

ARCHITECTURE

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ALLEN ELEMENTARY SCHOOL REMODEL
SOUTHGATE COMMUNITY SCHOOLS

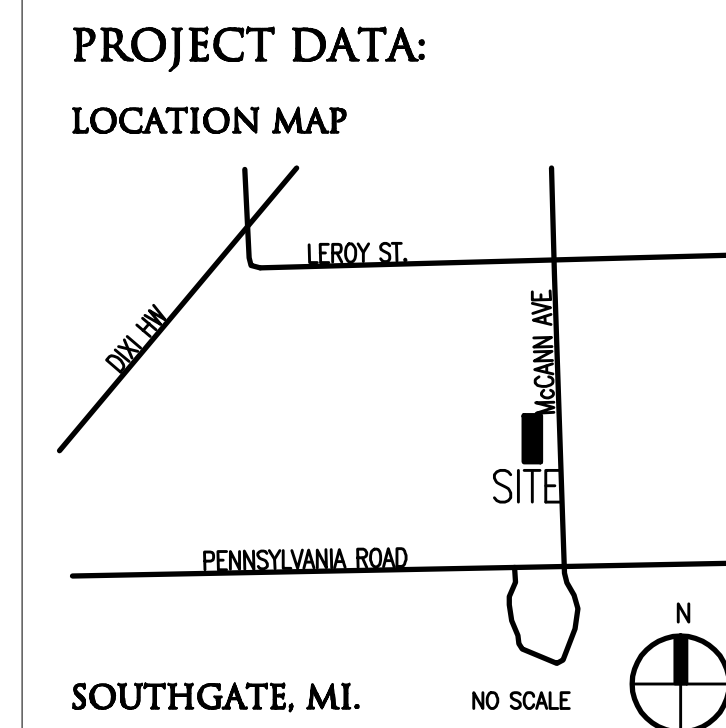
SOUTHGATE, MI 48195
PROJECT NUMBER 16009
BIDS - BID PACKAGE 2

CONSULTANTS:
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LIST OF DRAWINGS
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BUILDING:
BUILDING AREA(S) = 40,643 SQ. FT. (EXISTING)
1,310 SQ. FT. (EXISTING ALTERED)

CODE:
GOVERNING CODES:
- 1999 SCHOOL FIRE SAFETY RULES
(1997 Life Safety Code, plus amendments and policy letters)
- 2012 MICHIGAN BUILDING CODE
- 2012 MICHIGAN PLUMBING CODE
- 2012 MICHIGAN MECHANICAL CODE
- 2009 MICHIGAN UNIFORM ENERGY CODE
(MSI/ASHRAE/IESNA Standard 90.1-2007)
- 2014 MICHIGAN ELECTRICAL RULES (2014 NEC, plus Part 8 Rules)
- 2010 MICHIGAN ELEVATOR RULES
(MSME A17.1-2010, ASME A18.1-2011)
- MICHIGAN BARRIER FREE CODE
(Michigan Building Code 2012 and ICC A117.1-2009)
- 2012 MICHIGAN BOILER CODE RULES
(MSME Boiler and Pressure Vessel Code, 2010 edition, plus 2011a addenda)
(National Board Inspection Code [NBIC], 2011 edition)

ADDRESS: ALLEN ELEMENTARY SCHOOL
16500 McCANN AVE
SOUTHGATE, MI 48195

CONSTRUCTION CLASSIFICATION :
HPPA II(000)
M.B.C. 11B
FIRE PROTECTION: NON - SPRINKLERED
USE GROUP CLASSIFICATION: E (EDUCATION)

DATE 04-04-2016
ISSUED FOR: BP NO. 2 - BIDS

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REGISTRATION SEALS

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PROJECT TITLE
Allen Elementary
PROJECT NO.
16009
DRAWING NO.
TS.1



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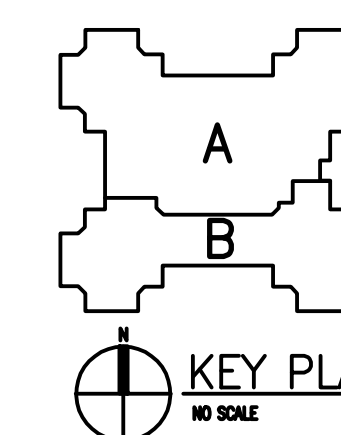
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PROJECT TITLE
**Allen Elementary
 Remodel**

Southgate Community Schools
 Southgate, Michigan

DRAWING TITLE
**First Level
 Composite Floor Plan**



KEY PLAN
 NO SCALE

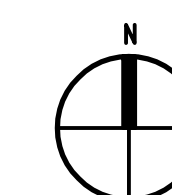
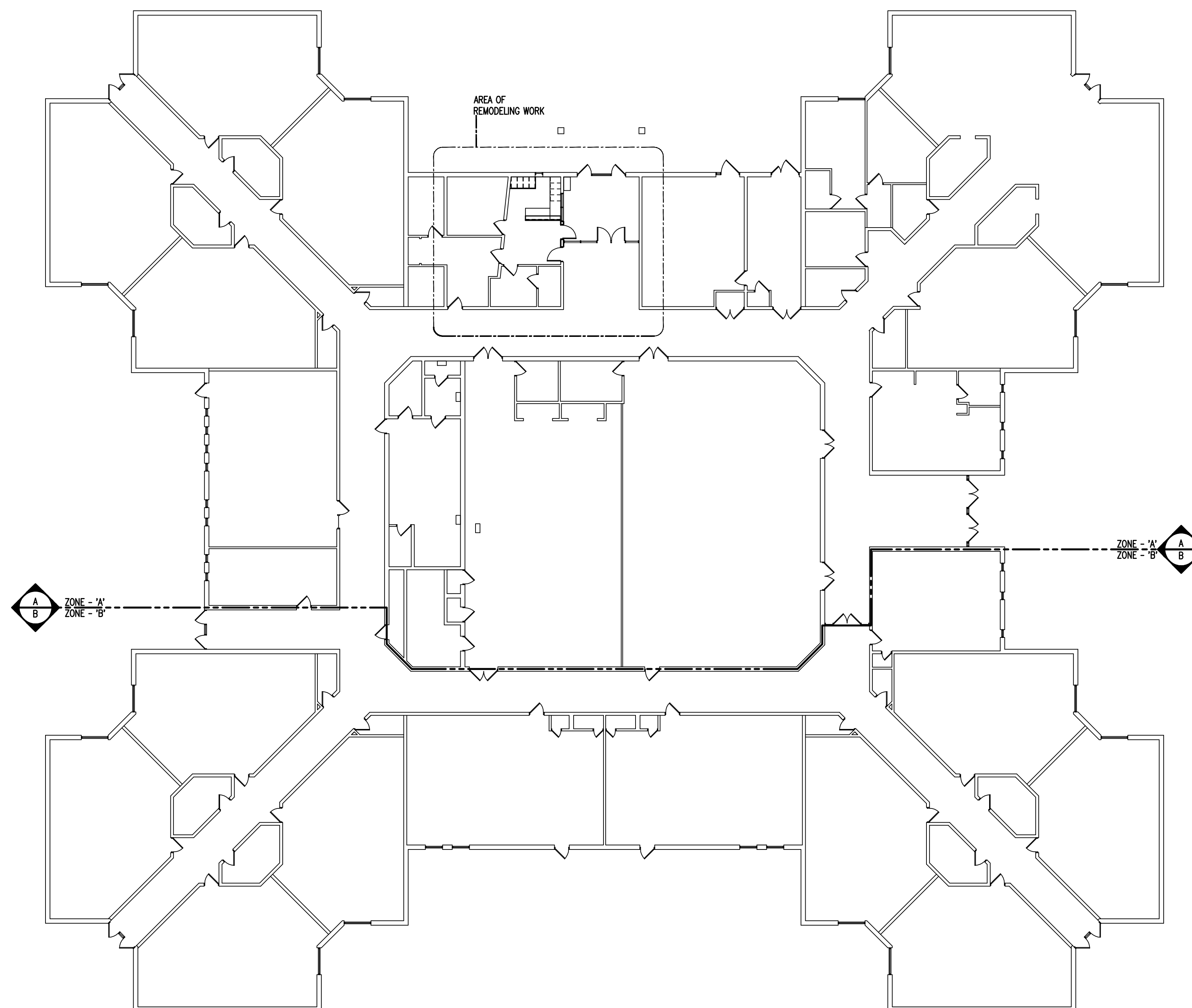
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04-04-2016 BP NO. 2 - BIDS
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PROJECT NO.
16009

DRAWING NO.
AC1.1



FIRST LEVEL COMPOSITE FLOOR PLAN
 SCALE: 1/16" = 1'-0"

DOOR & FRAME SCHEDULE

Opening		Door				Frame				Details			Threshold	U.L. Label	Hdw. Set	Remarks
No.	Opening Size (Width x Height)	Type	Material	Finish	Glass	Type	Material	Finish	Glass	Head	Jamb	Sill				
Lower Level - Zone 'A'																
A100A	EXISTING	C	EX. AL	EX.	-	EX.	EX. H.M.	EX.	-	-	-	-	-	-	-	-
A100B	EXISTING	C	EX. AL	EX.	-	EX.	EX. H.M.	EX.	-	-	-	-	-	-	-	-
A100C	3'-0" x 7'-2"	B	H.M.	PTD.	-	5/AD1.1	H.M.	PTD.	-	5/AD1.1	6, 10/AD1.1	-	-	-	-	-
A100D	3'-0" x 7'-2"	B	H.M.	PTD.	-	5/AD1.1	H.M.	PTD.	-	5/AD1.1	6, 10/AD1.1	-	-	-	-	-
A151A	EXISTING	A	EX. WD	EX.	-	EX.	EX. H.M.	EX.	-	-	-	-	-	-	-	-
A151B	EXISTING	A	EX. WD	EX.	-	EX.	EX. H.M.	EX.	-	-	-	-	-	-	-	-
A155A	3'-0" x 7'-2"	D	WD	PFN	-	7/AD1.1	H.M.	PTD.	-	7/AD1.1	8, 10/AD1.1	11/AD1.1	-	45	-	(2)
A155B	3'-0" x 7'-2"	D	WD	PFN	-	7/AD1.1	H.M.	PTD.	-	7/AD1.1	8, 10/AD1.1	11/AD1.1	-	45	-	-

DOOR SCHEDULE ABBREVIATIONS AND NOTES

(REFER TO SPECIFICATIONS FOR ADDITIONAL DOOR INFORMATION)

DOOR SCHEDULE ABBREVIATIONS

AL	ALUMINUM
ALGL	ALUMINUM AND GLASS
HM	HOLLOW METAL
WD	SOLID CORE HARDWOOD
PFN	PREFINISHED BY MANUFACTURER
PTD	PAINTED
MAR	SYNTHETIC MARBLE THRESHOLD
MET	METAL THRESHOLD
LAM	PLASTIC LAMINATE CLAD
FRP	FIBERGLASS REINFORCED POLYESTER
STSL	STAINLESS STEEL
STL	STEEL

DOOR SCHEDULE GENERAL NOTES

- GALVANIZED METAL TO BE PROVIDED FOR HOLLOW METAL DOOR AND/OR FRAME AT EXTERIOR LOCATION.
- DOORS ARE 1-3/4" THICK UNLESS OTHERWISE NOTED.
- DETAIL NUMBERS NOTED SIM. REFER TO DETAILS SHOWING HEAD, JAMB, AND/OR SILL DETAILS THAT REPRESENT CONDITIONS SIMILAR TO THOSE NOTED.
- HOLLOW METAL FRAMES SET IN MASONRY WALLS ARE 5/8" WIDE (U.O.N.).
- HOLLOW METAL FRAMES, SET IN GYPSUM BD., METAL STUD PARTITIONS, SHALL BE "DOUBLE BACK-BEND" FRAMES WITH A THROAT DIMENSION EQUAL TO THE PARTITION THICKNESS PLUS 9/16" RETURNS ON EACH SIDE OF THE PARTITION. PROVIDE EQUAL RABBETS.
- AN ASTERISK (*) CALLS ATTENTION TO THE REMARKS COLUMN OF THE SCHEDULE.

U.L. DOOR LABEL DESIGNATIONS:

U.L. LABEL**	MIN. OPENING PROTECTION ASSEMBLY
100	3 HR. FIRE RATING
80	1-1/2 HR. FIRE RATING
60	1 HR. FIRE RATING
45	3/4 HR. FIRE RATING
20	1/3 HR. FIRE RATING

** ALL FIRE RATED DOORS SHALL BE SMOKE AND DRAFT CONTROL LABELED IN ADDITION TO U.L. LABELS INDICATED.

GLAZING TYPES

(REFER TO SPECIFICATIONS FOR ASSEMBLIES)

GL-1	1/4" CLEAR TEMPERED MONOLITHIC GLASS
GL-2	45 MIN. FIRE RATED CLEAR GLASS



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REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
Allen Elementary Remodel

Southgate Community Schools
Southgate, Michigan

DRAWING TITLE
Door & Frame Schedule

ISSUE DATES

DATE ISSUED FOR:

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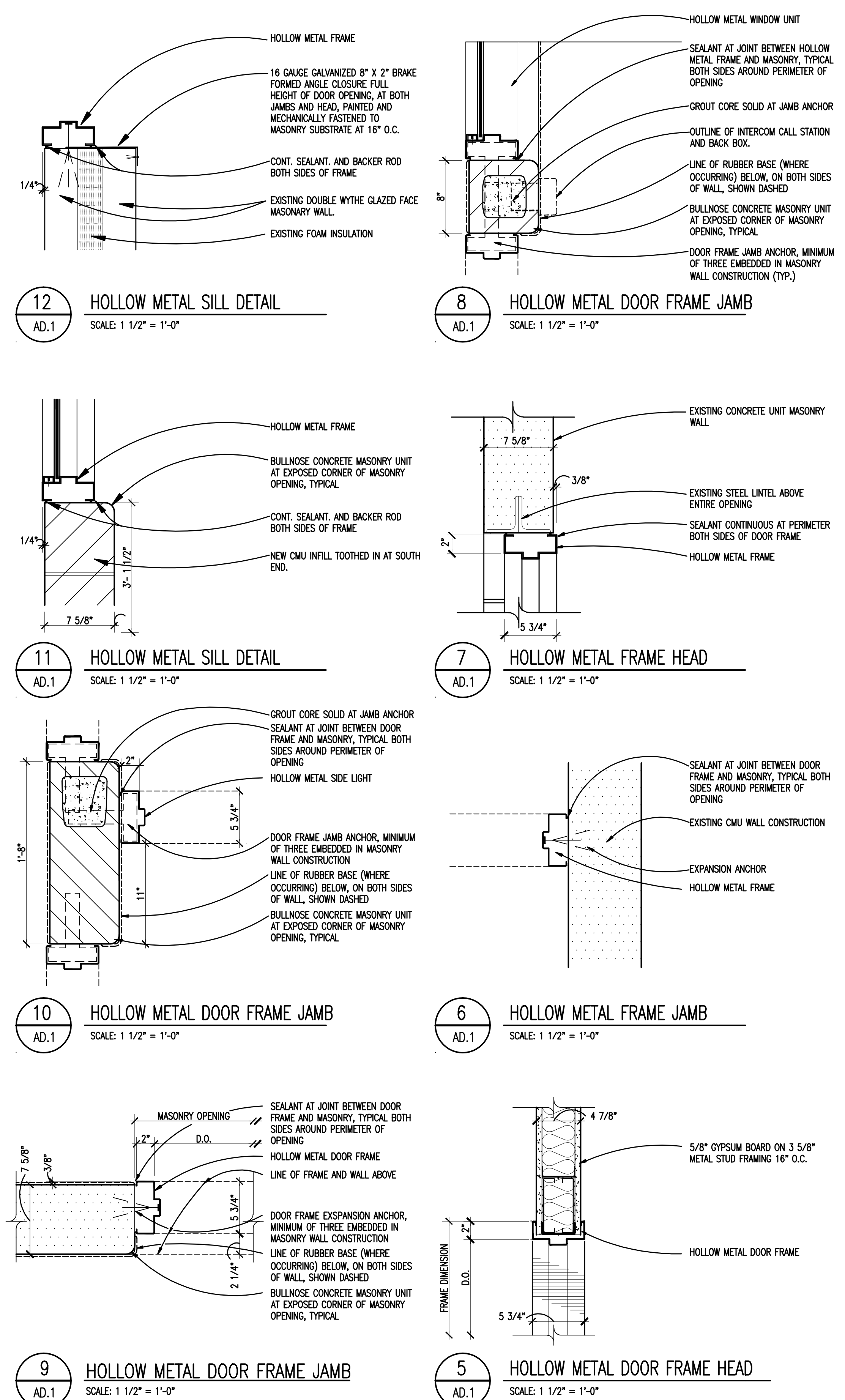
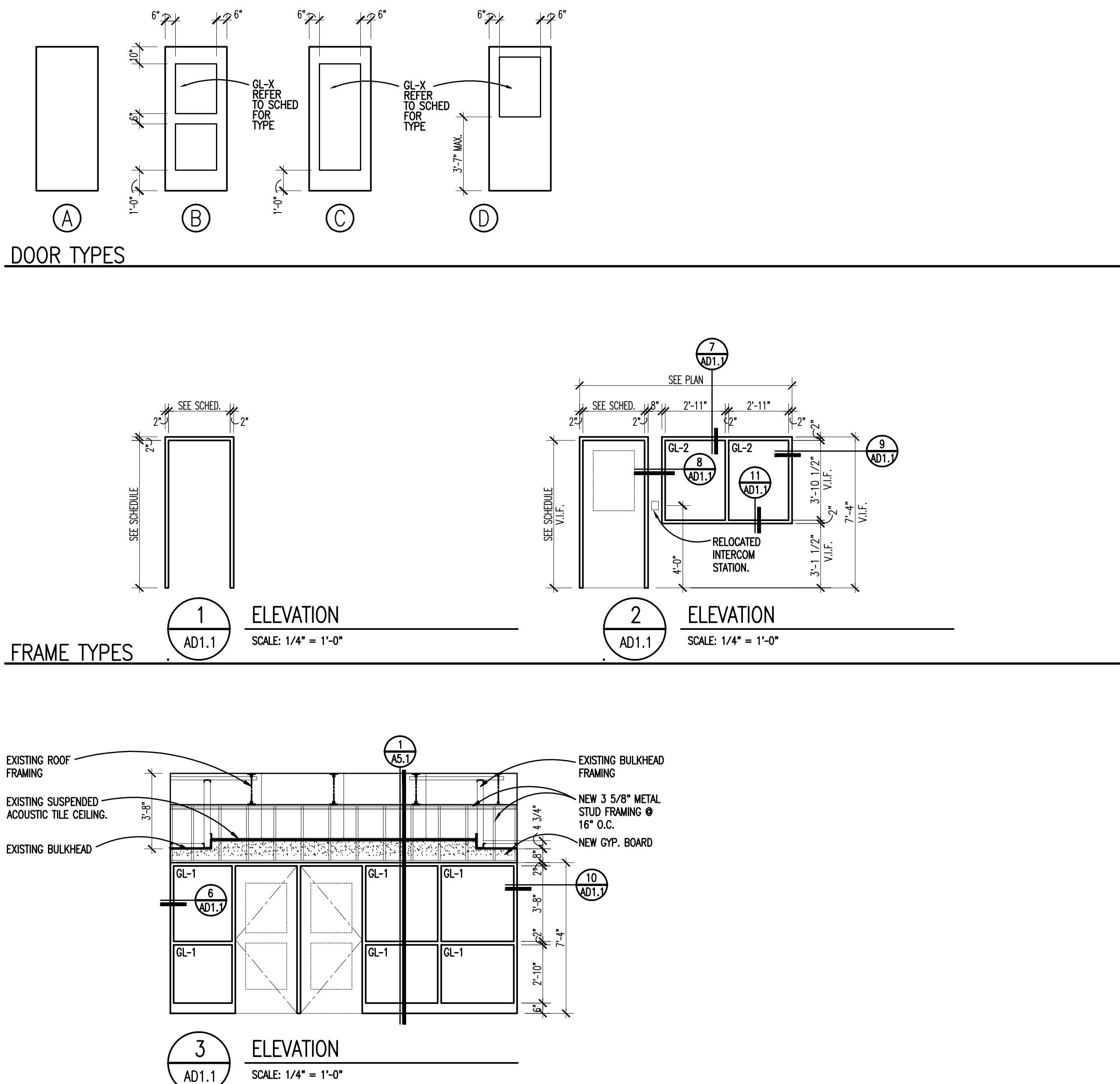
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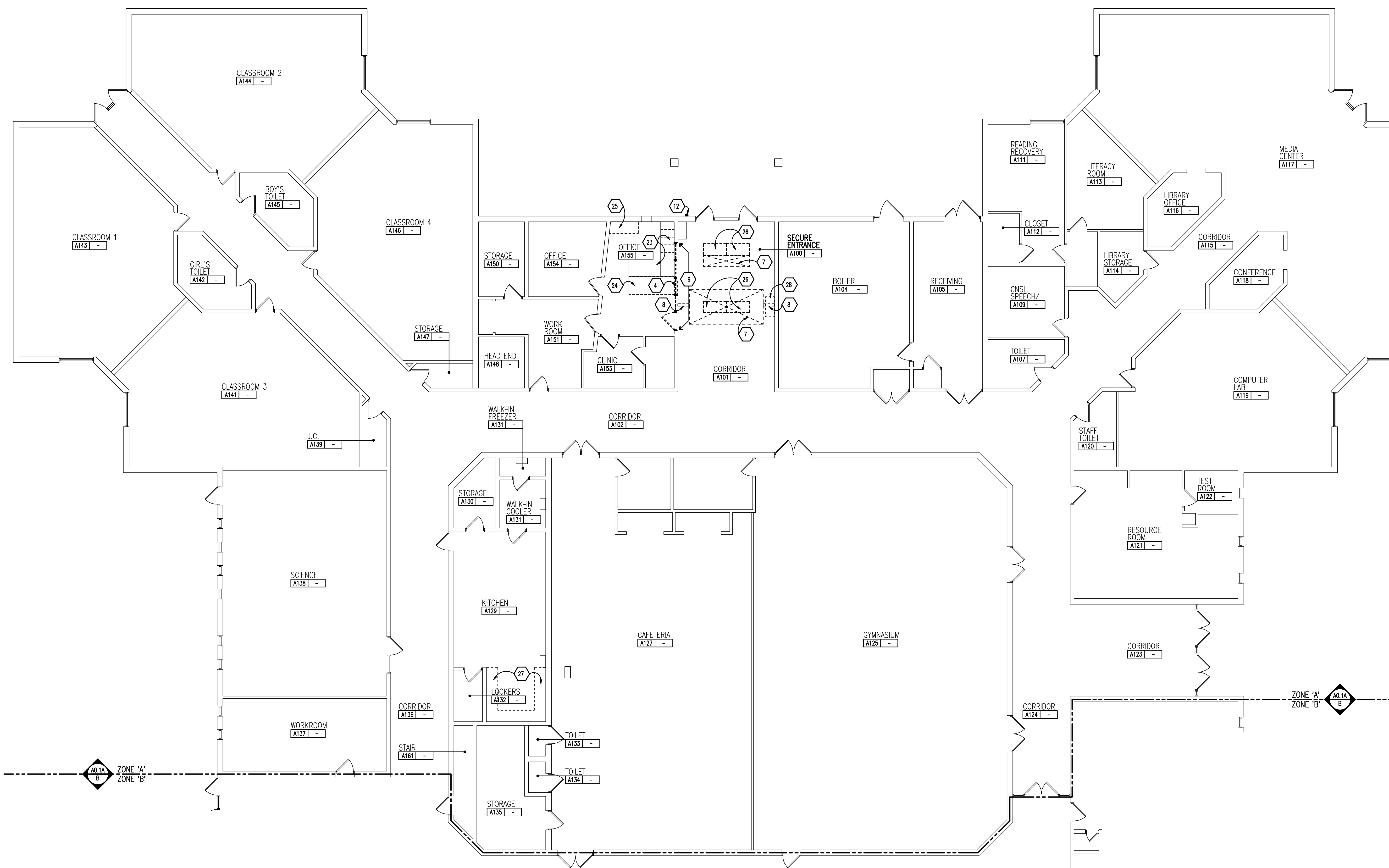
PROJECT NO.

16009

DRAWING NO.

AD1.1





GENERAL NOTES

- REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED AND ADDITIONAL DEMOLITION AND PATCHING WORK BY MECHANICAL AND ELECTRICAL TRADES.
- REFER TO FOOD SERVICE EQUIPMENT (FSE) DRAWINGS FOR ADDITIONAL INFORMATION.
- NOT USED.
- SEE EXTERIOR ELEVATIONS FOR ADDITIONAL DEMOLITION AND PATCHING WORK AT EXTERIOR OF BUILDING, INCLUDING (BUT NOT LIMITED TO) DEMOLITION NOTES RELATED TO WINDOW REPLACEMENT.
- WHERE REMOVAL OF CASEWORK, MILLWORK, CHALKBOARD, TACKBOARD, OR EQUIPMENT, IS INDICATED, FILL HOLES AND PATCH EXISTING WALLS, BASES AND CEILINGS WHICH ARE TO REMAIN EXPOSED.
- UNLESS OTHERWISE INDICATED, TOOTH NEW MATERIAL INTO EXISTING WHEREVER INFILL REMAINS EXPOSED.
- SEE SPECIFICATION SECTIONS 01731 AND 01732 FOR ADDITIONAL DEMOLITION AND PATCHING REQUIREMENTS.
- REFER ALSO TO ARCHITECTURAL WALL SECTIONS FOR ADDITIONAL SELECTIVE DEMOLITION.

DEMOLITION KEYNOTES

- REMOVE MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL NOTES AND DETAILS. PATCH, REPAIR AND/OR FILL EXPOSED ADJACENT SURFACES TO MATCH EXISTING (U.O.N.).
- REMOVE ALUMINUM WINDOW ASSEMBLY, STONE SILL AND MARBLE WINDOW STOOL. SALVAGE AND TURN OVER TO OWNER IF REQUESTED.
- REMOVE PORTIONS OF EXISTING CMU WALL TO ACCOMMODATE NEW OPENING. COORDINATE SIZE OF OPENING. REQUIRED WITH THE NEW WORK.
- REMOVE PORTIONS OF EXISTING PARTIAL HEIGHT CMU WALL BELOW GLAZING TO ACCOMMODATE NEW OPENING. CMU TO BE TOOTHED IN AT JAMBS. COORDINATE SIZE OF OPENING. REQUIRED WITH THE NEW WORK.
- REMOVE PORTIONS OF EXISTING CMU AND BRICK WALL TO ACCOMMODATE NEW OPENING. SAW CUT BRICK VERTICAL AND PLUMB OR SALVAGE BRICK AND TOOTH IN OPENING. CMU TO BE TOOTHED IN AT JAMBS. COORDINATE SIZE OF OPENING. REQUIRED WITH THE NEW WORK.
- REMOVE EXTERIOR BRICK AND CMU FOR NEW OPENING. COORDINATE EXTENT WITH THE NEW WORK. SAVE THE EXISTING BRICK FOR PATCHING OF THE WALL.
- REMOVE EXISTING CEILING IN ENTIRE ROOM OR AREA INDICATED REQUIRED TO ACCOMMODATE NEW WORK.
- REMOVE PORTION OF EXISTING GYPSUM CEILING BULKHEAD TO ACCOMMODATE NEW WALL HEAD CONSTRUCTION. ONCE NEW PARTITION INSTALLED PATCH BULKHEAD AND REPAINT ENTIRE BULKHEAD.
- REMOVE HOLLOW METAL FRAME, SIDELIGHTS & GLAZING, DOOR AND HARDWARE. SALVAGE ELEMENTS NOTED FOR REINSTALLATION OR SCHEDULED TO BE TURNED OVER TO THE OWNER.
- REMOVE DOOR AND HARDWARE. SALVAGE ELEMENTS NOTED FOR REINSTALLATION OR SCHEDULED TO BE TURNED OVER TO THE OWNER.
- REMOVE HARDWARE SPECIFIED AND PREPARE DOOR TO RECEIVE NEW HARDWARE. SALVAGE ELEMENTS NOTED FOR REINSTALLATION OR SCHEDULED TO BE TURNED OVER TO THE OWNER.
- REMOVE INTERCOM AND SALVAGE FOR REINSTALLATION. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- REMOVE EXISTING OVERHEAD DOOR OPERATOR AND RELATED CONTROLS, INCLUDING ACTUATORS AND SALVAGE FOR REINSTALLATION. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- REMOVE EXTERIOR ALUMINUM DOORS, FRAMING AND GLAZING, INCLUDING ADJACENT GLAZED-IN PANELS, ALUMINUM THRESHOLDS AND HARDWARE. SALVAGE FOR REINSTALLATION AS NOTED FOR NEW WORK.
- REMOVE CONCRETE FLOOR SLAB TO EXTENT SHOWN.
- REMOVE VCT FLOOR FINISH. PREPARE SUB FLOOR TO RECEIVE NEW FINISH.
- REMOVE CARPET. PREPARE SUBFLOOR TO RECEIVE NEW FINISH.
- REMOVE TERRAZZO BASE TO EXTENT REQUIRED TO ACCOMMODATE NEW DOOR OPENING.
- WAT FLOORING TO BE ABATED BY OTHERS. PREPARE SUB FLOOR TO RECEIVE NEW FINISH.
- REMOVE DISPLAY CASE, FRAMING, SHIELVING, LIGHTING AND GLAZING.
- REMOVE CURTAIN TRACK AND CURTAIN (OR VERTICAL BLINDS). FILL, PATCH, REPAIR AND FINISH TO MATCH EXISTING.
- REMOVE SHELVING. PATCH AND FILL HOLES IN EXISTING WALLS.
- REMOVE BASE CABINETS AND COUNTERTOP TO REMAIN. TIE INTO NEW WORK AS DETAILED.
- REMOVE COUNTERTOP(S) AND EXISTING BASE CABINET CASEWORK. SALVAGE BASE CABINET CASEWORK FOR REINSTALLATION WITH NEW COUNTERTOPS.
- REMOVE COUNTERTOP AND METAL DESK BASE.
- REMOVE LIGHT FIXTURE AND SALVAGE FOR REINSTALLATION, OR TO BE TURNED OVER TO OWNER. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- DISHWASHING EQUIPMENT TO BE REMOVED BY OWNER. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- AQUARIUM AND BASE TO BE RELOCATED BY OWNER.
- REMOVE AND SALVAGE FOR REINSTALLATION, EXISTING WALL MOUNTED MAIL CASEWORK UNIT.
- NOT USED
- NOT USED
- NOT USED
- NOT USED
- REPOSITION EXISTING CASEWORK AND COUNTERTOP AS INDICATED ON FLOOR PLAN.
- REMOVE EXISTING GYPSUM BOARD BULKHEAD ASSEMBLY WITHIN NEW VESTIBULE.

SALVAGED ITEMS

- DOORS AND HARDWARE.
- CASEWORK AS NOTED.
- INTERCOM CALL STATION EQUIPMENT.
- ELECTRIC STRIKES AS NOTED.



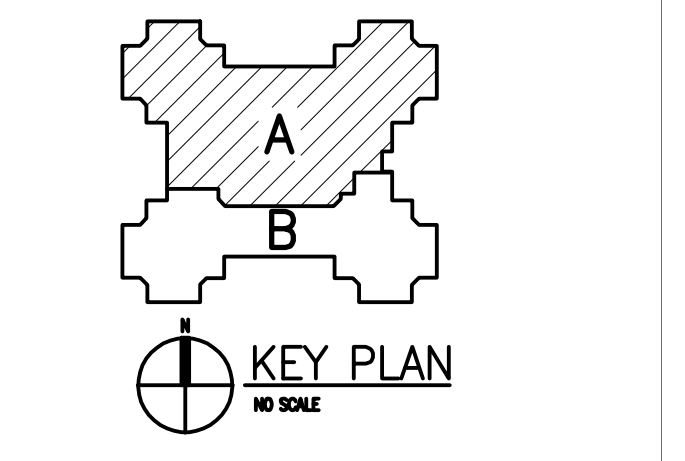
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
Allen Elementary Remodel

Southgate Community Schools
 Southgate, Michigan

DRAWING TITLE
First Level Demolition Plan - Zone 'A'



ISSUE DATES

NO.	DATE	DESCRIPTION

04-04-2016 BP NO. 2 - BDS
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16009
 DRAWING NO.
A0.1A

N
DEMOLITION PLAN - ZONE 'A'
 SCALE: 1/8" = 1'-0"

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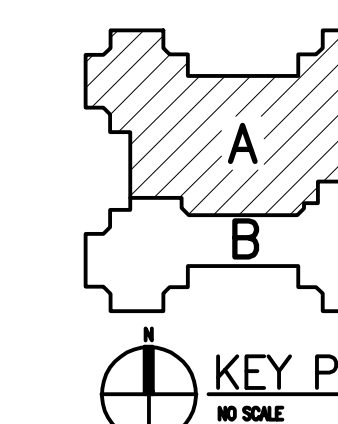
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Allen Elementary Remodel

Southgate Community Schools
 Southgate, Michigan

DRAWING TITLE
First Level Floor Plan - Zone 'A'



ISSUE DATES

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 DRAWING NO.
A1.1A

WALL / PARTITION KEY	
	EXISTING WALL CONSTRUCTION
	METAL STUD PARTITION
	CONCRETE MASONRY UNIT WALL w/ HORIZONTAL JOINT REINFORCEMENT AT 16" O.C.
	CAST-IN-PLACE CONCRETE WALL (REFER TO STRUCTURAL FOR REINFORCING REQUIREMENTS)

WALL / PARTITION LEGEND	
	3-5/8" METAL STUDS AT 16" O.C. (MAX.) WITH 5/8" GYPSUM BOARD EACH SIDE. HEIGHT FROM FLOOR TO STRUCTURE ABOVE.

NOTE: COORDINATE WITH THE REFLECTED CEILING PLANS FOR RATED WALLS, WALLS WHICH EXTEND UP TO THE STRUCTURE ABOVE AND WALLS WHICH EXTEND ONLY A MINIMUM OF 4" ABOVE THE ADJACENT HIGHEST CEILING. DIMENSIONS OF WALLS ARE SHOWN NOMINAL IN PLAN FOR DETERMINING THE CMU THICKNESS. REFER TO BUILDING SECTIONS, WALL SECTIONS AND INTERIOR ELEVATIONS FOR BANDING OF SPECIAL CMU TYPES OR ANY OTHER SPECIAL CONDITIONS. PARTIAL HEIGHT CMU WALLS WILL BE NOTED AS SUCH ON THE FLOOR PLANS.

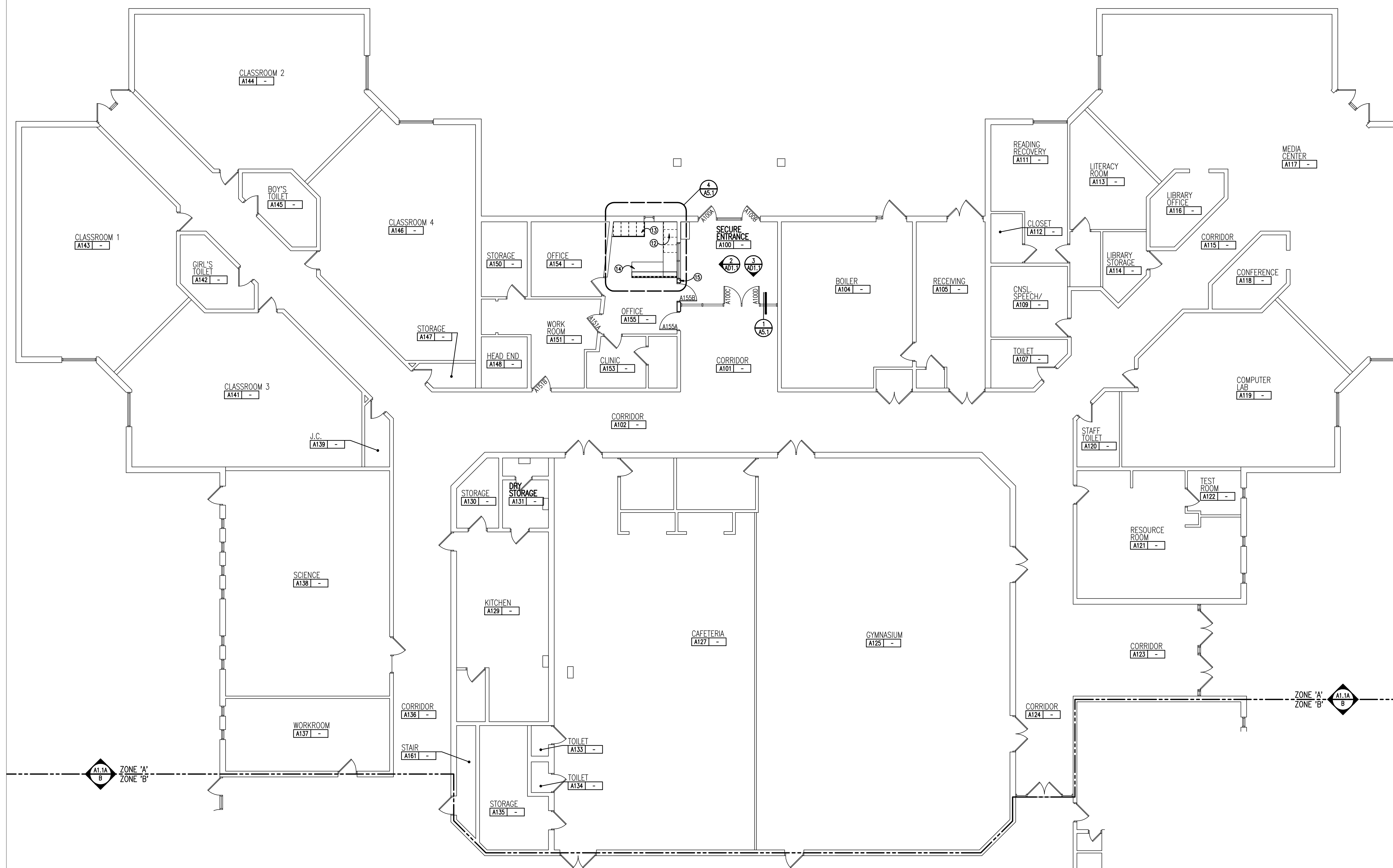
NOTE: AT FIRE-RATED AND SMOKE-RESISTING WALLS (MASONRY OR GYPSUM BOARD), PROVIDE U.L. APPROVED, FIRE-RATED, HEAD-OF-WALL TERMINATIONS AS INDICATED. IF NOT INDICATED, PROVIDE "BASIS OF DESIGN", HEAD-OF-WALL FIRESTOP JOINT SYSTEM AS INDICATED IN SPECIFICATION SECTION 07942 (1 OR 2 HOUR AS APPROPRIATE). PROVIDE MINIMUM 1 HOUR TERMINATION AT SMOKE-RESISTING WALLS.

NOTE: ALL CMU IS 8" THICK (NOM.) UNLESS DIMENSIONED OTHERWISE.

GENERAL NOTES	
1.	COORDINATE SIZE AND LOCATION OF ALL CONCRETE HOUSEKEEPING PADS AND/OR COURMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURERS.
2.	COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY EACH TRADE. ALL LOCATIONS MUST BE COORDINATED AND APPROVED BY THE ARCHITECTS FIELD REPRESENTATIVE.
3.	CONTRACTORS SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS IN THE FIELD AND NOTIFY THE ARCHITECTS REPRESENTATIVE OF ANY DISCREPANCIES BEFORE START OF WORK.
4.	FLOOR PLANS ARE DIMENSIONED TO NOMINAL WALL THICKNESS - TYPICAL.
5.	DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECTS REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
6.	PROVIDE INTERIOR CMU AND GYPSUM BOARD CONTROL JOINTS AT BOTH JAMBS OF DOORS, WINDOWS, AND OPENINGS. PROVIDE AT HEAD AND SILL OF WINDOWS AND PASS THRU OPENINGS.
7.	PROVIDE CONTROL JOINTS WHERE INTERIOR CMU (ON SLAB) ABUTS EXTERIOR/INTERIOR MASONRY (ON FOUNDATIONS OR FOOTINGS)
8.	VERIFY QUANTITY, SIZE, AND LOCATION OF ALL FLOOR, ROOF, AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL UNITS REQUIRED FOR THESE OPENINGS PER SPECIFICATIONS.
9.	REFER TO REFLECTED CEILING PLANS FOR EXTENSION OF PARTITION WALLS TO FLOOR OR ROOF CONSTRUCTION ABOVE AND WALL FIRE RESISTANCE RATING REQUIREMENTS.
10.	REFER TO A10... SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
11.	VERIFY ALL DIMENSIONS IN FIELD.
12.	PROVIDE WOOD BLOCKING WITHIN STUD WALLS FOR WALL MOUNTED ITEMS i.e. GRAB BARS, TOWEL DISPENSERS, PENCIL SHARPENERS, WALL STOPS, ACCORDIAN PARTITION JAMBS, ETC. REFER ALSO TO AS... SERIES AND AS... SERIES DRAWINGS.

PATCHING NOTES	
1.	REFER TO DEMOLITION PLANS FOR ADDITIONAL PATCHING NOTES.
2.	FOR ALL FLOOR SURFACES RECEIVING NEW FLOOR FINISHES, PREPARE SUBSTRATE BY PROVIDING LEVELING AND PATCHING COMPOUNDS RECOMMENDED BY FINISH FLOORING MANUFACTURERS. CONTRACTOR'S BASE BID PROPOSAL SHALL ASSUME THAT ALL AREAS, INDICATED TO RECEIVE NEW FINISHES, WILL REQUIRE FLOOR PREPARATION.
3.	PATCH AND REPAIR ALL FLOOR AND WALL SURFACES LEFT DAMAGED OR INCOMPLETE FROM REMOVAL OF EXISTING PARTITIONS, MILLWORK, CASEWORK, CHALKBOARDS, TAGBOARD, DISPLAY CASES OR OTHER FIXED EQUIPMENT WITH MATERIALS TO MATCH EXISTING, AS ACCEPTABLE TO THE ARCHITECT.
4.	MATCH EXISTING MASONRY COURSING ADJACENT IN EACH AREA AND TOOTH NEW WORK INTO EXISTING, UNLESS OTHERWISE INDICATED.
5.	AT EXISTING FLOOR FINISHES TO REMAIN, THAT BECOME SUBSTRATES FOR NEW FLOOR FINISHES, PATCH AND FILL EXISTING AS REQUIRED TO PREPARE FOR NEW FLOOR FINISH UNTIL ACCEPTABLE TO NEW FLOOR FINISH CONTRACTOR.
6.	TOOTH-IN MASONRY INTO EXISTING, U.O.N., INCLUDING JAMBS OF DOOR AND OTHER OPENINGS.

CONSTRUCTION KEY NOTES	
1	INSTALL NEW DOORS, FRAMES AND HARDWARE. REFER TO DRAWING AD1.1 FOR ADDITIONAL INFORMATION
2	NEW POWER DOOR OPERATOR ACTUATOR SWITCH
3	NEW KEYPAD/PROXIMITY READER
4	NEW PROXIMITY READER
5	EXISTING POWER DOOR OPERATOR ACTUATOR SWITCH TO REMAIN
6	PROVIDE STAINLESS STEEL COVER PLATE WITH TAMPER PROOF SCREWS TO BACK BOX FOR ABANDONED INTERROOM LOCATION (INTERROOM REMOVED FOR RELOCATION)
7	PROVIDE STAINLESS STEEL COVER PLATE WITH TAMPER PROOF SCREWS TO BACK BOX FOR ABANDONED OVERHEAD DOOR OPERATOR ACTUATOR SWITCH LOCATION ACTUATOR SWITCH REMOVED FOR RELOCATION)
8	EXISTING KEYPAD/PROXIMITY READER TO REMAIN
9	NEW PROXIMITY READER AND ELECTRONIC STRIKE
10	NEW ELECTRONIC STRIKE
11	PROVIDE NEW STRIKE TO DOOR FRAME, COORDINATED WITH EXISTING EXIT DEVICE.
12	EXISTING COUNTER AND BASE COUNTER TO REMAIN.
13	NEW COUNTERTOP AND SALVAGED BASE CABINET CASEWORK.
14	NEW MILLWORK UNIT WITH TRANSACTION COUNTER.
15	RELOCATED INTERROOM CALL STATION
16	RETAIN EXISTING FRAME IN OPENING.
17	PATCH ROOFING ASSEMBLY AROUND NEW CURB AT PENETRATIONS FOR MECHANICAL AND ELECTRICAL SERVICES AND PROVIDE MEMBRANE AND GALVANIZED FLASHINGS FOR CURB PROVIDED BY MECHANICAL CONTRACTOR.
18	REPOSITION EXISTING BASE CABINETS AND COUNTERTOP AS INDICATED.



N
FIRST LEVEL FLOOR PLAN - ZONE 'A'
 SCALE: 1/8" = 1'-0"



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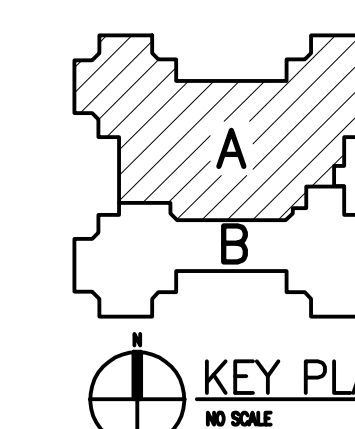
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
Allen Elementary Remodel

Southgate Community Schools
Southgate, Michigan

DRAWING TITLE
First Floor Reflected Ceiling Plan - Zone 'A'



ISSUE DATES

DATE: 04-04-2016

ISSUED FOR: BP NO. 2 - BIDS

DRAWN: AKW

CHECKED: ...

APPROVED: ...

PROJECT NO.

16009

DRAWING NO.

A2.1A

FIXTURE LEGEND

	RECESSED FLUORESCENT TROFFER (2'x4' 1'x4')
	FLUORESCENT COVE LIGHTING
	FLUORESCENT INDUSTRIAL FIXTURE
	SURFACE MOUNTED FLUORESCENT FIXTURE
	PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE
	RECESSED DOWNLIGHT
	EXIT SIGN / LIGHT
	SMOKE DETECTOR
	CEILING MOUNTED CABINET UNIT HEATER
	EXHAUST GRILLE
	SUPPLY DIFFUSER
	RETURN-AIR GRILLE
	SPEAKER
	PENDANT SPRINKLER HEAD (SEE MECHANICAL FOR TYPE)
	SIDEWALL SPRINKLER HEAD

CEILING LEGEND

	GYP-SUM DRYWALL OR SYNTHETIC VENEER PLASTER CEILING/SOFFIT
	24" x 48" SUSPENDED LAY-IN ACOUSTICAL CEILING
	24" x 24" SUSPENDED LAY-IN ACOUSTICAL CEILING
	ALUMINUM PANEL SOFFIT
	LINEAR PVC CEILING
	EXPOSED OR EXISTING CONSTRUCTION TO REMAIN

CEILING FINISH KEY

ROOM NAME AND NUMBER PLUS GENERAL CEILING FINISH AND HEIGHT UNLESS NOTED OTHERWISE BY FINISH KEY	FINISH KEY SPECIFIC FINISH INFORMATION WHERE VARIOUS FROM CEILING FINISH KEY
CLASSROOM	ROOM NAME
101	ROOM NUMBER
ACT	CEILING FINISH ABBREVIATION (SEE BELOW)
9'-0"	CEILING HEIGHT (A.F.F.)
8'-10"	CEILING HEIGHT (A.F.F.)

CEILING FINISH ABBREVIATIONS

ACT	ACOUSTICAL LAY-IN CEILING TILE
ALUM	ALUMINUM PANEL
AWP	ACOUSTICAL WALL PANEL
AB	ACOUSTICAL BAFFLE
EX	EXISTING
EXP-P	EXPOSED CONSTRUCTION - TO BE PAINTED
FB	FABRIC BANNER
GYP-P	GYP-SUM BOARD - TO BE PAINTED
GYP-EP	GYP-SUM BOARD - TO BE EPOXY PAINTED
LPV	LINEAR PVC SYSTEM
PT	PAINT
SVP	SYNTHETIC VENEER PLASTER (UNFINISHED)

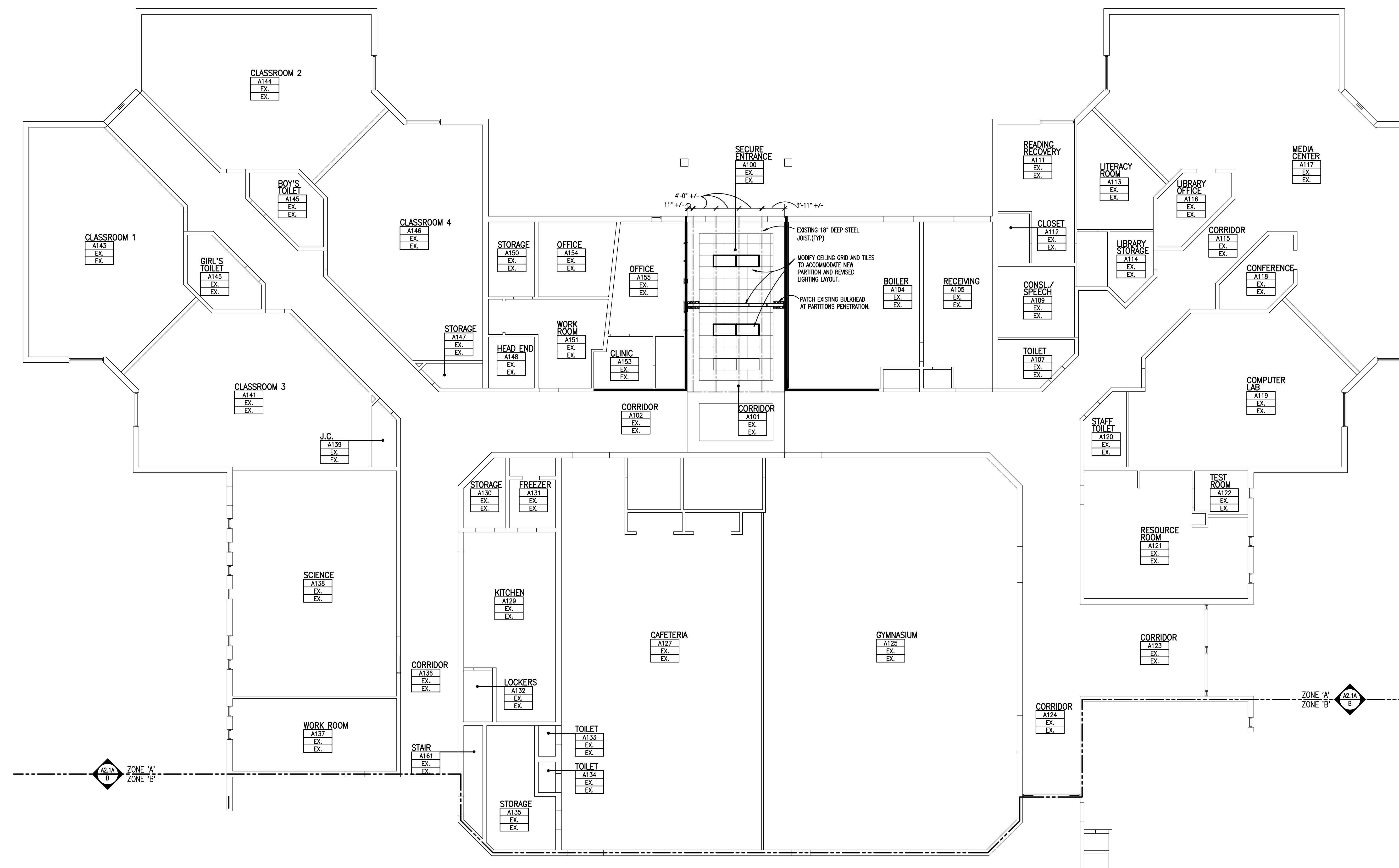
- NOTES**
- REFER TO FINISH PLANS FOR INFORMATION ON ROOM FINISHES.
 - REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION ON MATERIALS AND CONSTRUCTION.
 - WHERE EXPOSED CONSTRUCTION IS INDICATED TO BE PAINTED, THIS SHALL INCLUDE ALL STRUCTURAL MEMBERS, ROOF/FLOOR DECK, DUCTWORK, DIFFUSERS, GRILLES, PIPING, SUSPENDED EQUIPMENT, CONDUITS, ETC. (U.O.N.)

REFLECTED CEILING PLAN WALL LEGEND

(ALL WALLS INDICATED WITH LINE TYPES BELOW CONTINUE TO FLOOR OR ROOF STRUCTURE ABOVE - ALL WALLS WITHOUT THESE INDICATIONS EXTEND A MINIMUM OF 4" ABOVE THE HIGHEST ADJACENT CEILING)

	: 2-HOUR FIRE RATED HORIZONTAL EXIT
	: 2-HOUR FIRE BARRIER
	: SMOKE BARRIER WITH 1-HOUR FIRE RATING
	: SMOKE BARRIER (NON-RATED) UNENCLOSED FLOOR OPENINGS
	: 1-HOUR FIRE BARRIER FOR UNENCLOSED FLOOR OPENINGS
	: 1-HOUR FIRE RATED EXIT/ELEVATOR SHAFT ENCLOSURE
	: 1-HOUR FIRE BARRIER ENCLOSED VERTICAL SHAFTS
	: 1-HOUR FIRE BARRIER FOR PROTECTION FROM HAZARDS
	: SMOKE RESISTING PARTITION
	: NON RATED WALLS TO STRUCTURE ABOVE

- REFLECTED CEILING PLAN GENERAL NOTES**
- REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION PERTAINING TO ELECTRICAL AND MECHANICAL WORK.
 - COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. SPOT ALL LOCATIONS WITHIN FIXED GYP-SUM BOARD CEILINGS AND RECEIVE APPROVAL FROM THE ARCHITECT'S FIELD REPRESENTATIVE BEFORE PLACEMENT.
 - COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTS.
 - ALL SMOKE BARRIER PARTITIONS, HORIZONTAL EXIT ENCLOSURES AND FIRE RATED PARTITIONS WHICH EXTEND TO THE DECK ABOVE SHALL BE MARKED EVERY 20'-0" HORIZONTALLY WITHIN THE CEILING SPACE: *FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS*
 - ALL GYP-SUM BOARD FASCIAS @ SOFFITS, ADJACENT TO LAY-IN CEILINGS, SHALL EXTEND 4" MINIMUM ABOVE LAY-IN CEILINGS.
 - PROVIDE WOOD BLOCKING, ABOVE GYP-SUM BOARD CEILINGS, AS REQUIRED FOR MISCELLANEOUS SUSPENDED ITEMS (e.g. CURTAIN TRACKS, WINDOW SHADES, ACOUSTICAL BAFFLES, ETC.).
 - REFER TO DRAWING A8.1 FOR TYPICAL DETAILS PERTAINING TO WALL TERMINATIONS AT STRUCTURE ABOVE.
 - REFER TO LIFE SAFETY PLANS FOR DAMPENING REQUIREMENTS



FIRST LEVEL REFLECTED CEILING PLAN - ZONE 'A'
SCALE: 1/8" = 1'-0"

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Apr 01, 2016 - 10:38am

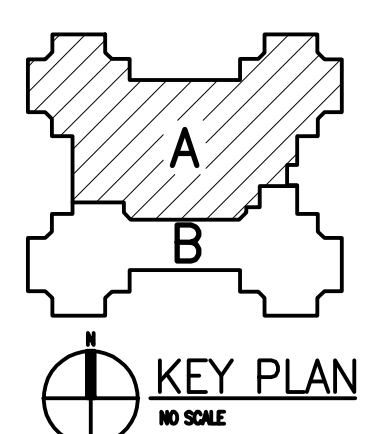
REGISTRATION SEAL

CONSULTANT

PROJECT TITLE
Allen Elementary Remodel

Southgate Community Schools
 Southgate, Michigan

DRAWING TITLE
Details

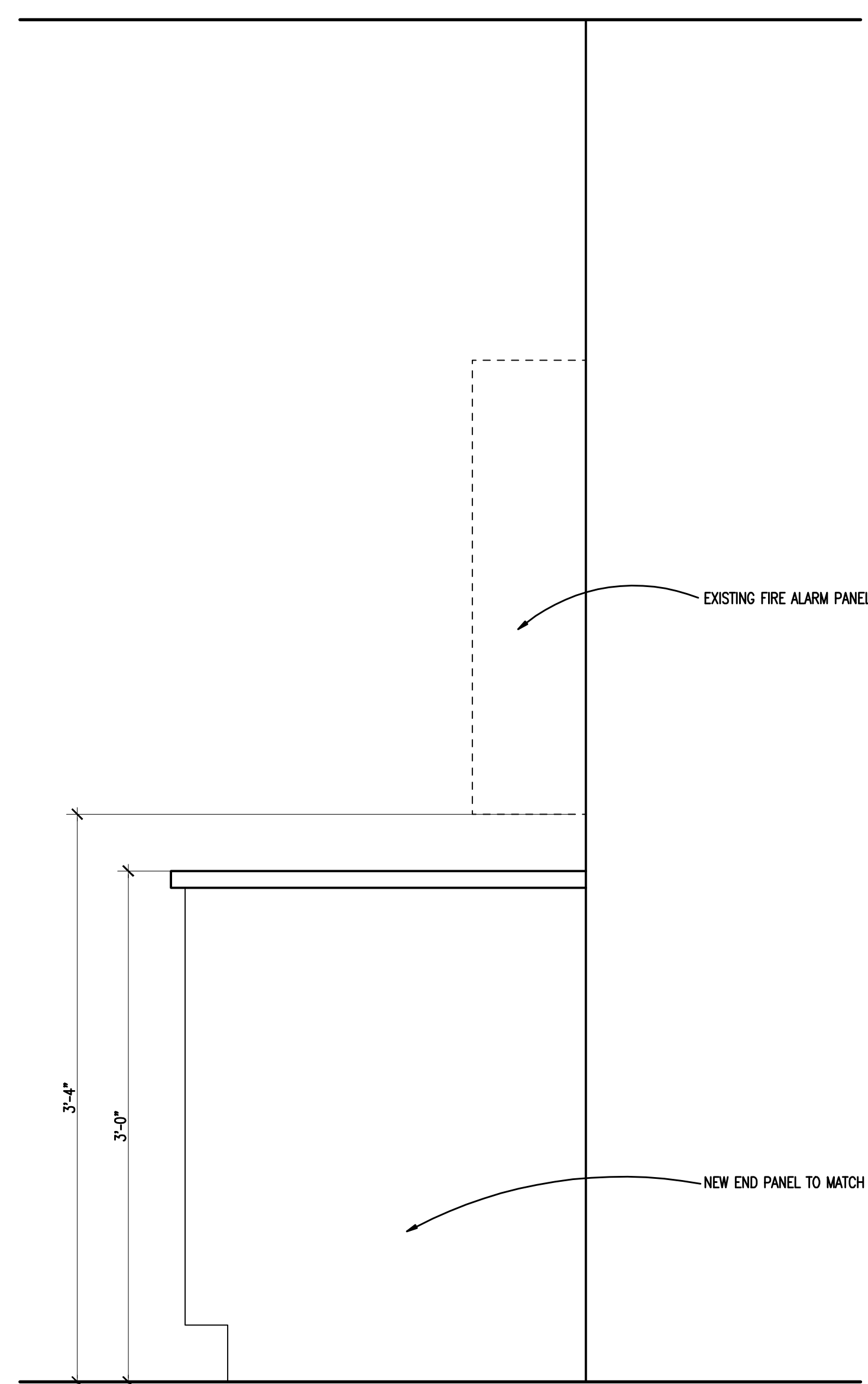


ISSUE DATES

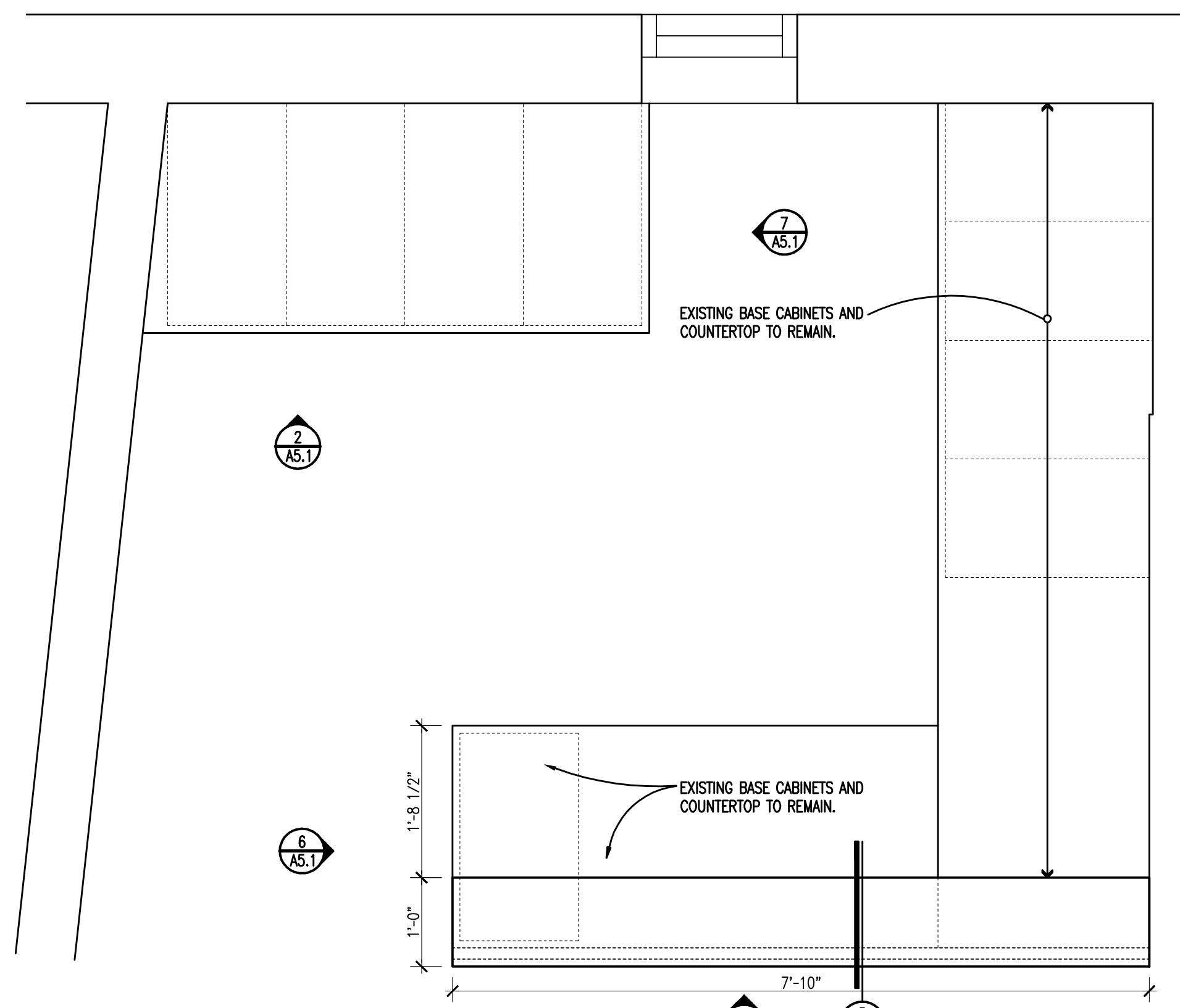
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CHECKED	...
APPROVED	...

PROJECT NO.
16009

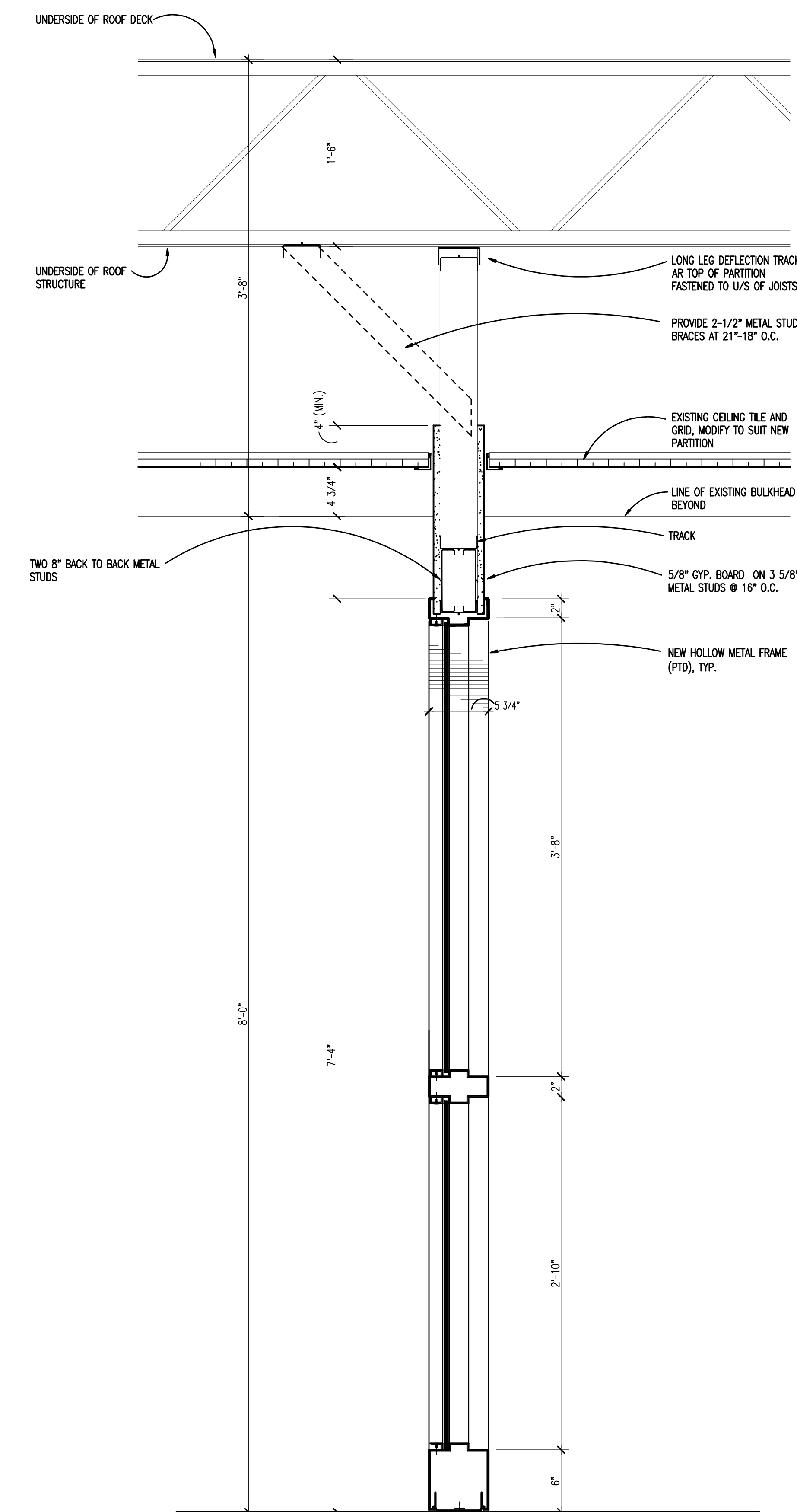
DRAWING NO.
A5.1



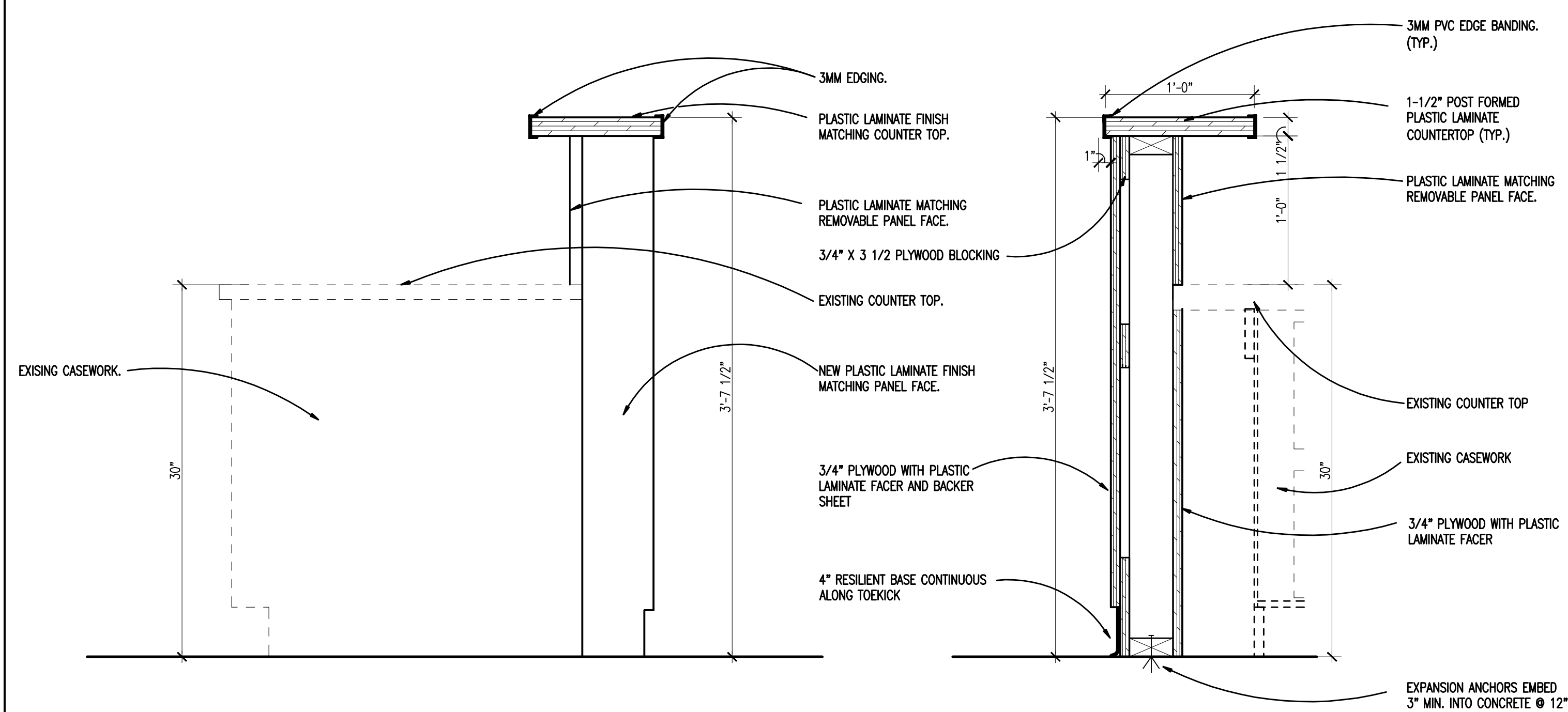
7 TRANSACTION COUNTER DETAIL - A155
 A5.1 SCALE: 1 1/2" = 1'-0"



4 ENLARGED CASEWORK PLAN
 A1.1A SCALE: 3/4" = 1'-0"

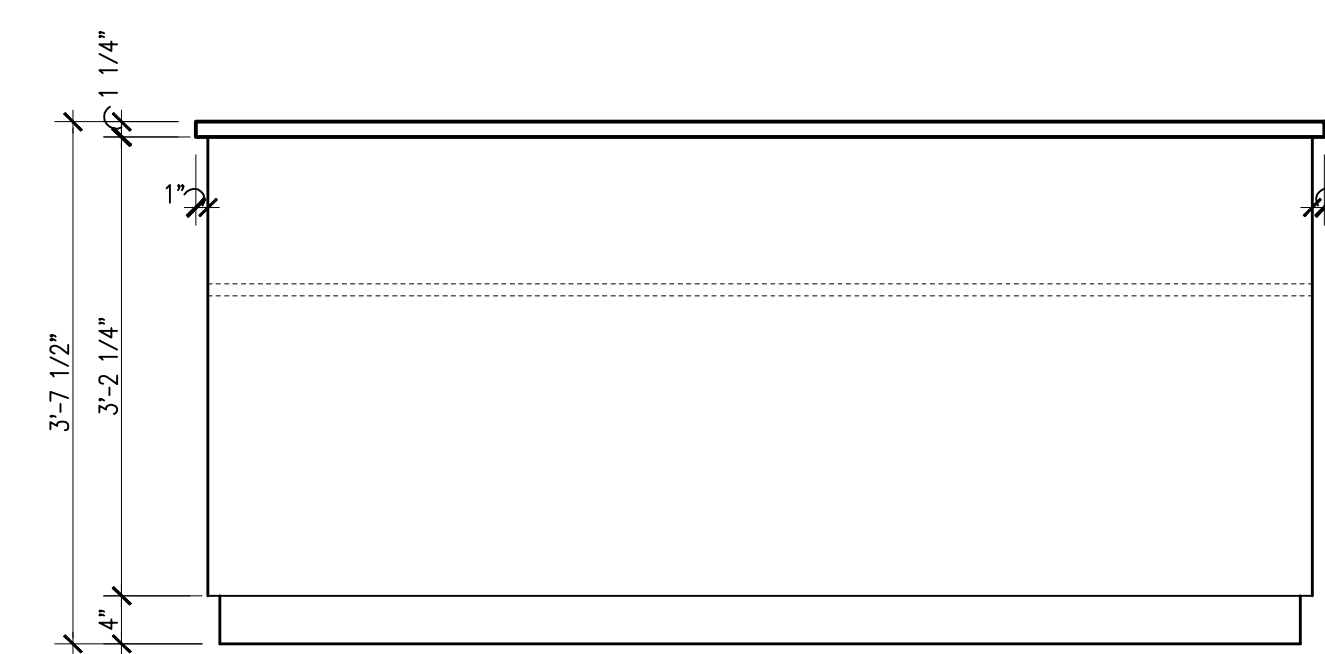


1 WALL SECTION
 A1.1A SCALE: 1 1/2" = 1'-0"

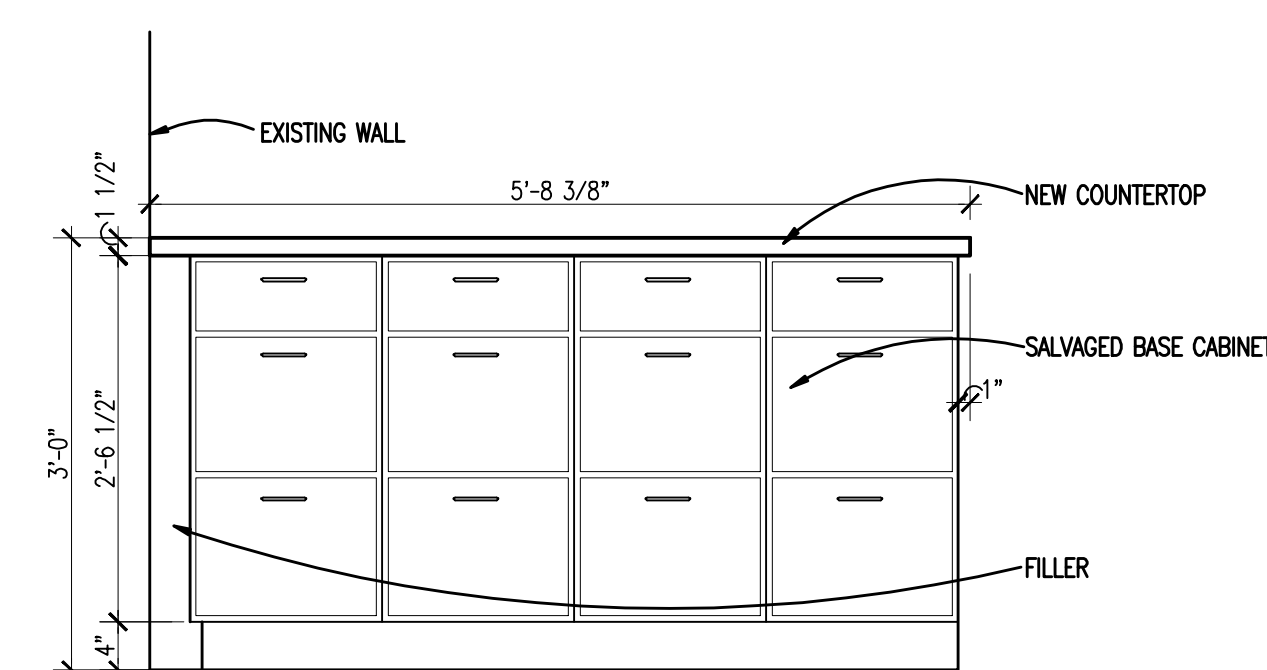


6 TRANSACTION COUNTER ELEVATION
 A5.1 SCALE: 1 1/2" = 1'-0"

5 TRANSACTION COUNTER DETAIL - A155
 A5.1 SCALE: 1 1/2" = 1'-0"



3 CASEWORK ELEVATION
 A5.1 SCALE: 3/4" = 1'-0"



2 CASEWORK ELEVATION
 A5.1 SCALE: 3/4" = 1'-0"

ELECTRICAL SYMBOL LIST

(NOTE: SOME SYMBOLS AND ABBREVIATIONS SHOWN MAY NOT APPLY TO THIS PROJECT)

Table with columns: SYMBOL, DESCRIPTION, SYMBOL, DESCRIPTION, SYMBOL, DESCRIPTION, SYMBOL, DESCRIPTION. Lists various electrical symbols such as fixtures, switches, receptacles, and control panels with their corresponding symbols and abbreviations.

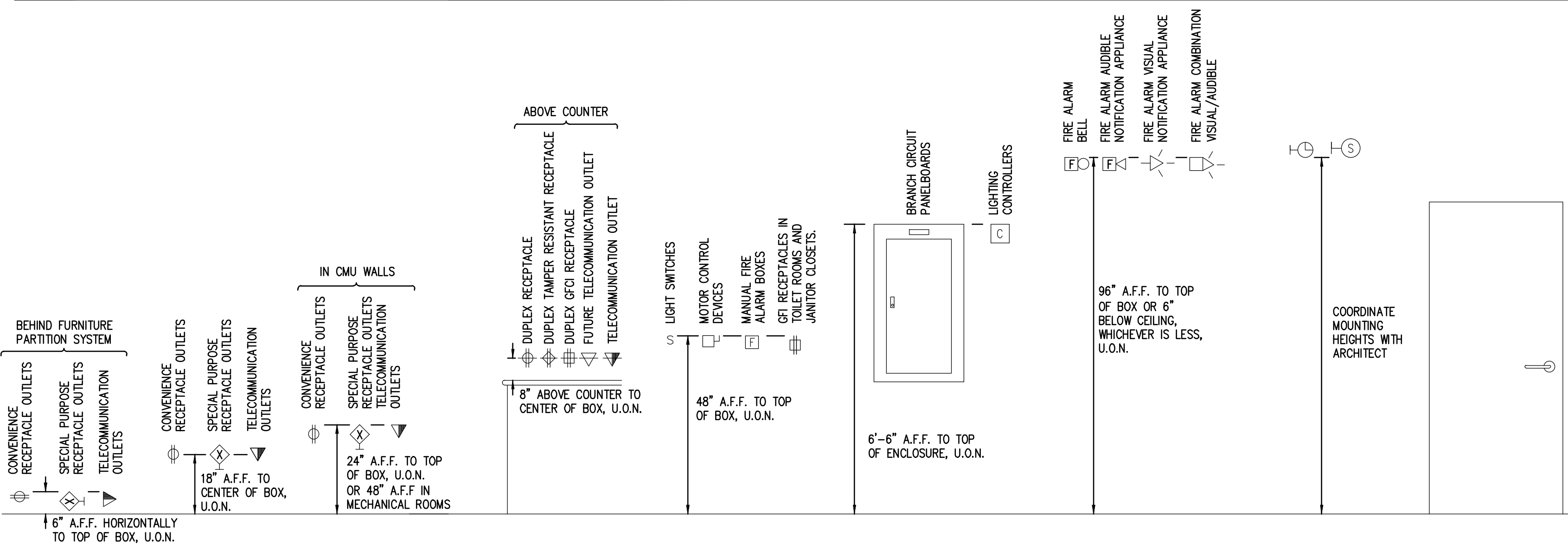
ELECTRICAL DRAWING INDEX

Table with columns: SHEET NO., SHEET TITLE. Lists sheets E0.1 through E4.1 and their corresponding titles like 'ELECTRICAL STANDARDS AND DRAWING INDEX' and 'PARTIAL ELECTRICAL PLANS'.

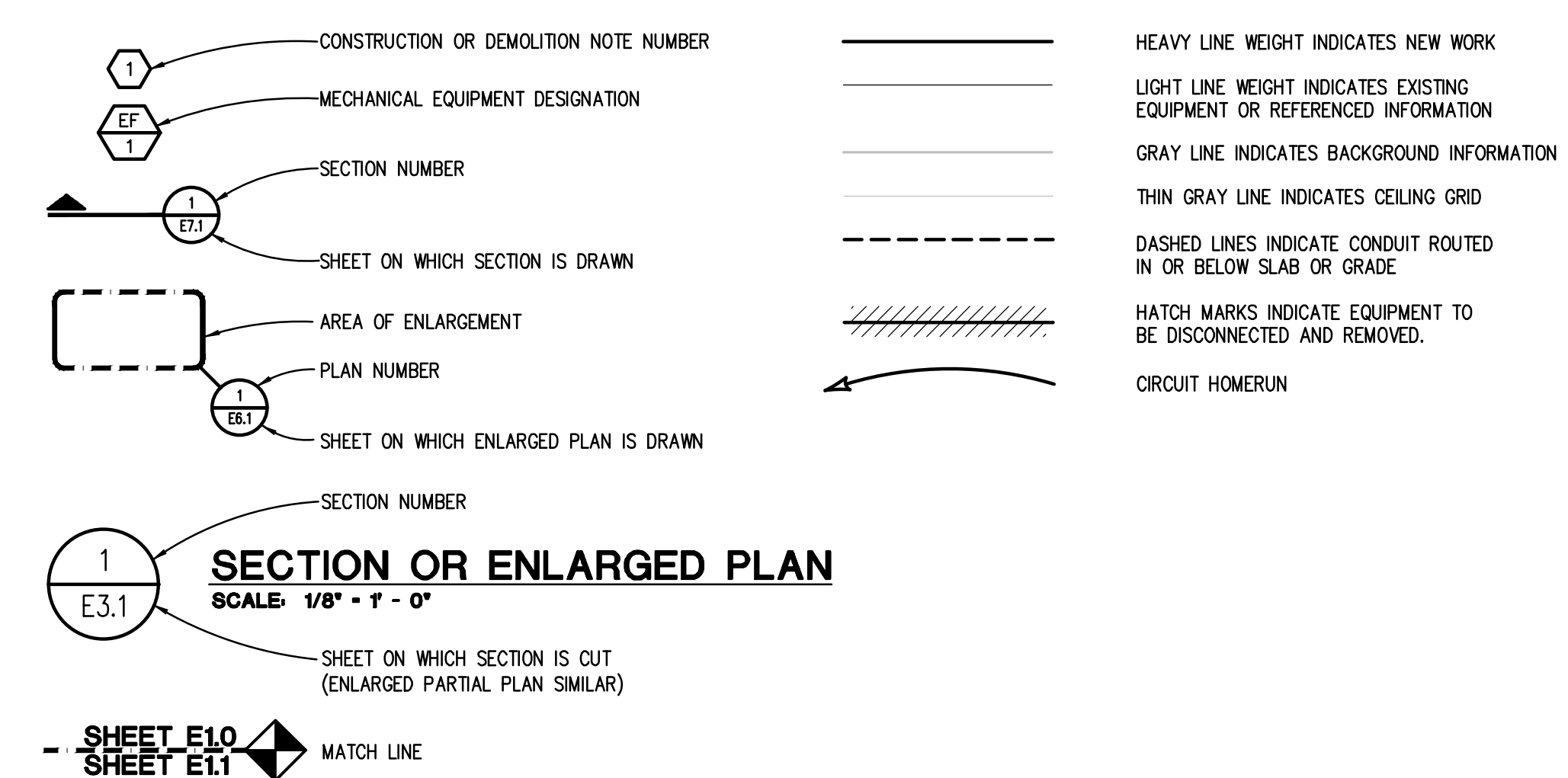
ELECTRICAL ABBREVIATION LIST

Table with columns: ABBREVIATION, DESCRIPTION, ABBREVIATION, DESCRIPTION, ABBREVIATION, DESCRIPTION. Lists abbreviations such as A (AMPERES), GFCI (GROUND FAULT CIRCUIT INTERRUPTER), and others with their full descriptions.

STANDARD MOUNTING HEIGHTS



STANDARD METHODS OF NOTATION



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PROJECT TITLE

Allen Elementary
Remodel

Southgate Community Schools
Southgate, Michigan

DRAWING TITLE

ELECTRICAL STANDARDS
AND DRAWING INDEX

ISSUE DATES

DATE: ISSUED FOR:

DRAWN: SC

CHECKED: GJZ

APPROVED: GJZ

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16009

DRAWING NO.

E0.1

FEEDER AND BRANCH CIRCUIT SIZING SCHEDULE - GENERAL PURPOSE						
OVERCURRENT DEVICE RATING (AMPERES)	WIRE SIZE (AWG OR KCMIL)		COPPER CONDUCTORS			
	PHASE & NEUTRAL	GROUND	CONDUIT SIZE			
			SINGLE PHASE 2 WIRE+G (2PH, 1N, 1G)	SINGLE PHASE 3 WIRE+G (2PH, 1N, 1G)	THREE PHASE 3 WIRE+G (3PH, 1G)	THREE PHASE & NEUTRAL 4 WIRE+G (3PH, 1N, 1G)
15-20	12	12	3/4"	3/4"	3/4"	3/4"
25-30	10	10	3/4"	3/4"	3/4"	3/4"
35-40	8	10	3/4"	3/4"	3/4"	3/4"
45-50	8 (6)	10	3/4"	3/4"	3/4"	3/4"
60	6 (4)	10	3/4" (1")	3/4" (1")	3/4" (1")	3/4" (1")
70	4	8	1"	1 1/4"	1 1/4"	1 1/4"
80	4 (3)	8	1"	1 1/4"	1 1/4"	1 1/4"
90-100	3 (2)	8	1 1/4"	1 1/4"	1 1/4"	1 1/4"
110	2 (1)	6	-	1 1/4"	1 1/4"	1 1/4" (1 1/2")
125	1 (1/0)	6	-	1 1/4" (1 1/2")	1 1/4" (1 1/2")	1 1/2"
150	1/0	6	-	1 1/2"	1 1/2"	1 1/2"
175	2/0	6	-	2"	2"	2"
200	3/0	6	-	2"	2"	2 1/2"
225	4/0	4	-	2"	2"	2 1/2"
250	250	4	-	2 1/2"	2 1/2"	2 1/2"
300	350	4	-	2 1/2"	2 1/2"	3"
350	500	3	-	3"	3"	3"
400	500	3	-	3"	3"	3"
450	2-4/0	2-2	-	2-2"	2-2"	2-2 1/2"
500	2-250	2-2	-	2-2 1/2"	2-2 1/2"	2-2 1/2"
600	2-350	2-1	-	2-2 1/2"	2-2 1/2"	2-3"
700	2-500	2-1/0	-	2-3"	2-3"	2-3"
800	2-500	2-1/0	-	2-3"	2-3"	2-3 1/2"
1000	3-400	3-2/0	-	3-3"	3-3"	3-3"
1200	3-600	3-3/0	-	3-3 1/2"	3-3 1/2"	3-3 1/2"
1600	4-600	4-4/0	-	4-3 1/2"	4-3 1/2"	4-3 1/2"
2000	5-600	5-250	-	5-3 1/2"	5-3 1/2"	5-3 1/2"

- * = SEE NOTE 4
- NOTES:
- CONTRACTOR TO SIZE FEEDERS AND BRANCH CIRCUITS BASED ON THIS SCHEDULE AND OVER CURRENT DEVICE SIZE, UNLESS NOTED OTHERWISE.
 - CONTRACTOR MAY COMBINE 20A CIRCUITS AS NOTED IN SPECIFICATION.
 - CONDUCTORS ARE BASED ON THHN/THWN UP TO AND INCLUDING #4/0. LARGER THAN #4/0 ARE BASED ON TYPE XHHW.
 - CONDUCTORS ARE BASED ON 90°C, 600V, INSULATED COPPER WIRE APPLIED AT 75°C FOR TERMINATION RATED 60/75°C OR 75°C FOR TERMINATION RATED AT 60°C, USE CONDUCTORS AND CONDUIT SIZES INDICATED IN PARENTHESES.
 - CONDUIT SIZES ARE VALID FOR EMT OR RGS. CONDUIT SIZES SHALL BE ADJUSTED AS REQUIRED FOR OTHER TYPES OF CONDUIT.
 - ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE REQUIRED WIRE SIZES TO ACCOMMODATE MECHANICAL EQUIPMENT LUG SIZES.
 - SIZE OF DISCONNECT SWITCH LOCATED AT EQUIPMENT SHALL BE SIZED BASED UPON OVERCURRENT PROTECTION OF THAT DEVICE.
 - PRIOR APPROVAL FROM ENGINEER SHALL OCCUR IF A DIFFERENT SIZE/NUMBER OF CONDUCTORS IS TO BE USED. AMPACITY SHALL BE EQUAL OR GREATER.

RACEWAY APPLICATION SCHEDULE																			
RACEWAY	AC/MC CABLE	ALUMINUM RIGID CONDUIT	ELECTRICAL METALLIC TUBING (EMT)	SURFACE RACEWAY	ELECTRICAL NONMETALLIC TUBING (ENT)	FLEXIBLE METAL CONDUIT (FMC)	GENERAL-USE OPTICAL FIBER/COMMUNICATIONS CABLE RACEWAY	INTERMEDIATE METAL CONDUIT (IMC)	LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LFMC)	LIQUIDTIGHT FLEXIBLE NONMETAL CONDUIT (LFNC)	PLENUM-TYPE OPTICAL FIBER/COMMUNICATIONS CABLE RACEWAY	RIGID STEEL CONDUIT	RISER-TYPE OPTICAL FIBER/COMMUNICATIONS CABLE	RIGID NONMETALLIC CONDUIT (RNO) TYPE EPC-40	RIGID NONMETALLIC CONDUIT (RNO) TYPE EPC-80	HIGH DENSITY POLYETHYLENE (HDPE) SCHEDULE 40	HIGH DENSITY POLYETHYLENE (HDPE) SCHEDULE 80	KEYED NOTES	
																			OUTDOOR
EXPOSED																			
CONCEALED (ABOVE GROUND)																			
UNDERGROUND																			
CONNECTED TO VIBRATING EQUIPMENT																			EQUIPMENT INCLUDING: TRANSFORMERS, HYDRAULIC PNEUMATIC, ELECTRIC SOLENOID, MOTOR DRIVEN EQUIPMENT
EXPOSED NOT SUBJECT TO PHYSICAL DAMAGE - UNFINISHED SPACES																			
EXPOSED NOT SUBJECT TO PHYSICAL DAMAGE - FINISHED SPACES																			
EXPOSED SUBJECT TO SEVERE PHYSICAL DAMAGE																			RIGID STEEL CONDUIT UP TO 10'-0" AFF. LOCATIONS INCLUDE: LOADING DOCKS, CORRIDORS USED FOR TRAFFIC OF MECHANIZED CARTS AND PALLET HANDLING UNITS, MECHANICAL ROOMS
CONCEALED IN CEILINGS, INTERIOR WALL AND PARTITIONS																			NOT TO EXCEED 6'-0" IN CEILING SPACE
CONNECTED TO VIBRATING EQUIPMENT																			EQUIPMENT INCLUDING: TRANSFORMERS, HYDRAULIC PNEUMATIC, ELECTRIC SOLENOID, MOTOR DRIVEN EQUIPMENT USE LFMC IN DAMP/WET LOCATIONS
DAMP AND WET LOCATIONS																			
BELOW SLAB IN GRADE																			PROVIDE RIGID STEEL ELBOWS WHERE CONDUIT PENETRATES SLAB. CONDUIT INSTALLED 6" BELOW BOTTOM OF SLAB
EMBEDDED IN CONCRETE ABOVE GRADE																			
OPTICAL FIBER OR COMMUNICATIONS CABLE IN SPACES USED FOR ENVIRONMENTAL AIR																			
CONCEALED GENERAL PURPOSE DISTRIBUTION OF OPTICAL FIBER OR COMMUNICATION CABLE																			
MRI																			
NATATORIUMS/FOUNTAINS																			USE COMPRESSION FITTINGS. PAINTED WITH CORROSION RESISTANT PAINT BY PAINTING CONTRACTOR.

- GENERAL NOTES
- "X" INDICATES ACCEPTABLE SELECTION.
 - REFER TO "CONDUCTORS AND CABLES" SPECIFICATION FOR APPLICATION LIMITATIONS OF AC/MC CABLE.

BRANCH CIRCUIT VOLTAGE DROP WIRING SCHEDULE FOR SINGLE PHASE CIRCUITS						
BRANCH CRT RATING (A)	WIRE SIZE (AWG)	MAXIMUM BRANCH CIRCUIT LENGTH (IN FEET)				
		120V	208V	240V	277V	480V
20A	12	83	143	165	191	331
	10	128	222	236	295	511
	8	201	348	402	464	804
	6	313	542	625	721	1250
30A	10	85	148	170	197	341
	8	134	232	268	309	536
	6	208	361	417	481	833
	4	313	542	625	721	1250

- NOTES:
- THE ABOVE TABLE VALUES ARE BASED ON COPPER CONDUCTORS, IN STEEL CONDUIT, WITH A LOAD POWER FACTOR OF 0.85 PER NEC CHAPTER 9, TABLE 9.
 - PROVIDE BRANCH CIRCUIT CONDUCTORS AS INDICATED IN THE TABLE ABOVE FOR ALL LIGHTING AND RECEPTACLE BRANCH CIRCUITS. WHERE BRANCH CIRCUITS SERVE DEDICATED EQUIPMENT, THE CONTRACTOR MAY PERFORM VOLTAGE DROP CALCULATIONS BASED ON ACTUAL EQUIPMENT CONNECTED LOAD AND PROVIDE CONDUCTORS APPROPRIATELY SIZED TO LIMIT VOLTAGE DROP TO A MAXIMUM OF 3%.
 - CONDUCTOR SIZES ARE BASED ON MAXIMUM OF 9 CURRENT CARRYING CONDUCTORS IN A SINGLE CONDUIT.
 - LIMITS FOR CONDUCTOR LENGTHS SHOWN ARE BASED ON A MAXIMUM BRANCH CIRCUIT LOADING OF 64% OF THE BRANCH BREAKER RATING AND A MAXIMUM OF 3 PERCENT VOLTAGE DROP TO COMPLY WITH ASHRAE/IES 90.1 - 1999 AND THE NEC. FOR CIRCUITS LOADED GREATER THAN 64% OF BRANCH BREAKER RATING, THE CONTRACTOR SHALL PROVIDE CONDUCTORS APPROPRIATELY SIZED TO LIMIT VOLTAGE DROP TO 3%.

NOTE: SOME SYMBOLS AND ABBREVIATIONS SHOWN MAY NOT APPLY TO THIS PROJECT.



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PROJECT TITLE
Allen Elementary Remodel

Southgate Community Schools
Southgate, Michigan

DRAWING TITLE
ELECTRICAL STANDARD SCHEDULES

ISSUE DATES

04-04-16 BP No. 2-BIDS

DATE: ISSUED FOR:

DRAWN SC _____

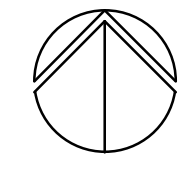
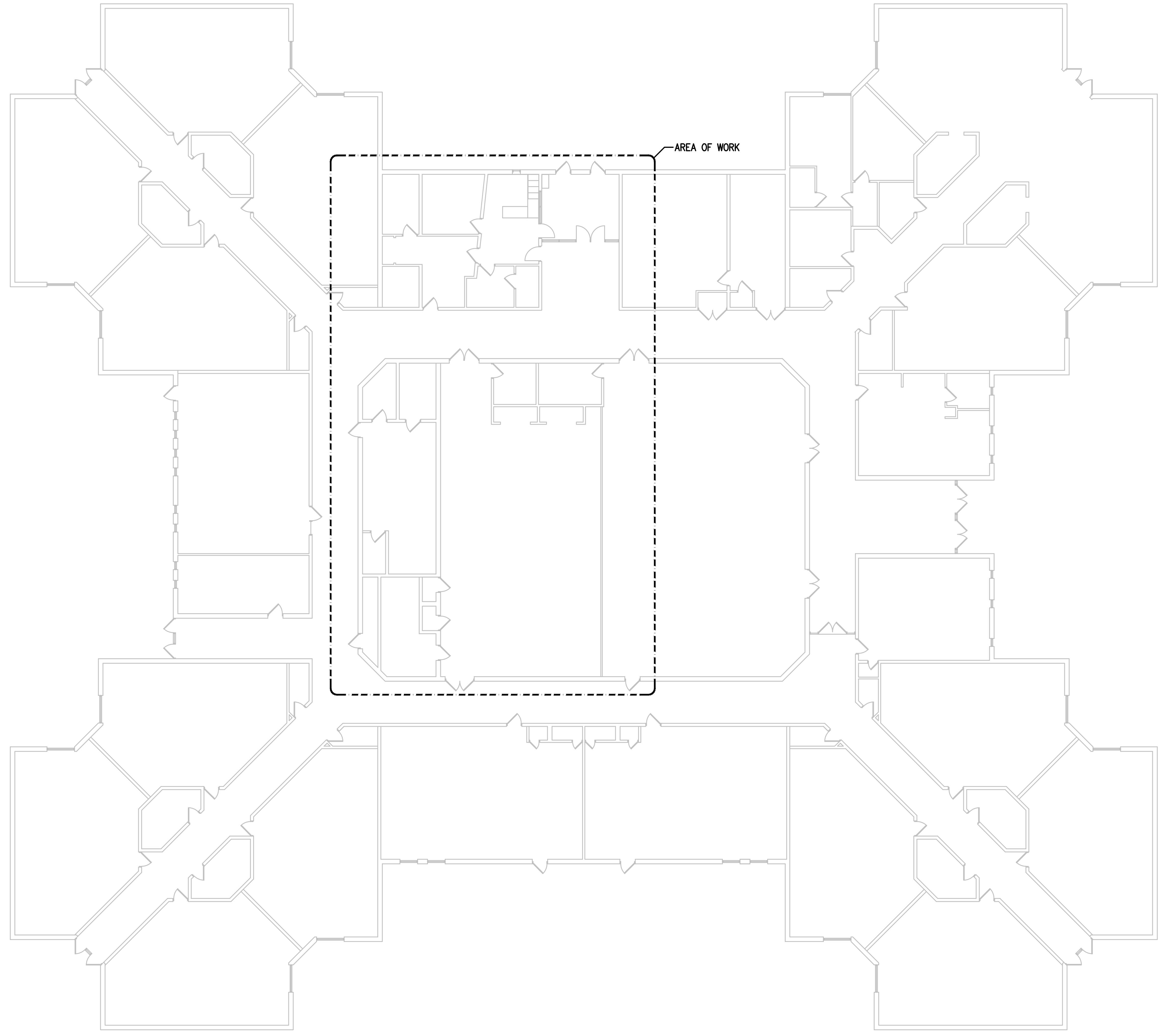
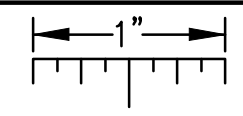
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PROJECT NO.
16009

DRAWING NO.
E0.2

THE FOLLOWING DIMENSION EQUALS
ONE INCH WHEN PRINTED TO SCALE.



ELECTRICAL COMPOSITE PLAN
SCALE: 3/32" = 1' - 0"



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PROJECT TITLE
**Allen Elementary
Remodel**

Southgate Community Schools
Southgate, Michigan

DRAWING TITLE
**ELECTRICAL COMPOSITE
PLAN**

ISSUE DATES

04-04-16 BP No. 2-BIDS

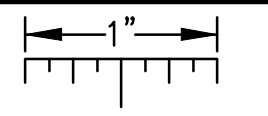
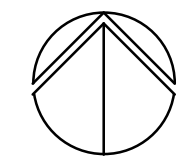
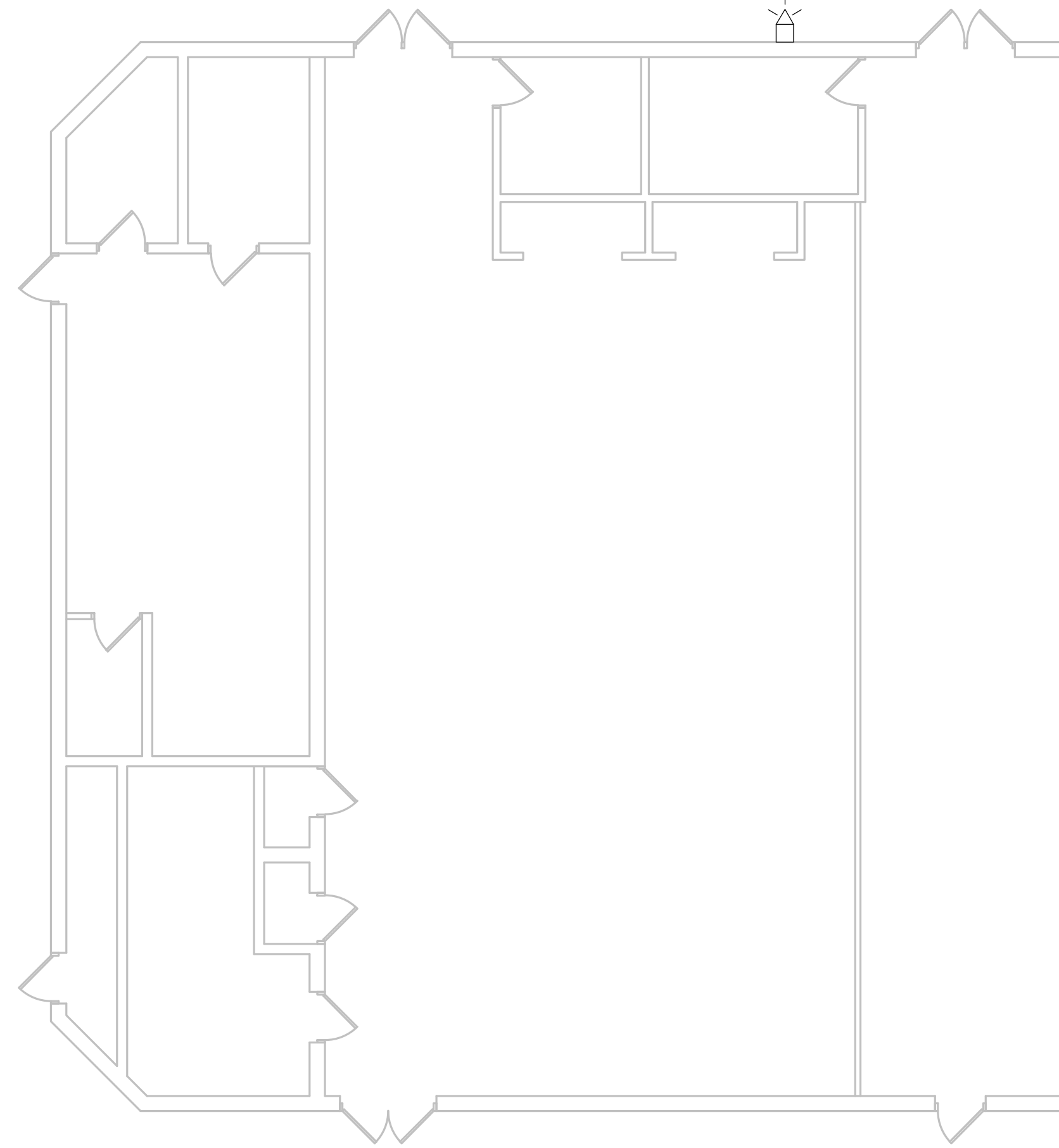
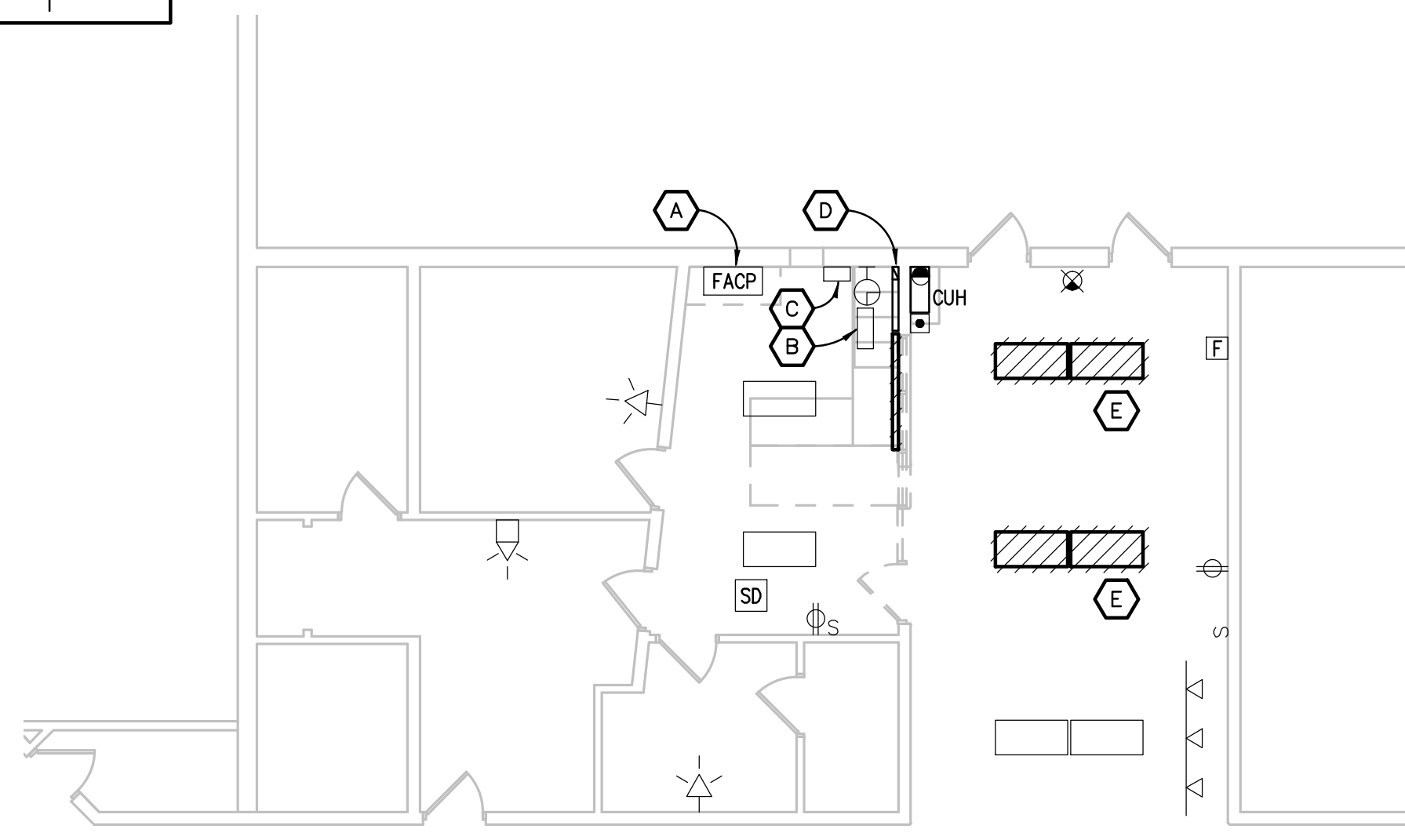
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APPROVED GJZ	

PROJECT NO.
16009

DRAWING NO.
E0.3

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THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.

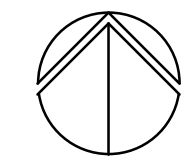
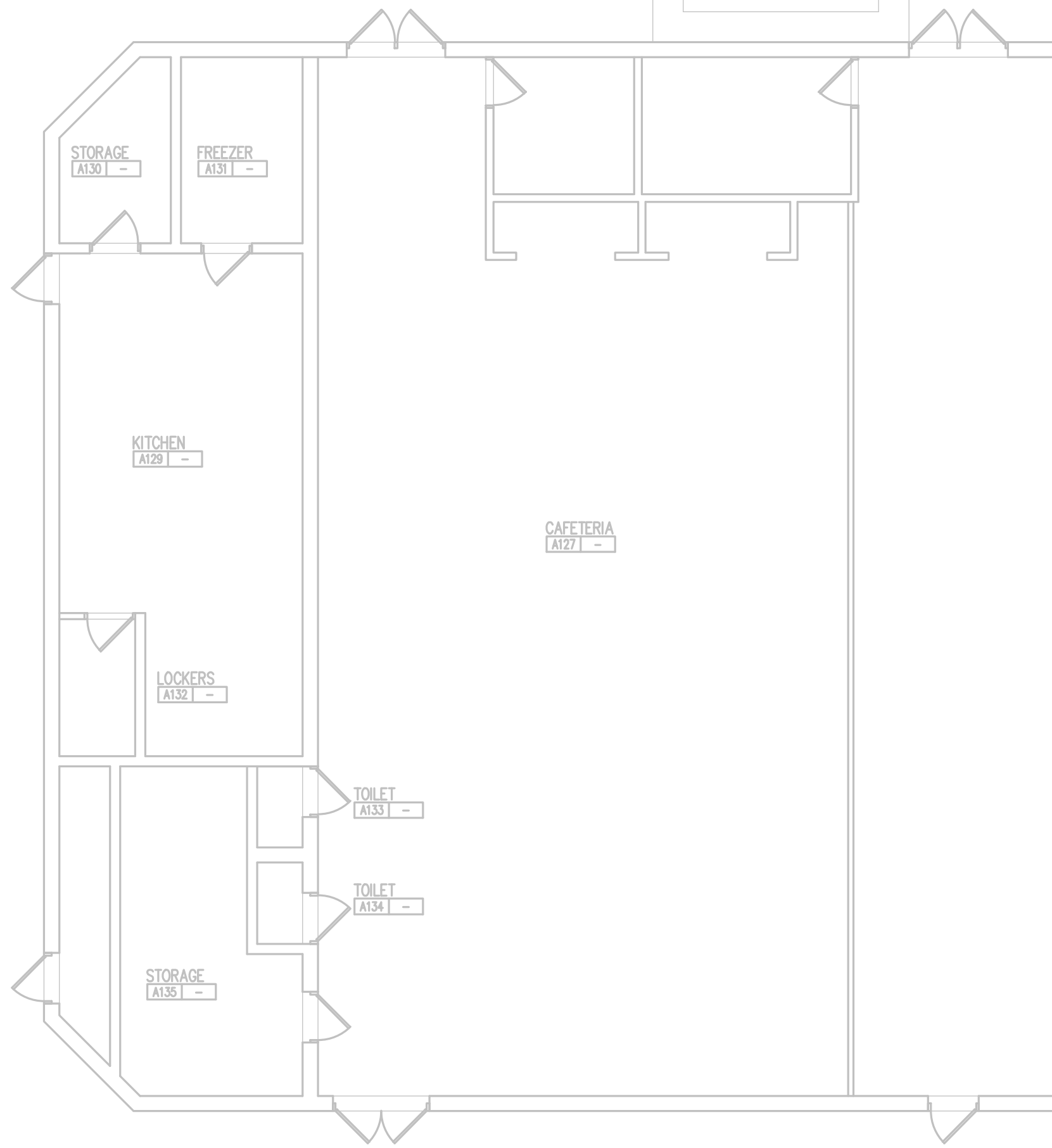
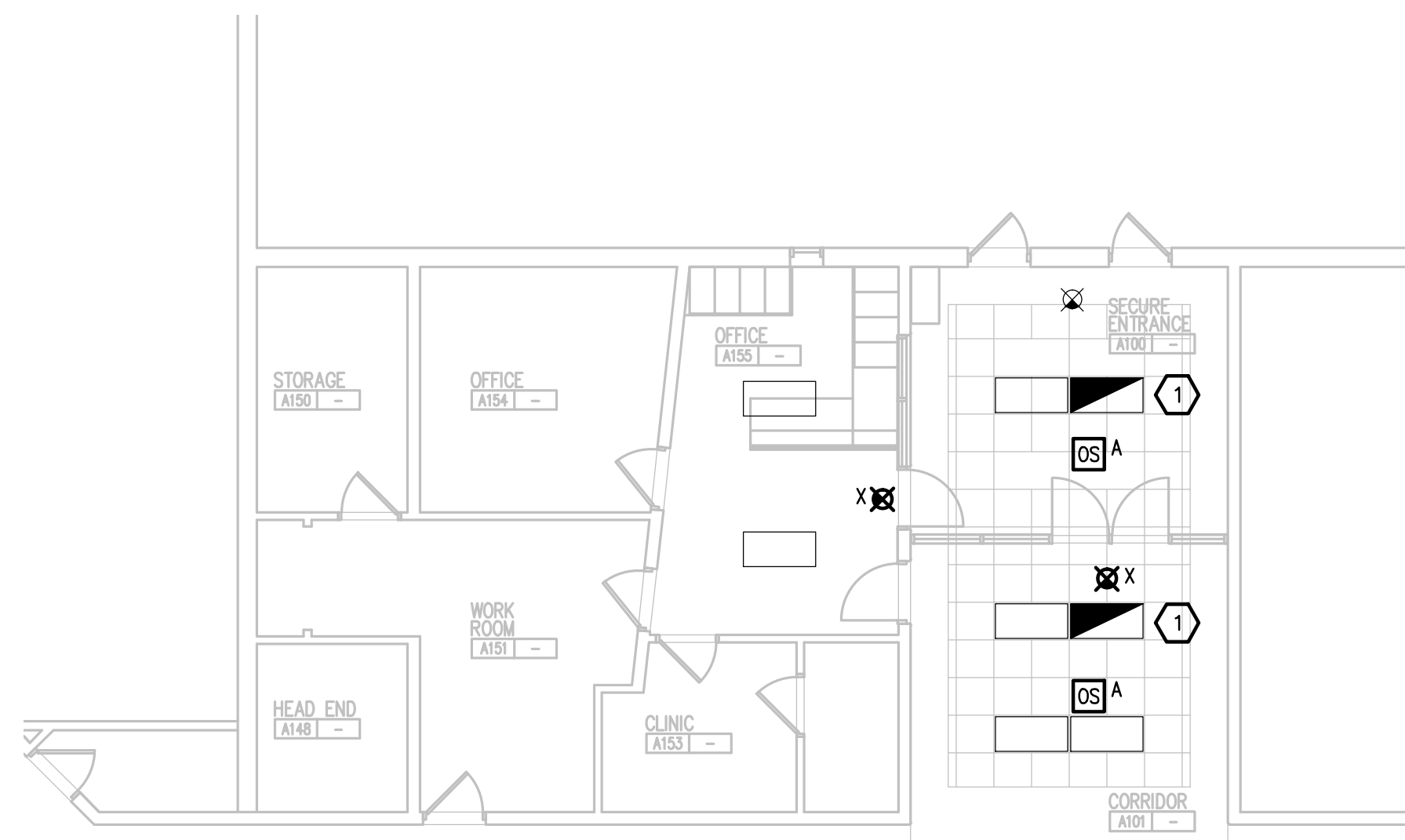
PARTIAL ELECTRICAL DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. VISIT THE SITE PRIOR TO SUBMISSION OF BID TO EXAMINE THE EXISTING CONDITIONS AND THE EXTENT OF DEMOLITION WORK.
2. EXAMINE THE DRAWINGS OF OTHER TRADES AND BE FAMILIAR WITH THE DEMOLITION REQUIRED BY OTHER TRADES. PERFORM ALL INCIDENTAL ELECTRICAL DEMOLITION AND/OR RELOCATION REQUIRED TO FACILITATE THE DEMOLITION WORK OF OTHER TRADES, WHETHER OR NOT SPECIFICALLY INDICATED.
3. REMOVE LIGHTING FIXTURES AND ELECTRICAL DEVICES AS INDICATED ON PLAN WITH CROSS HATCHING. DEMOLITION SHALL INCLUDE, BUT NOT BE LIMITED TO, THOSE DEVICES SHOWN.
4. COORDINATE WITH NEW WORK PLANS, ONE LINE DIAGRAMS AND RISER DIAGRAMS FOR EXTENT OF DEMOLITION WORK.
5. PROVIDE PROPER SUPPORT FOR EXISTING TO REMAIN CONDUITS AND BOXES WHERE EXISTING SUPPORT IS TO BE REMOVED. RE-ROUTE BRANCH CIRCUIT CONDUITS AND RELOCATE JUNCTION BOXES AS REQUIRED TO FACILITATE INSTALLATION OF NEW EQUIPMENT AND SYSTEMS IN CEILING SPACES.
6. REMOVE ALL CONDUIT AND WIRE BACK TO THE SOURCE OR NEAREST UPSTREAM DEVICE REMAINING IN SERVICE.
7. MAINTAIN ELECTRICAL SERVICE TO ALL LIGHTING FIXTURES, DEVICES AND EQUIPMENT THAT ARE TO REMAIN. EXTEND CONDUIT AND WIRE AS REQUIRED WHERE DEMOLITION WORK AFFECTS ELECTRICAL SERVICE TO DOWNSTREAM LOADS THAT ARE TO REMAIN.
8. DISPOSE OF ALL MATERIALS OFF SITE AND INCLUDE ALL COSTS FOR DISPOSAL IN BID. ALL MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, INCLUDING TOLP TESTING, PROPER DISPOSAL AND/OR RECYCLING OF FLUORESCENT LAMPS.
9. PROVIDE BLANK COVER PLATES WHERE SWITCHES AND DEVICES ARE REMOVED BUT EXISTING WALLS REMAIN INTACT.
10. RING OUT AND TAG ALL CIRCUITS AFFECTED BY THIS ALTERATION AT BOTH ENDS. MARK ALL UNUSED CIRCUIT BREAKERS "SPARE".
11. PROVIDE UPDATED TYPED-IN DIRECTORIES FOR ALL PANELS AFFECTED BY THIS ALTERATION.
12. VERIFY ALL UNDERGROUND AND IN SLAB UTILITY LOCATIONS PRIOR TO SAW-CUTTING OR PENETRATING ANY FLOOR SLAB.
13. COORDINATE ANY SHUT DOWN OF EXISTING SERVICES AND EQUIPMENT THAT ARE REMAINING IN USE WITH THE OWNER'S REPRESENTATIVE. WHERE EXISTING BUILDING SERVICE IS REQUIRED TO BE SHUT DOWN, INCLUDE ALL ASSOCIATED OVERTIME COSTS TO PERFORM THIS WORK DURING WEEKENDS AND EVENINGS INCLUDE ALL COSTS FOR PROVIDING TEMPORARY POWER WHERE SHUT DOWNS MUST OCCUR FOR PERIODS LONGER THAN THESE HOURS. COORDINATE ELECTRICAL SHUT DOWNS WITH THE OWNER 72 HOURS PRIOR TO SHUT DOWN.

DEMOLITION NOTES:

- A. FIRE ALARM CONTROL PANEL, NOTIFIER AFP 300.
- B. RELOCATE WEATHER/FIRE/BELL TOGGLE SWITCHES.
- C. DUKANE P.A. CONSOLE.
- D. PARTIAL WIREMOLD V4000 SHALL REMAIN. MODIFY AS INDICATED. CIRCUITING SHALL REMAIN.
- E. RELOCATE LIGHT FIXTURES.



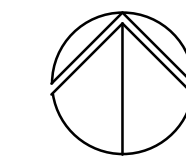
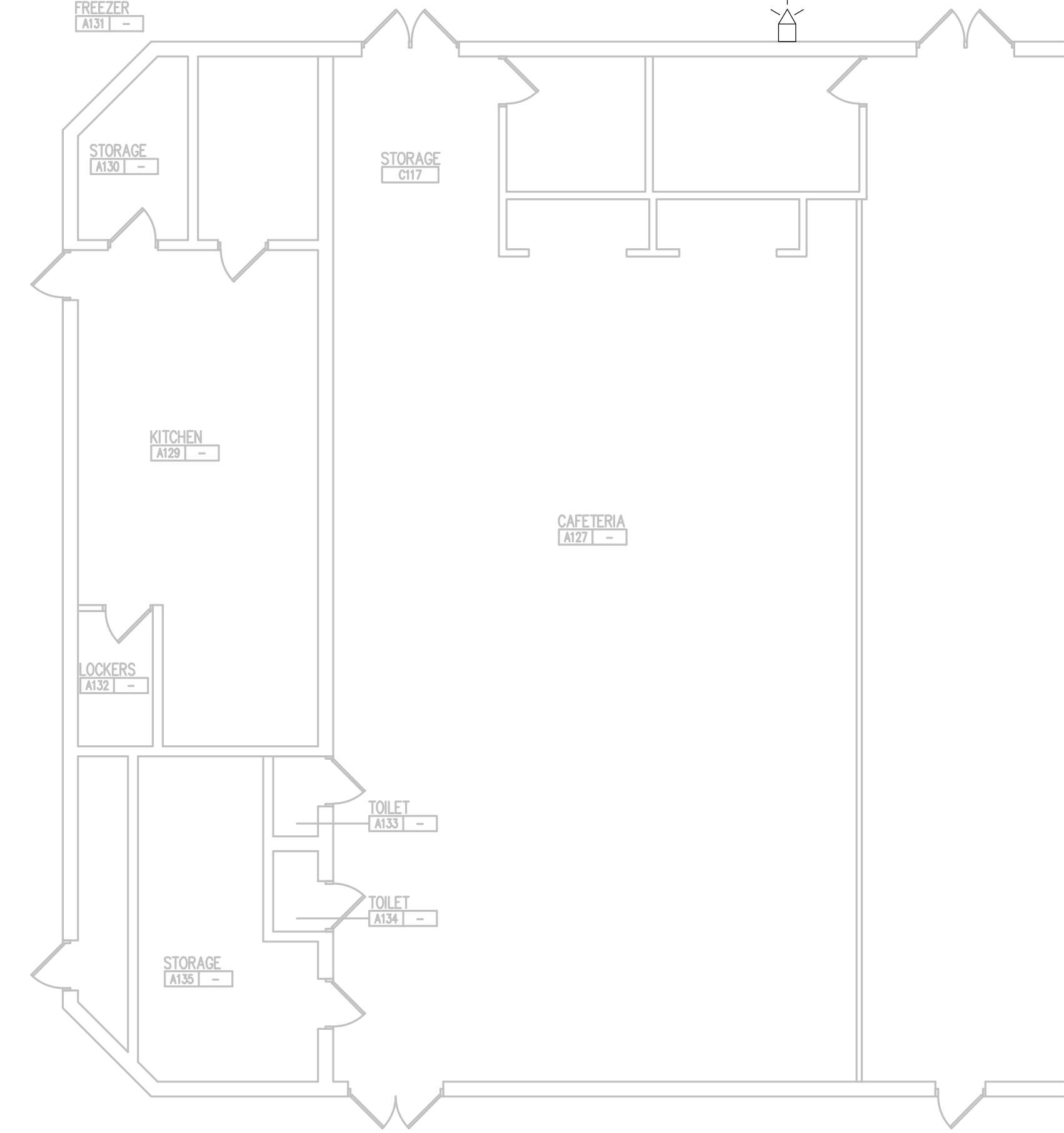
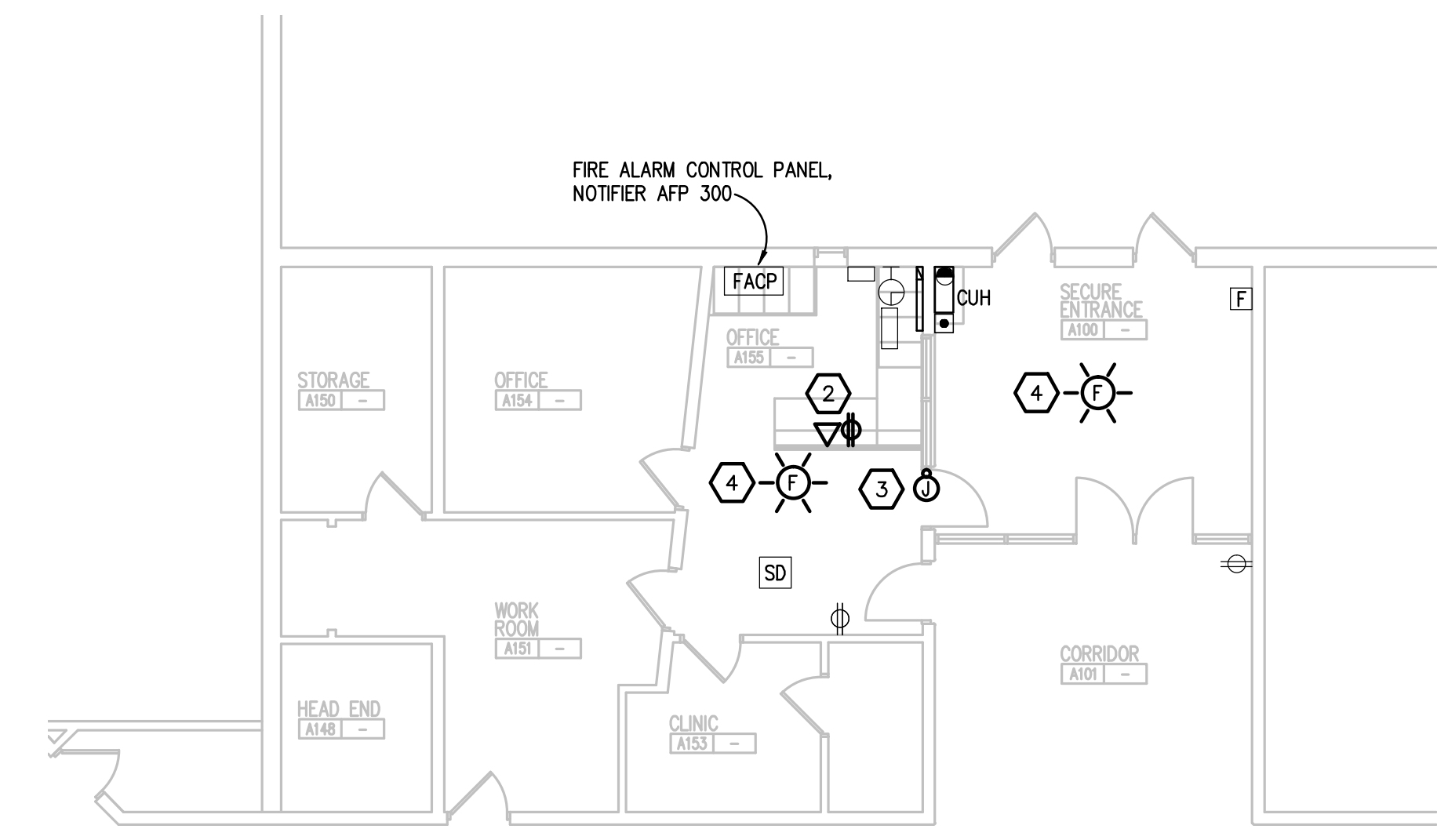
PARTIAL LIGHTING NEW WORK PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. THESE DRAWINGS REPRESENT THE GENERAL EXTENT AND ARRANGEMENT OF SYSTEMS, BUT ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS. COORDINATE WITH OTHER TRADES, AND PROVIDE EACH SYSTEM COMPLETE, INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.
2. INSTALL SYSTEMS SUCH THAT REQUIRED CLEARANCE AND SERVICE ACCESS SPACE IS PROVIDED AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT, AND AROUND ANY COMPONENTS WHICH REQUIRE SERVICE ACCESS.
3. COORDINATE AND PROVIDE ACCESS DOORS WITHIN INACCESSIBLE CEILING, SHAFT, AND CHASE AREAS FOR ALL COMPONENTS WHICH REQUIRE SERVICE ACCESS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
4. PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR THE PROPER SUPPORT OF ALL SYSTEMS.
5. COORDINATE THE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND THE TRADES INSTALLING THE WORK.
6. REFER TO MECHANICAL SCHEDULE SHEETS FOR ELECTRICAL REQUIREMENTS FOR MECHANICAL EQUIPMENT. PROVIDE ALL CONNECTIONS, STARTERS, DISCONNECTS, ETC. AS REQUIRED BY SCHEDULES AND WHERE NOTED ELSEWHERE. VERIFY REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH SHOP DRAWINGS SUBMITTALS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN EQUIPMENT SUBMITTALS AND ELECTRICAL DRAWINGS. WHERE CIRCUIT SIZES ARE SHOWN ON THE ELECTRICAL DRAWINGS THAT DIFFER FROM WHAT IS INDICATED ON THE MECHANICAL SCHEDULES, PROVIDE THE CIRCUIT OF HIGHER AMPACITY.
7. PROVIDE THE DESIGN AND INSTALLATION FOR A COMPLETE AND FUNCTIONAL FIRE ALARM SYSTEM IN ACCORDANCE WITH SPECIFICATIONS, DRAWINGS, AND ALL APPLICABLE CODES. THE FIRE ALARM VENDOR SHALL PROVIDE LAYOUT DRAWINGS INDICATING THE REQUIRED QUANTITIES AND LOCATIONS OF MANUAL PULL STATIONS, NOTIFICATION APPLIANCES, SMOKE AND HEAT DETECTORS, CONTROL MODULES, INTERFACE MODULES, MODULES FOR SPRINKLER FLOW AND TAMPER SWITCHES, ALL CONTROL PANELS, POWER SUPPLIES, ADDITIONAL DEVICES AND EQUIPMENT REQUIRED. COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL FINISHES AND REFLECTED CEILING PLANS, INCLUDING ADDITIONAL SMOKE AND HEAT DETECTORS REQUIRED FOR NON-SMOOTH CEILING APPLICATIONS. INCLUDE ALLOWANCES FOR ADJUSTMENT OF DEVICES BY THE ARCHITECT AT THE TIME OF SUBMITTAL TO COORDINATE WITH BUILDING FINISHES AND OTHER CEILING ELEMENTS.
8. CIRCUIT EXIT LIGHTS TO UNSWITCHED HOT LEG OF ADJACENT CIRCUIT SERVING AREA.

CONSTRUCTION KEY NOTES:

1. CIRCUIT LIGHTING TO MAINTAINED BRANCH CIRCUIT. MODIFY SWITCH LEG AS REQUIRED FOR EMERGENCY AND OCCUPANCY SENSOR. EXTEND CIRCUITING AS REQUIRED. PROVIDE GROUND WIRE PER NEC. PROVIDE EXISTING FIXTURE WITH NEW 1400 LUMEN EMERGENCY BATTERY UNIT. PROVIDE WITH VISIBLE TEST SWITCH, BODINE OR EQUAL.
2. EXTEND CIRCUIT AS REQUIRED FROM EXISTING WIREMOLD V4000.
3. PROVIDE 1/2" CONDUIT INTO DOOR FRAME FROM ACCESSIBLE CEILING FOR ELECTRIC DOOR STRIKE. COORDINATE WIRING REQUIREMENTS WITH DOOR HARDWARE CONTRACTOR. EXTEND EXISTING 120V CIRCUIT FROM ADA DOOR TO NEW JUNCTION BOX IN CEILING SPACE ABOVE DOOR. WIRING TO DOOR CONTROLS BY OTHERS.
4. PROVIDE SYNC MODULE SO THAT ALL NEW AND EXISTING FA NOTIFICATION DEVICES THAT ARE VISIBLE SYNC PER NFPA. COORDINATE WITH NOTIFIER FOR ALL REQUIRED PARTS AND PIECES.



PARTIAL POWER NEW WORK PLAN
SCALE: 1/8" = 1'-0"



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PBA Project No: 2016.0058

PROJECT TITLE

**Allen Elementary
Remodel**

Southgate Community Schools
Southgate, Michigan

DRAWING TITLE

**PARTIAL ELECTRICAL
PLANS**

ISSUE DATES

04-04-16 BP No. 2-BIDS

DATE: ISSUED FOR:

DRAWN SC

CHECKED GJZ

APPROVED GJZ

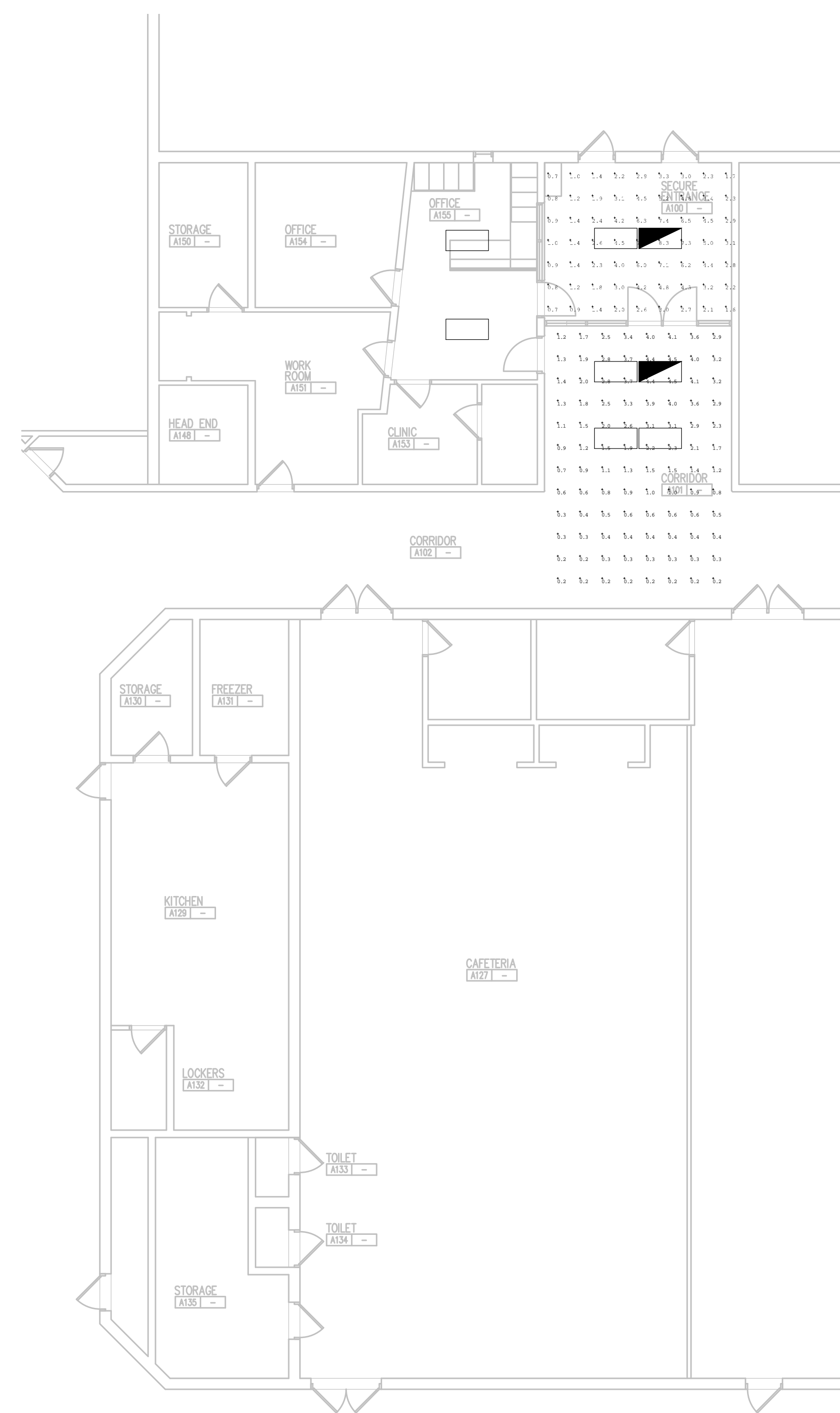
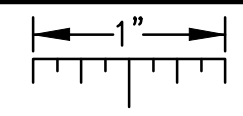
PROJECT NO.

16009

DRAWING NO.

E1.1

THE FOLLOWING DIMENSION EQUALS ONE INCH WHEN PRINTED TO SCALE.



Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Corridor A101_Floor	illuminance	Fc	1.65	4.5	0.2	8.25	22.50
Secure Entrance A100_Workplane	illuminance	Fc	3.17	8.3	0.7	4.53	11.86

EMERGENCY LIGHTING CALCULATIONS
SCALE: 1/8" = 1'-0"

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DRAWING TITLE
EMERGENCY LIGHTING CALCULATIONS

ISSUE DATES

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PROJECT NO.
16009
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E4.1

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