

Lightbridge Academy

**655 REEDY CREEK RD
CARY, NC 27513**



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ARCHITECTURAL REVISION DATE
G001 TITLE SHEET
G002 APPENDIX "B" SHEET (TO BE ISSUED WITH S+S PERMIT SET)
G003 COMCHECK (TO BE ISSUED WITH S+S PERMIT SET)
G004 COMCHECK (TO BE ISSUED WITH S+S PERMIT SET)
G005 GENERAL CONDITIONS SHEET
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G007 ACCESSIBILITY SHEET
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A100 CONSTRUCTION PLAN, DETAILS, LEGEND & NOTES
A101 REFLECTED CEILING PLAN, DETAILS, LEGEND & NOTES
A102 FINISH FLOOR PLAN, SCHEDULES, LEGEND & NOTES
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A200 BUILDING ELEVATIONS & SCHEDULES
A300 BUILDING SECTIONS
A301 WALL SECTIONS
A302 PORTICO SECTIONS
A400 ENLARGED TOILET PLANS & ELEVATIONS, SCHEDULE & NOTES
A401 ENLARGED INTERIOR PLANS & ELEVATIONS
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A403 ENLARGED BUILDING ELEVATIONS & DETAILS
A404 CORRIDOR ELEVATIONS & NOTES
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A701 PLAYGROUND DETAILS & NOTES
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S102 ATTIC & ROOF FRAMING PLAN, SCHEDULES & NOTES
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S201 STRUCTURAL FRAMING DETAILS
EN-001 ENERGY ANALYSIS SHEET (TO BE ISSUED WITH S+S PERMIT SET)
EN-002 ENERGY ANALYSIS SHEET (TO BE ISSUED WITH S+S PERMIT SET)
EN-003 ENERGY ANALYSIS SHEET (TO BE ISSUED WITH S+S PERMIT SET)
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FIRE PROTECTION
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FP-102 FIRE PROTECTION ATTIC PLAN
FP-301 FIRE PROTECTION DETAILS
FP-401 FIRE PROTECTION SPECIFICATIONS

BUILDING CODE NOTES:

This project is designed under the following Codes:

- 2018 NORTH CAROLINA ADMINISTRATIVE CODE AND POLICIES
- 2018 NORTH CAROLINA BUILDING CODE
- 2018 NORTH CAROLINA ENERGY CONSERVATION CODE
- 2018 NORTH CAROLINA FIRE PREVENTION CODE
- 2018 NORTH CAROLINA FUEL GAS CODE
- 2018 NORTH CAROLINA MECHANICAL CODE
- 2018 NORTH CAROLINA PLUMBING CODE
- 2018 NORTH CAROLINA ELECTRIC CODE (2017 NATIONAL ELECTRIC CODE (NEC))

Type of Work: New Construction, one story building, fully sprinklered, total floor area of 11,453 s.f.

Description: Childcare Facility-I-4. The building is a child day care center which is classified as a I-4 Use Group as per Section 308.6 of the NCBC.

Building Characteristics (Tables 504.3, 504.4, 506.2)

	Allowed	Proposed	Comments
Type of Construction:	Type VB	Type VB	Complies
No. of Stories:	2	1	Complies
Building Area:	36,000 sf	11,453 sf	Complies
Building Height:	60'-0"	26'-0"	Complies

Fire Resistance Ratings (Table 601)

Building Element	Required	Proposed	Comment
Structural Frame	0 Hour	0 Hour	Complies
Bearing Walls	0 Hour	0 Hour	Complies
Non-bearing Walls	0 Hour	0 Hour	Complies
Floor Construction	0 Hour	0 Hour	Complies
Roof Construction	0 Hour	0 Hour	Complies

Interior Wall and Ceiling Finish Requirements By Occupancy (Table 803.11)

Group	EXIT STAIRWAYS & EXIT PASSAGEWAYS	CORRIDORS	ROOMS AND ENCLOSED SPACES
I-4	B	B	B

- 803.1.1 Interior wall and ceiling finish materials. Finish materials shall be classified in accordance with ASTM E 84 or UL 723.
- 803.1.1. Class B. Flame spread index 26-75; smoke-developed index 0-450.

Fire Protection Systems

Automatic Sprinkler Systems (Section 903)

- 903.2.6 Group I. An automatic sprinkler system shall be provided throughout the building.

Portable Fire Extinguishers (Section 906)

- 906.1. Required and shall be located in accordance with the IFC, Table 906.1.

Fire Alarm And Detection Systems (Section 907)

- 907.2.6 Group I. A manual fire alarm system that activates the occupant notification system shall be installed.
- 907.2.6 Group I. An automatic smoke detection system that activates the occupant notification system shall be installed.
- 907.4.2 Manual fire alarm boxes. Where a manual fire alarm system is required, it shall be activated by fire alarm boxes installed as follows:
 - Shall be located not more than 5 feet from the entrance to each exit. Additional manual fire alarm boxes shall be located so that travel distance to the nearest box does not exceed 200 feet.
 - The height shall be a minimum of 42 inches and a maximum of 48 inches measured vertically from the floor level to the activating handle or lever of the box.
- 907.5.2.3 Visible alarms. Visible alarm notification appliances shall be provided. They shall be provided in public and common areas.

Fire Department Connections (Section 912)

- 912.1. Fire department connections shall be installed in accordance with NFPA.

Means of Egress

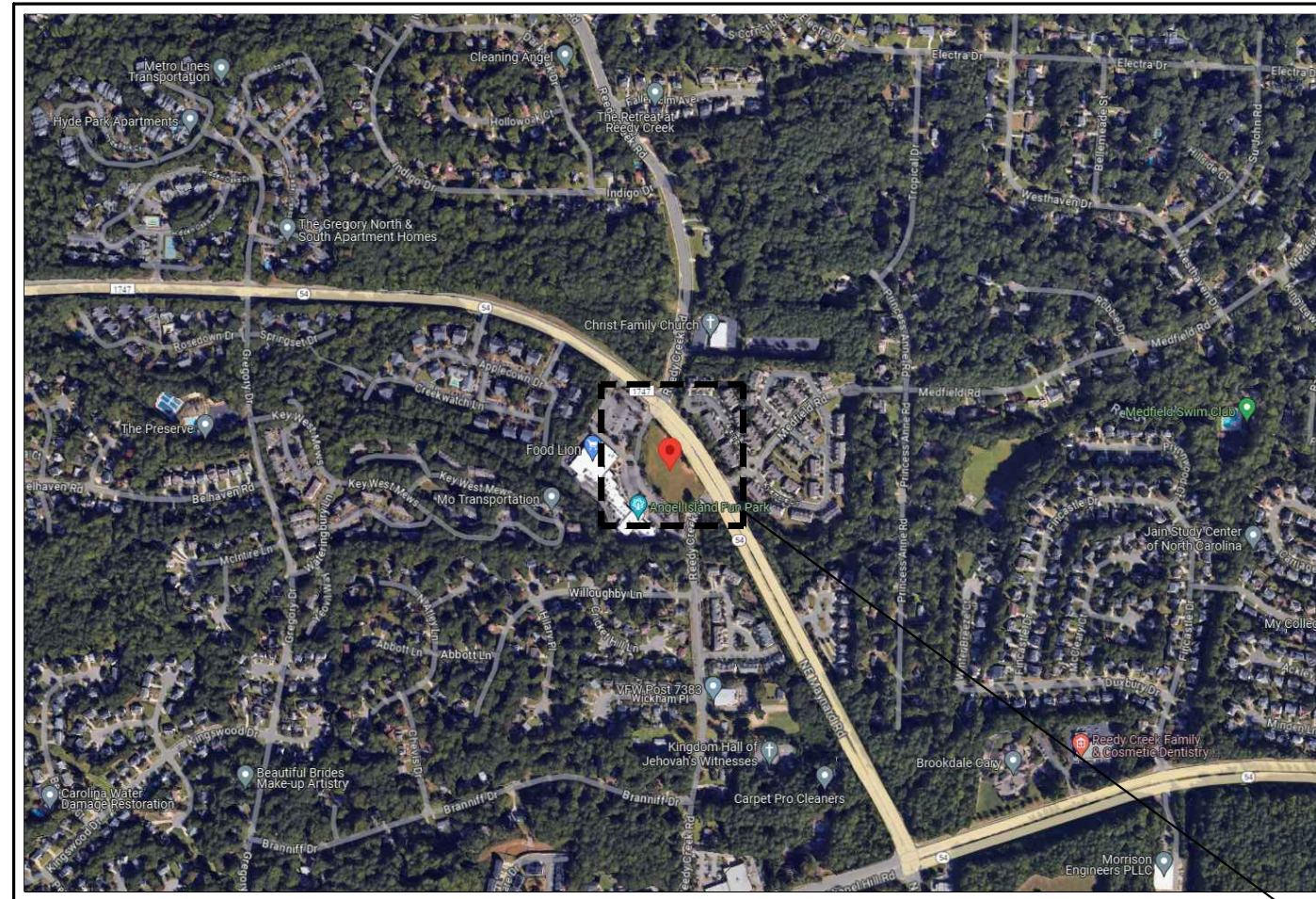
Occupant Load (Section 1004)

- Total Occupancy = 242, see drawing G102.

Plumbing Requirements - See Dwg. G102 for plumbing fixture count.

RESPONSIBILITY SCHEDULE

Items	Required or Recommended Vendor	Vendor	Supplied	Installed	Lead Time	Notes:
Access Control	Required	Mellin Tech	Landlord	Landlord		Wiring By Mellin Tech
All Low Voltage Wiring	Required	Mellin Tech	Landlord	Landlord		Wiring By Mellin Tech
Appliances	N/A	Local Supplier	Franchisee	Franchisee	4-6 Weeks	Refrigerator: May need to switch handle due to swing of door. Dryer: Gas Dryer preferred with Venting.
Artwork	Required	Effective	Franchisee	Franchisee	4-6 Weeks	
Bathroom Partitions	Recommended	Atlantic Partitions Co.	Landlord	Landlord		
BenQ TVs	Required	PCG	Franchisee	Landlord	4-6 Weeks	Wiring By Mellin Tech
Bulletin Boards/Chair Rail	N/A	GC	Landlord	Landlord		
Cabinetry	N/A	GC	Landlord	Landlord	12-16 Weeks	
Cubbies in Classrooms	Required	Beckers	Franchisee	Landlord		
CCTV Cameras	Required	Watch Me Grow	Franchisee	Franchisee	8-12 Weeks	Wiring By Mellin Tech
CCTV Wiring	Required	Mellin Tech	Landlord	Landlord		Wiring By Mellin Tech
Classroom Furniture	Required	Beckers	Franchisee	Franchisee	14-16 Weeks	
Corner Guards	Required	EPC Door and Wall Protection System	Landlord	Landlord	4-6 Weeks	
Door Releases	Required	Mellin Tech	Landlord	Landlord		Wiring By Mellin Tech
Facial Recognition	Required	Kintronic	Franchisee	Landlord	14-16 Weeks	Wiring By Mellin Tech
Fire Alarm	N/A	GC	Landlord	Landlord		
HVAC Micron	Required	RGF	Landlord	Landlord	8-10 Weeks	
I.T. Rack Equipment	Required	PCG	Franchisee	Landlord	4-6 Weeks	Wiring By Mellin Tech
Interior and Exterior Signage	Required	Effective	Franchisee	Franchisee	14-16 Weeks	
Interior and Exterior Signage Wiring	N/A	GC	Landlord	Landlord		Monument sign and Building sign
Internet Services	Required	Mellin Tech	Franchisee	Franchisee	14-20 Weeks	Wiring By Mellin Tech
Office Furniture	Required	WB Mason	Franchisee	Franchisee	8-10 Weeks	
PA Speaker and Amp	Required	Mellin Tech	Landlord	Landlord		Wiring By Mellin Tech
Plastic Batten	Required	Mellin Tech	Landlord	Landlord		Wiring By Mellin Tech
Phone Wiring	Required	Mellin Tech	Franchisee	Landlord	4-6 Weeks	Wiring By Mellin Tech
Phones	Required	Mellin Tech	Franchisee	Landlord	4-6 Weeks	Wiring By Mellin Tech
Playground Equipment	Required	Xceed	Franchisee	Franchisee	14-16 Weeks	
Playground Fence	N/A	GC	Landlord	Landlord		
Playground Footings for Shade	N/A	GC	Landlord	Landlord		
Playground Shade and Pole	Required	Xceed	Franchisee	Franchisee	14-16 Weeks	
Playground Surface	Required	Forever Lawn	Landlord	Landlord	14-16 Weeks	This is only the turf and padding.
PT, TP, Soap Dispensers	Required	WB Mason	Franchisee	Landlord	4-6 Weeks	
Security System	Required	Mellin Tech	Landlord	Landlord		Wiring By Mellin Tech
Vinyl Wall Covering	Required	Koroseal	Landlord	Landlord	16 Weeks	
Water Filtration	Required	WB Mason	Franchisee	Franchisee	4-6 Weeks	
Window Treatments	Required	MAG Resources	Franchisee	Franchisee	8-10 Weeks	
Mechanical Equipment/Electrical Switching	Required	GC	Landlord	Landlord	45-55 Weeks	Ordered within 30 days of contract issue
Submittal Schedule to Architect	Required	GC	Landlord	Landlord		Submitted within 15 days of contract issuance.



AERIAL LOCATION MAP
N.T.S.

PROJECT LOCATION

Project:
LIGHTBRIDGE ACADEMY
655 Reedy Creek Rd
Cary, NC 27513

Developer:
STNL Advisors LLC
260 Madison Ave, 5th Flr
New York, NY 10016

Lot: -
Zone: -

SHEET TITLE:
TITLE SHEET

Rev. #	Date	Remarks
	03/28/2024	ISSUED FOR PERMIT

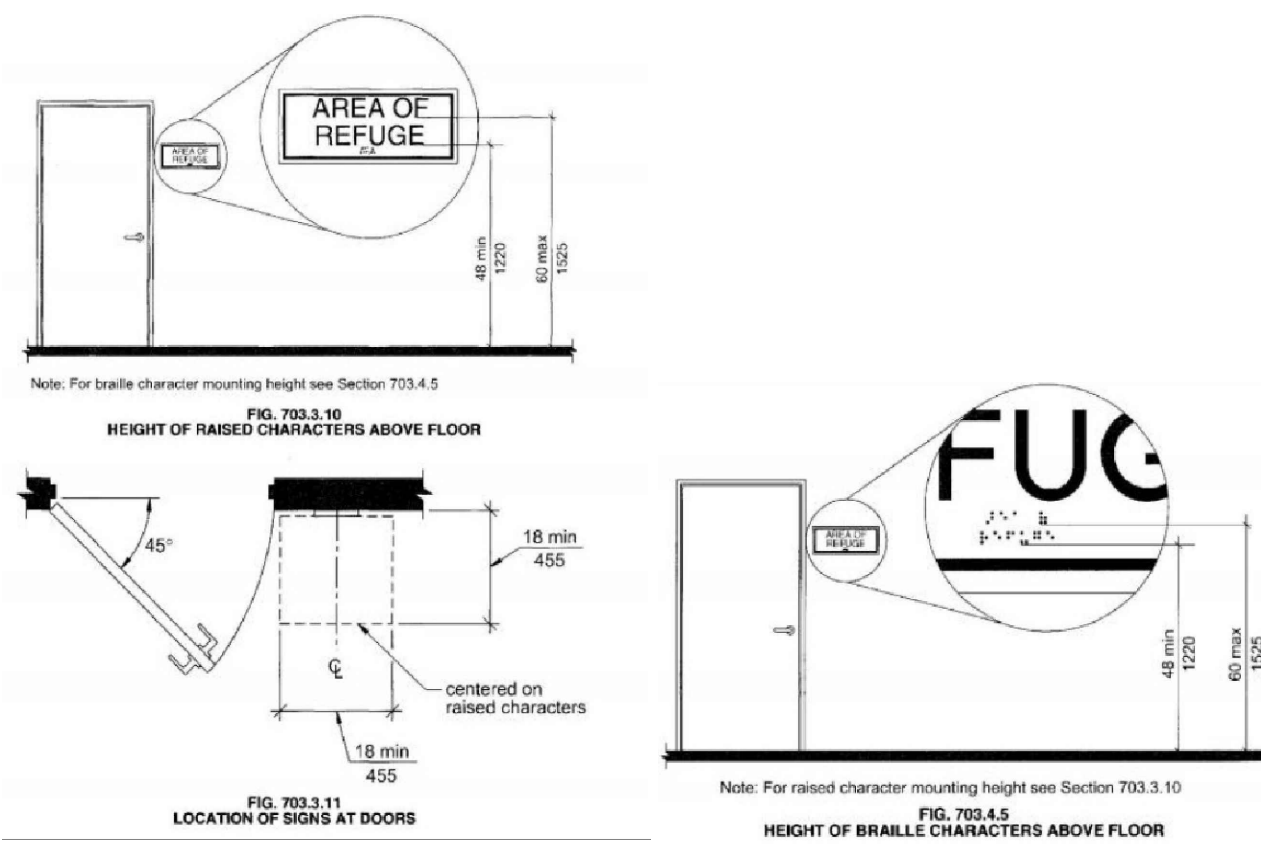
JOB NUMBER: 2022-01-09

DATE: 10/07/2022

DRAWN BY: JAMKM

CHECKED BY: JAM

SHEET NO.
G001



BRaille SIGNAGE DETAIL

N.T.S.

		<p>SECTION 904 ACCESSIBLE PORTION OF SERVICE COUNTER</p> <p>SCALE: 1/2" = 1'-0"</p>
	<p>SECTION 903(b) BENCH HEIGHT</p> <p>BENCHES</p>	<p>SECTION 903(a) BENCH SIZES & OPTIONS FOR CLEAR FLOOR SPACES</p>
<p>FIGURE 302.2</p> <p>CARPET ON FLOOR SURFACES</p>	<p>FIGURE 303.2</p> <p>CARPET ON FLOOR SURFACES</p>	<p>FIGURE 303.3 (a) FIGURE 303.3 (b)</p> <p>BEVELED CHANGES IN LEVEL</p>
<p>LEVEL CHANGES SCALE: 1/2" = 1'-0"</p>		
<p>TOILET ROOM SIGNAGE ELEVATION</p>	<p>- ALL SIGNAGE TO COMPLY WITH CHAPTER 7 SECTION 703 OF ICC A117.1 2009 AND AS REQ'D BY LOCAL AUTHORITIES</p> <p>TOILET ROOM SIGNAGE</p> <p>SCALE: 1/2" = 1'-0"</p>	

<p>FIG. 405.7 AND SECTION 405 RAMP LANDINGS</p>		
<p>RAMP LANDINGS</p>		
<p>FIG. 403.5 CLEAR WIDTH OF AN ACCESSIBLE ROUTE</p>		
<p>ACCESSIBLE ROUTES</p>		
<p>FIG. 307.2 LIMITS OF PROTRUDING OBJECTS</p>	<p>FIG. 307.4 REDUCED VERTICAL CLEARANCE</p>	
<p>PROTRUDING OBJECTS</p>		
<p>FIG. 504.5 STAIR NOSINGS</p>	<p>FIG. 505.10.2 STAIR HANDRAIL EXTENSIONS</p>	<p>FIG. 504.2 TREADS FOR ACCESSIBLE STAIRWAYS</p> <p>FIG. 505.4 HANDRAIL HEIGHT</p> <p>FIG. 505.5 HANDRAIL CLEARANCE</p>
<p>STAIRS</p>		

REFERENCE 2009 ANSI

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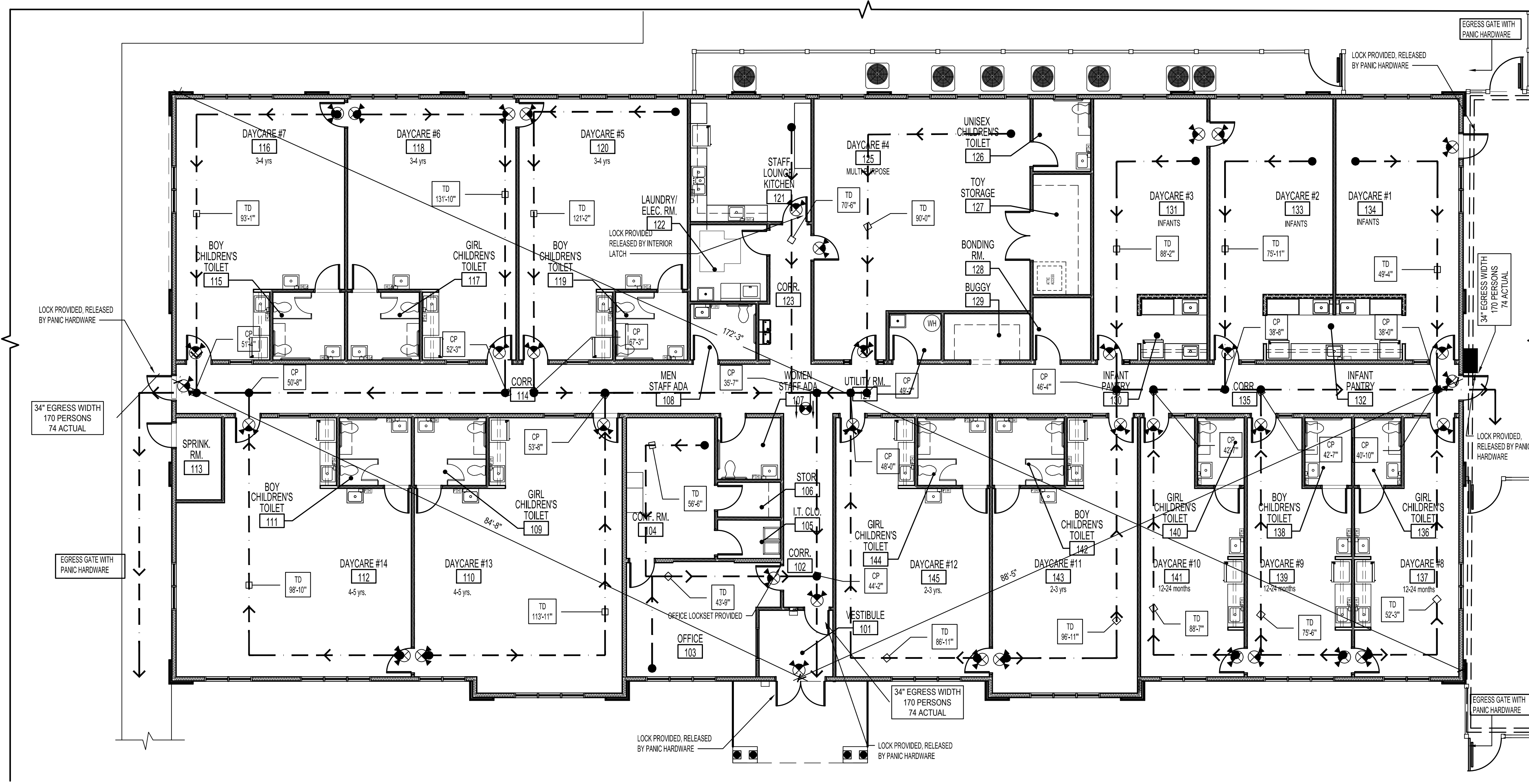
Developer:
STNL Advisors LLC
260 Madison Ave, 5th Flr
New York, NY 10016

Lot: -
Zone: -

SHEET TITLE:
ACCESSIBILITY SHEET

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G007



GENERAL NOTES:
 1. SEE DWG. G002 FOR ADDITIONAL BUILDING CODE INFORMATION.
 2. SEE DWG. G005 FOR GENERAL CONDITIONS.
 3. SEE DWG. A100 FOR CONSTRUCTION PLAN.

JAM ARCH
 IS NOW COLLIER ENGINEERING & DESIGN

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 260 Madison Ave, 5th Flr
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Lot: -
Zone: -

SHEET TITLE:
LIFE SAFETY FLOOR PLAN, LEGEND, & NOTES

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

BUILDING CODE NOTES

Means of Egress
 Occupant Load (Section 1004)
 1. Total Occupancy = 242, see drawing G102.

Means of Egress Sizing (Section 1005.3.2)
 Other Egress = 0.2"
 Number of Egress Doors = 3 x 34" = 102"
 Max. Capacity = 136' / 0.2" = 510 persons
 Actual Capacity = 242 persons, design complies

Group I-4 Means of Egress (Section 1006.2.2.4)
 Two means of egress required for rooms or spaces with an occupancy of 10 children that are 2-1/2 years of age or less. Design complies

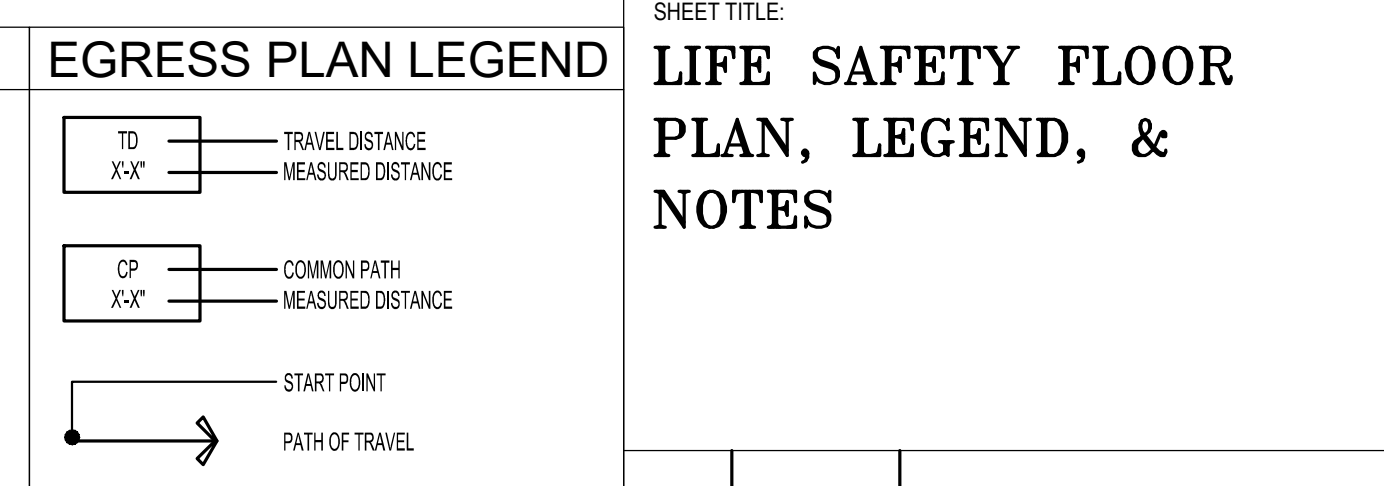
Minimum Number of Exits or Access to Exits Per Story (Table 1006.3.2)
 Two exits required. Three exits provided, design complies.

Exit And Exit Access Doorway Configuration (Section 1007)
 1. Two exits or exit access doorways from any space is required where occupant load exceeds 10.
 2. Section 1015.2.1. Where two exits are required, exits shall be placed a distance apart equal to not less than one-third of the length of the maximum overall diagonal dimension of the area to be served measured in a straight line between exits. (Exception #2)
 Calculation:
 a. First Floor Building diagonal distance = 172'-3" / 3 = 57'-5" minimum distance between exit doors, 88'-5" provided.

Exit Access Travel Distance (Section 1017.2)
 1. Table 1017.2. Use Group I-4: 200 feet maximum travel distance, 131'-10" maximum provided.

Corridors (Section 1020)
 1. Table 1020.1. 0 hour required when sprinklered.

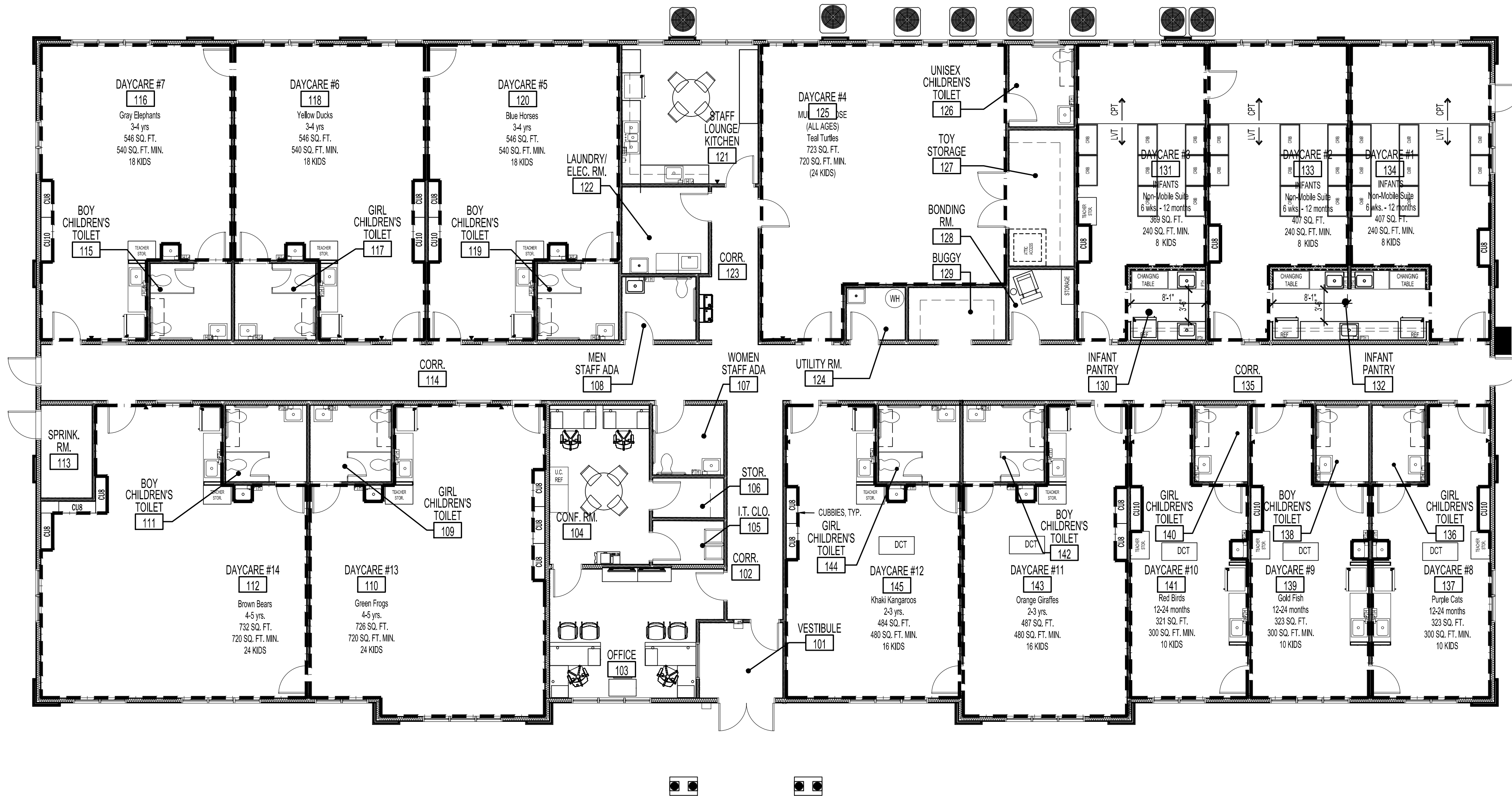
Appendix B Notes
 1. Classroom doors are equipped with door closers with hold open function.
 2. Classroom doors are equipped with an intruder lockset.



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G101

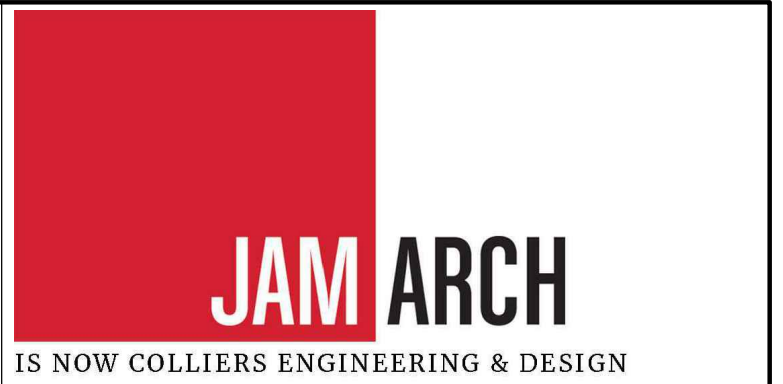


GENERAL NOTES:

1. SEE DWG. G002 FOR BUILDING CODE INFORMATION.
2. SEE DWG. G005 FOR GENERAL CONDITIONS.
3. SEE DWG. A100 FOR CONSTRUCTION PLANS.

LICENSING NOTES:

1. ALL CLASSROOMS DESIGNED UNDER GROUP 1.4.
2. BUILDING IS FULLY SPRINKLERED.
3. BUILDING EQUIPPED WITH EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM PER GROUP E.
4. EGRESS TO THE CORRIDOR IS PERMITTED.
5. THE PLAN LAYOUT IS BASED ON THE NC STAR PROGRAM AND COMPLIES WITH THE REGULATIONS FOR 7 POINTS FOR CLASSROOM LICENSING. THE PLAYGROUND IS ABOVE THE REQUIREMENT TO MEET 7 POINTS (6,300 SF). SEE DRAWING A700 FOR THE PLAYGROUND PLAN.



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SHEET TITLE:
LICENSING FLOOR PLAN,
LICENSING CHART,
& NOTES

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

Plumbing Requirements (2018 North Carolina Plumbing Code – Table 403.1)

NUMBER OF PERSONS OF EACH SEX	PLUMBING FIXTURES		WATER CLOSETS				LAVATORIES				DRINKING FOUNTAINS	OTHER	
	M	W	CHILD CARE (1 per 15)	EMPLOYEES (1 per 25)	CHILD CARE (1 per 25)	EMPLOYEES (1 per 35)	PERSONS (1 per 100)	MOP SINK					
CHILD CARE 158/12	79	79	MIN. REQUIRED	5	5	1	1	3	3	1	1	1	0
EMPLOYEES 30/2	15	15	PROVIDED	8	9	1	1	16	17	1	1	2	1

*COUNT DOES NOT INCLUDE CHILDREN BELOW 2 YEARS OF AGE PER AHJ
NOTES:
 1. OCCUPANCY COUNT IS BASED UPON 1 OCCUPANT TO 35 SQ.FT.
 2. PLUMBING COUNT IS BASED UPON 1-4

LICENSING CHART

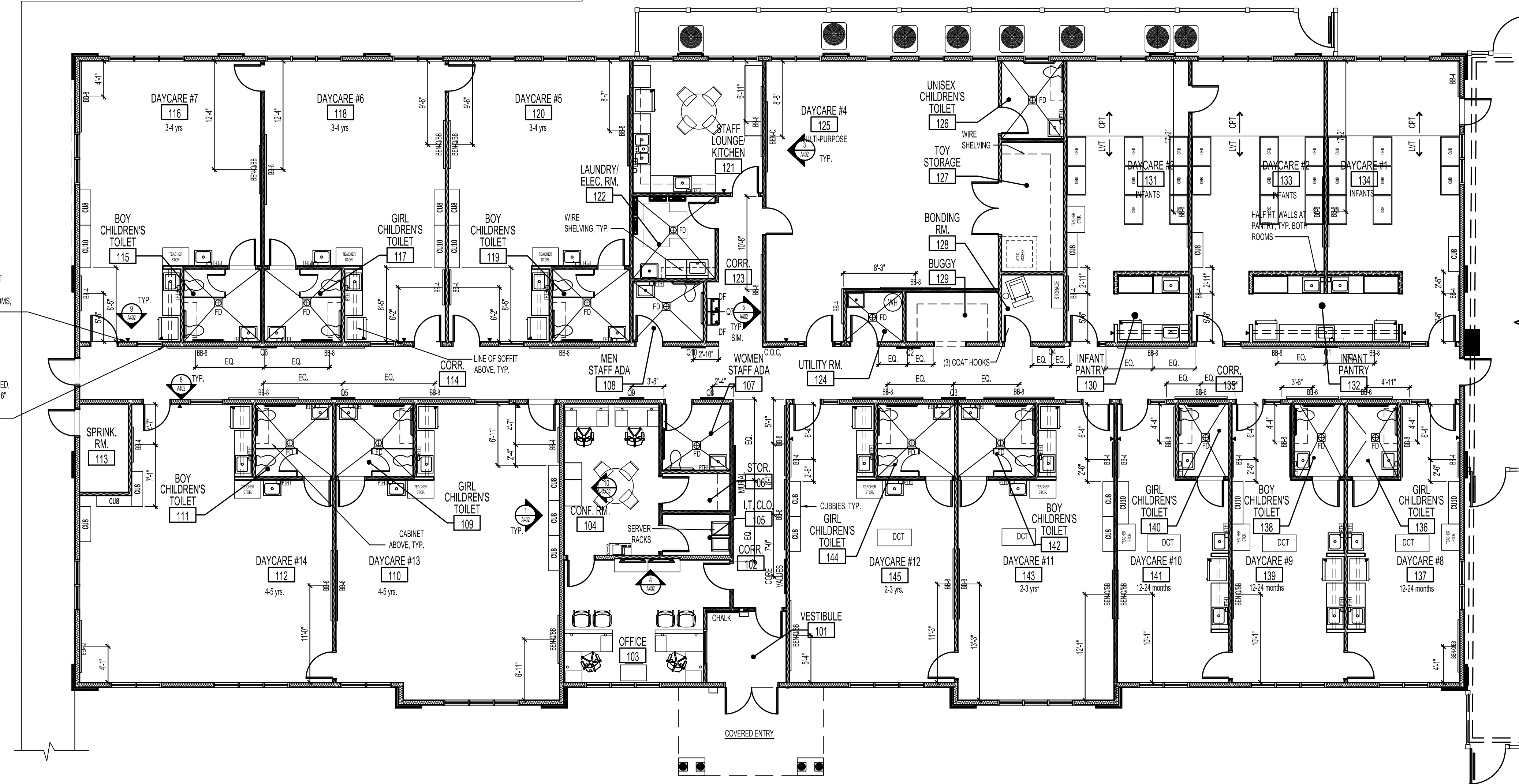
OVERALL BUILDING AREA: 11,453 SQ.FT.

ROOM	ACTUAL AREA	REQUIRED AREA	AGE	TYPE	TEACHER : CHILD RATIO	MAX # OF CHILDREN	# OF STAFF
OFFICE	306	-	-	-	-	-	3
STAFF LOUNGE	141	-	-	-	-	-	0
DAYCARE #1	407	240	6 Weeks to 12 Months	Infants	1 : 4	8	2
DAYCARE #2	407	240	6 Weeks to 12 Months	Infants	1 : 4	8	2
DAYCARE #3	369	240	6 Weeks to 12 Months	Infants	1 : 4	8	2
DAYCARE #4	723	720	Multi-Purpose	All	-	24 (AFTERSCHOOL)	1
DAYCARE #5	546	540	3 to 4 Years	Pre School	1 : 9	18	2
DAYCARE #6	546	540	3 to 4 Years	Pre School	1 : 9	18	2
DAYCARE #7	546	540	3 to 4 Years	Pre School	1 : 9	18	2
DAYCARE #8	323	300	12 to 24 Months	Young Toddlers	1 : 5	10	2
DAYCARE #9	323	300	12 to 24 Months	Young Toddlers	1 : 5	10	2
DAYCARE #10	321	300	12 to 24 Months	Young Toddlers	1 : 5	10	2
DAYCARE #11	487	480	2 to 3 Years	Toddlers	1 : 8	16	2
DAYCARE #12	484	480	2 to 3 Years	Toddlers	1 : 8	16	2
DAYCARE #13	726	720	4 to 5 Years	Pre K	1 : 12	24	2
DAYCARE #14	734	720	4 to 5 Years	Pre K	1 : 12	24	2
Total	7,389					212	30

NOTE: THIS PLAN AND LICENSING CHART REFLECTS THE NORTH CAROLINA ADMINISTRATIVE CODE - CHILD CARE RULES - ENHANCED SPACE REQUIREMENTS WITH THE 30 SQ.FT. PER CHILD INDOOR AREA REQUIREMENT AND 75 SQ.FT. PER CHILD OUTDOOR AREA REQUIREMENT FOR ONE-THIRD OF THE TOTAL CAPACITY. THE ENHANCED TEACHER/CHILD RATIO AND THE GROUP SIZES SHOWN ABOVE WILL EARN SEVEN POINTS FOR PROGRAM STANDARDS.

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SHEET NO.
G102



PHONE, SPEAKERS, LIGHT SWITCH AND OUTLET LOCATIONS @ CLASSROOMS, TYP.

UNLESS OTHERWISE NOTED, BULLETIN BOARDS TO BE 6" FROM EDGE OF VIEWING PANEL FRAMES, TYP.

- GENERAL NOTES:**
- SEE DWG. G002 FOR BUILDING CODE INFORMATION.
 - SEE DWG. G005 FOR GENERAL CONDITIONS.
 - SEE DWG. A-100 FOR CONSTRUCTION PLAN.
 - SEE DWG. A-400 FOR CUBBIES, EQUIPMENT AND ACCESSORIES.
 - SEE DWG. A-401 FOR TYPICAL CABINETRY AND ACCESSORIES.
 - SEE DWG. A-402 FOR CUBBIES, EQUIPMENT AND ADDITIONAL ELEVATIONS AND DETAILS.
 - SEE DWG. A-404 FOR INTERIOR ELEVATIONS.
 - CONTRACTOR TO INSTALL ARTWORK. CONTRACTOR TO COORDINATE FINAL LOCATIONS WITH LIGHTBRIDGE ACADEMY. ARTWORK PROVIDED BY LIGHTBRIDGE ACADEMY.



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Lot: -
Zone: -

SHEET TITLE:
FURNITURE FLOOR PLAN & NOTES

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

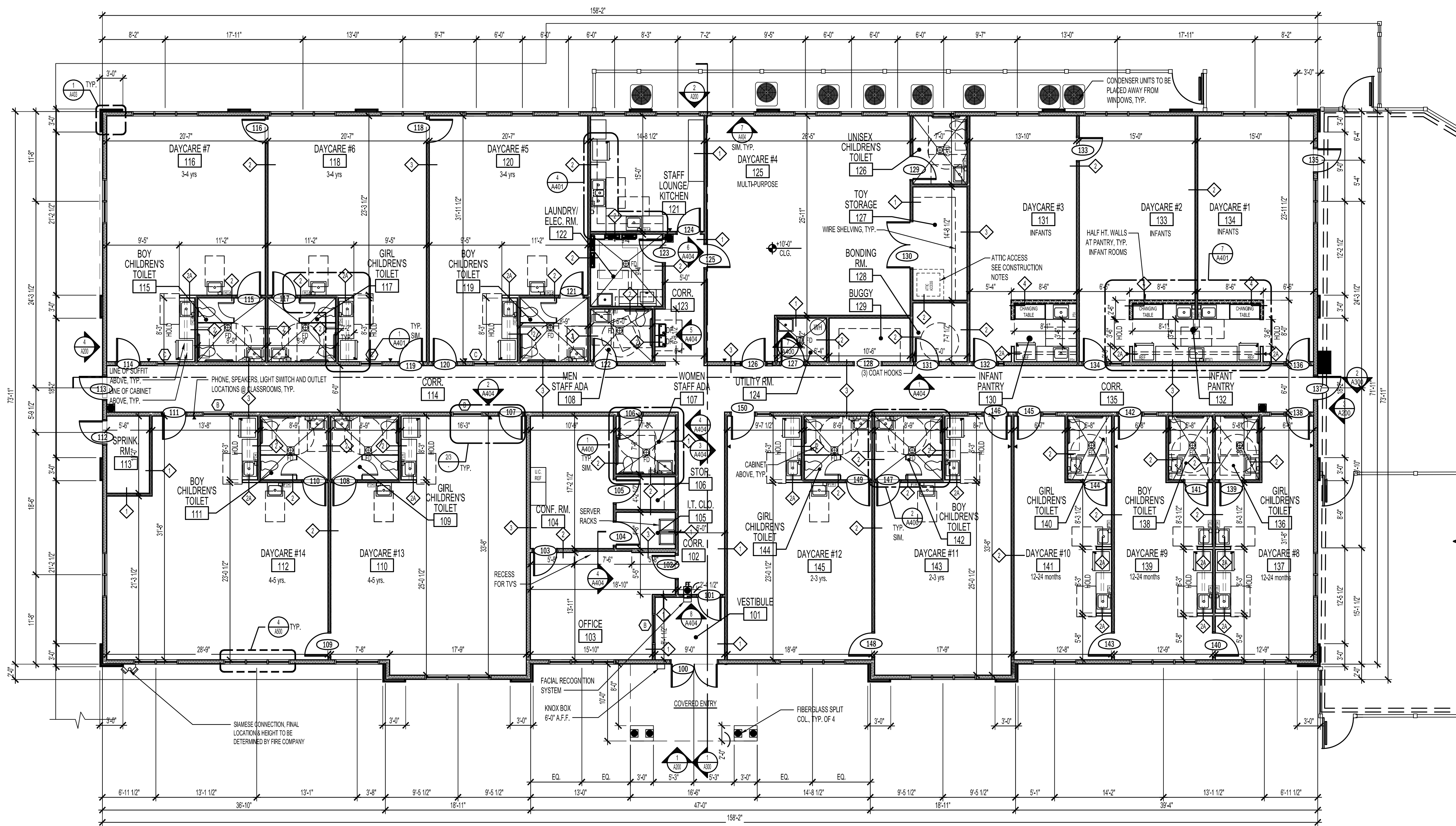
FURNITURE PLAN LEGEND

BB-4	BULLETIN BOARD - 4'x4'
BB-X	BULLETIN BOARD (X = LENGTH OF BULLETIN BOARD IN FEET)
BB-OB.B	BULLETIN BOARD (3'-3x5'-6") INSTALLED; WIRING FOR FUTURE INTERACTIVE BEMO BOARD INSTALLED
BB-IO	INTERACTIVE BEMO BOARD
CUB	CUBBY UNIT - 8 CUBBIES
CUB10	CUBBY UNIT - 10 CUBBIES
TEACHER STOR.	TEACHER STORAGE CABINET
CRB	INFANT CRB
DCT	DIAPER CHANGING TABLE
C.O.C.	CIRCLE OF CARE GRAPHIC
MURAL	MURAL
Q	QUOTE - SEE PROJECT MANUAL
CORE VALUES	CORE VALUES
CHALK	CHALK BOARD - 4'x4'
PTH	PAPER TOWEL HOLDER
SD	SOAP DISPENSER

Rev. #	Date	Remarks
	03/29/2024	ISSUED FOR PERMIT

JOB NUMBER: 2022-01-09
 DATE: 10/07/2022
 DRAWN BY: JAM/KM
 CHECKED BY: JAM

SHEET NO.
G103



GENERAL NOTES:

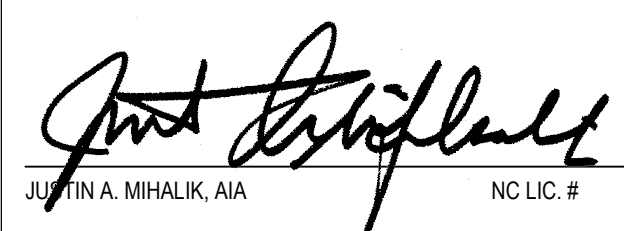
1. SEE DWG. 6105 FOR GENERAL CONDITIONS.
2. SEE DWG. A101 FOR REFLECTED CEILING PLAN.
3. SEE DWG. A102 FOR FINISH PLAN.
4. SEE DWG. A200 FOR BUILDING ELEVATIONS AND WINDOW SCHEDULE.
5. SEE DWG. A400 FOR TOILET ROOM PLANS AND ELEVATIONS.
6. SEE DWG. A600 FOR DOOR SCHEDULE.
7. SEE STRUCTURAL DRAWINGS FOR STRUCTURAL INFORMATION.
8. SEE ENGINEERING DRAWINGS FOR MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION.

CONSTRUCTION NOTES:

1. ALL DIMENSIONS SHOWN ARE FROM FINISH SURFACE TO FINISH SURFACE.
2. FINAL LOCATION OF ALL BULLETIN BOARDS AND CUBBIES TO BE DETERMINED BY LIGHTBRIDGE ACADEMY.
3. CONTRACTOR SHALL COORDINATE SITE INSPECTIONS WITH LIGHTBRIDGE ACADEMY.
4. PROVIDE IN-WALL BLOCKING FOR ALL WALL MOUNTED FURNITURE, EQUIPMENT AND PLUMBING ACCESSORIES.
5. ALL WOOD TRIM TO HAVE 1/4" DIA. ROUNDED CORNERS.
6. PROVIDE CORNER GUARD @ ALL OUTSIDE CORNERS WITHIN CORRIDORS AND CLASSROOMS.
7. ALL COUNTER TOP SURFACES TO BE 3/4" ABOVE FINISHED FLOOR. BASE CABINET TOE KICK TO BE PER MANUFACTURER SPEC'S.
8. SHELVING:
 - A. TOY STORAGE - PROVIDE THREE ROWS OF 16" DEEP WIRE SHELVES WHERE INDICATED ON PLAN AT HEIGHTS 30", 54" & 72" ABOVE FINISHED FLOOR.
 - B. BUGGY ROOM - PROVIDE TWO 16" DEEP WIRE SHELVES WHERE INDICATED ON PLAN AT HEIGHT OF 48" AND 66" ABOVE FINISHED FLOOR.
 - C. LAUNDRY ROOM - PROVIDE ONE 16" DEEP WIRE SHELF WHERE INDICATED ON PLAN AT HEIGHT OF 60" ABOVE FINISHED FLOOR.
9. PROVIDE 48" WIDE CABINET ABOVE A.D.A. TOILET IN CLASSROOM TOILET ROOMS - SEE DRAWING A400.
10. GENERAL CONTRACTOR TO SUBMIT PARTITION LAYOUT DRAWINGS TO ARCHITECT FOR WRITTEN APPROVAL PRIOR TO START OF PARTITION CONSTRUCTION.
11. G.C. TO COORDINATE TRUSS LOCATIONS BASED ON TOILETS AND BOX OUT WASTE PIPES WHERE NEEDED TO MAINTAIN LOCATIONS OF TOILETS ON PLANS.



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NOT VALID FOR CONSTRUCTION WITHOUT SEAL



Project:
LIGHTBRIDGE ACADEMY
 655 Reedy Creek Rd
 Cary, NC 27513

Developer:
 STNL Advisors LLC
 260 Madison Ave, 5th Flr
 New York, NY 10016

Lot: -
Zone: -

SHEET TITLE:
**CONSTRUCTION PLAN,
 DETAILS, LEGEND
 & NOTES**

1 CONSTRUCTION PLAN

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

2 DOOR LOCATION

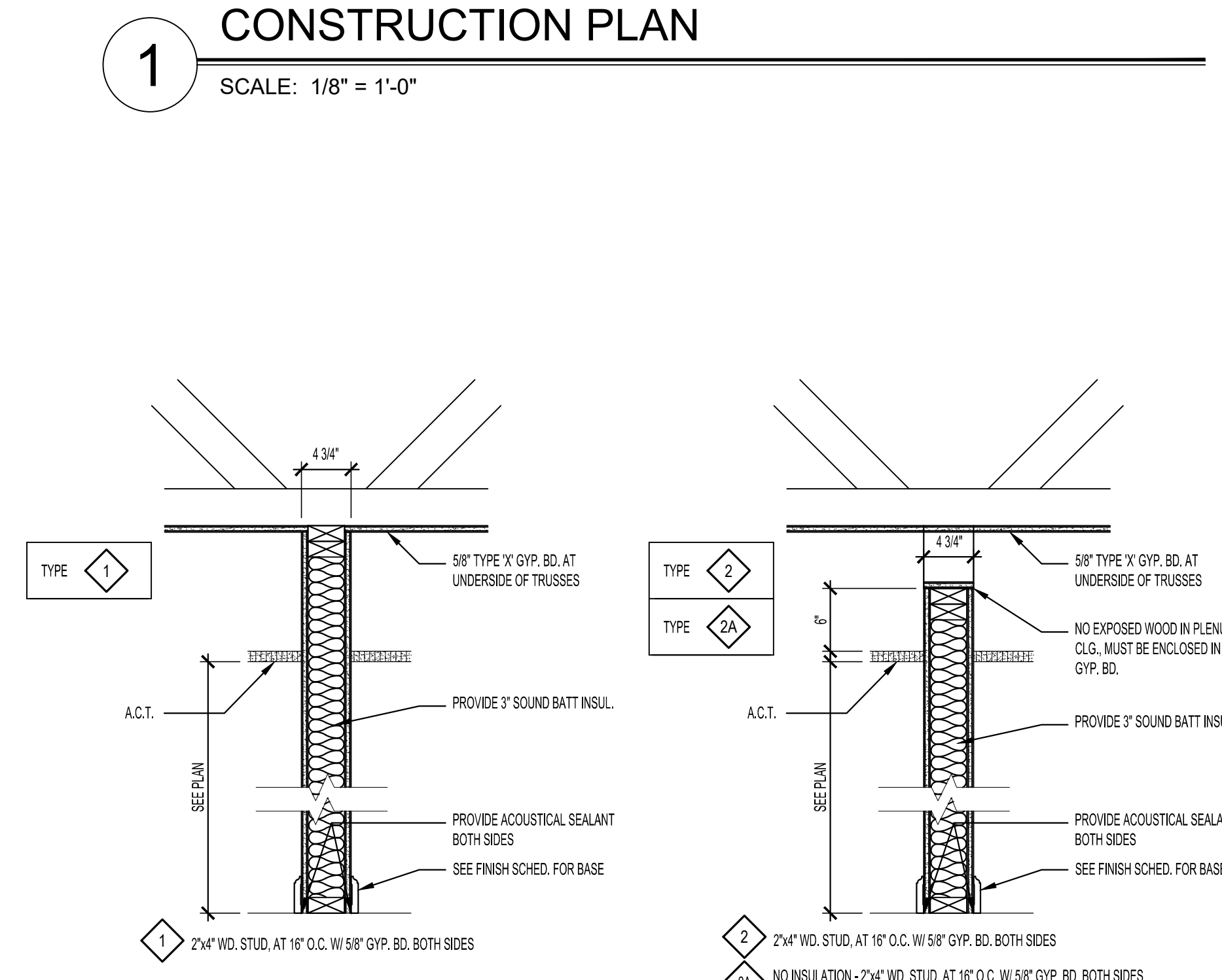
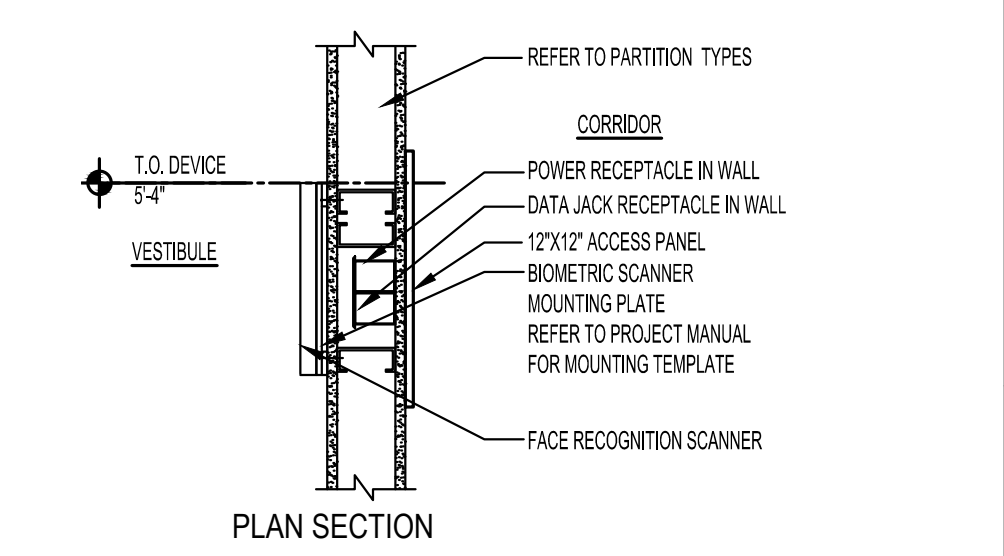
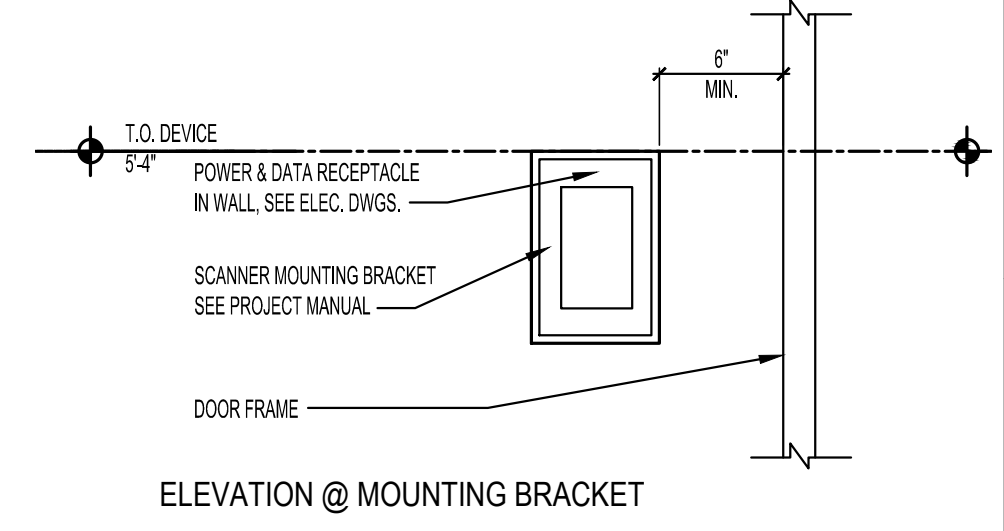
SCALE: 1/4" = 1'-0"

3 VIEWING PANEL LOCATION

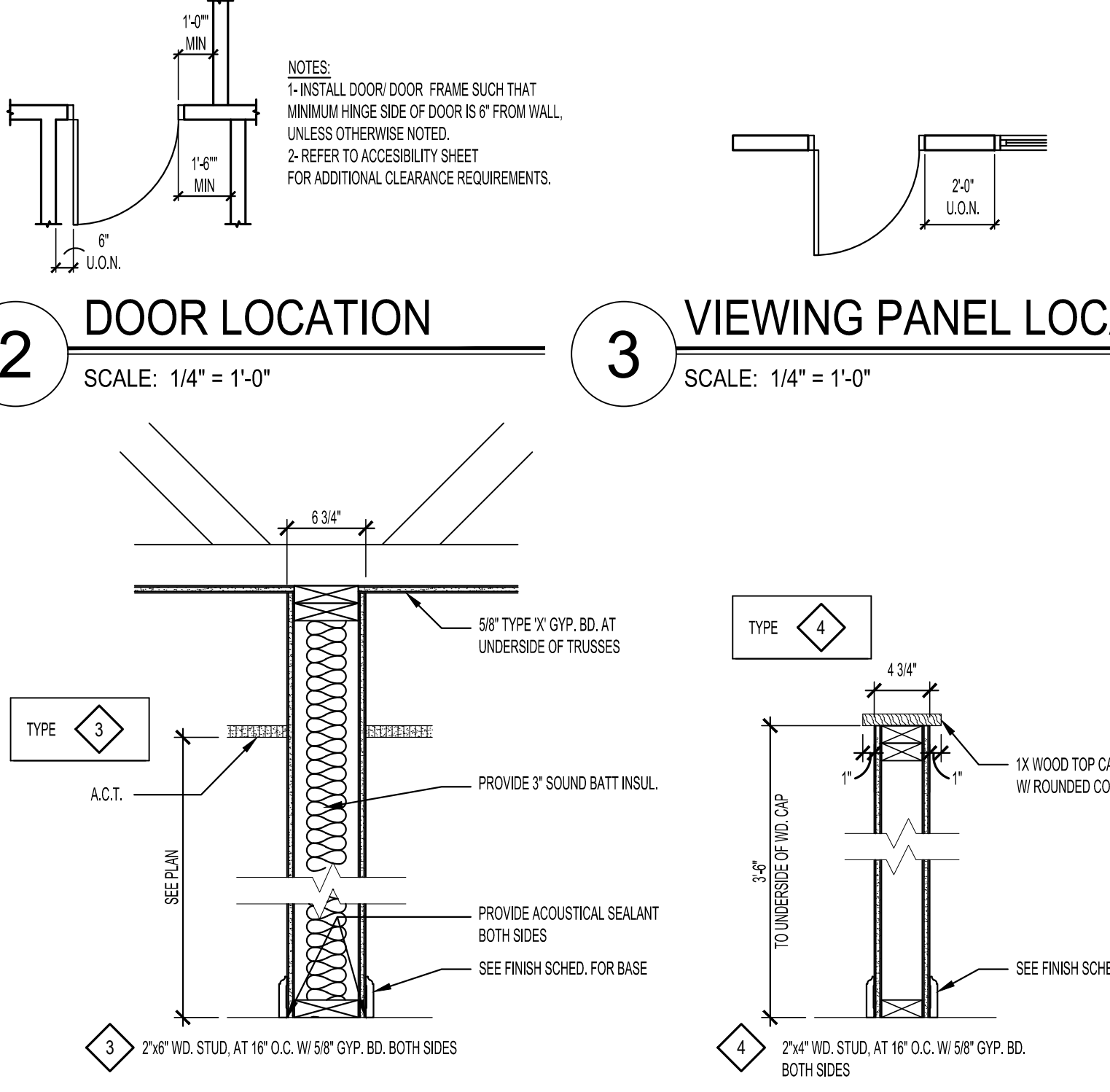
SCALE: 1/4" = 1'-0"

4 FACE RECOGNITION SCANNER PLAN & ELEV.

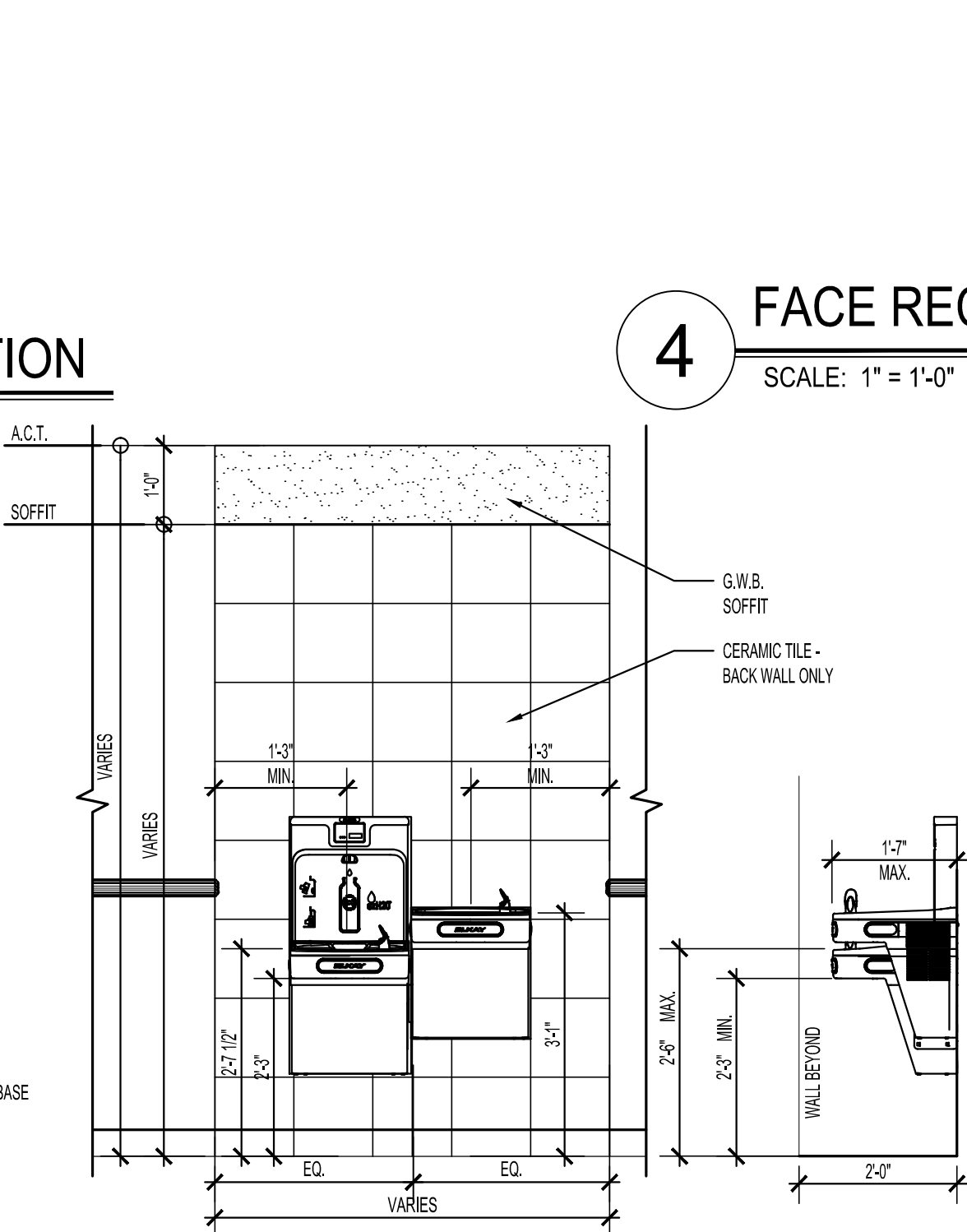
SCALE: 1" = 1'-0"



5 PARTITION TYPES
 N.T.S.



6 WATER FOUNTAIN DETAIL
 SCALE: 1/2" = 1'-0"



6 WATER FOUNTAIN DETAIL
 SCALE: 1/2" = 1'-0"

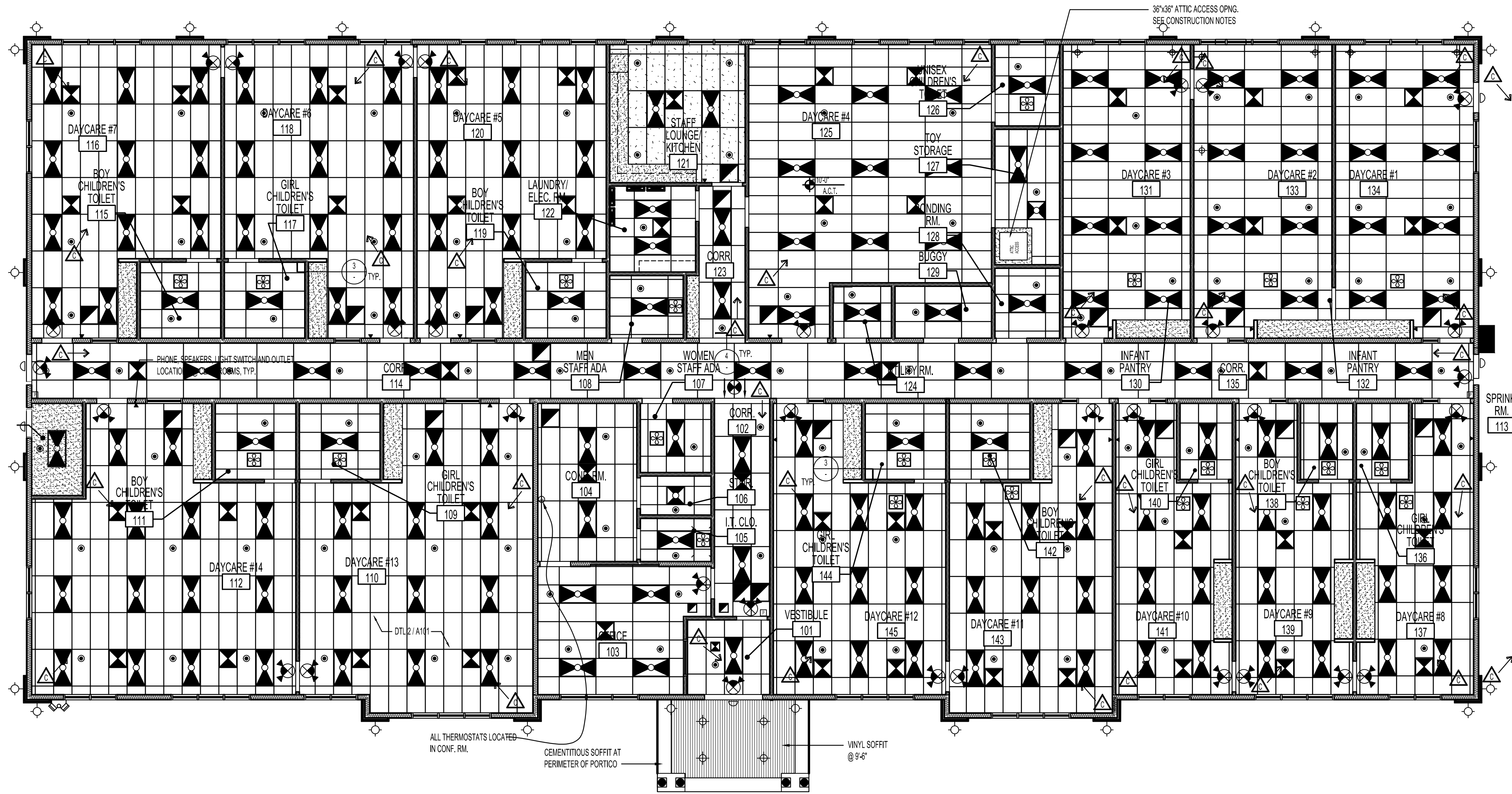
FLOOR PLAN LEGEND

[Symbol]	EXISTING PARTITION
[Symbol]	WALL BLOCKING
[Symbol]	NEW PARTITION - SEE PARTITION TYPES
[Symbol]	NEW DOOR
[Symbol]	DOOR NUMBER
[Symbol]	PARTITION TYPE, SEE DETAIL 5
[Symbol]	GLAZING FRAME TYPE
[Symbol]	DETAIL NO.
[Symbol]	DRAWING NO.
[Symbol]	FLOOR DRAIN
[Symbol]	FIRE EXTINGUISHER - INSTALL AT 36\"/>

Rev. #	Date	Remarks
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SHEET NO.
A100



GENERAL NOTES:
 1. SEE DWG. A100 FOR FLOOR PLAN.
 2. SEE DWG. A102 FOR FINISH PLAN.
 3. SEE ENGINEERING DRAWINGS FOR MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION.

CONSTRUCTION NOTES:
 1. ALL GYPSUM BOARD CEILINGS AND SOFFITS ARE TO BE PAINTED. SEE FINISH PLAN FOR COLOR.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK ABOVE CEILING AND NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO INSTALLING CEILING GRID.
 3. RETAINING CLIPS ARE TO BE USED ON CEILING IN VESTIBULE.
 4. 36" x 36" ATTIC ACCESS WITH 3/8" MIN. CLEAR HEADROOM. HATCH SHALL HAVE R-10 MIN. INSULATION & WEATHERSTRIPPED.

CEILING LEGEND

	CEILING GRID & TILE
	GYPSUM BOARD
	VINYL-COVERED GYPSUM
	24"x48", WI PRISMATIC LENSE COVER
	24"x24", WI PRISMATIC LENSE COVER
	8" RECESSED LIGHT FIXTURE
	INTERIOR WALL MOUNTED SCONCE
	EXTERIOR WALL MOUNTED SCONCE
	SPRINKLER HEAD
	2'X2' SUPPLY DIFFUSER
	1'X1' SUPPLY DIFFUSER
	2'X2' RETURN DIFFUSER
	1'X1' RETURN DIFFUSER
	EXHAUST FAN XX CFM
	THERMOSTAT
	HORN/STROBE
	EMERGENCY LIGHT
	EXIT SIGN WITH DIRECTIONALS
	EMERGENCY LIGHT WI EXIT SIGN COMBO, WI BATTERY BACKUP
	PULL STATION
	CAMERAS



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Project:
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 655 Reedy Creek Rd
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Developer:
 STNL Advisors LLC
 260 Madison Ave, 5th Flr
 New York, NY 10016

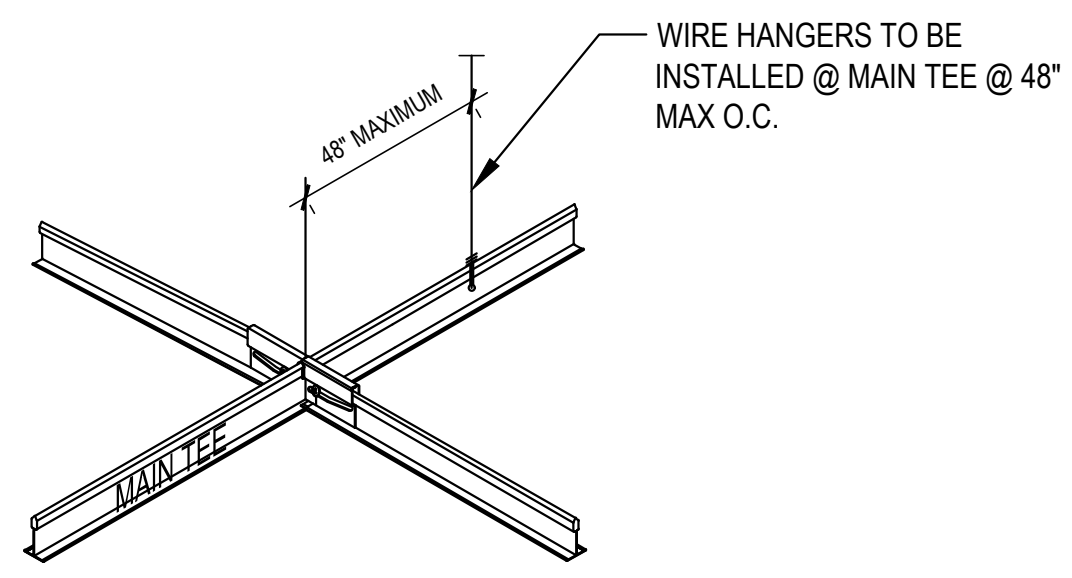
Lot: -
Zone: -

SHEET TITLE:
REFLECTED CEILING PLAN, DETAILS, LEGEND & NOTES

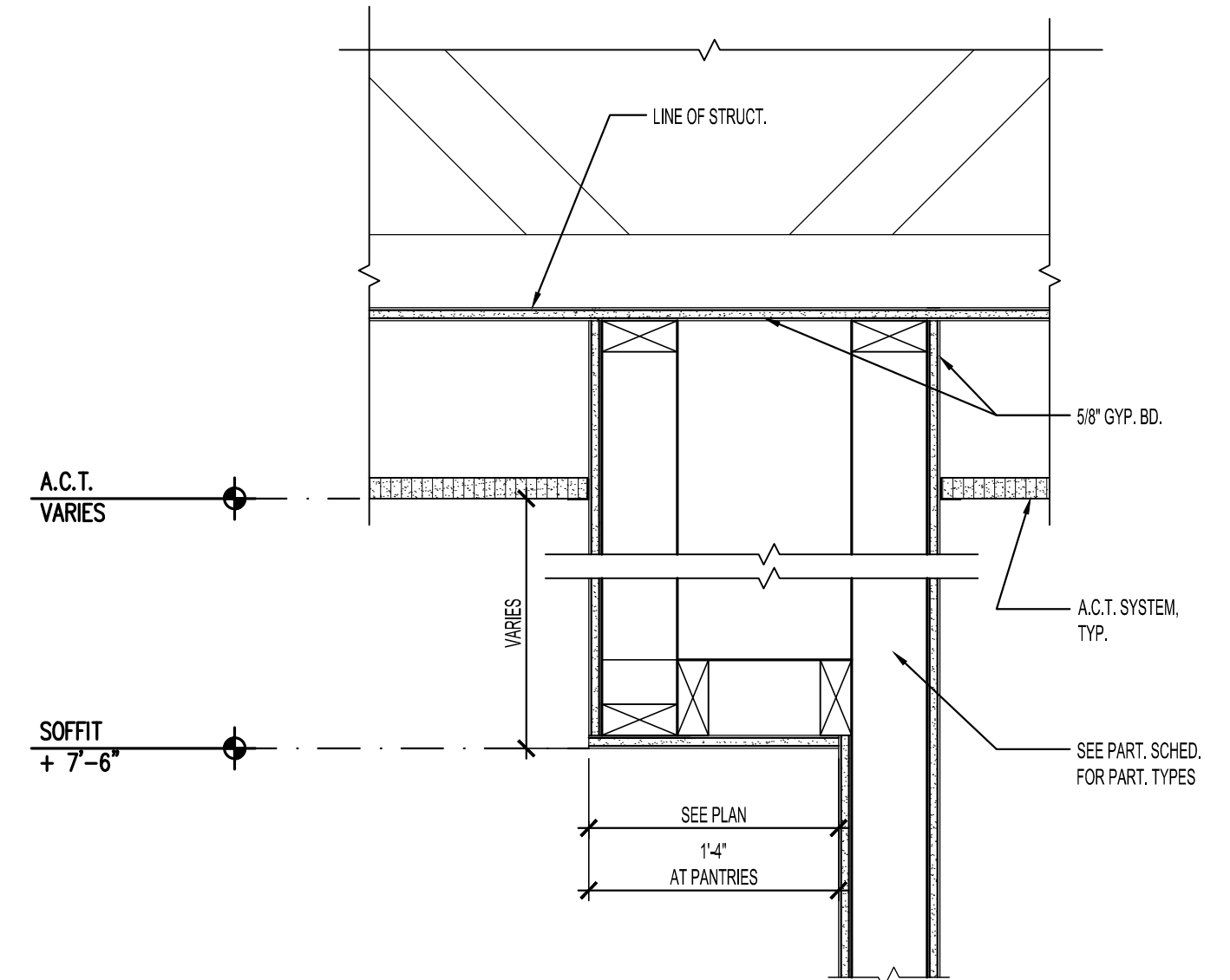
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SHEET NO.
A101

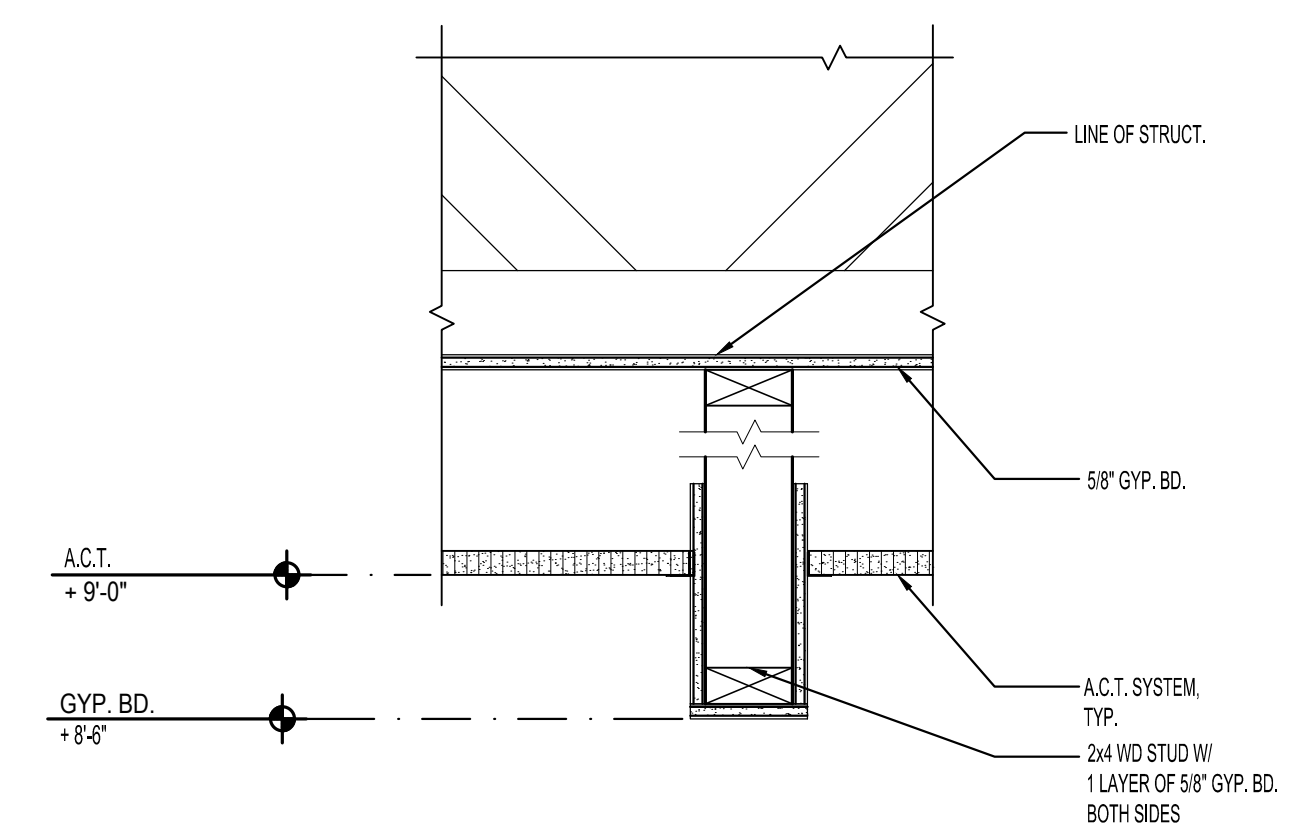
1 REFLECTED CEILING PLAN
 SCALE: 1/8" = 1'-0"



2 ACOUSTICAL CEILING DETAIL
 SCALE: N.T.S.

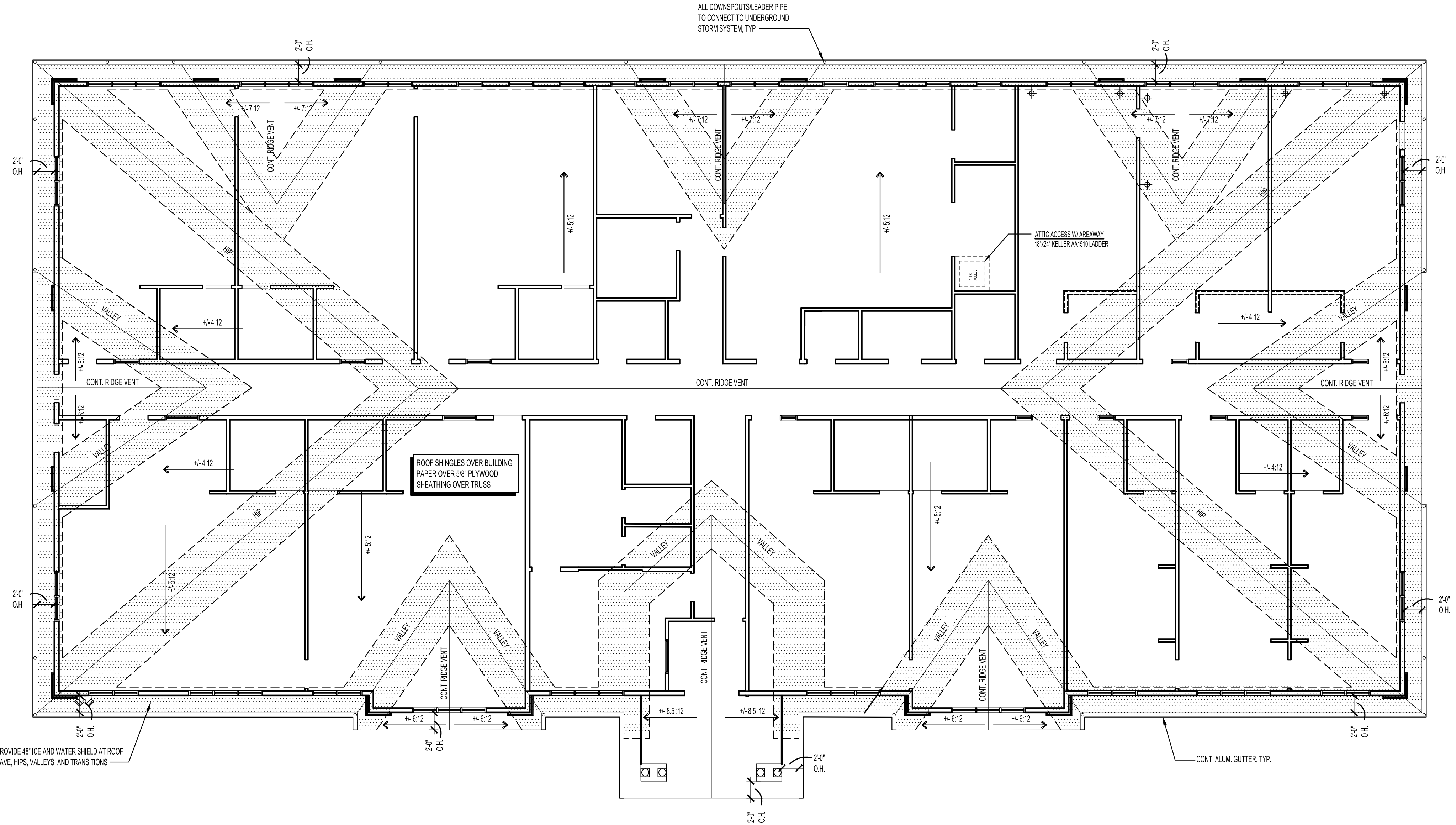


3 SOFFIT DETAIL
 SCALE: 1 1/2" = 1'-0"

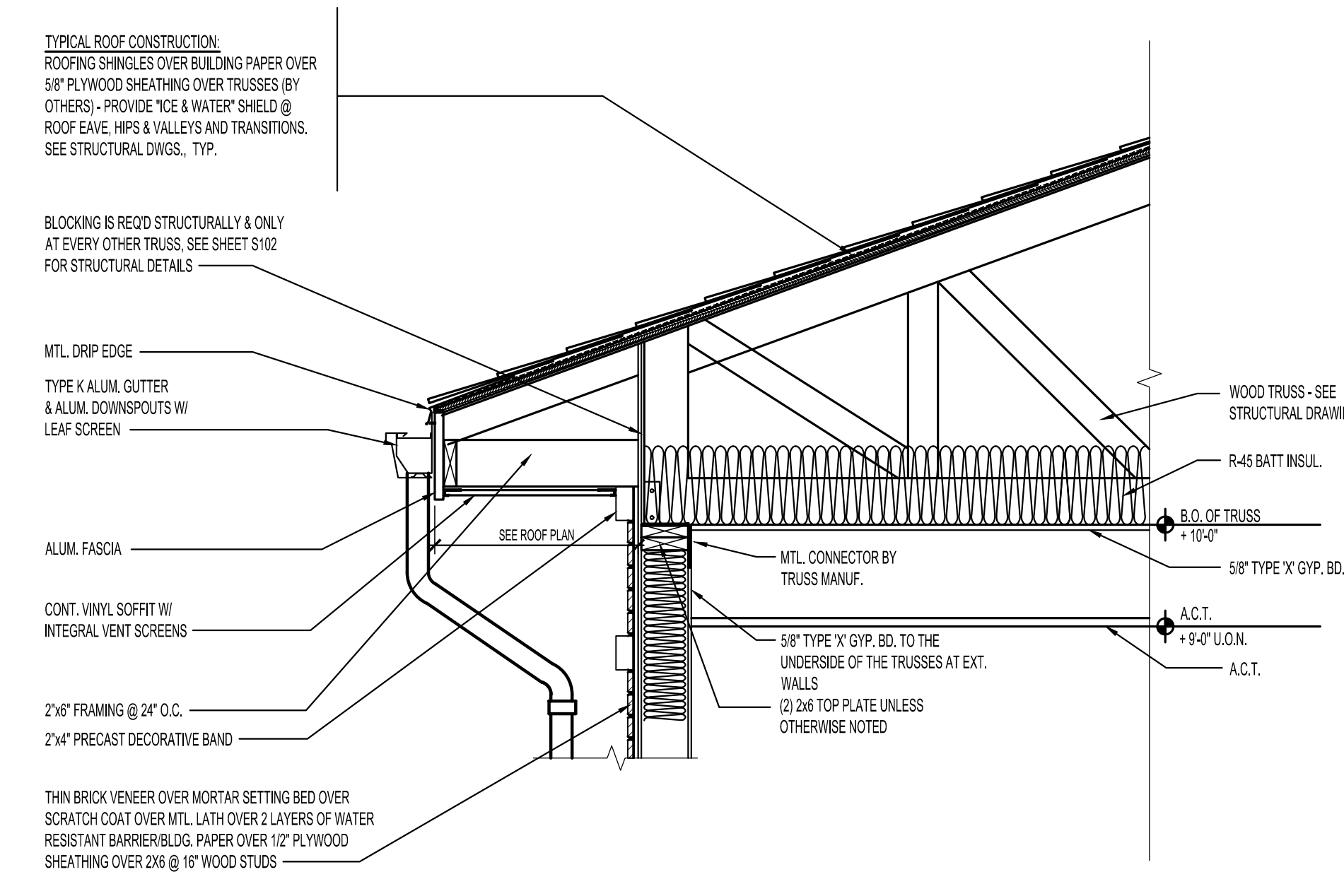


4 SOFFIT DETAIL
 SCALE: 1 1/2" = 1'-0"

ALL DOWNSPOUTS LEADER PIPE TO CONNECT TO UNDERGROUND STORM SYSTEM, TYP.



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



2 EAVE DETAIL
SCALE: 3/4" = 1'-0"

GENERAL NOTES:

- SEE DWG. A100 FOR CONSTRUCTION PLAN.
- SEE STRUCTURAL DRAWINGS FOR ATTIC AND ROOF FRAMING.
- MECHANICAL, PLUMBING, AND ELECTRICAL SERVICE DESIGN TO BE PROVIDED BY THE CONTRACTOR.
- REFER TO SPECIFICATIONS FOR ROOFING, FLASHING, AND RELATED MATERIALS.

CONSTRUCTION NOTES:

- TRUSSES DESIGN TO BE PROVIDED BY A N.C. LICENSED PROFESSIONAL ENGINEER.
- PROVIDE 3/4" PLYWOOD IN ATTIC FOR ACCESS TO MECHANICAL EQUIPMENT.
- ATTIC ACCESS TO BE SIZED FOR LARGEST PIECE OF EQUIPMENT FOR FUTURE REPLACEMENT PER BUILDING CODE.
- ALL PLUMBING WASTE VENT AND EXHAUST VENTS TO BE LOCATED TO THE REAR SIDE OF THE ROOF RIDGE.
- CONTRACTOR SHALL COORDINATE LOCATIONS OF LEADER PIPES W/ SITE DRAINAGE.
- CONTRACTOR TO COORDINATE LOCATIONS OF MECHANICAL EQUIPMENT WITH TRUSS MANUFACTURER.
- SPRINKLERS SHALL BE INSTALLED INTO THE ATTIC/ROOF STRUCTURE. SEE SPRINKLER DWGS.
- PER SECTION 1203.2 OF NCBC, ENCLOSED ROOF ATTIC SHALL HAVE CROSS VENTILATION. AN AIRSPACE OF NOT LESS THAN ONE INCH SHALL BE PROVIDED BETWEEN INSULATION AND ROOF SHEATHING. ROOF VENTILATION REQUIRED: 12,509 SQ.FT./3000 = 41.69 SQ.FT. (6,003 SQ.IN.). 6,003 SQ.IN./2 = 3,001.5 SQ.IN. REQUIRED HIGH AND LOW.

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JUSTIN A. MIHALIK, AIA NC LIC. # 11621



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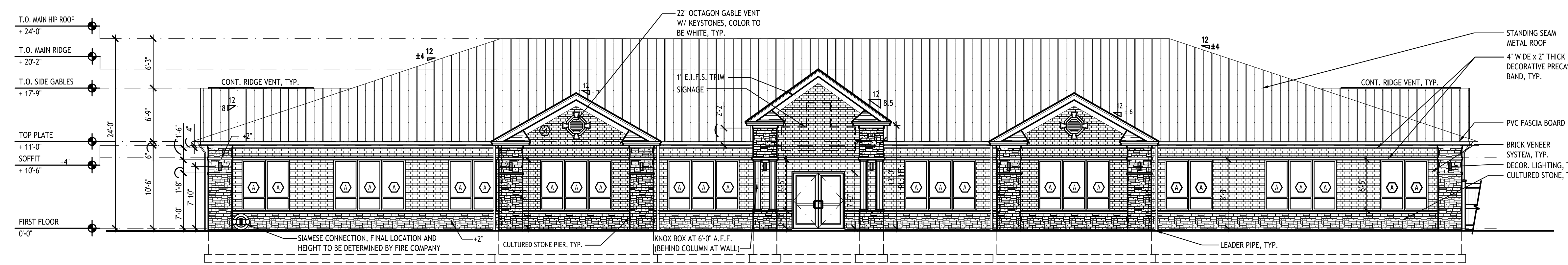
SHEET TITLE:
ROOF PLAN, DETAILS & NOTES

Rev. #	Date	Remarks
03/28/2024		ISSUED FOR PERMIT
JOB NUMBER:	2022-01-09	
DATE:	10/07/2022	
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SHEET NO. A103		

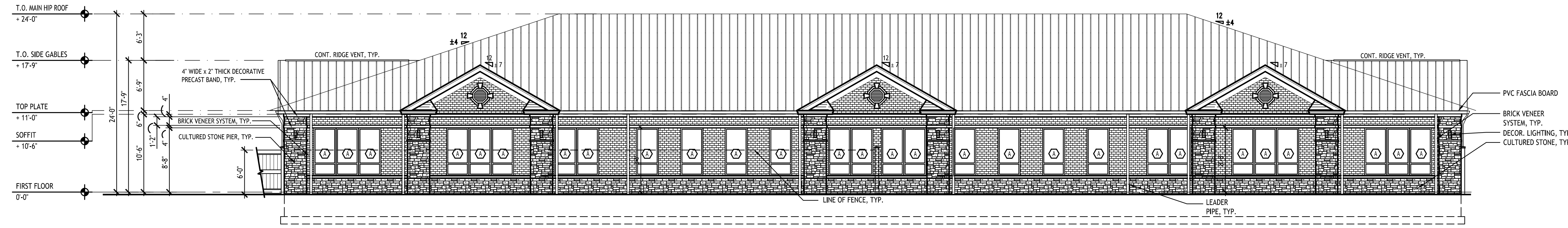
WINDOW SCHEDULE	
○	MODEL
○	SIZE
○	34" x 60"
○	PISS
○	34" x 54 1/8"

FINISH SCHEDULE		
DESCRIPTION	MANUFACTURER	COLOR
○	BRICK	COMMON BRICK
○	CULTURED STONE	UPOLARCHIMBROUGH™
○	PVC TRIM	TED
○	PRECAST CONCRETE BAND	TED
○	STANDING SEAM METAL ROOF	PAC-GLAD
○		SNAP-GLAD-SLATE GRAY

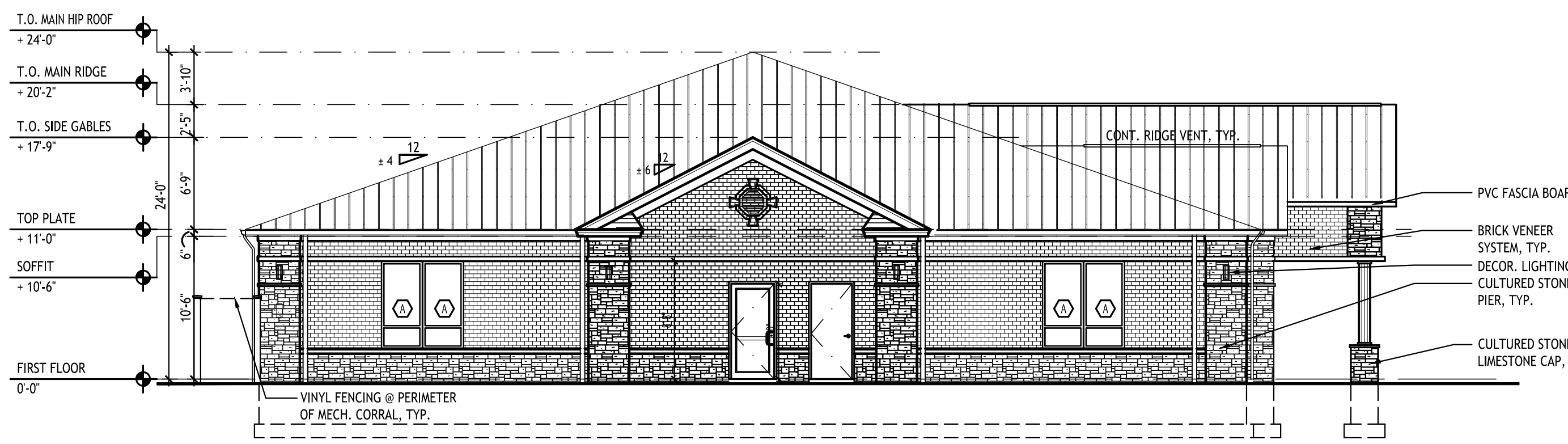
NOTE: ALL MATERIALS ARE OF HIGH-QUALITY, LONG-LASTING MASONRY MATERIAL AND IS MORE THAN THE 75% OF THE MINIMUM SURFACE AREA REQUIREMENT FOR COMMERCIAL AND MIXED-USE BUILDINGS.
 *CULTURED STONE TO BE VERIFIED WITH EXISTING SHOPPING CENTER CULTURED STONE FINISH



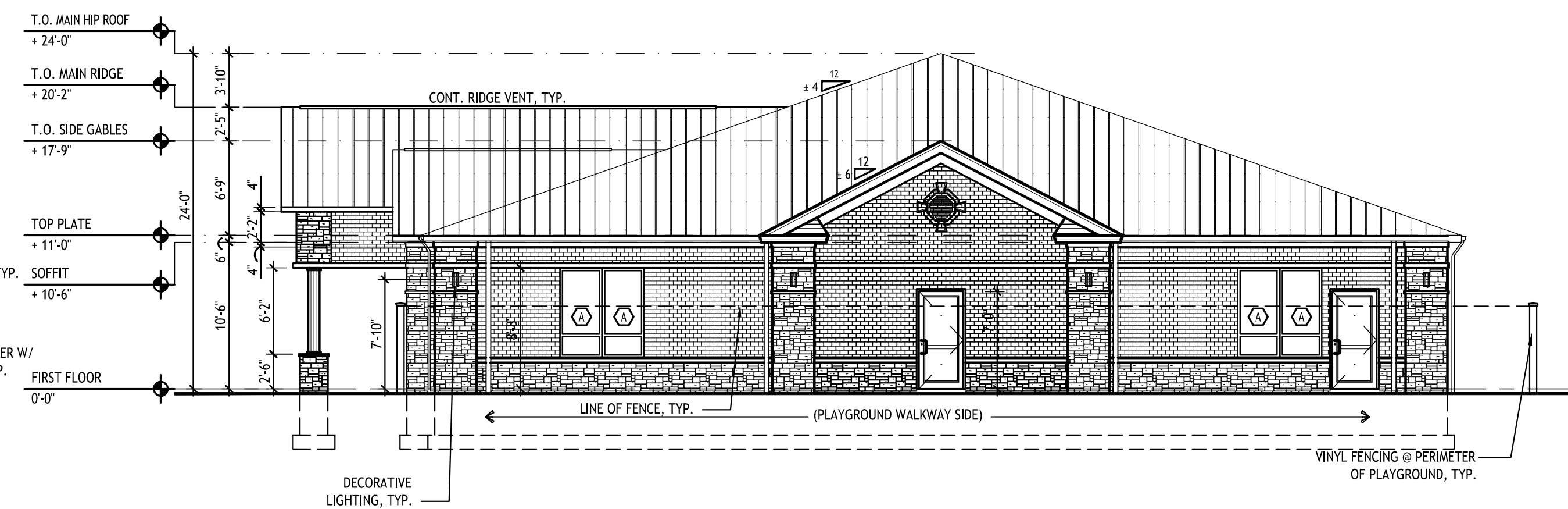
1 FRONT ELEVATION
 SCALE: 1/8" = 1'-0"



2 REAR ELEVATION
 SCALE: 1/8" = 1'-0"



3 RIGHT SIDE ELEVATION
 SCALE: 1/8" = 1'-0"



4 LEFT SIDE ELEVATION
 SCALE: 1/8" = 1'-0"

JAM ARCH
 IS NOW COLLIER ENGINEERING & DESIGN

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Lightbridge Academy
 Innovators in Educational Child Care

Project:
LIGHTBRIDGE ACADEMY
 655 Reedy Creek Rd
 Cary, NC 27513

Developer:
 STNL Advisors LLC
 260 Madison Ave, 5th Flr
 New York, NY 10016

Lot: -
Zone: -

SHEET TITLE:
**BUILDING ELEVATIONS
 SCHEDULES, DETAIL &
 NOTES**

Rev. #	Date	Remarks
03/29/2024		ISSUED FOR PERMIT

JOB NUMBER: 2022-01-09
 DATE: 10/07/2022
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SHEET NO.
A200

Project:
LIGHTBRIDGE ACADEMY
655 Reedy Creek Rd
Cary, NC 27513

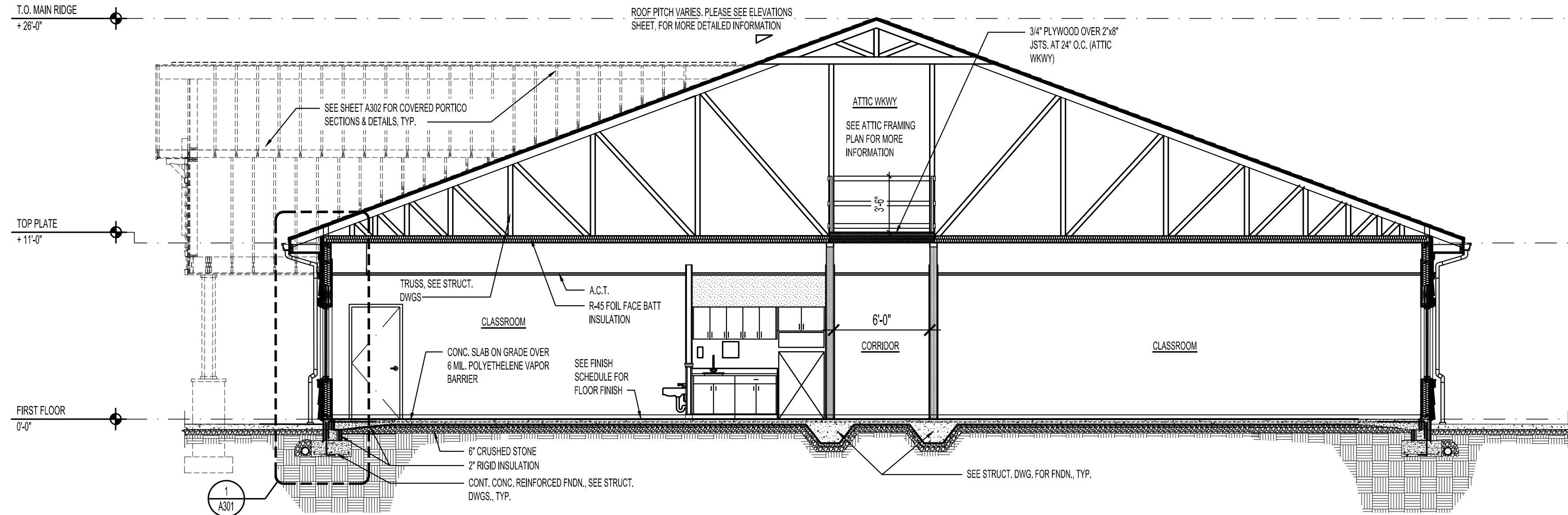
Developer:
STNL Advisors LLC
260 Madison Ave, 5th Flr
New York, NY 10016

Lot: -
Zone: -

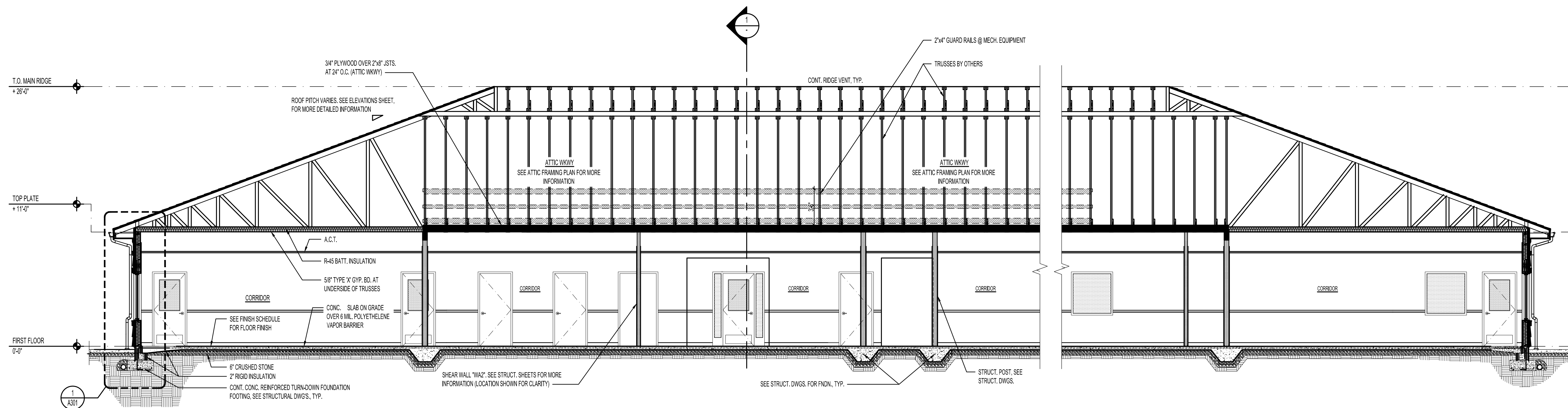
SHEET TITLE:
BUILDING SECTIONS

Rev. #	Date	Remarks
03/29/2024		ISSUED FOR PERMIT
JOB NUMBER:	2022-01-09	
DATE:	10/07/2022	
DRAWN BY:	JAM/KM	
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SHEET NO.
A300



1 BUILDING SECTION
SCALE: 3/16" = 1'-0"



2 BUILDING SECTION
SCALE: 3/16" = 1'-0"

NOT VALID FOR CONSTRUCTION WITHOUT SEAL



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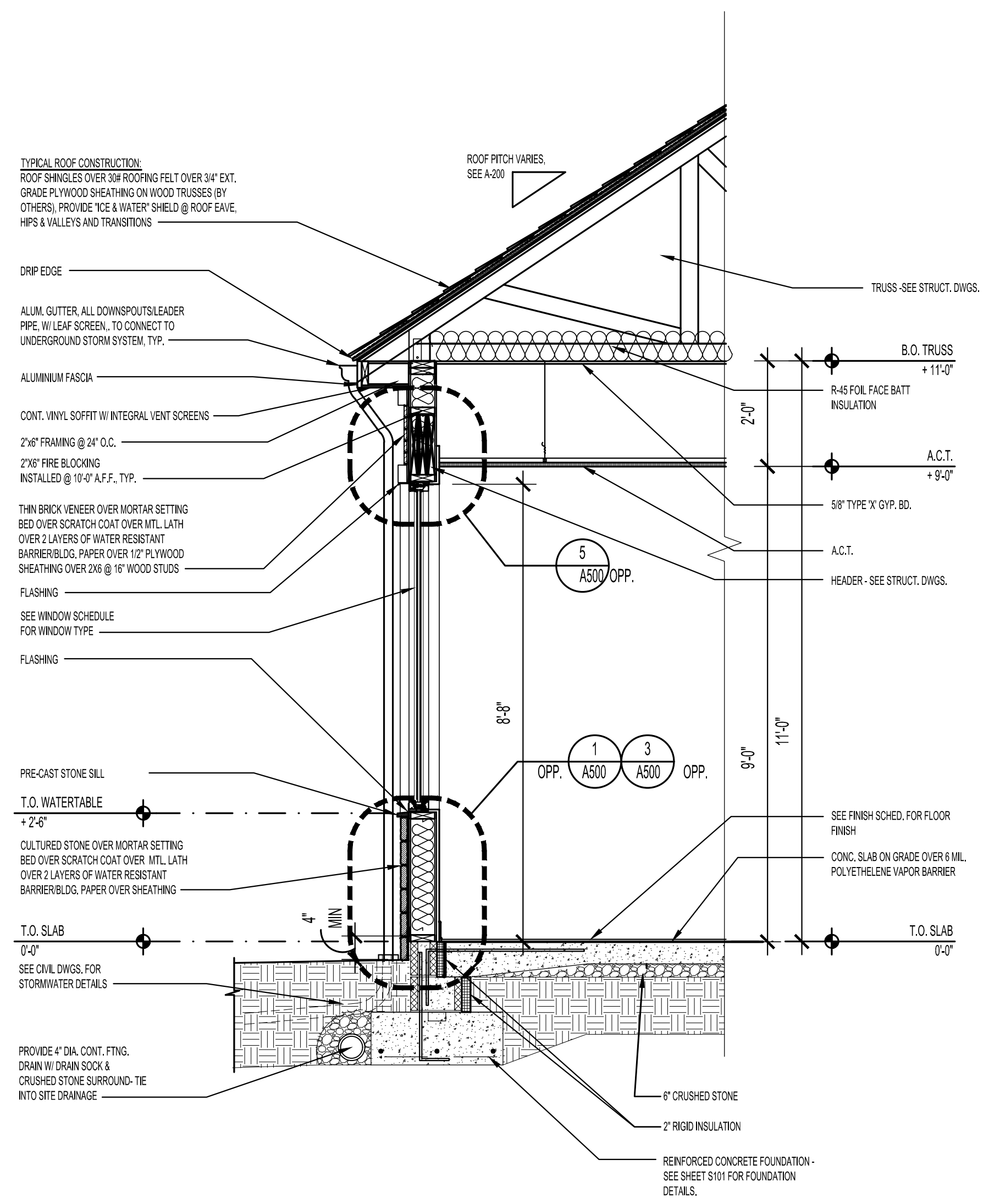
Lot: -
Zone: -

SHEET TITLE:
WALL SECTIONS

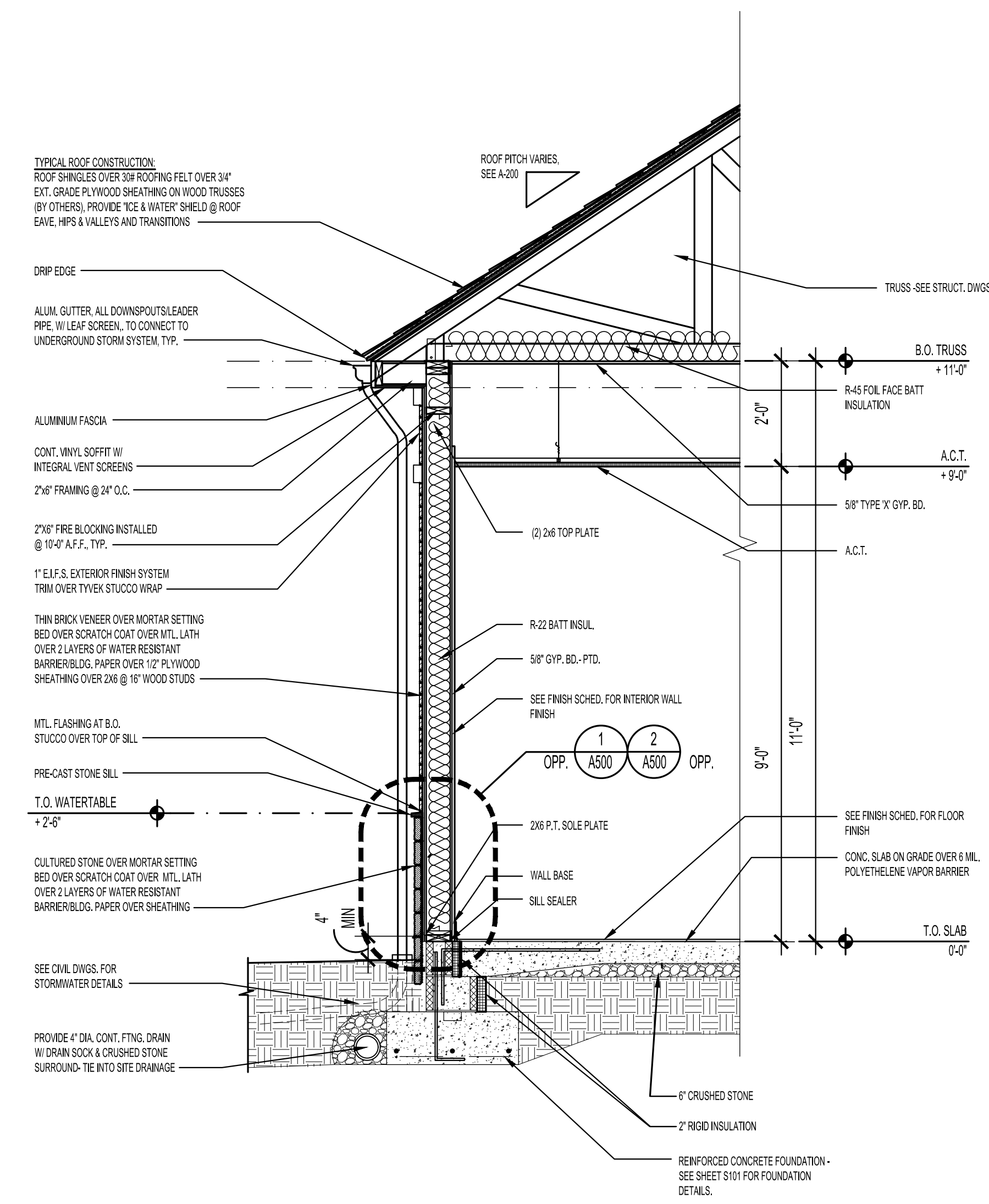
Rev. #	Date	Remarks
03/29/2024		ISSUED FOR PERMIT

JOB NUMBER: 2022-01-09
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DRAWN BY: JAM/KM
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SHEET NO.
A301



1 WALL SECTION AT WINDOW
SCALE: 1/2" = 1'-0"



2 WALL SECTION-TYPICAL
SCALE: 1/2" = 1'-0"

NOT VALID FOR CONSTRUCTION WITHOUT SEAL



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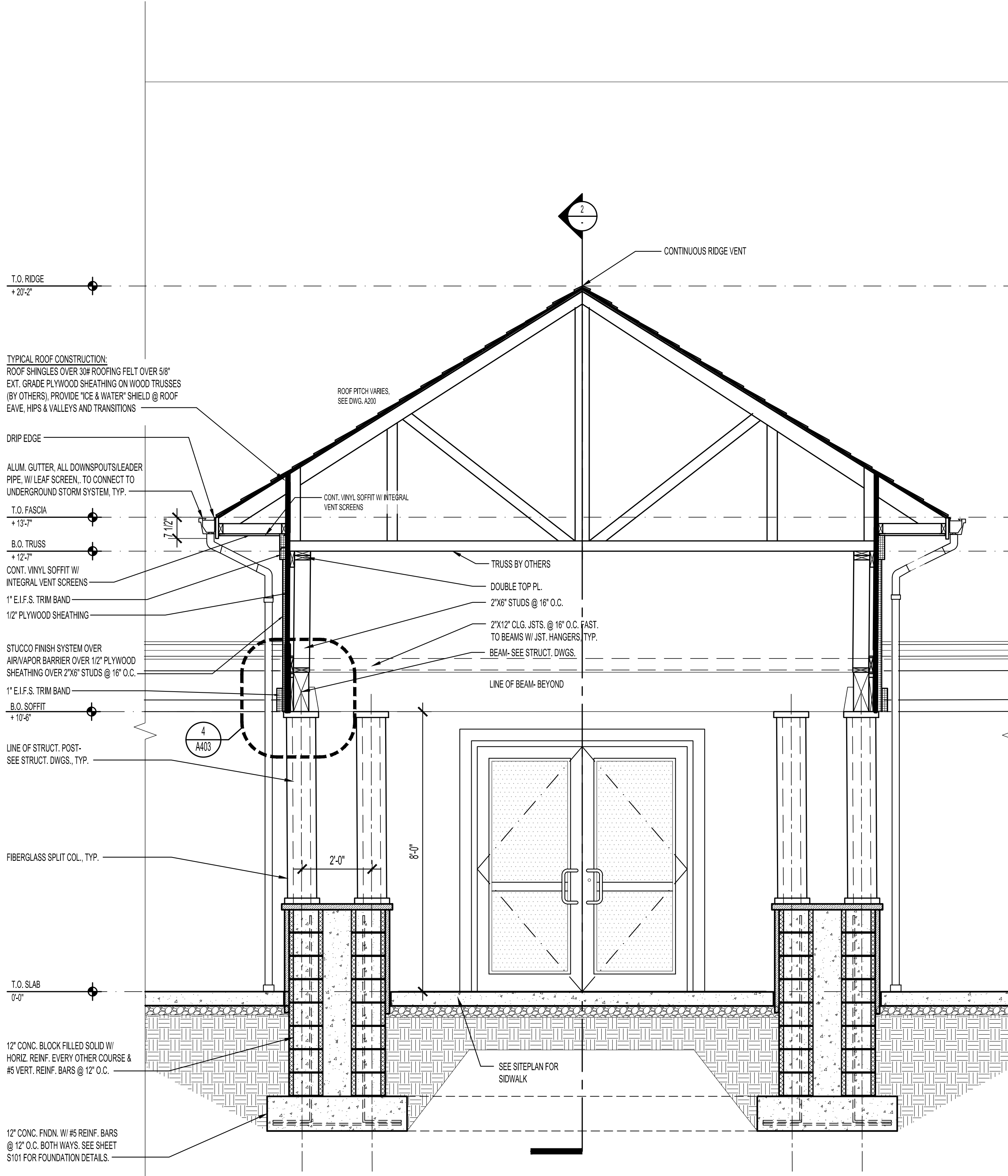
Lot: -
Zone: -

SHEET TITLE:
PORTICO SECTIONS

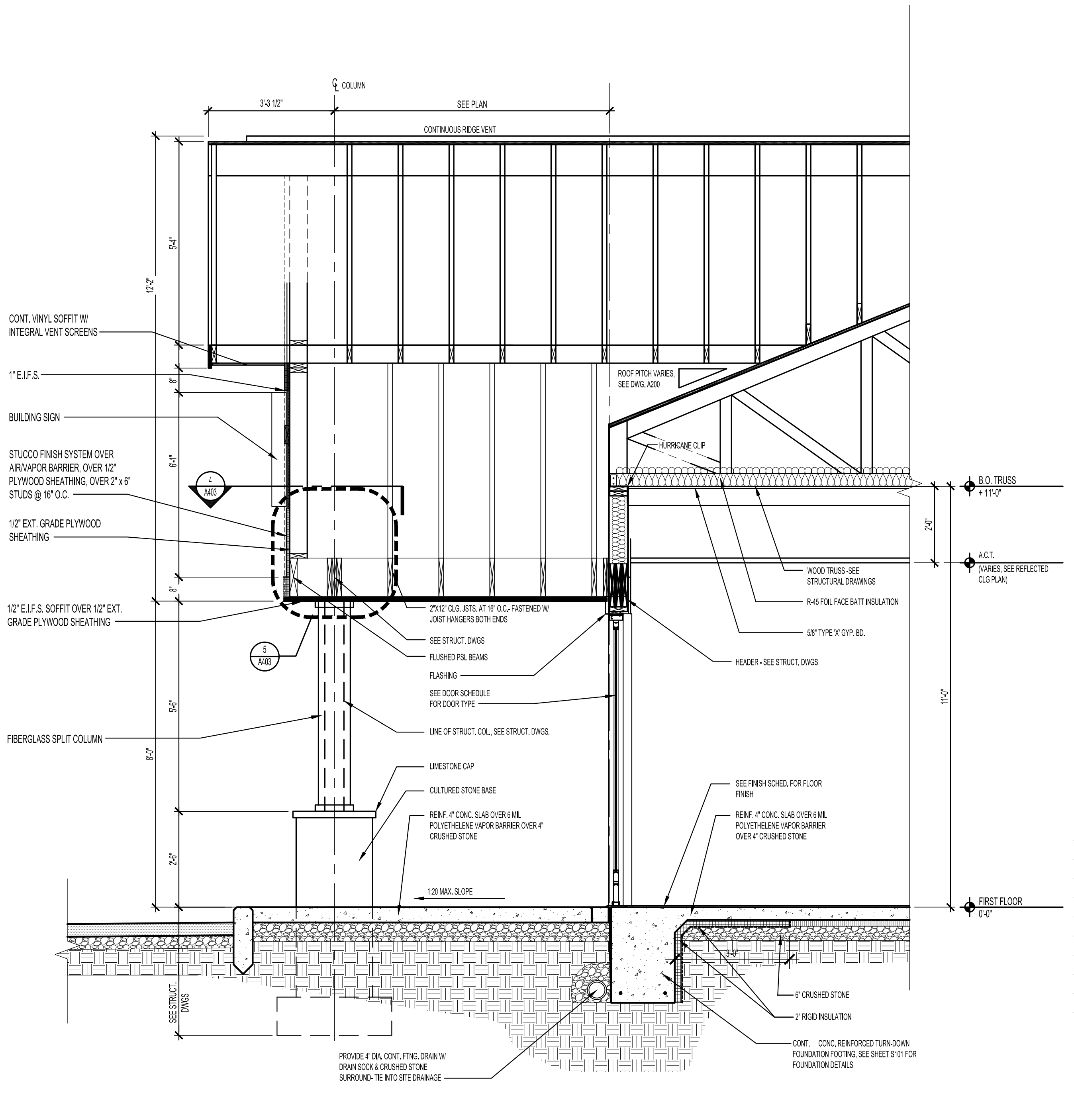
Rev. #	Date	Remarks
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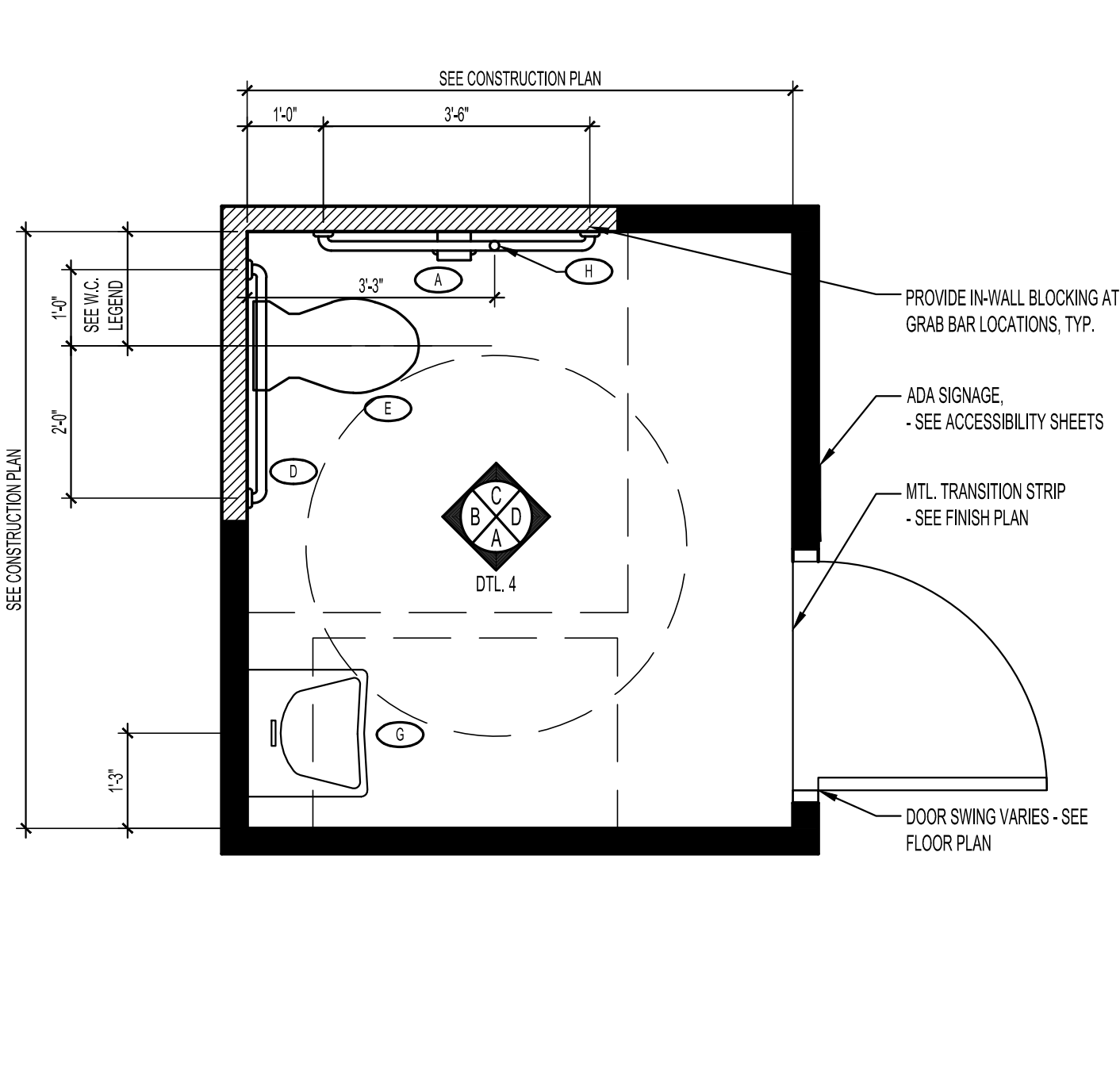
SHEET NO.
A302



1 SECTION @ COVERED ENTRANCE
SCALE: 1/2" = 1'-0"

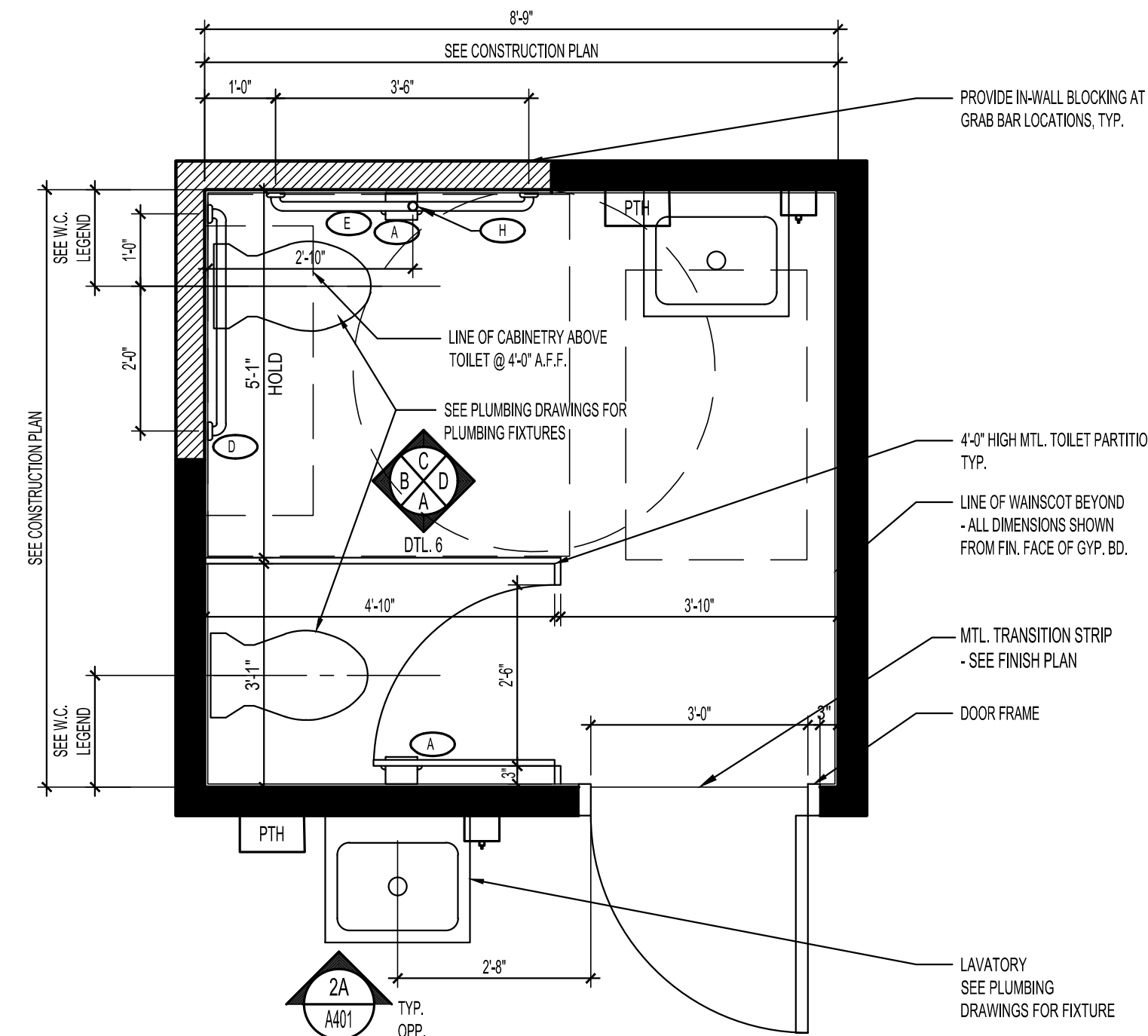


2 SECTION @ COVERED ENTRANCE
SCALE: 1/2" = 1'-0"



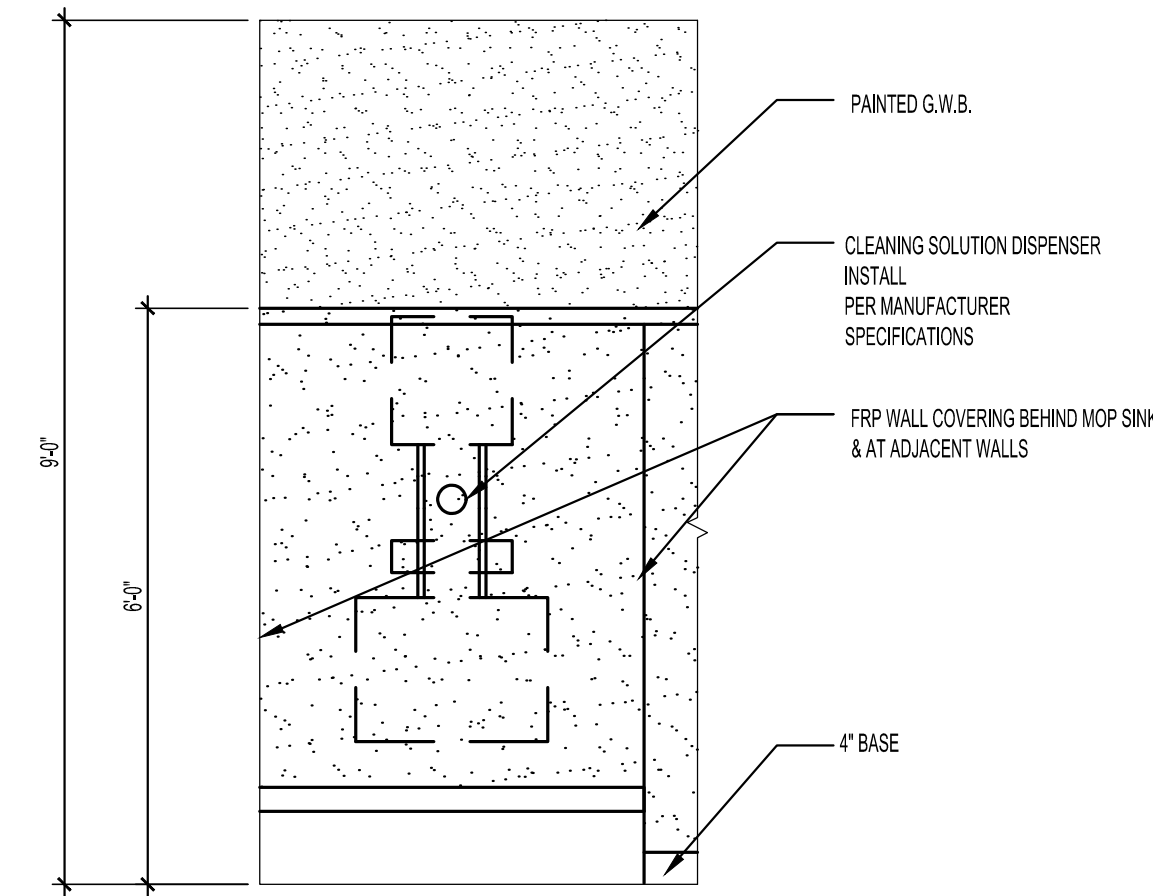
1 TYP. STAFF TOILET PLAN

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



2 TYP. CLASSROOM TOILET PLAN

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



3 ELEVATION @ MOP SINK

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

GENERAL NOTES:

1. SEE DWG. A100 FOR CONSTRUCTION PLANS.
2. SEE DWG. A101 FOR REFLECTED CEILING PLANS.
3. SEE DWG. A102 FOR FINISH PLANS.
4. ALL DIMENSIONS SHOWN ARE FROM FINISH SURFACE TO FINISH SURFACE.
5. ALL MIRRORS ARE TO BE CENTERED WITH LAVATORY.
6. CHILDREN TOILET DESIGN SHALL COMPLY WITH ANSI A117.1, LATEST EDITION.
7. TOILET FLUSH HANDLE TO BE LOCATED ON THE OPEN ROOM SIDE OF THE TOILET.
8. PROVIDE WOOD BLOCKING FOR ALL WALL MOUNTED FURNITURE, EQUIPMENT AND PLUMBING ACCESSORIES.
9. SEE DWG. G102.1 & G102.2 FOR ADA/BRaille SIGNAGE
10. SEE SPECIFICATION FOR METAL TILE TRIM AND TRANSITION STRIP.
11. INSTALL WATERPROOF MEMBRANE BETWEEN FINISH FLOOR AND SUB FLOOR IN ALL SECOND STORY ROOMS FINISHED IN TILE. WRAP MEMBRANE 6" VERTICALLY OVER GYPSUM BOARD, BEHIND BASE.

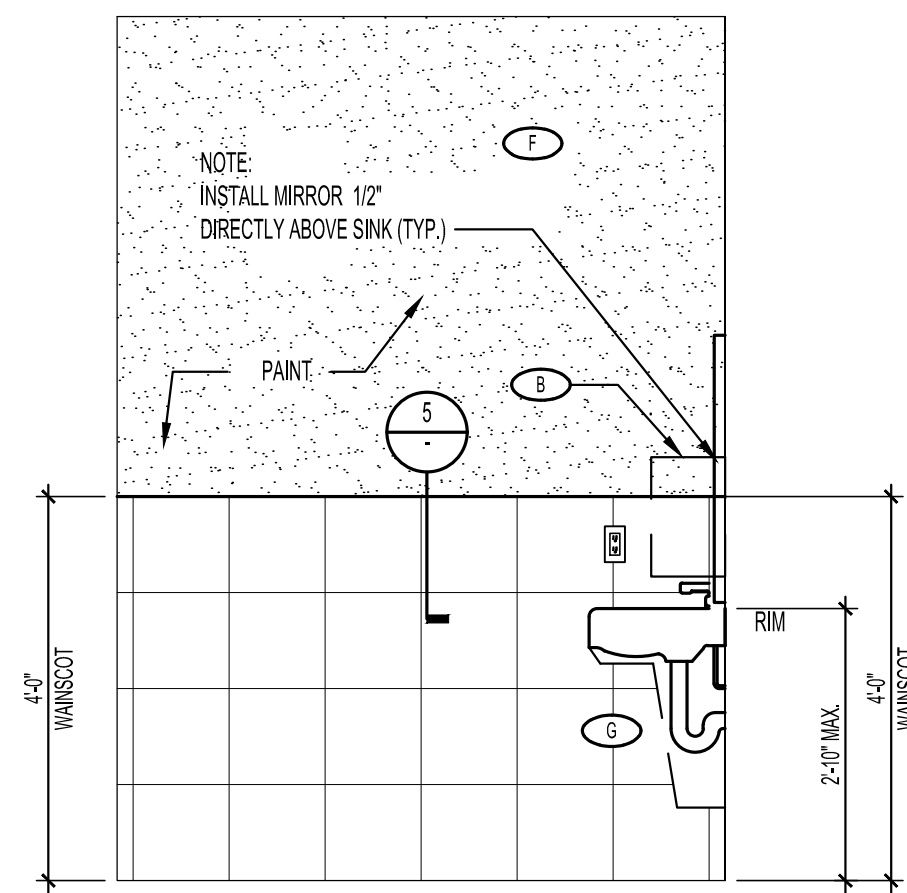
WATER CLOSET LEGEND

FIXTURE	Ø DISTANCE FIXTURE TO WALL
WC-1	12"
WC-2	16"
WC-3	18"

*REFER TO PLUMBING DWGS. FOR WATER CLOSET SPECIFICATIONS & ASSIGNMENTS

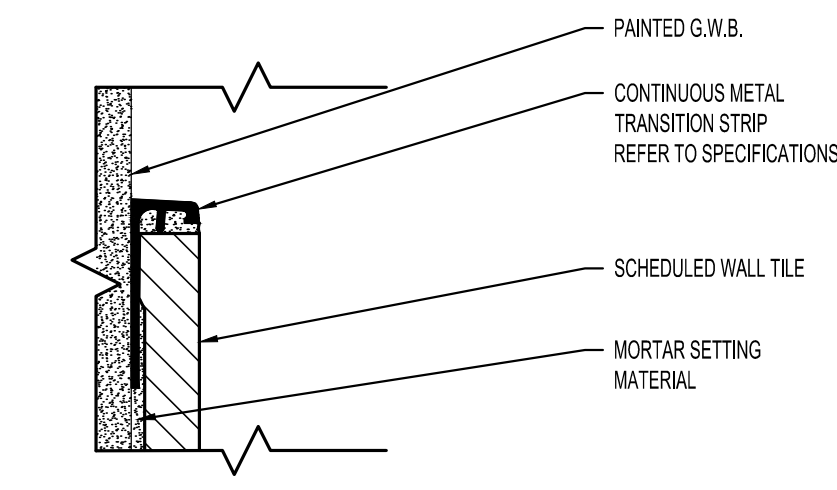
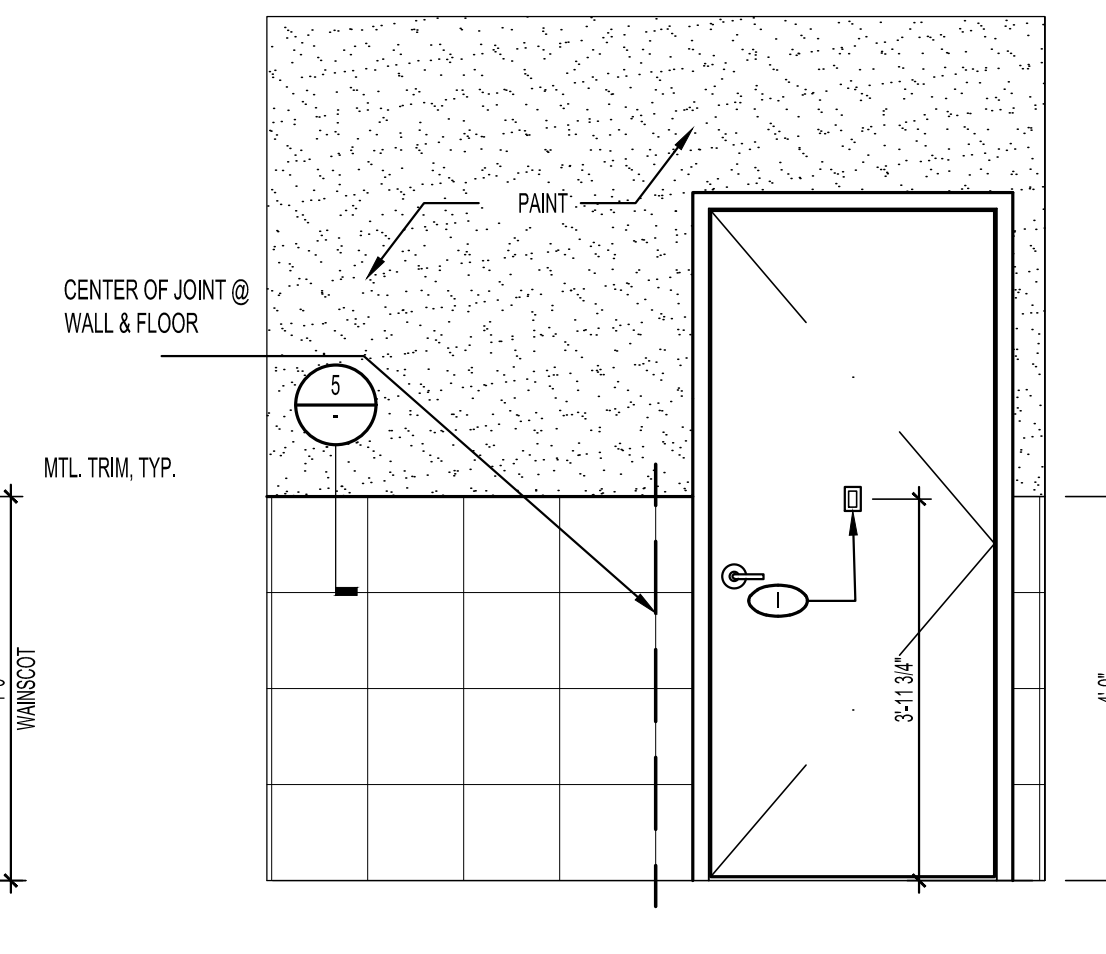
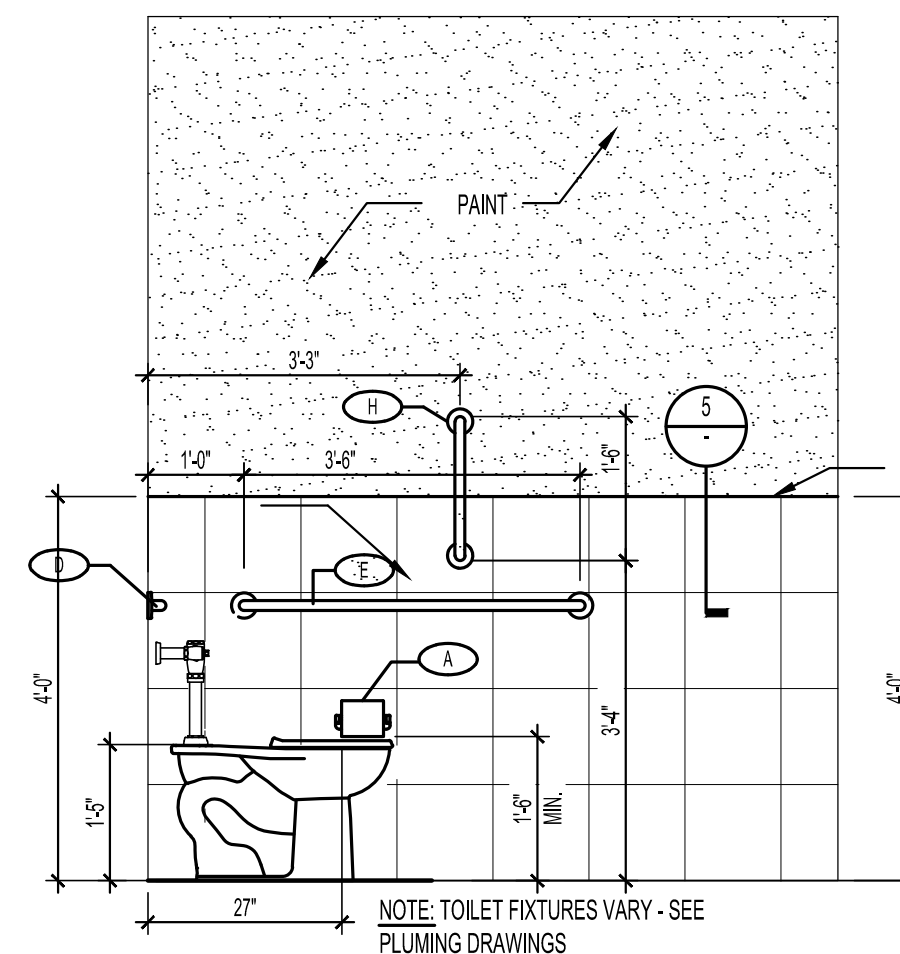
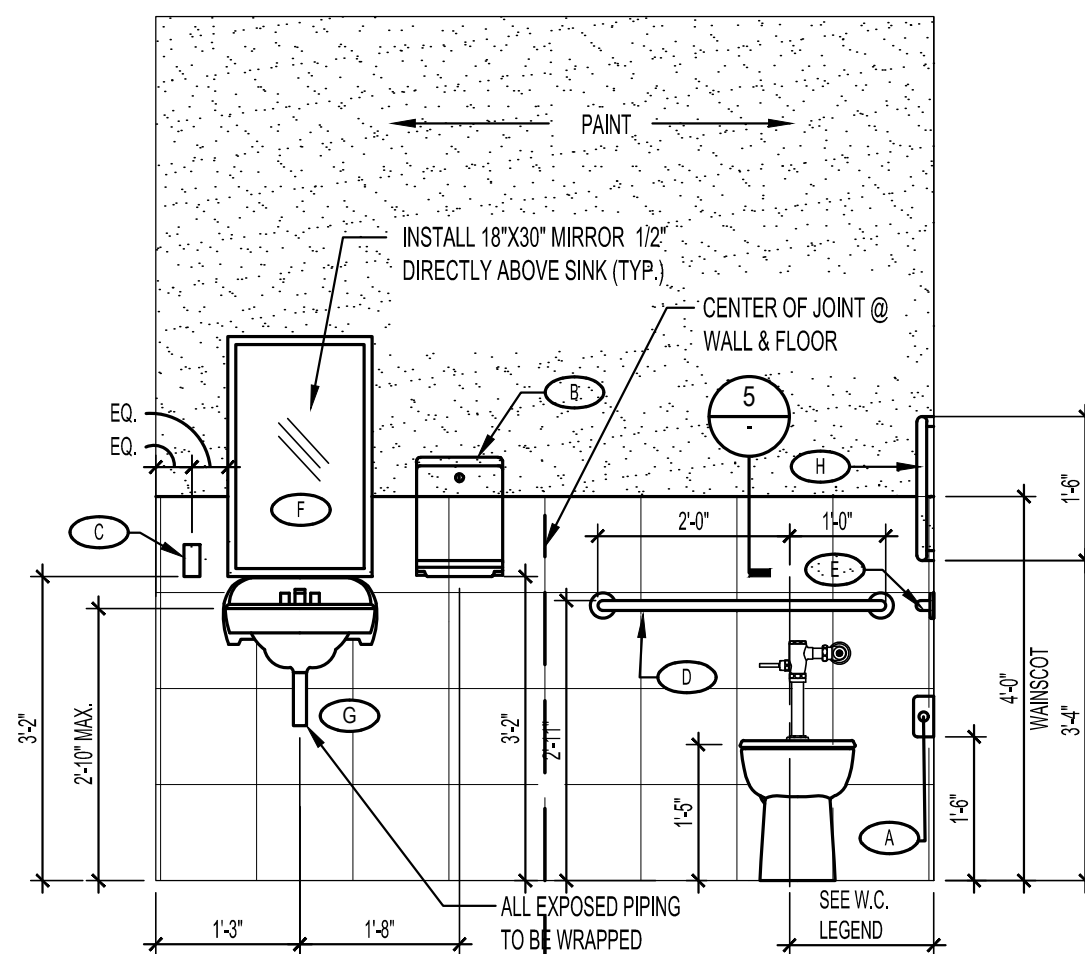
ACCESSORY SCHEDULE

- (A) SINGLE-ROLL TOILET TISSUE DISPENSER - SUPPLIED BY L.B.
- (B) SURFACE-MOUNTED PAPER TOWEL DISPENSER - SUPPLIED BY L.B.
- (C) SOAP DISPENSER - SUPPLIED BY L.B.
- (D) GRAB BAR - BOBRICK #B-5806.99x36 PEENED GRIPPING
- (E) GRAB BAR - BOBRICK #B-5806.99x42 PEENED GRIPPING
- (F) MIRRORS - BOBRICK #B-1658 -18"x30" TEMPERED GLASS MIRROR.
- (G) USE PRE-FORMED INSULATION ON H.W. PIPING & DRAIN
- (H) GRAB BAR - BOBRICK #B-5806.99x18 PEENED GRIPPING
- (I) COAT HOOK - #B-682



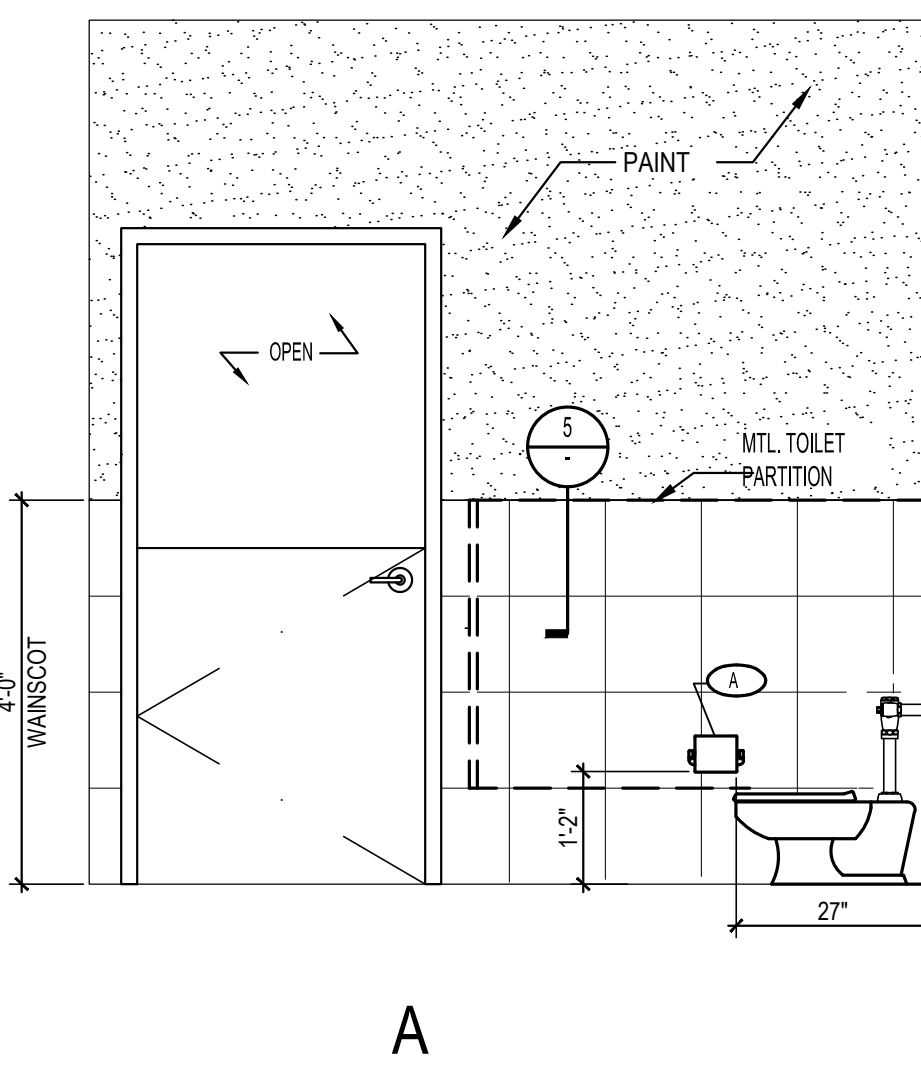
4 TYP. STAFF TOILET ELEVATIONS

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



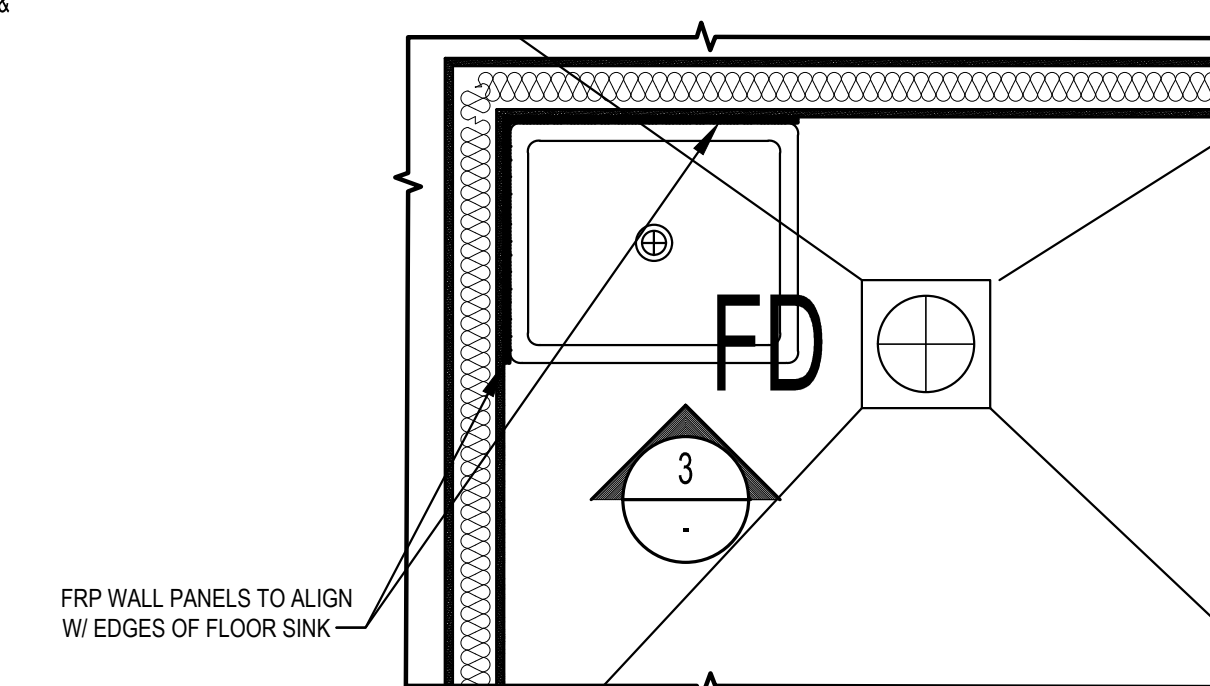
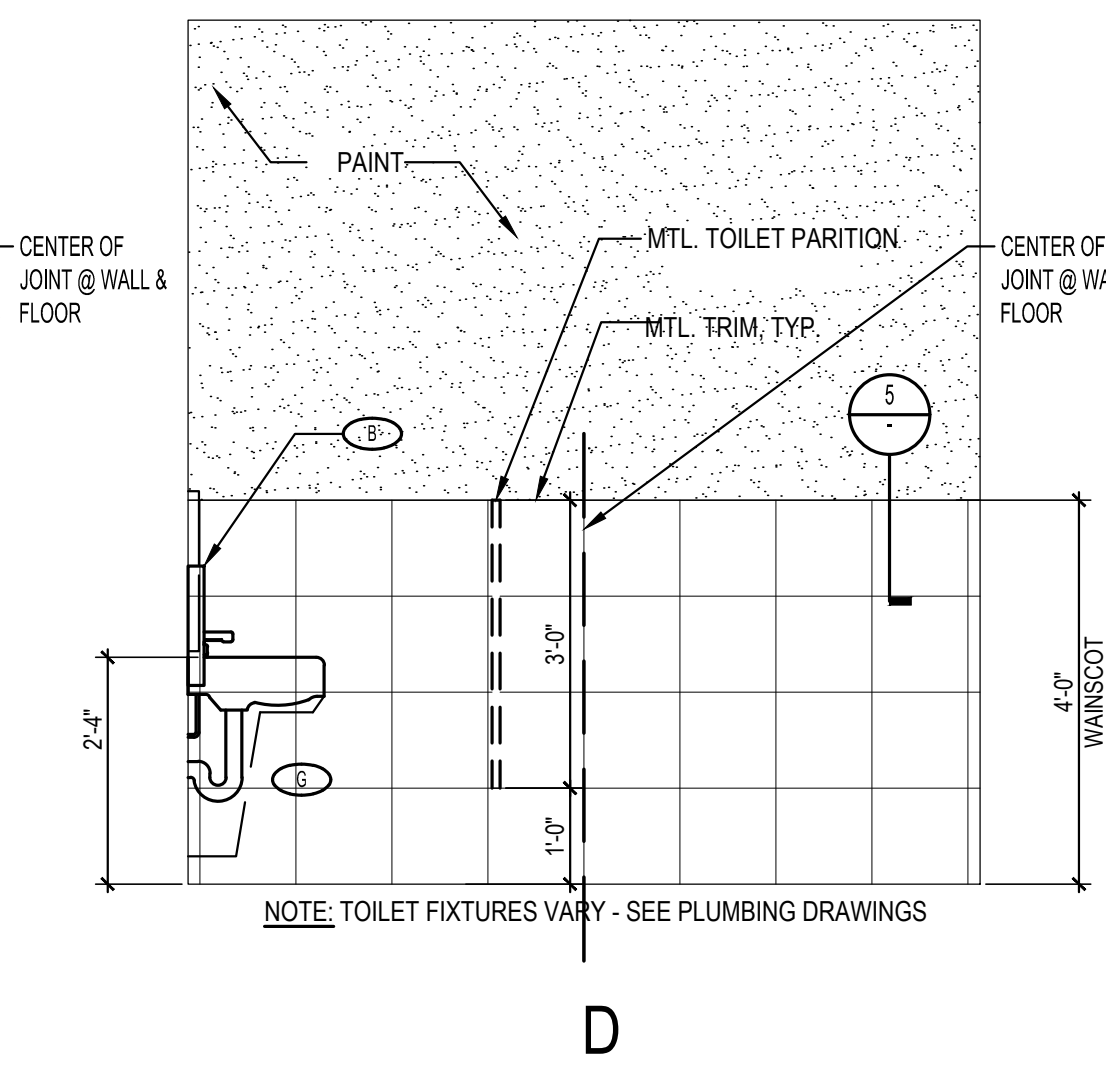
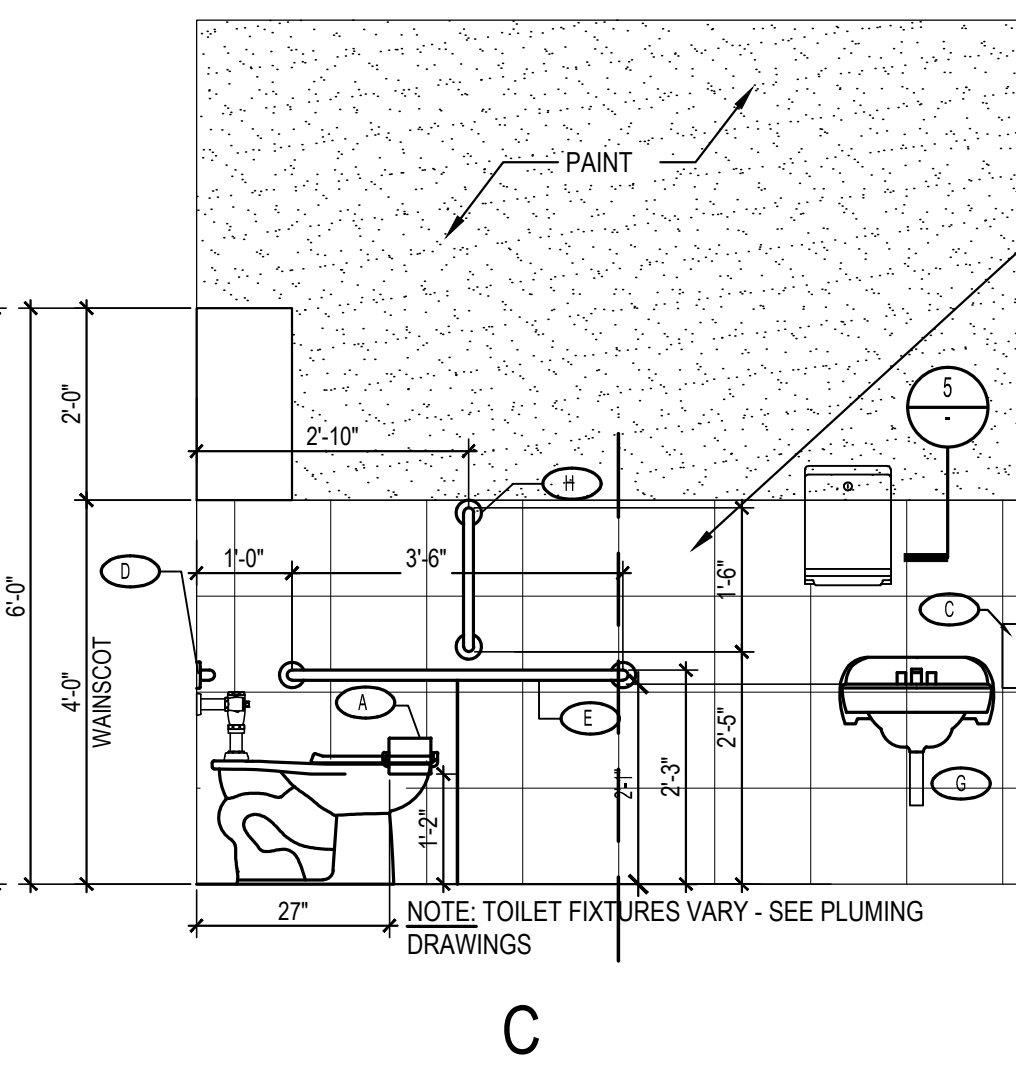
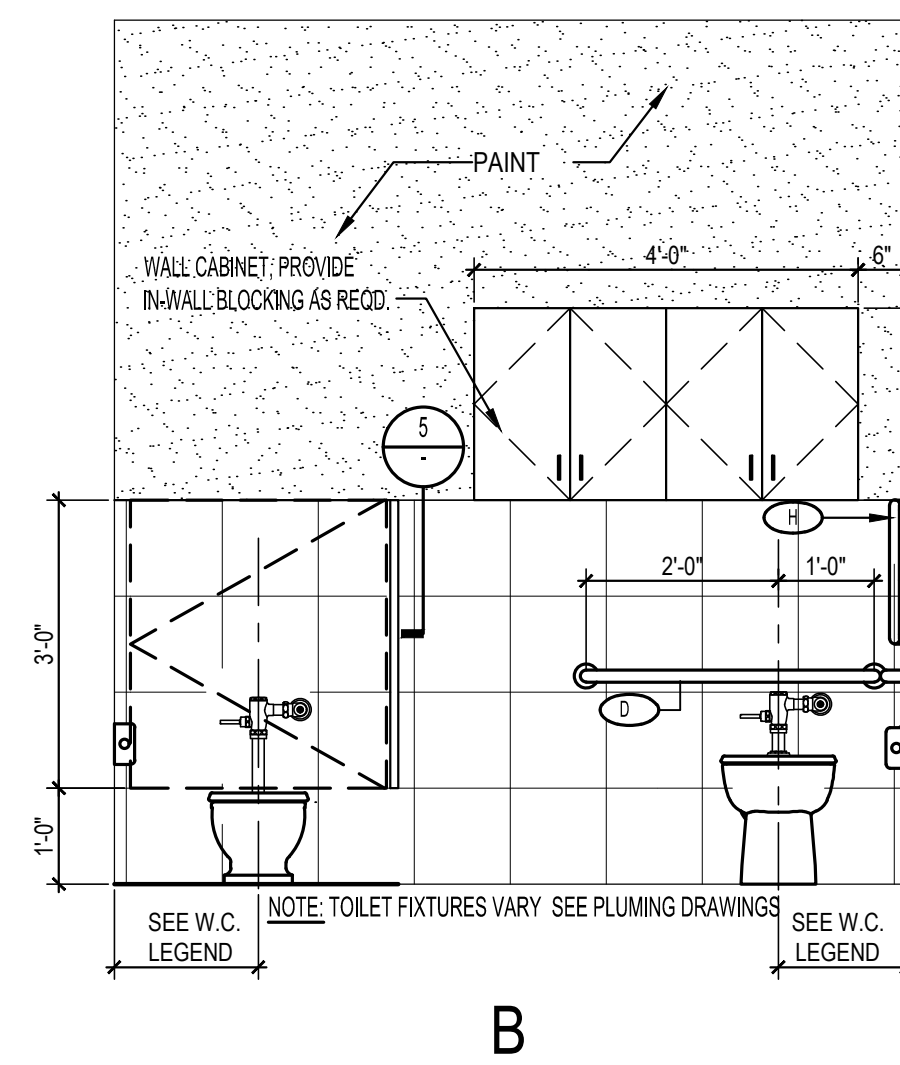
5 MTL. TRIM DETAIL

FULL SCALE



6 TYP. CLASSROOM TOILET ELEVATIONS

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

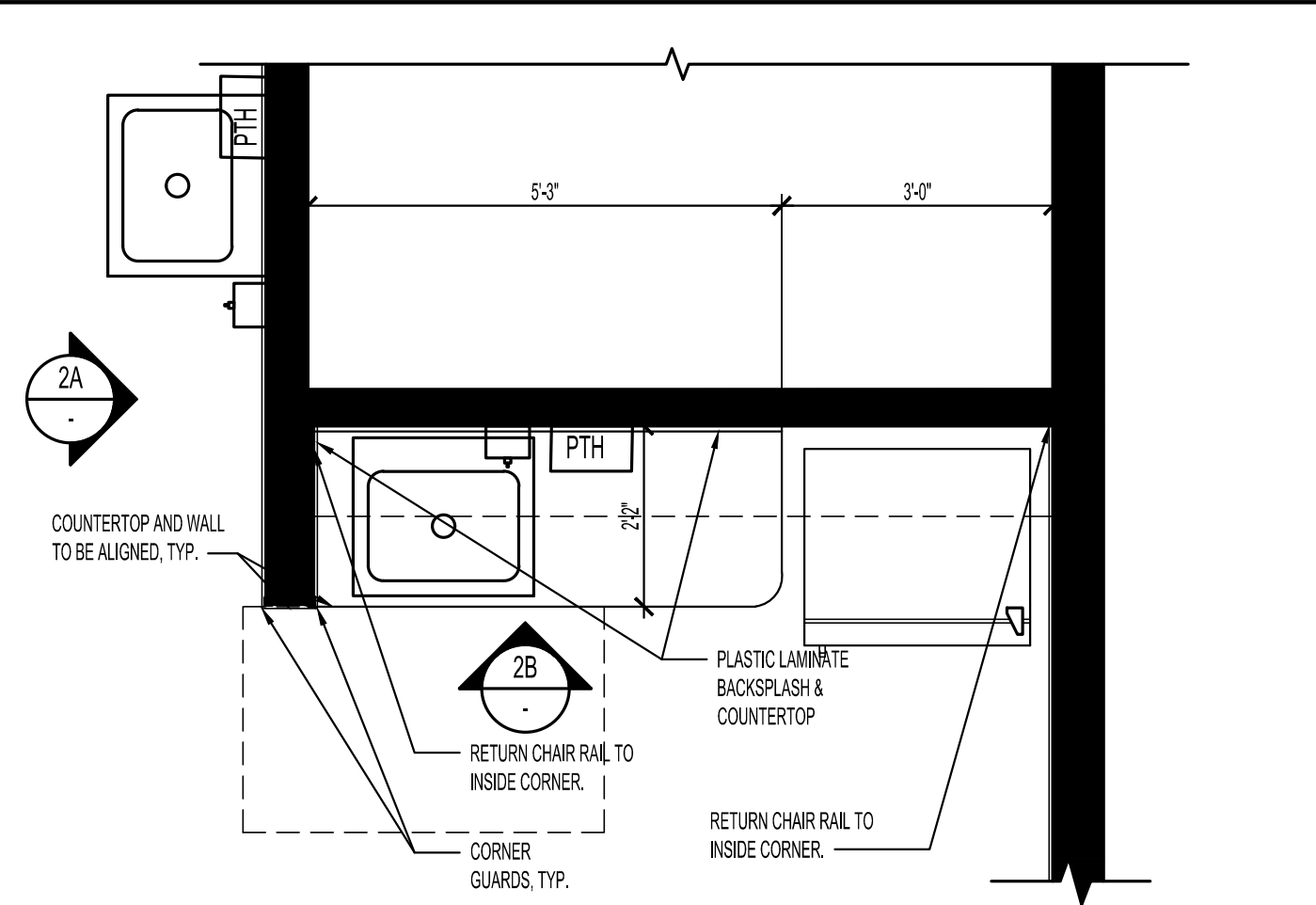


7 PLAN @ MOP SINK

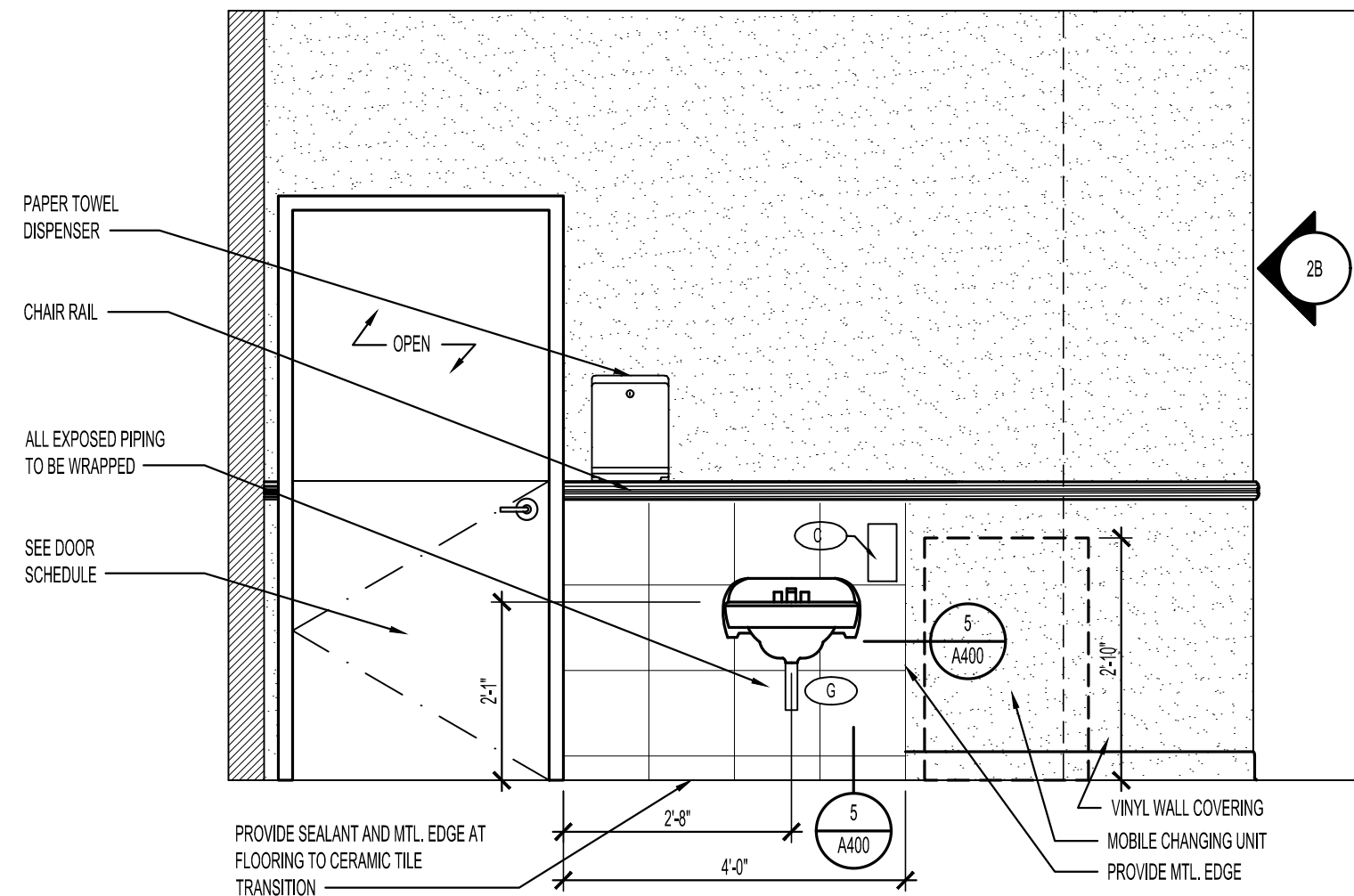
SCALE: 3/4" = 1'

NOT VALID FOR CONSTRUCTION WITHOUT SEAL

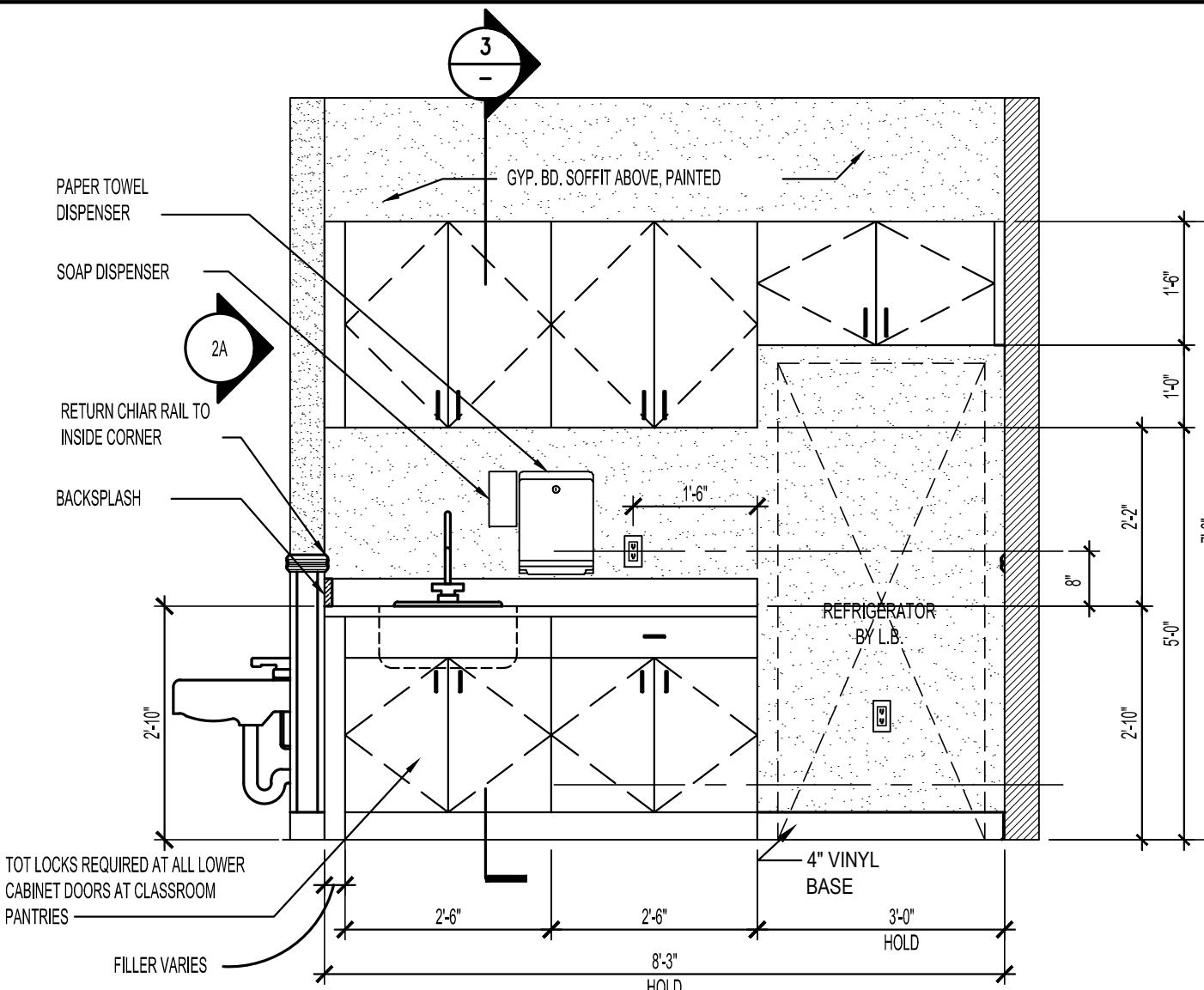
Rev. #	Date	Remarks
03/28/2024		ISSUED FOR PERMIT
JOB NUMBER:	2022-01-09	
DATE:	10/07/2022	
DRAWN BY:	JAM/KM	
CHECKED BY:	JAM	



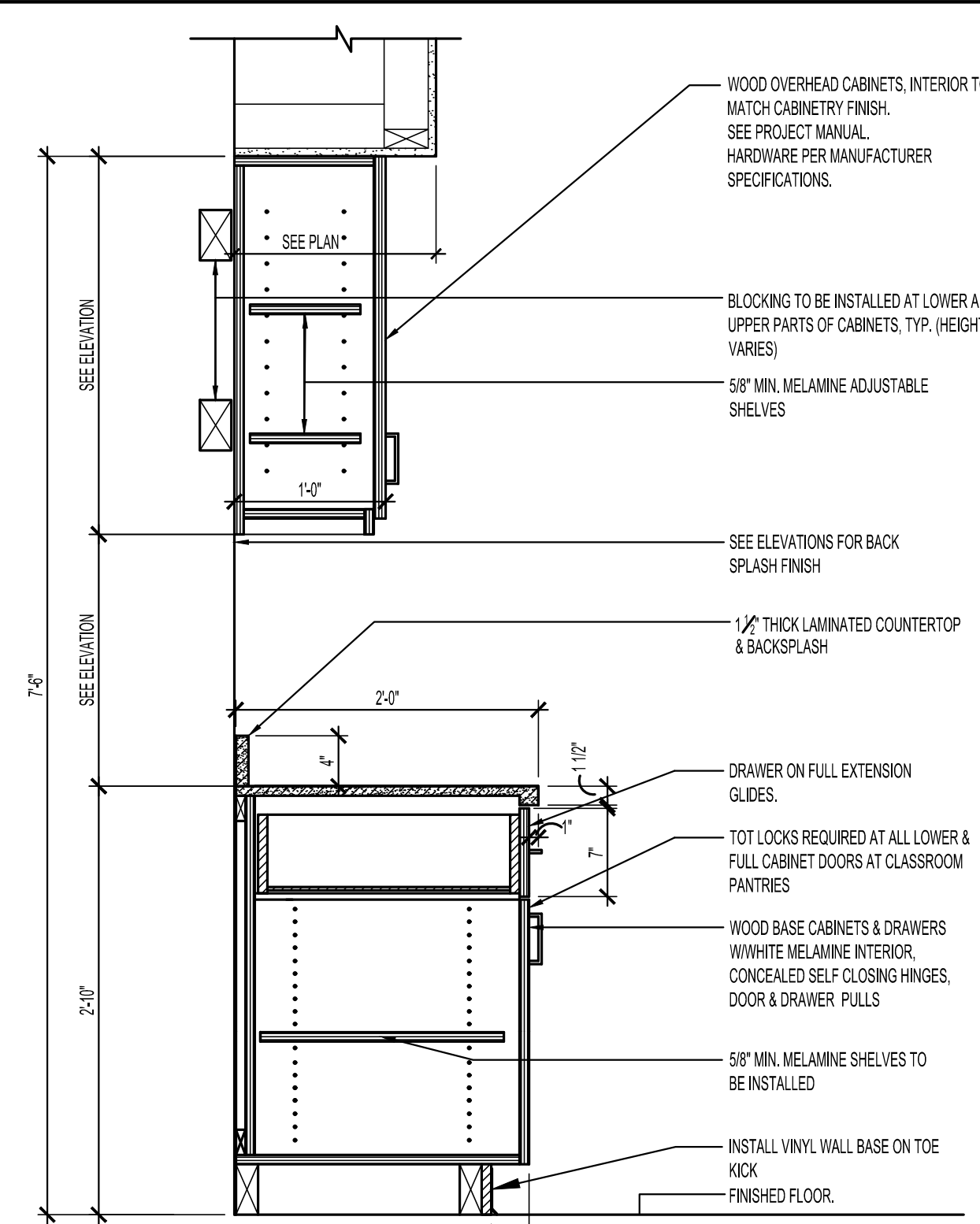
1 TYP. CLASSROOM PANTRY PLAN
SCALE: 1/2" = 1'-0"



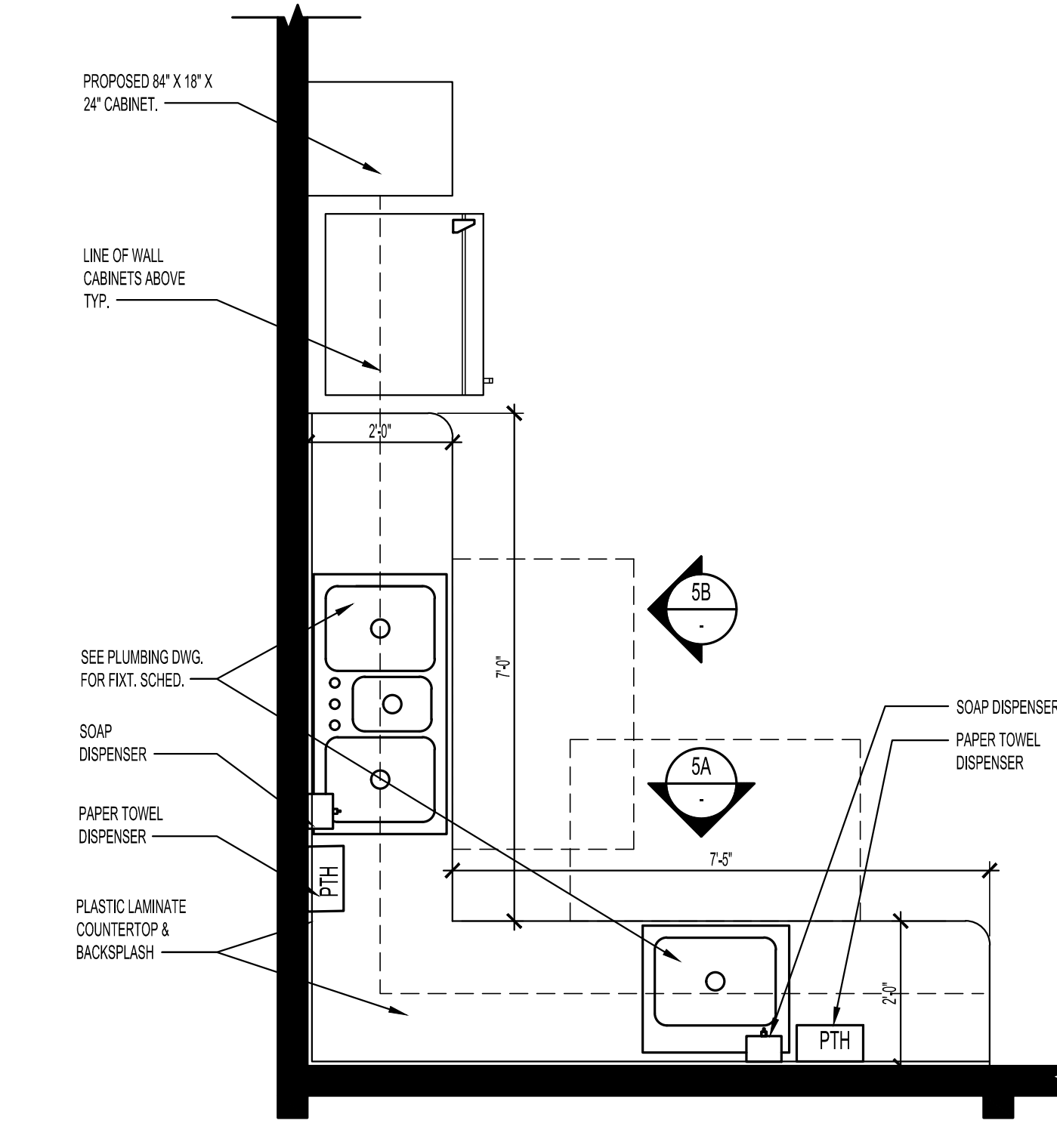
2A TYP. TOILET ROOM ELEVATION
SCALE: 1/2" = 1'-0"



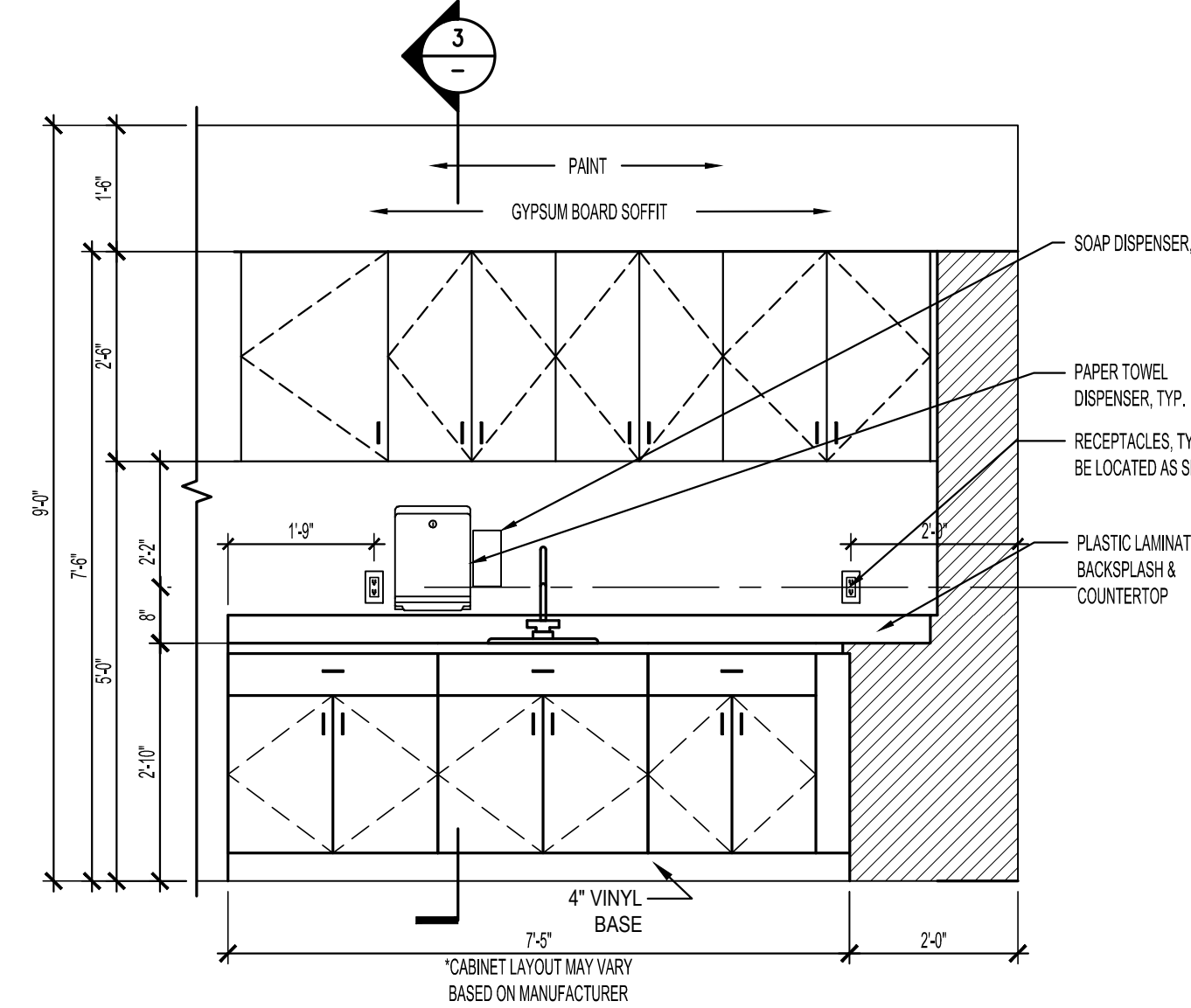
2B TYP. CLASS PANTRY ELEVATION
SCALE: 1/2" = 1'-0"



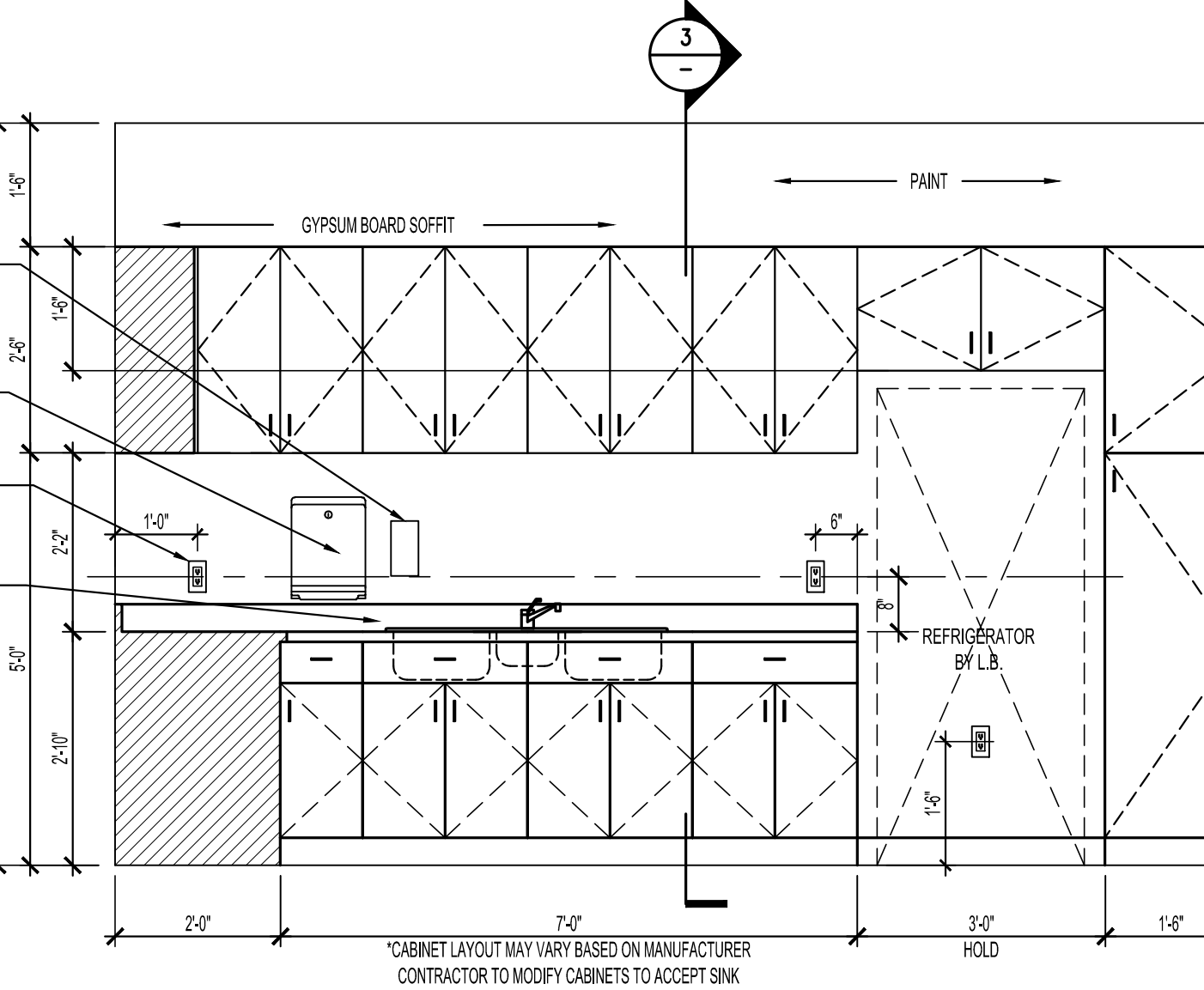
3 CABINETRY SECTION
SCALE: 1" = 1'-0"



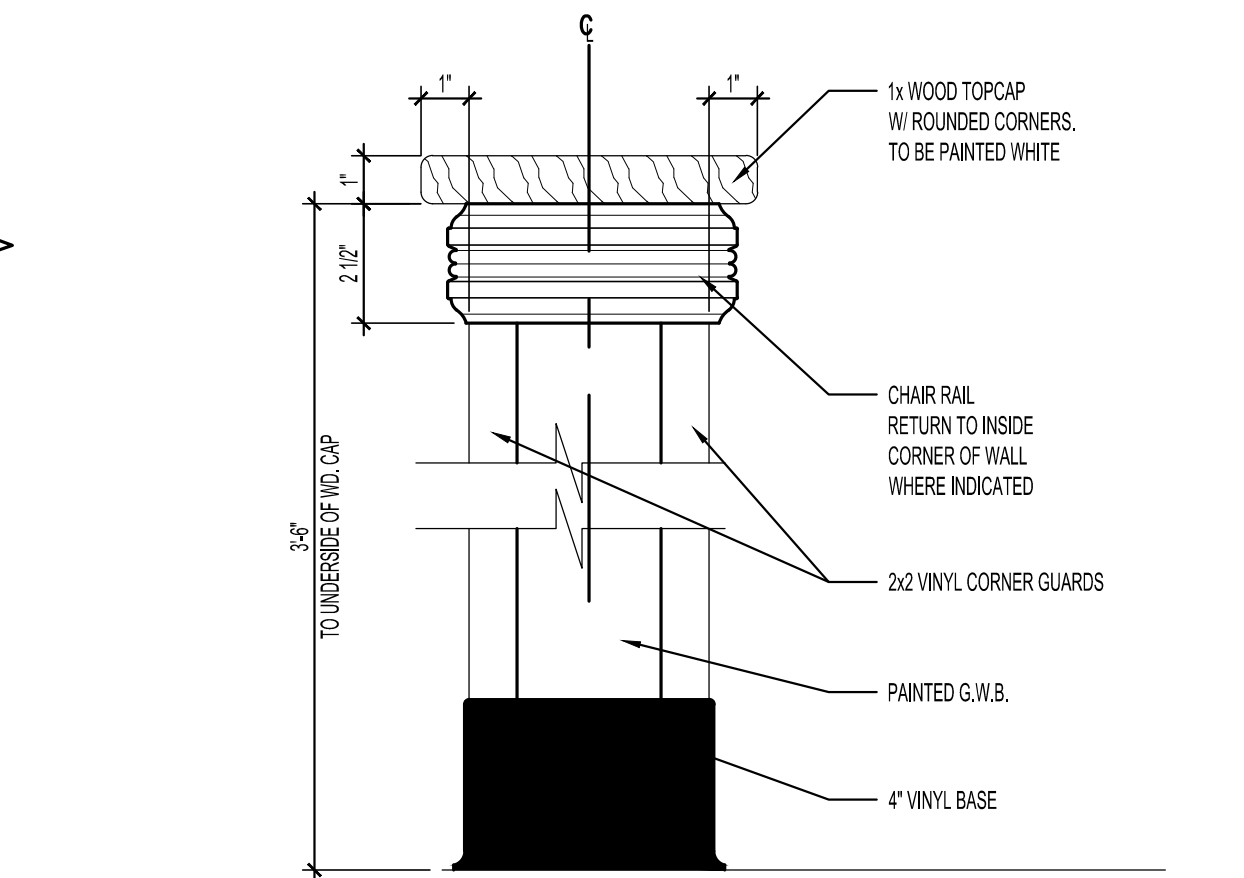
4 PARTIAL STAFF LOUNGE/KITCHEN PLAN
SCALE: 1/2" = 1'-0"



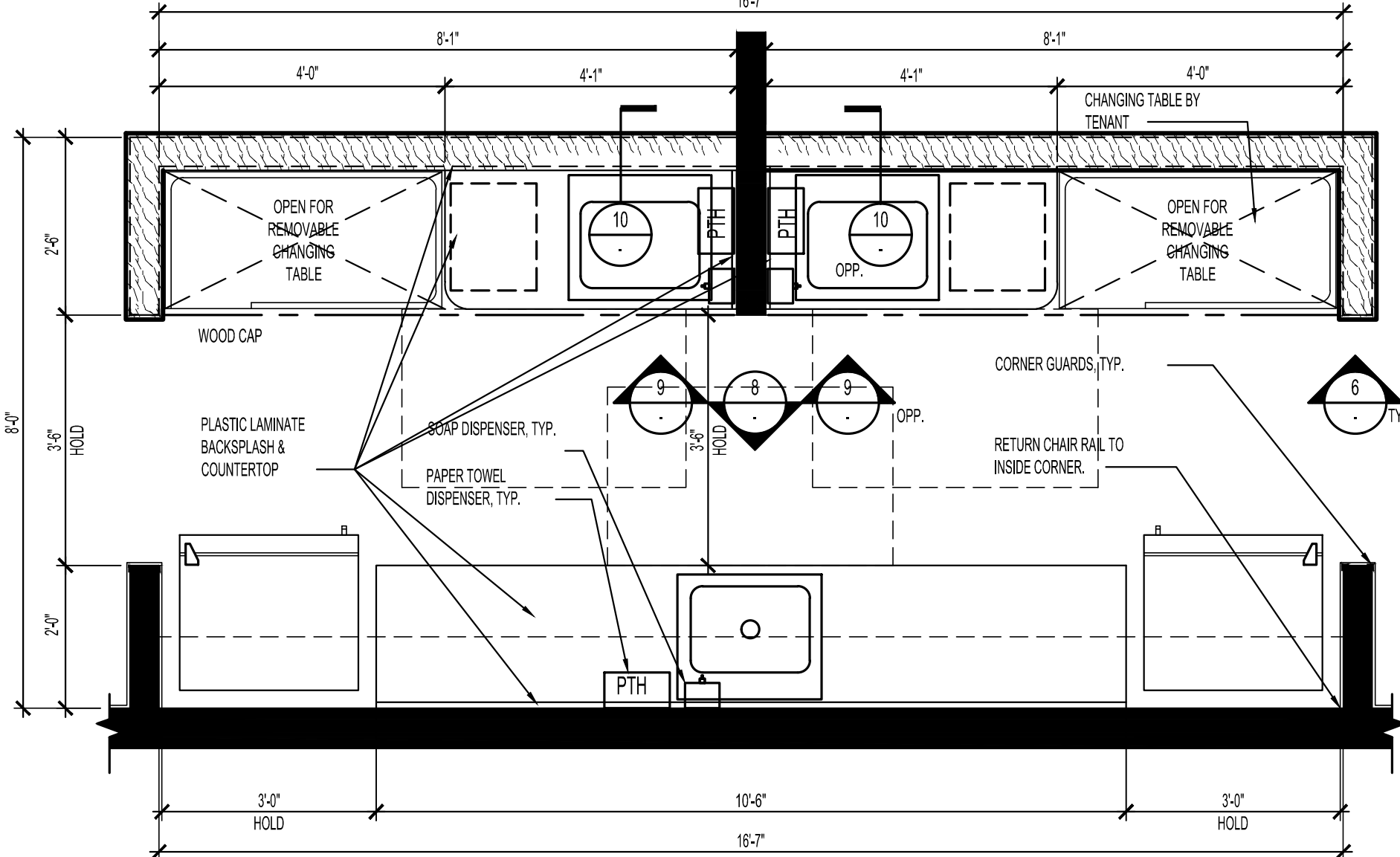
5A STAFF PANTRY ELEVATION
SCALE: 1/2" = 1'-0"



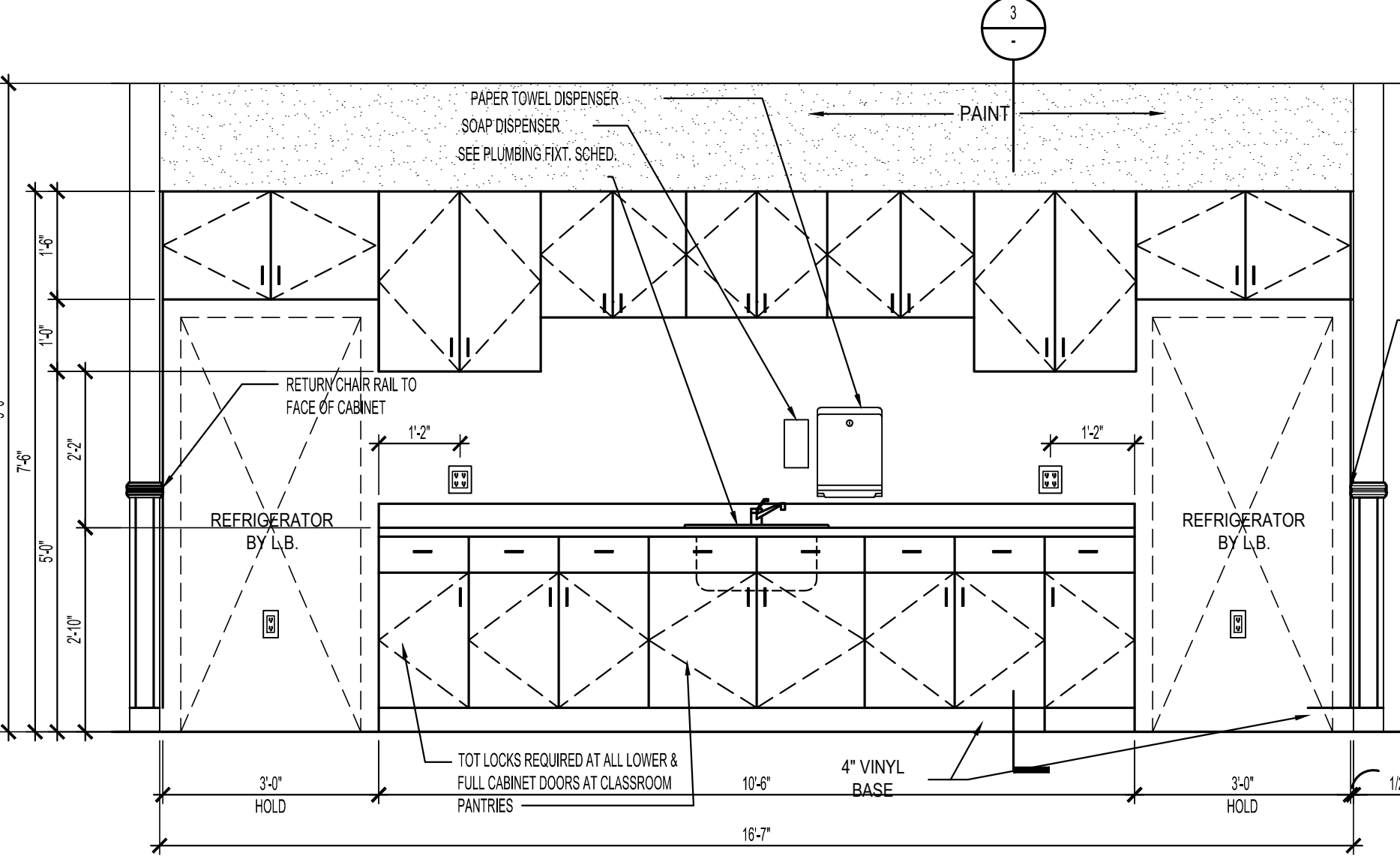
5B STAFF PANTRY ELEVATION
SCALE: 1/2" = 1'-0"



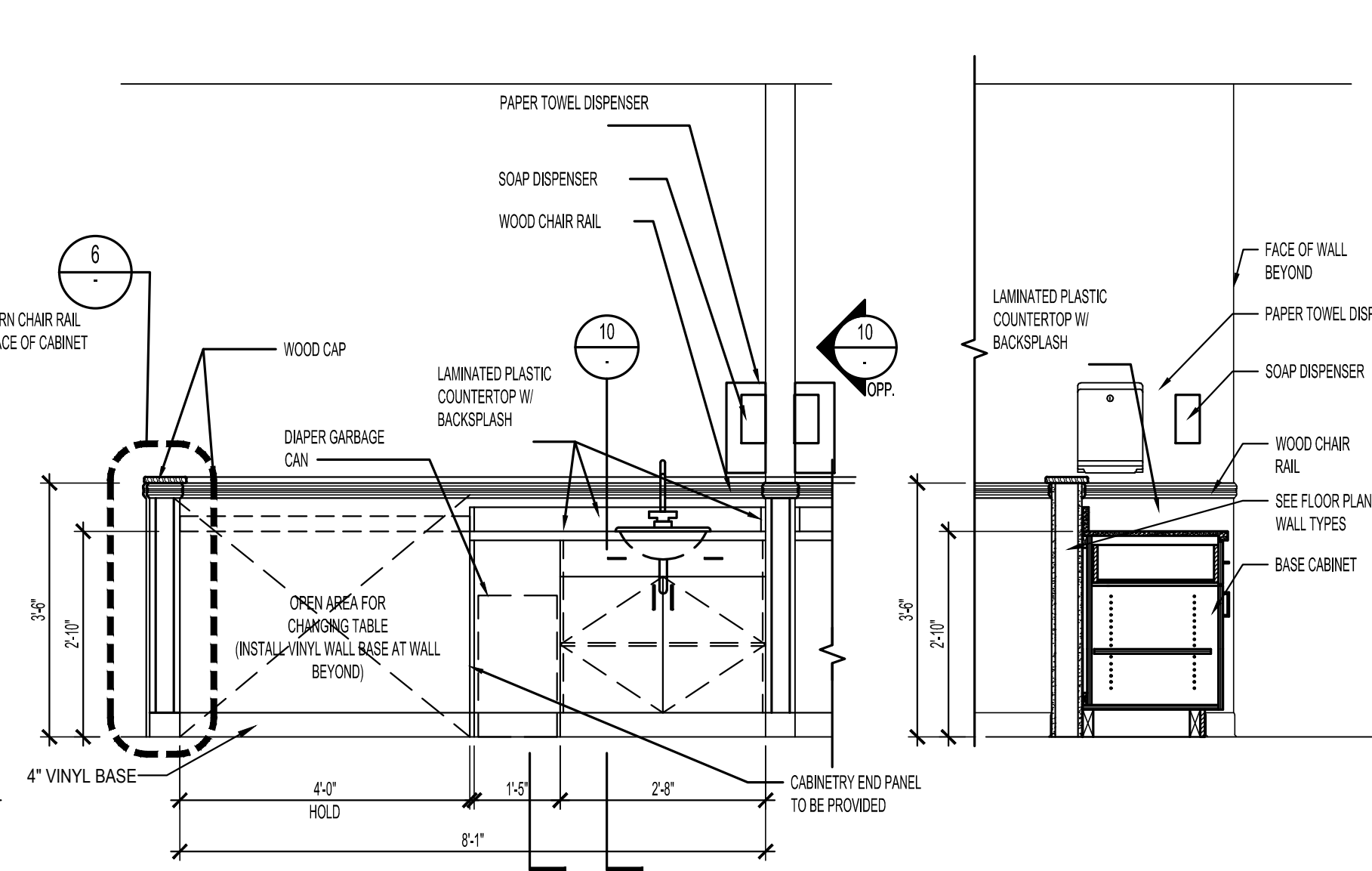
6 TYP. DETAIL AT HALF WALL
SCALE: 3/4" = 1'-0"



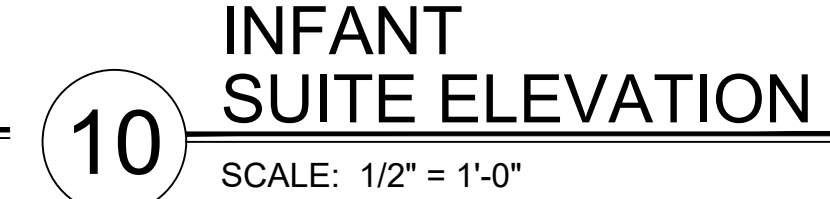
7 INFANT SUITE ENLARGED PLAN
SCALE: 1/2" = 1'-0"



8 INFANT PANTRY ELEVATION
SCALE: 1/2" = 1'-0"

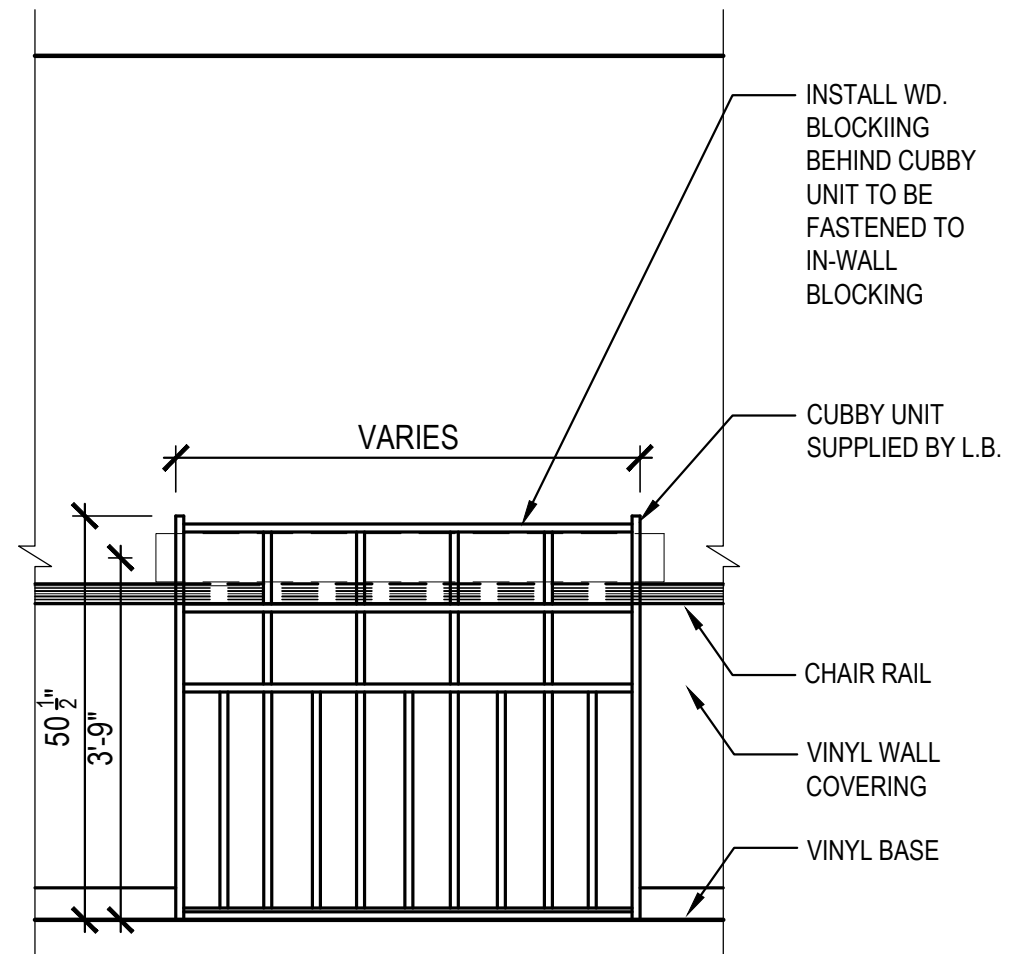


9 INFANT SUITE ELEVATION
SCALE: 1/2" = 1'-0"

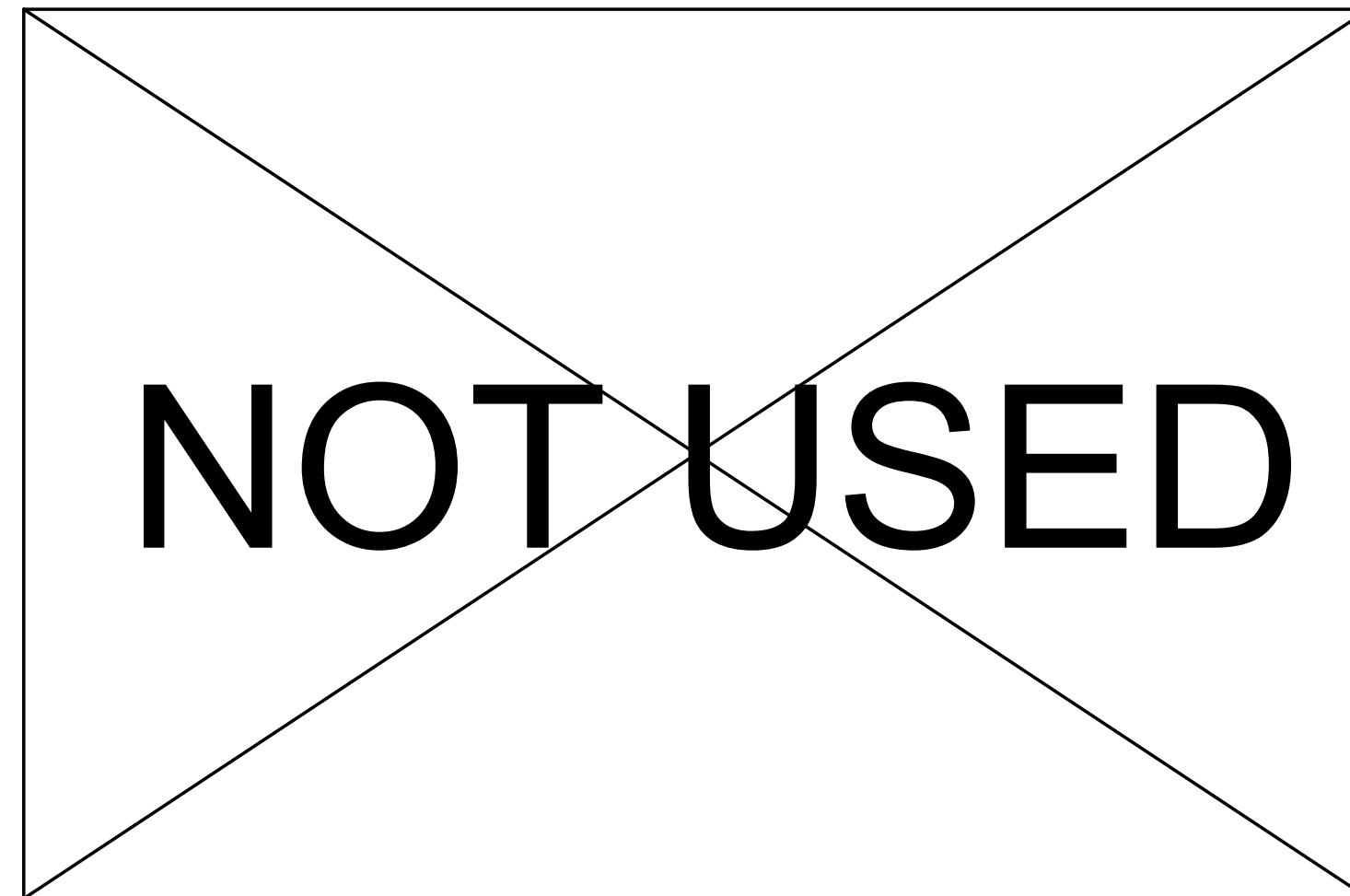


10 INFANT SUITE ELEVATION
SCALE: 1/2" = 1'-0"

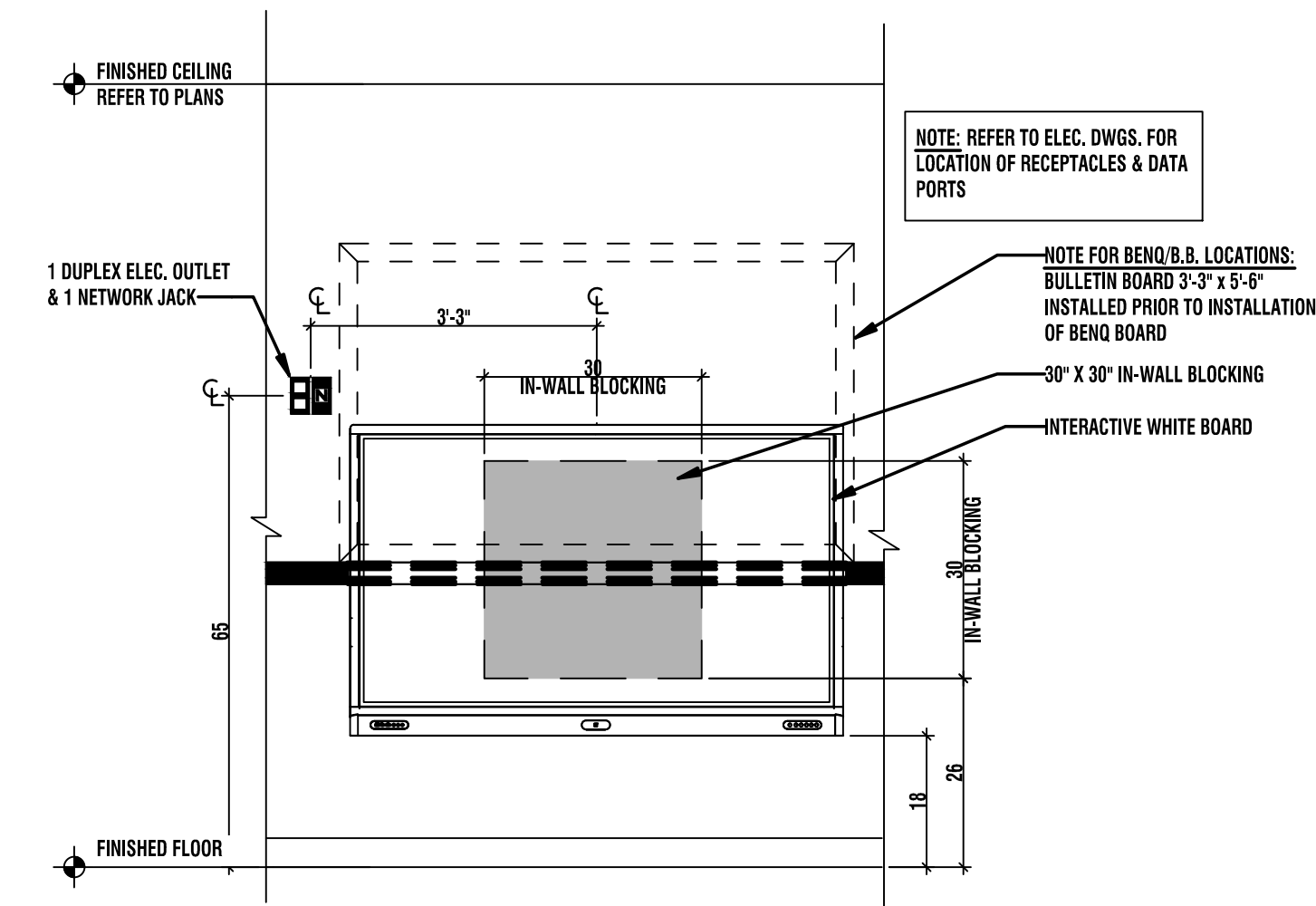
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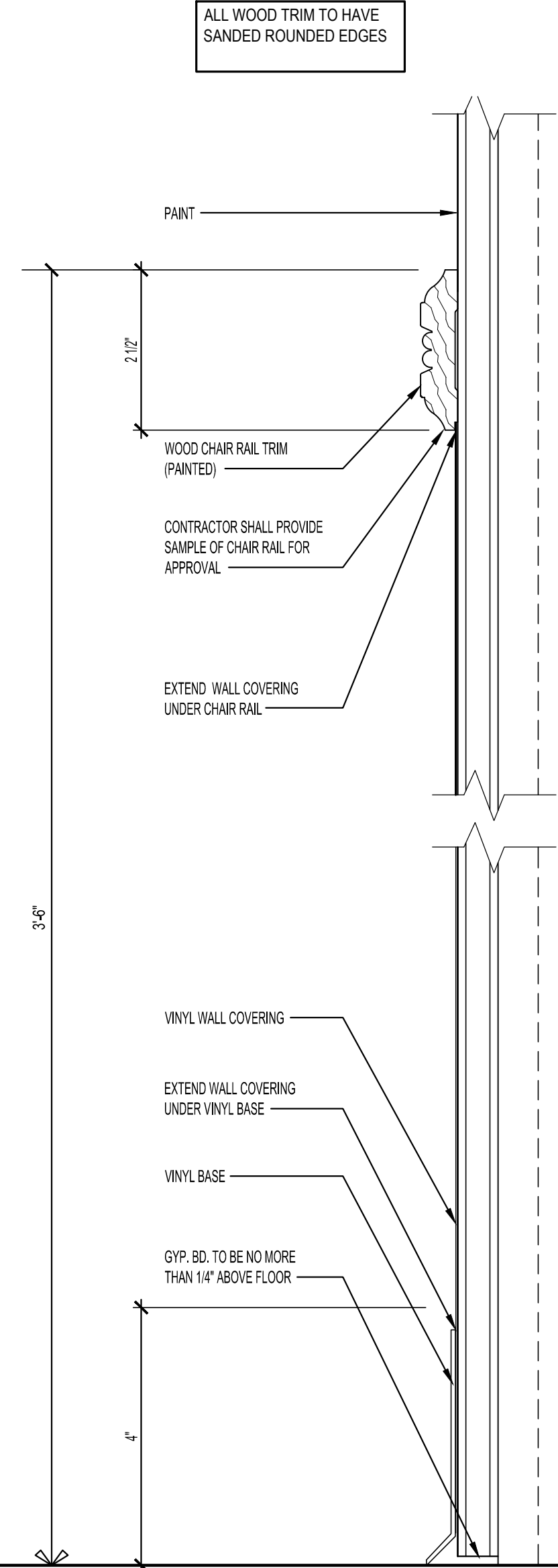
1 FLOOR CUBBY ELEVATION
SCALE: 1/2" = 1'-0"



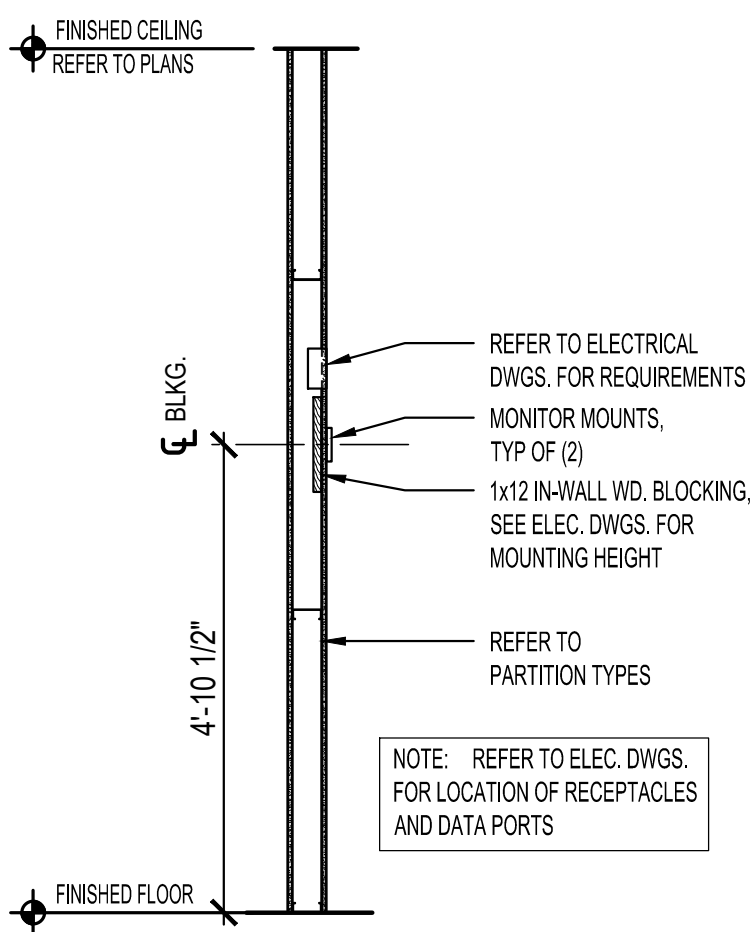
2 NOT USED



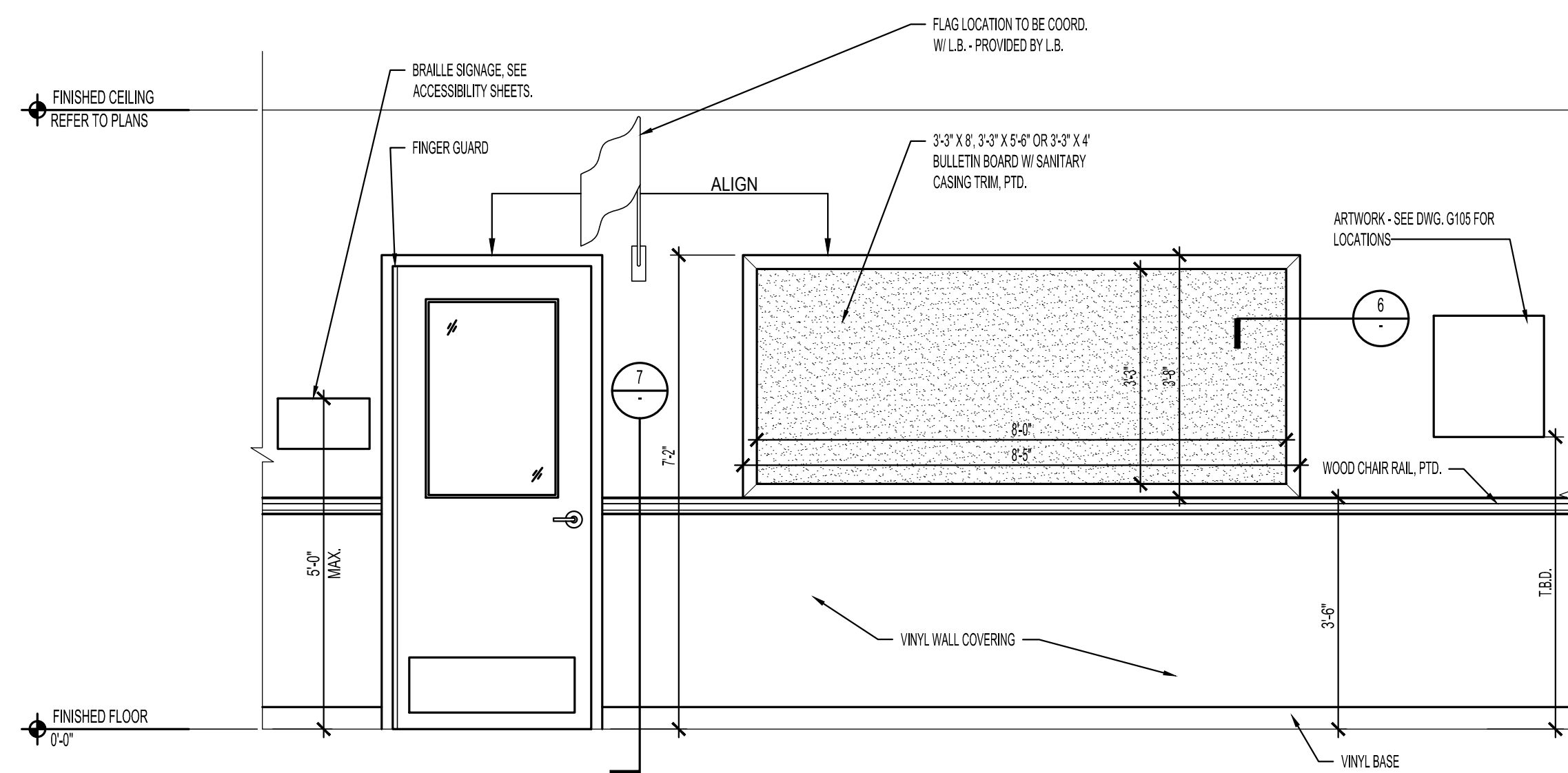
3 WHITE BOARD ELEVATION
SCALE: 1/2" = 1'-0"



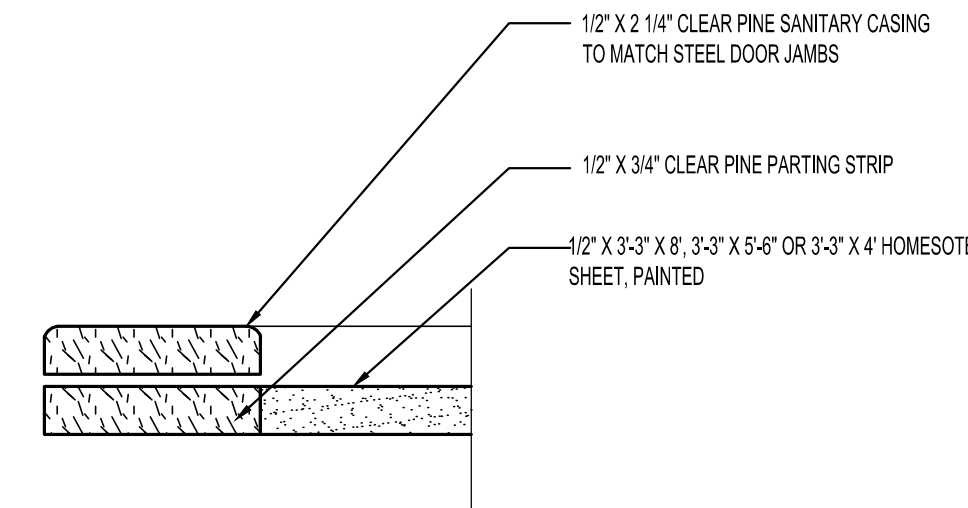
7 WAINSHOT SECTION
SCALE: 6" = 1'-0"



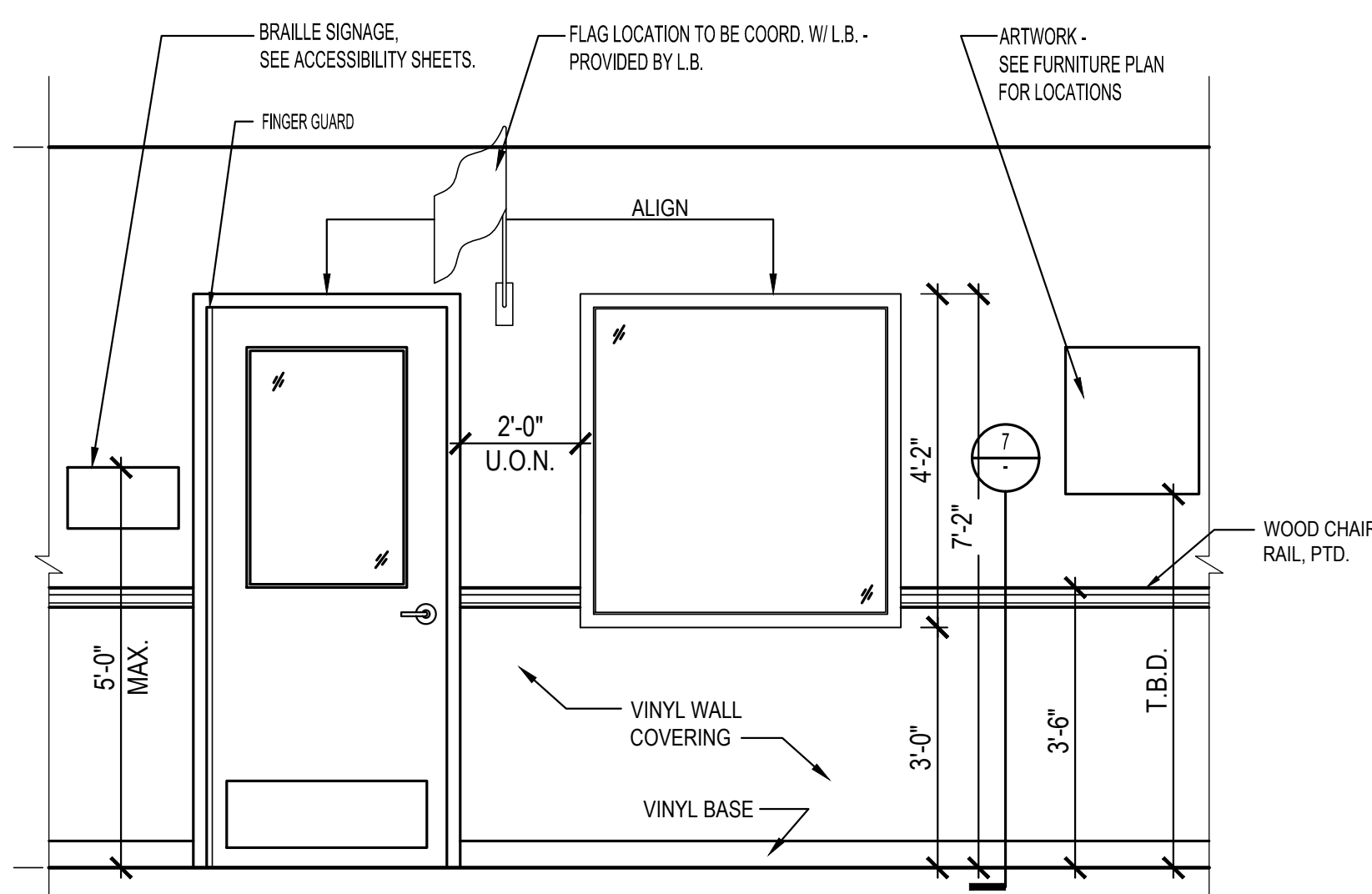
4 TV MONITOR DETAIL
SCALE: 1/2" = 1'-0"



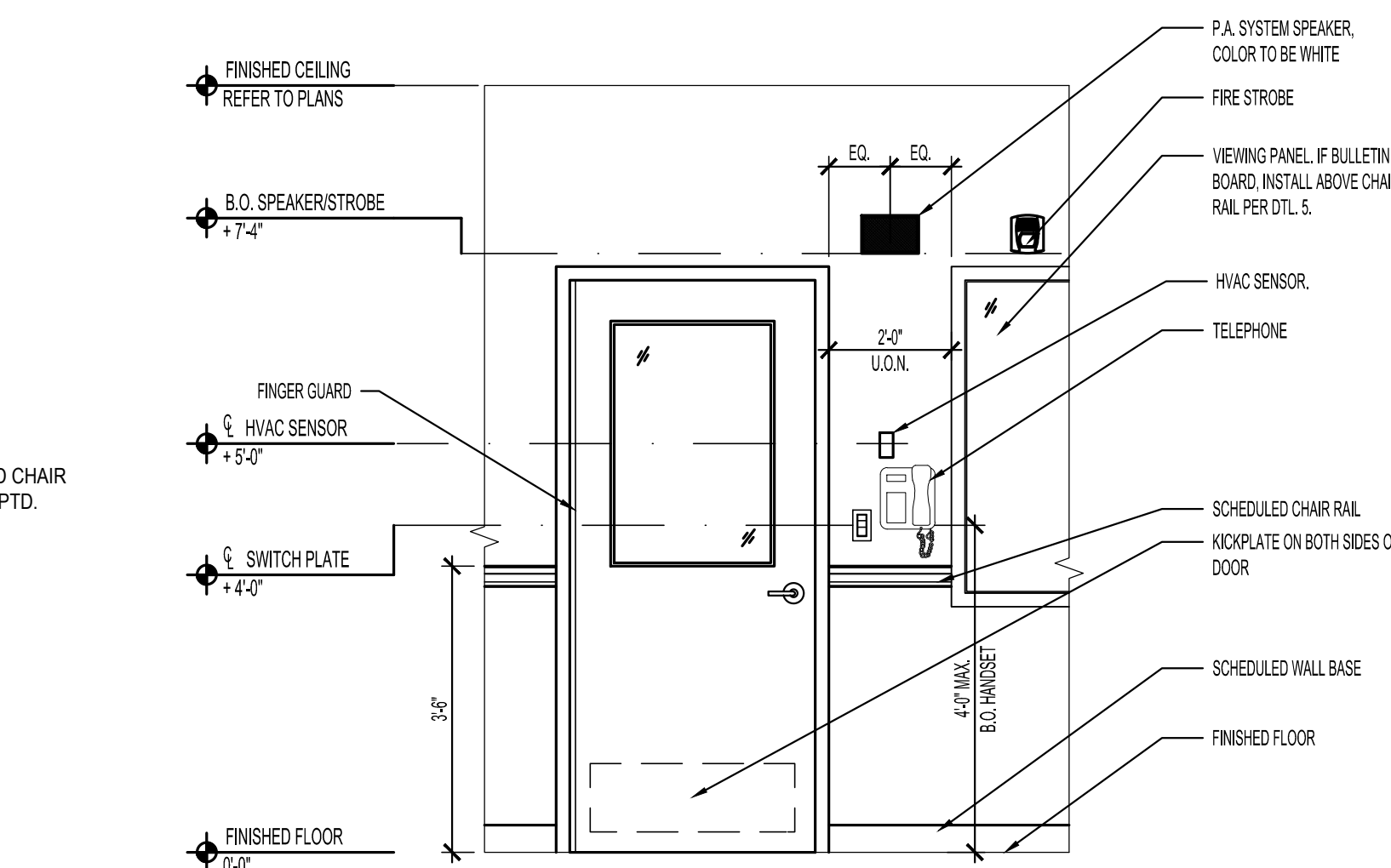
5 BULLETIN BOARD ELEVATION
SCALE: 1/2" = 1'-0"



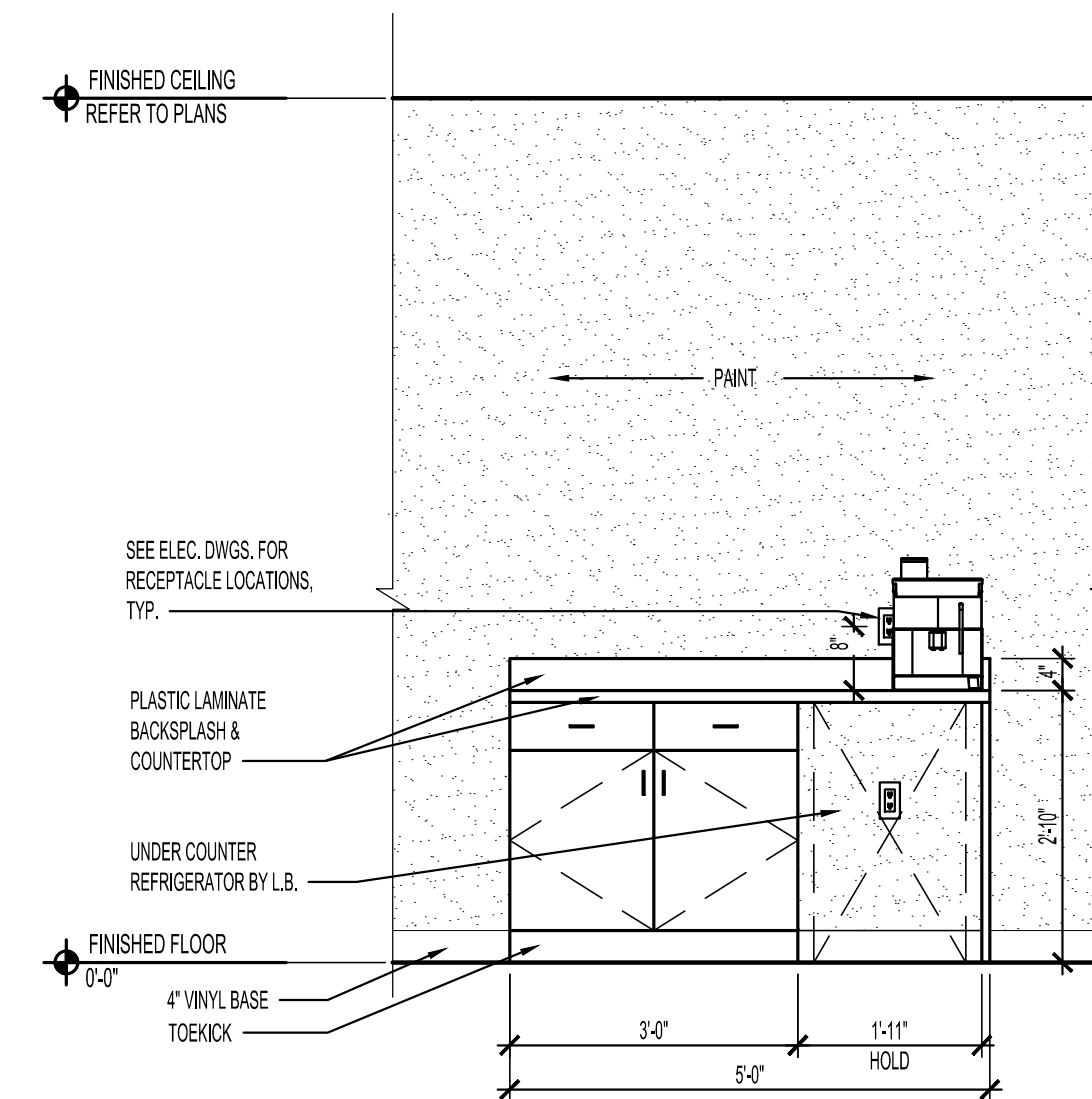
6 BULLETIN BD. DETAIL
SCALE: 6" = 1'-0"



8 TYP. ELEVATION AT VIEWING PANEL
SCALE: 1/2" = 1'-0"

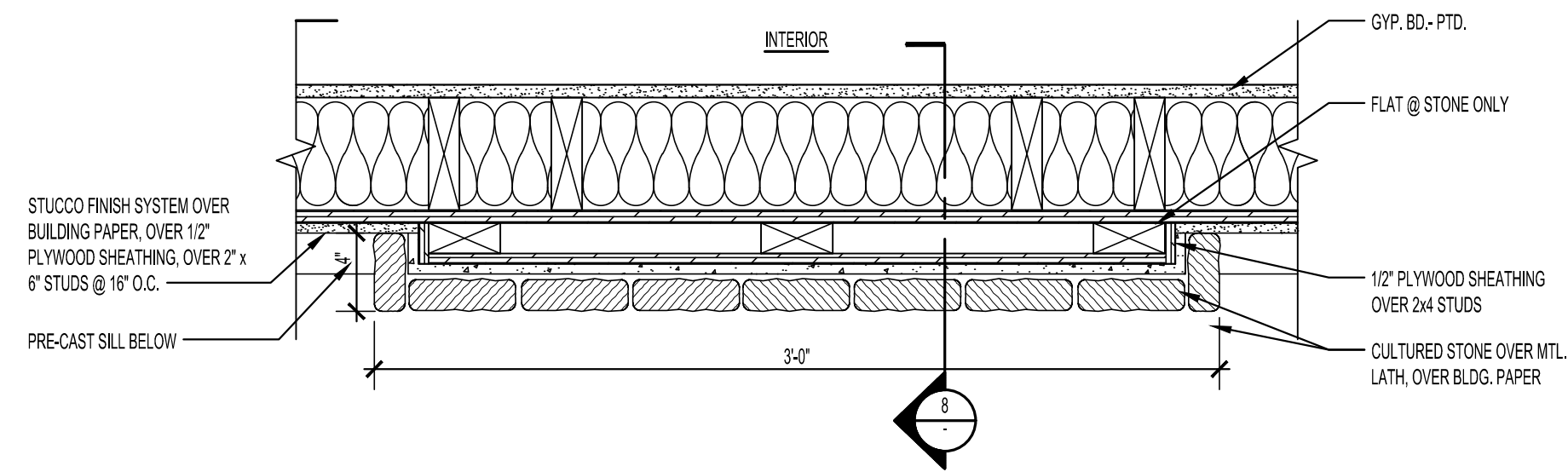


9 TYP. ELEVATION AT CLASSROOM DOOR
SCALE: 1/2" = 1'-0"



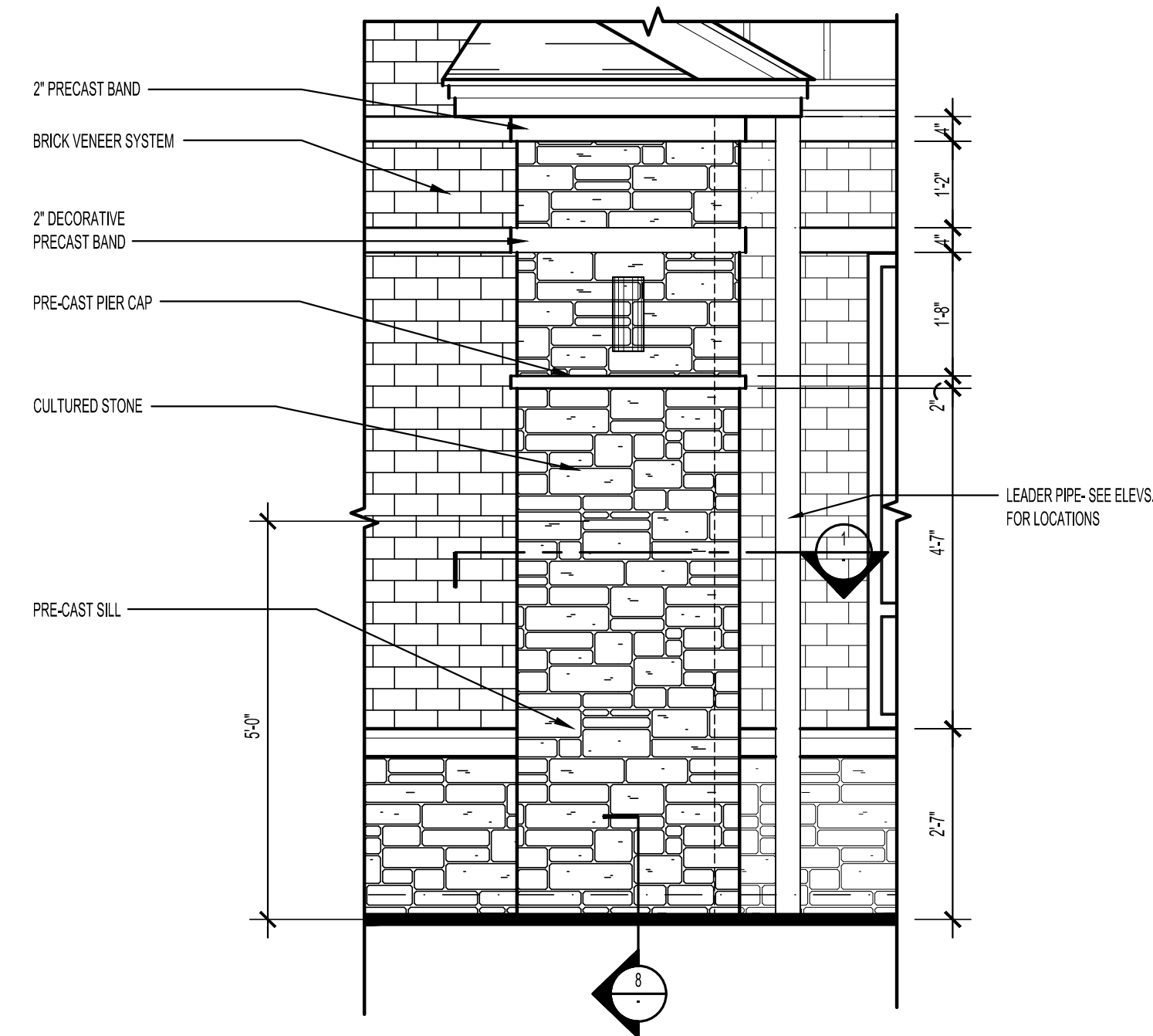
10 HOSPITALITY COUNTER ELEVATION
SCALE: 1/2" = 1'-0"

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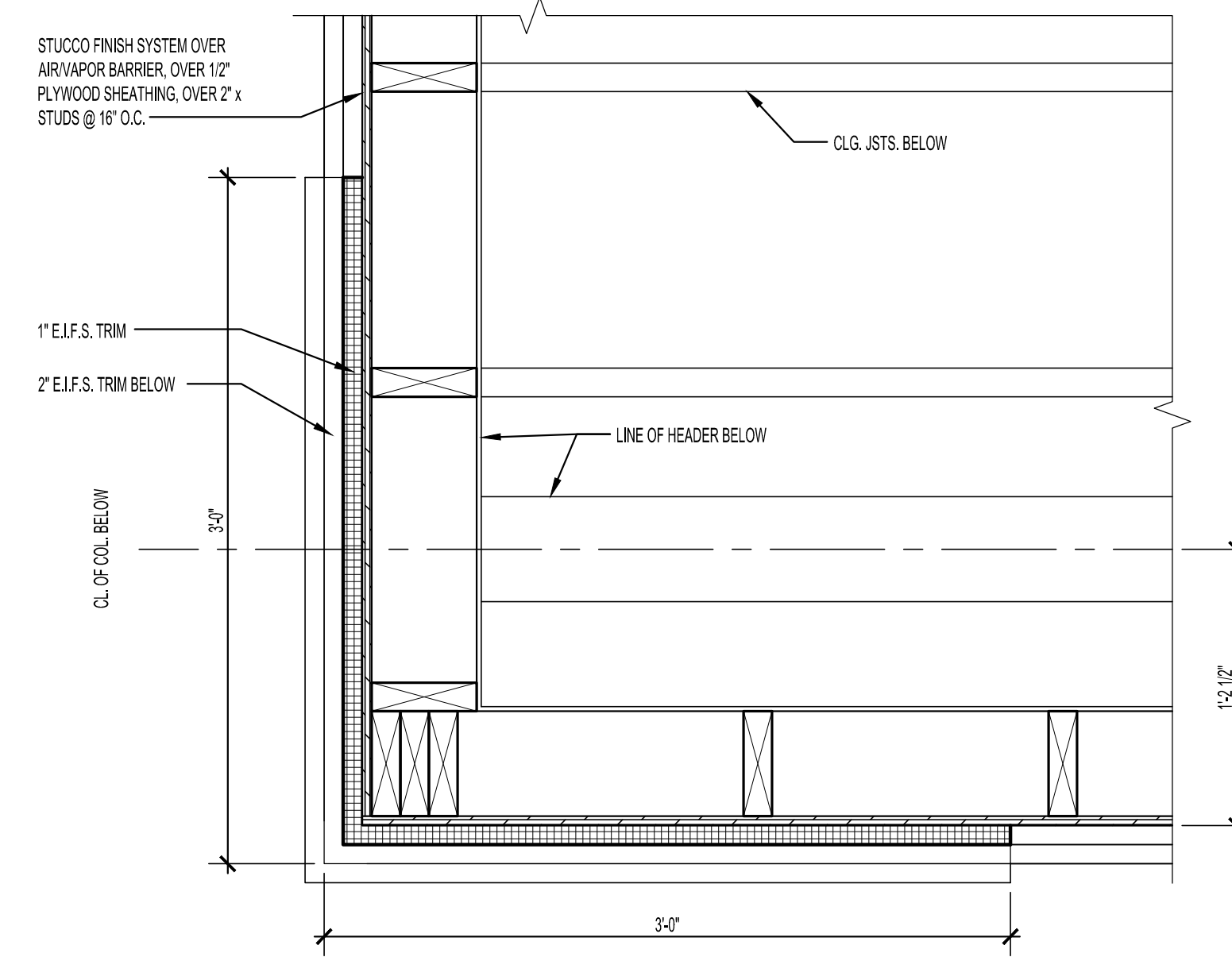
1 DETAIL AT PILASTER

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



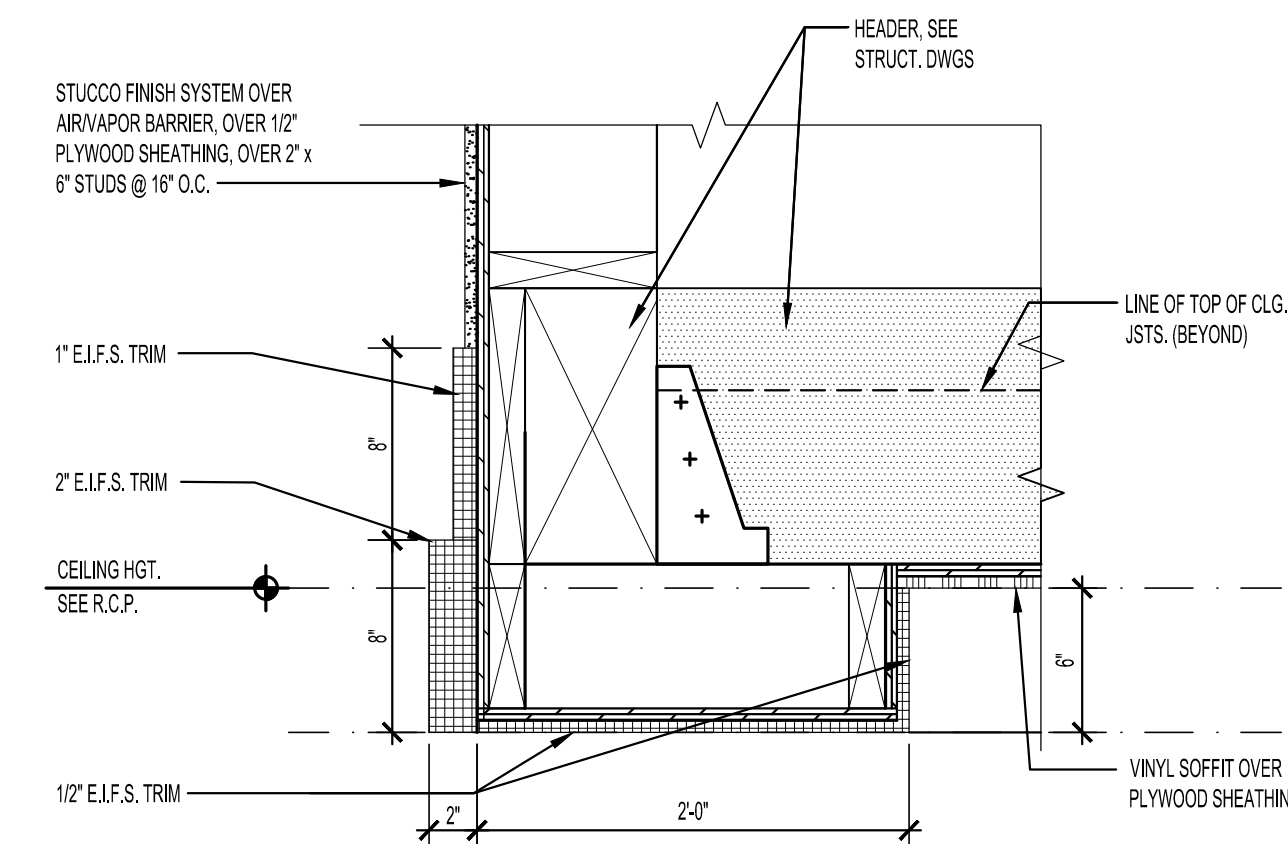
2 TYP. PILASTER DETAIL

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



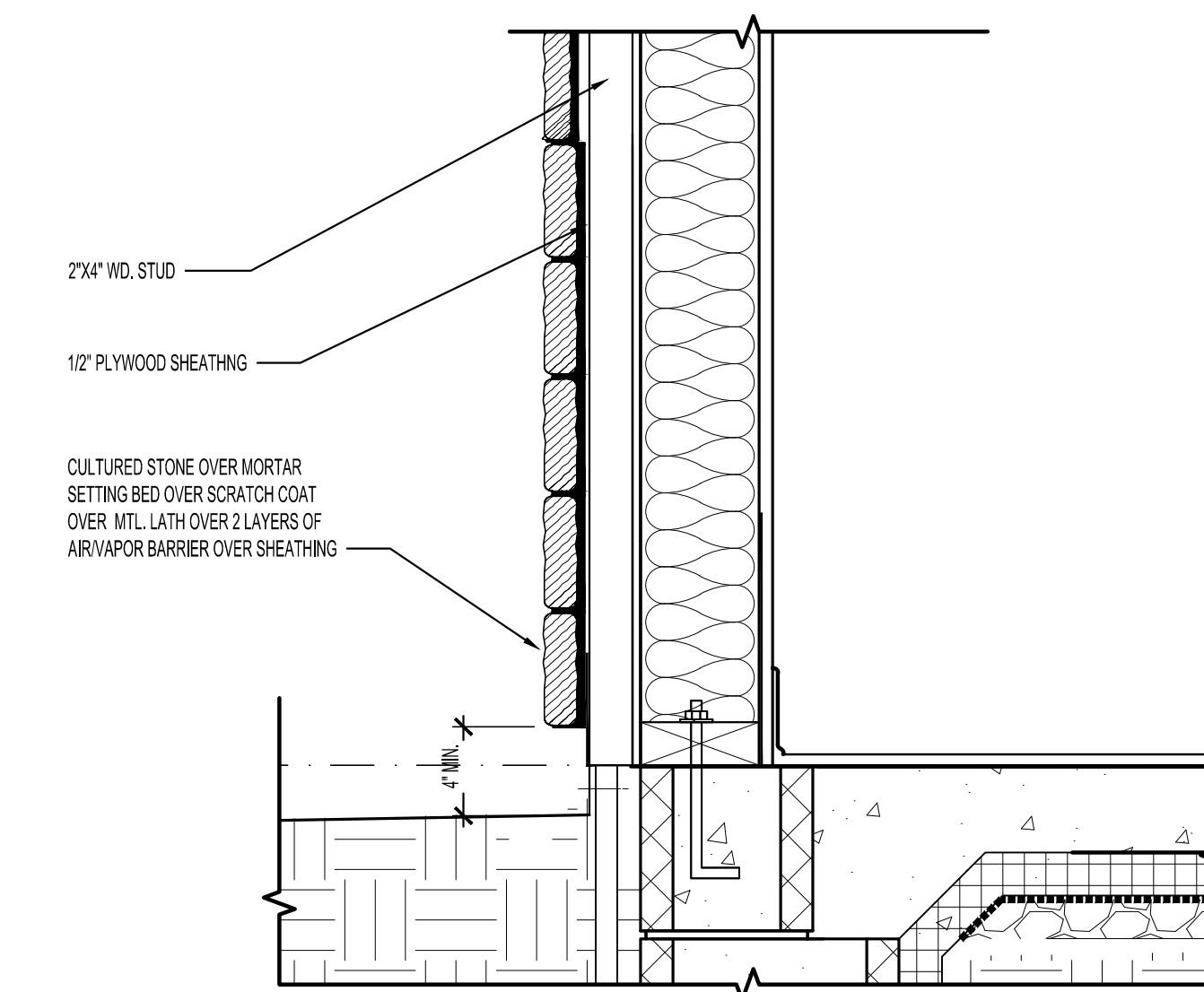
4 PLAN SECTION AT CANOPY

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



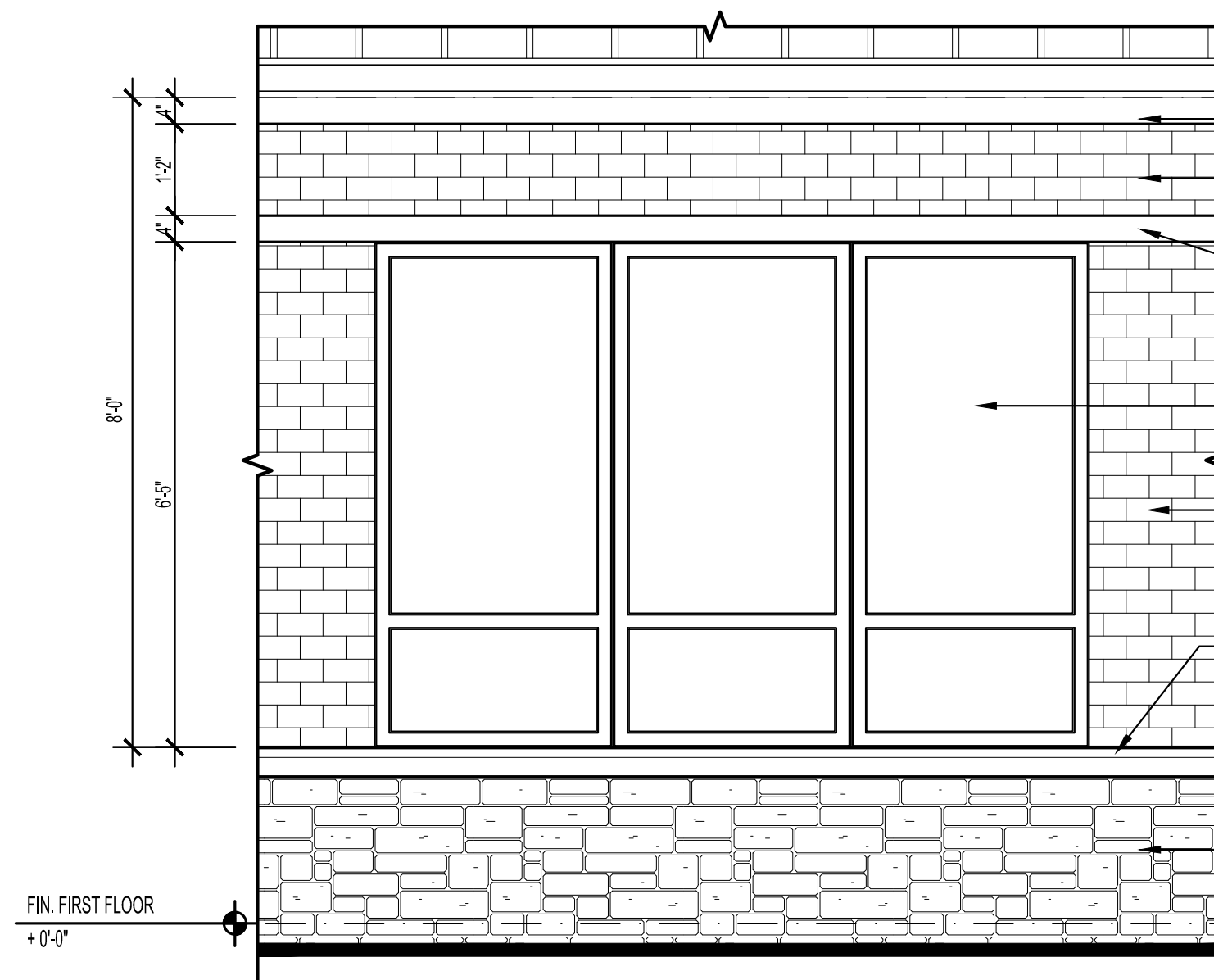
5 SECTION AT CANOPY

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



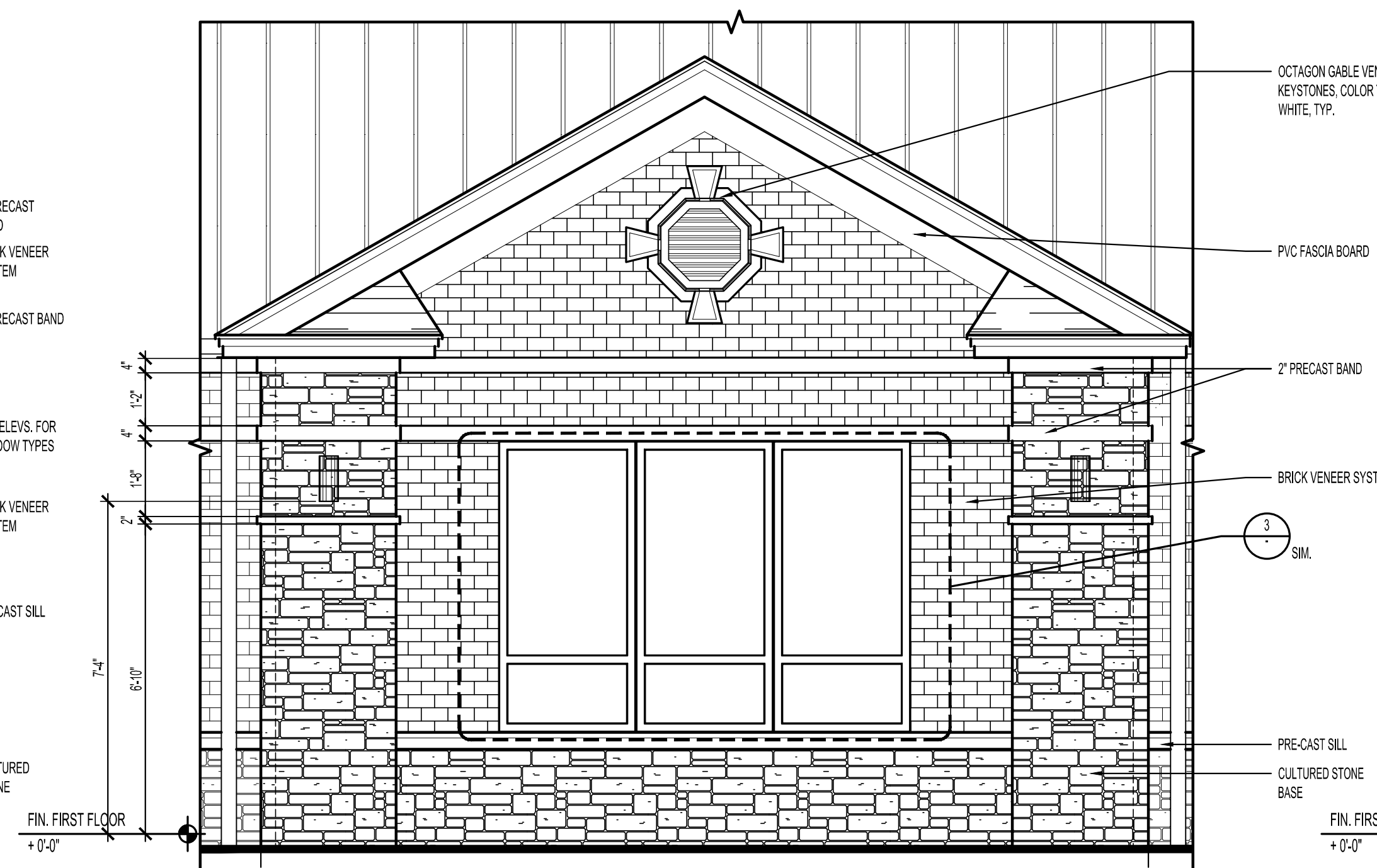
8 PILASTER BASE DETAIL

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



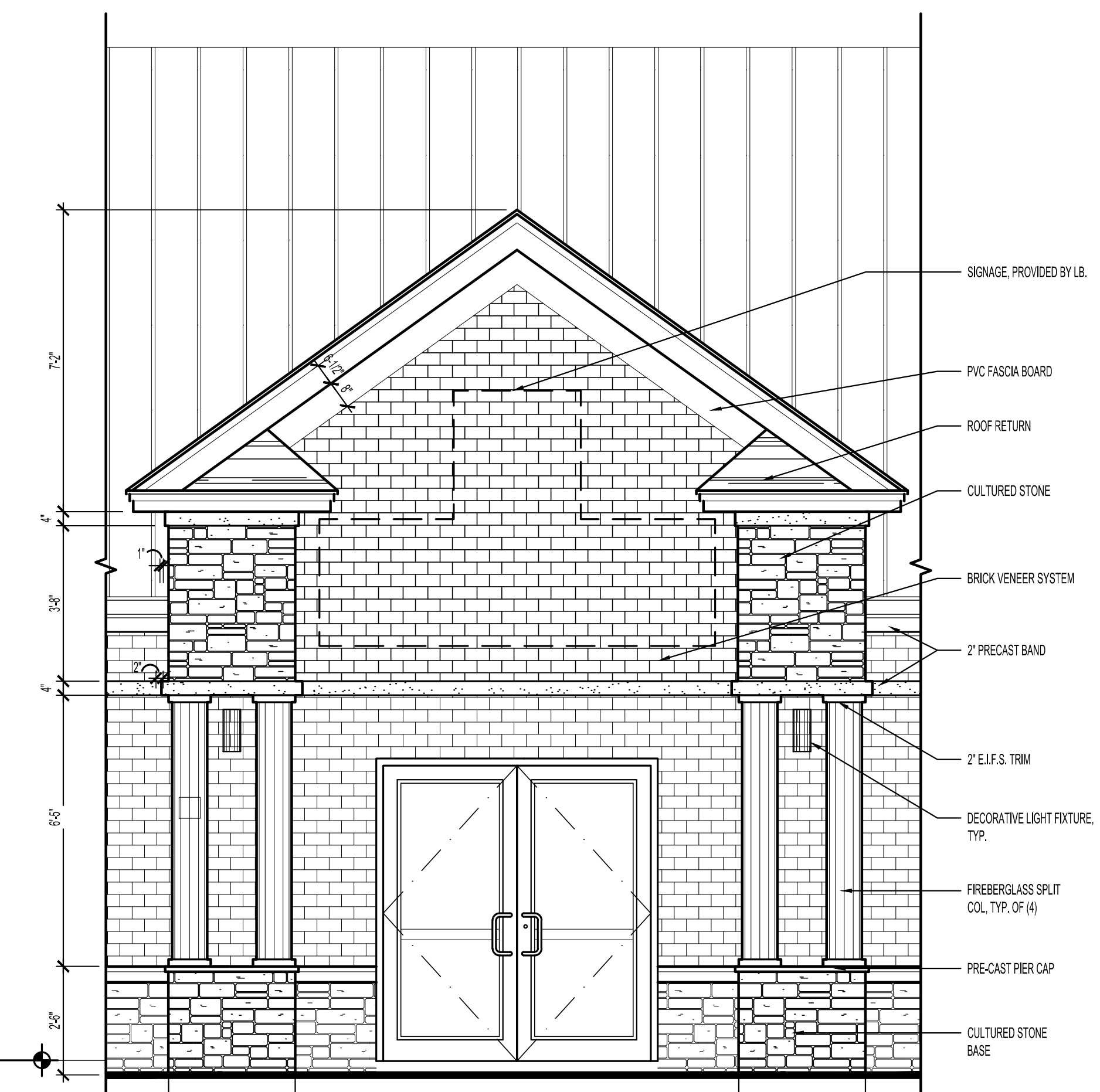
3 TYP. WINDOW TRIM

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



6 ELEVATION DETAIL

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



7 PORTICO ELEVATION

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

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03/28/2024		ISSUED FOR PERMIT

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DRAWN BY:	JAM/KM
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GENERAL NOTES:
 1. SEE DWG. G105 FOR ART WORK LOCATIONS.



IS NOW COLLIERS ENGINEERING & DESIGN
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 373 US Route 46 West
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Project:
 LIGHTBRIDGE ACADEMY
 655 Reedy Creek Rd
 Cary, NC 27513

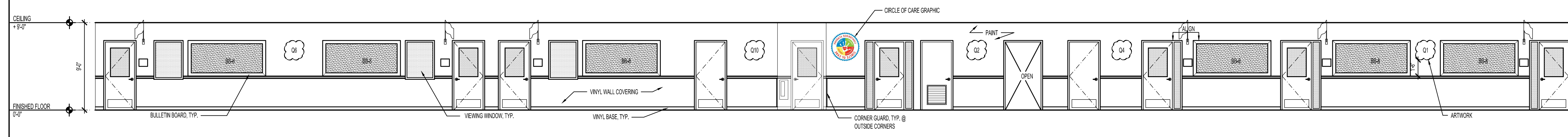
Developer:
 STNL Advisors LLC
 260 Madison Ave, 5th Flr
 New York, NY 10016

Lot: -
Zone: -

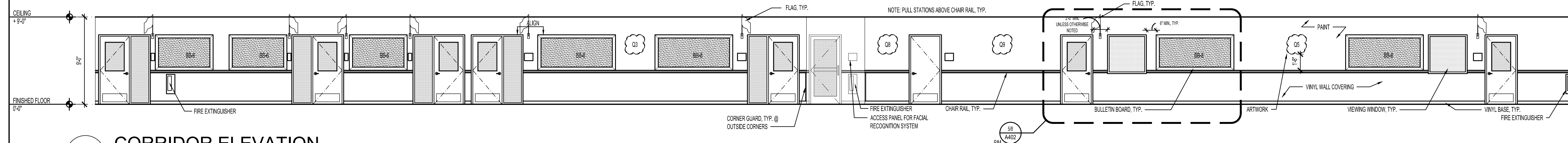
SHEET TITLE:
**CORRIDOR ELEVATIONS
 & NOTES**

JOB NUMBER: 2022-01-09
 DATE: 10/07/2022
 DRAWN BY: JAM/KM
 CHECKED BY: JAM

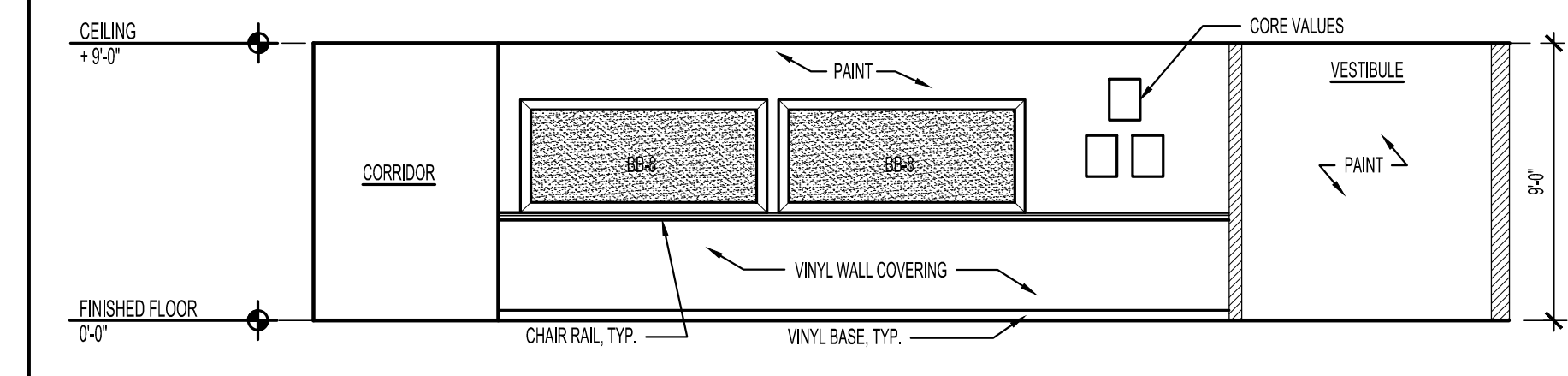
SHEET NO.
A404



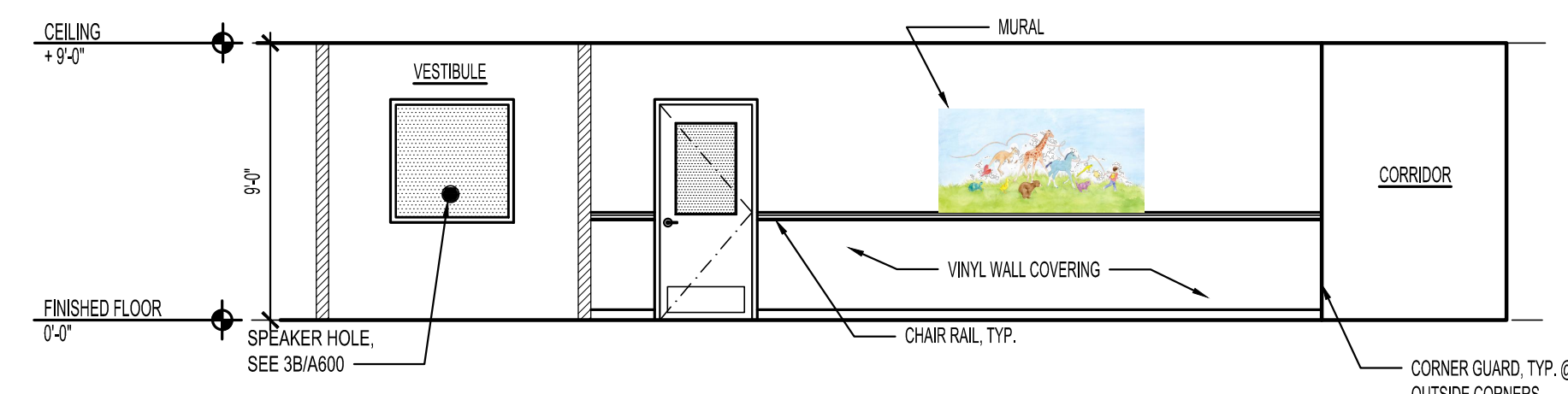
1 CORRIDOR ELEVATION
 SCALE: 3/16" = 1'-0"



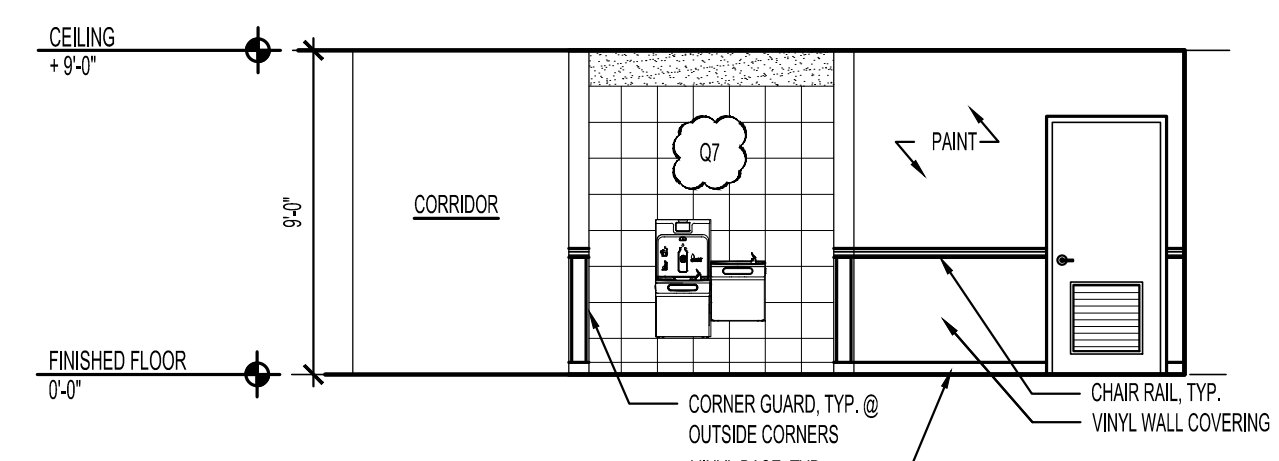
2 CORRIDOR ELEVATION
 SCALE: 3/16" = 1'-0"



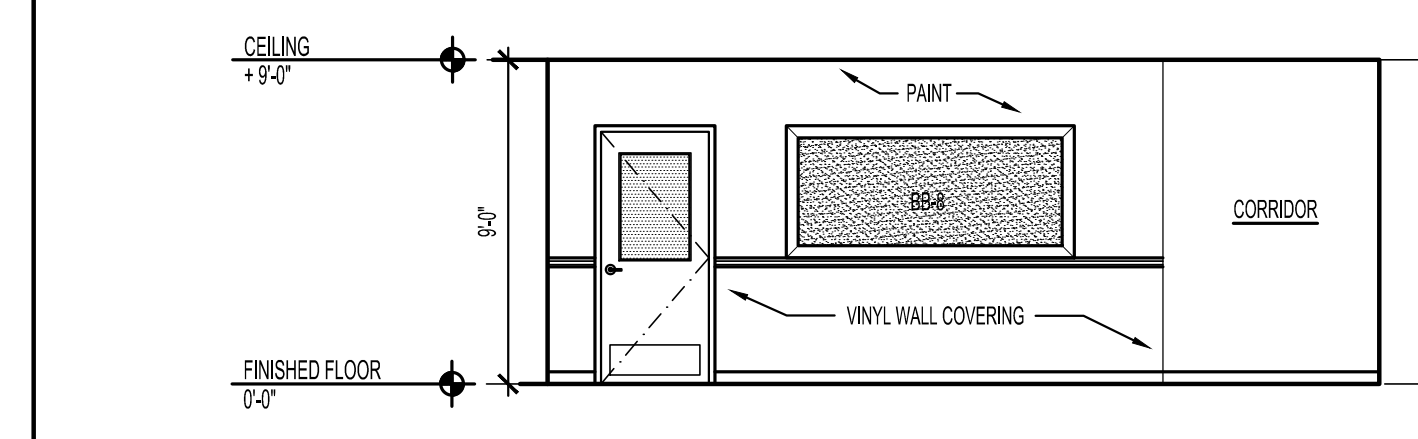
3 CORRIDOR ELEVATION
 SCALE: 3/16" = 1'-0"



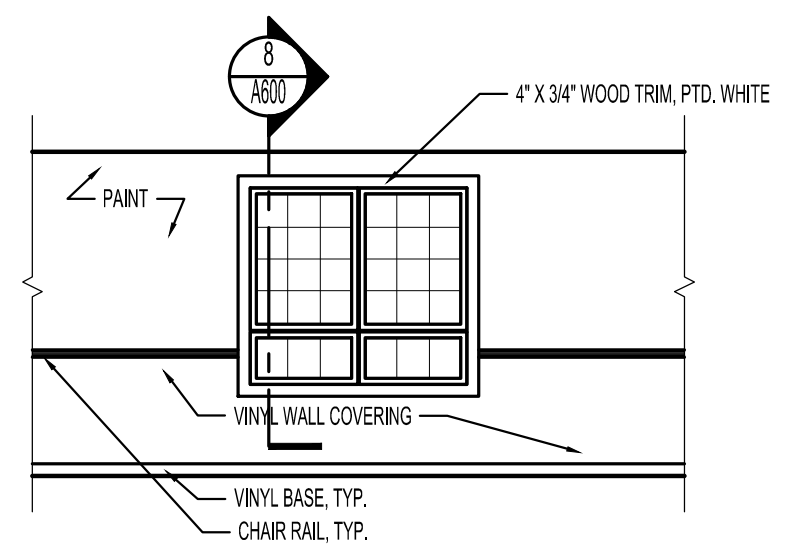
4 CORRIDOR ELEVATION
 SCALE: 3/16" = 1'-0"



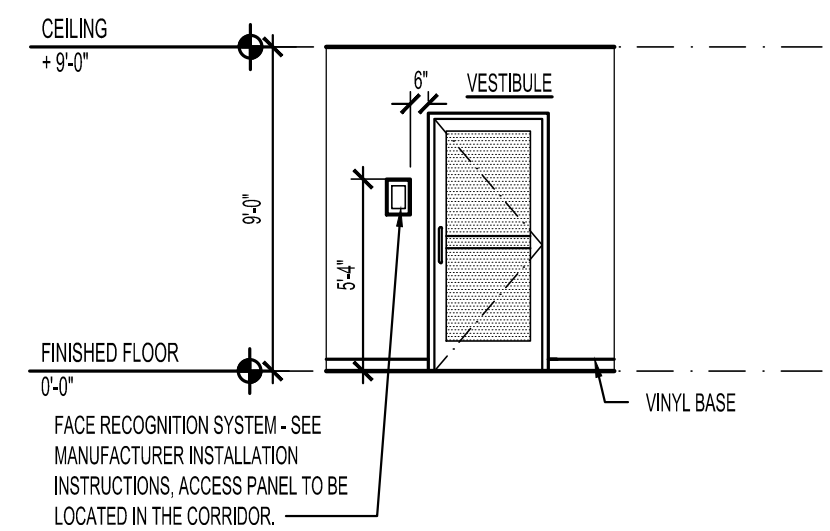
5 CORRIDOR ELEVATION
 SCALE: 3/16" = 1'-0"



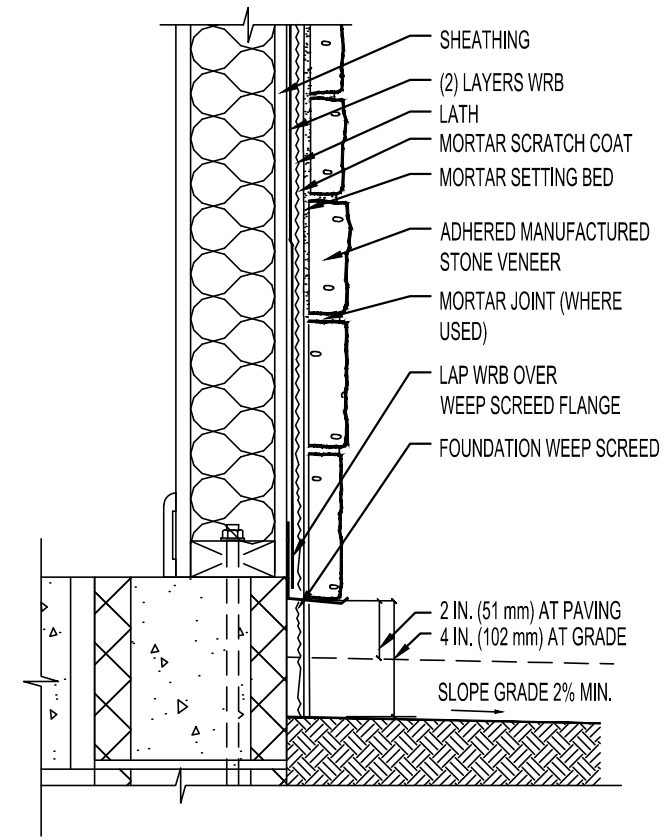
6 CORRIDOR ELEVATION
 SCALE: 3/16" = 1'-0"



7 TYPICAL WINDOW ELEVATION
 SCALE: 3/16" = 1'-0"

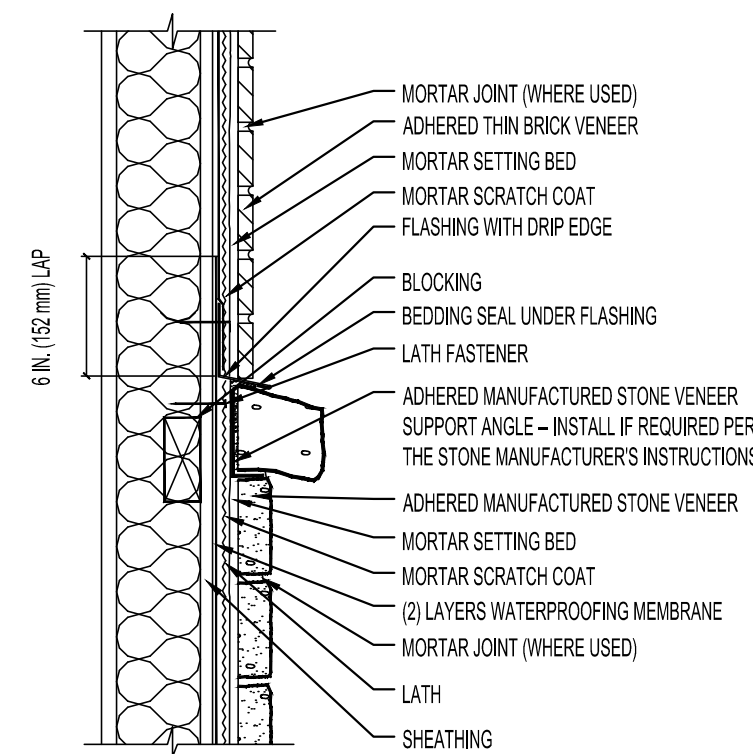


8 LATERAL VESTIBULE ELEVATION
 SCALE: 3/16" = 1'-0"



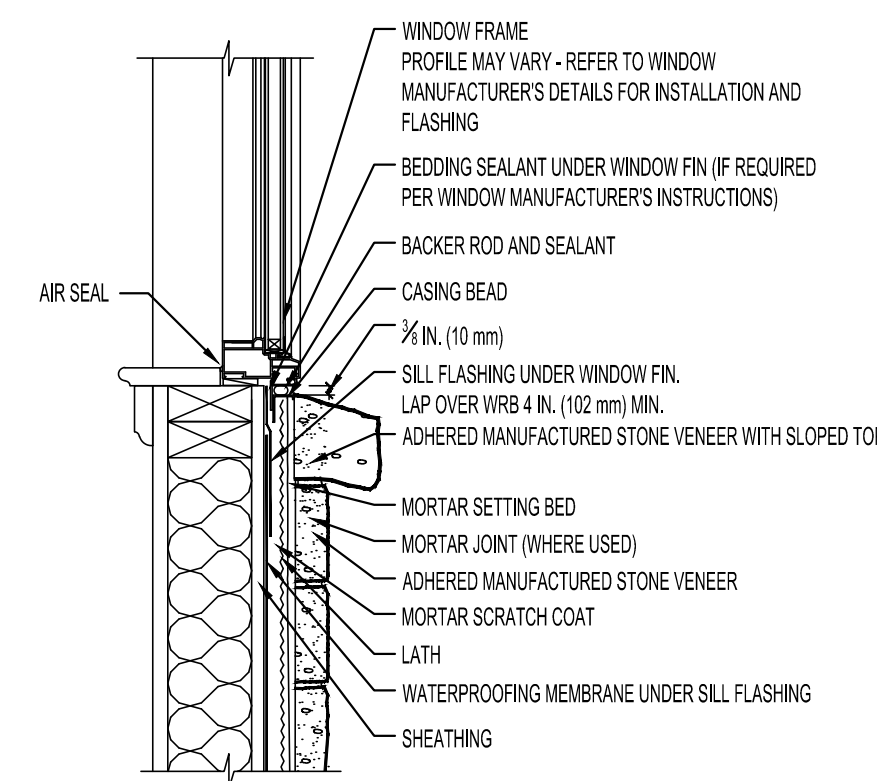
1 SECTION @ BASE

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



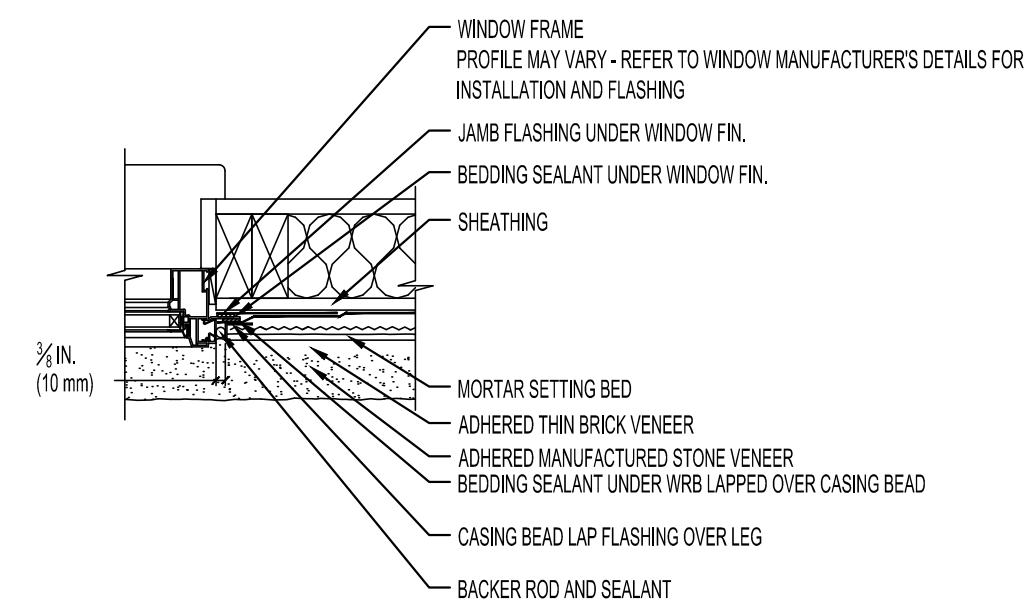
2 SECTION @ PRE-CAST SILL

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



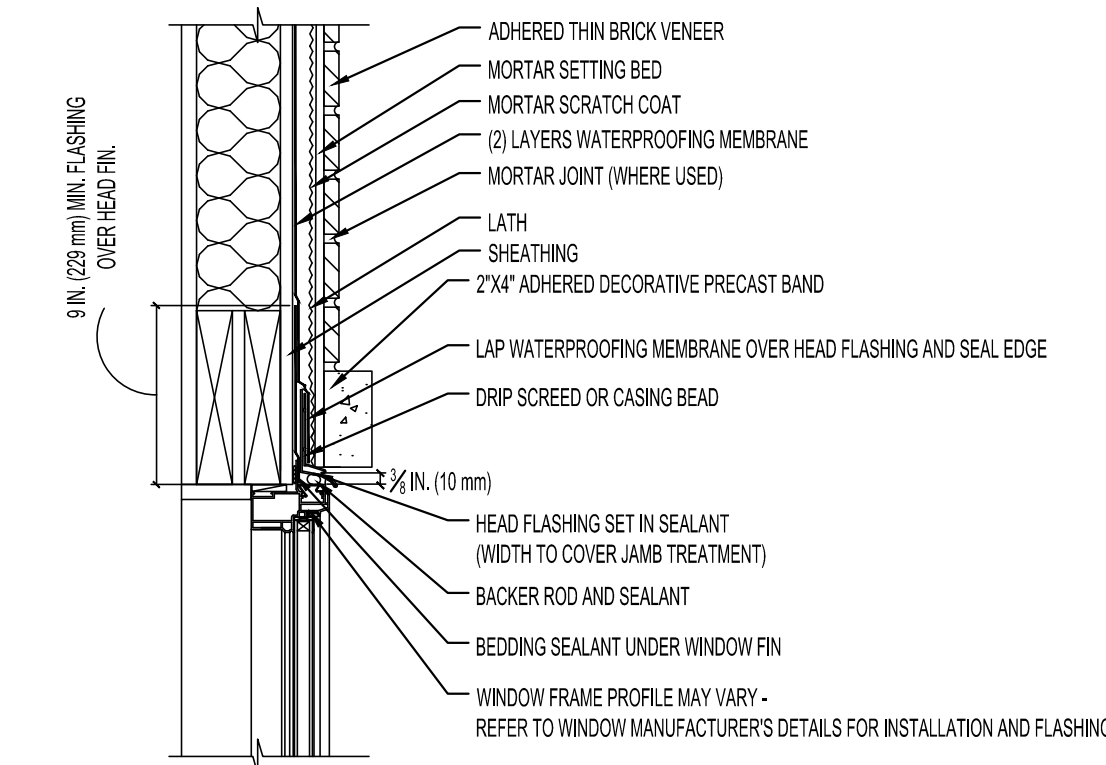
3 SECTION @ WINDOW SILL

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



4 SECTION @ WINDOW JAMB

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



5 SECTION @ WINDOW HEAD

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

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Project:
LIGHTBRIDGE ACADEMY
655 Reedy Creek Rd
Cary, NC 27513

Developer:
STNL Advisors LLC
260 Madison Ave, 5th Flr
New York, NY 10016

Lot: -
Zone: -

SHEET TITLE:
EXTERIOR DETAILS

Rev. #	Date	Remarks

JOB NUMBER: 2022-01-09
DATE: 10/07/2022
DRAWN BY: JAM/KM
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SHEET NO.
A500

ARCHITECT OF RECORD:
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Project:
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New York, NY 10016

Lot: -
Zone: -

SHEET TITLE:
**PLAYGROUND DETAILS,
& NOTES**

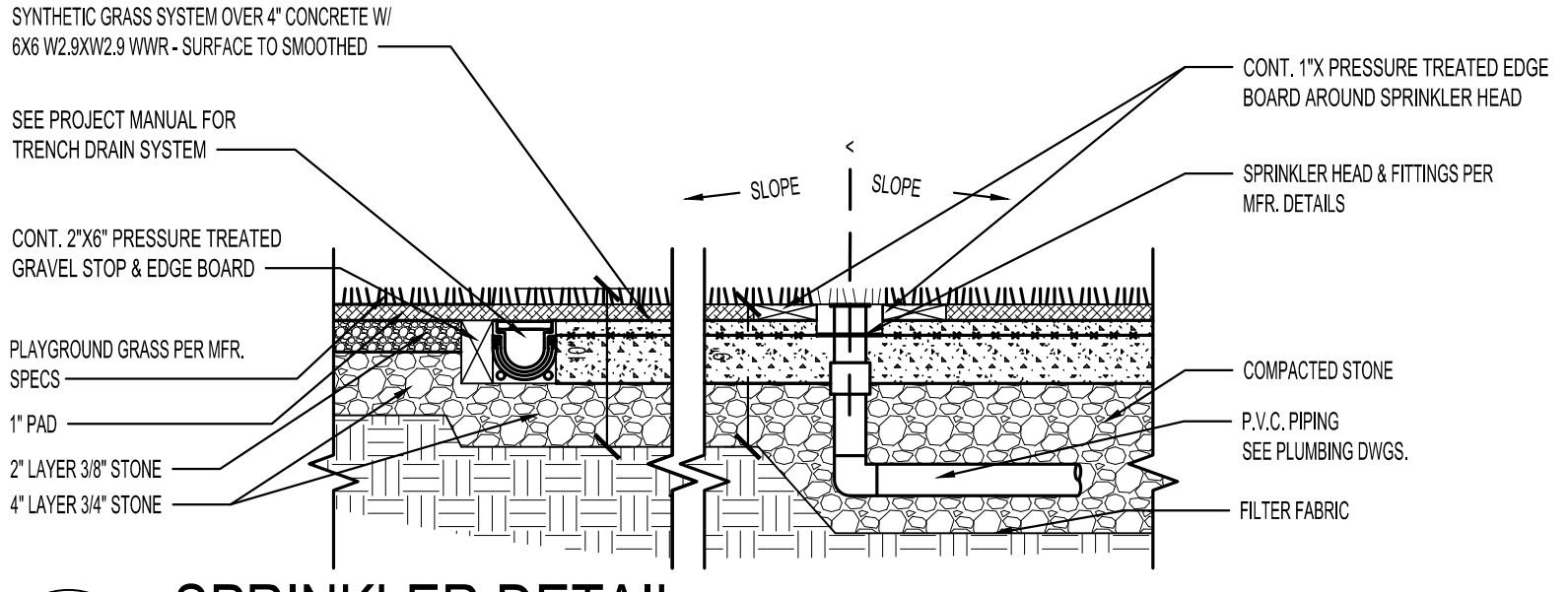
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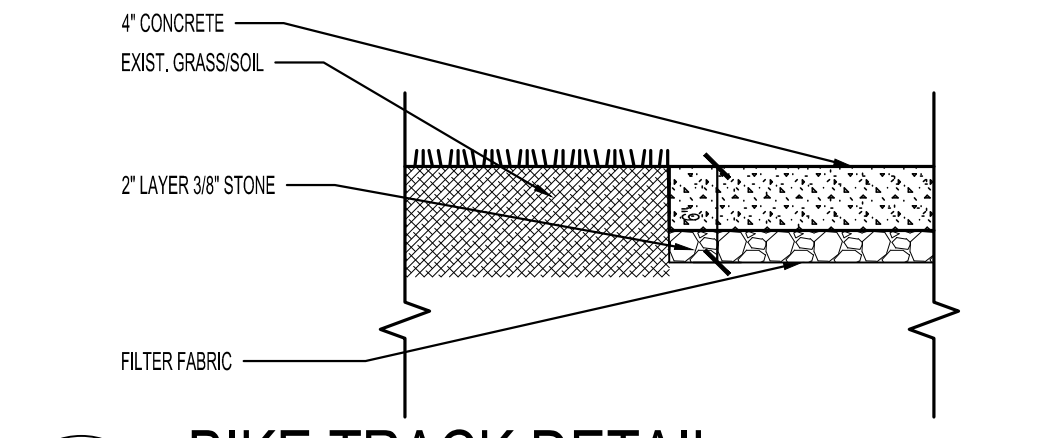
SHEET NO.
A701

- GENERAL NOTES:**
- SEE DWG. G101 FOR GENERAL CONDITIONS.
 - SEE DWG. A102 FOR FINISH PLAN.
 - SEE DWG. A700 FOR PLAYGROUND PLAN.
 - SEE CIVIL ENGINEERING DRAWINGS FOR ACTUAL LAYOUT OF PLAYGROUND.

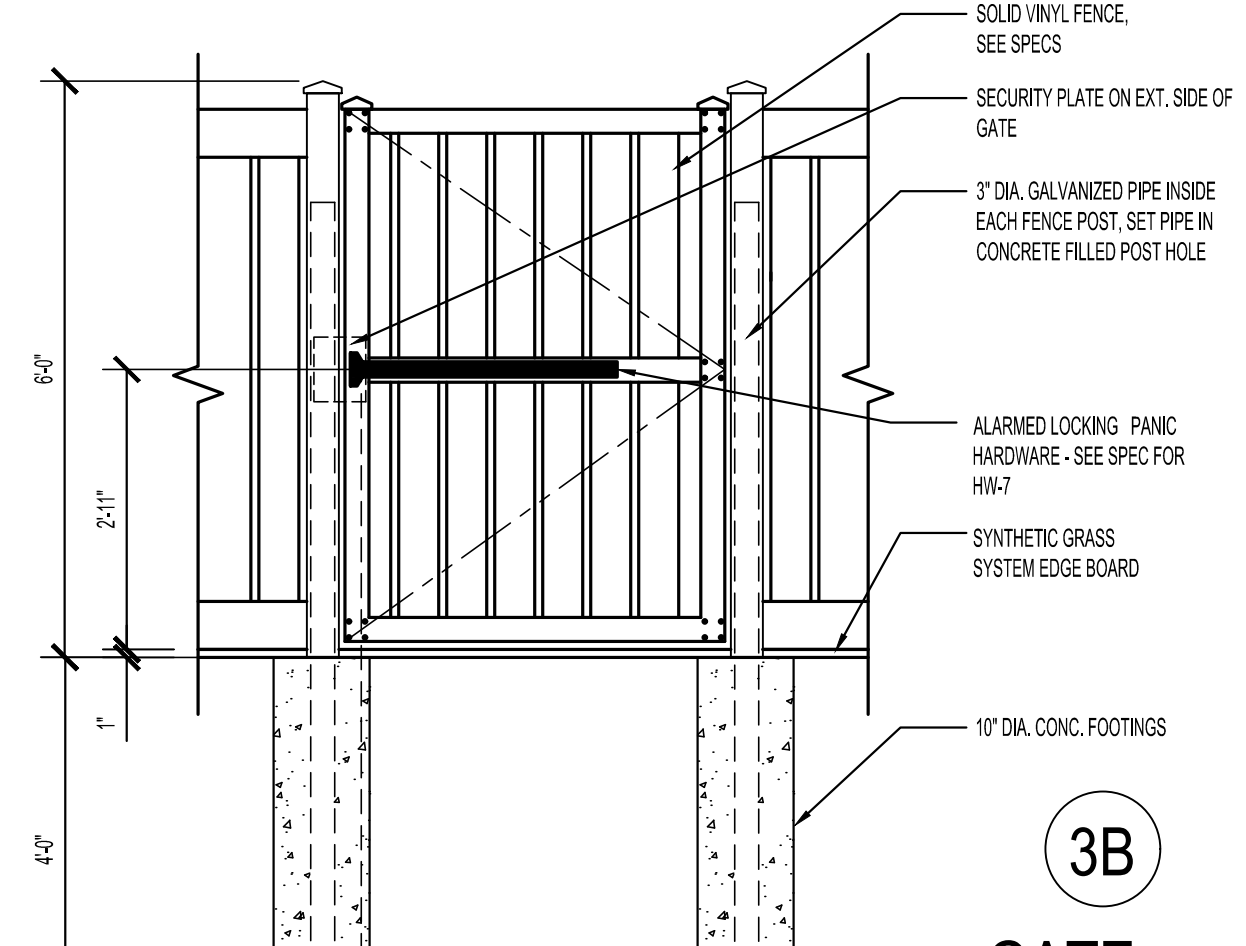
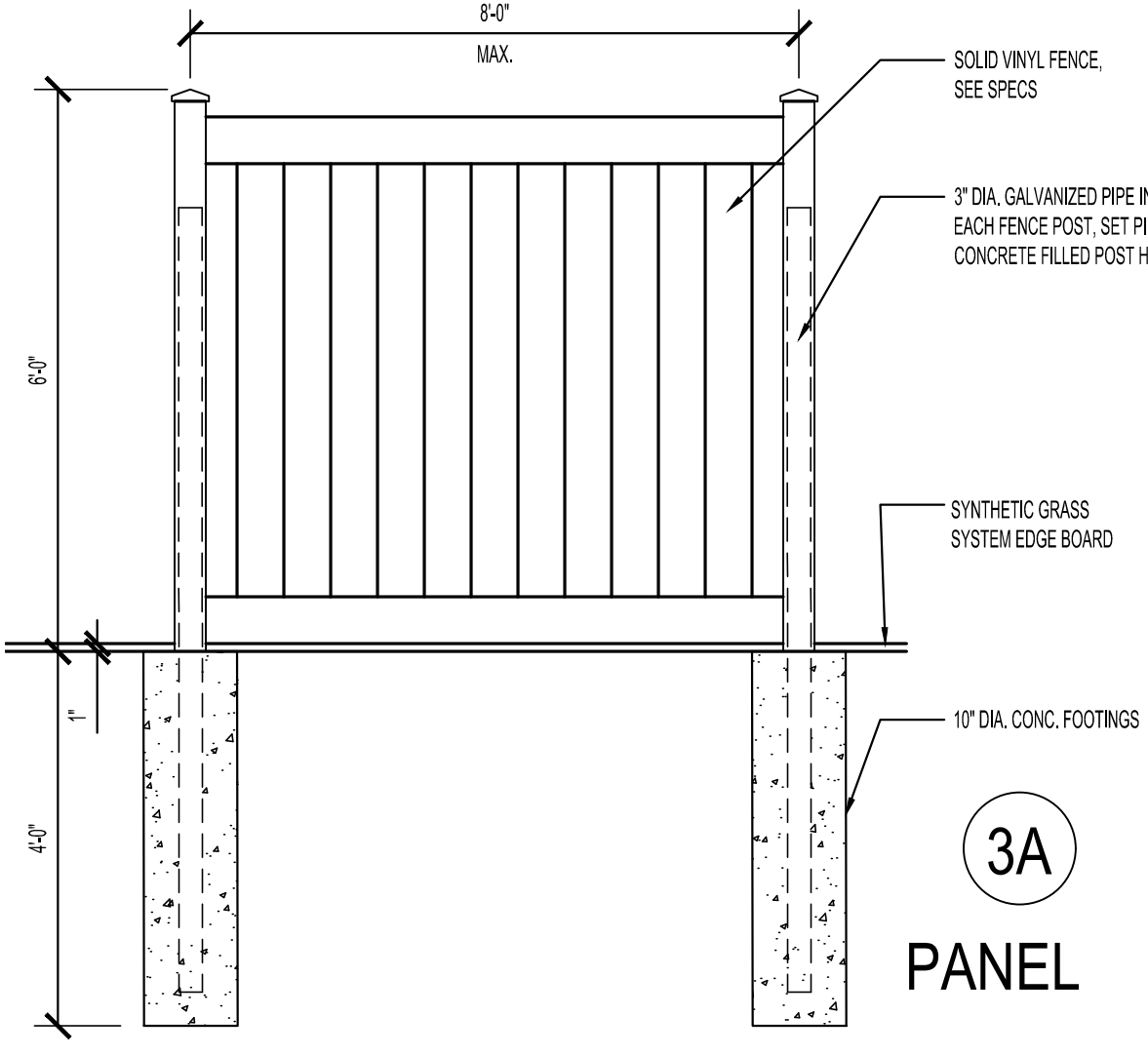
- PLAYGROUND NOTES:**
- CIVIL ENGINEER TO ENSURE PROPER DRAINAGE IS INSTALLED FOR PLAYGROUND AREA.
 - CONTRACTOR SHALL PREPARE BASE MATERIAL IN ACCORDANCE WITH ENGINEERS SPECIFICATIONS.
 - SYNTHETIC GRASS SHALL BE PLAYGROUND GRASS ULTRA AS MANUFACTURED BY "ForeverLawn" OR APPROVED EQUAL. SYSTEM SHALL BE ACCESSIBLE.
 - PADDING SHALL BE INSTALLED AND IN ACCORDANCE WITH CHILDCARE REGULATIONS.
 - CONTRACTOR TO PROVIDE AND COORDINATE CONCRETE FOOTINGS REQUIRED AT SHADE POSTS.
 - COORDINATE SYNTHETIC GRASS INSTALLATION REQUIREMENTS WITH VENDOR PRIOR TO START OF WORK.



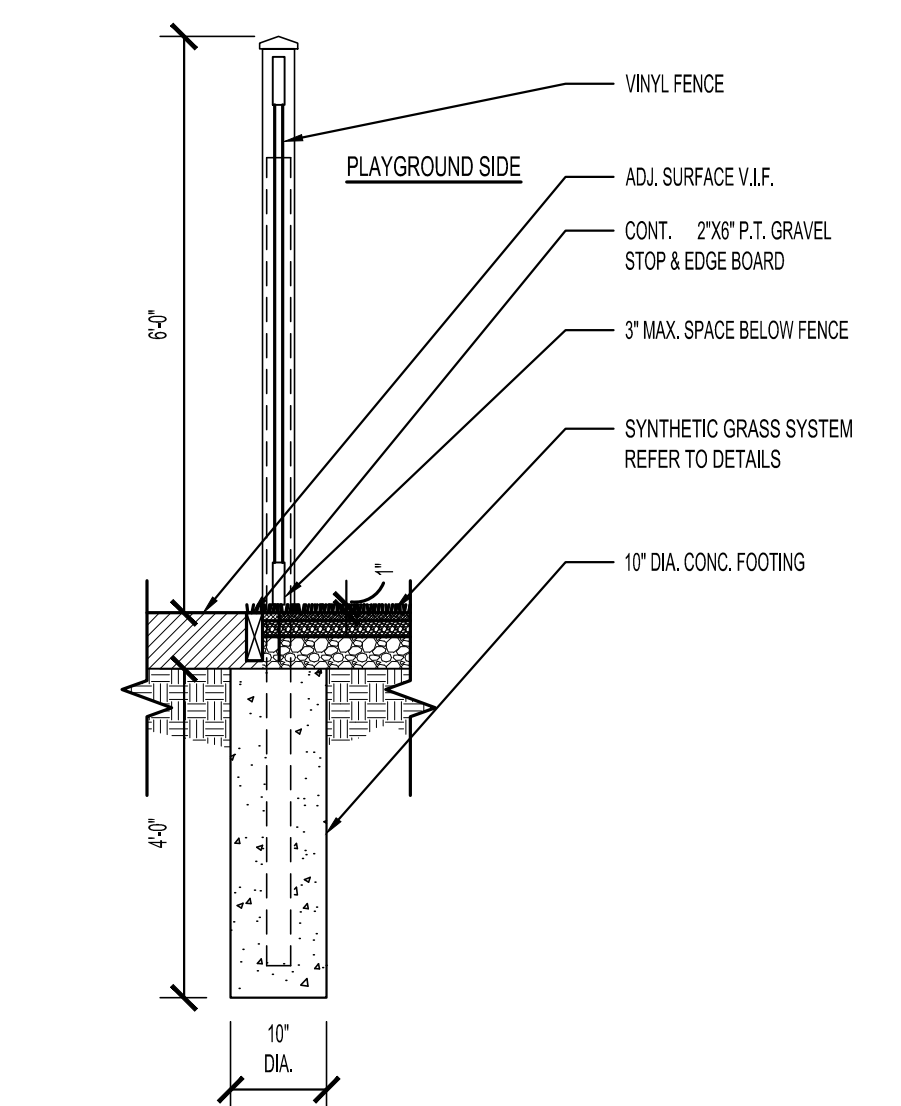
1 SPRINKLER DETAIL
SCALE: 1"=1'-0"



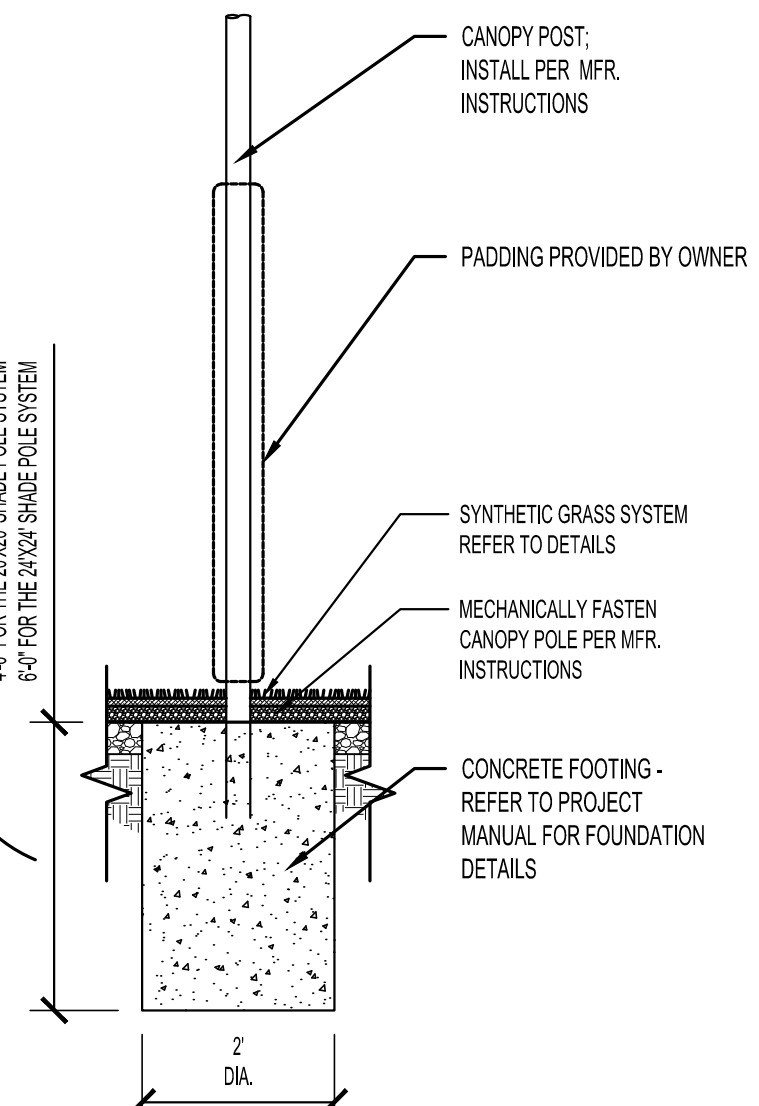
2 BIKE TRACK DETAIL
SCALE: 1"=1'-0"



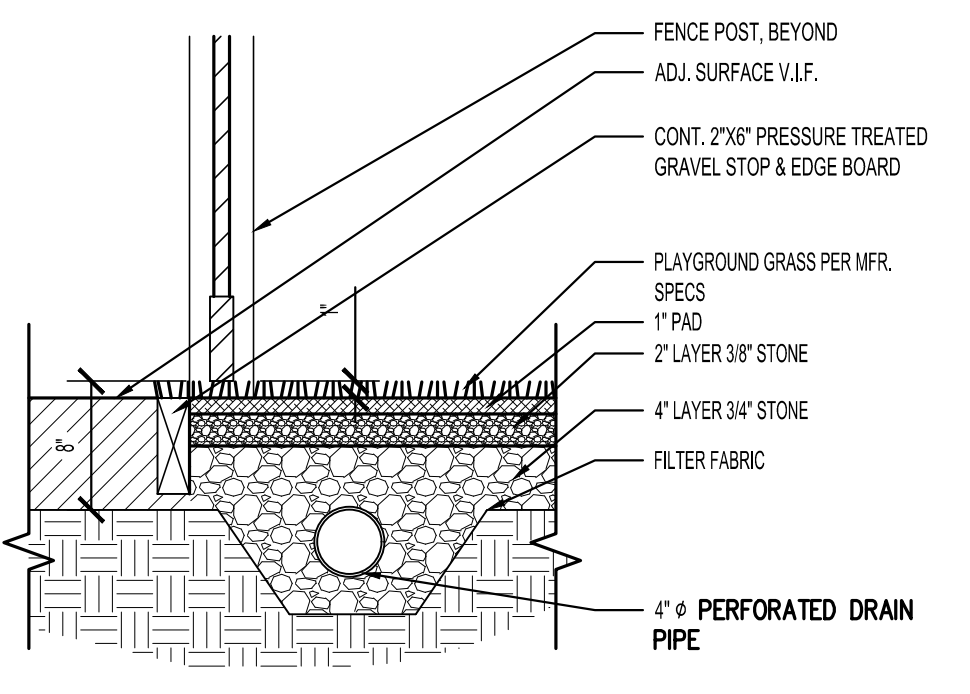
3 PRIVACY FENCE ELEVATIONS
SCALE: 1/2"=1'-0"



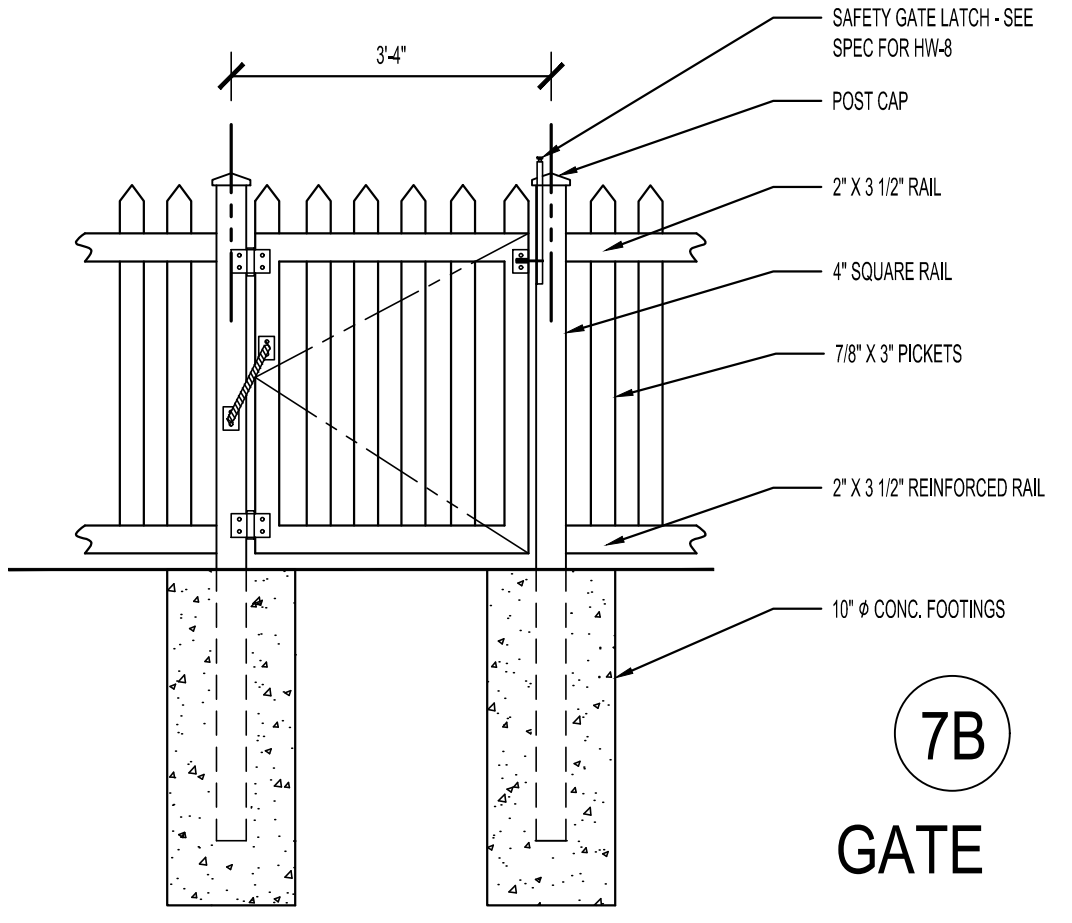
4 FENCE SECTION
SCALE: 1/2"=1'-0"



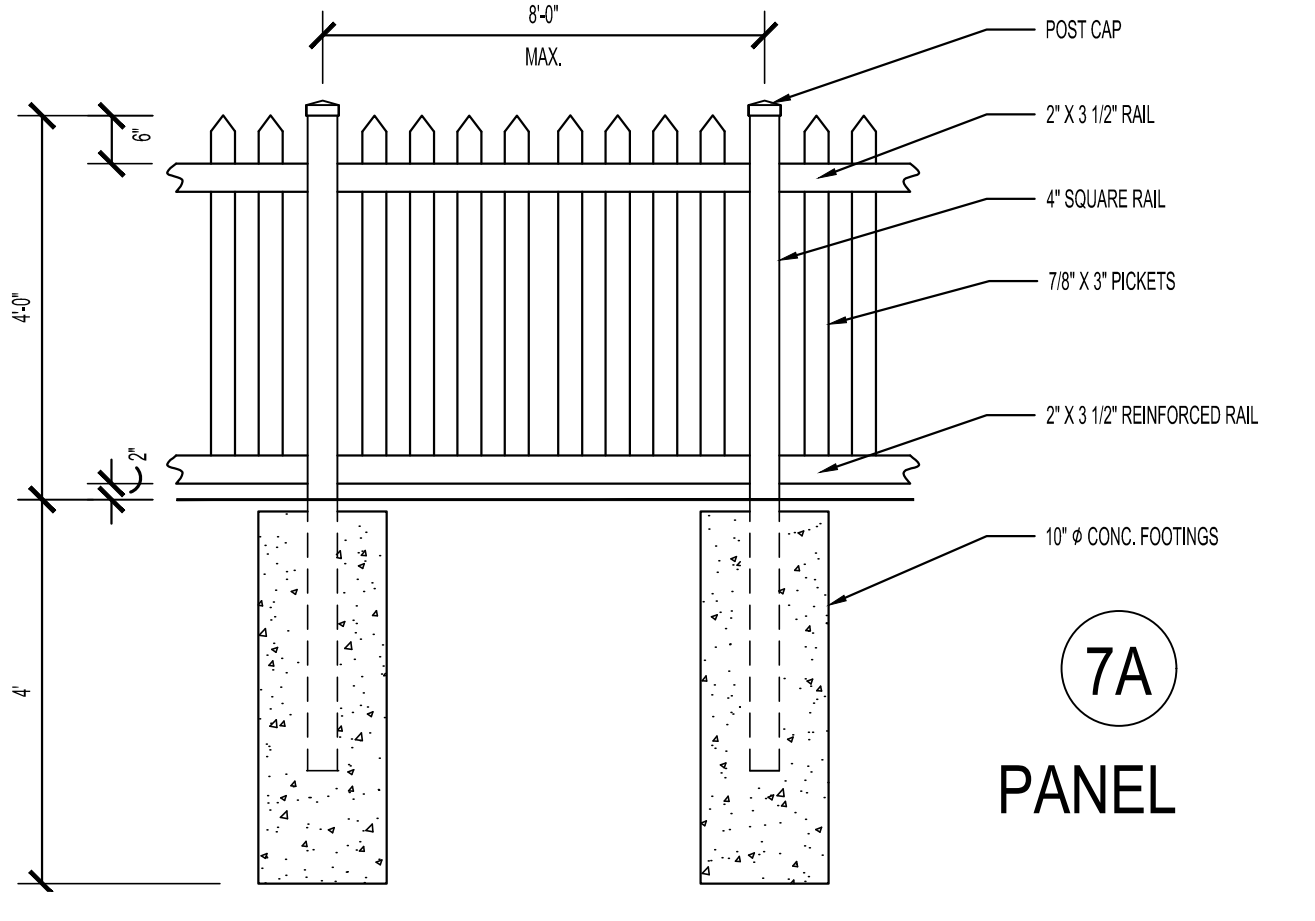
5 CANOPY POST FTG.
SCALE: 1/2"=1'-0"



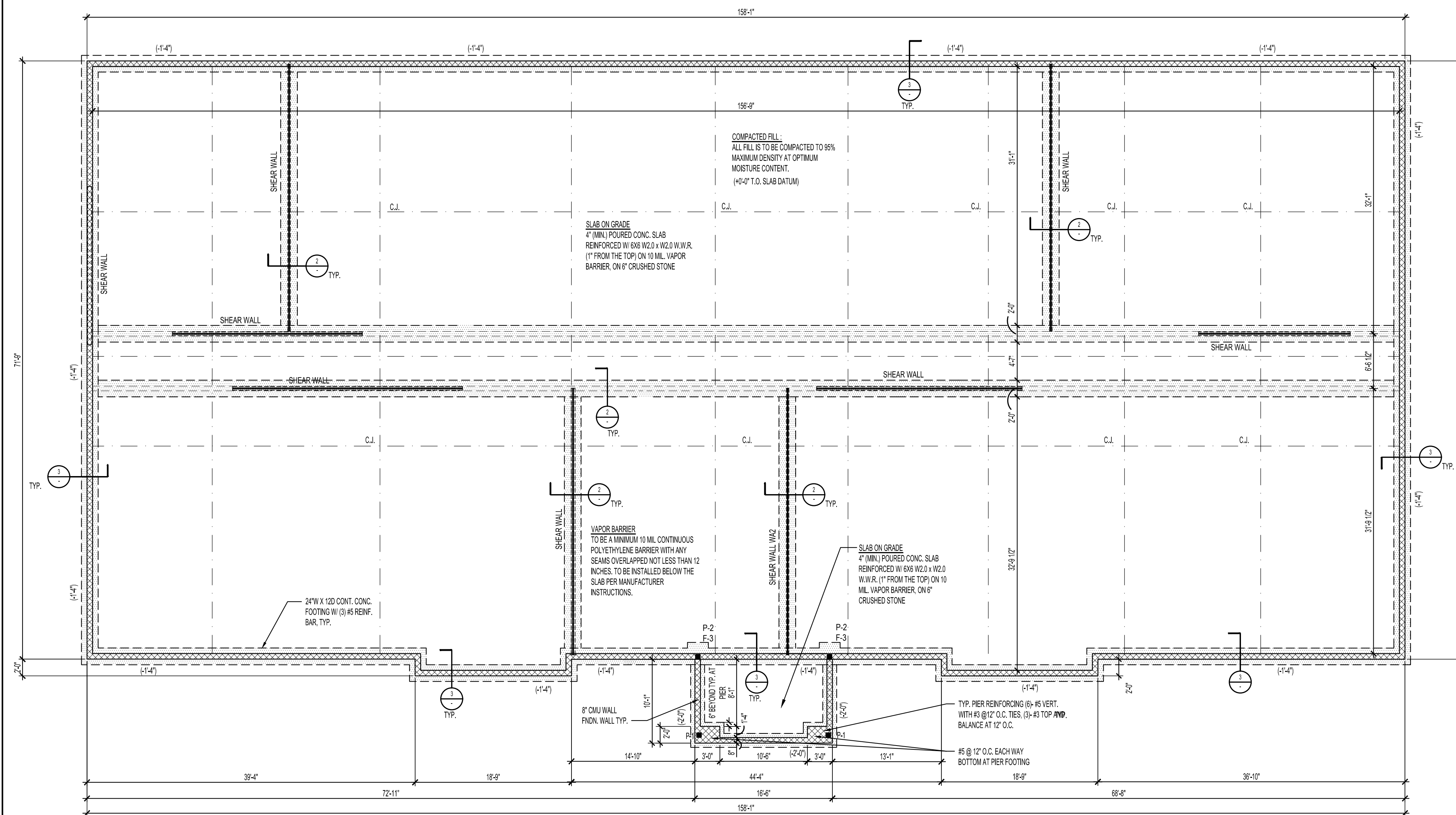
6 PLAYGROUND DETAIL
SCALE: 1"=1'-0"



7B PRIVACY FENCE ELEVATION - GATE
SCALE: 1/2"=1'-0"



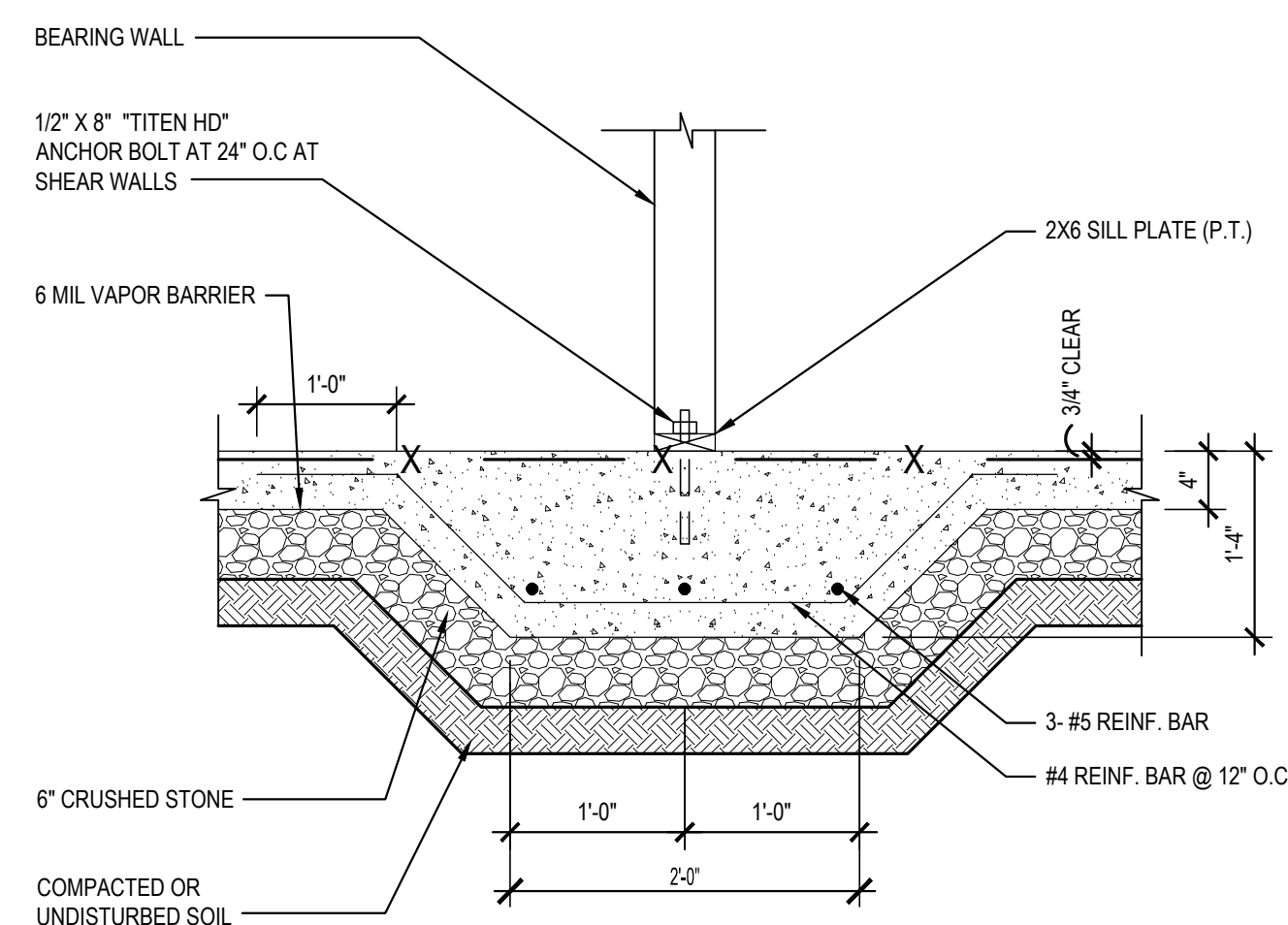
7A PRIVACY FENCE ELEVATION - PANEL
SCALE: 1/2"=1'-0"



1 FOUNDATION PLAN

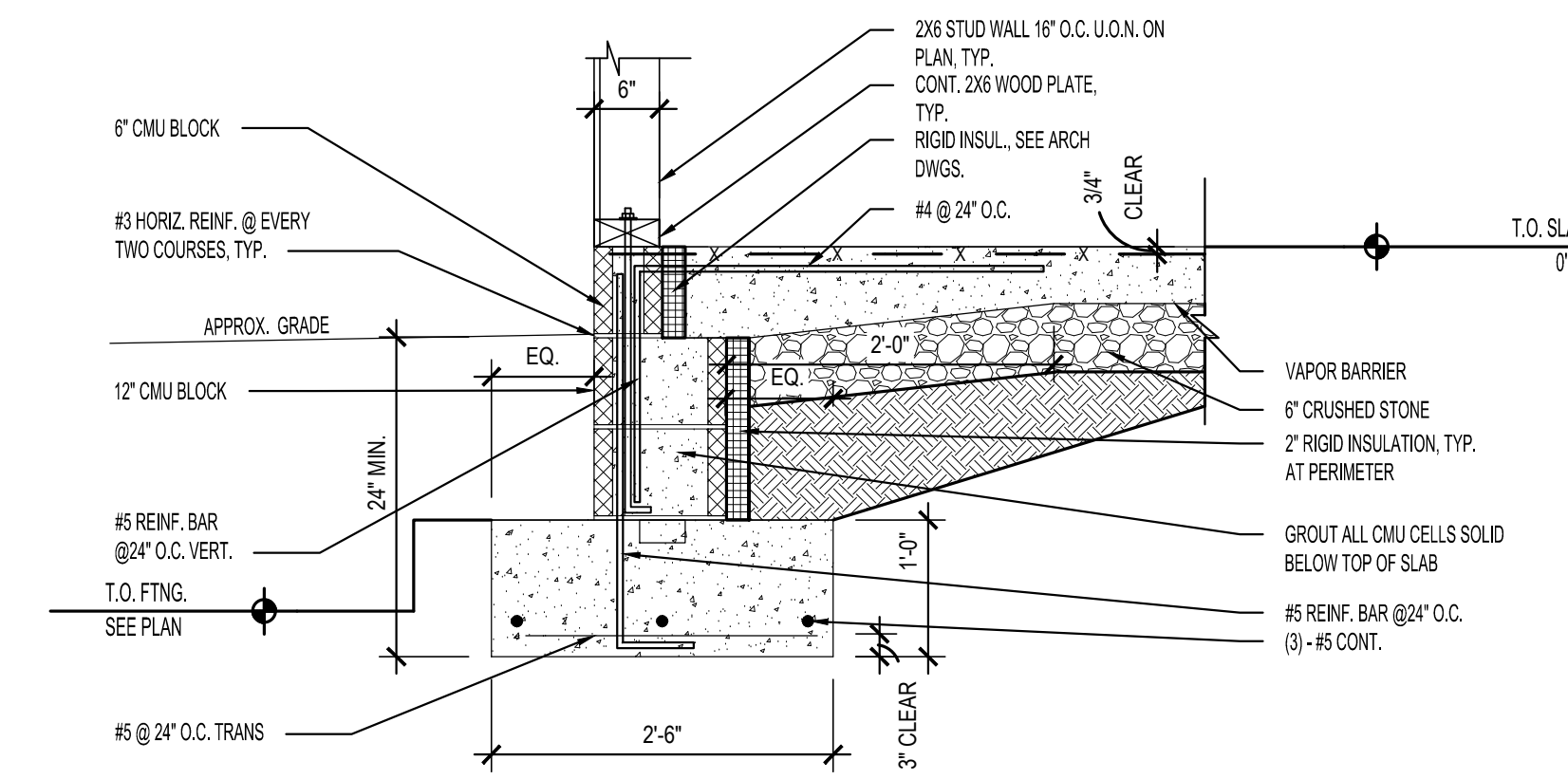
SCALE: 1/8" = 1'-0"

- NOTES:
- REFER TO THE CIVIL SITE PLANS FOR FINISHED OUTSIDE GRADES.
 - TOP OF FINISHED FLOOR SLAB ELEVATION 48.0' REFERENCES AS DATUM EL. 0.0'
 - TOP OF NEW FOOTING SHALL BE THIS: _____ ON PLAN BELOW TOP OF SLAB ELEVATION.



2 INTERIOR WALL FOOTING DETAIL

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



3 EXTERIOR WALL FOOTING DETAIL

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

GENERAL NOTES:

- SEE DWG. G101 FOR GENERAL CONDITIONS.
- SEE DWG. A100 FOR ARCHITECTURAL FLOOR PLAN.

STRUCTURAL NOTES:

- CONTRACTOR SHALL PROVIDE WOOD TRUSS SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. DRAWINGS SHALL BE SIGNED AND SEALED BY A N.C. PROFESSIONAL ENGINEER.
- CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL ROOF TOP EQUIPMENT. ALL LOADS SHALL BE PROVIDED TO THE TRUSS MANUFACTURER. ALL FRAMED OPENINGS SHALL BE HEADERED OFF WITH DOUBLE MEMBERS FASTENED WITH METAL JOIST HANGERS TO BEARING TRUSSES.
- CONTRACTOR TO COORDINATE LOCATIONS OF POSTS WITH DOOR AND WINDOW OPENINGS.
- PROVIDE TRIPLE STUDS AT ALL TRUSS GIRDER BEARING LOCATIONS.

NO.	SIZE
F-3	3'-0" x 3'-0" x 1'-0" W/ (#4) - #5 E.W. @ BOTTOM
F-4	3'-0" x 4'-0" x 1'-0" W/ #5 @ 12" O.C. E.W. @ BOTTOM

NO.	SIZE	BASE	CAP
P-1	5 1/4" x 5 1/4"	PB66	CC66
P-2	5 1/4" x 5 1/4"	AB66	CC66



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NOT VALID FOR CONSTRUCTION WITHOUT SEAL



Project:
LIGHTBRIDGE ACADEMY
 655 Reedy Creek Rd
 Cary, NC 27513

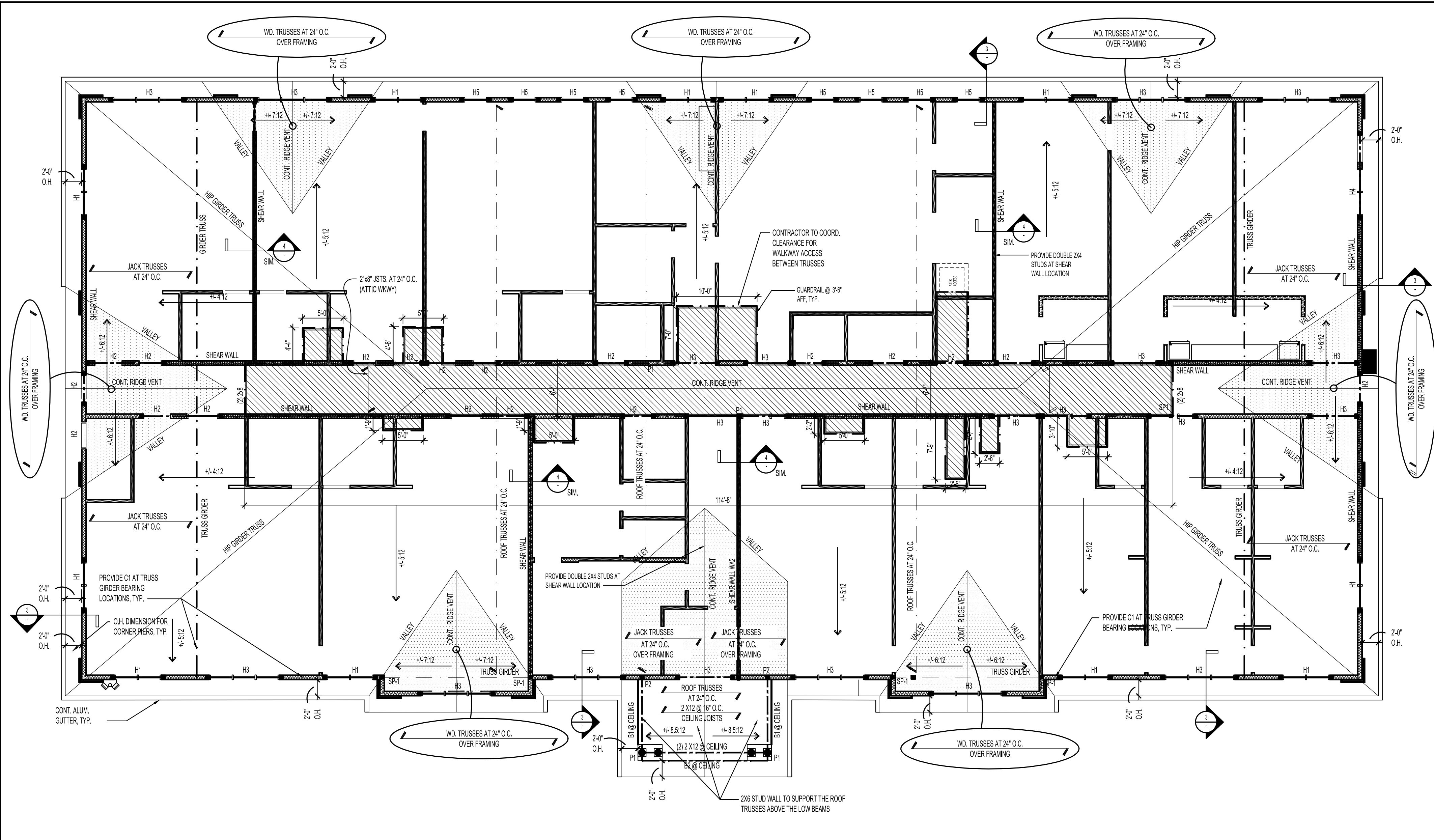
Developer:
 STNL Advisors LLC
 260 Madison Ave, 5th Flr
 New York, NY 10016

Lot: -
Zone: -

SHEET TITLE:
**FOUNDATION PLAN,
 DETAILS, & NOTES**

Rev. #	Date	Remarks
03/29/2024		ISSUED FOR PERMIT
JOB NUMBER:	2022-01-09	
DATE:	10/07/2022	
DRAWN BY:	JAM/KM	
CHECKED BY:	JAM	

SHEET NO.
S101



GENERAL NOTES:

1. SEE DWG. G101 FOR GENERAL CONDITIONS.
2. SEE DWG. S100 FOR FOUNDATION PLAN.
3. SEE DWG. A103 ROOF PLAN.

STRUCTURAL NOTES:

1. CONTRACTOR SHALL PROVIDE WOOD TRUSS SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. DRAWINGS SHALL BE SIGNED AND SEALED BY A NJ PROFESSIONAL ENGINEER.
2. CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL ROOF TOP EQUIPMENT. ALL LOADS SHALL BE PROVIDED TO THE TRUSS MANUFACTURER. ALL FRAMED OPENINGS SHALL BE HEADERED OFF WITH DOUBLE MEMBERS FASTENED WITH METAL JOIST HANGERS TO BEARING STRUCTURES.
3. CONTRACTOR TO COORDINATE LOCATIONS OF POSTS WITH DOOR AND WINDOW OPENINGS.
4. ALL TRUSS BEARING SHALL HAVE SIMPSON H2.5A MINIMUM.
5. BOTTOM OF TRUSSES TO BE +11'-0" A.F.F.

COLUMN SCHEDULE			
NO.	SIZE	BASE	CAP
P-1	5 1/4" x 5 1/4"	PB66	CC66
P-2	5 1/4" x 5 1/4"	AB666	CC66

ADDITIONAL COLUMN SCHEDULE			
NO.	SIZE	BASE	CAP
C-1	5 1/4" x 5 1/4"	PB66	CC66

NOTE: C-1 COLUMNS TO HAVE (2) SIMPSON LG2 GIRDER TIEDOWNS AND HDU-2 HOLLOWDOWN ANCHORS. PROVIDE PRESERVATIVE TREATED ENGINEERED LUMBER SILL BELOW COLUMNS.

BEARING WALL HEADER SCHEDULE			
NO.	SIZE	JACK STUD	KING STUD
H-1	(3) 2" X 12"	(2) 2x6	(3) 2x6
H-2	(3) 2" X 8"	(2) 2x6	(2) 2x6
H-3	(3) 1-3/4" X 9-1/2" LVL	(2) 2x6	(3) 2x6
H-4	(3) 1-3/4" X 11-1/4" LVL	(3) 2x6	(1) 2x6
H-5	(3) 2" X 10"	(2) 2x6	(2) 2x6

- NOTES:**
1. PACK OUT HEADERS WITH PLY WOOD AS REQUIRED TO MATCH WALL THICKNESS AND PACK OUT EXTERIOR WALL HEADERS WITH RIGID INSULATION AT INSIDE FACE. COORD W/ ARCH DOWNS.
 2. NAIL ALL MULTIPLE PLY HEADERS TOGETHER W/ (3) ROWS OF 12D NAILS @ 8" OC.
 3. TOE NAIL ALL HEADERS TO KING STUDS W/ MIN. (6) 10D NAILS EA FACE (12 EA END).
 4. AT POSTS NAIL EA PLY W/ (2) ROWS OF 10D @ 8" OC.

BEAM SCHEDULE			
NO.	SIZE	CONNECTOR	COMMENTS
B-1	5 1/4" x 11 7/8" PARALLAM	BC46	CONNECTED TO TOP PLATE
B-2	5 1/4" x 11 7/8" PARALLAM	HU0212-SDS	CONNECTED TO FACE

NON-LOAD BEARING WALL HEADER SCHEDULE (FOR ALL HEADERS NOT SHOWN ON PLAN)	
OPENING WIDTH	HEADER SIZE
UP TO 4'-0"	(2) 2" X 8"
4'-0" TO 6'-0"	(2) 2" X 8"
6'-0" TO 9'-0"	(2) 2" X 12"

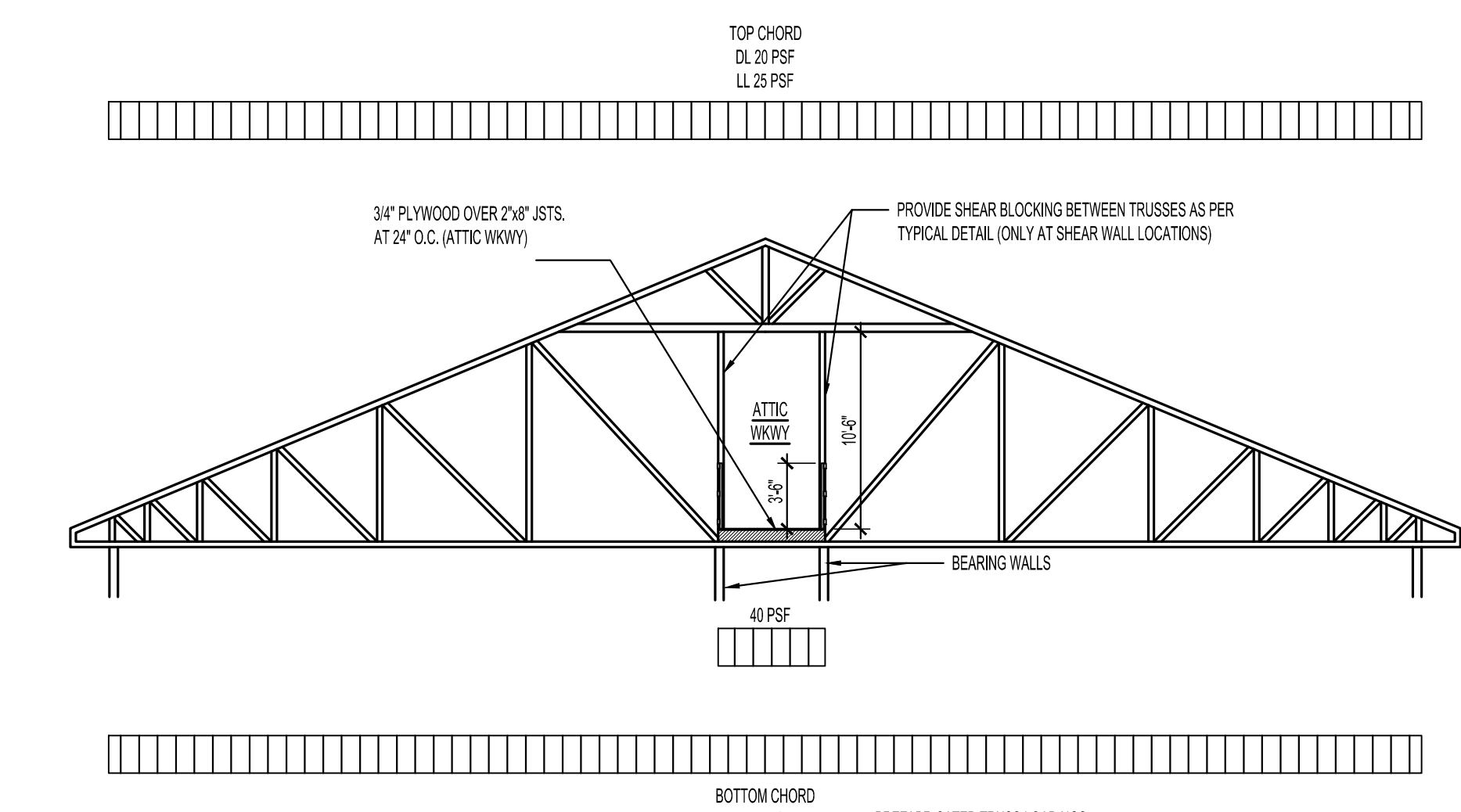
BEARING WALL SCHEDULE			
DESCRIPTION	STUDS	SPACING	SPECIES/GRADE
EXTERIOR	2X6	16"	#2 DOUGLAS FIR LARCH
INTERIOR (CORRIDOR WALLS)	2X6	16"	#2 DOUGLAS FIR LARCH

- NOTES:**
1. WALL TOP AND BOTTOM PLATES SHALL BE D-FIR #2 OR BETTER GRADE LUMBER

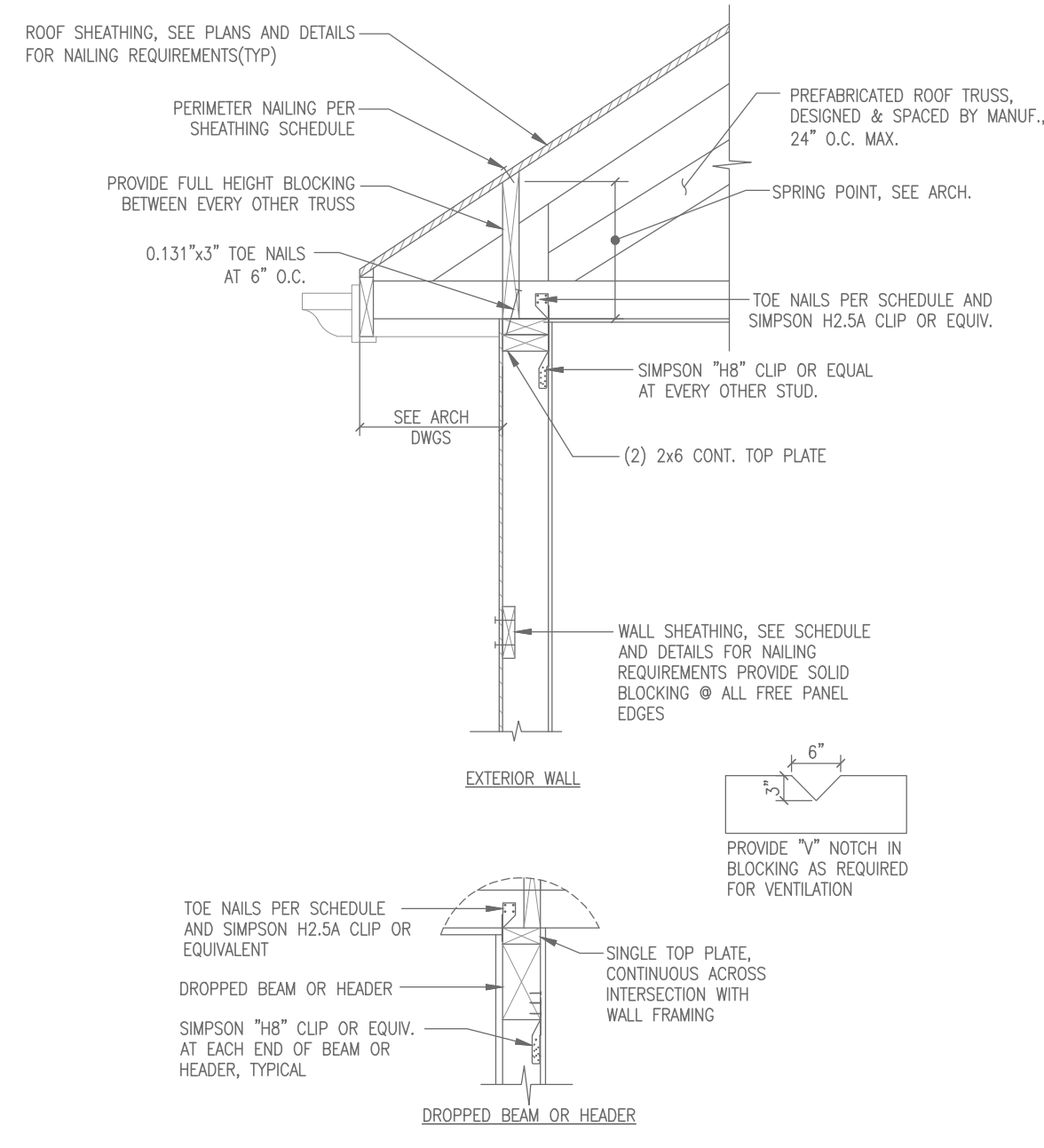
SHEAR WALL / SHEATHING SPECIFICATION	
LOCATION	DESCRIPTION
INTERIOR SHEAR WALL SHEATHING	7/16" OSB OR PLYWOOD SHEATHING FASTENED WITH 8D NAILS (6" AT EDGES/12" PANEL FIELD). 2X HORIZONTAL BLOCKING TO BE PROVIDED AT ALL PANEL EDGES.
EXTERIOR WALL SHEATHING	2X6" WALL WITH 7/16" OSB MIN. OR PLYWOOD EXTERIOR SHEATHING FASTENED WITH 8D NAILS (6" AT EDGES/12" IN PANEL FIELD). 2X HORIZONTAL BLOCKING TO BE PROVIDED AT ALL PANEL EDGES. PROVIDE 5/8" GYPSUM WALL BOARD ON INTERIOR FACE WITH 6D COOLER NAILS AT 7" O.C.

- NOTES:**
1. ALL SHEAR WALLS TO HAVE MIN. 2 STUDS AT SHEAR WALL END CONNECTIONS.
 2. PROVIDE SIMPSON DTTZZ HOLLOWDOWNS AT ALL INTERIOR SHEAR WALL ENDS.

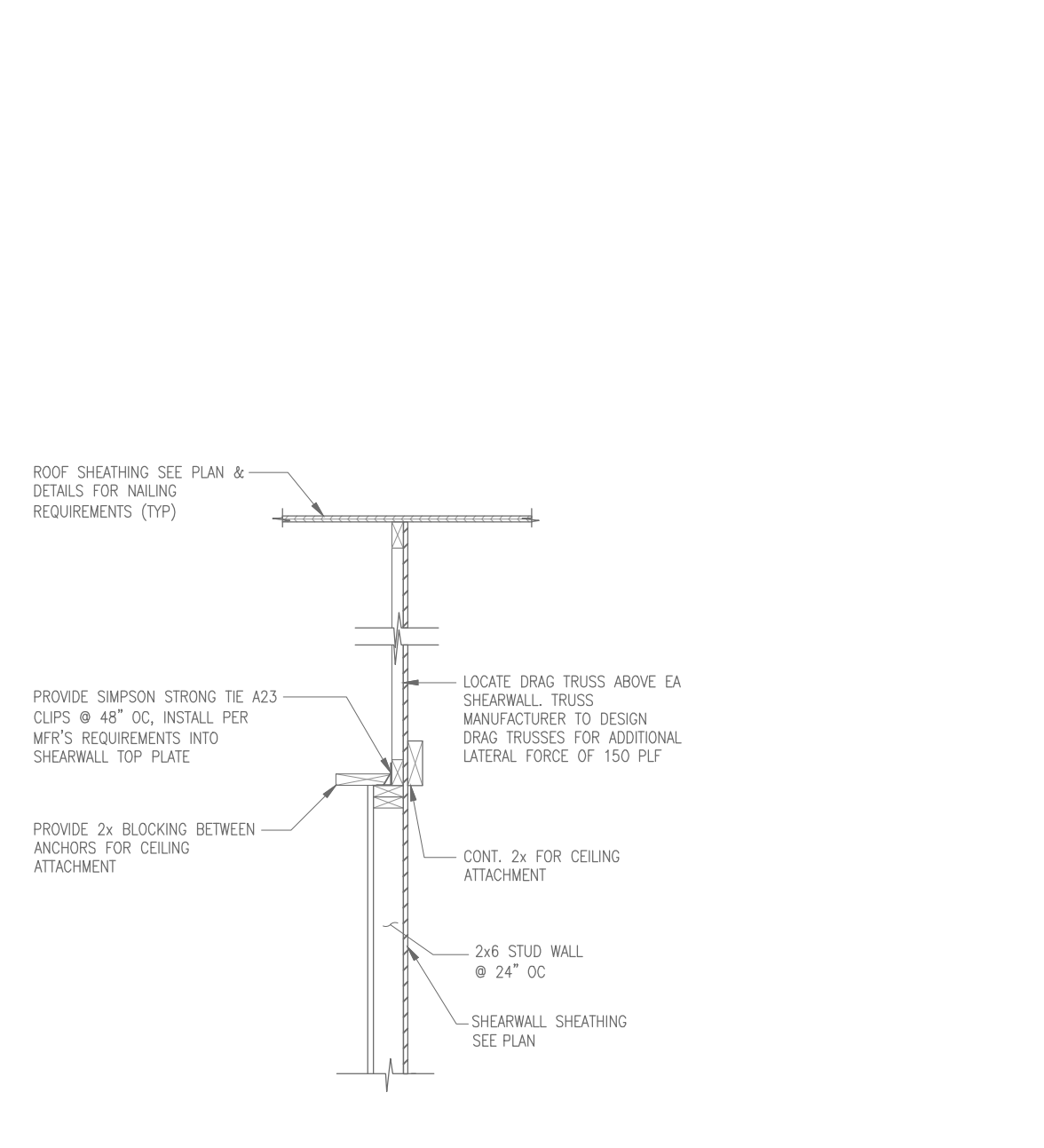
1 ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"



- PREFABRICATED TRUSS LOADINGS**
1. COORDINATE ROOF SLOPE AND ROOF OVERHANGS WITH ARCHITECTURAL DRAWINGS.
 2. COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
 3. DESIGN TRUSSES IN ACCORDANCE WITH LOADS INDICATED ABOVE UNLESS OTHERWISE NOTED.
 4. ROOF TRUSSES TO BE DESIGNED TO SUPPORT HVAC EQUIPMENT AS REQUIRED. COORDINATE LOCATIONS WITH MECHANICAL DRAWINGS.



3 DETAIL
N.T.S.



4 DETAIL
N.T.S.

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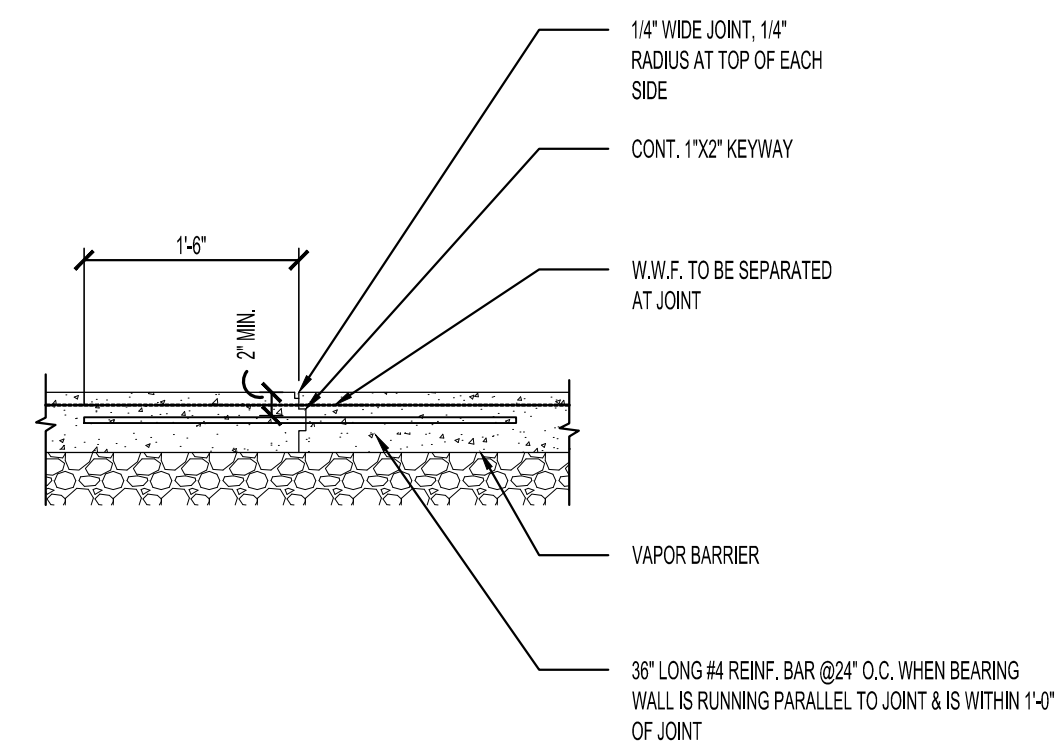
Lot: -
Zone: -

SHEET TITLE:
ATTIC & ROOF FRAMING PLAN, SCHEDULES & NOTES

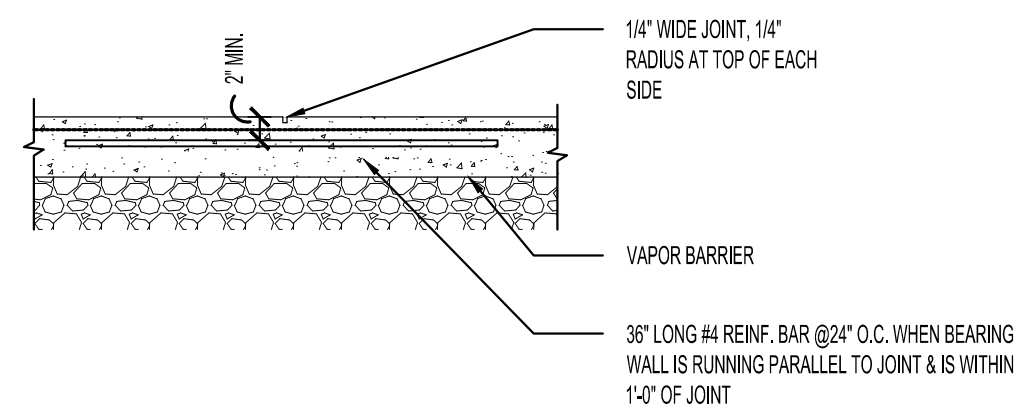
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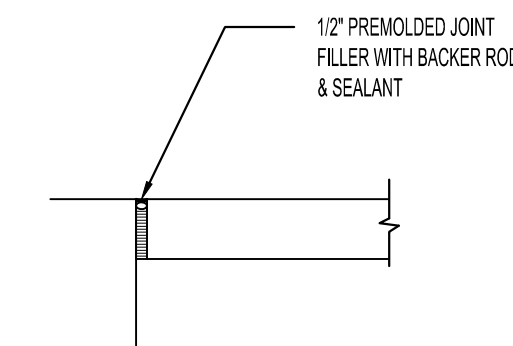
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S102



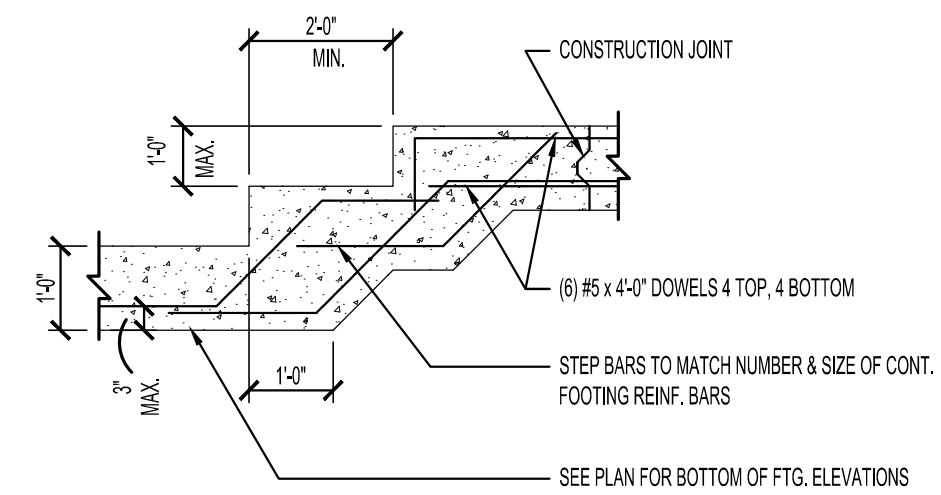
1 CONSTRUCTION JOINT DETAIL
SCALE: 3/4" = 1'-0"



2 CONTROL JOINT DETAIL
SCALE: 3/4" = 1'-0"



3 ISOLATION JOINT DETAIL
SCALE: 3/4" = 1'-0"



4 STEPPED FOOTING DETAIL
SCALE: 3/4" = 1'-0"

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FOUNDATION DETAILS

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SHEET NO.
S200

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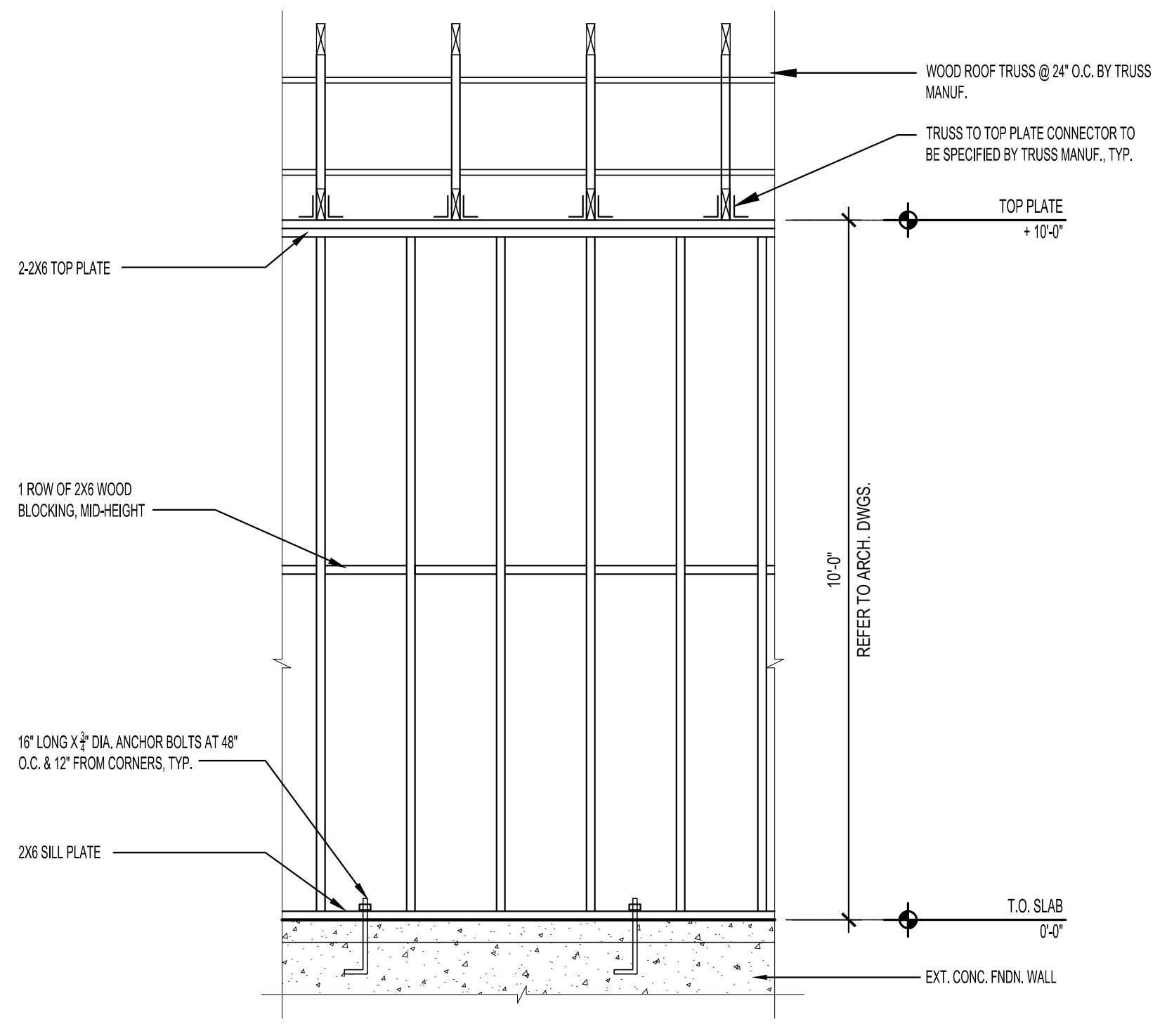
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Zone: -

SHEET TITLE:
**STRUCTURAL FRAMING
 DETAILS**

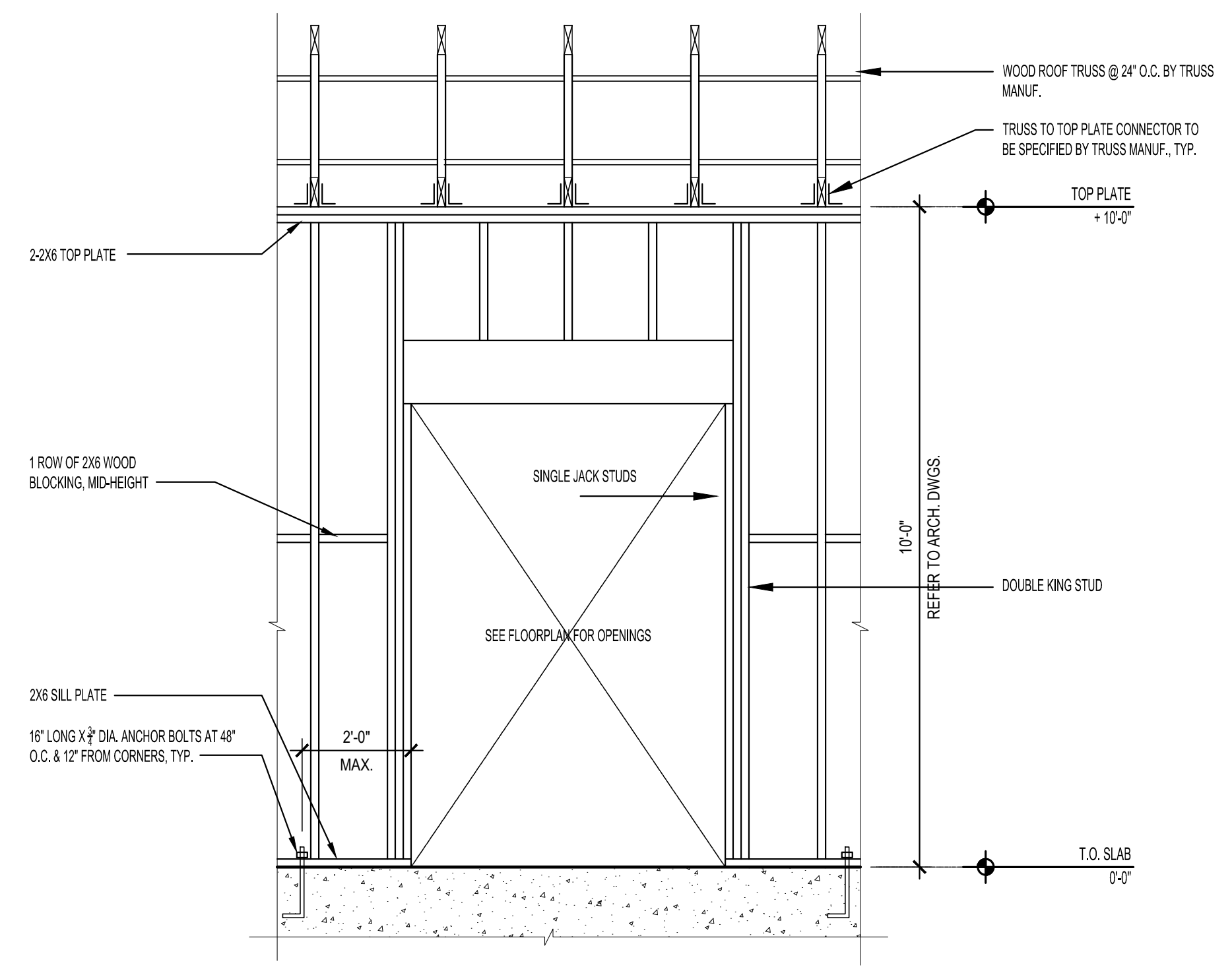
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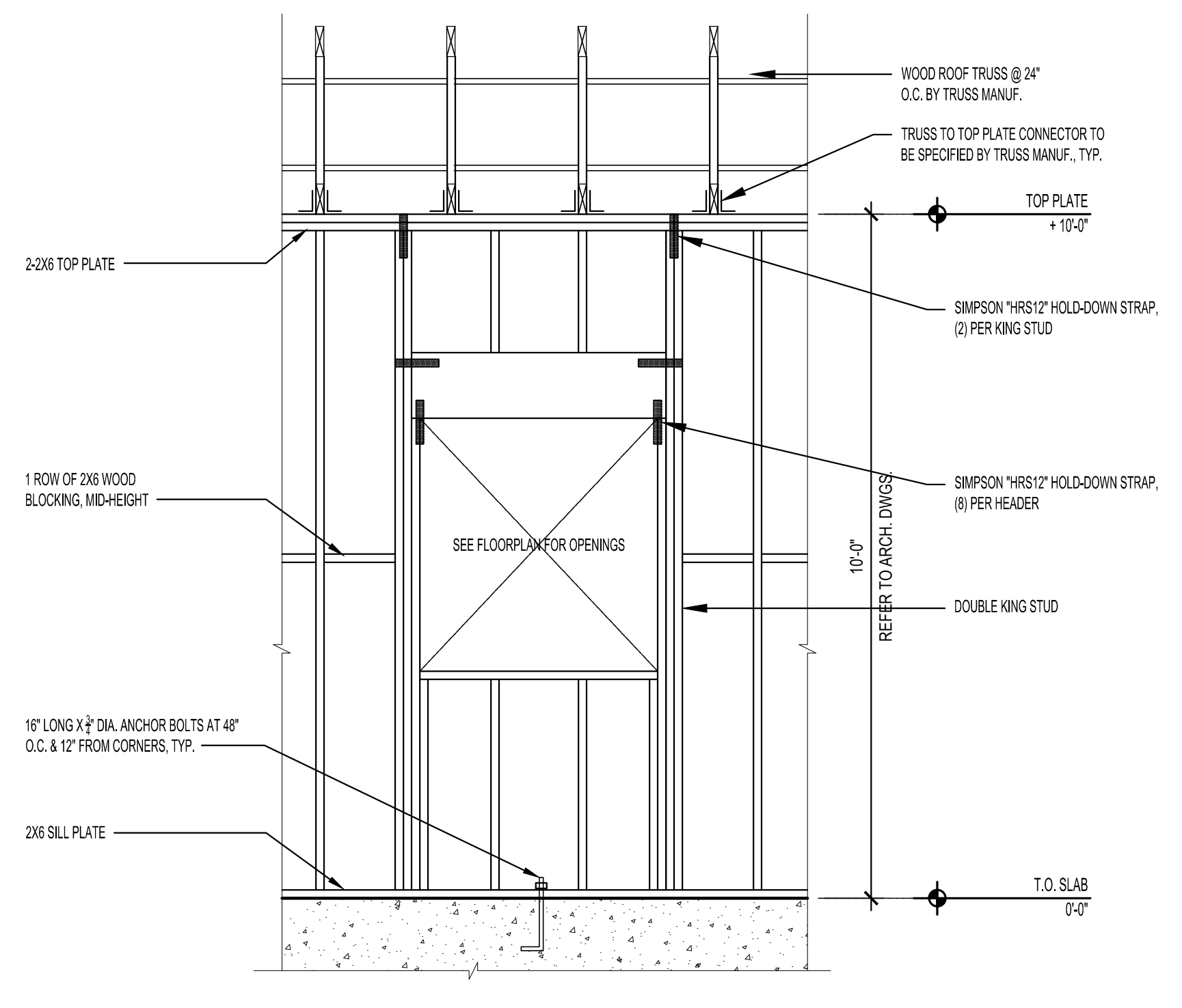
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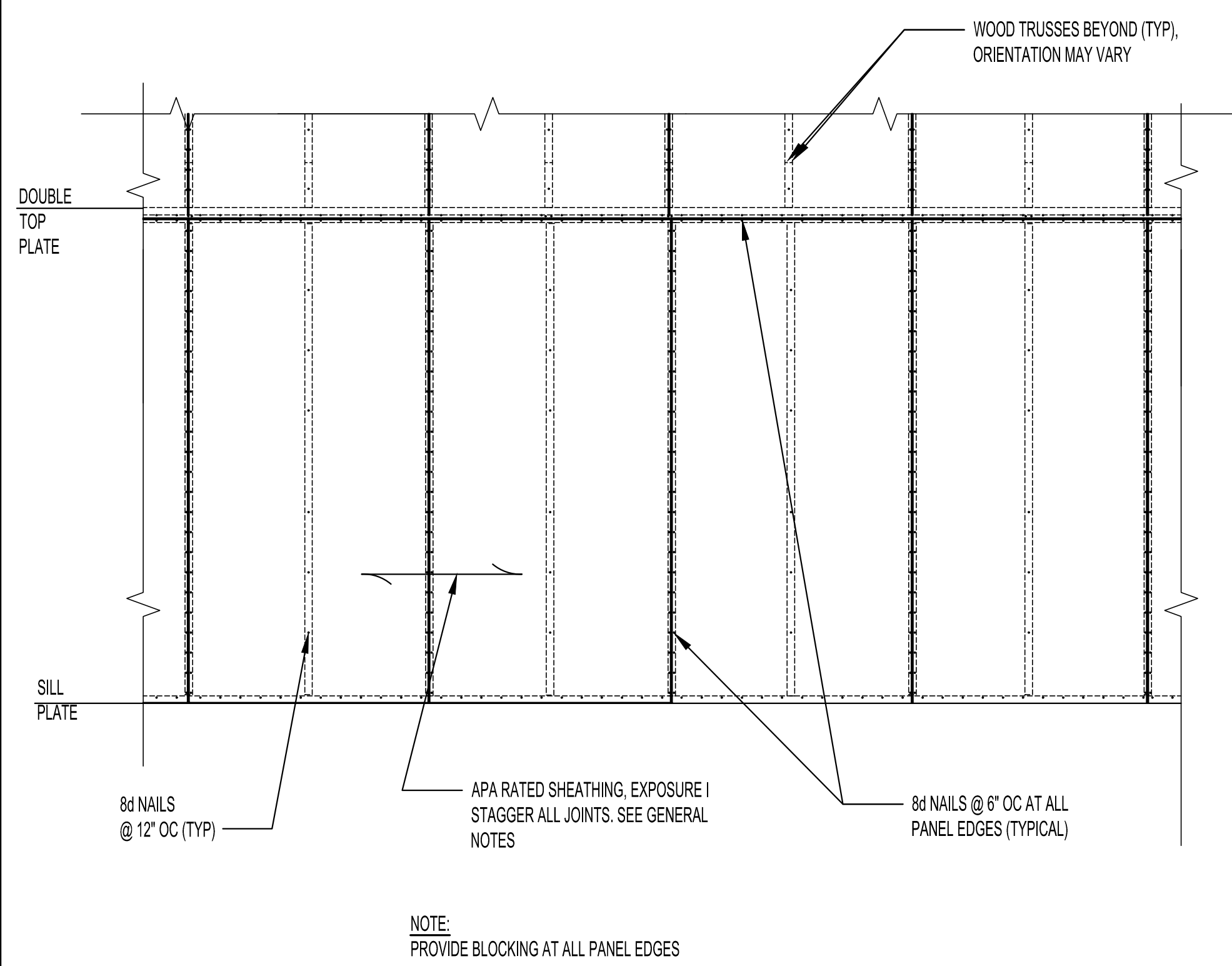
1 BEARING WALL DETAIL
 SCALE: 1/2" = 1'-0"



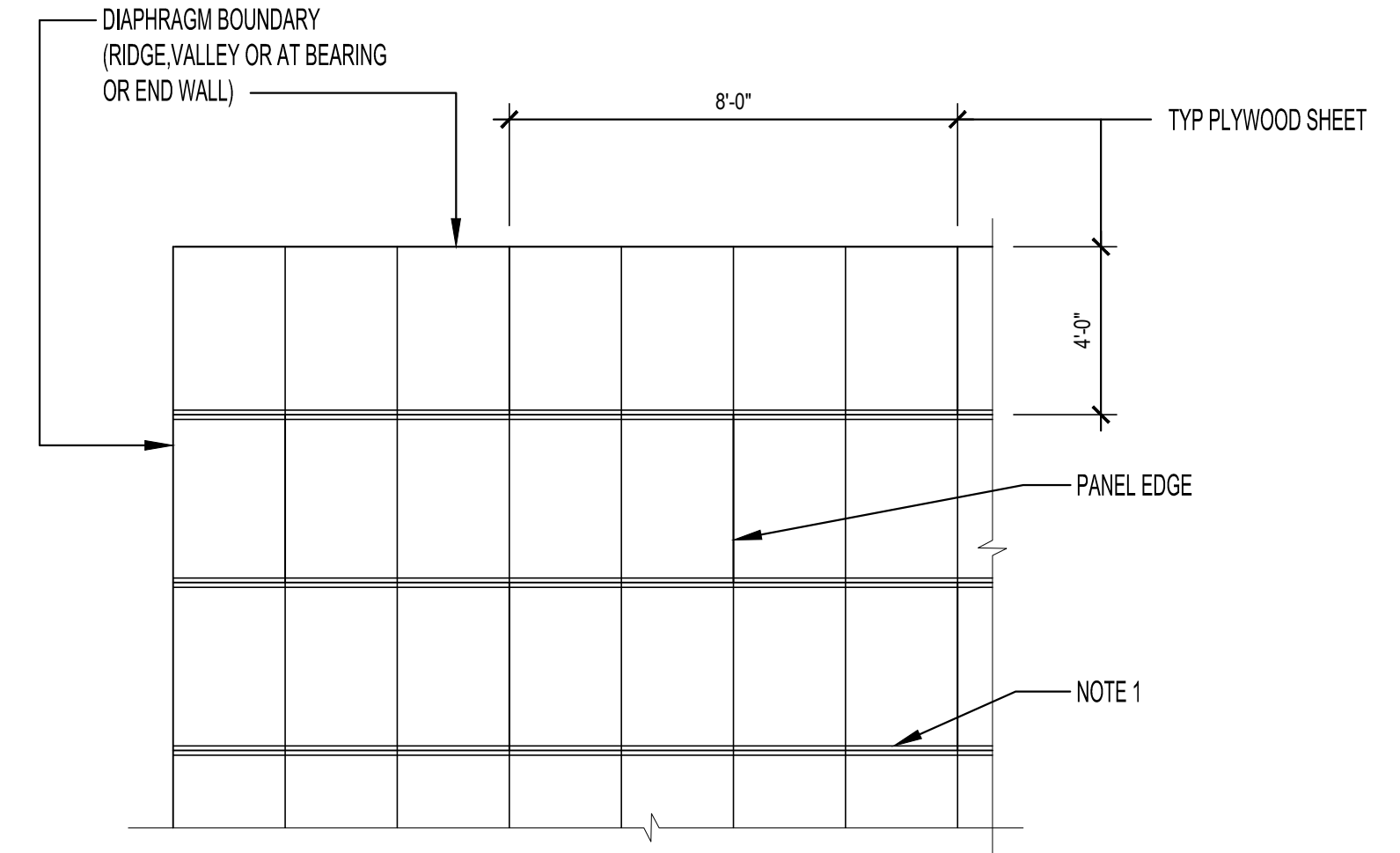
2 DOOR FRAMING DETAIL
 SCALE: 1/2" = 1'-0"



3 WINDOW FRAMING DETAIL
 SCALE: 1/2" = 1'-0"



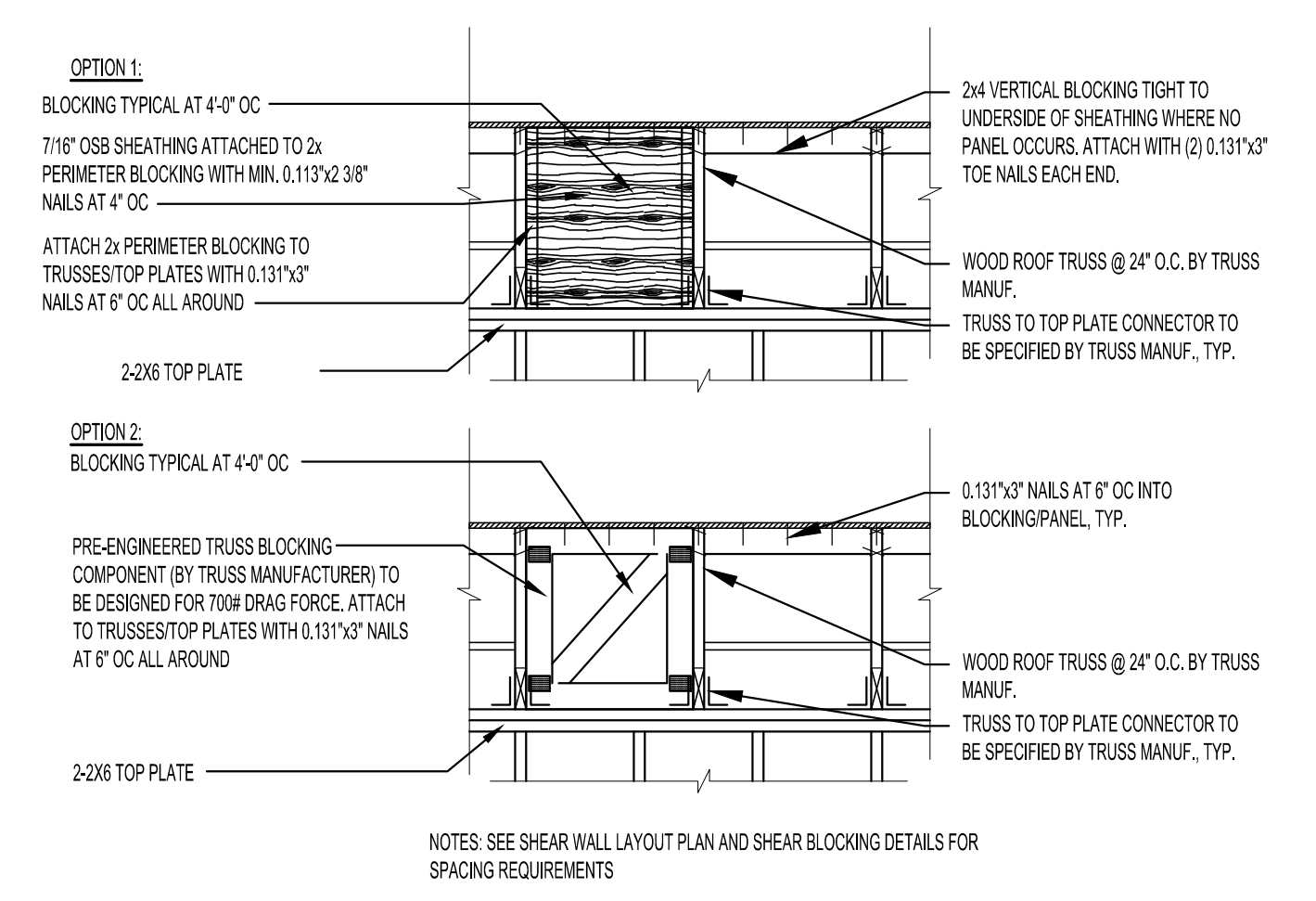
4 PLYWOOD WALL NAIL SHEATHING DIAGRAM
 SCALE: 1/2" = 1'-0"



ZONE	PANEL GRADE	COMMON NAIL SIZE	MIN NAIL PENETRATION IN FRAMING	MIN NOMINAL PANEL THICKNESS	MIN NOMINAL WIDTH OF MEMBER	BLOCKED (NOTE 1)	NAIL SPACING @ DIAPHRAGM BOUNDARY AND PANEL EDGES	MAX NAIL SPACING @ INTERMEDIATE FRAMING MEMBERS
ROOF	APA RATED SHEATHING EXP. 1, EXP. 2 OR EXT. AND OTHER APA GRADES EXCEPT SPEEDS GROUP 5	10d	1 1/2"	5/8"	2"	NO	6" OC	12" OC

NOTE:
 1. WHERE BLOCKING IS REQUIRED PROVIDE 2x4 BETWEEN FRAMING/TRUSSES AT EACH PLYWOOD JOINT NAILED TO FRAMING EACH END.

5 ROOF PANEL SPACING & SCHEDULE
 N.T.S.



6 TYPICAL SHEAR BLOCKING AT ROOF
 N.T.S.