

# HARMONY SCHOOL OF EXPLORATION EXPANSION INTERIOR RENOVATIONS

## PHASE ONE

### HARMONY PUBLIC SCHOOLS

#### ISSUE FOR PERMIT

MARCH 17, 2026



### BOARD OF EDUCATION

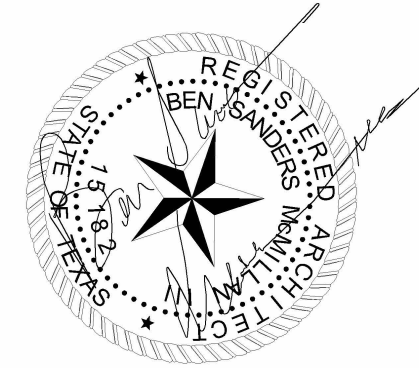
- FATIH AY, President/CEO
- ONER ULVI CELEPCIKAY, Board Chair
- HELEN SHERWOOD, 2nd Vice Chair
- HAKDURAN KOC, Secretary
- MEHMET ARGIN, Trustee
- LAURA GONZALEZ, Trustee
- KIMBERLY D. HOUSE, Trustee
- SIMON KOCH, Trustee



### PROJECT TEAM

- ARCHITECT..... IDG Architects + Partners, Inc
- MEP ENGINEER.....ACNS Engineering

16650 Greenbriar Plaza Drive  
HOUSTON, TX 77060  
PH: 832-448-2462  
FAX: 832-448-2466  
Project No: 4014-21

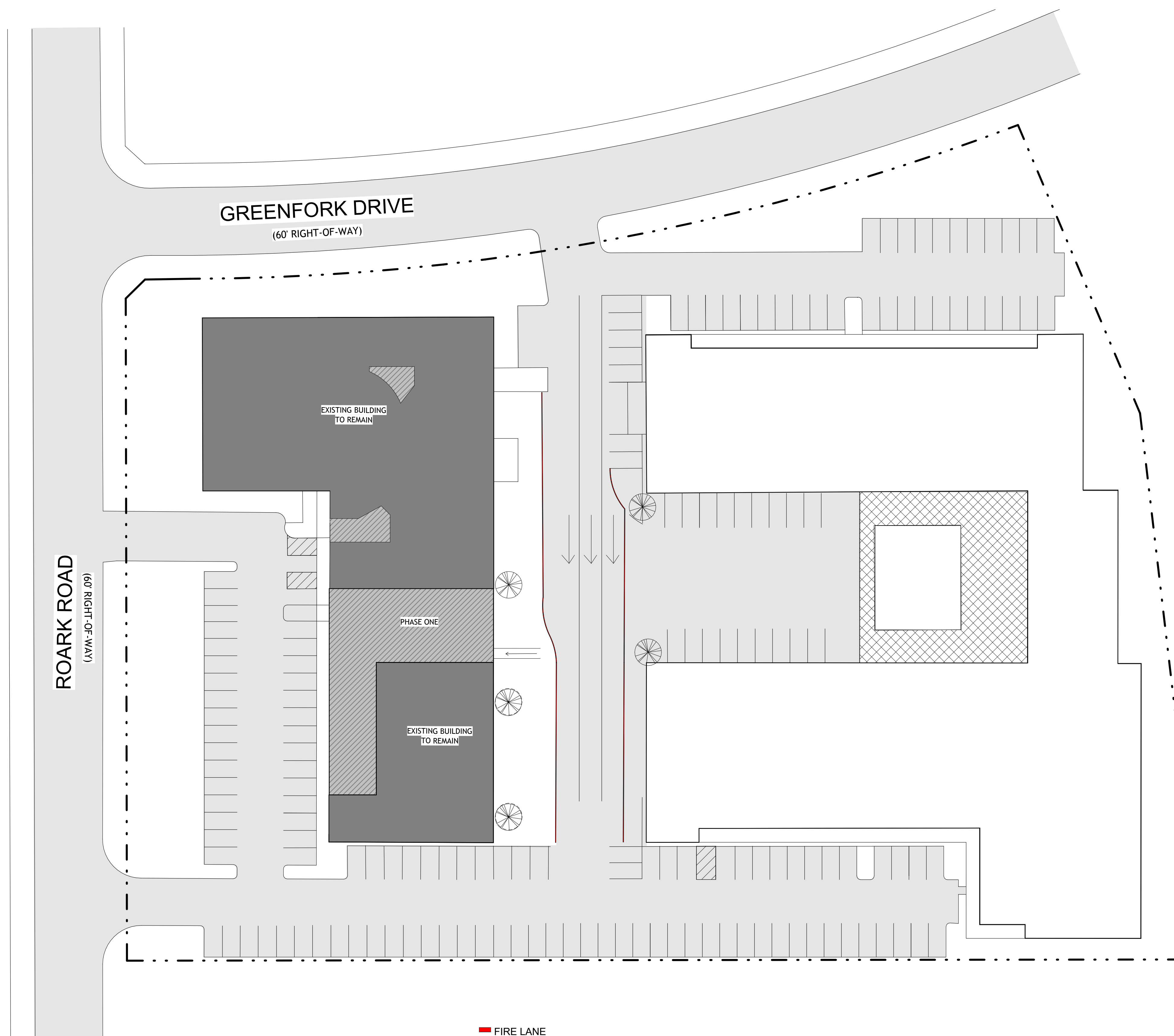


03/17/2026

CONSULTANTS:

**MEP ENGINEER:**  
ACNS ENGINEERING

ADDRESS: 4 BEAUREGARD BLVD.  
CHARLES TOWN, WV, 25414



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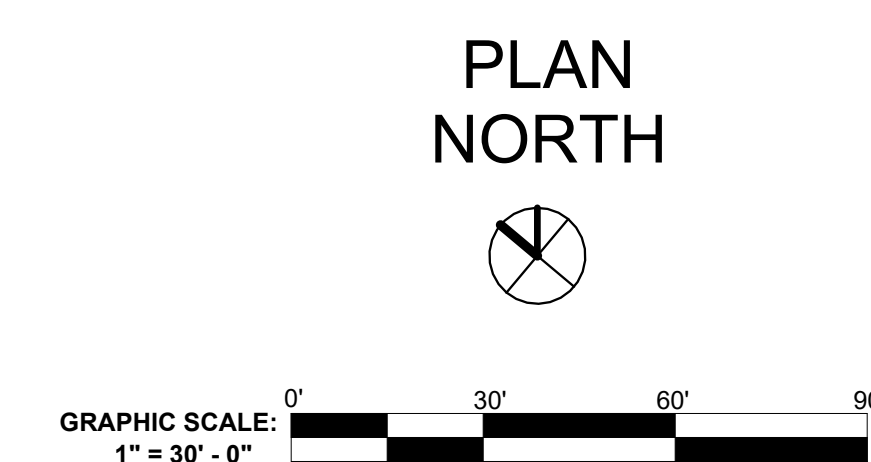
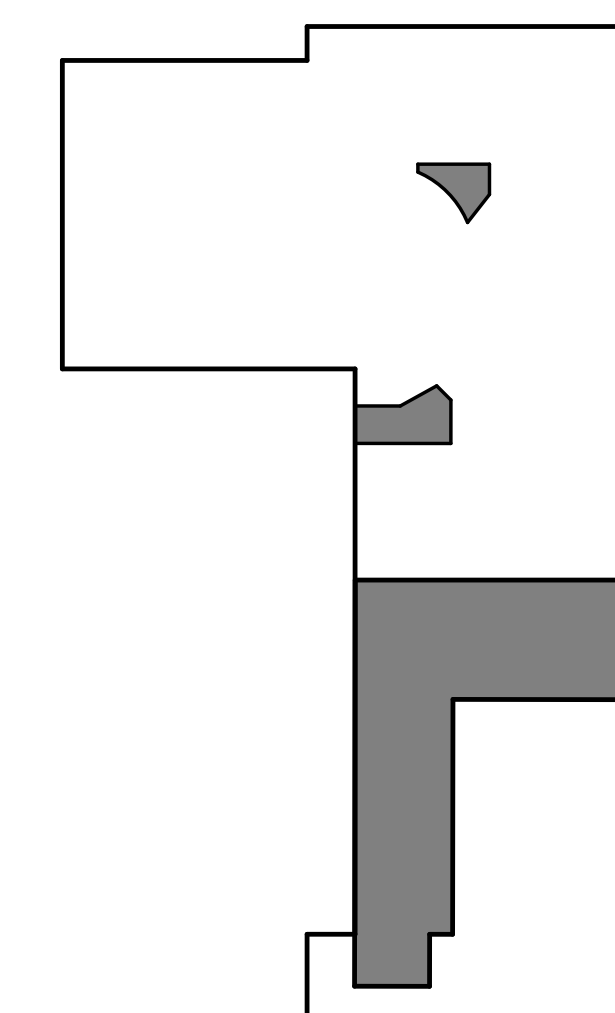
## HARMONY SCHOOL OF EXPLORATION EXPANSION INTERIOR RENOVATIONS PHASE ONE

9303 W Sam Houston Pkwy S,  
Houston, TX 77099

Drawing Date: 03/17/2026  
Drawn: DS, KS  
Checked: BM  
Scale: As indicated

### GENERAL NOTES

Revisions:	DESCRIPTION
ISSUE FOR PERMIT	03-17-2026



SITE PLAN  
1" = 30'-0"

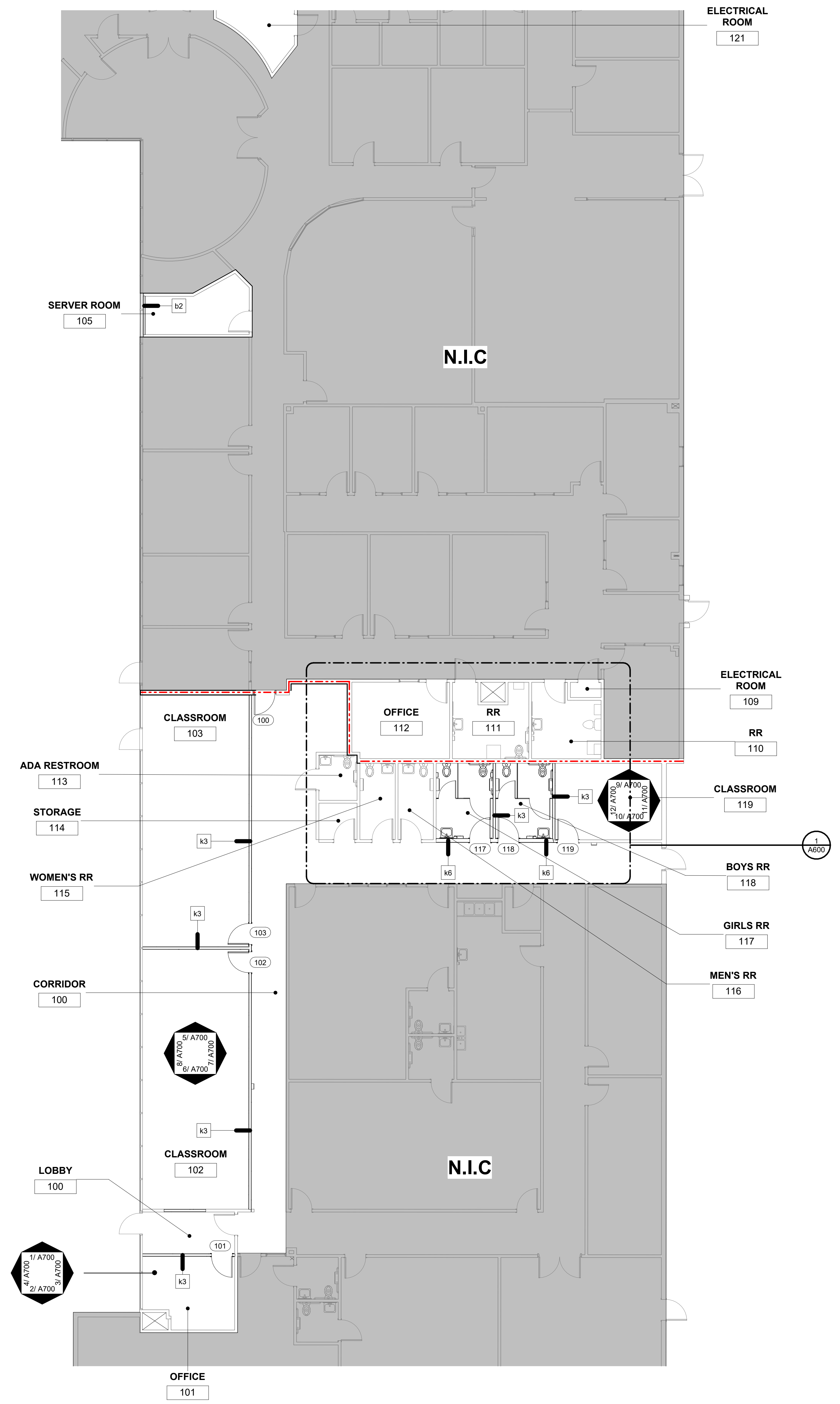
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AREA MAP

OVERALL SITE PLAN

**A100**



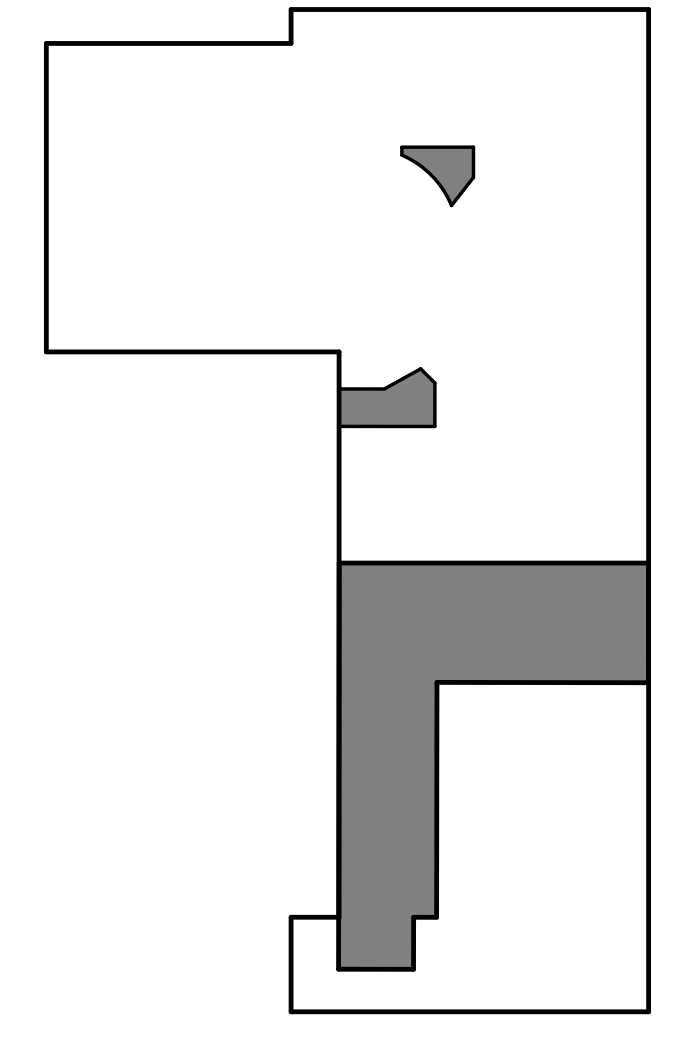


- NOT IN CONTRACT N.I.C.
- TWO HOUR FIRE-RATED PARTITION

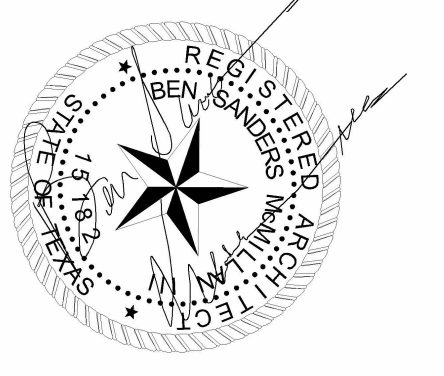
**LEGEND**

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**GENERAL NOTES**



GRAPHIC SCALE: 0' 8' 16' 24'  
1/8" = 1'-0"



CONSULTANTS:  
**MEP ENGINEER:**  
ACNS ENGINEERING  
ADDRESS: 4 BEAUREGARD BLVD.  
CHARLES TOWN, WV, 25414

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PHASE ONE**

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**FLOOR PLAN**

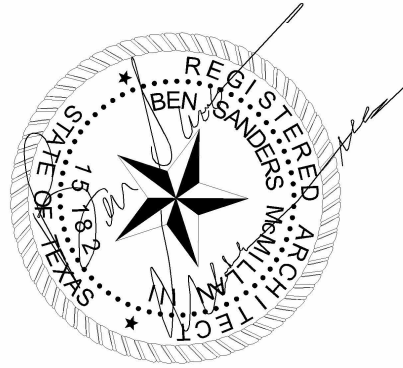
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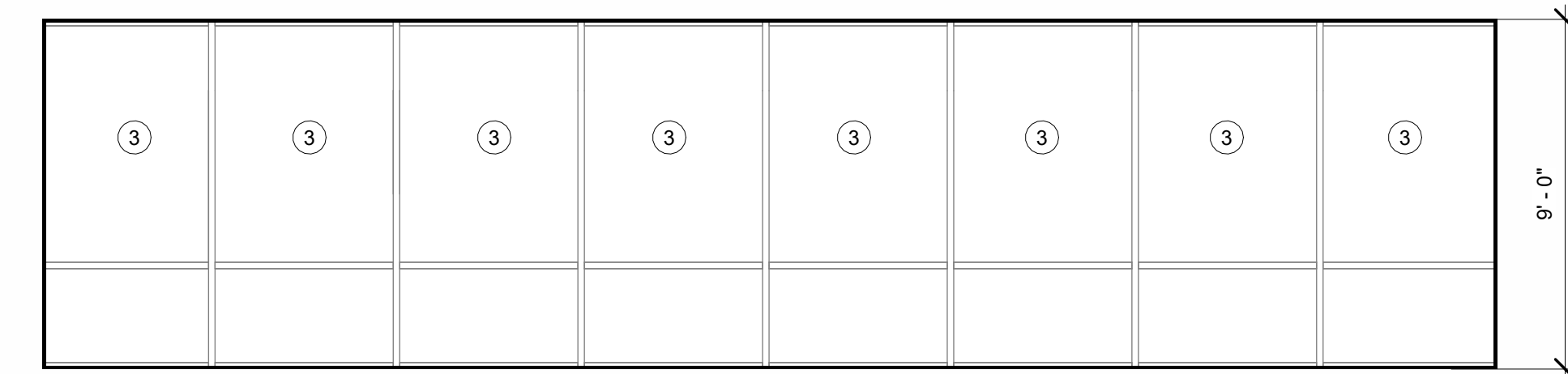


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CONSULTANTS:

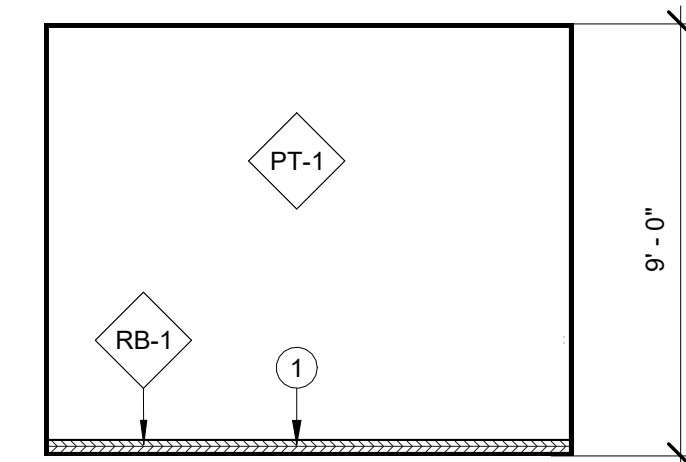
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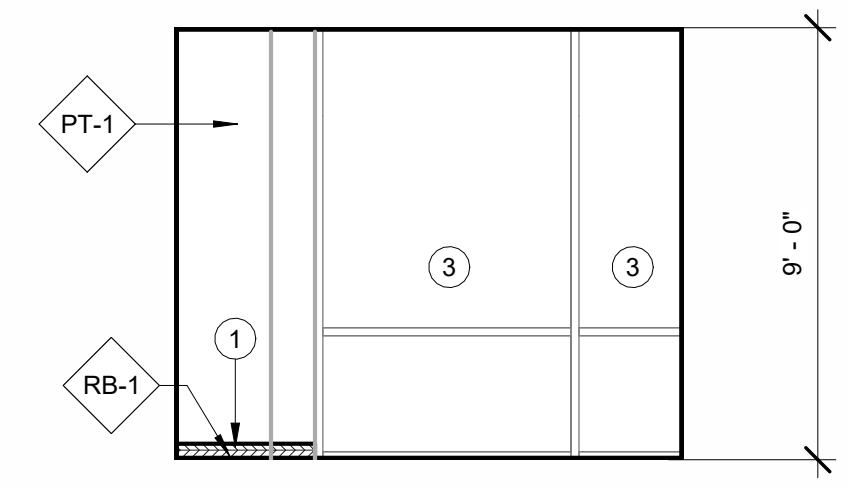
GRAPHIC SCALE:  
1/4" = 1'-0"

TYP. CLASSROOM WEST 102 & 103  
1/4" = 1'-0" 8



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

CLASSROOM WEST 119  
1/4" = 1'-0" 12



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

OFFICE 101 WEST  
1/4" = 1'-0" 4

- PT-1: SW 6252 ICE CUBE
- PT-2: 1042-5 PROPHETIC SEA
- PT-3: 1041-3 BILLOWING CLOUDS
- RB-1: GATEWAY WG

LEGEND

- SCHEDULED RUBBER BASE
- SCHEDULED DOOR
- EXISTING TO REMAIN WINDOWS

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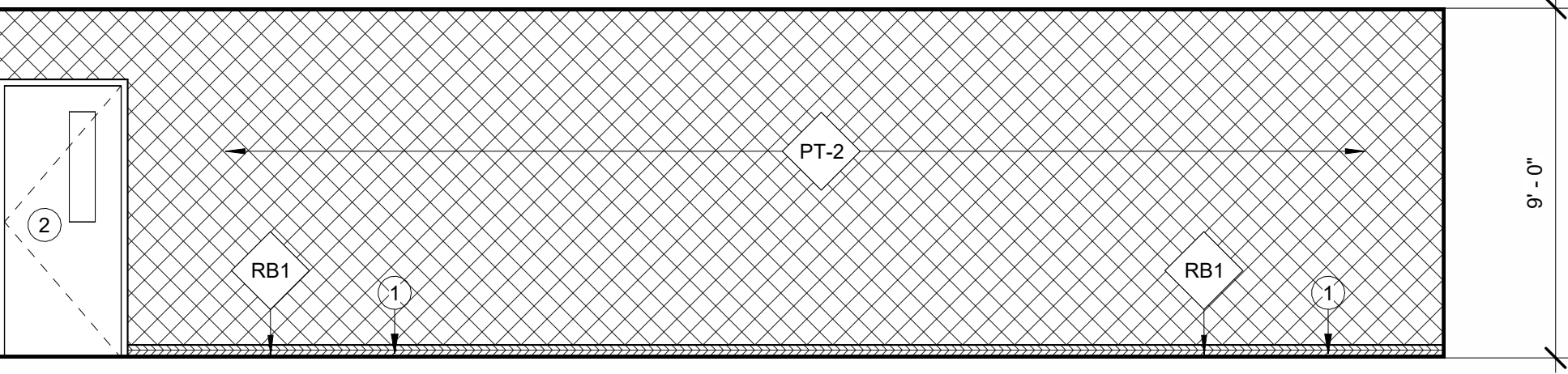
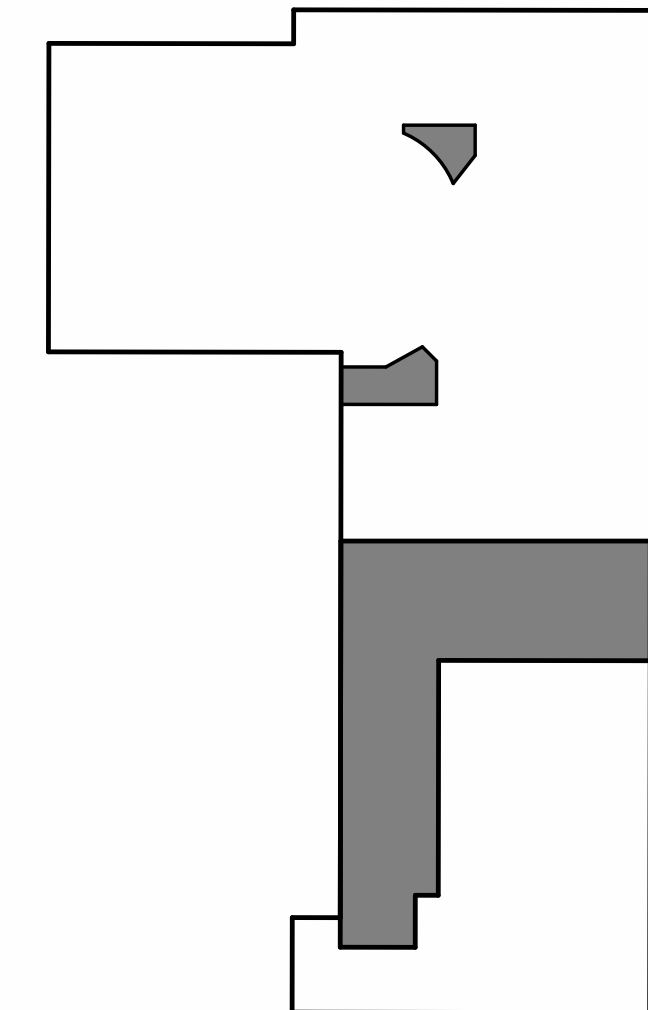
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**INTERIOR ELEVATIONS**

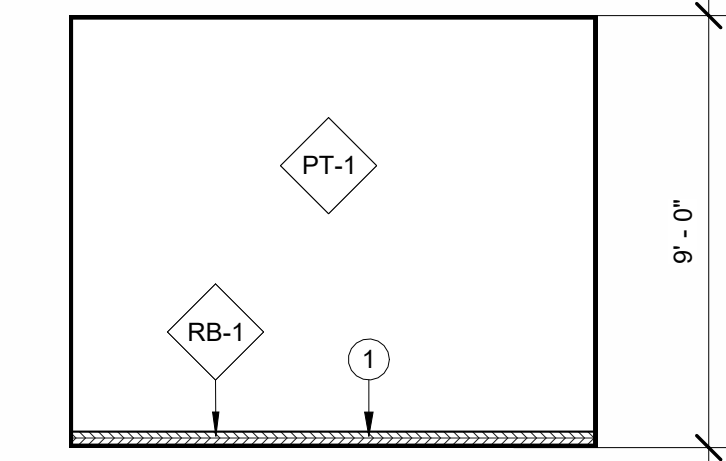
**A700**

AREA MAP



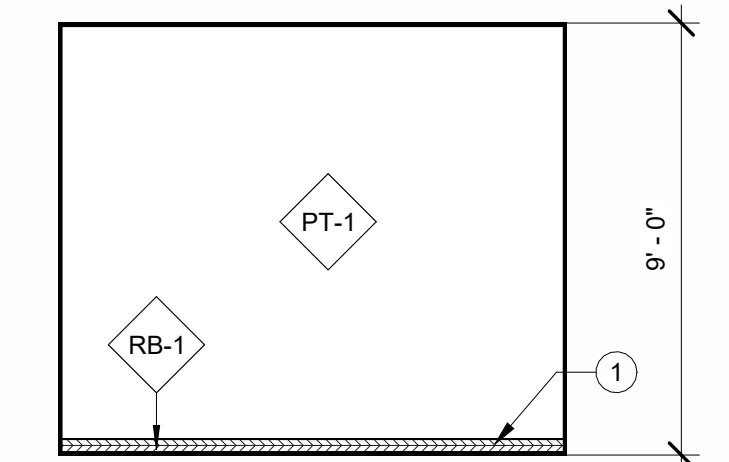
GRAPHIC SCALE:  
1/4" = 1'-0"

TYP. CLASSROOM EAST 102 & 103  
1/4" = 1'-0" 7



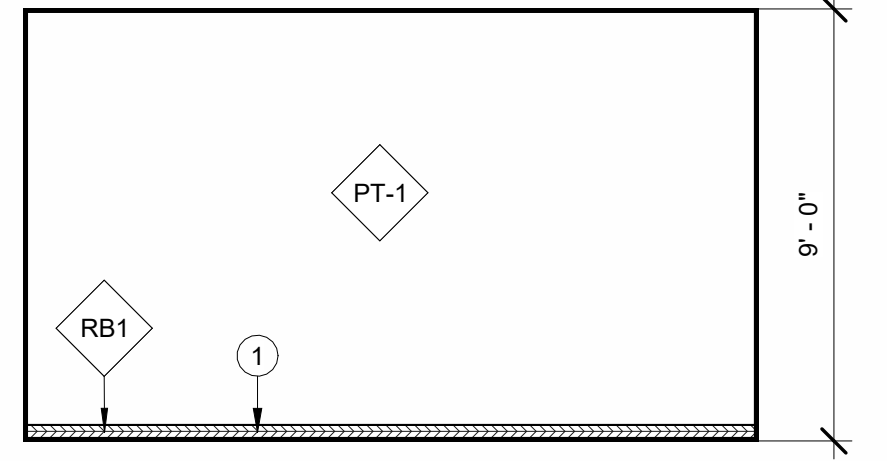
GRAPHIC SCALE:  
1/4" = 1'-0"

CLASSROOM EAST 119  
1/4" = 1'-0" 11



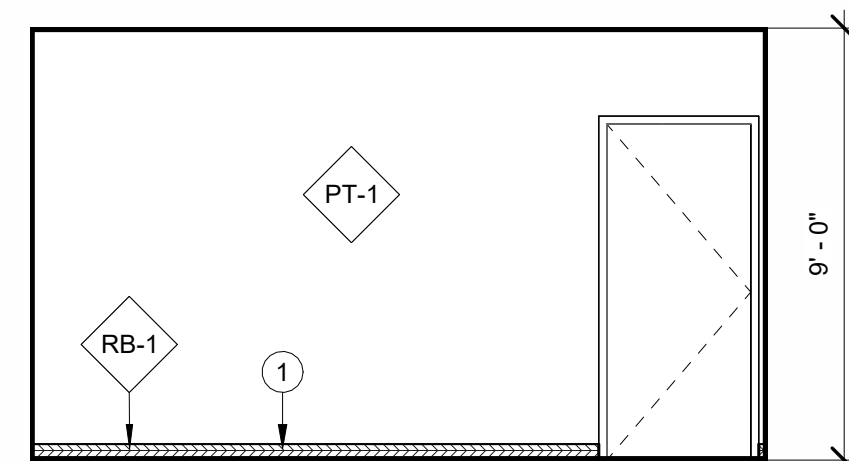
GRAPHIC SCALE:  
1/4" = 1'-0"

OFFICE 101 EAST  
1/4" = 1'-0" 3



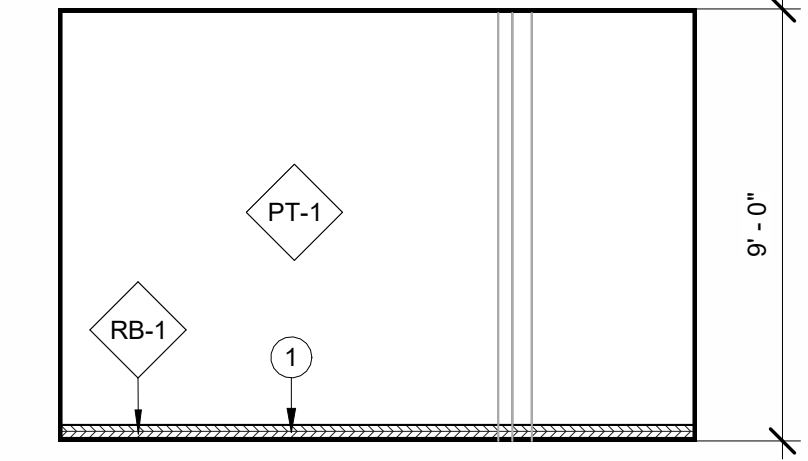
GRAPHIC SCALE:  
1/4" = 1'-0"

TYP. CLASSROOM SOUTH 102 & 103  
1/4" = 1'-0" 6



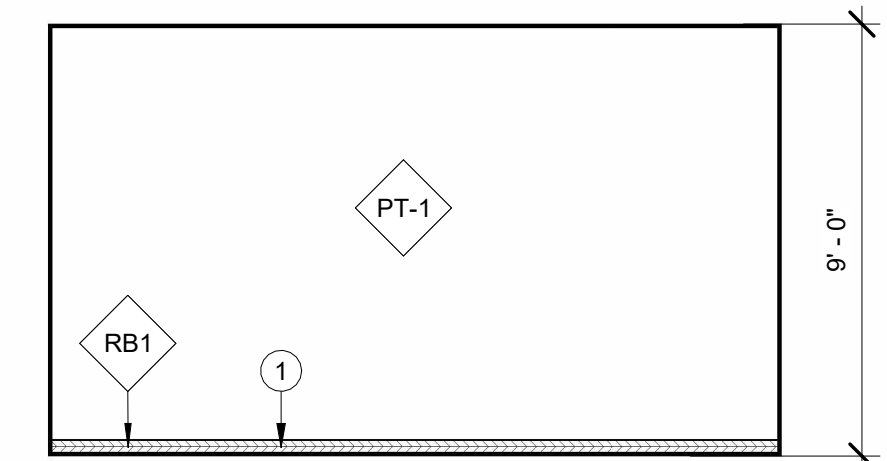
GRAPHIC SCALE:  
1/4" = 1'-0"

CLASSROOM SOUTH 119  
1/4" = 1'-0" 10



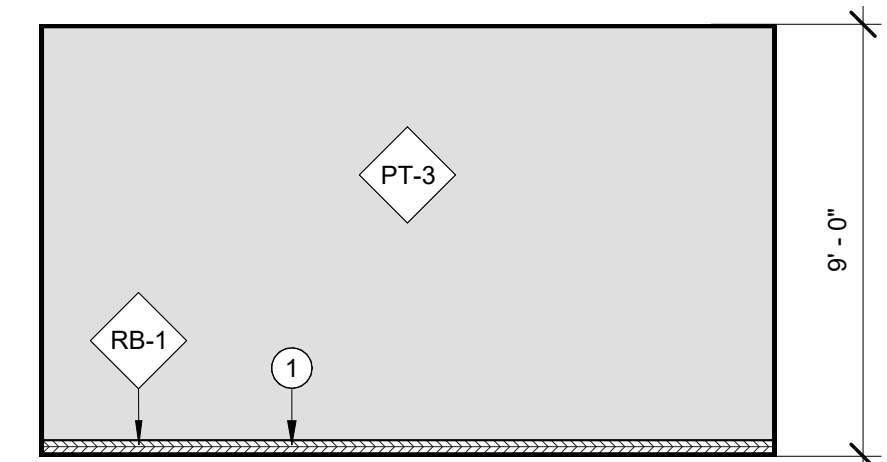
GRAPHIC SCALE:  
1/4" = 1'-0"

OFFICE 101 SOUTH  
1/4" = 1'-0" 2



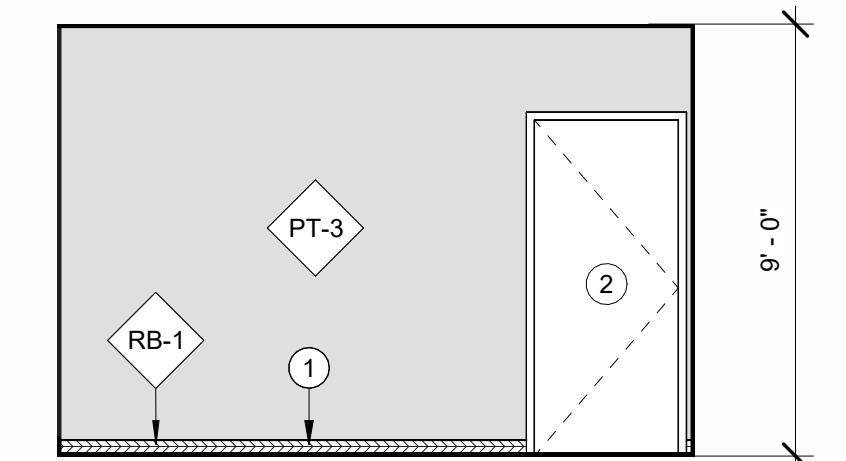
GRAPHIC SCALE:  
1/4" = 1'-0"

TYP. CLASSROOM NORTH 102 & 103  
1/4" = 1'-0" 5



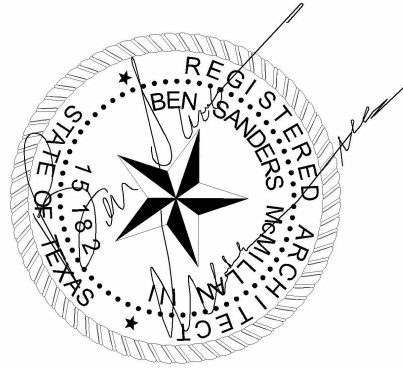
GRAPHIC SCALE:  
1/4" = 1'-0"

CLASSROOM NORTH 119  
1/4" = 1'-0" 9



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

OFFICE 101 NORTH  
1/4" = 1'-0" 1



03/17/2026

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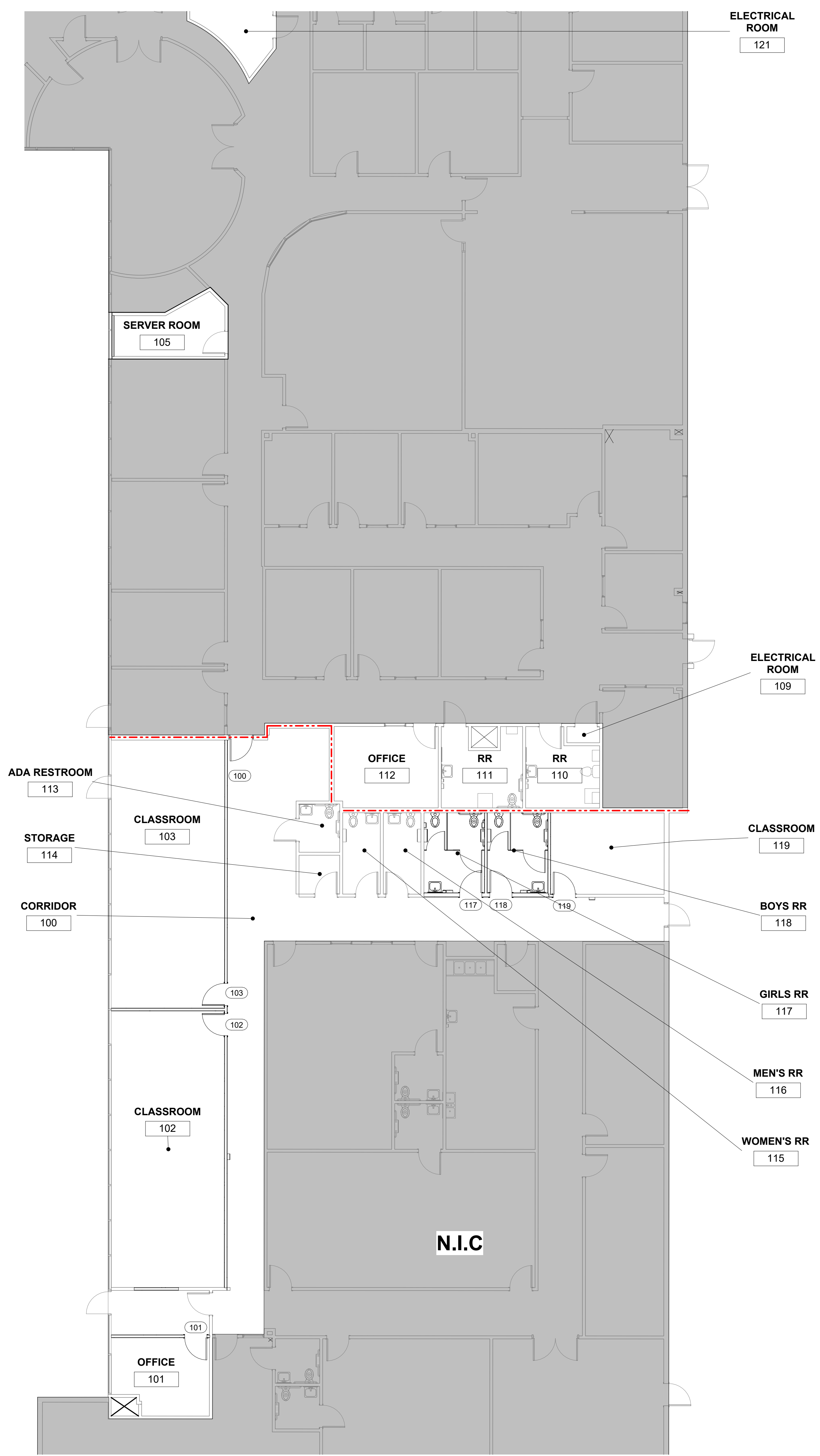
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Revisions:

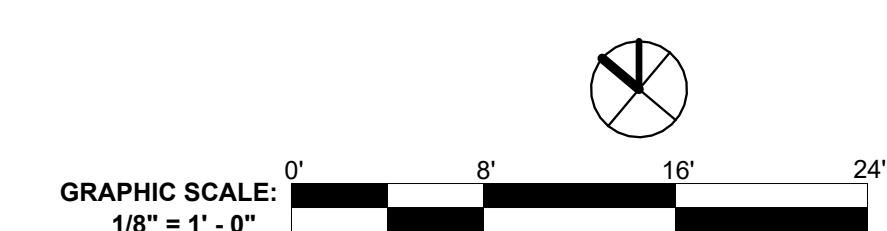
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## PLAQUE SCHEDULE

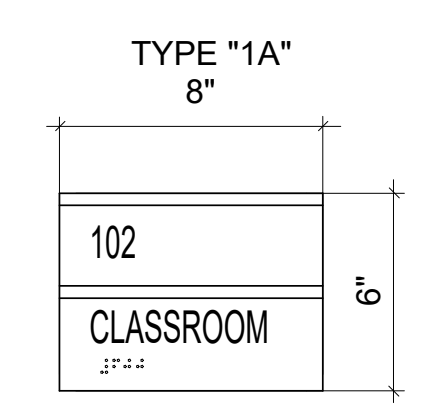
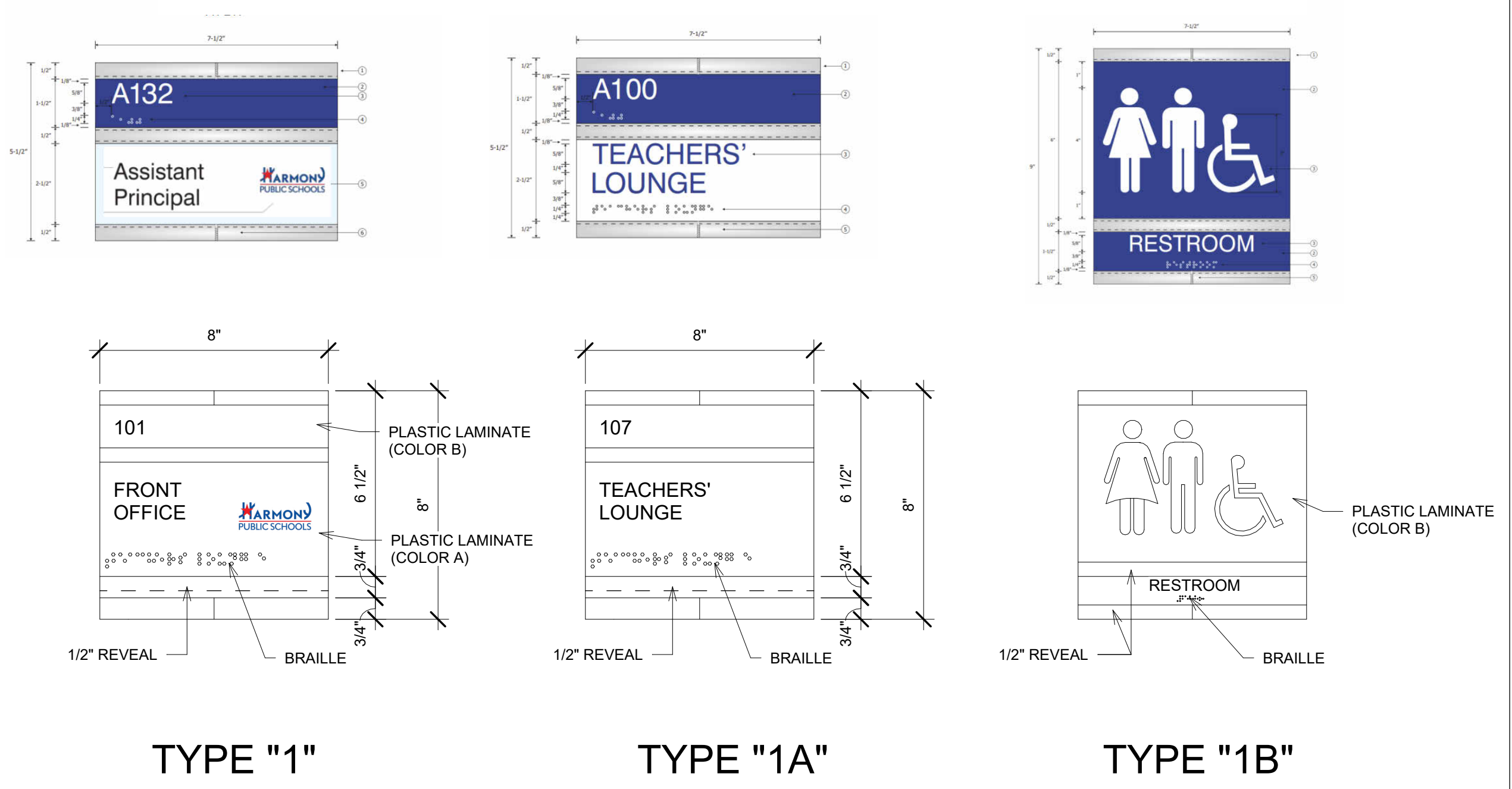
**A730**



PLAN NORTH



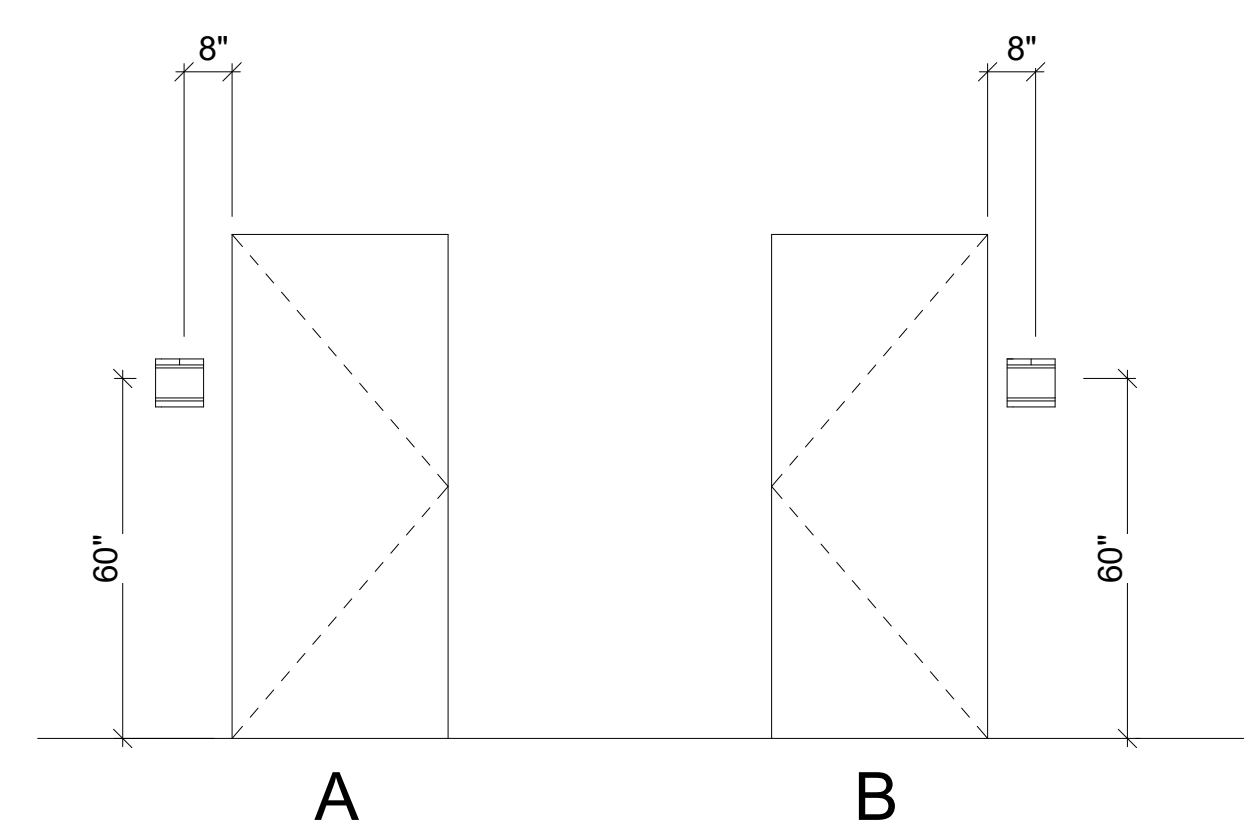
FLOOR PLAN 1



- TYP. ROOM SIGNS:**  
GENERAL NOTES:
1. SINGLE SIDED
  2. HELVETICA MED. LETTER STYLE
  3. MOUNTING 1/16" FOAM TYPE
  4. PROVIDE BACKER FOR GLASS @ DOOR OPENINGS WHERE NECESSARY

- WALL SIGN COLOR SELECTION:**
1. PLASTIC LAMINATE (COLOR A)  
WILSON ART D354-60 (DESIGNER WHITE)
  2. PLASTIC LAMINATE (COLOR B)  
WILSONART D417-60 (LAPIS BLUE)
  3. RAISED ACRYLIC TEXT, BLACK ON DESIGNER WHITE AND DESIGNER WHITE ON LAPIS BLUE
  4. DEMARCATION LINE AND EDGE TRIM, BLACK.

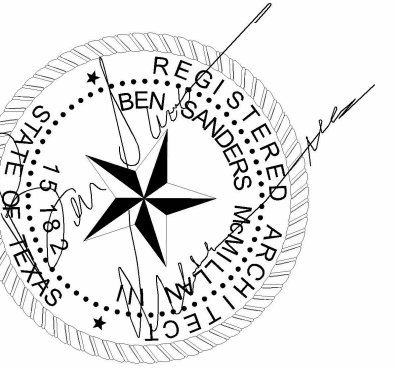
PLAQUE TYPE 4  
3" = 1'-0"



PLAQUE LOCATION 3  
3/8" = 1'-0"

PLAQUE SCHEDULE				
DOOR NO.	PLAQUE LOCATION	PLAQUE MESSAGE	PLAQUE TYPE	REMARKS
101	B	FRONT OFFICE	1	
102	A	CLASSROOM	1A	
103	B	CLASSROOM	1A	
104	B	CLASSROOM	1A	
105	B	SERVER ROOM	1	
109	B	ELECTRICAL PANEL ROOM	1A	
110	B	RESTROOM	1B	
111	A	RESTROOM	1B	
112	B	OFFICE	1	
113	A	ADA RESTROOM	1B	
114	A	STORAGE	1A	
115	A	WOMEN'S RESTROOM	1B	
116	B	MEN'S RESTROOM	1B	
117	A	GIRL'S RESTROOM	1B	
118	B	BOY'S RESTROOM	1B	
119	B	CLASSROOM	1A	

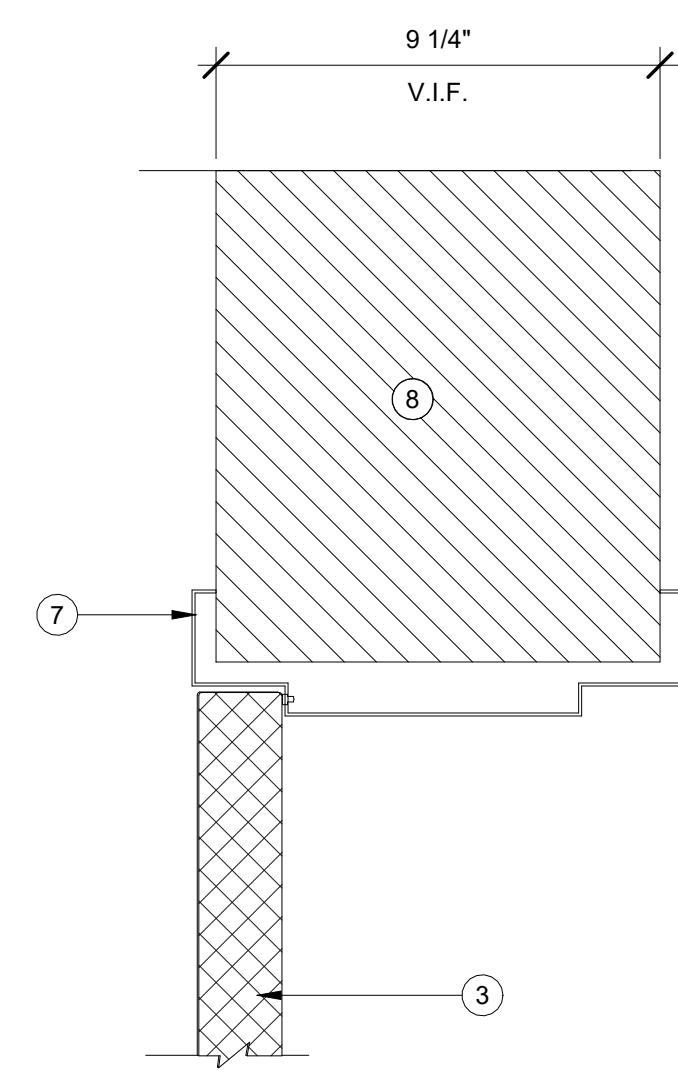
PLAQUE SCHEDULE 2  
3" = 1'-0"



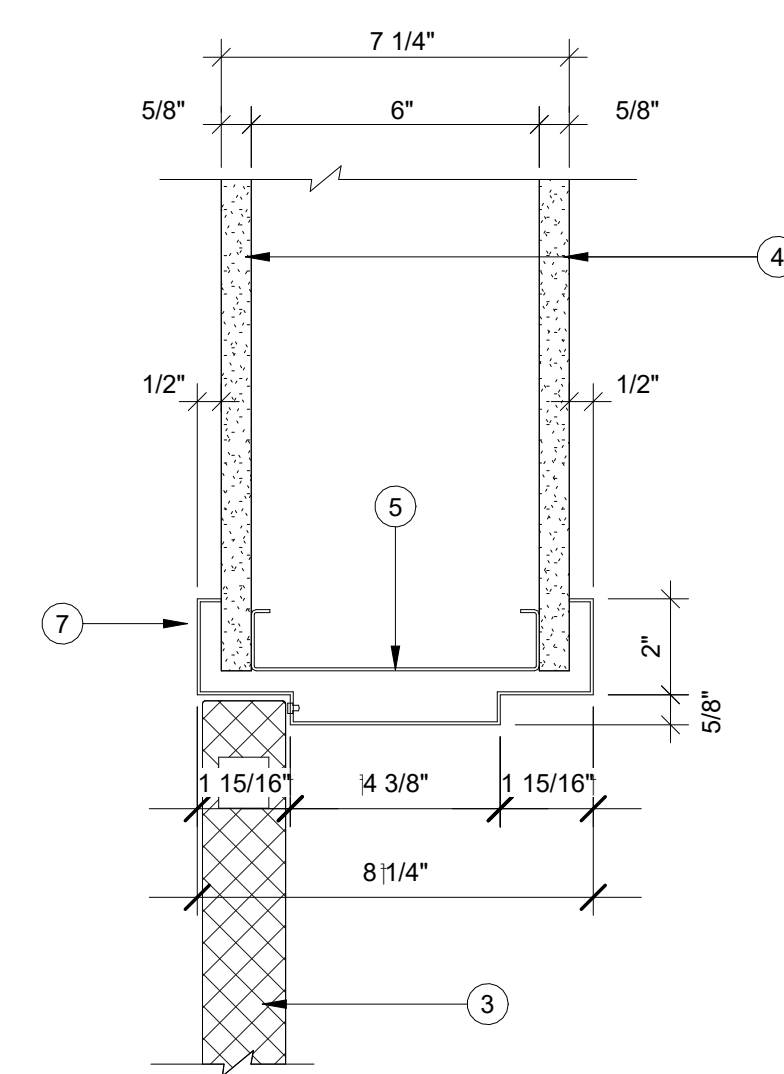
CONSULTANTS:

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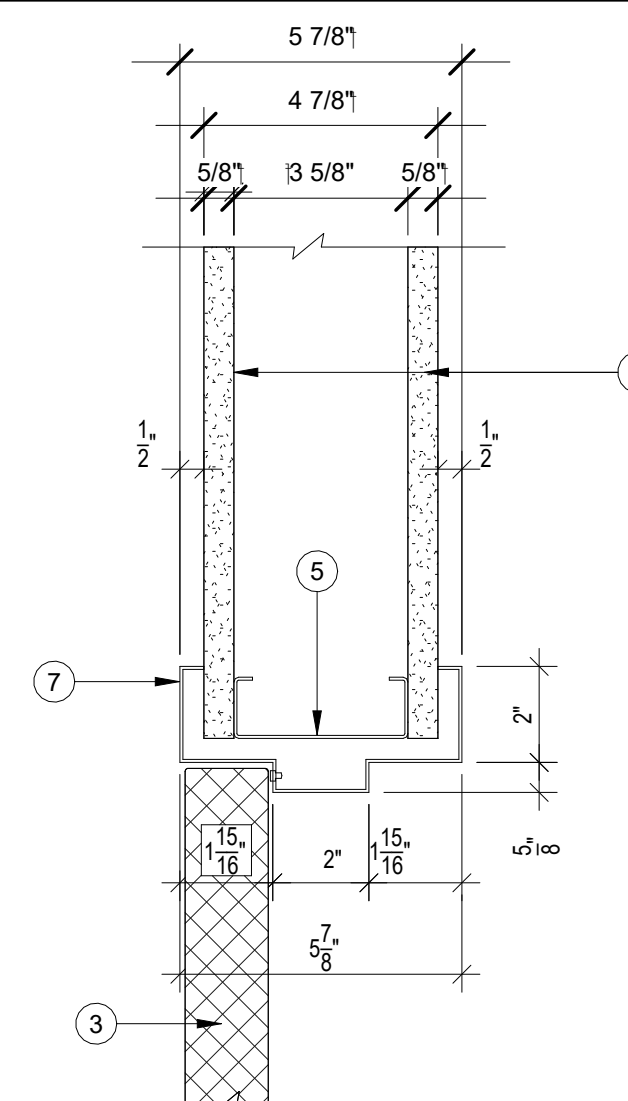
ADDRESS: 4 BEAUREGARD BLVD.  
CHARLES TOWN, WV, 25414



HM DOOR HEAD @ 8"  
3" = 1'-0"

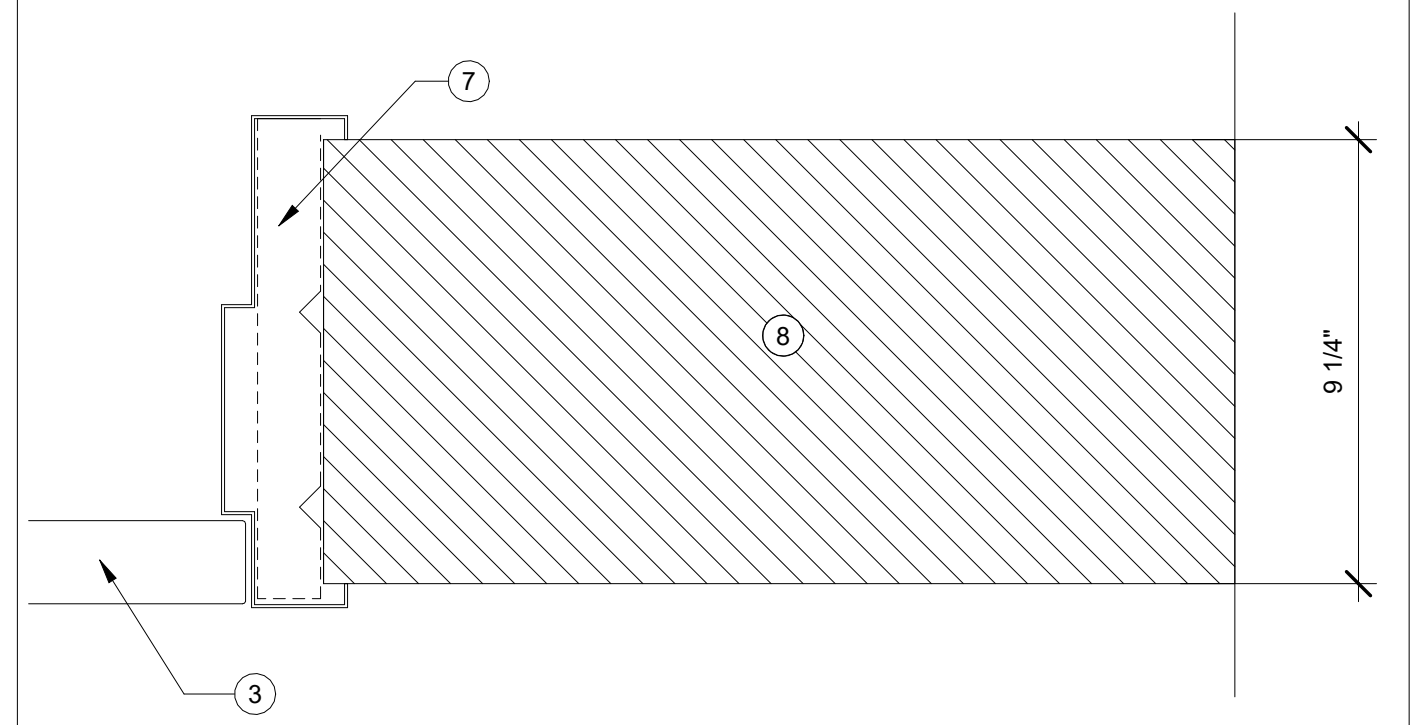


HM DOOR HEAD @ 6"  
3" = 1'-0"

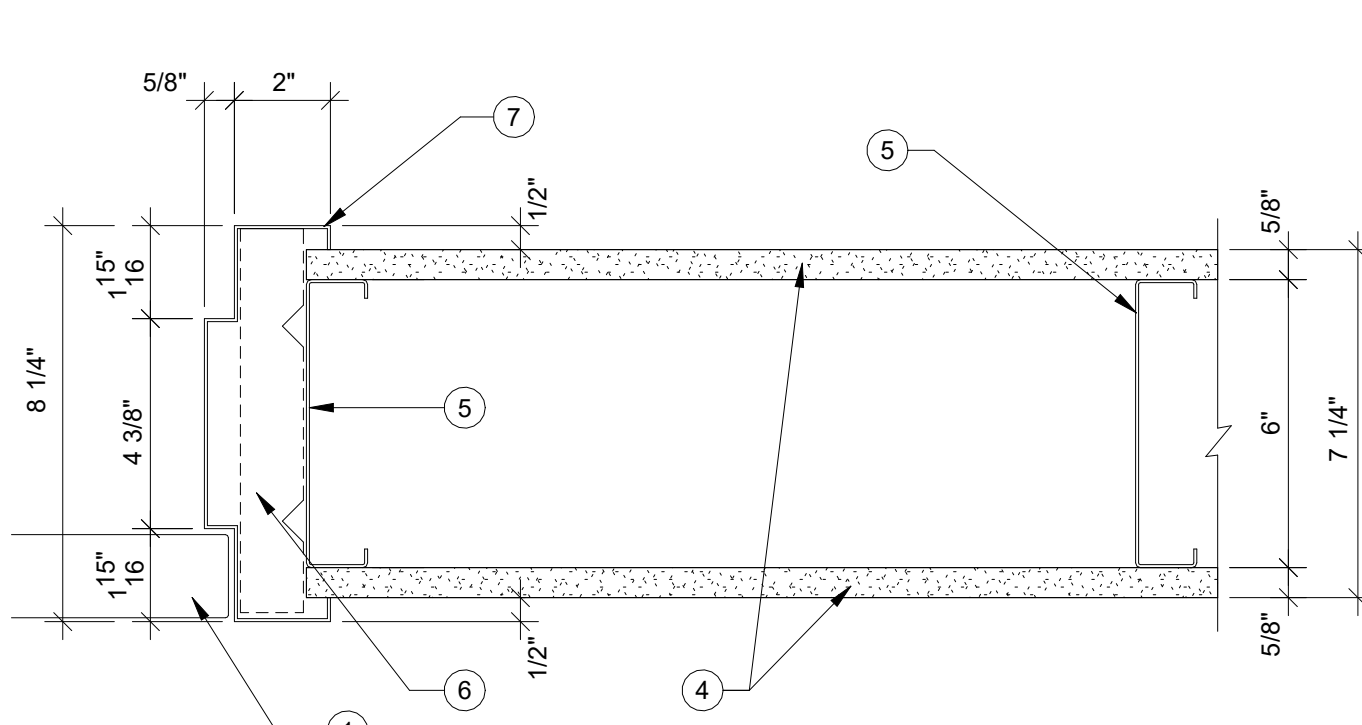


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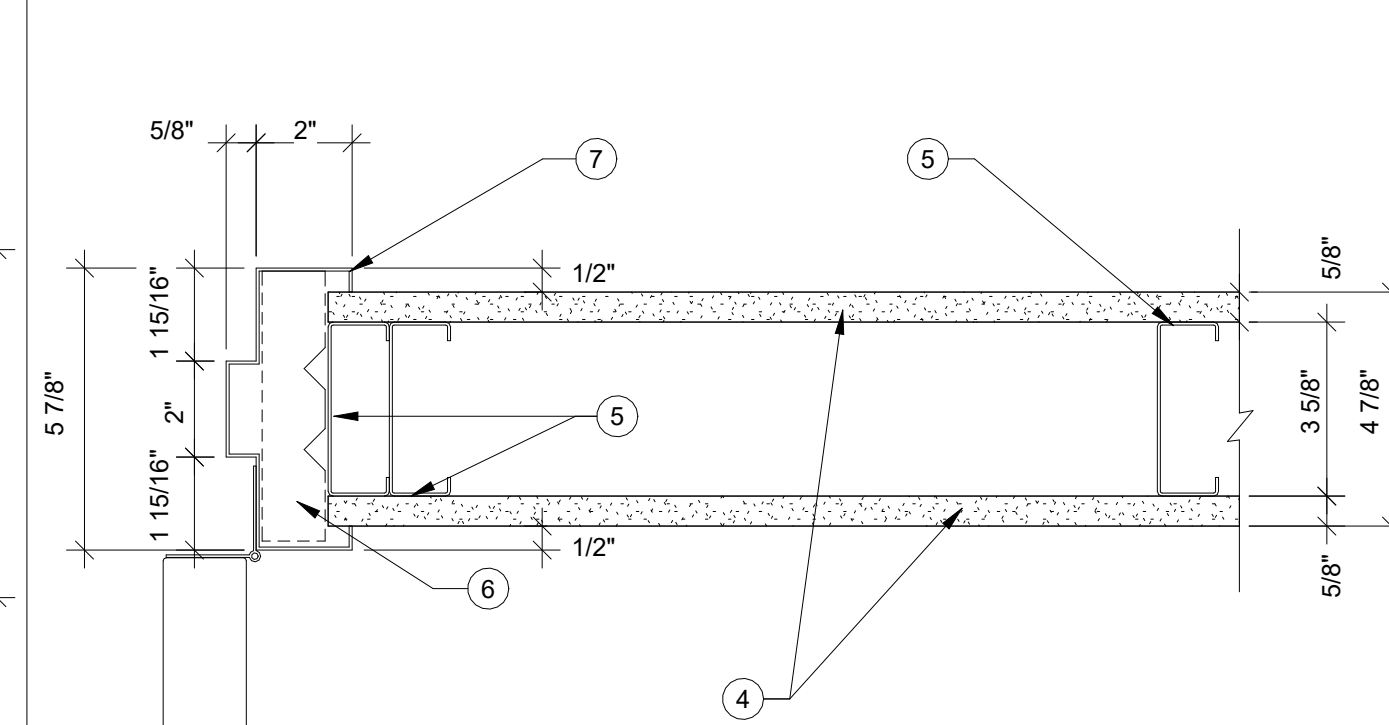
- ① FINISH FLOOR
- ② SCHEDULED DOOR THRESHOLD SET IN WATERPROOF MASTIC
- ③ SCHEDULED DOOR
- ④ CONTINUOUS 5/8" THICK GYPSUM BOARD
- ⑤ METAL STUD
- ⑥ SCHEDULED DOOR FRAME ANCHOR
- ⑦ HOLLOW METAL DOOR FRAME
- ⑧ EXISTING WALL TO REMAIN



HM DOOR JAMB @ 8"  
3" = 1'-0"

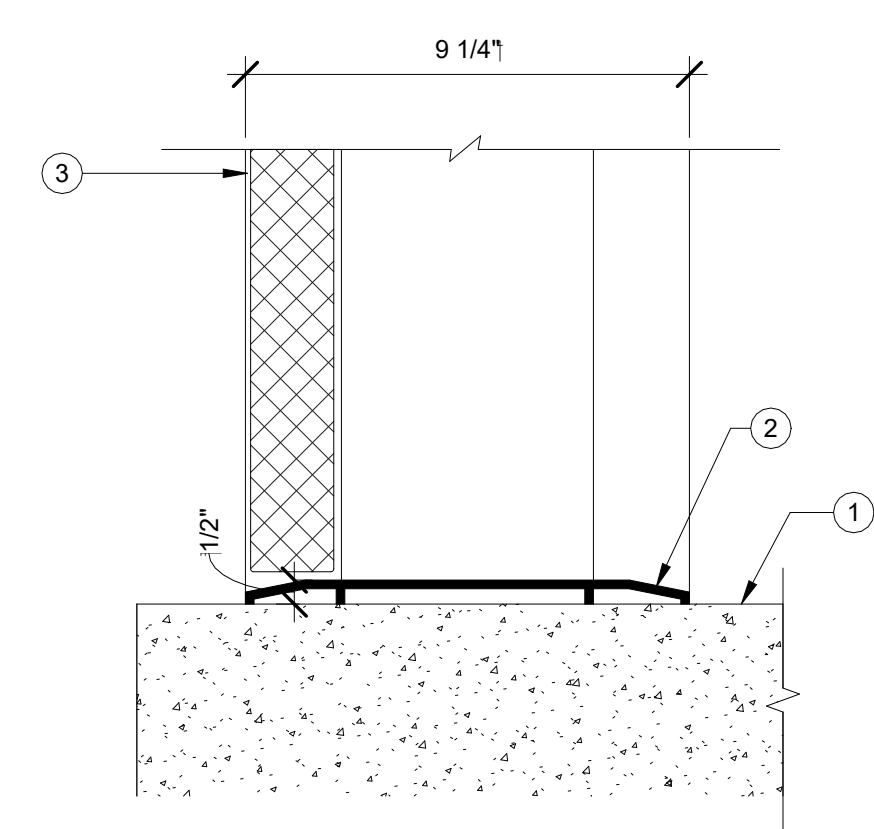


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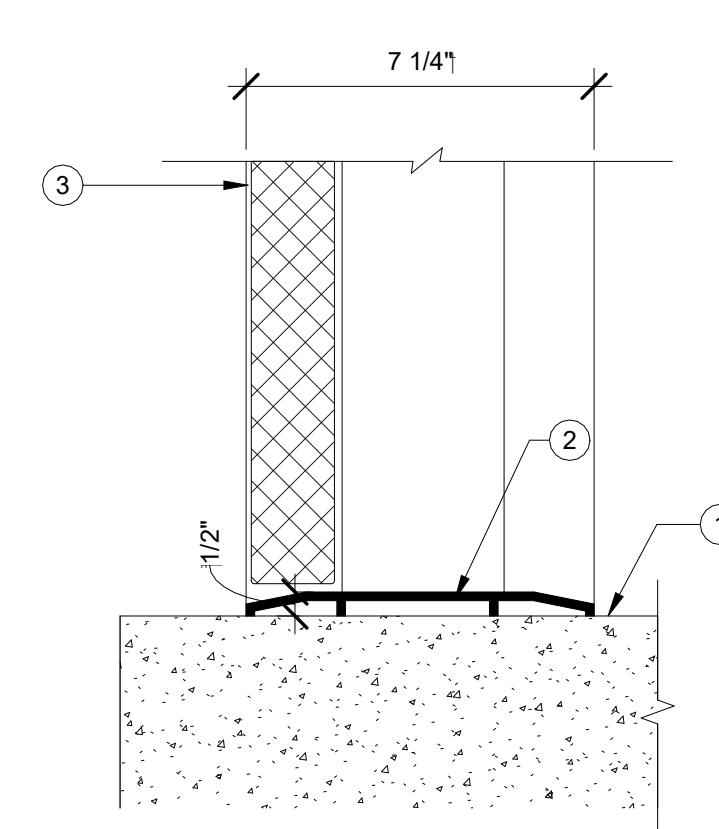


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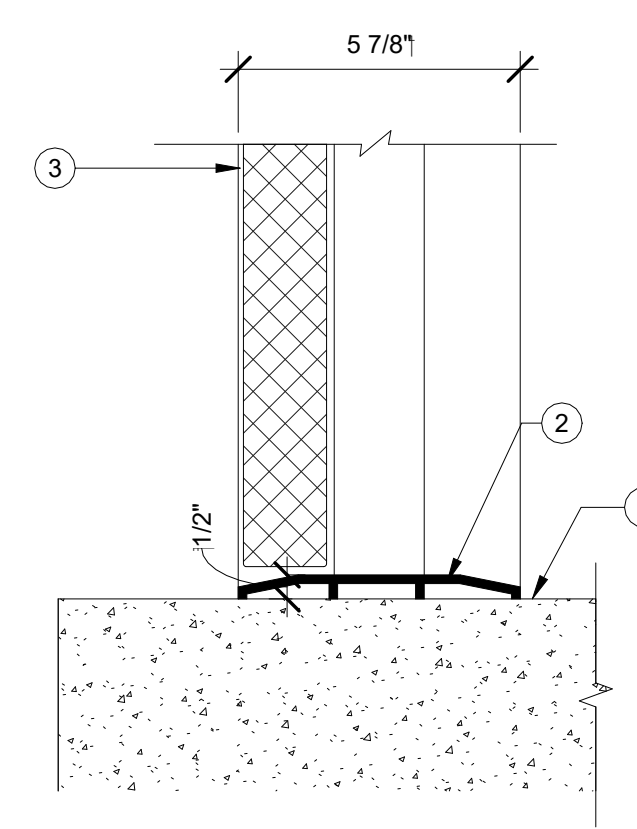
KEY NOTES



HM DOOR SILL @ 8"  
3" = 1'-0"



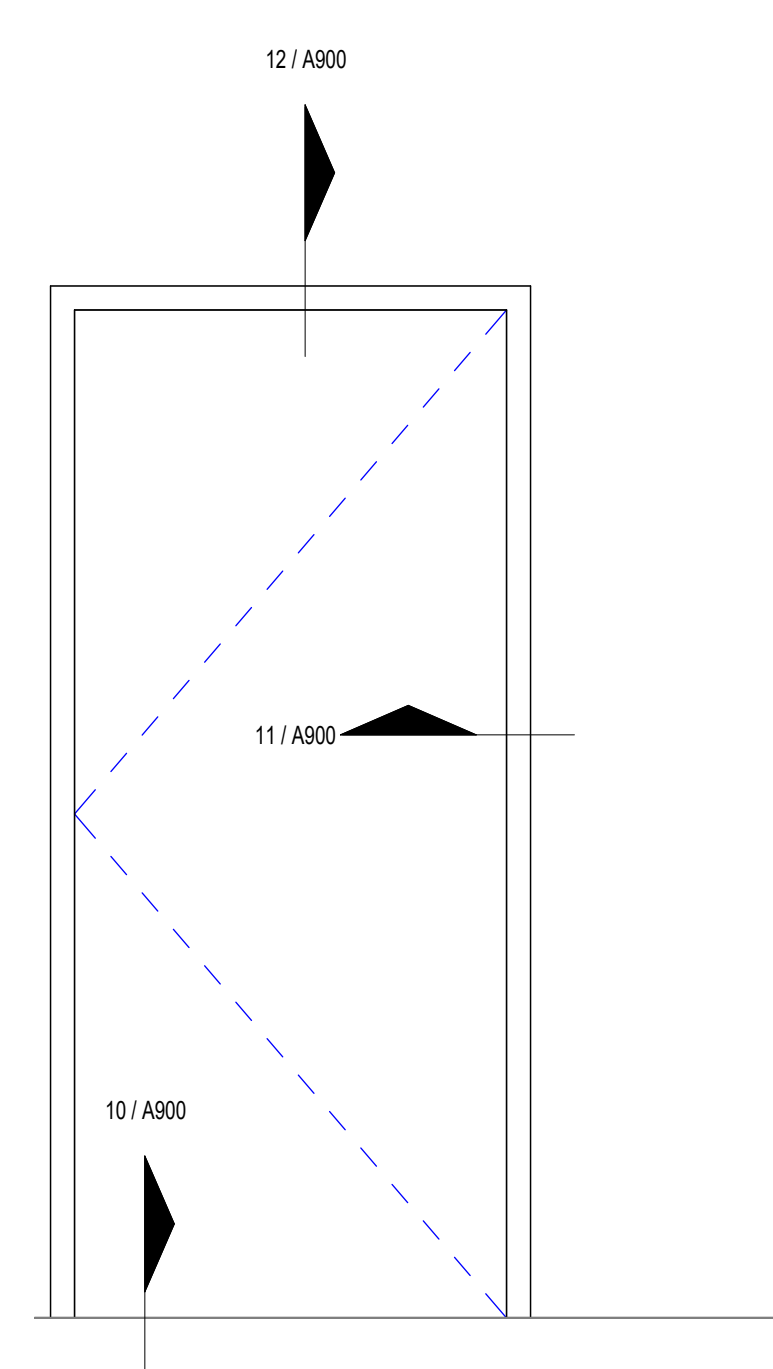
HM DOOR SILL @ 6"  
3" = 1'-0"



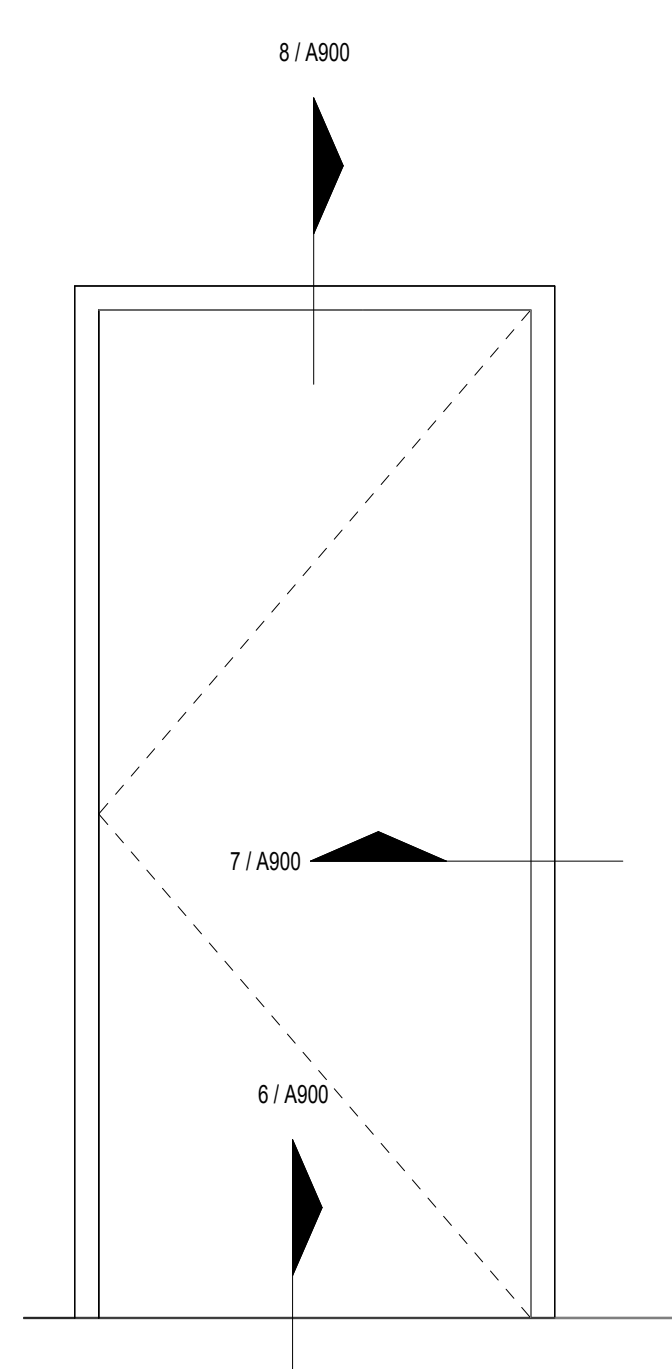
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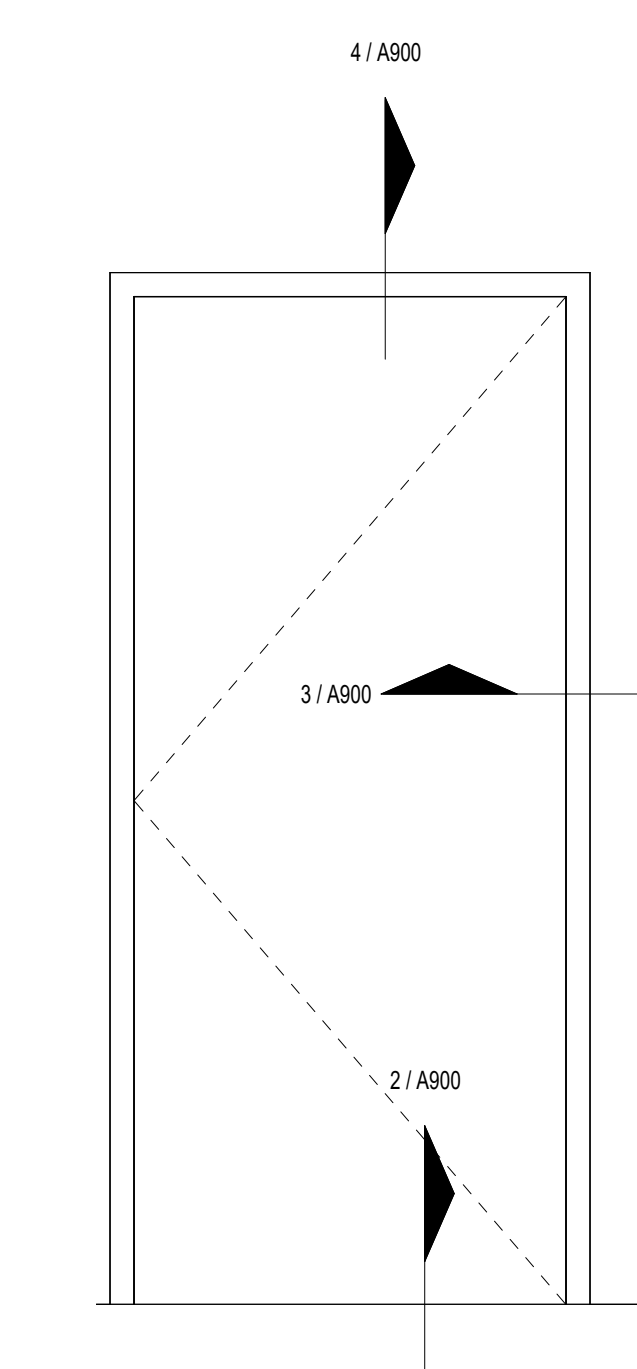
GENERAL NOTES



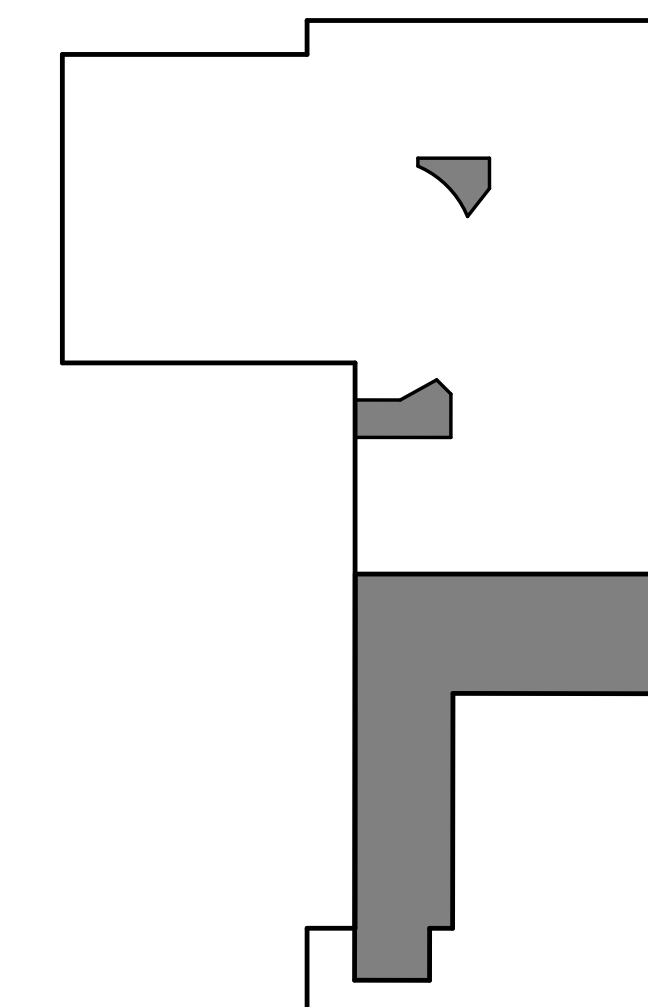
HM DOOR FRAME FIRE RATED  
3/4" = 1'-0"



DOOR ELEVATION 6" WALL  
3/4" = 1'-0"



HM DOOR FRAME  
3/4" = 1'-0"



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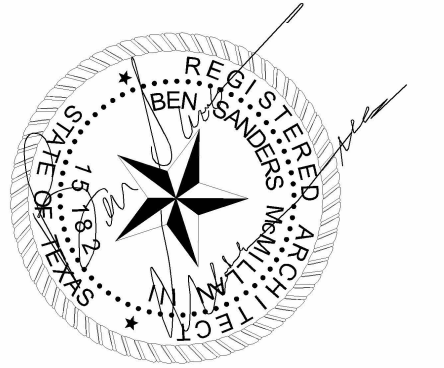
Revisions:

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**DOOR & WINDOW FRAME  
DETAILS**

**A900**





03/17/2026

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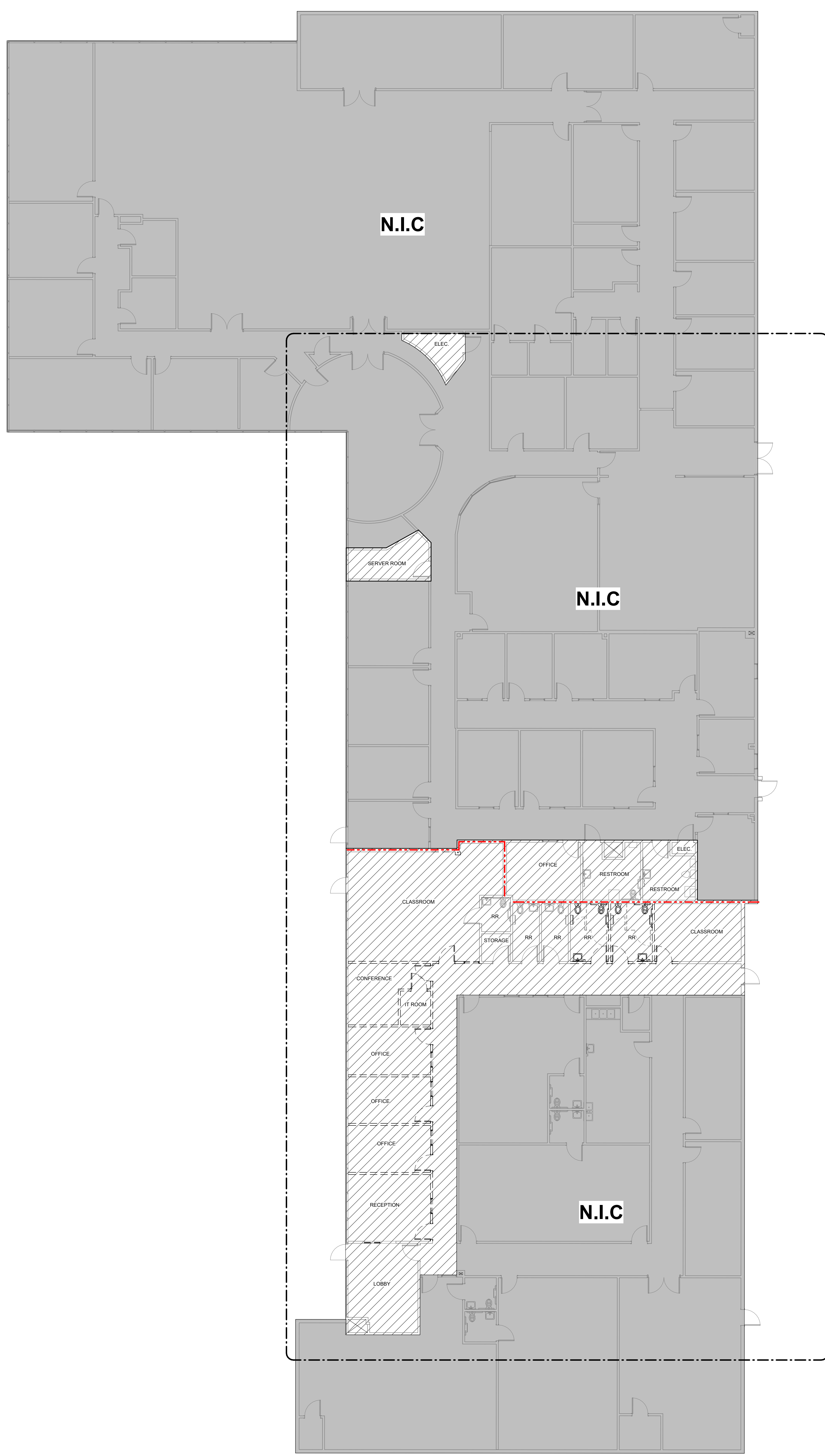
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Revisions:

DESCRIPTION	
ISSUE FOR PERMIT	03-17-2026

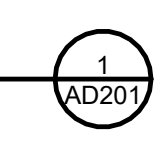
## DEMO OVERALL FLOOR PLAN

# AD200

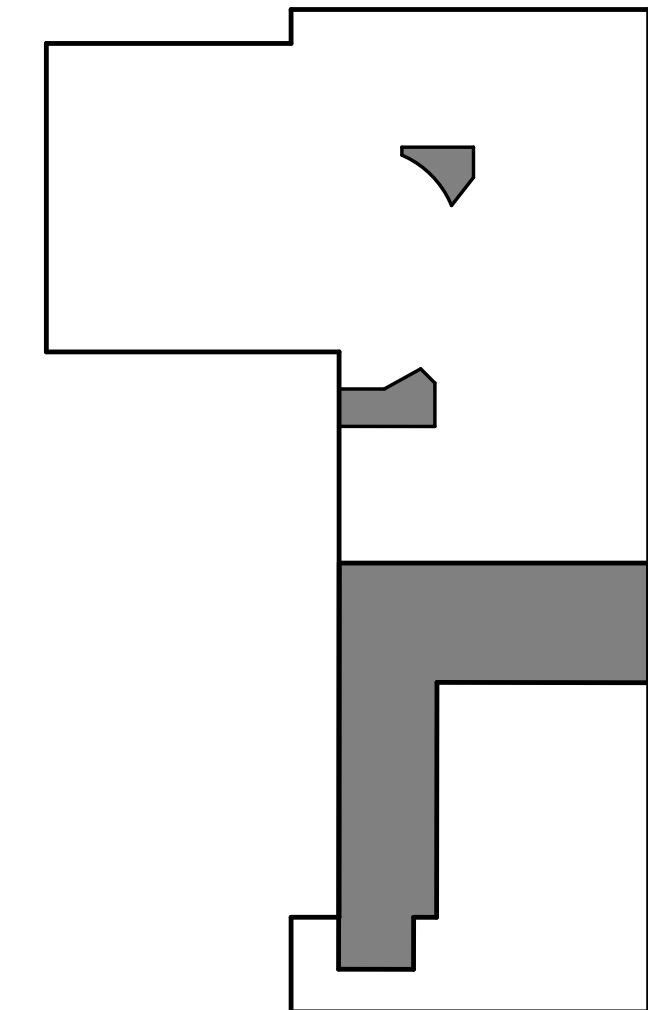


- NOT IN CONTRACT N.I.C.
- TWO HOUR FIRE-RATED PARTITION
- AREA IN SCOPE
- EXISTING TO BE DEMOLISHED
- EXISTING TO REMAIN
- PICTURE LOCATION

## LEGEND

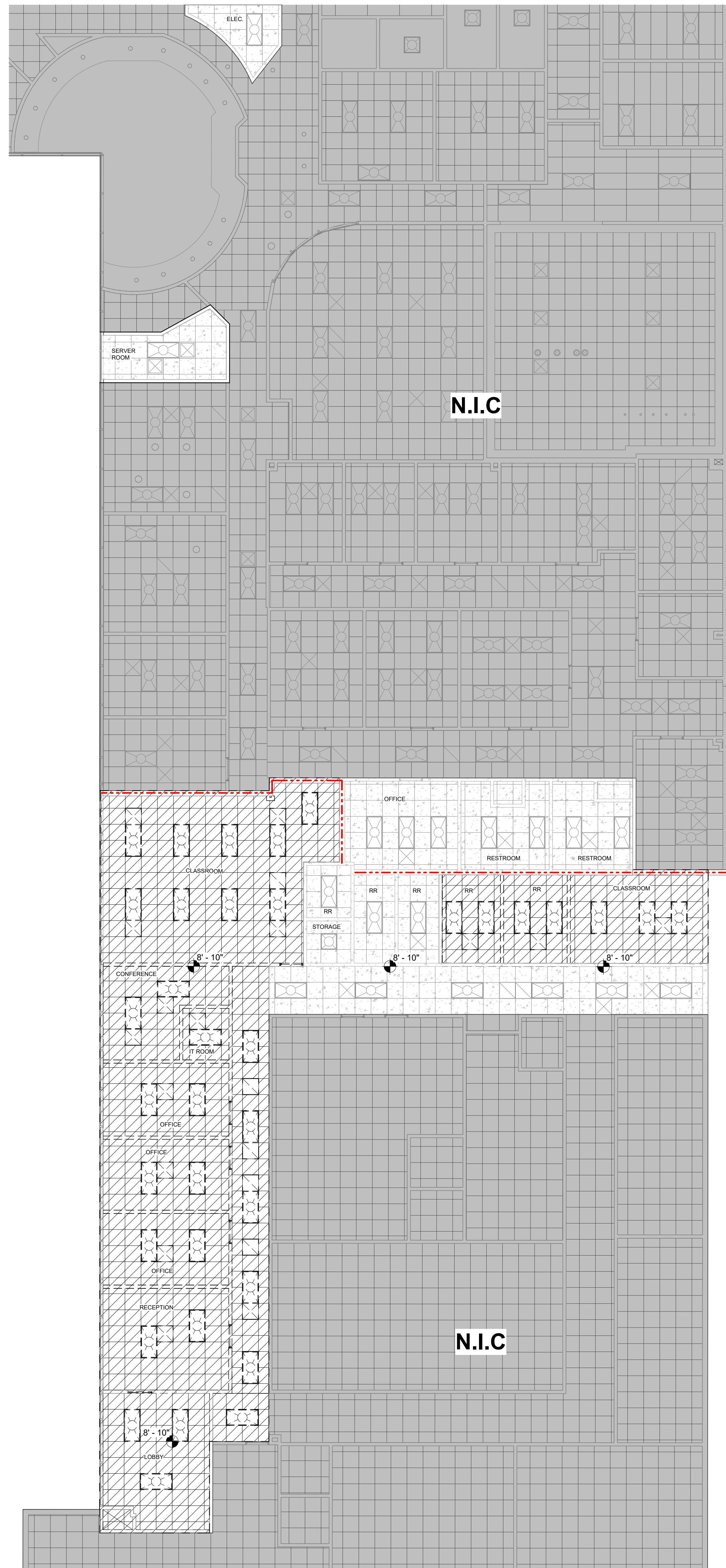







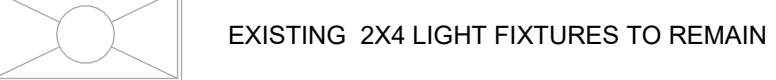

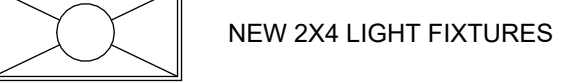
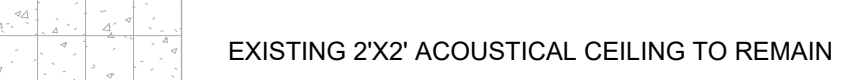



DEMO FLOOR PLAN  
3/32" = 1'-0"



AREA MAP



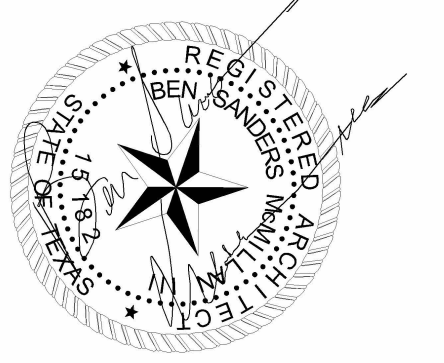
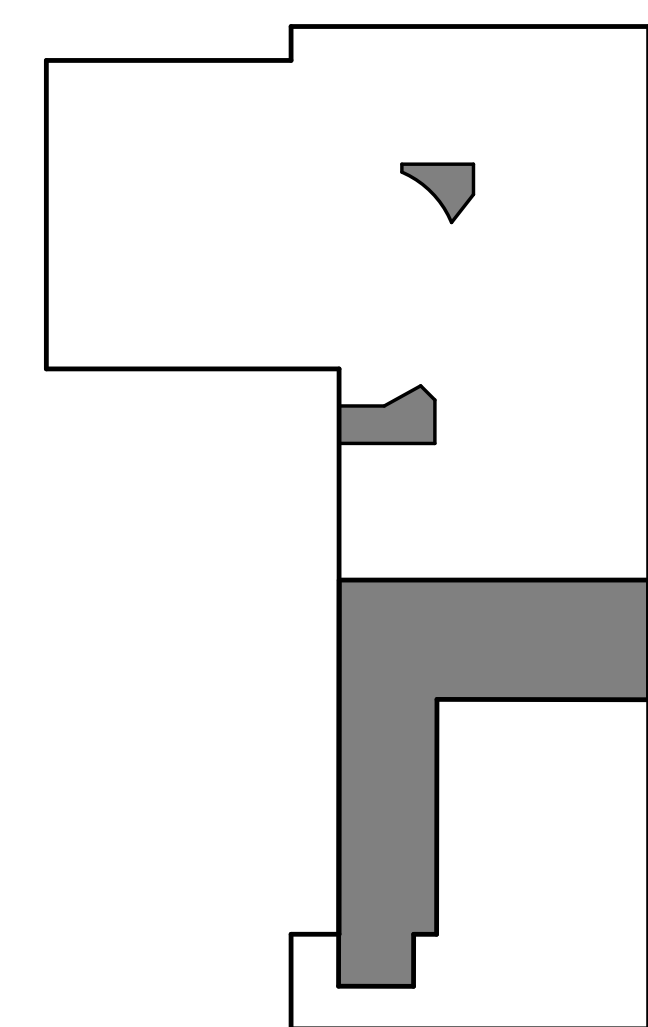


-  NOT IN CONTRACT N.I.C.
-  TWO HOUR FIRE-RATED PARTITION
-  EXISTING GRILLE/ DIFFUSER TO BE DEMOLISHED
-  EXISTING GRILLE/ DIFFUSER TO REMAIN
-  EXISTING 2X2 LIGHT FIXTURES TO REMAIN
-  EXISTING 2X4 LIGHT FIXTURES TO REMAIN
-  EXISTING 2X4 LIGHT FIXTURES TO BE DEMOLISHED
-  NEW 2X4 LIGHT FIXTURES
-  EXISTING 2X2 ACOUSTICAL CEILING TO REMAIN
-  EXISTING 2X2 ACOUSTICAL CEILING TO BE DEMOLISHED
-  NEW 2X2 ACOUSTICAL CEILING
-  SPOT ELEVATION

**LEGEND**

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**GENERAL NOTES**



CONSULTANTS:

**MEP ENGINEER:**  
ACNS ENGINEERING

ADDRESS: 4 BEAUREGARD BLVD.  
CHARLES TOWN, WV, 25414

**HARMONY  
SCHOOL OF  
EXPLORATION  
INTERIOR  
RENOVATIONS  
PHASE ONE**

9303 W Sam Houston Pkwy S,  
Houston, TX 77099

Drawing Date: 03/17/2026  
Drawn: KS  
Checked: BM  
Scale: As indicated

Revisions:	DESCRIPTION
ISSUE FOR PERMIT	03-17-2026

**DEMO REFLECTED  
CEILING PLAN**

**AD202**



03/17/2026

CONSULTANTS:  
**MEP ENGINEER:**  
ACNS ENGINEERING  
ADDRESS: 4 BEAUREGARD BLVD.  
CHARLES TOWN, WV, 25414

**HARMONY  
SCHOOL OF  
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9303 W Sam Houston Pkwy S,  
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Drawing Date: 03/17/2026  
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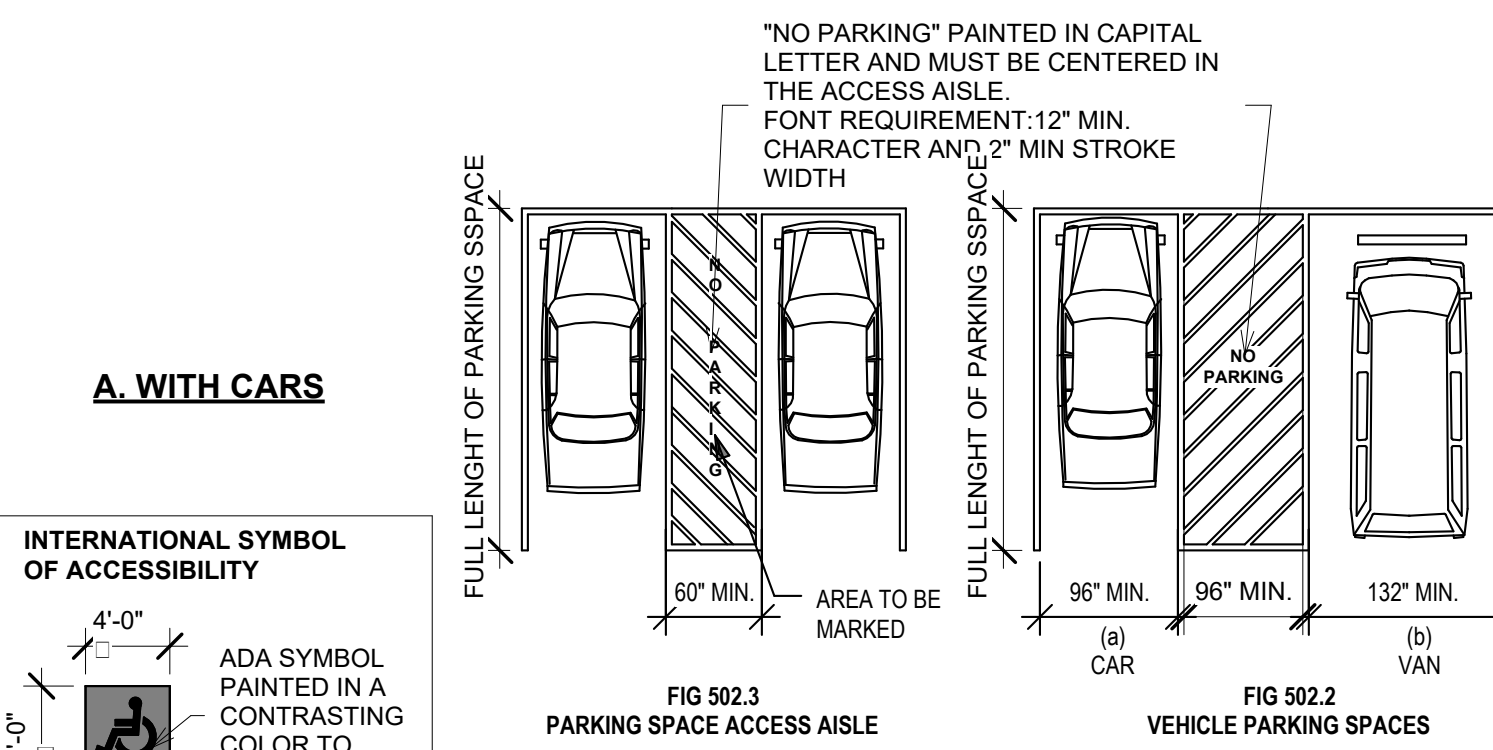
Revisions:

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	03-17-2026

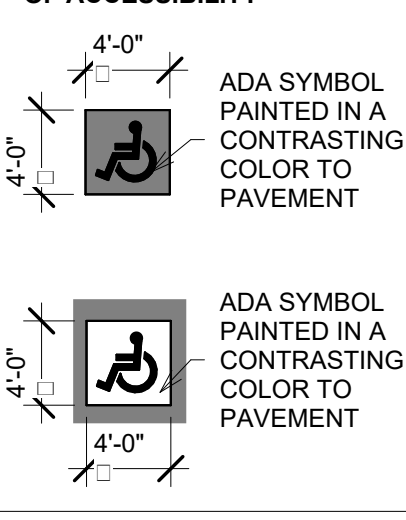
**ACCESSIBILITY  
STANDARDS**

**G002**

**A. WITH CARS**




**INTERNATIONAL SYMBOL OF ACCESSIBILITY**



ADA SYMBOL PAINTED IN A CONTRASTING COLOR TO PAVEMENT

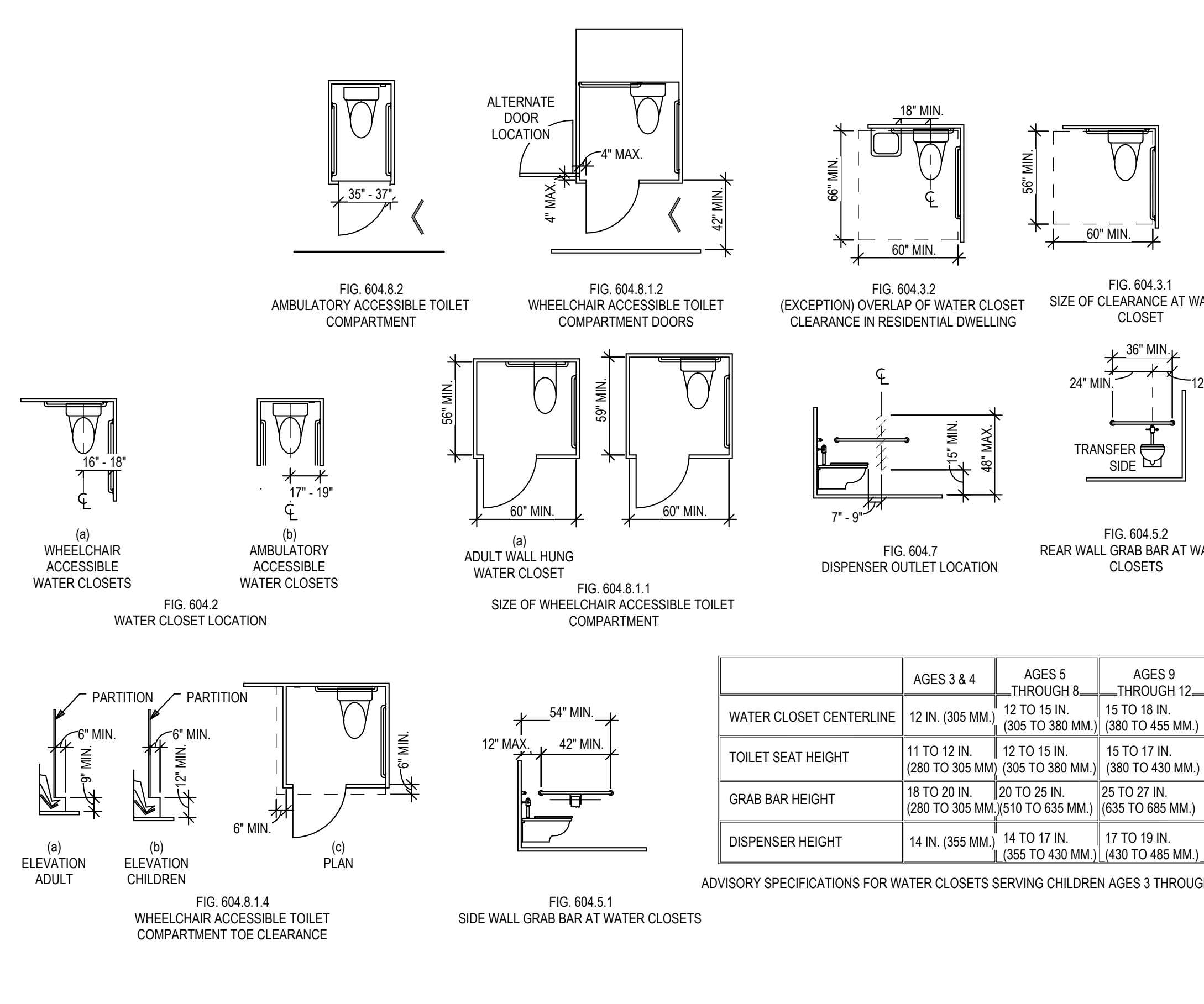
ADA SYMBOL PAINTED IN A CONTRASTING COLOR TO PAVEMENT

**B. WITHOUT CARS SHOWING HANDICAP SIGN ON PAVEMENT**



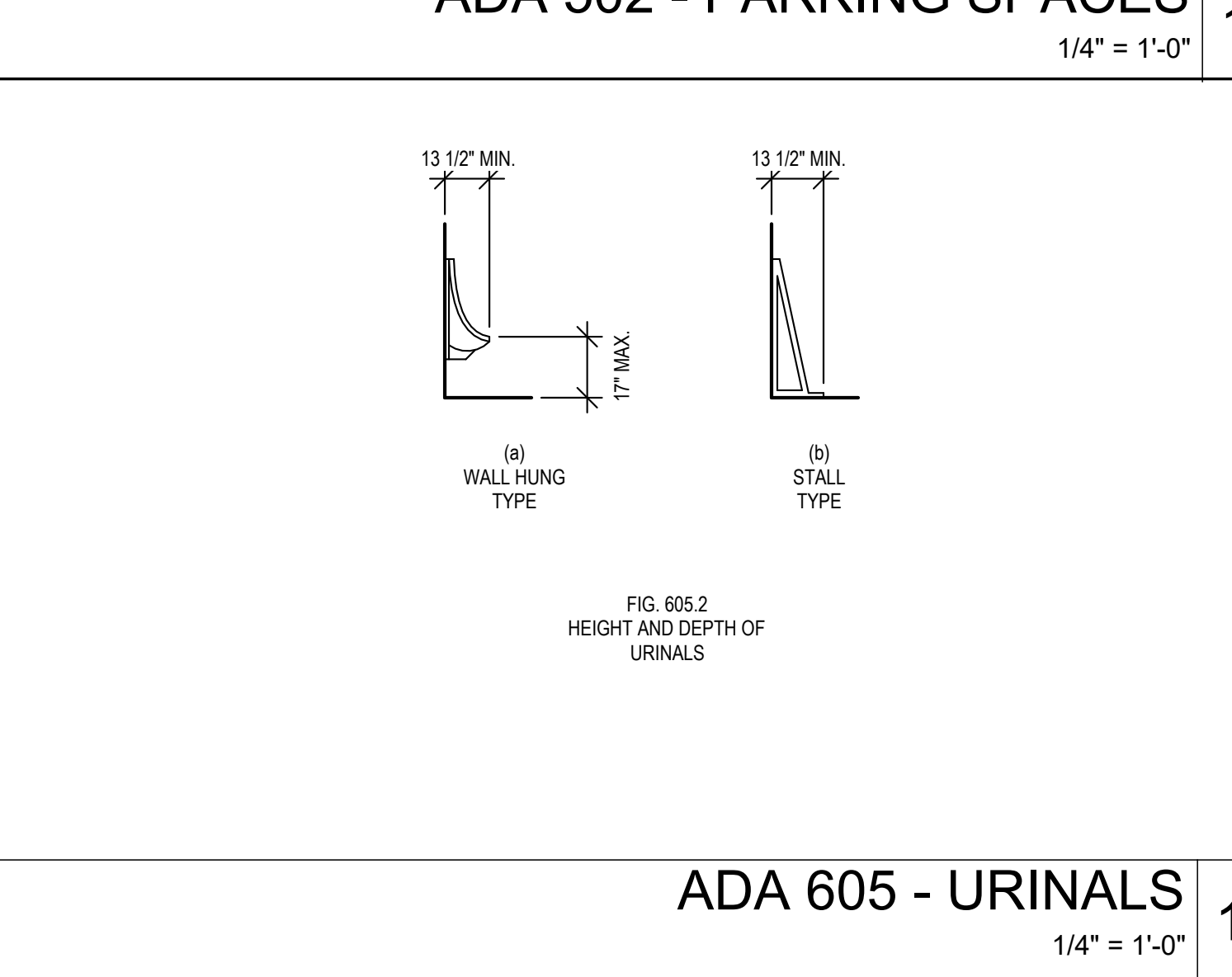
**TAS 502 - WITH NEW ACCESSIBLE PARKING REQUIREMENTS EFFECTIVE AUGUST 1ST, 2020**

**ADA 502 - PARKING SPACES** 12  
1/4" = 1'-0"



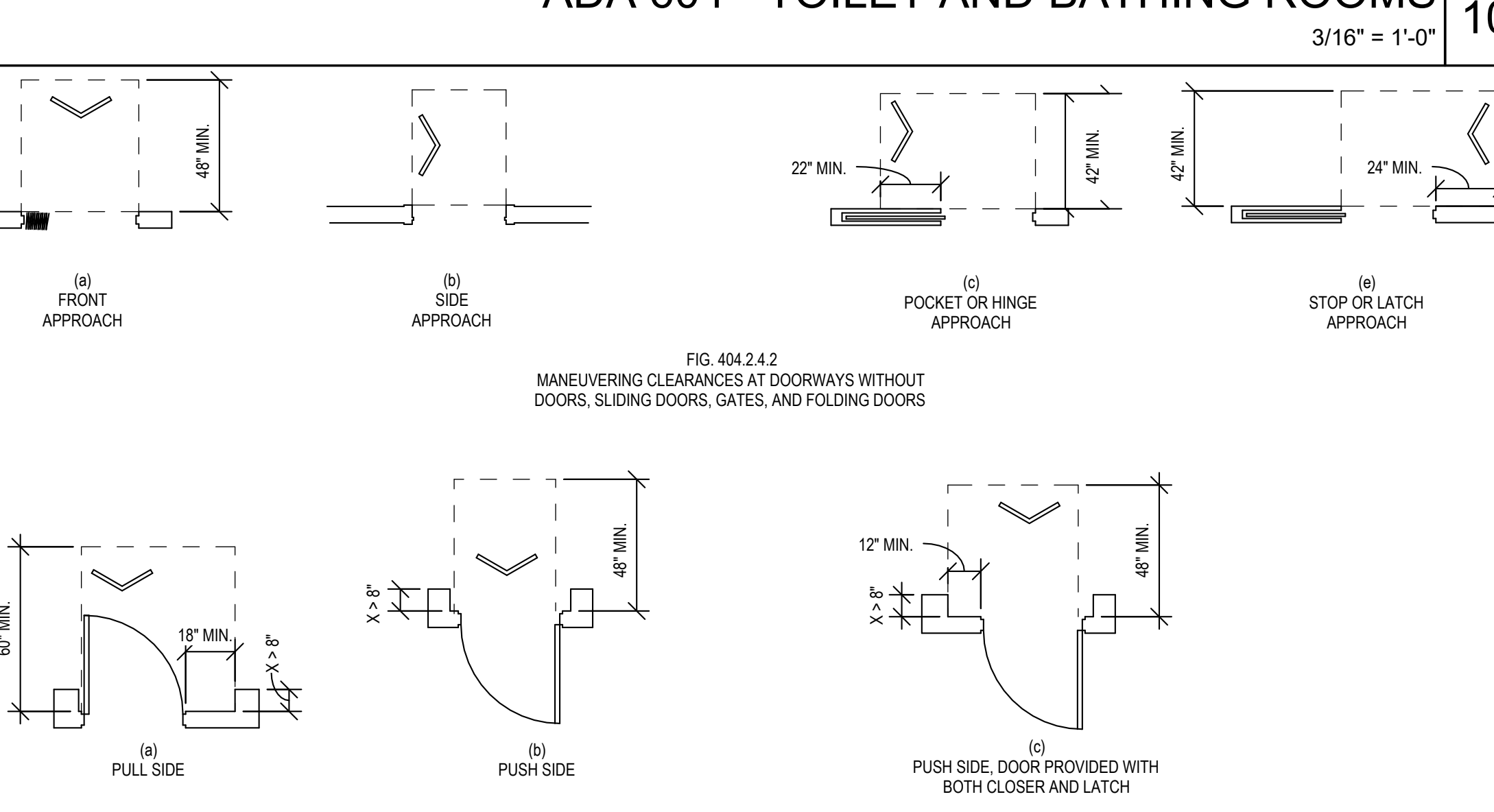
**ADA 605 - URINALS** 11  
1/4" = 1'-0"

**ADA 502 - PARKING SPACES** 12  
1/4" = 1'-0"



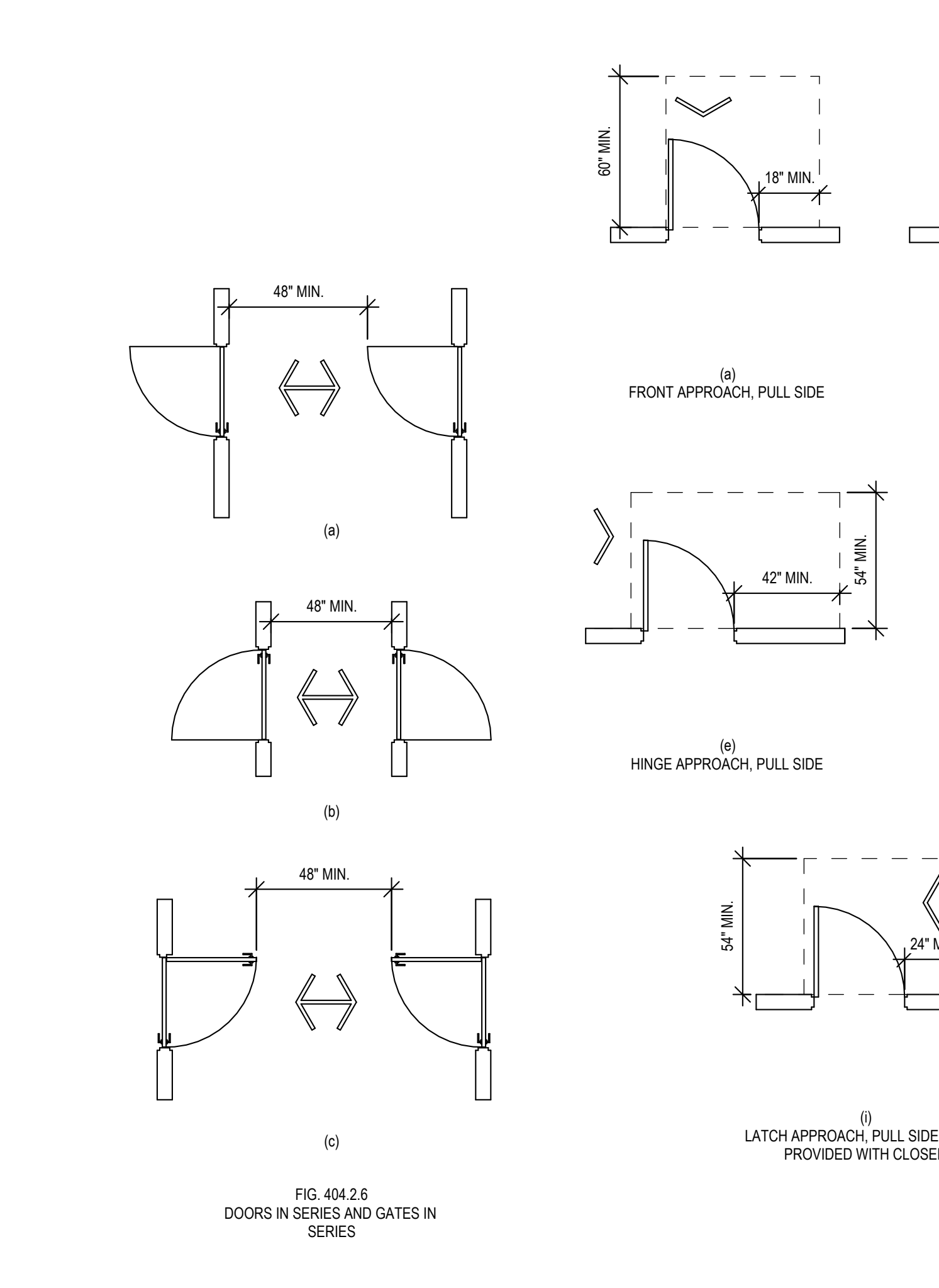
**ADA 605 - URINALS** 11  
1/4" = 1'-0"

**ADA 604 - TOILET AND BATHING ROOMS** 10  
3/16" = 1'-0"



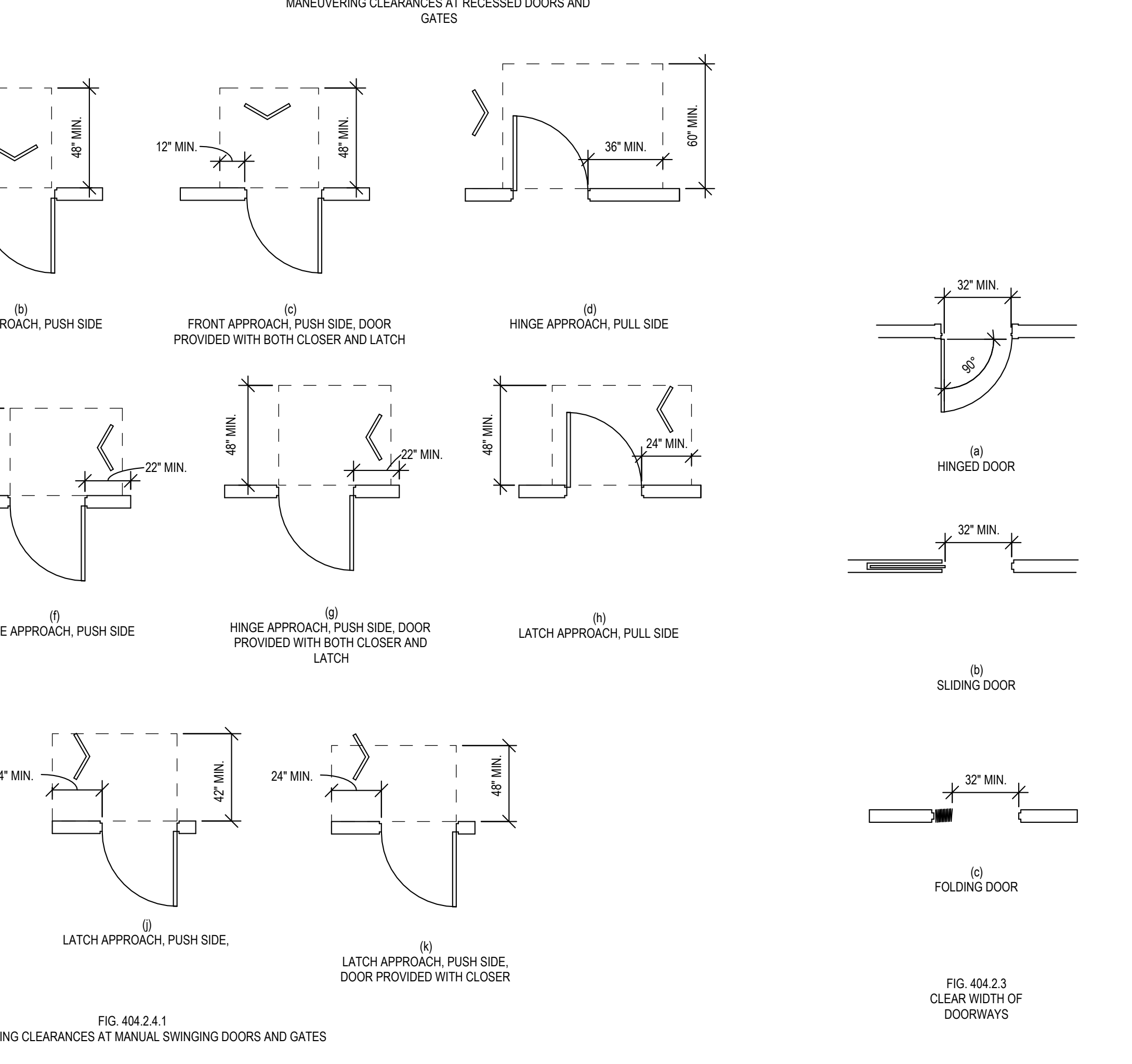
**ADA 404 - DOORS, DOORWAYS, AND GATES** 9  
1/4" = 1'-0"

**ADA 404 - DOORS, DOORWAYS, AND GATES** 9  
1/4" = 1'-0"



**ADA 305 - CLEAR FLOOR/ GROUND SPACE** 5  
1/4" = 1'-0"

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1/4" = 1'-0"

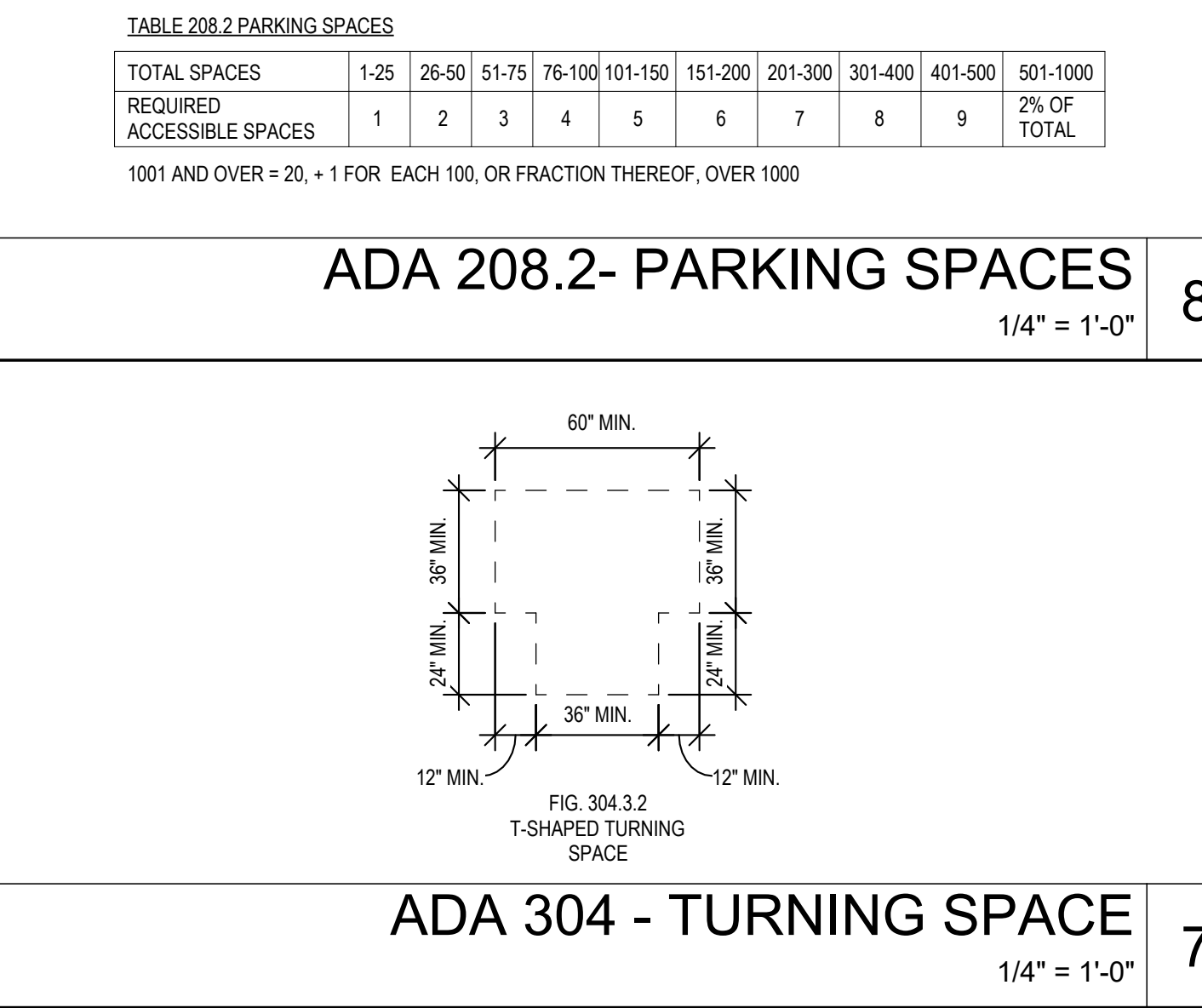


**ADA 302 - FLOOR OR GROUND SURFACES** 1  
1/4" = 1'-0"

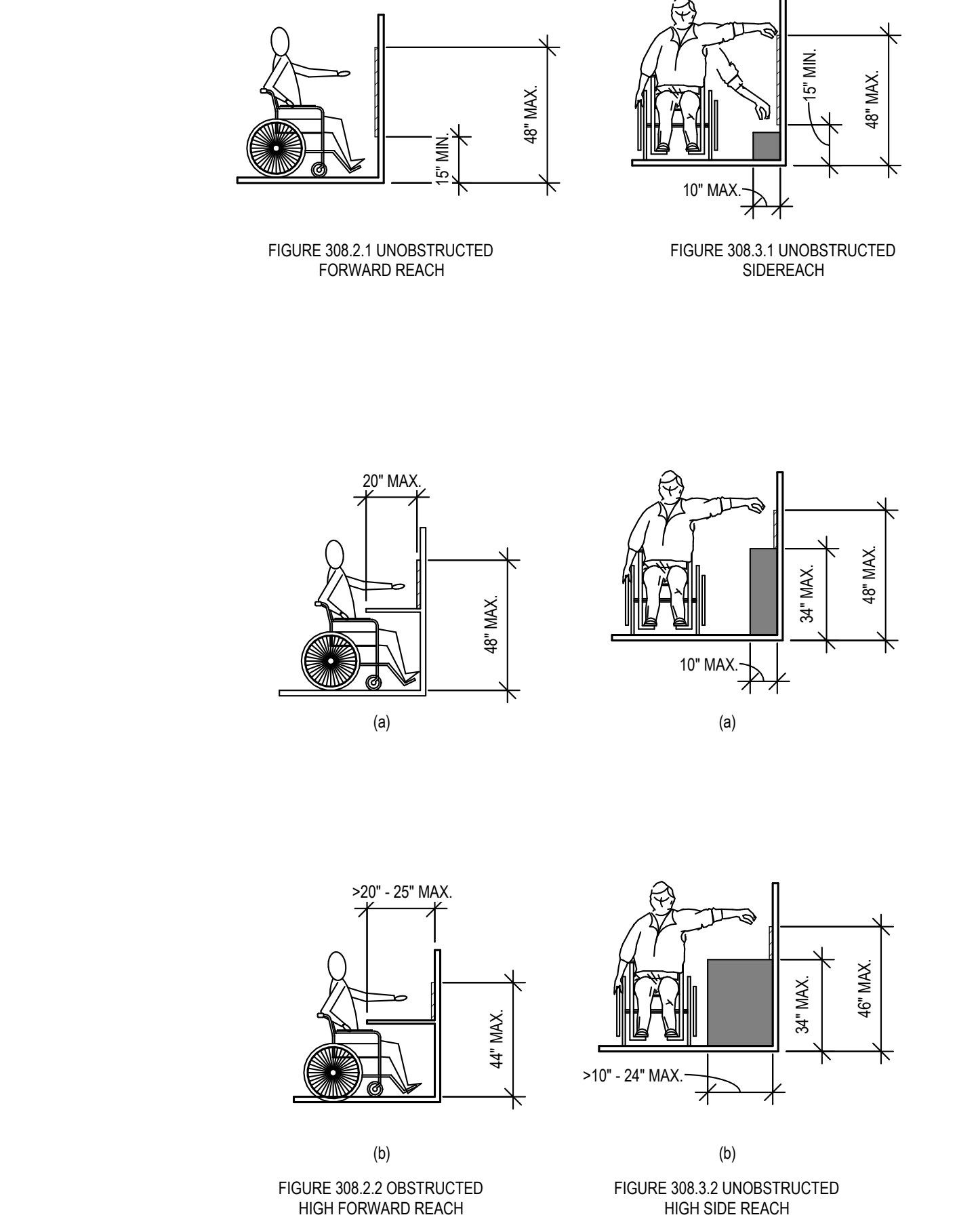
**ADA 208.2 - PARKING SPACES** 8  
1/4" = 1'-0"

TOTAL SPACES	1-25	26-50	51-75	76-100	101-150	151-200	201-300	301-400	401-500	501-1000
REQUIRED ACCESSIBLE SPACES	1	2	3	4	5	6	7	8	9	2% OF TOTAL

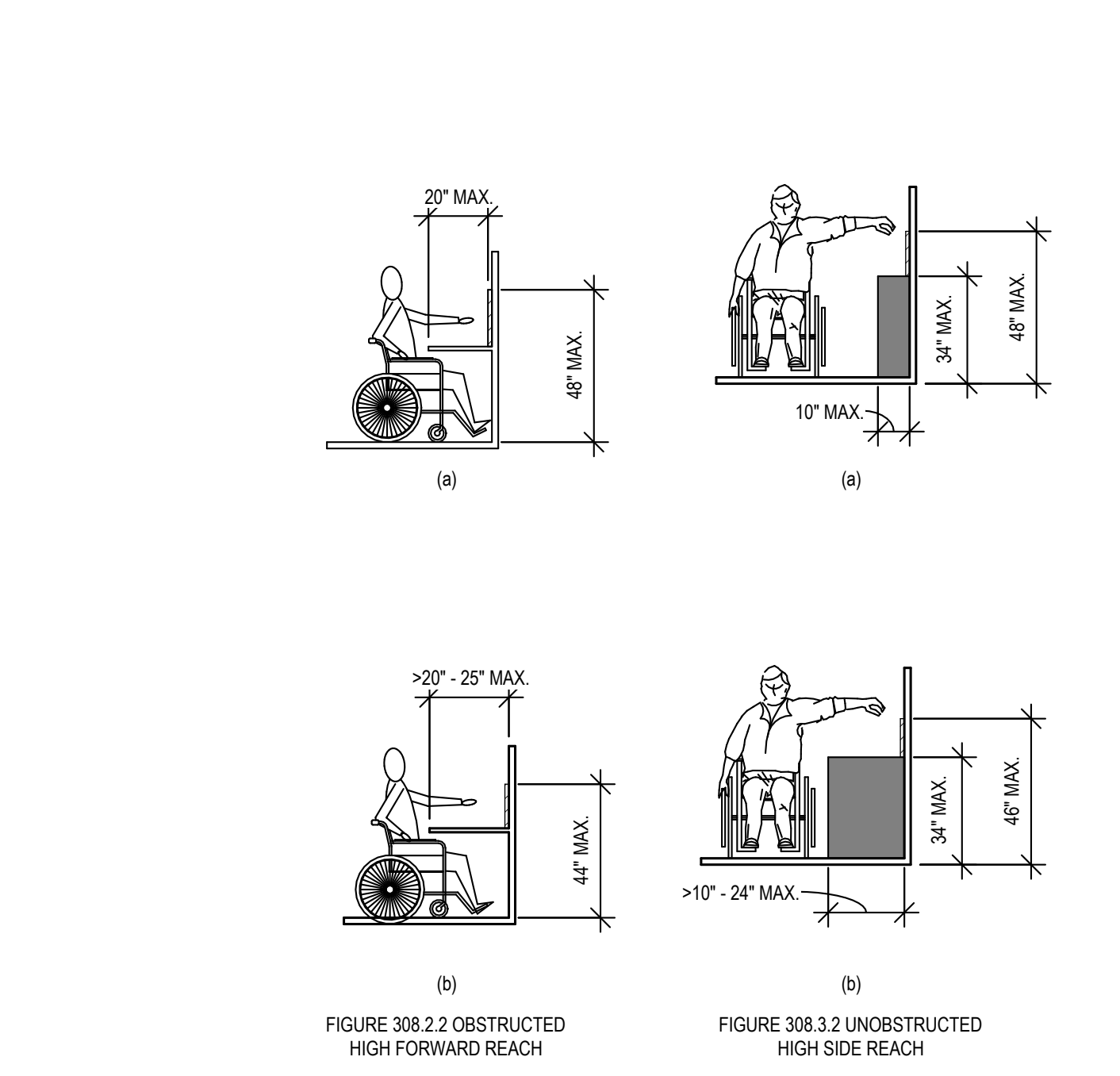
1001 AND OVER = 20 + 1 FOR EACH 100, OR FRACTION THEREOF, OVER 1000



**ADA 304 - TURNING SPACE** 7  
1/4" = 1'-0"



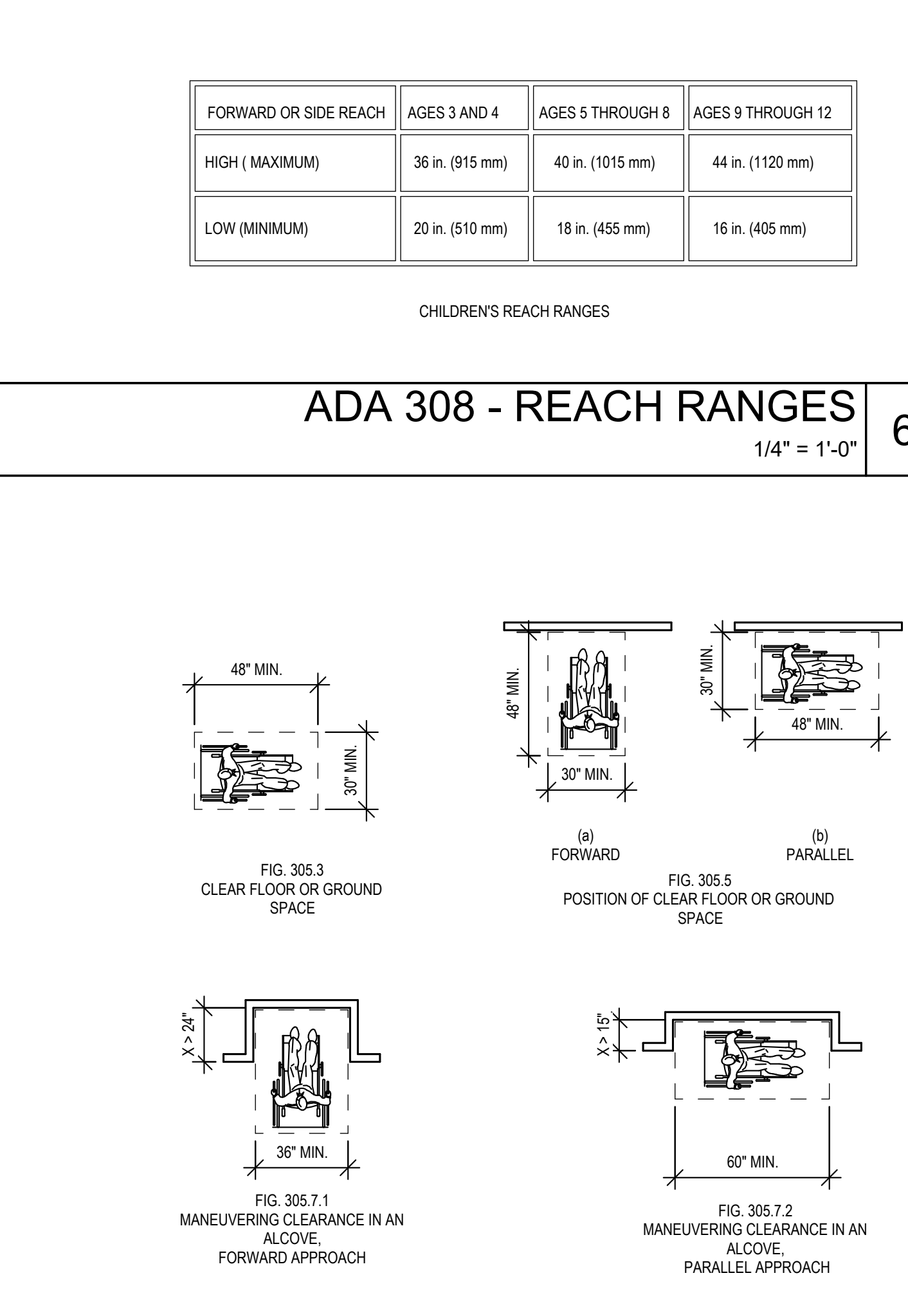
**ADA 403 - WALKING SURFACES** 3  
1/4" = 1'-0"



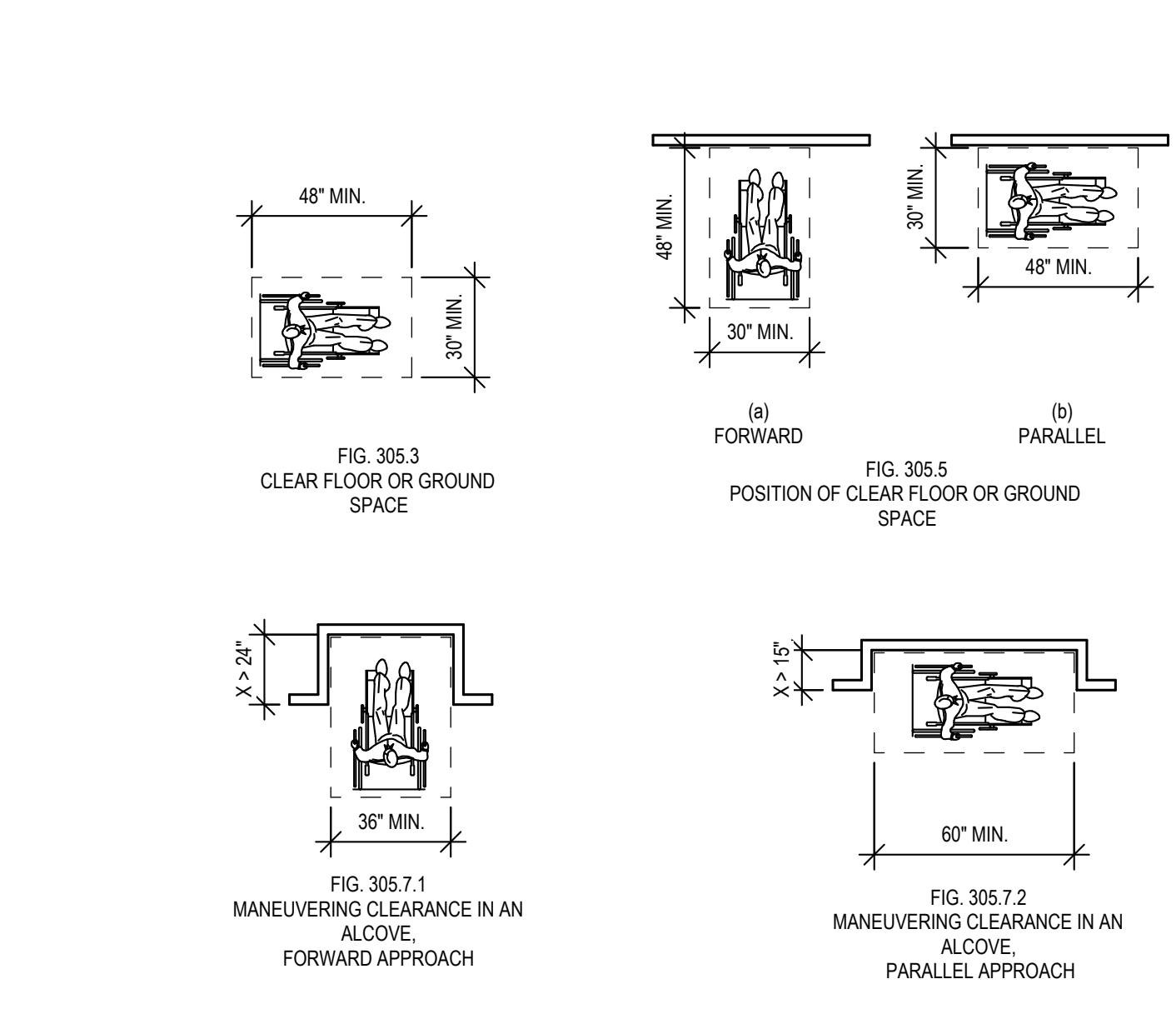
FORWARD OR SIDE REACH	AGES 3 AND 4	AGES 5 THROUGH 8	AGES 9 THROUGH 12
HIGH (MAXIMUM)	36 in. (915 mm)	40 in. (1015 mm)	44 in. (1120 mm)
LOW (MINIMUM)	20 in. (510 mm)	18 in. (455 mm)	16 in. (405 mm)

CHILDREN'S REACH RANGES

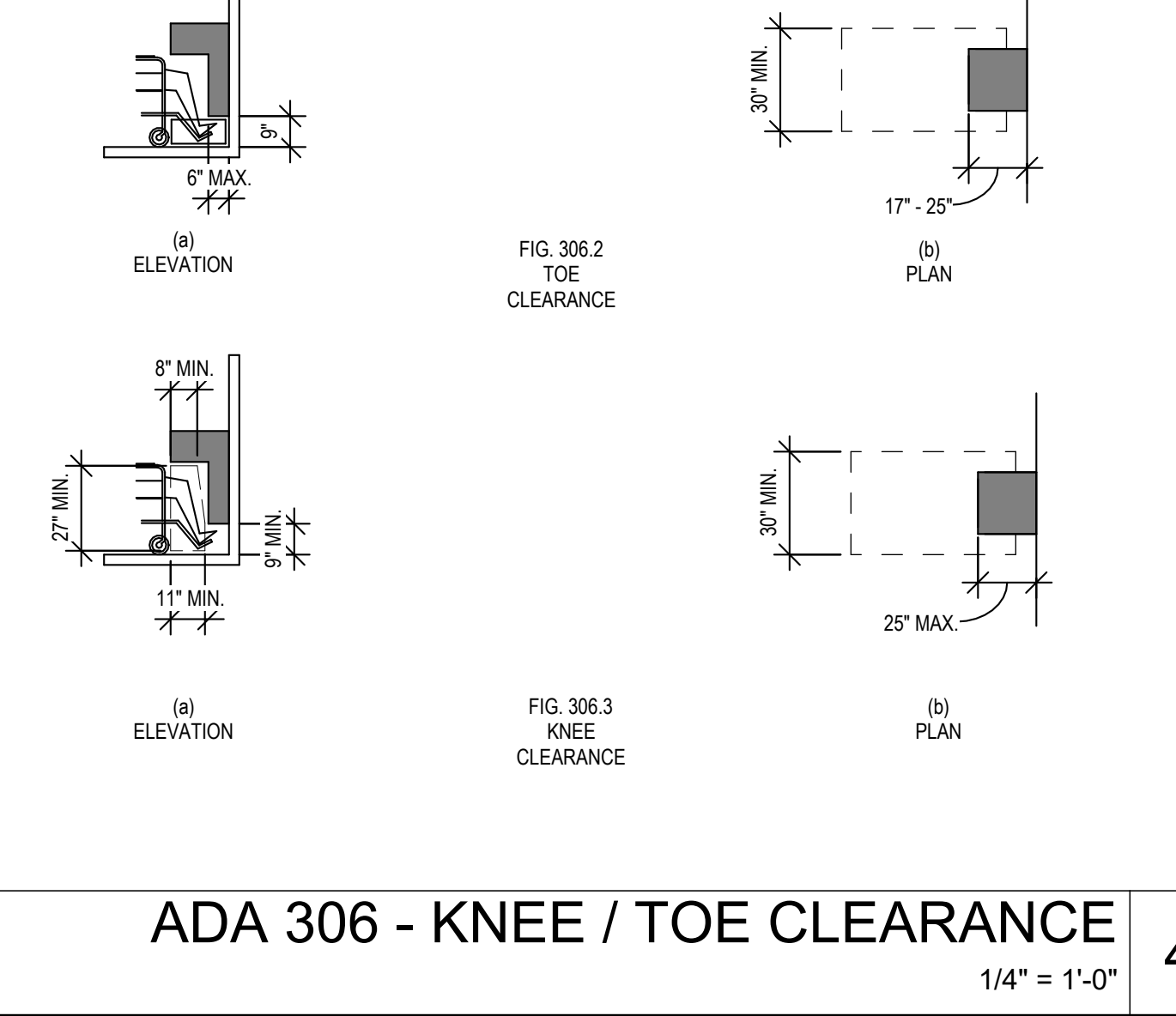
**ADA 308 - REACH RANGES** 6  
1/4" = 1'-0"



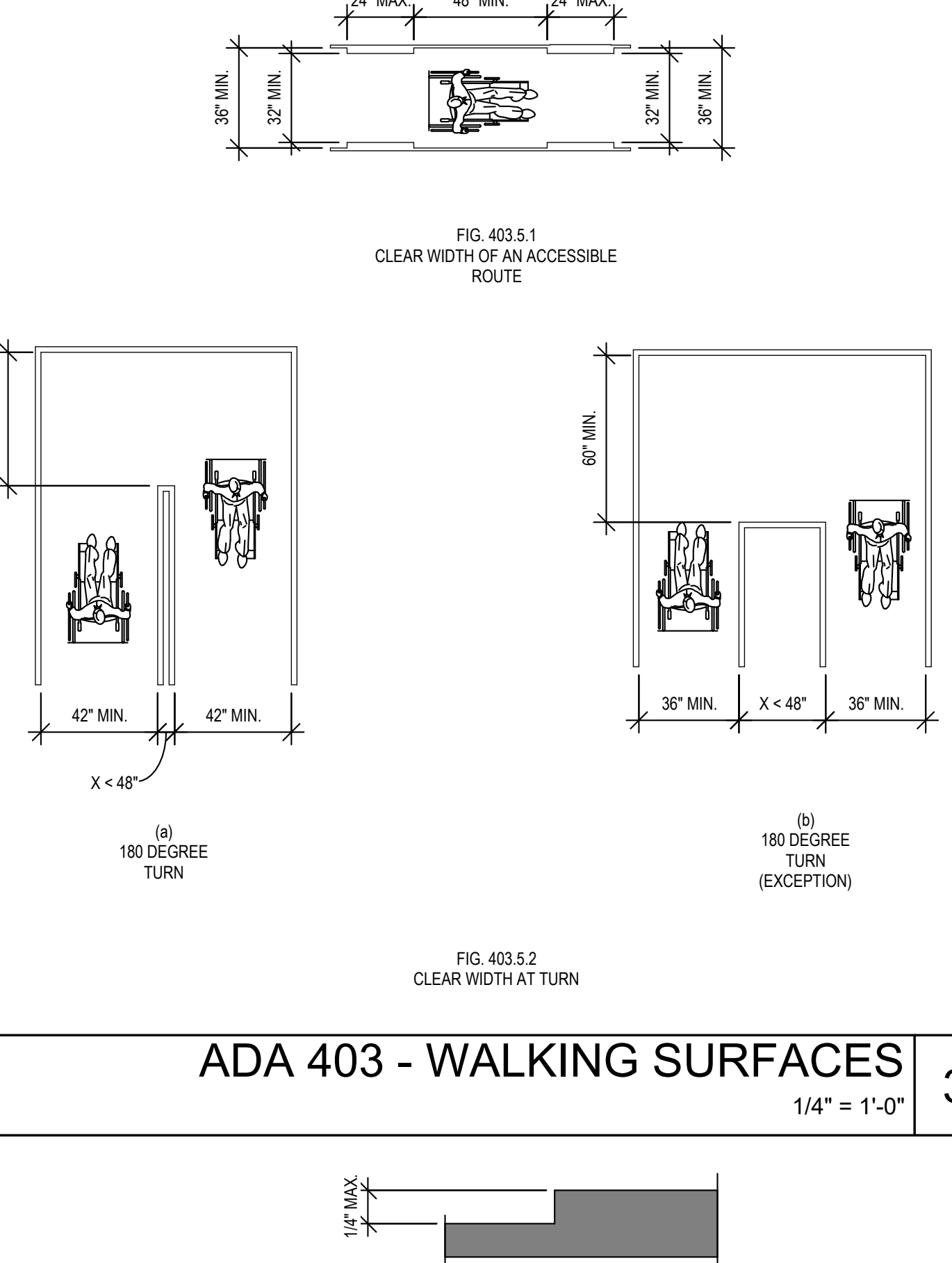
**ADA 303 - CHANGES IN LEVEL** 2  
1/4" = 1'-0"



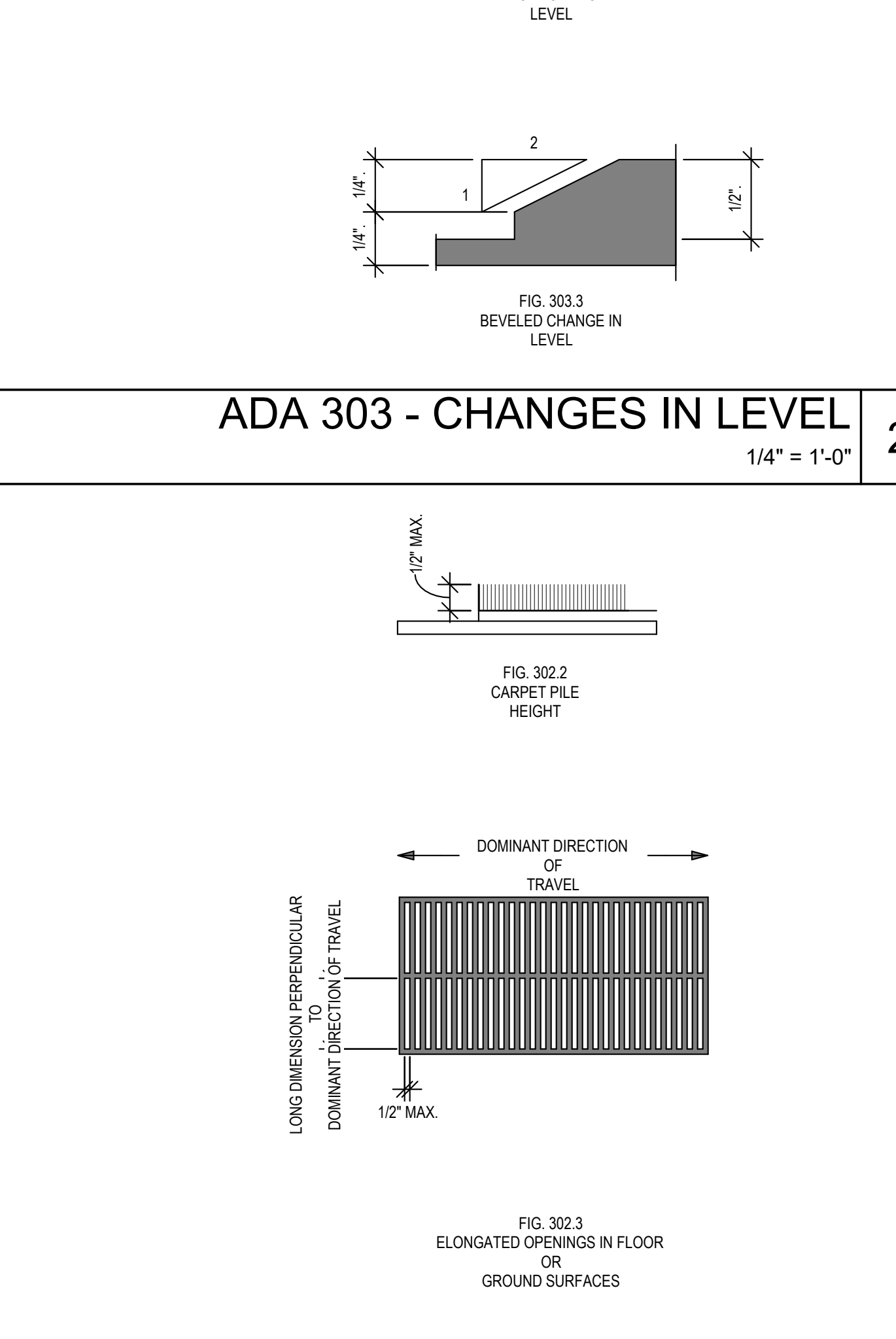
**ADA 306 - KNEE / TOE CLEARANCE** 4  
1/4" = 1'-0"



**ADA 403 - WALKING SURFACES** 3  
1/4" = 1'-0"



**ADA 303 - CHANGES IN LEVEL** 2  
1/4" = 1'-0"



**ADA 404 - DOORS, DOORWAYS, AND GATES** 9  
1/4" = 1'-0"

**ADA 305 - CLEAR FLOOR/ GROUND SPACE** 5  
1/4" = 1'-0"

**ADA 302 - FLOOR OR GROUND SURFACES** 1  
1/4" = 1'-0"

# HARMONY SCHOOL OF EXPLORATION EXPANSION INTERIOR RENOVATION

GENERAL INFORMATION	
PROJECT NAME	HARMONY SCHOOL OF EXPLORATION EXPANSION INTERIOR...
PROJECT ADDRESS	9305 W. SAM HOUSTON PKWY S.
OWNER	HARMONY PUBLIC SCHOOLS
AUTHORITY HAVING...	STATE OF TEXAS / HARRIS COUNTY
LAND LEGAL DESCRIPTION	LOCATED WITHIN THE UNIVERSITY ACRES SUBDIVISION RES A1 BLK 1
SCOPE OF WORK	RENOVATIONS INCLUDE: • NEW CLASSROOMS • CONVERT EXISTING RESTROOMS TO BE ADA COMPLIANT FOR CHILDREN • PROVIDING ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND STRUCTURAL ENGINEERING ASSOCIATED

BUILDING DATA				
BUILDING FEATURE	DATA	CODE REF		
TYPE OF CONSTRUCTION	II-B	IBC Table 601		
OCCUPANCY GROUPS	Education Group E A-3, B, S-1 Assembly, Offices, Storage	IBC 310.2		
AUTOMATIC SPRINKLER SYSTEM	FULLY-SPRINKLERED w/ NFPA 13	IBC §903.2.8		
STANDPIPES	Required	IBC §905.3.1		
BUILDING HEIGHT	1 Story Building	IBC Chapter 5		
GROSS BUILDING AREA (SF)	26,512 SF			
BUILDING AREA PER FLOOR	Level	EXISTING	NEW	SUBTOTAL
	1st Floor	26,512 SF	3,379 SF	26,512 SF

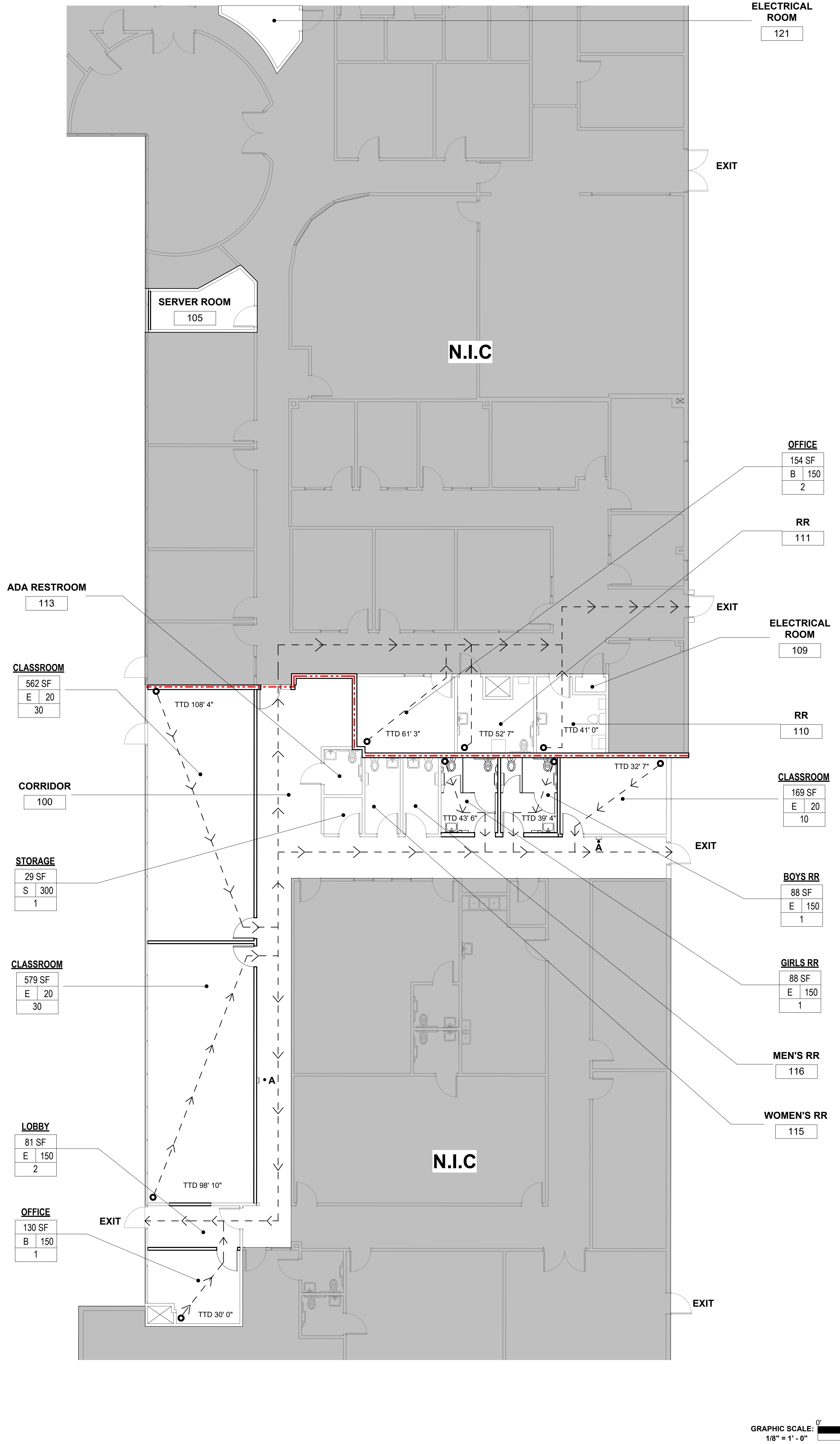
LIFE SAFETY EGRESS REQUIREMENTS			
OCCUPANT LOADS			CODE REF
OCCUPANT LOAD FACTORS	IBC: 20 net (Group E), 50 net (Group A-3) 150 gross (Group B), 300 gross (Group S)		IBC Table 1004.5
EGRESS CAPACITY	Stairways: Other:	0.3"/OCC 0.2"/OCC	IBC §1005
PATH OF TRAVEL	CRITERIA	LIMIT	CODE REF
ACCESSIBLE MEANS OF EGRESS	YES	YES	IBC §1009
COMMON PATH OF TRAVEL	With 70% Sprinkler System	75' (Group A), - 100' (Group B) - 100' (Group S)	IBC §1006.2.1
EXIT ACCESS TRAVEL DISTANCE	With 70% Sprinkler System	250' (Group A), 300' (Group B)	IBC §1017.2
DEAD END CORRIDOR LIMIT	With 70% Sprinkler System	50'	IBC §1020.4
CORRIDOR WIDTH MINIMUM	OCC LOAD < 50 OCC LOAD ≥ 50	36" 44"	IBC §1020.2
EXIT & EXIT ACCESS DOOR CONFIGURATION	CRITERIA	LIMIT	CODE REF
EXITS REQUIRED FROM A SPACE	0 < OL < 50; 50 < OL < 499; 2	NA	IBC §1006
EXITS REQUIRED FROM A FLOOR	1 < OL < 499; 2	NA	IBC §1006
EXIT / EXIT ACCESS SEPARATION DISTANCE	1/3 THE DIAGONAL (With Sprinkler System)	< 1/3	IBC §1007
EXIT ENCLOSURES AND EXIT...	CRITERIA	LIMIT	CODE REF

DESIGN CODE COMPLIANCE	
THE FOLLOWING CODE REVIEW NARRATIVE IS PROVIDED TO SERVE AS A BASIS OF UNDERSTANDING FOR THE DEVELOPMENT OF THE DESIGN, DRAWINGS AND SPECIFICATIONS FOR CONSTRUCTION.	
CITY / COUNTY	2021 International Building Code (with Houston Amendments)
BUILDING CODE	2021 International Fire Code (with Houston Amendments)
FIRE CODE	2021 International Fire Code (with Houston Amendments)
MECHANICAL CODE	2021 Uniform Mechanical Code (with Houston Amendments)
PLUMBING CODE	2021 Uniform Plumbing Code (with Houston Amendments)
EXISTING BUILDING CODE	2021 International Existing Building Code (with Houston Amendments)
ELECTRICAL CODE	2023 National Electrical Code (State Mandated)
ENERGY CODE	2021 International Energy Conservation Code (with Houston Amendments)
	ASHRAE 90.1-2019 (with Houston Amendments)
	2021 Code Words
	Sign Code (Chapter 46 of the Houston Building Code)
NFPA 220	Standard on Types of Building Construction, 2012 Edition
	STATE / FEDERAL
ACCESSIBILITY	2012 Texas Accessibility Standards (2012 TAS)

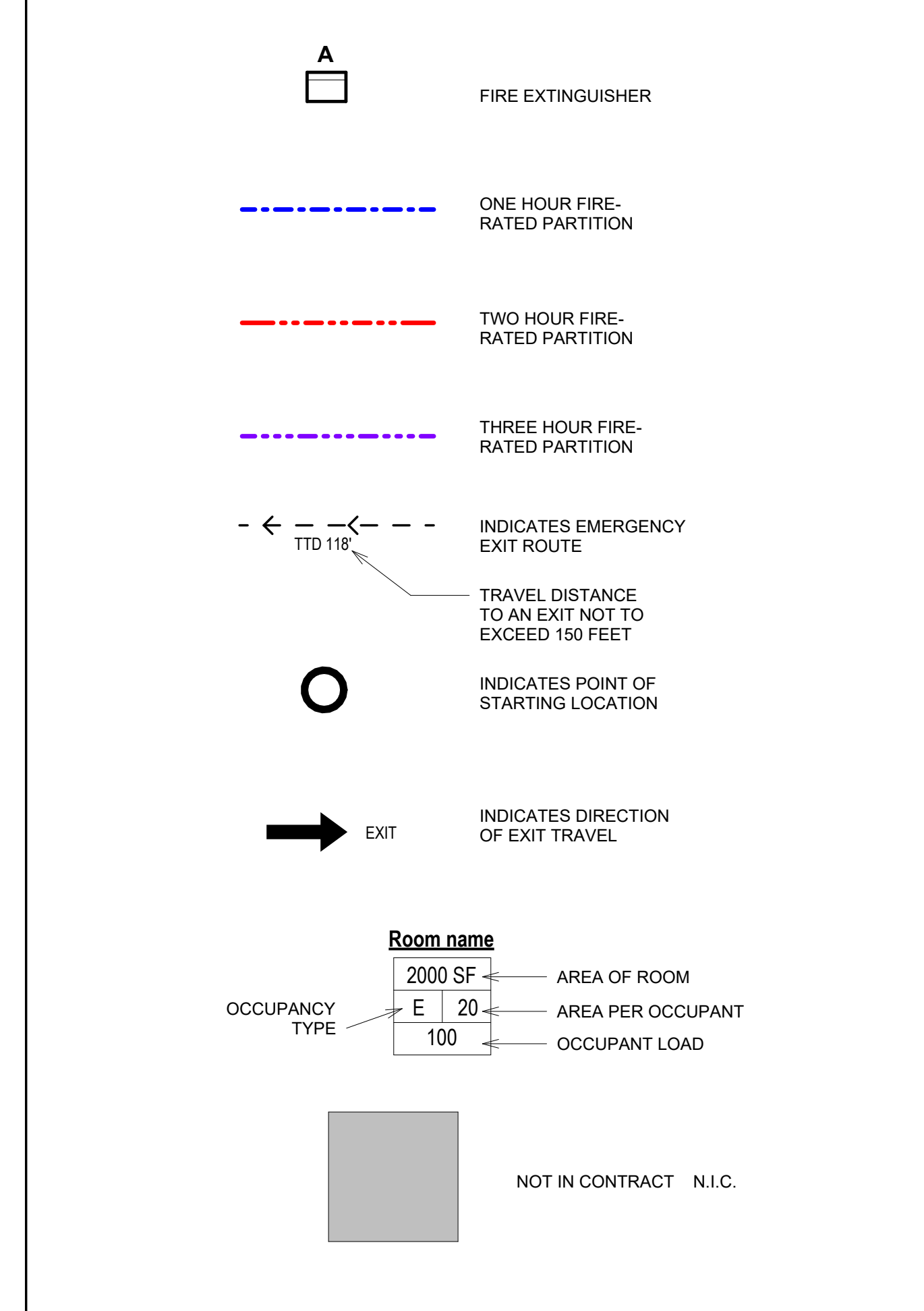
FIRE-RESISTANCE-RATING OF STRUCTURE			
BUILDING FEATURE	Educational Group "E" occupancy includes, among others, the use of a building or structure, or a portion thereof, by six or more persons at any one time for educational purposes through the 8th grade.		CODE REF
CONSTRUCTION TYPE	II-B		IBC Table 601
BUILDING ELEMENT	PRIMARY STRUCTURAL FRAME	0-HOUR	IBC Table 601
	BEARING WALLS	EXTERIOR	0-HOUR
		INTERIOR	0-HOUR
	NONBEARING WALLS	EXTERIOR	0-HOUR
INTERIOR		0-HOUR	
		FLOOR ASSEMBLY	0-HOUR
	ROOF ASSEMBLY	0-HOUR	

PHASE I : FLOOR PLAN OCCUPANCY (EXISTING)					
OCCUPANCY CLASSIFICATION	AREA	P/SF	GSF/NSF (FIXED)	OCC LOAD	AREA COUNT
E, Education	795 SF	20	NSF	40	2
NON - EXISTING					
A-2, Assembly					
B, Business	445 SF	150	NSF	29	5
S-1, Storage	29 SF	300	NSF	1	1

PHASE II : FLOOR PLAN OCCUPANCY (PROVIDED)					
OCCUPANCY CLASSIFICATION	AREA	P/SF	GSF/NSF (FIXED)	OCC LOAD	AREA COUNT
E, Education	1,310 SF	20	NSF	70	3
B, Business	284 SF	150	NSF	3	2
S-1, Storage	29 SF	300	NSF	1	1



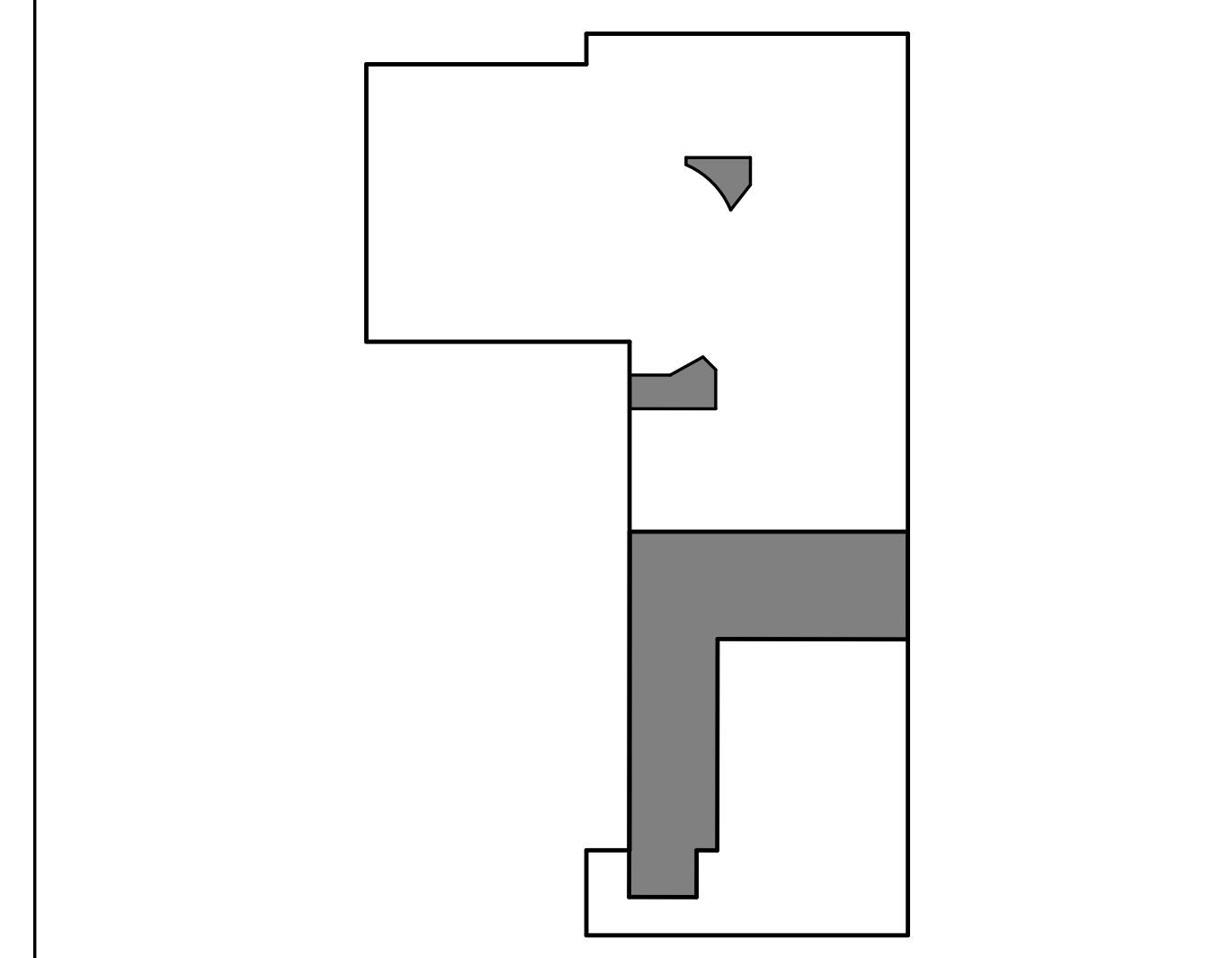
PLUMBING FIXTURE COUNT			
OCCUPANCY E	Water Closets	Lavatories	Drinking Fountain
REQUIRED	4	4	2
EXISTING	9	7	2



### CODE ANALYSIS LEGEND

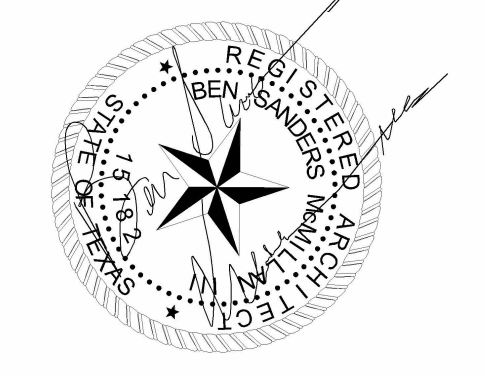
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### GENERAL NOTES



16650 GREENBRIAR PLAZA DR  
HOUSTON, TEXAS 77060

PH: 832-448-2462  
FAX: 832-448-2466  
Project No: 4014-21



CONSULTANTS:  
MEP ENGINEER:  
ACNS ENGINEERING

ADDRESS: 4 BEAUREGARD BLVD.  
CHARLES TOWN, WV, 25414

3/17/2026

# HARMONY SCHOOL OF EXPLORATION EXPANSION INTERIOR RENOVATIONS PHASE ONE

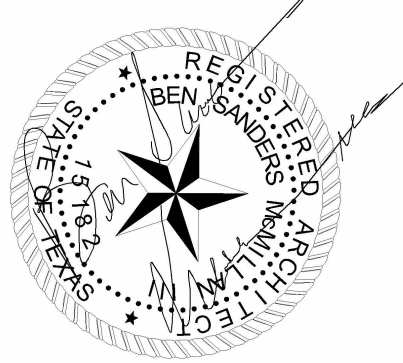
9303 W Sam Houston Pkwy S,  
Houston, TX 77099

Drawing Date: 03/17/2026  
Drawn: DS  
Checked: BM  
Scale: As indicated

REVISIONS	DESCRIPTION
ISSUE FOR PERMIT	03-17-2026

### CODE ANALYSIS & LIFE SAFETY PLAN

**G003**



03/17/2026

CONSULTANTS:

**MEP ENGINEER:**  
ACNS ENGINEERING

ADDRESS: 4 BEAUREGARD BLVD.  
CHARLES TOWN, WV, 25414

# HARMONY SCHOOL OF EXPLORATION INTERIOR RENOVATIONS PHASE ONE

9303 W Sam Houston Pkwy S,  
Houston, TX 77099

Drawing Date: 03/17/2026

Drawn: KS

Checked: BM

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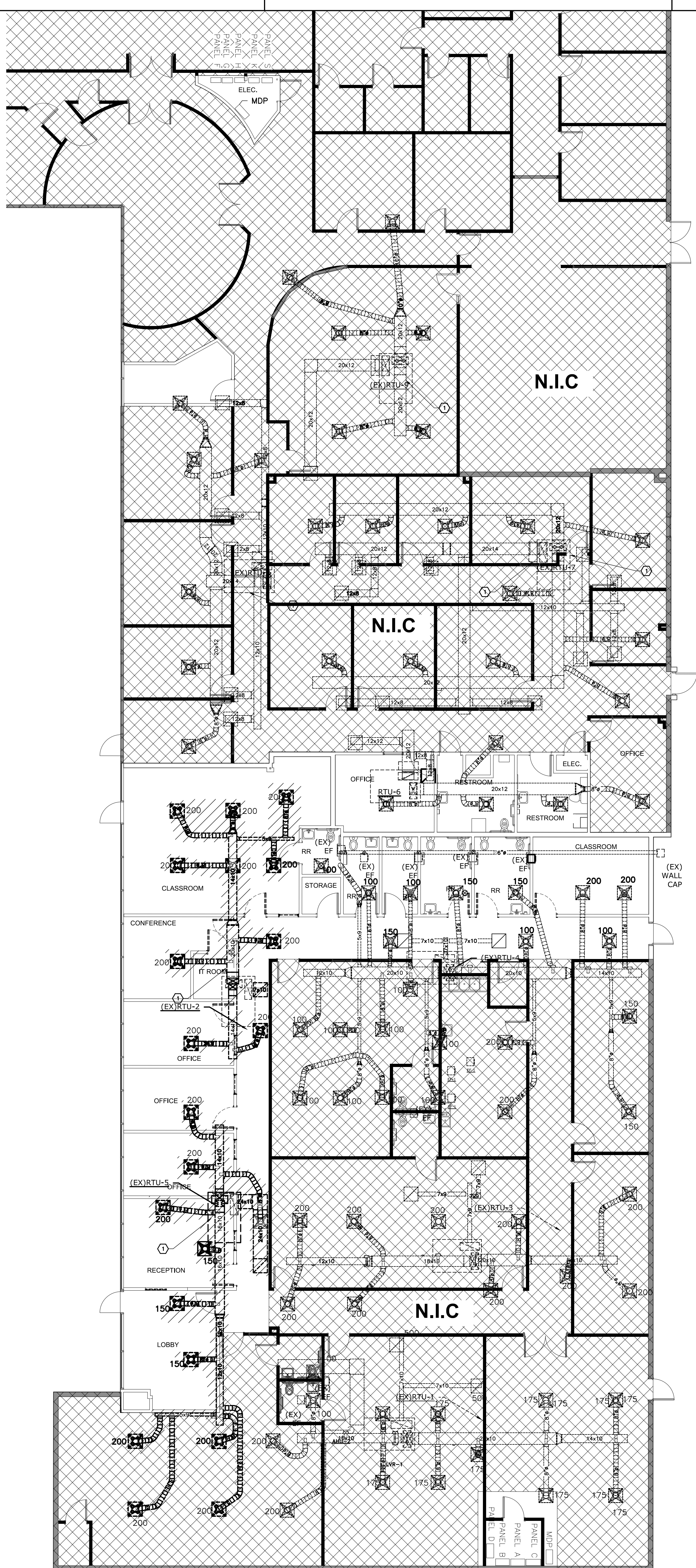
## TECHNOLOGY PLAN

**T200**

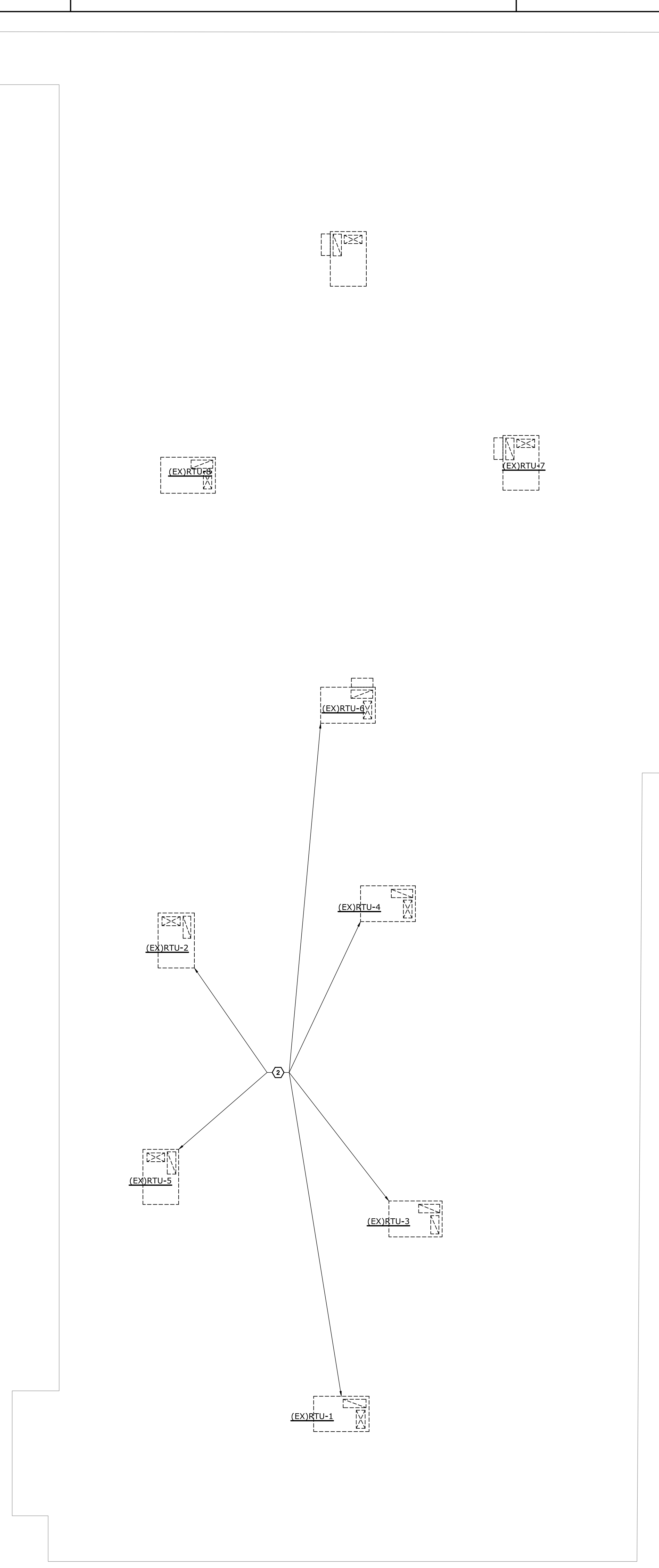


PHASE ONE TECHNOLOGY FLOOR PLAN 1  
1/8" = 1'-0"

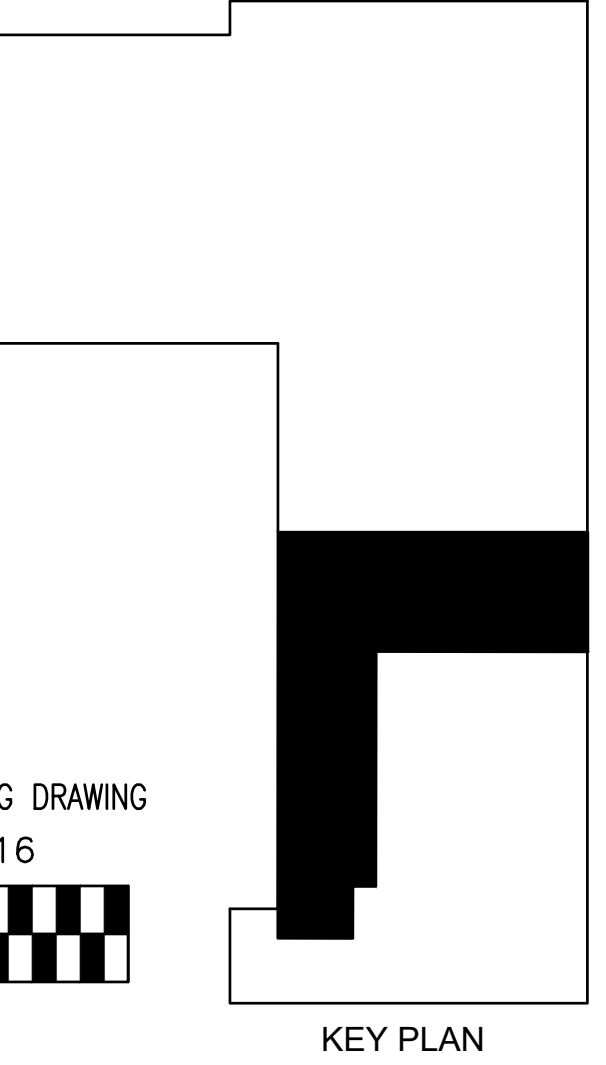
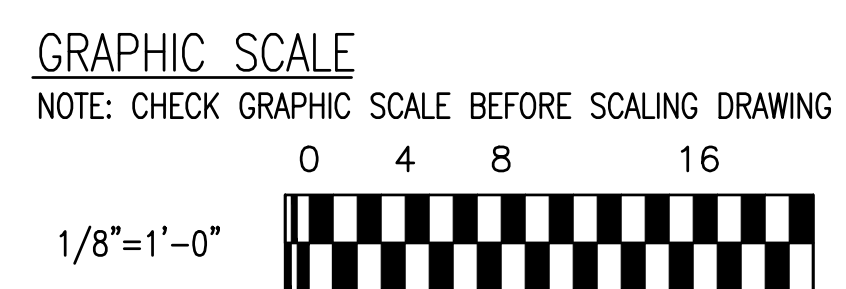
AREA MAP



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



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



**GENERAL NOTES**

- FOR MECHANICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. M-001.
- SEE STRUCTURAL DRAWINGS FOR REINFORCED AREA FOR MOUNTING OF FUTURE MECHANICAL EQUIPMENT.

**PLAN NOTES**

- REMOVE DUCTWORK BACK TO ROOFTOP UNIT CONNECTION TO ROOF. PREPARE CONNECTIONS FOR NEW DUCTWORK CONFIGURATION.
- ALL ROOFTOP UNITS ARE EXISTING AND TO REMAIN IN PLACE. NO NEW ROOF MOUNTED COOLING UNITS ARE INCLUDED IN THE WORK.



*C. Jay Modell* 03/17/2026

CONSULTANTS:  
**MEP ENGINEER:**  
ACNS ENGINEERING  
ADDRESS: 4 BEAUREGARD BLVD.  
CHARLES TOWN, WV, 25414

# HARMONY SCHOOL OF EXPLORATION EXPANSION INTERIOR RENOVATIONS PHASE ONE

9303 W Sam Houston Pkwy S,  
Houston, TX 77099

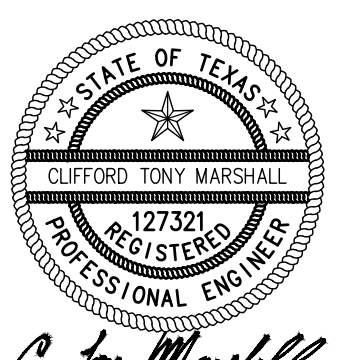
Drawing Date: 03/17/2026  
Drawn: EC  
Checked: CTM  
Scale:

Revisions:

DESCRIPTION	
ISSUE FOR PERMIT	03-17-2026

FLOOR AND ROOF PLAN -  
DEMOLITION MECHANICAL





*C. Tony Marshall*

03/17/2026

CONSULTANTS:

**MEP ENGINEER:**  
ACNS ENGINEERING

ADDRESS: 4 BEAUREGARD BLVD.  
CHARLES TOWN, WV, 25414

**VENTILATION SCHEDULE - (EX) RTU-2**

ROOM NUMBER & NAME	OCCUPANCY CATEGORY	AREA (FT <sup>2</sup> ) (Az)	AREA OUTDOOR AIR RATE PER UMC 2012, TABLE 402.1 (Ra) (CFM/FT <sup>2</sup> )	AREA OUTDOOR AIR (RZXAZ) (CFM)	LOAD RATE1 PER UMC 2012, TABLE 402.1 (PEOPLE/1000 FT <sup>2</sup> )	OCCUPANCY C x F/1000 (PZ)	OCCUPANT OUTDOOR AIR RATE PE UMC 2012, TABLE 402.1 (Rp) CFM/PERSON	OCCUPANT OUTDOOR AIR (RpPz)	BREATHING ZONE OUTDOOR AIR FLOW V= RpPe+RaAz (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)	ZONE OUTDOOR AIR FLOWz (Voz=VbzE) (CFM)
SSSSS											
103 CLASSROOM	DAYCARE (AGES 0-4)	552	0.18	99.4	27	0	10.0	270.0	369.4	0.8	461.7
TOTAL											461.7

**VENTILATION SCHEDULE - RTU-5**

ROOM NUMBER & NAME	OCCUPANCY CATEGORY	AREA (FT <sup>2</sup> ) (Az)	AREA OUTDOOR AIR RATE PER UMC 2012, TABLE 402.1 (Ra) (CFM/FT <sup>2</sup> )	AREA OUTDOOR AIR (RZXAZ) (CFM)	LOAD RATE1 PER UMC 2012, TABLE 402.1 (PEOPLE/1000 FT <sup>2</sup> )	OCCUPANCY C x F/1000 (PZ)	OCCUPANT OUTDOOR AIR RATE PER UMC 2012, TABLE 402.1 (Rp) CFM/PERSON	OCCUPANT OUTDOOR AIR (RpPz)	BREATHING ZONE OUTDOOR AIR FLOW V= RpPe+RaAz (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)	ZONE OUTDOOR AIR FLOWz (Voz=VbzE) (CFM)
102 CLASSROOM	DAY CARE (0-4)	572	0.18	103	25	0	10	250.0	353	0.8	441
100 LOBBY	MAIN ENTRY	80	0.06	4.8	0	0	0.0	0.0	4.8	0.8	6.0
101 OFFICE	OFFICE	129	0.06	8	5	0	1	3.2	11.0	0.8	13.7
TOTAL											460.9

**VENTILATION SCHEDULE - (EX)RTU-6**

ROOM NUMBER & NAME	OCCUPANCY CATEGORY	AREA (FT <sup>2</sup> ) (Az)	AREA OUTDOOR AIR RATE PER UMC 2012, TABLE 402.1 (Ra) (CFM/FT <sup>2</sup> )	AREA OUTDOOR AIR (RZXAZ) (CFM)	LOAD RATE1 PER UMC 2012, TABLE 402.1 (PEOPLE/1000 FT <sup>2</sup> )	OCCUPANCY C x F/1000 (PZ)	OCCUPANT OUTDOOR AIR RATE PE UMC 2012, TABLE 402.1 (Rp) CFM/PERSON	OCCUPANT OUTDOOR AIR (RpPz)	BREATHING ZONE OUTDOOR AIR FLOW V= RpPe+RaAz (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)	ZONE OUTDOOR AIR FLOWz (Voz=VbzE) (CFM)
112 OFFICE	OFFICE	154	0.18	28	25	0	4	96.3	124	0.8	155
111 RESTROOM	RESTROOM	121	0.06	7.3	—	0	0.0	0	0	0.8	0.0
110 RESTROOM	RESTROOM	97	0.06	5.8	—	0	0.0	0	0	0.8	0.0
TOTAL											155.0

**BUILDING AIR BALANCE SCHEDULE**

UNIT	LOCATION	SUPPLY AIRFLOW (CFM)	RETURN AIR FLOW (CFM)	OUTSIDE AIR AIRFLOW (CFM)	EXHAUST AIRFLOW (CFM)	BUILDING PRESSURE (CFM)
(EX)RTU-2	ROOF	2,000	1,490	510	0	510
(EX)RTU-5	ROOF	2,000	1,540	460	0	460
(EX)RTU-6	ROOF	1,200	1,045	155	0	155
(EX)RTU-7	ROOF	1,200	970	230	0	230
(EX)RTU-8	ROOF	2,000	1,450	550	0	550
(EX)RTU-9	ROOF	2,000	1,030	970	0	970
EXISTING EXHAUST	CEILING	--	--	--	450	-450
EF-1	INLINE				150	-150
EF-2	CEILING				75	-75
LVR-1	WALL				200	-300
LVR-2	WALL				200	-300
LVR-3	WALL				200	-300
LVR-4	WALL				200	-300
TOTALS		6,400		2875	1,075	1000.0
	BUILDING PRESSURE					1800.0

**HARMONY SCHOOL OF EXPLORATION EXPANSION INTERIOR RENOVATIONS PHASE ONE**

9303 W Sam Houston Pkwy S,  
Houston, TX 77099

Drawing Date: 03/17/2026

Drawn: EC

Checked: CTM

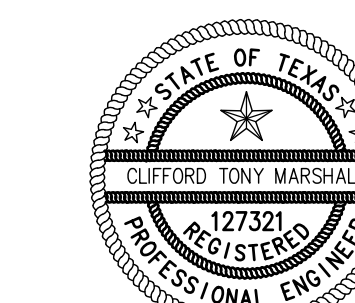
Scale:

Revisions:

DESCRIPTION	
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SCHEDULES SHEET 1 -  
MECHANICAL

**M-002**



C. Jay Maddell

03/17/2026

CONSULTANTS:

MEP ENGINEER:  
ACNS ENGINEERING

ADDRESS: 4 BEAUREGARD BLVD.  
CHARLES TOWN, WV, 25414

# HARMONY SCHOOL OF EXPLORATION INTERIOR RENOVATIONS PHASE ONE

9303 W Sam Houston Pkwy S,  
Houston, TX 77099

Drawing Date: 03/17/2026

Drawn: EC

Checked: CTM

Scale:

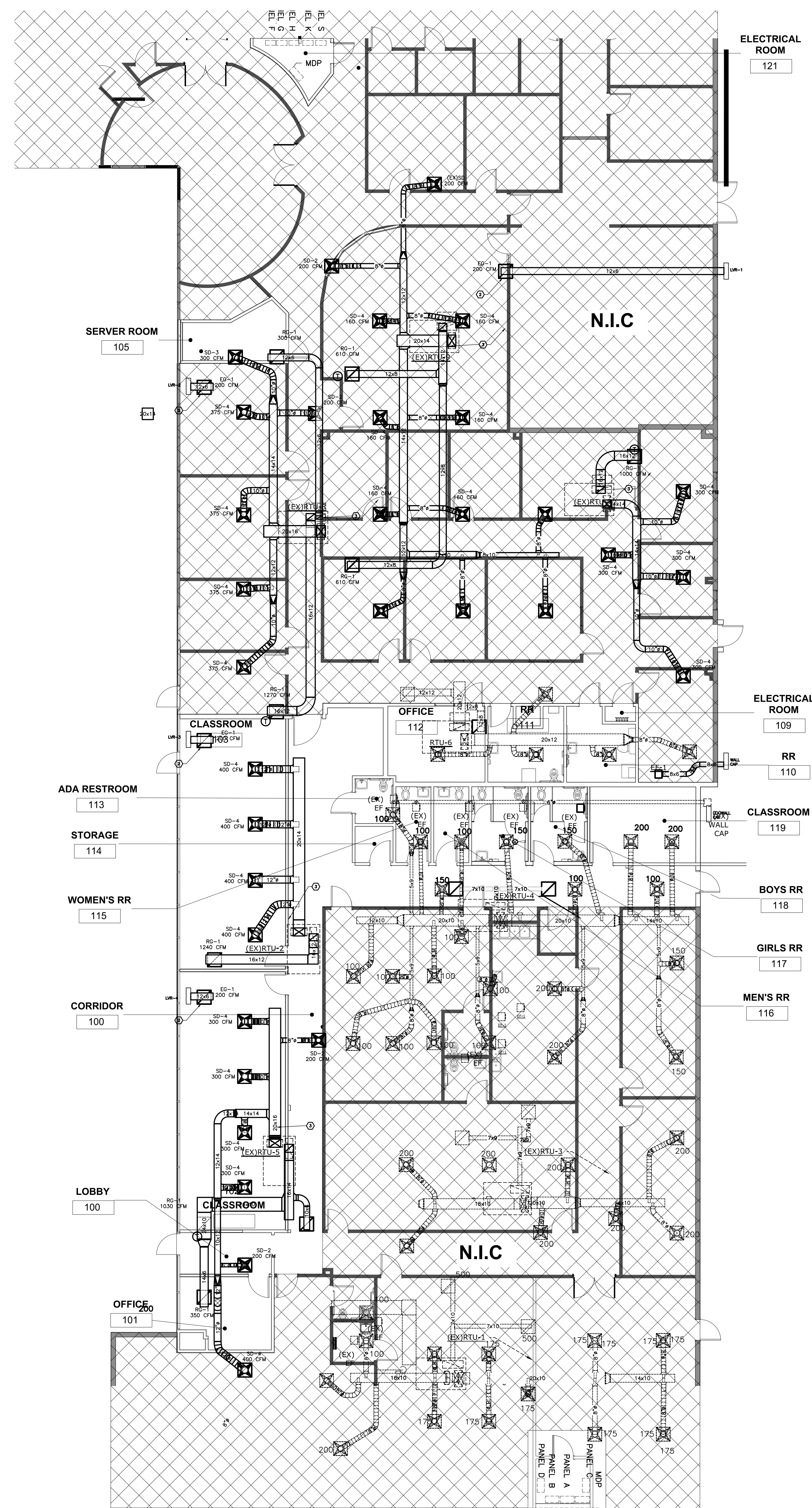
Revisions:

DESCRIPTION	
ISSUE FOR PERMIT	03-17-2026

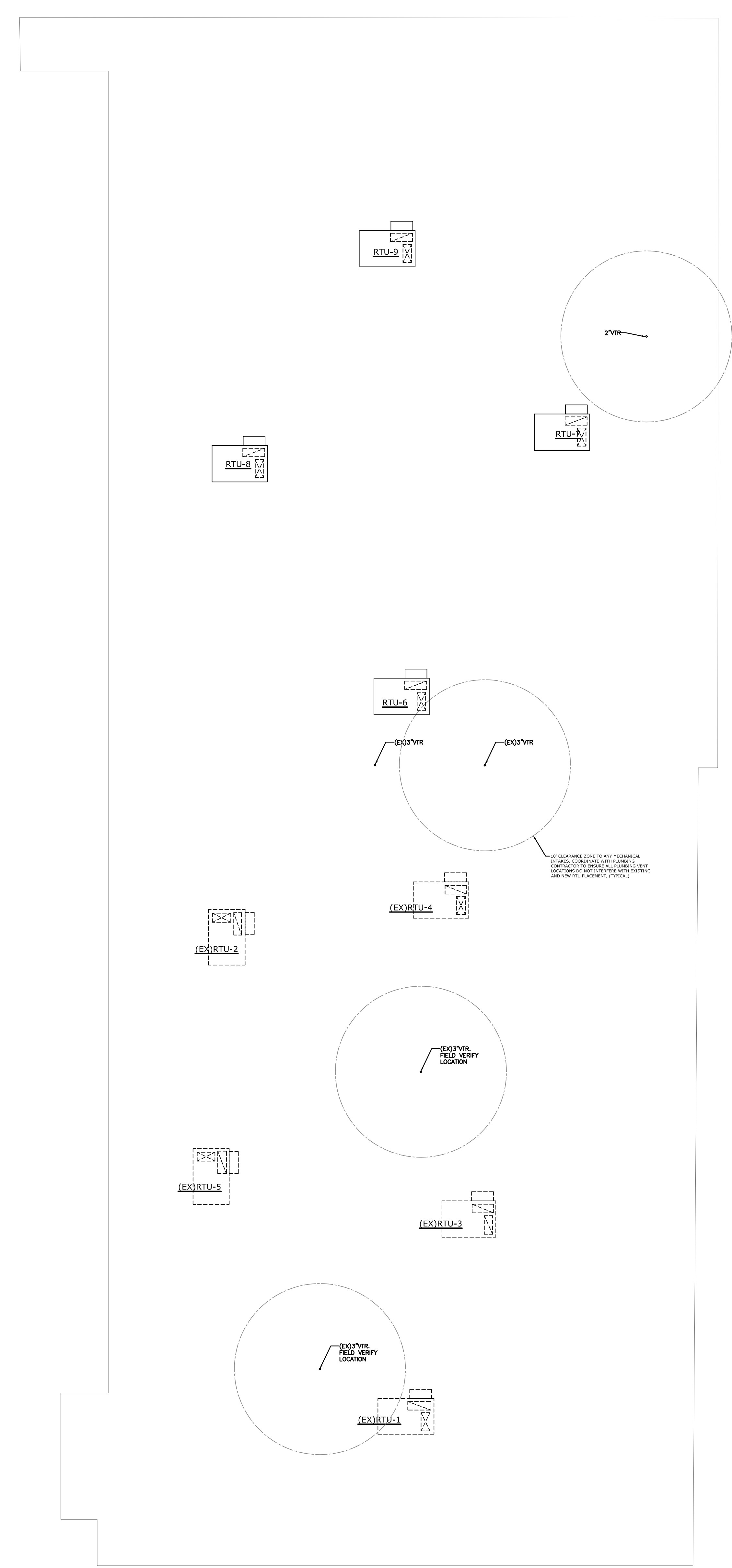
FLOOR PLAN - MECHANICAL

**M-101**

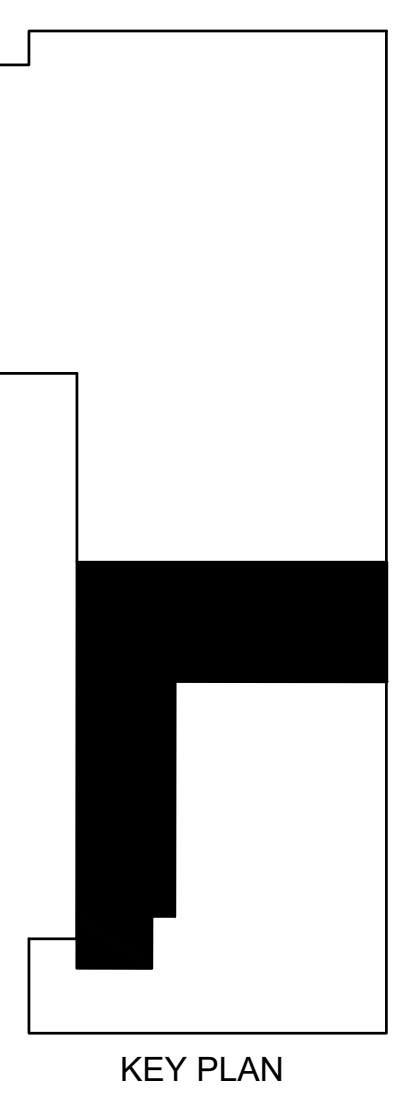
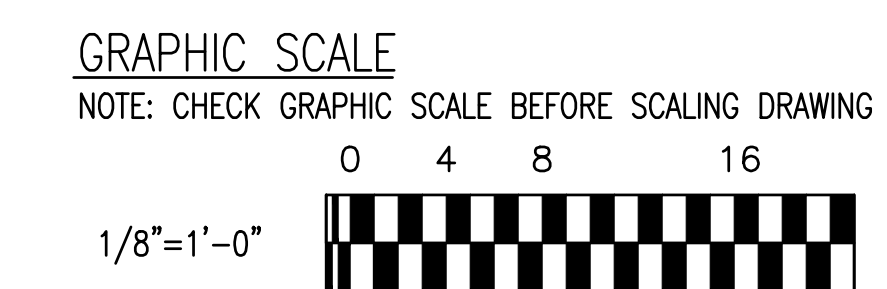
- GENERAL NOTES**
- FOR MECHANICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. M-001.
  - SEE STRUCTURAL DRAWINGS FOR REINFORCED AREA FOR MOUNTING OF FUTURE MECHANICAL EQUIPMENT.
  - CONTRACTOR FIELD VERIFY RTU'S LOCATION, SMOKE DETECTORS, ECONOMIZER WORKING ORDER. VERIFY THERMOSTAT IS IN GOOD WORKING ORDER. REPLACE EXISTING FILTERS. PROVIDE TESTING AND BALANCE AT EACH RTU'S LISTED.
- PLAN NOTES**
- UNDERCUT DORR BY MIN. OF 3/4".
  - PROVIDE 24"x24" EXHAUST GRILLE AND DUCTWORK WITH MOTORIZED DAMPER FOR RELIEF AIR SYSTEM. INTERLOCK DAMPER WITH RTU-9 ECONOMIZER.
  - SA AND RA DUCTS UP TO RTU ON ROOF WITH FLEX CONNECTOR AT UNIT OPENINGS.



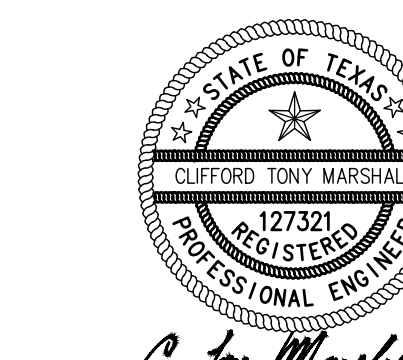
**FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



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



03/19/26 | K:\DC\MS Exploration\Drawings\M-101.dwg



*C. Jay Marshall* 03/17/2026

CONSULTANTS:  
**MEP ENGINEER:**  
ACNS ENGINEERING  
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CHARLES TOWN, WV, 25414

# HARMONY SCHOOL OF EXPLORATION EXPANSION INTERIOR RENOVATIONS PHASE ONE

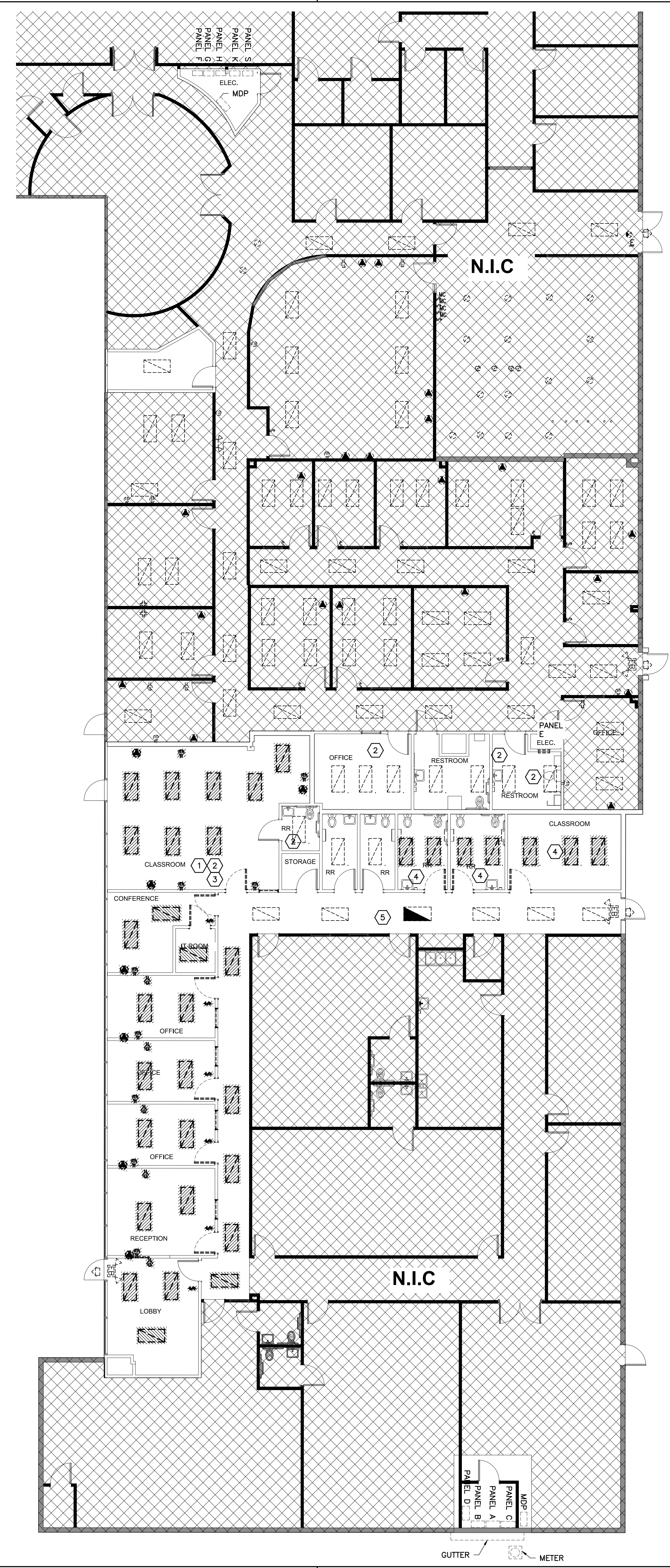
9303 W Sam Houston Pkwy S,  
Houston, TX 77099

Drawing Date: 03/02/2026  
Drawn: Author  
Checked: Checker  
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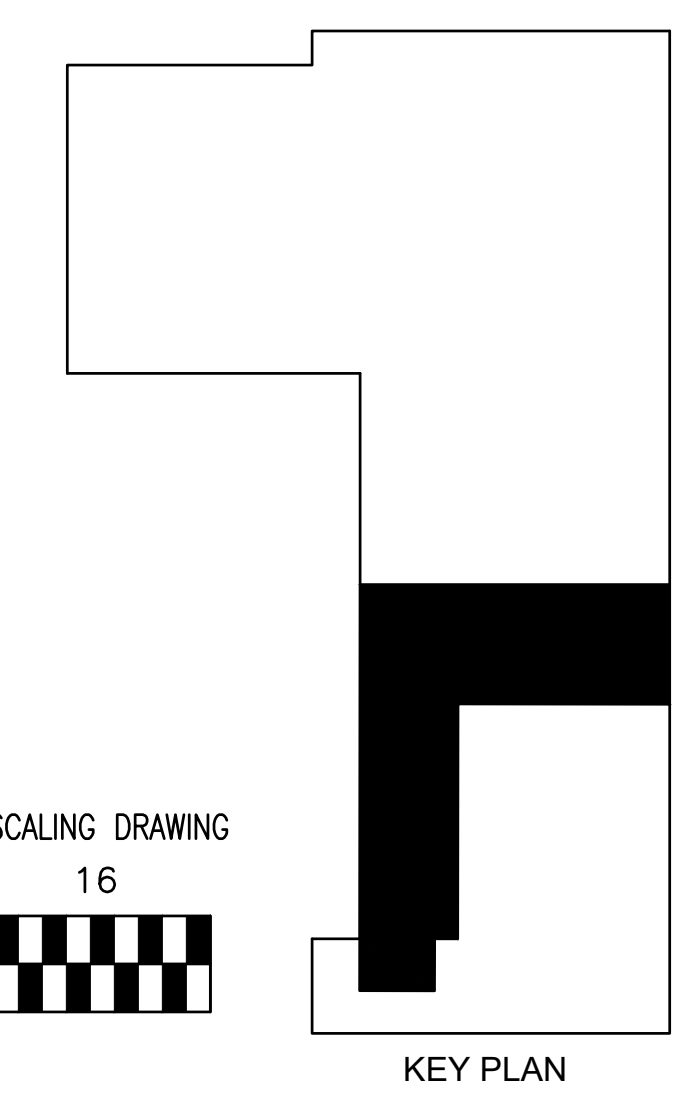
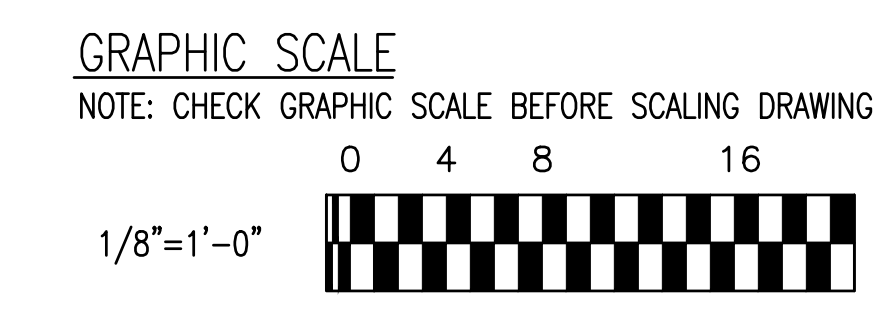
Revisions:	DESCRIPTION
ISSUE FOR PERMIT	03-02-2026

FLOOR PLAN - DEMOLITION  
ELECTRICAL

- GENERAL NOTES**
- FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. E-001.
- PLAN NOTES**
- TRACE ALL LIGHTING CIRCUITS AND IDENTIFY PANEL AND CIRCUIT NUMBER BEFORE LIGHTING REMOVAL. REMOVE ALL LIGHTS AND SWITCHES
  - TRACE ALL RECEPTACLE CIRCUITS AND IDENTIFY PANEL AND CIRCUIT NUMBER BEFORE REMOVAL. REMOVE ALL RECEPTACLES AND PULL CONDUCTORS BACK TO NEAREST JUNCTION BOX ABOVE CEILING.
  - REMOVE ALL DATA OUTLETS. PRESERVE NETWORK CABLE AND COIL AND STORE ABOVE CEILING.
  - SALVAGE EXISTING LIGHTS IN THIS AREA FOR REUSE.
  - EXISTING LIGHTING AND SWITCHING TO REMAIN IN PLACE.

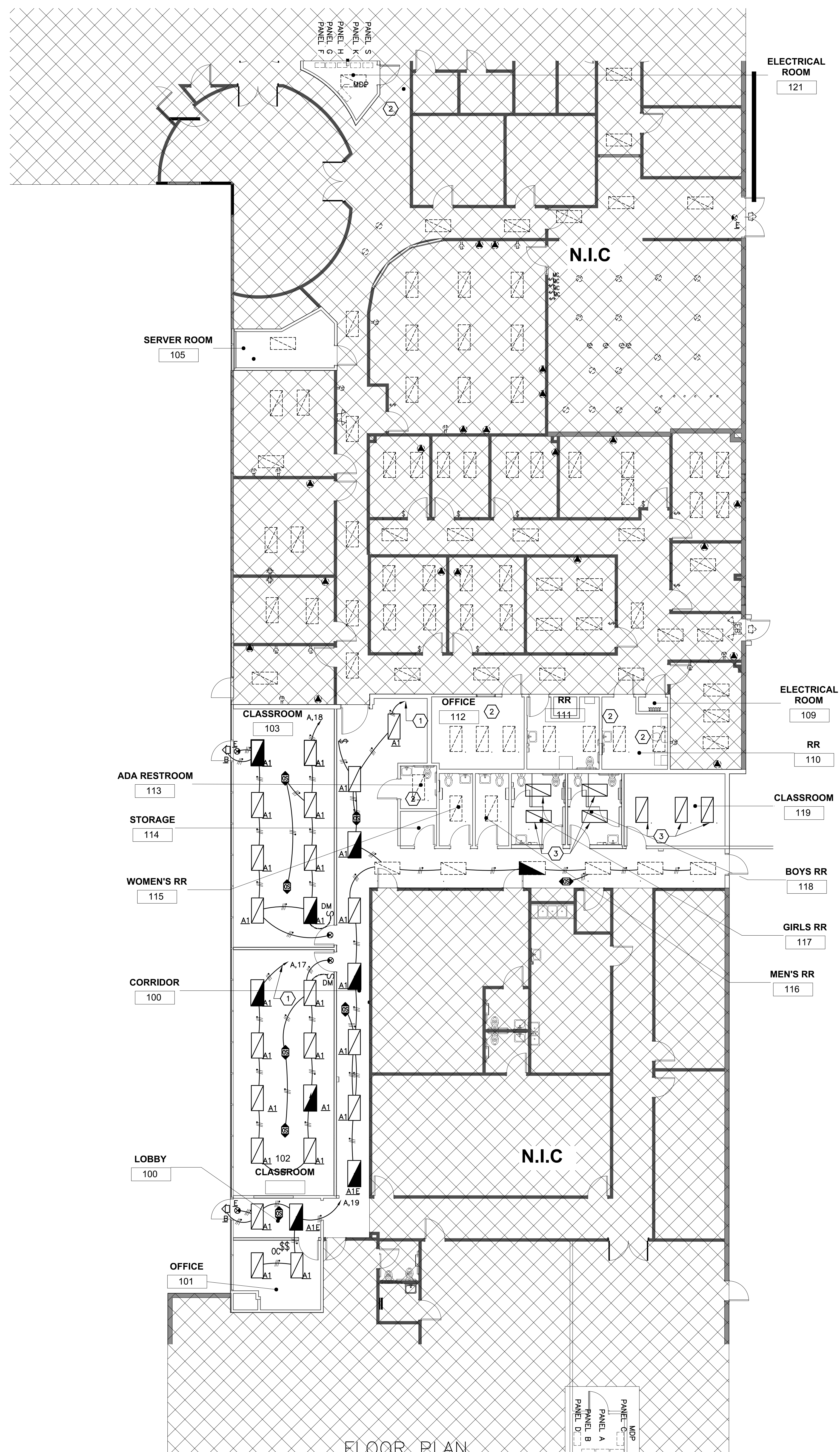


**FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



03/19/26 | K:\DCV\HIS Exploration\Drawings\DE-101.dwg





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

- GENERAL NOTES**
- FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. E-001.
- PLAN NOTES**
- CONNECT TO PREVIOUS LIGHTING CIRCUIT SERVING AREA.
  - EXISTING LIGHTING AND SWITCHES TO REMAIN IN THIS AREA.
  - SALVAGED FIXTURE. CONNECT TO EXISTING SWITCH.



C. Jay Maddell 03/17/2026

CONSULTANTS:  
**MEP ENGINEER:**  
ACNS ENGINEERING  
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CHARLES TOWN, WV, 25414

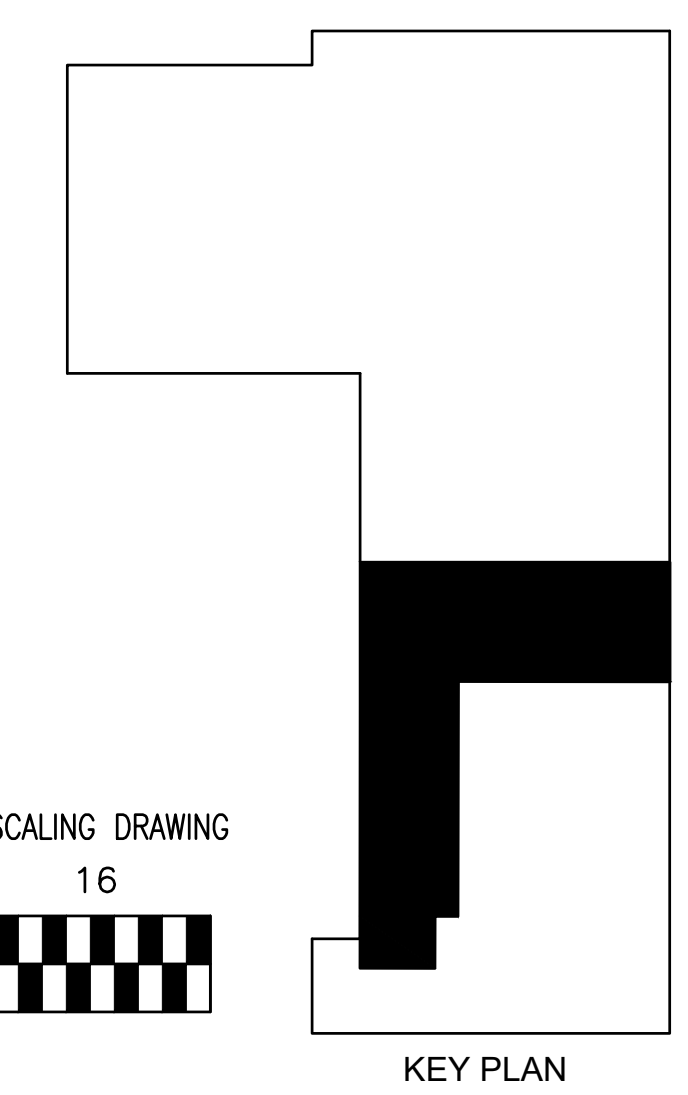
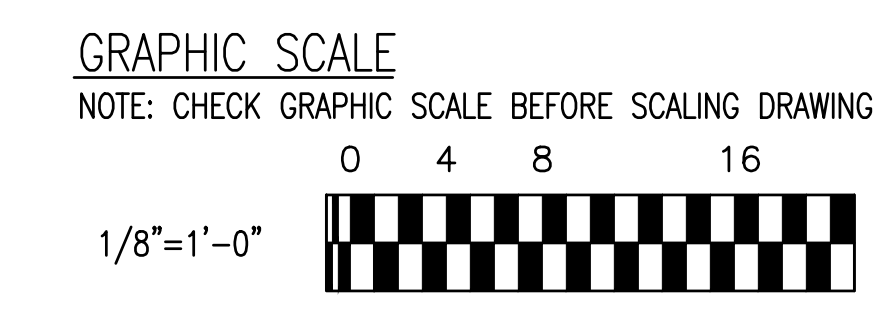
# HARMONY SCHOOL OF EXPLORATION EXPANSION INTERIOR RENOVATIONS PHASE ONE

9303 W Sam Houston Pkwy S,  
Houston, TX 77099

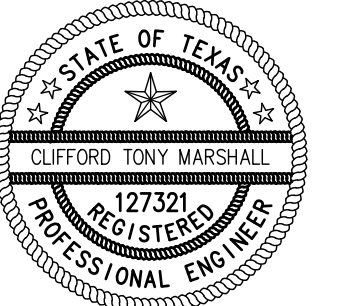
Drawing Date: 03/17/2026  
Drawn: EC  
Checked: CTM  
Scale:

Revisions:

DESCRIPTION	
ISSUE FOR PERMIT	03-17-2026



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*C. Tony Marshall*

03/17/2026

CONSULTANTS:

**MEP ENGINEER:**  
ACNS ENGINEERING

ADDRESS: 4 BEAUREGARD BLVD.  
CHARLES TOWN, WV, 25414

**HARMONY  
SCHOOL OF  
EXPLORATION  
EXPANSION  
INTERIOR  
RENOVATIONS  
PHASE ONE**

9303 W Sam Houston Pkwy S,  
Houston, TX 77099

Drawing Date: 03/17/2026

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Scale:

Revisions:

DESCRIPTION	
ISSUE FOR PERMIT	03-17-2026

FLOOR PLAN - ELECTRICAL  
POWER

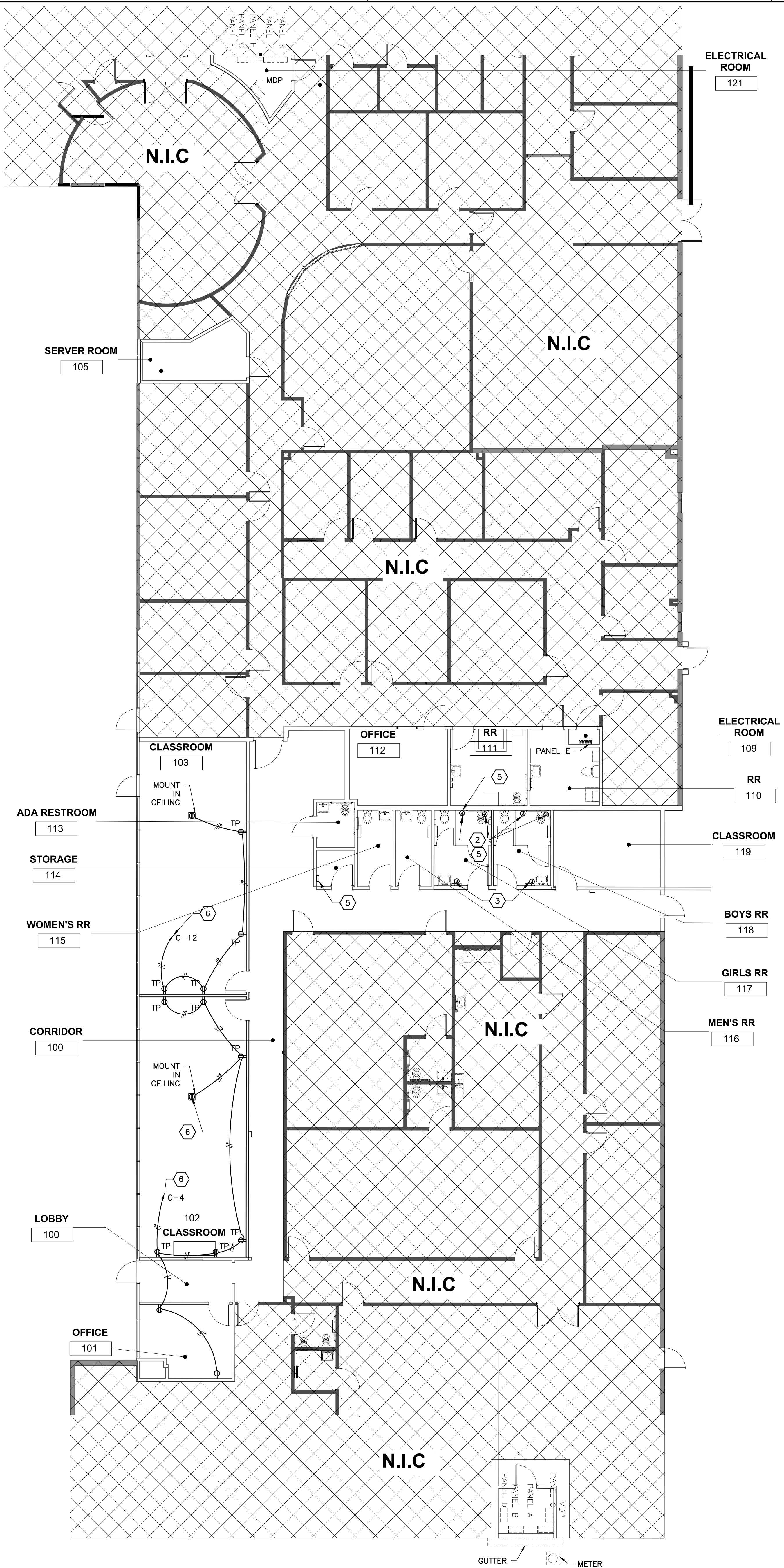
**E-102**

GENERAL NOTES

- FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. E-001.

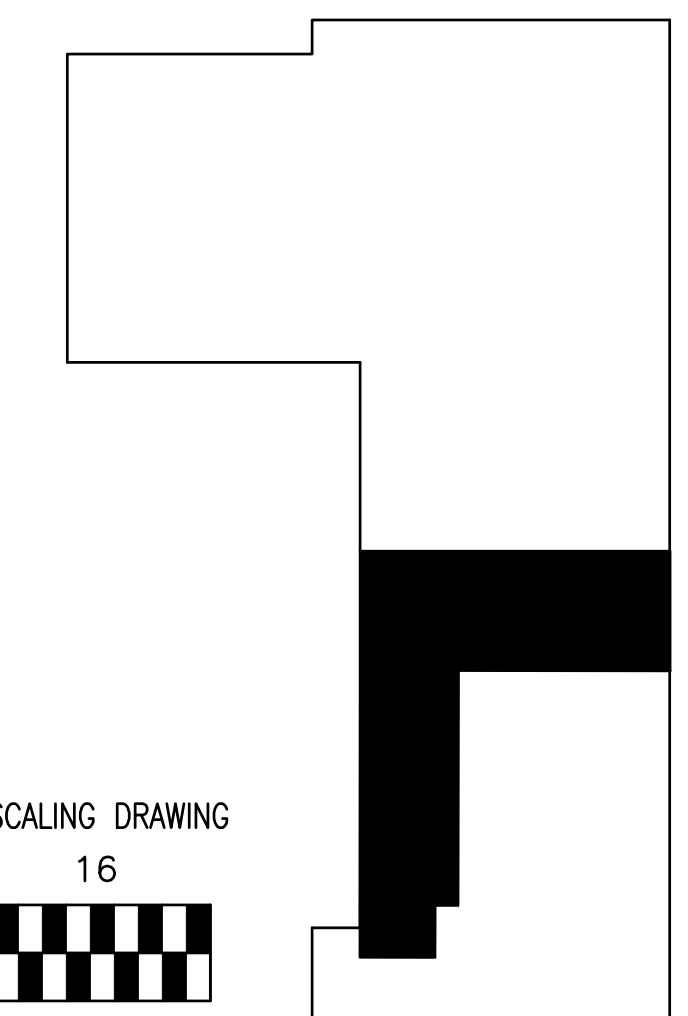
PLAN NOTES

- EXISTING CIRCUIT MADE FREE DURING DEMOLITION
- JUNCTION BOX AND LOW VOLTAGE POWER FOR FLUSH VALVE OPERATION.
- PROVIDE JUNCTION BOX AND LOW VOLTAGE POWER TO FAUCET.
- PROVIDE FIRESTOP AT ALL AT ALL FIREWALL PENETRATIONS.
- PROVIDE LOW VOLTAGE TRANSFORMER FOR FLUSH VALVE. CONNECT TO CIRCUIT C-12
- EXISTING CIRCUIT MADE FREE DURING DEMOLITION



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

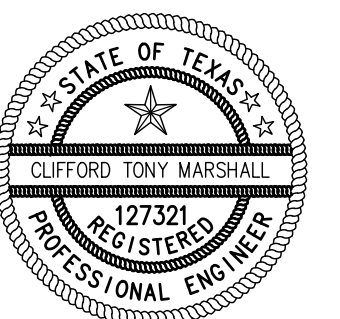
GRAPHIC SCALE  
NOTE: CHECK GRAPHIC SCALE BEFORE SCALING DRAWING



KEY PLAN







*C. Tony Marshall*

03/17/2026

CONSULTANTS:

**MEP ENGINEER:**  
ACNS ENGINEERING

ADDRESS: 4 BEAUREGARD BLVD.  
CHARLES TOWN, WV, 25414

# HARMONY SCHOOL OF EXPLORATION EXPANSION INTERIOR RENOVATIONS PHASE ONE

9303 W Sam Houston Pkwy S,  
Houston, TX 77099

Drawing Date: 03/17/2026

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FLOOR PLAN - DEMOLITION  
PLUMBING

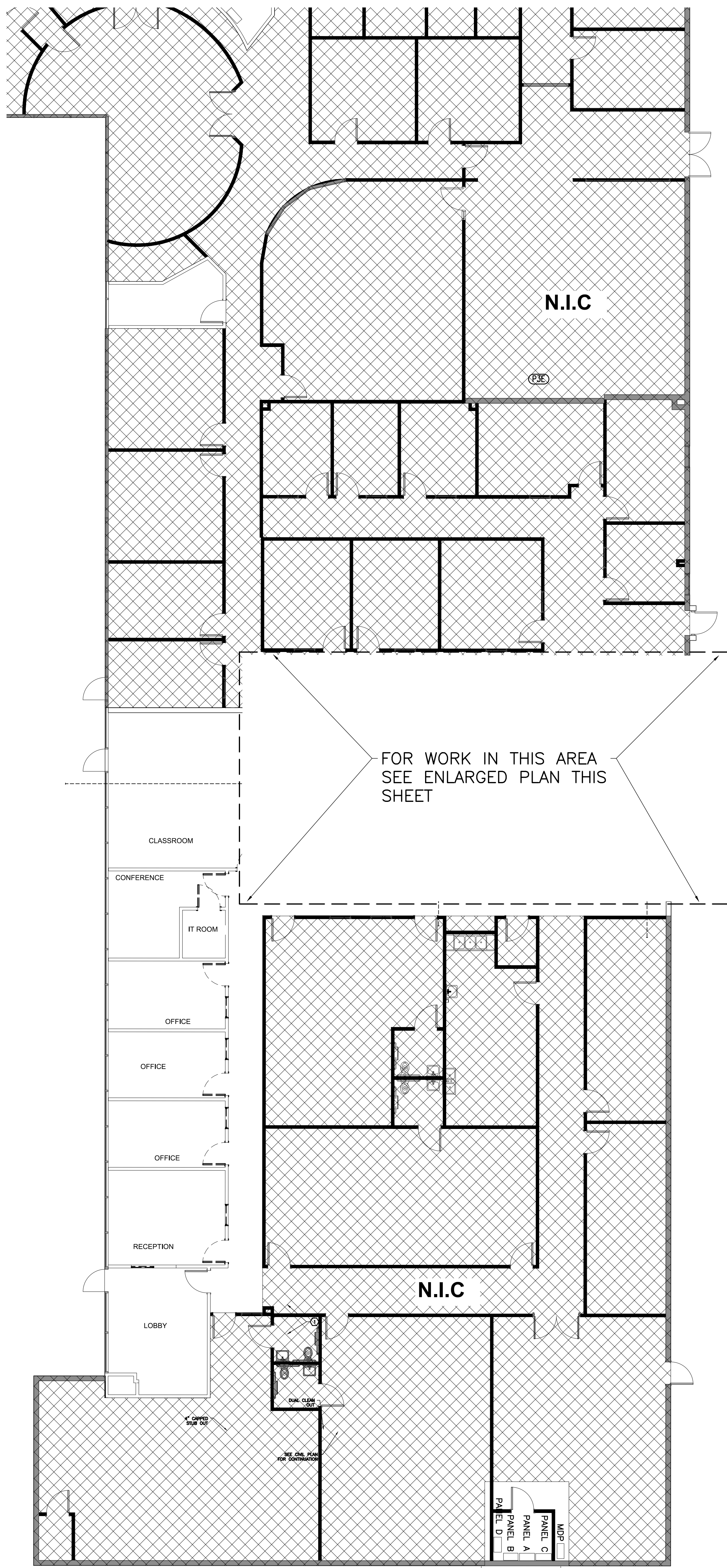
**DP-101**

**GENERAL NOTES**

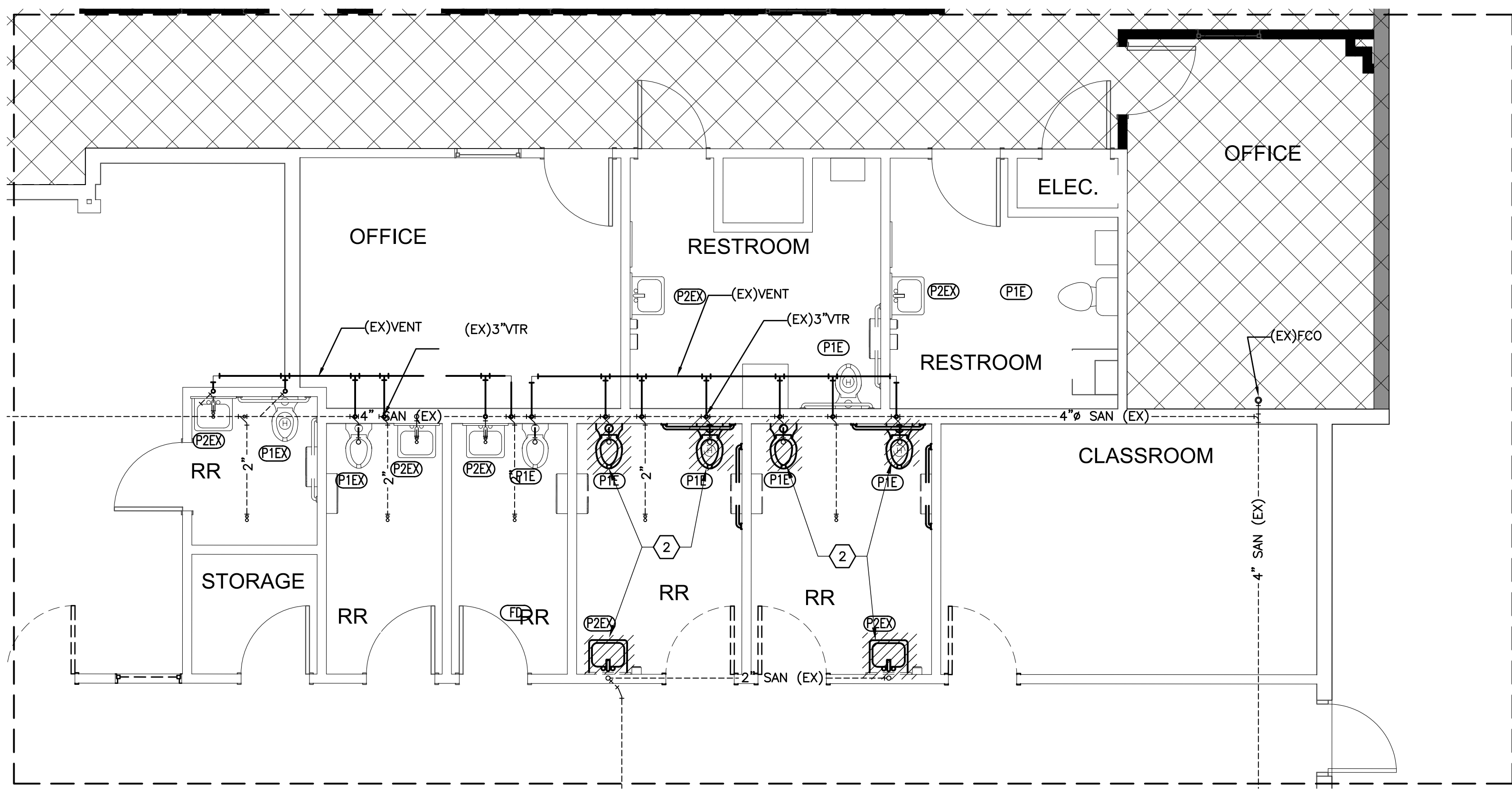
- FOR PLUMBING SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. P-001.

**PLAN NOTES**

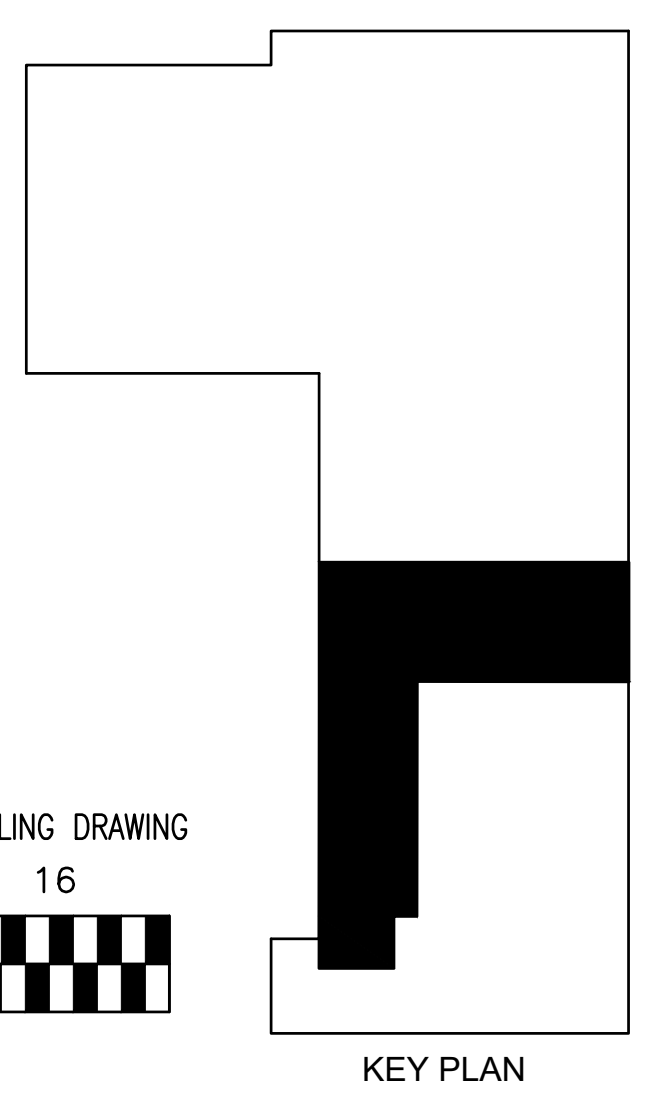
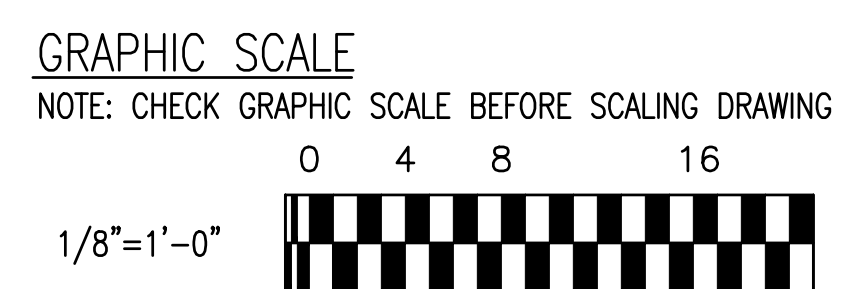
- REMOVE EXISTING FCO. PREPARE SAN LINE FOR NEW SAN CONNECTION. SEE SHEET P-101 FOR CONTINUATION.
- REMOVE EXISTING ADULT SIZED FIXTURE. MODIFY ROUGH-IN TO RECEIVE CHILD FIXTURE.



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

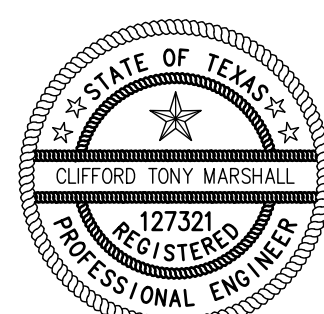


**ENLARGED FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



KEY PLAN





*C. Tony Marshall*

03/17/2026

CONSULTANTS:

**MEP ENGINEER:**  
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# HARMONY SCHOOL OF EXPLORATION EXPANSION INTERIOR RENOVATIONS PHASE ONE

9303 W Sam Houston Pkwy S,  
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ISSUE FOR PERMIT	03-17-2026

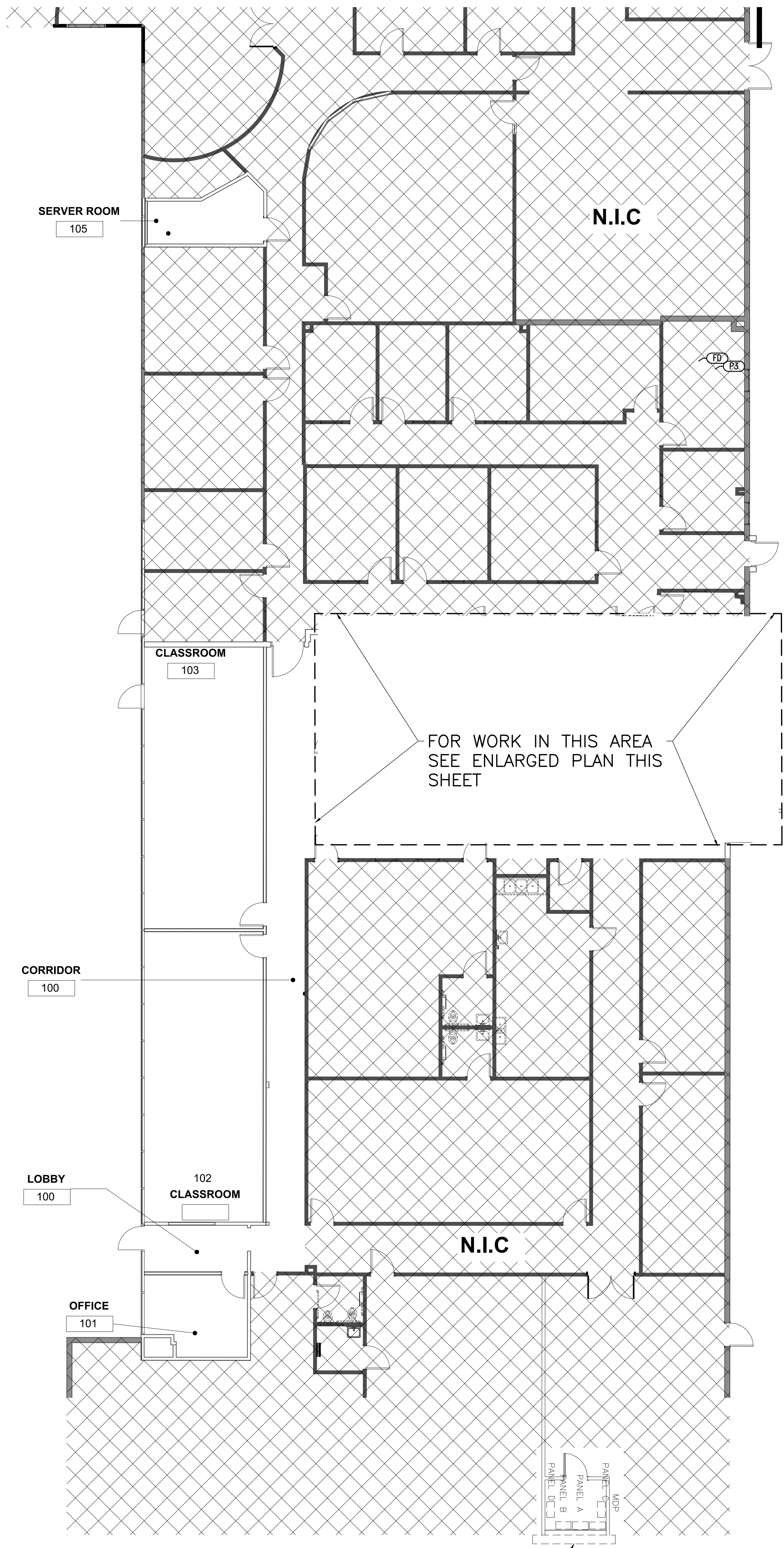
FLOOR PLAN - PLUMBING

**GENERAL NOTES**

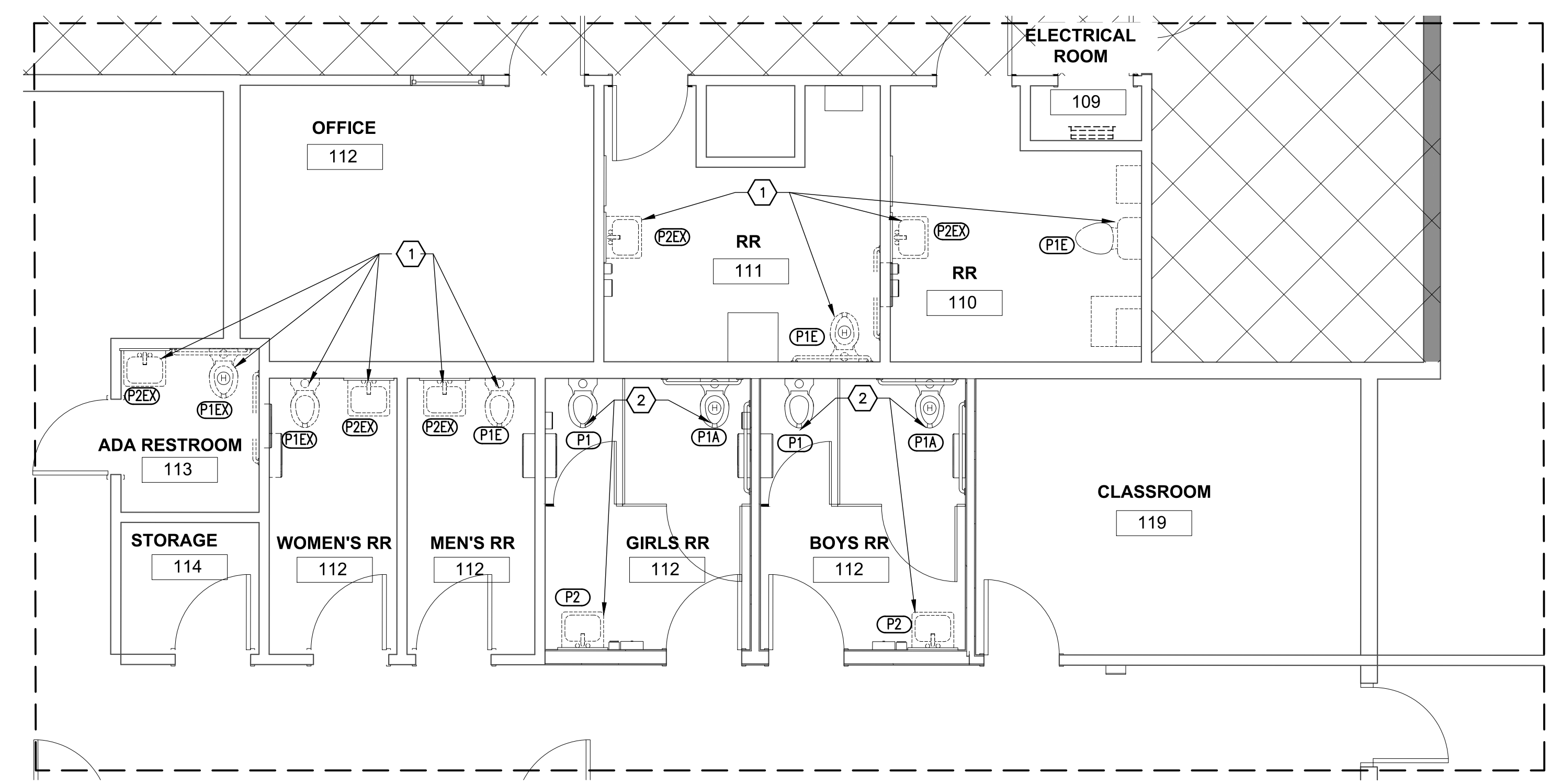
- FOR PLUMBING SYMBOLS, ABBREVIATIONS AND GENERAL NOTES SEE DWG. P-001.

**PLAN NOTES**

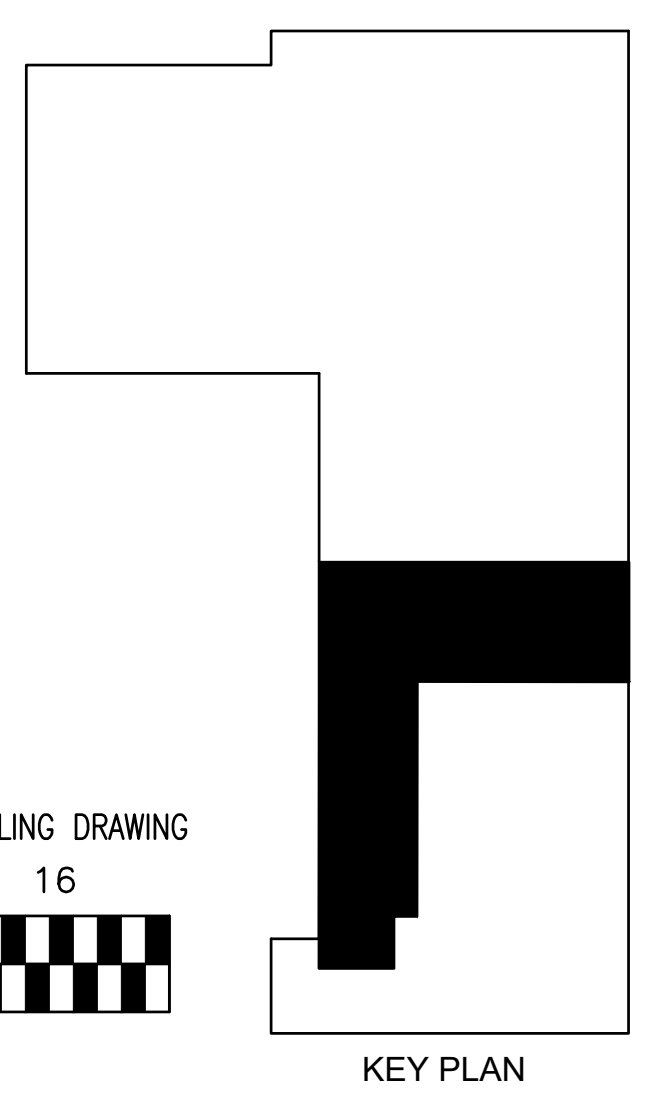
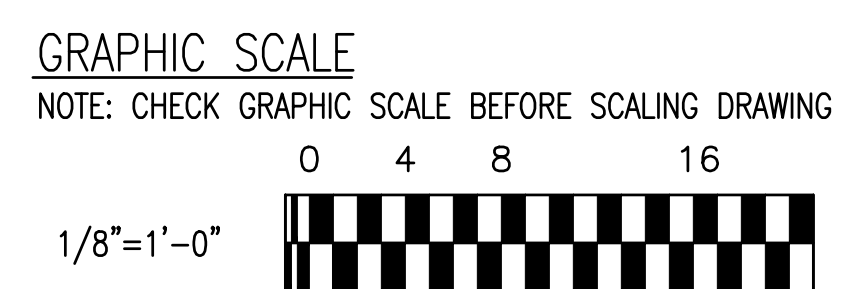
- EXISTING FIXTURE TO REMAIN.
- NEW FIXTURE.



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



**ENLARGED FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



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