF THE RYE OVER THE NEXT 30 DAYS. IF THE RYE FAILS TO GROW AT LEAST THREE INCHES OR FAILS TO COVER AT LEAST 75% OF THE DISTURBED SOIL BEFORE NOVEMBER 1, MULCH THE AREA FOR OVER—WINTER PROTECTION AS DESCRIBED BELOW.
- b. <u>STABILIZE THE SOIL WITH MULCH</u> BY NOVEMBER 15th, MULCH THE DISTURBED SOIL BY SPREADING HAY OR STRAW AT A RATE OF AT LEAST 150 POUNDS PER 1000 SQUARE FEET SUCH THAT NO SOIL IS VISIBLE THROUGH THE MULCH. IMMEDIATELY AFTER APPLYING THE MULCH, ANCHOR WITH NETTING OR OTHER APPROVED METHOD.

#### K. HOUSEKEEPING

- 1. HANDLE AND DISPOSE OF POLLUTANTS, INCLUDING WASTE MATERIALS AND DEMOLITION DEBRIS, IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF SURFACE WATER OR OTHER PROTECTED RESOURCES.
- 2. COVER, CONTAIN, AND PROTECT FROM VANDALISM CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND NON-INERT WASTES PRESENT ON THE SITE. STORE ONLY SUFFICIENT AMOUNTS OF MATERIALS TO COMPLETE THE JOB.
- 3. DISPOSE OF NOT TO BE USED SURPLUS MATERIALS OFF SITE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND STATE AND FEDERAL CODES AND REGULATIONS.
- 4. CONSTRUCTION EQUIPMENT AND VEHICLES MUST BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO MINIMIZE POTENTIAL FOR LEAKAGE OR BREAKDOWN. NECESSARY REPAIR AND MAINTENANCE OF EQUIPMENT AND/OR VEHICLES MUST BE CONDUCTED USING SPILL PREVENTION MEASURES, INCLUDING DRIP PANS AND PLASTIC BENEATH THE VEHICLE, AND ONLY IN LOCATIONS APPROVED BY THE OWNER. CLEAN CONTAMINATED SURFACES IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT.
- 5. CONCRETE TRUCKS MUST DISCHARGE AND WASH OUT SURPLUS CONCRETE AND DRUM WASH WATER IN A SINGLE CONTAINED AREA ON SITE WHERE WATER WILL NOT RUNOFF OR INFILTRATE INTO THE GROUND. THE CONTAINED WASHOUT AREA MUST BE A MINIMUM OF 100 FEET FROM PROTECTED NATURAL RESOURCES AND AS APPROVED BY THE CONTRACTING OFFICER.
- 6. APPLY AGRICULTURAL CHEMICALS, INCLUDING FERTILIZER, IN A MANNER AND APPLICATION RATE THAT WILL NOT RESULT IN LOSS OF CHEMICAL TO SURFACE WATER RUNOFF. FOLLOW MANUFACTURERS' RECOMMENDATIONS FOR APPLICATION RATES AND PROCEDURES.
- 7. SPILLS MUST BE CLEANED UP IMMEDIATELY AFTER DISCOVERY IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED METHODS. KEEP MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP IN THE MATERIAL STORAGE AREA, INCLUDING BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST AND PLASTIC OR METAL TRASH CONTAINERS. SPILLS OF TOXIC OR HAZARDOUS MATERIALS MUST BE REPORTED TO THE OWNER AND MDEP IMMEDIATELY REGARDLESS OF THE SIZE.



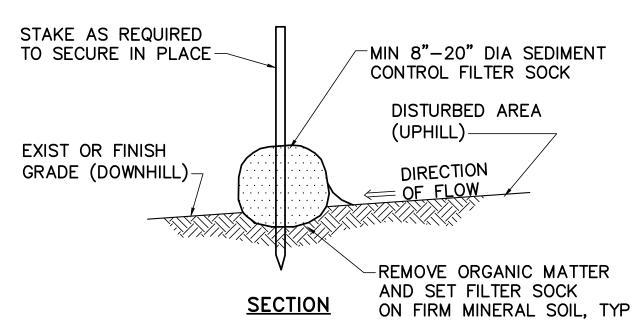
#### INLET PROTECTION NOTES:

- 1. IN-BASIN BAG FILTERS MUST BE A WOVEN POLYPROPYLENE WITH THE FOLLOWING MINIMUM PROPERTIES:
- a. GRAB TENSILE STRENGTH ACCORDING TO ASTM D-4632: 300 LBS
   b. PUNCTURE RESISTANCE ACCORDING TO ASTM D-4833: 120 LBS
   c. MULLEN BURST ACCORDING TO ASTM D-3786: 800 PSI
   d. FLOW RATE ACCORDING TO ASTM D-4491: 44 GAL/MIN/FT
- 2. BAG FILTER SEAMS MUST BE DOUBLE STITCHED WITH HIGH-STRENGTH NYLON THREAD AND MUST HAVE A AVERAGE WIDE WIDTH STRENGTH PER ASTM D 4884 OF 165 LBS/INCH.
- 3. INSPECT INLET PROTECTION WEEKLY AND AFTER EACH RAINFALL EVENT. CLEAN OUT, REPAIR OR REPLACE INLET PROTECTION

PROMPTLY AS REQUIRED TO MAINTAIN IN GOOD WORKING CONDITION.

4. INSTALL AND EMPTY BAG FILTERS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.

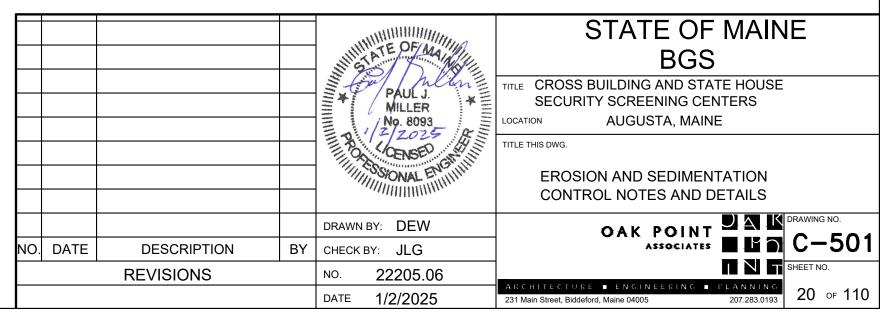
2 TYP INLET PROTECTION DETAIL
C-501 NOT TO SCALE

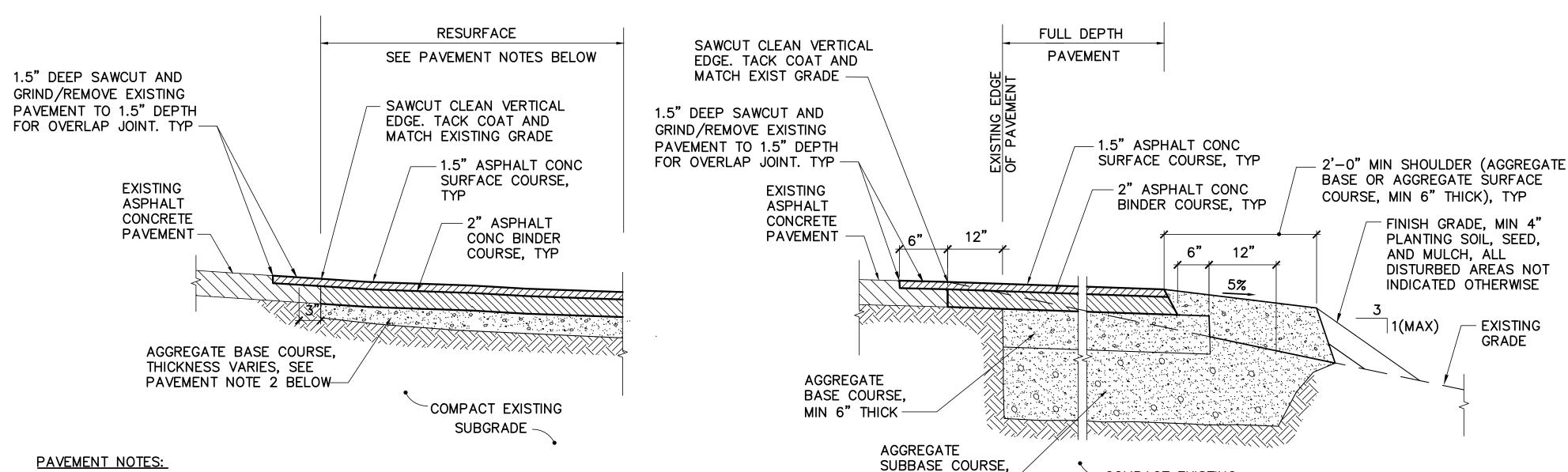


### SEDIMENT CONTROL FILTER SOCK NOTES:

- 1. SEDIMENT CONTROL FILTER SOCKS MUST CONSIST OF STRAW, SHREDDED BARK, STUMP GRINDINGS, OR OTHER ORGANIC MATERIALS WRAPPED IN BIODEGRADABLE TUBULAR NETTED OR SIMILAR ENCASING MATERIAL AND MUST BE MANUFACTURED FOR THE PURPOSE OF TEMPORARY SEDIMENT CONTROL. INSTALL FILTER SOCKS ACCORDING TO MANUFACTURER RECOMMENDATIONS.
- 2. UNLESS INDICATED OTHERWISE, INSTALL FILTER SOCKS ALONG THE CONTOUR AND WITH ENDS TURNED UPSLOPE TO CREATE PONDED AREAS FOR SOIL SETTLEMENT.
- 3. INSTALL FILTER SOCKS FIRMLY ON MINERAL SOIL AND ABUT ENDS TIGHTLY. DO NOT OVERLAP ENDS. SECURELY STAKE FILTER SOCKS IN PLACE TO PREVENT MOVEMENT AND UNDERMINING.
- 4. REMOVE SEDIMENT ACCUMULATIONS WHEN EXCEEDING ONE HALF THE EXPOSED HEIGHT OF THE FILTER SOCK.
- 5. SEDIMENT CONTROL FILTER SOCKS MUST REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE STABILIZED.

1 SEDIMENT CONTROL FILTER SOCK DETAIL
C-501 NOT TO SCALE



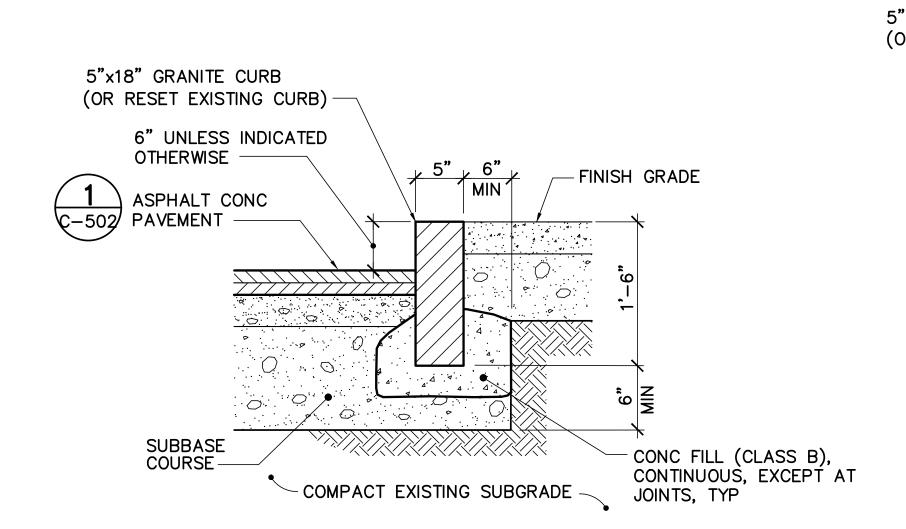


### **PAVEMENT NOTES:**

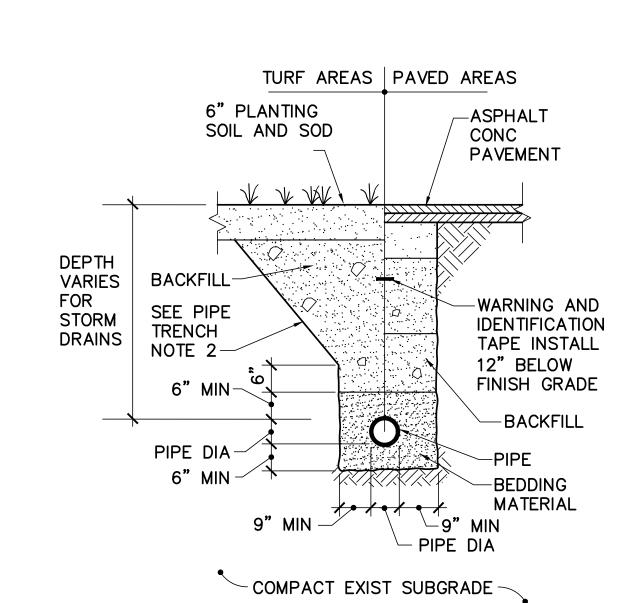
- 1. RESURFACE PAVEMENT REFER TO NEW PAVEMENT OVER AREAS OF EXISTING (REMOVED) PAVEMENT. FULL DEPTH PAVEMENT REFERS TO NEW PAVEMENT OVER EXISTING VEGETATED AREAS.
- 2. FOR RESURFACE PAVEMENT AREAS, FINE GRADE EXISTING BASE COURSE (AND/OR PROVIDE ADDITIONAL AGGREGATE BASE MATERIAL) TO ACHIEVE FINISH GRADES INDICATED AFTÉR PLACEMENT OF ASPHALT CONCRETE BINDER AND WEARING COURSES.

TYP FULL DEPTH AND RESURFACE ASPHALT CONCRETE PAVEMENT DETAILS CS101,CS102,CU101,C-502,C-503 C-502 NOT TO SCALE

MIN 12" THICK -



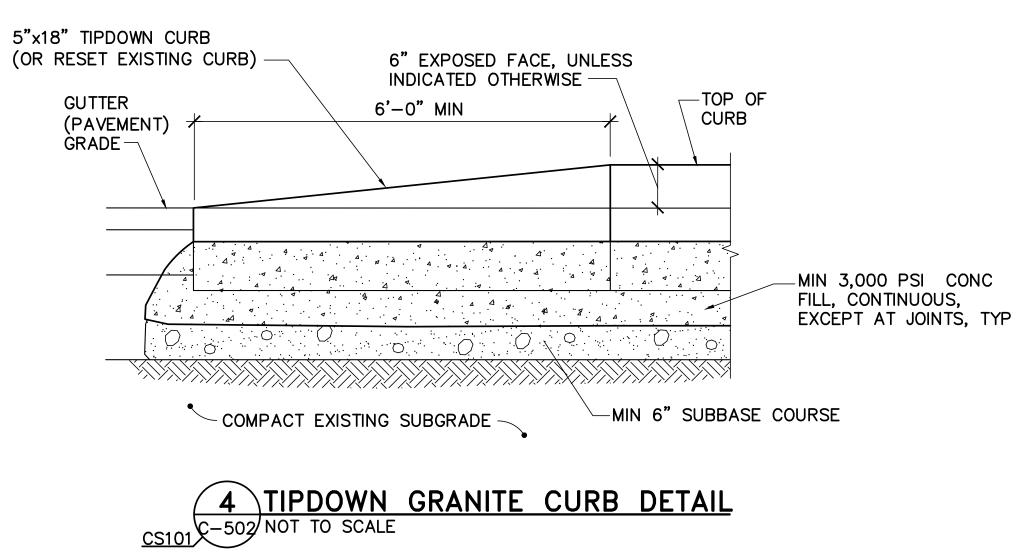
3 TYP GRANITE CURB DETAIL CS101,CS102,CU101,C-503 C-502 NOT TO SCALE



6 TYP PIPE TRENCH DETAIL CU101,CG101 C-502 NOT TO SCALE

### PIPE TRENCH NOTES:

- 1. INSTALL THERMOPLASTIC GRAVITY PIPING IN ACCORDANCE WITH ASTM D 2321 (CLASS II BEDDING), UNLESS INDICATED OTHERWISE.
- 2. COMPLY WITH OSHA STANDARDS FOR EXCAVATION WORK. TRENCH SIDEWALLS MUST BE VERTICAL FROM TRENCH BOTTOM TO MIN 12" ABOVE TOP OF PIPE.



-COMPACT EXISTING

SUBGRADE ~

- FINISH GRADE, MIN 4"

PLANTING SOIL, SEED,

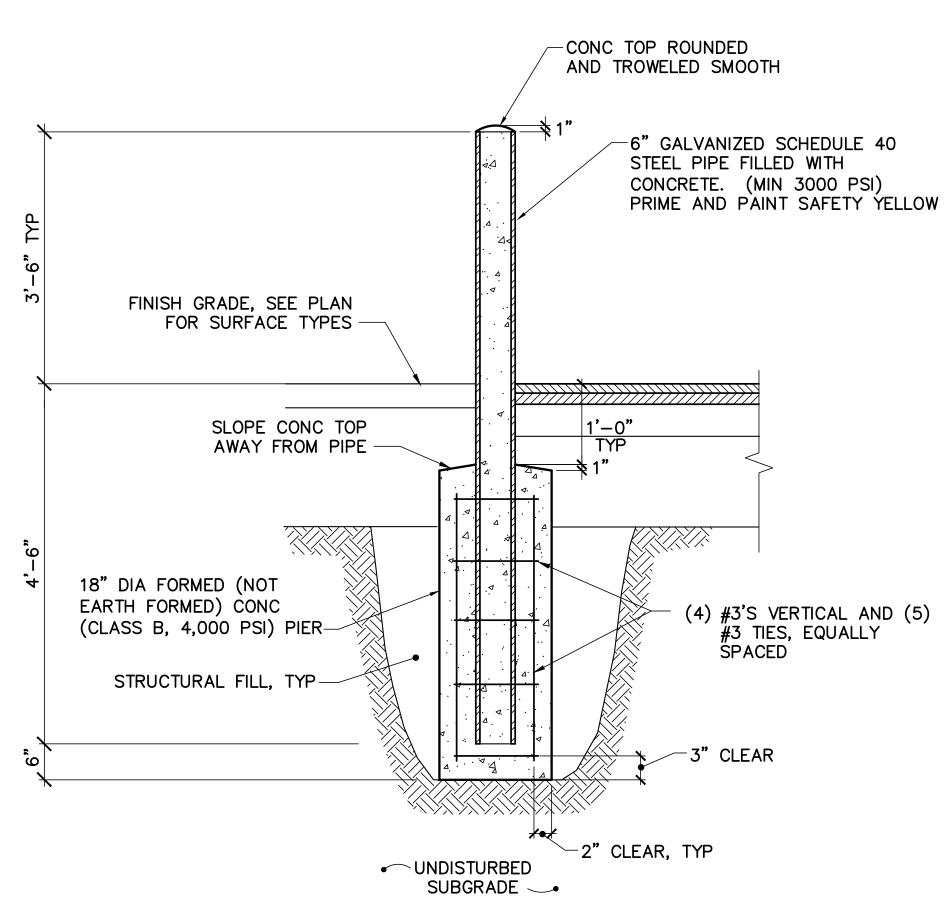
DISTURBED AREAS NOT INDICATED OTHERWISE

- EXISTING

GRADE

AND MULCH, ALL

1(MAX)



TYP PIPE BOLLARD DETAIL

#### 1/2" PREFORMED FILLER AND JOINT SEALANT (AT STRUCTURES) TOOLED EDGE, TYP 5" THICK CONC (CLASS LINE OF STRUCTURE J, 5,000 PSI) WALK WITH LIQUID BOND BREAKER, TYP (BUILDING, FROST 6x6 W2.9xW2.9 EPOXY WALL, STOOP) — COATED WWF — -CURB (WHERE $\sqrt{\phantom{0}3}$ INDICATED) (C-502) SLOPE TO CURB, TYP -FINISH GRADE

COURSE -2 TYPICAL CONCRETE WALK DETAIL CS101,CS102,C-504 C-502 NOT TO SCALE

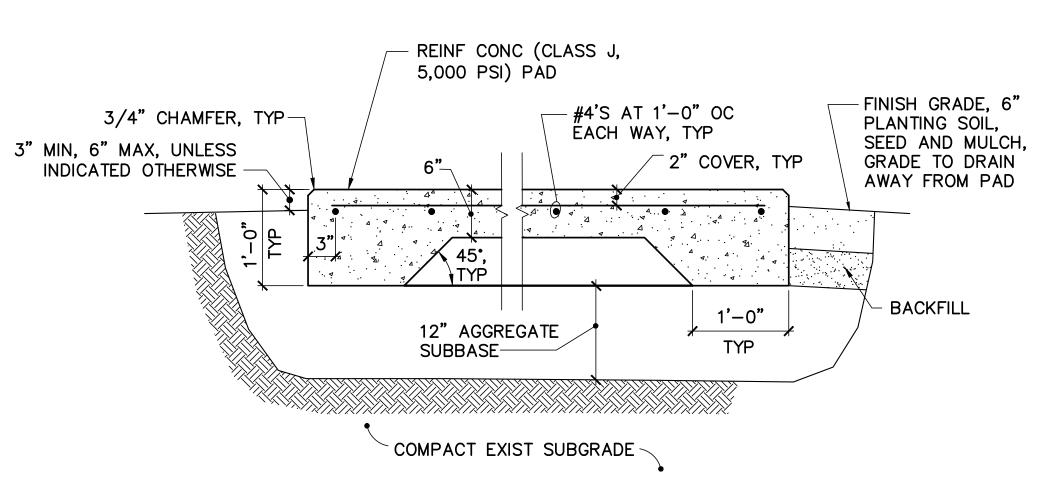
COMPACT EXISTING SUBGRADE

MIN 12"

SUBBASE

### **CONCRETE WALK NOTES:**

- 1. PROVIDE MEDIUM BROOM FINISH PERPENDICULAR TO DIRECTION OF TRAVEL.
- 2. PROVIDE TOOLED EDGE AT ALL EDGES AND TOOLED CONTROL JOINTS AT 5'-0" TO 6'-0" ON CENTER, EQUALLY SPACED UNLESS INDICATED OTHERWISE.
- 3. MAINTAIN 1.50% CROSS SLOPE AWAY FROM THE BUILDING, UNLESS INDICATED OTHERWISE.

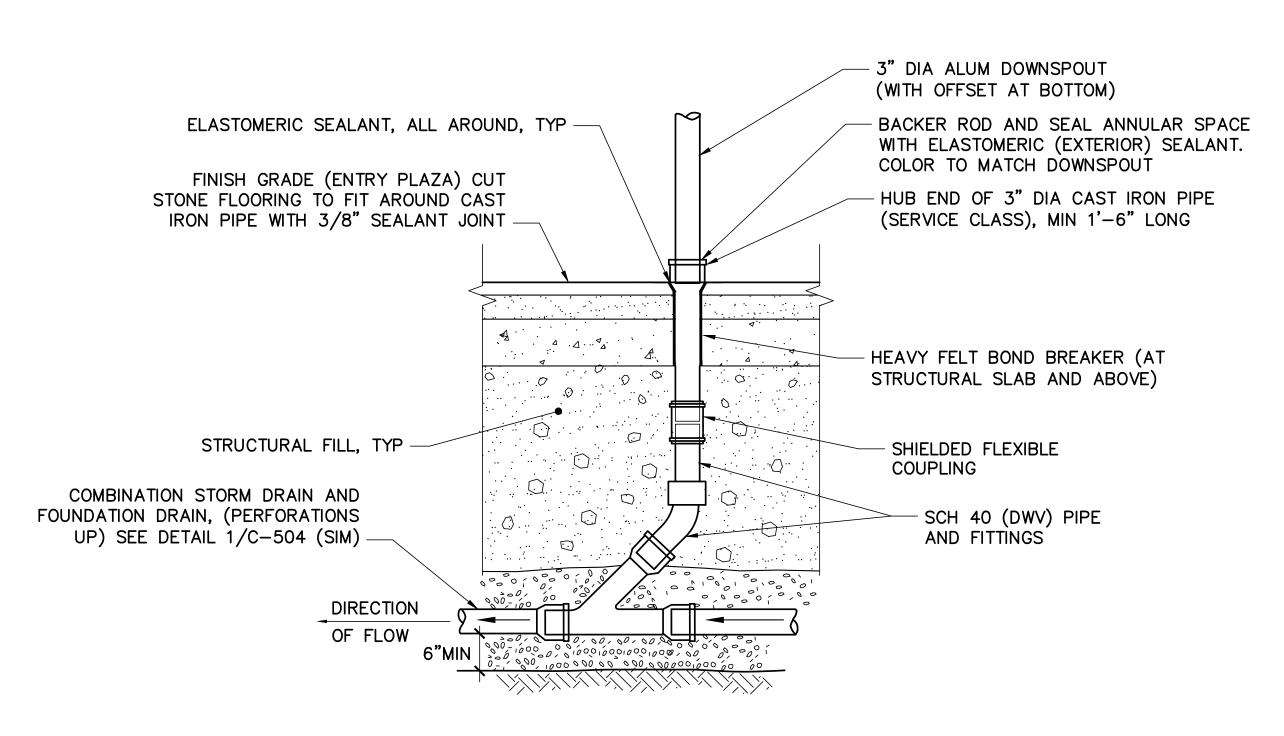


### **CONCRETE PAD NOTES**

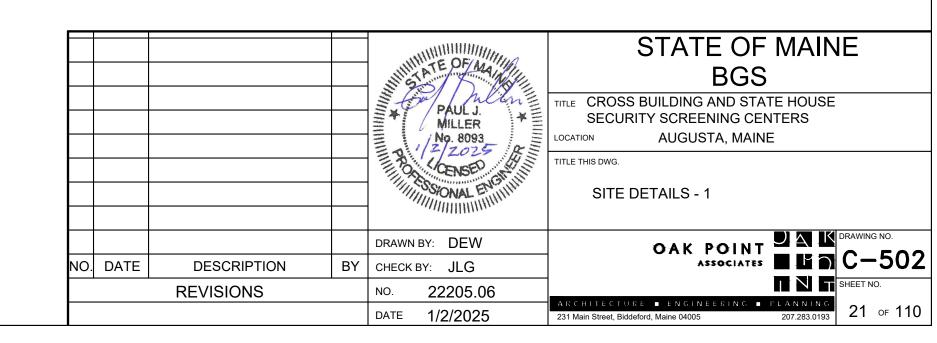
- 1. ANCHOR EQUIPMENT TO PAD WITH STAINLESS STEEL OR GALVANIZED CONCRETE ANCHORS IN ACCORDANCE WITH MANUFACTURERS' WRITTEN RECOMMENDATIONS. 2. THE FOLLOWING APPROXIMATE PAD SIZES ARE REQUIRED. COORDINATE PAD
- SIZES WITH MANUFACTURER'S REQUIREMENTS FOR EQUIPMENT SELECTED: MECHANICAL EQUIPMENT: 30'-0" x 2'-0" GENERATOR PAD:  $12'-0" \times 5'-0"$ DUMPSTER PAD: 12'-0" x 20'-0"

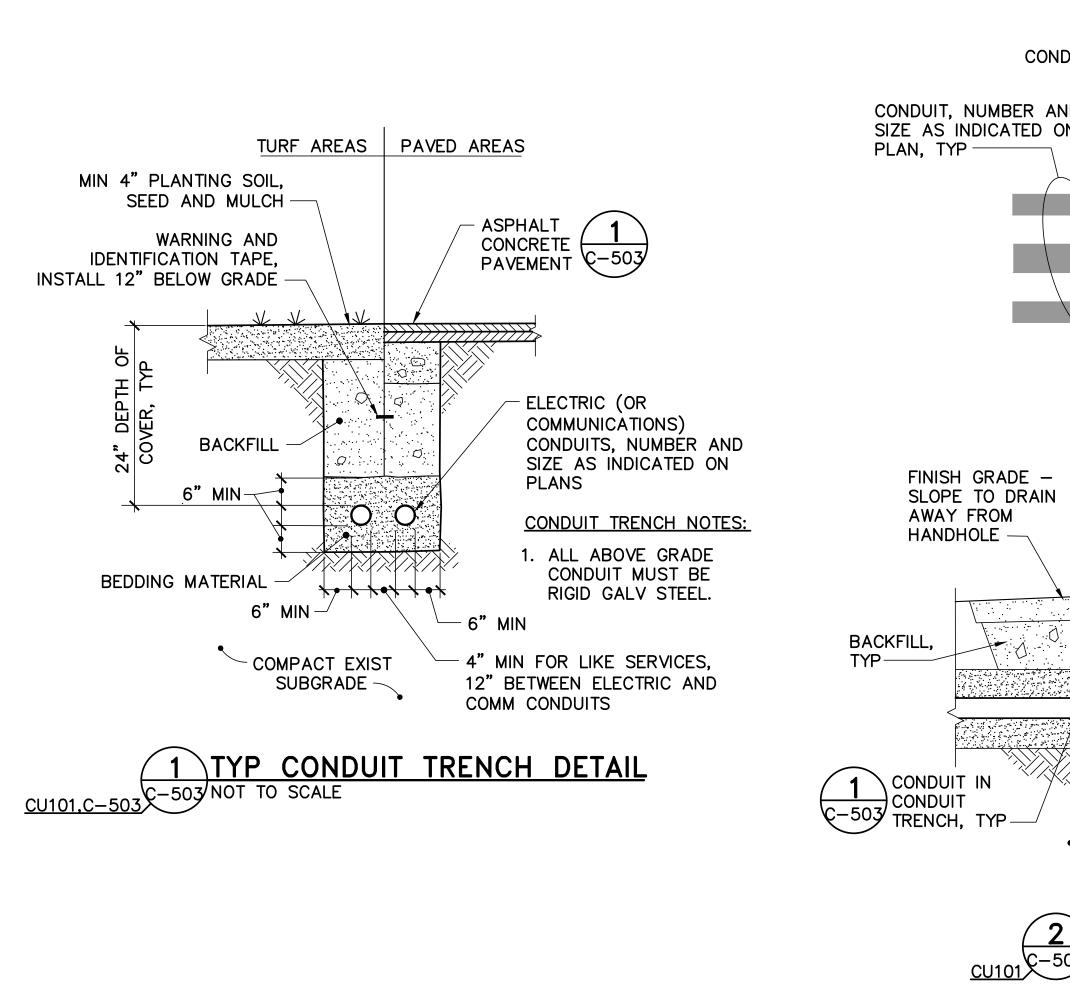
5 TYP CONCRETE PAD DETAIL C-502 NOT TO SCALE

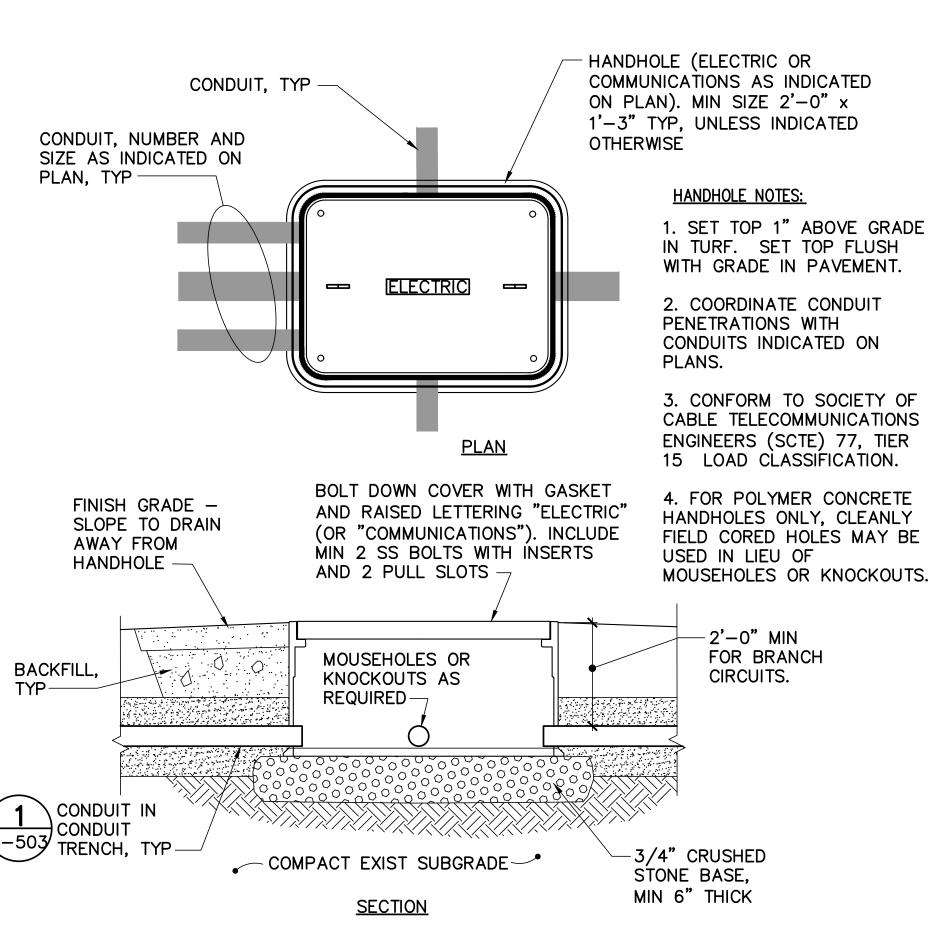
-SUBBASE COURSE

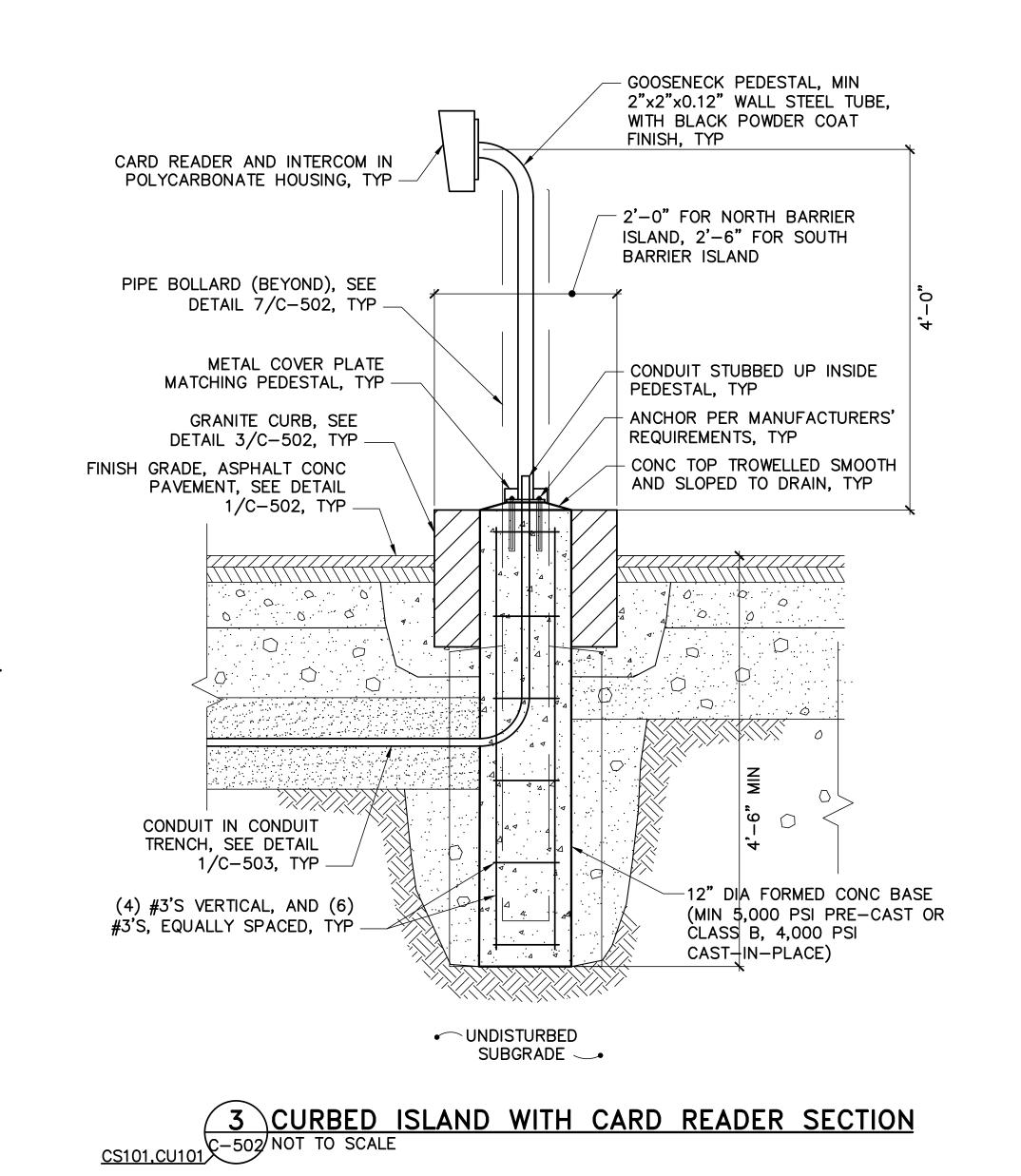


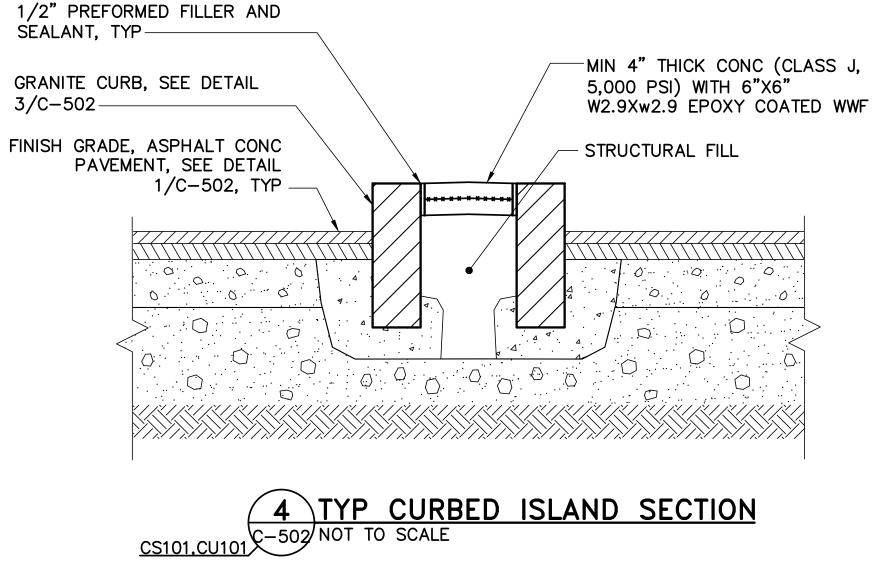
8 TYP DOWNSPOUT TRANSITION DETAIL











TITLE CROSS BUILDING AND STATE HOUSE SECURITY SCREENING CENTERS

SITE DETAILS - 2

TITLE THIS DWG.

AUGUSTA, MAINE

OAK POINT DAM C-503

PAUL J.
MILLER
No. 8093
2/2025
CENSE

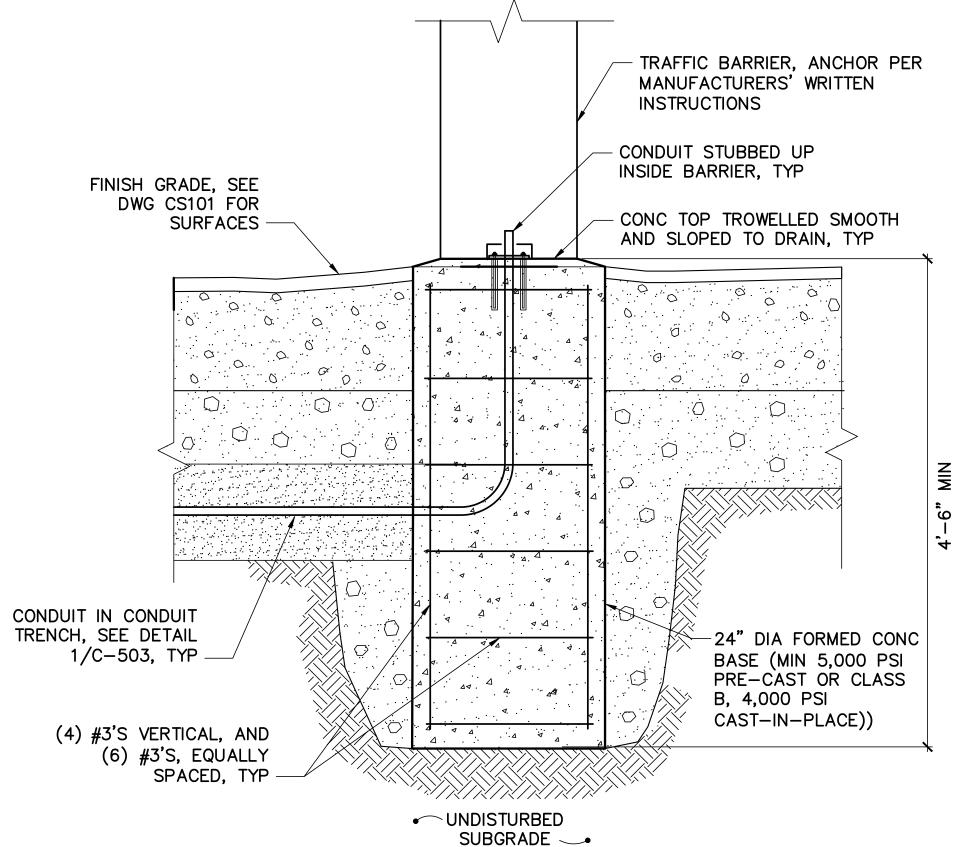
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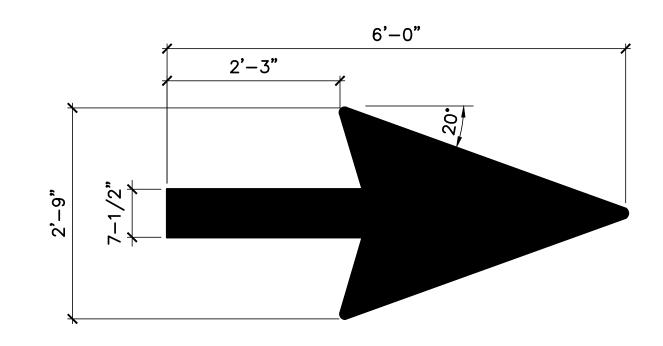
DATE 1/2/2025

BY CHECK BY: JLG

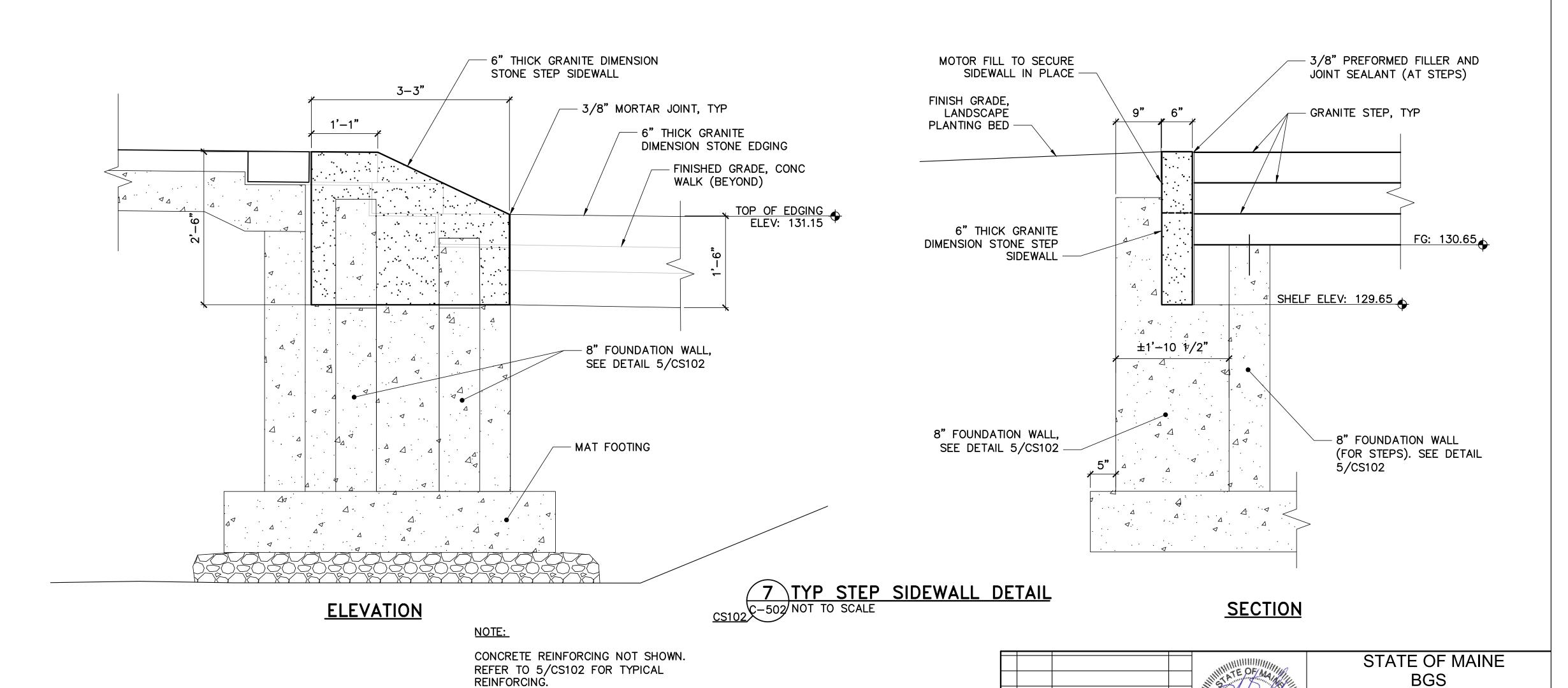
TYP HANDHOLE DETAIL CU101 C-502 NOT TO SCALE



5 TRAFFIC BARRIER BASE DETAIL CS101,CU101 C-502 NOT TO SCALE



6 TYP TRAFFIC ARROW DETAIL
C-503 NOT TO SCALE



GRAPHIC SCALE

CHECK GRAPHIC SCALE BEFORE USING

D. DATE

DESCRIPTION

**REVISIONS** 

# 1 TYPICAL EARTHWORK SECTION

### FOUNDATION PREPARATION NOTES:

1. REFERENCE IS MADE TO THE GEOTECHNICAL REPORT ATTACHED AT THE END OF SPECIFICATION SECTION 312000 "EARTHWORK", FOR RECOMMENDATIONS ON CONSTRUCTION DEWATERING, VIBRATIONS DURING CONSTRUCTION, PILE DRIVING, FILL PLACEMENT AND COMPACTION, AND OTHER GEOTECHNICAL CONSIDERATIONS. RECOMMENDATIONS IN THE GEOTECHNICAL REPORT ARE SUMMARIZED BELOW.

2. EXISTING ON-SITE NATURALLY DEPOSITED AND FILL SOILS ARE SENSITIVE TO DISTURBANCE AND LOSS OF STRENGTH WHEN WET. CONDUCT THE WORK TO AVOID EXCESSIVE DISTURBANCE OF EXISTING SOILS.

3. EXISTING SOILS ARE FROST SUSCEPTIBLE. TAKE PRECAUTIONS TO PREVENT FREEZING OF SUBGRADE SOILS. DO NOT PLACE FILL ON FROZEN SUBGRADES AND DO NOT USE FROZEN MATERIAL AS FILL IR BACKFILL.

4. CONTRACT WITH A QUALIFIED GEOTECHNICAL ENGINEER TO BE ON-SITE, OBSERVE, AND CONDUCT REQUIRED TESTING FOR PILE DRIVING, SUBGRADE PREPARATION, AND FILL PLACEMENT AND BACKFILL FOR FOUNDATIONS. SUBMIT REPORTS AND TEST RESULTS TO THE OWNER.

5. BEFORE STARTING ANY VIBRATION PROCESS (PILE DRIVING, SOIL COMPACTION), CONDUCT PRECONSTRUCTION SURVEYS TO DOCUMENT CONDITION (WITH PHOTOGRAPHS) OF ADJACENT STRUCTURES, EQUIPMENT, AND UTILITIES. CONDUCT PRECONSTRUCTION SURVEYS OF STRUCTURES WITHIN A MINIMUM DISTANCE OF 0.25 TIMES THE SQUARE ROOT OF THE IMPACT HAMMER ENERGY IN FOOTPOUNDS. SUBMIT REPORT OF SURVEY, INCLUDING PHOTOGRAPHS, TO THE OWNER.

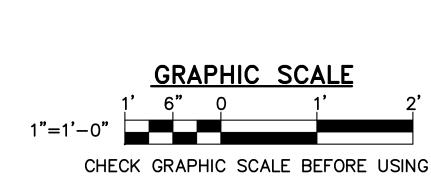
6. MONITOR GROUND COMPACTION AND SETTLEMENT DURING PILE DRIVING AND SOIL COMPACTION. ADJUST PILE DRIVING AND COMPACTION MEANS AND METHODS TO LIMIT GROUND VIBRATIONS TO TOLERABLE AMOUNTS (TYPICALLY 1.0 INCH/SECOND, UNLESS SENSITIVE STRUCTURES DICTATE A LOWER VIBRATION VELOCITY).

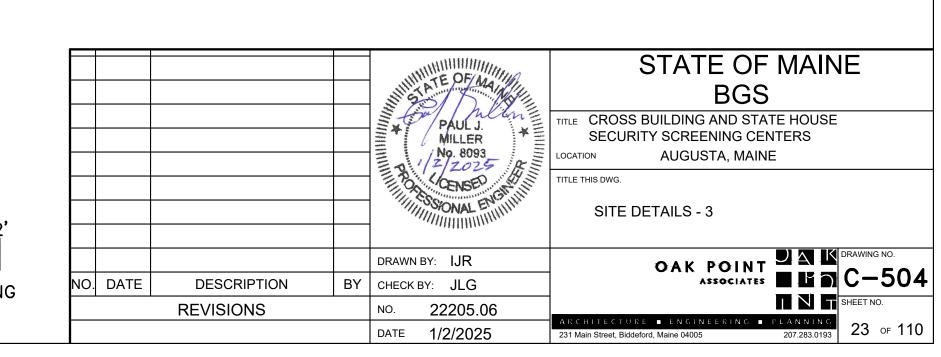
7. REMOVE EXISTING SOIL AND OBSTRUCTIONS TO MINIMUM 5-FEET BELOW THE LOWEST ADJACENT GROUND SURFACE EXPOSED TO FREEZING TEMPERATURES. USE STRCUTUREL FILL AS BACKFILL FOR PILE CAPS, GRADE BEAMS, FOUNDATIONS, AND BELOW FLOOR SLABS (FOR BUILDING AND RAISED PLAZA).

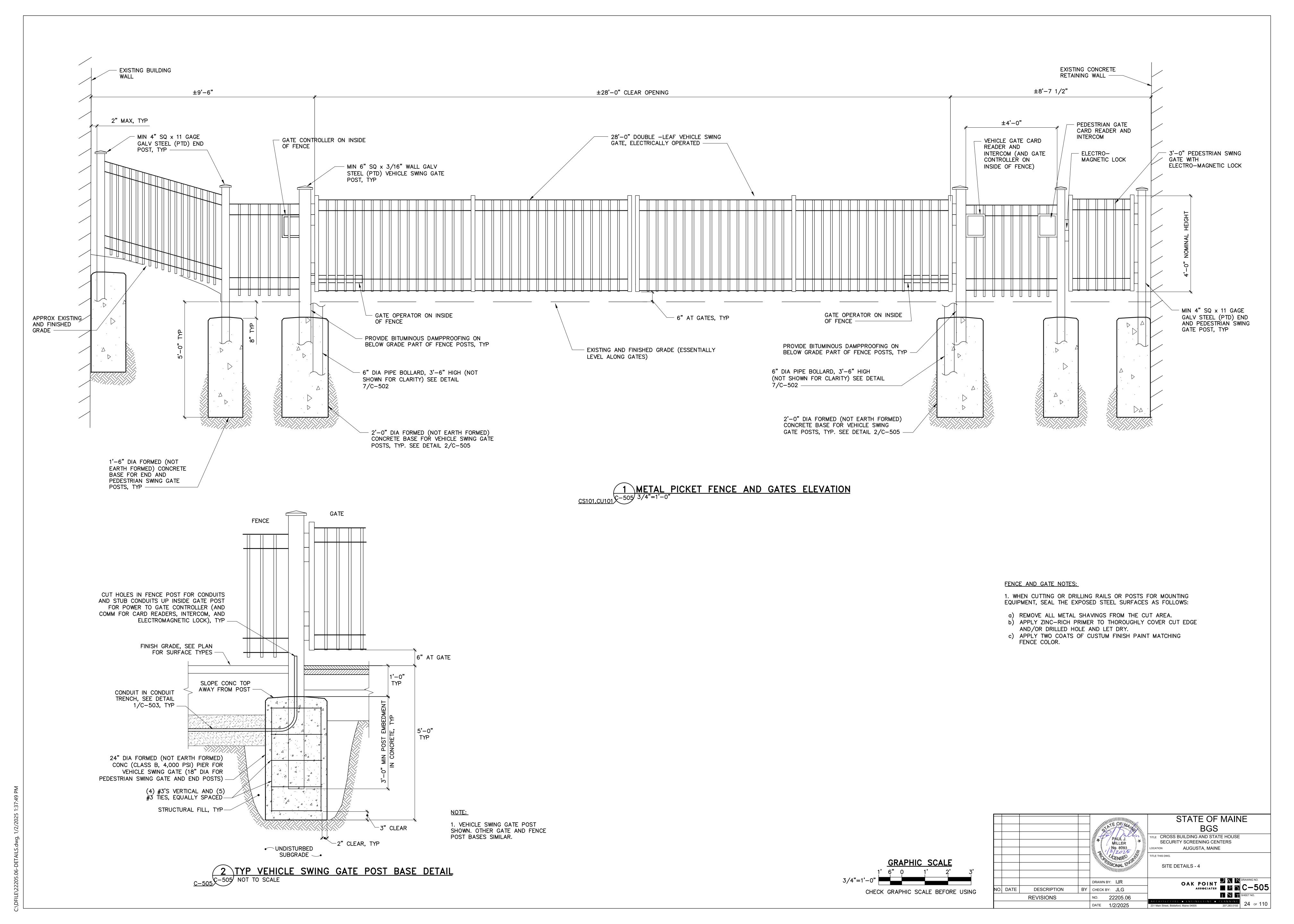
8. IN OPENS AREAS, COMPACT STRUCTURAL FILL IN LEVEL, UNIFORM LIFTS NOT EXCEEDING 12-INCHES IN UNCOMPACTED THICKNESS AND COMPACT WITH SELF PROPELLED COMPACTION EQUIPMENT. IN CONFINED AREAS AND WITHIN 5-FEET OF FOUNDATIONS WALLS, PLACE STRUCTURAL FILL IN LIFTS NOT EXCEEDING 6-INCHES IN UNCOMPACTED THICKNESS AND COMPACT WITH HAND OPERATED EQUIPMENT. COMPACT STRUCTURAL FILL TO AT LEAST 95-PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557 (MODIFIED PROCTOR).

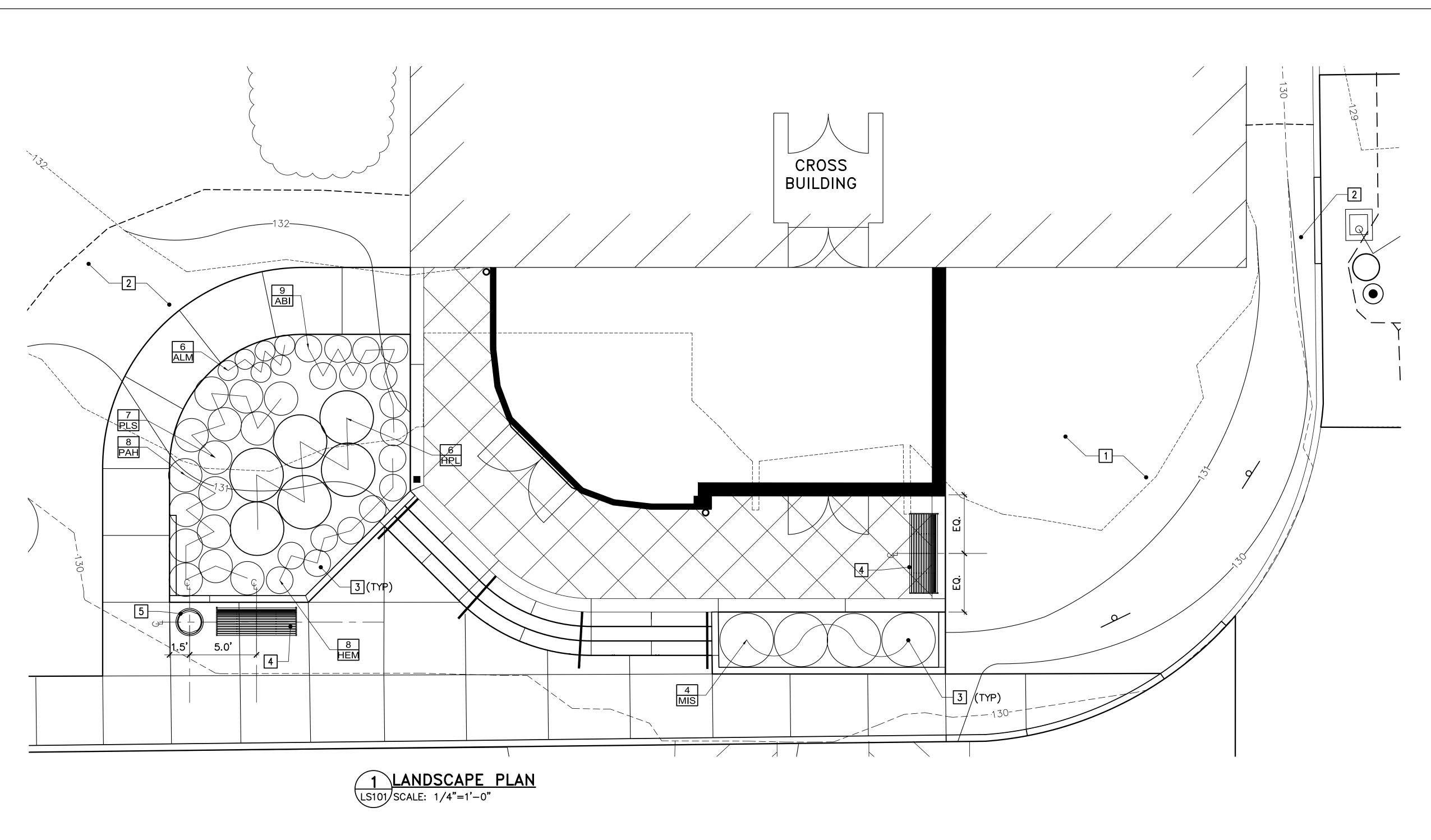
# NOTE:

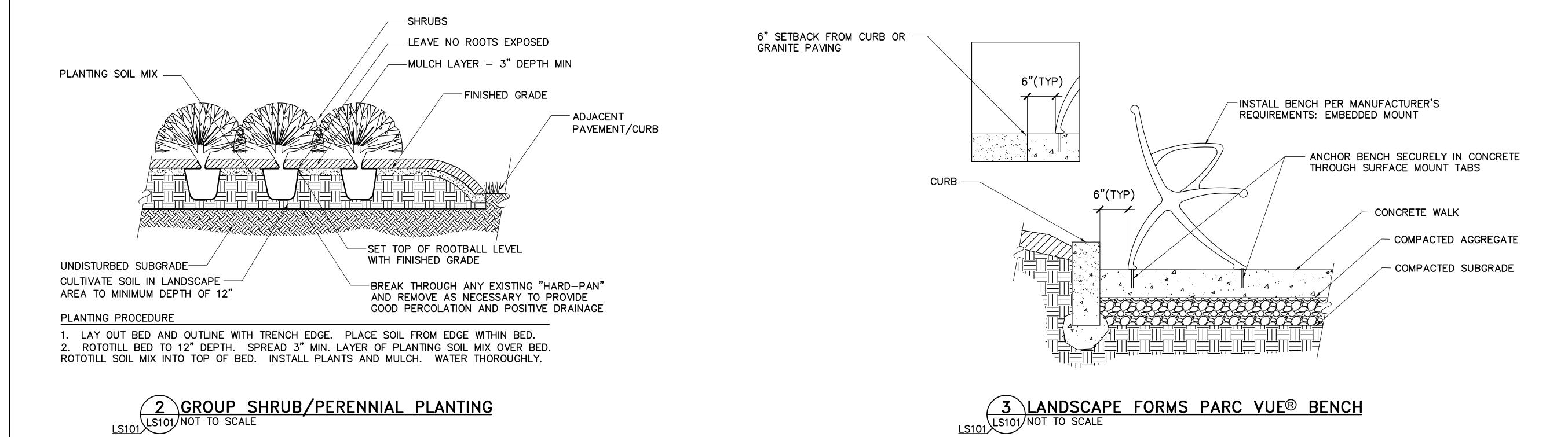
REINFORCING NOT SHOWN. REFER TO STRUCTURAL AND CIVIL DRAWINGS FOR REINFORCING AND OTHER REQUIREMENTS









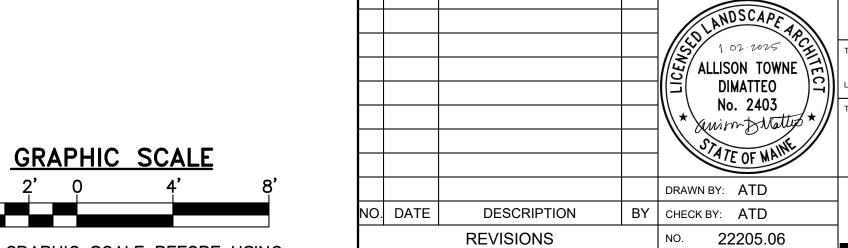


# KEYNOTES (THIS SHEET ONLY)

- 1 TURFGRASS SOD.
- TURF RESTORATION (SEED), ALL DISTURBED AREAS NOT OTHERWISE NOTED.
- 3 SHRUB AND PERENNIAL PLANTINGS. SEE DETAIL 2/LS101
- 4 BENCH. SEE DETAIL 3/LS101
- 5 TRASH RECEPTACLE.

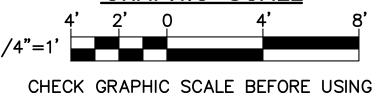
# PLANT LIST

	Symb.	Qty.	Botanical Name	Common Name	Size	Comment
SHRUBS						
	HPL	6	Hydrangea paniculata 'Little Lime'	Little Lime Panicle Hydrangea	5 gal	Dense branching; well rooted, self supporting stems
PERENNIALS						
	PAH	8	Pennisetum alopecuroides 'Hameln'	Dwarf Fountain Grass	1 gal.	Full in pot; good color
	HEM	8	Hemerocallis spp.	Daylily	2 qt.	Full in pot; good color
	ABI	9	Amsonia 'Blue Ice'	Blue Ice Starflower	2 qt.	Full in pot; good color
	MIS	4	Miscanthus 'Strictus'	Porcupine Grass	1 gal.	Full in pot; good color
	PLS	7	Perovskia 'Little Spire'	Dwarf Russian Sage	1 gal.	Full in pot; good color
	ALM	6	Achillea 'Little Moonshine'	Dwarf Yellow Yarrow	2 at	Full in not good color



DATE 1/2/2025

STATE OF MAINE TITLE CROSS BUILDING AND STATE HOUSE SECURITY SCREENING CENTERS SECURITY SCREENING CENTE LOCATION AUGUSTA, MAINE ENTRY PLAZA LANDSCAPE PLAN AND DETAILS OAK POINT DE LS101



### STRUCTURAL NOTES

### **CONCRETE**

- 1. CONFORM WITH ACI 117 (EXCEPT AS NOTED BELOW), ACI 201, ACI 211.1, ACI 301, ACI 302.1R, ACI 305R, ACI 306.1, ACI 308.1, ACI 309R, ACI 315, ACI 318, ACI 330 AND ACI 347R. CONCRETE TOLERANCES FOR FOUNDATION WALL VERTICAL, LATERAL, AND LEVEL ALIGNMENT MUST NOT EXCEED 1/2 INCH.
- CONCRETE EXPOSED TO WEATHER: NORMAL WEIGHT, F'c=4,000 PSI WITH A MAXIMUM WATER/CEMENT RATIO=0.50.
   CONCRETE FOR PILE CAPS AND GRADE BEAMS: NORMAL WEIGHT, F'c=4,000 PSI WITH A MAXIMUM WATER/CEMENT RATIO=0.50.
   CONCRETE FOR SLABS-ON-GROUND: NORMAL WEIGHT, F'c=4,500 PSI WITH A MAXIMUM WATER/CEMENT RATIO=0.50.
- 3. COMPACT THE EXISTING SUBGRADE BENEATH PILE CAPS AND GRADE BEAMS WITH 3 PASSES OF A VIBRATING PLATE COMPACTOR AND PRIOR TO CONCRETE PLACEMENT. COMPACT IN ACCORDANCE WITH THE SPECIFICATIONS.
- 4. PILE CAPS AND GRADE BEAMS MUST NOT BE PLACED ON FROZEN SUBGRADE.
- 5. PROTECT SUBGRADE FROM FREEZING PRIOR TO, DURING, AND POST FOOTING INSTALLATION UNTIL THE PROPER FROST PROTECTION IS PROVIDED VIA BACKFILL AND COMPACTION.
- 6. DEFORMED REINFORCING BARS: ASTM A615/A615M (GRADE 60).
- 7. WELDED WIRE FABRIC: ASTM A1064 (PLAIN). PROVIDE AS INDICATED.
- 8. LAP SPLICE CONCRETE REINFORCEMENT IN ACCORDANCE WITH ACI 301/ACI 318. LAP BARS AS INDICATED IN THE LAP SPLICE SCHEDULE SHEET S-002. WELDING OF STEEL REINFORCEMENT IS NOT PERMITTED.
- 9. CONTINUOUS REINFORCING MUST BE MAINTAINED THROUGH CORNERS USING EQUIVALENT CORNER BARS, WITH MINIMUM LEG DIMENSIONS TO SATISFY THE LAP SPLICE SCHEDULE ON SHEET S-002.
- 10. MINIMUM REINFORCING STEEL COVER: PILE CAPS AND BOTTOM OF GRADE BEAMS 3", SIDES OF GRADE BEAMS AND PIERS 2", UNLESS INDICATED OTHERWISE.
- 11. SUPPORT STEEL REINFORCEMENT AND WELDED WIRE FABRIC BY APPROVED MATERIALS.
- 12. SECURE ANCHOR RODS IN PLACE PRIOR TO PLACING CONCRETE. INCORRECTLY LOCATED OR OUT OF PLUMB ANCHORS MUST BE REPLACED AT NO ADDITIONAL COST TO THE OWNER. REPLACEMENT METHODS MUST BE AS DIRECTED BY THE OWNER.
- 13. CURE CONCRETE AS SPECIFIED. CONCRETE NOT CURED WILL NOT BE ACCEPTED.
- 14. NONSHRINK GROUT: ASTM C1107, NONMETALLIC.
- 15. BONDING ADHESIVE: ASTM C1059.
- 16. EPOXY GROUT: ASTM C881, TYPE IV OR V.
- 17. EPOXY ADHESIVE: ASTM C881, TYPE I
- 18. CONCRETE SLAB FINISH:

FLOOR FLATNESS AND LEVELNESS					
SLAB LOCATION	OVERALL	VALUE	MIN LOCAL VALUE		
SEAB EGGATION	F <sub>F</sub>	FL	F <sub>F</sub>	FL	
SLAB ON GRADE	35	25	24	17	

- 19. PERFORM FLATNESS/LEVELNESS TESTS WITHIN 24 HOURS OF CONCRETE PLACEMENT. SUBMIT TEST RESULTS TO THE OWNER WITHIN 24 HOURS OF TEST COMPLETION.
- 20. INTERIOR SLABS-ON-GROUND: PROVIDE CONCRETE SLAB PROTECTION (BEYOND THE 7-DAY CURING PERIOD) UNTIL THE BUILDING ENVELOPE COMPLETELY ENCLOSES AND PROTECTS THE SLAB FROM WIND, SUN AND PRECIPITATION.
- 21. OVERLAP AND TAPE SEAMS ALONG WITH TAPING PENETRATIONS IN VAPOR RETARDER IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. SEAL VAPOR RETARDER TO CONCRETE AT EDGES.

### STRUCTURAL STEEL

- 1. CONFORM WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION'S "MANUAL OF STEEL CONSTRUCTION FIFTEENTH EDITION".
- 2. STEEL FOR ROLLED SECTIONS: ASTM A992/A992M (Fy=50 KSI).
  STEEL FOR CONNECTIONS, ANGLES, PLATES AND CHANNELS: ASTM A36 (Fy=36 KSI).
  RECTANGULAR HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE C, (Fy=50 KSI).
  ROUND HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE C, (Fy=46 KSI).
  PIPE SECTIONS: ASTM A53 (Fy=35 KSI).
- 3. ANCHOR RODS: ASTM F1554, GRADE 55 (Fy=55 KSI). NUTS: ASTM A563, GRADE A.
- WASHERS: ASTM F436, TYPE 1.
  PLATE WASHERS: ASTM A36 (AT BASE PLATE OVERSIZED HOLES).
- BASE PLATE ANCHOR ROD HOLES MUST BE STANDARD IF NO PLATE WASHERS ARE USED.
- 4. STRUCTURAL BOLTS: ASTM F3125, GRADE A325, TYPE 1 OR ASTM F3125, GRADE F1852, TYPE 1.
  WASHERS: ASTM F436M, TYPE 1.
  NUTS: ASTM A563M, GRADE DH.
  BOLT HOLES: STANDARD.
- 5. WELDING: AWS D1.1 AND AWS D1.3, E70 ELECTRODE.
- 6. MINIMUM WELD IS 3/16" FILLET BY LENGTH OF CONTACT EDGE, WHERE NOT SPECIFICALLY
- 7. GRIND EXPOSED WELDS SMOOTH. ORIENT SEAMS OF EXPOSED HSS MEMBERS AWAY FROM VIEW.
- 8. MOMENT CONNECTIONS ARE INDICATED ON SHEET SF501.
- 9. FULLY TENSION BOLTS.
- 10. TEST AND INSPECT FIELD—BOLTED CONNECTIONS ACCORDING TO RCSC'S "LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".
- 11. SUBMIT INSPECTION REPORTS TO THE OWNER WITHIN 48 HOURS OF COMPLETION. SUBMIT WELDING INSPECTION REPORTS TO THE OWNER WITHIN 48 HOURS OF COMPLETION.
- 12. ALL STEEL WHICH IS NOT GALVANIZED MUST HAVE MINIMUM ONE COAT OF SHOP PRIMER.

### STEEL JOISTS

- 1. CONFORM TO THE REQUIREMENTS OF THE STEEL JOIST INSTITUTE (SJI) STANDARD SPECIFICATIONS AND INSTALLATION REQUIREMENTS. ERECT STEEL JOISTS IN ACCORDANCE WITH SJI PRINTED INSTRUCTIONS.
- 2. PROVIDE A ROW OF HORIZONTAL UPLIFT BRIDGING AT THE FIRST CHORD PANEL POINT EACH END OF ALL ROOF JOISTS.
- 3. DESIGN ROOF JOISTS FOR A NET WIND UPLIFT USING DEAD LOADS INDICATED ON SHEET S-002 AND COMPONENTS CLADDING PRESSURE INDICATED ON SHEET S-002.

### STEEL DECK

- 1. STEEL DECKS: AISI SG03-3 AND STEEL DECK INSTITUTE "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS". DECK UNITS ASTM A653/A653 SQ, GRADE 40, COATING G90 FOR ASTM A653/A653M. FASTEN ROOF DECK WITH 5/8" PUDDLE WELDS ON A 36/4 PATTERN WITH (2) 5/8" PUDDLE WELDS PER SPAN (SIDE LAP CONNECTION).
  - STEEL ROOF DECK = NON-CELLULAR, GRADE 40.

    MINIMUM DEPTH = 1-1/2" (MINIMUM DESIGN THICKNESS: 0.0358 IN (20 GAUGE)), GALV G90.

    MINIMUM SECTION MODULUS =  $Sx = 0.23 \text{ IN}^3$ MINIMUM MOMENT OF INERTIA =  $Ix = 0.20 \text{ IN}^4$

# STEEL PILES

- 1. STEEL FOR ROLLED H-PILE SECTIONS: ASTM A572 (Fy=50 KSI).
- 2. PILE POINTS: ASTM A27 CAST STEEL POINTS.
- 3. PILE SPLICES: ASTM A572 (Fy=50 KSI).
- 4. APPROXIMATE PILE DEPTH BELOW GRADE IS EXPECTED TO AVERAGE 25'± BASE ON EXISTING BUILDING STRUCTURAL DRAWINGS AND GEOTECHNICAL INVESTIGATIONS. ACTUAL DEPTHS TO BE DETERMINED IN FIELD.

### COLD-FORMED STEEL

- COLD-FORMED METAL FRAMING AND CONNECTIONS: GALVANIZED STEEL ASTM A653/A653M.
   GRADE 33 FOR TRACKS (Fy=33 KSI) G60 COATING. GRADE 50 FOR STUDS (Fy=50 KSI) G60 COATING.
- 2. SECTION PROPERTIES FOR WALL STUDS, TRACKS, HEADERS, AND SOFFIT FRAMING MUST BE AS REQUIRED BY STRUCTURAL PERFORMANCE.
- 3. MINIMUM SECTION PROPERTIES OF 600 S 162-43 STUD WALLS:

  MINIMUM AREA (Ag) = 0.447 IN<sup>2</sup>

  MINIMUM SECTION MODULUS (Sx) = 0.70 IN<sup>3</sup>

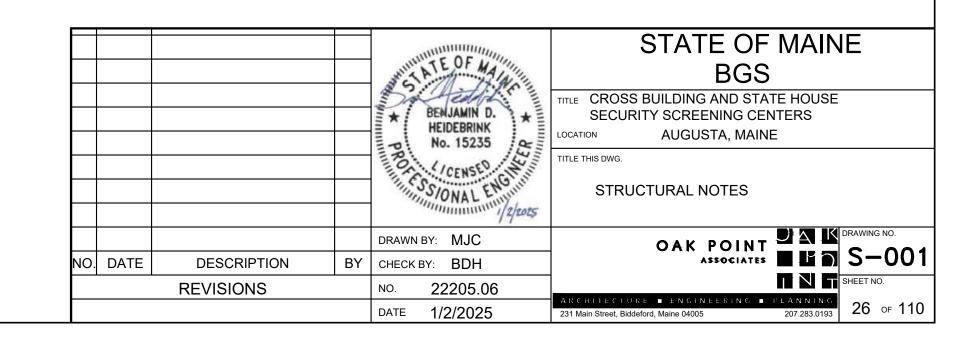
  MINIMUM MOMENT OF INTERTIA (Ix) = 2.32 IN<sup>4</sup>

  FINAL SIZING SHALL BE SPECIFIED BY DELEGATED DESIGN ENGINEER.
- 4. TRACKS TO MATCH WALL STUD GAUGE.
- 5. DESIGN COLD—FORMED METAL CONNECTIONS IN ACCORDANCE WITH THE LATEST REVISION OF AISI'S "DESIGN OF COLD—FORMED STEEL STRUCTURAL MEMBERS" FOR THE REACTIONS REQUIRED. DESIGN WALLS FOR THE COMPONENT AND CLADDING WIND PRESSURE FOR THE VELOCITY EXPOSURE AND IMPORTANCE FACTOR INDICATED.
- 6. LIMIT MAXIMUM PERMITTED WIND LOAD DEFLECTION OF EXTERIOR WALLS TO L/360 AT METAL PANEL SYSTEM AND L/600 AT MASONRY VENEER.
- 7. EXTERIOR WALL DEFLECTION TRACK MUST ALLOW FOR 1" OF DEFLECTION AT THE ROOF LEVEL.
- 8. PREPARE DESIGN CALCULATIONS AND SHOP DRAWINGS BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MAINE AND SUBMIT FOR REVIEW PRIOR TO CONSTRUCTION OF FRAMING.
- 9. PNEUMATIC FASTENING OF COLD-FORMED FRAMING IS NOT PERMITTED.
- 10. PROVIDE COLD—FORMED BLOCKING AT LOCATIONS OF GRANITE VENEER ANCHORAGE.
- 11. PREPARE DESIGN CALCULATIONS AND SHOP DRAWINGS BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MAINE, FOR GRANITE VENEER ANCHORAGE AND PLACEMENT, PRIOR TO CONSTRUCTION OF GRANITE VENEER.

### POST INSTALLED ANCHORS

- 1. PROVIDE POST INSTALLED ANCHORS IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS. BASIS OF DESIGN PRODUCT IS THE HILTI HIT—HY200 EPOXY GROUT WHEN ANCHORING INTO CONCRETE AND GRANITE VENEER, AND HILTI HIT—HY270 WHEN ANCHORING INTO BRICK. ANCHORS AND EPOXY GROUT FROM OTHER MANUFACTURERS ARE ACCEPTABLE PROVIDED THEY MEET OR EXCEED INDICATED LOAD CAPACITIES BELOW.
- 2. 5/8" DIAMETER EPOXY GROUTED RODS MUST HAVE THE FOLLOWING MINIMUM ALLOWABLE CAPACITIES:

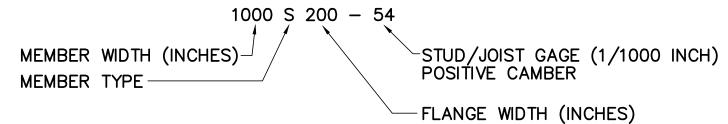
  a. SHEAR = 2,000 LBS
  b. TENSION = 1.800 LBS



### STRUCTURAL GENERAL NOTES

- 1. FIELD VERIFY DIMENSIONS AND ELEVATIONS OF STRUCTURAL STEEL MEMBERS PRIOR TO FABRICATION OF ANY MEMBERS. REPORT DISCREPANCIES TO THE OWNER PRIOR TO FABRICATION OF MEMBERS.
- 2. PROVIDE TEMPORARY SUPPORT OF FRAMING AND SUPPORTED BUILDING COMPONENTS DURING CONSTRUCTION TO PREVENT FAILURE AND DAMAGE.
- 3. COORDINATE THE LOCATION OF CONCRETE AND STEEL MEMBERS WITH ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, FIRE PROTECTION, SECURITY, COMMUNICATIONS, AND ELECTRICAL PLANS AND DETAILS.
- 4. ALL REQUIRED TESTS AND INSPECTIONS ARE TO BE COMPLETED AND SUBMITTED TO THE OWNER PRIOR TO ACCEPTANCE OF COMPLETED WORK. ANY MATERIAL PLACED WITHOUT THE REQUIRED CONTRACTOR QUALITY CONTROL TESTS OR REQUIRED INSPECTIONS BEING PERFORMED WILL NOT BE ACCEPTED.
- 5. CONSTRUCTION IS SUBJECT TO SPECIAL INSPECTIONS BY THE OWNER IN ACCORDANCE WITH CHAPTER 17 OF IBC 2018. THE CONTRACTOR WILL BE NOTIFIED OF DEFICIENCIES. NOTIFY THE OWNER AFTER DEFICIENCIES HAVE BEEN CORRECTED.
- 6. NO DEVIATIONS IN CONTRACT DRAWINGS ARE PERMITTED.
- 7. PROVIDE BRACING FOR EACH PIECE OF FREE STANDING OR HANGING MECHANICAL AND ELECTRICAL EQUIPMENT IN ACCORDANCE WITH SPECIFICATION SECTIONS 13 48 00, 22 05 48.00 20, AND 26 05 48.00 10. SUBMIT BRACING DETAILS TO THE OWNER FOR APPROVAL PRIOR TO FABRICATION.
- 8. REFER TO CIVIL DRAWINGS REGARDING INFORMATION AND LIMITATIONS PERTINENT TO SITE SUBSURFACE SOIL CONDITIONS.
- 9. IN THE EVENT OF AN INADVERTENT DISCOVERY OF POTENTIAL ARCHAEOLOGICAL RESOURCES, WORK MUST CEASE AND THE OWNERS REPRESENTATIVE MUST BE NOTIFIED. WORK MUST NOT RESUME UNTIL DIRECTED BY THE OWNERS REPRESENTATIVE.

# COLD-FORMED STEEL LEGEND



REINFORCING STEEL LAP SPLICE SCHEDULE					
BAR SIZE	MINIMUM LAP LENGTH				
#4	2'-5"				
#5	3'-0"				
#6	3'-0"				
#7	3'-11"				
#8	4'-7"				
#9	5'-2"				
NOTES:  1. LAP SPLICE LENGTH SHALL BE AS SHOWN ABOVE UNLESS NOTED OTHERWISE.					

2. INCREASE SPLICE LENGTH BY 1.3 FACTOR FOR HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF FRESH CONRETE

CAST BELOW.

STRU(	CTURAL ABBREVIATIONS
±	PLUS OR MINUS
<i>\( \( \)</i>	ANGLE
ACI AFF	AMERICAN CONCRETE INSTITUTE ABOVE FINISH FLOOR
AISI	
ALT	ALTERNATE
	ALUMINUM ARCHITECTURAL
	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING
ATFP	AND MATERIALS ANTITERRORISM FORCE PROTECTION
AWS	AMERICAN WELDING SOCIETY
BBP	BEAM BEARING PLATE
BFE BLDG	BOTTOM OF FOOTING ELEVATION BUILDING
BP	BASE PLATE
BSE	BRICK/BLOCK SHELF ELEVATION
BWE CFS	BOTTOM OF WALL ELEVATION COLD-FORMED STEEL
ÇJ	CONTROL JOINT
Q OLO	CENTERLINE
CLG COL	CEILING COLUMN
	CONCRETE
	CONNECTION
CONT CP	CONTINUOUS CAP PLATE
DIA	DIAMETER
DWG	DRAWING
EA EJ	EACH EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	•
EOD EQ	EDGE OF DECK EQUAL
EQUIP	•
EW	EACH WAY
EXIST EXP	
EXT	EXTERIOR
F'c	
F'm FND	
FTG	FOOTING
Fy	YIELD STRESS GAUGE
GA GALV	GALVANIZED
GYP BD	GYPSUM BOARD
HGT HORIZ	HEIGHT HORIZONTAL
HSS	
IBC	INTERNATIONAL BUILDING CODE
IN INSUL	INCH INSULATION
INV	INVERT
K	KIPS
KSI LBS	KIPS PER SQUARE INCH POUNDS
LFH	LONG FACE HORIZONTAL
LLV	LONG LEG VERTICAL
LP LT	LONG POINT LIGHT
LW	LONG WAY
MAX	MAXIMUM MOMENT CONNECTION
MC MECH	MOMENT CONNECTION MECHANICAL
MFR	MANUFACTURER
MIN MO	MINIMUM MASONRY OPENING
MPH	MILES PER HOUR
MTL	METAL
#, NO OC	NUMBER ON CENTER
OPNG	OPENING
PCF	POUNDS PER CUBIC FOOT
PSF PSI	POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH
RCSC	RESEARCH COUNCIL ON
DEINIE	STRUCTURAL CONNECTIONS
REINF REQ'D	REINFORCED REQUIRED
SAT	SUSPENDED ACOUSTICAL TILE
SIM	SIMILAR STEEL JOIST INSTITUTE
SJI SLV	STEEL JOIST INSTITUTE SHORT LEG VERTICAL
SS	STAINLESS STEEL
STL	STEEL SHORT WAY
SW TBD	SHORT WAY TO BE DETERMINED
TJE	TOP OF JOIST ELEVATION
TMS TOS	THE MASONRY SOCIETY TOP OF STEEL

TYPICAL

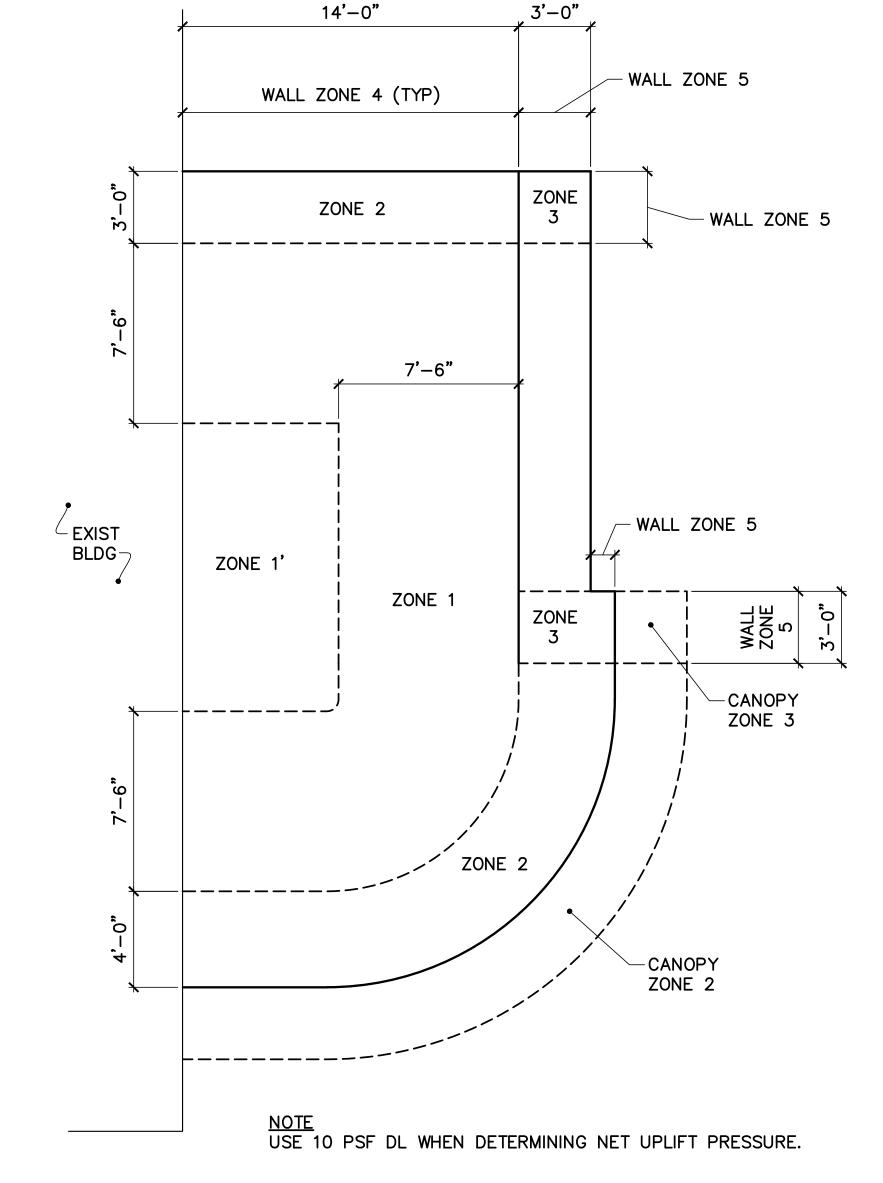
VERTICAL WITH **WEIGHT** 

TOP OF PIER ELEVATION TOP OF WALL ELEVATION

WELDED WIRE FABRIC

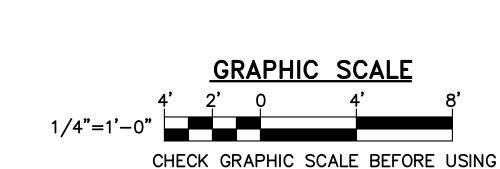
UNIFIED FACILITIES CRITERIA

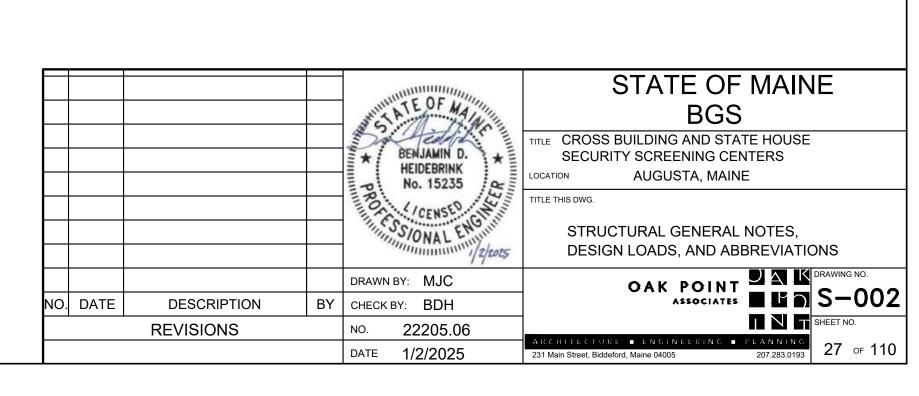
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BUILDING DESIGN LOADS
   ROOF SNOW LOAD (ROOF LIVE LOAD) ASCE 7-10/IBC 2015
   GROUND SNOW LOAD (Pg) = 80 PSF
   SNOW EXPOSURE FACTOR (Ce) = 1.1
   SNOW LOAD ROOF SLOPE FACTOR (Cs) = 1.0
   SNOW LOAD THERMAL FACTOR (Ct) = 1.0, 1.2 AT CANOPY
   BALANCED ROOF SNOW LOAD (Pf) = 62 PSF
   SNOW DRIFTING ON MAIN BUILDING ROOF (Pd) = 92 PSF
   SNOW DRIFTING ON SMALL CANOPY ROOF WHERE MINIMUM 15 FEET AWAY FROM EXISTING BUILDING (Pd) = 49 PSF
   SNOW LOAD IMPORTANCE FACTOR (I) = 1.0
   ROOF DEAD LOAD = 29 \text{ PSF}
   ROOF LIVE LOAD = 20 \text{ PSF}
   CONSTRUCTION LIVE LOAD = 20 \text{ PSF}
   FLOOR LIVE LOAD:
    LOBBY AND 1ST FLOOR CORRIDORS = 100 PSF
   WIND LOAD ASCE 7-10/IBC 2015
   BASIC WIND SPEED = 110 MPH
   WIND LOAD RISK CATEGORY = II
   WIND EXPOSURE = EXPOSURE C
   BUILDING TYPE = "ENCLOSED"
   WIND DESIGN PRESSURE:
    MAIN WIND FORCE RESISTING SYSTEM = 27 PSF
     (MAXIMUM PRESSURE)
   COMPONENT AND CLADDING DESIGN PRESSURE (a=3 FT)
   WALL: ZONE 4 = -33 PSF
        ZONE 5 = -39 PSF
   ROOF: ZONE 1 = -40 PSF AND +21 PSF
        ZONE 1' = -28 PSF AND +21 PSF
        ZONE 2 = -53 PSF AND +21 PSF
        ZONE 3 = -64 PSF AND +21 PSF
   CANOPY: ZONE 2 = -48 PSF AND +21 PSF
           ZONE 3 = -60 PSF AND +21 PSF
   WINDOWS AND DOORS = 39 PSF
   SEISMIC DESIGN DATA ASCE ASCE 7-10/IBC 2015
   SHORT PERIOD SPECTRAL RESPONSE ACCELERATION (Ss) = 0.23
   ONE SECOND SPECTRAL RESPONSE ACCELERATION (S_1) = 0.079
   SEISMIC RISK CATEGORY = II
   SEISMIC DESIGN CATEGORY = B
   SEISMIC IMPORTANCE FACTOR = 1.0
   SITE CLASS = D
   TOTAL BASE SHEAR = 3 KIPS
   BASIC STRUCTURAL SYSTEM
      STEEL MOMENT FRAMES NOT DETAILED
      RESPONSE MODIFICATION COEFFICIENT (R) = 3.00
      DEFLECTION AMPLIFICATION FACTOR (Cd) = 3.00
      SYSTEM OVER STRENGTH FACTOR (\Omega \circ) = 3.00
   ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE
   FOUNDATIONS SUPPORTED BY MIN 20 TON CAPACITY DRIVEN STEEL PILES
   NOTES:
1. SEISMIC LOAD RESISTING SYSTEM CONSISTS OF THE FOLLOWING:
   A. VERTICAL ELEMENTS - STEEL MOMENT FRAMES NOT DETAILED.
   B. HORIZONTAL ELEMENTS - STEEL ROOF DECK DIAPHRAGM.
   C. COLLECTOR ELEMENTS - CONSIST OF STRUCTURAL STEEL BEAMS INDICATED ON ROOF FRAMING PLAN
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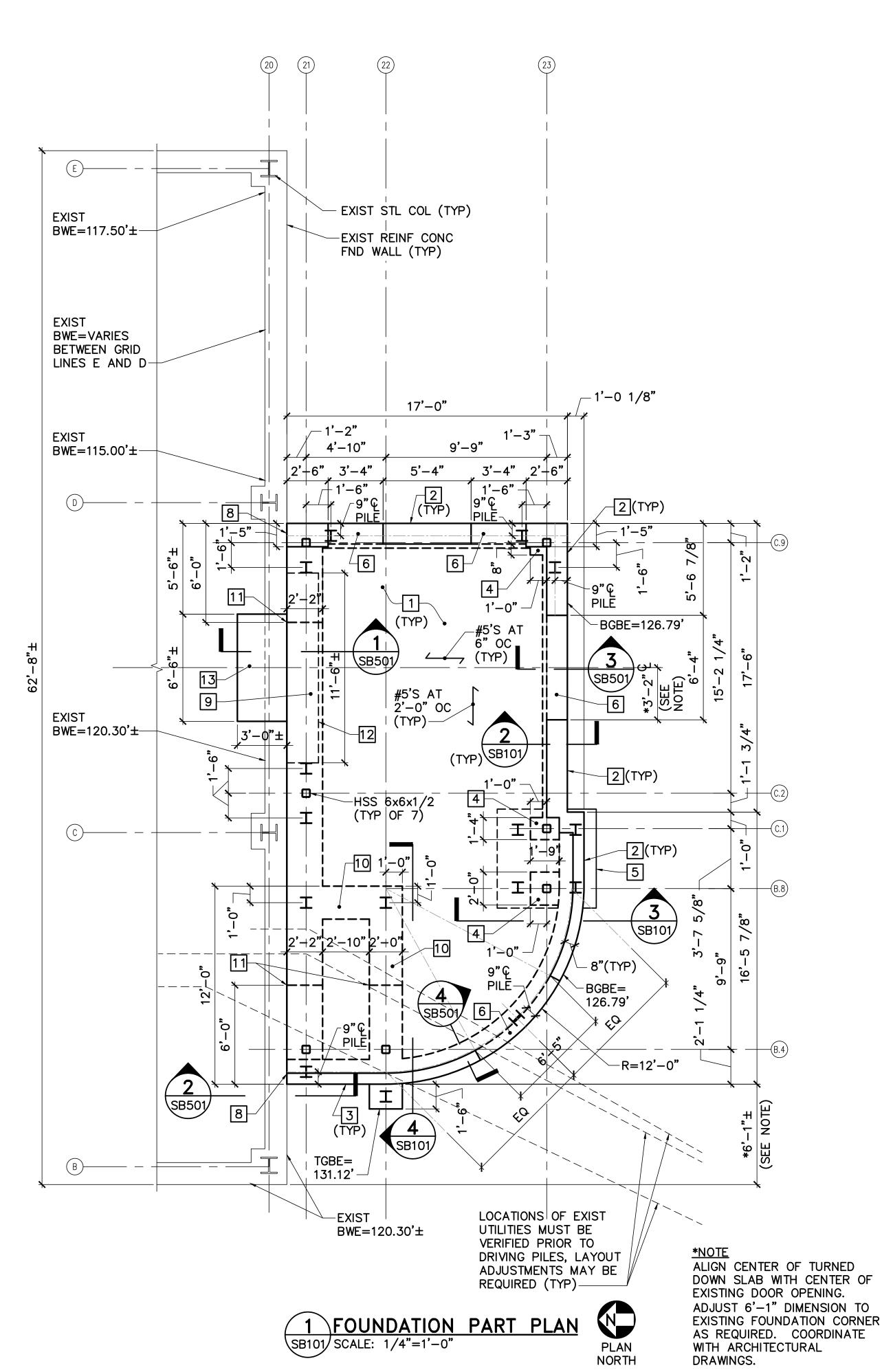


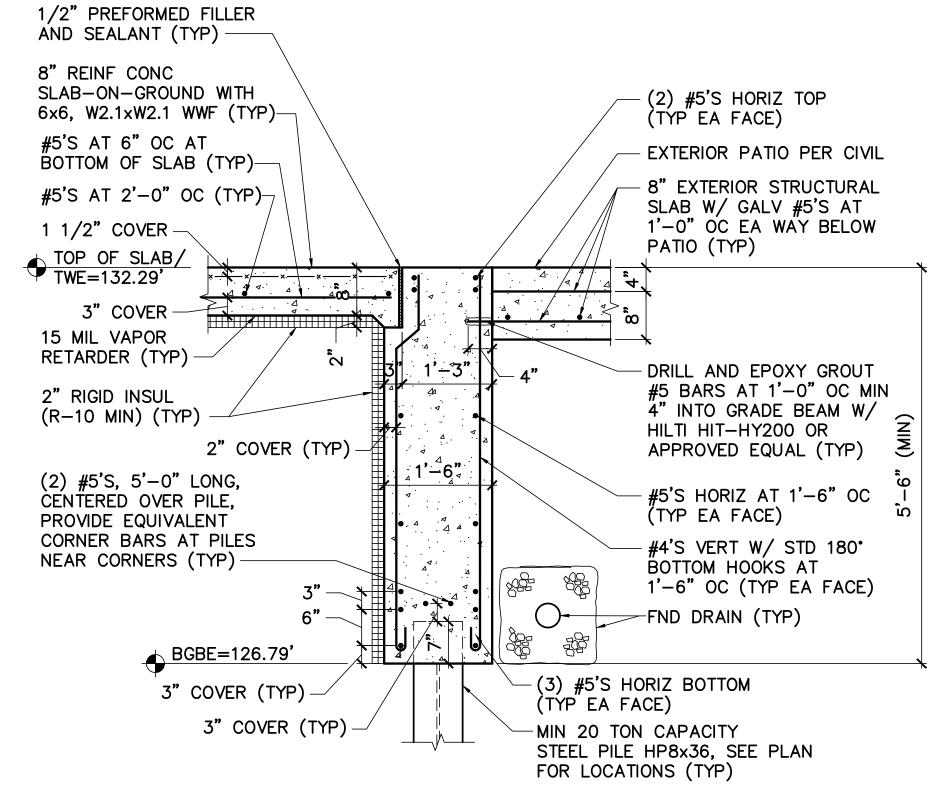
1 COMPONENT AND CLADDING WIND PRESSURE ZONE DIAGRAM S-002 SCALE: 1/4"=1'-0"



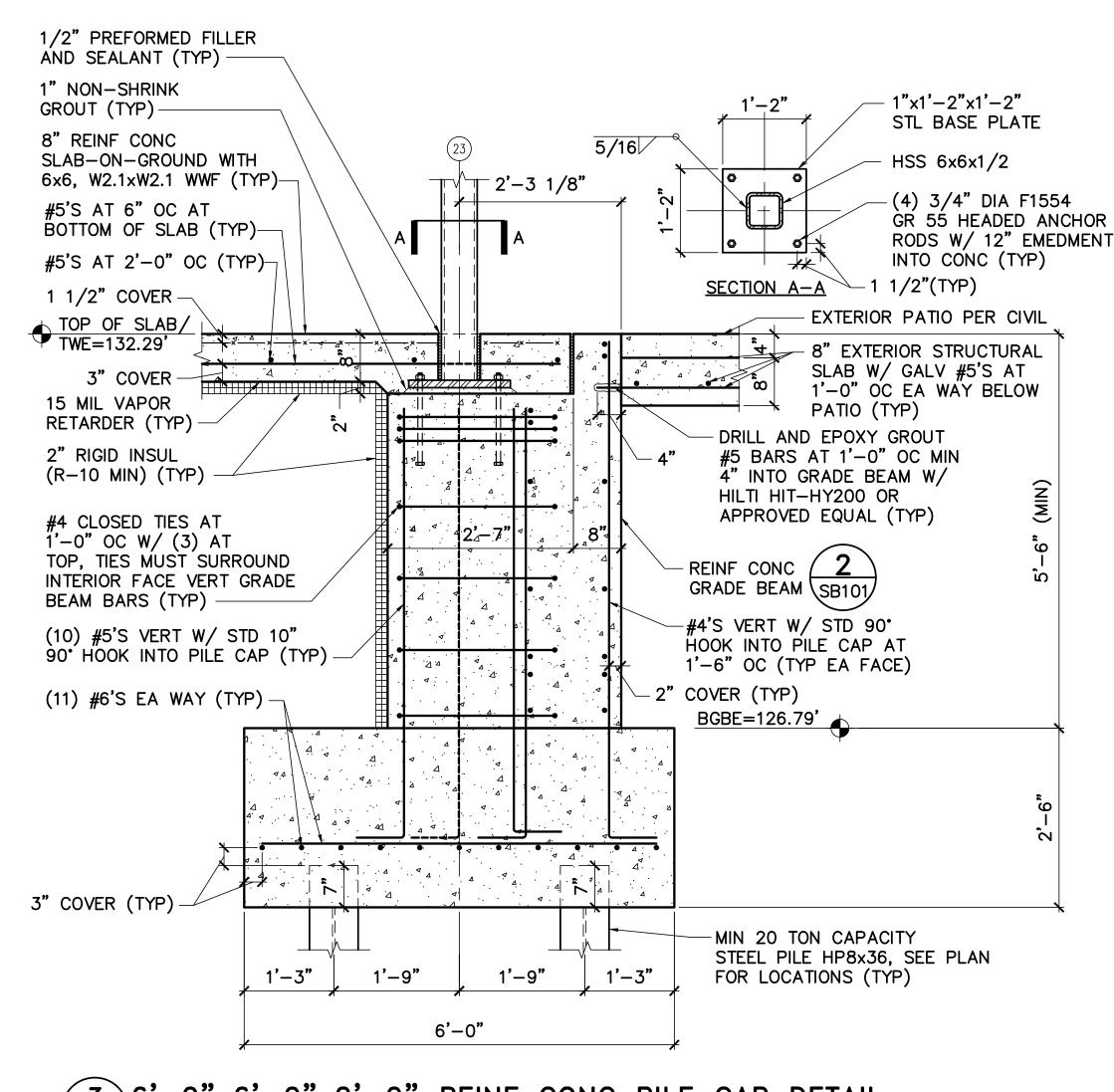




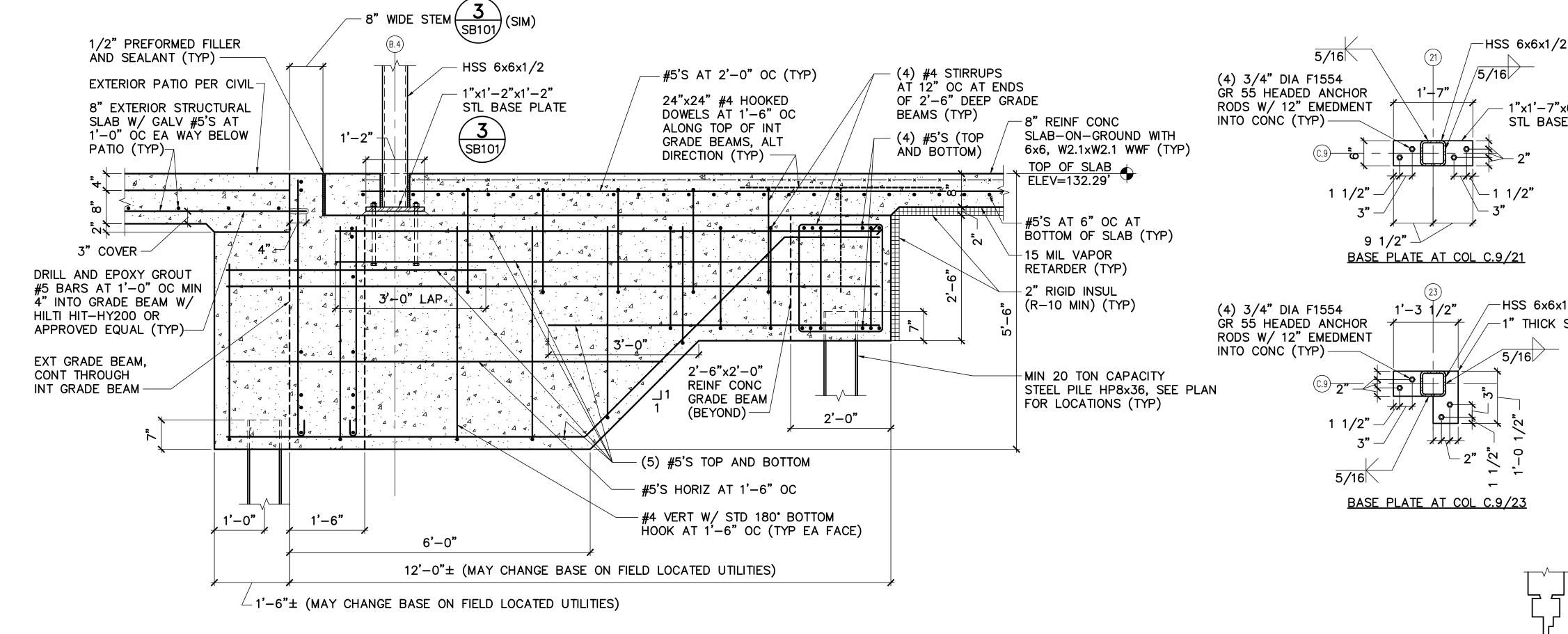




2 TYP 1'-6" REINF CONC GRADE BEAM DETAIL SB101/ SCALE: 3/4"=1'-0"



3 6'-0"x6'-0"x2'-0" REINF CONC PILE CAP DETAIL SB101/ SCALE: 3/4"=1'-0"

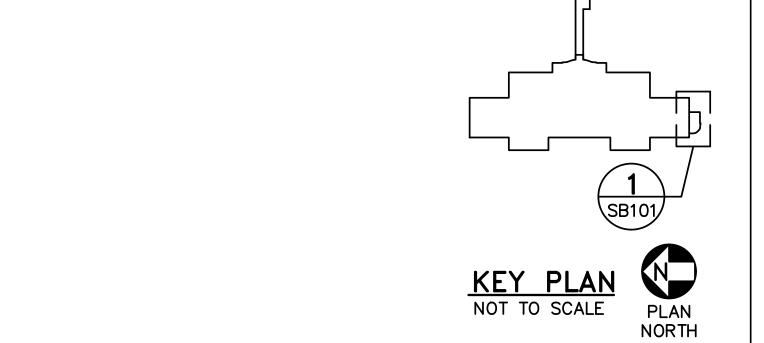


KEYNOTES (THIS SHEET ONLY)

- 8" REINFORCED CONCRETE SLAB-ON-GROUND. TOP OF SLAB ELEVATION = 132.29'.
- 1'-6" REINFORCED CONCRETE FOUNDATION GRADE BEAM. REFER TO DETAIL 2/SB101.
- 3 1'-6" REINFORCED CONCRETE FOUNDATION GRADE BEAM AT CURTAINWALL. REFER TO DETAIL 4/SB501.
- 4 REINFORCED CONCRETE PIER. TOP OF PIER ELEVATION = 131.46'.
- $\begin{bmatrix} 5 \end{bmatrix}$  6'-0"x6'-0"x2'-6" REINFORCED CONCRETE PILE CAP.
- TURNED DOWN SLAB. REFER TO DETAIL 3/SB501.
- 7 NOT USED.
- 8 PIN NEW FOUNDATION WALL AND FOOTING TO EXISTING. REFER TO DETAIL 2/SB501.
- 9 2'-2" WIDE x 2'-6" DEEP INTERIOR GRADE BEAM. TOP OF GRADE BEAM ELEVATION = 131.46'.
- 2'-0" WIDE x 2'-6" DEEP INTERIOR GRADE BEAM. TOP OF GRADE BEAM ELEVATION = 131.46'.
- STEP IN GRADE BEAM. SLOPE BOTTOM OF GRADE BEAM TO 5'-6" BELOW SLAB AT STEP.

- REMOVE EXISTING GRANITE STEP AND CANTILEVERED PORTION OF EXISTING CAST IN PLACE FOUNDATION WALL. REFER TO DETAIL
- 10"± THICK REINFORCED INFILL SLAB IN PLACE OF REMOVED GRANITE STEP.

4 REINF CONC GRADE BEAM/PILE CAP DETAIL
SB101 SCALE: 3/4"=1'-0"

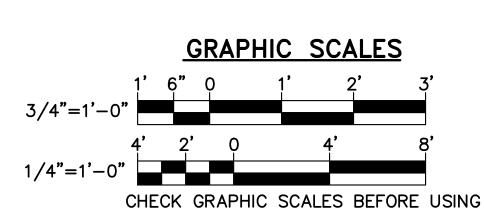


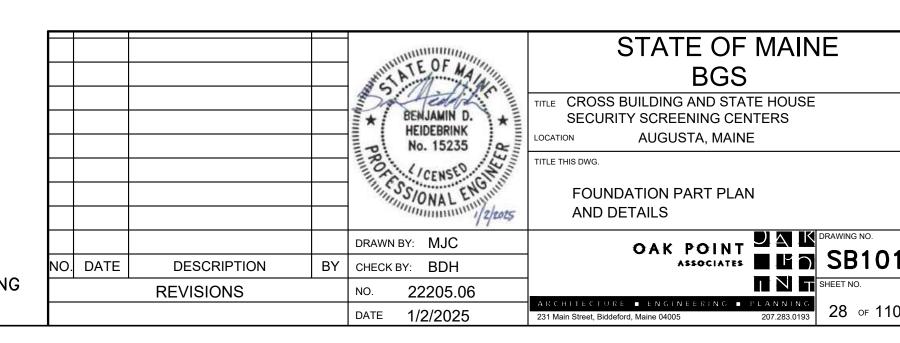
-1"x1'-7"x6"

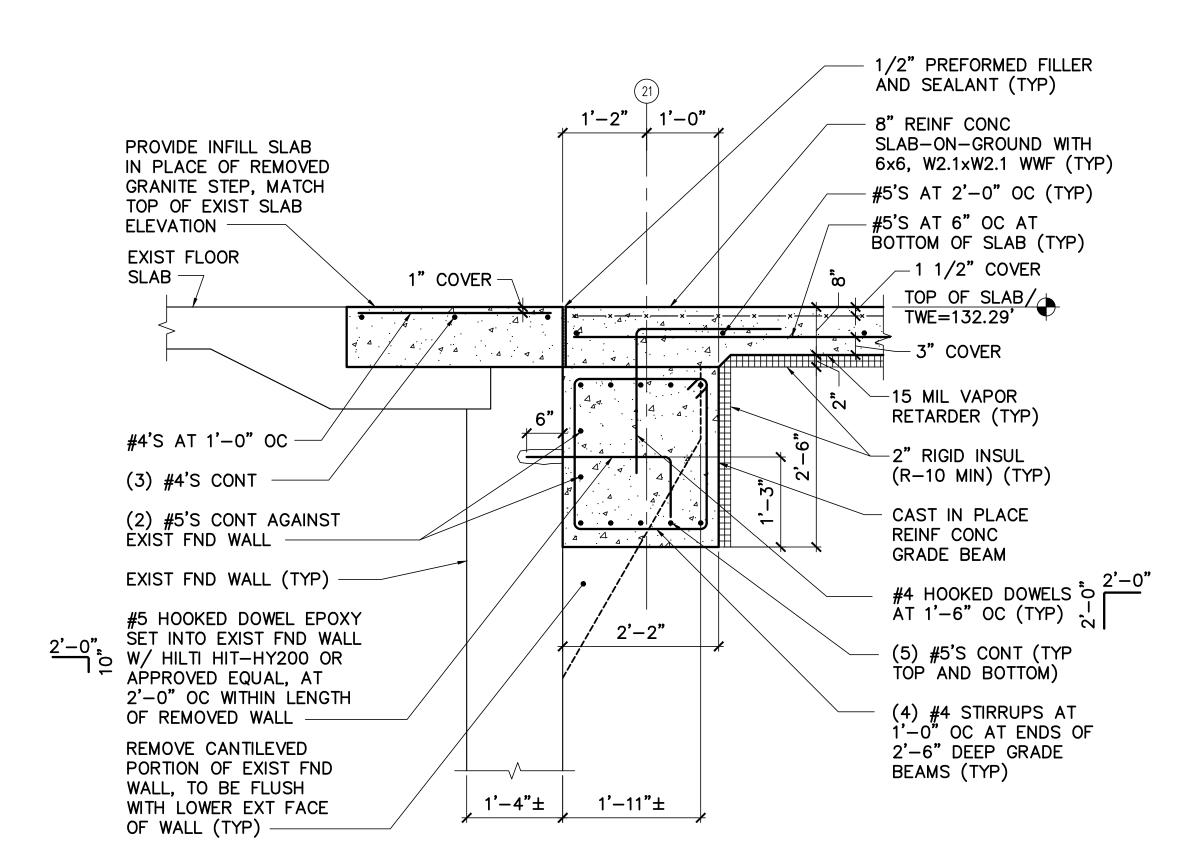
—HSS 6x6x1/2

-1" THICK STL PLATE

STL BASE PLATE

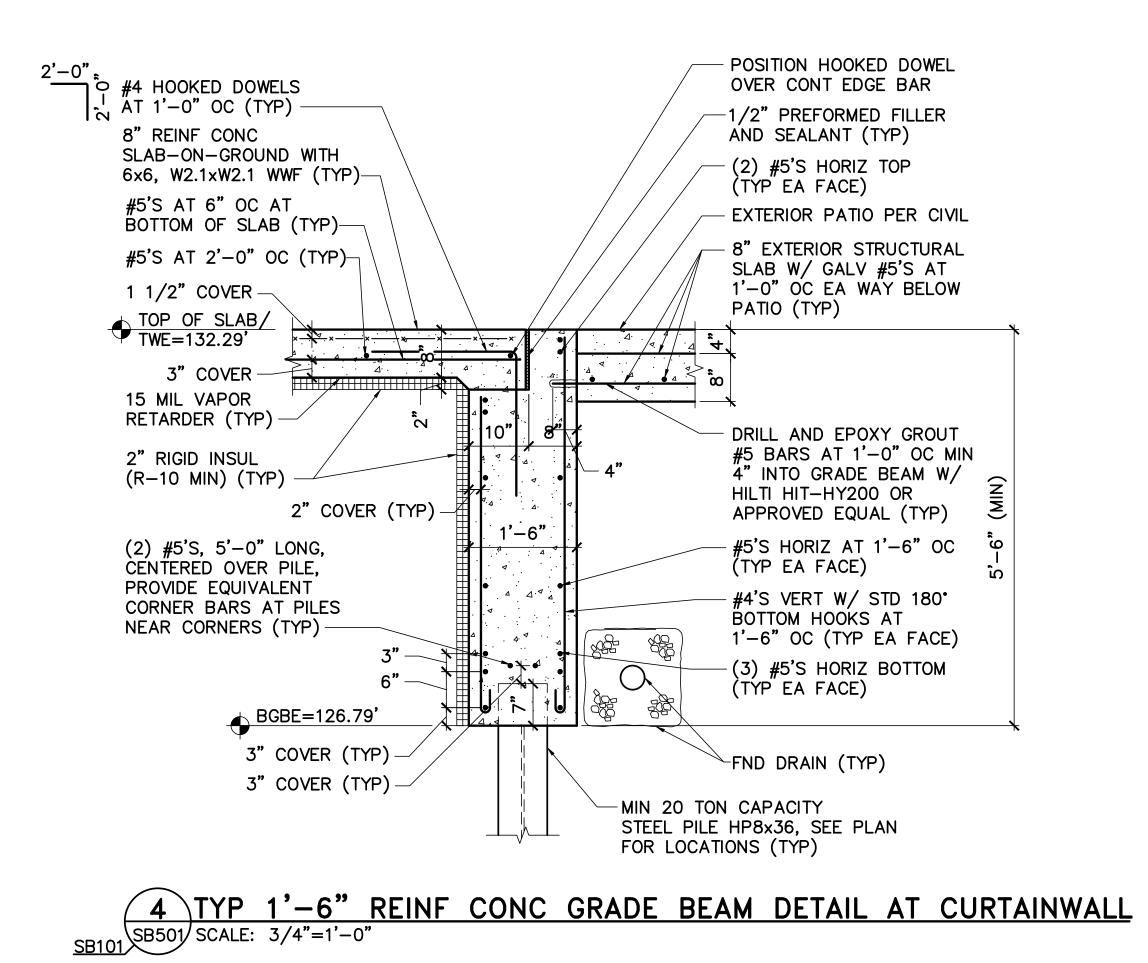






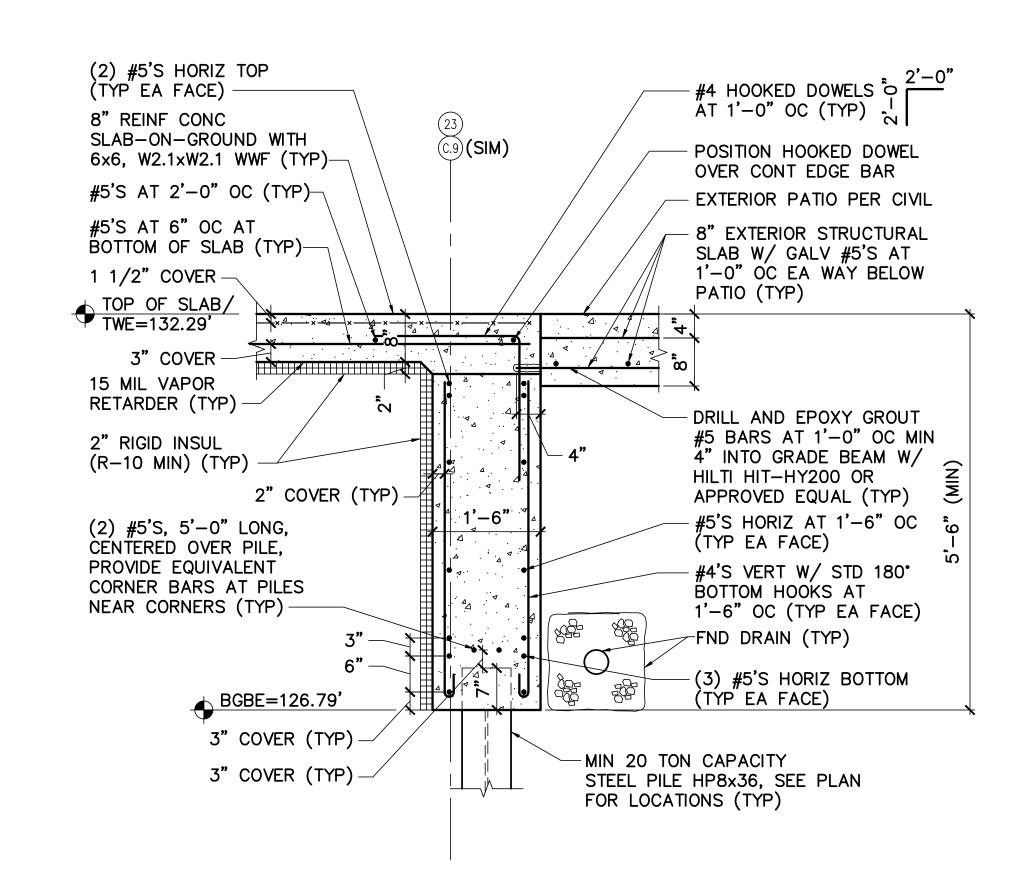
1 REINF CONC GRADE BEAM DETAIL AT REMOVED GRANITE STEP

SB101 SCALE: 3/4"=1'-0"

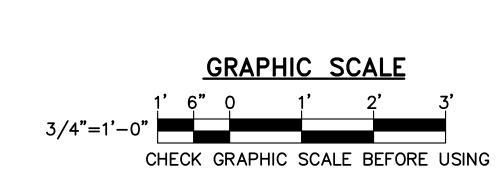


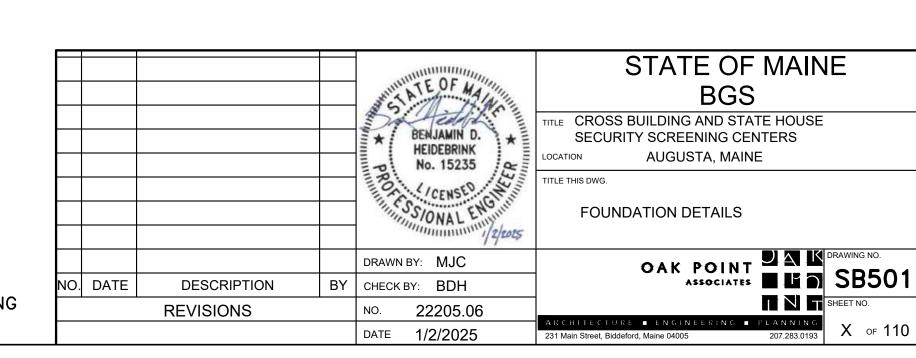
HSS 6x6x1/2 COL (BEYOND) REINF CONC SLAB AND GRADE BEAM (BEYOND) EXIST FLOOR SLAB -TOP OF SLAB/
TWE=132.29' - GRADE BEAM REINF NOT SHOWN FOR CLARITY EXIST FND WALL (TYP) - #5 DOWELS, 3'-0" LONG, EPOXY SET 6" INTO EXIST FND WALL WITH HILTI HIT-HY200 OR APPROVED EQUAL, AT 1'-6" OC EA FACE OF GRADE BEAM (TYP) —EXT GRADE BEAM (TYP) MIN 20 TON CAPACITY STEEL PILE HP8x36, SEE PLAN 1'-4"± FOR LOCATIONS (TYP)

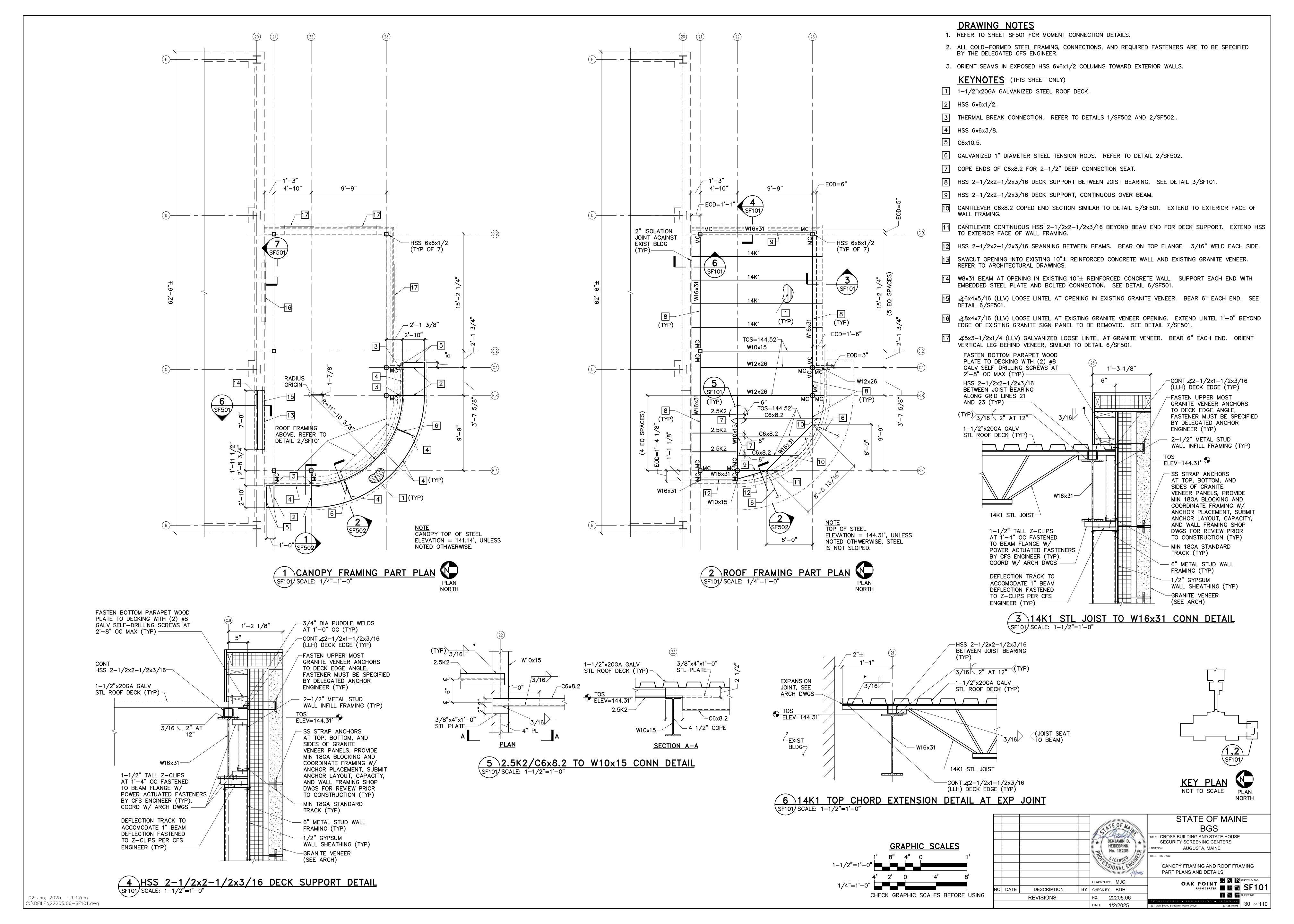
2 REINF CONC GRADE BEAM TO EXIST FND WALL CONN DETAIL
SB101 SCALE: 3/4"=1'-0"

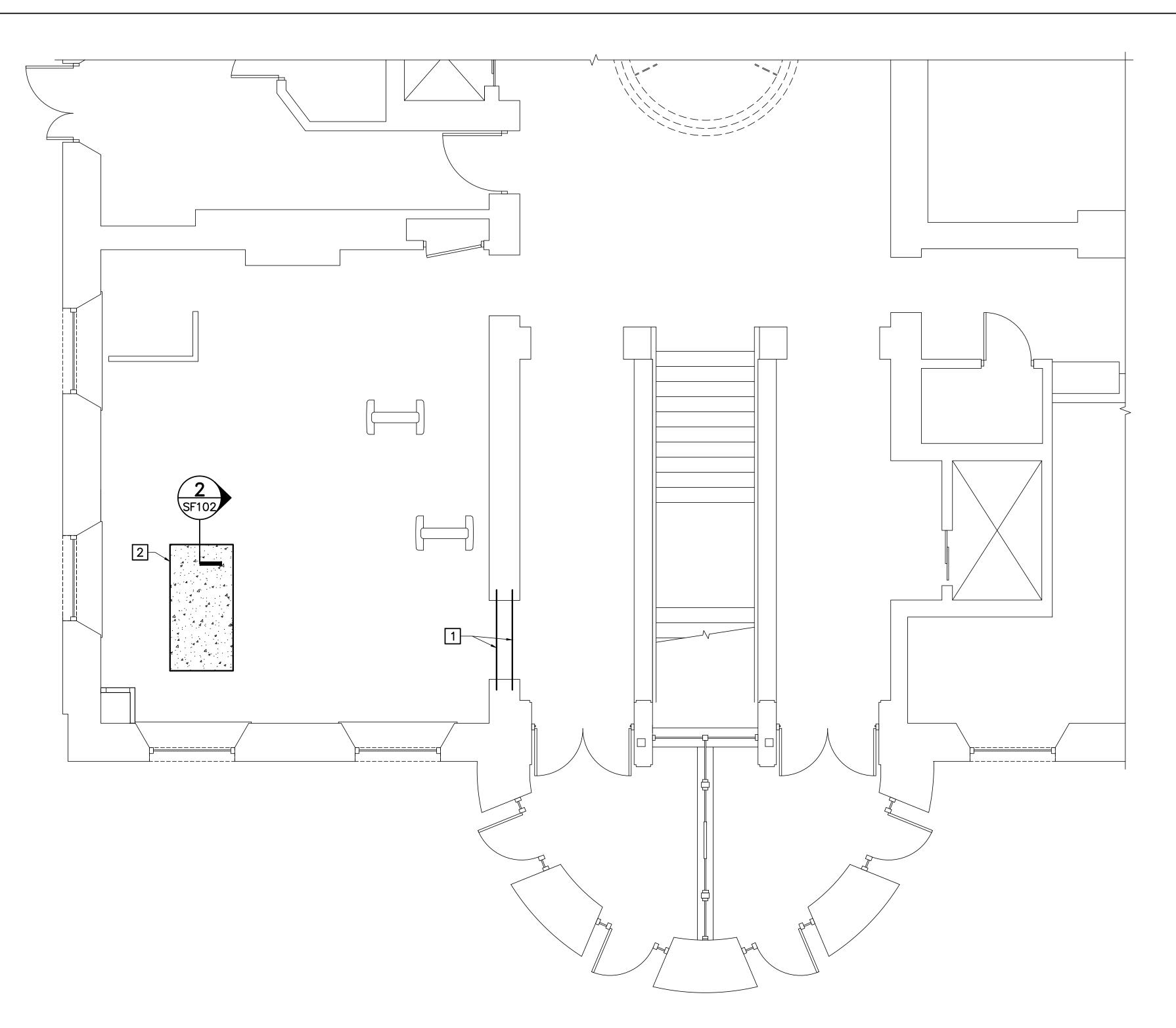


3 TURNED DOWN SLAB DETAIL AT GRADE BEAM SB501 SCALE: 3/4"=1'-0"









1 STATE HOUSE PARTIAL FIRST FLOOR REPAIR PLAN SF102 SCALE: 1/4"=1'-0"

PLAN NORTH

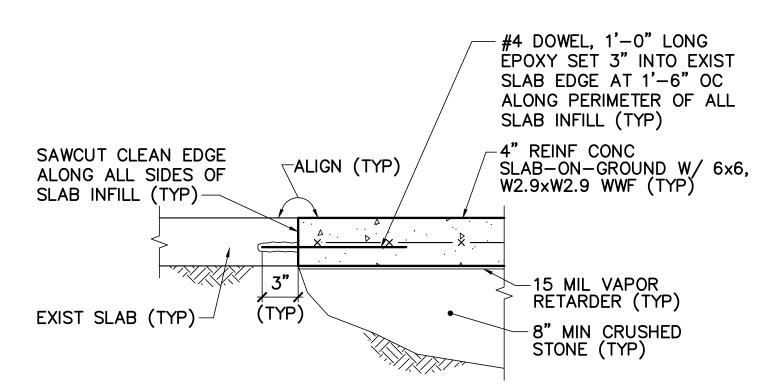


# **DRAWING NOTES**

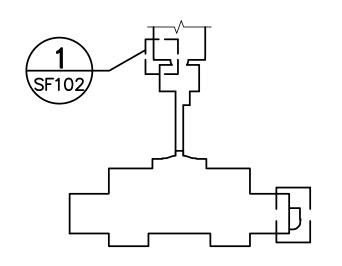
1. COORDINATE WITH ARCHITECTURAL DRAWINGS.

# KEYNOTES (THIS SHEET ONLY)

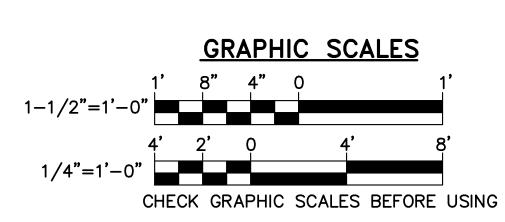
- PROVIDE (2) W6x15 LOOSE LINTELS WITH CONTINUOUS 1/4" STEEL PLATE OVER LINTEL PAIR. MATCH PLATE WIDTH TO MASONRY WALL THICKNESS. MINIMUM 8" BEARING LENGTH EACH END. COORDINATE PRECISE LOCATION AND HEIGHT OF OPENING WITH ARCHITECTURAL DRAWINGS.
- 2 INFILL EXISTING FLOOR CAVITY WITH 4" THICK SLAB-ON-GROUND WITH 6x6, W2.9×W2.9 WELDED WIRE FABRIC, OVER MINIMUM 8" CRUSHED STONE.
  COMPACT EXISTING SUBGRADE PRIOR TO INSTALLATION OF MATERIALS. FOR BIDDING PURPOSES, ASSUME 50 SQUARE FEET OF SLAB AREA.

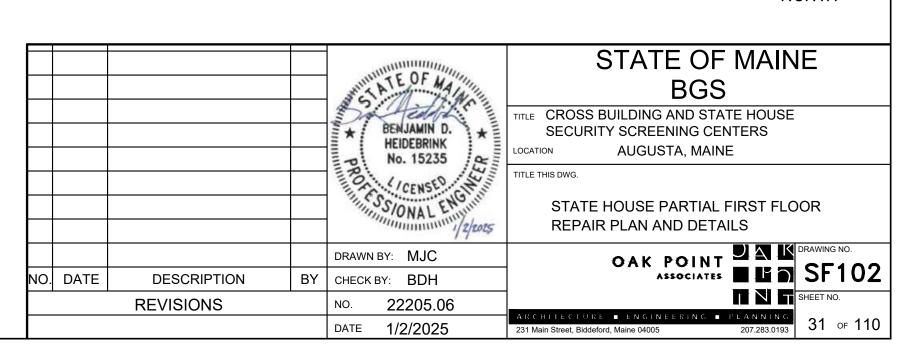


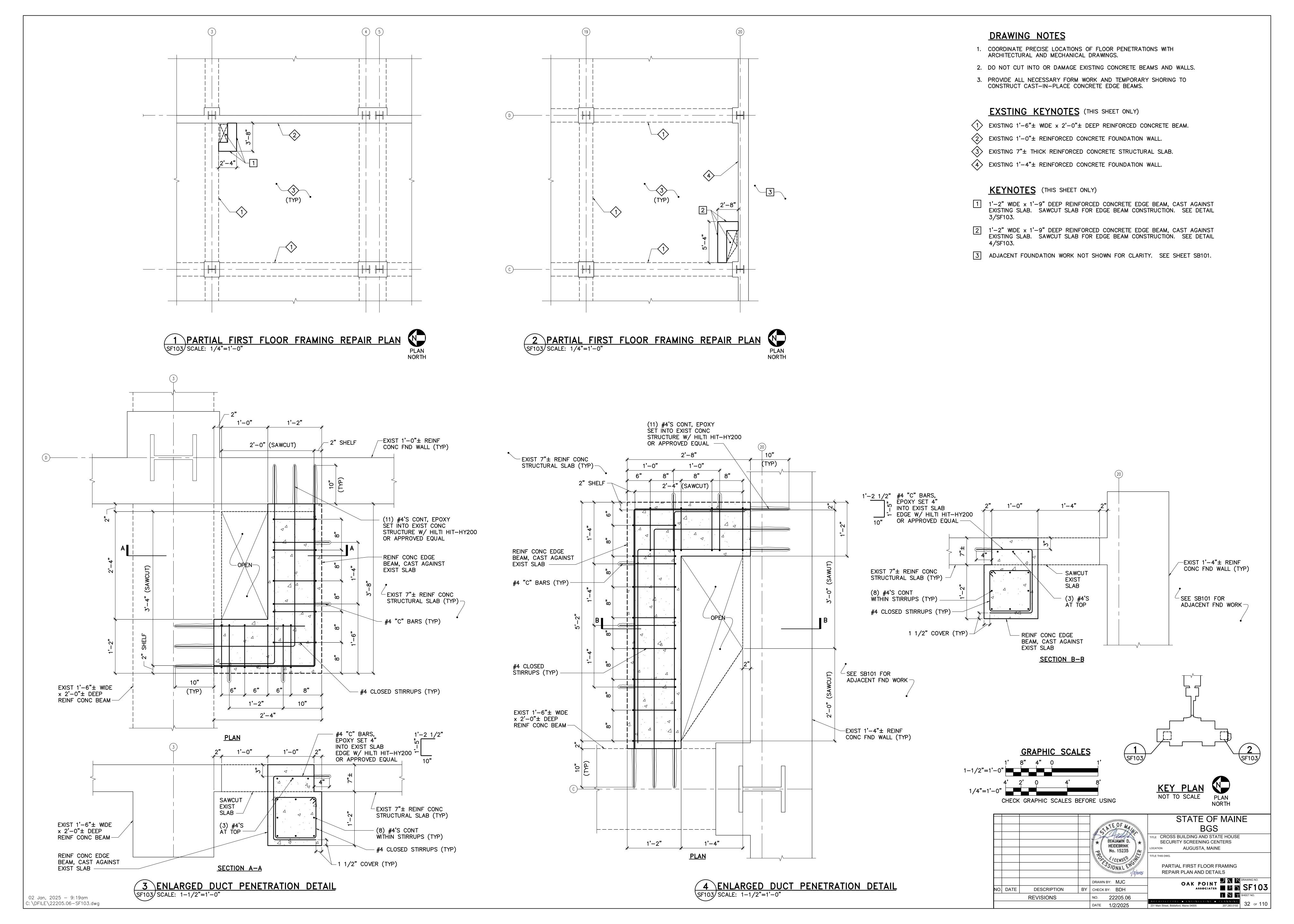
2 TYP SLAB INFILL DETAIL
SF102 SCALE: 1-1/2"=1'-0"

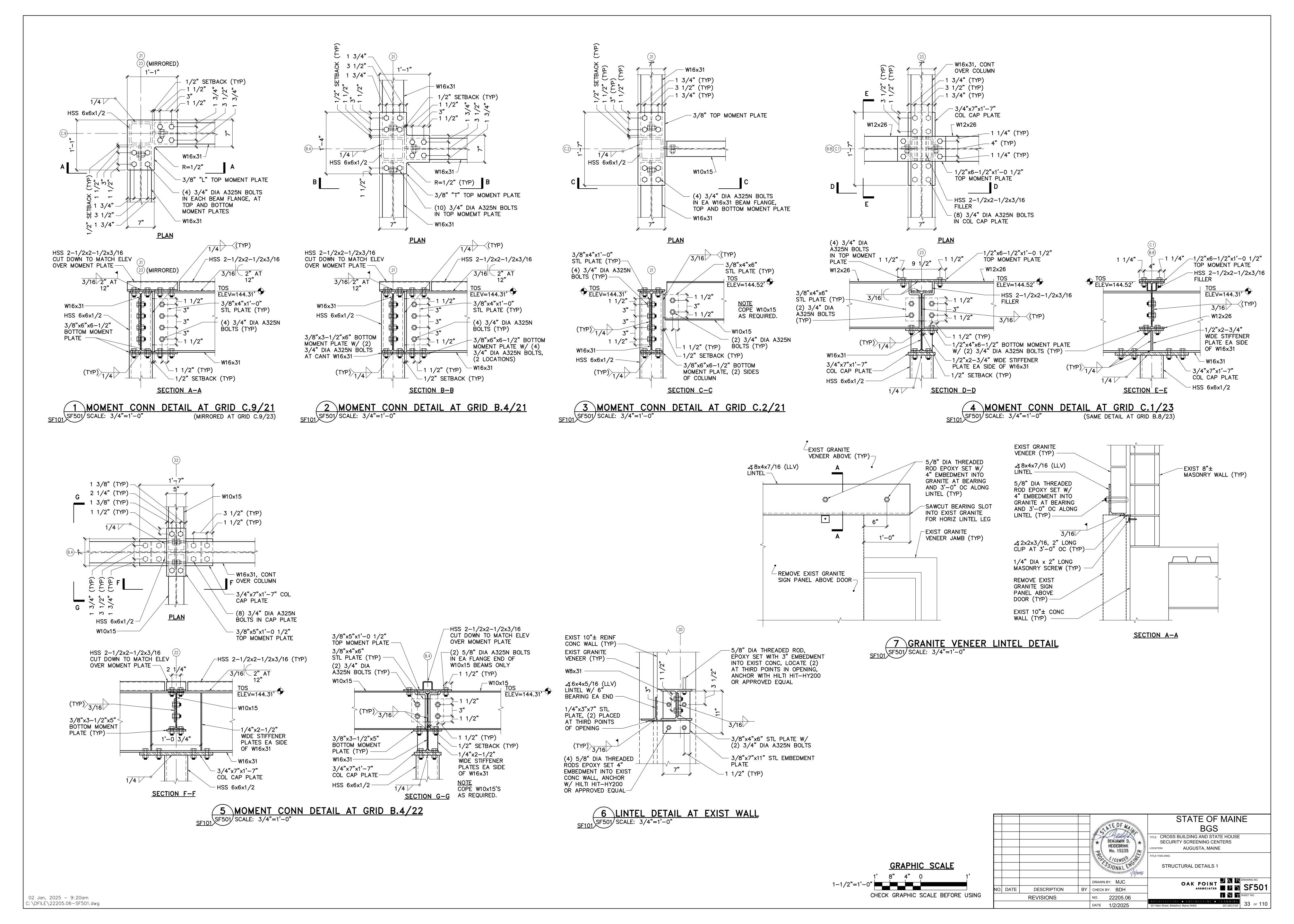


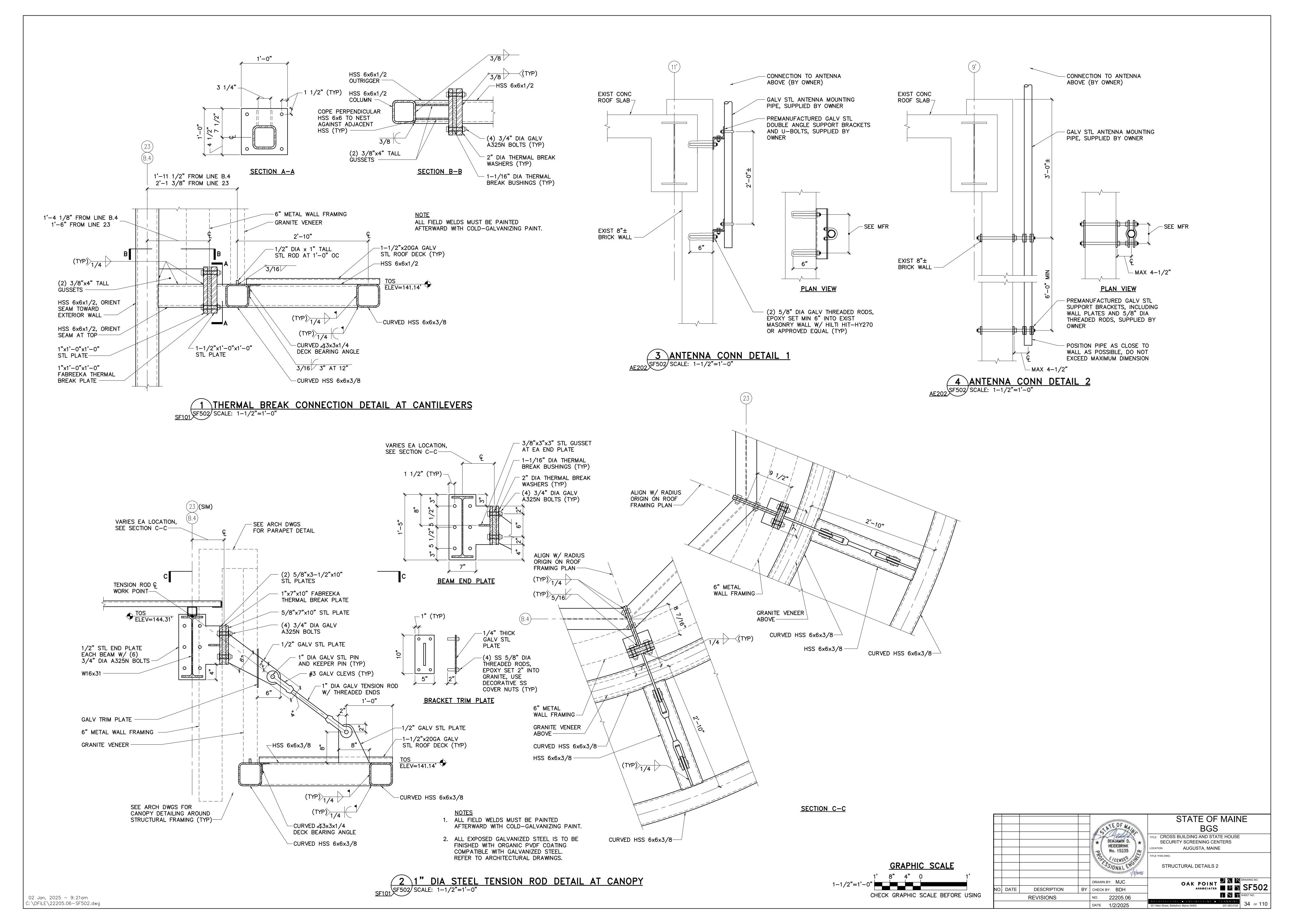












# REMOVALS LEGEND

UNEXCAVATED

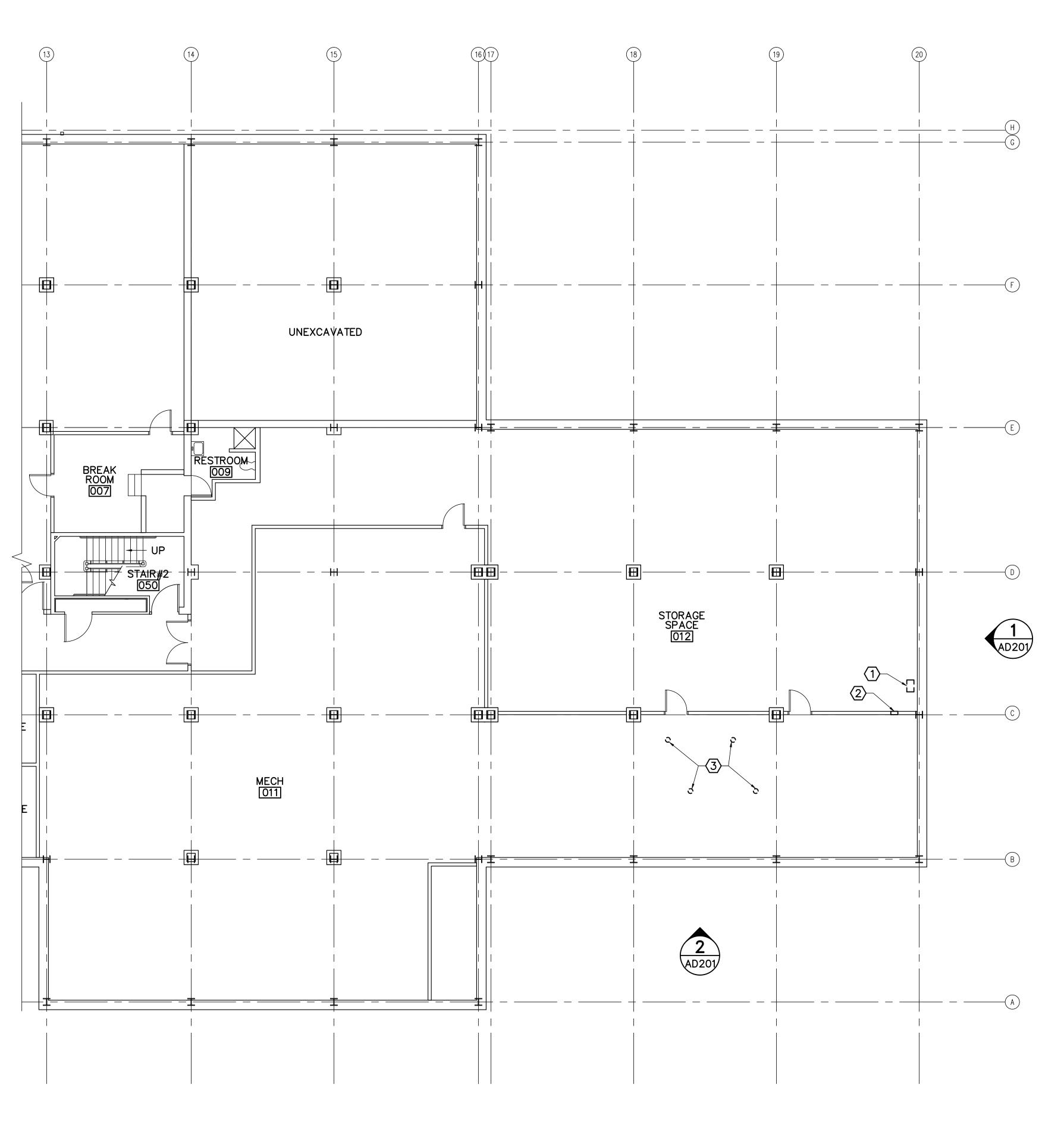
MECH 5 \_\_\_\_\_ EXISTING (TO REMAIN)
\_\_\_\_\_ EXISTING TO BE REMOVED

# **GENERAL REMOVALS NOTES**

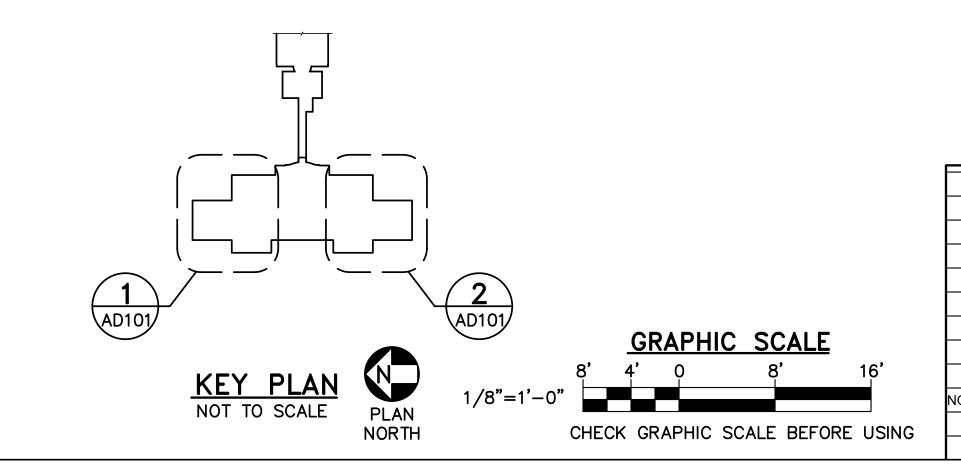
- SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. ALL ITEMS ON THIS SHEET ARE EXISTING UNLESS NOTED OTHERWISE. VERIFY IN FIELD DIMENSIONS PRIOR PRIOR TO COMMENCEMENT OF REMOVALS.
- 3. COORDINATE REMOVALS OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING DRAWINGS.
- 4. COORDINATE REMOVALS OF ALL ELECTRICAL DEVICES WITH ELECTRICAL REMOVALS DRAWINGS.

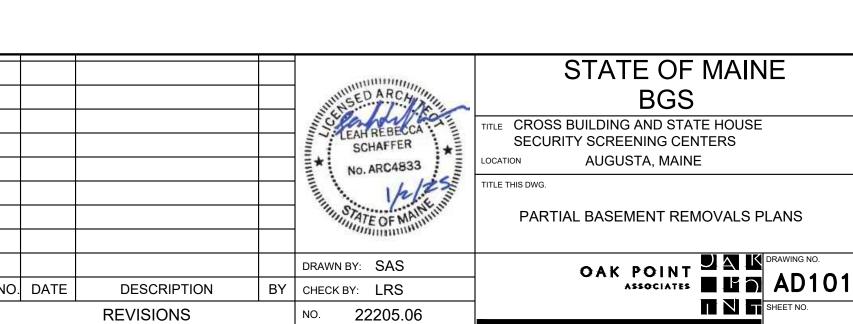
# REMOVALS KEYNOTES (THIS SHEET ONLY)

- (1) CUT OUT PORTION OF REINFORCED 7"± THICK REINFORCED CONCRETE FLOOR SLAB ABOVE FOR DUCT PENETRATIONS. COORDINATE SIZE WITH MECHANICAL DRAWINGS.
- 2 CUT OUT PORTION OF 6"± GYP AND METAL STUD PARTITION FOR DUCT PENETRATION. COORDINATE SIZE WITH MECHANICAL DRAWINGS.
- 3 CORE DRILL 7"± THICK REINFORCED CONCRETE FLOOR SLAB ABOVE FOR RECESSED ELECTRICAL FLOOR BOX. COORDINATE SIZE WITH ELECTRICAL DRAWINGS. LOCATIONS TO BE FIELD VERIFIED WITH SECURITY EQUIPMENT.



2 PARTIAL BASEMENT REMOVALS PLAN
AD101 SCALE: 1/8"=1'-0"





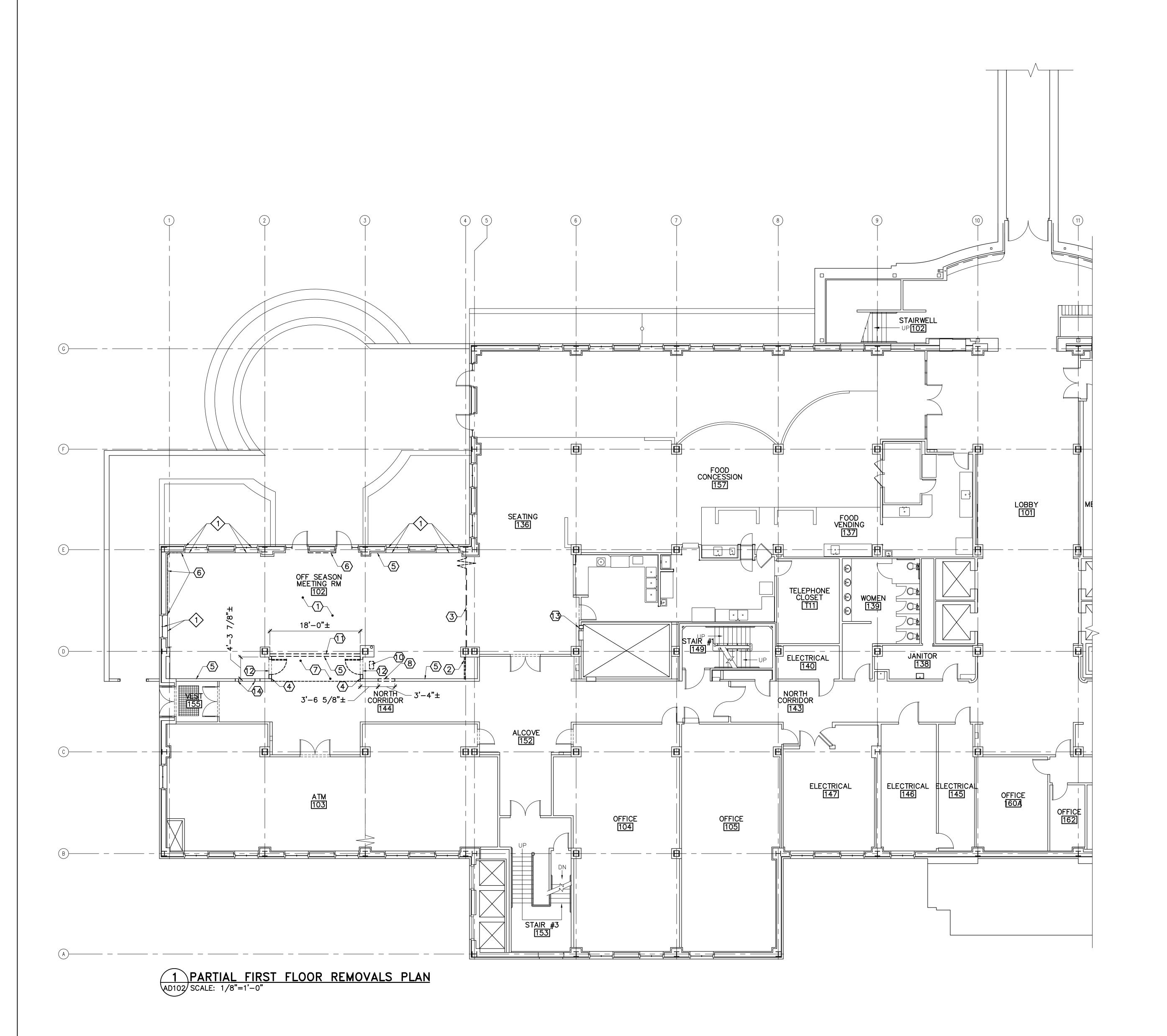
DATE 1/2/2025

02 Jan, 2025 — 02:24pm Y:\22205.06\22205.06-AD101.dwg

CENTREX A 020A

CENTREX B

1 PARTIAL BASEMENT REMOVALS PLAN
AD101 SCALE: 1/8"=1'-0"



### GENERAL REMOVALS NOTES

- SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. ALL ITEMS ON THIS SHEET ARE EXISTING UNLESS NOTED OTHERWISE. VERIFY IN FIELD DIMENSIONS PRIOR TO COMMENCEMENT OF REMOVALS.
- 3. COORDINATE REMOVALS OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING DRAWINGS.
- 4. COORDINATE REMOVALS OF ALL ELECTRICAL DEVICES WITH ELECTRICAL REMOVALS DRAWINGS.

### REMOVALS KEYNOTES (THIS SHEET ONLY)

- REMOVE CARPET FLOORING AND ADHESIVE. PREP FLOOR TO RECEIVE NEW FLOOR FINISH AS SCHEDULED.
- $\langle \overline{2} \rangle$  REMOVE BUILT-IN CASEWORK.
- (3) REMOVE MOVEABLE PARTITION WALL AND ALL ASSOCIATED HARDWARE. REMOVE LIGHT GUAGE SUPPORT FRAMING ABOVE CEILING.
- 4 REMOVE ROOM SIGNAGE AND RETURN TO OWNER.
- (5) REMOVE RUBBER BASE, TYPICAL AT ALL WALLS.
- 6 REMOVE 3/4"x 12"± HIGH PLYWOOD BASE.
- (7) REMOVE LAMINATE FLOORING.
- 8 REMOVE 5"± THICK METAL STUD AND GYP WALL.
- 9 REMOVE PORTION OF 6"± THICK METAL STUD WALL FOR NEW DOOR.
- © CUT OPENING IN 7± REINFORCED CONCRETE FLOOR SLAB FOR DUCT PENETRATION.
- 1 REMOVE 6"± THICK METAL STUD AND GYP WALL.
- REMOVE HOLLOW METAL DOORS AND FRAMES. SALVAGE ALL DOOR LOCKSETS, CORES, AND CYLINDERS AND RETURN TO OWNER.
- CUT OPENING IN METAL STUD SHAFT WALL FOR PIPE PENETRATION. COORDINATE LOCATION AND SIZE WITH PLUMBING DRAWINGS.
- CUT OPENING IN 6"± THICK METAL STUD AND GYP WALL FOR DUCT PENETRATIONS. PATCH AT DUCT PENETRATIONS BEING REMOVED. ALL WORK IS ABOVE CEILING. COORDINATE SIZE AND LOCATION WITH MECHANICAL SHEETS.

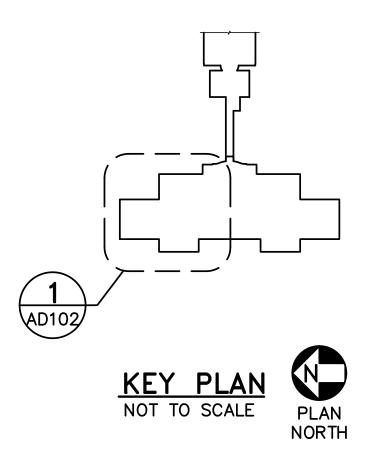
### EXISTING KEYNOTES (THIS SHEET ONLY)

EXISTING MINI BLINDS AND WOOD SILLS WITH APRON TO REMAIN. ITEMS ARE TO BE PROTECTED THROUGHOUT CONSTRUCTION.

### REMOVALS LEGEND

EXISTING (TO REMAIN)

---- EXISTING TO BE REMOVED





GRAPHIC SCALE

8' 4' 0 8' 16'

1/8"=1'-0"

CHECK GRAPHIC SCALE BEFORE USING

### EXISTING (TO REMAIN) 1. SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS. ---- EXISTING TO BE REMOVED 2. ALL ITEMS ON THIS SHEET ARE EXISTING UNLESS NOTED OTHERWISE. VERIFY IN FIELD DIMENSIONS PRIOR TO COMMENCEMENT OF REMOVALS. 3. COORDINATE REMOVALS OF ALL MECHANICAL AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING REMOVALS DRAWINGS. 4. COORDINATE REMOVALS OF ALL ELECTRICAL DEVICES WITH ELECTRICAL REMOVALS DRAWINGS. 5. REMOVE ALL ROOM SIGNAGE ADJACENT TO DOORS BEING REMOVED AND RETURN SIGNAGE TO OWNER UNLESS NOTED OTHERWISE. 6. REMOVE AND SALVAGE ALL DOOR LOCKSETS, CYLINDERS, AND CORES FOR DOORS INDICATED TO BE REMOVED. RETURN ALL SALVAGED HARDWARE TO OWNER UNLESS OTHERWISE INDICATED. 10 MECHANICAL CONNECTOR 108 LOADING BOILER ROOM 110 STORAGE MEZZANINE KITCHEN STORAGE MANAGEMENT TELEPHONE CLOSET T12 WOMENS SHOWERS [130] ELECTRICAL 112 1 AD201 |SOUTH GORRIDOR EXTENT OF 13'-0 3/4"± FLOORING REMOVALS-OFFICE COORDINATE OPENING WITH ELECTRICAL EVI<u>DEN</u>CE DETAIL 12/AE601 FOR ┢*╾╾╾╾*┯<del>┎</del>╤╤╌╌╌╌╝╵ BLOCKING AT ROUGH OPENING. F----TRAINING ROOM [109] OFFICE 166 OFFICE 168 OFFICE 70A

STAIR #4

REMOVALS LEGEND

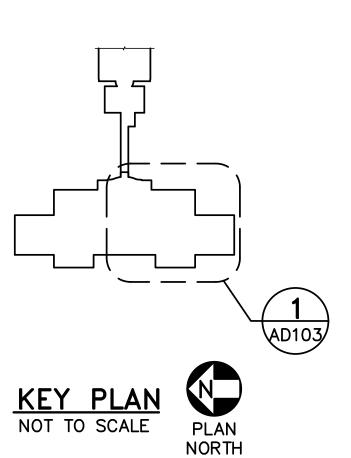
GENERAL REMOVALS NOTES

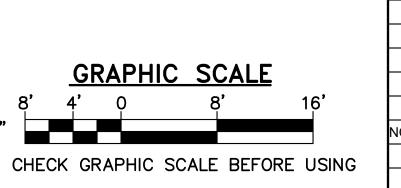
REMOVALS KEYNOTES (THIS SHEET ONLY)

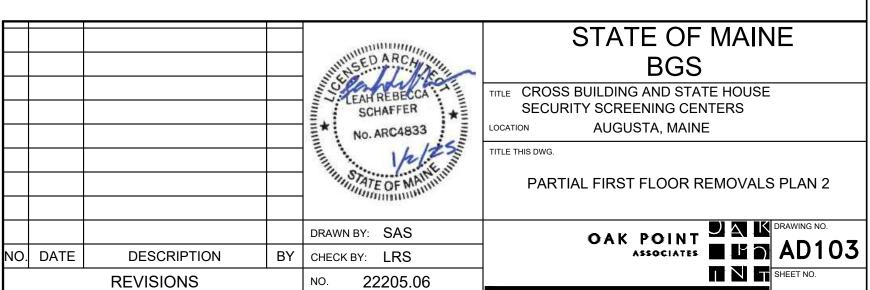
- REMOVE TILE FLOORING AND MORTAR BED. PREP FLOOR TO RECEIVE NEW FLOOR FINISH AS
- SCHEDULED. REMOVE ALL WALL TILE.

  (2) REMOVE CARPET FLOORING AND ASSOCIATED RUBBER WALL BASE. PREP FLOOR TO RECEIVE NEW FLOOR
- FINISH AS SCHEDULED.

  REMOVE BUILDING ALARM PANEL. COORDINATE WITH ELECTRICAL DRAWINGS.
- 4 REMOVE CASEWORK.
- (5) KEYLOCK BOXES WILL BE REMOVED AND RELOCATED BY OWNER PRIOR TO WORK COMMENCING.
- REMOVE FIRE EXTINGUISHER CABINET AND SALVAGE FOR REINSTALLATION. REMOVE ASSOCIATED SIGNAGE AND SALVAGE FOR REINSTALLATION.
- 7 REMOVE PORTION OF 1'-7"± THICK EXTERIOR WALL FOR ENTRY DOOR. STORE GRANITE VENEER PANELS FOR REUSE.
- REMOVE ALUMINUM FRAMED STOREFRONT WINDOW. REMOVE MINI BLINDS AND RETRACTABLE FABRIC SHADE WITH WOOD FRAME AND VALANCE. REMOVE WOOD SILL AND APRON.
- (9) REMOVE ALUMINUM STOREFRONT AND TRANSOM.
- REMOVE RECESSED KNOX BOX AND EMERGENCY CALL BUTTON. SALVAGE KNOX BOX FOR REINSTALLATION.
- REMOVE CARPET FLOORING AND ANY REMAINING VCT OR CERAMIC TILE FLOORING BELOW CARPET DOWN TO CONCRETE SLAB. PREP FLOOR TO RECEIVE NEW FLOOR FINISH AS SCHEDULED.
- 12 REMOVE DOOR THRESHOLD.
- REMOVE VCT FLOORING AND PREP FLOOR TO RECEIVE NEW FLOOR FINISH AS SCHEDULED.
- CUT OUT PORTION OF GYPSUM SHAFT WALL AS REQUIRED FOR NEW DUCT PENETRATION AND ACCESS. COORDINATE WITH MECHANICAL DRAWINGS.
- (5) CUT OPENING IN 7"± REINFORCED CONCRETE SLAB FOR DUCT PENETRATION.
- REMOVE CARPET FLOORING AND METAL WALKOFF MAT BELOW. PREP FLOOR TO RECEIVE NEW FINISH AS SCHEDULED.
- REMOVE GRANITE STOOP. PREP AREA FOR CONCRETE SLAB INFILL.
- REMOVE LVT AND ASSOCIATED WALL BASE. FLOORING. PREP FLOOR TO RECEIVE NEW FINISH AS SCHEDULE.
- REMOVE PARKING TICKET BOX AND ADJACENT SIGNAGE. RETURN ITEMS TO OWNER.
- REMOVE AND SALVAGE ROOM SIGNAGE # PROPERTY MANAGEMENT FOR REINSTALLATION.
- REMOVE ALL BATH ACCESSORIES AND TOILET PARTITIONS. ITEMS INCLUDE BUT ARE NOT LIMITED TO GRAB BARS, MIRRORS, TOILET PAPER HOLDERS, PAPER TOWEL HOLDERS.
- REMOVE LOCKERS AND RETURN TO OWNER.
- CUT OPENINGS IN ±4 INCH THICK MTL STUD AND GYPSUM PARTITION AS REQUIRED FOR PLUMBING FIXTURE REMOVALS AND NEW PIPING. COORDINATE WITH PLUMBING DRAWINGS.
- CUT OPENING TO ACCOMMODATE WIDTH OF SCHEDULED STOREFRONT DOOR.
- REMOVE AND SALVAGE PRIVACY LOCKSET AT DOOR 129 FOR REINSTALLATION.

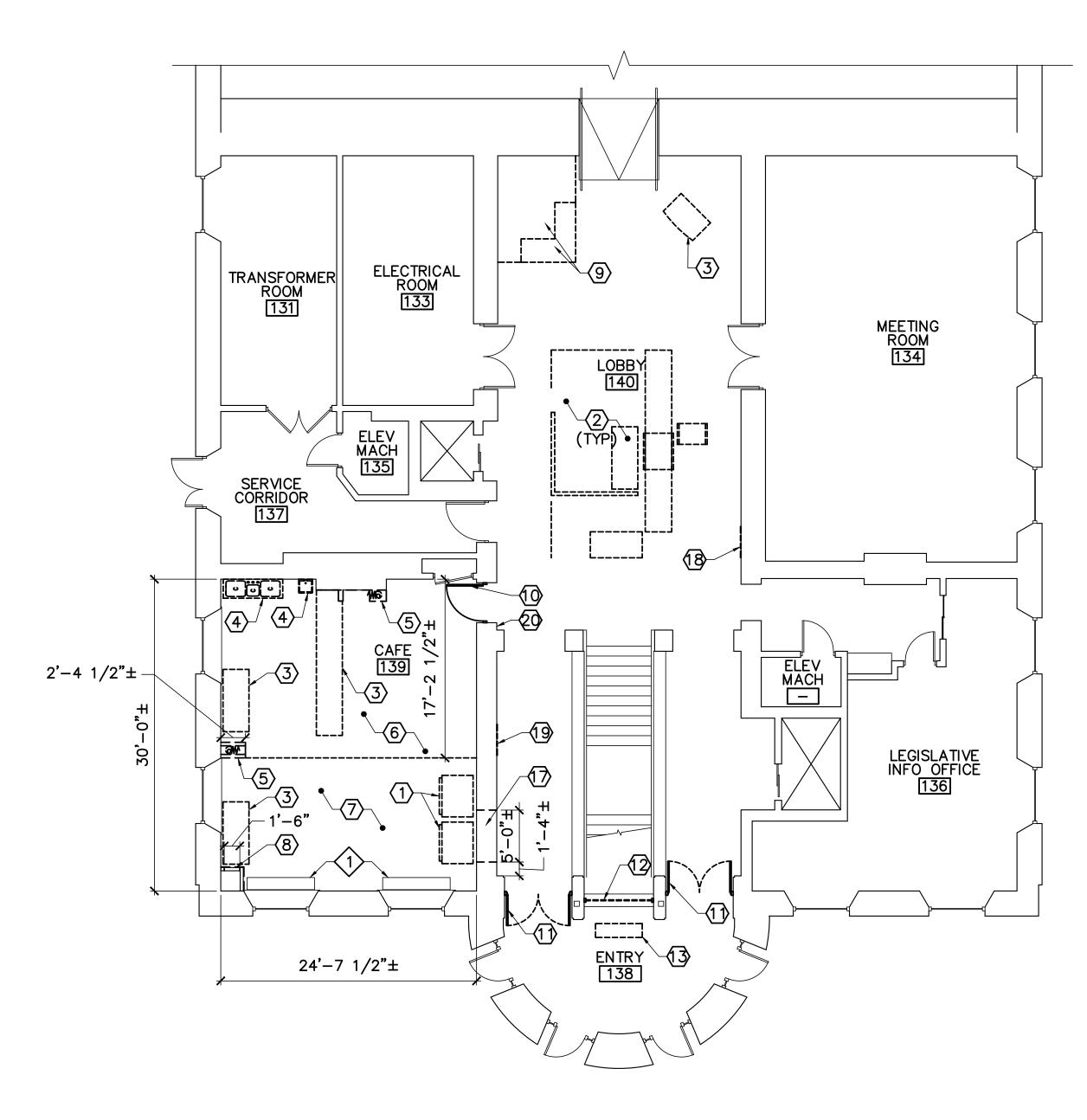




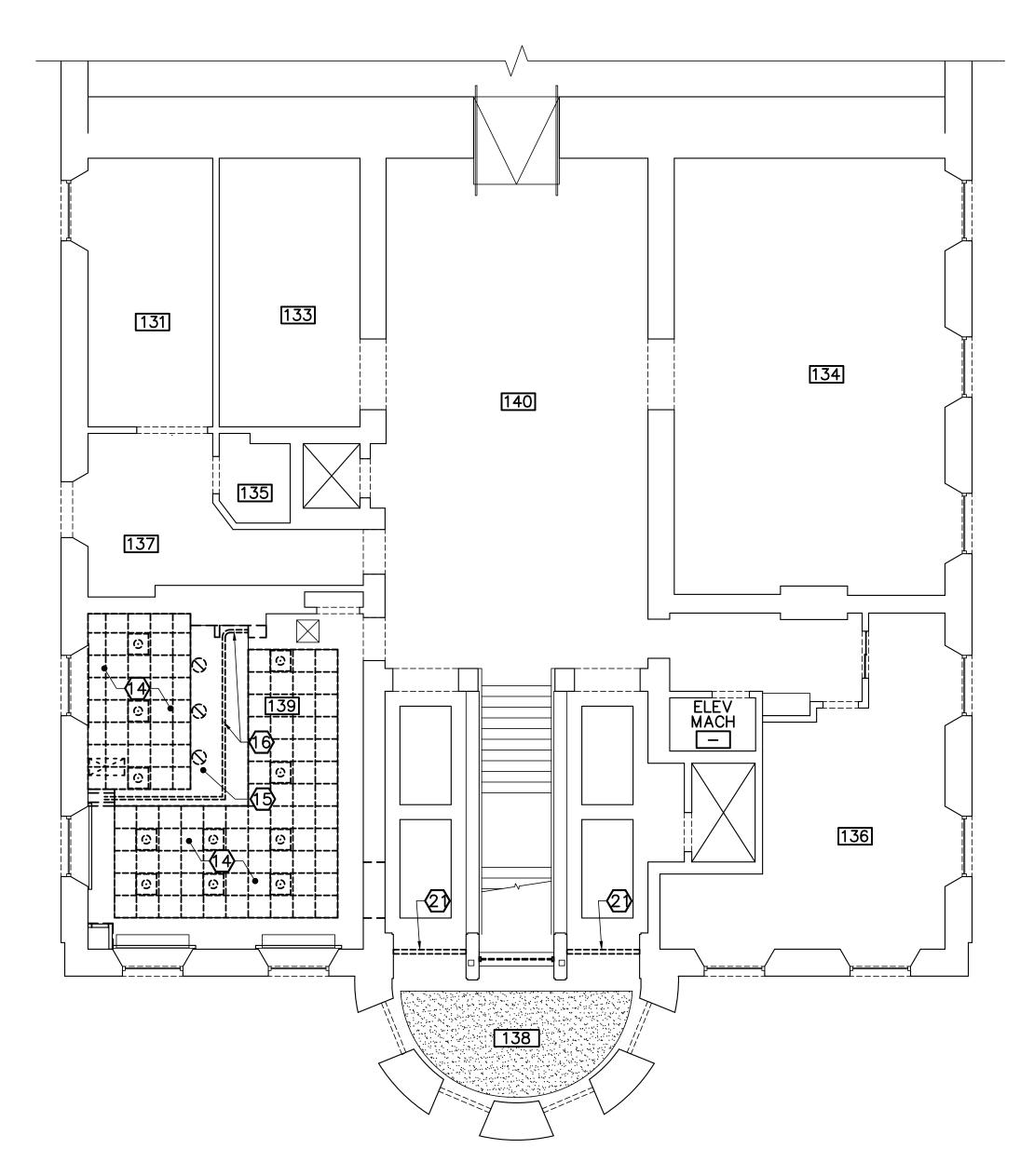


DATE 1/2/2025

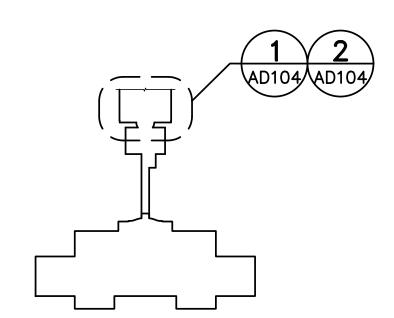
1 PARTIAL FIRST FLOOR REMOVALS PLAN
AD103 SCALE: 1/8"=1'-0"



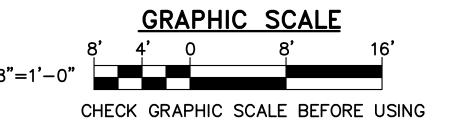
1 STATE HOUSE— PARTIAL FIRST FLOOR REMOVALS PLAN AD104 SCALE: 1/8"=1'-0"



STATE HOUSE- PARTIAL FIRST FLOOR 2 REFLECTED CEILING REMOVALS PLAN AD104/ SCALE: 1/8"=1'-0"







- 1. SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. ALL ITEMS ON THIS SHEET ARE EXISTING UNLESS NOTED OTHERWISE. VERIFY IN FIELD DIMENSIONS PRIOR TO COMMENCEMENT OF REMOVALS.
- 3. DUE TO AGE OF THE BUILDING LEAD PAINT IS EXPECTED TO BE PRESENT WITHIN THE WORK AREA, ESPECIALLY AT ORIGINAL PLASTER CEILING ABOVE SUSPENDED CEILING. CONTRACTOR IS TO TEST FOR LEAD PAINT PRIOR TO START OF CONSTRICTION. IF FOUND ALL PROCEDURES REQUIRED BY THE EPA AND OSHA ARE TO BE FOLLOWED.
- 4. COORDINATE REMOVALS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL REMOVALS DRAWINGS.
- 5. COORDINATE REMOVALS OF ALL CEILING MOUNTED DEVICES AND FIXTURES WITH ELECTRICAL REMOVALS DRAWINGS.

#### **EXISTING KEYNOTE** (THIS SHEET ONLY)

1) UNIT VENTILATORS.

#### REMOVALS KEYNOTES (THIS SHEET ONLY)

- (1) REMOVE VENDING MACHINES AND RETURN TO OWNER.
- (2) REMOVE SECURITY SCREENING EQUIPMENT AND PARTIAL HEIGHT PARTITION PANELS. ALL ITEMS ARE TO BE RETURNED TO OWNER.
- 3 REMOVE CASEWORK AND RETURN TO OWNER.
- (4) REMOVE PLUMBING FIXTURES AND RETURN TO OWNER. COORDINATE ADDITIONAL PLUMBING AND PIPING REMOVALS WITH PLUMBING SHEETS.
- (5) REMOVE DRYWALL AND METAL STUD WALLS AS INDICATED. SLIDING SECURITY GRILL DOORS AND ASSOCIATED MOUNTING AND HARDWARE TO BE REMOVED.
- (6) REMOVE CERAMIC TILE FLOORING AND ASSOCIATED TILE COVE BASE. FLOOR TO BE PREPPED FOR NEW FINISHES AS SCHEDULED.
- REMOVE CARPET FLOORING. ASSOCIATED PAINTED WOOD BASEBOARD TRIM TO BE REMOVE AND SALVAGED FOR REINSTALLATION.
- 8 REMOVE PAINTED PLYWOOD AT LOWER 5'-0"+/- OF CHASE. CUT 1'-6"x 1'-6" OPENING IN DRYWALL AND METAL FRAMED WALL FOR ACCESS PANEL.
- (9) REMOVE CAPITAL POLICE DESK AND RAISED PLATFORM FRAMING WITH CARPET FLOORING.
- (1) REMOVE GLASS DOOR AND ASSOCIATED HARDWARE.
- (1) REMOVE ALUMINUM STOREFRONT ENTRY DOOR AND ASSOCIATED FRAME AND HARDWARE. SALVAGE LOCKSETS, CORES, AND CYLINDERS AND RETURN TO OWNER.
- CAREFULLY REMOVE AND STORE ALUMINUM STOREFRONT SYSTEM WITH STATE SEAL FOR REINSTALLATION.
- (3) REMOVE GRANITE BENCH AND RETURN TO OWNER.
- (4) REMOVE 2x2 ACOUSTICAL SUSPENDED CEILING TILES AND GRID.
- REMOVE GYPSUM WALLBOARD SOFFIT AND ASSOCIATED LIGHT GAUGE FRAMING FOR SOFFIT.
- REMOVE TRACK AND HARDWARE FOR SLIDING SECURITY GRILL
- CUT-OUT SECTION OF MULTI-WYHTE MASONRY WALL WITH PLASTER FINISH FOR NEW  $5'-0" \times 7'-2"$  OPENING. REMOVE ASSOCIATED TILE BASE WITH WOOD CAP AT OPENING. EXISTING WALL CONSTRUCTION IS ASSUMED TO BE MASONRY WALL 4 WYTHES THICK $(1'-4"\pm)$  WITH FURRING AND DRYWALL EACH SIDE OVERALL WALL THICKNESS 2'-0"±.
- REMOVE BUILDING DIRECTORY AND SIGNAGE AND SALVAGE FOR REINSTALLATION.
- OWNER TO REMOVE WALL MOUNTED COPPER ART PIECE PRIOR TO COMMENCEMENT OF WORK.
- REMOVE ROOM SIGNAGE.
- REMOVE GYP SOFFIT AND FRAMING FOR COORDINATION OF DOOR CLOSER. SEE DETAIL 10/AE601

#### REMOVALS CEILING LEGEND

EXISTING  $2'-0"\times2'-0"$ ACOUSTICAL CEILING TILE

REMOVE 2'-0"x2'-0" ACOUSTICAL CEILING TILE SYSTEM

EXISTING GYPSUM BOARD CEILING SYSTEM

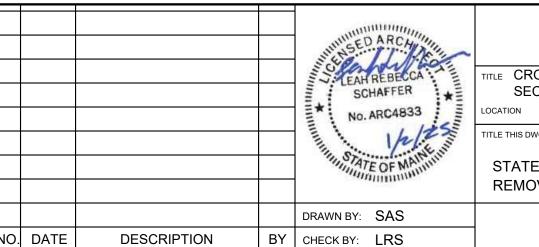
> REMOVE GYPSUM BOARD CEILING SYSTEM

#### REMOVALS LEGEND

———— EXISTING (TO REMAIN) ---- EXISTING TO BE REMOVED

NO. 22205.06

DATE 1/2/2025



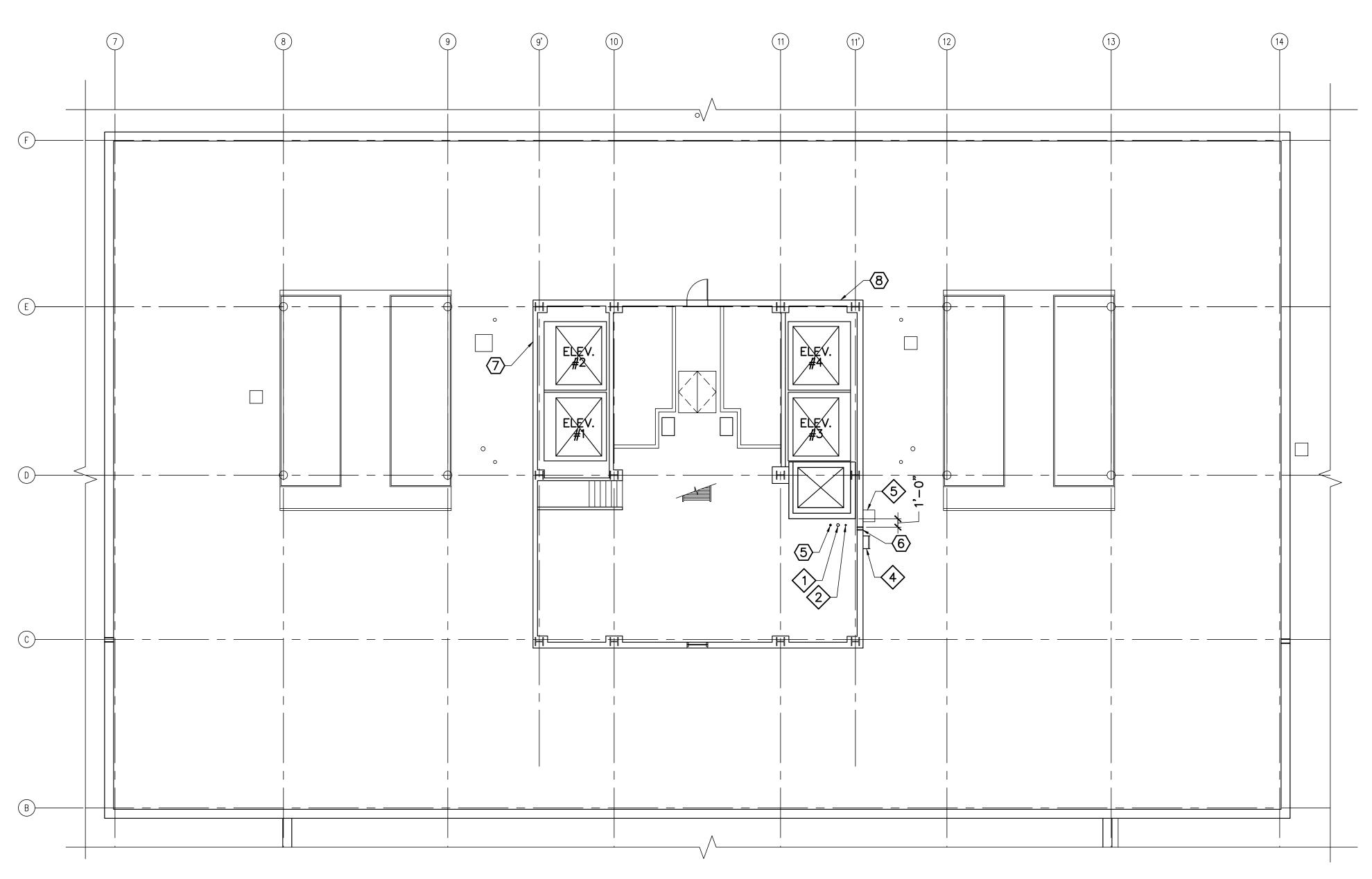
**REVISIONS** 

### STATE OF MAINE CROSS BUILDING AND STATE HOUSE SECURITY SCREENING CENTERS AUGUSTA, MAINE

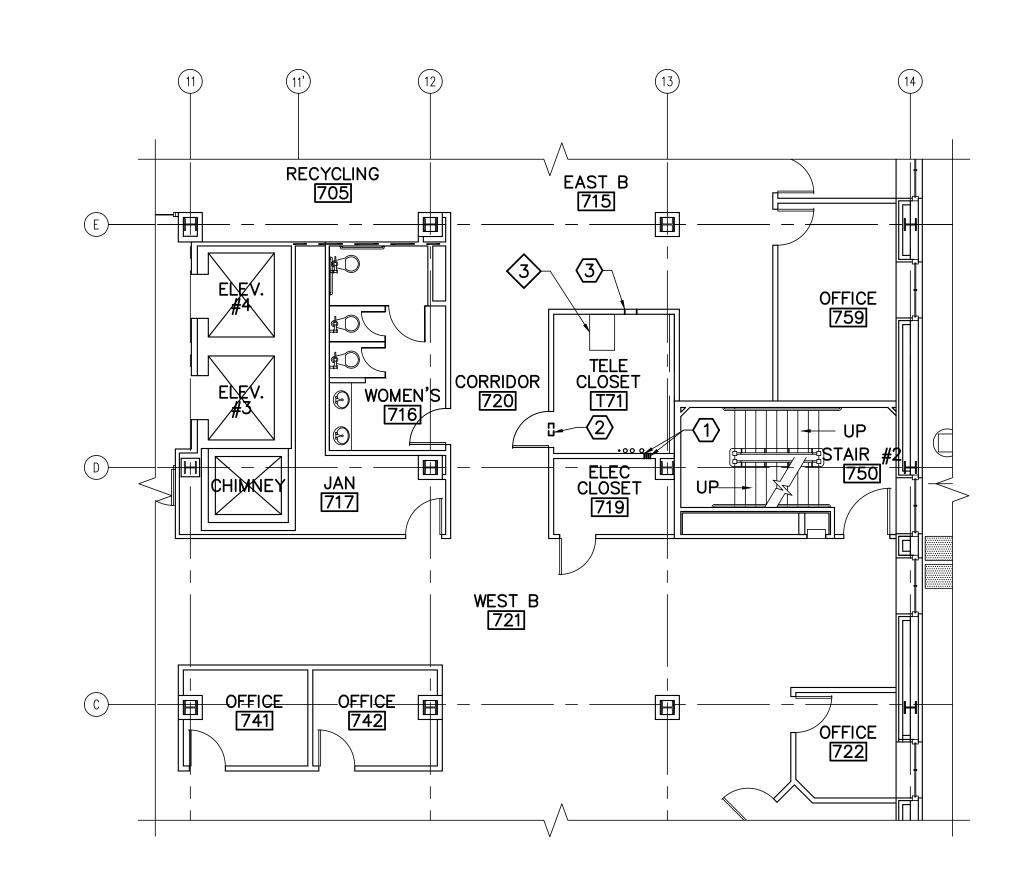
STATE HOUSE- PARTIAL FIRST FLOOR REMOVALS PLAN AND REFLECTED CEILING PLAN

> OAK POINT DAM DRAWING NO.
>
> ASSOCIATES DE AD104 SHEET NO.

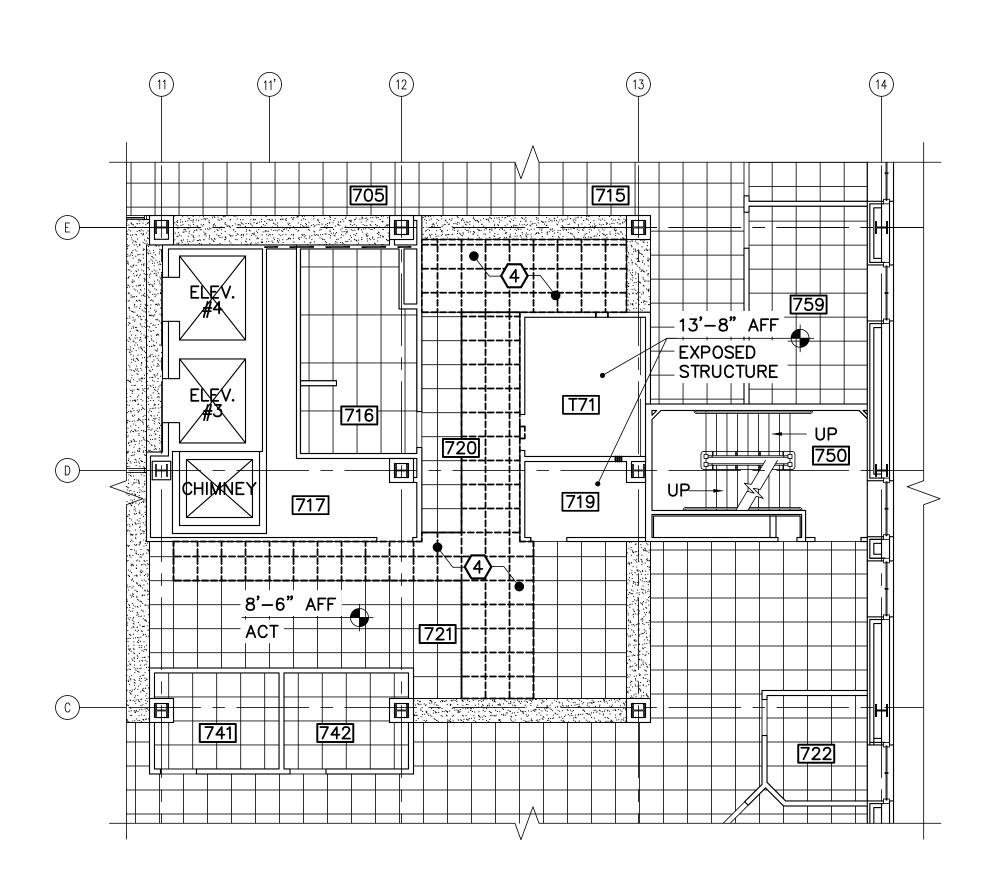
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### 1 PENTHOUSE AND ROOF PARTIAL REMOVALS PLAN AD105 SCALE: 1/8"=1'-0"



2 SEVENTH FLOOR PARTIAL REMOVALS PLAN AD105 SCALE: 1/8"=1'-0"



3 SEVENTH FLOOR PARTIAL REFLECTED CEILING REMOVALS PLAN AD105 SCALE: 1/8"=1'-0"

#### GENERAL REMOVALS NOTES

- 1. SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. ALL ITEMS ON THIS SHEET ARE EXISTING UNLESS NOTED OTHERWISE. VERIFY IN FIELD DIMENSIONS PRIOR TO COMMENCEMENT OF REMOVALS.
- 3. COORDINATE REMOVALS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL REMOVALS DRAWINGS.
- 4. COORDINATE REMOVALS OF ALL CEILING MOUNTED DEVICES AND FIXTURES WITH ELECTRICAL REMOVALS DRAWINGS.

#### EXISTING KEYNOTES (THIS SHEET ONLY)

- (1) 4" DIAMETER SPRINKLER PIPE THROUGH FLOOR.
- $\langle 2 \rangle$  1-1/2" CONDUIT THROUGH FLOOR.
- 3 IT RACK.
- 4 METAL WALL MOUNTED LADDER.
- (5) WALL MOUNTED HOSE RACK.

#### REMOVALS KEYNOTES (THIS SHEET ONLY)

- 1 CUT OUT 5"+/- METAL STUD AND GYP PARTITION FOR ELECTRICAL CONDUIT PENETRATIONS. COORDINATE SIZE AND FINAL LOCATION WITH ELECTRICAL DRAWINGS.
- 2 CUT OUT "5+/- THICK METAL STUD AND GYP PARTITION FOR MECHANICAL DUCT AND GRILL PENETRATION ABOVE DOOR. COORDINATE SIZE AND FINAL LOCATION WITH MECHANICAL DRAWINGS.
- 3 CUT OUT 5"+/- THICK METAL STUD AND GYP PARTITION FOR MECHANICAL DUCT AND GRILL PENETRATION. COORDINATE SIZE AND FINAL LOCATION WITH MECHANICAL DRAWINGS.
- (4) REMOVE AND STORE 2X2 ACT CEILING TILES AND GRID FOR REINSTALLATION.
- 5 CORE DRILL 2" DIA HOLE THROUGH 4"+/- CONCRETE SLAB ON METAL DECK ASSEMBLY. COORDINATE FINAL LOCATION IN FIELD WITH BUILDING OWNER.
- (6) CORE DRILL 4" DIA HOLE 4'-10"+/- ABOVE FINISH FLOOR FOR CABLE PENETRATION THROUGH 8"+/-THICK BRICK MASONRY WALL.
- 7 REMOVE "U" ANCHORS, THROUGH WALL CLAMPS, AND MAST PIPE SUPPORT FROM MASONRY WALL FOR EXISTING ANTENNA.
- 8 REMOVE STEEL WALL ANTENNA MOUNT AND WOOD BLOCKING FROM MASONRY.

#### REMOVALS CEILING LEGEND

EXISTING 2'-0"x2'-0" ACOUSTICAL CEILING TILE SYSTEM

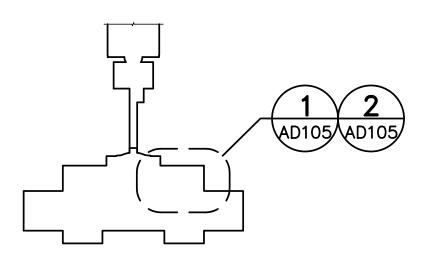
REMOVE 2'-0"x2'-0" ACOUSTICAL CEILING TILE

EXISTING GYPSUM BOARD CEILING SYSTEM

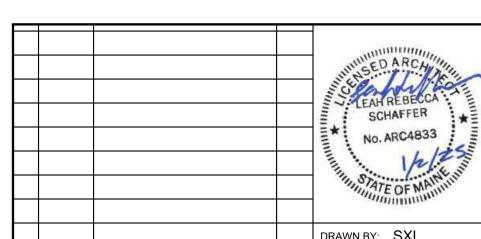
REMOVE GYPSUM BOARD CEILING SYSTEM

#### REMOVALS LEGEND

EXISTING (TO REMAIN) ---- EXISTING TO BE REMOVED







BY CHECK BY: LRS

NO. 22205.06

DATE 1/2/2025

DESCRIPTION

**REVISIONS** 

O. DATE

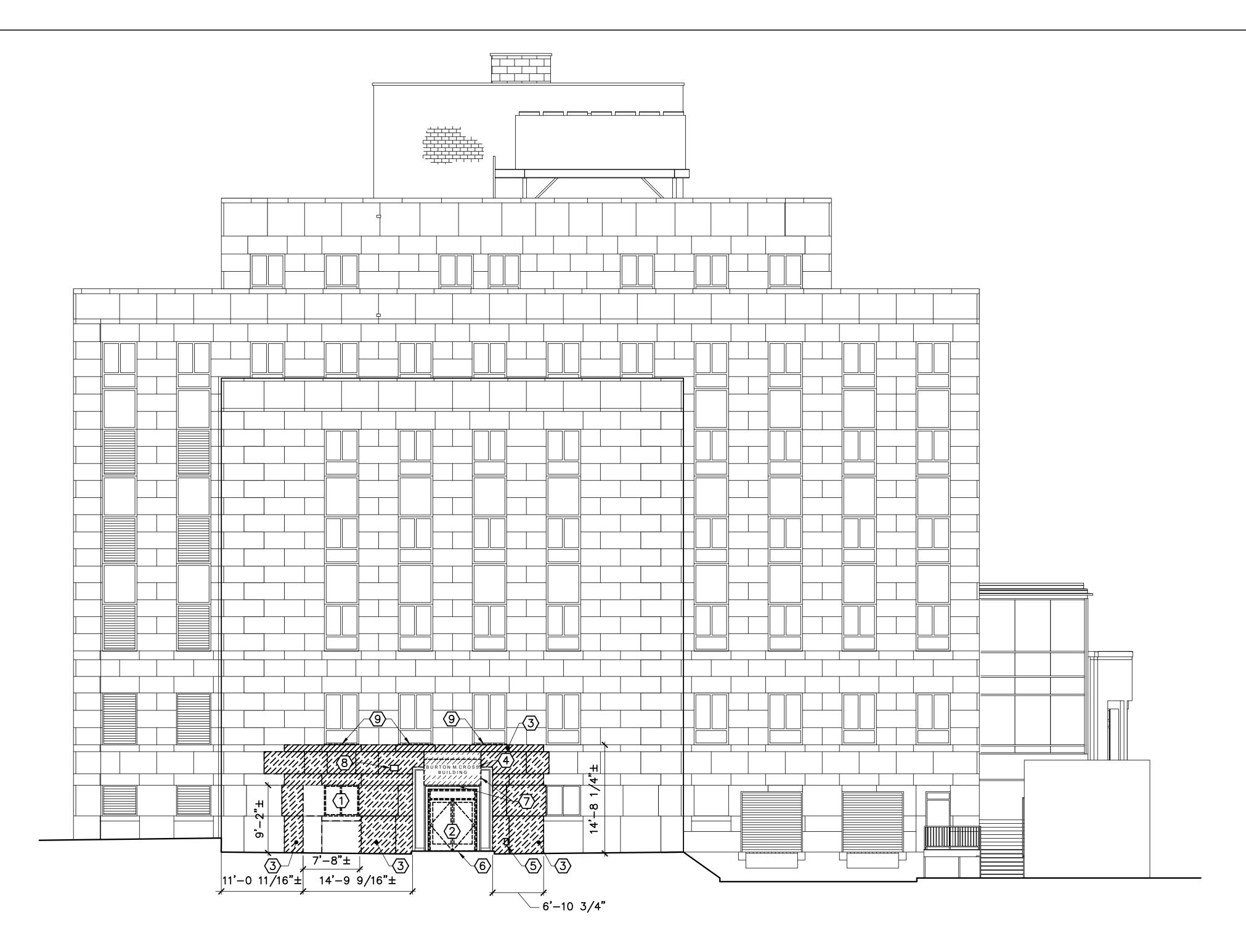
### STATE OF MAINE BGS TILE CROSS BUILDING AND STATE HOUSE SECURITY SCREENING CENTERS

PARTIAL SEVENTH FLOOR, PENTHOUSE, AND ROOF REMOVALS PLANS

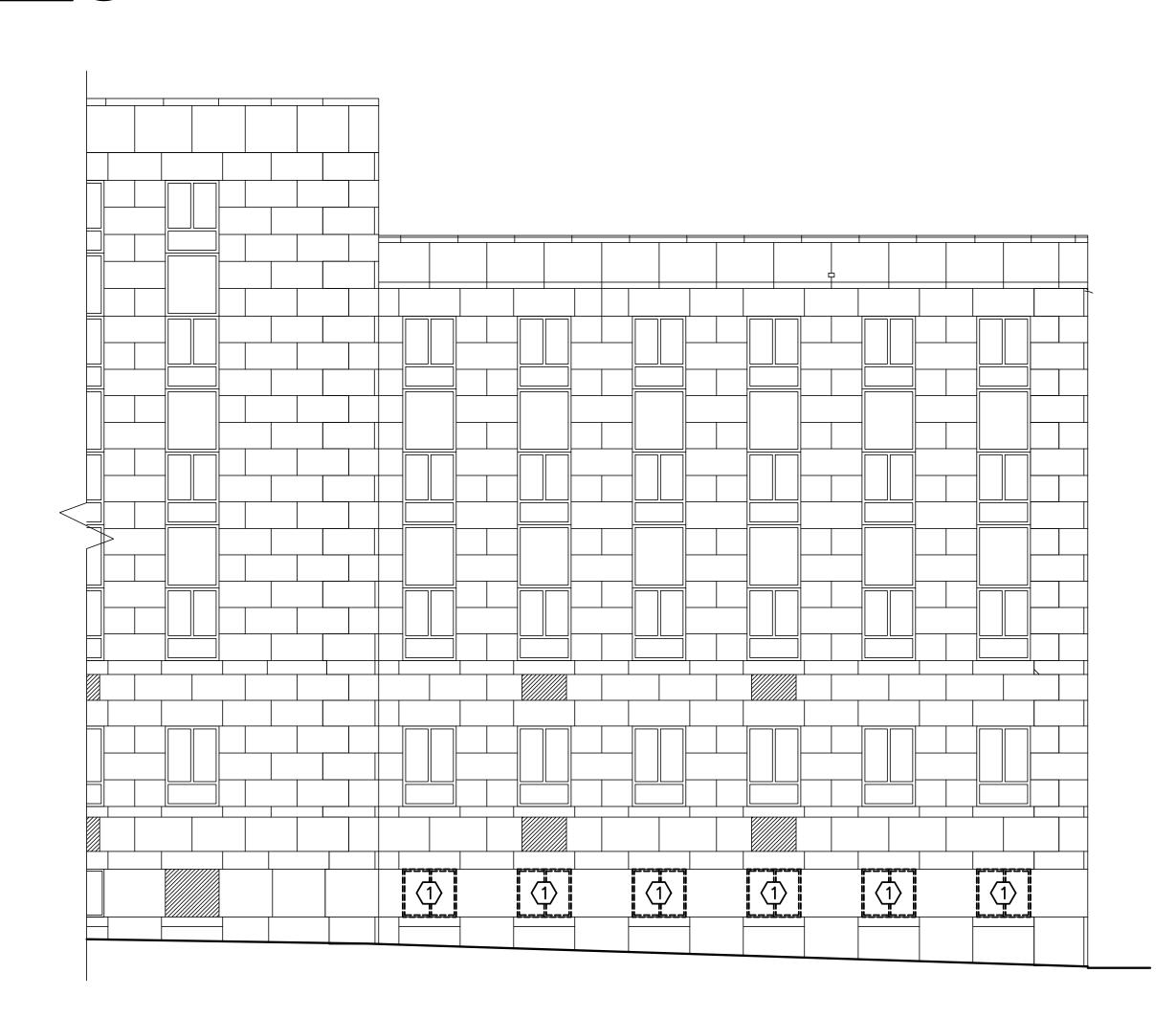
OAK POINT DA K DRAWING NO.

ASSOCIATES DO SHEET NO.

**GRAPHIC SCALE** CHECK GRAPHIC SCALE BEFORE USING



# AD101, AD103 SCALE: 1/8"=1'-0"



AD101, AD103 SCALE: 1/8"=1'-0"

#### GENERAL REMOVALS NOTES

- SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. ALL ITEMS ON THIS SHEET ARE EXISTING UNLESS NOTED OTHERWISE. VERIFY IN FIELD DIMENSIONS PRIOR TO COMMENCEMENT OF REMOVALS.
- 3. CONTRACTOR TO SCHEDULE PREDEMOLITION MEETING FOR REVIEW OF GRANITE PANELS AND EXTERIOR DEMOLITION WORK PRIOR TO REMOVALS.
- 4. PROVIDE TEMPORARY SUPPORT OF GRANITE VENEER PANELS ABOVE THOSE BEING REMOVED.

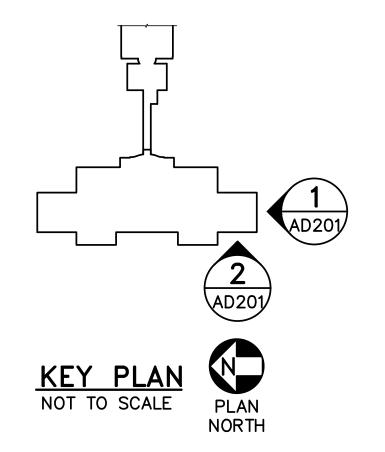
#### REMOVALS KEYNOTES (THIS SHEET ONLY)

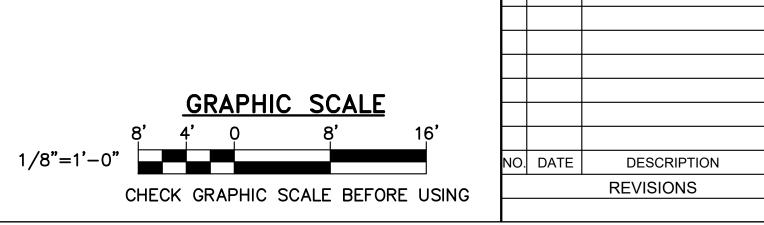
- REMOVE ALUMINUM FRAMED STOREFRONT WINDOWS. EXISTING FLASHING AND BLOCKING TO REMAIN AT WEST ELEVATION OPENINGS.
- 2 REMOVE ALUMINUM ENTRY DOOR AND TRANSOM.
- REMOVE AND STORE GRANITE VENEER PANELS FOR REINSTALLATION. CUT OPENING IN GRANITE VENEER WALL WITH CONCRETE BACKUP 1'-1"+/- THICK FOR ENTRY DOOR OPENING. PROVIDE TEMP SHORING AS REQUIRED.
- 4 REMOVE CAST ALUMINUM BUILDING SIGNAGE AND RETURN TO OWNER.
- (5) REMOVE CONDUIT AND HOSE BIB.
- 6 REMOVE GRANITE STOOP. PREP AREA FOR CONCRETE SLAB INFILL. COORDINATE WITH STRUCTURAL DRAWINGS.
- REMOVE GRANITE 7"± CEILING PANEL AND 4"± THICK GRANITE PANEL FOR SIGNAGE. CARE TO BE TAKEN TO NOT DISTURB ADJACENT GRANITE PANELS AT JAMBS TO REMAIN.
- (8) CUT OPENING IN CONCRETE BACKUP WALL FOR DUCT PENETRATION. COORDINATE SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
- (9) CUT OUT EXISTING SEALANT JOINT AT WINDOW SILLS AND PREP FOR NEW FLASHING. CARE TO BE TAKEN TO NOT DISTURB EXISTING WINDOWS, WATERPROFING, AND BLOCKING.

#### REMOVALS LEGEND

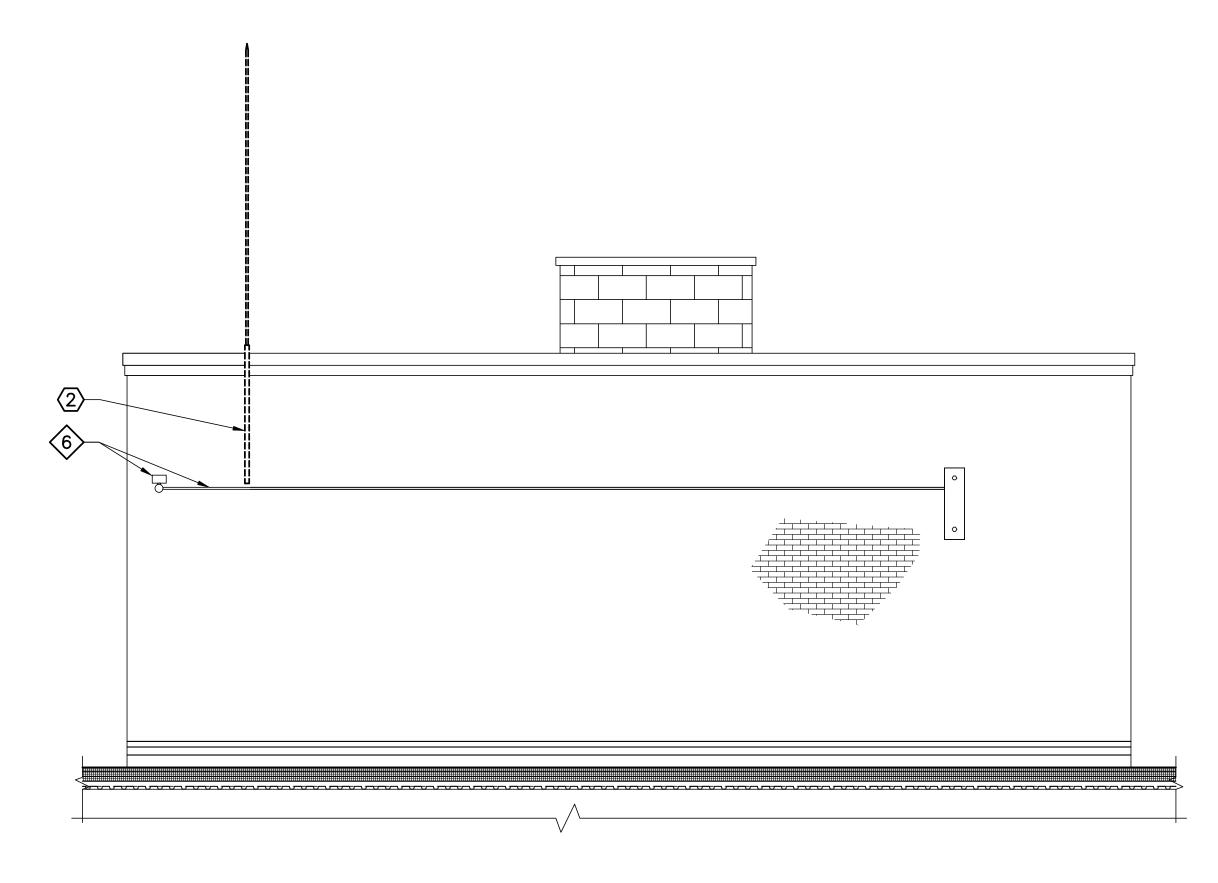
—— EXISTING (TO REMAIN)

---- EXISTING TO BE REMOVED

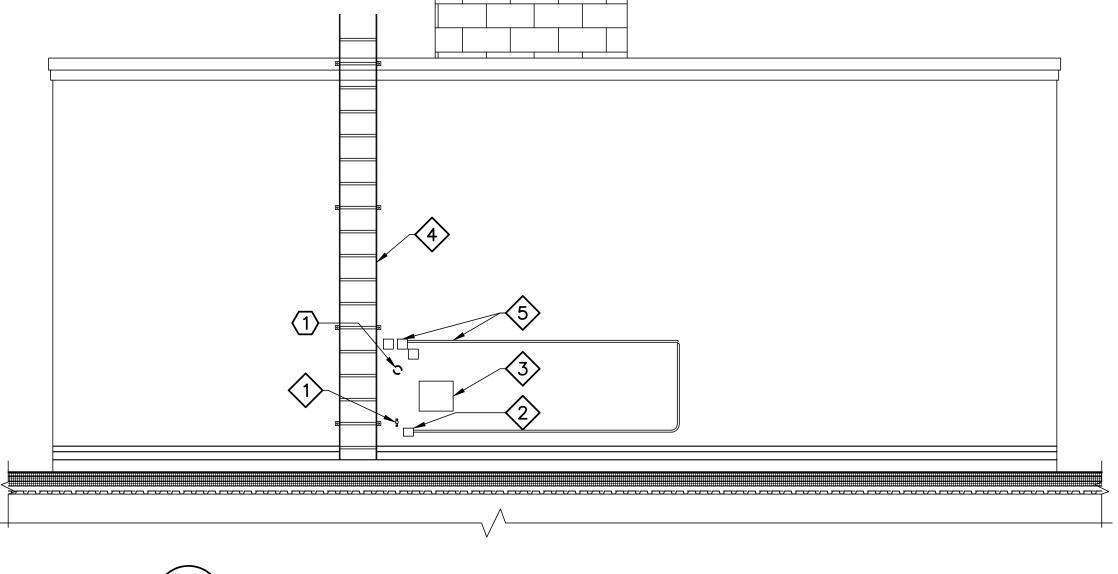






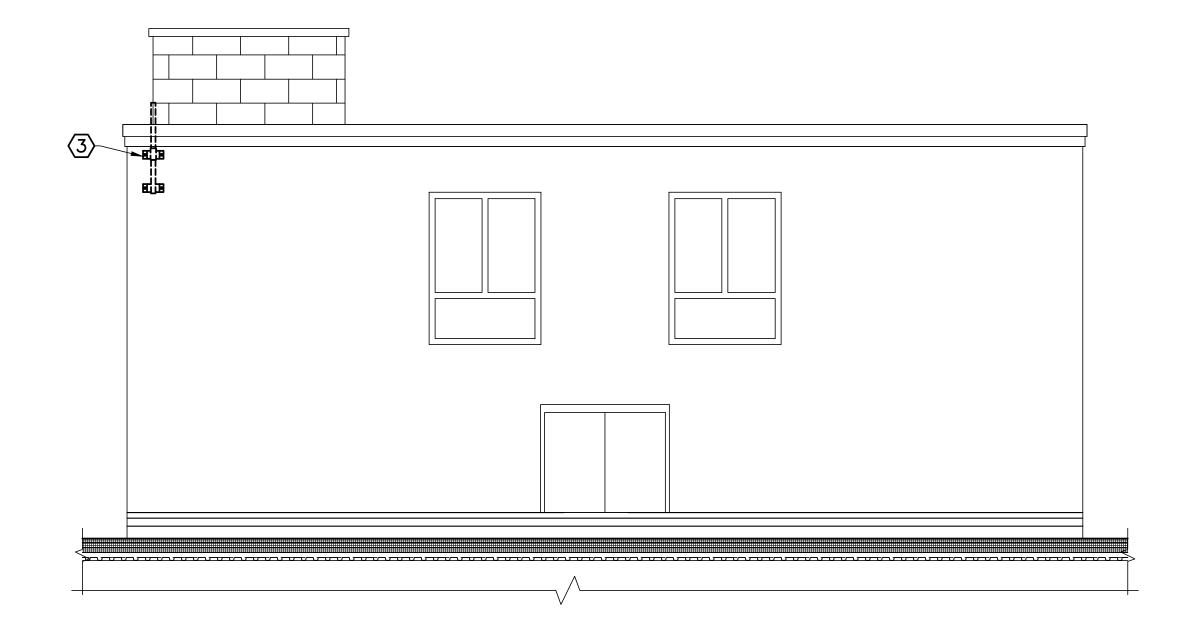


1 NORTH PENTHOUSE ELEVATION REMOVALS
AD202 SCALE: 1/4"=1'-0"

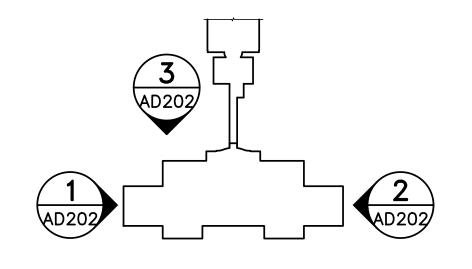


2 SOUTH PENTHOUSE ELEVATION REMOVALS

AD202 SCALE: 1/4"=1'-0"



3 EAST PENTHOUSE ELEVATION REMOVALS
AD202 SCALE: 1/4"=1'-0"



GENERAL REMOVALS NOTES

 SEE SHEET G-001 FOR GENERAL CONTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.

 ALL ITEMS ON THIS SHEET ARE EXISTING UNLESS NOTED OTHERWISE. VERIFY IN FIELD DIMENSIONS PRIOR TO COMMENCEMENT OF REMOVALS.

3. COORDINATE REMOVALS OF ALL ELECTRICAL DEVICES WITH ELECTRICAL REMOVALS DRAWINGS.

1 HOSE BIB

3 HOSE RACK.

(2) ELECTRICAL OUTLET.

4 WALL MOUNTED METAL LADDER.

6 EXTERIOR LIGHT FIXTURE AND CONDUIT.

REMOVALS KEYNOTES

REMOVALS LEGEND

---- EXISTING TO BE REMOVED

EXISTING KEYNOTE (THIS SHEET ONLY)

5 ELECTRICAL JUNCTION BOXES AND WALL MOUNTED CONDUIT.

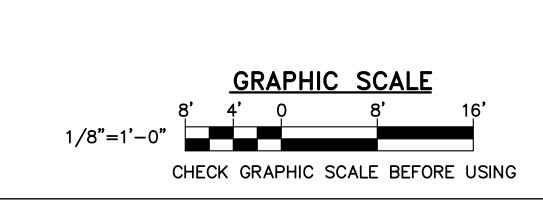
CORE DRILL 4 INCH DIA HOLE 58"+/- ABOVE INTERIOR SLAB FOR CABLE PENETRATION THROUGH 9"+/- THICK BRICK MASONRY WALL. SEE AD105 FOR LOCATION.

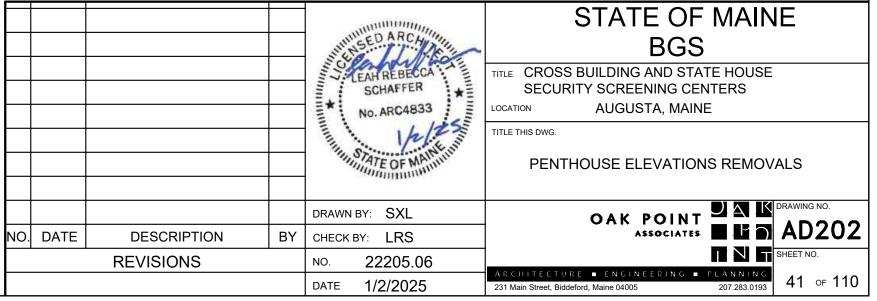
REMOVE "U" ANCHORS, THROUGH WALL CLAMPS, AND MAST PIPE SUPPORT FROM MASONRY WALL FOR EXISTING ANTENNA.

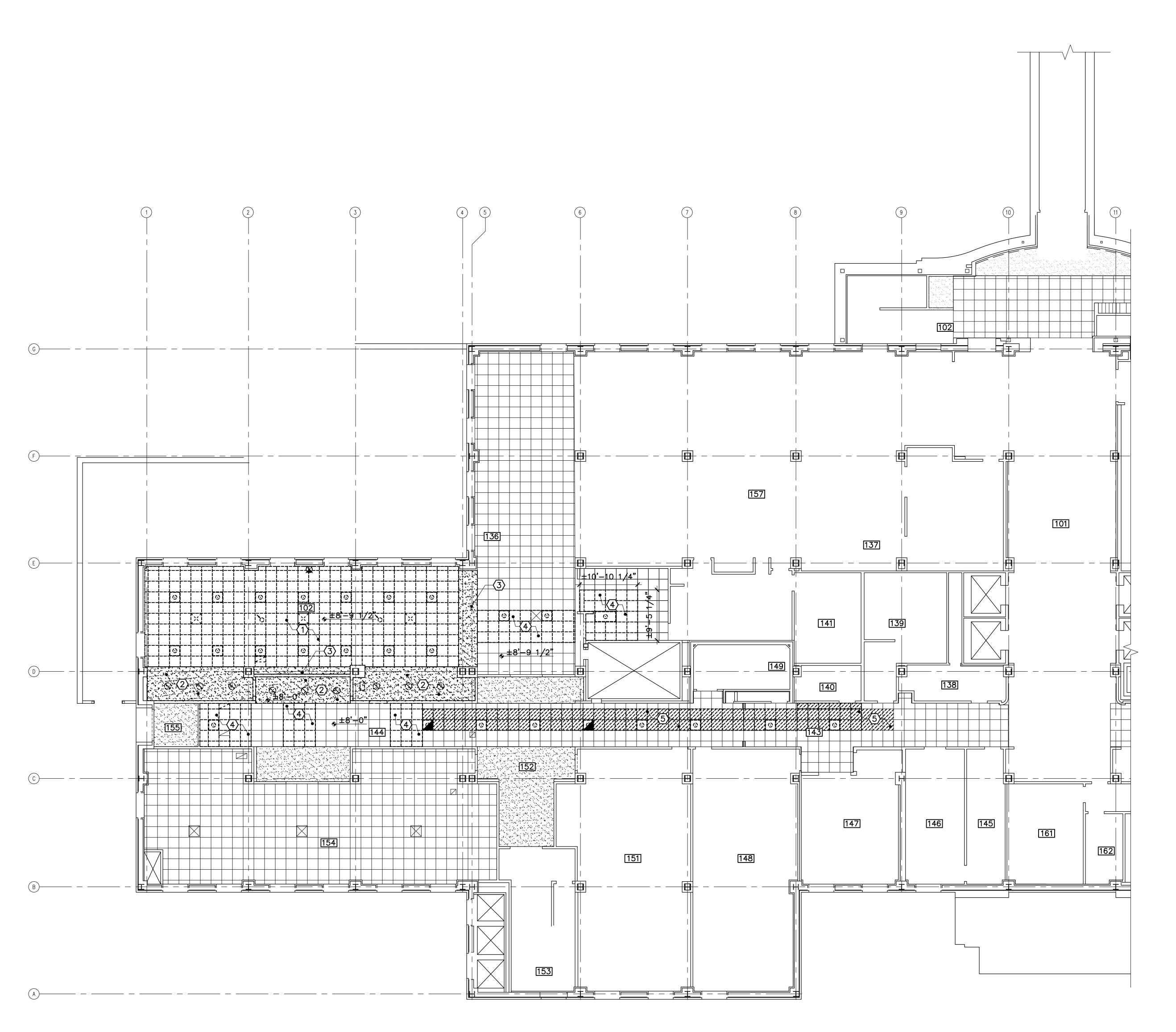
REMOVE STEEL WALL MOUNT AND WOOD BLOCKING FROM MASONRY FOR EXISTING ANTENNA.

- EXISTING (TO REMAIN)

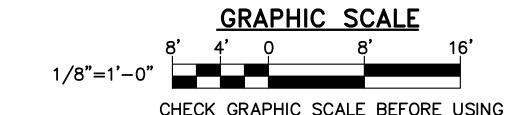








1 PARTIAL FIRST FLOOR REFLECTED CEILING REMOVALS PLAN AD701 SCALE: 1/8"=1'-0"



#### GENERAL REMOVALS NOTES

- 1. SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. ALL ITEMS ON THIS SHEET ARE EXISTING UNLESS NOTED OTHERWISE. VERIFY IN FIELD DIMENSIONS PRIOR TO COMMENCEMENT OF REMOVALS.
- 3. COORDINATE REMOVALS OF ALL CEILING DEVICES AND FIXTURES WITH ELECTRICAL DRAWINGS.
- 4. COORDINATE REMOVALS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL REMOVALS DRAWINGS.
- 5. CEILING TYPES ARE NOT SHOWN FOR AREAS OUTSIDE SCOPE OF WORK.

#### REMOVALS KEYNOTES (THIS SHEET ONLY)

- 1 REMOVE 2'x2' ACOUSTICAL PANEL CEILING TILES AND
- 2 REMOVE GYPSUM CEILING AND SUPPORT CEILING
- (3) REMOVE GYPSUM SOFFIT AND LIGHT GAUGE METAL SOFFIT FRAMING.
- (4) REMOVE AND STORE 2'x2' ACOUSTICAL PANEL CEILING TILE AND GRID FOR REINSTALLATION.
- (5) REMOVE 2'x2' ACOUSTICAL PANEL CEILING TILE AND STORE FOR REINSTALATION. EXISTING GRID IS TO

### REMOVALS CEILING LEGEND

EXISTING  $2'-0"\times2'-0"$ ACOUSTICAL CEILING TILE

SYSTEM REMOVE 2'-0"x2'-0"

ACOUSTICAL CEILING TILE SYSTEM. SEE KEYNOTES FOR AREAS OF TILE REMOVAL ONLY.

EXISTING GYPSUM BOARD CEILING SYSTEM

REMOVE GYPSUM BOARD CEILING SYSTEM

REMOVE GRANITE PANEL CEILING SYSTEM

EXISTING 2'-0"x2'-0" LED LIGHT FIXTURE

REMOVE 2'-0"x2'-0" LED LIGHT FIXTURE

EXISTING 2'-0"x4'-0" LED LIGHT FIXTURE

REMOVE 2'-0"x4'-0" LED LIGHT

EXISTING SUPPLY DIFFUSER

REMOVE SUPPLY DIFFUSER

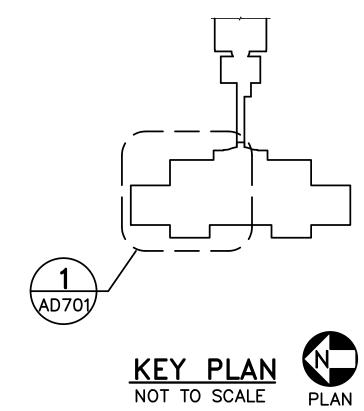
EXISTING RETURN DIFFUSER

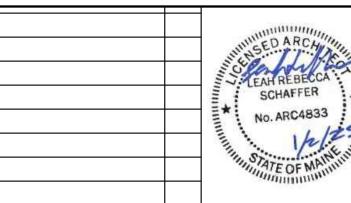
REMOVE RETURN DIFFUSER

EXISTING EXHAUST REGISTER

REMOVE EXHAUST REGISTER

CEILING AND/ OR SOFFIT HEIGHT





DATE 1/2/2025

DESCRIPTION

**REVISIONS** 

NO. DATE

STATE OF MAINE TITLE CROSS BUILDING AND STATE HOUSE SECURITY SCREENING CENTERS

PARTIAL FIRST FLOOR REFLECTED CEILING

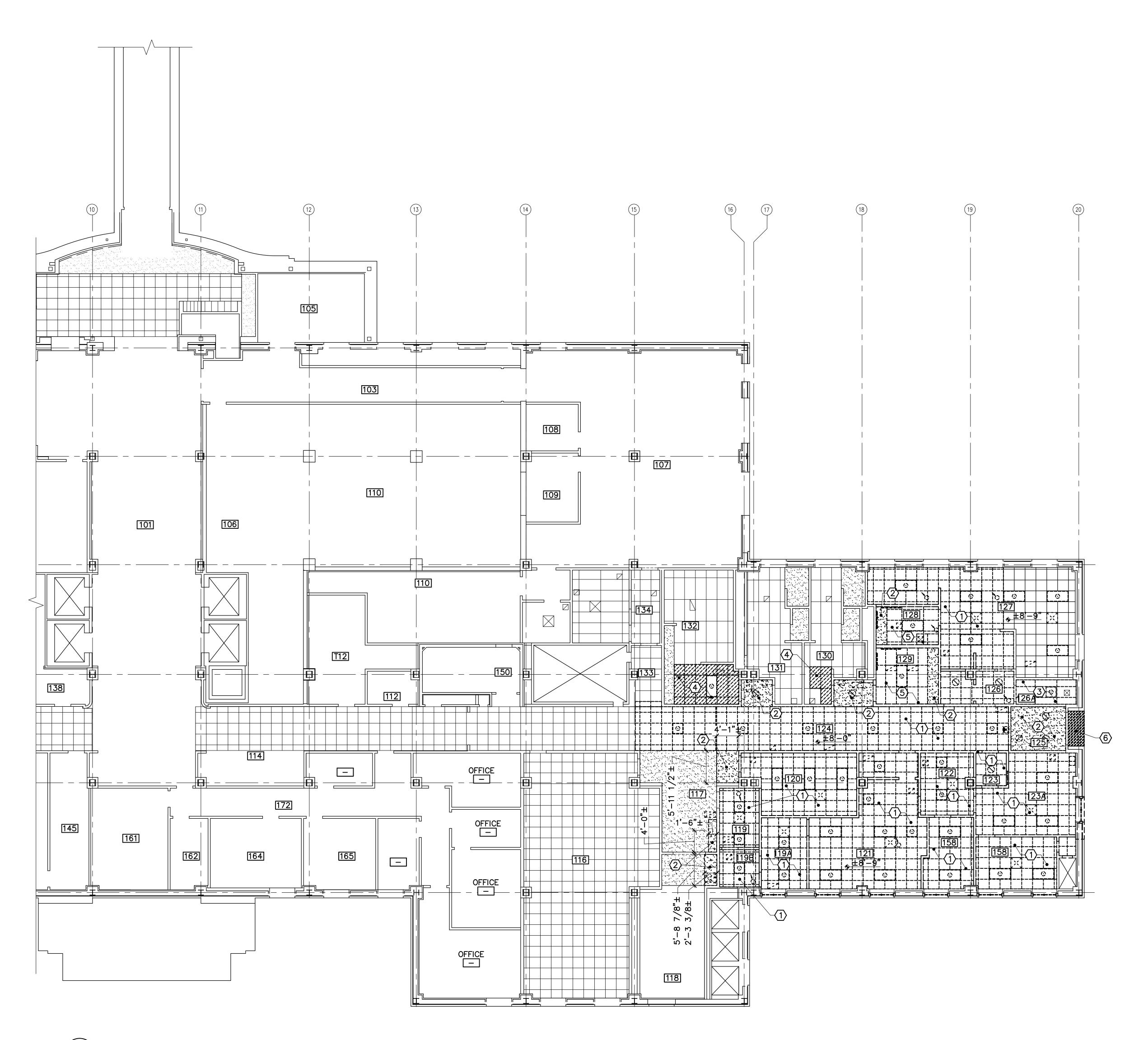
AUGUSTA, MAINE

REMOVALS PLAN 1 OAK POINT DAM DRAWING NO.

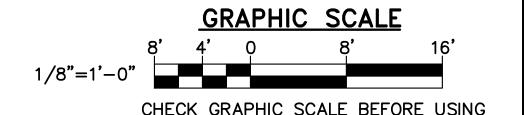
ASSOCIATES DAM AD701

SHEET NO.

BY CHECK BY: LRS NO. 22205.06



1 PARTIAL FIRST FLOOR REFLECTED CEILING REMOVALS PLAN AD702 SCALE: 1/8"=1'-0"



#### GENERAL REMOVALS NOTES

- 1. SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. ALL ITEMS ON THIS SHEET ARE EXISTING UNLESS NOTED OTHERWISE. VERIFY IN FIELD DIMENSIONS PRIOR TO COMMENCEMENT OF REMOVALS.
- 3. COORDINATE REMOVALS OF ALL CEILING MOUNTED DEVICES AND FIXTURES WITH ELECTRICAL DRAWINGS.
- 4. COORDINATE REMOVALS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL REMOVALS DRAWINGS
- 5. CEILING TYPES ARE NOT SHOWN FOR AREAS OUTSIDE SCOPE OF WORK.

#### REMOVALS KEYNOTES (THIS SHEET ONLY)

- 1 REMOVE 2'x2' ACOUSTICAL PANEL CEILING TILES AND
- 2 REMOVE GYPSUM CEILING AND/OR SOFFIT AND ASSOCIATED FRAMING ABOVE.
- 3 REMOVE AND STORE 2'x4' ACOUSTICAL PANEL CEILING TILES AND GRID FOR REINSTALLATION.
- (4) REMOVE AND STORE 2'x4' ACCOUNSTICAL PANEL TILES FOR REINSTLLATION.
- 5 REMOVE 2'X4' ACOUSTICAL PANEL CEILING TILES AND
- 6 REMOVE GRANITE PANEL CEILING. COORDINATE LIGHT FIXTURE REMOVAL WITH ELECTRICAL DRAWINGS.

#### REMOVALS CEILING LEGEND

EXISTING 2'-0"x2'-0" ACOUSTICAL CEILING TILE

REMOVE 2'-0"x2'-0"

ACOUSTICAL CEILING TILE SYSTEM. SEE KEYNOTES FOR AREAS OF TILE REMOVAL ONLY.

REMOVE GRANITE PANEL

REMOVE 2'-0"x2'-0" LED LIGHT

EXISTING GYPSUM BOARD CEILING SYSTEM

REMOVE GYPSUM BOARD CEILING SYSTEM

CEILING SYSTEM

EXISTING 2'-0"x2'-0" LED LIGHT FIXTURE

FIXTURE

EXISTING 2'-0"x4'-0" LED LIGHT FIXTURE

REMOVE 2'-0"x4'-0" LED LIGHT

EXISTING SUPPLY DIFFUSER

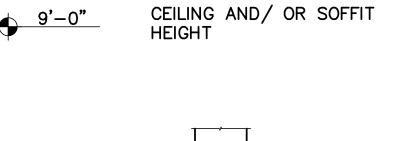
REMOVE SUPPLY DIFFUSER

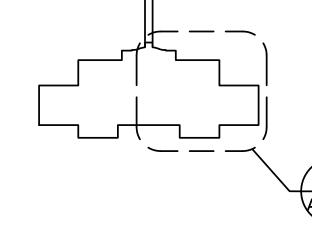
EXISTING RETURN DIFFUSER

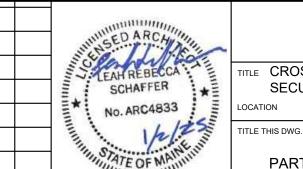
REMOVE RETURN DIFFUSER

EXISTING EXHAUST REGISTER

REMOVE EXHAUST REGISTER







BY CHECK BY: LRS

NO. 22205.06

DATE 1/2/2025

DESCRIPTION

**REVISIONS** 

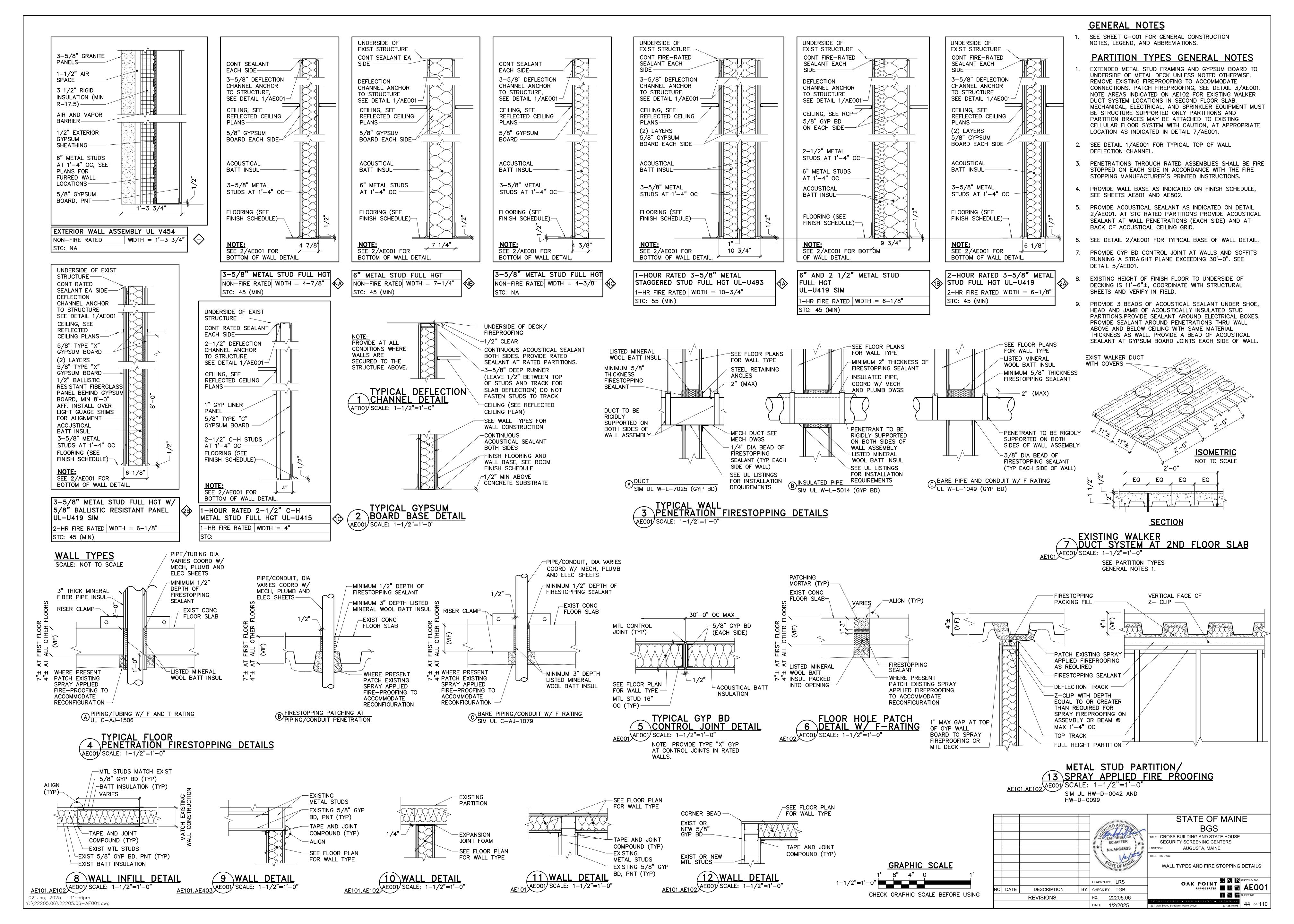
STATE OF MAINE CROSS BUILDING AND STATE HOUSE SECURITY SCREENING CENTERS AUGUSTA, MAINE

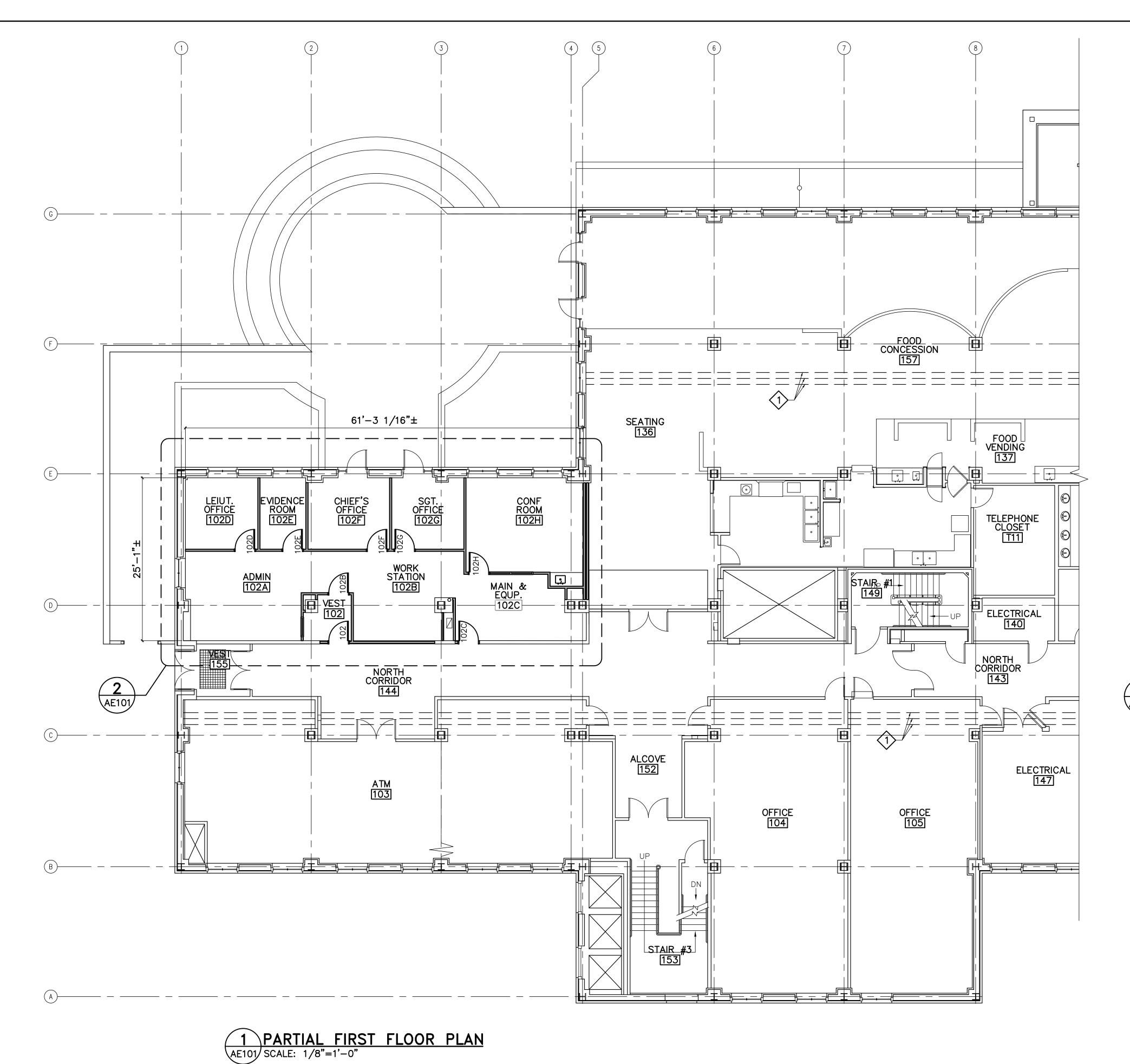
PARTIAL FIRST FLOOR REFLECTED CEILING REMOVALS PLAN 2

OAK POINT DAL DRAWING NO.

ASSOCIATES DE DA AD702

SHEET NO.



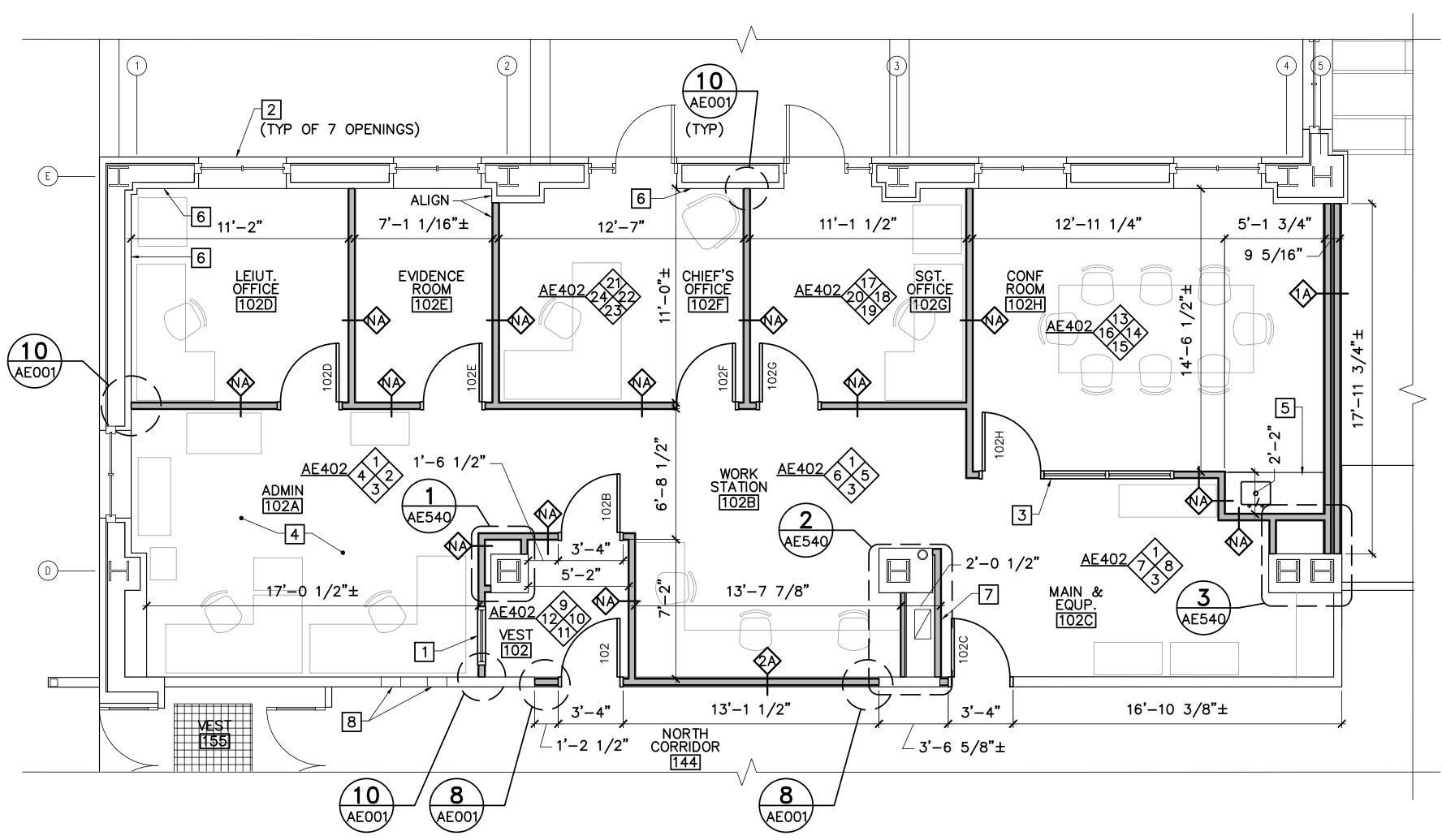


- 1. SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. ALL DIMENSIONS ARE TO FACE OF EXISTING FINISHES AT EXISTING WALLS OR ROUGH FRAMING OF ALL NEW WALLS UNLESS NOTED OTHERWISE.
- 3. THROUGHOUT WORK AREA, REPAIR EXISTING SPRAY-APPLIED FIREPROOFING DISPLACED BY CONSTRUCTION ACTIVITIES OR THAT IS CURRENTLY MISSING. REPAIR MUST PROVIDE EQUIVALENT FIRE RATING OF ADJACENT SPRAY-APPLIED FIREPROOFING. FIELD VERIFY AND DOCUMENT THE EXISTING THICKNESS PRESENT ON STRUCTURAL MEMBER TO BE PATCHED PRIOR TO WORK. FOR BIDDING PURPOSES ASSUME 75 LINEAR FEET OF PATCH AND/OR REPAIR WORK FOR NORTH END OF BUILDING.
- 4. FILL, PATCH, PAINT, OR OTHERWISE REFINISH EXISTING SURFACES DISTURBED BY REMOVALS OR RELOCATION WORK TO MATCH EXISTING.
- 5. THE LOCATIONS OF ALL DOOR OPENINGS NOT DIMENSIONED SHALL BE 6" FROM ADJACENT WALL (FACE OF FRAMING TO ROUGH OPENING).
- 6. SEE 13/AE101 FOR TOP OF WALL DETAIL TO EXISTING AND/OR NEW FIREPROOFING AT ASSEMBLY AND STEEL BEAMS ABOVE.

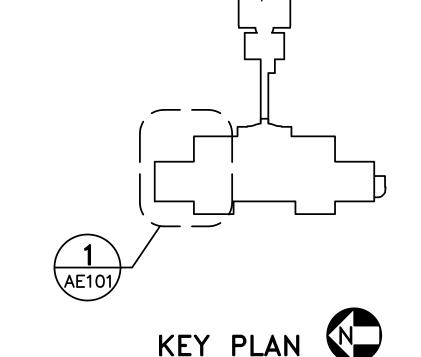
- KEYNOTES (THIS SHEET ONLY)
- 1 WALK-UP TRANSACTION WINDOW, SEE DETAIL 1/AE581.
- PRIVACY AND SECURITY FILM AT EXISTING EXTERIOR GLAZING. BASIS OF DESIGN 3M SCOTCHSHEILD ULTRA SAFETY AND SECURITY.
- 3 HOLLOW METAL TRANSOM WINDOWS.
- 4 CARPET TILE FLOORING. SEE SHEET AE801 FOR ROOM FINISH SCHEDULE.
- 5 UPPER AND LOWER P-LAM CABINETS. SEE SHEETS AE402
- 6 PATCH WHERE 3/4" x 1'-6" HIGH PLYWOOD BASE WAS REMOVED.
- 7 PROVIDE 1'-4" x 1'-4" RECESSED METAL ACCESS HATCH FOR MECHANICAL ACCESS. COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
- 8 PATCH AT METAL STUD AND GYPSUM PARTITION ABOVE CEILING WHERE DUCTS WERE REMOVED AND FIRE DAMPER HAS BEEN PROVIDED. MATCH WIDTH OF EXISTING CONSTRUCTION AND MAINTAIN 2-HR FIRE RATED WALL CONSTRUCTION. ALL GYPSUM BOARD JOINTS TO BE TAPED AND MUDDED.

#### EXISTING KEYNOTE (THIS SHEET ONLY)

(1) WALKER DUCT SYSTEM IN SECOND FLOOR SLAB ABOVE. SEE DETAIL 7/AE001 AND GENERAL NOTE 1 ON AE001.

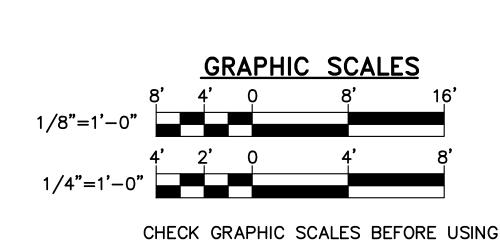


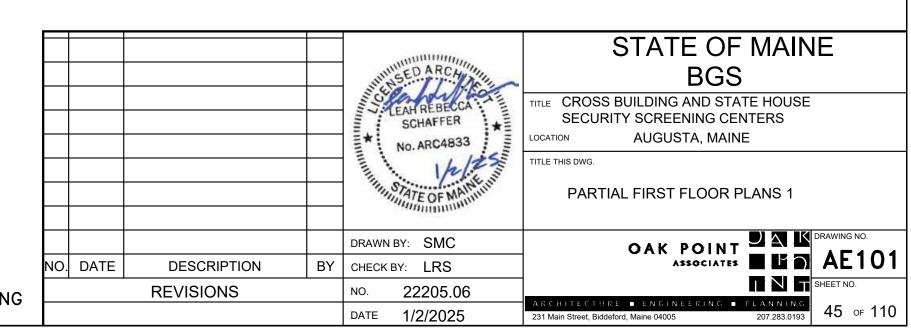
2 ENLARGED FIRST FLOOR PLAN
AE101 SCALE: 1/4"=1'-0"

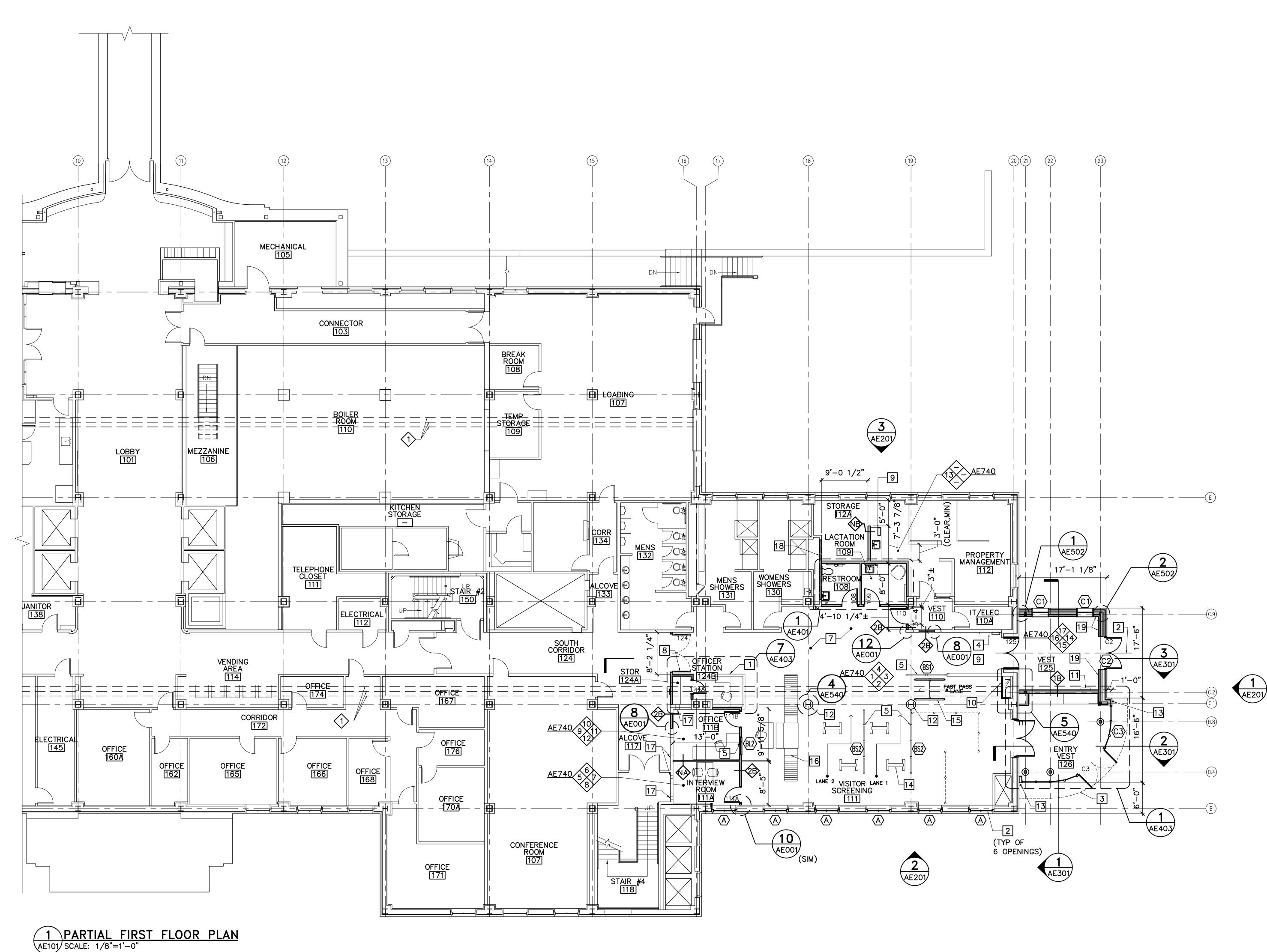


KEY PLAN
NOT TO SCALE









- 1. SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. ALL DIMENSIONS ARE TO FACE OF EXISTING FINISHES AT EXISTING WALLS OR ROUGH FRAMING OF ALL NEW WALLS UNLESS NOTED OTHERWISE.
- 3. THROUGHOUT WORK AREA, REPAIR EXISTING SPRAY—APPLIED FIREPROOFING DISPLACED BY CONSTRUCTION ACTIVITIES OR THAT IS CURRENTLY MISSING. REPAIR MUST PROVIDE EQUIVALENT FIRE RATING OF ADJACENT SPRAY—APPLIED FIREPROOFING. FIELD VERIFY AND DOCUMENT THE EXISTING THICKNESS PRESENT ON STRUCTURAL MEMBER TO BE PATCHED PRIOR TO WORK.
- 4. FILL, PATCH, PAINT, OR OTHERWISE REFINISH EXISTING SURFACES DISTURBED BY REMOVALS OR RELOCATION WORK TO MATCH EXISTING.
- 5. THE LOCATIONS OF ALL DOOR OPENINGS NOT DIMENSIONED SHALL BE 6" FROM ADJACENT WALL (FACE OF FRAMING TO ROUGH OPENING).

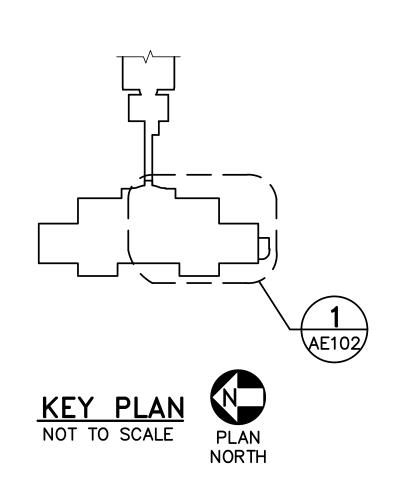
#### KEYNOTES (THIS SHEET ONLY)

- 1 BUILT-IN CAPITAL POLICE DESK. SEE DETAILS ON AE580.
- CONTRACTOR TO CONFIRM CENTERLINE OF EXISTING EXTERIOR DOOR AND DOOR C2 WITH FIELD LAYOUT PRIOR TO FORMING FOUNDATION.
- 3 ENTRY CANOPY ABOVE.
- 4 ALARM PANEL. COORDINATE WITH ELECTRICAL DRAWINGS.
- 5 UL LEVEL 3 BALLISTIC STOREFRONT.
- 6 BALLISTIC LEVEL 3 ALUMINUM FRAMED WINDOWS.
- 7 RESILIENT FLOORING. SEE FINISH SCHEDULE ON AE801.
- EMERGENCY DOOR ON MAG HOLD OPENS. SEE ELECTRICAL
- 8 SHEETS FOR ADDITIONAL INFORMATION.
- 9 PATCH AT CONCRETE FLOOR SLAB. SEE DETAIL 6/AE001.
- PROVIDE 1'-4" x 1'-4" RECESSED METAL ACCESS PANEL FOR MECHANICAL ACCESS. COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
- 11 REINSTALL RECESSED KNOX BOX FINAL LOCATION TO BE COORDINATED WITH AUGUSTA FIRE DEPARTMENT.
- DECORATIVE METAL COLUMN COVER (TYP OF 2). SEE DETAIL 4/AE540.
- [13] 3" ROUND ALUMINUM DOWNSPOUT WITH KYNAR FINISH.
- SECURITY SCREENING EQUIPMENT PROVIDE BY OWNER. FINAL LOCATION TO BE REVIEWED IN FIELD WITH OWNER/ARCHITECT. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- TURNSTILE PROVIDED BY OWNER. FINAL LOCATION TO BE REVIEWED IN FIELD WITH OWNER/ARCHITECT. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 16 BAGGAGE X-RAY SCANNER PROVIDED BY OWNER. FINAL LOCATION TO BE REVIEWED IN FIELD WITH OWNER/ARCHITECT. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- PATCH AT METAL STUD AND GYPSUM PARTITION ABOVE CEILING WHERE DUCTS WERE REMOVED. MATCH WIDTH OF EXISTING CONSTRUCTION AND MAINTAIN 2—HR FIRE RATED WALL CONSTRUCTION. ALL GYPSUM BOARD JOINTS TO BE TAPED AND MUDDED. SEE MECHANICAL DRAWINGS FOR SIZES
- PATCH AT METAL STUD AND GYPSUM PARTITION WHERE PLUMBING ACCESS WAS REQUIRED. MATCH WIDTH OF EXISTING CONSTRUCTION. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- PROVIDE 3-5/8" MTL STUD WALL AT 1'-4" OC TO INTERIOR SIDE OF EXTERIOR WALLS. OFFSET FURRED WALL BY 1 INCH. SEE DETAILS OF AE501 AND AE540.

## EXISTING KEY (1) WALKER DUCT SYSTEM I

#### EXISTING KEYNOTE (THIS SHEET ONLY)

WALKER DUCT SYSTEM IN SECOND FLOOR SLAB ABOVE. SEE 7/AE001 AND GENERAL NOTE 1 ON AE001.



GRAPHIC SCALE

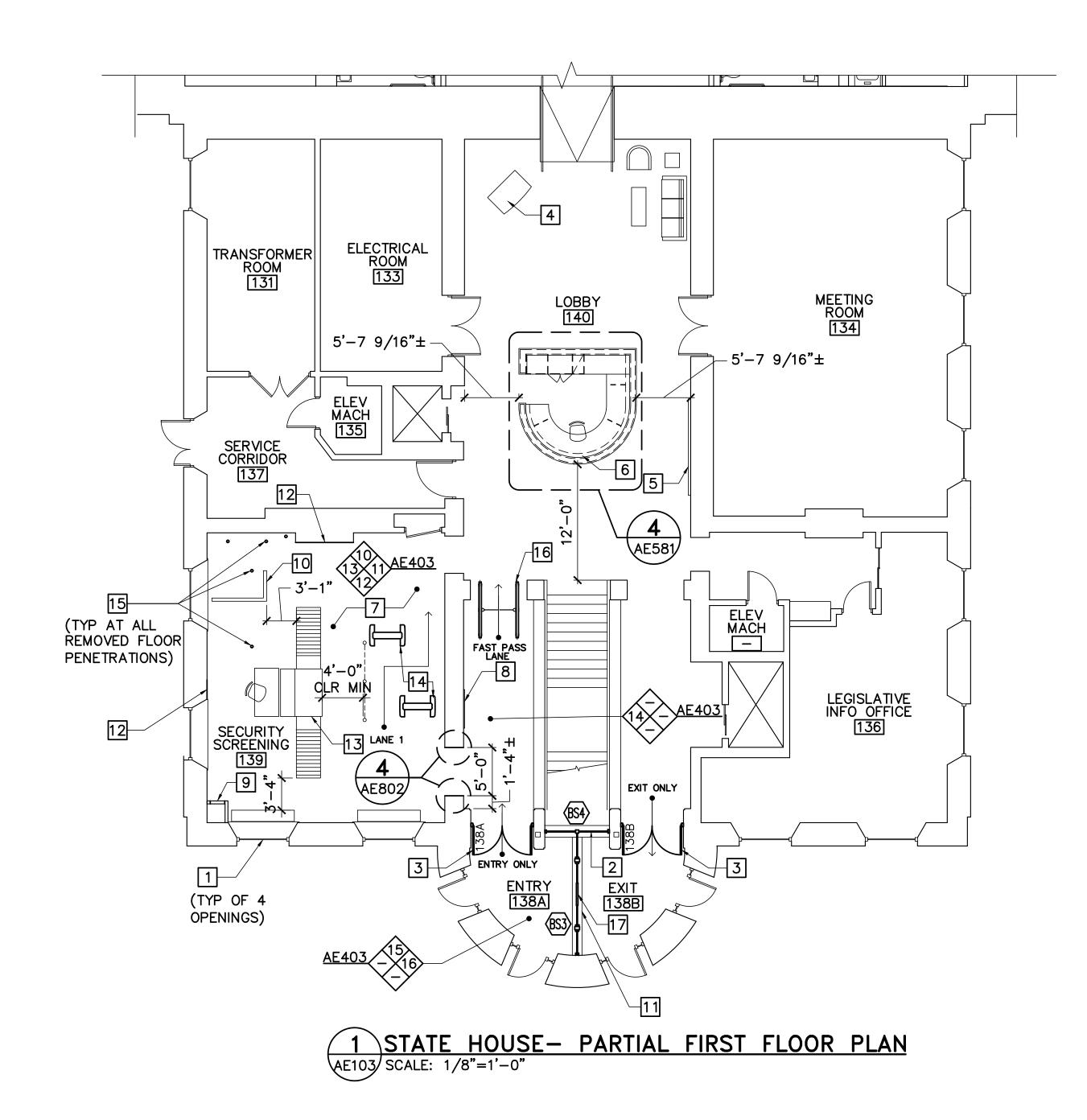
8' 4' 0 8' 16'

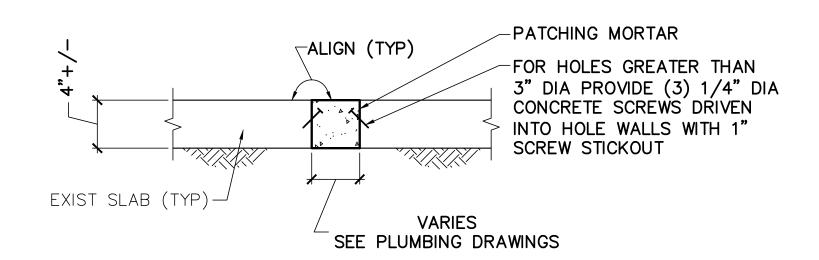
1/8"=1'-0"

CHECK GRAPHIC SCALE BEFORE USING



DATE 1/2/2025





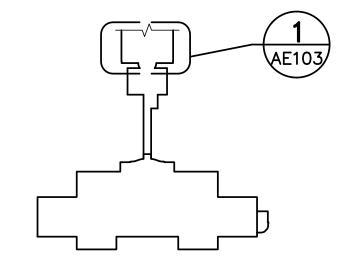
2 TYP SLAB INFILL DETAIL AT PLUMBING PENETRATION
AE103 SCALE: 1-1/2"=1'-0"

#### GENERAL NOTES (THIS SHEET ONLY)

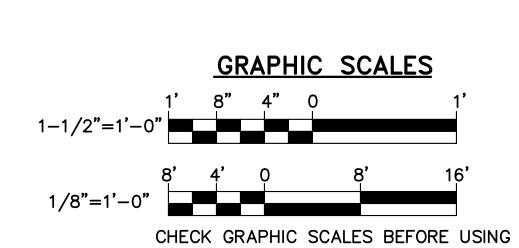
- SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. ALL DIMENSIONS ARE TO FACE OF EXISTING FINISHES AT EXISTING WALLS OR ROUGH FRAMING OF ALL NEW WALLS UNLESS NOTED OTHERWISE.
- 3. FILL, PATCH, PAINT, OR OTHERWISE REFINISH EXISTING SURFACES DISTURBED BY REMOVALS OR RELOCATION WORK TO MATCH EXISTING.

#### KEYNOTES (THIS SHEET ONLY)

- 1 PRIVACY AND SECURITY FILM AT EXISTING EXTERIOR GLAZING. BASIS OF DESIGN 3M SCOTCHSHEILD ULTRA SAFETY AND SECURITY.
- 2 ALUMINUM STOREFRONT SYSTEM BALLISTIC RATED UL LEVEL 3.
- 3 BALLISTIC RATED ALUMINUM STOREFRONT ENTRY DOORS UL LEVEL 3.
- 4 REINSTALL STATE HOUSE TOUR STATION.
- 5 COPPER ART WORK TO BE RELOCATED AND REINSTALLED BY OWNER.
- 6 BUILT-IN BALLISTIC RATED CAPITAL POLICE DESK. SEE DETAILS AND ENLARGED PLANS ON AE581.
- 7 CARPET TILE FLOORING. SEE AE802.
- 8 REINSTALL SIGNAGE DIRECTORY.
- 9 PROVIDE 18 INCH BY 18 INCH RECESSED METAL ACCESS PANEL FOR WATER MAIN VALVE.
- PARTIAL HEIGHT PARTITION FOR SCREENING AREA. TO BE FURNISHED AND INSTALLED BY OWNER.
- GRANITE CURB BELOW. MATCH HEIGHT OF ADJACENT CURB.
- PATCH GYP WALL AT REMOVAL OF SECURITY GRILLE DOOR.
- BAGGAGE SECURITY SCREENING EQUIPMENT PROVIDED BY OWNER. FINAL LOCATIONS TO BE REVIEWED IN FIELD WITH OWNER/ARCHITECT. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 14 WALKTHROUGH SECURITY SCREENING EQUIPMENT PROVIDED BY OWNER. FINAL LOCATIONS TO BE REVIEWED IN FIELD WITH OWNER/ARCHITECT. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- PATCH 4 INCH+/- CONCRETE SLAB AT REMOVED PLUMBING PENETRATION AND FLOOR DRAINS. SEE PLUMBING DRAWINGS FOR SIZES AND DETAIL 2/AE103 FOR ADDITIONAL INFORMATION.
- 16 INSTALL OWNER PROVIDED ADA COMPLIANT TURNSTILE. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- REINSTALL SALVAGED STOREFRONT WITH STATE SEAL. SEE 3/AE602 FOR ADDITIONAL INFORMATION.





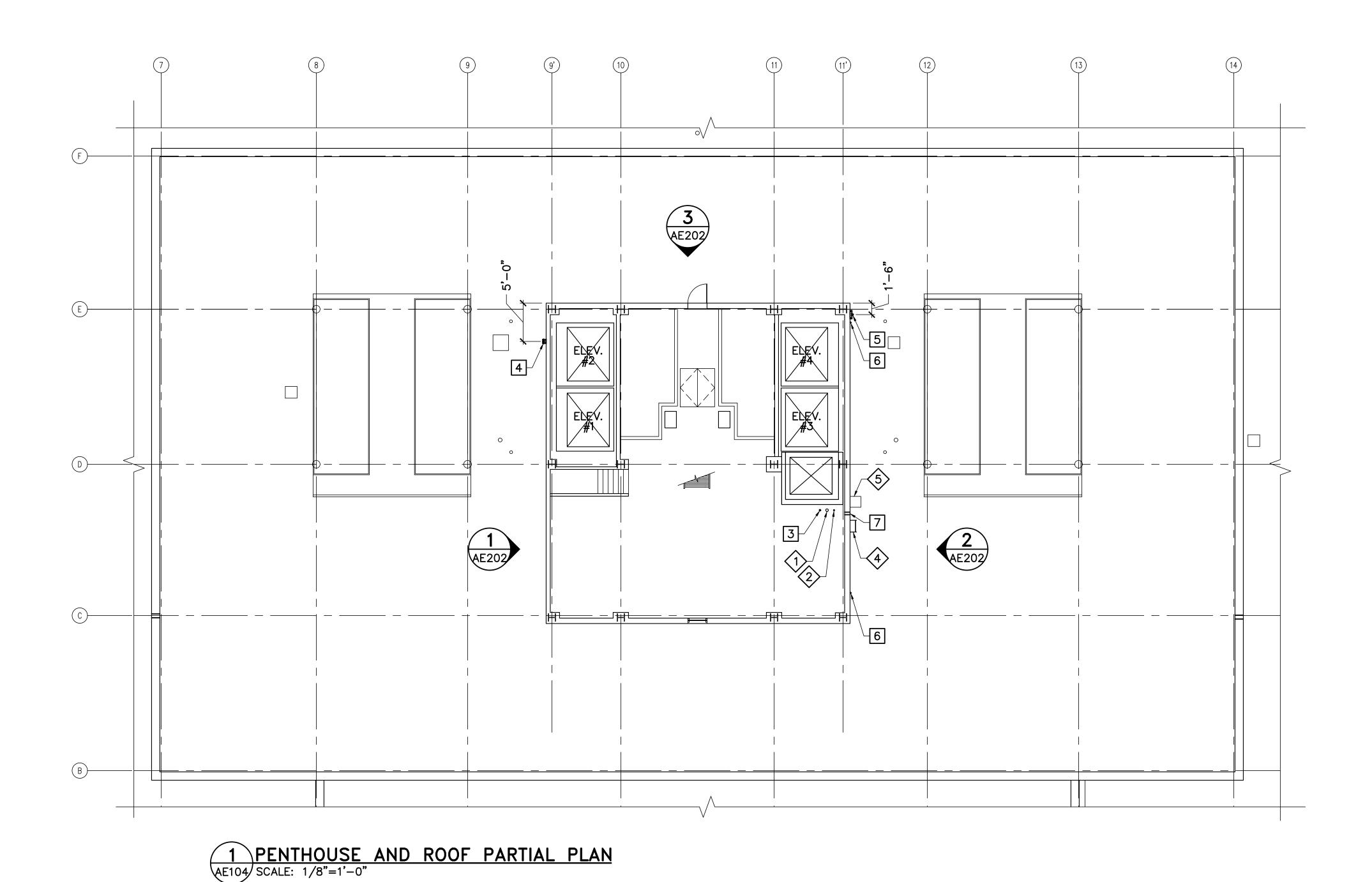


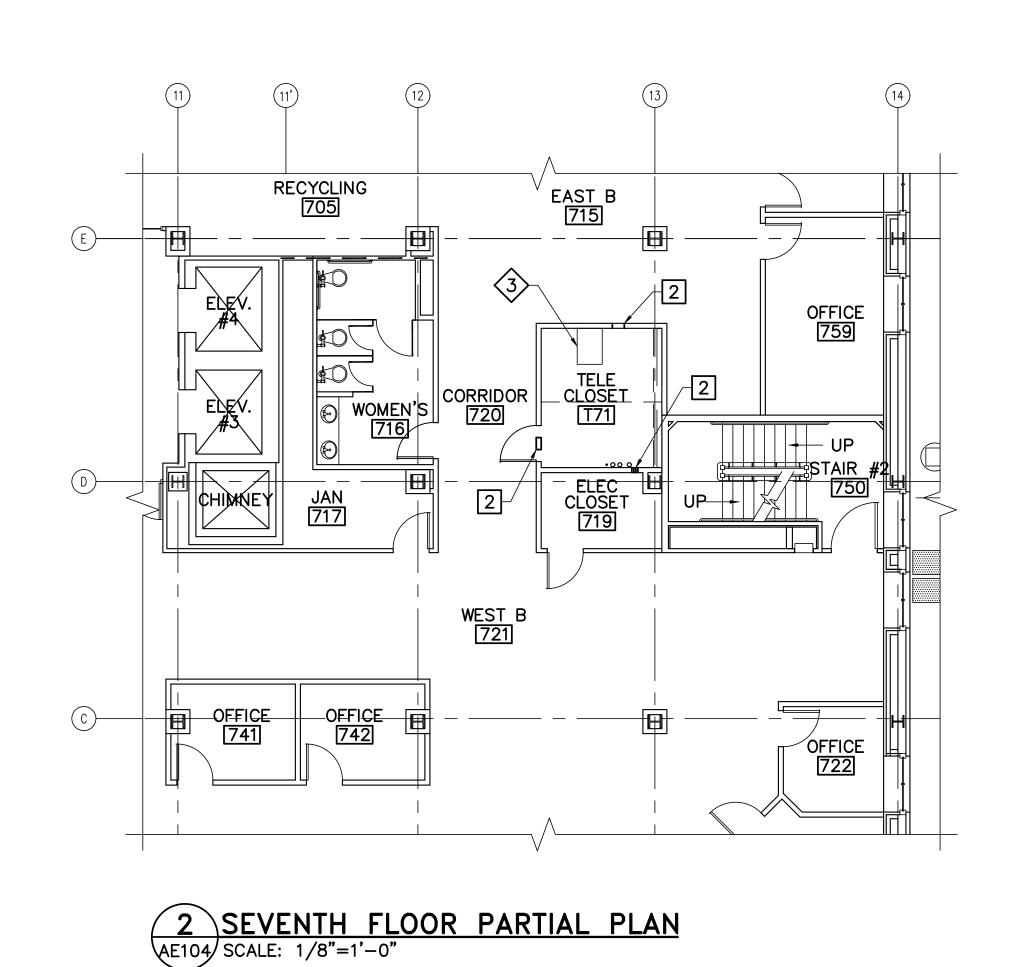
STATE OF MAINE BGS
TLE CROSS BUILDING AND STATE HOUSE SECURITY SCREENING CENTERS SCHAFFER AUGUSTA, MAINE No. ARC4833 STATE HOUSE - PARTIAL FIRST FLOOR PLAN OAK POINT ASSOCIATES DAMING NO.

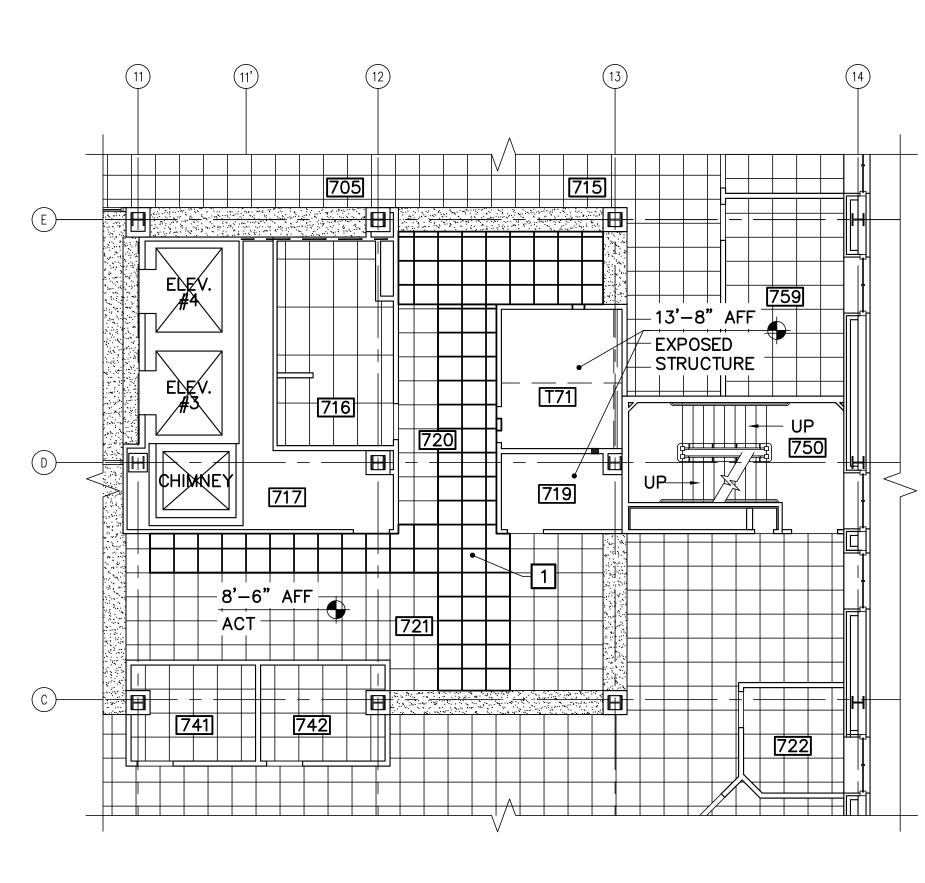
ASSOCIATES DAMING NO.

AE103

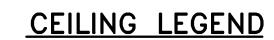
SHEET NO. NO. DATE DESCRIPTION BY CHECK BY: LRS NO. 22205.06 REVISIONS DATE 1/2/2025







3 SEVENTH FLOOR PARTIAL REFLECTED CEILING PLAN
AE104 SCALE: 1/8"=1'-0"



EXISTING  $2'-0"\times2'-0"$ ACOUSTICAL CEILING TILE SYSTEM

2'-0"x2'-0" ACOUSTICAL CEILING TILE SYSTEM

EXISTING GYPSUM BOARD CEILING SYSTEM

GYPSUM BOARD CEILING SYSTEM

EXISTING  $2'-0"\times2'-0"$  LED LIGHT FIXTURE 2'-0"x2'-0" LED LIGHT FIXTURE

EXISTING 2'-0"x4'-0" LED

LIGHT FIXTURE 2'-0"x4'-0" LED LIGHT FIXTURE

EXISTING SUPPLY DIFFUSER

SUPPLY DIFFUSER

EXISTING RETURN DIFFUSER

RETURN DIFFUSER

EXISTING EXHAUST REGISTER

EXHAUST REGISTER

CEILING AND/ OR SOFFIT HEIGHT

#### **GENERAL NOTES**

- SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL SHEETS.
- 3. COORDINATE MECHANICAL REQUIREMENTS WITH MECHANICAL SHEETS.
- 4. ALL DIMENSIONS ARE TO FACE OF EXISTING FINISHES AT EXISTING WALLS OR ROUGH FRAMING OF ALL NEW WALLS UNLESS NOTED OTHERWISE.
- 5. THROUGHOUT WORK AREA, REPAIR EXISTING SPRAY-APPLIED FIREPROOFING DISPLACED BY CONSTRUCTION ACTIVITIES OR THAT IS CURRENTLY MISSING. REPAIR MUST PROVIDE EQUIVALENT FIRE RATING OF ADJACENT SPRAY-APPLIED FIREPROOFING. FIELD VERIFY AND DOCUMENT THE EXISTING THICKNESS PRESENT ON STRUCTURAL MEMBER TO BE PATCHED PRIOR TO WORK.
- 6. FILL, PATCH, PAINT, OR OTHERWISE REFINISH EXISTING SURFACES DISTURBED BY REMOVALS OR RELOCATION WORK TO MATCH EXISTING.

### **EXISTING KEYNOTES** (THIS SHEET ONLY)

1) 4 INCH DIAMETER SPRINKLER PIPE THROUGH FLOOR.

 $\langle 2 \rangle$  1-1/2 INCH CONDUIT THROUGH FLOOR.

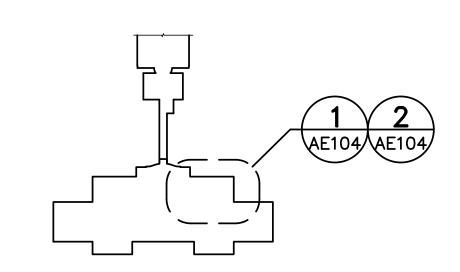
3 IT RACK.

4 METAL WALL MOUNTED LADDER.

(5) WALL MOUNTED HOSE RACK.

#### KEYNOTES (THIS SHEET ONLY)

- 1 REINSTALL 2'-0" X 2'-0" ACT CEILING TILES AND GRID.
- 2 PATCH EXISTING GYP WALL AS REQUIRED AT NEW PENETRATIONS. SEE DETAILS ON AEOO1 FOR FIRESTOPPING
- 3 SEE DETAILS ON AEOO1 FOR FIRESTOPPING DETAILS AT FLOOR PENETRATION.
- 4 WALL MOUNTED ANTENNA SUPPORT BRACKETS. SEE AE202 FOR MOUNTING HEIGHT. COORDINATE FASTENING REQUIREMENTS WITH STRUCTURAL DRAWINGS.
- 5 WALL MOUNTED ANTENNA SUPPORT BRACKETS. SEE AE202 FOR MOUNTING HEIGHT. COORDINATE FASTENING REQUIREMENTS WITH STRUCTURAL DRAWINGS.
- 6 WALL MOUNTED GPS ANTENNA. SEE SHEET AE202 FOR MOUNTING HEIGHT. COORDINATE FASTENING REQUIREMENTS WITH STRUCTURAL DRAWINGS.
- 7 INSTALL OWNER PROVIDED 4" RUBBER BOOT AT WALL PENETRATION FOR CABLING.



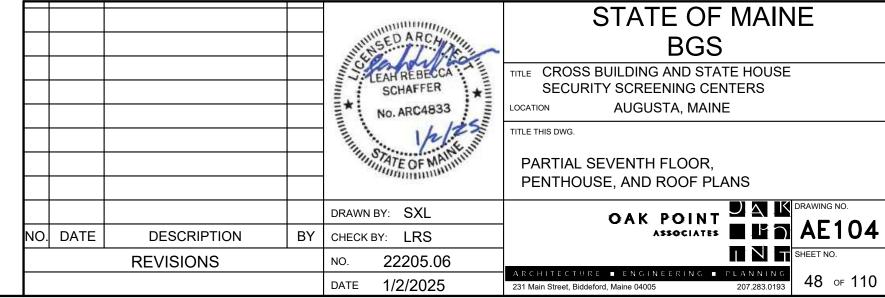
KEY PLAN

NOT TO SCALE

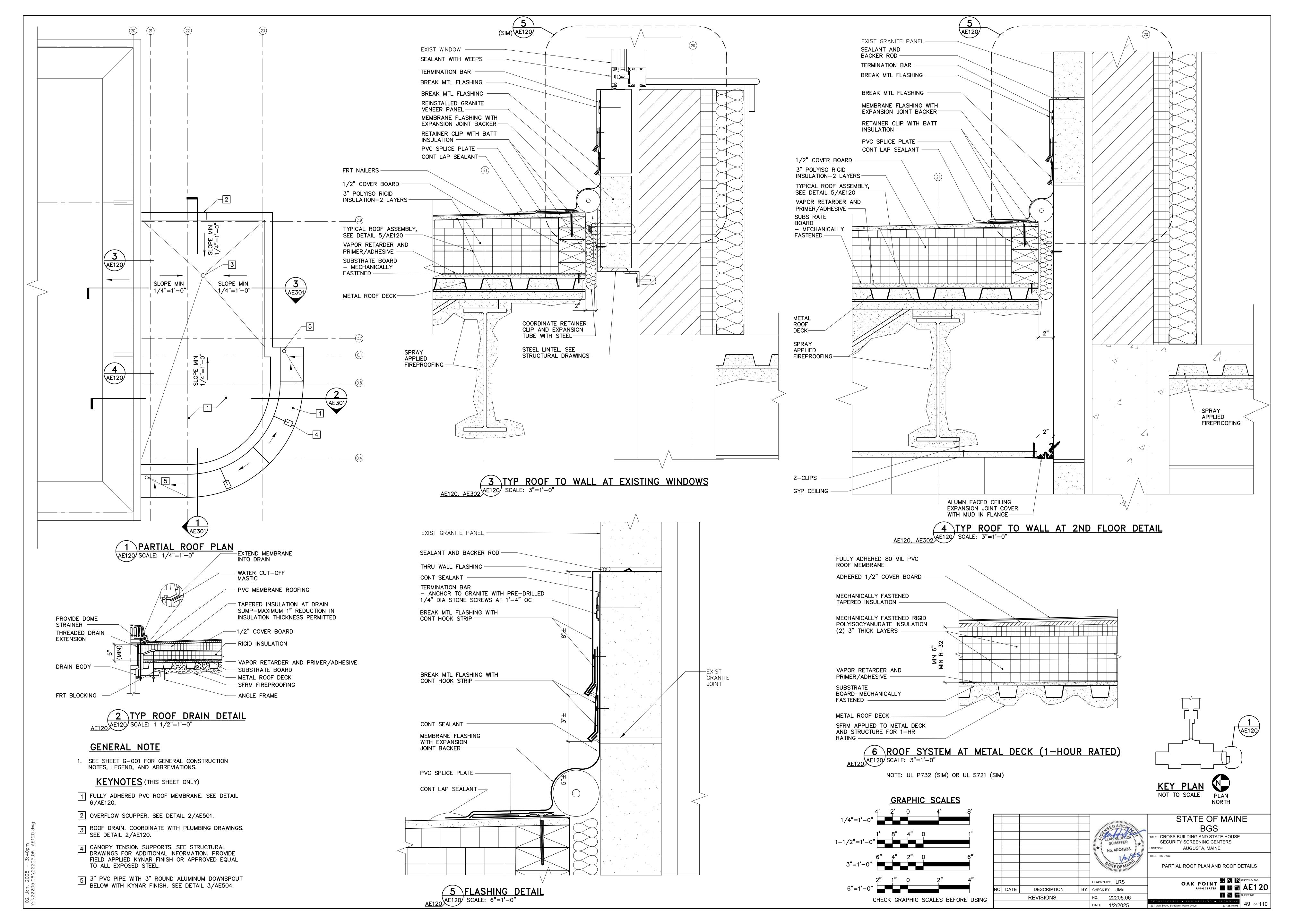
PLAN

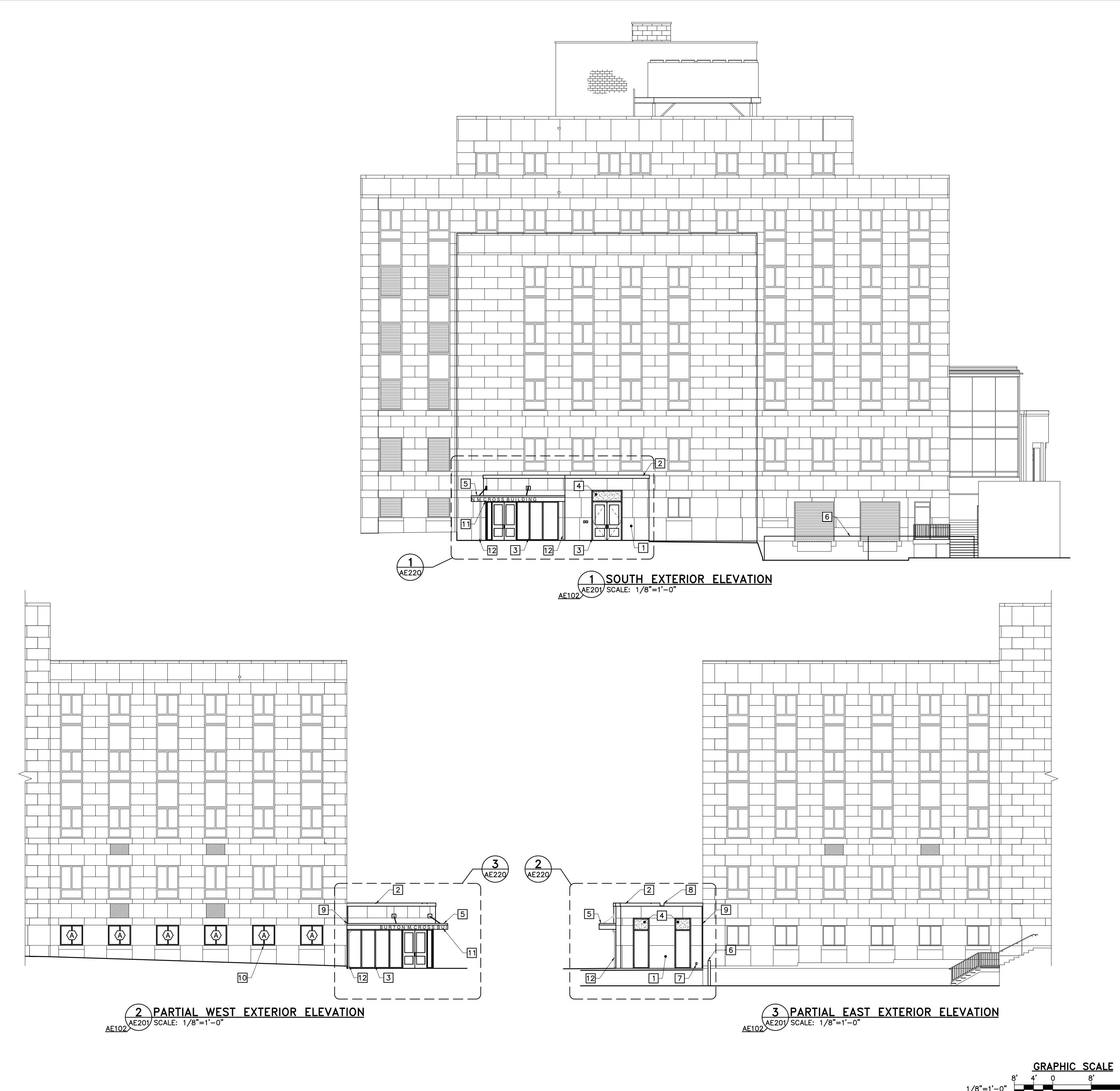
NORTH





GRAPHIC SCALE CHECK GRAPHIC SCALE BEFORE USING

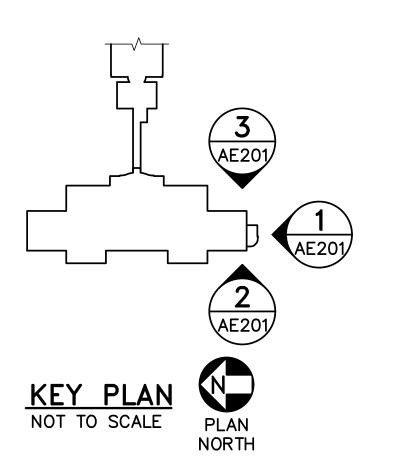


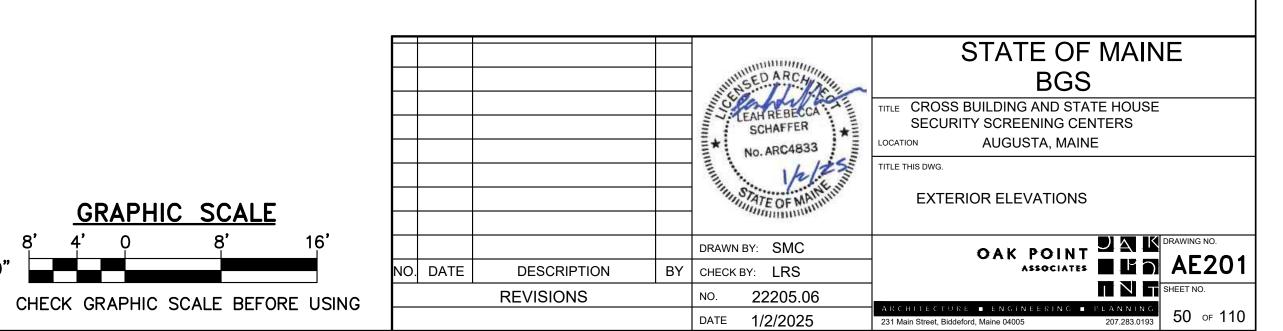


 SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.

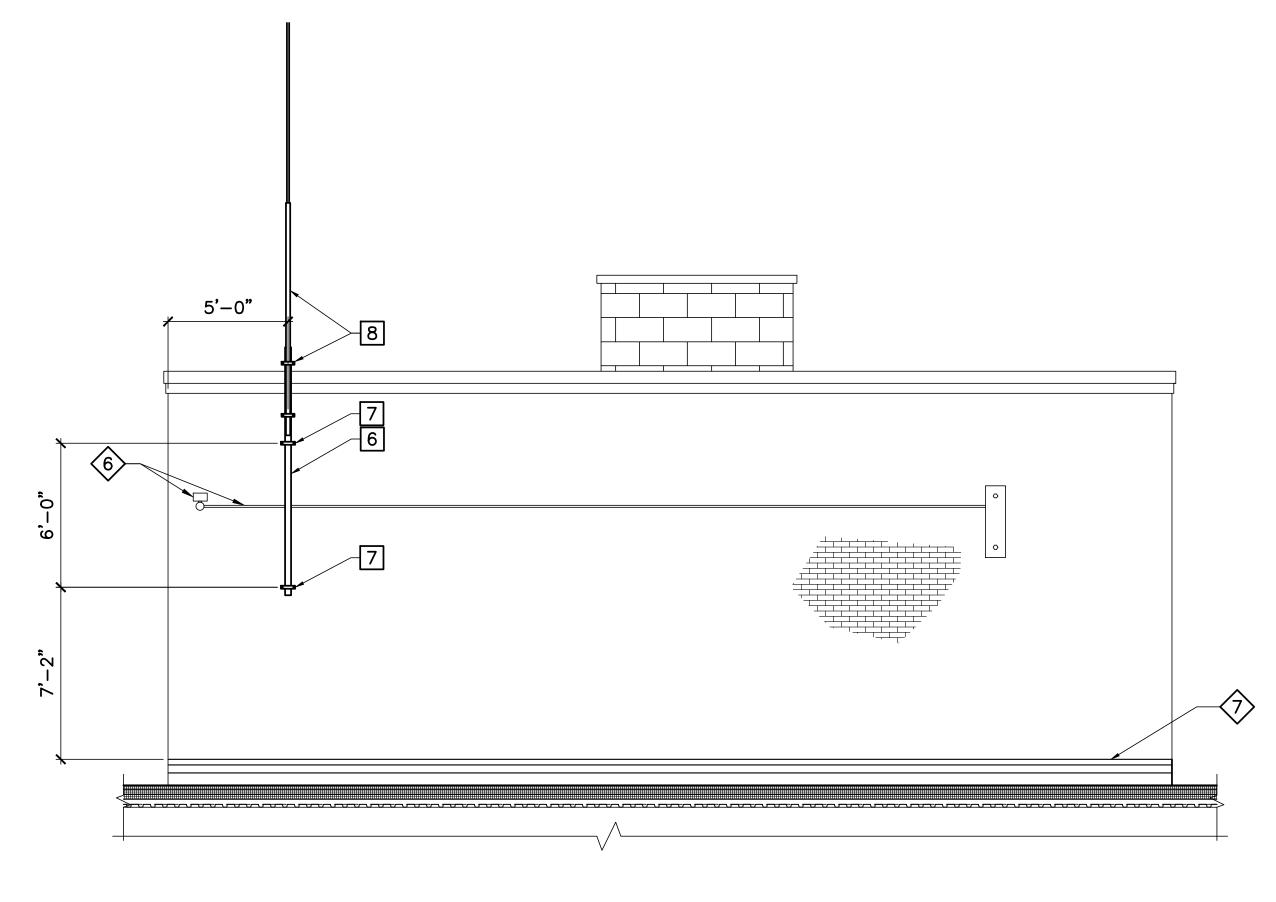
#### KEYNOTES (THIS SHEET ONLY)

- 1 GRANITE VENEER PANELS.
- 2 ALUMINUM COPING.
- 3 ALUMINUM FRAMED STOREFRONT AND DOORS.
- 4 SPANDREL GLAZING TRANSOM IN ALUMINUM STOREFRONT.
- 5 ENTRY CANOPY.
- 6 SWING SECURITY GATE, SEE SHEET C-505.
- 7 NON-FREEZE WALL HYDRANT. COORDINATE WITH PLUMBING DRAWINGS.
- 8 OVERFLOW SCUPPER.
- \_
- 9 BUILDING EXPANSION JOINT WITH ALUMINUM COVER
- ALUMINUM FRAMED THERMALLY BROKEN BALLISTIC UL LEVEL 3 WINDOWS. TYPICAL OF 6.
- CAST ALUMINUM BUILDING SIGNAGE. SEE AE660 FOR ADDITIONAL DETAILS.
- 3" ROUND ALUMINUM DOWNSPOUT WITH KYNAR FINISH. SEE CIVIL SHEETS FOR CAST IRON BOOT AND UNDERGROUND DRAINAGE CONTINUATION.



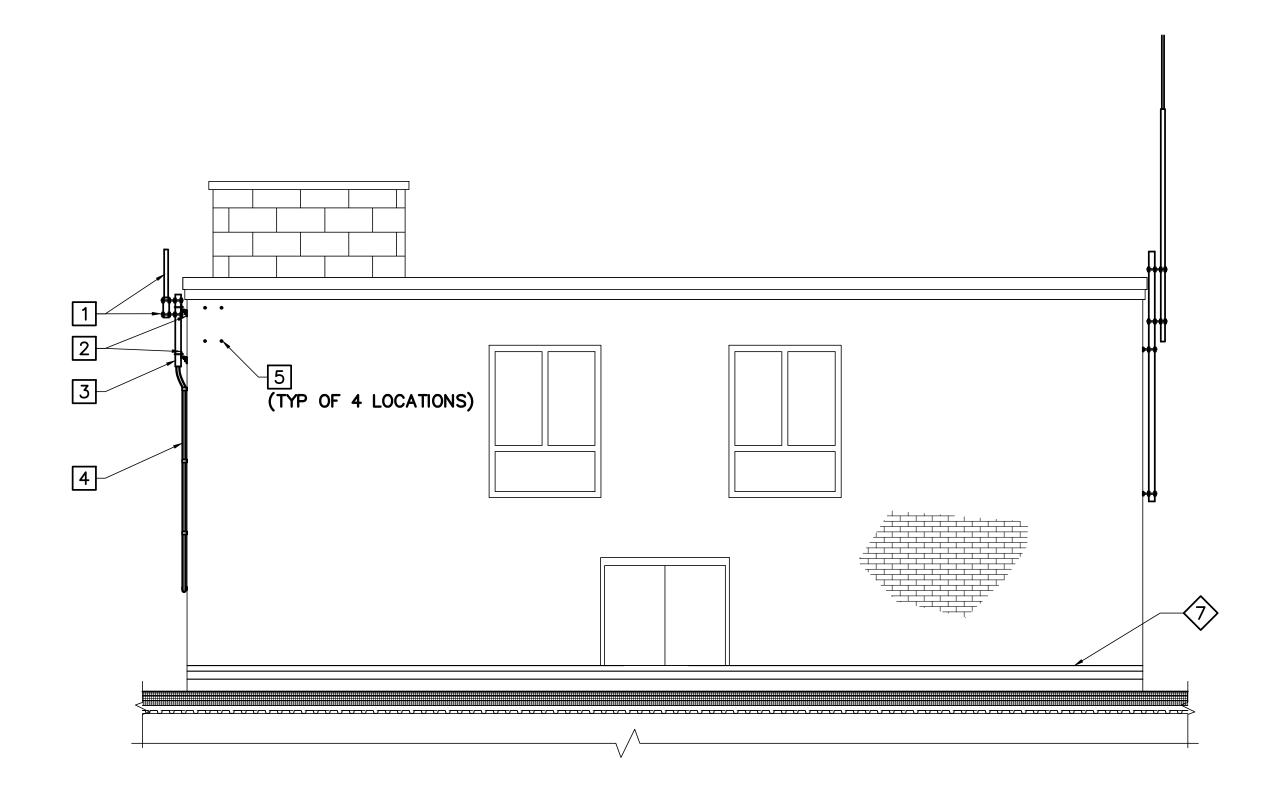


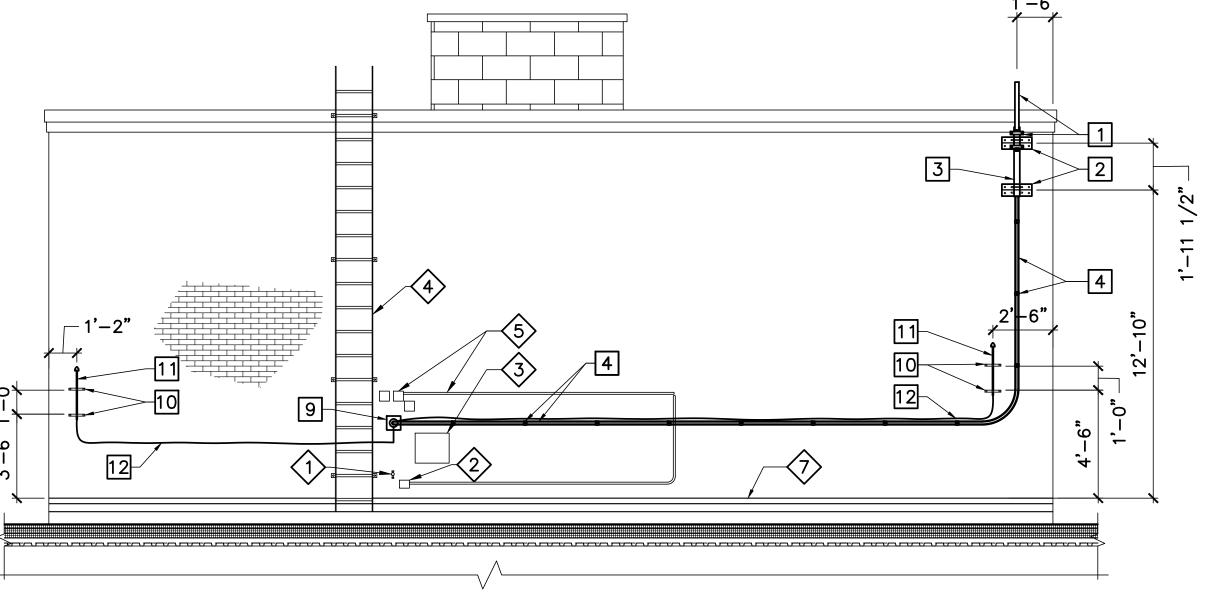
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NORTH PENTHOUSE ELEVATION
AE202 SCALE: 1/4"=1'-0"

3 EAST PENTHOUSE ELEVATION
AE202 SCALE: 1/4"=1'-0"





2 SOUTH PENTHOUSE ELEVATION
AE202 SCALE: 1/4"=1'-0"



- SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. SWEEP LINE AND TERM TEST BY OWNER.
- 3. SEE ELECTRICAL SHEETS FOR ADDITIONAL CABLE ANTENNA INFORMATION.

#### EXISTING KEYNOTES (THIS SHEET ONLY)

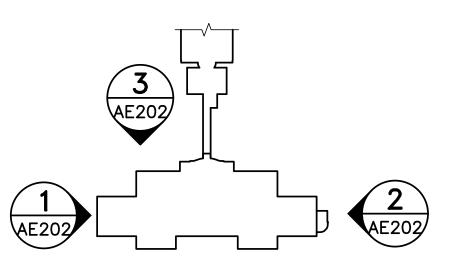
- 1 HOSE BIB
- (2) ELECTRICAL OUTLET.
- (3) HOSE RACK.
- 4 WALL MOUNTED METAL LADDER.
- 5 ELECTRICAL JUNCTION BOXES AND WALL MOUNTED CONDUIT.
- 6 EXTERIOR LIGHT FIXTURE AND CONDUIT.
- 7 TOP OF ROOF FLASHING.

#### KEYNOTES (THIS SHEET ONLY)

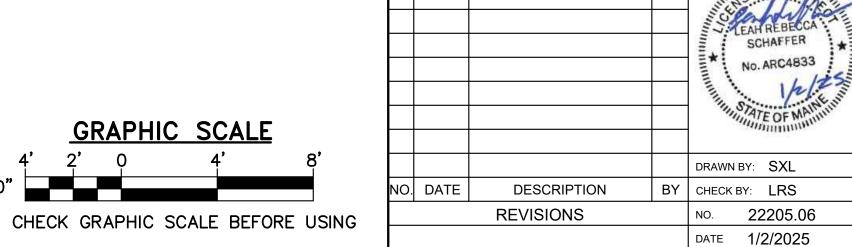
- 1 ANTENNA AND PIPE TO PIPE CLAMPS PROVIDED AND INSTALLED BY OWNER.
- 3 INCH GALVANIZED STEEL ANTENNA SUPPORT WALL MOUNTS, OWNER PROVIDED CONTRACTOR INSTALLED. BASIS OF DESIGN WMA300 BY SITE PRO 1. SEE SHEET SF501 FOR FASTENER REQUIREMENTS.
- OWNER SUPPLIED SCHED 40 GALVANIZED PIPE FOR ANTENNA MOUNTING.
- 4 7/8" COMMUNICATION CABLE PROVIDED BY OWNER. CABLE TO BE FASTENED TO EXISTING MASONRY WITH "TRAP3 HANGERS BY SITEPRO 1" AND UNIVERSAL SNAP-INS SH-3 BY SITE PRO 1 EVERY 3'-0" O.C. MOUNTS AND HANGERS ARE OWNER PROVIDED CONTRACTOR INSTALLED.

FASTEN HANGERS TO MASONRY WITH 1/4" BY 1-3/4" STAINLESS STEEL TAPCONS WITH WASHERS OR APPROVED EQUAL. APPROXIMATE PATH FOR CABLE IS SHOWN. FINAL ROUTING TO BE FIELD VERIFIED WITH OWNER PRIOR TO INSTALLATION OF ANY HANGERS.

- CLEAN HOLES IN MASONRY FROM PREVIOUS ANTENNA MOUNT LOCATION. PATCH HOLES IN EXISTING MASONRY WITH COLOR MATCH MORTAR. PROVIDE A SMOOTH CLEAN FINISH WITH FLUSH WITH FACE OF
- 6 SCHED 40 GALVANIZED STEEL PIPE FOR ANTENNA MOUNTING. PIPE TO BE PROVIDED BY OWNER AND CONTRACTOR INSTALLED.
- THROUGH WALL GALVANIZED STEEL PREMANUFACTURED SUPPORT BRACKETS (WM1665 BY SITE PRO 1) PROVIDED BY OWNER AND CONTRACTOR INSTALLED. SEE SHEET SF501 FOR FASTENER REQUIREMENTS.
- EXISTING ANTENNA AND PIPE TO PIPE CLAMPS TO BE PROVIDED AND REINSTALLED BY OWNER.
- 9 PIPE ENTRY METAL PANEL WITH 4" PIPE BOOT KIT (BAXXX BY SITE PRO 1). OWNER PROVIDED CONTRACTOR INSTALLED.
- 8" GALVANIZED METAL MOUNTING CLAMPS (HDWM08 BY SITE PRO) FASTENED TO MASONRY WITH 1/2" DIA x 1-7/8" LONG STAINLESS STEEL HILTI HLC-H SLEEVÉ ANCHORS. MOUNTS ARE PROVIDED BY OWNER AND CONTRACTOR INSTALLED.
- OWNER PROVIDED AND CONTRACTOR INSTALLED PVC FOR GPS ANTENNA MOUNTING.
- MOUNT 1/2" CABLE FOR GPS ANTENNA TO HANGERS USING OWNER PROVIDED UNIVERSAL SNAP-INS BR SITE PRO 1.







**GRAPHIC SCALE** 

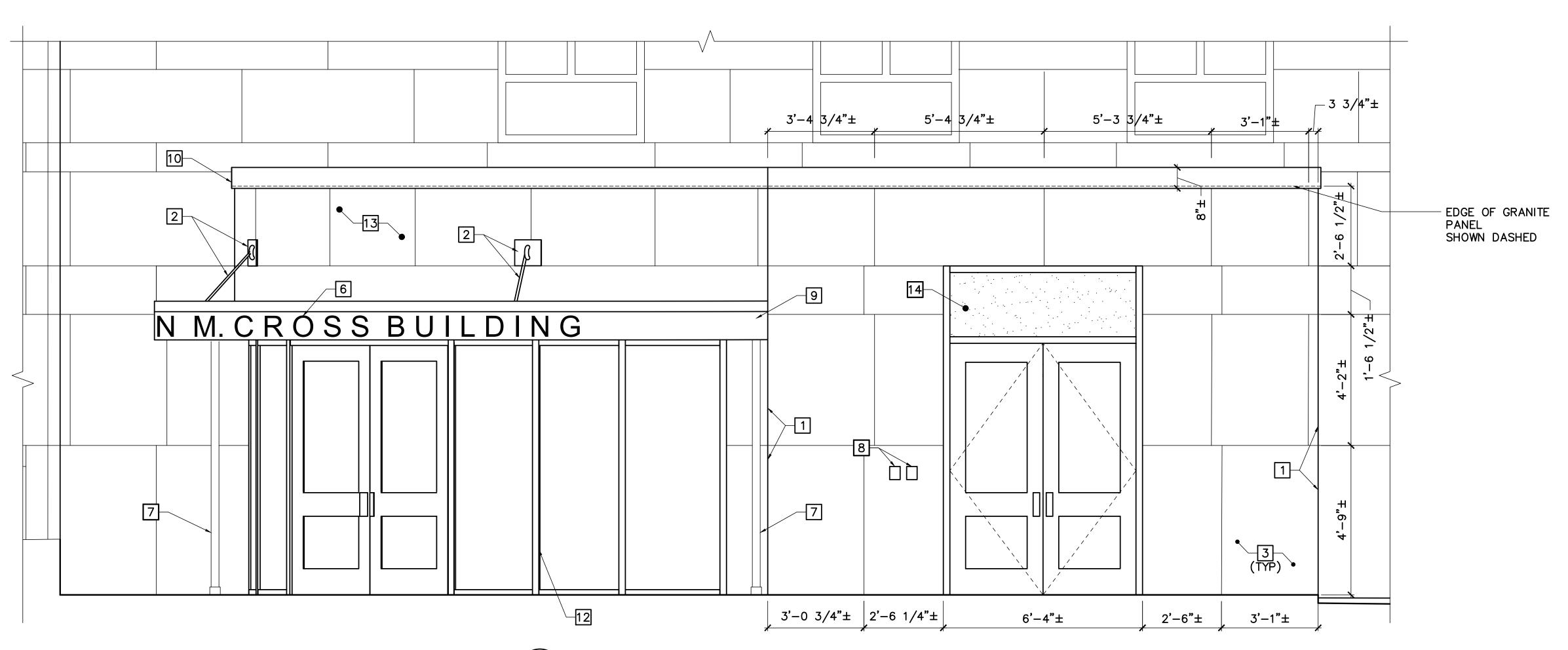
STATE OF MAINE TILE CROSS BUILDING AND STATE HOUSE SECURITY SCREENING CENTERS AUGUSTA, MAINE

PENTHOUSE ELEVATIONS OAK POINT DAK DRAWING NO.

ASSOCIATES DE DAK AE202

SHEET NO.

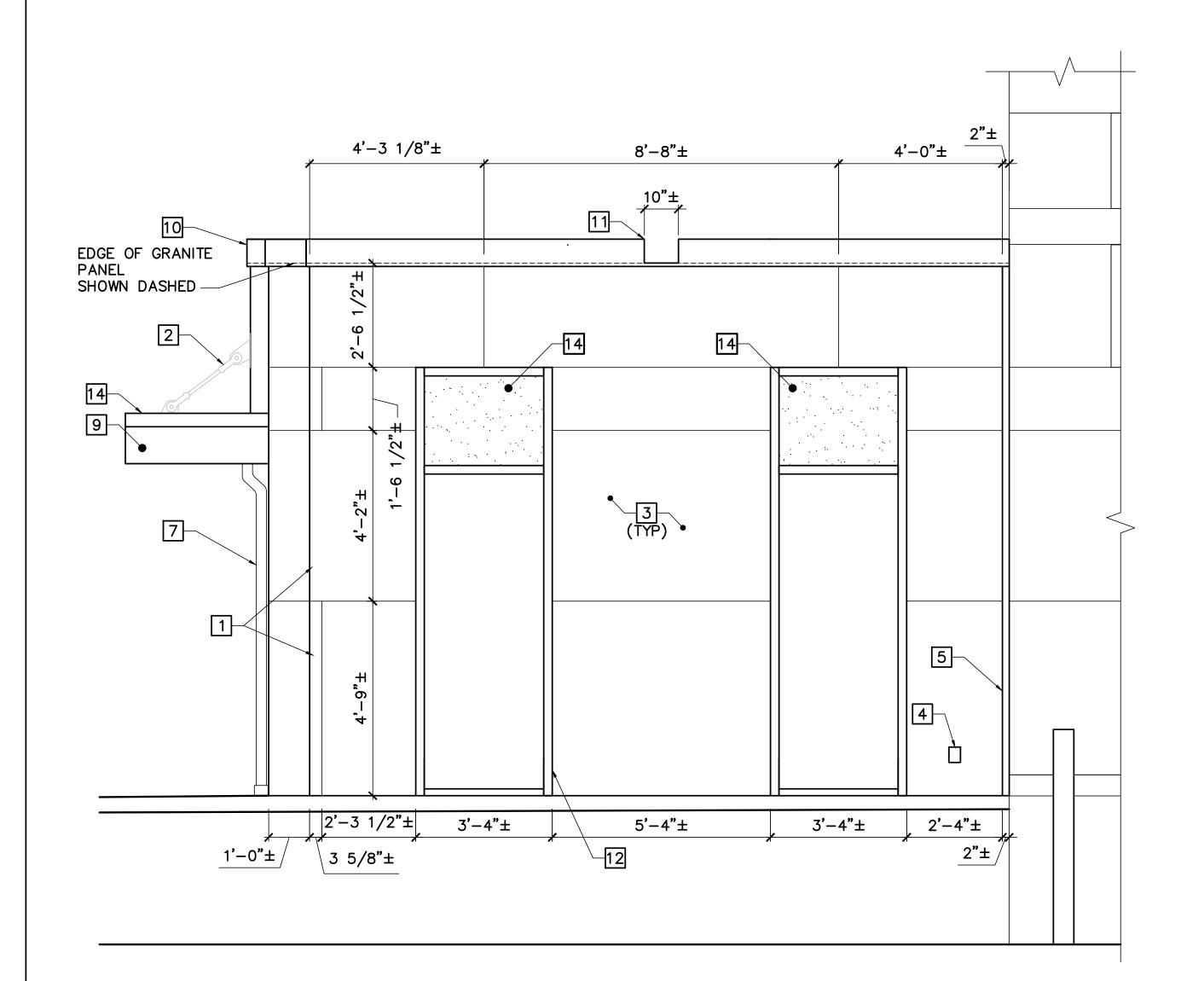
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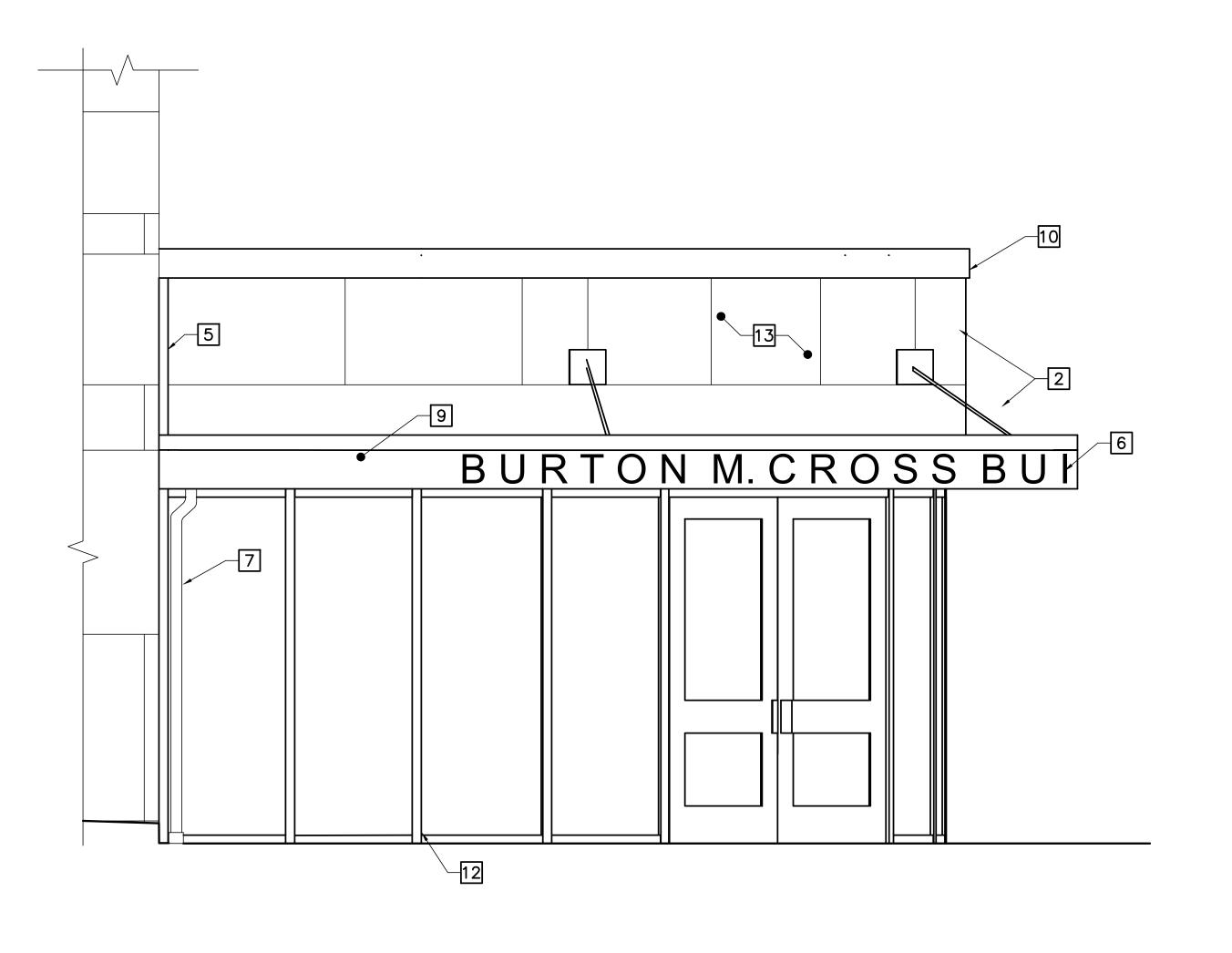


1 SOUTH EXTERIOR ENLARGED ELEVATION

AE220 SCALE: 1/2"=1'-0"

NOTE: COURSING OF GRANITE VENEER PANELS IS TO ALIGN WITH EXISTING PANELS. ALL DIMENSIONS TO BE FIELD VERIFIED.



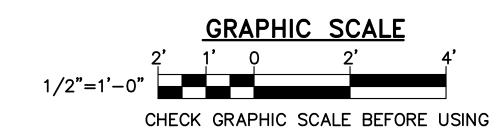


## 2 EAST EXTERIOR ENLARGED ELEVATION AE220 SCALE: 1/2"=1'-0"

NOTE: COURSING OF GRANITE VENEER PANELS IS TO ALIGN WITH EXISTING PANELS. ALL DIMENSIONS TO BE FIELD VERIFIED.

# 3 WEST EXTERIOR ENLARGED ELEVATION AE220 SCALE: 1/2"=1'-0"

NOTE: COURSING OF GRANITE VENEER PANELS IS TO ALIGN WITH EXISTING PANELS. ALL DIMENSIONS TO BE FIELD VERIFIED.

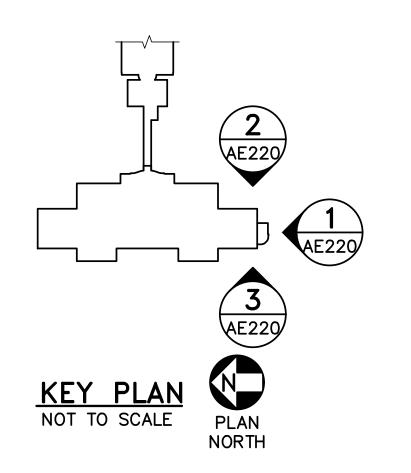


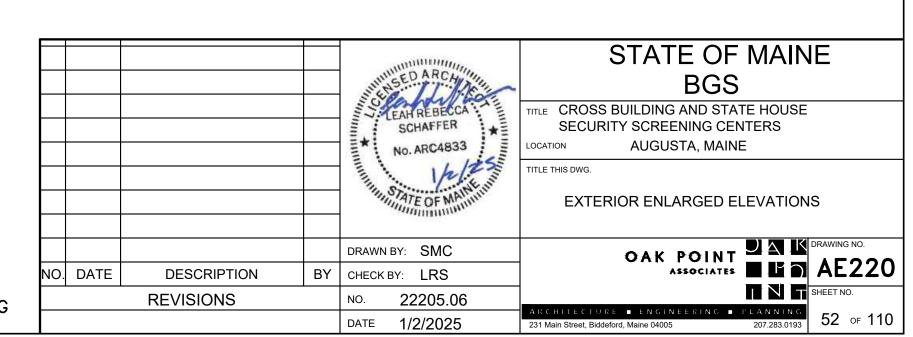
#### **GENERAL NOTES**

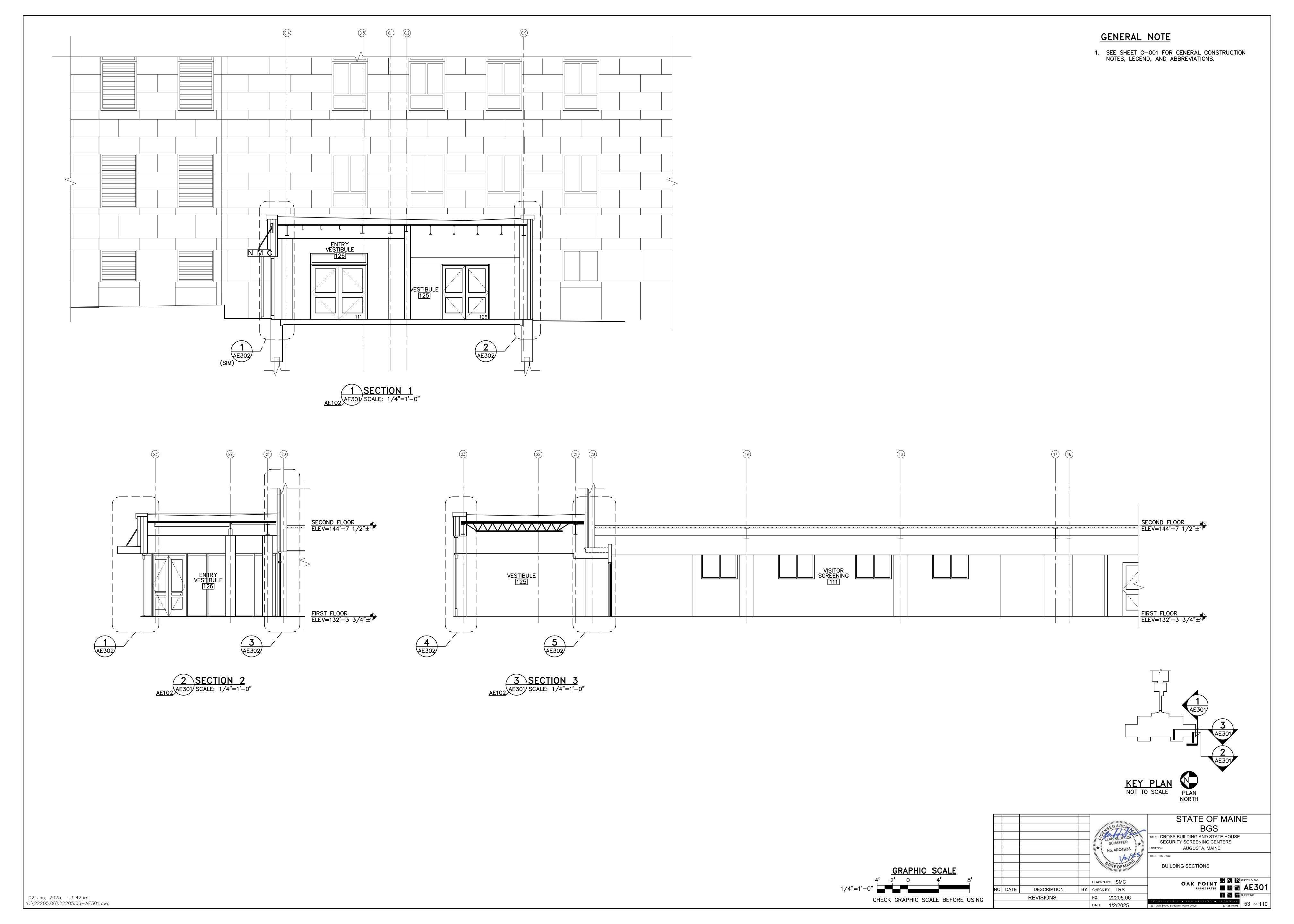
- 1. SEE SHEET G-001 FOR GENERAL CONSTRUCTION
- NOTES, LEGEND, AND ABBREVIATIONS.
  2. SEE SHEET AE601 FOR DOOR SCHEDULE.
- 3. SEE SHEET AE603 FOR STOREFRONT TYPES AND DIMENSIONS.

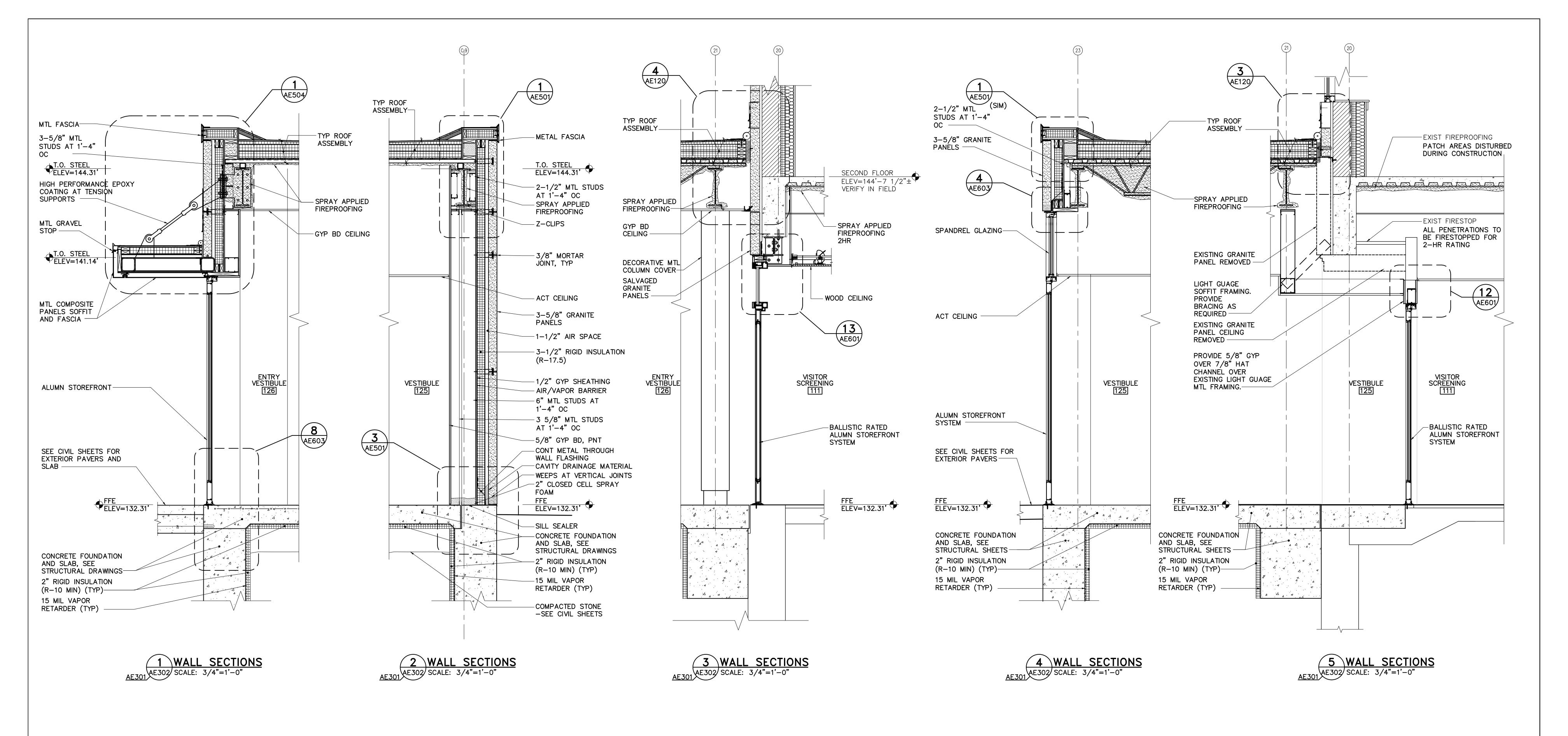
#### KEYNOTES (THIS SHEET ONLY)

- 1 COURSING OF GRANITE VENEER PANELS TO ALTERNATE AT BUILDING CORNERS.
- HIGH PERFORMANCE EPOXY COATING OVER GALVANIZED STEEL ROD AND BRACKETS FOR CANOPY SUPPORT.
- 3 3-5/8" GRANITE VENEER PANELS.
- A NON-FREEZE WALL HYDRANT. COORDINATE WITH PLUMBING DRAWINGS. CUTOUT GRANITE PANEL AS REQ. SEE 3/AE501 FOR FLASHING DETAILS.
- 5 BUILDING EXPANSION JOINT. SEE DETAILS ON AE503 AND AE603.
- 6 9" CAST ALUMINUM BUILDING SIGNAGE. SEE AE660.
- 3" ROUND ALUMINUM DOWNSPOUT WITH KYNAR FINISH. SEE CIVIL SHEETS FOR CAST IRON BOOT AND UNDERGROUND DRAINAGE CONTINUATION.
- CARD READER. COORDINATE WITH ELECTRICAL DRAWINGS. PROVIDE STAINLESS STEEL COVER PLATE AT JUNCTION BOX FOR FUTURE ADA PUSH BUTTON. SEE 3/AE501 FOR FLASHING DETAILS.
- 9 METAL COMPOSITE PANEL FASCIA.
- 10 MTL FASCIA.
- OVERFLOW SCUPPER. CENTER BETWEEN WINDOW OPENINGS.
- 12 ALUMN STOREFRONT SYSTEM.
- GRANITE VENEER PANELS. SEE AE502 FOR DIMENSIONS OF COURSING ABOVE CANOPY ALONG
- 14 SPANDREL GLAZING PANEL.

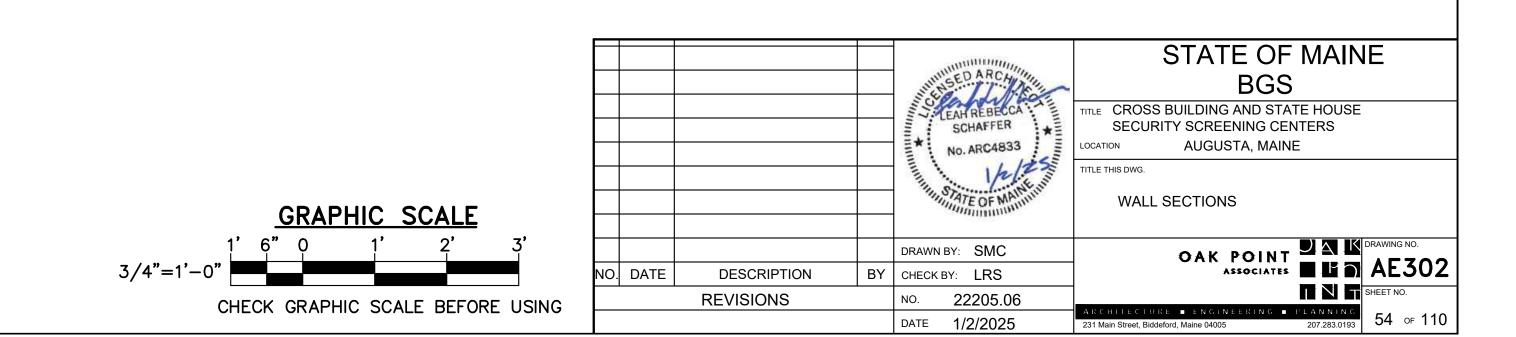


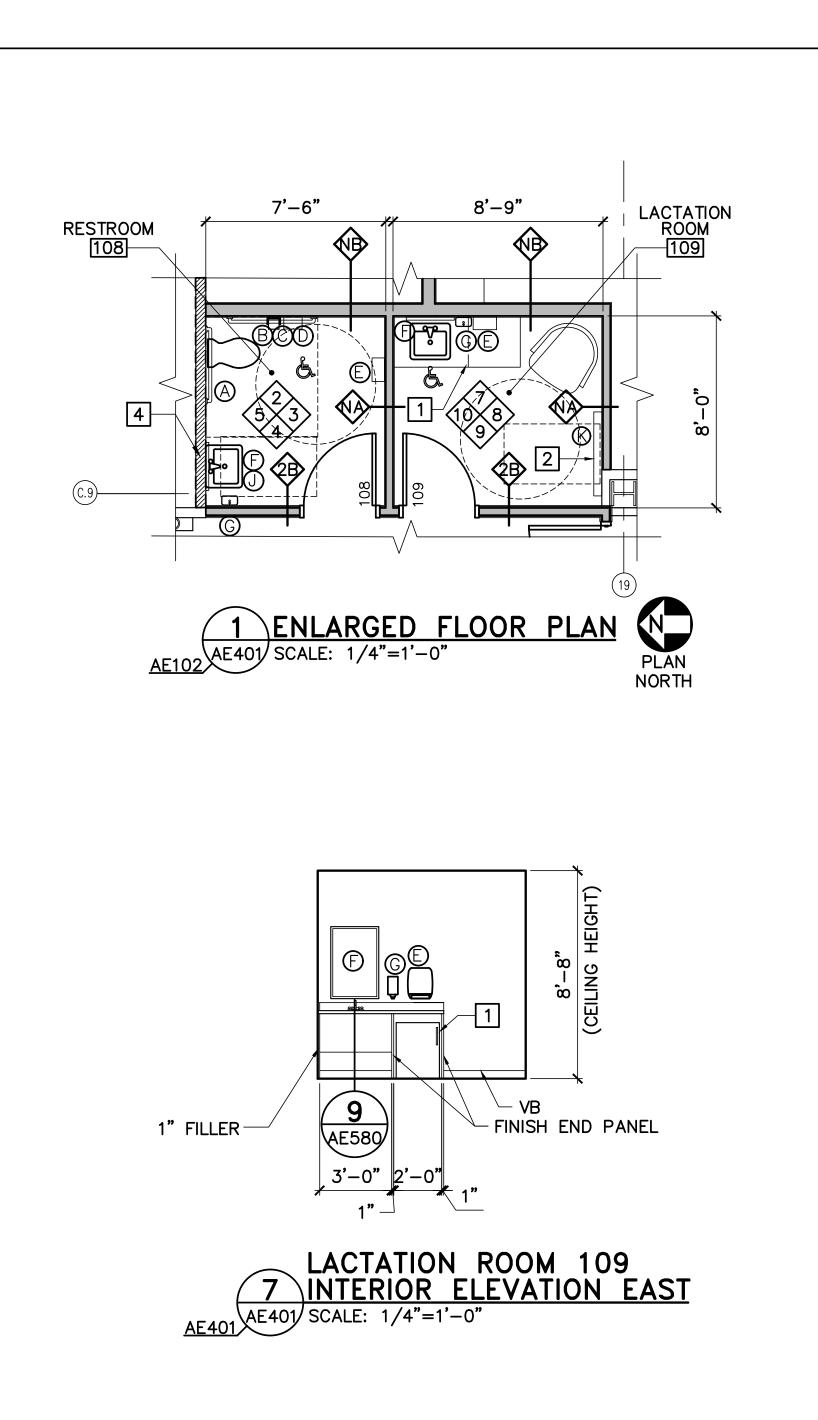


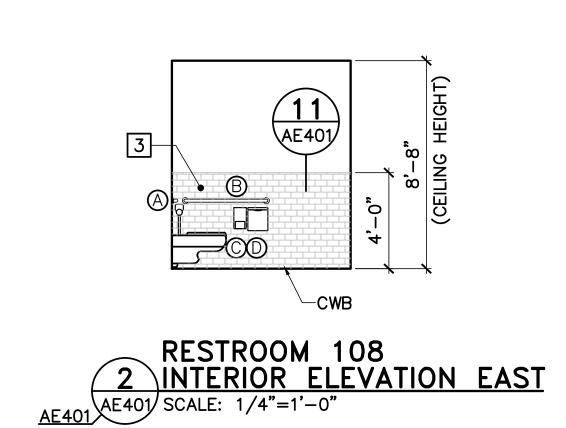


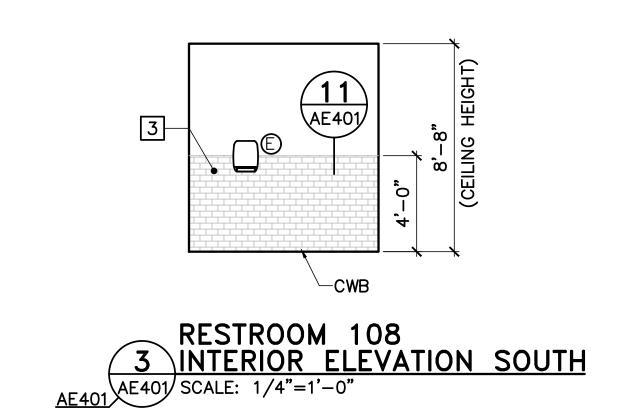


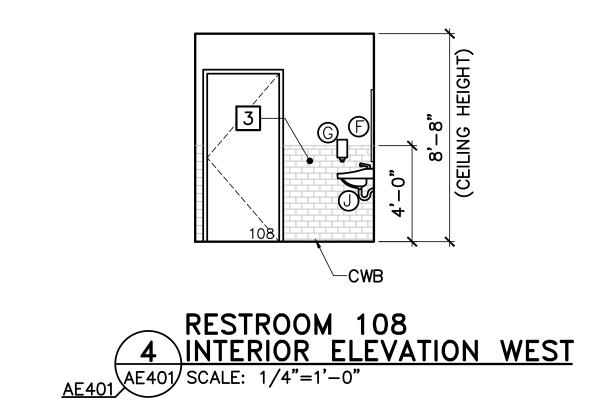
- SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. SEE SHEET G-102 FOR STEEL FIREPROOFING NOTES.

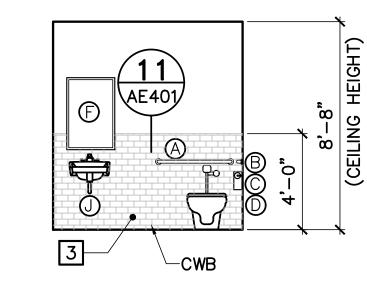








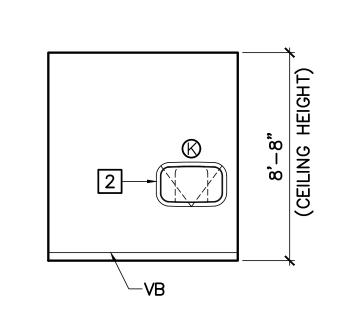


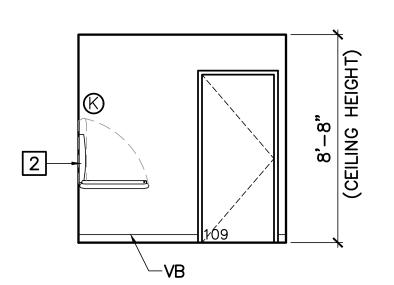


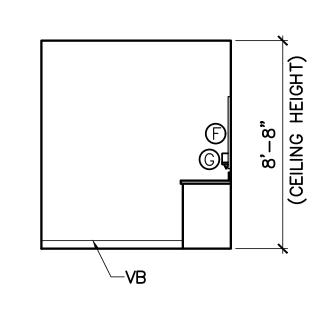
RESTROOM 108

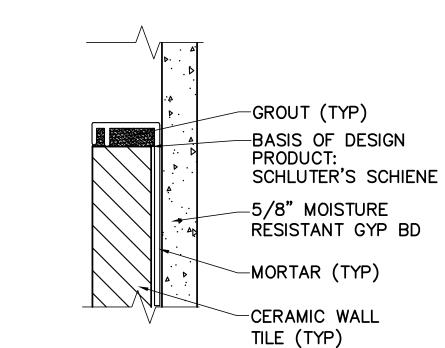
5 INTERIOR ELEVATION NORTH

AE401 SCALE: 1/4"=1'-0"









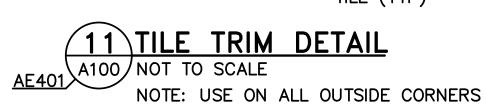
LACTATION ROOM 109

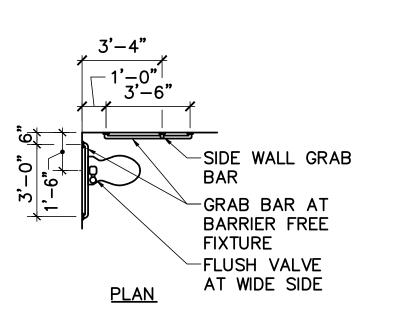
8 INTERIOR ELEVATION SOUTH

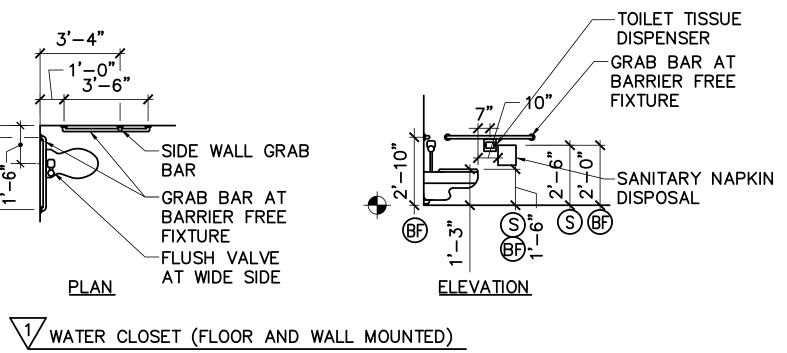
AE401 SCALE: 1/4"=1'-0"

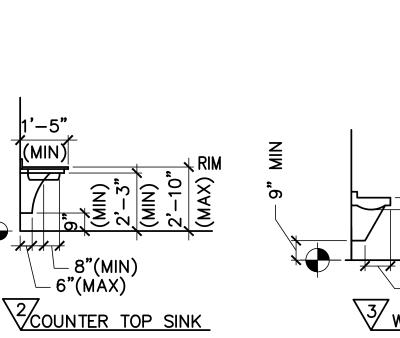
LACTATION ROOM 109
9 INTERIOR ELEVATION WEST
AE401 SCALE: 1/4"=1'-0"

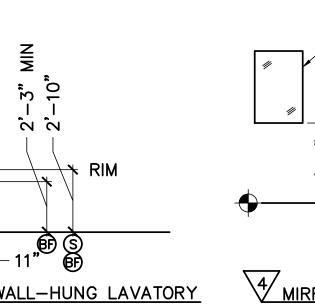
LACTATION ROOM 109
10 INTERIOR ELEVATION NORTH
AE401 SCALE: 1/4"=1'-0"

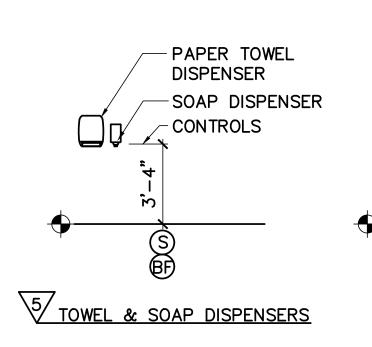


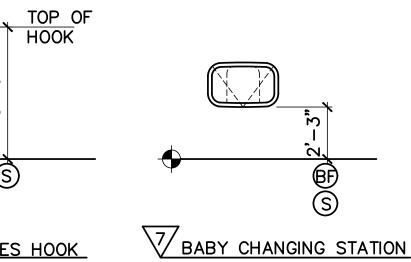




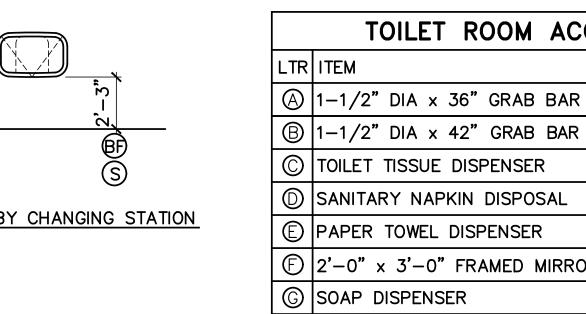


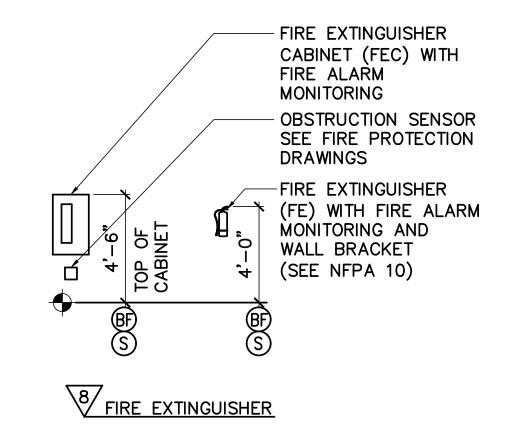


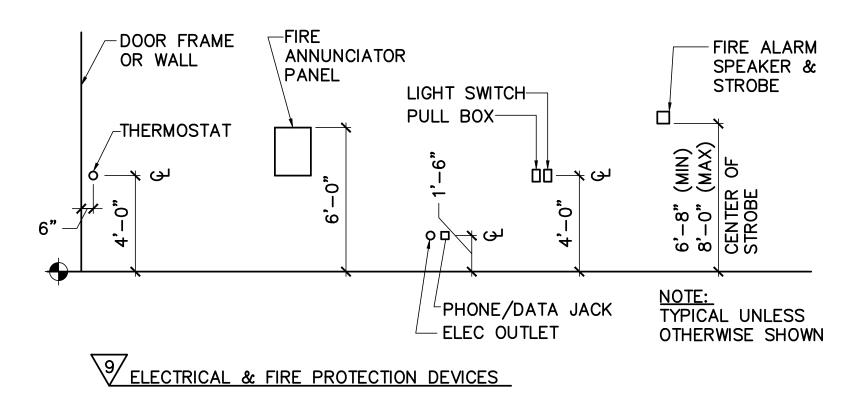


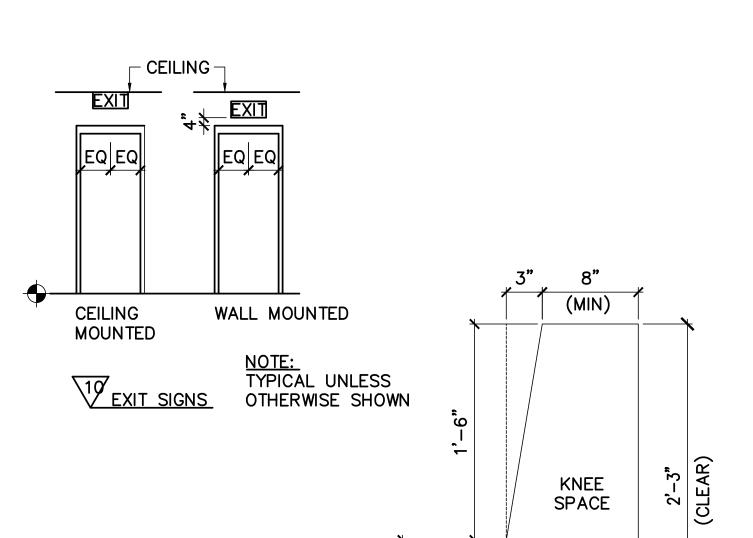


**(BP)** 









TOE SPACE

(MAX)



### **MOUNTING HEIGHT LEGEND:**

- (S) STANDARD MOUNTING HEIGHT
- BF BARRIER FREE ADULT MOUNTING HEIGHT
- FINISH FLOOR LINE

#### **MOUNTING HEIGHT NOTE:**

MOUNT ALL FIXTURES AT STANDARD

MOUNTING HEIGHT UNLESS INDICATED ON PLAN BY A SYMBOL. A SYMBOL AT ANY ROOM SHALL INCLUDE ALL FIXTURES AND ACCESSORIES WITHIN THE ROOM.

#### GENERAL NOTES

- 1. SEE SHEET AEOO1 FOR WALL TYPES.
- 2. SEE DRAWING AE401 FOR STANDARD MOUNTING HEIGHTS AND TOILET ACCESSORY SCHEDULE.
- 3. SEE SHEET AE601 FOR DOOR SCHEDULE
- 4. SEE SHEET AE801 FOR ROOM FINISH SCHEDULE.
- 5. PROVIDE SOLID WOOD BLOCKING BEHIND SURFACE APPLIED TOILET ACCESSORIES WHEN MOUNTED ON A STUD WALLS AS INDICATED.

### KEYNOTES (THIS SHEET ONLY)

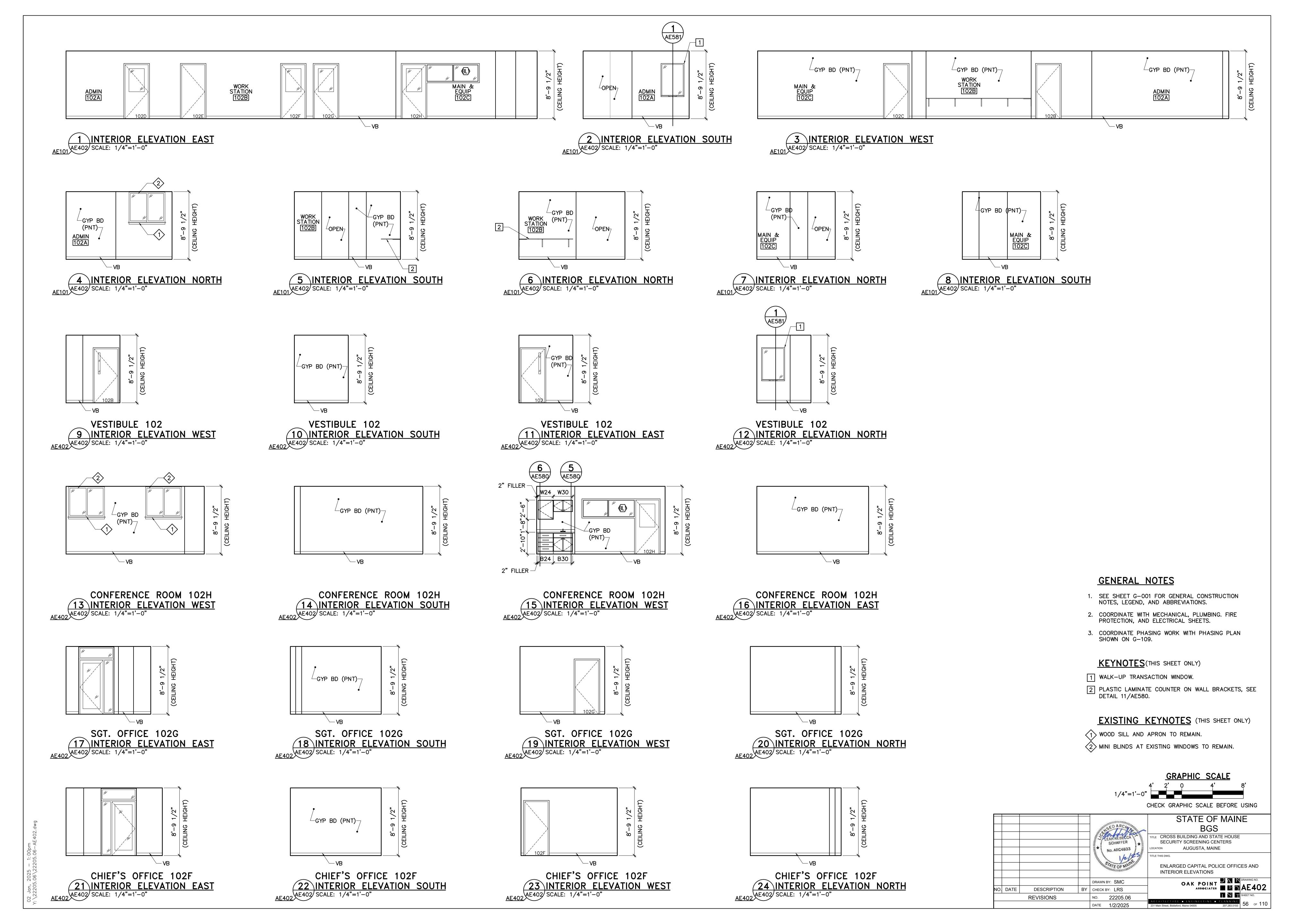
- 1 UNDER COUNTER REFRIGERATOR. OWNER FURNISHED, CONTRACTOR INSTALLED.
- DIAPER CHANGING STATION. PROVIDE SOLID WOOD BLOCKING AS REQUIRED.
- 3 CERAMIC WALL TILE. SEE FINISH SCHEDULE ON AE801.
- PATCH AT METAL STUD AND GYPSUM PARTITION WHERE PLUMBING ACCESS WAS REQUIRED. MATCH WIDTH OF EXISTING CONSTRUCTION. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

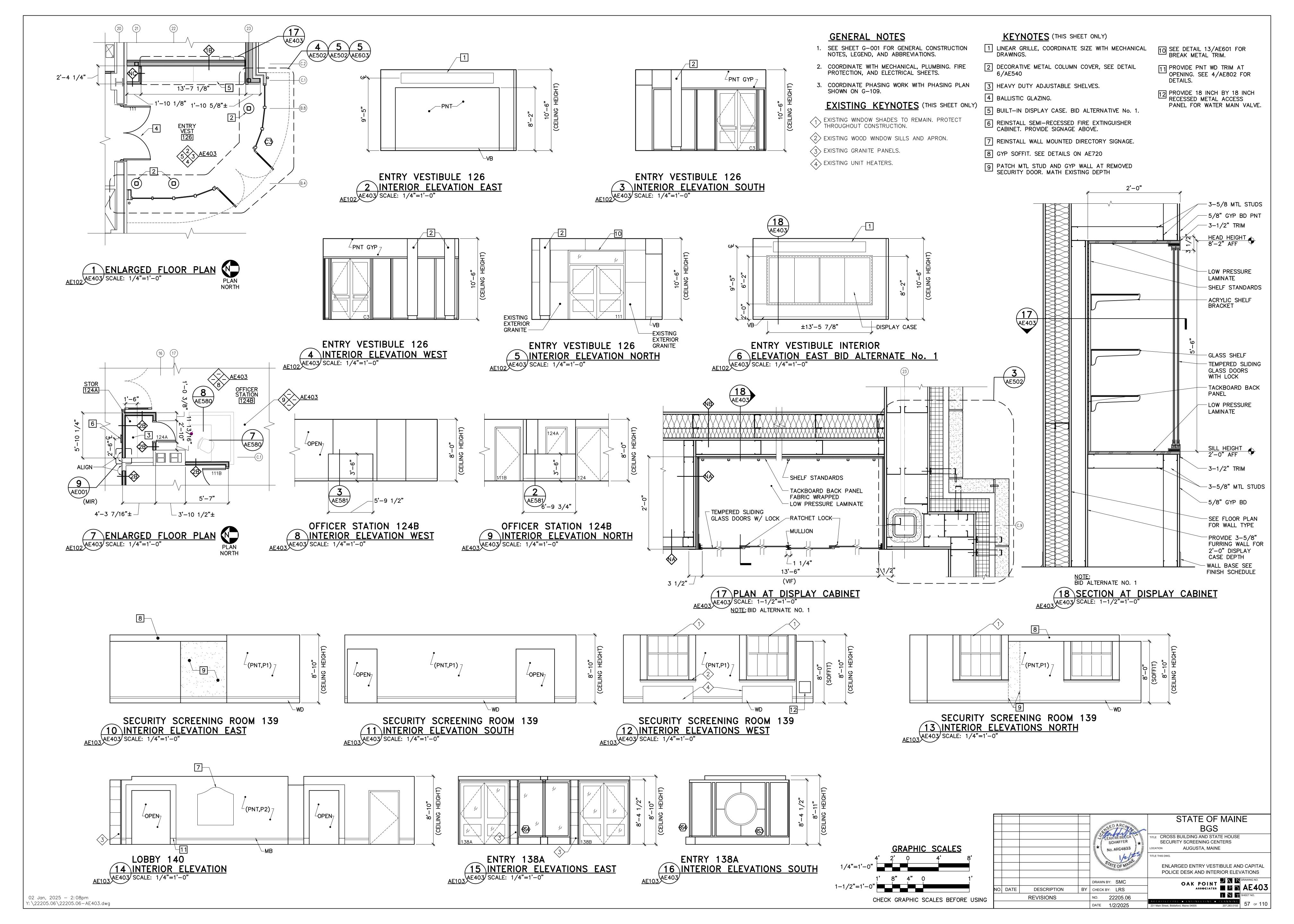
12 STANDARD MOUNTING HEIGHTS AE401 NOT TO SCALE

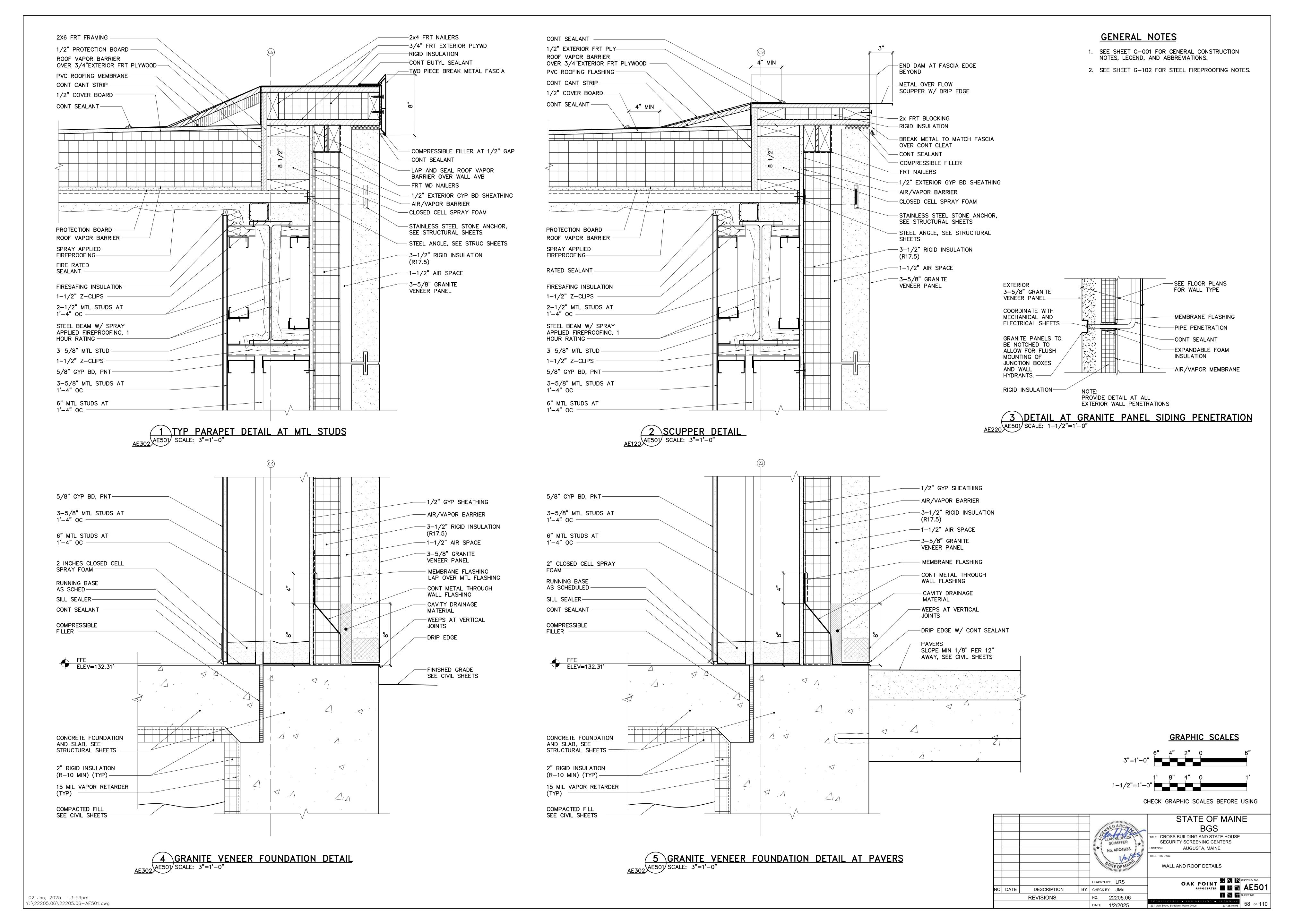
(MIN) **GRAPHIC SCALES** 1'-5" (MIN) 13 UNDER SINK REQUIRED CLEAR SPACE
AE401 SCALE: 1-1/2"=1'-0" CHECK GRAPHIC SCALES BEFORE USING

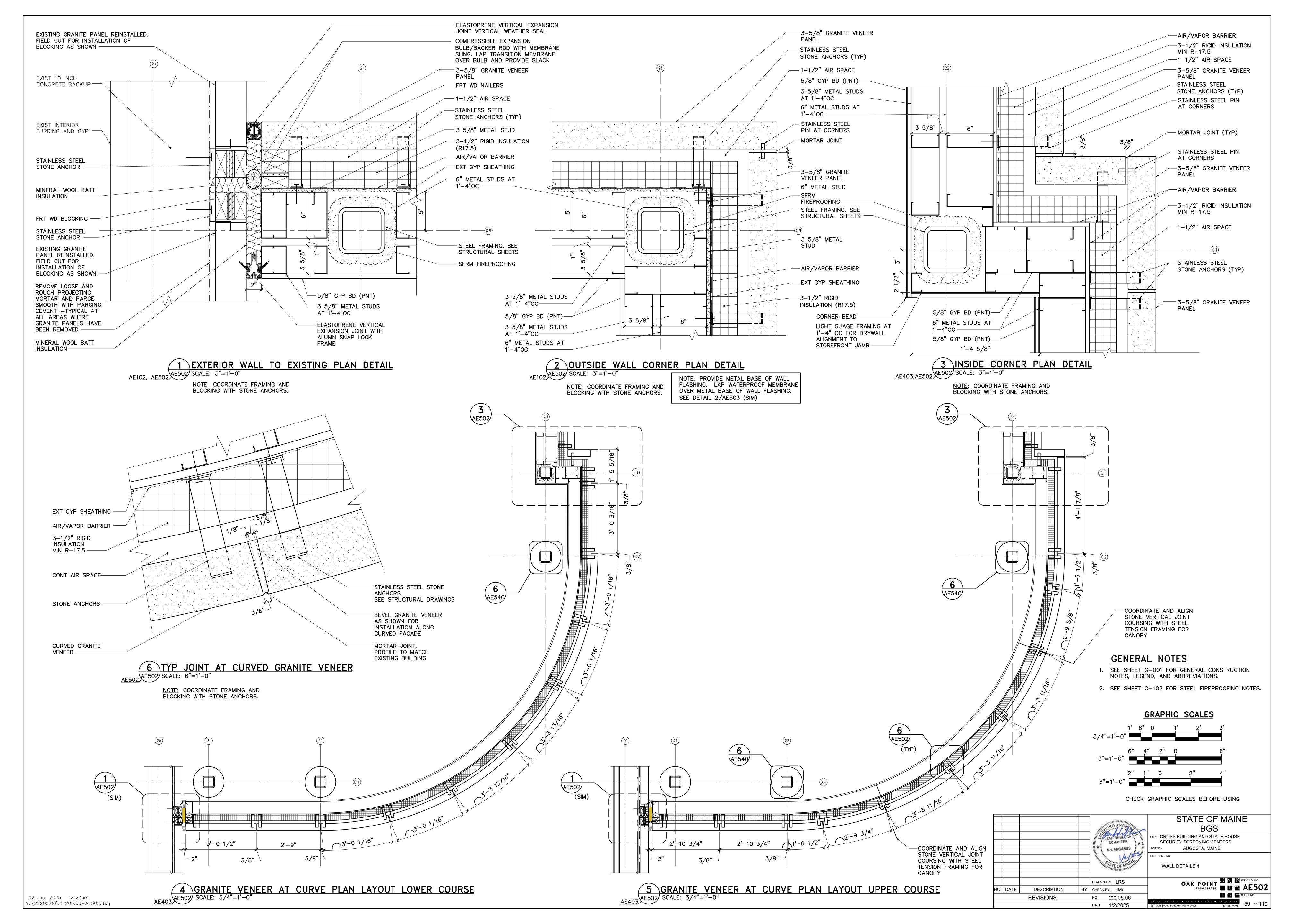


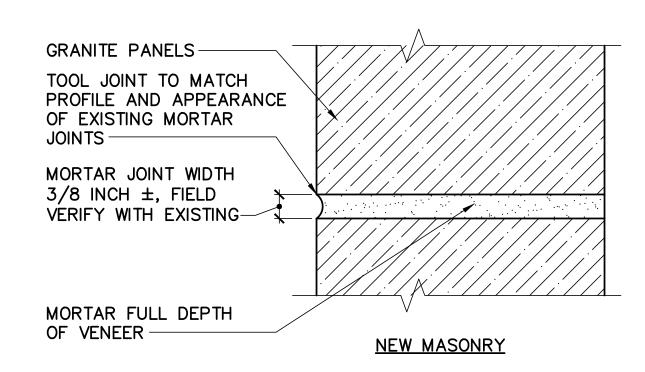
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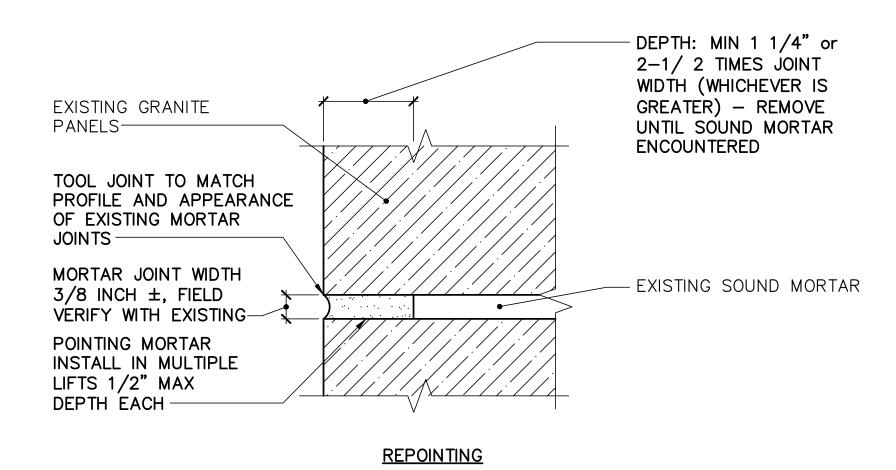




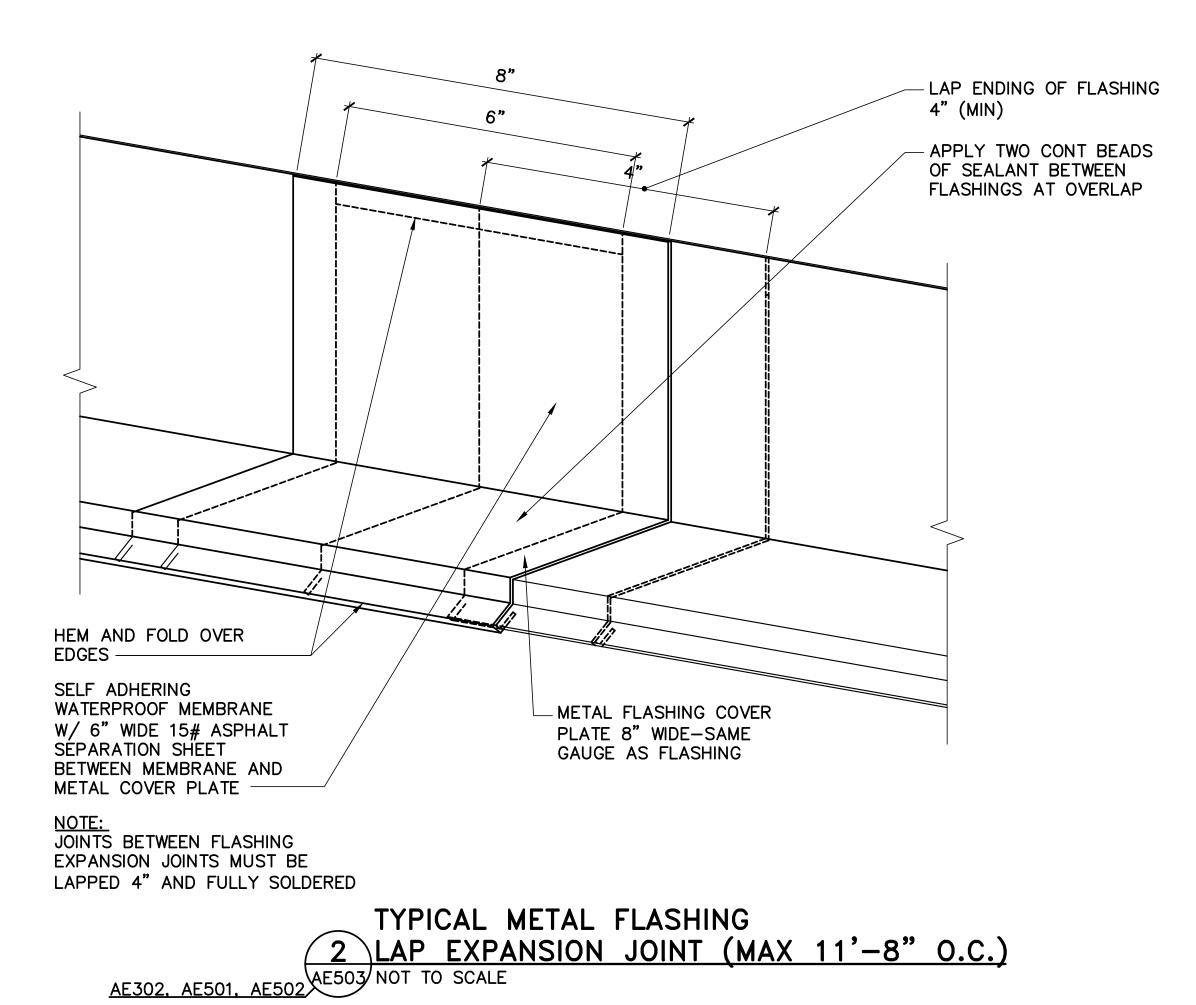


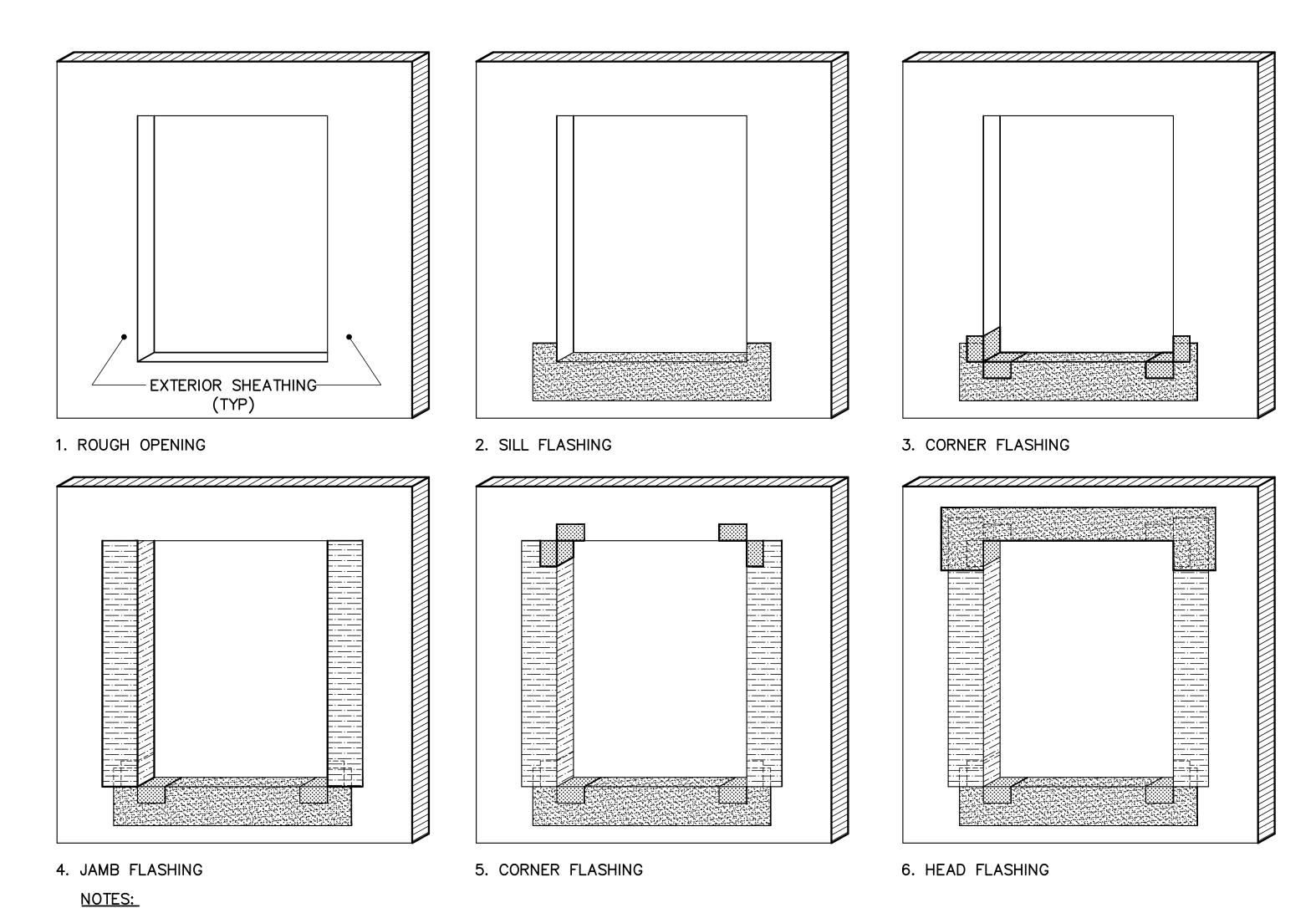






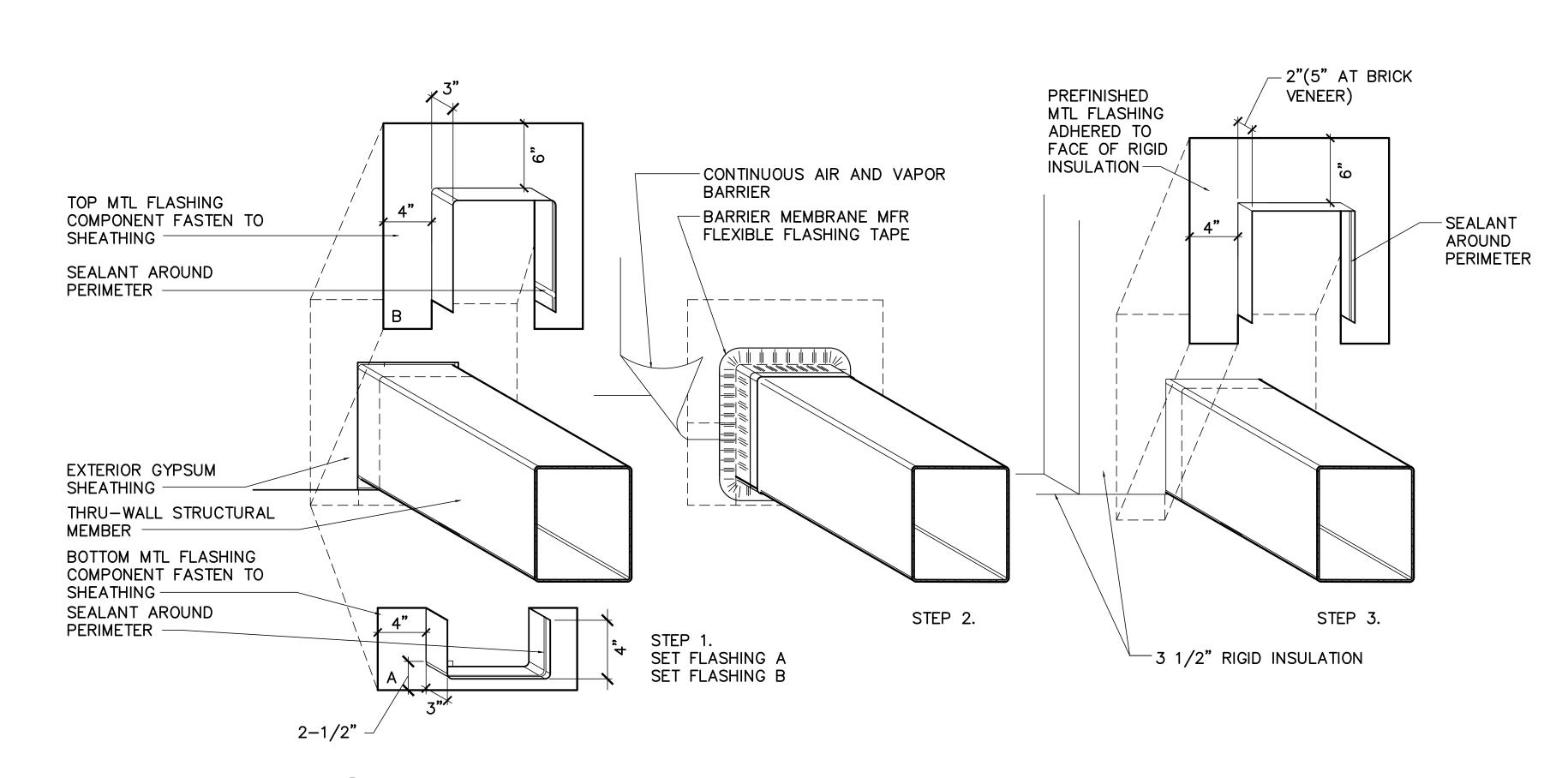




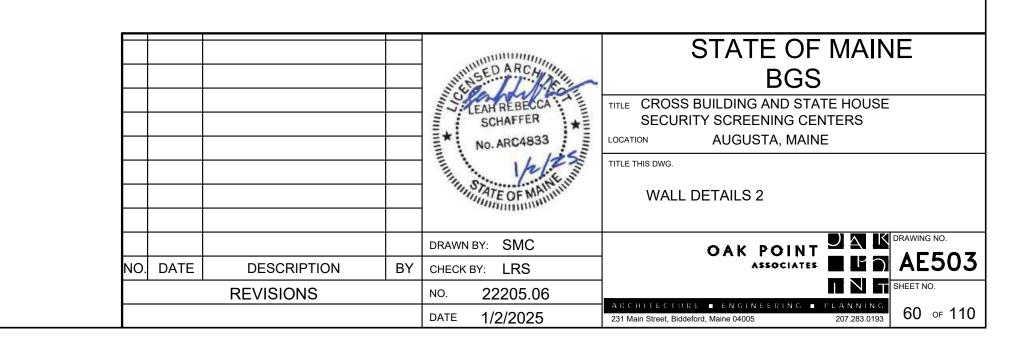


- 1. INSTALL FLASHING MEMBRANE TO EXTERIOR GYPSUM WALL SHEATHING PRIOR TO INSTALLATION OF CONTINUOUS AIR AND VAPOR BARRIER MEMBRANE.
- 2. SURFACES SHALL BE CLEAN AND DRY AND PRIMED WITH CONTACT ADHESIVE.
- 3. ROUGH OPENING MEMBRANE FLASHING WILL BE CONTINUOUS SELF-ADHERING AIR AND VAPOR BARRIER MEMBRANE MATERIAL.
- 4. FLASHING MEMBRANE SHALL BE A MINIMUM OF 9" WIDE. THE FLASHING SHALL WRAP INTO WINDOW OPENING GREATER THAN THE DEPTH OF THE WINDOW AND OUT ONTO THE WALL A MINIMUM OF 3".

## 3 SELF-ADHERING MEMBRANE FLASHING SEQUENCE DETAIL AT ROUGH OPENING AE504,AE602, AE603 NOT TO SCALE



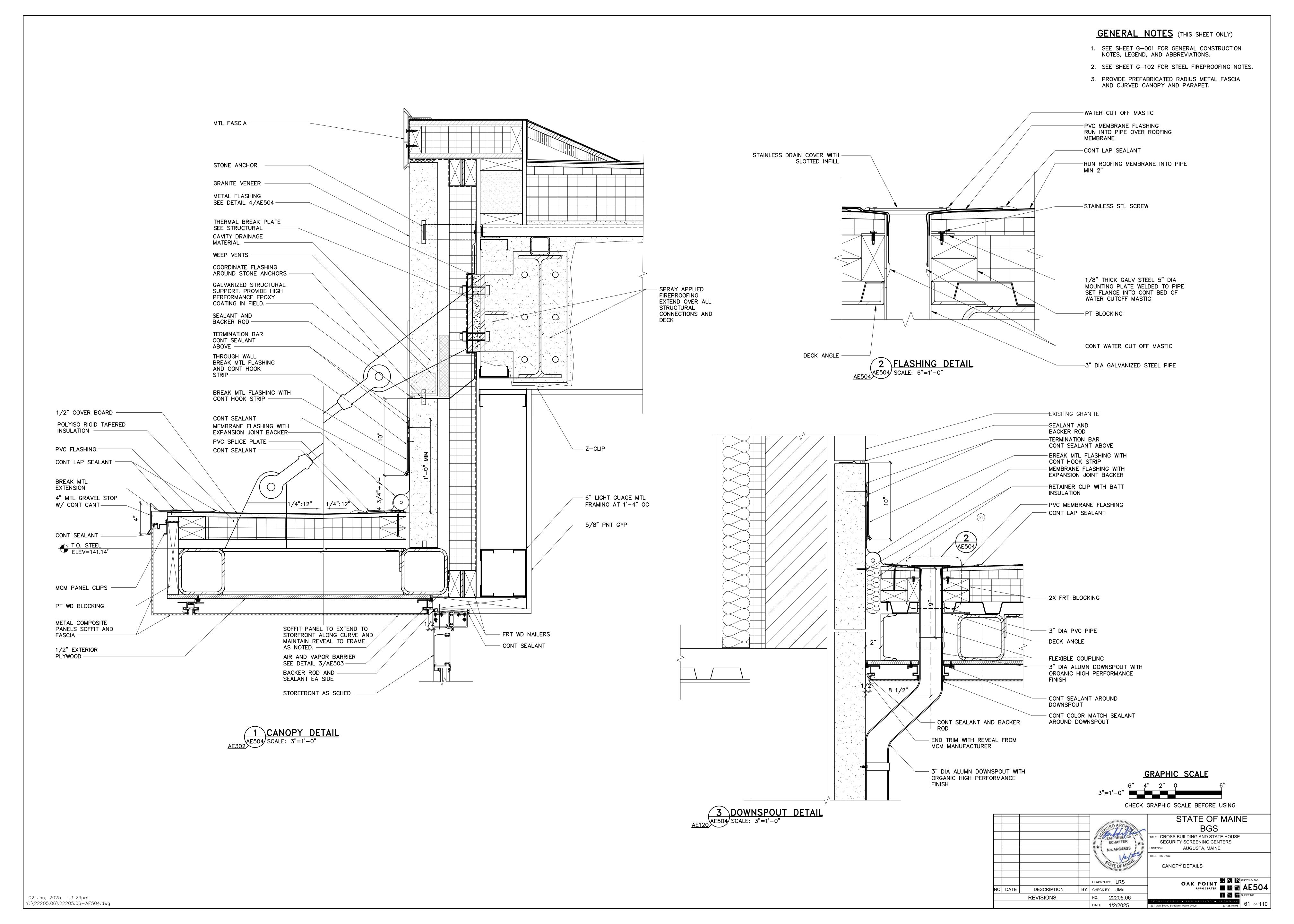
4 FLASHING AT THRU-WALL STRUCTURE
AE504 NOT TO SCALE

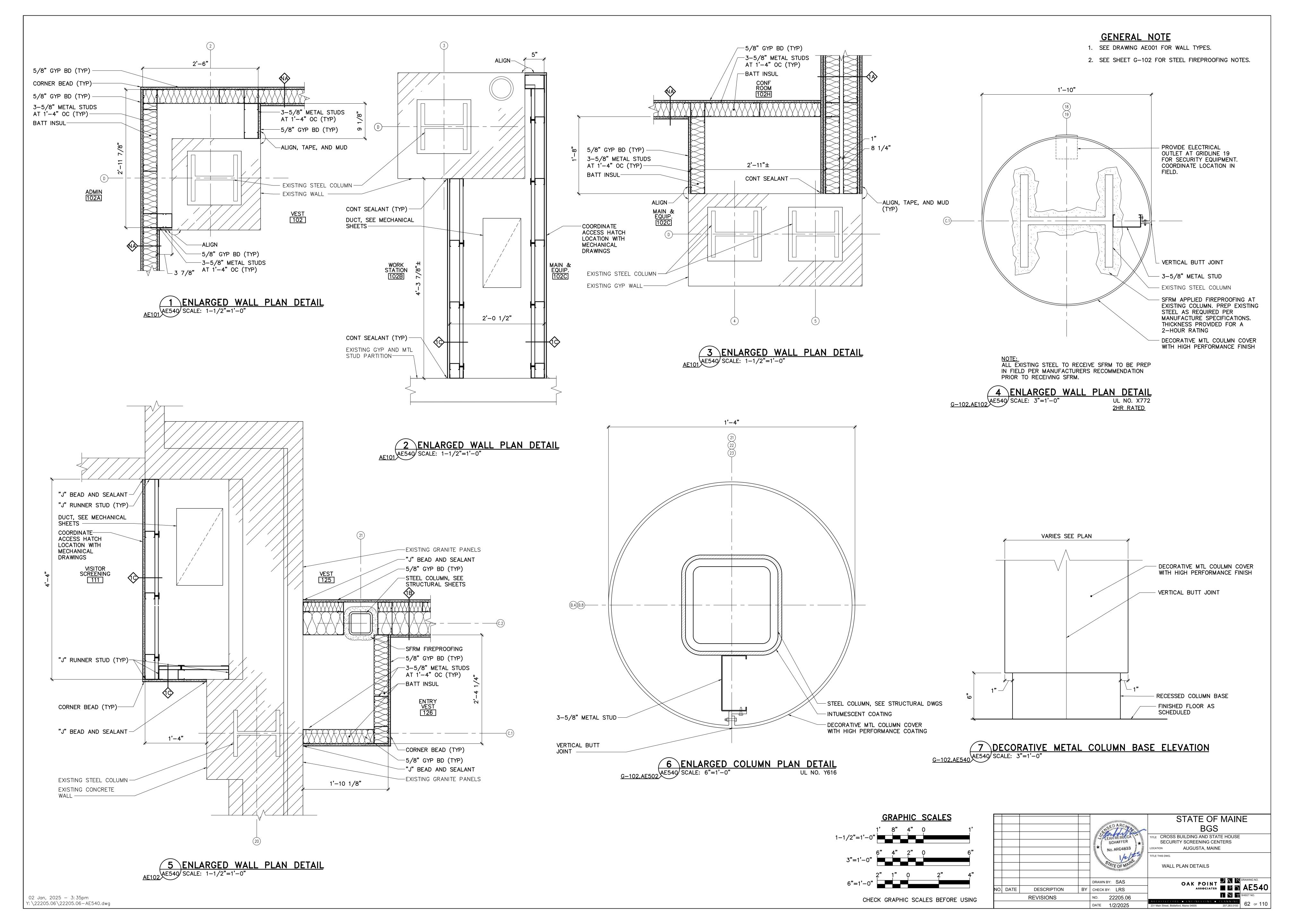


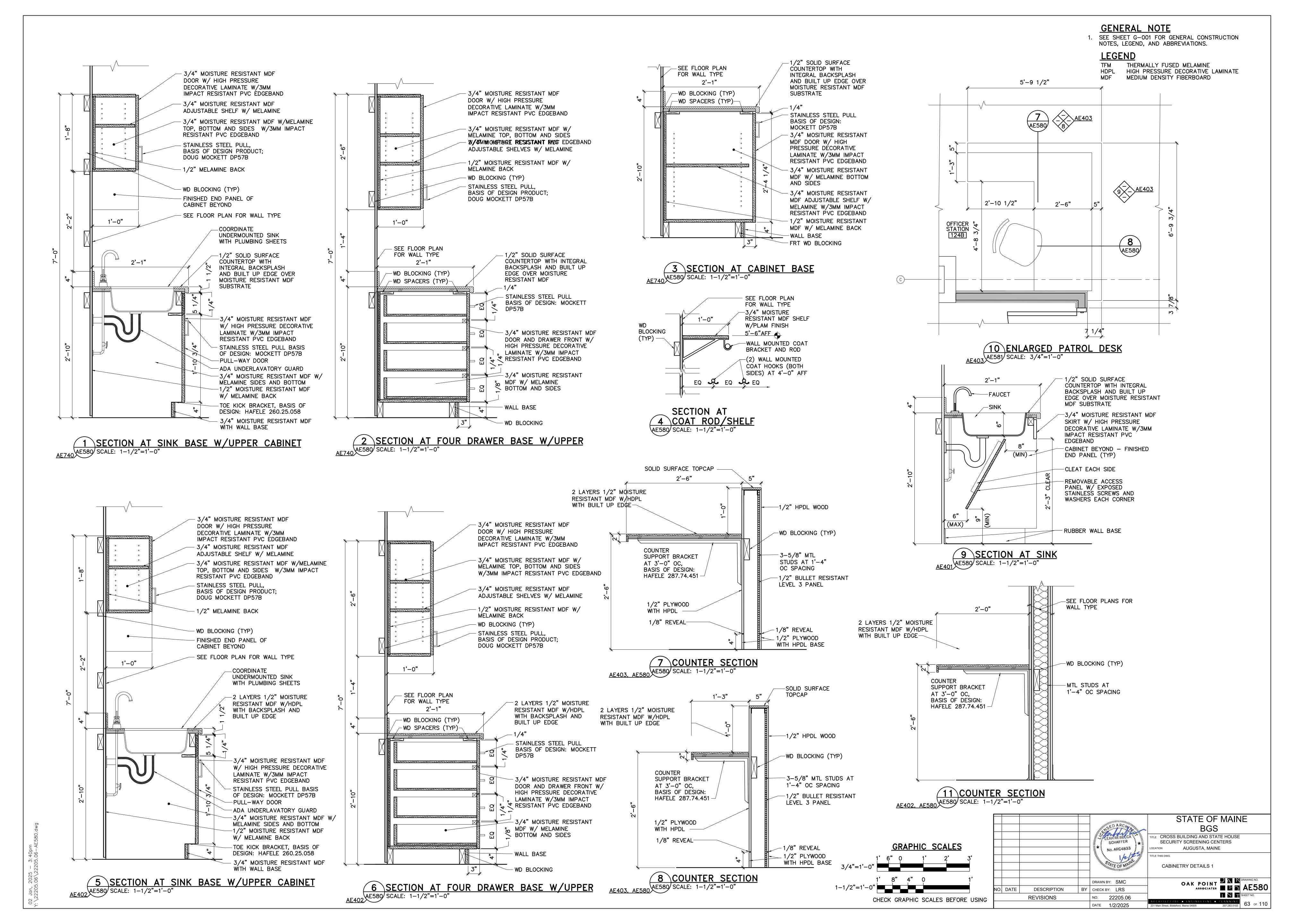
**GENERAL NOTE** 

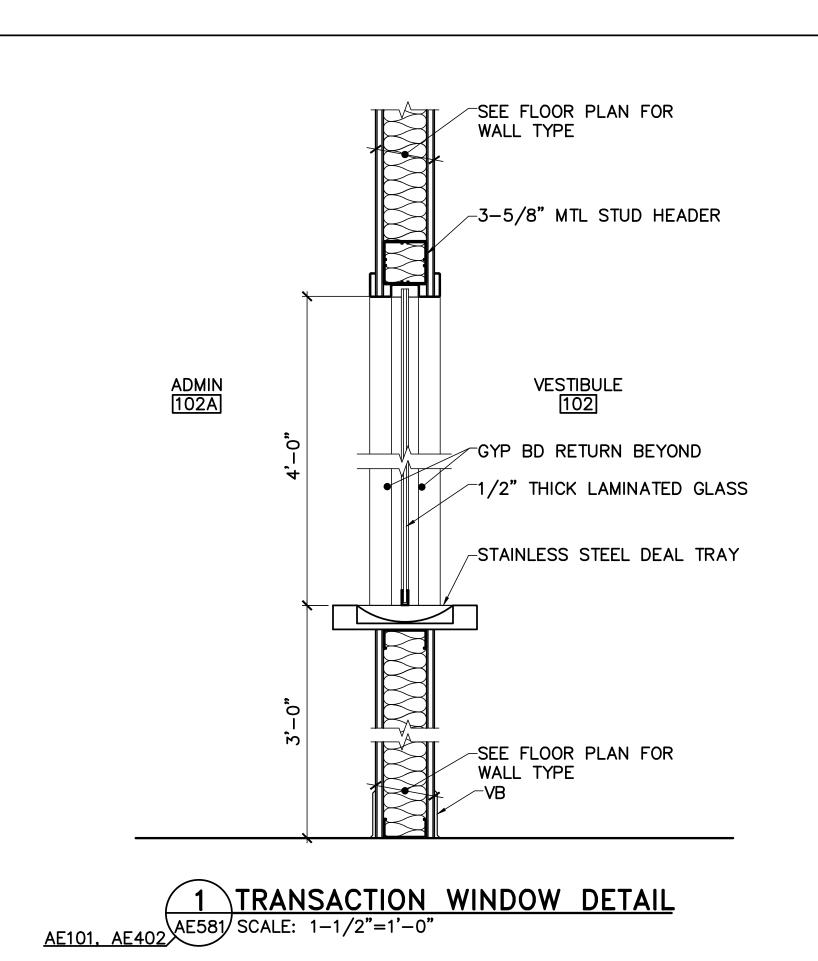
1. SEE SHEET G-001 FOR GENERAL CONSTRUCTION

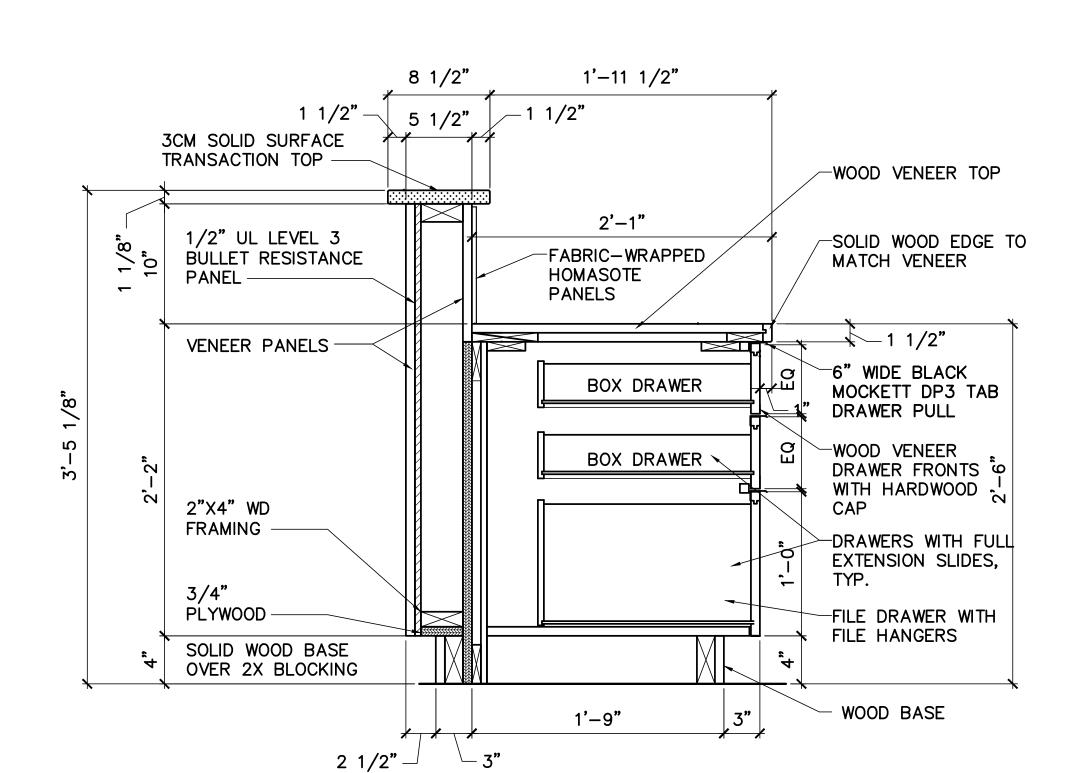
NOTES, LEGEND, AND ABBREVIATIONS.



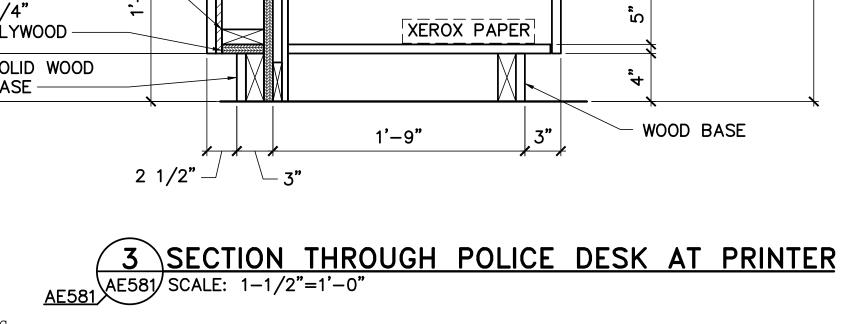




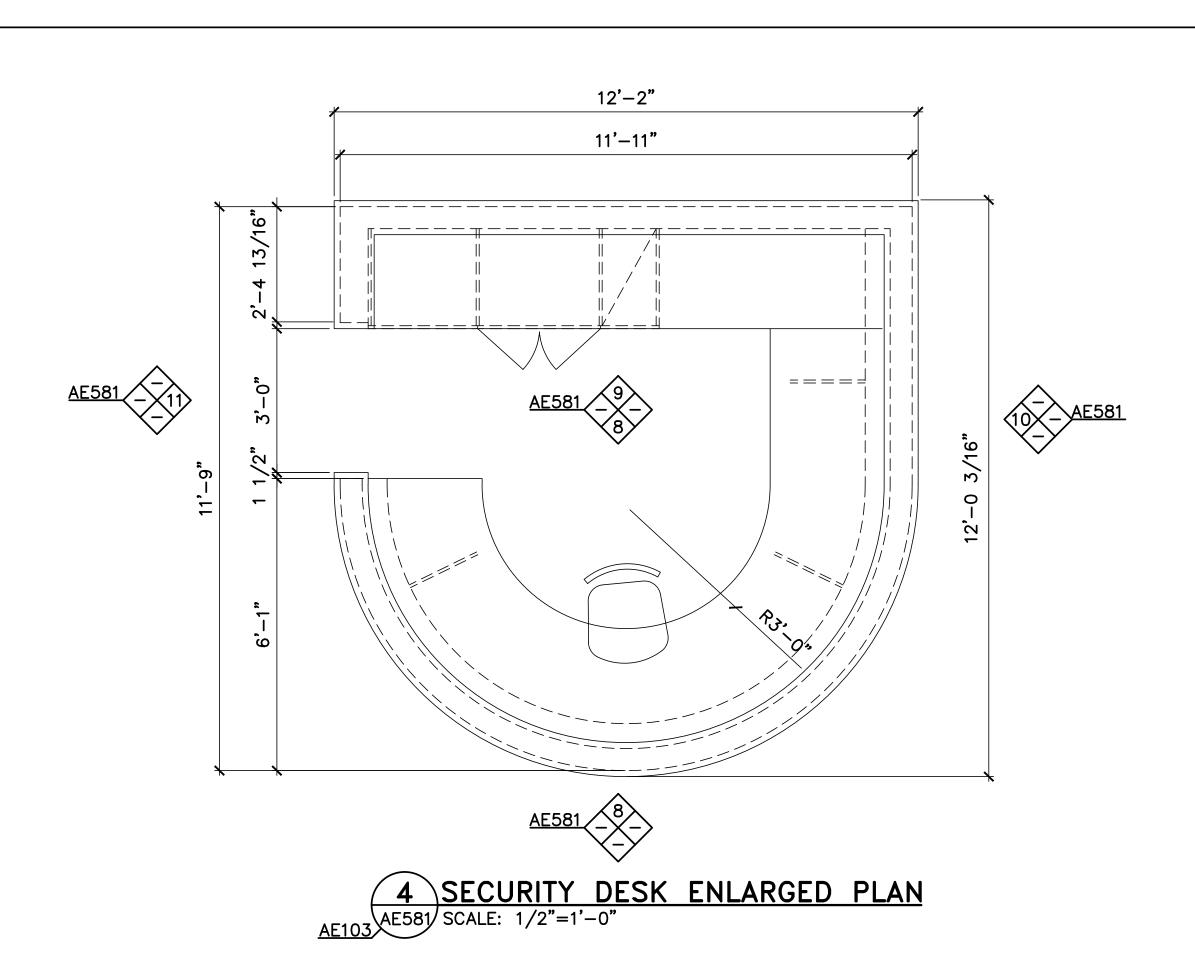


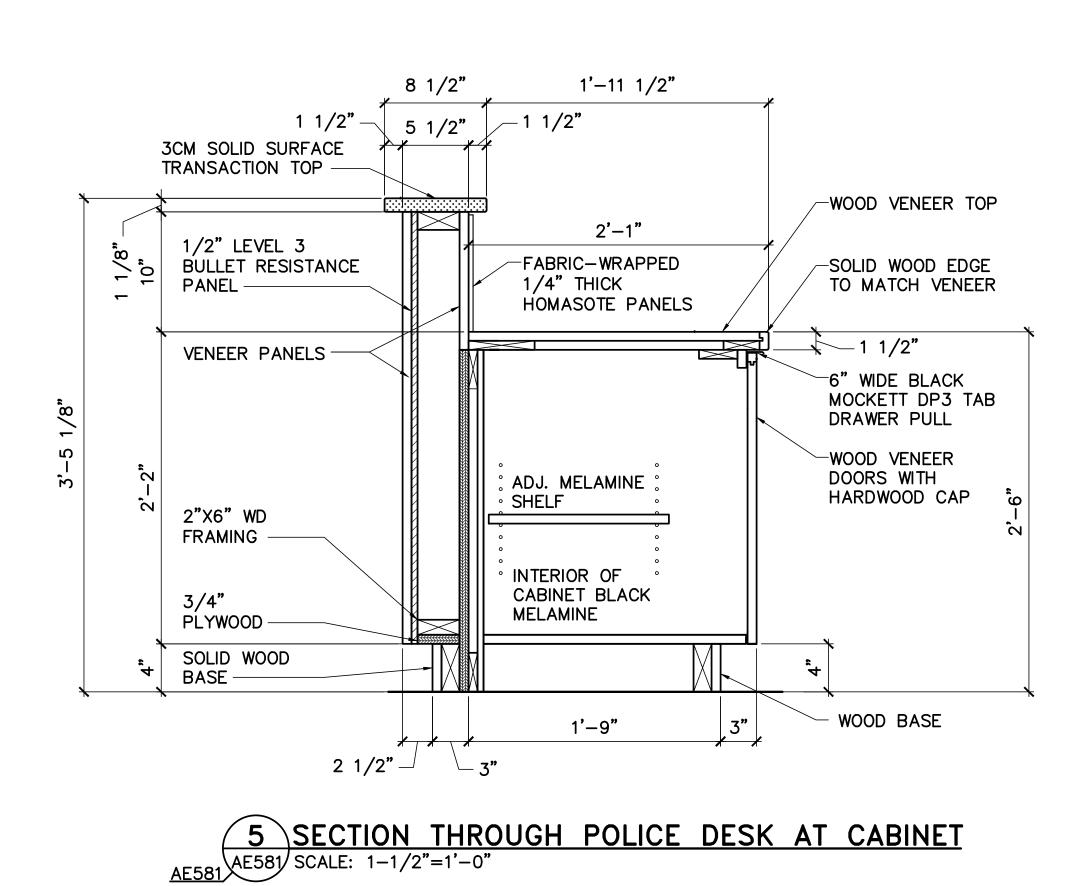


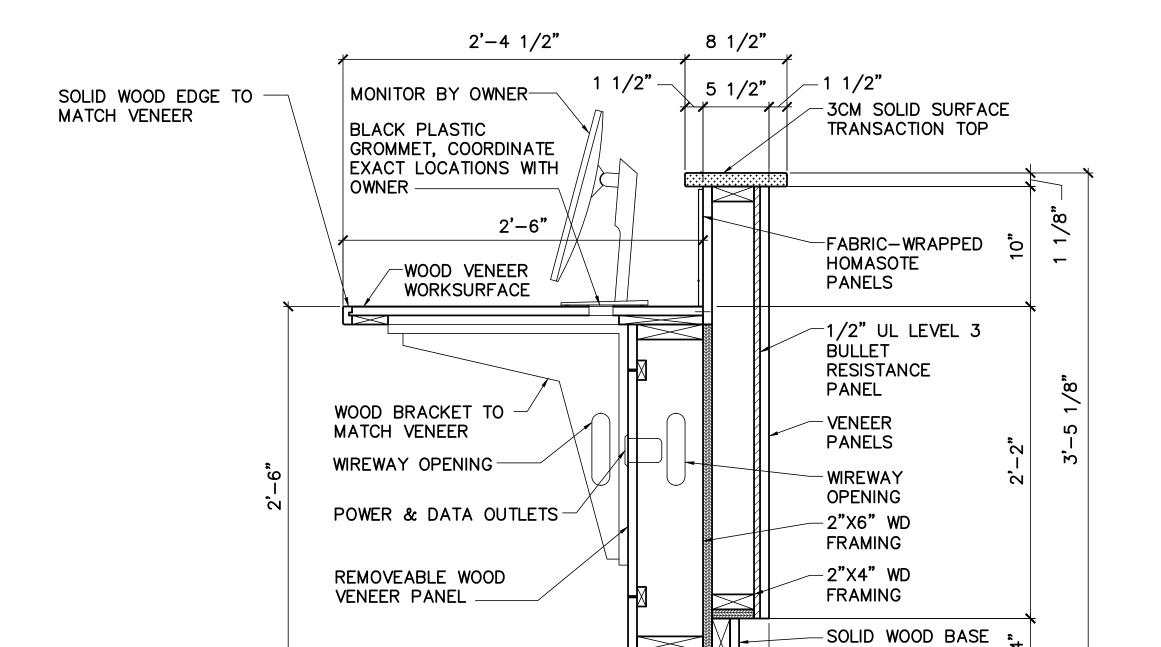
1'-11 1/2" 3CM SOLID SURFACE TOP --WOOD VENEER TOP -SOLID WOOD EDGE TO 2'-1" MATCH VENEER 1/2" UL LEVEL 3 -FABRIC-WRAPPED BULLET RESISTANCE HOMASOTE PANEL **PANELS** 1 1/2" 3/4" VENEER PANELS — -6" WIDE BLACK MOCKETT DP3 TAB POWER AND DRAWER PULL DATA OUTLETS -WOOD VENEER PRINTER: DOOR FRONTS (DIMENSIONS 2"X4" WD MUST BE FIELD -WOOD SHELF VERIFIED) FRAMING 3/4" XEROX PAPER PLYWOOD -SOLID WOOD BASE — - WOOD BASE 1'-9" 2 1/2"

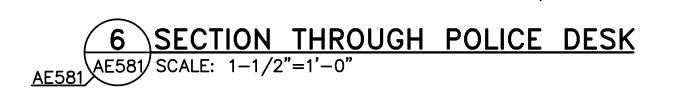


2 SECTION THROUGH POLICE DESK AT PED FILE
AE581 SCALE: 1-1/2"=1'-0"

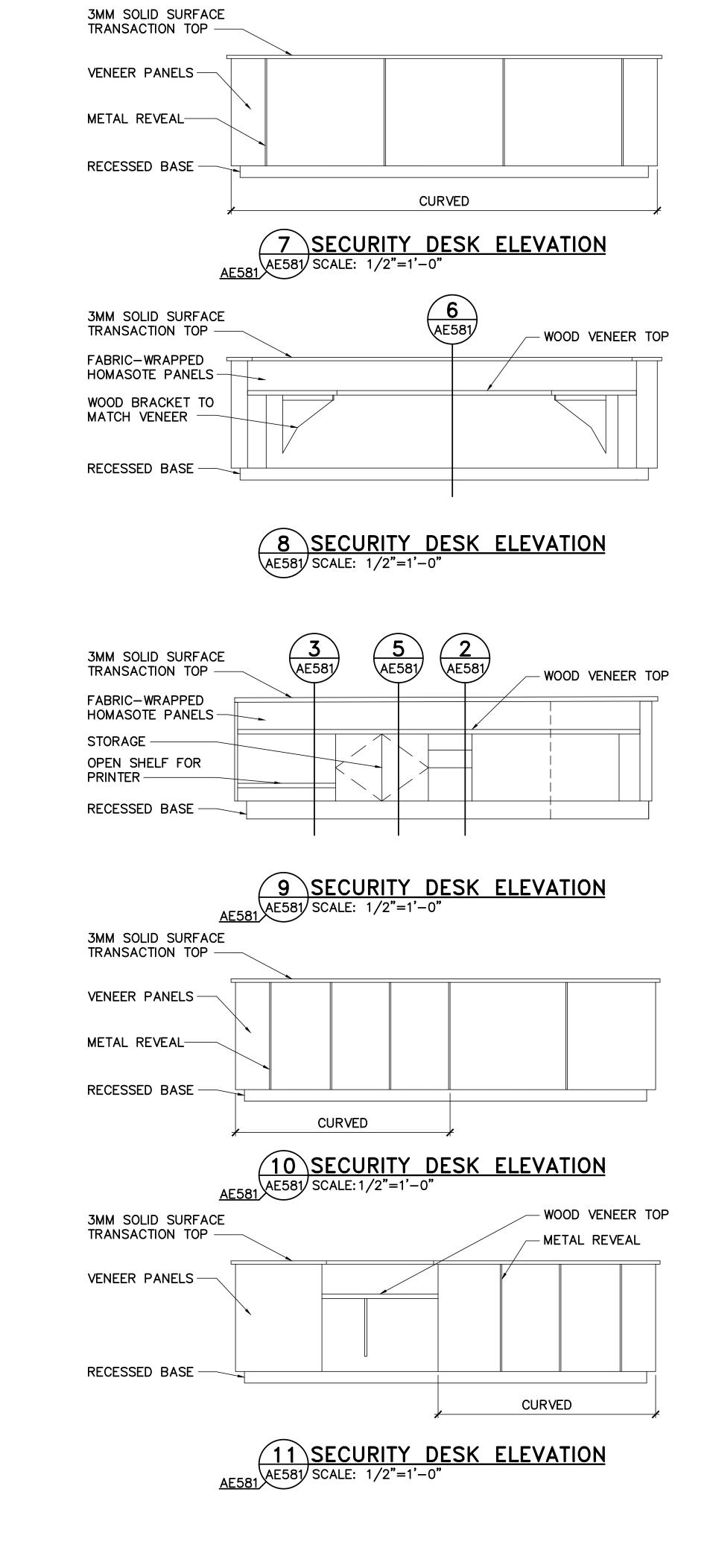


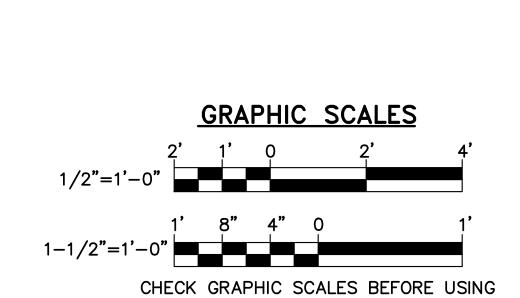






OVER 2X BLOCKING







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															GENERAL NOTES
DOOR SCHEDULE												1. SEE SHEET G-001 FOR GENERAL CO			
	DOOR					HARDWARE		FRAME		DETAILS		FIRE		NOTES, LEGEND, AND ABBREVIATION	
ROOM DESCRIPTION (FROM ROOM)	NO.	QTY SIZE	TYPE	MAT	FINISH	SET	TYPE	_	FINISH	HEAD	JAMB	SILL	RATING	NOTES	DOOR SCHEDULE GENERA
VESTIBULE	102	1 3'-0"x 7'-0"x 1-3/4"	В	НМ	PNT	11	1	НМ	PNT	9/AE601	10/AE601	_	90 MIN	_	
WORK STATIONS	102B	1 3'-0"x 7'-0"x 1-3/4"	В	НМ	PNT	6	1	НМ	PNT	9/AE601	10/AE601	_	_	Н	1. PROVIDE 3/4" UNDERCUT FOR NON DOORS.
MAIL & EQUIPMENT	102C	1 3'-0"x 7'-0"x 1-3/4"	В	НМ	PNT	6	1	НМ	PNT	9/AE601	10/AE601	_	90 MIN	_	
LIEUTENANT OFFICE	102D	1 3'-0"x 7'-0"x 1-3/4"	С	НМ	PNT	8	1	НМ	PNT	9/AE601	10/AE601	_	_	E,H	2. COORDINATE WIRING, ELECTRICAL DI
EVIDENCE ROOM	102E	1 3'-0"x 7'-0"x 1-3/4"	А	НМ	PNT	6	1	НМ	PNT	9/AE601	10/AE601	_	_	_	ELECTRICAL SHEETS AND SPECIFICA
CHIEF'S OFFICE	102F	1 3'-0"x 7'-0"x 1-3/4"	С	НМ	PNT	8	1	НМ	PNT	9/AE601	10/AE601	_	_	E,H	3. COORDINATE DOOR HANDING, SEE S
SERGENT OFFICE	102G	1 3'-0"x 7'-0"x 1-3/4"	С	НМ	PNT	8	1	НМ	PNT	9/AE601	10/AE601	_	_	E,H	AE102, AND AE103 FOR FLOOR PLA
CONFERENCE ROOM	102H	1 3'-0"x 7'-0"x 1-3/4"	С	НМ	PNT	8	1	НМ	PNT	9/AE601	10/AE601	_	_	E,H	DOOD SCHEDILLE NOTES
RESTROOM	108	1 3'-0"x 7'-0"x 1-3/4"	Α	НМ	PNT	9	2	НМ	PNT	9/AE601	10/AE601	_	90 MIN	G	DOOR SCHEDULE NOTES
LACTATION ROOM	109	1 3'-0"x 7'-0"x 1-3/4"	А	НМ	PNT	9	1	НМ	PNT	9/AE601	10/AE601	_	90 MIN	_	A. BALLISTIC-RESISTANT UL LEVEL 3
VESTIBULE	110	1 3'-0"x 7'-0"x 1-3/4"	В	НМ	PNT	6	1	НМ	PNT	9/AE601	10/AE601	_	90 MIN	_	FRAME, AND GLAZING.
VISITOR SCREENING	111	2 3'-6"x 7'-0"x 2-3/8"	D	ALUM	CLR	2	6	ALUM	I CLR	13/AE601	14/AE601	_	_	A,C,D	B. BALLISTIC-RESISTANCE UL LEVEL 3
INTERVIEW ROOM	111A	1 3'-0"x 7'-0"x 2-3/8"	А	НМ	PNT	7	1	НМ	PNT	1/AE601	2/AE601	_	90 MIN	В	AND FRAME.
OFFICE	111B	1 3'-0"x 7'-0"x 2-3/8"	В	НМ	PNT	7	1	НМ	PNT	1/AE601	2/AE601	_	90 MIN	А	0 000/405 /41/4 0000 001/405 500
SOUTH CORRIDOR	124	2 3'-6"x 7'-0"x 2-3/8"	D	ALUM	CLR	3	4	ALUM	I CLR	12/AE601	11/AE601	_	_	А	C. PROVIDE VINYL DOOR SIGNAGE FOR ADA OPERATORS.
STORAGE	124A	1 3'-0"x 7'-0"x 1-3/4"	Α	НМ	PNT	10	1	НМ	PNT	1/AE601	2/AE601	_	90 MIN	_	Non or Experience.
SOUTH CORRIDOR	125	2 3'-0"x 7'-0"x 2-3/8"	D	ALUM	CLR	2	4	ALUM	I CLR	12/AE601	11/AE601	_	_	A, C	D. COORDINATE OVERALL FRAME HEIGH
VESTIBULE 125	C2	2 3'-0"x 7'-0"x 1-3/4"	D	ALUM	CLR	1	3	ALUM	CLR	4/AE603	2J/AE603	8/AE603	_	C, F	EXISTING GRANITE COURSING AND \ FIELD.
ENTRY VESTIBULE	C3	2 3'-6"x 7'-0"x 1-3/4"	D	ALUM	CLR	1	3	ALUM	I CLR	2G/AE603	2D/AE603	8/AE603	_	С	
STATE HOUSE															E. PROVIDE DOOR MOUNTED ROLLER S
ENTRY VESTIBULE	138A	2 3'-0"x 8'-0"x 2-3/8"	D	ALUM	BRONZE	4	4	ALUM	BRONZE	12/AE601	11/AE601	_	_	A, C	WITHOUT FASCIA AT GLAZING.
EXIT VESTIBULE	138B	2 3'-0"x 8'-0"x 2-3/8"	D	ALUM	BRONZE	5	4	ALUM	BRONZE	12/AE601	11/AE601	_	_	A, C, F	F. PROVIDE STAINLESS STEEL BLANK (

			BORF	ROWE	D LITE S	CHEDULE			
	MATERIAL					FIRE	T		
TYPE	WIDTH	HEIGHT	MAT	FINISH	HEAD	JAMB	SILL	RATING	NOTES
BL1	SEE DOOR	FRAME TYPES	НМ	PNT	6/AE601	7/AE601	8/AE601	_	_
BL2	3'-6"	3'-6"	STEEL	РC	3/AE601	4/AE601	5/AE601	120 MIN	Α

#### BORROWED LITE SCHEDULE LEGEND

ALUM = ALUMINUM

PNT = PAINT

#### BORROWED LITE SCHEDULE NOTES

A. BALLISTIC-RESISTANT UL LEVEL 3 GLAZING AND FRAME.

GLASS STOP

ON PRIVATE

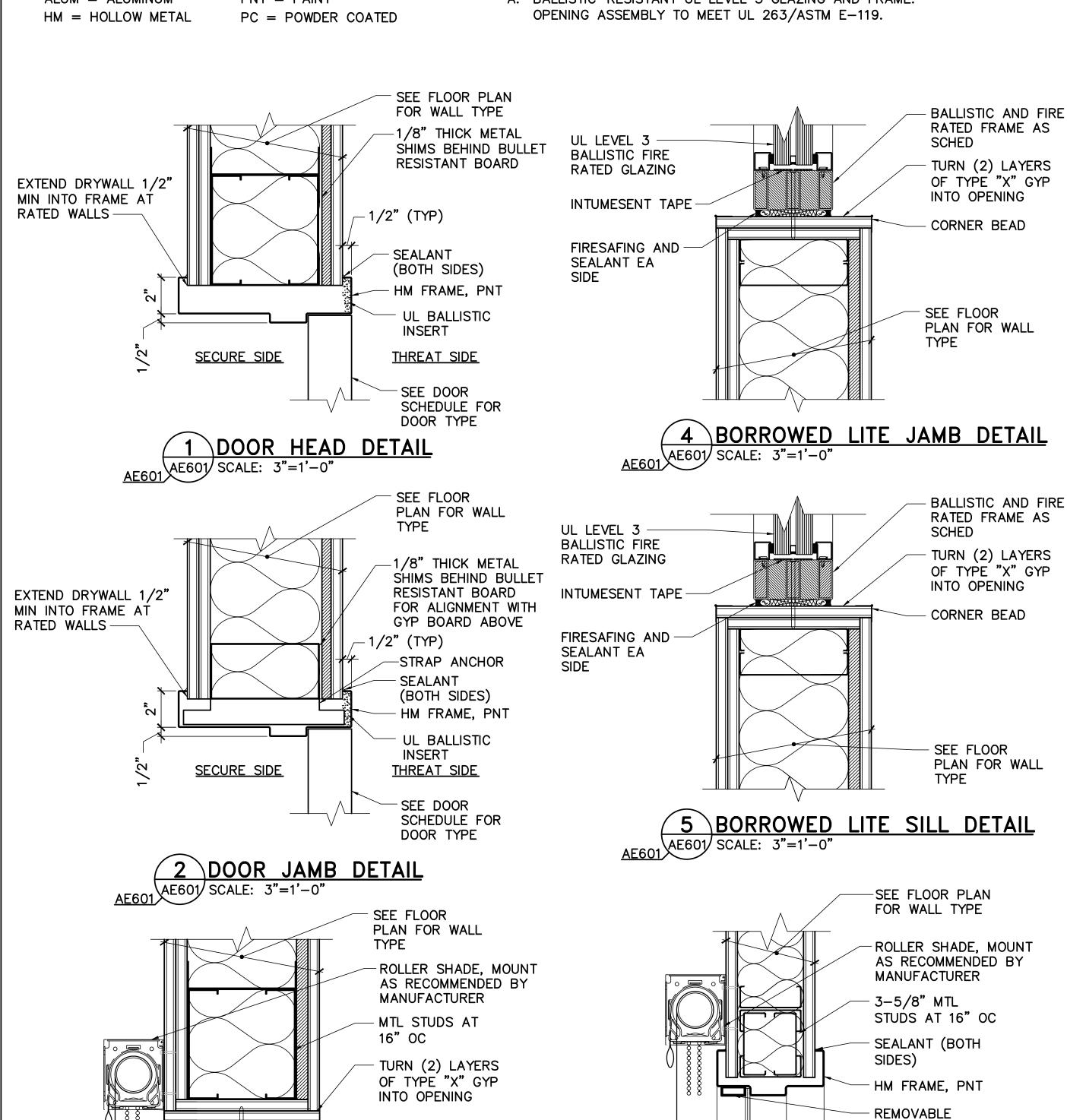
OFFICE SIDE

- TEMPERED

GLAZING

6 BORROWED LITE HEAD DETAIL

AE601 SCALE: 3"=1'-0"



FIRESAFING AND

- INTUMESENT TAPE

SEALANT EA

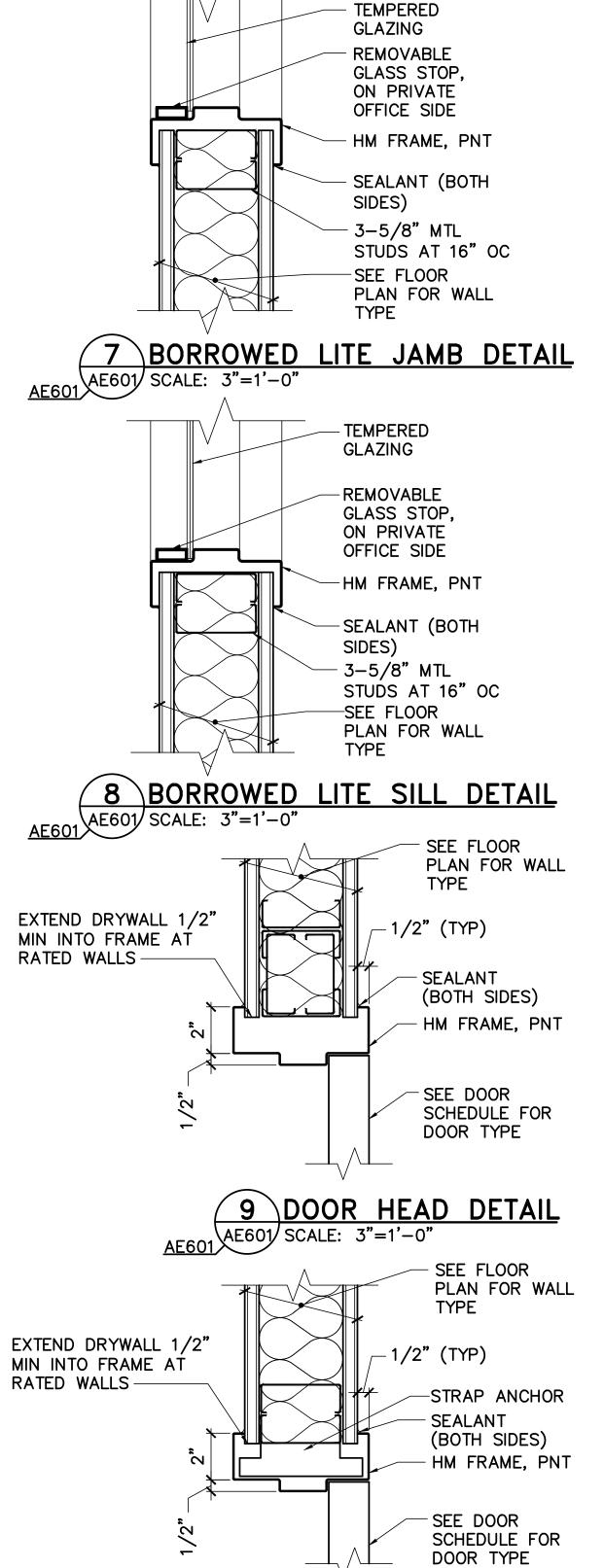
- UL LEVEL 3

BORROWED LITE HEAD DETAIL

AE601 SCALE: 3"=1'-0"

BALLISTIC FIRE

RATED GLAZING



10 DOOR JAMB DETAIL
AE601 SCALE: 3"=1'-0"

ELECTRICAL SHEETS AND SPECIFICATIONS.

AE102, AND AE103 FOR FLOOR PLANS.

B. BALLISTIC-RESISTANCE UL LEVEL 3 FOR DOOR

D. COORDINATE OVERALL FRAME HEIGHT WITH EXISTING GRANITE COURSING AND VERIFY IN

E. PROVIDE DOOR MOUNTED ROLLER SHADE

AT EXISTING AND/OR FUTURE ADA PUSH

G. REINSTALL SALVAGED PRIVACY LOCKSET WITH

H. PROVIDE 1/4" THICK LAMINATED GLAZING.

DOOR SCHEDULE LEGEND

CLEAR ANODIZED

GALVANIZED STEEL

HIGH PERFORMANCE COATING

EXISTING

**GLASS PANEL** 

INDICATOR TRIM FROM EXISTING DOOR 129.

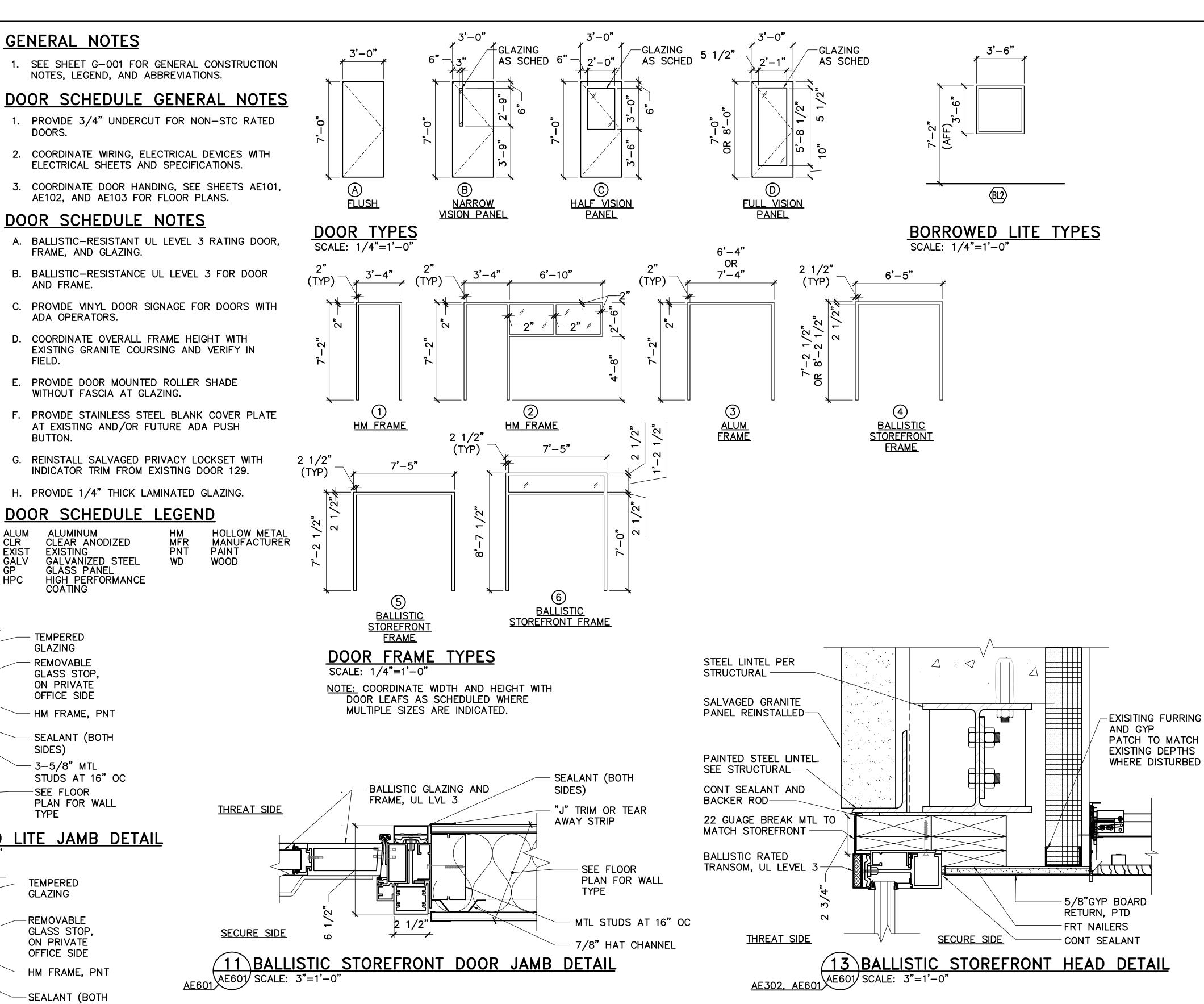
HM MFR PNT

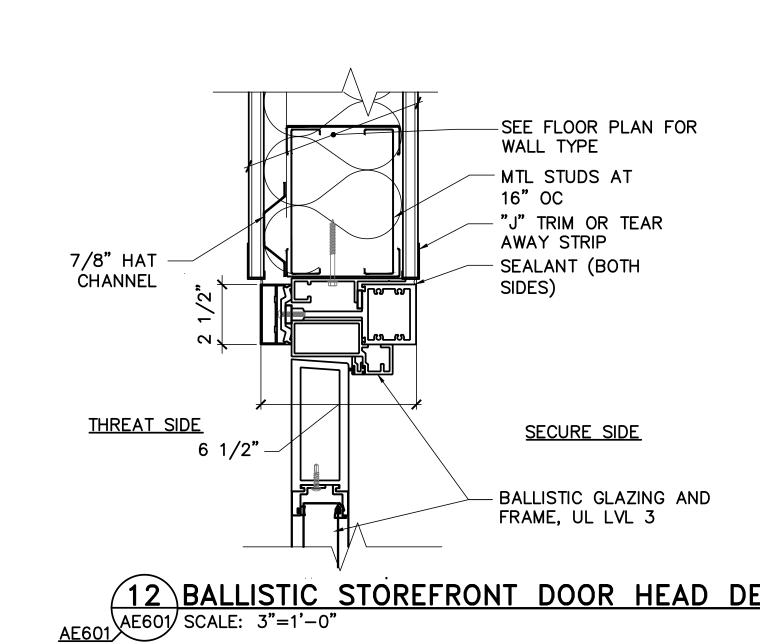
WD

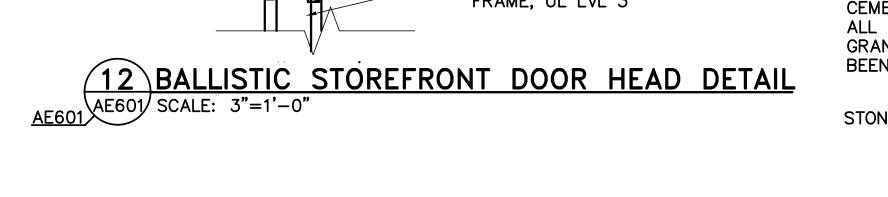
PAINT

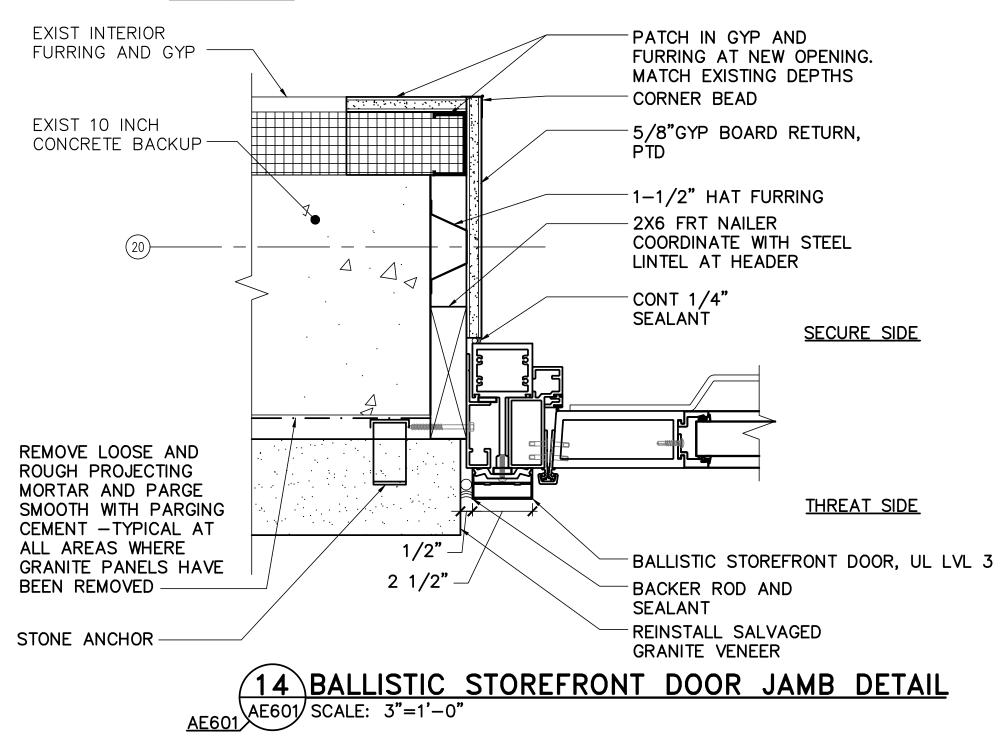
WOOD

BUTTON.



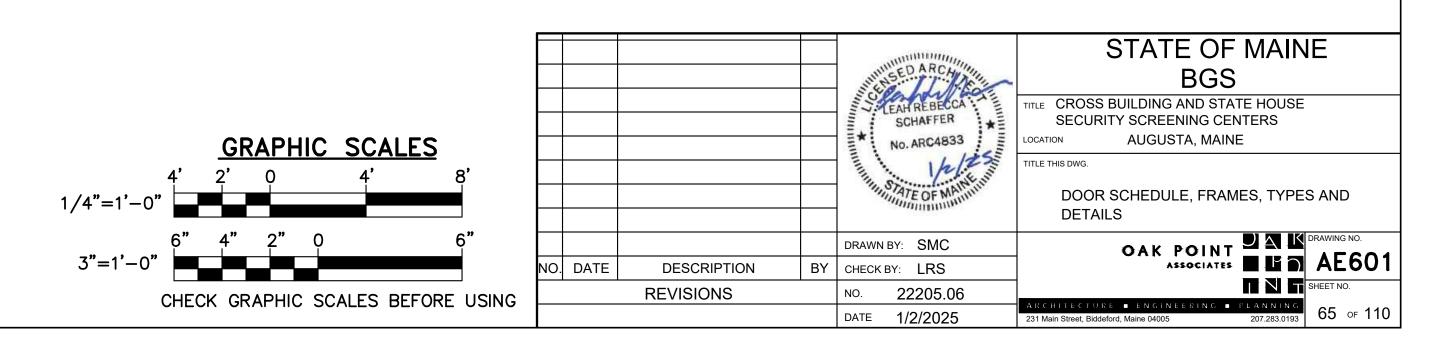


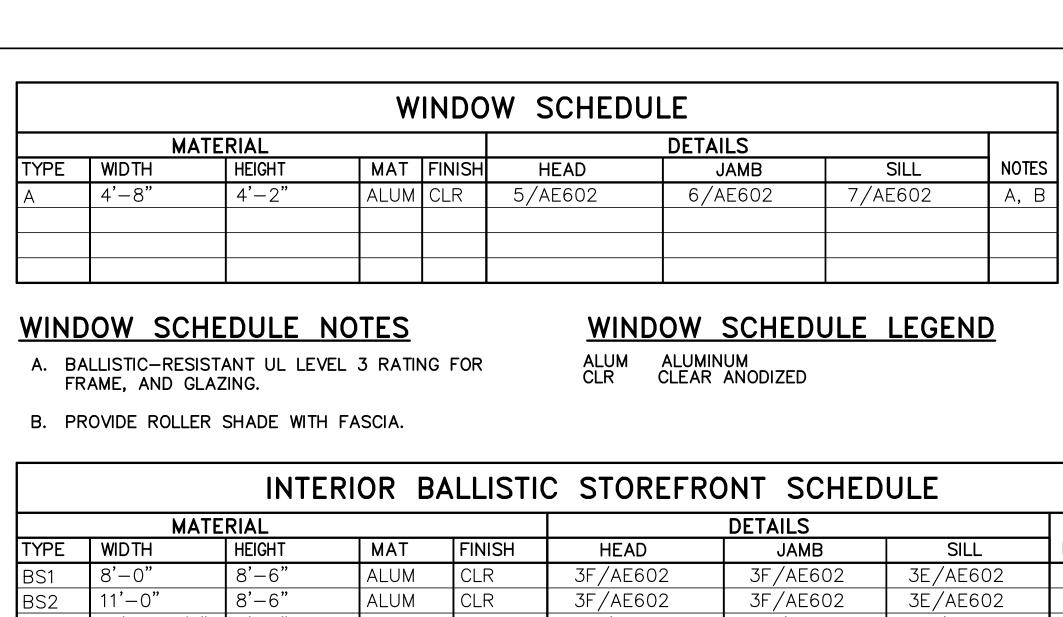


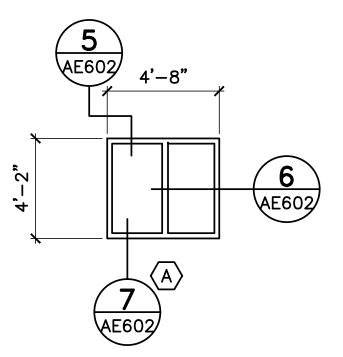


AND GYP

PATCH TO MATCH







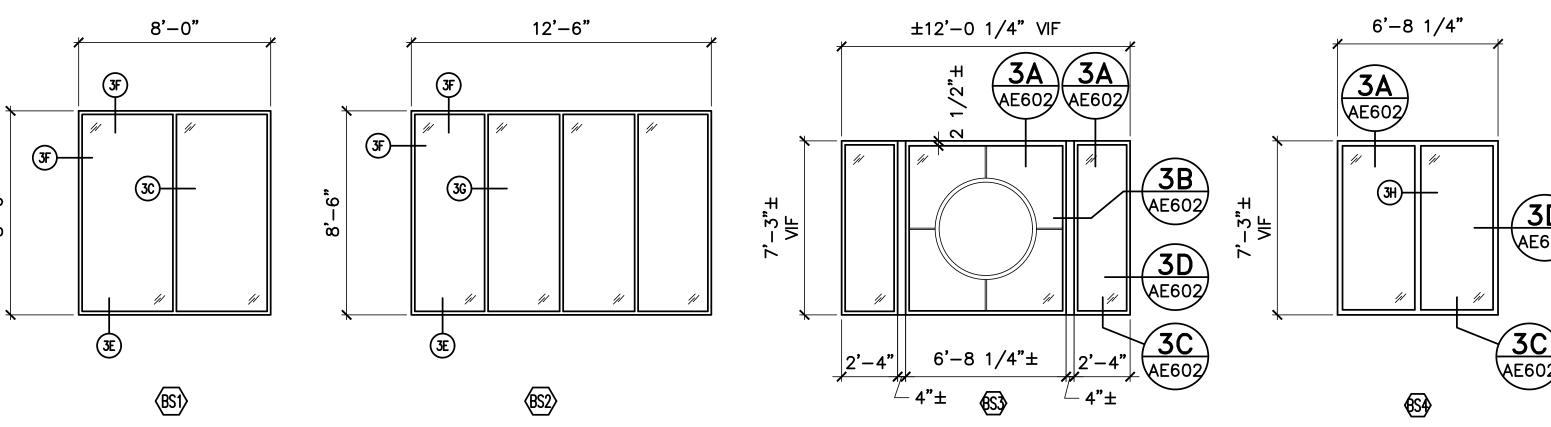
- 1. VERIFY EXISTING WINDOW OPENINGS, WINDOW SIZES TO MATCH EXISTING.
- 2. SEE SHEET AE602 FOR WINDOW SHADE SCHEDULE.

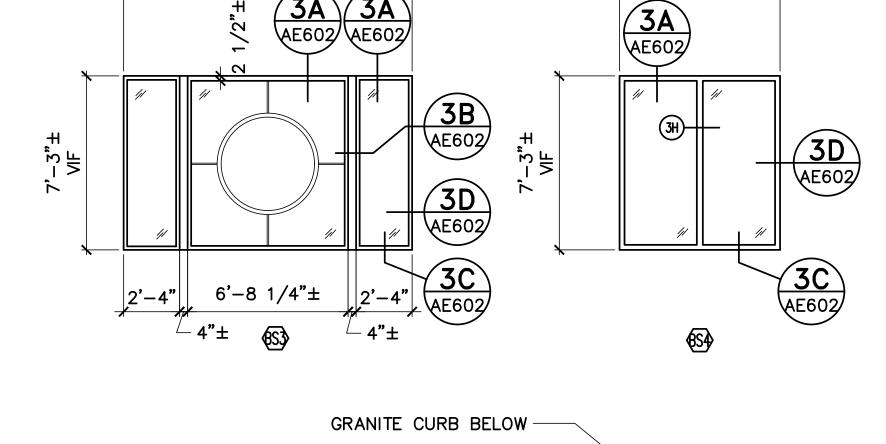
1 WINDOW TYPES AE602 SCALE: 1/4"=1'-0"

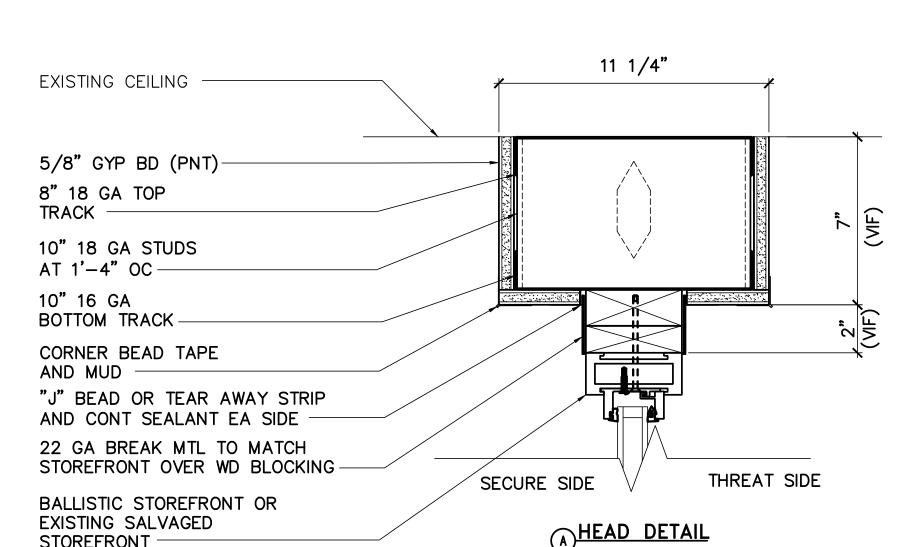


#### INTERIOR BALLISTIC STOREFRONT NOTES

A. SALVAGED STOREFRONT WITH STATE SEAL TO BE REINSTALLED WITHIN NEW STOREFRONT SYSTEM. B. BALLISTIC RATED UL LVL 3 GLAZING AND FRAME.

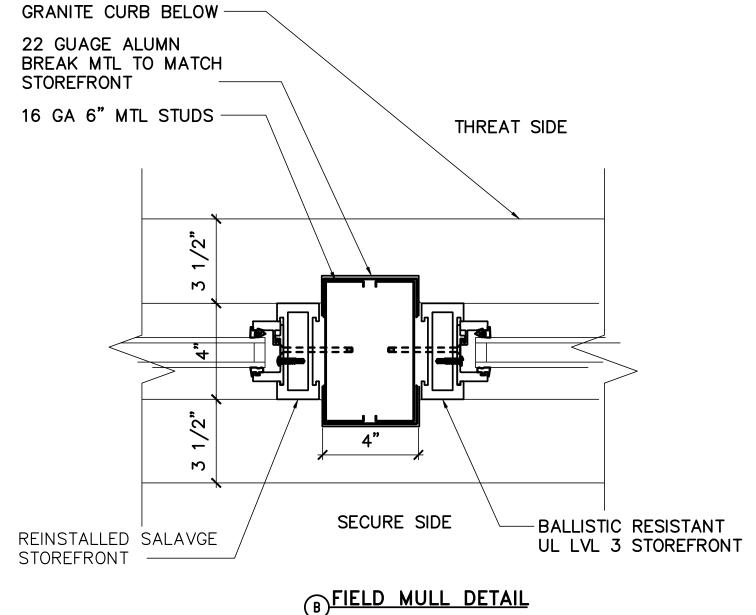


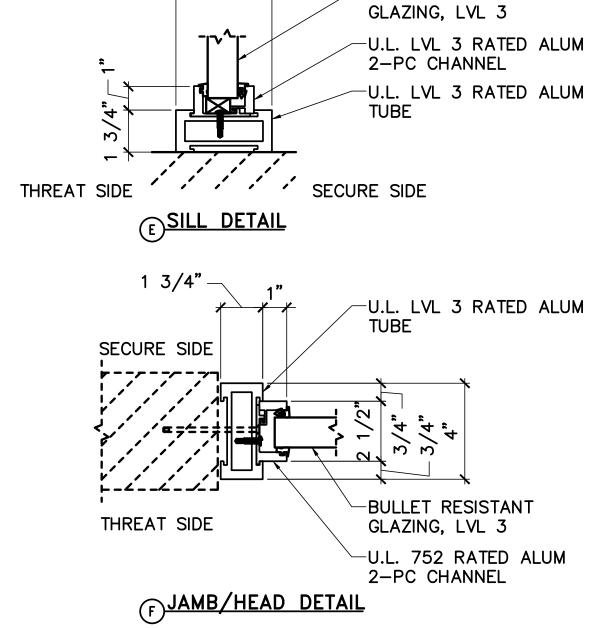




2 INTERIOR STOREFRONT TYPES

AE602 SCALE: 1/4"=1'-0"





1" — 1 3/4" / <sup>1</sup>"

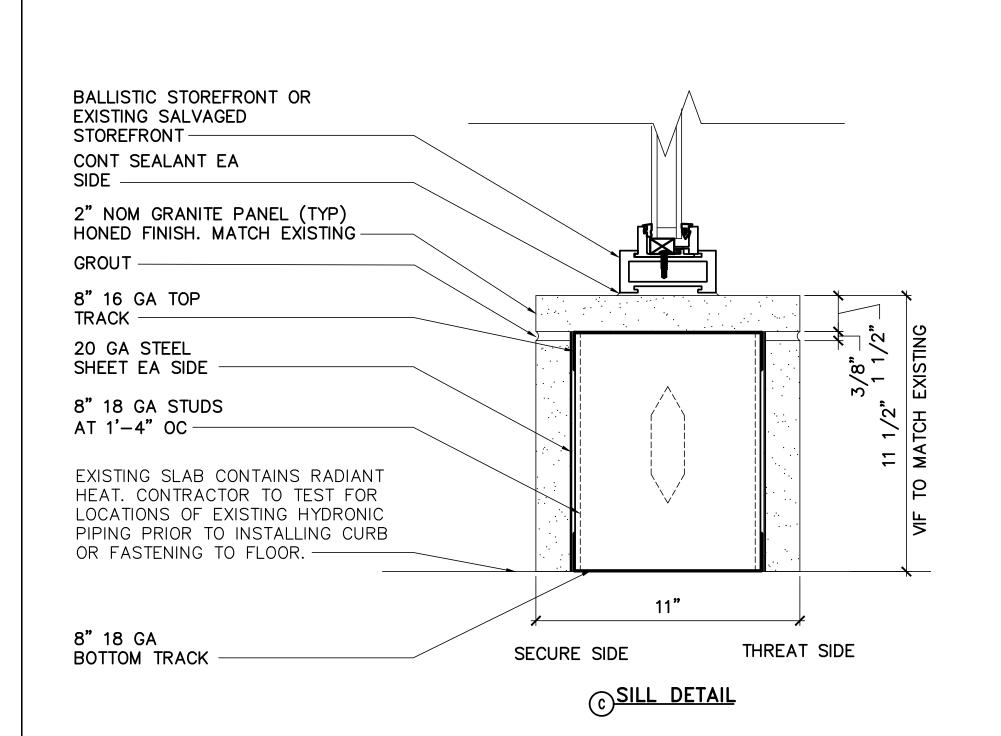
-BULLET RESISTANT

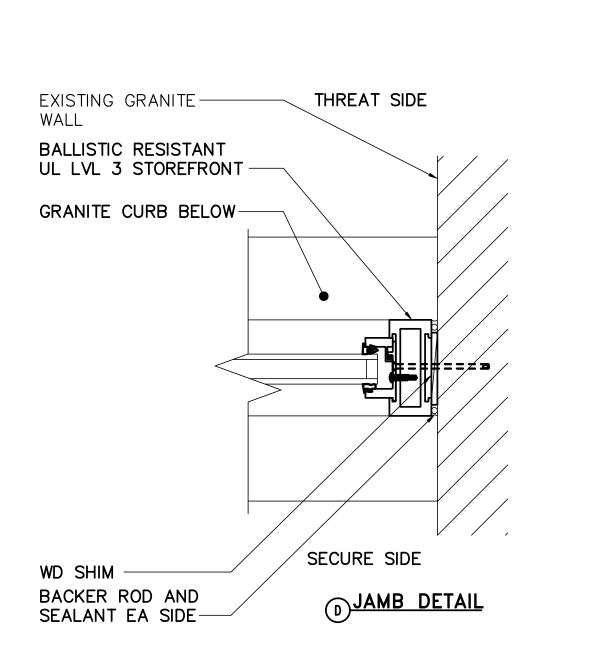
\_\_U.L. LVL 3 RATED ALUM

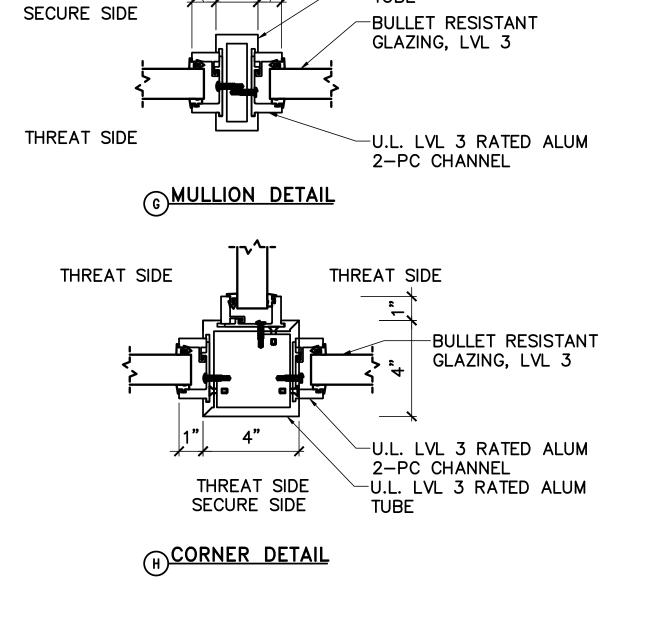
GENERAL NOTE

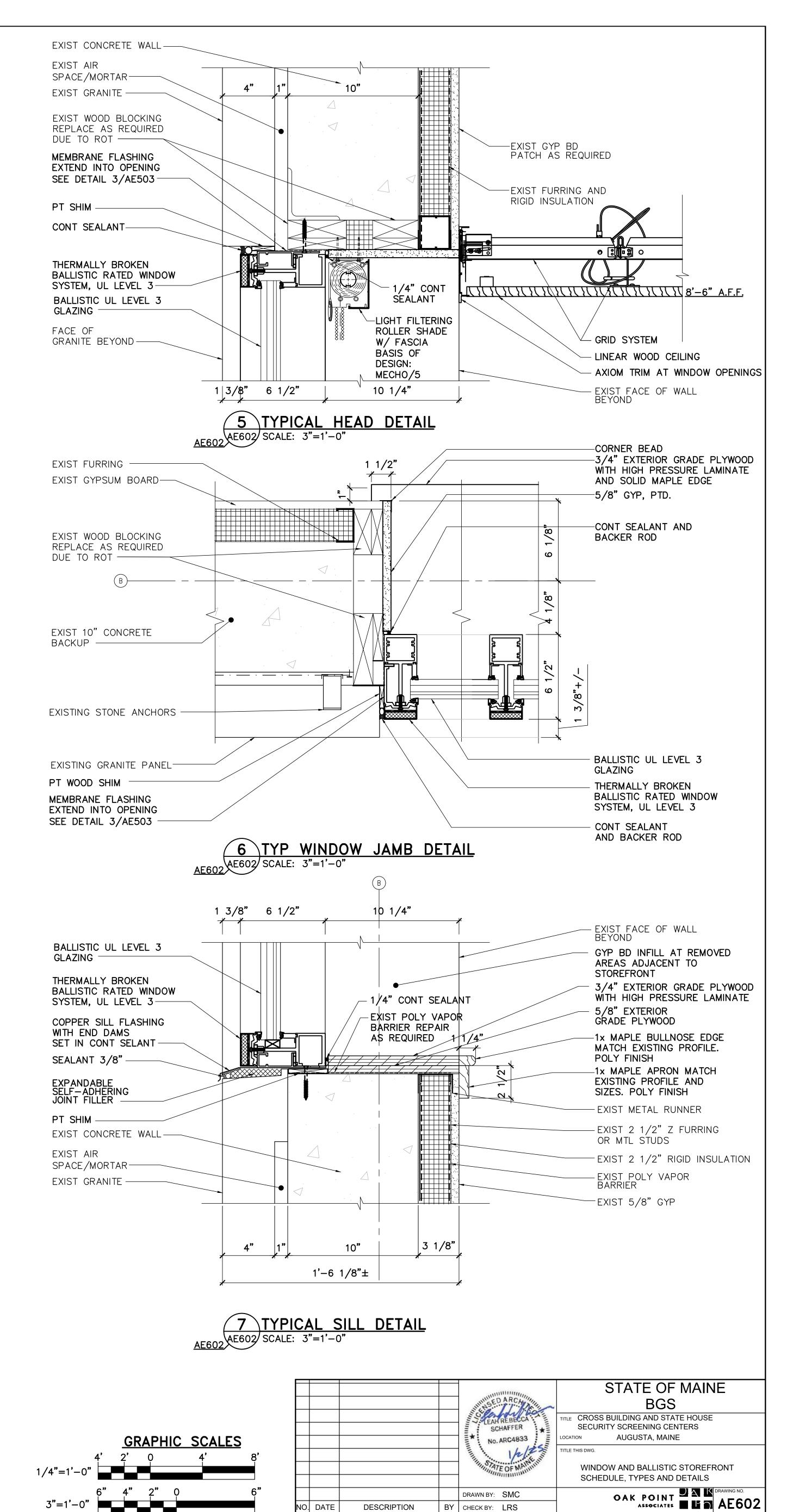
1. SEE SHEET G-001 FOR GENERAL CONSTRUCTION

NOTES, LEGEND, AND ABBREVIATIONS.









NO. DATE

CHECK GRAPHIC SCALES BEFORE USING

DESCRIPTION

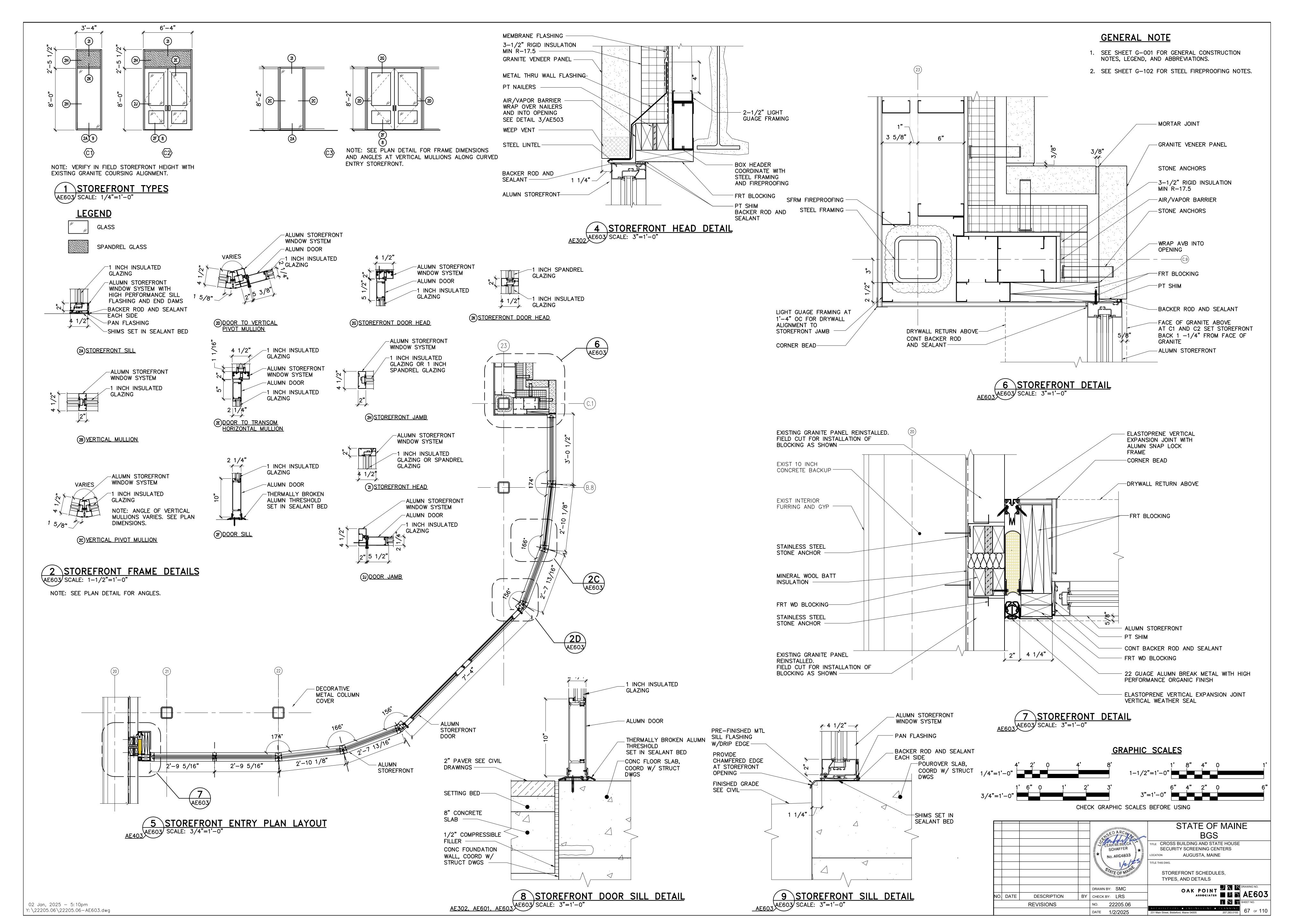
**REVISIONS** 

BY CHECK BY: LRS

NO. 22205.06

DATE 1/2/2025

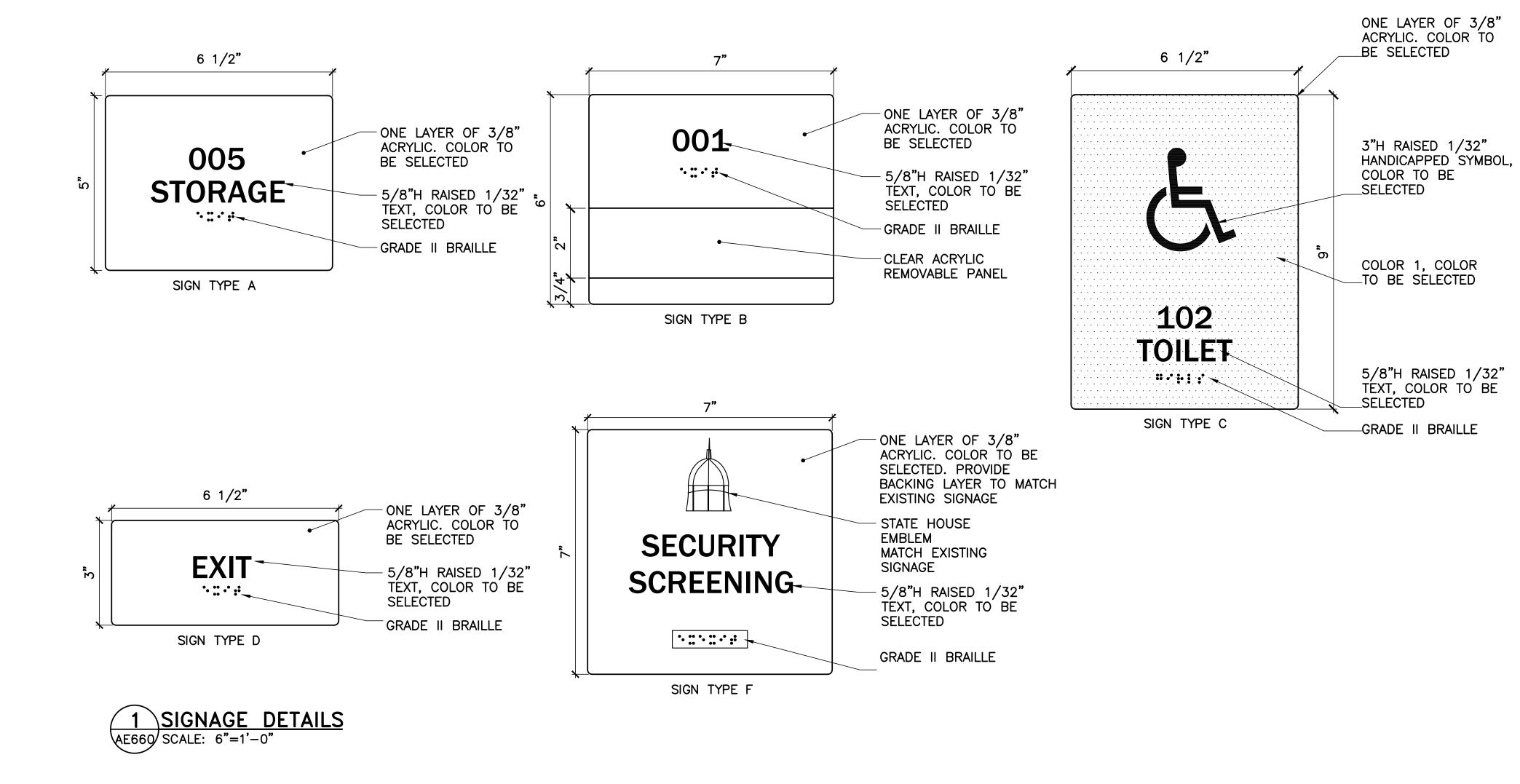
STOREFRONT



ROOM SIGNAGE SCHEDULE								
DOOR NO.	ROOM ON PLAN	ROOM NAME ON SIGN	SIGN TYPE	NOTES				
FIRST I	FLOOR	•	•					
102	VEST	102	В					
102F	CHIEF'S OFFICE	CHIEF'S OFFICE	Α					
102H	CONFERENCE ROOM		Α					
102C	MAIL & EQUIPMENT		В					
108	RESTROOM	RESTROOM	С					
109	LACTATION ROOM	WELLNESS ROOM	Α					
111	ENTRY VEST	EXIT	D	В				
111A	INTERVIEW ROOM	INTERVIEW ROOM	Α					
111B	OFFICE	OFFICE	Α					
110/11:	2 PROPERTY MANAGEMENT	110/112	В	Α				
125	VEST	EXIT	D	В				
C2	VEST	EXIT	D	В				
138B	EXIT	EXIT	D	В				
139	SECURITY SCREENING	SECURITY SCREENING	F	С				

#### SIGNAGE SCHEDULE NOTES

- A. REINSTALL SALVAGED ROOM SIGNAGE
- B. SIGNAGE TO BE INSTALLED ON EGRESS SIDE OF DOOR.
- C. INSTALL ROOM SIGNAGE OUTSIDE OF NEW OPENING.



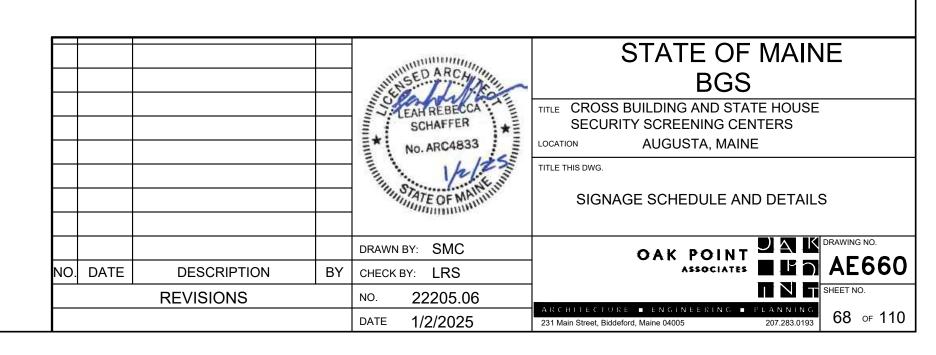
CAST CHARACTERS FONT: HELVETICA

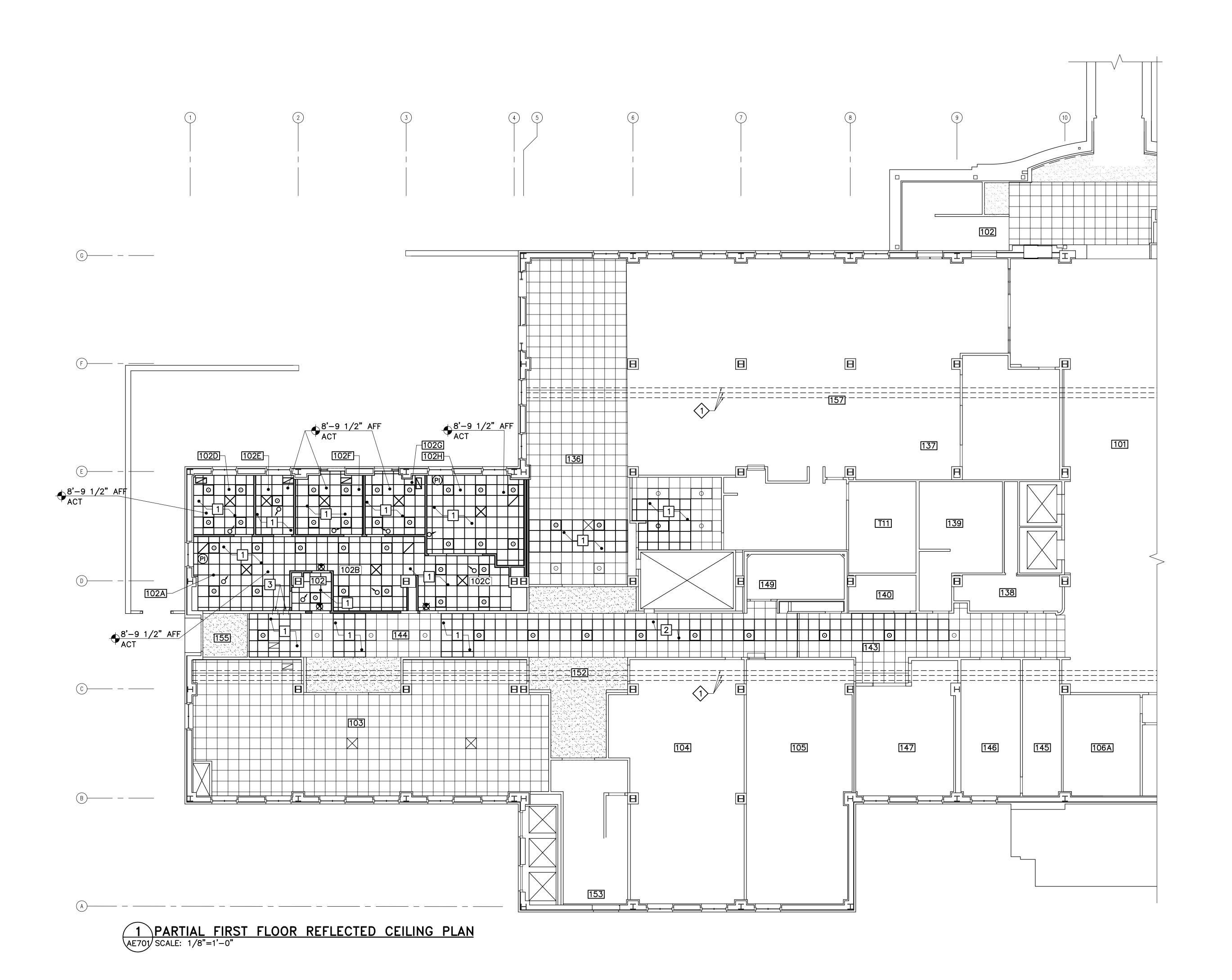
2 DIMENSIONAL CHARACTER TYPES

SIGN TYPE D 9 INCHES HEIGHT

#### GENERAL SIGNAGE NOTES

- 1. SIGNS WILL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. WHEN THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING DOUBLE LEAF DOORS, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL.
- 2. MOUNTING HEIGHT FOR ALL SIGNS IS 5'-0" FROM FINISHED FLOOR TO CENTER LINE OF SIGN.
  - 3. ROOM NUMBERS AND NAMES SHOWN ARE SAMPLES ONLY, COORDINATE ROOM NUMBERS, NAMES AND TITLES WITH THE OWNER.
  - 4. ALL ROOM SIGNS TO MATCH EXISTING BUILDING SIGNAGE. CONTRACTOR TO CONFIRM AND VERIFY ALL DIMENSIONS, FONTS, AND COLORS WITH OWNER PRIOR TO ORDERING.
  - 5. PROVIDE VINYL ADA DECALS ON ALL POWER OPERATED DOORS. SEE DOOR SCHEDULE ON AE601





- SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. COORDINATE WITH MECHANICAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL DRAWINGS.
- 3. COORDINATE PHASING WORK WITH PHASING PLAN SHOWN ON G-109.

#### KEYNOTES (THIS SHEET ONLY)

- 1 SUSPENDED 2'x2' ACOUSTICAL CEILING TILE AND GRID SYSTEM.
- 2 REINSTALL SUSPENDED 2'x2' ACOUSTICAL CEILING TILE.
- PATCH AT METAL STUD AND GYPSUM PARTITION
  ABOVE CEILING WHERE DUCT WAS REMOVED AND FIRE
  DAMPER HAS BEEN PROVIDED. MATCH WIDTH OF
  EXISTING CONSTRUCTION AND MAINTAIN 2—HR FIRE
  RATED WALL CONSTRUCTION. ALL GYPSUM BOARD
  JOINTS TO BE TAPED AND MUDDED.

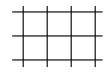
### EXISTING KEYNOTE (THIS SHEET ONLY) (1) WALK DUCT.

#### CEILING LEGEND

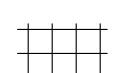
EXISTING GYPSUM BOARD CEILING



GYPSUM BOARD CEILING



EXISTING 2'-0" x 2'-0"
SUSPENDED ACOUSTICAL
CEILING TILE SYSTEM



2'-0" x 2'-0" SUSPENDED ACOUSTICAL CEILING TILE SYSTEM



SUSPENDEDLINEAR WOOD

INTERIOR PHOTO SENSOR

EXISTING 2'-0"x4'-0" LIGHT FIXTURE

0

2'-0"x2'-0" LIGHT FIXTURE

EXIT SIGN

OCCUPANCY SENSOR

00001 A

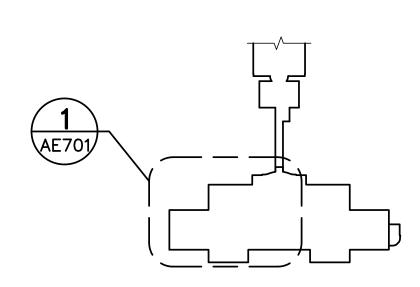
RETURN DIFFUSER

EXISTING SUPPLY DIFFUSER

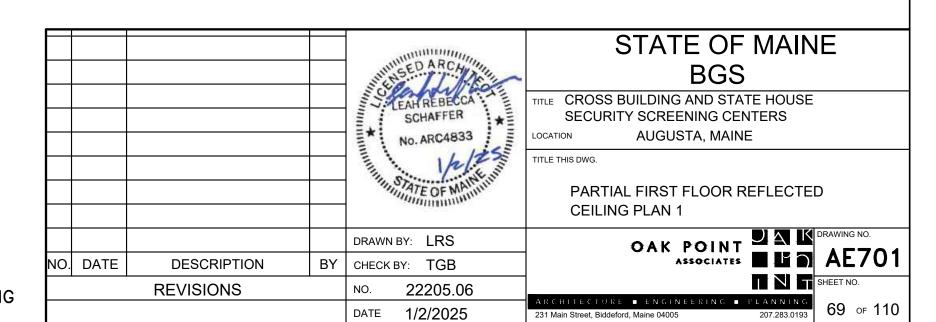
SUPPLY DIFFUSER

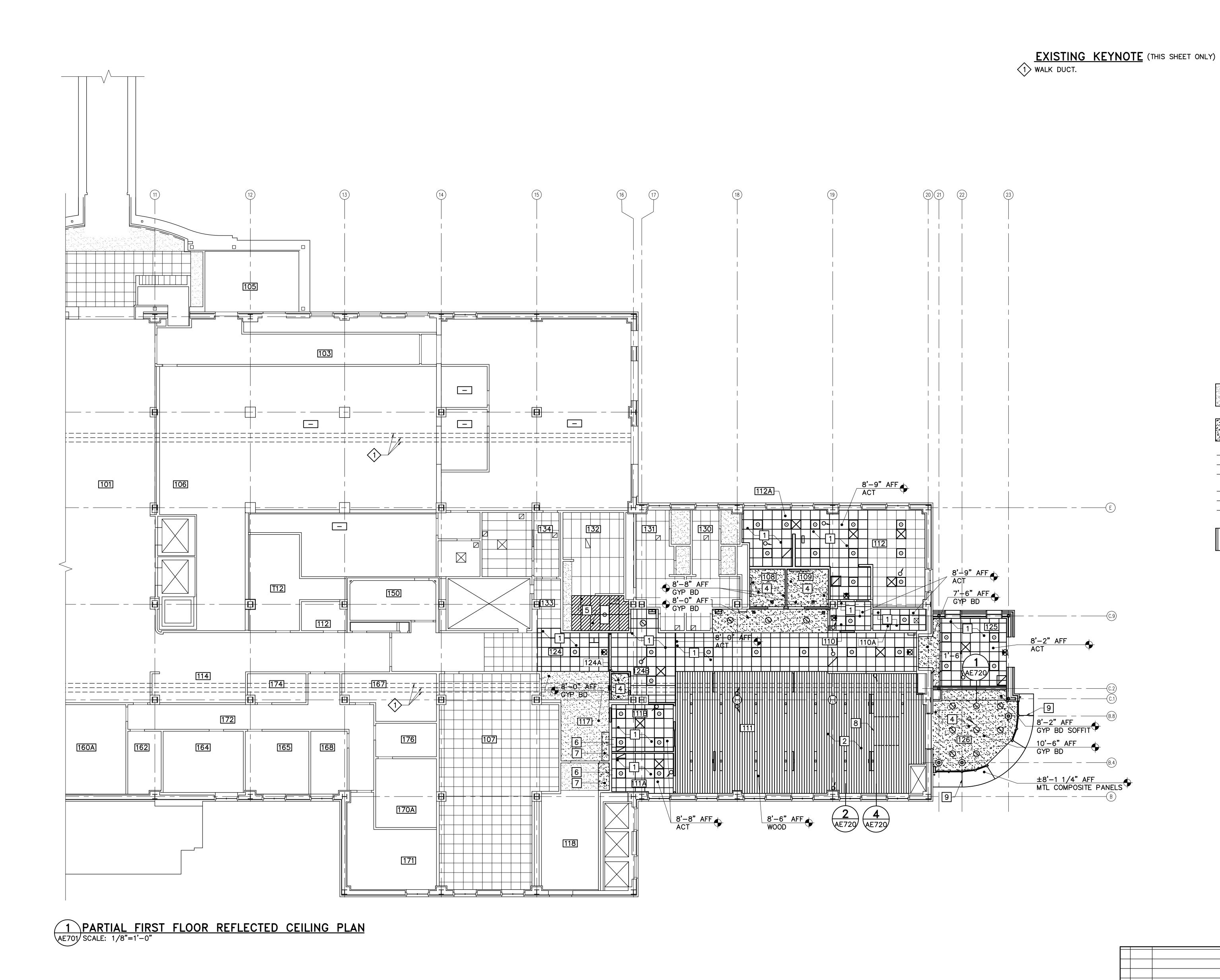
SUPPLY DIFFUSER

9'-0" CEILING AND/OR SOFFIT HEIGHT









- SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. COORDINATE WITH MECHANICAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL DRAWINGS.
- 3. COORDINATE PHASING WORK WITH PHASING PLAN SHOWN ON G-109.

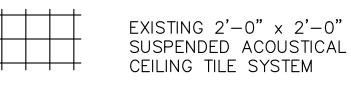
KEYNOTES (THIS SHEET ONLY)

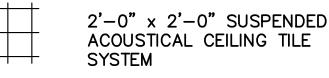
- 1 SUSPENDED 2'x2' ACOUSTICAL CEILING TILE AND GRID
- 2 SUSPENDED LINEAR WOOD CEILING. WITH 4"± BOARDS. PROVIDE BIO-ACOUSTIC INFILL PANELS OR SIMILAR. EXCEPT AT AREA NOTED. SEE 3/AE740 FOR TYPICAL SYSTEM DETAILS.
- 3 NOT USED
- 4 GYPSUM BOARD CEILING.
- 5 REINSTALL SUSPENDED 2'x4' ACOUSTICAL CEILING TILE.
- 6 PATCH AT METAL STUD AND GYPSUM PARTITION ABOVE CEILING WHERE DUCT WAS REMOVED AND FIRE DAMPER HAS BEEN PROVIDED. MATCH WIDTH OF EXISTING CONSTRUCTION AND MAINTAIN 2-HR FIRE RATED WALL CONSTRUCTION. ALL GYPSUM BOARD JOINTS TO BE TAPED AND MUDDED.
- 7 PROVIDE 2—HR FIRE RATED HORIZONTAL SHAFT WALL CONSTRUCTION AT STAIR CEILING.
- B DO NOT PROVIDE BIO-ACOUSTICAL INFILL PANELS ABOVE WOOD CEILING AT ACCESS TO VAV BOXES. APPROX 6'-0" BY 8'-0" AREA. COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
- 9 SEAMS AT METAL COMPOSITE PANEL SOFFIT TO ALIGN WITH STOREFRONT MULLIONS.

#### **CEILING LEGEND**

EXISTING GYPSUM BOARD CEILING

GYPSUM BOARD CEILING







2'-0"x4'-0" LIGHT FIXTURE

2'-0"x2'-0" LIGHT FIXTURE

INTERIOR PHOTO SENSOR EXIT SIGN

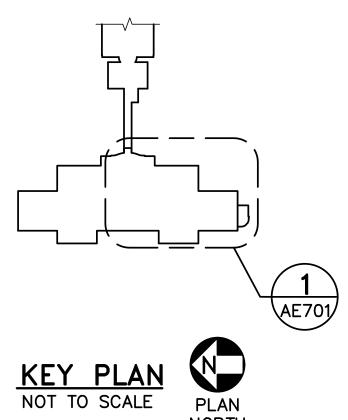
OCCUPANCY SENSOR

RETURN DIFFUSER EXISTING SUPPLY DIFFUSER

SUPPLY DIFFUSER

SUPPLY DIFFUSER

9'-0" CEILING AND/OR SOFFIT HEIGHT



SCHAFFER No. ARC4833

BY CHECK BY: JBL

NO. 22205.06

DATE 1/2/2025

DESCRIPTION

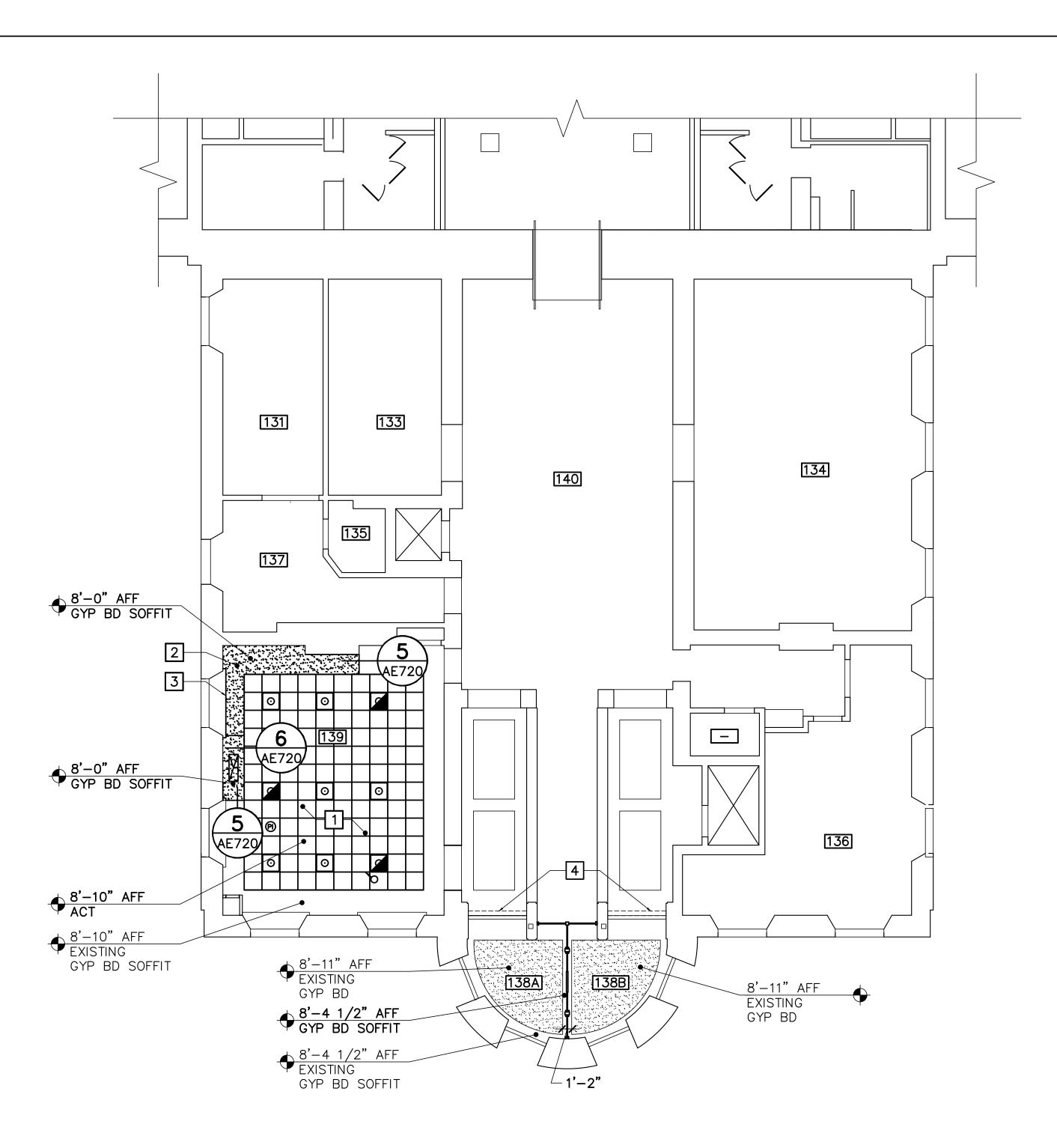
REVISIONS

STATE OF MAINE CROSS BUILDING AND STATE HOUSE SECURITY SCREENING CENTERS AUGUSTA, MAINE

PARTIAL FIRST FLOOR REFLECTED **CEILING PLAN 2** 

OAK POINT PAK DRAWING NO.
ASSOCIATES PED AE702 SHEET NO.

GRAPHIC SCALE



1 STATE HOUSE— PARTIAL FIRST FLOOR REFLECTED CEILING PLAN
AE703 SCALE: 1/8"=1'-0"

#### **GENERAL NOTES**

- SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. COORDINATE WITH MECHANICAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL DRAWINGS.
- 3. COORDINATE PHASING WORK WITH PHASING PLAN SHOWN ON G-109.
- 4. DUE TO THE AGE OF THE BUILKDING LEAD PAINT IS EXPEXTED TO NE PRESENT WITHIN THE WORK AREA, ESPECIALLY AT ORIGINAL PLASTER CEILING ABOVE SUSPENDED CEILING. CONTRACTOR IS TO TEST FOR LEAD PAINT TO START OF CONSTRUCTION. IF FOUND ALL PROCEDURES REQUIRED BY THE EPA AND OSHA ARE TO BE FOLLOWED.

#### KEYNOTES (THIS SHEET ONLY)

- 1 SUSPENDED 2'x2' ACOUSTICAL CEILING TILE AND GRID SYSTEM.
- 2 GYPSUM BOARD SOFFIT.
- SLOPED GYPSUM BOARD SOFFIT AT WINDOW. PROFILE AND SIZE TO MATCH ADJACENT WINDOWS.
- 4 CUT OUT AREA OF SOFFIT AND REFRAME TO ALLOW FOR DOOR CLOSER TO SIT ON FACE OF DOOR FRAME. PROVIDE NEW GYP SOFFIT AS REQUIRED.

#### CEILING LEGEND

GYPSUM BOARD CEILING



2'-0" x 2'-0" SUSPENDED ACOUSTICAL CEILING TILE SYSTEM

2'-0"x4'-0" LIGHT FIXTURE

2'-0"x2'-0" LIGHT FIXTURE

INTERIOR PHOTO SENSOR

EXIT SIGN

OCCUPANCY SENSOR

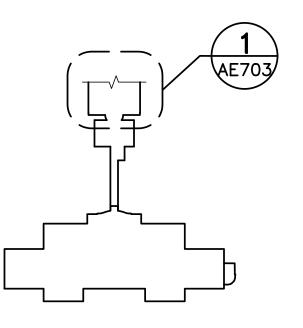
RETURN DIFFUSER

EXISTING SUPPLY DIFFUSER

SUPPLY DIFFUSER

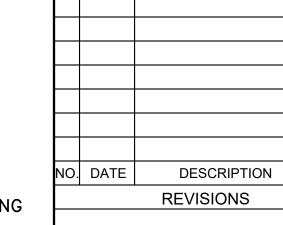
SUPPLY DIFFUSER

9'-0" CEILING AND/OR SOFFIT HEIGHT



KEY PLAN
NOT TO SCALE
PLAN





SCHAFFER No. ARC4833 BY CHECK BY: LRS

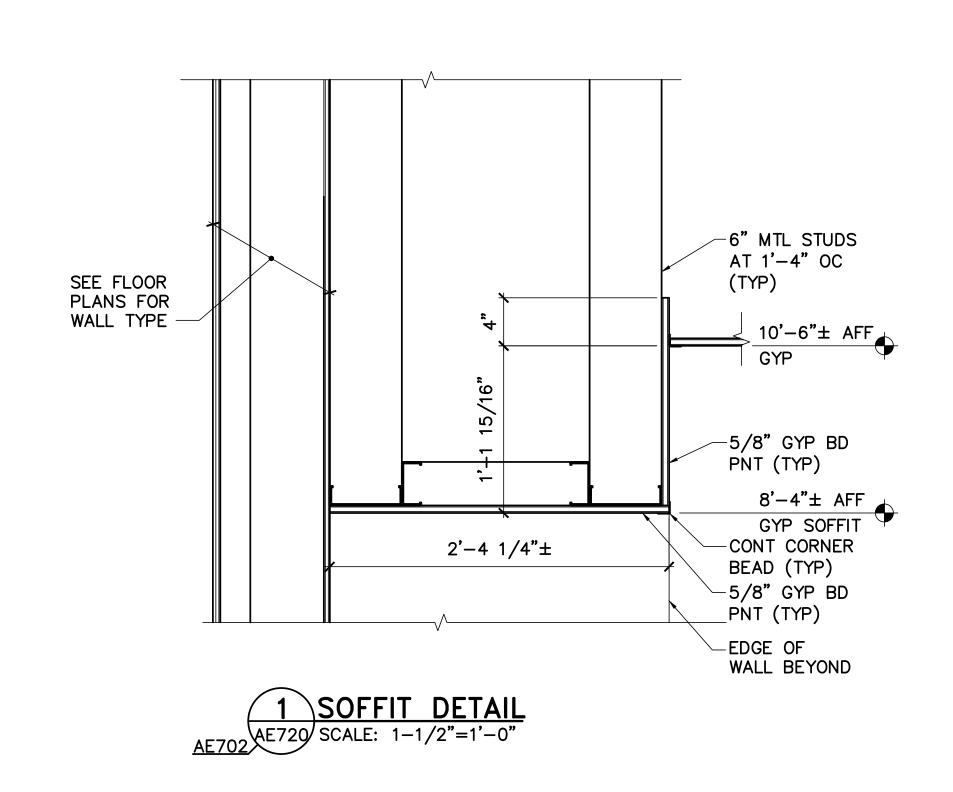
NO. 22205.06

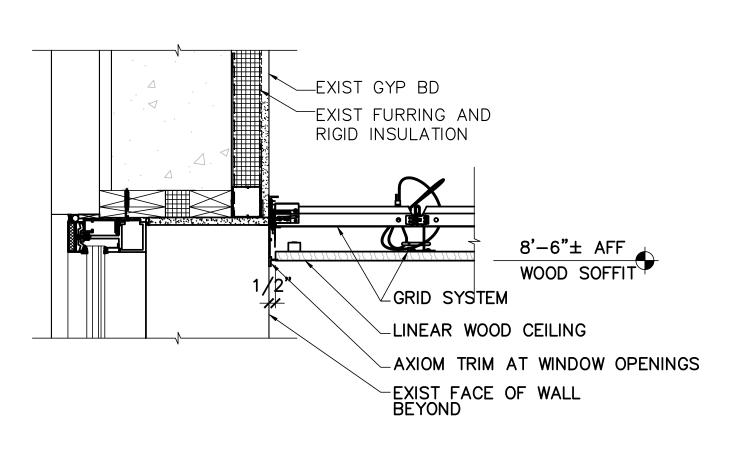
DATE 1/2/2025

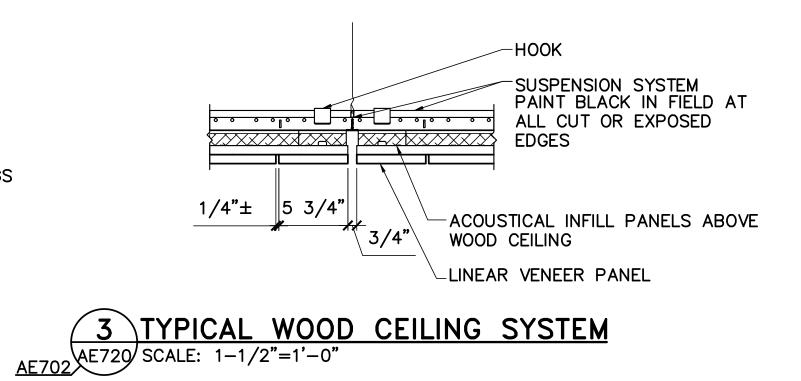
STATE OF MAINE TITLE CROSS BUILDING AND STATE HOUSE SECURITY SCREENING CENTERS LOCATION AUGUSTA, MAINE

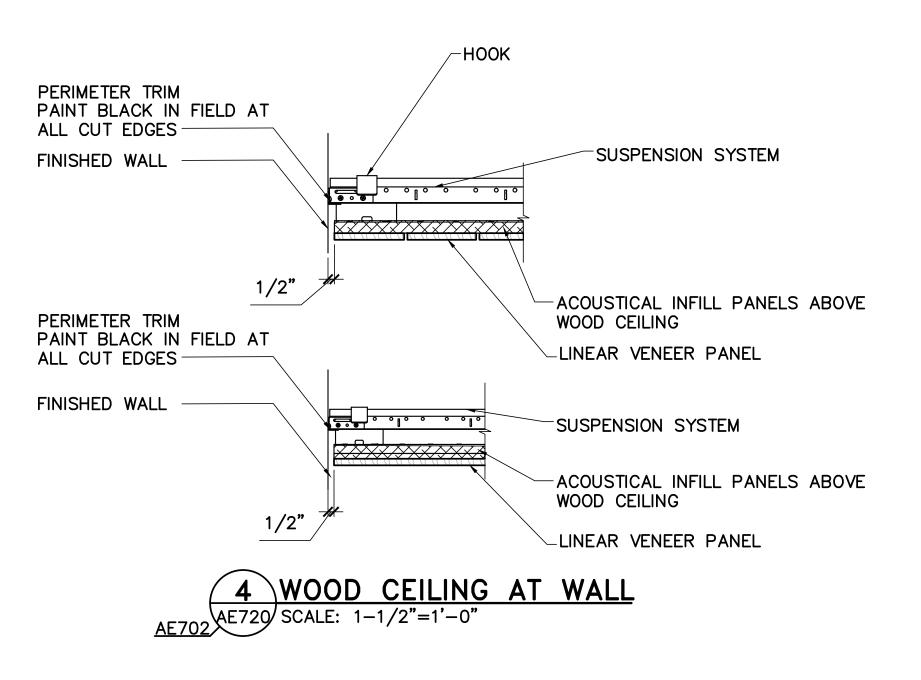
STATE HOUSE- PARTIAL FIRST FLOOR REFLECTED CEILING PLAN AND DETAILS OAK POINT DAM DRAWING NO.
ASSOCIATES DE DAM AE703
SHEET NO.

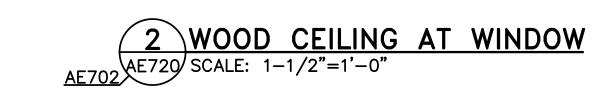
GRAPHIC SCALE CHECK GRAPHIC SCALE BEFORE USING

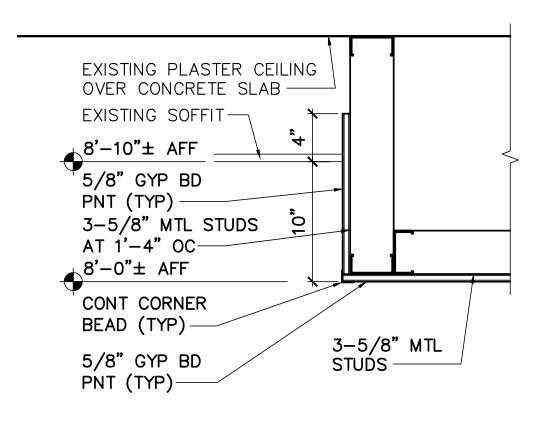




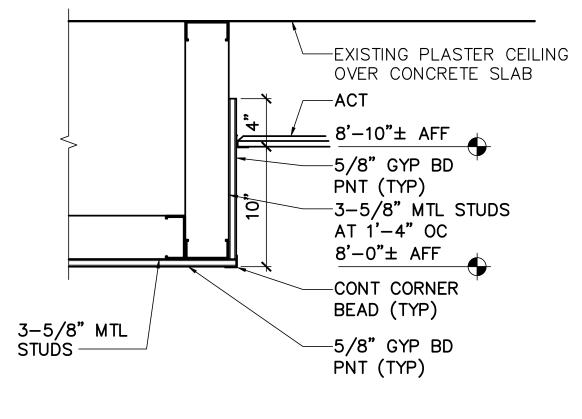






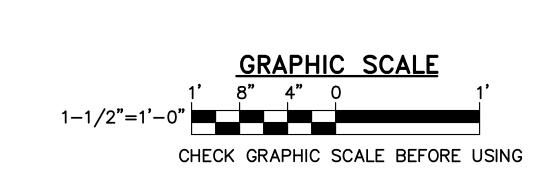


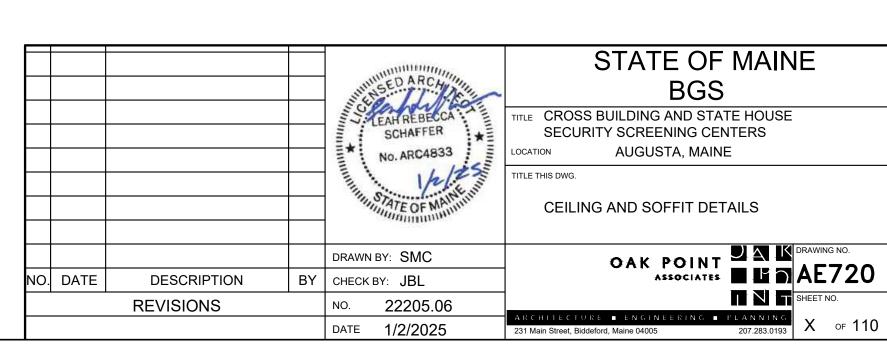
5 SOFFIT DETAIL AE720 SCALE: 1-1/2"=1'-0"

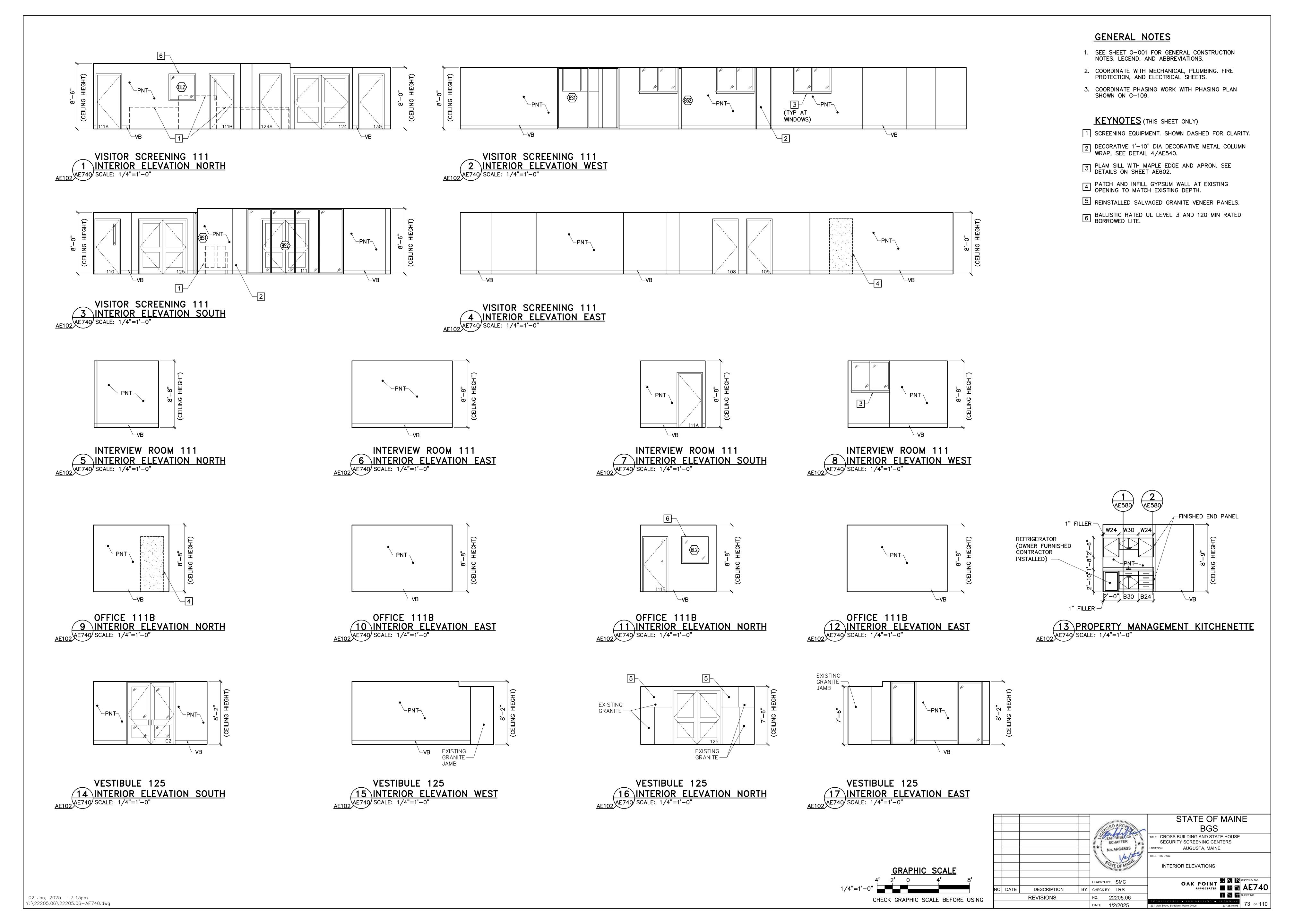


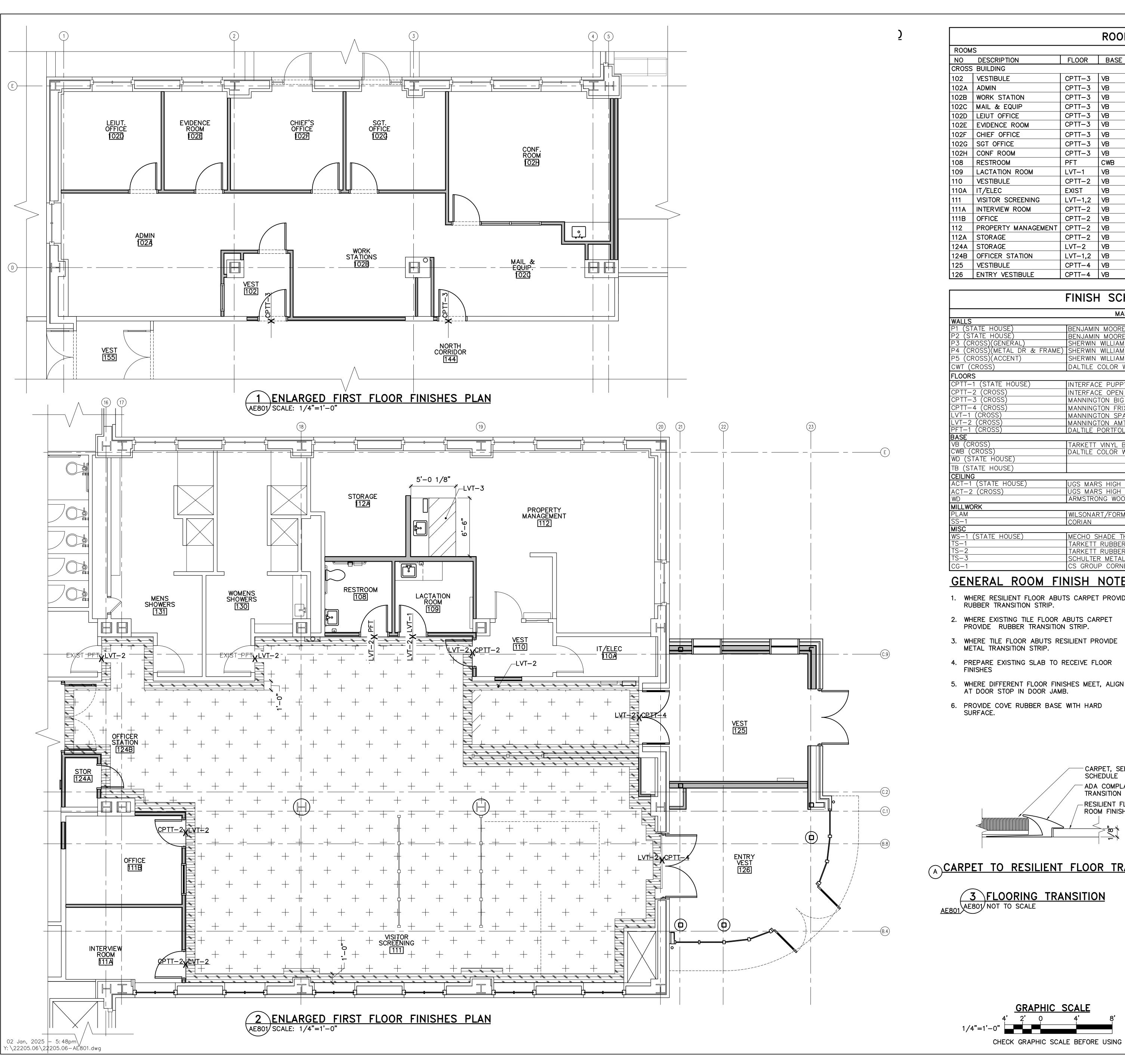
6 SOFFIT DETAIL
AE720 SCALE: 1-1/2"=1'-0"

- SEE SHEET G-001 FOR GENERAL CONSTRUCTION NOTES, LEGEND, AND ABBREVIATIONS.
- 2. COORDINATE WITH MECHANICAL, PLUMBING. FIRE PROTECTION, AND ELECTRICAL SHEETS.
- 3. COORDINATE PHASING WORK WITH PHASING PLAN SHOWN ON G-109.









			ROOM	FINISH	SCHEDU	LE				
ROOMS				WALLS				CEILING	<u> </u>	
NO	DESCRIPTION	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	MATERIAL	NOTES	
CROSS	BUILDING									
102	VESTIBULE	CPTT-3	VB	P3	P3	P3	P3	ACT-2		
102A	ADMIN	CPTT-3	VB	P3	P3	P3	P3	ACT-2		
102B	WORK STATION	CPTT-3	VB	P3	P3	P3	P3	ACT-2		
102C	MAIL & EQUIP	CPTT-3	VB	P3	P3	P3	P3	ACT-2		
102D	LEIUT OFFICE	CPTT-3	VB	P3	P3	P3	P3	ACT-2		
102E	EVIDENCE ROOM	CPTT-3	VB	P3	P3	P3	P3	ACT-2		
102F	CHIEF OFFICE	CPTT-3	VB	P3	P3	P3	P3	ACT-2		
102G	SGT OFFICE	CPTT-3	VB	P3	P3	P3	P3	ACT-2		
102H	CONF ROOM	CPTT-3	VB	P3	P5	P3	P3	ACT-2		
108	RESTROOM	PFT	CWB	CWT/P3	CWT/P3	CWT/P3	CWT/P3	GYP		
109	LACTATION ROOM	LVT-1	VB	P3	P3	P3	P3	GYP		
110	VESTIBULE	CPTT-2	VB	P3	P3	P3	P3	ACT-2		
110A	IT/ELEC	EXIST	VB	P3	P3	P3	P3	ACT-2		
111	VISITOR SCREENING	LVT-1,2	VB	P3	P3	P3	P3	WD		
111A	INTERVIEW ROOM	CPTT-2	VB	P3	P3	P3	P3	ACT-2		
111B	OFFICE	CPTT-2	VB	P3	P3	P3	P3	ACT-2		
112	PROPERTY MANAGEMENT	CPTT-2	VB	P3	P3	P3	P3	ACT-2		
112A	STORAGE	CPTT-2	VB	Р3	P3	P3	P3	ACT-2		
124A	STORAGE	LVT-2	VB	Р3	P3	P3	P3	ACT-2		
124B	OFFICER STATION	LVT-1,2	VB	Р3	P3	P3	P3	ACT-2		
125	VESTIBULE	CPTT-4	VB	Р3	P3	P3	P3	ACT-2		
126	ENTRY VESTIBULE	CPTT-4	VB	P3	P3	P3	P3	ACT-2		

	FINISH SCHEDULE/MANUFACTURER	GUIDE
	MANUFACTURER MODEL/TYPE	
WALLS	<del>,</del>	COLOR & FINISH
P1 (STATE HOUSE)	BENJAMIN MOORE EGGSHELL FINISH	KEY WEST IVORY BM192
P2 (STATE HOUSE)	BENJAMIN MOORE EGGSHELL FINISH	DIJON BM193
P3 (CROSS)(GENEŔAL)	SHERWIN WILLIAMS	ORIGAMI WHITE SW7636
P4 (CROSS)(METAL DR & FRAME)	SHERWIN WILLIAMS	GRAYS HARBOR SW6236
P5 (CROSS)(ACCENT)	SHERWIN WILLIAMS	MEDITATIVE SW627
CWT (CROSS)	DALTILE COLOR WHEEL CLASSIC 3X6	TO BE SELECTED
FLOORS		
CPTT-1 (STATE HOUSE)	INTERFACE PUPPY LOVE 20"x20"	TO BE SELECTED
CPTT-2 (CROSS)	INTERFACE OPEN AIR 404 20"X20"	TO BE SELECTED
CPTT-3 (CROSS)	MANNINGTON BIG DISSOLVE 12"X36"	TO BE SELECTED
CPTT-4 (CROSS)	MANNINGTON FRIXTION ENTRYWAY SYSTEM FORCE 18X36	TO BE SELECTED
LVT-1 (CROSS)	MANNINGTON SPACIA ABSTRACT 12X18	CONSTELLATION ASH
LVT-2 (CROSS)	MANNINGTON AMTICO WOOD 6X36	CIRRUS SHADOW
PFT-1 (CROSS)	DALTILE PORTFOLIO 12"X24"	TO BE SELECTED
BASE		
VB (CROSS)	TARKETT VINYL BASE 4"	CHARCOAL 20
CWB (CROSS)	DALTILE COLOR WHEEL CLASSIC 3X6	TO BE SELECTED
WD (STATE HOUSE)		
TB (STATE HOUSE)		
CEILING		
ACT-1 (STATE HOUSE)	UGS MARS HIGH NRC 24X24 FINELINE BEVEL	WHITE
ACT-2 (CROSS)	UGS MARS HIGH NRC 24X24 FINELINE BEVEL	WHITE
WD	ARMSTRONG WOODWORKS GRILLE	TO BE SELECTED
MILLWORK		
PLAM	WILSONART/FORMICA	TO BE SELECTED
SS-1	CORIAN	TO BE SELECTED
MISC		155,05
WS-1 (STATE HOUSE)	MECHO SHADE THERMO VEIL 1% OPENNESS	BEIGE 907
TS-1	TARKETT RUBBER TRANISITION	TO BE SELECTED
TS-2	TARKETT RUBBER TRANISITION	TO BE SELECTED
TS-3	SCHULTER METAL TRANISITION	TO BE SELECTED
CG-1	CS GROUP CORNER GUARD	CHARCOAL 162

#### GENERAL ROOM FINISH NOTES ROOM FINISH AND FINISH SCHEDULE LEGEND

- 1. WHERE RESILIENT FLOOR ABUTS CARPET PROVIDE RUBBER TRANSITION STRIP.
- 2. WHERE EXISTING TILE FLOOR ABUTS CARPET PROVIDE RUBBER TRANSITION STRIP.
- 3. WHERE TILE FLOOR ABUTS RESILIENT PROVIDE METAL TRANSITION STRIP.
- 4. PREPARE EXISTING SLAB TO RECEIVE FLOOR **FINISHES**
- AT DOOR STOP IN DOOR JAMB. 6. PROVIDE COVE RUBBER BASE WITH HARD SURFACE.
- <u>GENERAL:</u> EXIST = EXISTING
- FLOOR FINISHES: CPTT = CARPET TILE LVT = LUXURY VINYL TILE
  PFT = PORCELAIN FLOOR TILE
- WALL FINISHES:

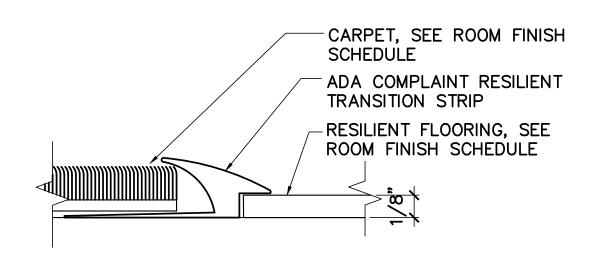
  AWP = ACOUSTIC WALL PANEL

  CWT = CERAMIC WALL TILE

  P,PNT = PAINT
- BASE FINISHES:

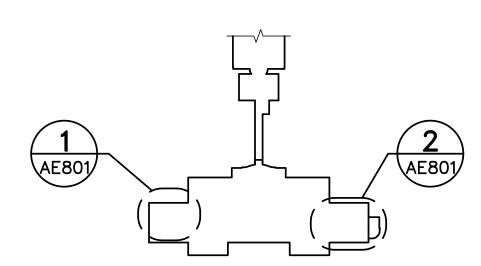
  CWB = CERAMIC WALL BASE

  TB = TILE BASE WITH WOOD TRIM VB = VINYL BASE WD = PTD WOOD BASE TO MATCH EXISTING BASE PROFILE
- MILLWORK: PLAM = PLASTIC LAMINATE SS = SOLID SURFACE
- MISCELLANEOUS: CG = CORNER GUARD TS = TRANSITION STRIPWS = WINDOW SHADE
- <u>CEILING FINISHES:</u> ACT = SUSPENDED ACOUSTICAL TILE WD = WD CEILING



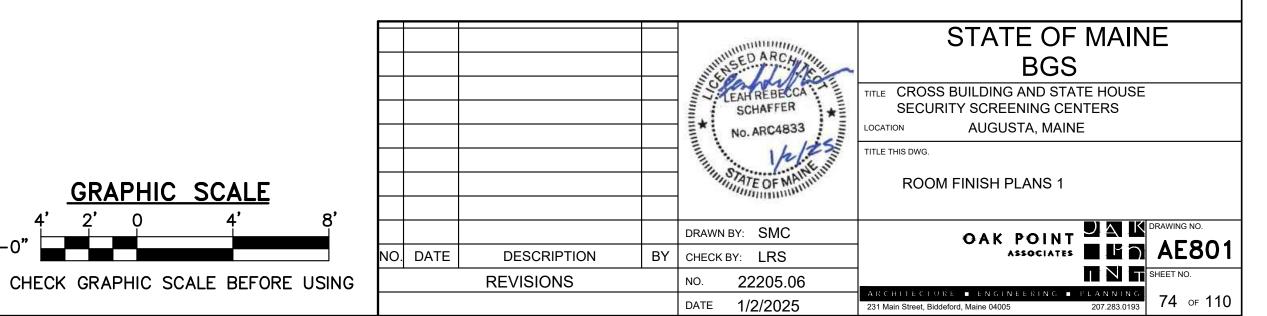
# (A) CARPET TO RESILIENT FLOOR TRANSITION

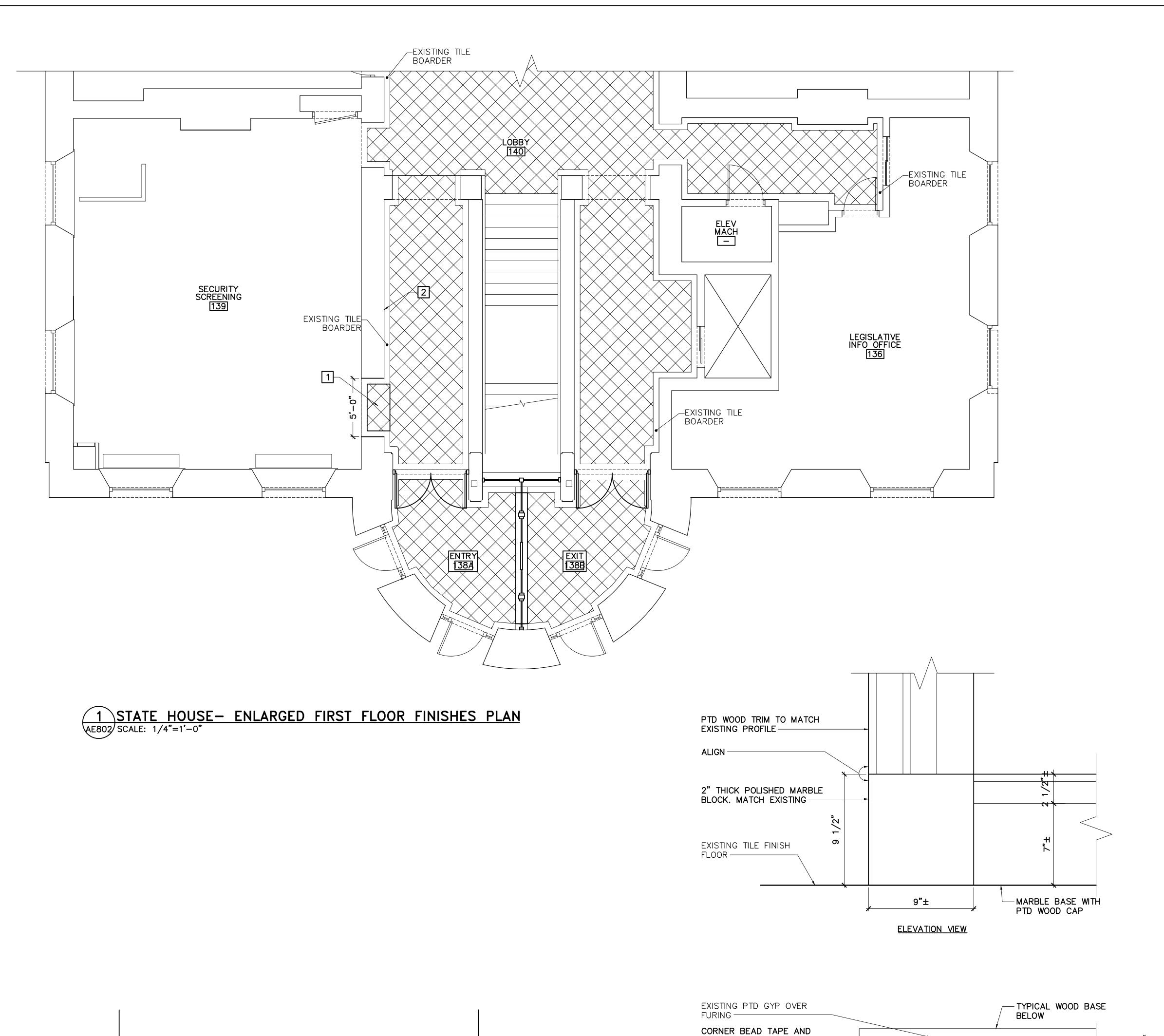












-FINISHED WALL

-FINISH FLOOR

TYPICAL WOOD BASE AT STATE HOUSE

AE802 SCALE: 3"=1'-0"

PTD WOOD MOLDING —
PROFILE TO MATCH EXISTING

-5/4" PTD WOOD TRIM

FINISHED WALL

-MARBLE BASE

-FINISH FLOOR

2 TYPICAL TILE BASE AT STATE HOUSE
AE802 SCALE: 3"=1'-0"

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- PTD WOOD MOLDING -

PROFILE TO MATCH EXISTING

5/8" TYPE "X" GYP BD -

EXISTING METAL FURRING —

TYPICAL WOOD BASE BELOW-

9"±

PLAN VIEW

4 WOOD CASING AT OPENING
AE802 SCALE: 3"=1'-0"

-MARBLE BASE WITH PTD WOOD CAP

TEAR AWAY STRIP TAPE AND MUD

PTD WOOD TRIM, JAMB, AND HEAD CASING TO MATCH EXISTING PROFILE —

EXISTING MASONRY

1x3 WOOD BLOCK -

WALL

			RO	OM FINISH	SCHEDU	LE			
ROOM	S			WALLS				CEILING	
NO	DESCRIPTION	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	MATERIAL	NOTES
STATE	HOUSE			_					
136	LEGISLATIVE INFO OFFICE	_	_	_	_	_	_	_	
138A	ENTRY	EXIST TILE	_	EXIST GRANITE	EXIST GRANITE	EXIST GRANITE	EXIST GRANITE	P1, P2	
138B	EXIT	EXIST TILE	-	EXIST GRANITE	EXIST GRANITE	EXIST GRANITE	EXIST GRANITE	P1, P2	
139	SECURITY SCREENING	CPTT-1	WD	P1	P1	P1	P1	ACT-2	
140	LOBBY	EXIST TILE	МВ	P2	_	_	PI	_	

	FINISH SCHEDULE/MANUFACTURER G	
	MANUFACTURER MODEL/TYPE	
WALLS		COLOR & FINISH
P1 (STATE HOUSE)	BENJAMIN MOORE EGGSHELL FINISH	KEY WEST IVORY BM192
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P5 (CROSS)(ACCENT)	SHERWIN WILLIAMS	MEDITATIVE SW627
CWT (CROSS)	DALTILE COLOR WHEEL CLASSIC 3X6	TO BE SELECTED
FLOORS		
CPTT-1 (STATE HOUSE)	INTERFACE PUPPY LOVE 20"x20"	TO BE SELECTED
CPTT-2 (CROSS)	INTERFACE OPEN AIR 404 20"X20"	TO BE SELECTED
CPTT-3 (CROSS)	MANNINGTON BIG RESOLVE 12"X36"	TO BE SELECTED
CPTT-4 (CROSS)	MANNINGTON FRIXTION ENTRYWAY SYSTEM FORCE 18X36	TO BE SELECTED
LVT-1 (CROSS)	MANNINGTON SPACIA ABSTRACT 12X18	CONSTELLATION ASH
LVT-2 (CROSS)	MANNINGTON AMTICO WOOD 6X36	CIRRUS SHADOW
PFT-1 (CROSS)	DALTILE PORTFOLIO 12"X24"	TO BE SELECTED
M-1	BLACK MARBLE	MATCH EXISTING
BASE		
VB (CROSS)	TARKETT VINYL BASE 4"	CHARCOAL 20
CWB (CROSS)	DALTILE COLOR WHEEL CLASSIC 3X6	
WD (STATE HOUSE)		TO BE SELECTED
TB (STATE HOUSE)		TO BE SELECTED
CEILING		
ACT-1 (STATE HOUSE)	MATCH EXISTING 24X24	WHITE
ACT-2 (CROSS)	UGS MARS HIGH NRC 24X24	WHITE
WD	ARMSTRONG WOODWORKS GRILLE	TO BE SELECTED
MILLWORK	·	·
PLAM	WILSONART/FORMICA	TO BE SELECTED
SS-1	CORIAN	TO BE SELECTED
MISC		
WS-1 (STATE HOUSE)	MECHO SHADE THERMO VEIL 1% OPENNESS	BEIGE 907
TS-1	TARKETT RUBBER TRANISITION	TO BE SELECTED
TS-2	TARKETT RUBBER TRANISITION	TO BE SELECTED
TS-3	SCHULTER METAL TRANISITION	TO BE SELECTED
CG-1	CS GROUP CORNER GUARD	CHARCOAL 162

# GENERAL ROOM FINISH NOTES ROOM FINISH AND FINISH SCHEDULE LEGEND

WHERE RESILIENT FLOOR ABUTS CARPET PROVIDE RUBBER TRANSITION STRIP.

2. WHERE EXISTING TILE FLOOR ABUTS CARPET PROVIDE RUBBER TRANSITION STRIP.

3. WHERE TILE FLOOR ABUTS RESILIENT PROVIDE METAL TRANSITION STRIP.

4. PREPARE EXISTING SLAB TO RECEIVE FLOOR

5. WHERE DIFFERENT FLOOR FINISHES MEET, ALIGN

6. PROVIDE COVE RUBBER BASE WITH HARD SURFACE.

<u>GENERAL:</u> EXIST = EXISTING

<u>FLOOR FINISHES:</u> CPTT = CARPET TILE LVT = LUXURY VINYL TILEPFT = PORCELAIN FLOOR TILE M = MARBLE TILE

<u>WALL FINISHES:</u> AWP = ACOUSTIC WALL PANEL CWT = CERAMIC WALL TILE P,PNT = PAINT

BASE FINISHES:

CWB = CERAMIC WALL BASE

MB = MARBLE BASE

TB = TILE BASE WITH WOOD TRIM VB = VINYL BASE WD = PTD WOOD BASE TO MATCH EXISTING PROFILE

MILLWORK: PLAM = PLASTIC LAMINATE SS = SOLID SURFACE

MISCELLANEOUS: CG = CORNER GUARD TS = TRANSITION STRIPWS = WINDOW SHADE

<u>CEILING FINISHES:</u> ACT = SUSPENDED ACOUSTICAL TILE WD = WD CEILING

# FINISH FLOOR LEGEND

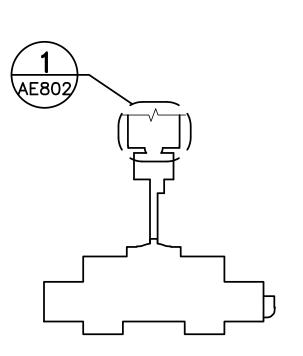
AT DOOR STOP IN DOOR JAMB.

EXISTING TILE NEW TILE

KEYNOTES (THIS SHEET ONLY)

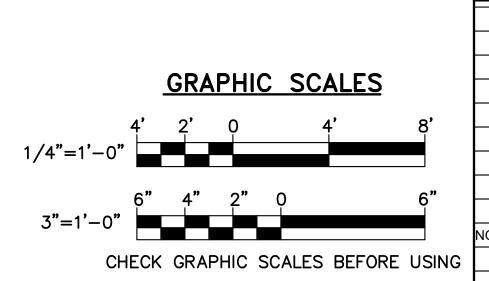
1 PROVIDE TILE FLOORING AND MARBLE BOARDER TO MATCH EXISTING.

2 PAINT AT EXISTING WALL.







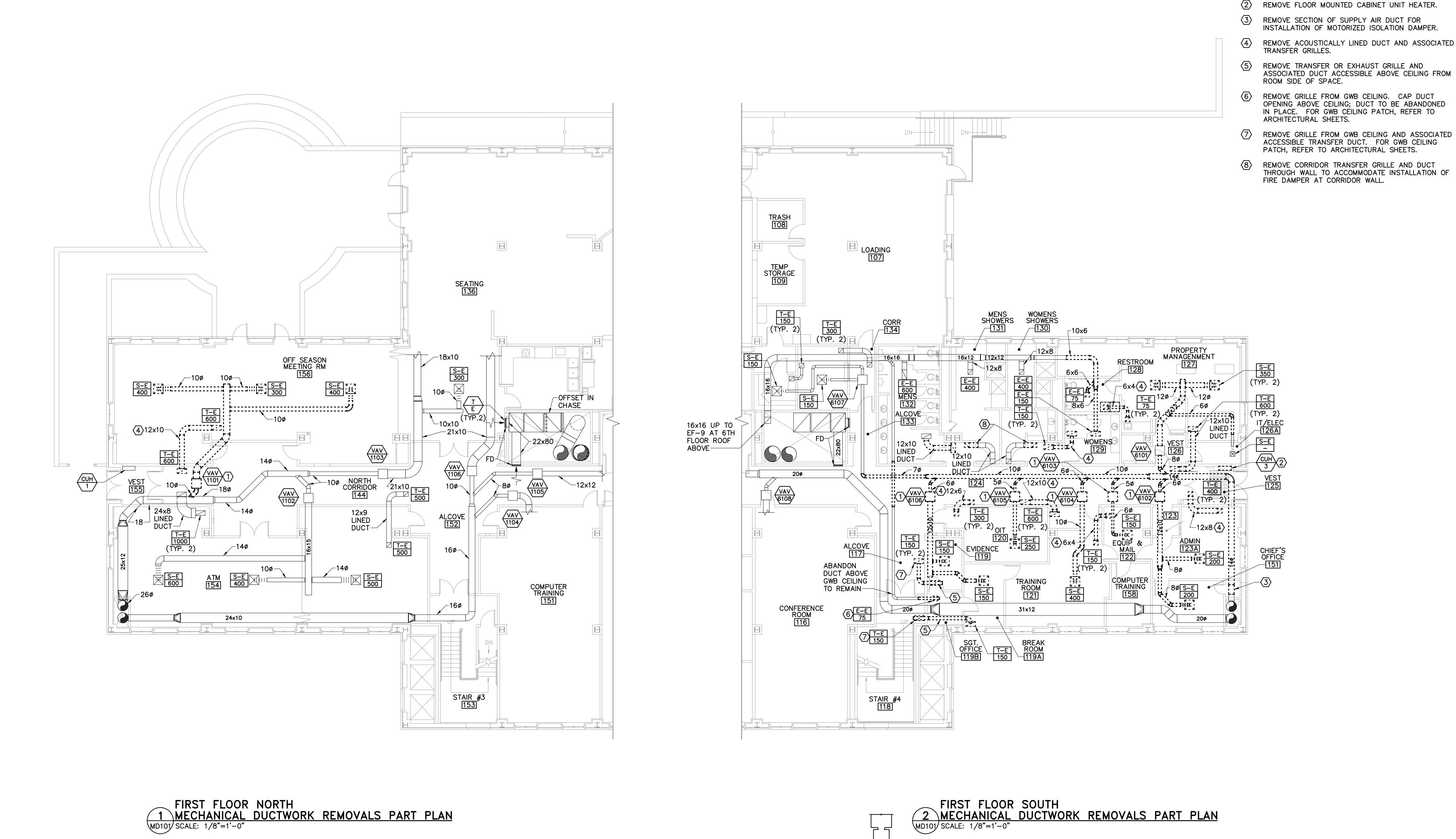




#### MECHANICAL ABBREVIATIONS **PLUMBING ABBREVIATIONS** AMPERE, AIR ES END SWITCH NOISE CRITERIA. NORMALLY CLOSED GALLONS PER HOUR PRV PRESSURE REDUCING VALVE AIR CONDITIONING, AIR CONDITIONER AMP ESP NO GALLONS PER MINUTE EXTERNAL STATIC PRESSURE NUMBER. NORMALLY OPEN GPM PSI POUNDS PER SQUARE INCH AD ACCESS DOOR ACCESS DOOR NTS GATE VALVE IN VERTICAL EWB ENTERING WET BULB TEMPERATURE NOT TO SCALE GVIV **PSIG** POUNDS PER SQUARE INCH GAGE ADA AMERICANS WITH DISABILITIES ACT ADA AMERICANS WITH DISABILITIES ACT EWT NFPA GYPSUM WALL BOARD ENTERING WATER TEMPERATURE NATIONAL FIRE PROTECTION ASSOCIATION GWB **PVC** POLY VINYL CHLORIDE AFF AIRFLOW SENSOR **EXIST** OA ABOVE FINISHED FLOOR HB **EXISTING** OUTSIDE AIR HOSE BIBB RADIUS, RADON AFF ABOVE FINISHED FLOOR AMB **AMBIENT HDPE** EXT **EXPANSION TANK** OAT OUTSIDE AIR TEMPERATURE HEAT DENSITY POLYETHYLENE RD ROOF DRAIN **APPROX APPROXIMATELY** AHU AIR HANDLING UNIT OBD DEGREES FAHRENHEIT OPPOSED BLADE DAMPER HGT HEIGHT RECIRC RECIRCULATION ANALOG INPUT FLEX CONNECTOR, FAN COIL ASS'Y ASSEMBLY **HORIZ** ON CENTER, OCCUPANCY SENSOR HORIZONTAL REQ'D REQUIRED ALARM FCO OD FLOOR CLEANOUT OUTSIDE DIAMETER BFP BACKFLOW PREVENTER HP **HORSEPOWER** RAIN LEADER ROOM (1) AMB **AMBIENT** FCU OS&Y OUTSIDE STEM AND YOKE BRAKE HORSEPOWER FAN COIL UNIT HOUR, HOSE REEL RM AMS AIRFLOW MEASURING STATION FLOOR DRAIN, FIRE DAMPER HEIGHT PUMP. PITCH OR PRESSURE BUILDING RECIRCULATION PUMP RP ΑO ANALOG OUTPUT FINISH FLOOR PUSH BUTTON BTU BRITISH THERMAL UNIT HW HOT WATER REVOLUTIONS PER MINUTE **RPM** APD AIR PRESSURE DROP HOT WATER RETURN FIX FIXTURE PUMPED CONDENSATE BVIV BALL VALVE IN VERTICAL HWR **RPZ** REDUCED PRESSURE ZONE APPRO: APPROXIMATELY PD PRESSURE DIFFERENCE CAP FLA FULL LOAD AMPS CAPACITY HWS HOT WATER SUPPL' SINK. SANITARY ΑV ANALOG VARIABLE CD CONDENSATE DRAIN HERTZ **FLOOR** PHASE SANITARY SAN BAS BUILDING AUTOMATION SYSTEM POS FPM FEET PER MINUTE POSITIVE INSIDE DIAMETER CFM CUBIC FEET/MINUTE SCH **SCHEDULE** BDD BACKDRAFT DAMPER FINTUBE RADIATION **PRESS INCHES PRESSURE** CLG CEILING SQUARE FOOT BHP BRAKE HORSEPOWER PRESSURE REDUCING VALVE FLOW SWITCH PRV INV **INVERT CENTERLINE** SH SHOWER BINARY INPUT FSD FIRE AND SMOKE DAMPER PS PRESSURE SWITCH INTERNATIONAL PLUMBING CODE CO CLEANOUT SIM SP SIMILAR BUILDING PSI POUNDS PER SQUARE INCH INDIRECT WASTE FOOT/FEET CONN CONNECTION STATIC PRESSURE, SUMP PUMP **PSIG** BINARY OUTPUT POUNDS PER SQUARE INCH GAGE IOB ICE MAKER OUTLET BOX GAUGE COND CONDENSATI SQ SQUARE BTU BRITISH THERMAL UNIT PVC ΚW KILOWATT, KITCHEN WASTE POLY VINYL CHLORIDE GALLONS CW COLD WATER SS STAINLESS STEEL BTUH BTU PER HOUR GALV QUANTITY **LAVATORY GALVANIZED** DEPTH STORM DRAIN BINARY VARIABLE LAV RADIUS, RETURN **LAVATORY** GPH **DECIBELS** GALLONS PER HOUR SSV SANITARY SEWER VENT CAP CAPACITY RETURN AIR LBS POUNDS GPM **GALLONS PER MINUTE** DDC DIRECT DIGITAL CONTROL TEMPERATURE DIFFERENTIA CAV CONSTANT AIR VOLUME RAT RETURN AIR TEMPERATURE LF LINEAR FEET GUI DHWH DOMESTIC HW HEATER GRAPHICAL USER INTERFACE THERMOSTAT. TRAP. TEMPERATURE COOLING COIL LOC GYPSUM WALLBOARD REQUIRED DIA,Ø DIAMETER LOCATION/LOCATED TO BE DETERMINED CD CONDENSATE DRAIN DIFF RELATIVE HUMIDITY. RANGE HOOD **DIFFERENTIAL** LEAVING WATER TEMPERATURE HUMIDIFIER, HUMIDISTAT, HEIGHT TFMP **TEMPERATURE** CENT CENTRIFUGAL H20 WATER DN MAX REFRIGERANT LIQUID DOWN MAXIMUM **TMV** TEMPERATURE MIXING VALVE CFM CUBIC FEET/MINUTE **RLA** RUNNING LOAD AMPERES MAXIMUM PRESSURE DROP HEATING COIL DROP MAX PD TP TRAP PRIMER CHW CHILLED WATER HIGH LIMIT RM ROOM DRAWING MBH 1000 BTU PER HOUR TPA TRAP PRIMER ASSEMBLY CHWR CHILLED WATER RETURN **RPM** HEIGHT, HIGH REVOLUTIONS PER MINUTE **EXISTING** MBU 1000 BTU TW TEMPERED WATER (85°F) CHWS CHILLED WATER SUPPLY HOA RS EACH MECH HAND-OFF-AUTOMATIC REFRIGERANT SUCTION **MECHANICAL** TYP **TYPICAL** CENTERLINE HORIZ **HORIZONTAL EFFICIENCY** MFG.MFR MANUFACTURER SUPPLY URINAL CLG CEILING **HORSEPOWER** SA SUPPLY AIR, SOUND ATTENUATOR ELEVATION MINIMUM UNDER GROUND UG CO CLEANOUT, CARBON MONOXIDE SAT HOUR **ELEC** ELECTRIC MR SUPPLY AIR TEMPERATURE, SUSPENDED MOP RECEPTOR UNDERWRITERS LABORATORY CO2 CARBON DIOXIDE MTG HEIGHT ACOUSTICAL TILE **ELEV** ELEVATION, ELEVATOR MOUNTING CONN CONNECTION HOT WATER **EQUIP** SENSIBLE COOLING **EQUIPMENT** N/A NOT APPLICABLE VAC VOLTS ALTERNATING CURRENT COP COEFFICIENT OF PERFORMANCE HWR HOT WATER RETURN **SEER EWC** ELECTRIC WATER COOLER SEASONAL ENERGY EFFICIENCY RATIO NOT IN CONTRACT **VERT** VERTICAL CS CURRENT SENSOR HOT WATER SUPPLY SQUARE FOOT, SUPPLY FAN **EWH** ELECTRIC WATER HEATER VIF NOISE CRITERIA, NORMALLY CLOSED VERIFY IN FIELD CU CONDENSING UNIT HERTZ SIM SIMILAR **EWT** ENTERING WATER TEMPERATURE NATIONAL FIRE PROTECTION ASSOCIATION VIV VALVE IN VERTICAL CUH CABINET UNIT HEATER **EXIST** INSIDE DIAMETER SMACNA SHEET METAL AND AIR CONDITIONING **EXISTING** NFWH VTR VENT TO ROOF NON-FREEZE WALL HYDRANT CW COLD WATER EXT **EXPANSION TANK INCHES** CONTRACTORS' NATIONAL ASSOCIATION NO NUMBER, NORMALLY OPEN WASTE DEPTH, DAMPER KW **KILOWATT** SP **DEGREES FAHRENHEIT** STATIC PRESSURE NPT NATIONAL PIPE THREAD W&T WASTE AND TRAP DB DRY BULB LOUVER. LENGTH FLOOR CLEANOUT SQ SQUARE NOT TO SCALE WITH DB DECIBELS LEAVING AIR TEMPERATURE FLOOR DRAIN SS STAINLESS STEEL OUTSIDE DIAMETER, OVER FLOW DRAIN WET BULB DDC DIRECT DIGITAL CONTROLS LBS POUNDS FINISH FLOOR START/STOP PUMP, PITCH WC WATER COLUMN, WATER CLOSET DEG DEGREES LDB LEAVING DRY BULB FIX FIXTURE PC PUMPED CONDENSATE THERMOSTAT, TRANSFER WCO WALL CLEANOUT Ø.DIA DIAMETER **FLR FLOOR** LINEAR FEET TRANSFER AIR PRESSURE DIFFERENCE WATER GAUGE DIFFERENTIAL DIFF LOCATION/LOCATED FOOT/FEET TOTAL COOLING, TIME CLOCK PLUMBING DRAINAGE INSTITUTE WH WALL HYDRANT. WATER HEATER DN LOCKED ROTOR AMPS **TEMP** GAUGE CROSS-LINKED POLYETHYLENE TEMPERATURE PEX WHA WATER HAMMER ARRESTOR DP DIFFERENTIAL PRESSURE (SWITCH) GAL GALLONS LOW TEMPERATURE PHASE **WTR** TREND LOG WATER DPDT DOUBLE POLE, DOUBLE THROW GALV **PRESS** LWB LEAVING WET BULB GALVANIZED **PRESSURE** TEMPERATURE SENSOR, THERMAL SWITCH DPS DIFFERENTIAL PRESSURE SENSOR LEAVING WATER TEMPERATURE TOTAL STATIC PRESSURE TSP DWG DRAWING MOTOR, METER TYP TYPICAL **DIRECT EXPANSION** MAXIMUM UNIT HEATER EXISTING, EXHAUST MAXIMUM PRESSURE DROP PLUMBING SYMBOLS LEGEND UNDERWRITERS LABORATORIES EXHAUST AIR, EACH 1000 BTU PER HOUR VENT, VALVE, VOLTS ENTERING AIR TEMPERATURE 1000 BTU VARIABLE AIR VOLUME PIPING & VALVES ECM ELECTRONICALLY COMMUTATED MOTOR **ANNOTATION** EQUIPMENT & SPECIALTIES MINIMUM CIRCUIT AMPERES VELOCITY EDB ENTERING DRY BULB TEMPERATURE **MECHANICAL** VARIABLE FREQUENCY DRIVE —SYMBOL PER ABBREVIATION LIST INSERTION TEMPERATURE ENERGY EFFICIENCY RATIO MINIMUM EFFICIENCY REPORTING VALUE WIDTH, WIDE SENSOR (AQUASTAT) EXHAUST FAN MFR MANUFACTURER EFF **EFFICIENCY** ELBOW DOWN MINIMUM -EQUIPMENT SEQUENCE NUMBER WET BULB PRESSURE SENSOR ELECTRIC MOUNTING WATER COLUMN ELEV - ELBOW UP OR UP AND DOWN ELEVATION, ELEVATOR 1)1 KEYNOTE NOT APPLICABLE WATER PRESSURE DROP FLOW SWITCH **EQUIP EQUIPMENT** NOT IN CONTRACT → PIPE TEE DOWN CONNECT TO EXISTING SPACE TEMPERATURE SENSOR — [ PIPE TRANSITION MECHANICAL SYMBOLS LEGEND GPM SETTING FOR BALANCING VALVE PRESSURE SWITCH <del>──' STRAINER</del> POINT OF ELEVATION FLOOR DRAIN **DUCTWORK ANNOTATION** CONTROLS AND METERING **THERMOMETER** SYMBOL PER ABBREVIATION LIST RETURN GRILLE/REGISTER WALL MOUNTED THERMOSTAT WITH INTEGRAL CONTACTORS. WATER HAMMER ARRESTOR USER-ADJUSTABLE SUPPLY DIFFUSER/REGISTER/GRILLE **FIXTURES** -EQUIPMENT SEQUENCE NUMBER WCO - WALL CLEANOUT REDUCED PRESSURE ZONE BACKFLOW PREVENTOR WALL MOUNTED TEMPERATURE SENSOR EXHAUST GRILLE/REGISTER FLOOR MOUNTED WATER CLOSET AIR INLET OR OUTLET WITH CFM (REFER TO CONTROL DIAGRAMS FOR FCO - FLOOR CLEANOUT WITH TANK VARYING SPECIFIC REQUIREMENTS) TRANSFER GRILLE FR-1-FINTUBE DESIGNATION \_\_\_ AIR VENT, AUTOMATIC PRESSURE GAUGE AND COCK FLOOR MOUNTED WATER CLOSET WALL MOUNTED TEMPERATURE SENSOR WITH FLUSH VALVE WITH BLANK FACE PLATE → Supply Diffuser/Register/Grille \_\_\_\_\_\_ AIR VENT, MANUAL — CHECK VALVE, SWING GPM SETTING FOR BALANCING VALVE WALL HUNG WATER CLOSET WALL MOUNTED THERMOSTAT/ → HOSE BIBB OR HYDRANT ———— CALIBRATED BALANCING VALVE WITH POSITIVE SHUTOFF TEMPERATURE SENSOR BY WITH FLUSH VALVE SIDEWALL REGISTER/GRILLE EQUIPMENT MANUFACTURER 1 1 KEY NOTE WALL HUNG URINAL WITH FLUSH VALVE AVERAGING DUCT MOUNTED — F AUTOMATIC FLOW CONTROL VALVE WITH POSITIVE SHUTOFF TEMPERATURE SENSOR DIRECTION OF AIR FLOW COUNTERTOP LAVATORY DUCT CO ← CLEANOUT \_PROBE TYPE DUCT MOUNTED TEMPERATURE SENSOR CONNECT TO EXISTING WALL HUNG LAVATORY FLEXIBLE CONNECTION → DIRECTION OF FLOW ∞— P−TRAP RECTANGULAR TO ROUND FITTING FLUID TEMPERATURE SENSOR IN WELL SHOWER STALL PIPING & VALVES P—— PIPE PITCH DOWN MANUAL BALANCING DAMPER IN DUCT FLUID TPRESSURE SENSOR IN WELL MOP RECEPTOR ⊏ CAP PRESSURE SWITCH ELBOW DOWN RETURN DUCT UP ——— → OS&Y GATE VALVE SHOWER HEAD AND MIXING VALVE DIFFERENTIAL PRESSURE SENSOR --- ELBOW UP OR UP AND DOWN EXHAUST DUCT UP FLOOR MOUNTED ELECTRIC PIPE TEE DOWN AIR FLOW SENSOR SUPPLY DUCT UP WATER COOLER <del>──' STRAINER</del> DUAL HEIGHT ELECTRIC OCCUPANCY SENSOR SQUARE ELBOW WATER COOLER, WALL MOUNTED WITH TURNING VANES CARBON DIOXIDE SENSOR FLEXIBLE DUCT ———— BUTTERFLY VALVE WALL MOUNTED, RELATIVE HUMIDITY SENSOR LINED DUCTWORK MECHANICAL LINE TYPE LEGEND PLUMBING LINE TYPE LEGEND —-—FD FIRE DAMPER END SWITCH PRESSURE GAUGE AND COCK ----- REMOVE ITEMS ----- REMOVE ITEMS ———SD SMOKE DAMPER MOTORIZED DAMPER ACTUATOR ——II— UNION ----- EXIST ITEMS TO REMAIN EXIST ITEMS TO REMAIN ———FSD COMBINATION FIRE/SMOKE DAMPER PROVIDE ITEMS ——── CHECK VALVE, SWING **EQUIPMENT** Soll PIPE RL—RL—REFRIGERANT LIQUID \_\_\_REDUCED PRESSURE ZONE FINTUBE RADIATION AND ENCLOSURE RS—REFRIGERANT SUCTION -----IW----- INDIRECT WASTE PIPE MN MOTORIZED DAMPER, OPPOSED BLADE **BACKFLOW PREVENTER** WASTE PIPE ------CD------- CONDENSATE DRAIN DUCT MOUNTED SMOKE DETECTOR ——— SAN——— SANITARY SEWER ABOVE FLOOR -----CHWS----- CHILLED WATER SUPPLY ———— CALIBRATED BALANCING VALVE WITH POSITIVE SHUTOFF TERMINAL UNIT, VARIABLE VOLUME — SAN — SANITARY SEWER BELOW FLOOR OR GRADE — — — KW — — — KITCHEN WASTE BELOW FLOOR OR GRADE PC—PC—PUMPED CONDENSATE HOT WATER HEATING COIL STATE OF MAINE ⊏ CAP -----HWS----- HOT WATER SUPPLY PD PUMP DISCHARGE LINE CENTRIFUGAL FAN — CONCENTRIC PIPE REDUCER/INCREASER -----HWR------ HOT WATER RETURN TLE CROSS BUILDING AND STATE HOUSE CHILLED WATER COOLING COIL ---- VENT \_\_\_\_\_ THERMOMETER IN WELL SECURITY SCREENING CENTERS TP—TP—TRAP PRIMER LINE AUGUSTA, MAINE No. 11473 FIRE DEPARTMENT EN CORNED \_ AIR VENT, AUTOMATIC —————— DOMESTIC COLD WATER DIRECT EXPANSION COOLING COIL ——————— DOMESTIC HOT WATER (110°F) — · — · — · CONTROL WIRING MECHANICAL AND PLUMBING SYMBOLS. SONAL \_\_\_\_\_↑ MANUAL FLOAT VENT LEGENDS, AND ABBREVIATIONS ---- DOMESTIC HOT WATER RETURN OAK POINT DAM MP001 \_\_\_\_Ū\_\_\_ VACUUM BREAKER — · · — TW— · · · — TEMPERED WATER (85°F) IO. DATE DESCRIPTION BY CHECK BY: DMA FLEXIBLE CONNECTOR SHEET NO. REVISIONS NO. **22205.06** RE - ENGINEERING - PLANNING leford, Maine 04005 207.283.0193

DATE 1/2/2025

Y: \22205.06\22205.06-MP001.dwg



1. REMOVE DUCTWORK, DIFFUSERS, REGISTERS, GRILLES,

KEYNOTES (THIS SHEET ONLY)

REMOVE VAV BOX WITH REHEAT COIL, AND

AND EQUIPMENT AS INDICATED ON PLANS. DUCTWORK AND EQUIPMENT REMOVALS MUST INCLUDE DAMPERS, FLEXIBLE DUCTS, DUCT AND EQUIPMENT MOUNTED CONTROLS, INSULATION, HANGERS, AND SUPPORTS

ASSOCIATED DUCTWORK, DIFFUSERS, AND SUPPORTS.

STATE OF MAINE

BGS

CROSS BUILDING AND STATE HOUSE SECURITY SCREENING CENTERS

AUGUSTA, MAINE

FIRST FLOOR MECHANICAL DUCTWORK REMOVALS PART PLANS

OAK POINT DAK DRAWING NO.

ASSOCIATES DED MD101

SHEET NO.

CHRISTINE LYLE No. 11473 CENSO

DRAWN BY: DHR

NO. 22205.06

DATE 1/2/2025

BY CHECK BY: DMA

GRAPHIC SCALE

CHECK GRAPHIC SCALE BEFORE USING

D. DATE

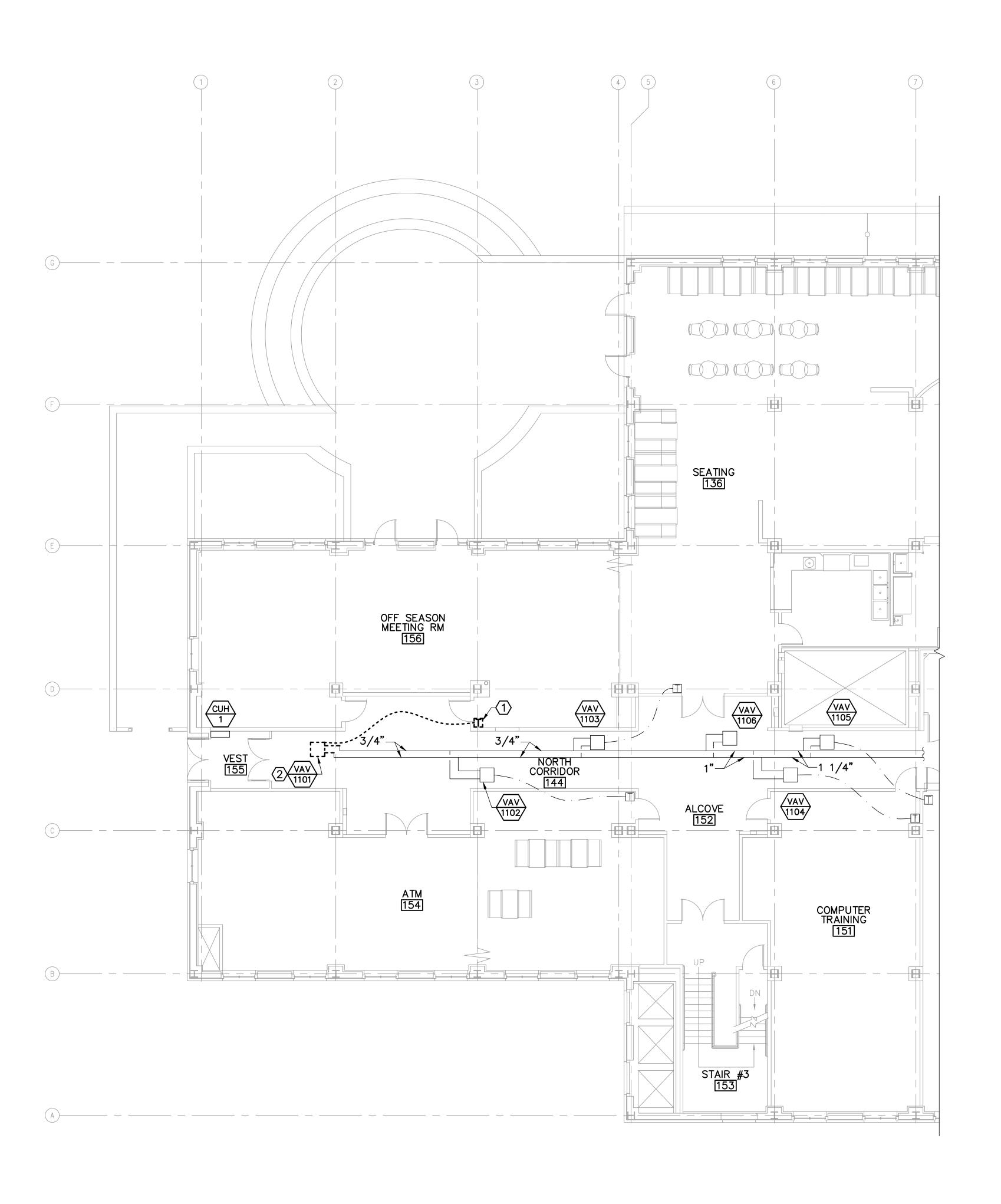
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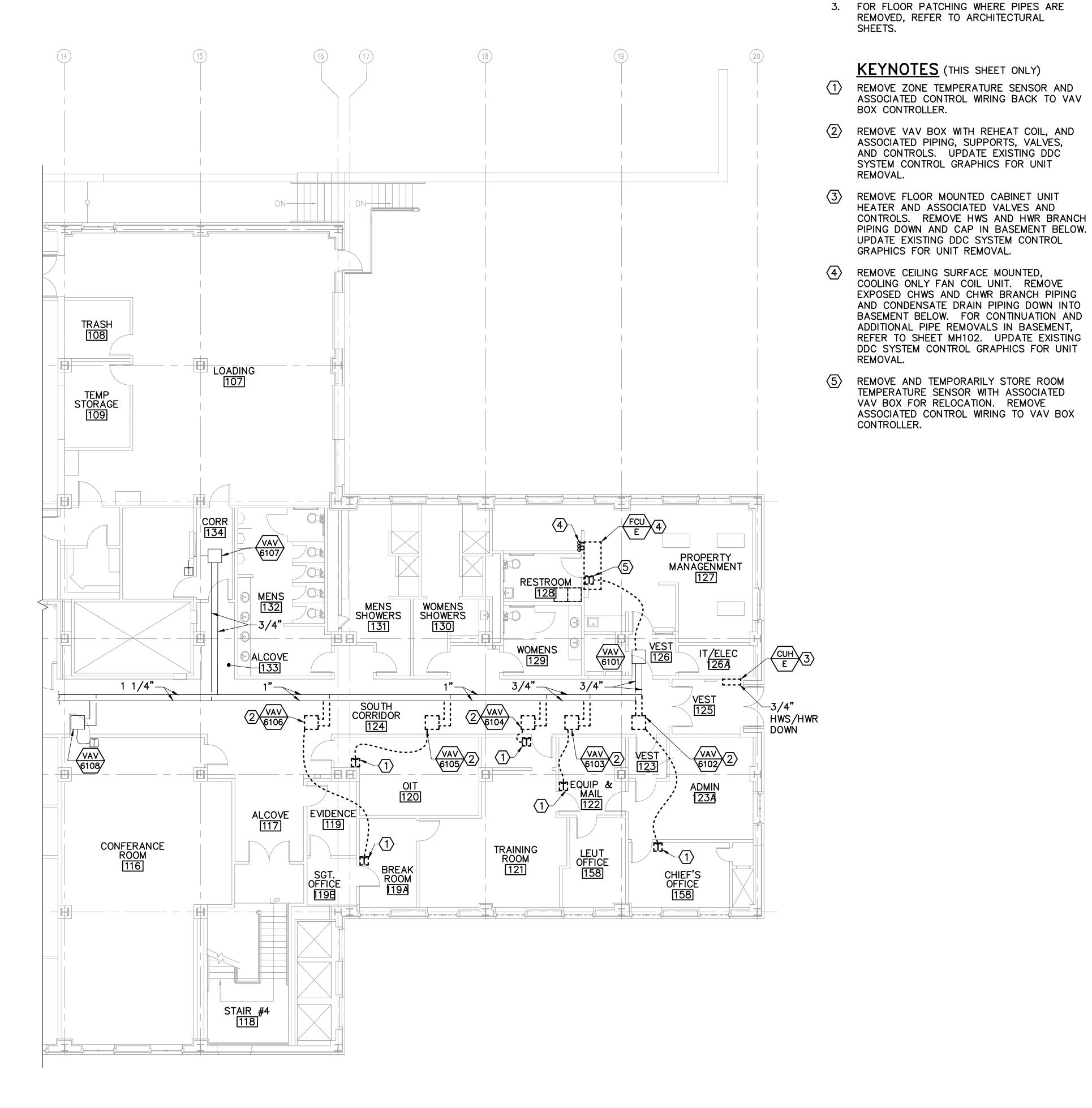
**REVISIONS** 

PLAN

NORTH

KEY PLAN NOT TO SCALE





HANGERS, AND SUPPORTS.

2. CONTROL SYSTEM REMOVALS MUST

1. REMOVE HEATING HOT WATER, CHILLED

VALVES, ACCESSORIES, INSULATION,

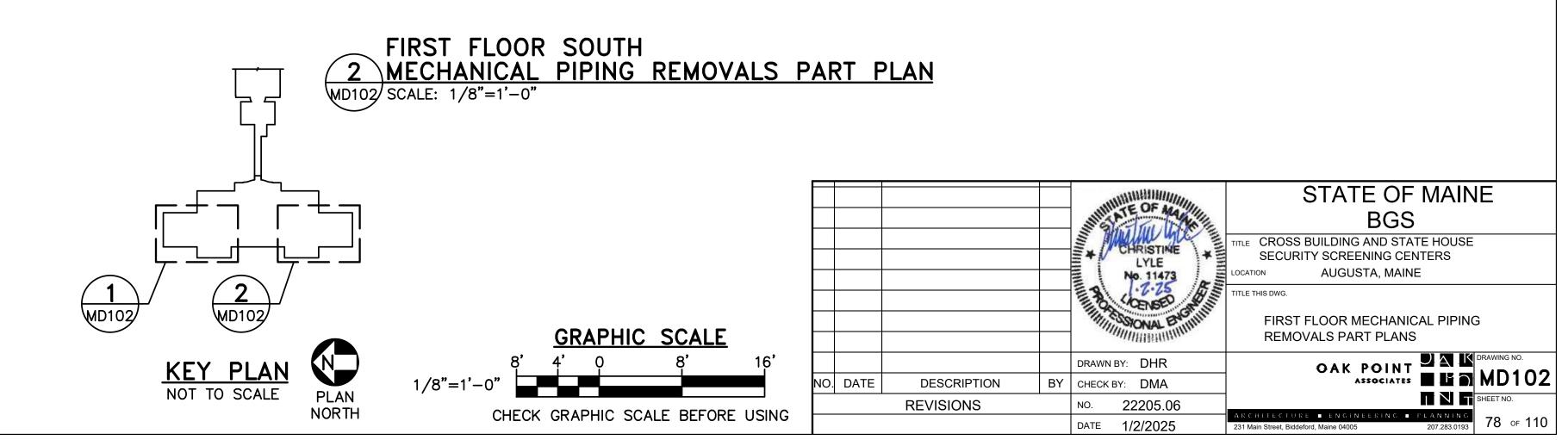
WATER, CONDENSATE DRAIN PIPING, AND EQUIPMENT AS INDICATED ON PLANS. PIPE REMOVALS MUST INCLUDE BRANCH PIPING,

INCLUDE DEVICES, WIRING, AND ACCESSIBLE CONDUIT FROM DEVICE TO CONTROLLER.

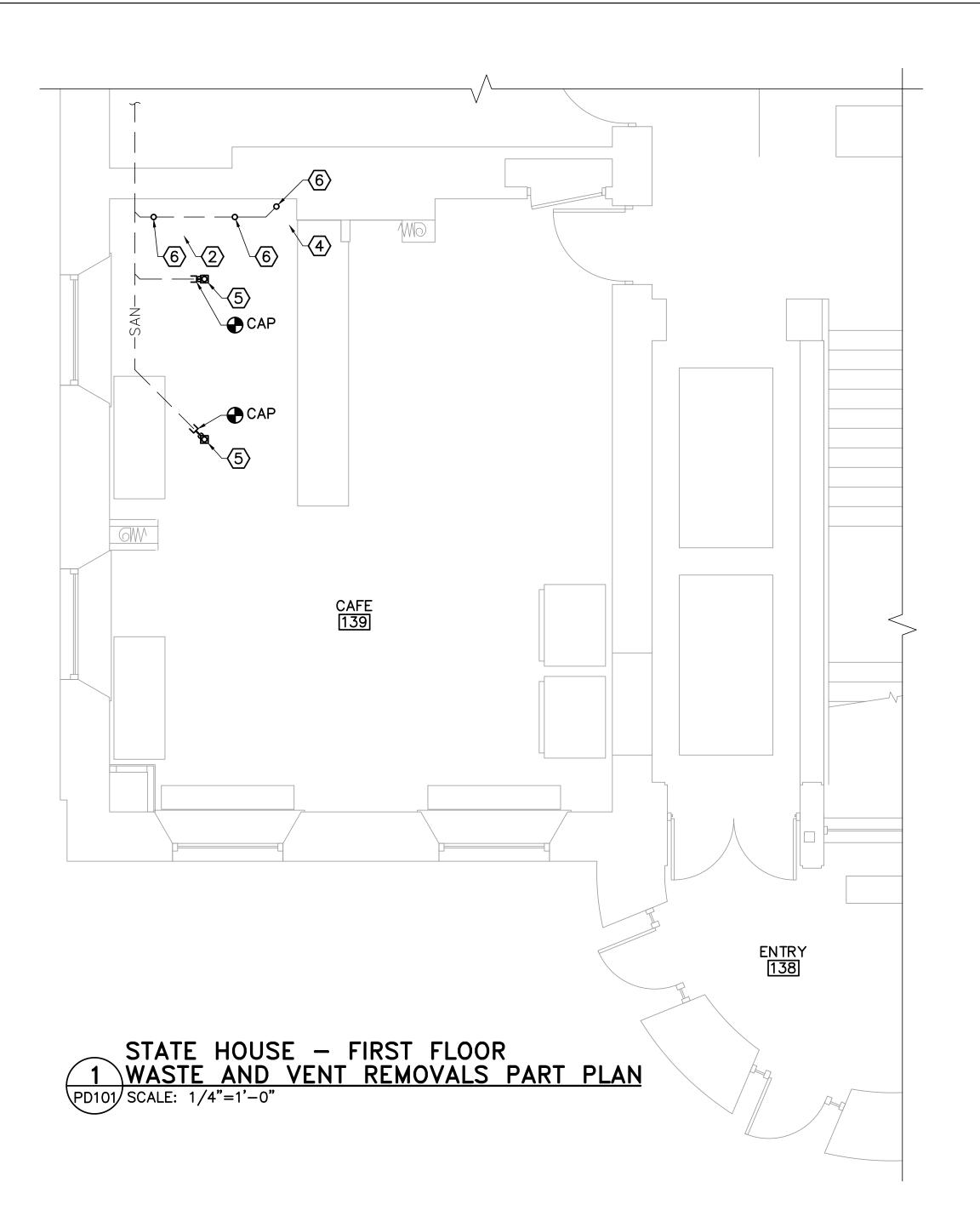
FIRST FLOOR NORTH

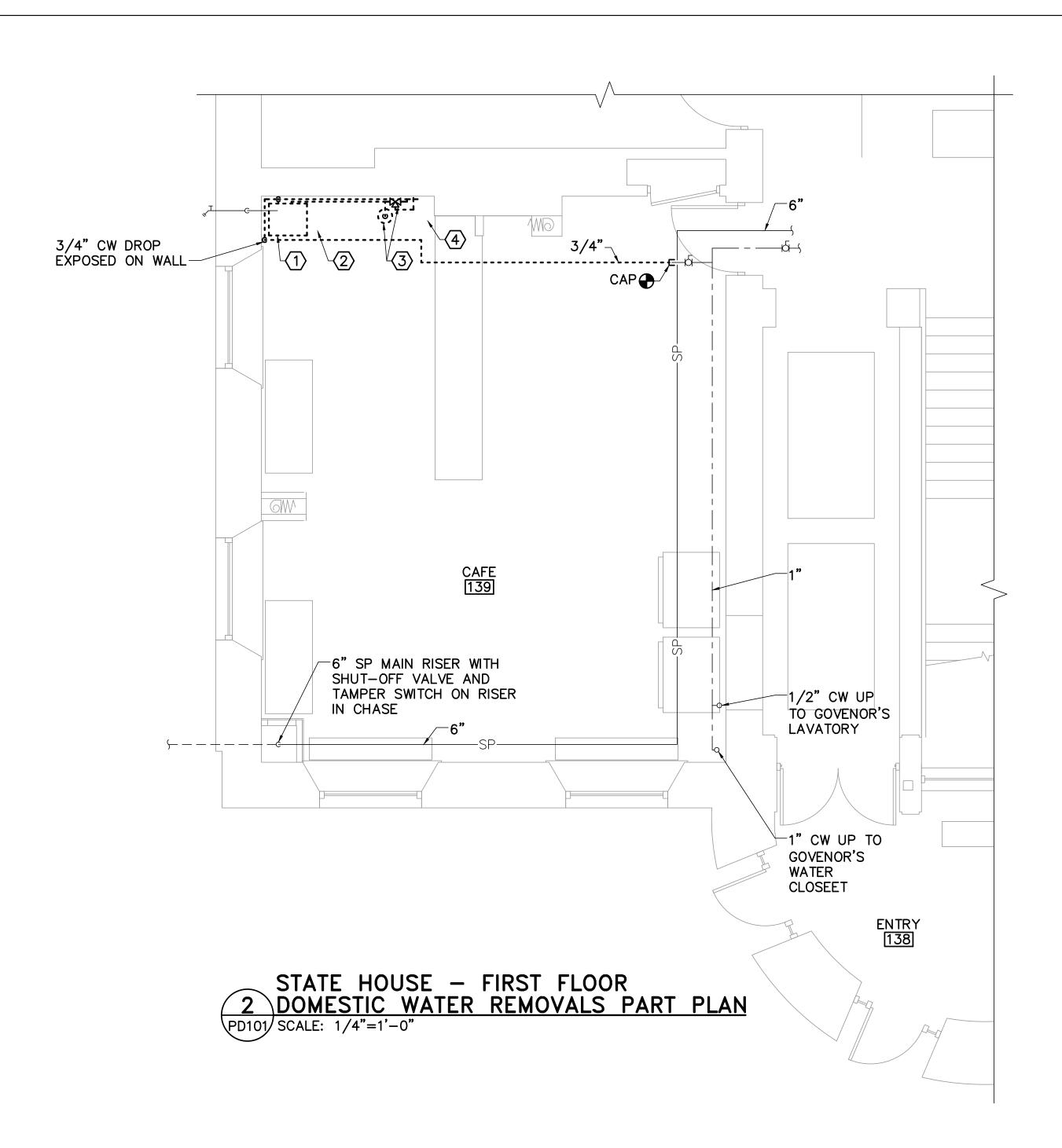
1 MECHANICAL PIPING REMOVALS PART PLAN

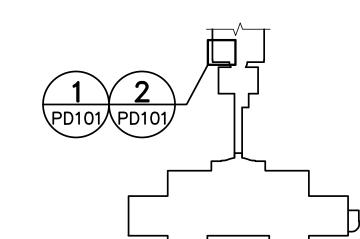
MD102 SCALE: 1/8"=1'-0"



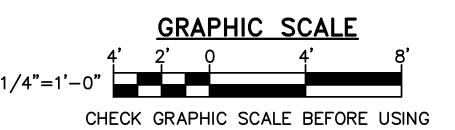
02 Jan, 2025 — 10:00am Y:\22205.06\22205.06-MD102.dwg





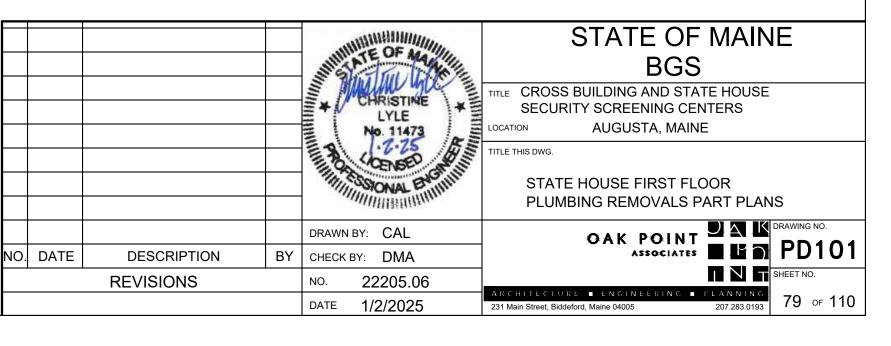


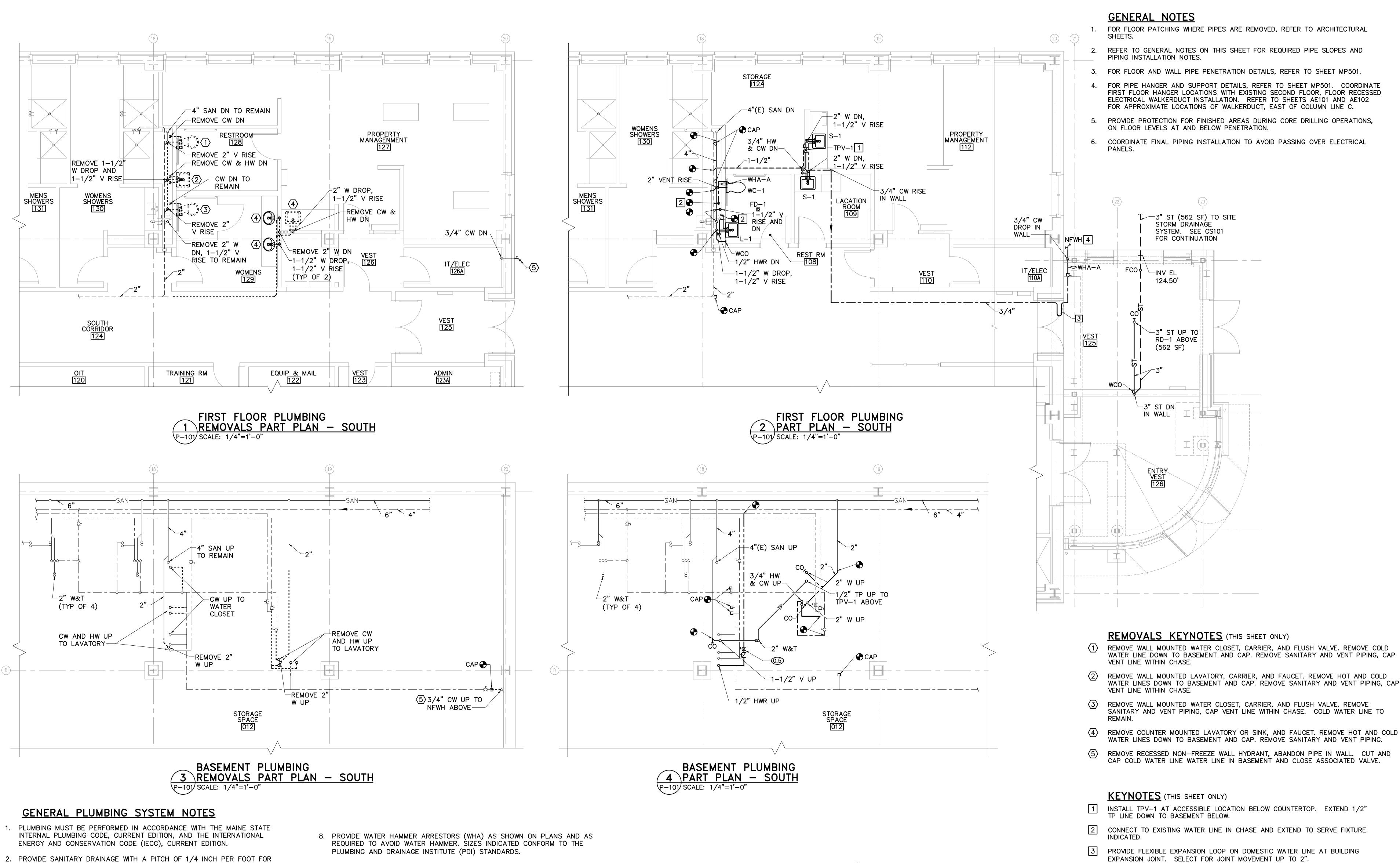




- 1. FOR FLOOR PATCHING WHERE PIPES ARE REMOVED, REFER TO ARCHITECTURAL SHEETS
- 2. PIPING REMOVALS TO INCLUDE PIPE INSULATION, AND HANGERS AND SUPPORTS.

- REMOVE HOT AND COLD WATER PIPING ASSOCIATED WITH FLOOR MOUNTED, 30 kW ELECTRIC BOOSTER HEATER. REFER TO ELECTRICAL SHEET FOR BOOSTER HEATER REMOVAL.
- PREMOVE FLOOR MOUNTED, 3-BOWL, STAINLESS STEEL SINK, FAUCET, COMMON WASTE PIPING, AND ASSOCIATED HOT AND COLD WATER PIPING. SALVAGE FIXTURE AND TURN OVER TO OWNER.
- 3 REMOVE DOMESTIC HOT WATER SYSTEM PIPE MOUNTED EXPANSION TANK AND SINK THERMOSTATIC MIXING VALVE.
- REMOVE WALL MOUNTED, STAINLESS STEEL HAND SINK, FAUCET, WASTE PIPING, AND ASSOCIATED HOT AND COLD WATER PIPING. REMOVE WALL MOUNTED COLD WATER FILTER BELOW SINK AND ABANDONED TUBING TO FORMER COFFEE STATION. SALVAGE FIXTURE AND TURN OVER TO OWNER.
- REMOVE FLOOR DRAIN AND ASSOCIATED TRAP. CAP WASTE PIPE BELOW FINISHED FLOOR.
- (6) REMOVE 2" SINK WASTE PIPE DOWN INTO FLOOR. CAP PIPE BELOW FINISHED FLOOR.





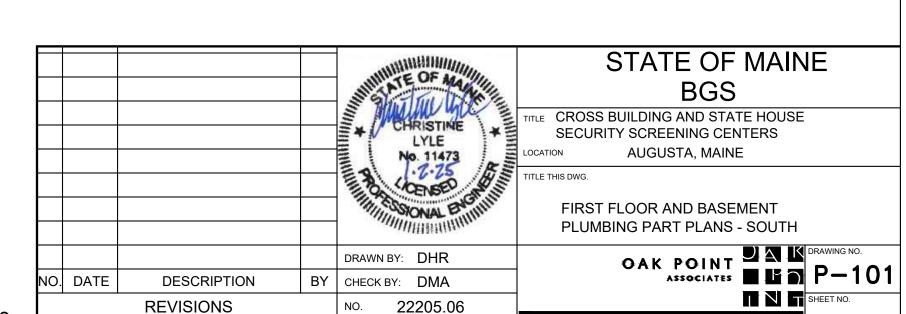
- PROVIDE SANITARY DRAINAGE WITH A PITCH OF 1/4 INCH PER FOOT FOR BUILDING SANITARY PIPING 3 INCHES AND SMALLER AND A PITCH OF 1/8 INCH PER FOOT FOR BUILDING SANITARY PIPING 4 INCHES AND LARGER, UNLESS OTHERWISE NOTED.
- 3. FOR PIPE SIZES NOT SHOWN ON PLANS REFER TO APPROPRIATE PART PLANS AND RISER DIAGRAMS.
- 4. PIPING IS SHOWN DIAGRAMMATICALLY, EXACT LOCATIONS MUST BE DETERMINED IN THE FIELD.
- 5. PIPING MUST BE INSTALLED CONCEALED ABOVE CEILINGS, IN WALLS AND IN CHASES, UNLESS OTHERWISE NOTED. PIPING MUST BE INSTALLED PARALLEL TO BUILDING LINES.
- 6. PIPING MUST BE SUPPORTED FROM BUILDING STRUCTURE.
- 7. INSTALL WATER PIPE ON THE WARM SIDE OF BUILDING INSULATION IN EXTERIOR WALLS.

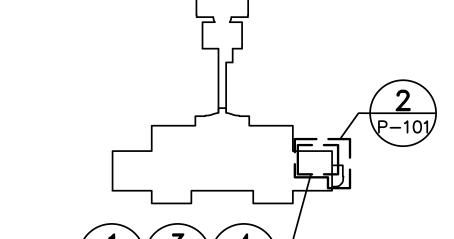
- 9. PROVIDE ACCESSIBLE CLEANOUTS AT THE BASE OF STACKS, AT HORIZONTAL CHANGES OF DIRECTION GREATER THAN 45°, AND WHERE SHOWN ON DRAWINGS.
- 10. PIPING DROPS TO FIXTURES MUST BE ANCHORED SOLID TO WALL WITH STEEL SUPPORT BRACKETS WITH ADJUSTABLE CLIPS.
- 11. REFER TO SHEETS G-005 THROUGH G-008 FOR PROJECT PHASING REQUIREMENTS WHICH WILL AFFECT THE WORK ORDER AND LIMITATION OF WORK AREAS.
- 12. PIPING THRU FLOORS, MASONRY WALLS, AND PARTITIONS MUST HAVE STEEL PIPE SLEEVES. REFER TO CODE REVIEW PLANS ON SHEETS G-101 TO G-109 FOR LOCATIONS OF RATED WALLS, FLOORS, AND CEILINGS. REFER TO ARCHITECTURAL SHEET AEOO1 FOR DETAILS OF PENETRATIONS THROUGH RATED CONSTRUCTION. COORDINATE WITH FIRESTOPPING INSTALLER.

- WATER LINE DOWN TO BASEMENT AND CAP. REMOVE SANITARY AND VENT PIPING, CAP

FOR FINAL HEIGHT AND LOCATION OF WALL HYDRANT IN CUT GRANITE FACE WALL. REFER TO ARCHITECTURAL ELEVATIONS.

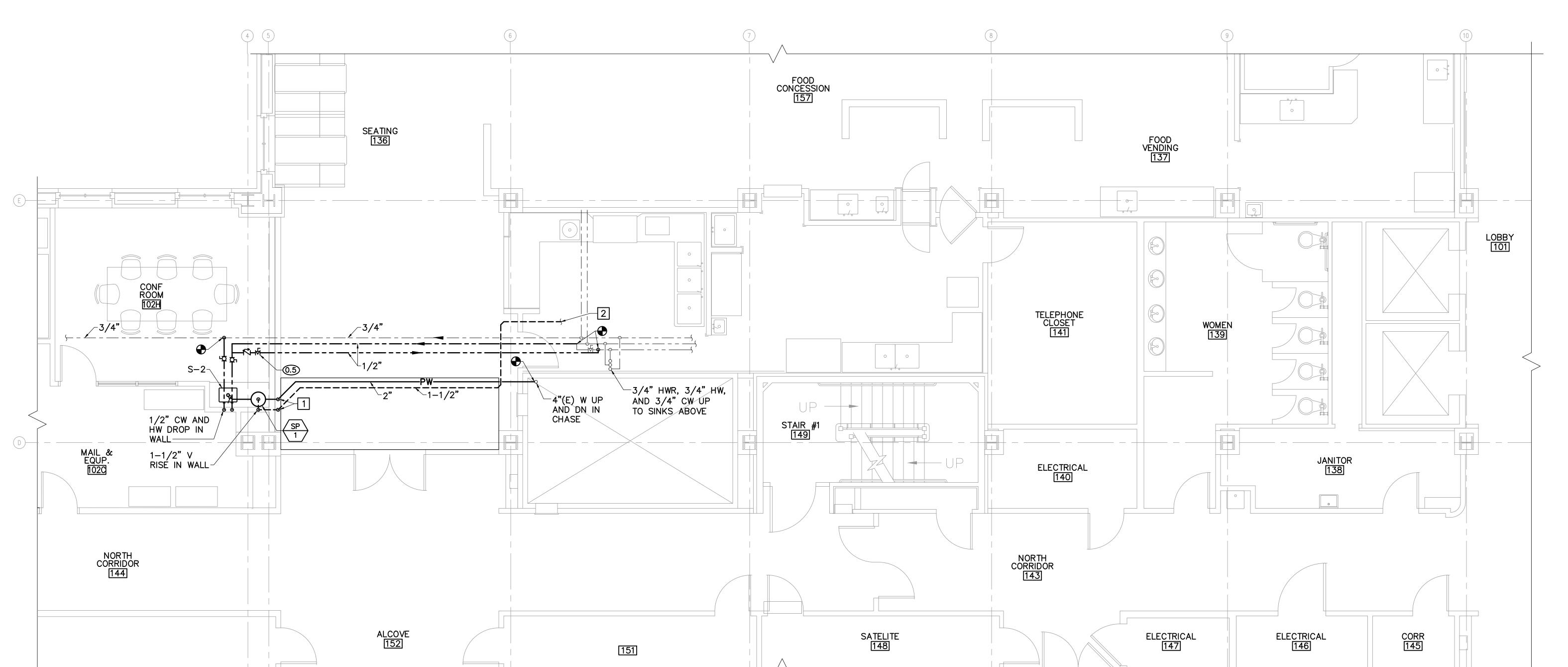
DATE 1/2/2025





P-101/P-101/P-101/ **KEY PLAN** NOT TO SCALE

**GRAPHIC SCALE** PLAN CHECK GRAPHIC SCALE BEFORE USING NORTH



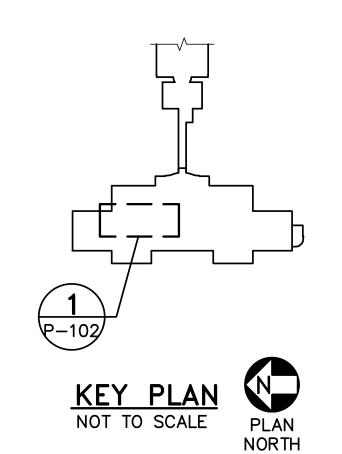
FIRST FLOOR

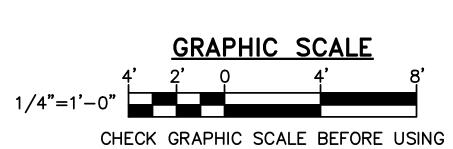
1 PLUMBING PART PLAN — NORTH
P-102 SCALE: 1/4"=1'-0"

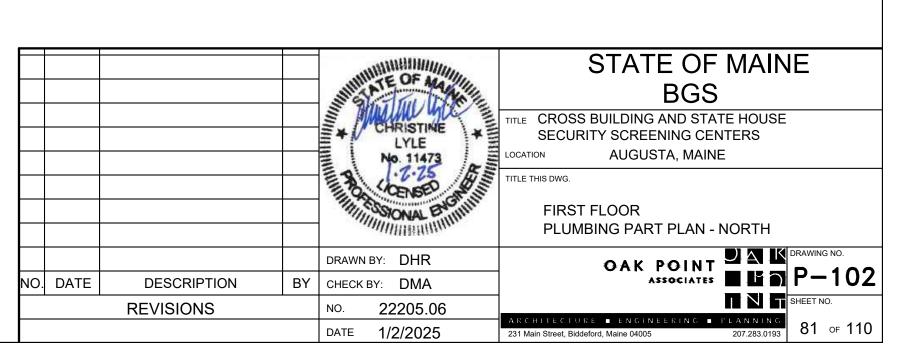
**GENERAL NOTES** 

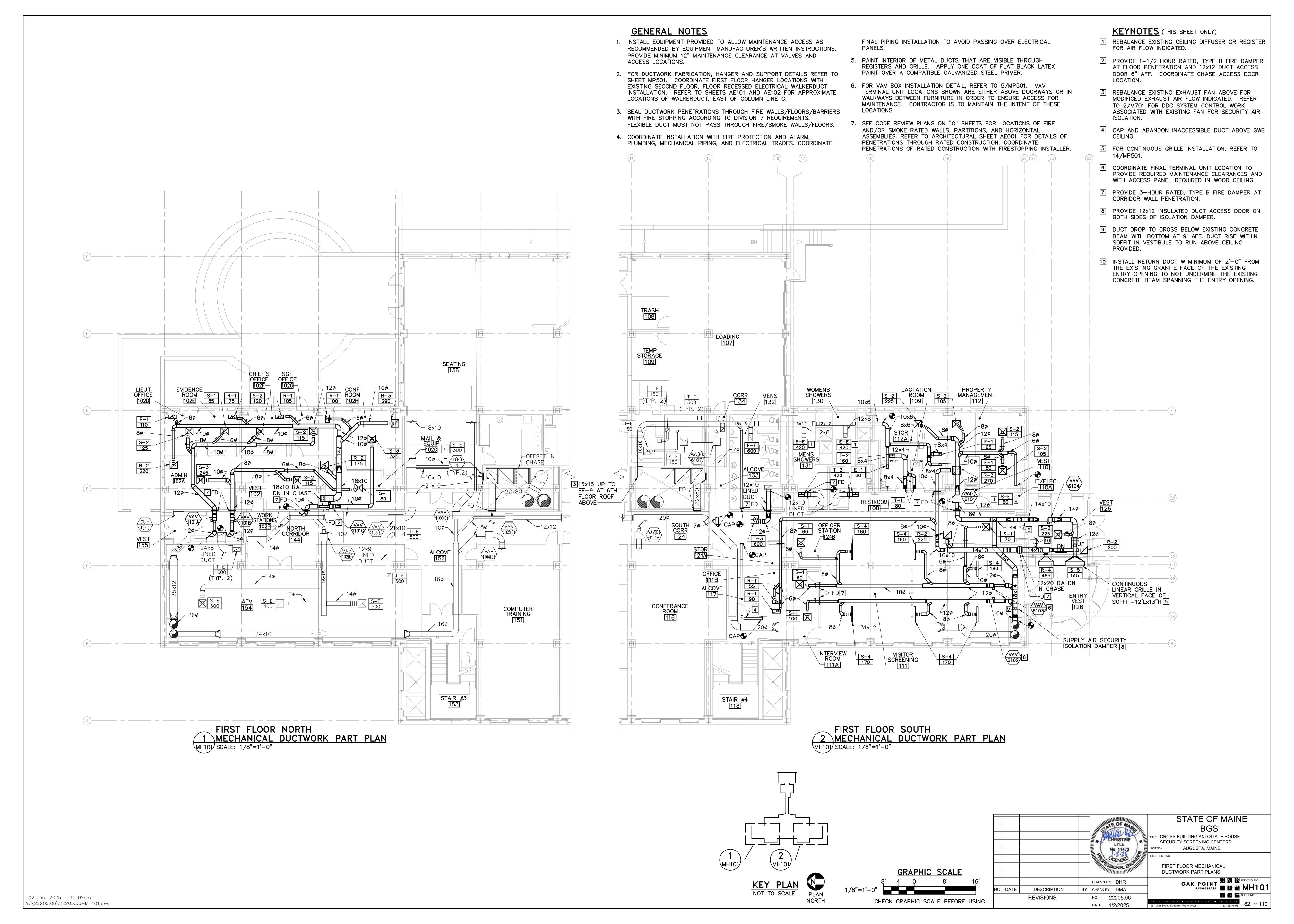
- 1. FOR FLOOR PATCHING WHERE PIPES ARE REMOVED, REFER TO ARCHITECTURAL SHEETS.
- 2. REFER TO GENERAL NOTES ON THIS SHEET FOR REQUIRED PIPE SLOPES AND PIPING INSTALLATION NOTES.
- 3. FOR FLOOR AND WALL PIPE PENETRATION DETAILS, REFER TO SHEET MP501.
- 4. FOR PIPE HANGER AND SUPPORT DETAILS, REFER TO SHEET MP501. FOR PIPE HANGER AND SUPPORT DETAILS, REFER TO SHEET MP501. COORDINATE FIRST FLOOR HANGER LOCATIONS WITH EXISTING SECOND FLOOR, FLOOR RECESSED ELECTRICAL WALKERDUCT INSTALLATION. REFER TO SHEETS AE101 AND AE102 FOR APPROXIMATE LOCATIONS OF WALKERDUCT, EAST OF COLUMN LINE C.
- 5. PROVIDE PROTECTION FOR FINISHED AREAS DURING CORE DRILLING OPERATIONS, ON FLOOR LEVELS AT AND BELOW PENETRATION.
- 6. COORDINATE FINAL PIPING INSTALLATION TO AVOID PASSING OVER ELECTRICAL PANELS.

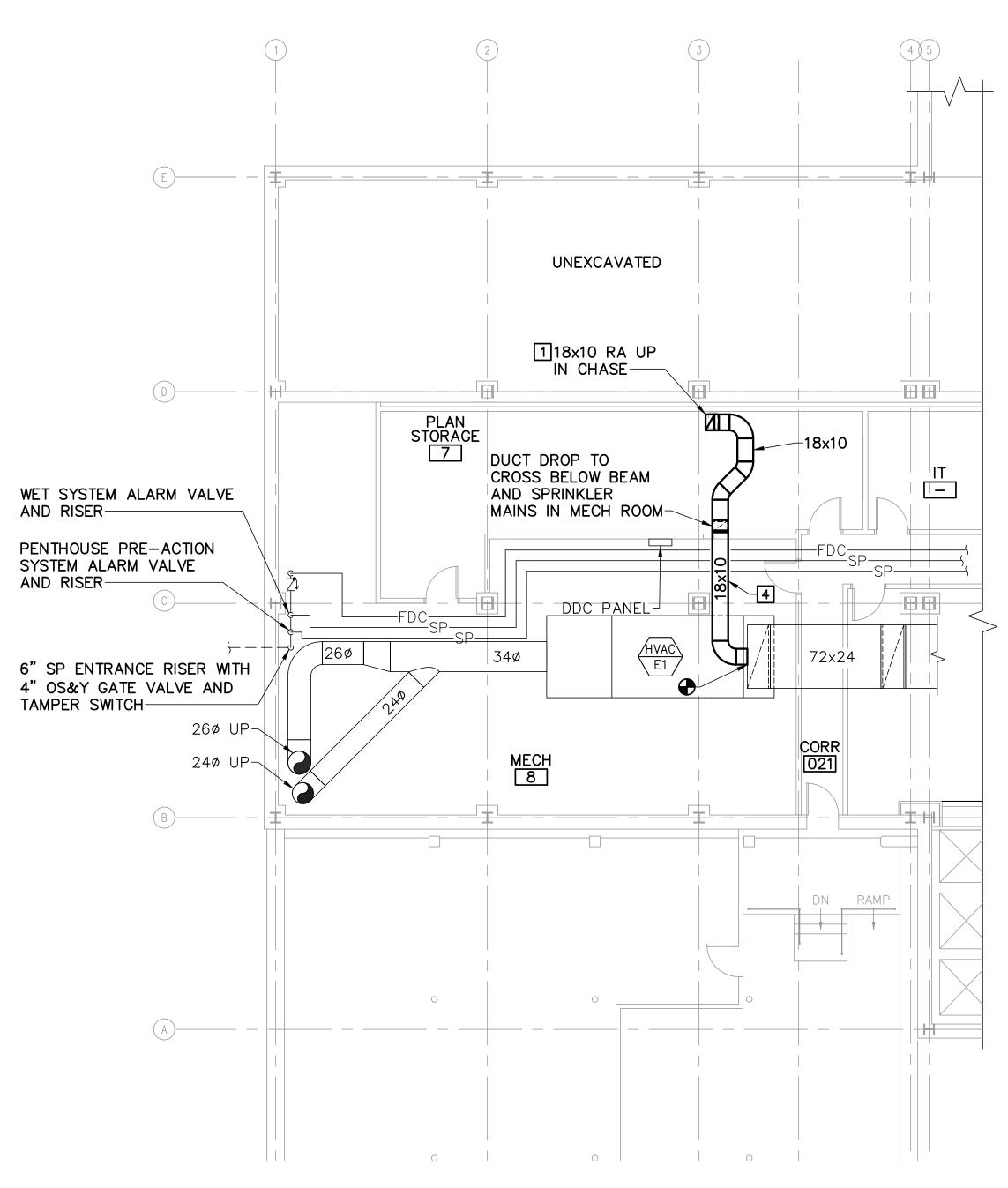
- 2" PW AND 1-1/2" V RISE IN WALL TO UNDERSIDE OF FLOOR ABOVE, BEYOND BEAMS.
- 2 EXTEND AND CONNECT VENT TO EXISTING VENT PIPE IN KITCHEN.







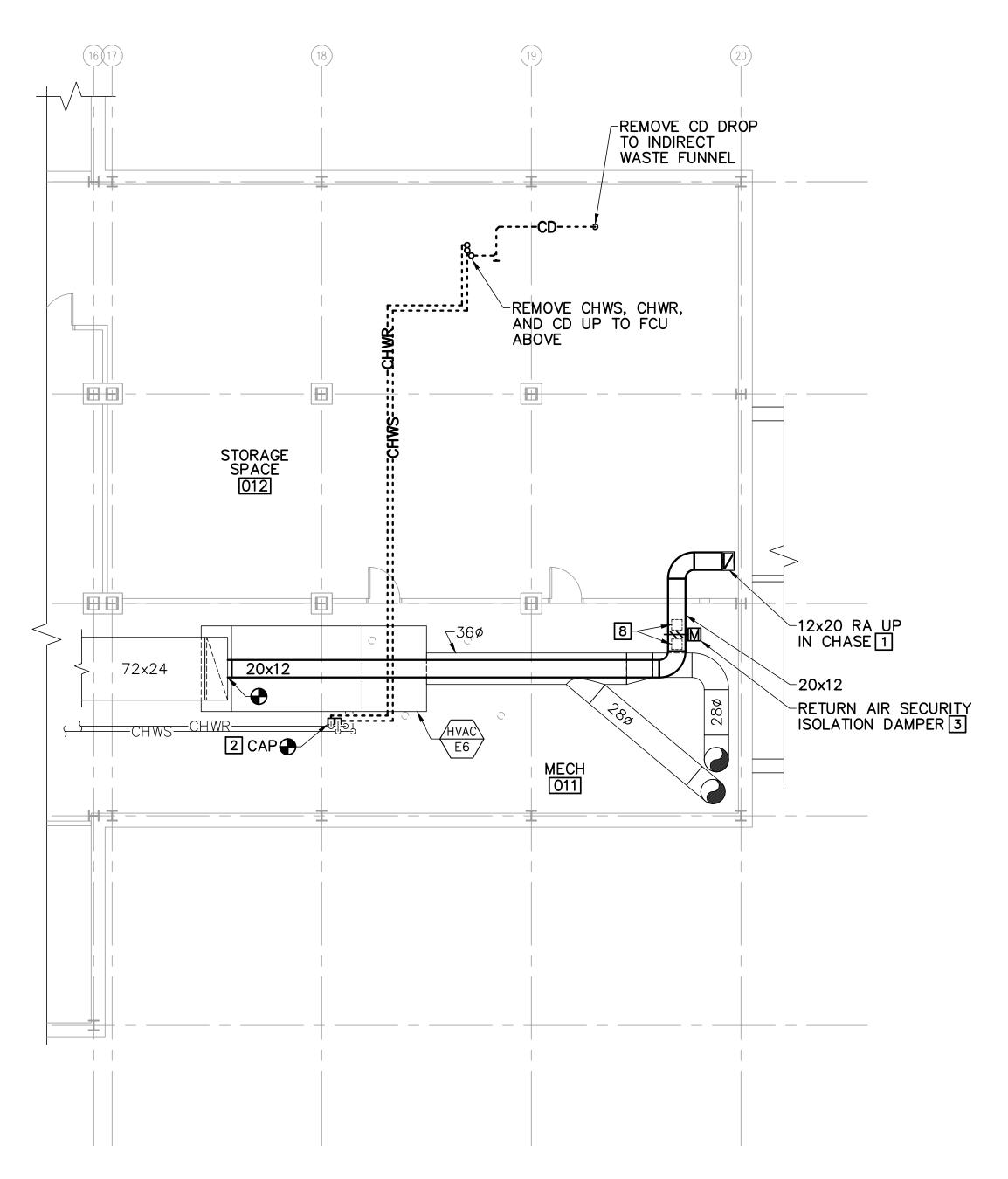




BASEMENT NORTH SPRINKLER AND

1 MECHANICAL DUCTWORK PART PLAN

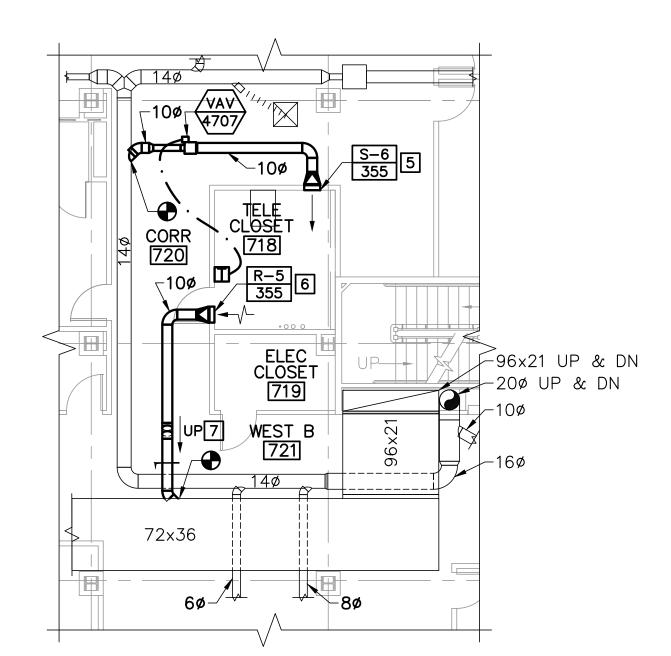
EXO01 MH102 SCALE: 1/8"=1'-0"



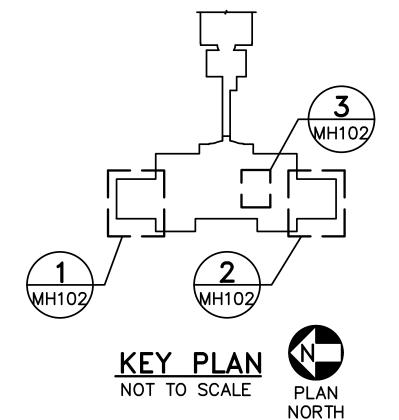
BASEMENT SOUTH MECHANICAL

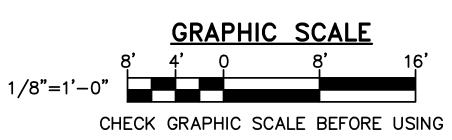
DUCTWORK AND PIPING PART PLAN

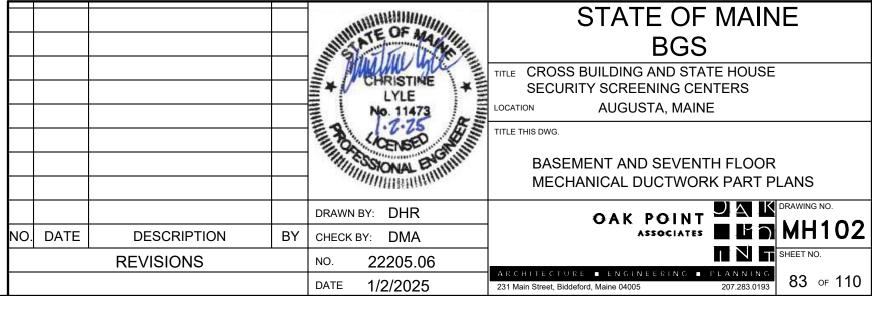
MH102 SCALE: 1/8"=1'-0"



SEVENTH FLOOR MECHANICAL 3 DUCTWORK PART PLAN
MH102 SCALE: 1/8"=1'-0"



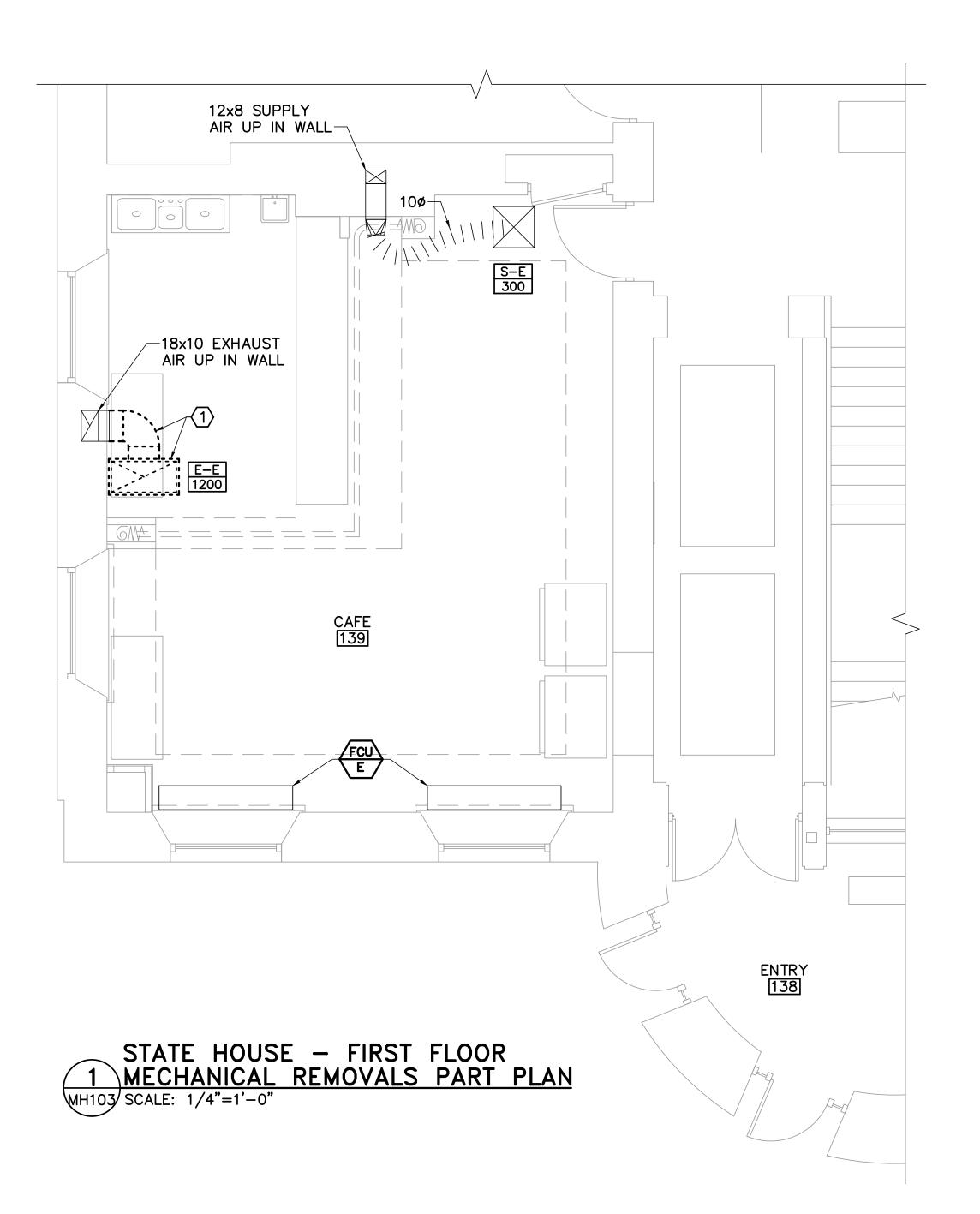


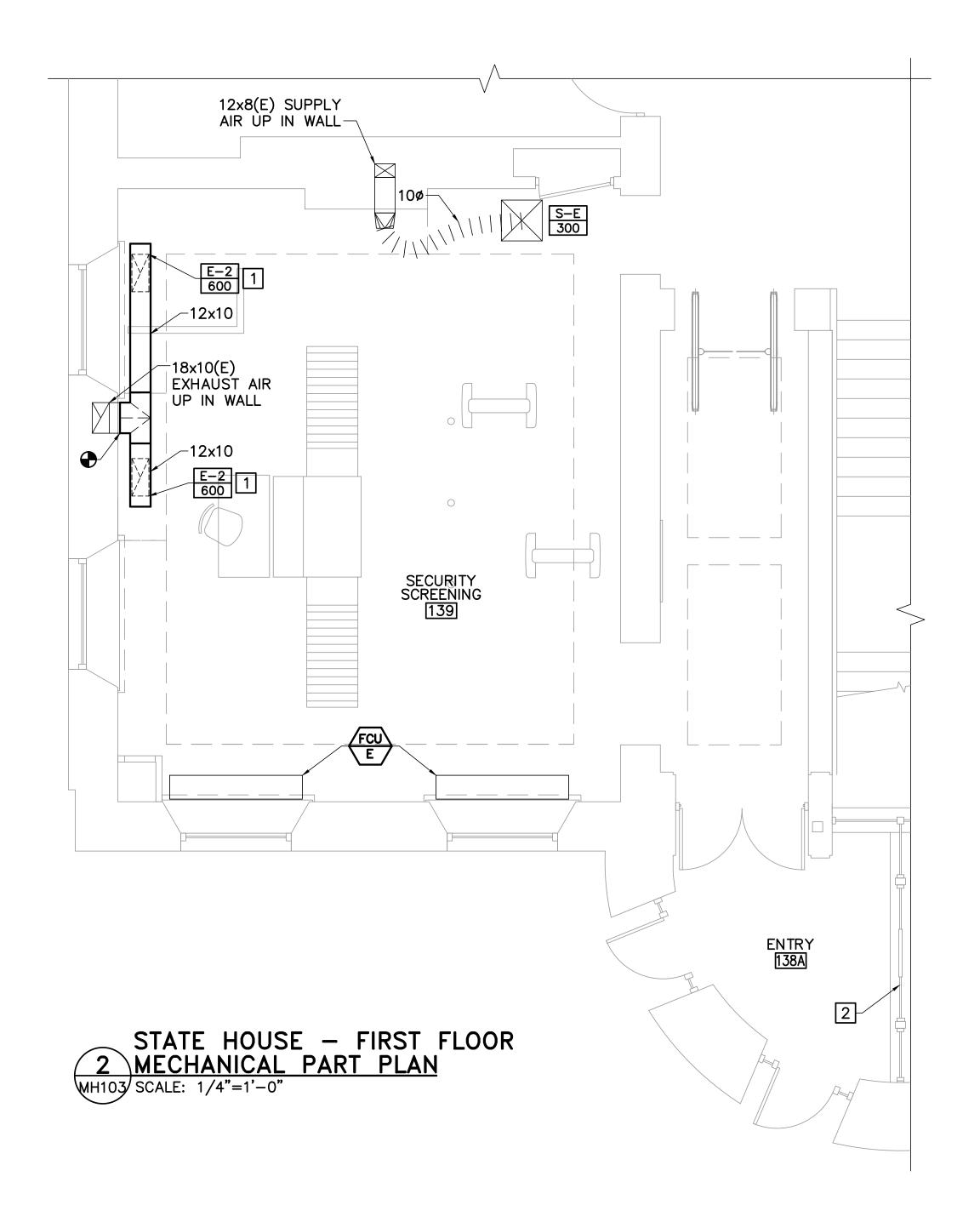




- REMOVE CHILLED WATER AND CONDENSATE DRAIN PIPING AS INDICATED ON PLANS. PIPE REMOVALS MUST INCLUDE BRANCH PIPING, VALVES, ACCESSORIES, INSULATION, HANGERS, AND SUPPORTS.
- 2. FOR FLOOR PATCHING WHERE PIPES ARE REMOVED, REFER TO ARCHITECTURAL SHEETS.
- 3. FOR DUCTWORK FABRICATION, HANGER AND SUPPORT DETAILS REFER TO SHEET MP501.
- 4. SEAL DUCTWORK PENETRATIONS THROUGH FIRE WALLS/FLOORS/BARRIERS WITH FIRE STOPPING ACCORDING TO DIVISION 7 REQUIREMENTS. FLEXIBLE DUCT MUST NOT PASS THROUGH FIRE/SMOKE WALLS/FLOORS.
- 5. COORDINATE INSTALLATION WITH FIRE PROTECTION AND ALARM, PLUMBING, MECHANICAL PIPING, AND ELECTRICAL TRADES. COORDINATE FINAL PIPING INSTALLATION TO AVOID PASSING OVER ELECTRICAL PANELS.
- 6. SEE CODE REVIEW PLANS ON "G" SHEETS FOR LOCATIONS OF FIRE AND/OR SMOKE RATED WALLS, PARTITIONS, AND HORIZONTAL ASSEMBLIES. REFER TO ARCHITECTURAL SHEET AEOO1 FOR DETAILS OF PENETRATIONS THROUGH RATED CONSTRUCTION. COORDINATE PENETRATIONS OF RATED CONSTRUCTION WITH FIRESTOPPING INSTALLER.

- REFER TO SHEET MH101 FOR REQUIRED FIRE DAMPER AT FLOOR PENETRATION.
- CAP CHILLED WATER BRANCH PIPING LEAVING BALL VALVES AT MAINS IN PLACE.
- 3 FOR DAMPER CONTROL DIAGRAM, REFER TO 3/M-701.
- FOR PERSONNEL PROTECTION, PROVIDE 1/2" THICK FLEXIBLE ELASTOMERIC SHEET INSULATION ON BOTTOM HALF OF RETURN DUCT FROM AHU TO WALL. PROVIDE YELLOW CAUTION TAPE OVER INSULATION ON BOTTOM CORNERS OF DUCT.
- INSTALL SUPPLY GRILLE IN WALL WITH CENTERLINE AT 10'-0"± AFF TO SUPPLY AIR ABOVE EXISTING CABLE TRAY ALONG WALL.
- INSTALL RETURN AIR GRILLE IN WALL AS HIGH AS POSSIBLE ABOVE DOOR.
- OFFSET RETURN AIR DUCT AS REQUIRED AT CORRIDOR INTERSECTION FOR CONDUIT AND PIPING CROSSING THIS AREA.
- PROVIDE 12x12 INSULATED DUCT ACCESS DOOR ON BOTH SIDES OF INSULATION DAMPER.





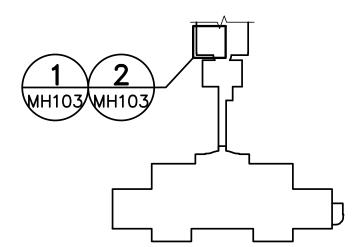


- 1. FOR DUCTWORK FABRICATION, HANGER AND SUPPORT DETAILS REFER TO SHEET MP501.
- 2. SEAL DUCTWORK PENETRATIONS THROUGH FIRE WALLS/FLOORS/BARRIERS WITH FIRE STOPPING ACCORDING TO DIVISION 7 REQUIREMENTS. FLEXIBLE DUCT MUST NOT PASS THROUGH FIRE/SMOKE WALLS/FLOORS.
- 3. COORDINATE INSTALLATION WITH FIRE PROTECTION AND ALARM, PLUMBING, MECHANICAL PIPING, AND ELECTRICAL TRADES. COORDINATE FINAL PIPING INSTALLATION TO AVOID PASSING OVER ELECTRICAL PANELS.
- 4. PAINT INTERIOR OF METAL DUCTS THAT ARE VISIBLE THROUGH REGISTERS AND GRILLE. APPLY ONE COAT OF FLAT BLACK LATEX PAINT OVER A COMPATIBLE GALVANIZED STEEL PRIMER.

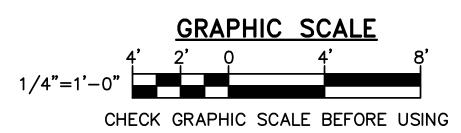
# REMOVALS KEYNOTES (THIS SHEET ONLY)

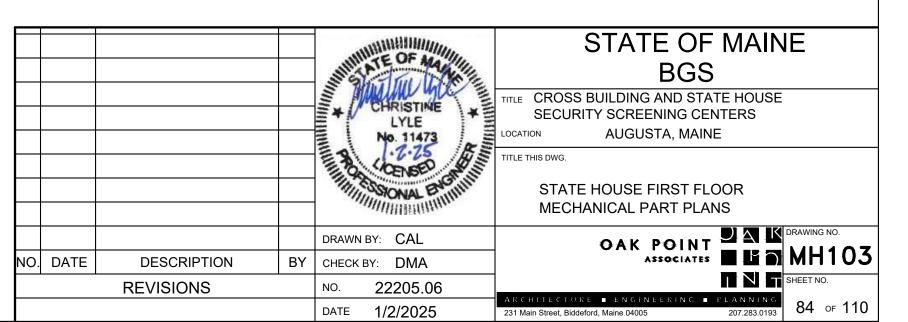
REMOVE EXHAUST GRILLE, PLENUM, AND EXHAUST DUCT BACK TO WALL PENETRATION. PROVIDE TEMPORARY CAP ON OPEN EXHAUST DUCT DURING CONSTRUCTION.

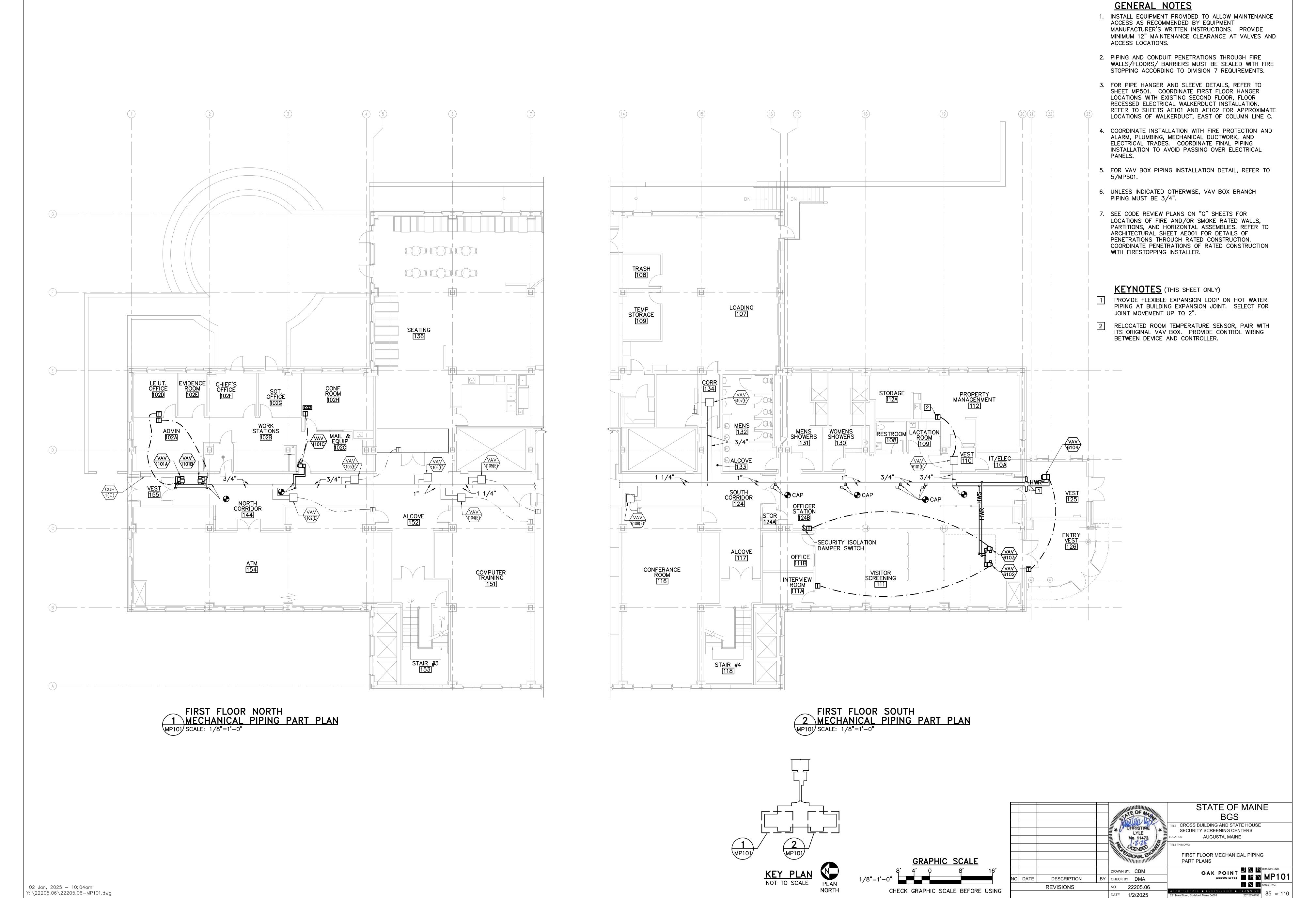
- 1 INSTALL GRILLE IN BOTTOM FACE OF GWB SOFFIT.
- ENTRY CONTAINS HYDRONIC RADIANT TUBING IN FLOOR. COORDINATE WITH BUILDING OWNER TO ACTIVATE RADIANT HEATING SYSTEM TO DOCUMENT EXISTING TUBE LOCATIONS FOR INSTALLATION OF ENTRY SEPARATION WALL INDICATED.

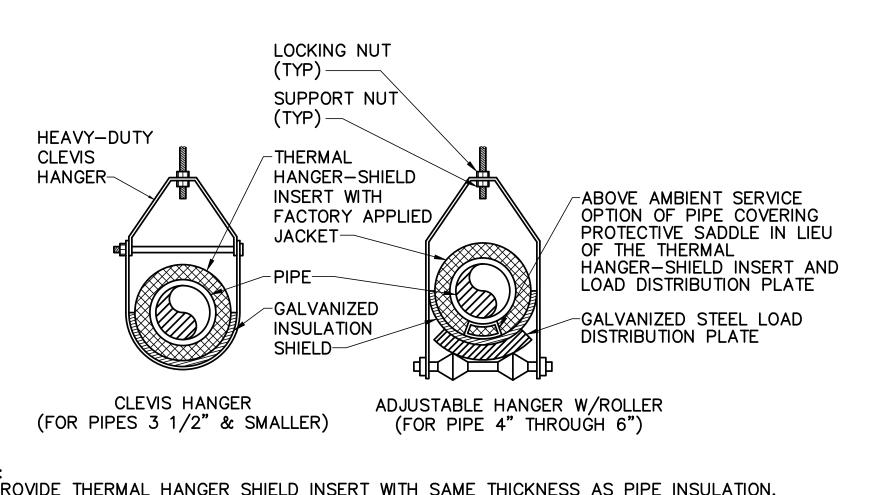






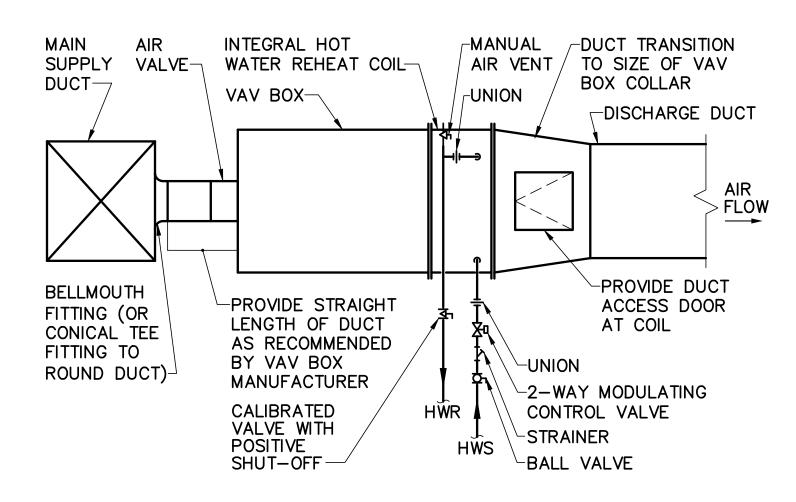






- 1. PROVIDE THERMAL HANGER SHIELD INSERT WITH SAME THICKNESS AS PIPE INSULATION.
  2. FOR BELOW AMBIENT SERVICES, EXTEND THERMAL HANGER SHIELD INSERT A MINIMUM OF
- 1-1/2" BEYOND SHEET METAL SHIELD.
  3. FOR BELOW AMBIENT SERVICES, PROVIDE VAPOR BARRIER INSERT JACKET.
  4. REFER TO SPECIFICATIONS FOR INSERT COMPRESSIVE STRENGTH, SHIELD GAUGE, AND SHIELD LENGTH WHICH ARE FUNCTIONS OF PIPE SIZE.

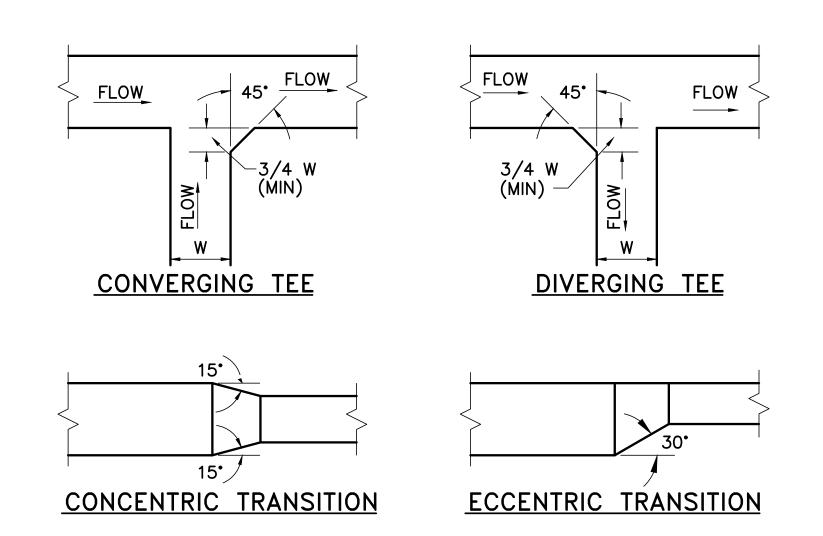
# 1 INSULATED PIPE HANGER ATTACHMENT DETAILS MP501 NOT TO SCALE



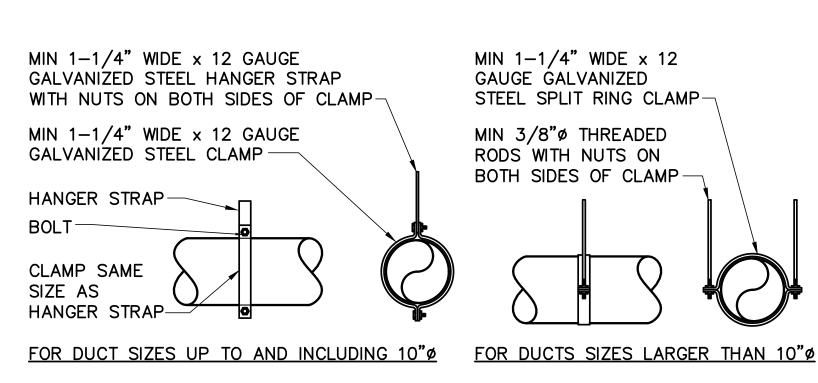
- NOTES

  1. SUPPORT PIPE INDEPENDENTLY FROM COIL.
- SUPPORT DUCT INDEPENDENTLY FROM COIL.
   PIPING BRANCH RUNOUTS MUST BE 3/4" UNLESS NOTED OTHERWISE.
   HEIGHT OF BRANCH TAKE OFF MUST BE MINIMUM 2" LESS THAN HEIGHT OF MAIN DUCT. SUBSTITUTE RECTANGULAR TO ROUND TRANSITION IN
- 5 TYPICAL VAV BOX INSTALLATION DIAGRAM
  MP501 NOT TO SCALE

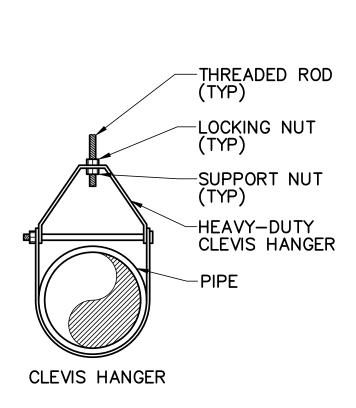
LIEU OF BELLMOUTH FITTING WHERE NECESSARY.



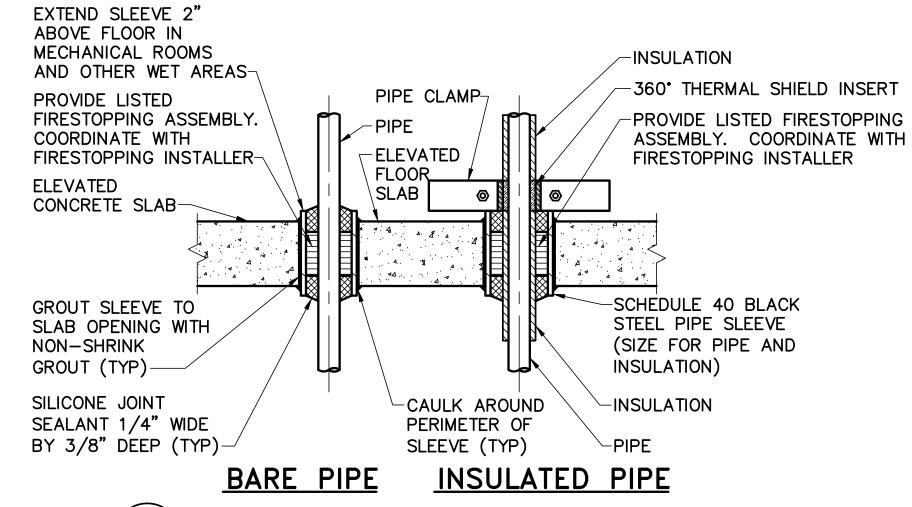
9 RECTANGULAR DUCT TRANSITIONS DETAIL
MP501 NOT TO SCALE



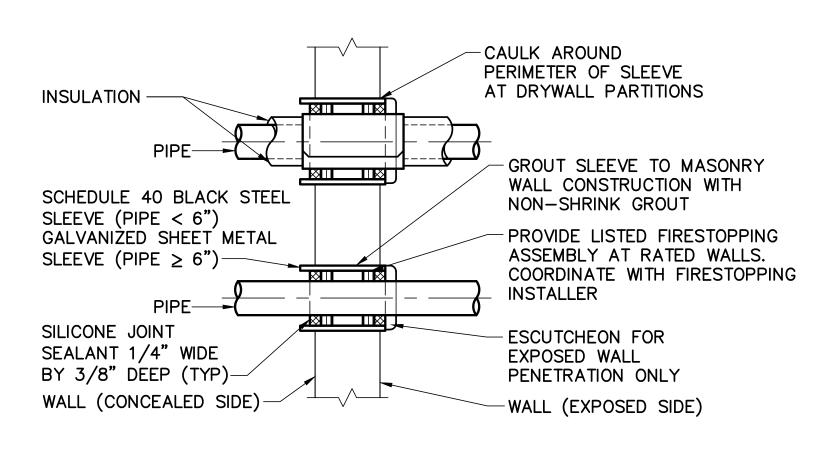
11 ROUND DUCT HANGER DETAIL
MP501 NOT TO SCALE



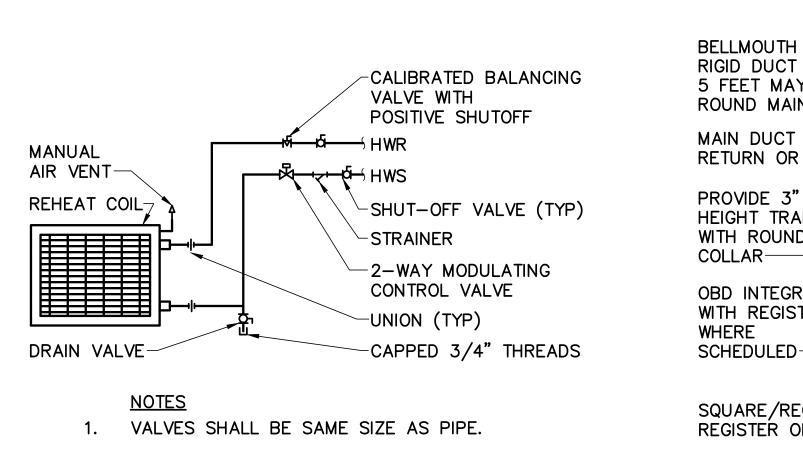
2 UNINSULATED PIPE HANGER DETAIL
MP501 NOT TO SCALE



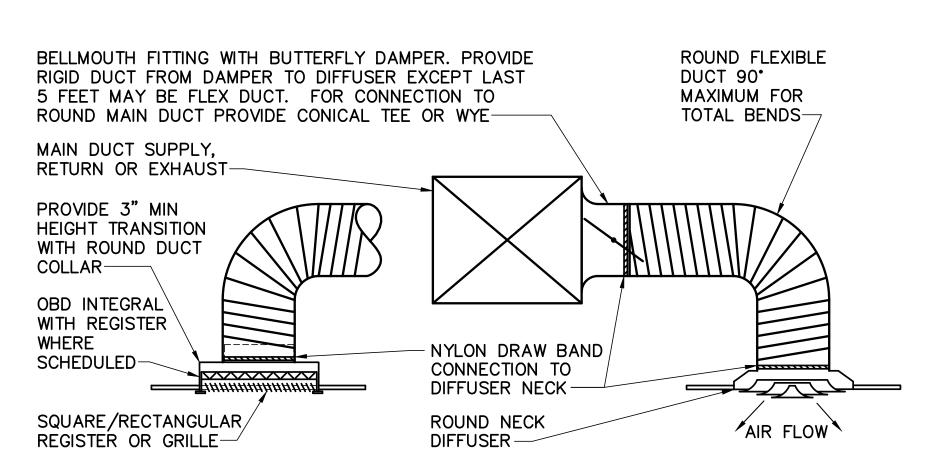
3 PIPE SLEEVE THRU ELEVATED FLOOR
MP501 NOT TO SCALE



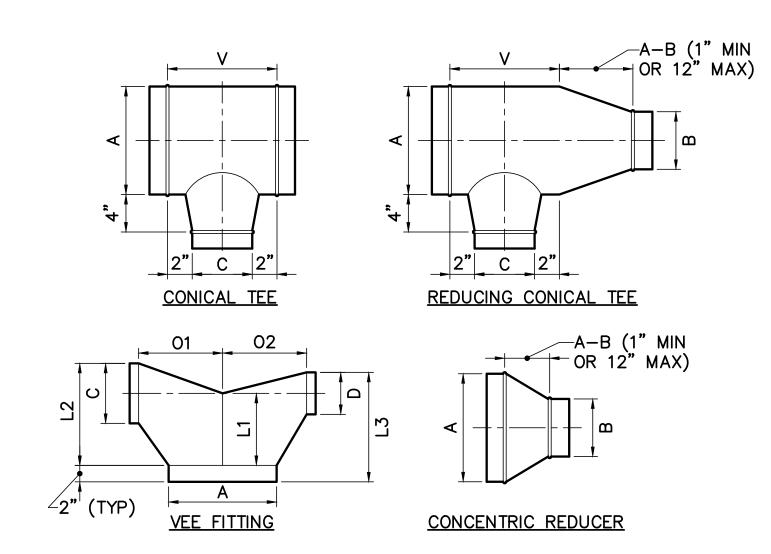
4 PIPE SLEEVE THRU WALL
MP501 NOT TO SCALE



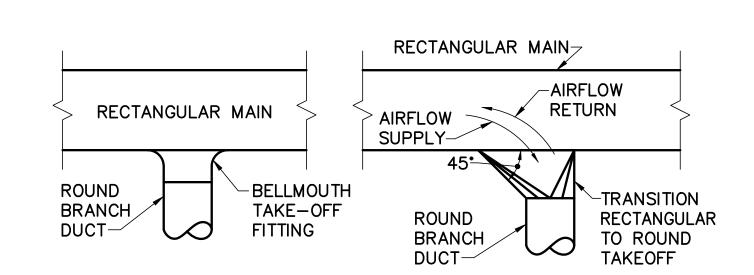








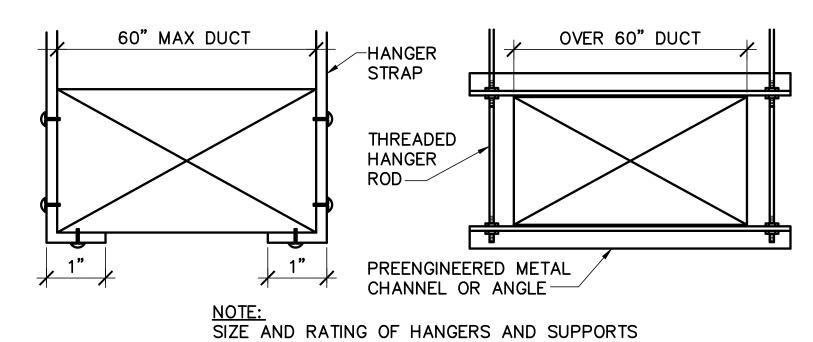
8 TYPICAL ROUND DUCT FITTINGS DETAIL
MP501 NOT TO SCALE



NOTE:
SPIN-IN TYPE STRAIGHT TAKE-OFF FITTINGS SHALL NOT BE PERMITTED.

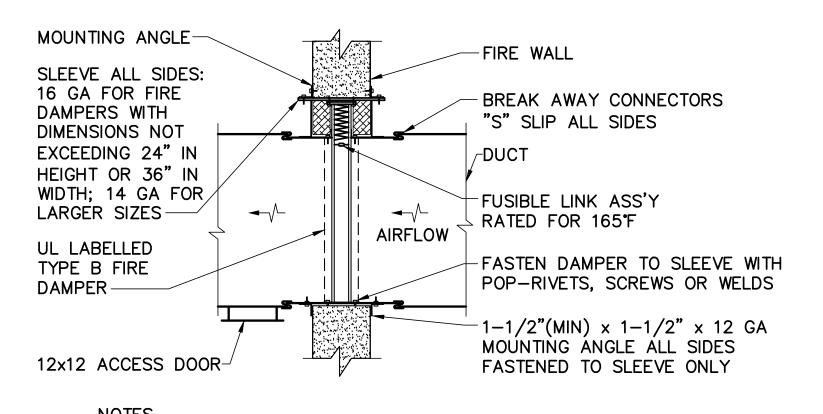
TYPICAL ROUND BRANCH DUCT

10 CONNECTIONS TO RECTANGULAR MAIN
MP501 NOT TO SCALE



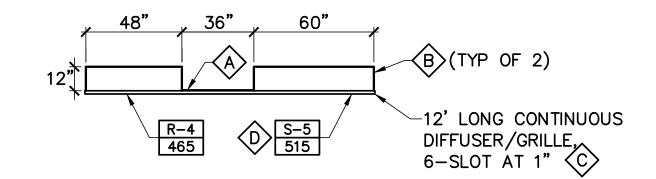
SIZE AND RATING OF HANGERS AND SUPPORTS SHALL BE PER LATEST SMACNA STANDARDS.

12 DUCT SUPPORT ATTACHMENTS DETAIL
MP501 NOT TO SCALE



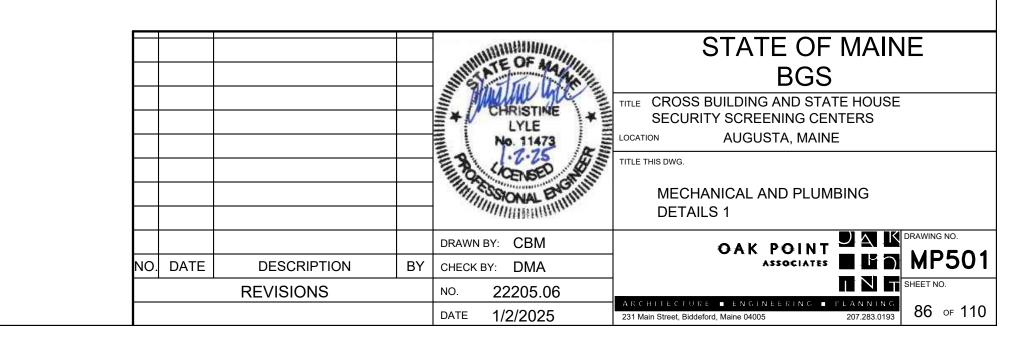
- 1. FOR HORIZONTAL FLOOR INSTALLATION PROVIDE FIRE DAMPER WITH SPRING LOADED DAMPER BLADES.
- 2. FASTEN ANGLES TO SLEEVE WITH POP-RIVETS, SCREWS OR WELDS AT 8-INCH ON CENTER, MINIMUM 2 PER SIDE, 4 SIDES OF OPENING ON BOTH SIDES OF DAMPER.
- 3. PROVIDE CLEARANCE BETWEEN DAMPER SLEEVE OR DAMPER AND THE FIRE—RATED WALL, PARTITION OR FLOOR IN ACCORDANCE WITH THE FIRE DAMPER MANUFACTURER. IF REQUIRED BY THE DAMPER MANUFACTURER, PROVIDE FIRESTOPPING IN THIS SPACE ON ALL SIDES TO MAINTAIN FIRE RATING.
- 4. USE FOR GALVANIZED SHEET METAL DUCT ONLY.
- 5. REFER TO PLANS FOR REQUIRED DAMPER RATING AT EACH LOCATION.

13 FIRE DAMPER DETAIL
MP501 NOT TO SCALE



- LINEAR DIFFUSER KEYNOTES
- A MANUFACTURER'S METAL BLANK-OFF, FIELD CUT TO LENGTH.
- B MINIMUM 12" LONG FIELD-FABRICATED SHEET METAL PLENUM WITH EXTERIOR INSULATION. HEIGHT AND WIDTH AS REQUIRED BY GRILLE MANUFACTURER.
- FOR VERTICAL SOFFIT FACE INSTALLATION. INSTALL WITH CENTERLINE AT ~9'-7-1/2" TO BE CENTERED IN VERTICAL FACE OF SOFFIT.
- D BALANCING CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST DIRECTION OF AIRFLOW FOR ADJUSTABLE SLOT DIFFUSER AS FOLLOWS: THE TOP TWO SLOTS SHALL BE DIRECTED HORIZONTALLY, PARALLEL TO THE CEILING; THE MIDDLE TWO SLOTS SHALL BE DIRECTED AT 30 DEGREES DOWN FROM THE HORIZONTAL, AND THE BOTTOM TWO SLOTS SHALL BE DIRECTED AT 60 DEGREES DOWN FROM THE HORIZONTAL.

14 LINEAR DIFFUSER/GRILLE DETAIL
MP501 NOT TO SCALE



	PLUMBING FIXTURE ROUGH-IN SCHEDULE									
UNIT NO	DESCRIPTION	WASTE	VENT	HW	CW	REMARKS	NOTES			
WC-1	WATER CLOSET	4"	2"	_	1"	WALL HUNG, ADA HEIGHT, MANUAL FLUSH VALVE	1			
L-1	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	WALL MOUNTED, ADA HEIGHT, BATTERY-POWERED AUTOMATIC FAUCET	1			
S-1	SINK	2"	1 1/2"	1/2"	1/2"	SS, UNDERMOUNT COUNTER TOP SINK, ADA, SINGLE BOWL, MANUAL LEVER FAUCET				
S-2	SINK	1 1/2"	1 1/2"	1/2"	1/2"	SS, DROP-IN COUNTER TOP SINK, ADA, SINGLE BOWL, MANUAL LEVER FAUCET				
FD-1	FLOOR DRAIN	2"	1 1/2"	_	_	SEE DRAIN SCHEDULE				
NFWH	WALL HYDRANT	_	_	_	1/2"	NON-FREEZE, KEY-OPERATED, SURFACE MOUNTED				

NOTES: 1. PROVIDE WITH FLOOR MOUNTED FIXTURE CARRIER.

					P	UMP :	SCHE	DUL	E				
UNIT NO	LOCATION	SERVES	TYPE	GPM	TOTAL	PUMP			TOR DA		SUCTION/	BASIS OF DESIGN	NOTES
					HEAD	EFF(%)	BHP	HP	RPM	VOLTS/PHASE	DISCHARGE (IN)		
SP-1	CONF RM	SINK S-2	SUMP	12	12	_	_	1/6	_	115/1	1.5 / 1.5	LIBERTY PUMPS MODEL 406	1
NOTES:	1. PACKAGED SUN OPERATION, AN					NDER SIN	IK INST	ALLAT	ON. PI	ROVIDE WITH IN	NTEGRAL LEVEL F	LOAT/SWITCH FOR AUTOMATIC	

		DRAIN S	CHEDUL	.E		
UNIT NO	TYPE	DESCRIPTION	PIPE SIZE	STRAINER DIMENSIONS	BASIS OF DESIGN	NOTES
FD-1	FLOOR DRAIN	SQUARE DRAIN FOR FINISHED SPACES	2"	6" x 6"	ZURN ZN415-S-P-CP	1,2
RD-1	ROOF DRAIN	STANDARD ROOF DRAIN	3"	15ø DOME	ZURN 100	
NOTES:		L AIN WITH TRAP PRIMER CONNECTION ON AIN WITH CHROME—PLATED FINISH ON ST		<u>I</u>	I	

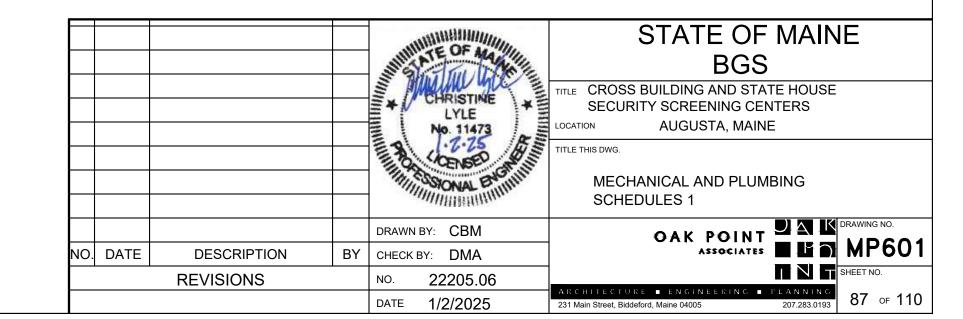
		TRAP F	PRIMER	VALVE S	CHED	ULE	
UNIT NO	LOCATION	MOUNTING	NO OF MANIFOLD OPENINGS	NO OF DESIGN CONNECTIONS	CONN SIZE	BASIS OF DESIGN	NOTES
TPV-1	PROP MGMT 127	PIPE, IN WALL	1	1	1/2"	PPP PRO1-ULP500	1
NOTES: 1	1. PROVIDE 8"x8" KEY—( PAINTING.	OPERATED, LOCKING,	ACCESS DO	OR FOR WALL	RECESSE	O INSTALLATION; PRIME FINISH FOR FIELD	

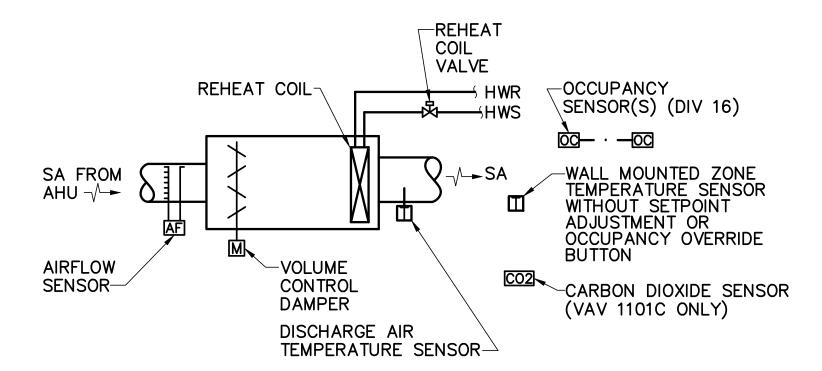
			D	IFFUSI	ER / R	REGISTER SCHEDULE		
UNIT NO	FACE SIZE IN	NECK SIZE IN	MAX PRESSURE DROP IN WC	MAX NOISE CRITERIA	CFM RANGE	TYPE	BASIS OF DESIGN	NOTES
S-1	24x24	6ø	0.10	25	0-100	LAY-IN SUPPLY DIFFUSER	PRICE SCD	1,2,3
S-2	24x24	8ø	0.10	25	101-240	LAY-IN SUPPLY DIFFUSER	PRICE SCD	1,2,3
S-3	24x24	10ø	0.10	25	241-410	LAY-IN SUPPLY DIFFUSER	PRICE SCD	1,2,3
S-4	5x48	8ø	0.10	25	150-200	LINEAR SLOT DIFFUSER W/ PLENUM	PRICE SDS/SDAI	2,8,9,10,11,12
S-5	13x60	13x60	0.10	25	515	LINEAR SLOT DIFFUSER ASSEMBLY	PRICE SDS	2,8,11,13,14
S-6	16x8	16x8	0.10	25	355	SUPPLY GRILLE	PRICE 520	2,3,4,5,16
R-1	24x12	6ø	0.10	25	0-110	PERFORATED FACE RETURN GRILLE	PRICE PDDR	1,2,3
R-2	24×24	8ø	0.10	25	111-250	PERFORATED FACE RETURN GRILLE	PRICE PDDR	1,2,3
R-3	24×24	10ø	0.10	25	251-410	PERFORATED FACE RETURN GRILLE	PRICE PDDR	1,2,3
R-4	13x48	10ø	0.10	25	465	LINEAR SLOT RETURN ASSEMBLY	PRICE SDR	2,8,11,13,15
R-5	16×10	16x10	0.10	25	355	RETURN GRILLE	PRICE 530	2,3,4,5,6
E-1	8x4	8x4	0.10	25	0-100	EXHAUST GRILLE	PRICE 530	2,3,4,5,6
E-2	22x10	22x10	0.10	25	450-650	EXHAUST REGISTER	PRICE 530D	2,3,4,5,6,7
T-1	6x6	6x6	0.10	25	0-100	TRANSFER GRILLE	PRICE 530	2,3,4,5,6
T-2	16×10	16x10	0.10	25	150-450	TRANSFER GRILLE	PRICE 530	2,3,4,5,6
T-3	24x24	12ø	0.10	25	411-600	PERFORATED FACE TRANSFER GRILLE	PRICE PDDR	1,2,3

- 1. LAY-IN FOR T-BAR CEILING.
- 2. BAKED WHITE ENAMEL FINISH.
- 3. STEEL CONSTRUCTION.
- 4. PROVIDE TRANSITION FROM DUCTWORK TO GRILLE.
- 5. BLADES PARALLEL TO LONG DIMENSION. 6. SINGLE DEFLECTION, 3/4" SPACING, 45° DEFLECTION
- 7. PROVIDE WITH INTEGRAL OPPOSED BLADE DAMPER.
- 8. ALUMINUM CONSTRUCTION.
- 9. FREELY SUSPENDED MOUNTING IN ARCHITECTURAL WOOD SLAT CEILING.
- 10. PROVIDE WITH MFR'S INSULATED PLENUM WITH SLOPED SHOULDERS.
- 11. PROVIDE WITH MITERED END FLANGE FOR EXPOSED FLANGE INSTALLATION.
- 12. 2-SLOT AT 1" WIDE WITH ICE TONG PATTERN CONTROLLERS.
- 13. S-5 AND R-4 ARE PART OF COMMON CONTINUOUS SLOTTED FACE ASSEMBLY, 12' LONG. PROVIDE METAL BLANK OFF COVER FOR NON-ACTIVE SECTION. REFER TO DETAIL 14/MP501.
- 14. 6-SLOT AT 1" WIDE WITH ICE TONG PATTERN CONTROLLERS. 15. 6-SLOT AT 1" WIDE WITH NO PATTERN CONTROLLERS.
- 16. DOUBLE DEFLECTION, 3/4" SPACING.

			VAV	TERM	INAL UN	TS SCH	HED	ULE	•					
LINUT	PRIMARY CFM				APD @ MAX			НС	T WATER C	OIL			WEIGHT	
UNIT NO	SERVES	MAX	MIN	SIZE IN APD @ MAX L SIZE IN AIRFLOW IN WC		DESIGN CFM	EWT	LWT *F	GPM	EAT F	LAT *F	MBH	WEIGHT LBS	NOTES
VAV 1101A	SP EXTERIOR OFFICES	445	135	8ø	0.13	135	180	150	0.5	55	95	5.7	28	
VAV 1101B	SP ADMIN SPACES	440	130	8ø	0.13	130	180	150	0.5	55	95	5.5	28	
VAV 1101C	SP CONF ROOM	325	110	6ø	0.19	110	180	150	0.5	55	95	4.6	26	1
VAV 4707	TELE CLOSET 718	355	100	6ø	0.11	_	_	_	_	_	_	_	21	
VAV 6101(E)	PROP MGMT OFFICE	610(N)/ 700(E)	185(N)/ 300(E)	8ø	_	185(N)/ 500(E)	180	150	<b>0.5(N)/</b> 1.0(E)	55	95	<b>6.9(N)/</b> 19.6(E)	_	2
VAV 6102	SCREENING EXTERIOR	610	180	8ø	0.21	180	180	150	0.5	55	95	7.7	28	
VAV 6103	SCREENING INTERIOR	690	245	8ø	0.26	245	180	150	0.5	55	95	10.5	28	
VAV 6104	SECURITY VESTIBULES	740	220	10ø	0.25	550	180	150	1.0	55	98	25.8	42	

- 1. ZONE PROVIDED WITH CO2 CONTROL. REFER TO CONTROL DIAGRAM 1/M-701 OR 2/M-701. 2. EXISTING TERMINAL TO REMAIN. PROVIDE AIR AND WATER BALANCE ÁT COMPLETION OF
- CEILING WORK. GENERAL NOTES:
- A. SELECTION BASED TRANE VCWF; INLET SIZES SHOWN ON PLANS ARE BASED ON THIS MFR. VARIATIONS IN INLET AND FAN SIZES WHICH PROVIDE COMPARABLE PERFORMANCE ARE ACCEPTABLE.
- B. UNLESS NOTED OTHERWISE, VAV TERMINALS PROVIDED SHALL HAVE A MAXIMUM NOISE CRITERIA OF 35.





OCCUPANCY MODES
THE VAV ZONE SHALL OPERATE IN ONE OF THE THREE FOLLOWING MODES:

ZONE OCCUPIED — THE VAV SHALL BE IN THE ZONE OCCUPIED MODE WHEN ITS EXISTING ASSOCIATED AHU IS IN THE OCCUPIED MODE AND THE ZONE OCCUPANCY SENSOR(S) INDICATES THAT THE ZONE IS OCCUPIED. OCCUPIED SIGNAL FROM ANY ONE OCCUPANCY SENSOR WITHIN A ZONE SHALL ENABLE THE OCCUPIED MODE. THE VAV BOX SHALL REMAIN IN THE ZONE OCCUPIED MODE FOR A MINIMUM OF 1 HOUR (ADJUSTABLE) AFTER THE ZONE OCCUPIED MODE IS STARTED.

ZONE OCCUPIED/VACANT — THE VAV SHALL BE IN THE ZONE OCCUPIED/VACANT MODE WHEN ITS EXISTING ASSOCIATED AHU IS IN THE OCCUPIED MODE AND THE ZONE OCCUPANCY SENSOR(S) INDICATES THAT ALL SPACES IN THE THE ZONE HAVE BEEN VACANT FOR 15 MINUTES (ADJUSTABLE).

ZONE UNOCCUPIED — THE VAV SHALL BE IN THE ZONE UNOCCUPIED MODE WHEN ITS EXISTING ASSOCIATED AHU IS IN THE UNOCCUPIED MODE, REGARDLESS OF THE ZONE OCCUPANCY SENSOR(S) INDICATION.

#### ZONE OCCUPIED MODE

THE VAV BOX SHALL MODULATE THE SUPPLY AIR VOLUME DAMPER TO MAINTAIN THE SUPPLY AIRFLOW SET POINT. THE ZONE TEMPERATURE SENSOR SHALL RESET THE SUPPLY AIRFLOW SET POINT. AS THE ZONE TEMPERATURE RISES ABOVE THE ZONE OCCUPIED COOLING SET POINT (75°F ADJUSTABLE) THE SUPPLY AIR FLOW SET POINT SHALL INCREASE. THE SUPPLY AIR FLOW SET POINT SHALL DECREASE AS THE ZONE TEMPERATURE FALLS BELOW THE ZONE OCCUPIED COOLING SET POINT. AS THE ZONE TEMPERATURE FALLS BELOW THE ZONE OCCUPIED HEATING SET POINT (68°F ADJUSTABLE) THE AIR FLOW SET POINT SHALL BE AT MINIMUM, AND THEN THE REHEAT VALVE SHALL MODULATE TO MAINTAIN THE ZONE OCCUPIED HEATING SET POINT. THE VAV BOX SHALL MAINTAIN AIRFLOW BETWEEN THE MINIMUM AND MAXIMUM AIRFLOW SETTINGS SPECIFIED.

DEMAND VENTILATION CONTROL (WHERE CO2 SENSOR IS INDICATED ON PLANS) IF THE ROOM CO2 LEVEL RISES TO A LEVEL OF 750 PPM, THE VAV BOX AIRFLOW MINIMUM SETPOINT SHALL MODULATE (BETWEEN SCHEDULED MINIMUM AND MAXIMUM AIRFLOWS) TO MAINTAIN THE CO2 LEVEL IN THE ROOM AT LESS THAN A LEVEL OF 775 PPM, AND THE REHEAT COIL VALVE SHALL MODULATE AS REQUIRED TO MAINTAIN THE TEMPERATURE SET POINTS. MODULATION OF THE REHEAT COIL VALVE SHALL REQUIRE THE STARTING OF THE BOILERS AND THE HEATING HOT WATER PUMPS IF THIS SYSTEM IS NOT ALREADY ENABLED. IF THE VAV BOX AIRFLOW SETTING REACHES THE MAXIMUM SETPOINT AND THE ROOM CO2 LEVEL RISES TO A LEVEL OF 800 PPM, SIGNAL THE ASSOCIATED AIR HANDLER TO INCREASE THE OUTSIDE AIR SUPPLIED TO THE ASSOCIATED AIR HANDLING UNIT SYSTEM.

#### ZONE OCCUPIED/VACANT MODE

IN THE ZONE OCCUPIED/VACANT MODE, THE VAV BOX SHALL OPERATE AS DESCRIBED ABOVE TO MAINTAIN ZONE OCCUPIED/VACANT SETBACK TEMPERATURES OF 78°F COOLING (ADJUSTABLE) AND 66°F HEATING (ADJUSTABLE).

#### ZONE UNOCCUPIED MODE

IN THE ZONE UNOCCUPIED MODE, THE VAV BOX SHALL OPERATE AS DESCRIBED ABOVE TO MAINTAIN UNOCCUPIED SETBACK TEMPERATURES OF 80°F COOLING (ADJUSTABLE) AND 65°F HEATING (ADJUSTABLE).

IF THE ZONE OCCUPANCY OVERRIDE BUTTON IS PRESSED, THE VAV BOX SHALL ENTER THE OCCUPIED MODE FOR 2 HOURS (ADJUSTABLE).

`											
VAV BOX WITH REHE	A <sup>-</sup>	Γ	F	0	11(	V٦	ΓS	5	L	.IS	Т
SYSTEM POINT DESCRIPTION	GRAPHIC	ANALOG INPUT			BINARY OUTPUT	ALARM	3 VARIABI	BINARY VARIABLE	_		NOTES
ZONE TEMPERATURE	х	x				х			х		1
OCCUPANCY SENSOR SWITCH	х			x					х		3
ZONE OCCUPIED HEATING SETPOINT	X						х		х		
ZONE OCCUPIED COOLING SETPOINT	X						x		х		
ZONE OCC/STANDBY HEATING SETPOINT	х						x		х		
ZONE OCC/STANDBY COOLING SETPOINT	X						x		х		
ZONE UNOCC HEATING SETPOINT	X						х		х		
ZONE UNOCC COOLING SETPOINT	х						x		x		
REHEAT COIL VALVE (MODULATING)	х		х						х		
AIR FLOW (CFM)	х	×				х			х		2
DAMPER POSITION	х		х						х		
CO2 SENSOR	х	х				х			х	$\perp$	4,5
DISCHARGE AIR TEMPERATURE SENSOR	х	х				х			х		

#### NOTES:

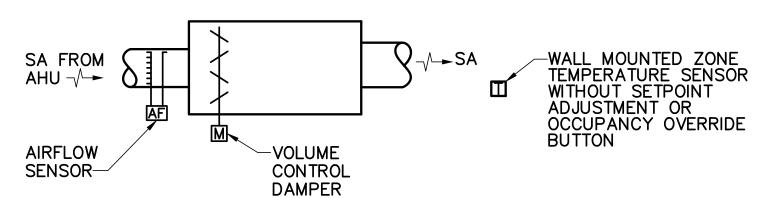
- 1. GENERATE ALARM AT THE BCC IF ZONE TEMPERATURE IS GREATER
  THAN 3°F ABOVE THE COOLING SETPOINT OR LOWER THAN 3°F BELOW
  THE HEATING SETPOINT FOR MORE THAN 10 MINUTES.

  2. GENERATE ALARM AT THE BCC IF AIRFLOW IS NOT BETWEEN MINIMUM
- GENERATE ALARM AT THE BCC IF AIRFLOW IS NOT BETWEEN MINIMUM AND THE MAXIMUM AIRFLOW SETTINGS FOR MORE THAN 10 MINUTES.
   OCCUPANCY SENSOR(S) PROVIDED UNDER DIVISION 26. INTERLOCK
- DDC SYSTEM WITH AUXILIARY CONTACT IN EACH OCCUPANCY SENSOR LOCATED WITHIN THE VAV BOX ZONE.

  4. GENERATE ALARM AT THE BCC IF ROOM CO2 LEVEL IS GREATER THAN
- 810 PPM.
  5 PROVIDE FOR VAV. 11010

5. PROVIDE FOR VAV 1101C.

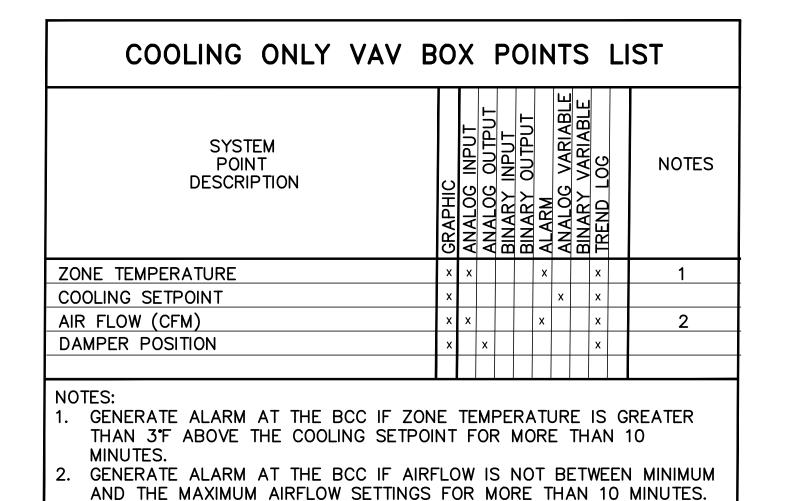
1 VAV BOX WITH REHEAT CONTROL DIAGRAM
M-701 NOT TO SCALE



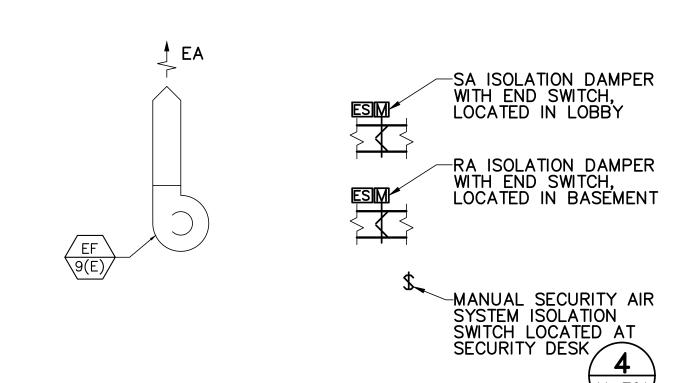
OCCUPANCY SCHEDULE
ZONE SHALL BE IN THE OCCUPIED MODE 24 HOURS PER DAY, 7 DAYS PER WEEK

#### OCCUPIED MODE

THE VAV BOX SHALL MODULATE THE SUPPLY AIR VOLUME DAMPER TO MAINTAIN THE SUPPLY AIRFLOW SET POINT. THE ZONE TEMPERATURE SENSOR SHALL RESET THE SUPPLY AIRFLOW SET POINT. AS THE ZONE TEMPERATURE RISES ABOVE THE ZONE COOLING SET POINT (75°F ADJUSTABLE) THE SUPPLY AIR FLOW SET POINT SHALL INCREASE. THE SUPPLY AIR FLOW SET POINT SHALL DECREASE AS THE ZONE TEMPERATURE FALLS BELOW COOLING SET POINT



2 COOLING ONLY VAV BOX CONTROL DIAGRAM
M-701 NOT TO SCALE



SECURITY AIR SYSTEM ISOLATION
IN THE EVENT THAT THE SECURITY AIR SYSTEM ISOLATION SWITCH IS ACTIVATED THE NORMALLY OPEN SUPPLY AIR AND RETURN AIR ISOLATION DAMPERS SHALL CLOSE TO ISOLATE THE SPACE, EXISTING EXHAUST FAN EF-9 WHICH SERVES THE AREA SHALL STOP, AND AN ALARM SHALL BE GENERATED AT THE GUI. THE DAMPERS SHALL REMAIN CLOSED UNTIL THE SWITCH IS MANUALLY RELEASED.

SYSTEM POINT DESCRIPTION	GRAPHIC	ANALOG INPUT	ANALOG OUTPUT	BINARY INPUT	BINARY OUTPUT	ALARM	NALOG VARIABL	BINARY VARIABLE	TREND LOG	NOTES
SA ISOLATION DAMPER W/ END SWITCH	×			х	х				x	1
RA ISOLATION DAMPER W/ END SWITCH	х			х	х				x	1
MANUAL ISOLATION SWITCH	х			х		х			х	1,2

2. GENERATE ALARM AT BCC IF MANUAL ISOLATION SWITCH HAS BEEN ENGAGED.

3 SECURITY ISOLATION CONTROL DIAGRAM

LIFT HERE

MH102 M-701 NOT TO SCALE

SWITCH BASIS—OF—DESIGN: STI SERIES 2000 STOPPER STATION, OR APPROVED EQUAL. BUTTON AND SHELL SHALL BE RED. BUTTON SHALL BE OCTAGONAL, PUSH TO ACTIVATE, PULL TO RESET TYPE. BUTTON SHALL BE UL LISTED. PROVIDE PROTECTION COVER, STI MINI STOPPER II COVER WITHOUT HORN OR APPROVED EQUAL. THE BUTTON SWITCH SHALL HAVE 2 SETS OF FORM "C" CONTACTS RATED AT 10 A, 125/250 VAC, 1/2 HP, 30 VDC, 6 A. THE SHELL SHALL BE LABELED "SECURITY ISOLATION SWITCH", AND THE PROTECTIVE COVER MUST BE LABELED "SECURITY AIR SYSTEM ISOLATION: LIFT COVER PUSH BUTTON".

TRANSPARENT COVER WITH SPRING LOADED HINGE

4 SECURITY ISOLATION SWITCH DETAIL
M-701 NOT TO SCALE

# CONTROL SYSTEM GENERAL NOTES (ALL CONTROL DRAWINGS) 1. THE DDC SYSTEM SHALL CONSIST OF A HIGH-SPEED, PEER-TO-PEER

- THE DDC SYSTEM SHALL CONSIST OF A HIGH-SPEED, PEER-TO-PEER NETWORK OF DDC CONTROLLERS, AN EXISTING CONTROL SYSTEM SERVER, AND AN EXISTING, REMOTE, WEB-BASED OPERATOR INTERFACE. DDC SYSTEM IS FOR MONITORING AND CONTROLLING VARIOUS HVAC SYSTEMS. THE CONTROL SYSTEM SHALL BE SEAMLESSLY INTEGRATED WITH THE STATE OF MAINE BUILDING CONTROL CENTER (BCC) WHICH PROVIDES 24 HOURS A DAY, 7 DAYS A WEEK, 365 DAYS A YEAR MONITORING OF STATE FACILITIES. THE HVAC CONTROLS SHALL BE AN EXTENSION OF THE EXISTING HONEYWELL ENTERPRISE BUILDING INTEGRATOR (EBI) WITH HOST SERVER HARDWARE LOCATED IN AUGUSTA MAINE. THE BUILDING AUTOMATION SYSTEM (BAS) SHALL ENABLE MONITORING AND CONTROL OF MECHANICAL SYSTEMS INSTALLED UNDER THE SCOPE OF THIS PROJECT THROUGH TO THE BCC. INTEGRATION OF HVAC SYSTEM, PANELS, ASSOCIATED DEVICES, FRONT-END PROGRAMMING, AND GRAPHICS IS PROPRIETARY TO HONEYWELL INTERNATIONAL INC.
- 2. CONTROL CONTRACTOR IS RESPONSIBLE TO ENGAGE OWNER'S CONTROL SYSTEM INTEGRATOR (HONEYWELL ENTERPRISE BUILDING
- INTEGRATOR) TO PROVIDE THE FOLLOWING SERVICES:
  2.1. ENTERPRISE SYSTEM EXPANSION AND DEVELOPMENT OF GRAPHICS, LOGS, REPORTS, TRENDS, AND OTHER OPERATIONAL CAPABILITIES OF ENTERPRISE SYSTEM FOR INPUT/OUTPUT BEING ADDED TO DDC CONTROL SYSTEM FOR USE BY ENTERPRISE SYSTEM OPERATORS. LIMITED ASSISTANCE WITH COMMISSIONING TO EXTENT OF DDC
- SYSTEM INTEGRATION WITH EXISTING ENTERPRISE SYSTEM.

  2.2. PREPARE ON—SITE DEMONSTRATION MOCKUP OF INTEGRATION OF DDC SYSTEM TO BE INSTALLED BEFORE INSTALLING DDC SYSTEM.

  2.3. INTEGRATE DDC SYSTEM MODIFICATIONS WITH THE EXISTING STATE
- OF MAINE FORGE ANALYTICS PROGRAM.

  2.4. INTEGRATE DDC SYSTEM MODIFICATIONS WITH THE EXISTING STATE
- OF MAINE COMMAND & CONTROL SUITE MODEL.

  EXISTING BUILDING DDC SYSTEM IS BY HONEYWELL. PROVIDE TERMINAL UNIT CONTROLLERS COMPATIBLE WITH AND AS AN EXTENSION OF THE EXISTING DDC SYSTEM. LINK VAV CONTROLLERS
- WITH THEIR EXISTING ASSOCIATED AHU THROUGH THE DDC SYSTEM.
  THE FIRST DIGIT OF THE VAV BOX NUMBER IS THE ASSOCIATED AHU.

  4. AT THE EXISTING REMOTE BCC, REMOVE GRAPHICS AND PROGRAMMING FOR EQUIPMENT REMOVED UNDER THIS CONTRACT. ADD GRAPHICS
- AND PROGRAMMING FOR EQUIPMENT PROVIDED.

  5. ALARMS MUST BE ANNUNCIATED ON THE EXISTING BUILDING CONTROL
- CENTER INTERFACE (BCC).

  6. ALL ANALOG ALARMS AND SETPOINTS MUST BE ADJUSTABLE BY THE

BUILDING OPERATORS THROUGH POINT-AND-CLICK ICONS ON THE

- EXISTING BCC WITHOUT THE NEED TO CHANGE OR EDIT PROGRAMMING
   SETTINGS AND MODES THAT ARE INDICATED AS BEING ADJUSTABLE, MUST BE ADJUSTABLE BY THE BUILDING OPERATORS THROUGH
- TO CHANGE OR EDIT PROGRAMMING.

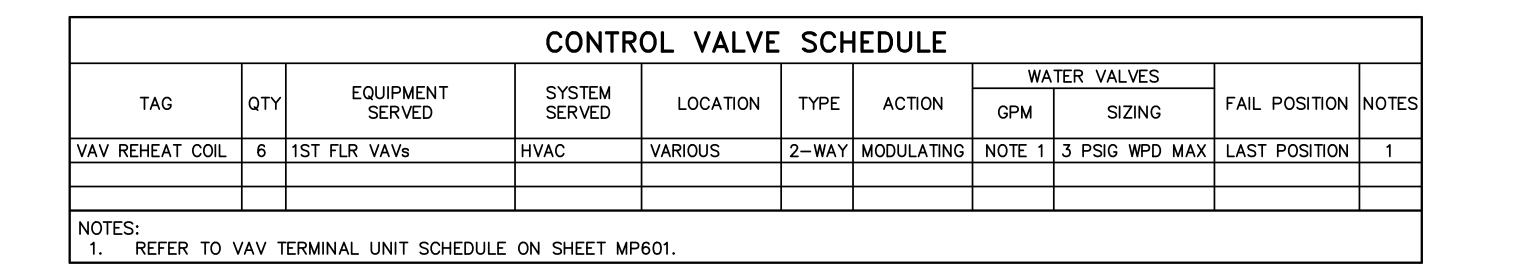
  8. ANALOG DATA MUST BE TRENDED AT REGULAR INTERVALS,
  DETERMINED BY THE EXPECTED RATE OF CHANGE OF THE DATA, AND

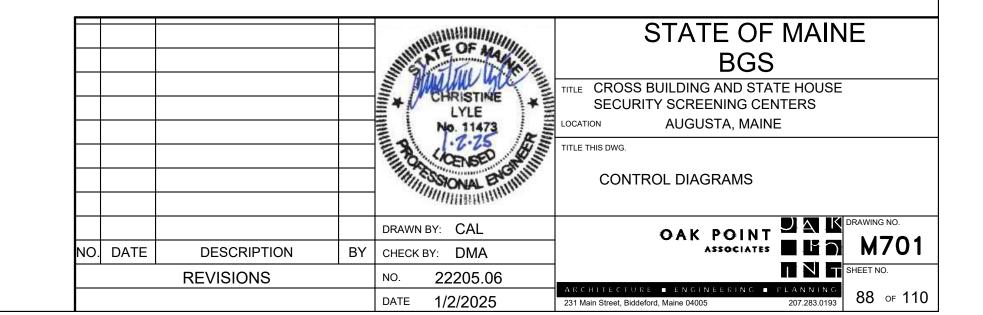
POINT-AND-CLICK ICONS ON THE EXISTING BCC WITHOUT THE NEED

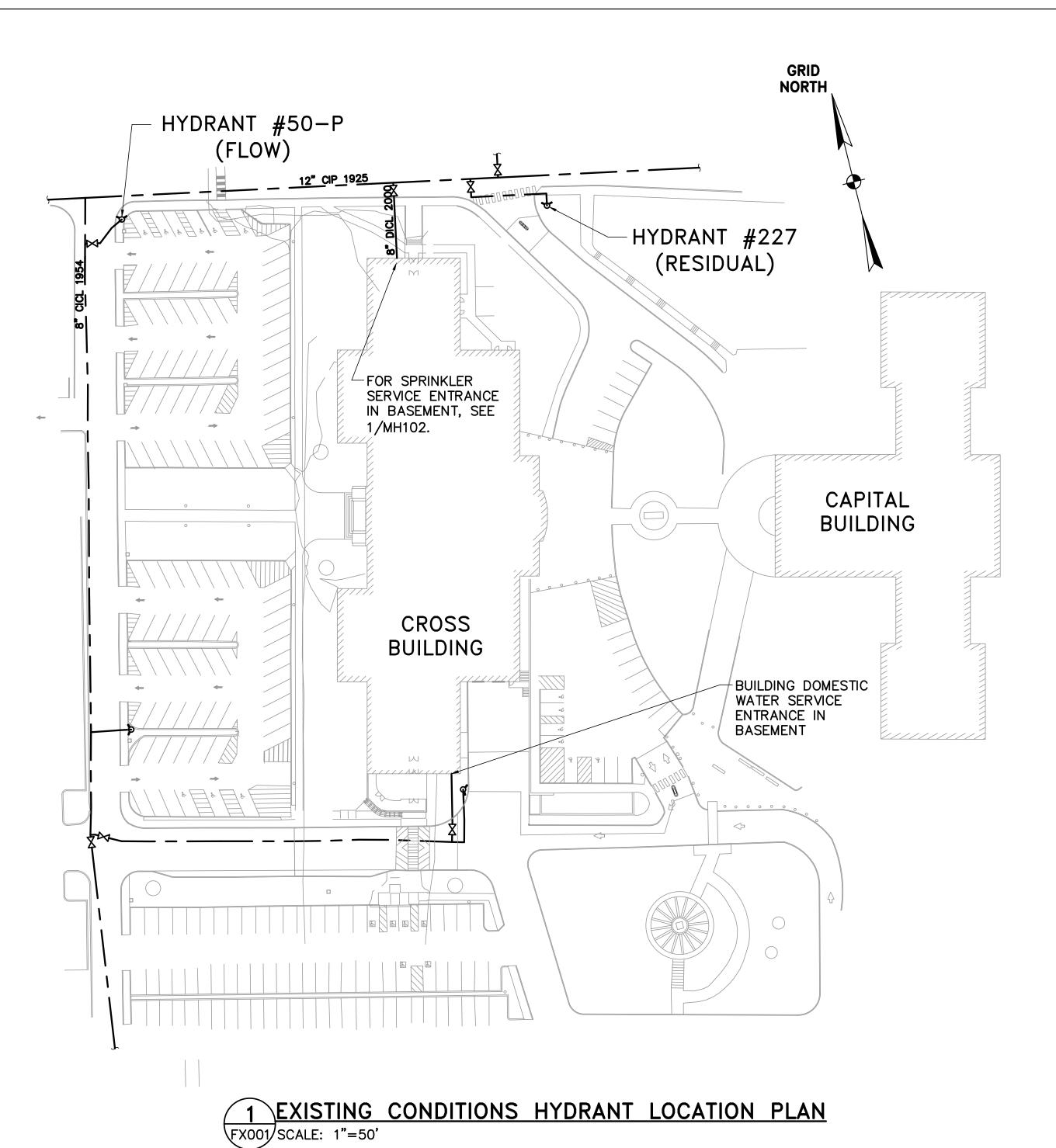
9. BINARY DATA MUST BE TRENDED ON A CHANGE OF STATE BASIS AND MUST BE ARCHIVED AND STORED ON THE BCC COMPUTER.

MUST BE ARCHIVED AND STORED ON THE BCC COMPUTER.

- 10. PROVIDE LOCAL CONTROL UNITS AS REQUIRED TO CONTROL VAV BOXES OR OTHER TERMINAL EQUIPMENT IN ZONES VENTILATED BY CENTRAL EQUIPMENT.
- 11. COORDINATE WITH AND FOLLOW OWNER'S POINT NAMING STRUCTURE FOR DDC SYSTEM.
- 12. PROVIDE POINT—TO—POINT VERIFICATION OF ALL PROVIDED HVAC EQUIPMENT, LOCATION, VALVE OPERATIONS, SENSOR READINGS, NIGHT SETBACKS, AND DAMPER CONTROLS. DOCUMENT AND SUBMIT VERIFICATION REPORT.
- 13. COORDINATE WITH OTHER TRADES TO PERFORM TAB AND SYSTEM CHECKOUT AND TESTING WORK AT THE END OF THE PROJECT.







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#### HYDRANT FLOW TEST DATA

HYDRANT FLOW DATA FOR EXISTING CONDITIONS AS FOLLOWS:

DATE OF TEST: 11 APRIL 2024 TIME OF TEST: 0815

STATIC PRESSURE: 86 PSI AT HYDRANT #227
FLOW TEST: RESIDUAL PRESSURE OF 78 PSI AT HYDRANT #227 WITH
A FLOW OF 1248 GPM AT HYDRANT #50-P

HYDRANT #50-P ELEVATION: 130.81'
HYDRANT #227 ELEVATION: 129.43'

FOR HYDRANT LOCATIONS SEE HYDRANT LOCATION PLAN, THIS SHEET.

#### SPRINKLER LINE TYPE LEGEND

REMOVE ITEMS

EXIST ITEMS TO REMAIN

PROVIDE ITEMS

PROVIDE ITEMS

SPRINKLER MAIN

FIRE DEPARTMENT
CONNECTION LINE

DOMESTIC WATER SUPPLY

#### SPRINKLER SYMBOLS LEGEND

#### **ANNOTATION**

♦ 1 KEY NOTE

CONNECT TO EXISTING

#### PIPING & VALVES

PIPE TEE UP OR UP AND DOWN

- ELBOW DOWN

---- ELBOW UP OR UP AND DOWN

── PIPE TEE DOWN

<del>──'></del> STRAINER

———— BALL VALVE

——

GATE VALVE

—── CHECK VALVE, SWING

CAP

—

───── TEST AND DRAIN VALVE

# EQUIPMENT & SPECIALTIES

VALVE WITH TAMPER SWITCH

⊗ RISER

● CONCEALED PENDANT SPRINKLER

PENDANT SPRINKLER

**SPRINKLER** 

O UPRIGHT SPRINKLER

# SPRINKLER ABBREVIATIONS

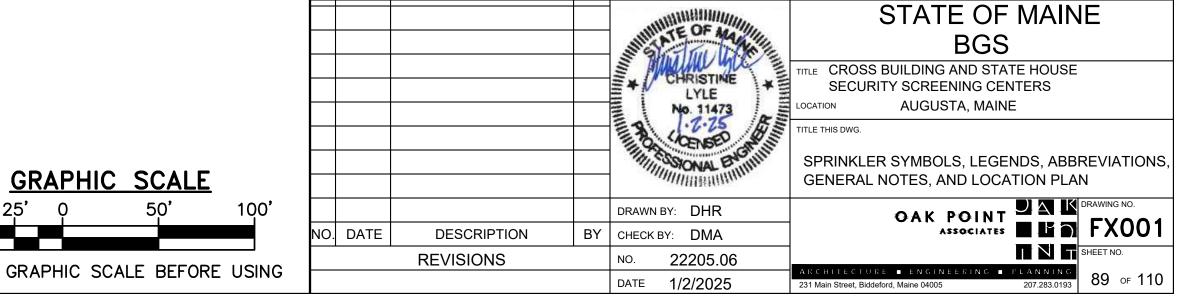
AHJ AUTHORITY HAVING JURISDICTION
NFPA NATIONAL FIRE PROTECTION ASSOCIATION
FM FACTORY MUTUAL
UNDERWRITERS LABORATORY

#### FIRE SUPPRESSION GENERAL NOTES

- 1. REMOVE PORTIONS OF THE WET-PIPE SPRINKLER SYSTEM INDICATED IN PROJECT SCOPE OF WORK AREA. SYSTEM SHOWN HAS BEEN DEVELOPED FROM FIELD OBSERVATIONS AND RECORD INSTALLATION DRAWINGS FROM 1999. FOR BIDDING PURPOSES, ASSUME THE SYSTEM PROVIDES FULL NFPA 13 COVERAGE.
- 2. DESIGN AND PROVIDE THE CROSS STATE BUILDING WITH MODIFICATIONS TO THE EXISTING WET-PIPE SPRINKLER SYSTEM FOR FULL SPRINKLER COVERAGE THROUGHOUT THE WORK AREA. DESIGN AND PROVIDE IN ACCORDANCE WITH THE PRESCRIPTIVE REQUIREMENTS OF NFPA 13, CURRENTLY ADOPTED EDITIONS.
- SPRINKLER SYSTEM INSTALLATION DRAWINGS FROM 1999 ARE AVAILABLE FROM THE OWNER UPON REQUEST TO ASSIST IN REQUIRED SPRINKLER SYSTEM CALCULATIONS.
- WHERE SYSTEM INTERRUPTIONS ARE REQUIRED AND APPROVED BY THE AHJ, DO NOT INTERRUPT EXISTING SYSTEM COVERAGE WITHOUT WRITTEN PERMISSION FROM THE OWNER. PROVIDE WRITTEN NOTIFICATION OF INTENT TO INTERRUPT THE SPRINKLER SYSTEM 14 DAYS PRIOR TO COMMENCEMENT OF WORK. THE IMPAIRMENT MUST COMPLY WITH NFPA 241 AND CITY OF AUGUSTA REQUIREMENTS, AND THE APPROVED FIRE SAFETY PROGRAM PREPARED BY THE CONTRACTOR. THE SYSTEM MUST BE LEFT OPERATIONAL AT THE END OF EACH WORKDAY UNLESS OTHERWISE APPROVED BY THE AHJ, AND THE RESPONDING FIRE DEPARTMENT
- 5. FIRE PROTECTION DURING CONSTRUCTION MUST COMPLY NFPA 241, AND CITY OF AUGUSTA REQUIREMENTS.
- PERFORM HYDRANT FLOW TESTING IN ACCORDANCE WITH NFPA 291 OR OBTAIN UPDATED HYDRANT FLOW TESTING RESULTS FROM THE WATER DEPARTMENT TO CONFIRM DESIGN CONDITIONS, AND BASE CALCULATIONS ON THE RESULT OF THE LOWEST SUPPLY BETWEEN THE TESTING INDICATED IN CONTRACT DOCUMENTS AND THE UPDATED FLOW TESTING.
- SPRINKLERS MUST BE RECESSED WHITE PENDANT AND UPRIGHT BRONZE TYPE UNLESS NOTED OTHERWISE. PROVIDE QUICK RESPONSE SPRINKLERS WHERE REQUIRED AND/OR PERMITTED BY NEPA 13
- 8. PIPING MUST BE CONCEALED ABOVE SUSPENDED CEILINGS WHERE SUSPENDED CEILINGS ARE PRESENT OR TO BE PROVIDED. PIPING MUST BE RUN IN A UNIFORM AND CONSISTENT PATTERN, LOCATED PARALLEL AND/OR PERPENDICULAR TO BUILDING FRAMING AND TO MAXIMIZE HEADROOM. WHERE CLEARANCE IS AVAILABLE, PIPING MUST BE LOCATED AT LEAST 12 INCHES ABOVE CEILING TILES TO ENABLE ACCESS ABOVE THE CEILING. COORDINATE FINAL ROUTING WITH OTHER TRADES, CONSTRUCTION, EQUIPMENT, AND UTILITIES.
- OORDINATE ROUTING OF SPRINKLER PIPING AND LOCATION OF SPRINKLERS WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL TRADES; EXISTING—TO—REMAIN CONSTRUCTION AND UTILITIES, AND STRUCTURAL MODIFICATIONS. SPRINKLER LAYOUT AND PIPING MODIFICATIONS MUST BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER TO MEET REQUIREMENTS OF NFPA 13.
- 10. SEE ARCHITECTURAL FLOOR PLANS AND WALL TYPES, ARCHITECTURAL REFLECTED CEILING PLANS, STRUCTURAL PLANS, PLUMBING PLANS, FIRE ALARM PLANS, ELECTRICAL POWER AND LIGHTING PLANS, AND MECHANICAL DUCTWORK AND PIPING PLANS FOR STRUCTURAL COMPONENTS, LOCATIONS OF EXPOSED STRUCTURE, WALL LOCATIONS, WALL HEIGHT, WALL TYPES, CEILING HEIGHTS, CEILING TYPES, CEILING FEATURES, SOFFIT LOCATIONS, AND UTILITIES. COORDINATE WITH THIS WORK FOR SPRINKLER TYPES. ROUTING OF SPRINKLER PIPING, POSSIBLE OBSTRUCTIONS, AND TO PREVENT INTERFERENCES. CLEARANCES TO AVOID OBSTRUCTIONS MUST COMPLY WITH NFPA 13. PROVIDE SPRINKLERS ON BOTH SIDES OF OR BELOW OBSTRUCTIONS WHERE REQUIRED. POSSIBLE OBSTRUCTIONS INCLUDE, BUT ARE NOT LIMITED TO PIPING, DUCTWORK, EXPOSED FRAMING, SURFACE MOUNTED LIGHTING, AND SUSPENDED LIGHTING. SPRINKLER PIPING MUST NOT BE ROUTED THROUGH ELECTRICAL, IT, NETWORK. OR SIMILAR ROOMS. SPRINKLER PIPING MUST NOT BE INSTALLED ABOVE ELECTRICAL AND FIRE ALARM PANELS AND PANELBOARDS AND THEIR DEDICATED WORKING CLEARANCES. LOCATE PIPING AND SPRINKLERS IN A CONSISTENT AND UNIFORM PATTERN WITH SPRINKLERS CENTERED IN CEILING TILES WHERE TILES ARE PRESENT OR TO BE PROVIDED.
- 11. THE SEISMIC DESIGN CATEGORY IS B AND THEREFORE SEISMIC BRACING AND RESTRAINT ARE NOT REQUIRED FOR LIFE—SAFETY COMPONENTS.
- 12. PROVIDE HANGERS AND SUPPORTS FOR SYSTEMS, INCLUDING PIPING, DEVICES, AND COMPONENTS, IN ACCORDANCE WITH NFPA 13. WHERE NFPA CODES DO NOT OFFER SPECIFIC GUIDANCE, PROVIDE IN ACCORDANCE WITH STRUCTURAL REQUIREMENTS IN APPLICABLE CODES. SYSTEM MUST BE SUPPORTED FROM THE BUILDING STRUCTURE. COORDINATE FIRST FLOOR HANGER LOCATIONS WITH EXISTING SECOND FLOOR, FLOOR RECESSED ELECTRICAL WALKERDUCT INSTALLATION. REFER TO SHEETS AE101 AND AE102 FOR APPROXIMATE LOCATIONS OF WALKERDUCT EAST OF COLUMN LINE C.
- 13. PROVIDE WALL, CEILING, AND FLOOR MODIFICATIONS TO ALLOW FOR WORK. RESTORE FINISHES TO MATCH ADJACENT SURFACES AND RE-ESTABLISH FIRE AND/OR SMOKE RESISTANCE RATINGS.
- 14. SEE CODE REVIEW PLANS ON "G" SHEETS FOR LOCATIONS OF FIRE AND/OR SMOKE RATED WALLS, PARTITIONS, AND HORIZONTAL ASSEMBLIES. REFER TO ARCHITECTURAL SHEET AE001 FOR DETAILS OF PENETRATIONS THROUGH RATED CONSTRUCTION. COORDINATE PENETRATIONS OF RATED CONSTRUCTION WITH FIRESTOPPING INSTALLER.
- 15. PROVIDE SPARE SPRINKLERS AND WRENCHES IN ACCORDANCE WITH NFPA 13 IN THE SPRINKLER CABINETS. PROVIDE A LIST OF SPRINKLERS INSTALLED UNDER THIS PROJECT IN ACCORDANCE WITH NFPA 13.
- 16. DO NOT CONCEAL ITEMS PRIOR TO INSPECTION AND ACCEPTANCE BY OWNER.

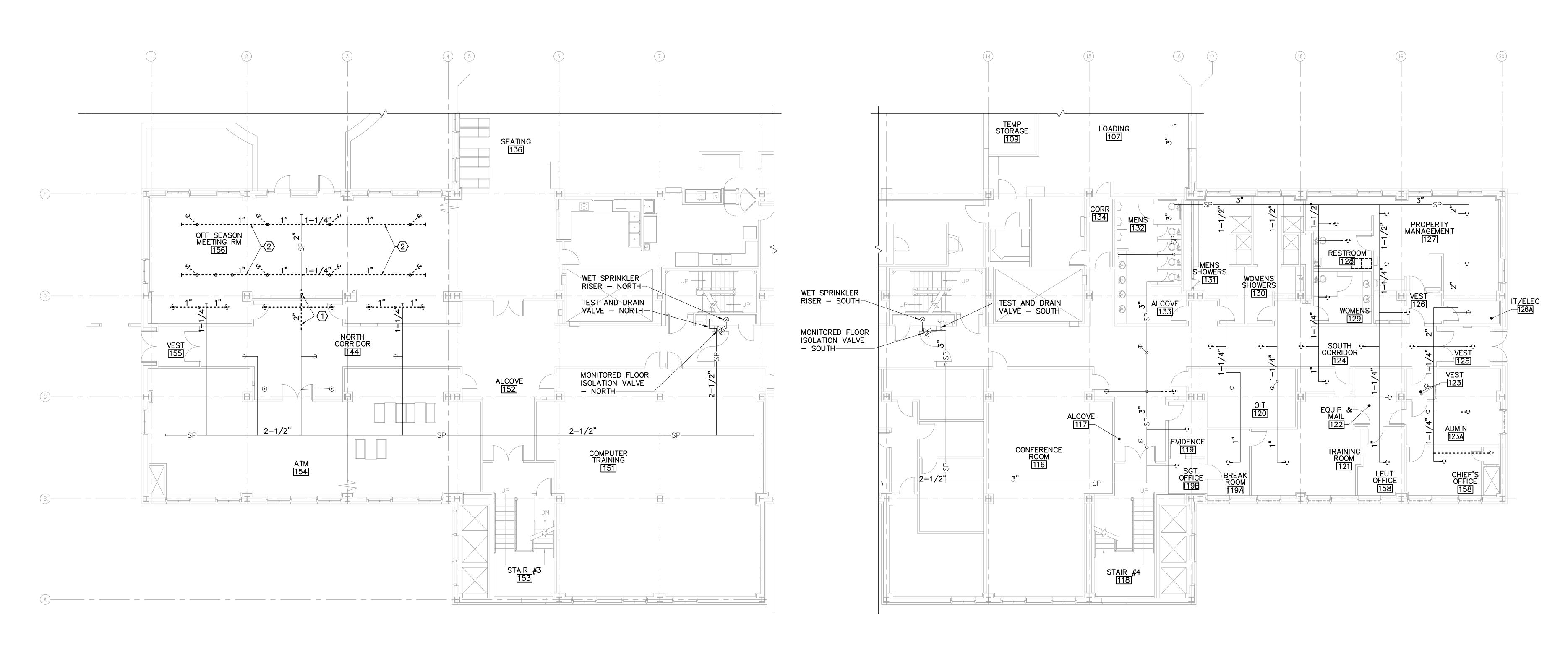
#### IDENTIFICATION SIGNS, PAINTING, AND MARKING

- . CLEAN, PRETREAT, AND PRIME SPRINKLER SYSTEM INCLUDING VALVES, PIPING, AND ACCESSORIES. DO NOT PAINT ELEMENTS OR COMPONENTS THAT WOULD INTERFERE WITH THEIR OPERATION OR LISTING. REMOVE MANUFACTURER STICKERS PRIOR TO PAINTING.
- 2. DO NOT PAINT SPRINKLERS. REMOVE AND REPLACE SPRINKLERS IF PAINTED.
- 3. PROVIDE PAINTED STENCILED LABELING ON THE SURFACES OF SUPPLY PIPING, RISERS, FEED MAINS, AND CROSS MAINS TO SHOW THE PIPE FUNCTION (E.G., "SPRINKLER SYSTEM"). FOR PIPE SIZES 4—INCH AND LARGER, PROVIDE LETTERS A MINIMUM OF 2 INCHES IN HEIGHT AND VISIBLE FROM AT LEAST TWO SIDES WHEN VIEWED FROM THE FLOOR. FOR PIPE SIZES LESS THAN 4—INCH, PROVIDE LETTERS A MINIMUM OF 0.75 INCHES IN HEIGHT AND VISIBLE FROM THE FLOOR.
- 4. PROVIDE PAINTED STENCILED ARROWS ON PIPING (SUPPLY PIPING, RISERS, FEED MAINS, CROSS MAINS, AND BRANCH LINES) INDICATING THE DIRECTION OF FLOW.
- 5. STENCILED LABELING AND ARROWS MUST BE WHITE EXCEPT WHERE WHITE DOES NOT CONTRAST WITH THE BACKGROUND COLOR, THEN LABELING AND ARROWS MUST BE RED.
- 6. STENCILED LABELING AND ARROWS MUST BE LOCATED AT MAXIMUM OF 20-FOOT INTERVALS THROUGHOUT THE PIPING SYSTEMS, WHERE BRANCH LINES JOIN THE SYSTEM, AT EACH SIDE OF VALVES, FLOW SWITCHES, DRAINS, OR SIMILAR EQUIPMENT, AND AT EACH SIDE OF WALL, FLOOR, AND CEILING PENETRATIONS.
- 7. FIRE SUPPRESSION SYSTEM VALVES, DRAINS, AND ALARM DEVICES MUST BE MARKED WITH PERMANENT TAGS INDICATING FUNCTION AND NORMALLY OPEN OR NORMALLY CLOSED POSITION. HYDRAULIC DATA PLATES AND GENERAL INFORMATION SIGNS MUST BE LOCATED IN ACCORDANCE WITH NFPA 13.



50' 25' 0 50' 100'

1"=50' The state of the



FIRST FLOOR NORTH SPRINKLER REMOVALS PART PLAN

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

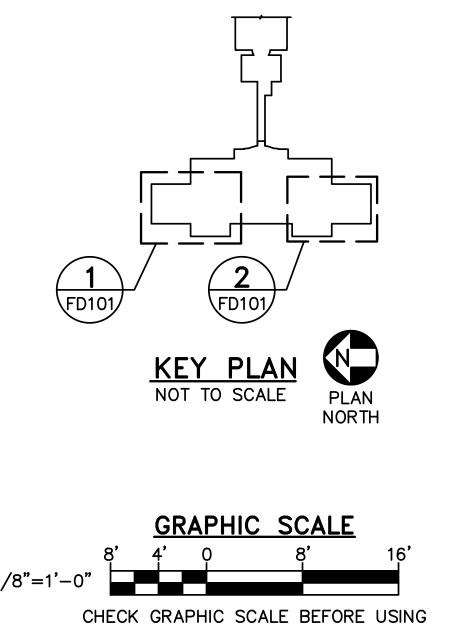
#### FIRST FLOOR SOUTH 2 SPRINKLER REMOVALS PART PLAN FD101/ SCALE: 1/8"=1'-0"

KEYNOTES (THIS SHEET ONLY)

- REMOVE SECTION OF BRANCH MAIN PIPE AND VERTICAL OFFSET TO ACCOMMODATE CHANGE IN CEILING HEIGHT.
- REMOVE SPRINKLER BRANCH PIPING TO ACCOMMODATE SPACE RECONFIGURATION AND DUCTWORK MODIFICATIONS.

# GENERAL REMOVALS NOTES

- REMOVE PORTIONS OF THE WET-PIPE SPRINKLER SYSTEM INDICATED IN PROJECT SCOPE OF WORK AREA. SYSTEM SHOWN HAS BEEN DEVELOPED FROM FIELD OBSERVATIONS AND RECORD AS-BUILT SPRINKLER DRAWINGS FORM 1999 INSTALLATION. FOR BIDDING PURPOSES, ASSUME THE SYSTEM PROVIDES FULL NFPA 13 COVERÁGE.
- WHERE DEMOLITION OF EXISTING SURFACES IS REQUIRED FOR WORK, PROVIDE DEMOLITION. ONCE WORK IS COMPLETE, RESTORE FINISHES TO MATCH ADJACENT SURFACES AND RE-ESTABLISH ANY SMOKE- OR FIRE-RESISTANCE-RATINGS.
- REMOVE SPRINKLERS INDICATED ALONG WITH ASSOCIATED RETURN BENDS, ARM-OVERS, SPRIGS, AND/OR DROPS, INCLUDING FITTINGS WITHIN THAT PORTION OF PIPING AND THE FITTINGS CONNECTING TO THE BRANCH LINE. SPRINKLER PIPING REMOVALS MUST INCLUDE PIPE HANGERS AND SUPPORTS.
- 4. COORDINATE BRANCH PIPING REMOVALS WITH MECHANICAL TRADE TO ALLOW FOR DUCTWORK INSTALLATIONS.



STATE OF MAINE BGS

LE CROSS BUILDING AND STATE HOUSE SECURITY SCREENING CENTERS AUGUSTA, MAINE FIRST FLOOR SPRINKLER REMOVALS PART PLANS OAK POINT DAM DRAWING NO.

FD101

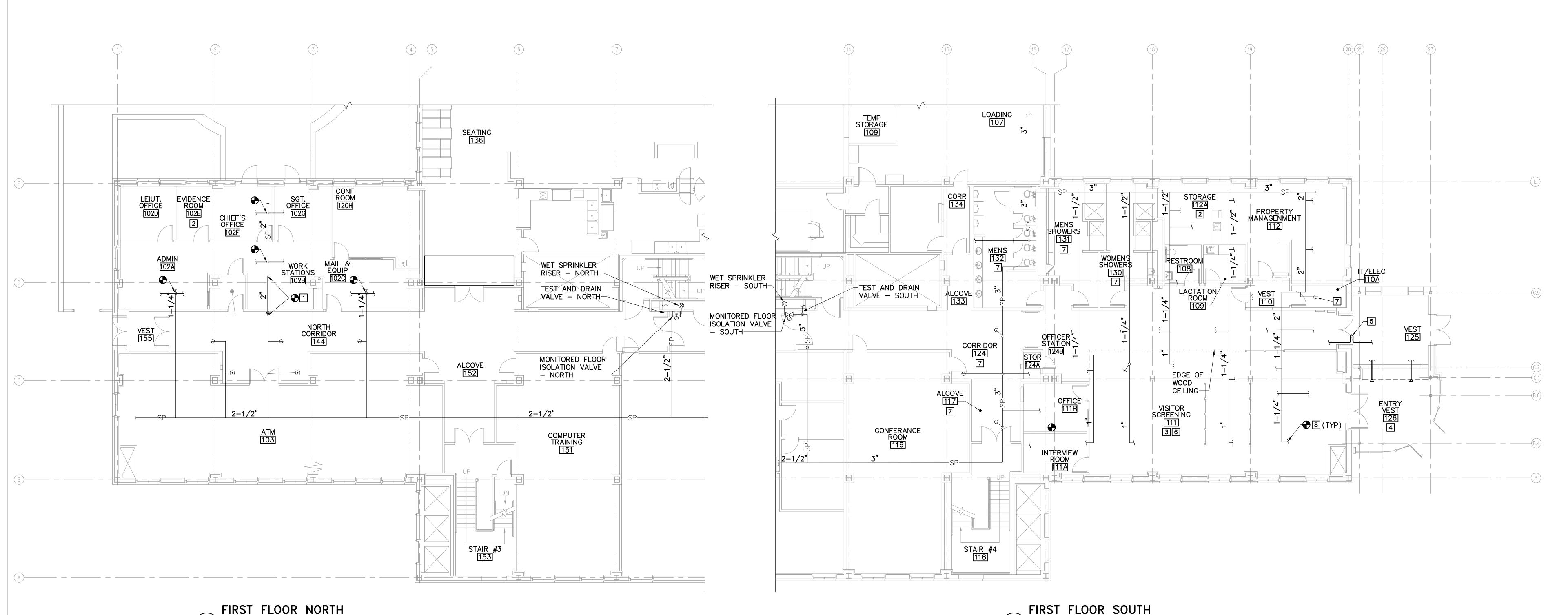
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**REVISIONS** 

NO. 22205.06

DATE 1/2/2025

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FIRST FLOOR NORTH
SPRINKLER PART PLAN
FX101 SCALE: 1/8"=1'-0"

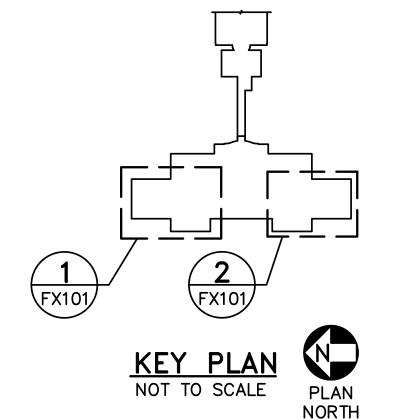
FIRST FLOOR SOUTH
SPRINKLER PART PLAN
FX101 SCALE: 1/8"=1'-0"

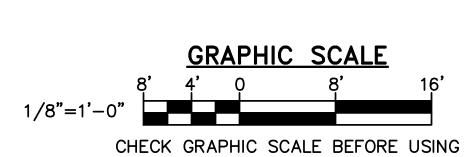
# GENERAL NOTES

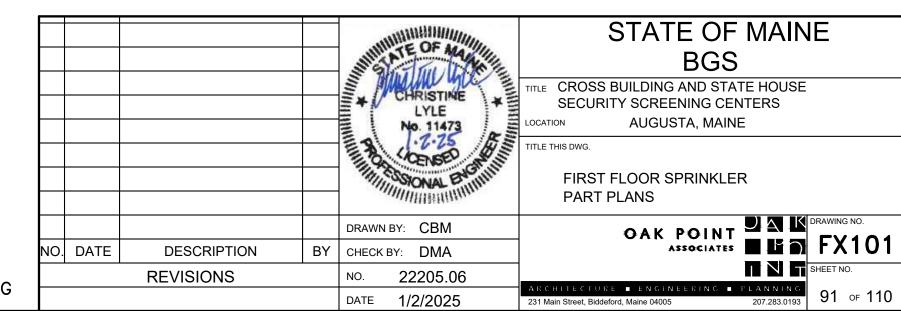
- 1. PROVIDE FULL WET-PIPE SPRINKLER COVERAGE THROUGHOUT THE SCOPE OF WORK AREA AND WITHIN COMBUSTIBLE CONCEALED SPACES (INCLUDING ABOVE CEILINGS IN AREAS WITH WOOD CEILINGS). DESIGN AND PROVIDE LIGHT HAZARD COVERAGE UNLESS NOTED OTHERWISE.
- 2. SEE SHEET FD101 FOR ADDITIONAL GENERAL FIRE SUPPRESSION NOTES, APPLICABLE CODES AND STANDARDS, FIRE SUPPRESSION LEGENDS, AND FIRE SUPPRESSION ABBREVIATIONS.

# KEYNOTES (THIS SHEET ONLY)

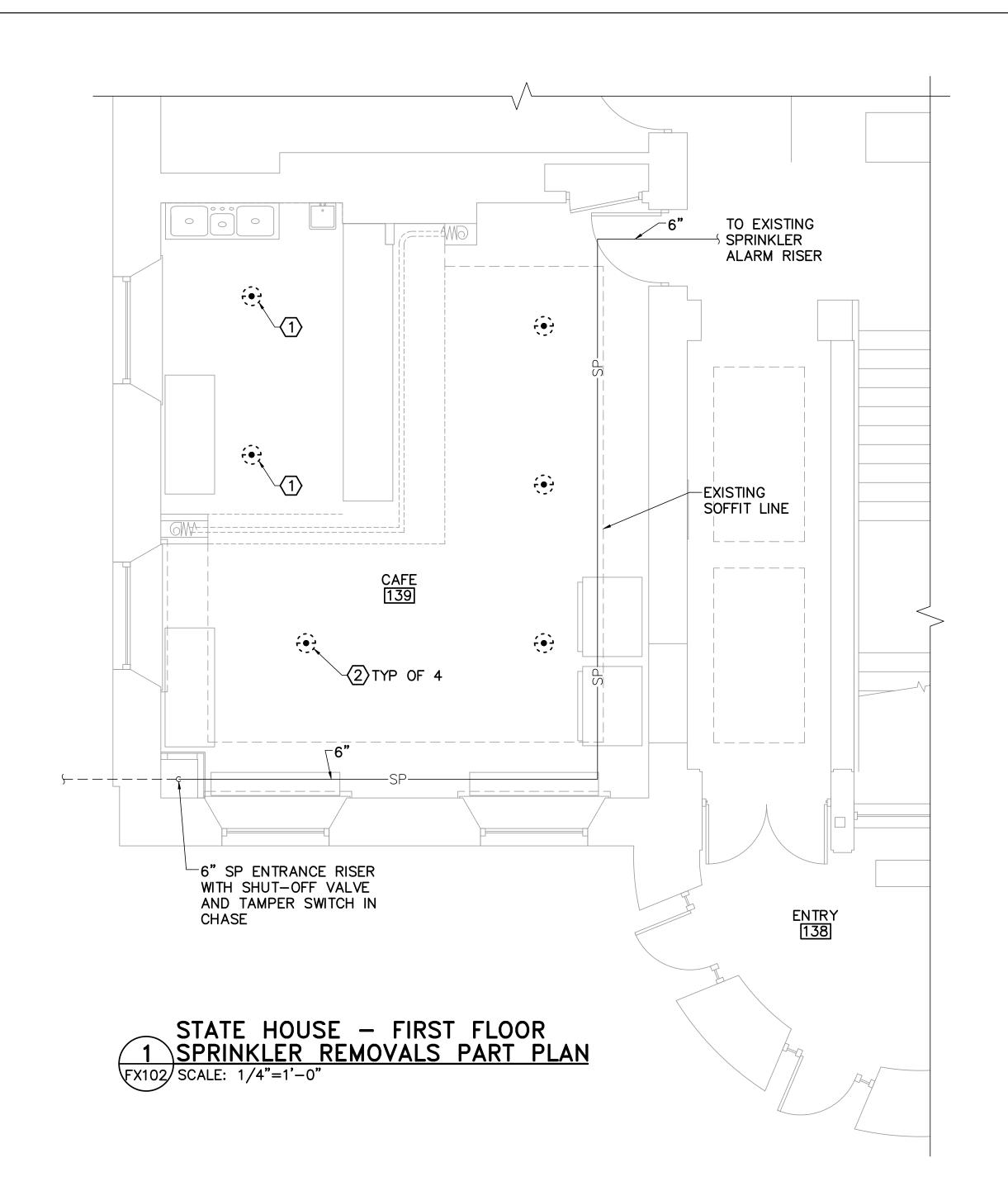
- OFFSET SPRINKLER SUB-MAIN RISE TO CORRIDOR TO ALLOW FOR INCREASE IN CEILING HEIGHT IN THIS AREA.
- DESIGN AND PROVIDE ORDINARY HAZARD SPRINKLER COVERAGE FOR THIS SPACE.
- PROVIDE RECESSED, CONCEALED SPRINKLER HEADS WITH MFR'S STANDARD BRASS FINISH IN WOOD CEILING IN THIS SPACE. REFER TO REFLECTED CEILING PLAN ON SHEET AE701.
- PROVIDE CONCEALED SIDEWALL SPRINKLER HEAD(S) IN VERTICAL FACE OF SOFFIT AT CEILING. COORDINATE FINAL LOCATION AND PIPING WITH LINEAR MECHANICAL DIFFUSER AND DUCTWORK IN SAME SOFFIT.
- 5 PROVIDE UL AND FM LISTED, BRAIDED STAINLESS STEEL SEISMIC CONNECTOR AT BUILDING EXPANSION JOINT.
- AREA PROVIDED WITH SUSPENDED LINEAR WOOD CEILING WHICH REQUIRES SPRINKLER COVERAGE ABOVE CEILING. PROVIDE UPRIGHT SPRINKLERS FOR COVERAGE.
- 7 EXISTING SPRINKLER HEADS IN THIS SPACE TO REMAIN.
- REUSE EXISTING BRANCH CONNECTION TO MAIN TO EXTEND TO PROVIDED SPRINKLER HEAD OR CAP ABANDONED CONNECTION AT MAIN.





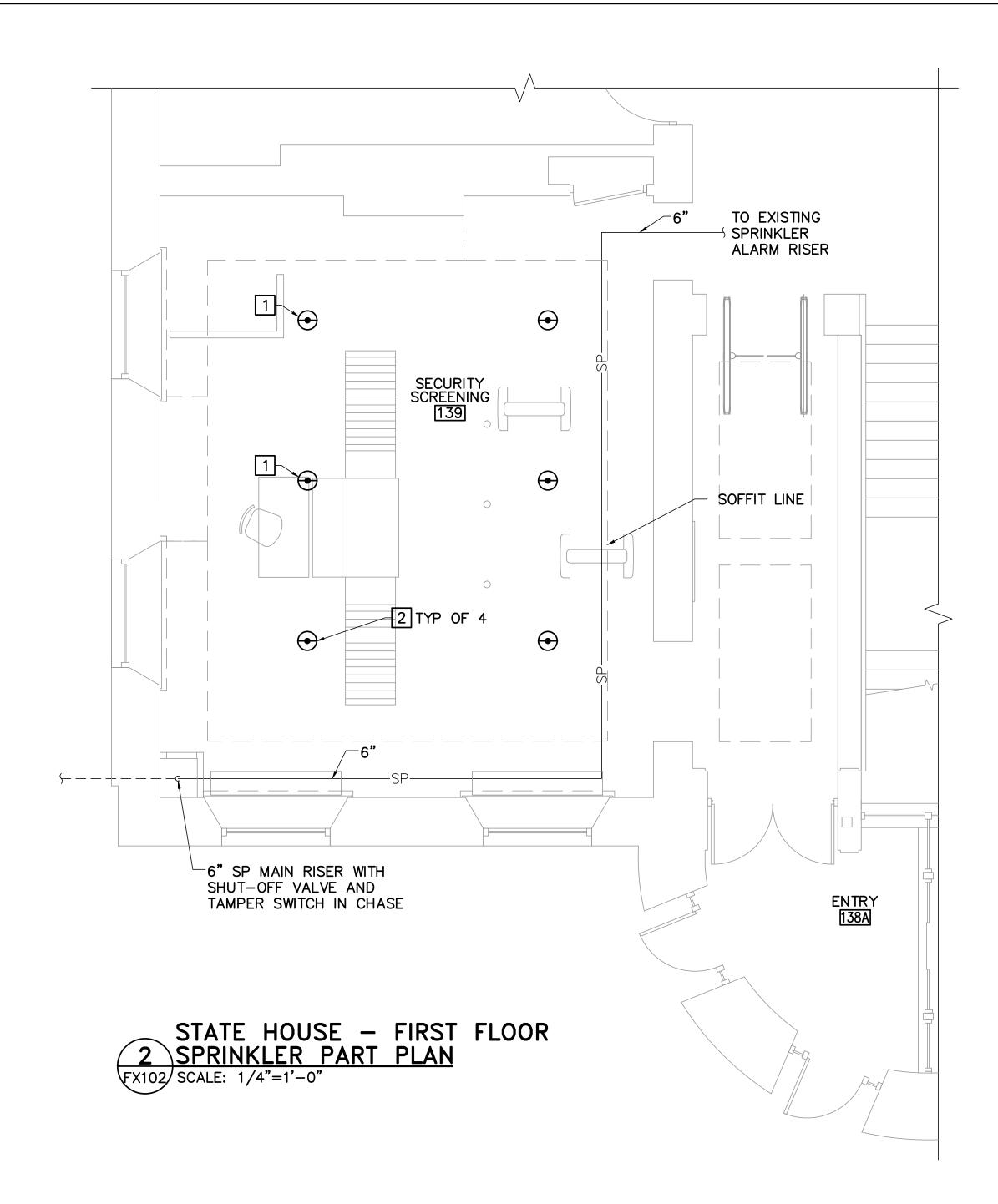


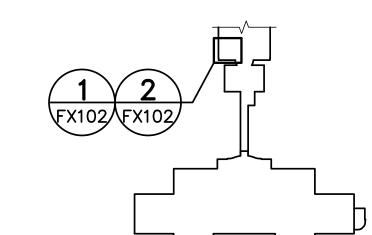
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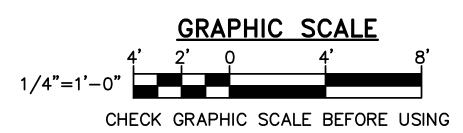
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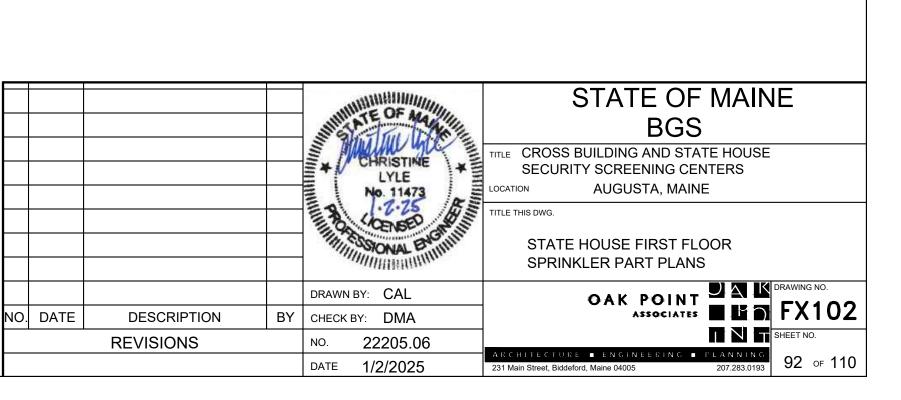
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**GENERAL NOTES** 

1. PIPING REMOVALS TO INCLUDE HANGERS AND SUPPORTS.

REMOVALS KEYNOTES (THIS SHEET ONLY)

REMOVED CONCEALED PENDANT SPRINKLER HEAD AND ASSOCIATED ARM OVER PIPING TO ACCOMMODATE CEILING REMOVAL.

REMOVED CONCEALED PENDANT SPRINKLER HEAD TO ACCOMMODATE CEILING REMOVAL AND REPLACEMENT.

KEYNOTES (THIS SHEET ONLY)

PROVIDE CONCEALED PENDANT SPRINKLER HEADS PROVIDING LIGHT HAZARD PROTECTION IN THE SPACE. MODIFY ARM OVER PIPING TO ACCOMMODATE SHIFT OF HEAD IN CEILING TILE LAYOUT.

2 PROVIDE REPLACEMENT CONCEALED SPRINKLER HEAD.

#### ELECTRICAL SYMBOLS

#### **LIGHTING**

NOTE: LOWER CASE SUBSCRIPTS INDICATE WHICH SENSORS CONTROLS WHICH FIXTURE. UPPER CASE SUBSCRIPTS INDICATE FIXTURE TYPE. REFER TO LIGHTING FIXTURE SCHEDULE.

120/277V, 20A LIGHT SWITCH, SPECIFICATION GRADE

120/277V, 20A 3-WAY LIGHT SWITCH, SPECIFICATION GRADE

LOW VOLTAGE LIGHT SWITCH, SPECIFICATION GRAD. LOWER CASE SUBSCRIPT INDICATES CONTROL. BASIS OF DESIGN: HUBBELL NX SWITCH FOR NX CONTROLS, ETC SWITCHES FOR ETC CONTROLS LVD INDICATES DIMMING

LED LIGHT FIXTURES CAPITAL LETTER = LIGHT TYPE LOWER CASE LETTER = CONTROL ZONE

> LED LIGHT FIXTURES WITH EMERGENCY BATTERY BACKUP

LED DOWNLIGHT FIXTURES

OCCUPANCY SENSOR V = VACANCY, LOW VOLTAGEW = WALL TYPE - VACANCY, LINE VOLTAGEH = HIGH BAY, VACANCY, LOW VOLTAGE NO SUBSCRIPT = LOW VOLTAGE WD = WALL, DIMMER

ILLUMINATED EXIT SIGN, LED TYPE SINGLE FACE, ARROW INDICATES DIRECTION OF FLOW FOR THE FACE

INTERIOR PHOTO SENSOR

# DATA, TECHNOLOGY AND SECURITY

ANALOG TELEPHONE JACK AND DATA JACK

FLOOR BOX AND OUTLETS (DUAL SERVICE) RATED FOR SLAB-ON-GRADE APPLICATIONS

DATA JACK FOR WIRELESS INTERNET

VIDEO SURVEILLANCE CAMERA D = DOME CAMERA

ACCESS POINT, CEILING MOUNTED -CONDUIT AND BOX

ELECTRIC STRIKE/ELECTRONIC LOCK

DATA JACK (NETWORK ONLY)

REQUEST TO EXIT

CARD READER

SECURE DOOR CONTROLLER (ABOVE CEILING)

ACCESS CONTROL PANEL

DB DURESS BUTTON

ELECTROMAGNETIC DOOR HOLDER

DOOR SWITCH

BLUE EMERGENCY STROBE LIGHT

DUPLEX RECEPTACLE, 120V, 20A, SPECIFICATION GRADE. NEMA 5-20 R R = REFRIGERATOR

DUPLEX RECEPTACLE, 120V, 20A SPECIFICATION GRADE, NEMA 5-20 R SUBSCRIPT "G" INDICATES GROUND FAULT CIRCUIT INTERRUPTER. WP INDICATES WEATHERPROOF WHILE-IN-USE COVER AND GROUND FAULT CIRCUIT INTERRUPTER

DUPLEX RECEPTACLE, 120V, 20A SPECIFICATION GRADE, NEMA 5-20 R SPLIT YOKE WITH (1) AUTOMATIC SHUTOFF CONTROLLED OUTLET AND (1) NON-CONTROLLED OUTLET

DOUBLE DUPLEX RECEPTACLE

FLOOR BOX AND OUTLET (DUAL SERVICE) RATED FOR SLAB-ON-GRADE **APPLICATIONS** 

#### <u>GENERAL</u>

ㅁ

**RECEPTACLES** 

NON-FUSED DISCONNECT SWITCH

JUNCTION BOX

BRANCH CIRCUIT HOMERUN, A-1 INDICATES PANEL DESIGNATION AND CIRCUIT NUMBER

**PUSHBUTTON** 

SURGE PROTECTOR EXISTING PANELBOARD

## LINE TYPE LEGEND

----- REMOVE EXISTING ITEMS EXIST ITEMS TO REMAIN PROVIDE ITEMS

### FIRE ALARM

FIRE ALARM CONTROL PANEL

SPEAKER STROBE "75" INDICATES CANDELA RATING "C" INDICATES CEILING MOUNTED

STROBE ONLY "75" INDICATES CANDELA RATING

MANUAL PULL STATION

SMOKE DETECTOR

NOTIFICATION APPLIANCE CIRCUIT EXTENDER PANEL

TAMPER SWITCH

WATER FLOW SWITCH

ADDRESSABLE INPUT MONITOR MODULE

KNOX BOX

### **ELECTRICAL ABBREVIATIONS**

AMPERE ALTERNATING CURRENT **AFF** ABOVE FINISHED FLOOR AMPERE INTERRUPTING CAPACITY AIC ΑV AUDIO VISUAL AMERICAN WIRE GAUGE **AWG** BKR BREAKER CONDUCTOR, CONDUIT

CB CIRCUIT BREAKER CCTV CLOSED CIRCUIT TELEVISION CKT CIRCUIT **COPPER** CU

DWG DRAWING EMT ELECTRICAL METALLIC TUBING GROUND; GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT CIRCUIT INTERRUPTER HEATING LOAD TYPE FOR PANEL SCHEDULE HORSEPOWER

HEATING, VENTILATION, AND AIR CONDITIONING KVA KILO-VOLT-AMPERE KW KILO-WATT

LIGHTING LOAD TYPE FOR PANEL SCHEDULE LIGHTING CONTROL PANEL LED LIGHT EMITTING DIODE LTG LIGHTING

MOTOR LOAD TYPE FOR PANEL SCHEDULE MAX MAXIMUM MAIN CIRCUIT BREAKER MCB

MIN **MINIMUM** MLO MAIN LUG ONLY **NEMA** NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NFPA NATIONAL FIRE PROTECTION ASSOCIATION

NO, # NUMBER OCCUPANCY PHASE POLE PART OF

POE POWER OVER ETHERNET RECEPTACLE LOAD TYPE FOR PANEL SCHEDULE REC RECEPTACLE

RGS RIGID GALVANIZED STEEL RM ROOM RIGID METAL CONDUIT SPD SURGE PROTECTIVE DEVICE SW

SWITCH HEAT RESISTANT THERMOPLASTIC WIRE WITH NYLON JACKET MOISTURE & HEAT RESISTANT THERMOPLASTIC WIRE WITH NYLON JACKET

TELECOM MAIN GROUND BUSBAR **TELEVISION** TYP **TYPICAL** 

UNDERGROUND ELECTRIC UPS UNINTERRUPTIBLE POWER SUPPLY

VOLT AMPERE WATT, WIRE WITH WEATHERPROOF

**ELECTRICAL GENERAL NOTES** 

ELECTRICAL INSTALLATION MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), NFPA, AND STATE AND LOCAL

2. WORK MUST BE COORDINATED WITH ARCHITECTURAL, CIVIL, STRUCTURAL, AND MECHANICAL TRADES.

3. ELECTRICAL EQUIPMENT AND WIRING MUST BE NEW AND UL LISTED UNLESS OTHERWISE NOTED.

4. LIGHT FIXTURES AND OTHER CEILING MOUNTED ELECTRICAL EQUIPMENT MUST BE COORDINATED WITH ARCHITECTURAL, STRUCTURAL, AND MECHANICAL WORK TO AVOID INTERFERENCE.

5. A SEPARATE GREEN GROUNDING CONDUCTOR MUST BE PROVIDED FOR EACH INDIVIDUAL CIRCUIT. METAL CONDUIT MUST BE GROUNDED BUT MUST NOT BE USED AS THE EQUIPMENT GROUNDING CONDUCTOR.

6. VERIFY EXISTING CONDITIONS AND DIMENSIONS AND REPORT DISCREPANCIES TO THE OWNER'S REPRESENTATIVE. PROCEED WITH THE WORK ONLY AFTER THE DISCREPANCIES HAVE BEEN RESOLVED BY THE OWNER'S REPRESENTATIVE.

7. CONDUCTORS MUST BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE.

8. CONDUIT MUST BE MINIMUM 3/4" UNLESS OTHERWISE NOTED.

9. UNLESS OTHERWISE INDICATED, WIRE AND CONDUIT SIZE FOR EACH 20A 1P BRANCH CIRCUIT MUST BE 2 #12 + #12G, IN

10. UNLESS OTHERWISE INDICATED, WIRE AND CONDUIT SIZE FOR 20A 1P BRANCH CIRCUITS CONTAINING ISOLATED GROUND RECEPTACLES MUST BE 2 #12, 1#12G, 1#12IG, IN 3/4"C.

11. A SEPARATE NEUTRAL CONDUCTOR MUST BE PROVIDED FOR EACH INDIVIDUAL 120V CIRCUIT.

12. DISCONNECT SWITCHES ARE 30AF UNLESS OTHERWISE NOTED. AF IS AMPS FRAME AND AT IS AMPS TRIP.

13. SEAL CONDUIT INTERIOR OF SPARE AND ACTIVE CONDUITS TO PROHIBIT PASSAGE OF MOISTURE. PROVIDE SEALANT PRODUCT INTENDED FOR SUCH USE. PROVIDE AT CONDUITS PENETRATING FLOORS AND EXTERIOR WALLS AND AT GENERATOR ENCLOSURE. BASIS OF DESIGN: AMERICAN POLYWATER FST.

14. THE ACCESS CONTROL/SECURITY AND DVM SYSTEM MUST BE AN EXTENSION OF THE EXISTING HONEYWELL ENTERPRISE BUILDING INTEGRATOR SYSTEM WITH HOST SERVER HARDWARE LOCATED IN AUGUSTA, ME. SYSTEM IS FOR MONITORING AND CONTROLLING, CAMERAS, SECURITY, AND ACCESS CONTROL. THE CONTROL SYSTEM MUST BE SEAMLESSLY INTEGRATED WITH THE STATE OF MAINE BUILDING CONTROL CENTER (BCC) WHICH PROVIDES 24 HOURS A DAY, 7 DAYS A WEEK, 365 DAYS A YEAR MONITORING OF STATE FACILITIES. GRAPHICS, SUPPLYING, AND INTEGRATION OF PCSC IQ SERIES PANELBOARDS, AND FRONT END PROGRAMMING ARE PROPRIETARY TO HONEYWELL INTERNATIONAL INC. THE INSTALLATION OF HARDWARE, WIRING, PARTS, AND PIECES MUST BE COMPLETED BY A QUALIFIED INSTALLER.

15. PROVIDE FIRE STOPPING FOR PENETRATIONS THROUGH FIRE RATED WALLS, CEILINGS, FLOORS, AND ROOF. COORDINATE WITH THE FIRE PROTECTION TRADE.

WIRE SIZE	HOMERUNS ( MAXIMUM DIST	20A CIRCUIT) ANCE IN FEET
	120V	240V
<b>#</b> 12	60'	100'
<b>#</b> 10	100'	160'
<b>#</b> 8	150'	250'
<b>#</b> 6	240'	400'

#### MOUNTING HEIGHT SCHEDULE

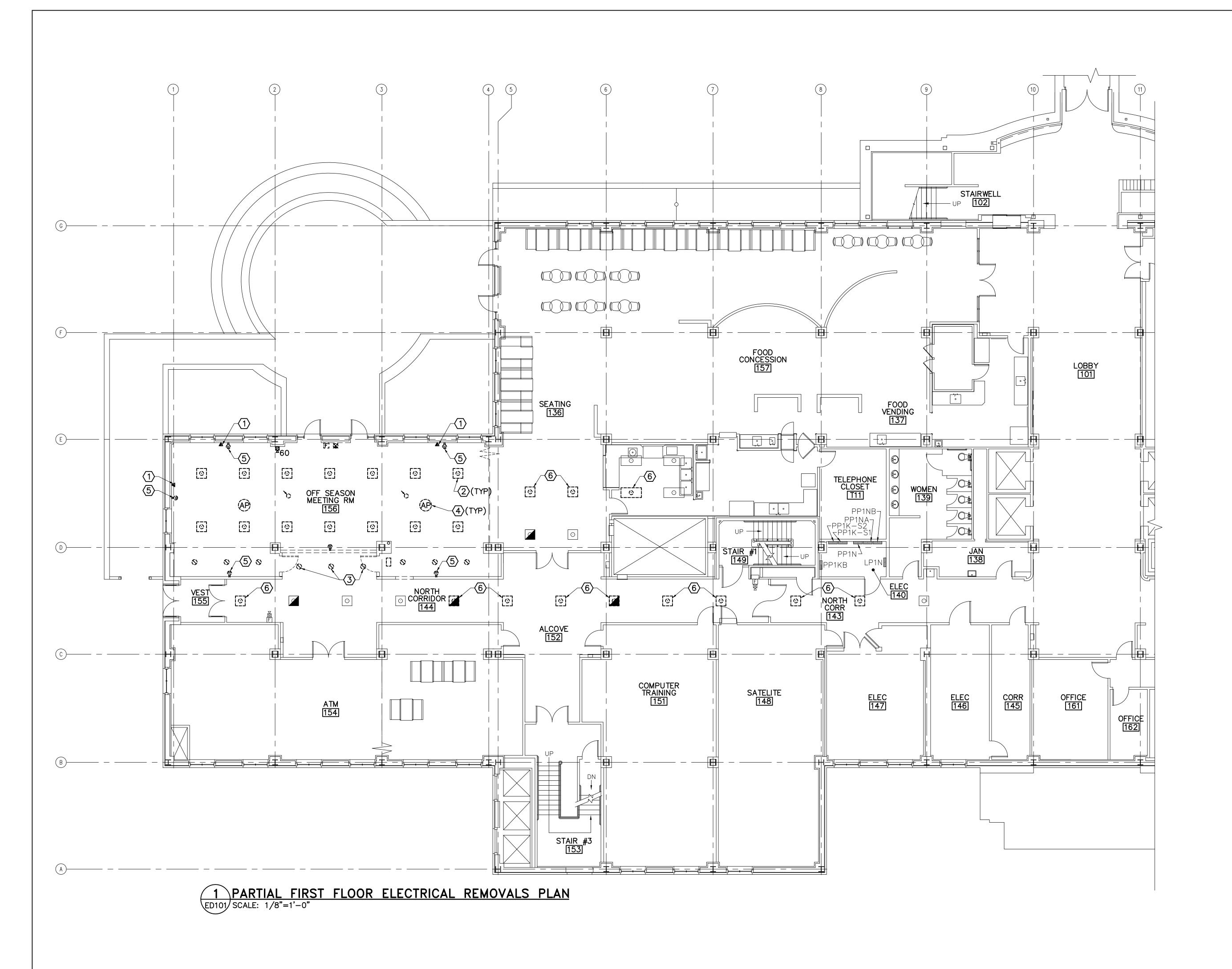
(UNLESS NOTED OTHERWISE)

RECEPTACLES AND TELECOMMUNICATIONS OUTLETS 18" UNLESS NOTED OTHERWISE.

RECEPTACLES AND TELECOMMUNICATIONS OUTLETS AT COUNTER: 6" ABOVE COUNTERTOP/BACKSPLASH.

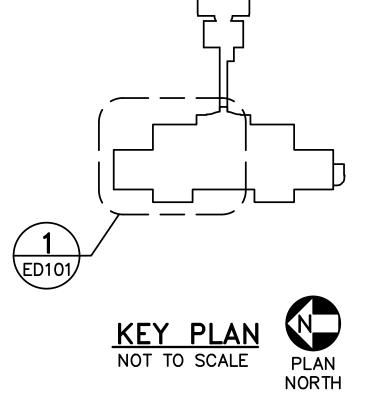
SWITCHES 48". 4. RECEPTACLES IN BATHROOMS: 48" ADJACENT TO SINK

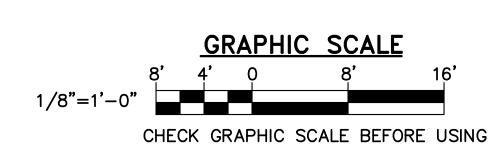
> STATE OF MAINE CROSS BUILDING AND STATE HOUSE DALE C. LINCOLN, II SECURITY SCREENING CENTERS AUGUSTA, MAINE No. 10443 1/2/25 (CENSED ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES O. DATE | DESCRIPTION BY CHECK BY: SHEET NO. NO. 22205.06 REVISIONS DATE 1/2/2025

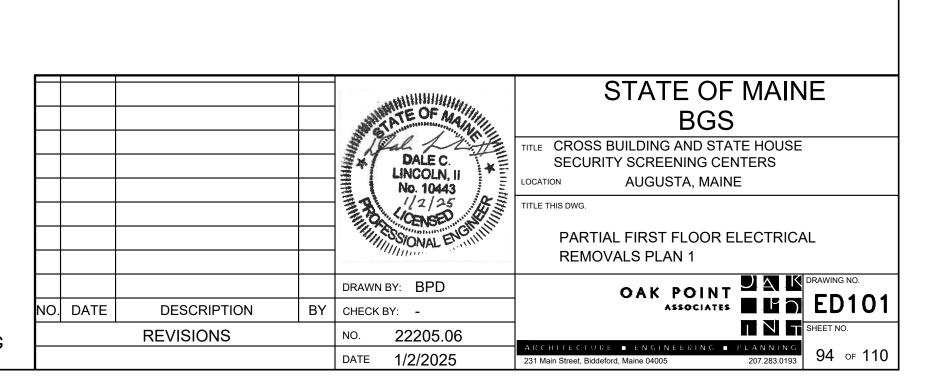


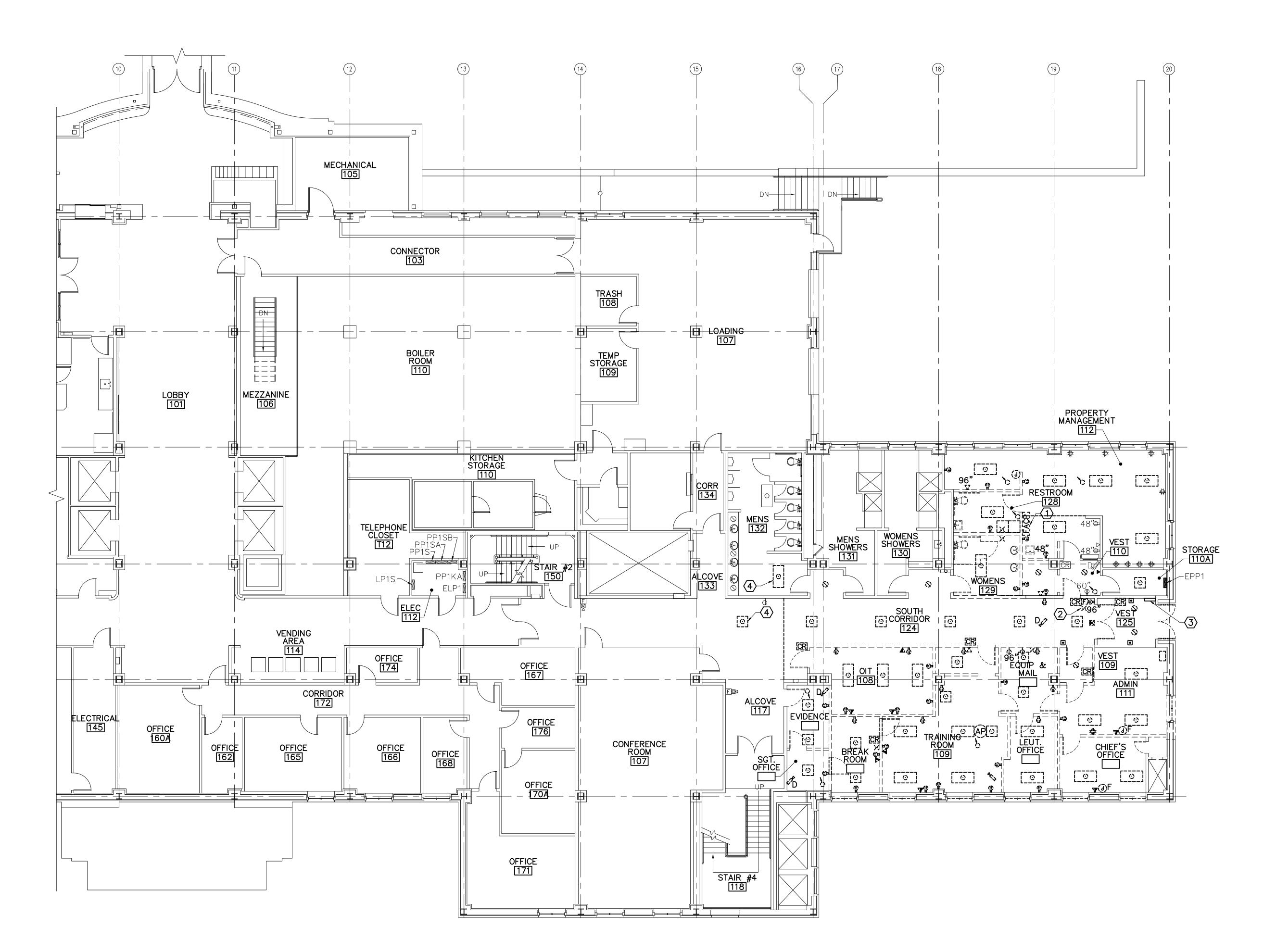
 REFER TO E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.

- REMOVE COMMUNICATIONS OUTLET. REMOVE CONDUIT UP TO THE CEILING AND COIL CABLE AT THE CEILING FOR FUTURE USE. REFER TO ET101 FOR COMMUNICATION OUTLET LOCATION.
- REMOVE LIGHT FIXTURES IN OFF SEASON MEETING ROOM. REMOVE WIRING AND CONDUIT BACK TO SOURCE PANEL LP1N-6 OR NEXT EXISTING TO REMAIN LIGHTING FIXTURE OR DEVICE ON SAME CIRCUIT. EXISTING CIRCUIT ALSO PROVIDES POWER TO LIGHT FIXTURES IN SEATING ROOM 136 AND FOOD CONCESSION 157.
- REMOVE DOWNLIGHT FIXTURES. REMOVE WIRING BACK TO SOURCE PANEL LP1N-2 OR NEXT EXISTING TO REMAIN LIGHTING FIXTURE OR DEVICE ON SAME CIRCUIT.
- (4) REMOVE CEILING MOUNTED ACCESS POINTS. PROTECT EXISTING WIRING AND CONDUIT FOR REUSE.
- 5 REMOVE RECEPTACLES FROM EXISTING WALL. REMOVE CONDUCTORS AND CONDUIT BACK TO SOURCE.
- 6 REMOVE LIGHT FIXTURE AND SALVAGE FOR REINSTALLATION. PROTECT EXISTING WIRING AND CONDUIT FOR REUSE.





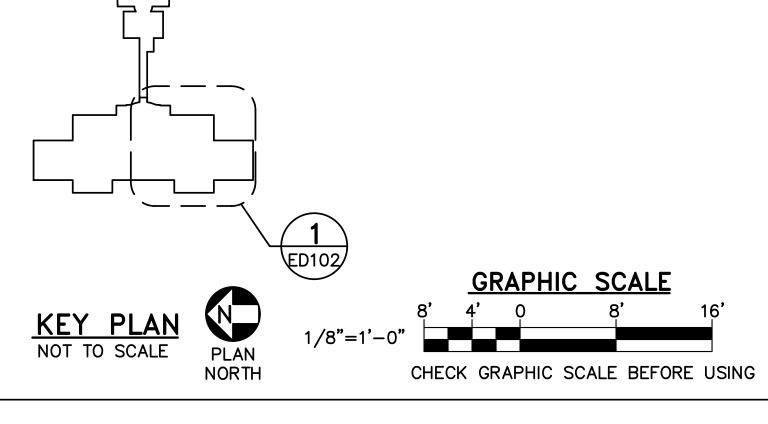


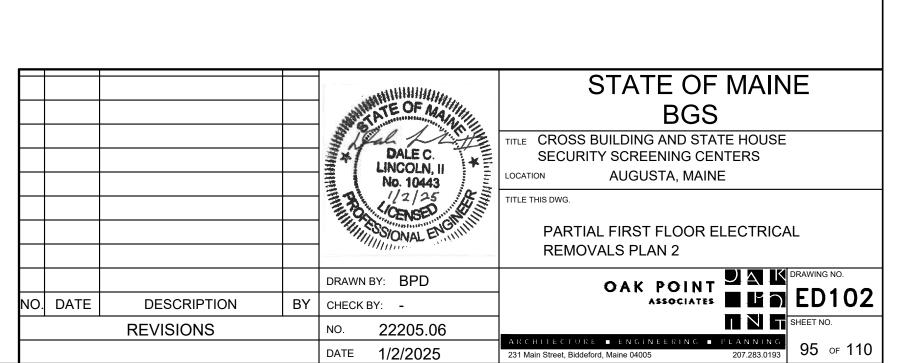


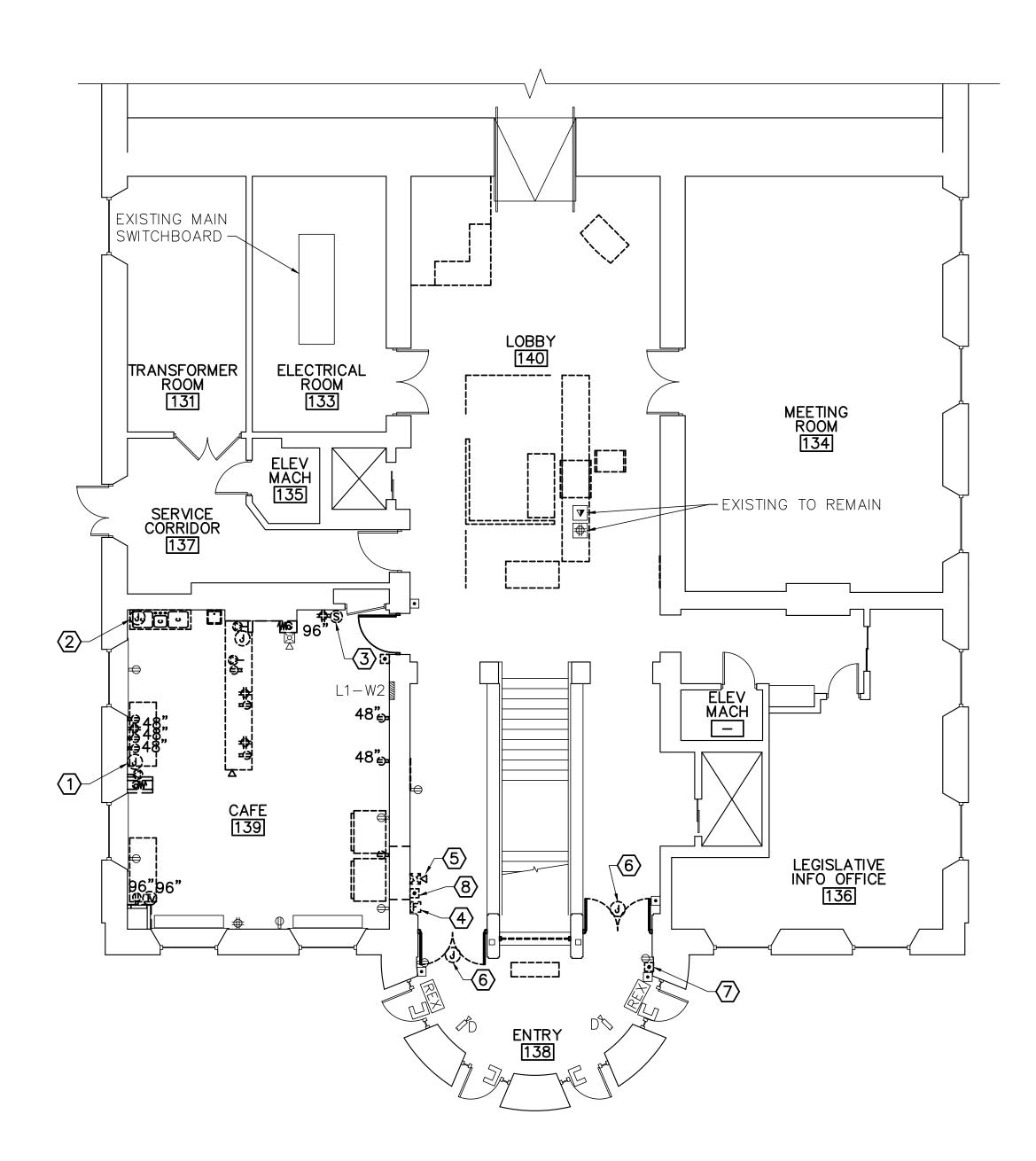
1 PARTIAL FIRST FLOOR ELECTRICAL REMOVALS PLAN ED102 SCALE: 1/8"=1'-0"

- 1. REFER TO E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
- 2. REMOVE EXISTING CEILING MOUNTED DEVICES INCLUDING BUT NOT LIMITED TO LIGHT FIXTURES OCCUPANCY SENSORS, PHOTOCELLS, ACCESS POINTS, CAMERAS, ETC. REMOVE EXISTING CABLES OR CONDUCTORS AND CONDUITS BACK TO SOURCE UNLESS NOTED OTHERWISE WITH KEYNOTE.
- 3. REMOVE CARD READERS AND SECURITY CAMERAS AND SALVAGE FOR REUSE. REMOVE CABLING, CONDUCTORS, AND CONDUIT BACK TO SOURCE. REMOVE COMMUNICATIONS CABLING BACK TO SERVER ROOM. REMOVE 120 VOLT CIRCUITS BACK TO SOURCE UNLESS CIRCUIT CONTAINS DEVICES THAT ARE EXISTING TO REMAIN. MAINTAIN CONTINUITY OF EXISTING CIRCUITS FOR EXISTING TO REMAIN DEVICES.
- 4. REMOVE RECEPTACLES AND COMMUNICATION OUTLETS. REMOVE CABLING CONDUCTORS, AND CONDUIT BACK TO SOURCE. REMOVE COMMUNICATIONS CABLING BACK TO SERVER ROOM. REMOVE 120 VOLT CIRCUITS BACK TO SOURCE UNLESS CIRCUIT CONTAINS DEVICES THAT ARE EXISTING TO REMAIN. MAINTAIN CONTINUITY OF EXISTING CIRCUITS FOR EXISTING TO REMAIN DEVICES.
- 5. UNLESS NOTED OTHERWISE, REMOVE EXISTING FIRE ALARM DEVICES AND APLIANCES AND SALVAGE FOR REUSE.

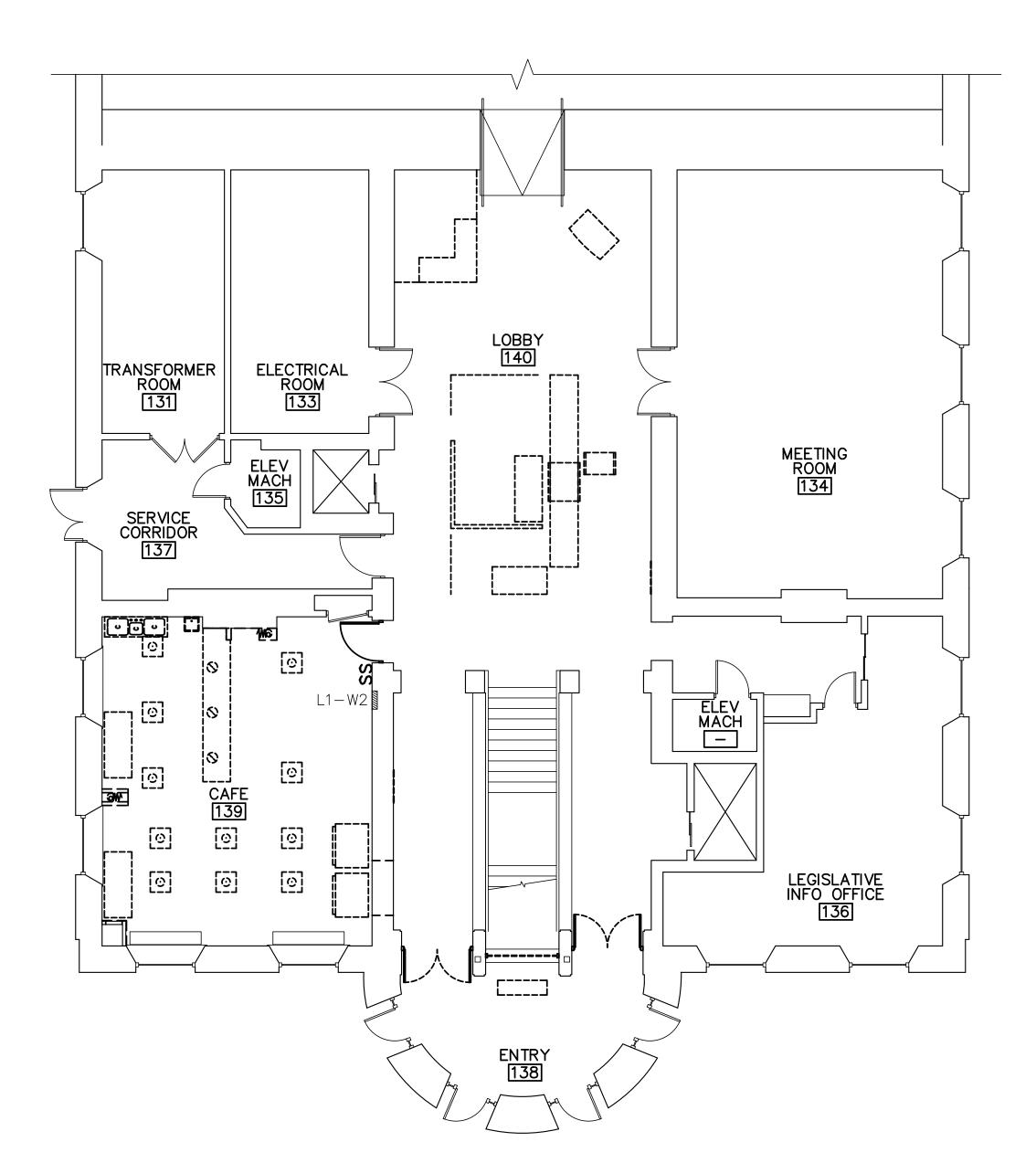
- REMOVE AND SALVAGE EXISTING FIRE ALARM CONTROL PANEL. RELOCATE TO NEW LOCATION, REFER TO FA101 FOR NEW LOCATION. COORDINATE WITH OWNER FOR FIRE ALARM SYSTEM DISRUPTION. DISRUPTION MUST BE DURING OFF—HOURS AND/OR WEEKENDS.
- (2) REMOVE AND SALVAGE FIRE ALARM APPLIANCE AND DEVICES. COIL AND PROTECT WIRING ABOVE CEILING DURING DEMOLITION PHASE. REFER TO FA101 FOR RELOCATION OF APPLIANCES AND DEVICES.
- 3 REMOVE CONNECTION, WIRING, AND CONDUIT FOR CABINET UNIT HEATER BACK TO SOURCE PANEL PP1SA-17.
- REMOVE LIGHT FIXTURE AND SALVAGE FOR REINSTALLATION. PROTECT EXISTING WIRING AND CONDUITS FOR REUSE.







1 STATE HOUSE- PARTIAL FIRST FLOOR REMOVALS PLAN ED103 SCALE: 1/8"=1'-0"



STATE HOUSE— PARTIAL FIRST FLOOR

2 REFLECTED CEILING REMOVALS PLAN

ED103 SCALE: 1/8"=1'-0"

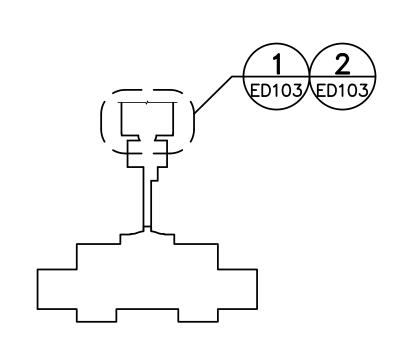
- 1. SEE SHEET E-001 FOR GENERAL ELECTRICAL NOTES, LEGEND, AND ABBREVIATIONS.
- 2. REMOVE ELECTRICAL ITEMS. REMOVE ASSOCIATED CONDUCTORS AND CONDUITS BACK TO SOURCE UNLESS NOTED OTHERWISE.

### REMOVALS LEGEND

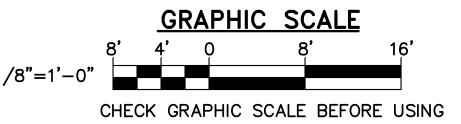
EXISTING (TO REMAIN)

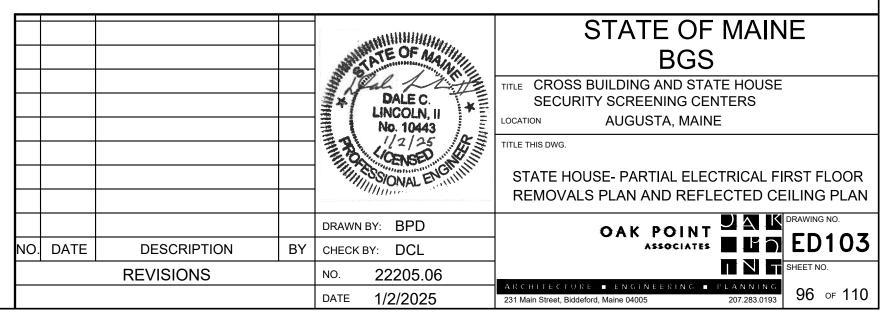
----- EXISTING TO BE REMOVED

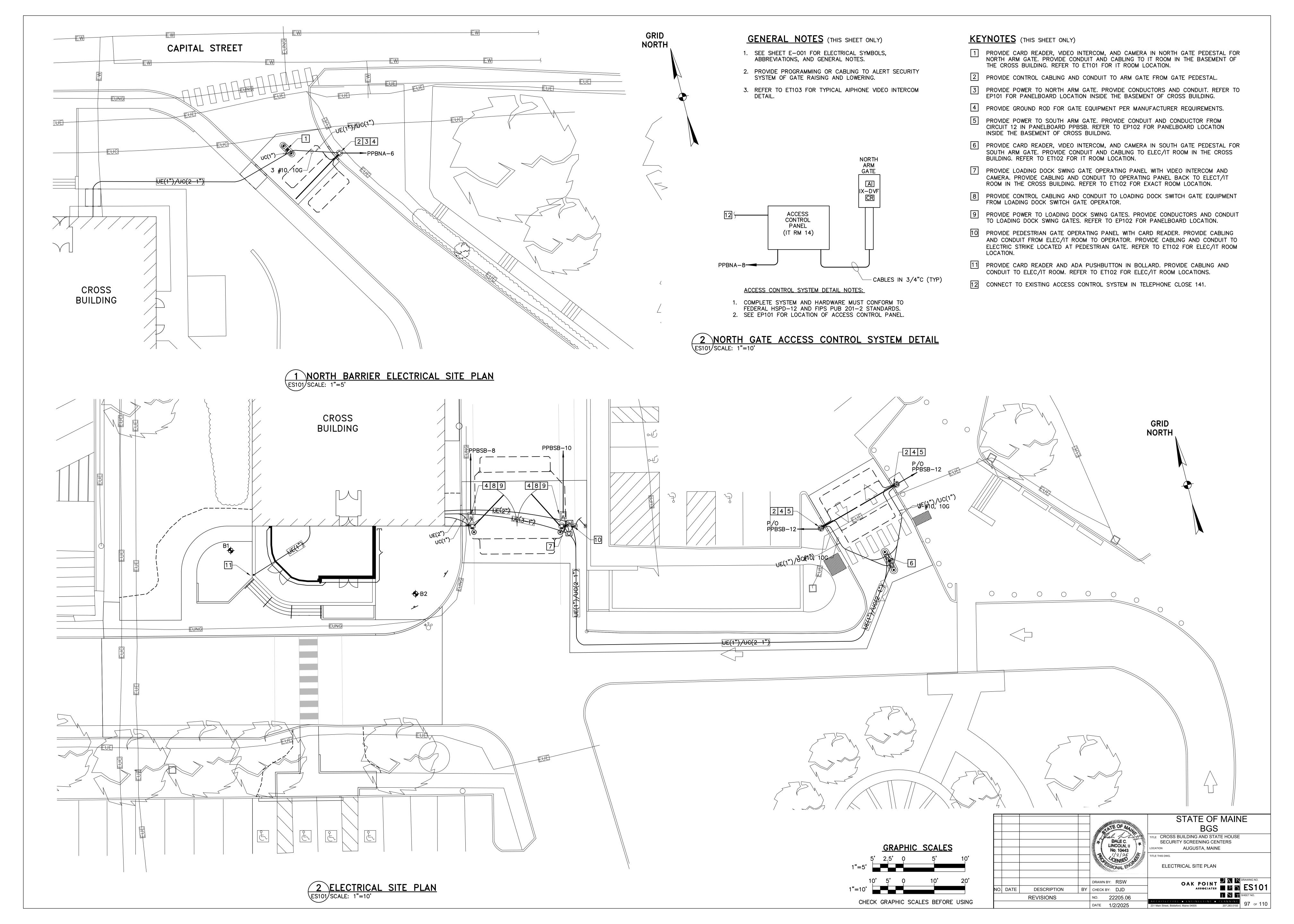
- REMOVE ABANDONED RECESSED JUNCTION BOX.
  REMOVE CONDUCTORS AND CONDUIT BACK TO L3-W2
  CKT 20.
- REMOVE AND RETURN ELECTRIC BOOSTER WATER HEATER TO BGS. REMOVE CONDUCTORS AND CONDUIT BACK TO SOURCE MAIN SWITCHBOARD LOCATED IN ELECTRICAL ROOM.
- REMOVE AND SALVAGE EXISTING SPEAKER DURING CONSTRUCTION TO AVOID ANY DAMAGE. CABLE MUST BE COILED AND PROTECTED FOR FUTURE USE.
- 4 REMOVE AND SALVAGE FIRE ALARM PULL STATION. COIL WIRE AT TOP OF CEILING AND PROTECT DURING CONSTRUCTION. REFER TO ET103 FOR RELOCATION.
- REMOVE AND SALVAGE FIRE ALARM
  SPEAKER/STROBE. COIL WIRE AT TOP OF CEILING AND PROTECT FOR REINSTALLATION AT NEW LOCATION.
  REFER TO ET103 FOR NEW LOCATION.
- DISCONNECT EXISTING POWER AND ASSOCIATED WIRING AND CONDUIT FROM EXISTING ADA DOOR OPERATORS. EXISTING WIRING AND CONDUIT REMAIN. PROTECT EXISTING WIRING AND CONDUIT DURING CONSTRUCTION.
- REMOVE EXISTING ADA DOOR OPERATOR PUSHBUTTON AND ASSOCIATED WIRING. EXISTING ELECTRICAL BOX TO REMAIN, PROTECT FOR REUSE.
- REMOVE AND SALVAGE ADA PUSHBUTTON. COIL WIRE AT TOP OF CEILING AND PROTECT FOR REINSTALLATION AT NEW LOCATION. REFER TO ET103 FOR NEW LOCATION.

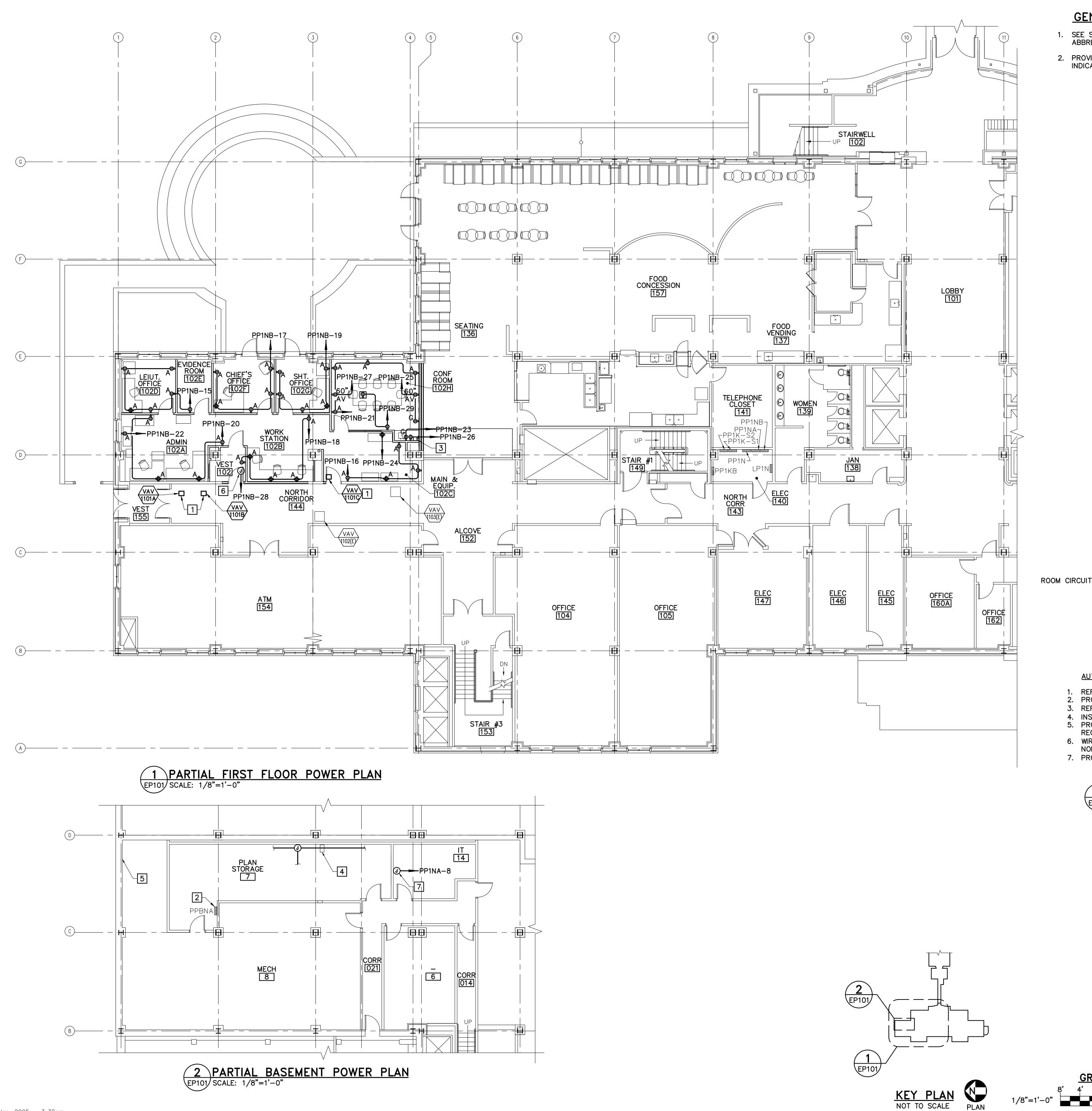










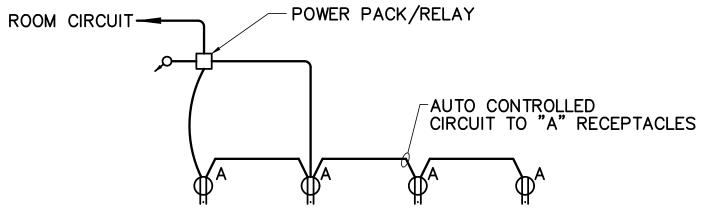


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# **GENERAL NOTES**

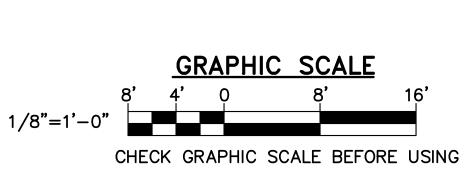
- 1. SEE SHEET E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
- 2. PROVIDE AUTOMATIC RECEPTACLE CONTROL WHERE INDICATED. REFER TO DETAIL 2 ON THIS SHEET.
- KEYNOTES (THIS SHEET ONLY)
- 1 PROVIDE CIRCUIT FOR VAV BOXES. PROVIDE CONNECTION TO INSTALLED VAV BOXES TO NEAREST EXISTING VAV BOX CIRCUIT. VAV BOXES CIRCUIT IS CONNECTED TO PP1NB-6.
- 2 PROVIDE CONDUIT AND WIRING FOR NORTH EXTERIOR ELECTRIC ARM GATE. REFER TO ES101 DETAIL 2 FOR NORTH EXTERIOR GATE LOCATIONS. REFER TO EP602 FOR CIRCUIT BREAKER AND PANELBOARD INFORMATION.
- 3 PROVIDE DEDICATED GFCI RECEPTACLES FOR SUMP PUMP. REFER TO MECHANICAL AND PLUMBING SCHEDULE ON SHEET EP602 FOR CIRCUIT INFORMATION, CONDUCTORS, AND CONDUIT SIZING, AND DISCONNECT SWITCH SIZING.
- 4 MECHANICAL TRADE TO INSTALL NEW DUCT THROUGH THIS LOCATION TO FLOOR ABOVE, REFER TO MH102 FOR DUCT PATH. EXISTING CONDUIT IS LOCATED IN THIS AREA. COORDINATE WITH MECHANICAL TRADE. REMOVE AND RELOCATE EXISTING CONDUIT AND CONDUCTORS TO ACCOMMODATE DUCTWORK. DE-ENERGIZE CIRCUIT, PROVIDE SPLICE BOXES AND RUN CONDUIT ON NEW PATH. FOR BIDDING PURPOSES ASSUME THE REMOVAL AND RELOCATION OF APPROXIMATELY 20 FEET OF 2#12, #12G CONDUCOTS AND 3/4"C CONDUIT.
- 5 CONDUIT AND CONDUCTORS FOR NORTH GATE TO PENETRATE BUILDING AT THIS LOCATION. COORDINATE WITH CIVIL TRADE FOR EXACT LOCATION OF PENETRATION. REFER TO ES101 FOR CONDUIT AND GATE LOCATIONS.
- 6 PROVIDE 120V POWER TO MAGNETIC DOOR HOLDER. PROVIDE CONNECTION, CONDUIT AND CABLING.
- 7 PROVIDE 120V POWER FOR ACCESS CONTROL PANEL.



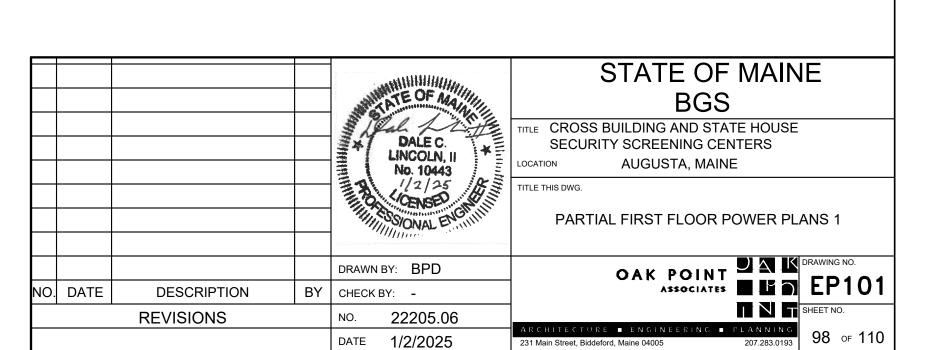
AUTOMATIC RECEPTACLE CONTROL DIAGRAM NOTES:

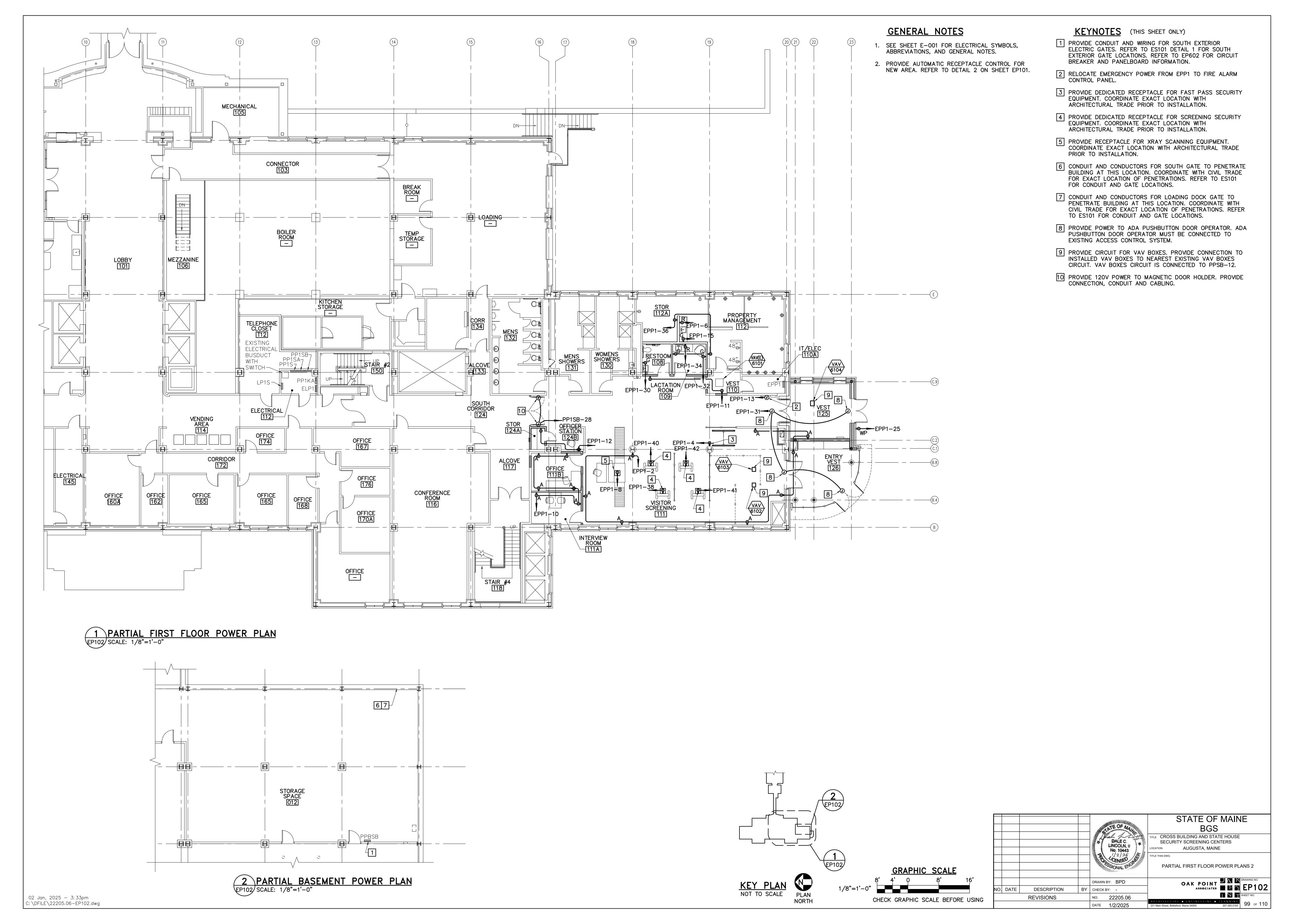
- REFER TO PLANS FOR RECEPTACLE QUANTITIES AND ROOM CIRCUIT.
   PROVIDE LABOR TO AIM, ADJUST AND COMMISSION OCCUPANCY SENSORS.
- 3. REFER TO PLANS FOR OCCUPANCY SENSOR TYPE (WALL OR CEILING MOUNTED).
- 4. INSTALL POWER PACK/RELAY ABOVE ACCESSIBLE CEILING. ANNOTATE LOCATION ON AS-BUILT PLANS.
  5. PROVIDE SEPARATE RELAY POWER PACK FOR EACH CIRCUIT WHERE AREAS INCLUDE MORE THAN ONE RECEPTACLE CIRCUIT.
- 6. WIRE DUPLEX RECEPTACLES WITH (1) AUTOMATIC SHUT OFF CONTROLLED OUTLET AND (1)
- NON-CONTROLLED OUTLET. THE CONTROLLED RECEPTACLE MUST BE ON TOP. 7. PROVIDE RECEPTACLE LABELED WITH THE SYMBOL AND THE WORD "CONTROLLED" PER NEC 406.3.

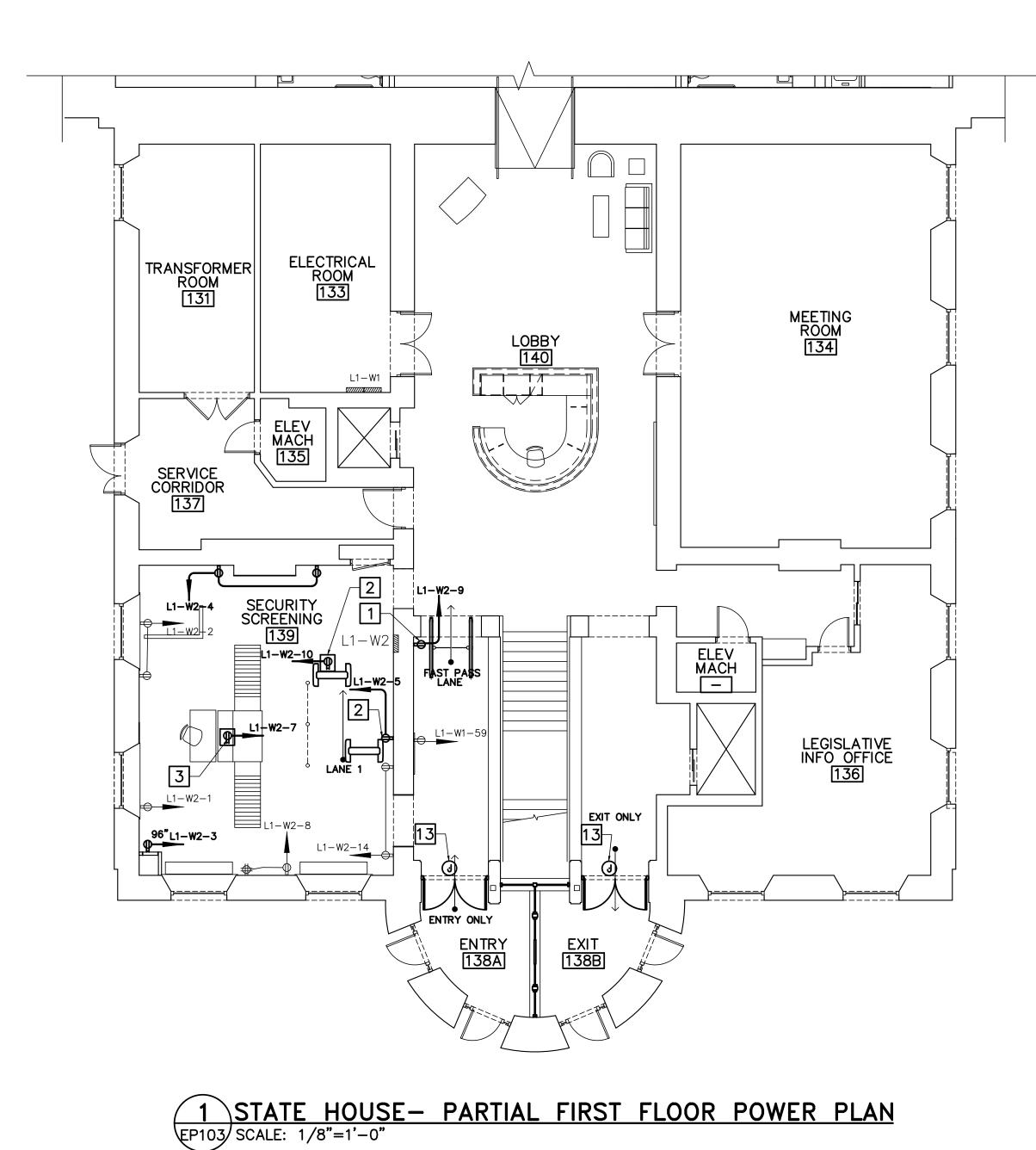
2 AUTOMATIC RECEPTACLE CONTROL DIAGRAM
EP101 NOT TO SCALE

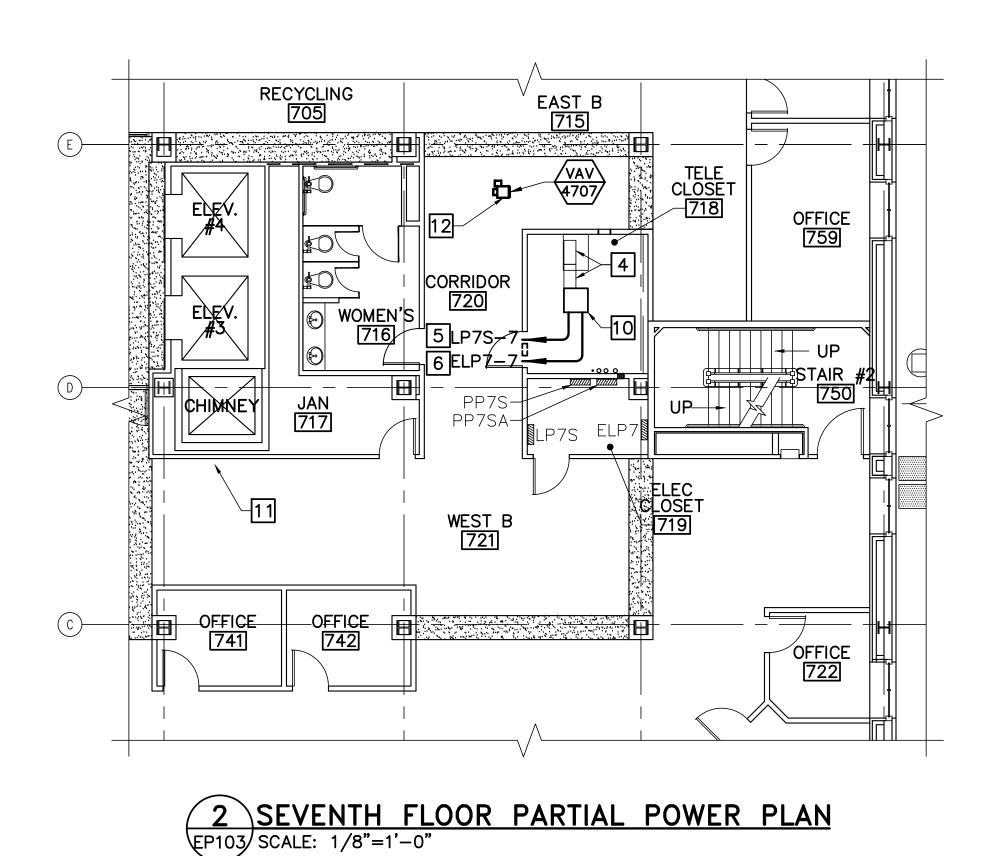


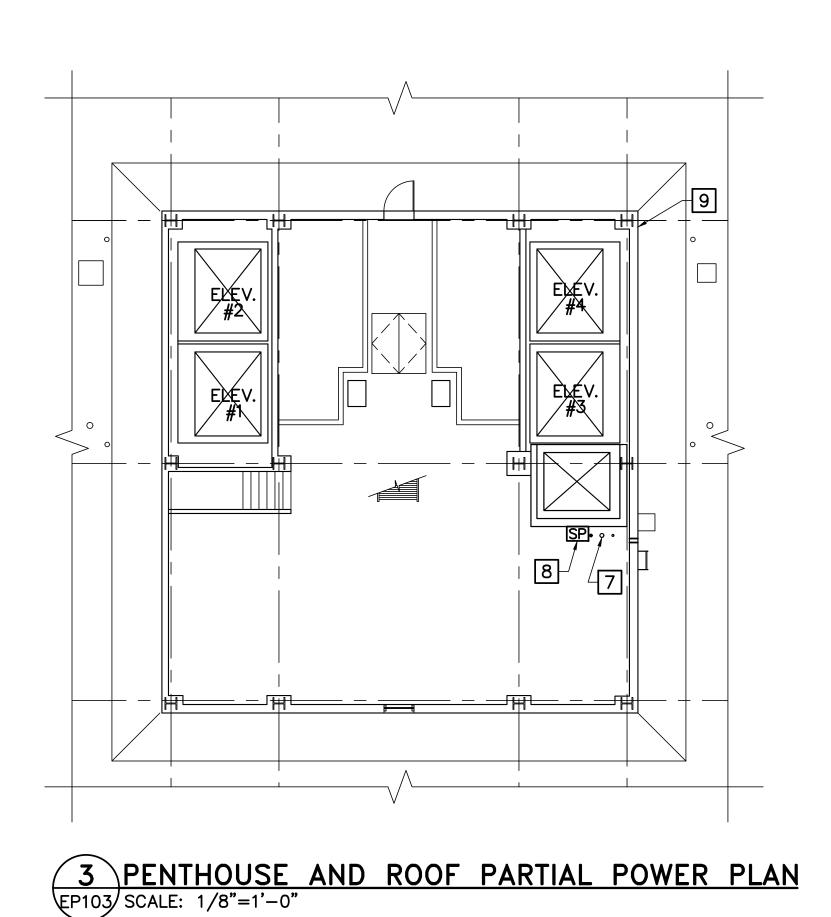
PLAN NORTH

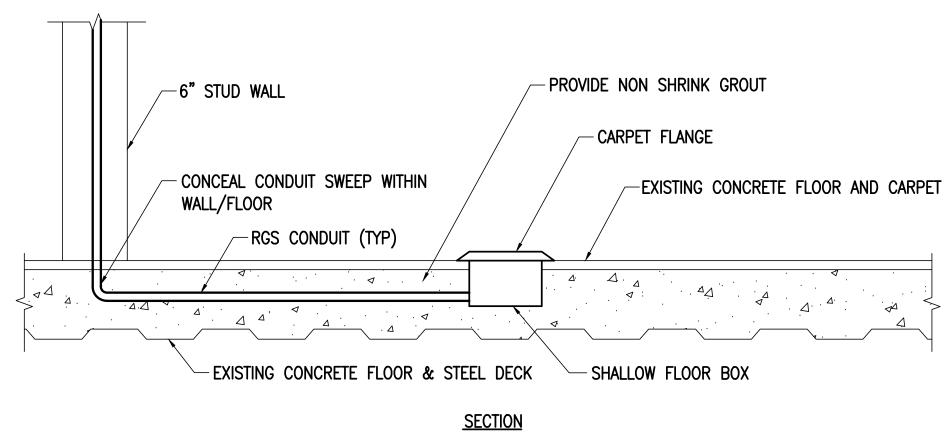












FLOOR BOX INSTALLATION DETAIL NOTES:

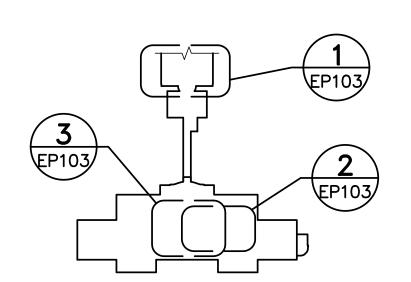
- 1. PROVIDE SLAB ON GRADE RATED FLOOR BOX FOR CONFERENCE ROOM 102H AND SECURITY SCREENING 139. 2. PROVIDE TWO GANG SHALLOW FLOOR BOX. BASIS OF DESIGN: WIREMOLD 880M2. LENGTH: 7-15/16", WIDTH:
- 4-13/16", DEPTH: 2-15/32".
- 3. PROVIDE INSTALLATION IN COMPLIANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. 4. REMOVE PORTION OF THE EXISTING FLOOR TO ACCOMMODATE CONDUITS AND FLOOR BOX. COORDINATE WITH
- ARCHITECTURAL TRADE. 5. COORDINATE THE FLOOR BOX LOCATION AND CONDUIT ROUTING WITH THE CONTRACTING OFFICER PRIOR TO START OF
- 6. COLOR OF THE CARPET FLANGE MUST BE COORDINATED WITH THE CONTRACTING OFFICER FROM THE
- MANUFACTURER'S STANDARD RANGE. 7. PROVIDE COVER PLATES TO ACCOMMODATE INSTALLED DEVICES.
- 8. ATTACH FLOOR BOX TO STEEL DECK WITH MECHANICAL FASTENERS

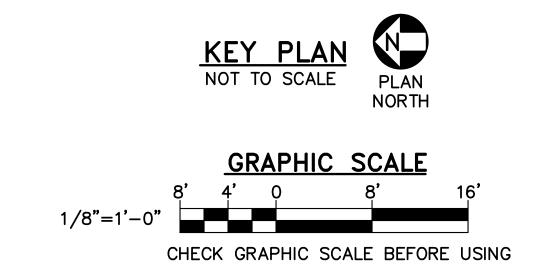
4 FLOOR BOX INSTALLATION DETAIL
EP103 NOT TO SCALE

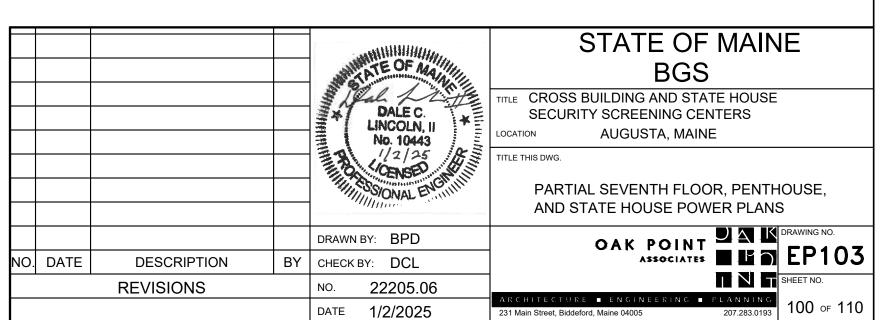
# **GENERAL NOTES**

- 1. SEE SHEET E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
- 2. COORDINATE WITH ARCHITECTURAL TRADE FOR WALL AND FLOOR PENETRATIONS.
- 3. INSTALL ANTENNA CABLES FROM TELE CLOSET 718 TO ANTENNA LOCATION. STATE OF MAINE RADIO OPERATIONS TO FURNISH CABLES AND EQUIPMENT AND DEVICE TERMINATIONS FOR ANTENNA INSTALLATION.

- 1 PROVIDE DEDICATED RECEPTACLE FOR FAST PASS SECURITY EQUIPMENT. COORDINATE EXACT LOCATION WITH ARCHITECTURAL TRADE PRIOR TO INSTALLATION.
- 2 PROVIDE DEDICATED RECEPTACLE FOR SCREENING SECURITY EQUIPMENT. COORDINATE EXACT LOCATION WITH ARCHITECTURAL TRADE PRIOR TO INSTALLATION.
- 3 PROVIDE RECEPTACLE FOR XRAY SCANNING EQUIPMENT. COORDINATE EXACT LOCATION WITH ARCHITECTURAL TRADE PRIOR TO INSTALLATION.
- 4 EXISTING 2-POST COMMUNICATION RACKS. EXISTING RACKS TO REMAIN IN PLACE.
- 5 PROVIDE DEDICATED 20A, 277V CIRCUIT FOR ANTENNA COMMUNICATION RACK POWER SYSTEM. PROVIDE 1 SET OF 3-#10AWG, #10G, 3/4"C. ANTENNA COMMUNICATION RACK AND EQUIPMENT PROVIDED BY STATE OF MAINE RADIO OPERATIONS.
- 6 PROVIDE EMERGENCY DEDICATED 20A, 277V CIRCUIT FOR ANTENNA COMMUNICATION RACK POWER SYSTEM. PROVIDE 1 SET OF 3 #10 AWG, #10G, 3/4"C. ANTENNA COMMUNICATION RACK AND EQUIPMENT PROVIDED BY STATE OF MAINE RADIO OPERATIONS.
- 7 PROVIDE FLOOR PENETRATION FOR COMMUNICATION CABLE AND GROUNDING WIRE.
- 8 INSTALL SURGE PROTECTOR FOR ANTENNA COMMUNICATION CABLE. SURGE PROTECTOR FURNISHED BY STATE OF MAINE RADIO OPERATIONS. PROVIDE #2 GROUND WIRE TO TELECOMMUNICATION GROUND BAR LOCATED IN TELE CLOSET
- 9 STATE OF MAINE RADIO OPERATIONS ANTENNA LOCATION.
- 10 STATE OF MAINE RADIO OPERATIONS ANTENNA COMMUNICATION
- 11 PENETRATION FROM PENTHOUSE ABOVE.
- 12 PROVIDE CIRCUIT FOR VAV BOX. PROVIDE CONNECTION TO INSTALLED VAV BOXES TO NEAREST EXISTING VAV BOXES CIRCUIT OR PANELBOARD. VAV BOXES CIRCUIT IS CONNECTED TO PP7SA-36.
- CONNECT ADA DOOR OPERATORS TO EXISTING BRANCH CIRCUIT WIRING AND CONDUIT. CONNECT TO ACCESS CONTROL SYSTEM.







CKT AMF	S PER PHAS	SE	DECODIDATION	LOAD	CKT	BKR	CKT	BKR	LOAD	DECODIDATION	AMPS	S PER P	HASE	CK <sup>-</sup>
NO A	В	С	DESCRIPTION	TYPE	TRIP	POLE	TRIP	POLE	TYPE	DESCRIPTION	Α	В	С	NO
1 ·		$\overline{}$	REC - RM 127 OFFICE	R	20	1	20	1	R	REC - SCREENING VEST. AND LOBBY	12		$\supset \subset$	2
3	· •	<<	COPIER RM 127	R	20	1	20	1	R	REC - FAST PASS SECURITY	> <	3		4
5		•	REC - RM 127 SOUTH WALL	R	20	1	20	1	R	REC - REFRIGERATOR	><	><	1.5	6
7 .		$\bigvee$	REC - RM 127 WEST WALL	R	20	1	20	1	R	REC - SCANNING XRAY EQUIP.	10	>>		8
9		$\times$	REC - RM 127 WEST WALL	R	20	1	20	1	R	REC - OFFICE AND INTERVIEW	$\geq \leq$	10.5	$\geq$	10
11		3	REC - EAST WALL AND VEST 110	R	20	1	20	1	R	REC - OFFICER STATION	$\geq \leq$		4.5	12
13 ·		$\leq$	FIRE ALARM PNL RM 127	R	20	1	20	1	R	JB MOD FURNITURE RM 127	•	$\geq \leq$		14
15	1.5	$\times\!\!<$	REC - RM 127 KITCHEN COUNTER	R	20	1	20	1	_	HONEYWELL PNL RM 127A	$\geq \leq$	,	$\geq$	16
17			FIRE ALARM POWER SUPPLIES	R	20	1	20	1	R	REC - RM 127A	$\geq \leq$			18
19 ·		$\leq$	SECURITY CAMERAS	_	20	1	20	1	_	GEN TOUCH PAD		><		20
21	•	$\leq$	SECURITY CAMERAS	_	20	1	20	1	_	B,C,SEC	$\geq \leq$			22
23			SECURITY CAMERAS	_	20	1	20	1	L	TRAC LTS	$\geq \leq$			24
25 <b>1.5</b>		$\leq$	REC - EXTERIOR VEST. REC	_	20	1	20	1	R	REC - RM 119A		><		26
27		$\times$	REC — TELECOM	R	20	1	20	1	R	REC — TELECOM	$\geq \leq$			28
29			AC UNIT IN BCC	М	20	1	20	1	_	REC — RESTROOM	><		1.5	30
31 6		$\leq$	ADA PUSHBUTTON CONTROLLER	_	20	1	20	1		REC - LACATION RM	3	><		32
33		$\times$	OUTLETS NEW WALL	_	20	1	20	1		REC - LACT. REFRIGERATOR	$\geq \leq$	1.5		34
35			OUTLETS NEW WALL	_	20	1	20	1		REC - PROP. MGNT. STORAGE	$\geq \leq$		3	36
37 ·		$\leq$	SPARE (ABOVE CEILING BCC)	_	20	1	20	1	_	REC - SCREENING EQUIPMENT	_ 15.5	><	$\geq$	38
39		$\times$	SPARE (ABOVE CEILING BCC)	_	20	1	20	1	_	REC - SCREENING EQUIPMENT	$\geq \leq$	15.5		40
41	1	5.5	REC — SCREENING EQUIPMENT	_	20	1	20	1		REC - SCREENING EQUIPMENT	$\geq \leq$		15.5	42
			TOTAL/PHASE VOLTS: 120/208, 3	3 PHAS	E, 4 \	WIRE						TION: E		
			CODE AMPS MCB:			MCB	AMPS	s: 100		l	_OCATIO	N: STOR	RAGE 12	<u>2</u> 5A

SQU. NF 1	ARE D 12-1248	89335–0	)45	REVISED P	ANELBOAR	D S	CHE	DUL	E EL	.P1	(EXIS	STING PANELBOARD)			
CKT	AMPS	S PER PI	HASE	DECODIDATION		LOAD	CKT	BKR	CKT	BKR	LOAD	DECODIDITION	AMPS	PER PHASE	E CKT
NO	Α	В	С	DESCRIPTION		TYPE	TRIP	POLE	TRIP	POLE	TYPE	DESCRIPTION	Α	ВС	NO
1	•		> <	EMERGENCY LTG NORTH	WEST	L	20	1	20	1	_	SPACE			2
3	$\nearrow$	•	><	EMERGENCY LTG NORTH	EAST	L	20	1	20	1	_	SPACE		· >	4
5			•	EMERGENCY LTG SOUTH	WEST	L	20	1	20	1	_	SPACE			6
7				SPARE		L	20	1	20	1	_	SPACE	•	>>>	8
9				EMERGENCY LTG SOUTH	EAST	L	20	1	20	1	_	SPACE		· >	$\bigcirc$ 10
11	$>\!\!<$	><	•	SPARE		_	20	1	20	1	_	SPACE		-	12
								_							
				TOTAL/PHASE VOLTS:	277/480, 3	PHAS	E, 4 \	VIRE					DESIGNA	TION: ELP1	
				CODE AMPS MCB: [				МСВ	AMPS	: 100			LOCATION	N: ELEC 112	
				TOTAL = CODE MLO:				BUS	AMPS	: 100			MOUNTIN	G: STRUT	
				AMPS X 1.25   FAULT	AMPS: 18,000	С									

NO A  1	PER PHA B	C	DESCRIPTION  LTG - PANEL LPBS  LTG - PANEL LP2S	TYPE -	-	P POL	E TR	KT BKR	_	DESCRIPTION	Α	S PER P	С	_CK1 NO
5 7 · 9 11 13 ·		•	•	_	60	) 3	7						*	
5 7 · 9 11 13 ·			TG - PANFI IP29				-	0   1	L	LTG - RMS 101, 102, 103, 105, 106		> <		2
7 · 9 · 11 · 13 · ·			TG - PANFI IP29				20	0 1	L	LTG - RMS 107-111, 130-132, 135	><	•	>>	4
11 13 ·			TG - PANFI IP29			•	2	0 1	L	LTG - RMS 113,117, 124, 126, 163, 167, 170-176	><	$\searrow$		6
11 13 ·		><	LIO I ANLL LI ZO	<u>-</u>	60	) 3	2	0 1	L	LTG - RMS 160, 162, 165, 166, 168	•	$\searrow$	$\geq$	8
	><	_					2	0 1	L	LTG - RMS 116, 119-121	$\geq \leq$	•	$\geq$	10
			<b></b>	•		<u> </u>	2	0 1	L	LTG - RMS 102	$\geq \leq$	$\geq \leq$		12
	$\geq \langle \rangle$	<u></u> Ι	LTG - PANEL LP3S		60	) 3	2	0 1	L	LTG - SCREENING AREA	4.9	><	$\geq$	14
15		><					2	0 1	L	LTG - PROPERTY MANAGEMENT	$\geq \leq$	1.3	$\geq$	16
17	><		<b>,</b>	•			2	0 1	_	_	$\geq \leq$	$\geq \leq$		18
19 ·	$\geq \langle \rangle$	<u></u> Ι	LTG - PANEL LP4S		60	) 3	2	0 1	_	_		><		20
21		><					2	0 1	_	_	$\geq \leq$		$\geq$	22
23	><		<b>,</b>	•			2	0 1	_	_	$\geq \leq$	$\geq \leq$		24
25 ·	$\geq \langle \rangle$	>	LTG - PANEL LP5S	_	60	) 3	2	0 1	_	_		> <		26
27		><					2	0 1	_	_	$\geq \leq$		$\geq$	28
29	><		<b>,</b>	•			2	0 1	_	_	$\geq \leq$	$\geq \leq$		30
31 ·	$\geq \leq$	<u>&gt;</u> ا	LTG — PANEL LP6S	_	60	) 3	20	0 1		_		><		32
33	·	><					20	0 1		_				34
35	$\geq \leq$	·	•	•			20			_	><	$\geq \leq$	·	36
37 ·	$\geq \leq$	<u>&gt;</u> ا	LTG — PANEL LP7S	_	60	) 3	20	0 1		_		><		38
39		><					20			_				40
41	><	•	•		•		20	0   1		_	><	><		42
			TOTAL/PHASE VOL	_TS: 480/277, 3 PHA	SE, 4	- WIRE	Ξ				DESIGNA	tion: Lf	<sup>2</sup> 1S	
			CODE AMPS MC	B: 🗌		МС	CB AM	PS: 40	C		LOCATIO	N: ELEC	112	

NQC	JARE D DD442L2	25CU		REVISED PANELBOA	ARD SC	CHEC	ULE	PP	1NA	(EXI	STING PANELBOARD)				
CKT	AMPS	PER P	HASE	DESCRIPTION	LOAD	CKT	BKR	CKT	BKR	LOAD	DESCRIPTION	AMP:	S PER P	'HASE	Ck
NO	А	В	С	DESCRIPTION	TYPE	TRIP	POLE	TRIP	POLE	TYPE	DESCRIPTION	Α	В	С	ΠN
1	•	$\mathbb{N}$		REC - RM 140	R	20	1	20	1	R	REC - RM 136	•			
3	>	•	>>	REC - RM 141	R	20	1	20	1	R	SPARE 2	$\sim$			
5	>	$\mathbb{X}$	•	REC - RM 143, 144, 149	R	20	1	20	1	R	SPARE 2	$\sim$			
7	•	$\mathbb{X}$	><	REC — RM 138, 139	R	20	1	20	1	R	REC - RM 154	•			
9	><	•	$\nearrow$	ELEC WATER COOLER	R	20	1	20	1	R	REC - RM 154	$\sim$			
11	$>\!\!<$	$\mathbb{X}$	•	REC - RM 147	R	20	1	20	1	R	REC - RM 154	$\sim$			1
13	•	$\mathbb{X}$	><	REC - RM 146	R	20	1	20	1	R	REC - RM 151 E & W WALL	•		$\supset <$	
15	$>\!\!<$	•	><	REC - RM 148	R	20	1	20	1	R	REC - RM 151 NORTH WALL	$\sim$			(
17	><	$\mathbb{X}$	•	JB MOD FURNITURE RM 148	R	20	1	20	1	R	REC - RM 151 NORTH WALL	$\sim$			
19	•	$\mathbb{X}$	><	JB MOD FURNITURE RM 148	R	20	1	20	1	R	REC - RM 151 NORTH WALL	•			
21	><	•	$\nearrow$	JB MOD FURNITURE RM 148	R	20	1	20	1	R	REC - RM 151 NORTH WALL	$\sim$			
23	><	$\mathbf{X}$	•	JB MOD FURNITURE RM 148	R	20	1	20	1	R	REC - RM 151 NORTH WALL	$\sim$			2
25	•	$\mathbf{X}$	><	JB MOD FURNITURE RM 148	R	20	1	20	1	R	REC - RM 151 NORTH WALL	•			( '
27	><	•	><	JB MOD FURNITURE RM 148	R	20	1	20	1	R	REC - RM 151 NORTH WALL	$\sim$			(
29	><	> <	•	JB MOD FURNITURE RM 148	R	20	1	20	1	R	REC - RM 151 SOUTH WALL	$\sim$			,
31		> <	$\geq <$	JB MOD FURNITURE RM 148	R	20	1	20	1	R	REC - RM 151 SOUTH WALL				
33	$\geq \leq$	•	><	REC - RM 112	R	20	1	20	1	R	REC - RM 151 SOUTH WALL				
35	$\geq \leq$	$\geq \leq$		REC — SERVER CAB	R	20	1	20	1	R	REC - RM 151 SOUTH WALL	><			]
37		$\geq \leq$	$\geq \leq$	REC - RM 112	R	20	1	20	1	R	REC - RM 151 SOUTH WALL	,	$\geq$		
39	$\geq \leq$		$\geq \leq$	SPARE	_	20	1	20	1	R	REC - RM 151 SOUTH WALL				4
41	$\geq$	$\geq \leq$	•	SPARE		20	1	20	1	R	REC - RM 151 SOUTH WALL			•	
-				TOTAL/PHASE VOLTS: 120/208  CODE AMPS MCB: □  TOTAL = CODE MLO: ⊠  AMPS X 1.25 FAULT AMPS: 65		E, 4	мсв	AMPS AMPS				DESIGNA LOCATIO MOUNTIN		140	

SQL NQ(	JARE D D442L2	225CU	PANELBOARD	SCHED	ULE	PP1	ISB	(EXI	STIN	G PANELBOARD)				
СКТ	AMPS	S PER P	PHASE	LOAD	CKT	BKR	CKT	BKR	LOAD	DECODIDATION	AMPS	S PER F	PHASE	СКТ
NO	Α	В	DESCRIPTION	TYPE	TRIP	POLE	TRIP	POLE	TYPE	DESCRIPTION	А	В	С	
1	•		REC - VENDING AREA 114	R	20	1	20	1	_	SPARE				2
3	> <		REC - VENDING AREA 114	R	20	1	20	1	_	SPARE				4
5	> <		· REC - VENDING AREA 114	R	20	1	20	1	R	REC - LOBBY 101			1	6
7	•		REC - VENDING AREA 114	R	20	1	20	1	_	DOOR HOLDER STAIR 102	•			8
9	> <		REC - VENDING AREA 114	R	20	1	20	1	_	DOOR OPERATOR VEST 125			$\overline{}$	10
11			· REC - VENDING AREA 114	R	20	1	20	1	М	VAV BOXES SOUTH				12
13	•		REC - LOBBY 101	R	20	1	20	1	R	OVERHEAD DOOR LOADING DOCK	•			14
15	> <		REC - PUMP	М	20	1	20	1	R	OVERHEAD DOOR LOADING DOCK			$\overline{}$	16
17	> <		· SUMP PUMP MANHOLE	М	20	1	20	1	R	RADIANT HEAT MECH RM 015			1	18
19	•		HONEYWELL SECURITY	_	20	1	20	1	R	_	•			20
21	> <		AIR PURIFICATION SYSTEM	_	20	1	30	2	_	DRYER LOADING DOCK		•	$\supset$	22
23	> <		· SUMP PUMP MANHOLE	М	20	1			V	•			1	24
25	•		_	_	_	_	20	1	_	WASHER LOADING DOCK	•			26
27	> <		_	_	_	_	20	1	_	DOOR HOLDER - CORRIDOR 124		1	$\overline{}$	28
29	> <		·  -	_	_	_	_	_	_	_			1	30
31	•		_	_	_	_	_	_	_	_	•			32
33	> <		_	_	_	_	_	_	_	_		•	$\supset$	34
35	> <		· _	_	_	_	_	_	_	_				36
37	•		_	_	_	_	_	_	_	_	•		$\supset <$	38
39	> <		_				_		_	_		•		40
41				_	_	_	_	_	_	_				42
			TOTAL/PHASE VOLTS: 120/208  CODE AMPS MCB: ☐  TOTAL = CODE MLO: ☑  AMPS X 1.25 FAULT AMPS: 6		<u> </u> E, 4 \	МСВ	AMPS AMPS	S: 100 S: 100			DESIGNA LOCATIO MOUNTIN	N: ELEC	112	

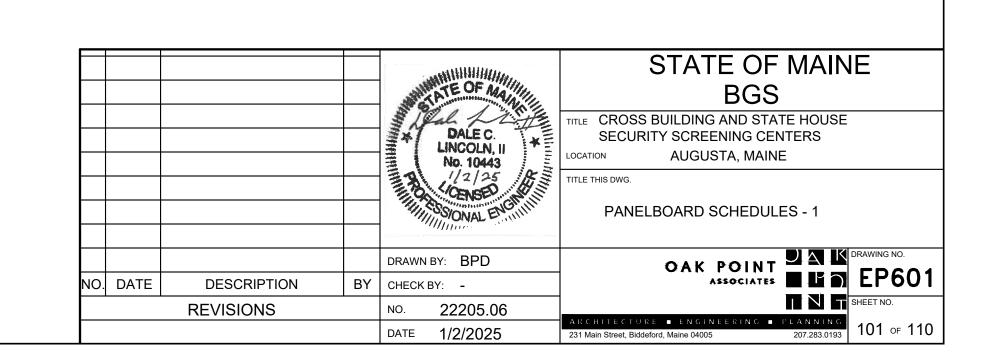
SQU NF	ARE D 12-124	89335-0	041	(REVISED) PANELBOA	ARD S	SCHE	DUL	E L	P1N	(EXI	STING PANELBOARD)				
СКТ		S PER P	1	DESCRIPTION	LOAD			CKT			DESCRIPTION	AMPS	PER P	1	СКТ
NO	A	В	C		TYPE			TRIP	POLE	TYPE		A	В	С	NO
1	•	><	$\geq \leq$	LTG — PANEL LPBN	R	60	3	20	1	_	LTG - RMS 144, 152, 154		> <		2
3	$\geq \leq$		><					20	1	_	LTG - RMS 143, 145-148, 151			><	4
5	$\geq \leq$	$\geq \leq$			•			20	1		LTG - RMS 136, 156, 157		$\geq \leq$		6
7	•	><	$\geq$	LTG — PANEL LP2N		60	3	20	1		LTG - RMS 137-142	•	><	><	8
9	><		><					20	1	_	OUTSIDE LOADING DOCK LTG		•	><	10
11	><				<b>↓</b>			20	1	_	LTG - CAPITAL POLICE OFFICE		><	3	12 <b>1</b>
13	•	><	><	LTG - PANEL LP3N	<del>-</del>	60	3	20	1	_	SPARE	•	><		14
15	> <	•	> <					20	1	_	SPARE	$\searrow$	•	><	16
17	> <	>	•					20	1	_	SPARE		> <	•	18
19	•		> <	LTG - PANEL LP4N	_	60	3	20	1	_	SPARE	•	$\overline{}$	> <	20
21	> <	•						20	1	_	_		•		22
23		$\overline{}$	•				ļ	20	1	_	_		$\overline{}$		24
25	•			LTG - PANEL LP5N	<u>-</u>	60	3	20	1	_	_				26
27	$\overline{}$							20	1	_	_				28
29	$\overline{}$		•				ļ	20	1	_	_		$\overline{}$		30
31	•			LTG - PANEL LP6N	<u>-</u>	60	3	20	1	_	_				32
33	$\overline{}$							20	1	_	_				34
35		$\overline{}$	•				ļ	20	1	_	_		$\overline{}$		36
37	•			_	<u> </u>	20	1	20	1	_	_		>>		38
39	> <			_	_	20	1	20	1	_	_		•		40
41	>>		1 .	_	_	20	1	20	1	_	_		>		42
								•			,				
				TOTAL/PHASE   VOLTS: 480/277,	3 PHAS	E, 4 V	VIRE					DESIGNA	TION: LF	P1N	<b>-</b>
				CODE AMPS MCB:				AMPS	: 400			LOCATIO			
				TOTAL = CODE MLO:				AMPS				MOUNTIN			
				AMPS X 1.25   FAULT AMPS: 18,0	00										

CKT	AMPS	PER PI	HASE	DECODIDION	LOAD	CKT	BKR	CKT	BKR	LOAD	DESCRIPTION	AMPS	S PER P	'HASE	CK
NO	Α	В	С	DESCRIPTION	TYPE	TRIP	POLE	TRIP	POLE	TYPE	DESCRIPTION	Α	В	С	N
1	•	><	><	REC - STAIRS 153	R	20	1	20	1	<del>_</del>	CAFETERIA LIGHTING		$\geq \leq$		2
3	$\geq \leq$		>>	CUH-1	_	20	1	20	1	_	DOOR OPERATOR VEST 155				4
5	><	$\geq \leq$	•	DOOR HOLDERS	_	20	1	20	1	_	VAV BOXES	$\geq$	$\geq \leq$		6
7		><		SPARE	_	20	1	20	1	_	HONEYWELL SECURITY FAN		><		8
9	$\geq \leq$		>>	KITCHEN EX-FAN	_	20	1	20	1	_	CAFETERIA LIGHTING				10
11	><	$\geq \leq$	•	SPARE	_	20	1	20	1	_	SHOWCASE LIGHTING CAFE	$\geq$	$\geq \leq$		1.
13		><		SPARE	_	20	1	20	1	_	SPARE		><		1
15	><	10.5	$\sim$	REC - LIEUT OFFICE AND EVIDENCE RM	_	20	1	20	1	_	REC - MAIL AND EQUIP		7.5		1
17	><	><	9	REC - OFFICE	_	20	1	20	1	_	REC - WORK STATIONS		><	12	1
19	9	$\geq \leq$	$\geq$	REC - SGT. OFFICE	_	20	1	20	1	_	REC - ADMIN	9	$\geq \leq$		2
21	$\geq \leq$	7.5	>>	REC - CONFERENCE RM	_	20	1	20	1	_	REC - ADMIN PRINTER		1.5		2
23	><	><	1.5	REC - CONFERENCE RM COUNTER	_	20	1	20	1	_	REC - RADIO CHARGING STATION		><	3	2
25	1.5	><		REC - CONFERENCE RM TV	_	20	1	20	1	_	REC - SP-1	4.4	><		2
27	$\geq \leq$	1.5	$\searrow$	REC - CONFERENCE RM TV	_	20	1	20	1	_	DOOR HOLDER - VEST 102		1		2
29	><	$\geq \leq$	3	REC - CONFERENCE RM FLOOR	_	20	1	20	1	_	_	$\geq$	$\geq \leq$		3
31		><		_	_	20	1	20	1	_	_		><		3
33	$\geq \leq$	•	$\searrow$	_	_	20	1	20	1	_	_				$\int 3$
35	><	><	•	_	_	20	1	20	1	<u> </u>	_		><	<u> </u>	3
37		><		_	_	20	1	20	1	_	_		><		3
39	$\geq \leq$	•	$\searrow$	_	_	20	1	20	1	_	_				4
41	><	><	•	_	_	20	1	20	1	_	_	$\geq$	><		4
				TOTAL/PHASE VOLTS: 120/208,	3 PHASI	Ξ, 4 ν	VIRE					DESIGNA	TION: P	P1NB	
				CODE AMPS MCB:			MCB	AMPS	S: 100			LOCATIO	N: ELEC	140	
				TOTAL = CODE   MLO: $\boxtimes$   AMPS X 1.25   FAULT AMPS: 65.0			BUS	AMPS	S: 100			MOUNTIN	IG: SURF	ACE	

 UNLESS NOTED OTHERWISE, PROVIDE CIRCUIT BREAKER AND CONNECT CIRCUIT IN EXISTING PANELBOARD.

# <u>KEYNOTE</u>

- 1 CONNECT CIRCUIT TO EXISTING SPARE CIRCUIT BREAKERS IN EXISTING PANELBOARD.
- 2 REMOVE CONDUCTORS FROM EXISTING CIRCUIT BREAKER. UPDATE PANELBOARD DIRECTORY TO DESIGNATE SPARE CIRCUIT BREAKER.
- 3 PROVIDE GROUND FAULT CIRCUIT BREAKER FOR REFRIGERATOR CIRCUIT.
- 4 PROVIDE CIRCUIT BREAKER FOR FIRE ALARM CONTROL PANEL. PROVIDE RED IDENTIFICATION TO CIRCUIT DISCONNECTING MEANS, FIRE ALARM CIRCUIT MUST BE SECURED IN THE "ON" POSITION, PROVIDE LOCKING DEVICE OR LOCKING CIRCUIT BREAKER.



SQUA NQOI	ARE D 0430L1	00CU		REVISE	D PANELBOAR	RD SC	HED	ULE	L1-	-W2	(EX	ISTING PANELBOARD)				
CKT_ NO	AMPS	S PER P	HASE C	DESCRIPTION		LOAD TYPE		BKR POLE			LOAD TYPE	DESCRIPTION	AMPS	S PER P	HASE C	CKT NO
1	1.5			REC - NORTH V	WALL	R	20	1	20	1	R	REC - NORTH WALL	1.5		Š	2
3	> <	1.5		REC - TELEVISI	ON	R	20	1	20	1	R	REC - EAST WALL		3		4
5	> <		15.5	REC - SCREENI	NG EQUIP.	R	20	1	20	1	-	SPARE			٠	6
7	10	$\geq \leq$	$\geq \leq$	REC - SCANNIN	IG XRAY EQUIP.	R	20	1	20	1	R	REC - WEST WALL	4.5		><	8
9	$\geq \leq$	0.7	$\geq \leq$	REC - SEC. TU	RNSTILE EQUIP	R	20	1	20	1	R	REC - SCREENING EQUIPMENT		15.5	$\geq \leq$	10
11	><			SPARE		_	20	1	20	1		SPARE				12
13	•	$\geq$	SPARE SPARE				20	1	20	1	R	REC - SOUTH WALL	3	$\geq \leq$		14
15	$\geq \leq$		$\geq \leq$	SPARE		_	50	2	20	1		SPARE			$\geq \leq$	16
17	$\geq \leq$			•		,	<u> </u>		20	1		SPARE				18
19	•	$\geq$		SPARE		_	20	1	20	1		SPARE		$\geq \leq$		20
21	$\geq \leq$		$\geq \leq$	SPARE		_	20	1	20	1		SPARE			$\geq \leq$	22
23	$\geq \leq$			SPARE		_	20	1	20	1		SPARE				24
25	•	$\geq$		SPARE		_	20	2	20	1	L	LIGHTING		$\geq \leq$		26
27	$\geq \leq$		$\geq \leq$	•		,	<u> </u>		30	2	_	SPARE			><	28
29	$\geq <$	><	٠	SPARE		_	20	1		v			$\rightarrow$	$\geq \leq$	•	30
																_
	20.5	20.7	15.5	TOTAL/PHASE	VOLTS: 208/120,	3 PHAS	E, 4 V	MIRE					DESIGNA			
					мсв:			MCB	AMPS	: 100			LOCATIO	N: SEC.	SCREEN	1ING
					MLO: 🛛			BUS	AMPS:	100			MOUNTIN	IG: RECE	SSED	
					FAULT AMPS: 22,0	000										

SQUARE D			DD 66				DCD	<b>/ - \ / 1</b>					
NQOD442L225CU		REVISED PANELBOA	RD SC	HEL	ULL	. PP	R2R	(EXI	STING PANELBOARD)				
CKT AMPS PER PI	HASE	DECODIDATION	LOAD	CKT	BKR	CKT	BKR	LOAD	DECCRIPTION	AMPS	S PER P	HASE	СКТ
NO A B	С	DESCRIPTION	TYPE	TRIP	POLE	TRIP	POLE	TYPE	DESCRIPTION	А	В	С	ои
1 .		UNKNOWN	_	30	3	20	1	_	UNKNOWN	•		><	2
3	><					20	1	_	UNKNOWN		•	><	4
5	•		<b> </b>		V	20	1	_	UNKNOWN			•	6
7 .		UNKNOWN	_	20	1	20	1	_	LOADING DOCK SWING GATE 1	2		><	8
9 .	$\geq <$	_	_	_	_	20	1	_	LOADING DOCK SWING GATE 2		2	$\geq <$	10
11	•	_	_	_	_	20	1		SOUTH ARM GATE			2	12
13 .		_	_	_	_	_	_	_	_	•		><	14
15	><	_	_	_	_	_	1	_	_		•	><	[ 16 ]
17	•	_	_	_	_	_	1	_	_		><	•	18
19 ·	><	_	_	_		_	_	_	_	•	><	><	20
21 .	><	_	_	_		_	_	_	_			><	22
23	•	_	_	_		_	_	_	_			•	24
25 ·		_	_	_		_	_	_	_	•	><	><	26
27 .		_	_	_		_	_	_	_			><	28
29	•	_	_	_	-	_	_	_	_		><	•	30
31 ·	><	_	_	_	-	_	_	_	_	•	><	><	32
33	><	_	_	_	-	_	_	_	_			><	34
35	•	_	_	_	-	_	_	_	_		><	•	36
37 ·		MAIN BREAKER	_	60	3	_	_	_	_	•	><	><	38
39 .						_	_	_	_		•		40
41	•					_	_		_			•	42
		TOTAL/PHASE VOLTS: 120/208,	3 PHASI	Ξ, 4 \	WIRE	_				DESIGNA	TION: PI	PBSB	_
		MCB: ⊠			мсв	AMPS	s: 60			LOCATIO	N: PLAN	STOR	012
		MLO:					: 225			MOUNTIN	NG: SURF	ACE	
		FAULT AMPS: 10,0	000										

	JARE D OD442L2	25CU		REVISED PANELBOA	RD SO	CHEC	ULE	: PP	BNA	(EXI	STING PANELBOARD)				
CKT	AMPS	PER P	HASE	DESCRIPTION	LOAD	CKT	BKR	CKT	BKR	LOAD	DESCRIPTION	AMPS	PER P	HASE	СКТ
NO	Α	В	С	T DESCRIPTION	TYPE	TRIP	POLE	TRIP	POLE	TYPE	DESCRIPTION	А	В	С	NO
1	•	><	><	UNKNOWN	_	20	1	40	2	_	UNKNOWN	•	>>		2
3	><	•	><	SUMP PUMP (SPRINKLERS)	_	20	1		V	. ↓			•		4
5	><	><	•	REC - SERVER RM.	_	20	1	20	1	_	NORTH ARM GATE		> <	2	6
7	•	><	><	REC - SERVER RM.	_	20	1	20	1	_	ACCESS CONTROL PANEL	1	><		8
9	><	•	><	REC - SERVER RM.	_	20	1	_	1	_	_		•		10
11	><	><	•	_	_	_	_	_	-	_	_		>>		12
13	•	><	><	_	_	_	_	_	1	_	_	•	><		14
15	><	•	><	_	_	_	_	_	1	_	_		•		16
17	><	><	•	-	_	_	_	_	1	_	_		>><		18
19	•	><	><	_	_	_	_	_	1	_	_		><		20
21	><	•	><	_	_	_	_	_	1	_	_		•		22
23	><	> <	•	-	_	_	_	_	_	_	-		> <	•	24
25	•	> <		_		_	_		-	_	_	•	> <		26
27	><	•		_		_	_		-	_	_		•		28
29	><	> <	•	-	_	_	_	_	_	_	-		> <	•	30
31	•	> <		_		_	_		-	_	_	•	> <		32
33	><	•		_		_	_		-	_	_		•		34
35		> <		_	_	_	_	_	_	_	-		> <		36
37	•	$\overline{}$	> <	_	_	_	_	_	_	_	-	·			38
39	><	•		_	_	_	_	_	-	_	-		٠		40
41		$\overline{}$	•	_	_	_	_	_	_	_	-		>	•	42
					•		•								
				TOTAL/PHASE VOLTS: 120/208,	3 PHAS	E, 4 \	WIRE					DESIGNA	TION: 2	25	_
				MCB:				AMPS	: 60			LOCATIO	N: PLAN	N STOR	07
				MLO: 🖂				AMPS				MOUNTIN	IG: SURF	ACE	
				FAULT AMPS: 10,0	000										

	-	JARE D -12-124	189335-	020		PANELB	OARD	SC	HED	ULE	ELP	7 (R	EVISED)				
[	CKT	AMPS	PER PI	HASE	DECODIDATION		LOAD	CKT	BKR	CKT	BKR	LOAD	DESCRIPTION	AMP	S PER P	'HASE	СКТ
	ио [	Α	В	С	DESCRIPTION		TYPE	TRIP	POLE	TRIP	POLE	TYPE	DESCRIPTION	А	В	С	Пои
	1	•	$\times$	> <	EMERGENCY LTG	NORTH	L	20	1	_	_	_	SPACE	•			2
	3	><	•	> <	EMERGENCY LTG	SOUTH	L	20	1	_	_	_	-		•		4
	5	$\nearrow$	$\times$	•	EMERGENCY LTG	PENTHOUSE & ELEV	L	20	1	_	-	_	_				6
2	7	15.5	$\times$	><	ANTENNA COMM	. RACK POWER SYS.	_	20	1	_	-	_	_	•			8
	9	$\nearrow$	•	><	SPARE		_	_		_	-	_	_				10
	11	$\nearrow$	$\times$	•	SPARE		_	_		_	-	_	_				12
					TOTAL/PHASE	VOLTS: 480/277, 3	3 PHAS	E, 4	WIRE					DESIGNA <sup>-</sup>	TION: EL	.P7	
						MCB:			МСВ	AMPS	: 60			LOCATION	N: ELEC	CLOSET	719
	Γ					MLO: 🛛			BUS	AMPS	: 225			MOUNTIN	G: SURF	ACE	
						FAULT AMPS: 18,00	00										

	JARE D 112-12	489335-	155	PANELE	BOARD	SC	SCHEDULE LP7S (REVISED)										
CKT NO				DESCRIPTION	LOAD TYPE		CKT BKR				DESCRIPTION	AMPS PER PHASE  A B C			CKT		
1		D		LTS - RM 721, 741, 742	L	20	1	-	- OLL	-	SPACE		В		$\frac{100}{2}$		
3			>	LTS - RM 722-731		20	1	_	_	_	_				4		
5			•	LTS - RM 715, 717, 754-759	L	20	1	_	_	_	_				6		
7	15.5		> <	ANTENNA COMM. RACK POWER SYS	5. –	20	1	_	_	_	_				8		
9			$\geq \leq$	SPARE	_	20	1	_	_	_	_			$\geq$	10		
11	$\geq \leq$			SPARE	_	20	1	_	_	_	_				12		
13			$\geq \leq$	SPARE	_	20	1	_	_	_	_		$\geq$		14		
15			$\geq \leq$	SPARE	_	20	1	_	_	_	_				16		
17		$\langle \rangle$	•	_	_	_	_	_	_	_	_				18		
19			$\Longrightarrow$	_	_	_	_		_	_	_				20		
21			<u> </u>	<del>-</del>	_	_	_	_	_	_	<del>-</del>				22		
23		$\longleftrightarrow$	·	_	_	_	_	_	_	_	_				24		
25 27			$\iff$	_	_	_		_	_		_				26		
29			<u>.</u>	_		_	_				_				30		
29															130		
				TOTAL/PHASE VOLTS: 480/277, 3 PHASE, 4 WIRE DESIGNATION: LP7S											_		
				MCB: MCB AMPS: 100  LOCATION:											719		
				MLO:		MOUNTING											
				MLO: MOUNTING: SURFACE FAULT AMPS: 18,000													

MECHANICAL AND PLUMBING EQUIPMENT SCHEDULE												
EQUIPMENT	VOLTS/PHASE	AMPS	CIRCUIT #	WIRE SIZE	CONDUIT SIZE	FUSED/NON FUSED	DISCONNECT SIZE	FUSE SIZE	STARTER			
SP-1	120/1	4.4	PP1NB-26	2#12, 1#12G	3/4"	N/A	N/A	N/A	N/A			

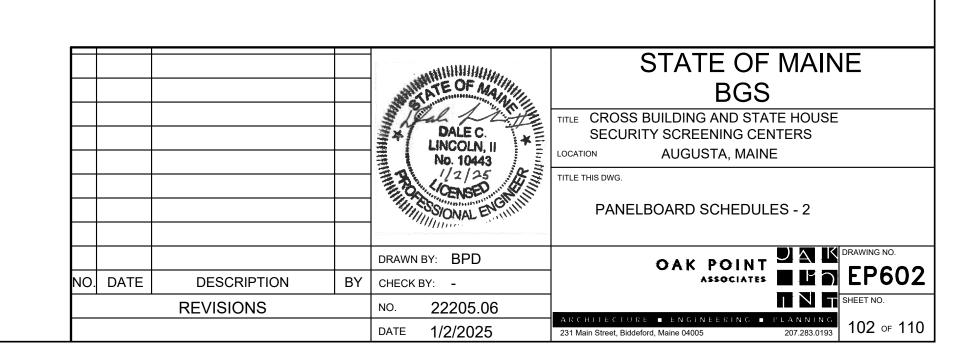
	JARE D OD442L2	225CU		PANELBOARD S	CHED	ULE	PPZ	7SA	(EX	ISTIN	G PANELBOARD)				
СКТ	AMPS PER PHASE DESCRIPTION				LOAD CKT BKR			CKT BKR		LOAD	DECODIDATION	AMPS PER PHASE			СКТ
NO	Α	В	С	1 DESCRIPTION	TYPE	TRIP	POLE	TRIP	TRIP POLE T		DESCRIPTION	А	В	С	ON
1	•	$\nearrow$		REC - RM 700	R	20	1	20	1	_	JB MOD FURNITURE 702, 715	•			2
3	> <	•		REC - RM 754	R	20	1	20	1	_	JB MOD FURNITURE 702, 715		•		4
5	><	$\mathbb{X}$	•	REC - RM 755	R	20	1	20	1	_	JB MOD FURNITURE 702, 715			•	6
7	•	$\mathbb{X}$	><	REC - RM 756	R	20	1	20	1	_	JB MOD FURNITURE 702, 715	•		$\geq$	8
9	><	•		REC - RM 757	R	20	1	20	1	_	JB MOD FURNITURE 721		•		10
11	><	$\mathbb{X}$	•	REC - RM 758	R	20	1	20	1	_	JB MOD FURNITURE 721			•	12
13	•	$\mathbf{X}$	><	REC - RM 759	R	20	1	20	1	_	JB MOD FURNITURE 721	•	><		14
15	><	•	><	REC - RM 730	R	20	1	20	1	_	JB MOD FURNITURE 721		•		16
17	><	$\times$	•	REC - RM 729	R	20	1	20	1	R	REC - RM 715, 720, 750			•	18
19	•	$\mathbf{X}$	><	REC - RM 728	R	20	1	20	1	R	REC - RM 701, 702, 721	•	><		20
21	><	•		REC - RM 727	R	20	1	20	1	R	REC - RM 716, 717, 721		•		22
23	><	>>	•	REC - RM 726	R	20	1	20	1	R	REC - RM 719				24
25	•	>>	$\geq \leq$	REC - RM 725	R	20	1	20	1	R	REC - GFCI 6TH/7TH FLOOR	•			26
27	$\geq \leq$		$\geq \leq$	REC - RM 724	R	20	1	20	1	_	DOOR OPERATOR				28
29	$\geq \leq$	$\geq \leq$		REC - RM 723	R	20	1	20	1	М	EF-5 7TH FLOOR ROOF				30
31	•	$\geq \leq$	$\geq \leq$	REC - RM 722	R	20	1	20	1	_	AIR PURIFICATION SYSTEM	•			32
33	$\geq \leq$		$\geq \leq$	REC - RM 741	R	20	1	20	1	М	CUH-5				34
35	$\geq \leq$	$\geq \leq$		REC - RM 742	R	20	1	20	1	М	7TH FLOOR VAV BOXES				36
37	•	$\geq \leq$		REC - RM 718 (DO NOT TURN OFF)	R	20	1	20	1	М	7TH FLOOR EUH			$\geq$	38
39	$\geq \leq$	•	$\geq \leq$	SPARE	R	20	1	20	1		DOOR HOLDERS			$\geq$	40
41	><	>	•	SPARE	R	20	1	20	1		SPARE			•	42
				TOTAL/PHASE VOLTS: 120/208, 3 PHASE, 4 WIRE DESIGNATION											
				MCB: MCB AMPS: 100 LOCATION:											719
				MLO: MOUNTING: SURFACE											
				FAULT AMPS: 10,0	00										

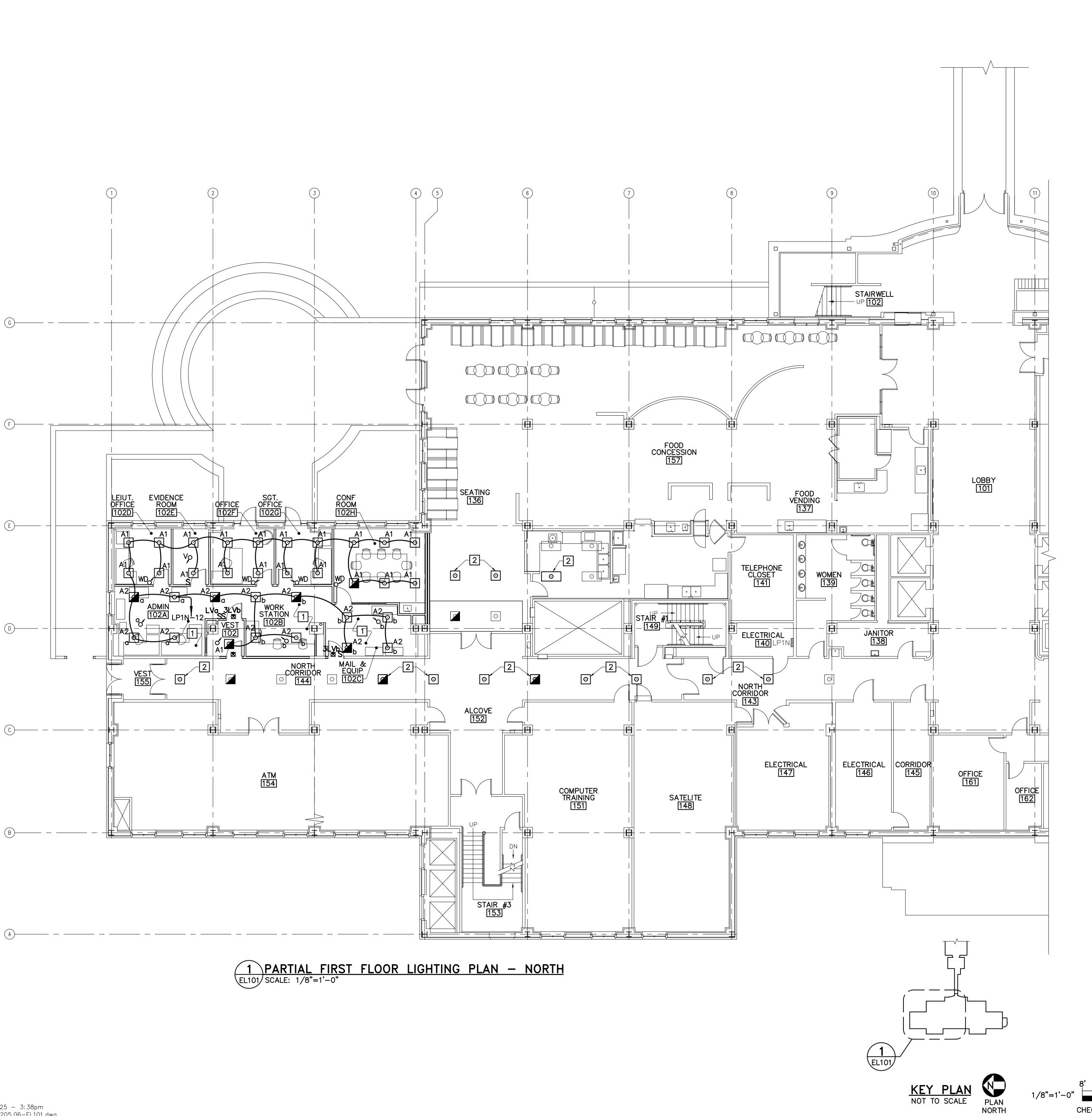
 UNLESS NOTED OTHERWISE, PROVIDE CIRCUIT BREAKER AND CONNECT CIRCUIT IN EXISTING PANELBOARD.

KEYNOTES (THIS SHEET ONLY)

1 PROVIDE CIRCUIT BREAKER FOR SECURITY GATES. REFER TO ES101 FOR EXACT LOCATION.

2 CONNECT TO EXISTING SPARE CIRCUIT BREAKER.

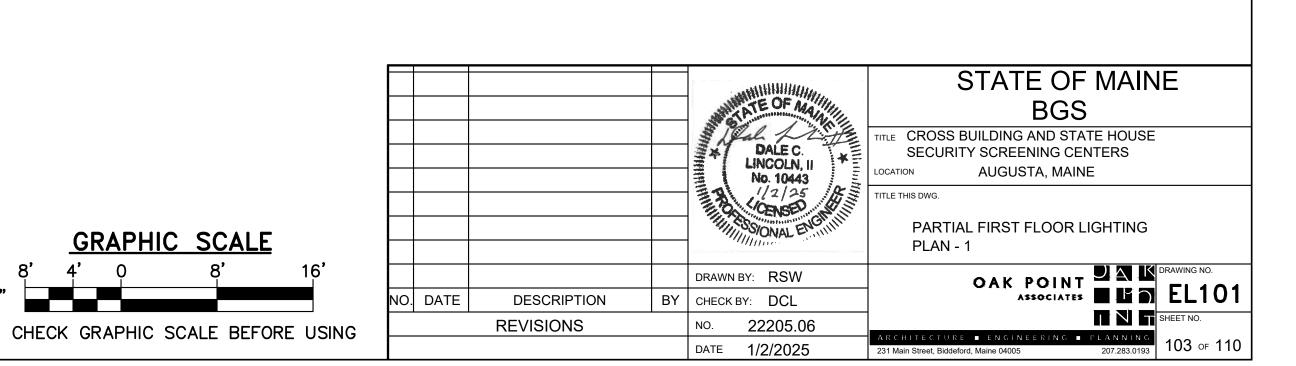


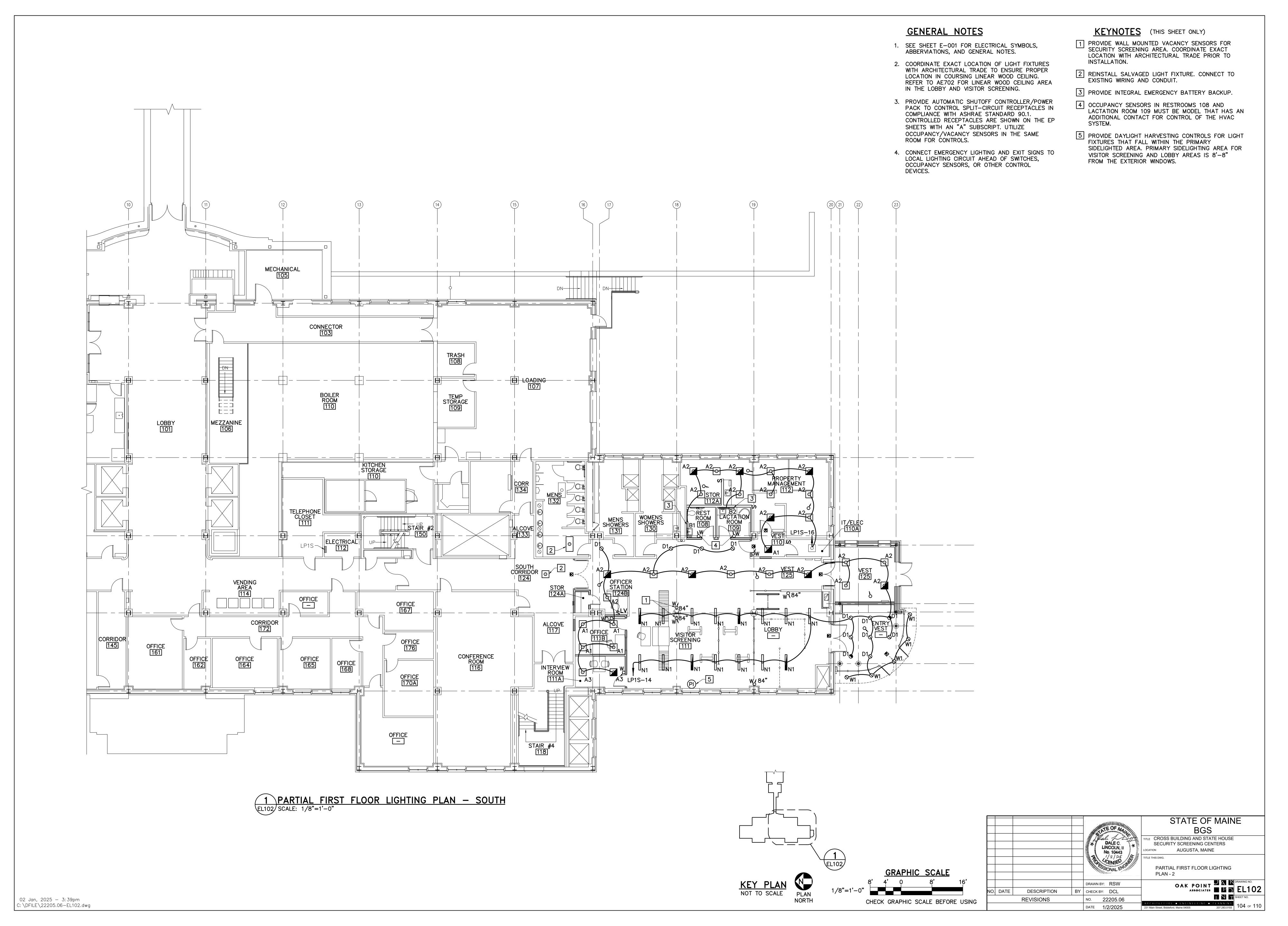


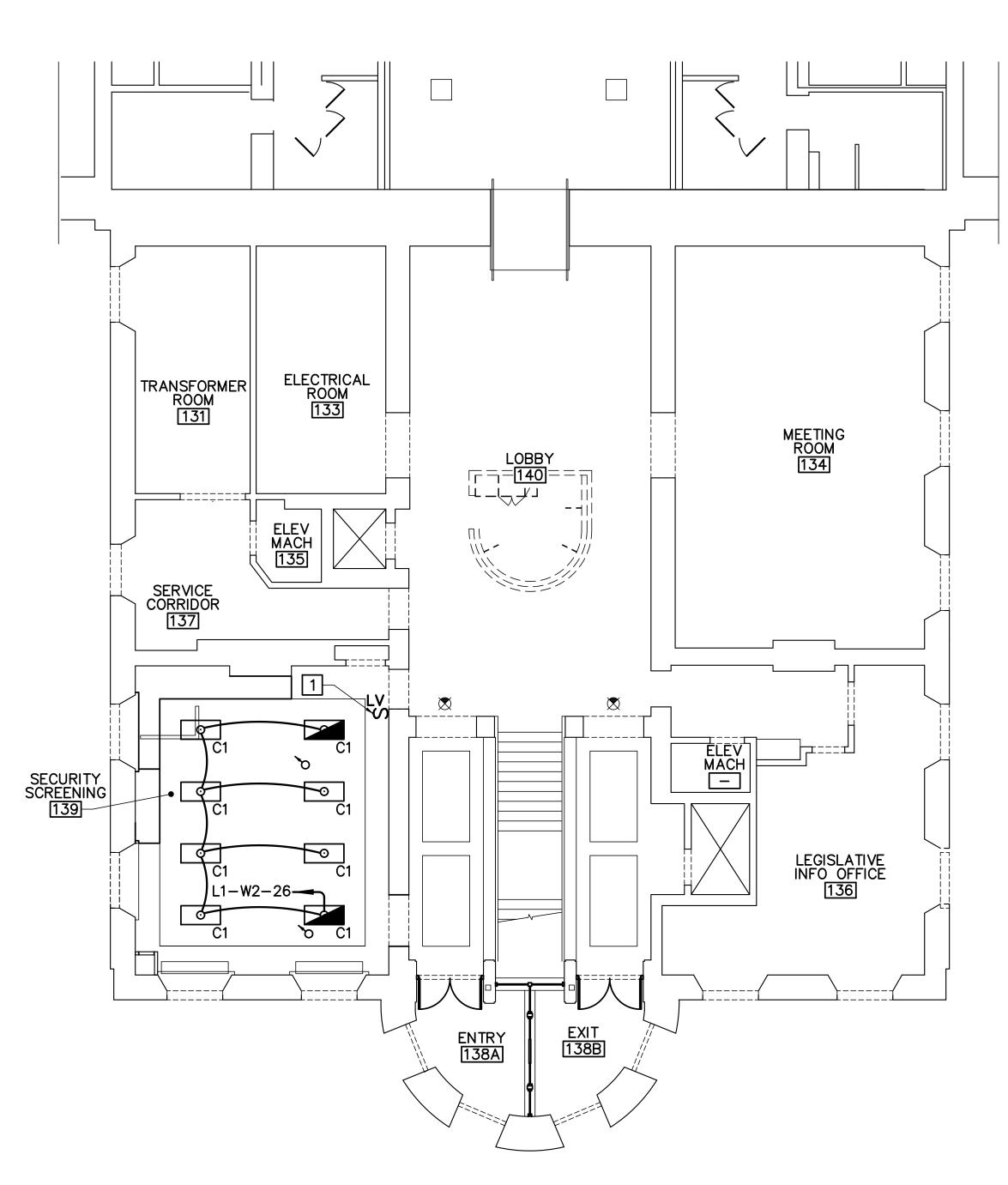
GRAPHIC SCALE

- 1. SEE SHEET E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
- 2. PROVIDE AUTOMATIC SHUTOFF CONTROLLER/POWER PACK TO CONTROL SPLIT-CIRCUIT RECEPTACLES IN COMPLIANCE WITH ASHRAE STANDARD 90.1. CONTROLLED RECEPTACLES ARE SHOWN ON THE EP SHEETS WITH AN "A" SUBSCRIPT. UTILIZE OCCUPANCY/VACANCY SENSORS IN THE SAME ROOM FOR CONTROLS.
- 3. PROVIDE LOW VOLTAGE SWITCHES WITH DIMMING CONTROLS, AND MANUAL OFF CAPABILITIES. PROGRAM MANUAL ON AND AUTOMATIC OFF VIA SENSORS IN OFFICES AND CONFERENCE ROOMS.
- 4. CONNECT EMERGENCY LIGHTING AND EXIT SIGNS TO LOCAL LIGHTING CIRCUIT AHEAD OF SWITCHES, OCCUPANCY SENSORS, OR OTHER CONTROL DEVICES.

- KEYNOTES (THIS SHEET ONLY)
- 1 PROVIDE LIGHTING CONTROL CAPABLE OF REDUCING LIGHTING LEVEL TO 50% WHEN NO ACTIVITY IS PRESENT FOR TIME PERIODS GREATER THAN 20 MINUTES. FIXTURES MUST AUTOMATICALLY SHUT OFF WHEN BUILDING IS UNOCCUPIED.
- 2 REINSTALL SALVAGED LIGHT FIXTURE. CONNECT TO EXISTING WIRING AND CONDUIT.







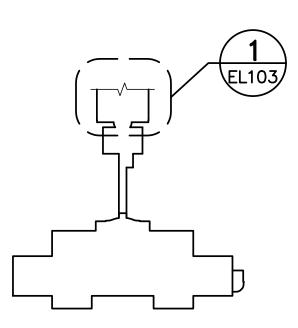
1 STATE HOUSE- PARTIAL FIRST FLOOR LIGHTING PLAN EL103 SCALE: 1/8"=1'-0"

# GENERAL NOTES (THIS SHEET ONLY)

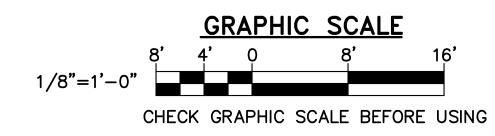
- SEE SHEET E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
- 2. REFER TO SHEET EL701 FOR LIGHTING FIXTURE SCHEDULE AND DETAILS.
- CONNECT EMERGENCY LIGHTING AND EXIT SIGNS TO LOCAL LIGHTING CIRCUIT AHEAD OF SWITCHES, OCCUPANCY SENSORS, OR OTHER CONTROL DEVICES.

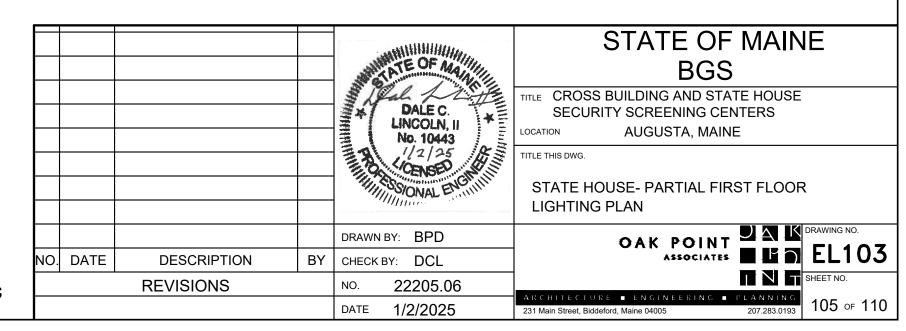
# **KEYNOTES**

FIXTURES MUST DIM TO 50% WHEN NO ACTIVITY IS PRESENT FOR TIME PERIODS GREATER THAN 20 MINUTES. FIXTURES MUST AUTOMATICALLY SHUTOFF WHEN BUILDING IS SCHEDULED TO BE UNOCCUPIED.





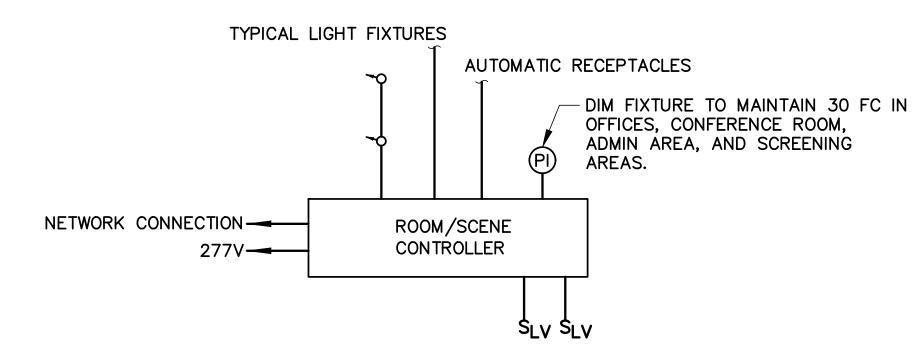




				LIGI	HTING F	IXTURE SCHEDULE	BASIS OF DESIGN NOTE: MANUFACTURERS AND CATALOG NUMBERS ARE LISTED TO ESTABLISH PERFORMANCE, QUALITY, AND AESTHETICS. FIXTURES FROM OTHER MANUFACTURERS ARE ACCEPTABLE PROVIDED THEY MEET THE ESTABLISHED PARAMETERS.				
TYPE	DESCRIPTION	SOURCE	LUMENS	VOLTS	W	MOUNTING	NOTES	MANUFACTURER	CATALOG NUMBER		
A1	2X2 TROFFER, LED	LED	2749	277	23	RECESSED	1,3	COLUMBIA LIGHTING	CBT22-B-LSCS-EDD34-2750LM-350		
A2	2X2 TROFFER, LED	LED	3299	277	27	RECESSED	1,3	COLUMBIA LIGHTING	CBT22-B-LSCS-EDD34-3300LM-350		
A3	2X2 TROFFER, LED	LED	4399	277	38	RECESSED	1,3	COLUMBIA LIGHTING	CBT22-B-LSCS-EDD34-4400LM-350		
B1	SLEEK, CONTEMPORARY LED	LED	3210	277	31.5	WALL	1,2	COLUMBIA LIGHTING	CWM-4-35-VW-SM-ED-U (ELL14)		
B2	SLEEK, CONTEMPORARY LED	LED	3781	277	37.8	WALL	1,2	COLUMBIA LIGHTING	CWM-4-35-MW-SM-ED-U-(ELL14)		
C1	2X4 TROFFER, LED	LED	3633	120	28	RECESSED	1,3	COLUMBIA LIGHTING	CBT24-B-LSCS-EDD34-3300		
D1	ARCHITECTURAL DOWNLIGHT	LED	1192	277	12	RECESSED	1,3	PRESCOLITE	LTR-6RD-H-SL10L-DM1-LTR-6RD-T-SL35K8MDS		
N1	6 INCH LED PENDANT, DIRECT	LED	3400	277	26.6	UNIVERSAL	1,2	LITECONTROL	6L-P-D-4-S0F-35K9-D085-D01-1C-UNV (EF)		
W1	EXTERIOR, WP, LOW-PROFILE, LED	LED	3000	277	28.4	RECESSED	3,4	BEACON	CLO-18L-25-3K7-3-UNV-RD-PSS-SP		
Ø	SINGLE FACE EXIT SIGN	LED	_	277	4.5	CEILING	<b>–</b>	LITHONIA	EDGR-1-R-EL-BAA		
	DOUBLE FACE EXIT SIGN	LED	_	277	4.5	CEILING	_	LITHONIA	EDGR-2-R-EL-BAA		

LIGHTING FIXTURE SCHEDULE NOTES:

- 1. COORDINATE MOUNTING TYPE GRID(SAT), FLANGE (GYPSUM), OR SURFACE/SUSPENDED (NO CEILING)
- WITH CEILING/WALL TYPE.
  2. PROVIDE INTEGRAL EMERGENCY BACKUP WHERE INDICATED ON PLANS.
- 3. PROVIDE REMOTE EMERGENCY DRIVER OR INVERTER FOR LIGHTING FIXTURE WHERE INDICATED. UL924
- 4. PROVIDE COORDINATION WITH ARCHITECTURAL TRADE TO ENSURE FIXTURE SELECTION IS CAPABLE OF INSTALLATION AT THE CANOPY OF THE ENTRY VESTIBULE.



# 1 TYPICAL DAYLIGHT HARVESTING LIGHTING CONTROL

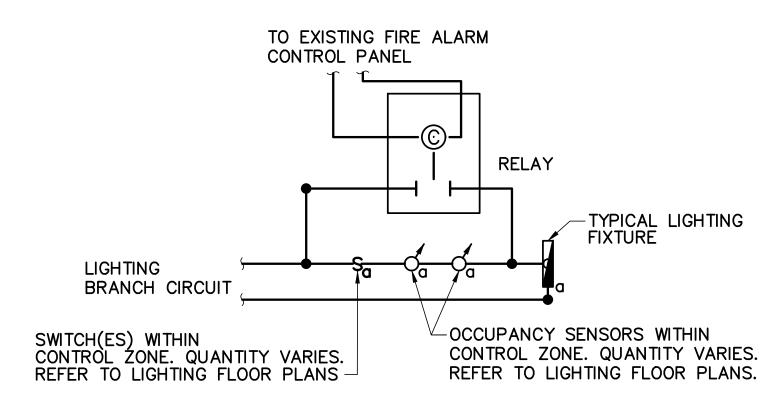
Notes

NOTES

- 1. BASIS OF DESIGN: WIRING, COMPONENTS AND INSTALLATION REQUIREMENTS WILL VARY DEPENDING ON MANUFACTURER AND EXISTING EQUIPMENT.
- 2. INSTALLATION OF PHOTOCELLS, OCCUPANCY SENSORS, WIRING, ETC. MUST BE
- PER MANUFACTURER'S RECOMMENDATIONS.
- 3. CONTROL WIRING MUST BE YELLOW AND PER MANUFACTURER'S RECOMMENDATION.
  4. OCCUPANCY SENSORS PROVIDE AUTO ON/OFF (FIELD SELECTABLE FOR MANUAL ON/AUTO OFF)
- WITH 20 MIN TIME DELAY DURING AFTER HOUR SERVICE.
- 5. LOSS OF POWER MUST TURN ALL RELAYS ON. 6. DIAGRAM INDICATES CONTROL DEVICES AND WIRING ONLY. REFER TO EL101 AND EL102 FOR BRANCH CIRCUITS.
- 7. PROVIDE ADDITIONAL DEVICES FOR FULL COVERAGE OF SPACE AS DIAGRAMS INDICATE DESIGN INTENT.
- 8. LOW VOLTAGE SWITCH BASIS OF DESIGN: ETC ECHO INSPIRE SERIES. EACH LOW VOLTAGE SWITCH STATION MUST BE ABLE TO TURN ON/OFF EACH LIGHTING ZONE, AND RAISE/LOWER EACH LIGHTING ZONE UNLESS INDICATED OTHERWISE. THE NUMBER OF PUSHBUTTONS NEEDED WILL VARY FOR DIFFERENT MANUFACTURERS AND DIFFERENT APPLICATIONS. SWITCH STATIONS MUST HAVE ENGRAVED, LABELED DIRECTORIES
- ASSIGNED TO PUSHBUTTONS INDICATING CONTROL ZONES OR SCENES.

  9. LOCATE CONTROLLERS IN ELECTRICAL ROOMS OR ABOVE CEILINGS IF ACCESSIBLE.
- 10. ROOMS WITH NO CONTROLS INDICATED MUST FUNCTION AS A SINGLE ZONE.

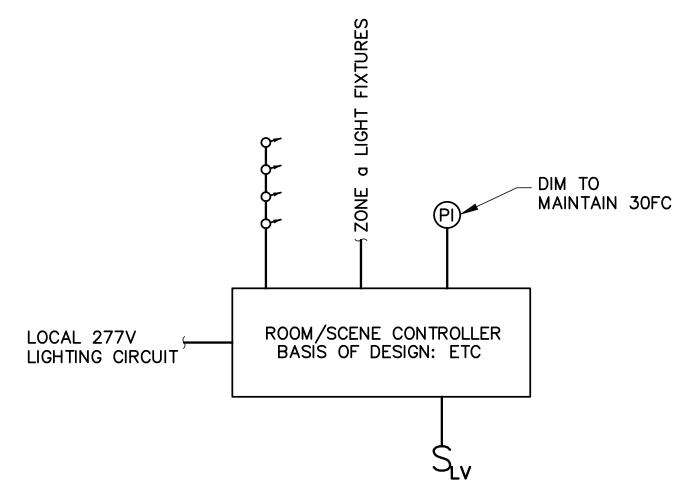
  11. CONTROLLER MUST HAVE SEPARATE UL924 LISTED COMPARTMENT FOR EMERGENCY LIGHTING.
- 11. CONTROLLER MUST HAVE SEPARATE UL924 LISTED COMPARTMENT FOR EMERGENCY LIGHTING.
  12. PROVIDE LOW VOLTAGE SWITCH WITH DIMMING CONTROLS, MANUAL ON, AND MANUAL OFF CAPABILITIES.
  PROGRAM FOR MANUAL ON AND AUTOMATIC OFF VIA SENSOR IN THIS ROOM. REFER TO PLAN FOR QUANTITY OF LOW VOLTAGE SWITCH IN EACH ROOM.



# 2 LIGHTING BYPASS CONTROL DIAGRAM EL701 NOT TO SCALE

LIGHTING BYPASS CONTROL NOTES

- 1. PROVIDE 24VDC RELAY WITH MINIMUM 20 AMP, 120/277V RATED NORMALLY OPEN AND NORMALLY CLOSED CONTACTS. CONTACT MUST CLOSE WHEN FIRE ALARM IS IN ALARM TO BYPASS THE OCCUPANCY SENSORS, WITHIN THE PATH OF EGRESS. RELAY MUST BE UL LISTED FOR EMERGENCY LIGHTING CONTROL USE.
- 2. PROVIDE 24VDC POWER FROM THE FIRE ALARM CONTROL PANEL.
- 3. COORDINATE WORK WITH FIRE ALARM INSTALLER.

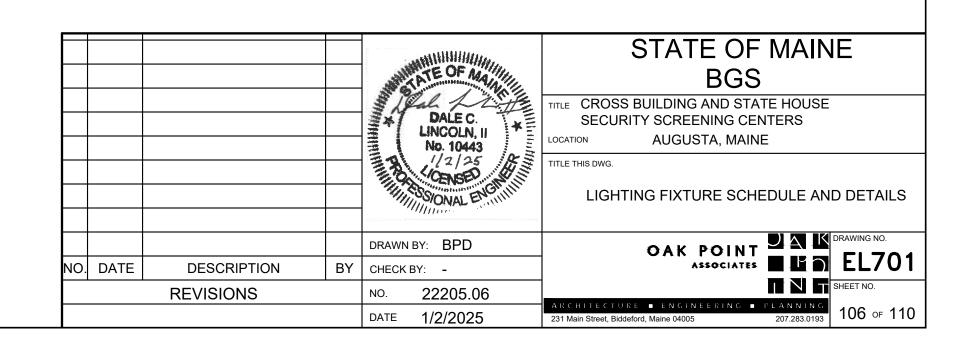


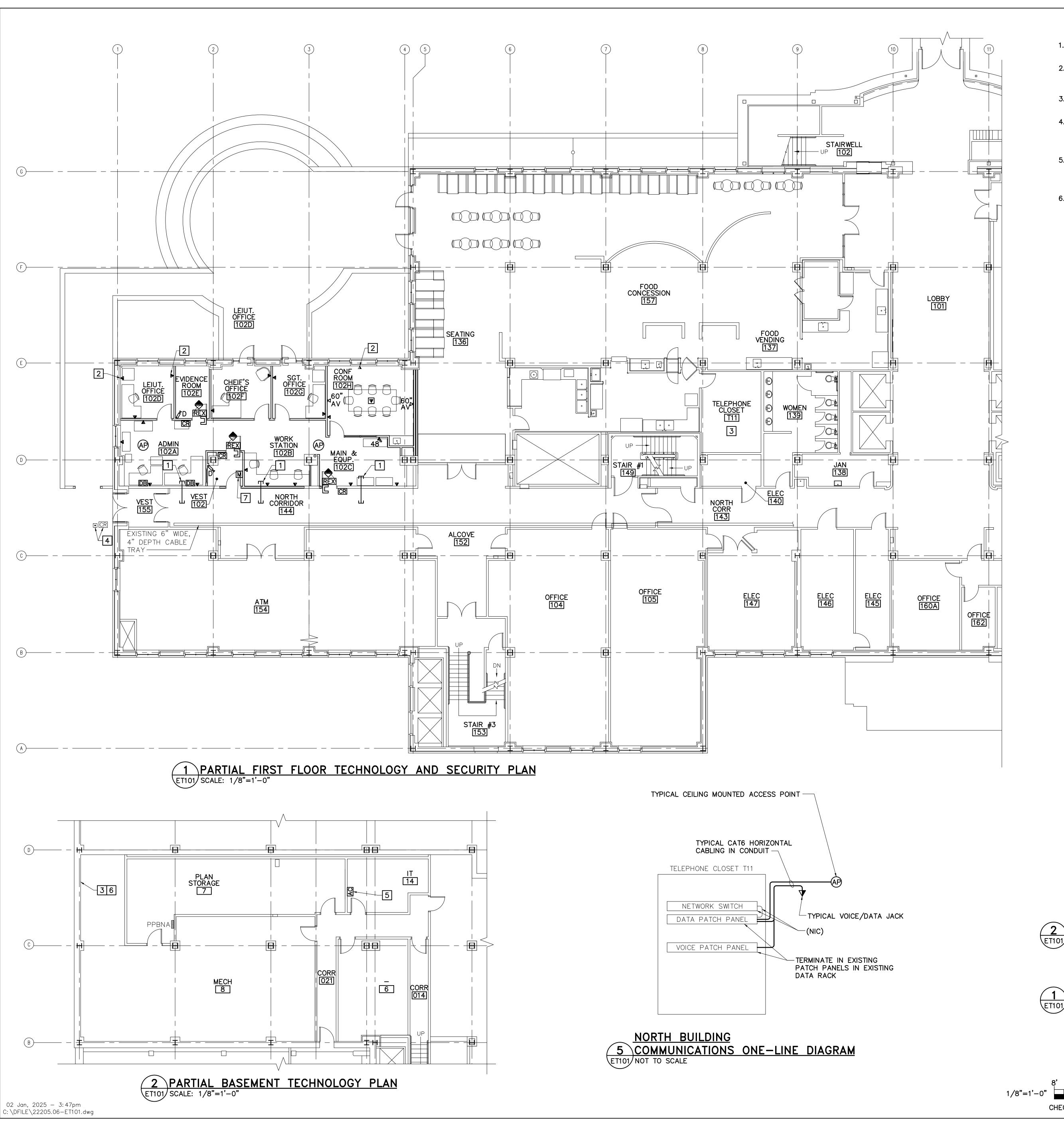
# 3 SECURITY SCREENING LIGHTING CONTROL DIAGRAM EL701 NOT TO SCALE

SECURITY SCREENING LIGHTING CONTROL DIAGRAM NOTES:

"WEST WALL" OR "SECOND FLOOR MEZZANINE").

- WIRING, COMPONENTS, AND INSTALLATION REQUIREMENTS WILL VARY DEPENDING ON SYSTEM.
- 2. INSTALLATION OF PHOTOCELLS, OCCUPANCY SENSORS, WIRING, ETC. MUST BE PER MANUFACTURERS RECOMMENDATIONS.
- 3. CONTROL WIRING MUST BE PER MANUFACTURERS RECOMMENDATIONS.
- 4. OCCUPANCY SENSORS PROVIDE AUTO ON/OFF (FIELD SELECTABLE FOR MANUAL ON/AUTO OFF) WITH 20 MIN TIME DELAY DURING AFTER HOUR SERVICE.
- 5. LOSS OF POWER MUST TURN ALL RELAYS ON.
  6. DIAGRAM INDICATES CONTROL DEVICES AND WIRING ONLY. REFER TO LIGHTING DRAWINGS FOR BRANCH
- CIRCUITS.
- 7. PROVIDE ADDITIONAL DEVICES FOR FULL COVERAGE OF SPACE AS DIAGRAMS INDICATE DESIGN INTENT.
  8. EACH SWITCH STATION MUST BE ABLE TO TURN ON/OFF EACH LIGHTING ZONE, RAISE/LOWER EACH LIGHTING ZONE AND AUTOMATICALLY CONTROL THE LIGHTING ZONES FOR DAYLIGHT HARVESTING. THE NUMBER OF PUSHBUTTONS NEEDED WILL VARY FOR DIFFERENT MANUFACTURERS. SWITCH STATIONS MUST HAVE ENGRAVED, LABELED DIRECTORIES ASSIGNED TO PUSHBUTTONS INDICATING CONTROL ZONES (FOR EXAMPLE: "PENDANTS",



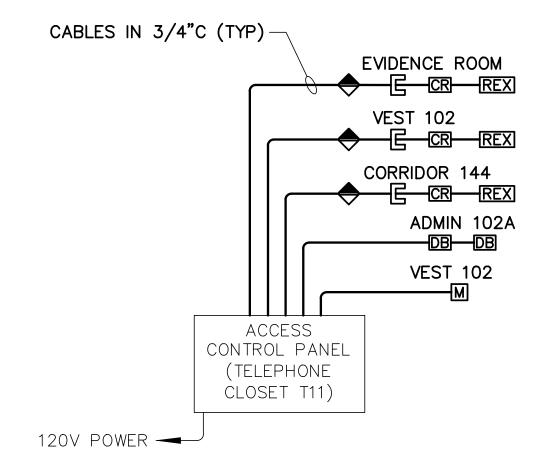


ACCEPTABLE.

- SEE SHEET E-001 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS, AND GENERAL NOTES.
- 2. PROVIDE CARD READERS AND MAGNETIC DOOR CONTACTS AND CONNECT TO EXISTING ACCESS CONTROL SYSTEM.
- 3. PROVIDE COMMUNICATION AND SECURITY CABLING BACK TO TELEPHONE CLOSET T11.
- 4. PROVIDE POE INJECTORS FOR CAMERAS OVER 30W.
  POE INJECTORS MUST SUPPORT 100MBPS. A POE
  BANK SUCH AS ALTRONIX NETWAY8G OR 16G IS
- 5. COORDINATE FINAL CAMERA LOCATIONS WITH STATE OF MAINE SECURITY PERSONNEL. AIM AND FOCUS CAMERAS AS DIRECTED BY STATE OF MAINE SECURITY PERSONNEL.
- 6. PROVIDE CAMERA MOUNTING HARDWARE, ENCLOSURE AND ACCESSORIES FOR A COMPLETE AND FUNCTIONAL INSTALLATION.

# KEYNOTES (THIS SHEET ONLY)

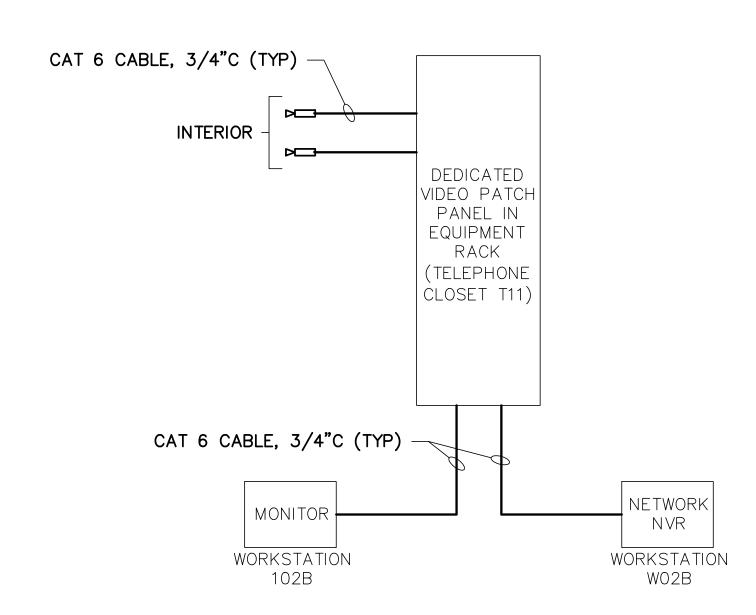
- 1 PROVIDE 1-1/2" CONDUIT ABOVE CEILING TO THE EXISTING TELECOMMUNICATIONS TRAY.
- PROVIDE COMMUNICATION OUTLET. REUSE EXISTING BOX, CONDUIT, AND CABLING.
- 3 PROVIDE COMMUNICATION AND CONTROL CABLES FOR NORTH EXTERIOR ELECTRIC ARM GATE. REFER TO ES101 DETAIL 1 FOR NORTH EXTERIOR GATE LOCATIONS.
- 4 EXISTING CARD READER AND PUSH BUTTON TO REMAIN IN PLACE, DEVICES LOCATED ON HANDRAIL.
- 5 PROVIDE ACCESS CONTROL PANEL FOR NORTH EXTERIOR ARM GATE. CONNECT COMMUNICATION AND CABLES FROM ARM GATE AND PEDESTAL TO ACCESS CONTROL PANEL.
- 6 CONDUIT AND CABLES FOR NORTH GATE TO PENETRATE BUILDING AT THIS LOCATION. COORDINATE WITH CIVIL TRADE FOR EXACT LOCATION OF PENETRATION. REFER TO ES101 FOR CONDUIT AND GATE LOCATION.
- 7 PROVIDE CONNECTION TO FIRE ALARM SYSTEMS FOR ELECTROMAGNETIC DOOR HOLDER.



# 3 NORTH BLDG ACCESS CONTROL SYSTEM ET501 NOT TO SCALE

ACCESS CONTROLSYSTEM DETAIL NOTES:

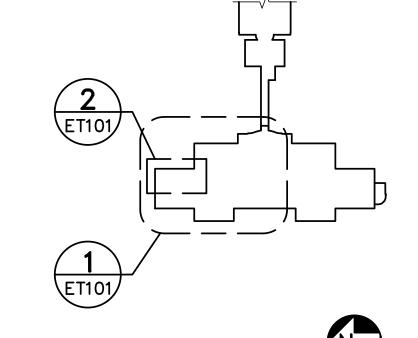
1. COMPLETE SYSTEM AND HARDWARE MUST CONFORM TO FEDERAL HSPD—12 STANDARDS.



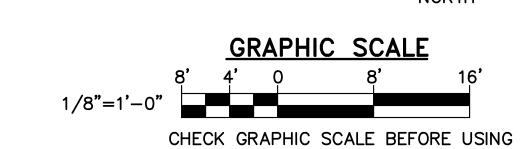
# 4 NORTH BUILDING IP CAMERA SYSTEM (VIDEO SURVEILLANCE) ET103 NOT TO SCALE

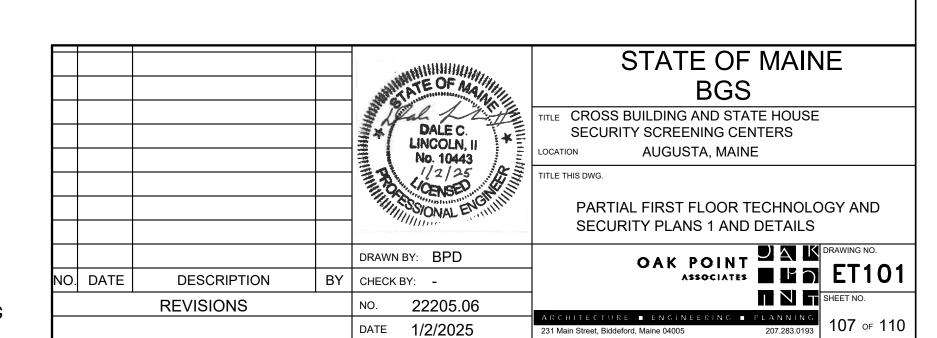
- IP CAMERA SYSTEM (VIDEO SURVEILLANCE) DETAIL NOTES

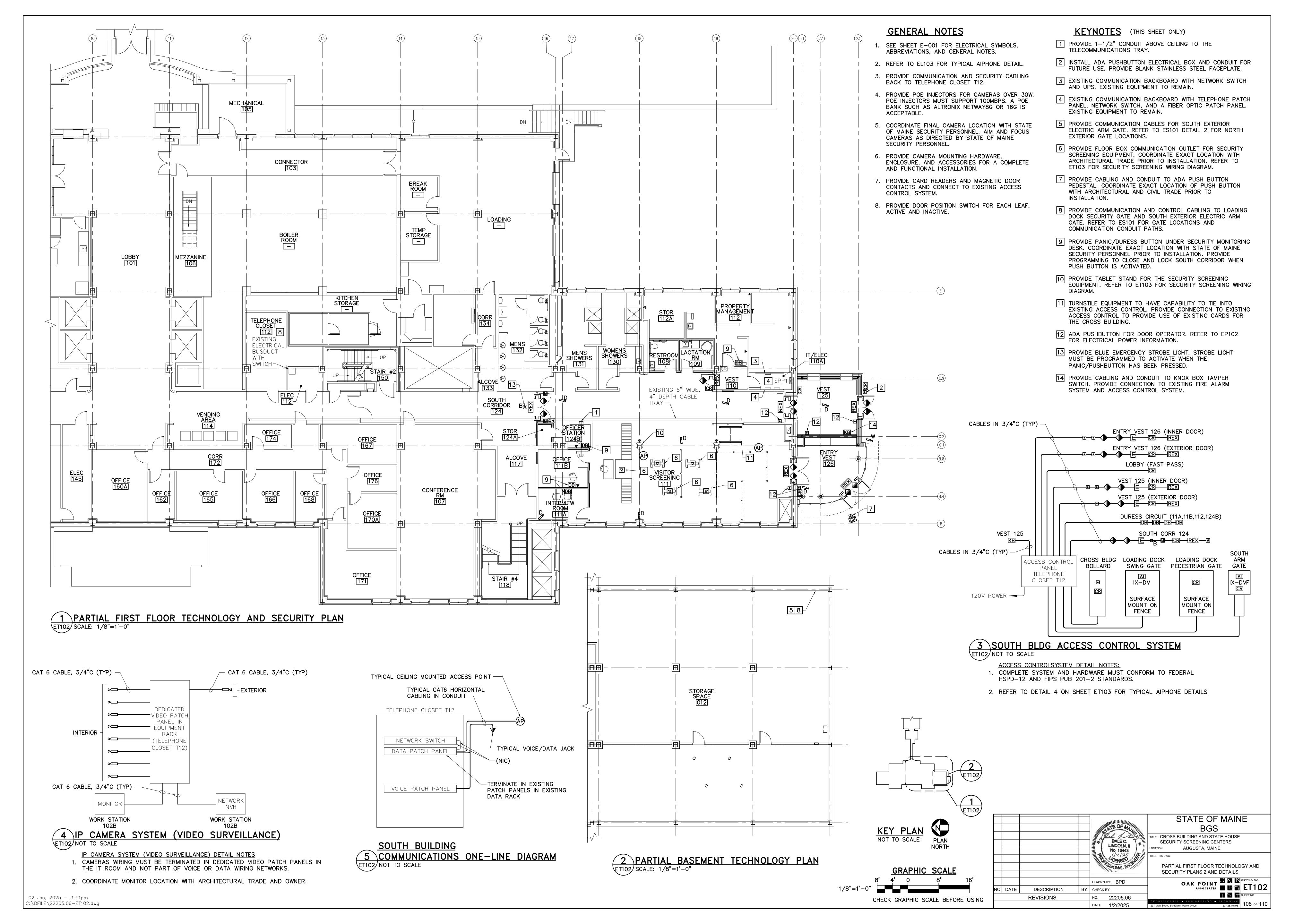
  1. CAMERAS WIRING MUST BE TERMINATED IN DEDICATED VIDEO PATCH PANELS IN THE IT ROOM AND NOT PART OF VOICE OR DATA WIRING NETWORKS.
- 2. COORDINATE MONITOR LOCATION WITH ARCHITECTURAL TRADE

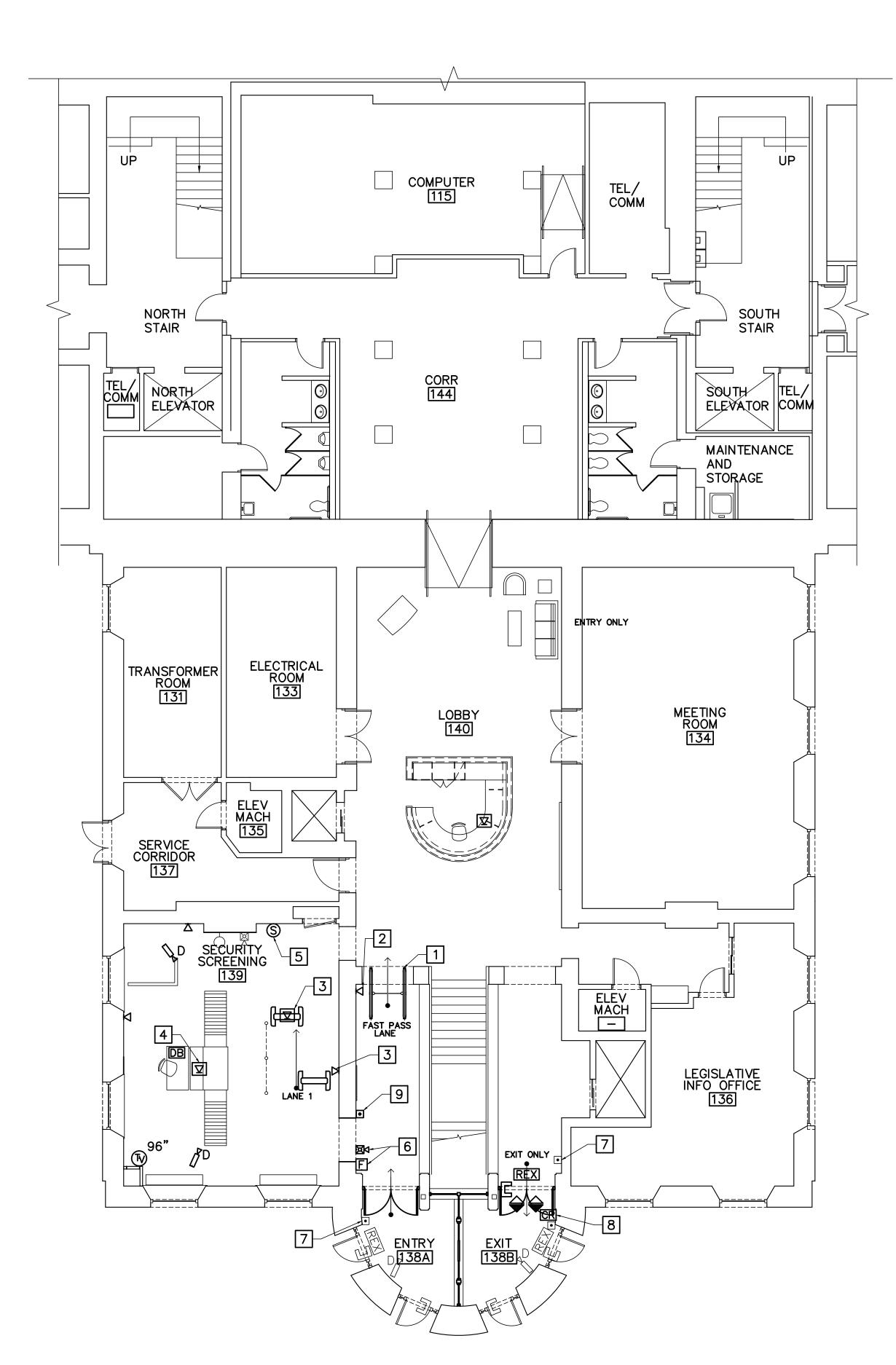




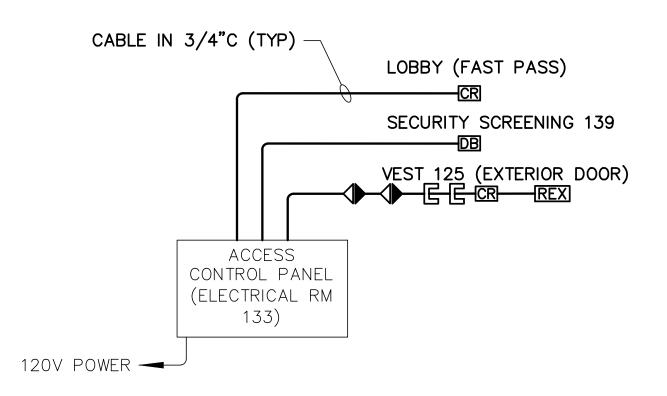






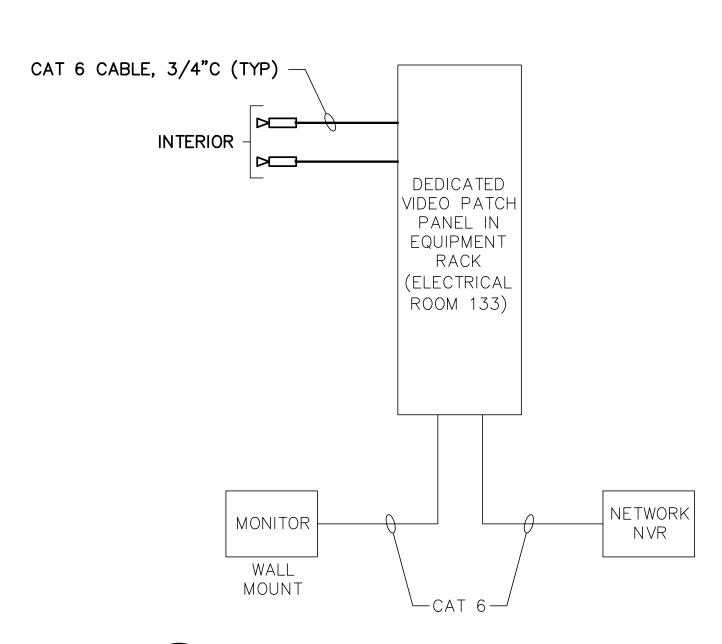


1 STATE HOUSE - PARTIAL FIRST FLOOR TECHNOLOGY PLAN ET103 SCALE: 1/8"=1'-0"



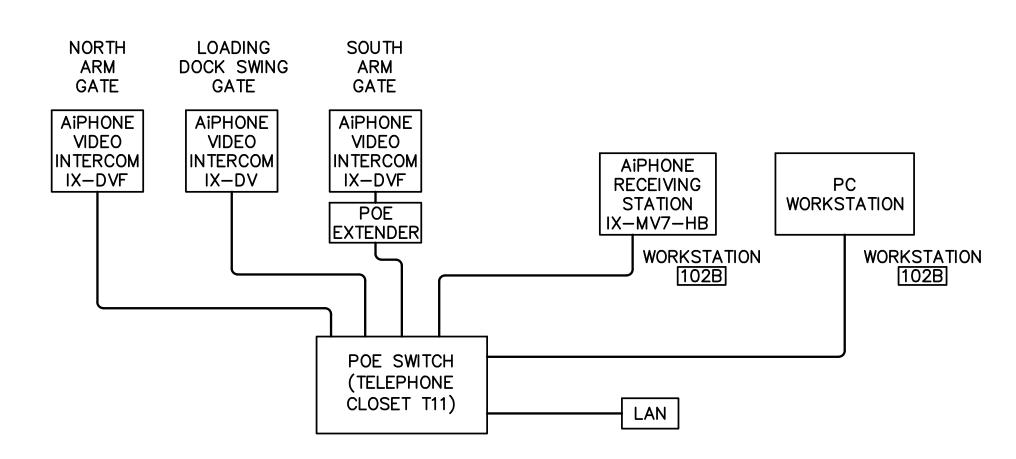
#### 2 STATE HOUSE ACCESS CONTROL SYSTEM ET103/NOT TO SCALE

ACCESS CONTROLSYSTEM DETAIL NOTES: 1. COMPLETE SYSTEM AND HARDWARE MUST CONFORM TO FEDERAL HSPD-12 AND FIPS PUB 201-2 STANDARDS.



#### 3 STATE HOUSE IP CAMERA SYSTEM (VIDEO SURVEILLANCE) ET103/NOT TO SCALE

- IP CAMERA SYSTEM (VIDEO SURVEILLANCE) DETAIL NOTES CAMERAS WIRING MUST BE TERMINATED IN DEDICATED VIDEO PATCH PANELS IN THE IT ROOM AND NOT PART OF VOICE OR DATA WIRING NETWORKS.
- 2. COORDINATE MONITOR LOCATION WITH ARCHITECTURAL TRADE AND OWNER.



### 4 TYPICAL AIPHONE VIDEO INTERCOM DETAIL ET103/NOT TO SCALE

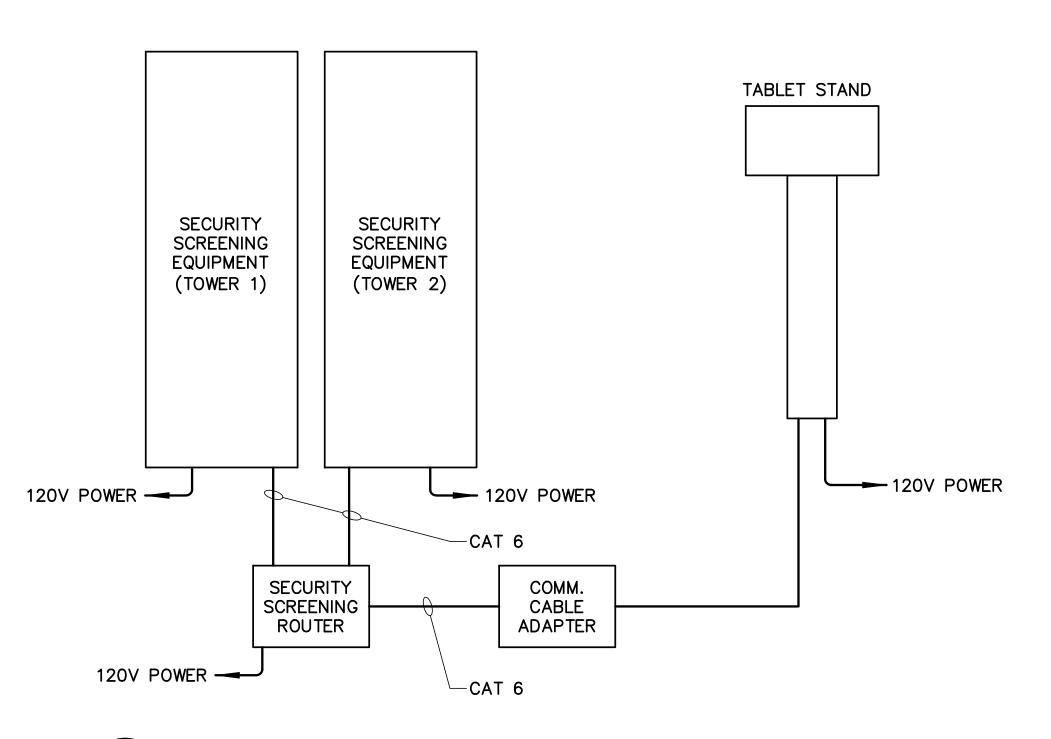
- TYPICAL AIPHONE DETAIL NOTES: 1. PROVIDE AIPHONE DEVICES, CONDUIT, CONDUCTORS, CABLING, AND MISCELLANEOUS PARTS AND PIECES FOR A COMPLETE AND FUNCTIONAL SYSTEM.
- 2. PROVIDE POE EXTENDERS FOR DISTANCES LONGER THAT 330
- 3. PROVIDE WORKSTATION IN WORKSTATION 102B. IF IT IS ACCEPTABLE TO SECURITY PERSONNEL AND BUILDING CONTROL, THE SYSTEM MAY BE ABLE TO RUN ON AN EXISTING PC.
- 4. PROVIDE AND COORDINATE FOR VEHICLE AND PEDESTRIAN GATE RELEASE.

#### **GENERAL NOTES**

- 1. SEE SHEET E-001 FOR ELECTRICAL SYMBOLS. ABBREVIATIONS, AND GENERAL NOTES.
- 2. PROVIDE CABLE AND CONDUIT BACK TO COMPUTER ROOM 115. COMPUTER ROOM IS LOCATED ON THE EAST SIDE OF THE STATE HOUSE BUILDING ON THE FIRST FLOOR.
- 3. PROVIDE POE INJECTORS FOR CAMERAS OVER 30W. POE INJECTORS MUST SUPPORT 100MBPS. A POE BANK SUCH AS ALTRONIX NETWAY8G OR 16G IS ACCEPTABLE.
- 4. COORDINATE FINAL CAMERA LOCATION WITH STATE OF MAINE SECURITY PERSONNEL. AIM AND FOCUS CAMERAS AS DIRECTED BY STATE OF MAINE SECURITY PERSONNEL.
- 5. PROVIDE CAMERA MOUNTING HARDWARE, ENCLOSURE, AND ACCESSORIES FOR A COMPLETE AND FUNCTIONAL INSTALLATION.
- 6. PROVIDE DOOR POSITION SWITCH FOR EACH LEAF. ACTIVE AND INACTIVE.

# KEYNOTES (THIS SHEET ONLY)

- 1 TURNSTILE EQUIPMENT TO HAVE CAPABILITY TO TIE INTO EXISTING ACCESS CONTROL. PROVIDE CONNECTION TO EXISTING ACCESS CONTROL TO PROVIDE USE OF EXISTING CARDS FOR THE STATE HOUSE.
- 2 PROVIDE DEDICATED DATA OUTLET FOR FAST PASS LANE EQUIPMENT. PROVIDE CABLE AND CONDUIT BACK TO COMPUTER ROOM 115.
- 3 PROVIDE DEDICATED DATA OUTLET FOR SECURITY SCREENING EQUIPMENT. PROVIDE CABLE AND CONDUIT BACK TO COMPUTER ROOM 115.
- 4 PROVIDE DEDICATED DATA OUTLET FOR SECURITY XRAY EQUIPMENT. PROVIDE CABLE AND CONDUIT BACK TO COMPUTER ROOM 115.
- 5 INSTALL SALVAGED SPEAKER DEVICE AND CONNECT TO EXISTING CABLE.
- 6 INSTALL SALVAGED FIRE ALARM PULL STATION AND SPEAKER/STROBE. CONNECT TO EXISTING FIRE ALARM SYSTEM.
- 7 CONNECT EXISTING ADA PUSHBUTTON TO DOOR OPERATOR.
- 8 PROVIDE CARD READER AND CABLING. INSTALL CARD READER IN EXISTING ELECTRICAL BOX. PROVIDE CONNECTION TO EXISTING ACCESS CONTROL SYSTEM.
- 9 INSTALL SALVAGED ADA PUSHBUTTON AND CONNECT TO DOOR OPERATOR.

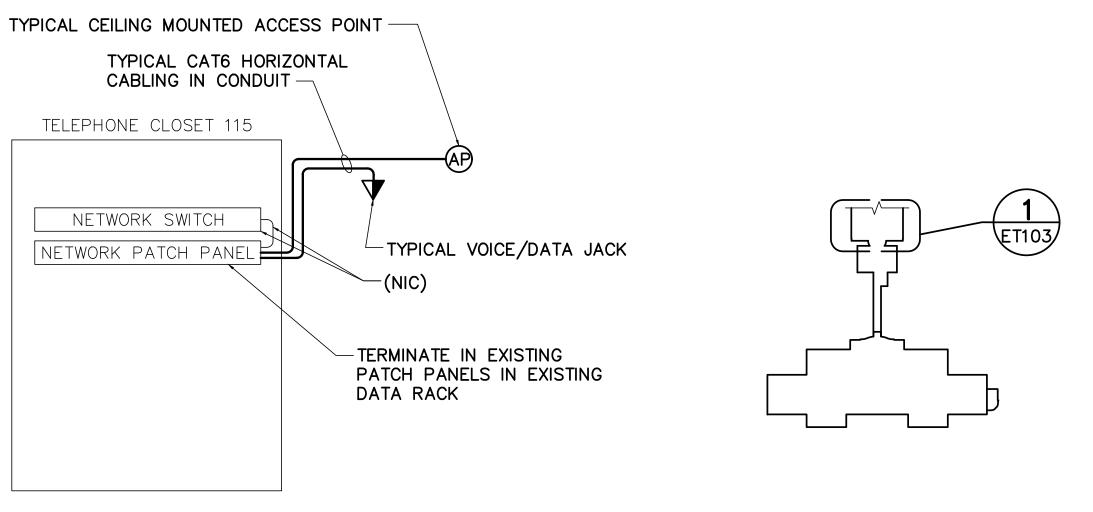


#### 5 TYPICAL SECURITY SCREENING SYSTEM ET103/NOT TO SCALE

1. PROVIDE DEDICATED POWER TO EACH SECURITY SCREENING TOWER.

TYPICAL SECURITY SCREENING SYSTEM DETAIL NOTES:

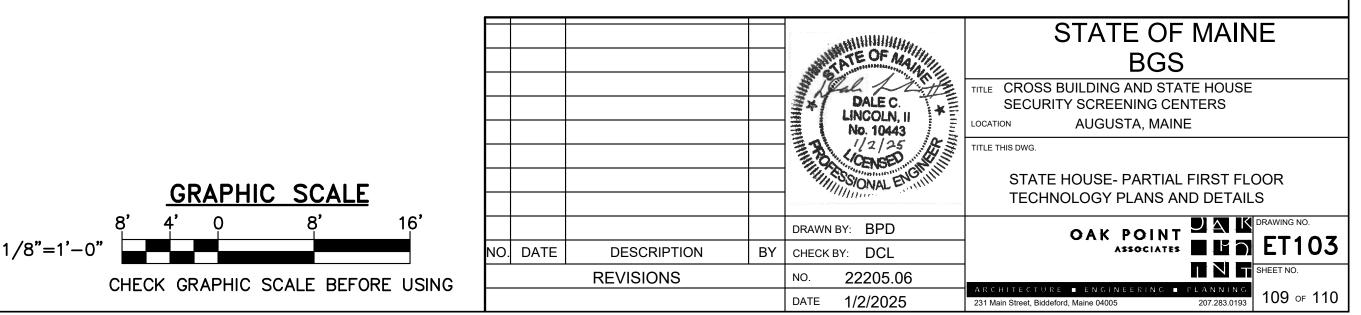
- 2. PROVIDE DEVICES, CONDUIT, CONDUCTORS, CABLING, AND MISCELLANEOUS PARTS AND
- PIECES FOR A COMPLETE AND FUNCTIONAL SECURITY SCREENING SYSTEM.
- 3. TOWER WIRING AND TABLET STAND MUST BE TERMINATED IN DEDICATED ROUTER PROVIDED BY SECURITY EQUIPMENT COMPANY.
- 4. PROVIDE SECURITY SCREENING SYSTEM FOR VISITOR SCREENING 111 AND SECURITY SCREENING 139.

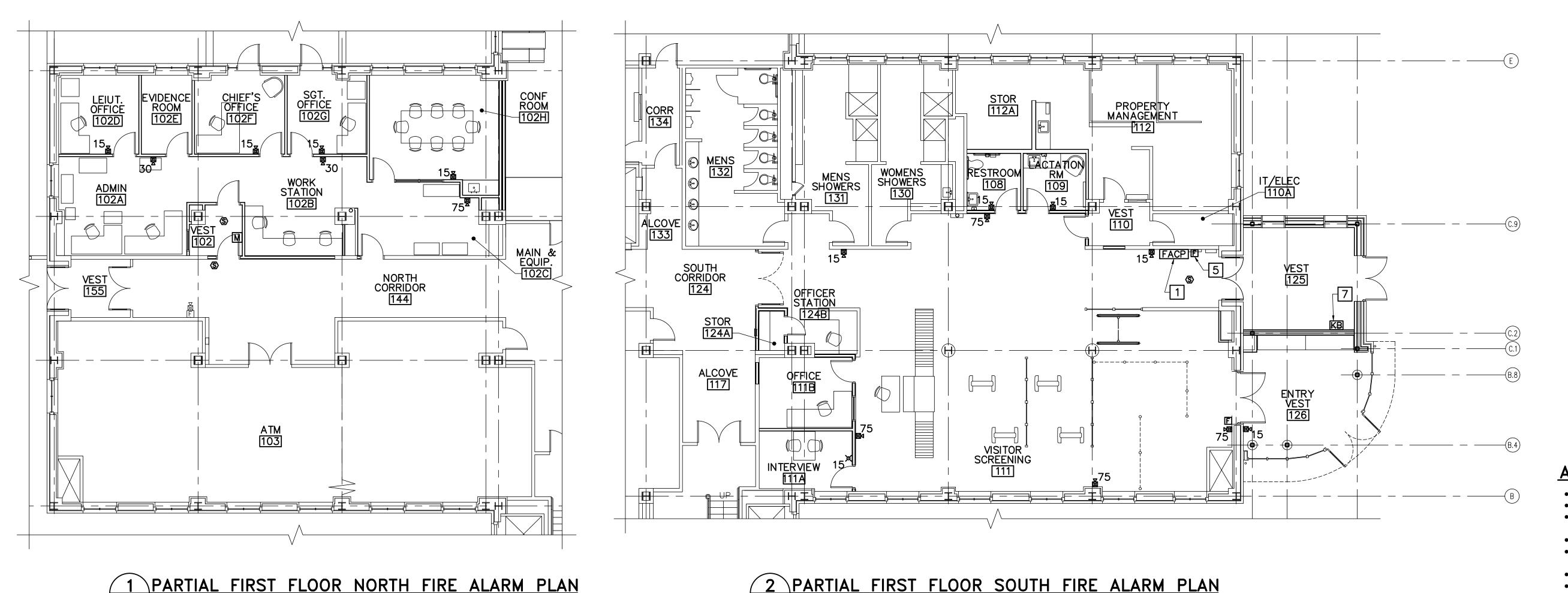


STATE HOUSE 6 COMMUNICATIONS ONE-LINE DIAGRAM ET103/NOT TO SCALE





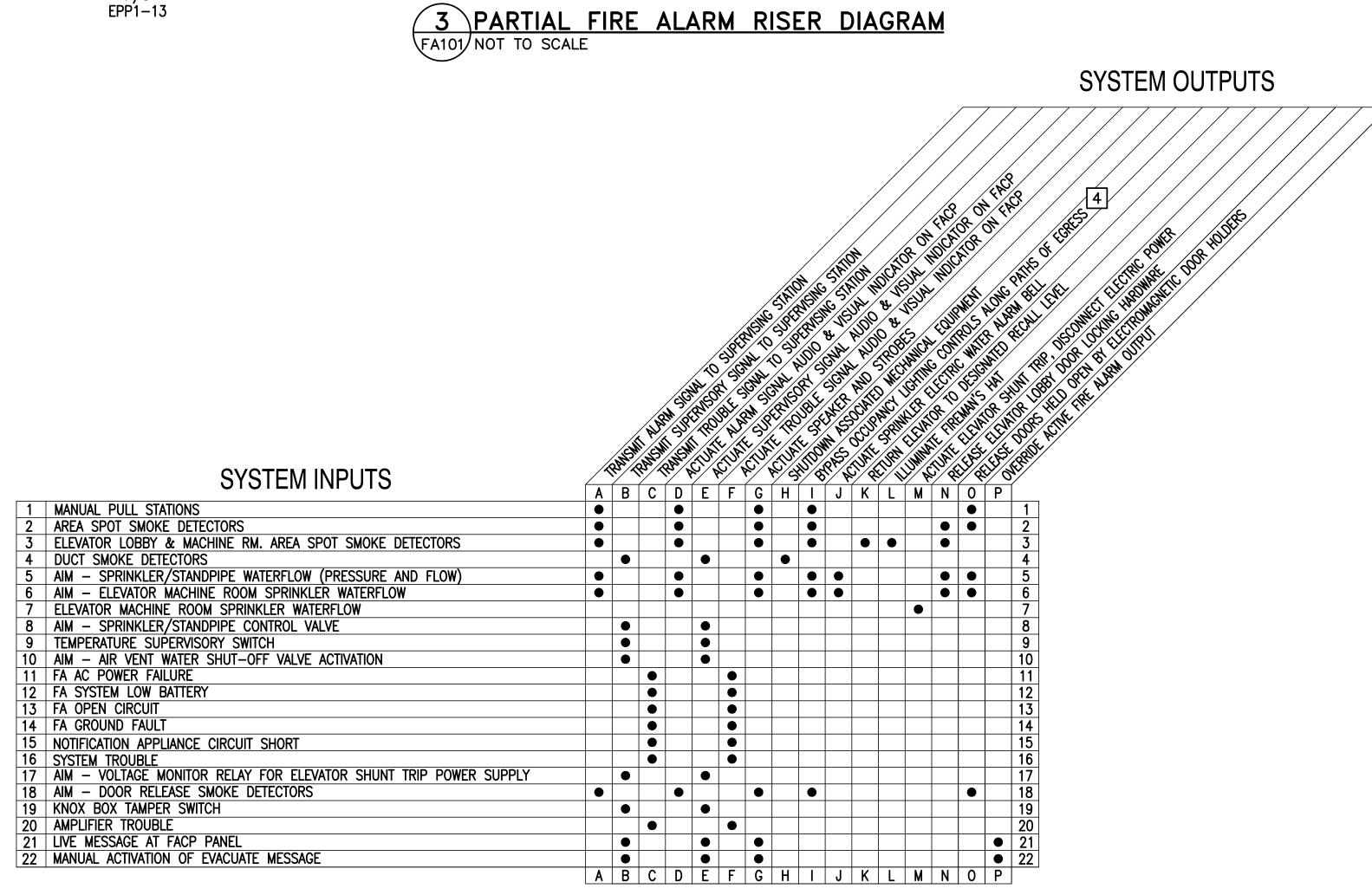


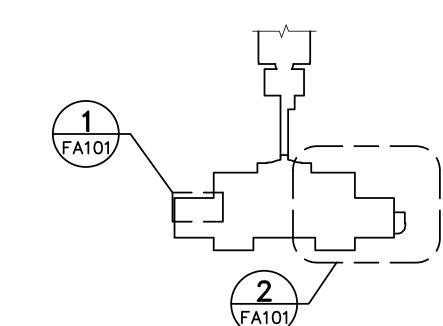


\FA101\SCALE: 1/8"=1'-0"

INITIATION DEVICE CIRCUITS (FLOORS 2 THRU 7 AND PENTHOUSE) 6 **NOTIFICATION** MULTIPLE INITIATION DEVICES **APPLIANCES** NOTIFICATION FIRST FLOOR FIRST FLOOR APPLIANCE CIRCUITS (FLOOR 2 THRU 7, AND PENTHOUSE) 6 LIGHTING EXISTING ELEVATOR CONTROLS RECALL AND SHUNT BYPASS RELAYS POWER EPP1-13 TO EXISTING FIRE ALARM CONTROL UNIT (FACP) SUPERVISING -STATION 3 120V <del>-</del> P/0

3 PARTIAL FIRE ALARM RISER DIAGRAM \FA101/NOT TO SCALE





KEY PLAN NOT TO SCALE PLAN NORTH

# **ELECTRICAL ABBREVIATIONS**

- AUTHORITY HAVING JURISDICTION
- EMERGENCY VOICE/ALARM COMMUNICATIONS SYSTEM FIRE ALARM
- INTERNATIONAL BUILDING CODE
- NATIONAL FIRE PROTECTION ASSOCIATION ADDRESSABLE INPUT MONITOR MODULE

#### **SYMBOLS**

- FIRE ALARM CONTROL PANEL
- "75" INDICATES CANDELA RATING
  "C" INDICATES CEILING MOUNTED
- STROBE ONLY "75" INDICATES CANDELA RATING
- MANUAL PULL STATION
- NOTIFICATION APPLIANCE CIRCUIT

SMOKE DETECTOR

EXTENDER PANEL

- TAMPER SWITCH
- WATER FLOW SWITCH
- ADDRESSABLE INPUT MONITOR MODULE
- ELECTROMAGNETIC DOOR HOLDER
- KNOX BOX

#### APPLICABLE CODES AND STANDARDS

- INTERNATIONAL BUILDING CODE (IBC), 2018
- NFPA 1. FIRE CODE, 2018 • NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER
- SYSTEMS, 2016 • NFPA 70, NATIONAL ELECTRICAL CODE, 2020
- NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE,
- NFPA 101, LIFE SAFETY CODE, 2018
- NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS, 2019

#### **GENERAL NOTES**

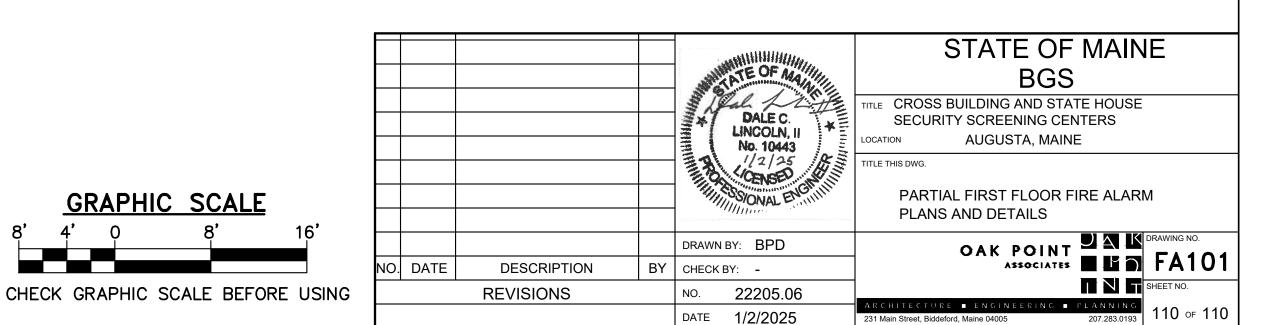
- PROVIDE A COMPLETE AND OPERATIONAL FIRE ALARM AND EMERGENCY VOICE/ALARM COMMUNICATIONS SYSTEM THAT IS CAPABLE OF CONNECTING TO THE EXISTING SYSTEM.
- 2. REFER TO ED101 AND ED102 FOR FIRE ALARM REMOVAL DEVICES.
- 3. CANDELA RATINGS SHOWN ON PLAN. CONTRACTOR MUST PROVIDE RATED CANDELA OR HIGHER.

#### KEYNOTES (THIS SHEET ONLY)

- 1 INSTALL SALVAGED FIRE ALARM CONTROL PANEL. EXTEND/RELOCATE EXISTING CIRCUITS FROM EXISTING LOCATION TO THIS LOCATION.
- 2 PROVIDE TYPES AND QUANTITIES OF DEVICES, APPLIANCES, AND CIRCUITS SHOWN ON SHOP DRAWINGS. ACTUAL NUMBER OF DEVICES, APPLIANCES, AND CIRCUITS IS NOT SHOWN. RETURN OF CIRCUITS TO FACP IS NOT SHOWN.
- 3 PROVIDE RED BRANCH CIRCUIT BREAKERS SERVING FACP AND NOTIFICATION APPLIANCE CIRCUIT BOOSTER EXPANDER PANELS. BREAKERS MUST BE A LISTED LOCK-ON CIRCUIT BREAKER. MARK BREAKERS "FIRE ALARM DISCONNECT"
- 4 PROVIDE ADDRESSABLE OUTPUT CONTROL MODULES AND PROGRAMMING FOR BYPASSING OF OCCUPANCY SENSOR CONTROLLED LIGHTING SERVING THE MEANS OF EGRESS UPON FACP ALARM ACTIVATION. THE MEANS OF EGRESS REQUIRING BYPASSING OF OCCUPANCY SENSOR CONTROLLED LIGHTING INCLUDES EXIT STAIRS, CORRIDORS, AISLES SERVING MULTIPLE WORK STATIONS, TOILET ROOMS, LACTATION ROOMS, AND THE LOBBY. REFER TO DETAIL 2/EL701 AND "EL" LIGHTING SHEETS FOR QUANTITIES AND LOCATIONS. COORDINATE WITH ELECTRICAL TRADE.
- 5 INSTALL SALVAGED FIRE ALARM DEVICE.
- 6 EXTEND EXISTING CIRCUITS FROM EXISTING LOCATION OF FACP TO NEW LOCATION OF FACP.
- 7 PROVIDE TAMPER ALARM FOR KNOX BOX.
- 8 NOTIFICATION APPLIANCE CIRCUIT EXTENDER PANEL MUST PROVIDE SUPPLEMENTAL POWER AND AMPLIFICATION FOR BOTH VISUAL AND AUDIBLE APPLIANCES.

### FIRE ALARM GENERAL NOTES

- PROVIDE WORK AREA WITH FIRE ALARM SYSTEM COVERAGE IN ACCORDANCE WITH THE PRESCRIPTIVE REQUIREMENTS OF THE CURRENTLY ADOPTED EDITIONS OF THE NFPA, INCLUDING 13, 70, 72, 90A, AND 101. THE INPUTS AND OUTPUTS OF THE EXISTING FIRE ALARM SYSTEM MUST BE MAINTAINED. THE EXISTING-TO-BE-RELOCATED FIRE ALARM CONTROL PANEL IS AN ADDRESSABLE HONEYWELL PANEL MARKED AS XLS 3000 AND XLS 140-2. IT IS LOCATED IN THE PROPERTY MANAGEMENT OFFICE 112 ON THE
- 2. THE BUILDING WIDE FIRE ALARM SYSTEM MUST BE KEPT IN SERVICE. WHERE SYSTEM INTERRUPTIONS ARE REQUIRED AND APPROVED BY THE OWNER, DO NOT INTERRUPT EXISTING SYSTEM COVERAGE WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT. THE IMPAIRMENT MUST COMPLY WITH, NFPA 241, AND THE APPROVED FIRE SAFETY PROGRAM PREPARED BY THE CONTRACTOR. THE SYSTEM MUST BE LEFT OPERATIONAL AT THE END OF EACH WORK DAY. PROVIDE WRITTEN NOTIFICATION OF INTENT TO INTERRUPT THE FIRE ALARM SYSTEM 14 DAYS PRIOR TO COMMENCEMENT OF WORK
- 3. FIRE ALARM CONTROL PANEL RELOCATION AND EXTENSION OF EXISTING CIRCUITS MUST BE PERFORMED DURING OFF-HOURS AND/OR WEEKENDS.
- 4. THE LAYOUTS ON SHEET FA101 ARE SHOWN FOR REFERENCE ONLY, DEVICES, APPLIANCES, AND EQUIPMENT, IN ADDITION TO THOSE SHOWN, MUST BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER TO MEET REQUIREMENTS OF NFPA 72.
- 5. FIELD VERIFY AND DOCUMENT HOW AND WHERE THE FIRE ALARM SYSTEM IS FED FROM THE MAIN PANEL. MAINTAIN THIS CONNECTION AND CONNECTIONS TO OTHER FLOORS. PERFORM CALCULATIONS BASED ON THESE FINDINGS TO INDICATE NFPA 72 COMPLIANCE. PROVIDE NOTIFICATION APPLIANCE CIRCUIT EXPANDER PANEL, BATTERIES, AND MODIFIED CIRCUITS AS REQUIRED FOR A COMPLIANT SYSTEM. LOCATE NOTIFICATION APPLIANCE CIRCUIT EXPANDER PANEL WITHIN IT/ELEC ROOM 110A. COORDINATE WITH THE ELECTRICAL TRADE.
- 6. PROVIDE WIRING AND CONDUIT INTERCONNECTING DEVICES AND APPLIANCES TO THE EXISTING FIRE ALARM SYSTEM. WIRING MUST BE IN ACCORDANCE WITH APPLICABLE CODES AND AS RECOMMENDED BY EQUIPMENT MANUFACTURERS. WIRING MUST BE RUN IN METAL CONDUIT (EMT MINIMUM, FLEXIBLE IS NOT PERMITTED), SIZED PER NFPA 70, (3/4" MINIMUM). CONDUIT MUST BE INSTALLED PARALLEL TO BUILDING LINES. CIRCUIT TYPE AND SURVIVABILITY MUST MATCH EXISTING CONDITIONS. CONDUIT MUST BE INSTALLED ABOVE CEILINGS WHERE DROP CEILINGS ARE PRESENT OR TO BE PROVIDED. WIRING MUST BE SOLID COPPER.
- 7. CONDUIT AND EQUIPMENT MUST BE PAINTED AND/OR MARKED IN ACCORDANCE WITH NFPA 72. FIRE ALARM JUNCTION BOX COVERS MUST BE PAINTED RED WITH THE INSIDE COVER LABELED "FIRE ALARM". PROVIDE 2" RED BANDS THAT COMPLETELY ENCIRCLE THE CONDUIT, AT 10 FOOT INTERVALS AND ON BOTH SIDES OF FLOOR, WALL, AND CEILING PENETRATIONS. PROVIDE BROTHER TYPE LABELS (OR EQUIVALENT) ON ADDRESSABLE DEVICES INDICATING THE DEVICE'S DIGITAL ADDRESS. CEILING MOUNTED DEVICES MUST BE LABELED ON TWO SIDES OF THE BASE. PULL STATIONS MUST HAVE LABEL ON TOP OF PULL STATION. ADDRESSABLE MODULES MUST ALSO INDICATE THE FUNCTION OF ASSOCIATED ITEM.
- 8. EQUIPMENT AND WIRING MUST BE NEW AND UL LISTED UNLESS OTHERWISE NOTED. RE-USE OF EXISTING CONDUIT FOR NEW EQUIPMENT, APPLIANCES, AND DEVICES IS NOT PERMITTED.
- 9. PROVIDE MODULES, BATTERIES, AND ACCESSORIES FOR A COMPLETE OPERATIONAL SYSTEM.
- 10. COORDINATE WORK WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND SPRINKLER TRADES.
- 11. SYNCHRONIZE NOTIFICATION APPLIANCES THAT ARE LOCATED IN THE SAME FIELD OF VISION.
- 12. THE PROVIDED FIRE ALARM SYSTEM MUST INITIALLY HAVE AUDIBILITY LEVELS BETWEEN 70 DBA AND 90 DBA. THESE VALUES MUST BE MET WITH DOORS IN THE CLOSED POSITION. SPEAKERS IN OFFICES AND OTHER SMALL SPACES MUST BE SET FROM 1/8 TO 1/4 WATTS AS CONFIRMED BY CALCULATIONS. AFTER OCCUPANCY. THE WORK AREA SOUND LEVELS ARE TO BE DOCUMENTED BY THE CONTRACTOR OVER A 24 HOUR PERIOD AND THE NOTIFICATION SYSTEM ADJUSTED AS REQUIRED TO ENSURE NFPA 72 COMPLIANCE.
- 13. SEE CODE REVIEW PLANS ON "G" SHEETS FOR LOCATIONS OF RATED WALLS AND PARTITIONS. REFER TO ARCHITECTURAL SHEETS FOR DETAILS OF PENETRATIONS THROUGH RATED CONSTRUCTION. COORDINATE WITH FIRESTOPPING INSTALLER.
- 14. PROVIDE NOTIFICATION APPLIANCES LOCATED TO AVOID WALL CABINETS, SHELVING, AND OTHER WALL OR CEILING MOUNTED ITEMS. PROVIDE CANDELA RATING TO ACCOUNT FOR FINAL APPLIANCE LOCATION WITHIN SPACES.
- 15. NOTIFICATION APPLIANCES MUST BE FLUSH MOUNTED. MANUAL PULL STATIONS MUST BE SEMI-FLUSH MOUNTED. PROVIDE WALL MODIFICATIONS TO ALLOW FOR RECESSED MOUNTING AND CONCEALED CONDUIT, INCLUDING AT EXISTING-TO-REMAIN WALLS. RESTORE FINISHES TO MATCH ADJACENT SURFACES AND MAINTAIN EXISTING FIRE AND/OR SMOKE RESISTANCE RATINGS.
- 16. PROVIDE WALL AND CEILING MODIFICATIONS TO ALLOW FOR WORK. RESTORE FINISHES TO MATCH ADJACENT SURFACES AND MAINTAIN EXISTING FIRE AND/OR SMOKE RESISTANCE RATINGS.
- 17. PROVIDE ONE SET OF AS-BUILT DRAWINGS ON-SITE IN THE DOCUMENT CABINET OR ADJACENT TO THE FIRE ALARM CONTROL PANEL IF A DOCUMENT CABINET IS NOT PRESENT.



4 FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX

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MULTIPLE