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CIVIL ENGINEER:
UNDER SEPARATE COVER



12082 NC HIGHWAY 42
FUQUAY VARINA, NC 27526

RENOVATIONS PLANS FOR:

AFREYA’S
PLAYGROUND

12082 NC HIGHWAY 42
FUQUAY VARINA, NC 27526

R2 REVISED
PERMIT SET

10 JULY 2026
JOB #2026010-LTDC

DESIGN TEAM

LOCATION MAP

PROJECT TITLE

PROJECT INFORMATION

- ALL WORK SHALL BE CARRIED OUT ACCORDING TO GOOD CONSTRUCTION PRACTICES.
- ALL WORK SHALL BE UNDERTAKEN AND MANAGED IN ACCORDANCE WITH OSHA STANDARDS FOR THE CONSTRUCTION INDUSTRY.
- CONSTRUCTION DRAWINGS TAKE PRECEDENCE OVER SPECIFICATIONS, LARGE SCALE DETAILS TAKE PRECEDENCE OVER PLANS AND ELEVATIONS AND ENGINEERING DRAWINGS TAKE PRECEDENCE OVER ARCHITECTURAL GRAPHIC REPRESENTATIONS.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL LIFE SAFETY ELEMENTS INCLUDING BUT NOT LIMITED TO EXIT SIGNAGE, FIRE EXTINGUISHERS AND FIRE SPRINKLER SYSTEMS NECESSARY TO SATISFY LOCAL, STATE AND FEDERAL STANDARDS, CODES AND GUIDELINES.
- OWNER/ CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL PERMITS AND/OR INSPECTIONS REQUIRED BY ANY AUTHORITY HAVING JURISDICTION OVER CONSTRUCTION OF WORK DESCRIBED IN THESE PLANS.
- OWNER/ CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS SHOWN ON THESE PLANS, AND NOTIFY ARCHITECT OF ANY CONFLICT PRIOR TO CONSTRUCTION FOR RESOLUTION.
- GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR COORDINATION OF ALL DISCIPLINES AND TRADES AND THEIR POTENTIAL IMPACT ON THE PROJECT.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING LOCATION OF TEMPORARY RESTROOM, DUMPSTER OTHER TEMPORARY FACILITIES AND EQUIPMENT. IF CONTRACTOR'S EMPLOYEES OR SUB CONTRACTORS USE EXISTING RESTROOMS, THEN THE CONTRACTOR WILL BE RESPONSIBLE TO RESTORE THE EXISTING TOILETS TO "LIKE NEW" CONDITIONS AT THE END OF THE PROJECT.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR KNOWING AND COMPLYING WITH ALL LOCAL ORDINANCES REGARDING NOISE, WORK HOURS, ETC.
- OWNER/ CONTRACTOR SHALL CONFIRM CLEAR OPENING REQUIRED FOR ANY EQUIPMENT, FIXTURES, OR MILLWORK PRIOR TO FRAMING & INSTALLATION.
- ALL FURNITURE IS SHOWN FOR SCHEMATIC PURPOSES ONLY- SHALL BE PROVIDED BY OWNER.
- ALL BUILDING MATERIALS AND SYSTEMS SHALL BE INSTALLED IN COMPLETE ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND/OR RECOMMENDATIONS, AS REQUIRED FOR FULL WARRANTY PROTECTION FOR LABOR & MATERIALS.
- DUE TO MANUFACTURER VARIATIONS ON TYPE AND SIZES OF EQUIPMENT, CASEWORK, FIXTURES, ETC., ALL DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED BY THE GENERAL CONTRACTOR AND APPROPRIATE COORDINATE WITH THE SUBCONTRACTORS AND SUPPLIERS.
- ALL DIMENSIONS SHOWN ARE FROM FACE TO FACE OF MASONRY/STUDS. EXTERIOR DIMENSIONS ARE FROM OUTSIDE FACE OF STUDS. THE APPROPRIATE CONTRACTOR(S) SHALL CHECK AND FIELD VERIFY ALL DIMENSION AND ANDY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- DO NOT SCALE DRAWINGS!
- GENERAL CONTRACTOR SHALL REPORT TO THE ARCHITECT, ANY AND ALL DISCREPANCIES REGARDING EXISTING CONDITIONS OR WITHIN THE DRAWINGS AND THE SPECIFICATIONS. FAILURE TO DO SO WILL RELIEVE THE ARCHITECT OF ANY RESPONSIBILITY REGARDING ANY CONSEQUENCES THAT MIGHT RESULT FROM SUCH DISCREPANCIES.
- MECHANICAL DUCTS PASSING THROUGH WALLS CARRYING A FIRE RATING LABEL SHALL BE EQUIPPED WITH THE APPROPRIATE RATED FIRE DAMPER AT THE POINT OF INTERSECTION WITH THE WALL.
- SEE MECHANICAL DRAWINGS FOR ALL DOOR UNDERCUTS AND DOOR GRILLES.
- STRIKE SIDE OF ALL DOOR JAMBS SHALL BE INSTALLED A MINIMUM OF 2'-0" FROM FRAME TO ANY WALL PERPENDICULAR TO THE DOOR FRAME WHERE HANDICAPPED ACCESS IS REQUIRED.
- ALL SITE UTILITIES LOCATIONS, AND GRADING SHALL BE CHECKED OR FIELD VERIFIED BY THE APPROPRIATE CONTRACTOR.
- ALL FIRE RATED WALLS ARE TO BE MARKED (PAINTED RED WITH THE RATING OF THE WALL) ABOVE THE CEILING WITH 6" HIGH STENCILED LETTERS @ 20'-0" O.C. MAX. (EXAMPLE):
1 HOUR FIRE RATED WALL
PROTECT ALL OPENINGS
- UNLESS NOTED OTHERWISE, INSTALL CONTINUOUS TREATED, FIRE-RETARDANT TREATED 2X6 WOOD BLOCKING, SUPPLEMENTARY FRAMING, AND BRACING AT TERMINATIONS IN THE WORK AND FOR SUPPORT OF FIXTURES, EQUIPMENT SERVICES, HEAVY TRIM, EXTERIOR SIDING, GRAB BARS, TOILET ACCESSORIES, FURNISHINGS, TELEVISIONS, MONITORS, ETC. AS NECESSARY OR AS DETAILED OR INDICATED AND WITH RECOMMENDATIONS OF THE GYPSUM BOARD MANUFACTURER, OR IF NONE AVAILABLE, WITH "GYPSUM CONSTRUCTION HANDBOOK" PUBLISHED BY UNITED STATES GYPSUM CO.
- NO CHANGE ORDERS WILL BE ACCEPTED AFTER START OF WORK UNLESS DUE TO HIDDEN CONDITIONS OR CHANGES DIRECTED BY OWNER. ALL CHANGE ORDERS MUST BE APPROVED PRIOR TO START OF WORK.

- FIELD CONDITIONS:
CONTRACTOR SHALL VERIFY ALL CONDITIONS AS WELL AS ALL DIMENSIONS AND CONDITIONS INDICATED IN THE DRAWINGS, PRIOR TO ACTUAL CONSTRUCTION. ANY VARIATION FROM CONDITIONS INDICATED IN THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND OWNERS REPRESENTATIVE PRIOR TO BID SUBMITTAL.
- COORDINATION OF WORK:
THE CHARACTER AND SCOPE OF THE WORK ARE ILLUSTRATED BY THE WORKING DRAWINGS. CONTRACTOR SHALL CAREFULLY EXAMINE ALL THE DRAWINGS AND BE RESPONSIBLE FOR THE PROPER INSTALLATION OF HIS WORK AND PROPER CONSIDERATION FOR THE WORK OF OTHERS AND EXISTING BUILDING CONSTRUCTION. DO NOT PLACE DUCTS, PIPING, CONDUIT OR ANY OBSTRUCTION SO AS TO IMPAIR REQUIRED CEILING HEIGHTS AND CLEARANCE FOR LIGHT FIXTURES, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING ADJACENT TENANT(S) AND BUILDING FACILITIES.
- BUILDING CODES AND REGULATIONS:
ALL WORK SHALL CONFORM TO ALL CODES AND REGULATIONS. CONTRACTOR SHALL FILE, PAY FOR AND OBTAIN ALL REQUIRED PERMITS TO PERFORM THE WORK. CONTRACTOR SHALL OBTAIN ALL REQUIRED APPROVALS FROM GOVERNMENTAL AGENCIES INVOLVED PRIOR TO FINAL PAYMENT. APPROVALS TO OCCUPY THE SPACE BY LOCAL BUILDING OFFICIALS SHALL BE OBTAINED.
- INSURANCE:
 - CONTRACTOR SHALL SECURE, PAY FOR, AND MAINTAIN DURING CONSTRUCTION AND FIXTURING WORK WITHIN LEASED PREMISES, ALL OF THE INSURANCE POLICIES REQUIRED AND IN THE AMOUNTS AS SET FOR HEREIN. CONTRACTOR SHALL NOT COMMENCE ANY WORK UNTIL ALL REQUIRED INSURANCE HAS BEEN OBTAINED AND CERTIFICATES OF SUCH INSURANCE HAVE BEEN DELIVERED TO THE LANDLORD AND TENANT. LANDLORD MUST BE NAMED AS "ADDITIONAL INSURED". CERTIFICATES OF INSURANCE SHALL COVER ALL WORK PERFORMED BY HIM AND EACH OF HIS SUBCONTRACTORS AND ALL MAJOR SUPPLIERS.
 - GENERAL CONTRACTOR'S AND SUBCONTRACTORS' REQUIRED MINIMUM COVERAGE AND LIMITS OF LIABILITY:
 - WORKMEN'S COMPENSATION INSURANCE - IN ACCORDANCE WITH THE GOVERNING LAWS WITH A LIMIT OF NOT LESS THAN \$500,000. AND ANY INSURANCE REQUIRED BY ANY EMPLOYEE BENEFITS ACT, ETC. AS WILL PROTECT THE CONTRACTOR AND SUBCONTRACTORS FROM ANY AND ALL LIABILITY.
 - CONTRACTOR SHALL PAY FOR AND FURNISH TO TENANT AND LANDLORD, CERTIFICATES OF INSURANCE WHICH WILL PROTECT SAID CONTRACTOR FROM CLAIMS (i) UNDER WORKMAN'S COMPENSATION ACTS AND OTHER EMPLOYEE BENEFITS ACTS, WITH LIMITS OF NOT LESS THAN \$2,000,000; (ii) FOR DAMAGES TO BODILY INJURY, (INCLUDING DEATH) TO HIS EMPLOYEES AND ALL OTHERS, WITH THE LIMITS OF \$2,000,000 PER PERSON AND \$2,000,000 PER OCCURRENCE AND (iii) FOR PROPERTY WITH LIMITS OF \$1,000,000. WHICH ARISE OUT OF OR RESULT FROM THE CONTRACTOR'S WORK UNDER THIS CONTRACT WHETHER SUCH WORK (INCLUDING OPERATION OR MOTOR VEHICLES) BE BY HIMSELF OR OTHERS DIRECTLY OR INDIRECTLY EMPLOYED BY EITHER; AND BUILDERS RISK INSURANCE IN THE FULL AMOUNT OF THE CONTRACT SUM.
- INDEMNIFICATION - TO THE FULLEST EXTENT PERMITTED BY LAW, THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE LANDLORD, TENANT, AND THE ARCHITECT AND THEIR ASSENTS AND EMPLOYEES FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING BY NOT LIMITED TO THE ATTORNEY'S FEES ARISING OUT OF OR RESULTING FROM THE PERFORMANCE OF THE WORK, PROVIDED THAT ANY SUCH CLAIM, DAMAGE, LOSS OR EXPENSE (i) IS ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DISEASE, OR DEATH, OR TO INJURY OR TO DESTRUCTION OF TANGIBLE PROPERTY (OTHER THAN THE WORK ITSELF) INCLUDING THE LOSS OF USE RESULTING THEREFROM AND (ii) IS CAUSED IN WHOLE OR IN PART BY A NEGLIGENT ACT OR OMISSION OF THE CONTRACTOR, ANY SUBCONTRACTORS, ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM MY BE LIABLE, REGARDLESS OF WHETHER OR NOT IT IS CAUSED IN PART BY A PARTY INDEMNIFIED HEREUNDER.
- LIEN WAIVERS AND SWORN AFFIDAVITS- CONTRACTOR SHALL FURNISH WITHIN 30 DAYS AFTER COMPLETION, FINAL NOTARIZED WAIVERS OF LIEN FOR ALL WORK PERFORMED AS WELL AS ALL SUBCONTRACTORS AND MAJOR SUPPLIERS.
- CERTIFICATE OF OCCUPANCY- CONTRACTOR WILL PROVIDE TENANT AND LANDLORD WITH A COPY OF THE CERTIFICATE OF OCCUPANCY.
- QUALITY STANDARDS: ALL SUCH WORK SHALL BE PERFORMED IN A FIRST CLASS WORKMANLIKE MANNER AND SHALL BE IN GOOD AND USEABLE CONDITION AT THE DATE OF COMPLETION THEREOF. CONTRACTOR SHALL GUARANTEE ALL WORK PERFORMED TO BE FREE FROM ANY AND ALL DEFECTS IN WORKMANSHIP AND MATERIALS FOR ONE (1) YEAR FROM THE DATE ALL CONSTRUCTION PUNCH LIST ITEMS HAVE BEEN COMPLETED AND ACCEPTANCE HAS BEEN CONFIRMED IN WRITING BY THE TENANT REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OR REPAIR WITHOUT ANY ADDITIONAL CHARGE FOR ANY AND ALL WORK DONE OR FURNISHED WHICH SHALL BECOME DEFECTIVE WITHIN THE ONE (1) YEAR PERIOD. THE CORRECTION OF SUCH WORK SHALL INCLUDED, WITHOUT ADDITIONAL CHARGE, ALL EXPENSES AND DAMAGES IN CONNECTION WITH SUCH REMOVAL, REPLACEMENT, OR REPAIR OF ANY PART OF THE WORK WHICH MAY BE DAMAGED OR DISTURBED THEREBY. ALL WARRANTIES OR GUARANTEES AS TO MATERIALS OR WORKMANSHIP ON OR WITH RESPECT TO TENANTS WORK SHALL BE CONTAINED IN THE CONTRACT OR SUBCONTRACT WHICH SHALL BE SO WRITTEN THAT SUCH GUARANTEES OR WARRANTIES SHALL INSURE TO THE BENEFIT OF BOTH LANDLORD AND TENANT, AS THEIR RESPECTIVE INTEREST APPEAR AND CAN BE DIRECTLY ENFORCED BY EITHER.
- RUBBER WHEEL CARTS: CONTRACTOR'S CARTS, EQUIPMENT BOXES, ETC. MUST BE EQUIPPED WITH RUBBER WHEELS.
- FIRE EXTINGUISHERS: CONTRACTOR TO VERIFY REQUIRED NUMBER AND LOCATION OF ANY ADDITIONAL EXTINGUISHERS REQUIRED BY FIRE DEPARTMENT AND FURNISH AND INSTALL SAME. INSTALL AFTER FIXTURING.

- RESPONSIBILITY FOR MATERIALS ON SITE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS SHIPPED TO THE JOB SITE INCLUDING MATERIALS FURNISHED BY OTHERS. COST OF ALL MISSING MATERIALS WILL BE DEDUCTED FROM THE CONTRACT PRICE AND FINAL PAYMENT. CONTRACTOR TO CHECK ALL INVOICES AT TIME SHIPMENT IS RECEIVED AND NOTIFY TENANT REPRESENTATIVE OF ANY DISCREPANCIES.
- RUBBISH REMOVAL: CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY REMOVAL FROM THE PROJECT. ALL TRASH, RUBBISH AND SURPLUS MATERIALS RESULTING FROM CONSTRUCTION, FIXTURING AND EQUIPMENT OF THE UPFIT PREMISES. COORDINATE REMOVAL OF DEBRIS WITH BUILDING MANAGEMENT/LANDLORD.
- TEMPORARY UTILITIES: CONTRACTOR SHALL ARRANGE FOR TEMPORARY UTILITIES AS REQUIRED AND SHALL PAY FOR THE UTILITY CHARGE.

GENERAL NOTE:

- CONTRACTOR TO COMPLY WITH ALL REQUIREMENTS OF 2018 NC BUILDING CODE, APPENDIX D WHERE APPLICABLE.
- AUTOMATIC SPRINKLER SYSTEM NOT REQUIRED PER NCBC 903.2.3.2 (GROUP E). EXCEPTION: AN AUTOMATIC SPRINKLER SYSTEM IS NOT REQUIRED IN ANY AREA BELOW THE LOWEST LEVEL OF EXIT DISCHARGE SERVING THAT AREA WHERE EVERY CLASSROOM THROUGHOUT THE BUILDING HAS NOT FEWER THAN ONE EXTERIOR EXIT DOOR AT GROUND LEVEL.

2018 NC BUILDING CODE
2018 NC EXISTING BUILDING CODE

BUILDING CODE

ISSUED UNDER SEPARATE COVER

CIVIL

GENERAL SHEETS

G000 COVER SHEET
G001 LIFE SAFETY SHEET & GENERAL NOTES
G002 BUILDING CODE-APPENDIX B

ARCHITECTURAL SHEETS

A100 EXISTING/DEMOLITION PLAN
A101 CONSTRUCTION PLAN, REFLECTED CEILING PLAN, NOTES, SCHEDULES & DETAILS
A200 EXTERIOR ELEVATIONS

ISSUED UNDER SEPARATE COVER

PLUMBING SHEETS

P1 PLUMBING COVER SHEET
P2 PLUMBING DETAILS
P3 PLUMBING DEMOLITION PLAN
P4 PLUMBING WATER PLAN
P5 PLUMBING WASTE PLAN
P6 PLUMBING WATER RISER
P7 PLUMBING WASTE RISER

MECHANICAL SHEETS

M1 HVAC COVERSHEET
M2 HVAC PLAN - DEMOLITION
M3 HVAC PLAN - NEW WORK

ELECTRICAL SHEETS

E1 ELECTRICAL COVERSHEET
E2 ELECTRICAL SCHEDULES & DETAILS
E3 ELECTRICAL DEMOLITION PLAN
E4 ELECTRICAL POWER PLAN
E5 LIGHTING PLAN

FIRE ALARM SHEETS

FA1 FIRE ALARM RISER & DETAILS
FA2 FIRE ALARM PLAN

GENERAL NOTES

GENERAL CONDITIONS

INDEX OF SHEETS



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07.10.2026

prepared for

PERMIT SET

project name

AFREYA'S
PLAYGROUND

12082 NC HIGHWAY 42
FUQUAY VARINA, NC 27526

project number

2026010-TLDC

drawing title

COVER SHEET

drawing scale

AS NOTED

orientation

revision history

3/19/26	ENGINEER SET
4/7/26	PERMIT SET
4/10/26	PERMIT SET REISSUED
5/8/26	REVISED PERMIT SET
7/10/26	COUNTY REVIEW COMMENTS

issue date

07/10/26

sheet index

G000

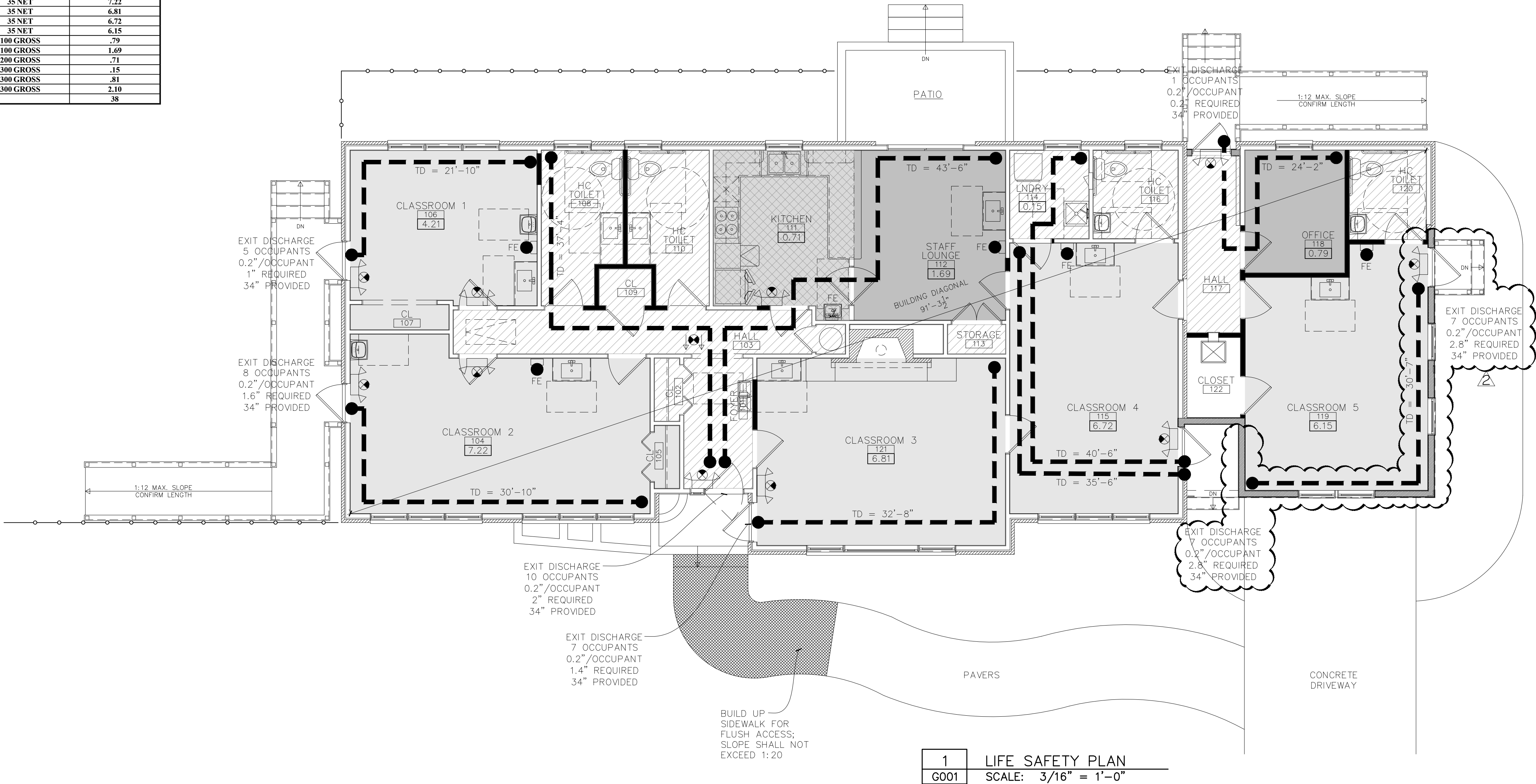
OCCUPANT LOAD CALCULATION			
USE	AREA (SF)	AREA/OCCUPANT (TABLE 1004.1.2)	# OCCUPANTS
CLASSROOM 1	184	35 NET	4.21
CLASSROOM 2	316	35 NET	7.22
CLASSROOM 3	298	35 NET	6.81
CLASSROOM 4	294	35 NET	6.72
CLASSROOM 5	269	35 NET	6.15
OFFICE	79	100 GROSS	.79
LOUNGE	169	100 GROSS	1.69
KITCHEN	142	200 GROSS	.71
LAUNDRY	45	300 GROSS	.15
BATHROOMS	244	300 GROSS	.81
CLOSETS, HALLS, ETC.	629	300 GROSS	2.10
TOTAL	2,669		38

LIFE SAFETY PLAN LEGEND

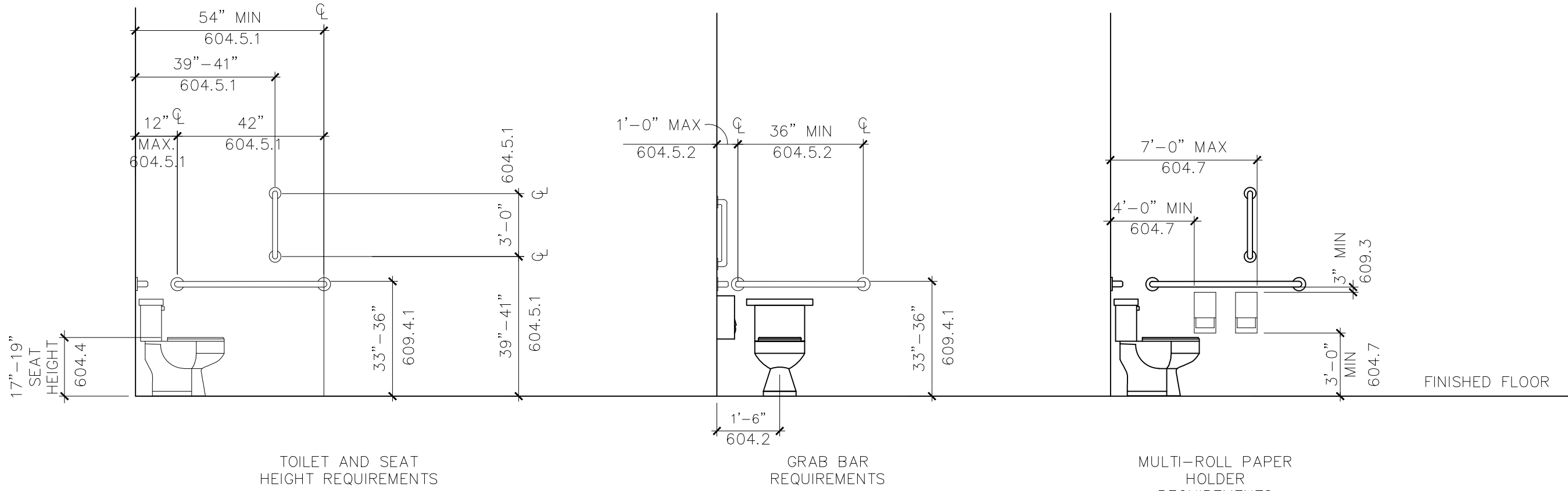
- XXX
X ROOM NUMBER
OCCUPANT LOAD
- FE FIRE EXTINGUISHER—COORDINATE LOCATION
WITH SANFORD FIRE MARSHALL
- EXISTING WALL TO REMAIN
- NEW 4" 2X4 WOOD STUD WALL 5/8" GYPSUM BOARD BOTH SIDES
- EXIT SIGNS WITH EMERGENCY LIGHT WITH 90 MINUTE BATTERY BACKUP — REFER TO ELECTRICAL

LIFE SAFETY NOTES

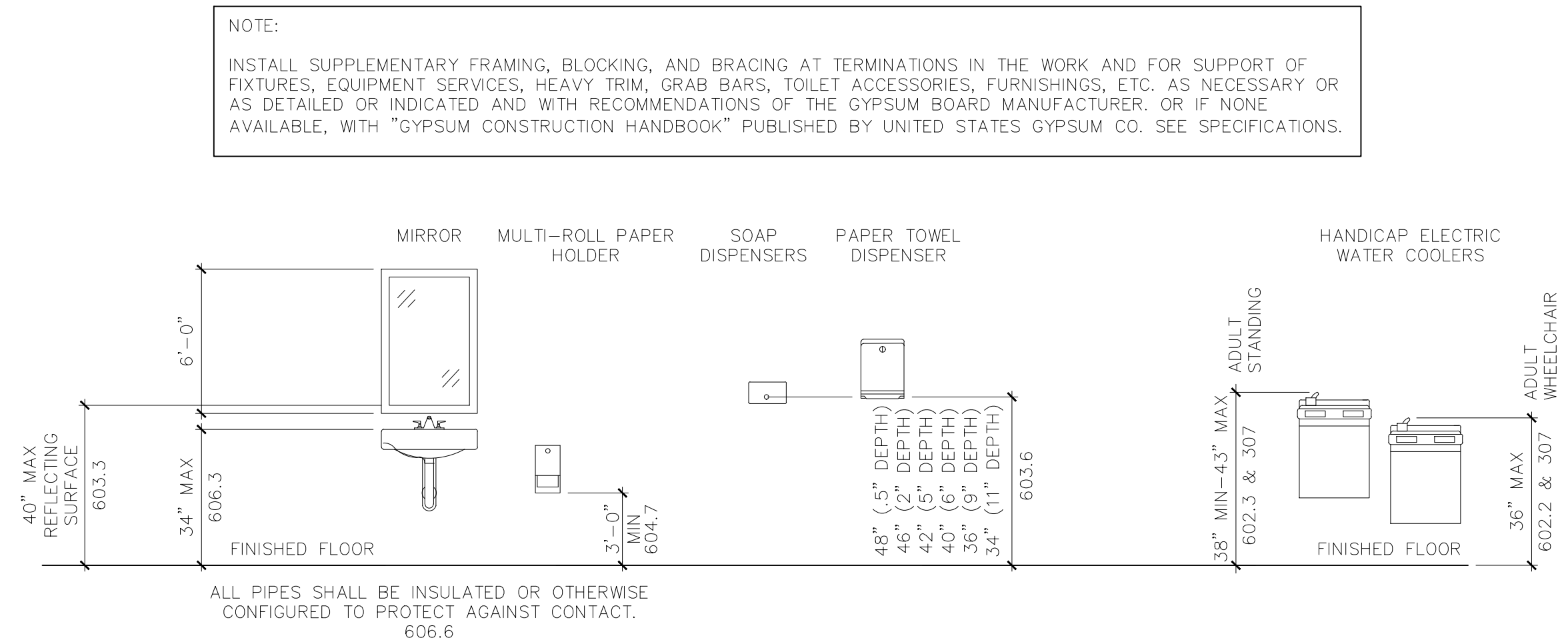
- CONTRACTOR TO COORDINATE LOCATION AND NUMBER OF FIRE EXTINGUISHERS REQUIRED WITH FIRE MARSHAL PRIOR TO INSTALLATION.
- CONTRACTOR TO INSTALL EXIT AND EMERGENCY LIGHTING AS REQUIRED BY CODE.



1 LIFE SAFETY PLAN
G001 SCALE: 3/16" = 1'-0"



A3 ADA TOILET REQUIREMENTS
G001 SCALE: 3/8" = 1'-0"



B3 TYPICAL MOUNTING HEIGHTS TOILET ROOM ACCESSORIES
G001 SCALE: 3/8" = 1'-0"



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07.10.2026

prepared for
PERMIT SET
project name

AFREYA'S PLAYGROUND

12082 NC HIGHWAY 42
FUQUAY VARINA, NC 27526

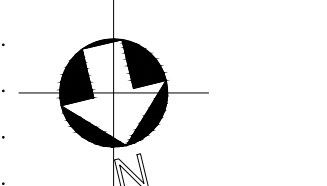
project number
2026010-TLDC
drawing title

LIFE SAFETY PLAN & ADA REQUIREMENTS

drawing scale

AS NOTED

orientation



revision history

3/19/26 ENGINEER SET
4/7/26 PERMIT SET
4/10/26 PERMIT SET REISSUED
5/8/26 Δ REVISED PERMIT SET
7/10/26 Δ COUNTY REVIEW COMMENTS

issue date

sheet index

07/10/26
G001

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: **AFREYA'S PLAYGROUND**
Address: **12082 NC HWY 42; FUQUAY-VARINA, NC** Zip Code **27526**
Owner/Authorized Agent: **PARM SANDHAR** Ph# (919)924-2154 E- parmsandhar@gmail.com
Owned By: ☐ City/County ☒ Private ☐ State
Code Enforcement: ☐ City ☒ County **HARNETT** ☐ State

CONTACT:
DESIGNER FIRM NAME LIC# PH# E-MAIL
Architectural **HARRISON ARCH** **W. HARRISON** **9543** (919)949-4030 harrisonarchpa@gmail.com
Civil (SEPARATE COVER)
Electrical **GREENTECH, INC** **JAYKUMAR PATEL** 049994 (216)681-9136 jpatel@GreenTC.com
Fire Alarm **N/A**
Plumbing **GREENTECH, INC** **JAYKUMAR PATEL** 049994 (216)681-9136 jpatel@GreenTC.com
Mechanical **GREENTECH, INC** **JAYKUMAR PATEL** 049994 (216)681-9136 jpatel@GreenTC.com
Sprinkler-Standpipe **N/A**
Structural **N/A**
Retaining Walls >5' High **N/A**
Other

2018 NC BUILDING CODE: ☐ New Construction ☐ Addition ☐ Renovation
☐ 1st Time Interior Completion
☐ Shell/ Core- Contact the local inspection jurisdiction for possible add'l procedures and requirements.
☐ Phased Construction- Contact the local inspection jurisdiction for possible add'l procedures and requirements.

2018 NC EXISTING BUILDING CODE: ☐ Prescriptive ☐ Repair ☐ Chapter 14
ALTERATION: ☐ Level I ☒ Level II ☐ Level III
☐ Historic Property ☒ Change of Use

CONSTRUCTED: 1960 **CURRENT OCCUPANCY(S)** (Ch. 3): **RESIDENTIAL**
RENOVATED: N/A **PROPOSED OCCUPANCY(S)** (Ch. 3): **EDUCATIONAL- DAY CARE**
RISK CATEGORY (Table 1604.5): **Current:** ☐ I ☒ II ☐ III ☐ IV
Proposed: ☐ I ☒ II ☐ III ☐ IV

BASIC BUILDING DATA

Construction Type: ☐ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A
(check all that apply) ☐ I-B ☐ II-B ☐ III-B ☒ V-B
Sprinklers: ☒ No ☐ Partial ☐ Yes ☐ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☒ No ☐ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry
Fire District: ☒ No ☐ Yes (Primary) **Flood Hazard Area:** ☒ No ☐ Yes
Special Inspections Req'd: ☒ No ☐ Yes (Contact the local inspection jurisdiction for possible add'l procedures and requirements)

GROSS BUILDING AREA TABLE			
FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	TOTAL
1st FLOOR (ONLY)	2,124 HSF	545 HSF	
TOTAL			2,669 HSF

ALLOWABLE AREA

Primary Occupancy Classification: Select One

Assembly ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business
Educational ☒ F-1 Moderate ☐ F-2 Low
Factory ☐ H-1 Detonate ☐ H-2 Defflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 Condition ☐ I-2 Condition ☐ I-3 Condition ☐ I-4
Mercantile
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☐ S-2 Low ☐ High-piled
Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous

Accessory Occupancy Classification(s):

Incidental Uses (Table 509):

Special Uses (Chapter 4- List Code Sections):

Special Provisions: (Chapter 5- List Code Sections):

Mixed Occupancy: ☒ No ☐ Yes Separation: N/A Exception: _____
☐ Non-Separated Use (508.3)
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.
☐ Separated Use (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.
$$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

STORY NO.	DESCRIPTION & USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 ⁴ AREA	(C) AREA FOR FRONTAGE INCREASE ^{1,5}	(D) ALLOWABLE AREA PER STORY OR UNLIMITED ^{3,5}
I	E	2,669	9,500	N/A	9,500
TOTAL		2,669			

¹ Frontage area increases from Section 506.2 are computed thus:

- a. Perimeter which fronts a public way or open space having 20 feet minimum width = ____ (ft)
b. Total Building Perimeter ____ (ft)
c. Ratio (F/P) = (F/P)
d. W = Minimum width of public way = 30 (W)
e. Percent of frontage increase $1+ = 100 [(F/P) - 0.25] \times W/30 = \text{____} (\%)$

² Unlimited area applicable under conditions of Section 507.

³ Maximum Building Area = total number of stories in the building x E (506.2).

⁴ The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.

⁵ Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE
Building Height in Feet (Table 504.3)	40 FEET	15 FEET	504.3
Building Height in Stories (Table 504.4)	I	I	504.4

¹ Provide Code reference if "Shown on Plans" value is not based on Table 504.3 or Table 504.4

PERCENTAGE OF WALL OPENINGS CALCULATIONS

FIRE SEPARATION DISTANCE- (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS
>30 FT	UP, NS	NL	-

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING		DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
		REQ'D	PROVIDED (W/ REDUCTION) *				
Structural Frame, including columns, girders, trusses		0	0	(EXISTING- NO CHANGE)			
Bearing Walls							
Exterior	0	0		(EXISTING- NO CHANGE)			
North	0	0		(EXISTING- NO CHANGE)			
East	0	0		(EXISTING- NO CHANGE)			
West	0	0	0	(EXISTING- NO CHANGE)			
South	0	0	0	(EXISTING- NO CHANGE)			
Interior	0	0	0	(EXISTING- NO CHANGE)			
Nonbearing Walls and Partitions		0	0	(EXISTING- NO CHANGE)			
Exterior walls							
North	0	0		(EXISTING- NO CHANGE)			
East	0	0		(EXISTING- NO CHANGE)			
West	0	0		(EXISTING- NO CHANGE)			
South	0	0	0	(EXISTING- NO CHANGE)			
Interior walls and partitions		0	0	(EXISTING- NO CHANGE)			
Floor Construction							
Including supporting beams and joists	0	0	0	(EXISTING- NO CHANGE)			
Roof Construction							
Including supporting beams and joists	0	0	0	(EXISTING- NO CHANGE)			
Shaft Enclosures - Exit	N/A	N/A		(EXISTING- NO CHANGE)			
Shaft Enclosures - Other	N/A	N/A		(EXISTING- NO CHANGE)			
Corridor Separation	N/A	N/A					
Occupancy Separation	0	0					
Party/Fire Wall Separation	N/A	N/A					
Smoke Barrier Separation	N/A	N/A					
Tenant Separation	N/A	N/A					
Incidental Use Separation	N/A	N/A					

* Indicate section number permitting reduction

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☐ No ☒ Yes
Exit Signs: ☒ No ☐ Yes
Fire Alarm: ☐ No ☒ Yes
Smoke Detection Systems: ☐ No ☒ Yes ☐ Partial _____
Panic Hardware: ☒ No ☐ Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: **SHEET G001**

☐ Fire and/or smoke rated wall locations (Chapter 7) N/A
☐ Assumed and real property line locations (if not on the Site Plan) N/A- INTERIOR RENOVATION ONLY
☐ Exterior wall opening area with respect to distance to assumed property lines (705.8) N/A
☒ Occupancy use for each area as it relates to occupant load calculation (Table 1004.1.2)
☒ Occupant loads for each area
☒ Exit access travel distances (1017)
☒ Common path of travel distances (1006.2.1 & 1006.3.2(1))
☐ Dead end lengths (1020.4) N/A
☐ Clear exit widths for each exit door
☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
☒ Actual occupant load for each exit door
☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation N/A
☐ Location of doors with panic hardware (1010.1.10) N/A
☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7) N/A
☐ Location of doors with electromagnetic egress locks (1010.1.9.9) N/A
☐ Location of doors equipped with hold-open devices N/A
☐ Location of emergency escape windows (1030) N/A
☒ The square footage of each fire area (202)
☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5) N/A
☐ Note any code exceptions or table notes that may have been utilized regarding the items above N/A

ACCESSIBLE DWELLING UNITS

(SECTION 1107)

NOT APPLICABLE

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

ACCESSIBLE PARKING

(SECTION 1106)

SEE CIVIL ENGINEERING- SEPARATE COVER

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	8' ACCESS AISLE	
TOTAL						

OCCUPANT LOAD CALCULATION

USE	AREA (SF)	AREA/ OCCUPANT (TABLE 1004.1.2)	# OCCUPANTS
CLASSROOM 1	184	35 NET	4.21
CLASSROOM 2	316	35 NET	7.22
CLASSROOM 3	298	35 NET	6.81
CLASSROOM 4	294	35 NET	6.72
CLASSROOM 5	229	35 NET	6.15
OFFICE	79	100 GROSS	.79
LOUNGE	169	100 GROSS	1.69
KITCHEN	142	200 GROSS	.71
LAUNDRY	45	300 GROSS	.15
BATHROOMS	244	300 GROSS	.81
CLOSETS, HALLS, ETC.	629	300 GROSS	2.10
TOTAL	2,669		38

PLUMBING FIXTURE REQUIREMENTS

REQ'D	WATER CLOSETS/ URINALS		LAVATORIES		SERVICE SINK	DRINKING FOUNTAINS	
	MALE	FEMALE	UNISEX	MALE		REGULAR	ACCESSIBLE
PROV	-	-	4	-	-	4	1

STRUCTURAL DESIGN

NOT APPLICABLE

DESIGN LOADS:

Importance Factors: Wind (I_w) _____
Snow (I_s) _____
Seismic (I_e) _____
Live Loads: Roof _____ psf
Mezzanine _____ psf
Floor _____ psf
Ground Snow Load: _____ psf
Wind Load: Basic Wind Speed _____ mph (ASCE-7)
Exposure Category _____
Wind Bae Shears (for MWFRS) V_x = _____ V_y = _____

SEISMIC DESIGN CATEGORY: ☐ A ☐ B ☐ C ☐ D

Provide the following Seismic Design Parameters:

Occupancy Category (Table 1604.5) ☐ I ☐ II ☐ III ☐ IV
Spectral Response Acceleration S_s _____ %g S₁ _____ %g
Site Classification (Table 1613.5.2) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
Data Source: ☐ Field Test ☐ Presumptive ☐ Historical Data
Basic structural system (check one)
☐ Bearing Wall ☐ Dual w/ Special Moment Frame
☐ Building Frame ☐ Dual w/ Intermediate R/C or Special Steel
☐ Moment Frame ☐ Inverted Pendulum
Seismic base shear: V_x = _____ V_y = _____
Analysis Procedure: ☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic
Architectural, Mechanical, Components anchored? ☐ Yes ☐ No

LATERAL DESIGN CONTROL: Earthquake ☐ Wind ☐

SOIL BEARING CAPACITIES:

Field Test (provide copy of test report) _____ psf
Presumptive Bearing capacity _____ psf
Pile size, type, and capacity _____

SPECIAL INSPECTIONS REQUIRED: ☐ Yes ☐ No

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)

ENERGY SUMMARY

ENERGY REQUIREMENTS:

The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Climate Zone: ☐ 3 ☒ 4 ☐ 5

Method of Compliance:

☐ Prescriptive (Energy Code)
☐ Performance (Energy Code)
☐ Prescriptive (ASHRAE 90.1)
☐ Performance (ASHRAE 90.1)

THERMAL ENVELOPE

Roof/Ceiling Assembly (each assembly)

Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Skylights in each assembly: _____
U-Value of skylight: _____
total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)

Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Openings (windows or doors with glazing)
U-Value of assembly: _____
Solar heat gain coefficient: _____
projection factor: _____
Door R-Values: _____

Walls below grade (each assembly) N/A

Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____

Floors over unconditioned space (each assembly) N/A

Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____

Floors slab on grade

Description of assembly: _____
U-Value of total assembly: _____
R-Value of insulation: _____
Horizontal/vertical requirement: _____
slab heated: _____

MECHANICAL SUMMARY

SEE PME ENGINEERING

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone

winter dry bulb: _____
summer dry bulb: _____

Interior design conditions

winter dry bulb: _____
summer dry bulb: _____
relative humidity: _____

Building heating load: _____

Building cooling load: _____

Mechanical Spacing Conditioning System

Unitary description of unit: _____
heating efficiency: _____
cooling efficiency: _____
size category of unit: _____
Boiler Size category. If oversized, state reason: _____
Chiller Size category. If oversized, state reason: _____

List equipment efficiencies: _____

ELECTRICAL SUMMARY

SEE PME ENGINEERING

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:

Energy Code: ☐ Prescriptive ☐ Performance
ASHRAE 90.1: ☐ Prescriptive ☐ Performance

Lighting schedule (each fixture type)

lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed (whole building or space by space)
total exterior wattage specified vs. allowed

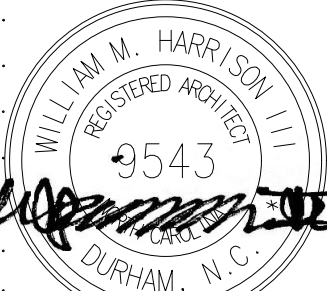
Additional Prescriptive Compliance

- ☐ 506.2.1 More Efficient Mechanical Equipment
- ☐ 506.2.2 Reduced Lighting Power Density
- ☐ 506.2.3 Energy Recovery Ventilation Systems
- ☐ 506.2.4 Higher Efficiency Service Water Heating
- ☐ 506.2.5 On-Site Supply of Renewable Energy
- ☐ 506.2.6 Automatic Daylighting Control Systems



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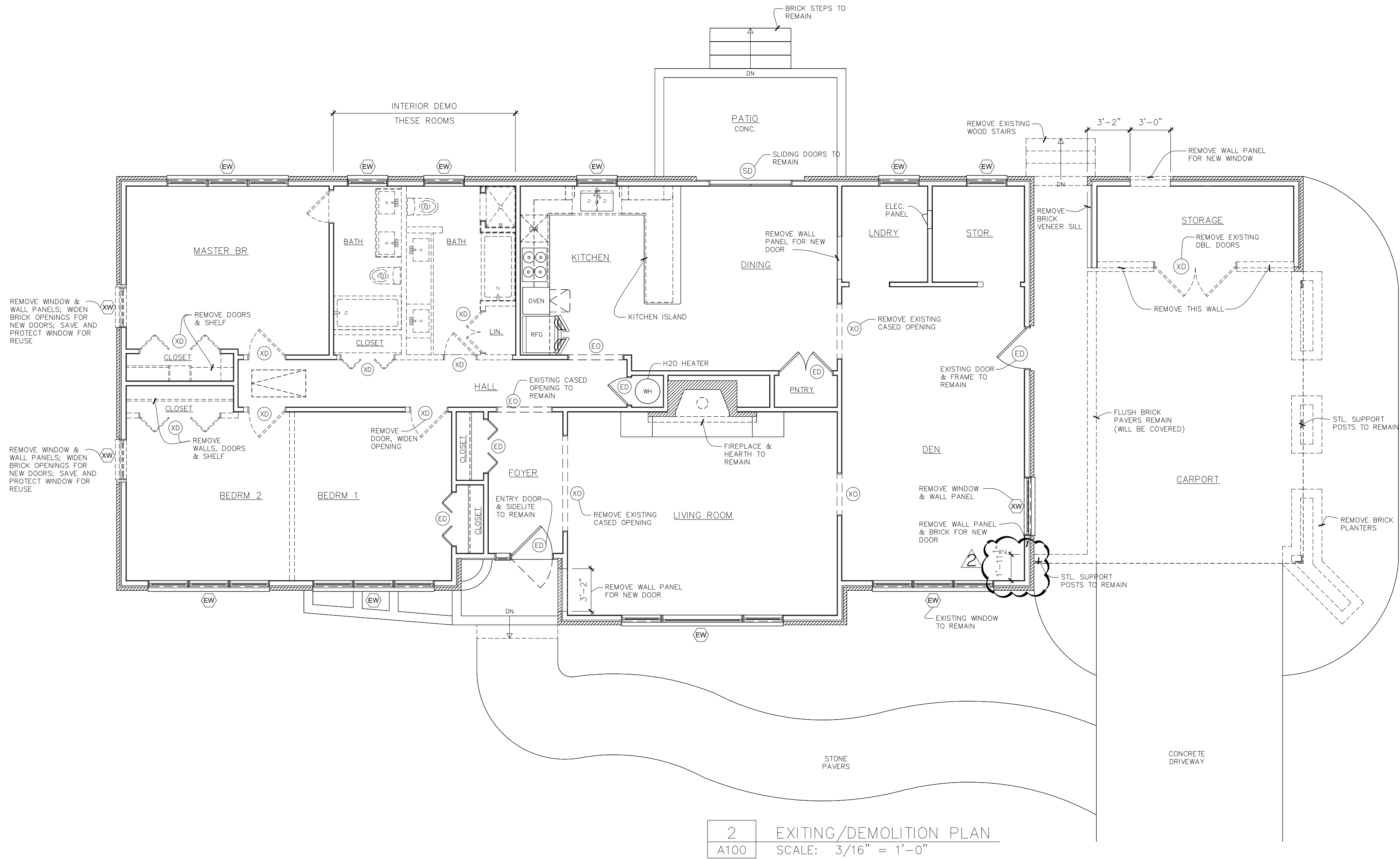
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DEMOLITION NOTES

- GC IS RESPONSIBLE TO ENSURE THAT THE DEMOLITION AREA IS MAINTAINED IN A CLEAN & SAFE CONDITION, AND THAT ALL DUST, DEBRIS, AND OTHER MATERIAL IS CONTAINED WITHIN THE EXTENTS OF CONSTRUCTION.
- GC SHALL MAKE EVERY EFFORT TO RECYCLE BUILDING MATERIALS, COMPONENTS, & EQUIPMENT AS PRACTICABLE.
- GC IS RESPONSIBLE FOR DISPOSAL OF ALL WASTE MATERIALS, INCLUDING TRANSPORTATION, FEES, ETC; COORDINATE WASTE MANAGEMENT PLAN WITH OWNER PRIOR TO COMMENCEMENT OF DEMOLITION.
- REMOVE EXISTING WALLS, DOORS, AND RELATED CONSTRUCTION AS INDICATED; PROTECT DOORS & FRAMES TO REMAIN.
- REMOVE ALL MILLWORK, CABINETRY, WINDOWS, TRIM, MOULDING, ETC. AS INDICATED.
- REMOVE ALL EXISTING PLUMBING FIXTURES, INCLUDING PIPING, FITTINGS, VALVES, TRAPS, ETC. AS INDICATED.
- REMOVE ALL POWER & DATA RECEPTACLES, INCLUDING WIRING & CONDUIT, IN EXISTING WALLS TO BE REMOVED; DISCONNECT ELECTRICAL WIRING AT PANEL, AND IDENTIFY REVISED LOADING CONDITION AT ALL CIRCUIT BREAKERS.
- REMOVE ALL EXISTING LIGHT FIXTURES WITHIN PROJECT AREA; DISCONNECT ELECTRICAL WIRING AT PANEL, AND IDENTIFY REVISED LOADING CONDITION AT CIRCUIT BREAKERS; SEE ENGINEERING PLANS FOR CONFIGURATION OF NEW LIGHTS, SWITCHES, ETC.
- REMOVE ALL EXISTING HVAC DUCTS, DIFFUSERS, GRILLES, ETC; SEE ENGINEERING PLANS FOR CONFIGURATION OF EXISTING AND NEW EQUIPMENT, NEW DUCT WORK.

DEMOLITION LEGEND

- EW EXISTING WINDOW TO REMAIN
XW EXISTING WINDOW TO BE REMOVED
EO EXISTING OPENING TO REMAIN
XO EXISTING OPENING TO BE REMOVED
EX EX
XD EXISTING DOUBLE DOOR/FRAME TO BE REMOVED
ED EXISTING DOOR/FRAME TO BE REMOVED
SD SLIDING DOOR TO REMAIN



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AFREYA'S
PLAYGROUND

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FUQUAY VARINA, NC 27526

project number

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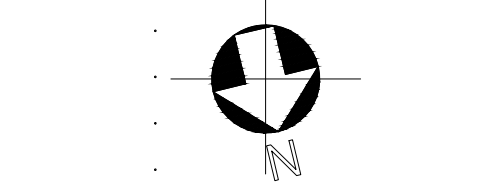
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EXISTING/DEMOLITION PLAN

drawing scale

AS NOTED

orientation



revision history

3/19/26	ENGINEER SET
4/7/26	PERMIT SET
4/10/26	PERMIT SET REISSUED
5/8/26	REVISED PERMIT SET
7/10/26	COUNTY REVIEW COMMENTS

issue date

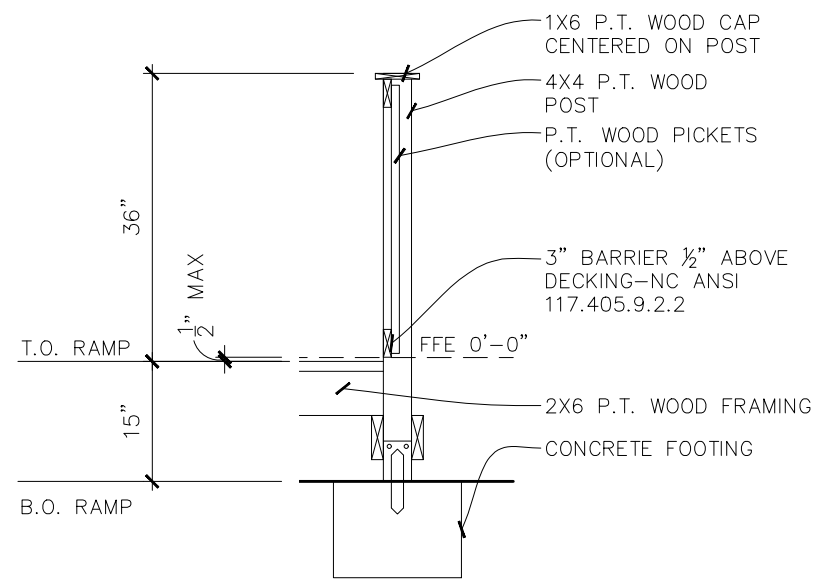
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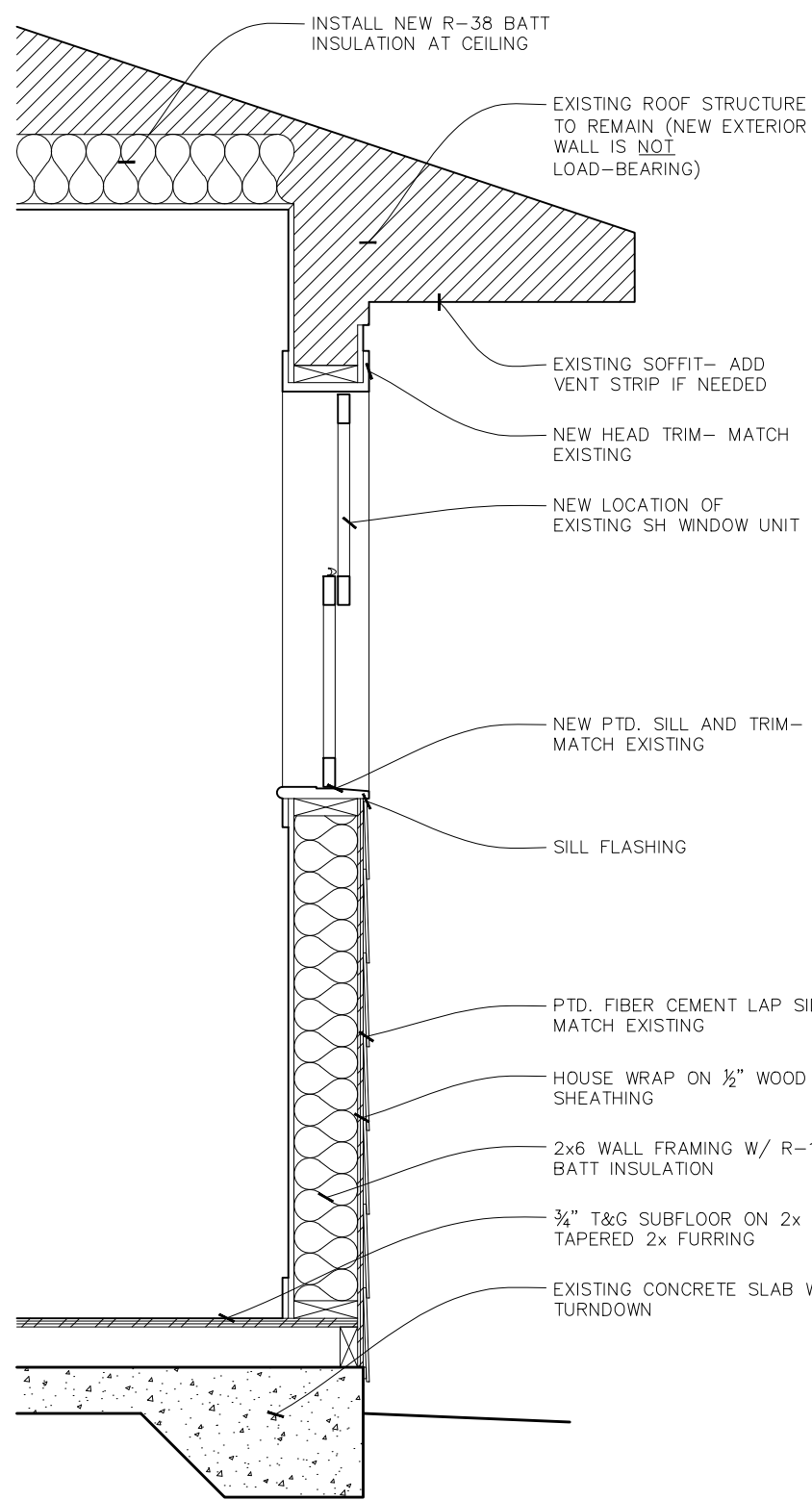
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WINDOW SCHEDULE					
SYM	WIDTH	HEIGHT	TYPE	GLAZING	NOTES
W1	3'-0"	5'-0"	--	TEMPERED/INSULATED	MATCH EXISTING
W2	4'-0"	5'-0"	--	TEMPERED/INSULATED	MATCH EXISTING; NOTE 3
W3	6'-2"	5'-0"	--	TEMPERED/INSULATED	MATCH EXISTING

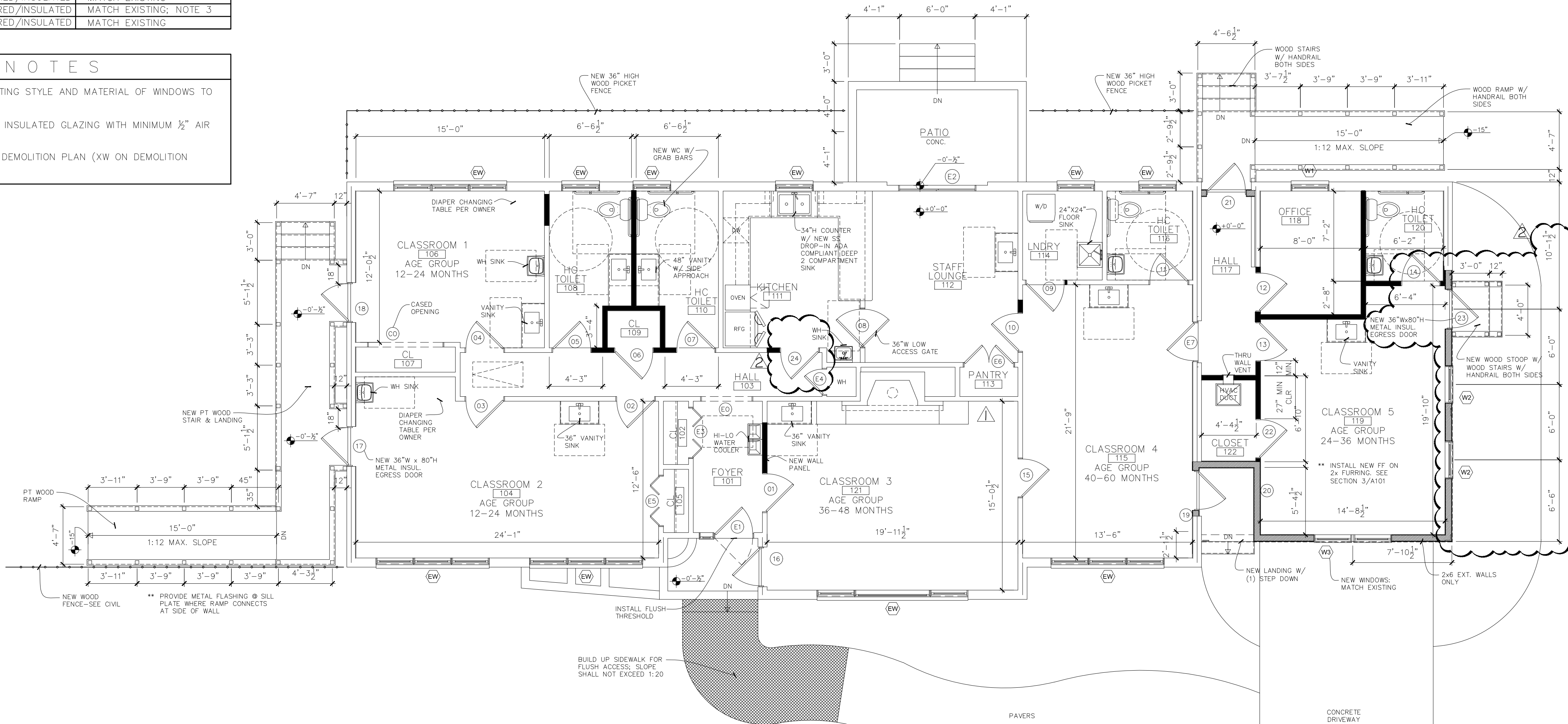
WINDOW NOTES	
1.	ALL NEW EXTERIOR WINDOW (W3) TO MATCH EXISTING STYLE AND MATERIAL OF WINDOWS TO REMAIN.
2.	ALL EXTERIOR WINDOWS TO HAVE TEMPERED AND INSULATED GLAZING WITH MINIMUM 1/2" AIR GAP.
3.	CONTRACTOR TO REUSE WINDOWS AS SHOWN ON DEMOLITION PLAN (XW ON DEMOLITION PLAN, W2 ON RENOVATION PLAN).



2 RAMP/HANDRAIL SECTION
A101 SCALE: 1/2" = 1'-0"



3 NEW WALL SECTION
A101 SCALE: 1/2" = 1'-0"



1 RENOVATION PLAN
A101 SCALE: 3/16" = 1'-0"
** ALL NEW WALLS ARE NON LOAD-BEARING

FINISH SCHEDULE						
RM#	RM NAME	FLOOR	WALL	BASE	CLG	NOTES
101	FOYER	LVP	PT1/PT2	WD	PT1	
102	CLOSET	LVP	PT1	WD	PT1	
103	HALL	LVP	PT1	WD	PT1	
104	CLASROOM #2	LVP	PT1	WD	PT1	
105	CLOSET	LVP	PT1	WD	PT1	
106	CLASROOM #1	LVP	PT1	WD	PT1	
107	CLOSET	LVP	PT1	WD	PT1	
108	HC TOILET	VCT	PT1	WD	PT1	ADA WATER CLOSET W/ GRAB BARS, ACCESSORIES TBD
109	CLOSET	LVP	PT1	WD	PT1	
110	HC TOILET	VCT	PT1	WD	PT1	ADA WATER CLOSET W/ GRAB BARS, ACCESSORIES TBD
111	KITCHEN	LVP	PT1	WD	PT1	
112	STAFF LOUNGE	LVP	PT1	WD	PT1	
113	PANTRY	LVP	PT1	WD	PT1	
114	LAUNDRY	LVP	PT1	WD	PT1	
115	CLASSROOM #4	CPT1	PT1	WD	PT1	
116	HC TOILET	VCT	PT1	WD	PT1	ADA WATER CLOSET W/ GRAB BARS, ACCESSORIES TBD
117	HALL	LVP	PT1	WD	PT1	
118	OFFICE	LVP	PT1	WD	PT1	
119	CLASSROOM #5	CPT1	PT1	WD	PT1	
120	HC TOILET	VCT	PT1	WD	PT1	ADA WATER CLOSET W/ GRAB BARS, ACCESSORIES TBD
121	CLASSROOM #3	LVP	PT1	WD	PT1	
122	CLOSET	LVP	PT1	WD	PT1	

FINISH KEY		FINISH NOTES	
FLOOR FINISH	LVP LUXURY VINYL PLANK FLOORING	1.	ALL NEW FINISHES SHALL BE SELECTED BY OWNER & ARCHITECT FROM FULL RANGE OF MANUFACTURER'S COLOR & FINISH OPTIONS
WALL FINISH	PT1 GYPSUM WALL BOARD- PAINT 1	2.	PREPARE ALL SURFACES TO BE PAINTED: FILL NAIL HOLES, DENTS, DINGS, ETC; REMOVE WELTS, RIDGES, ETC; SAND SMOOTH TO LEVEL 4 FINISH
WALL BASE	WD PTD. 1x4 WOOD BASE TRIM	3.	PAINT: (1) COAT PRIMER AND (2) FINISH COATS MIN; USE LATEX EGGSHELL ON WALLS, SEMI-GLOSS ON DOORS, WOOD TRIM, ETC.
CEILING FINISH	PT1 GYPSUM WALL BOARD- PAINT 1	4.	ALL PAINT, STAIN, VARNISH, ADHESIVES, ETC. SHALL BE LOW VOC-TYPE
		5.	CONCRETE FLOORING: THOROUGHLY CLEAN & SEAL EXISTING CONCRETE SLAB
		6.	BATHROOM COUNTERTOPS SHALL BE LEVEL 1 GRANITE TO BE SELECTED BY OWNER & ARCHITECT
		7.	ALL PLASTIC LAMINATE CABINETS SHALL BE AWI CUSTOM GRADE STANDARDS, FEATURING 3/4-INCH PARTICLEBOARD OR MDF CORES, HIGH-PRESSURE DECORATIVE LAMINATE (HPDL - GRADE HOS, 0.048" THICK) ON EXPOSED SURFACES, AND 1MM-3MM PVC EDGEBANDING WITH WHITE MELAMINE INTERIORS WITH SOFT-CLOSE FULL EXTENSION DRAWERS SLIDES, WIRE PULLS, SOFT-CLOSE HEAVY DUTY HINGES
		8.	ALL NON-BATHROOM COUNTERS AND BACKSPLASHES SHALL BE GRANITE, LEVEL-2, POLISHED FINISH, HALF-BULLNOSE EDGE FINISH

DOOR SCHEDULE				
DR#	WIDTH	HGT	DOOR TYPE	NOTES
E1	3'-0"	6'-8"	EXISTING	EXISTING
E2	6'-0"	6'-8"	EXISTING	EXISTING
E3	4'-0"	6'-8"	EXISTING BI-FOLD	EXISTING
E4	2'-0"	6'-8"	EXISTING	EXISTING
E5	4'-0"	6'-8"	EXISTING BI-FOLD	EXISTING
E6	4'-0"	6'-8"	EXISTING BI-FOLD	EXISTING
E7	3'-0"	6'-8"	EXISTING	EXISTING
01	3'-0"	6'-8"	SOLID DUTCH	CLASSROOM
02	3'-0"	6'-8"	SOLID DUTCH	CLASSROOM
03	3'-0"	6'-8"	SOLID DUTCH	CLASSROOM
04	3'-0"	6'-8"	SOLID DUTCH	CLASSROOM
05	3'-0"	6'-8"	SOLID CORE	PRIVATE
06	3'-0"	6'-8"	SOLID CORE	STORAGE
07	3'-0"	6'-8"	SOLID CORE	PRIVATE
08	3'-0"	3'-0"	SOLID CORE	DOUBLE ACTION
09	3'-0"	6'-8"	SOLID CORE	STORAGE
10	3'-0"	6'-8"	SOLID CORE	STORAGE
11	3'-0"	6'-8"	SOLID CORE	PRIVATE
12	3'-0"	6'-8"	METAL	OFFICE LOCK
13	3'-0"	6'-8"	METAL	CLASSROOM
14	3'-0"	6'-8"	SOLID CORE	PRIVATE
15	3'-0"	6'-8"	SOLID DUTCH	CLASSROOM
16	3'-0"	6'-8"	METAL	CLASSROOM
17	3'-0"	6'-8"	METAL	PRIVATE
18	3'-0"	6'-8"	METAL	PRIVATE
19	3'-0"	6'-8"	METAL	PRIVATE
20	3'-0"	6'-8"	METAL	PRIVATE
21	3'-0"	6'-8"	METAL	PRIVATE
22	3'-0"	6'-8"	SOLID CORE	STORAGE
23	3'-0"	6'-8"	METAL	PRIVATE
24	3'-0"	6'-8"	SOLID CORE	PRIVATE

DOOR NOTES	
1.	ALL NEW INTERIOR DOORS TO BE SOLID CORE, FLAT PANEL, BIRCH WOOD, STAIN TBS.
2.	ALL INTERIOR DOOR HARDWARE SHALL BE OIL-RUBBED BRONZE FINISH, ALL EXTERIOR DOOR HARDWARE SHALL BE DARK BRONZE.
3.	NEW DOOR LATCH HARDWARE SHALL BE STANDARD-DUTY LEVER HANDLE ("TUSTIN" BY KWKSET OR EQUAL).
4.	PROVIDE WALL BUMPER STOP AT EACH NEW SWINGING DOOR THAT DOES NOT INCLUDE AUTO CLOSURE.
5.	"STORAGE" LOCKSET SHALL BE CYLINDER TYPE W/ KEYED EXTERIOR OPERATION ONLY.
6.	"OFFICE" LOCKSET SHALL BE CYLINDER TYPE W/ KEYED EXTERIOR AND INTERIOR PUSH BUTTON LATCH.
7.	"PUSH-PULL" HARDWARE TO INCLUDE PUSH PLATE & PULL HANDLE W/ AUTO CLOSURE- NO LATCH.
8.	"PRIVACY" LOCKSET SHALL BE CYLINDER TYPE W/ INTERIOR PUSH BUTTON LATCH ONLY.



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AFREYA'S
PLAYGROUND
12082 NC HIGHWAY 42
FUQUAY VARINA, NC 27526

project number
2026010-TLDC
drawing title

RENOVATION PLAN,
NOTES, SCHEDULES &
DETAILS
drawing scale

AS NOTED
orientation
revision history

3/19/26 ENGINEER SET
4/7/26 PERMIT SET
4/10/26 PERMIT SET REISSUED
5/8/26 REVISED PERMIT SET
7/10/26 COUNTY REVIEW COMMENTS

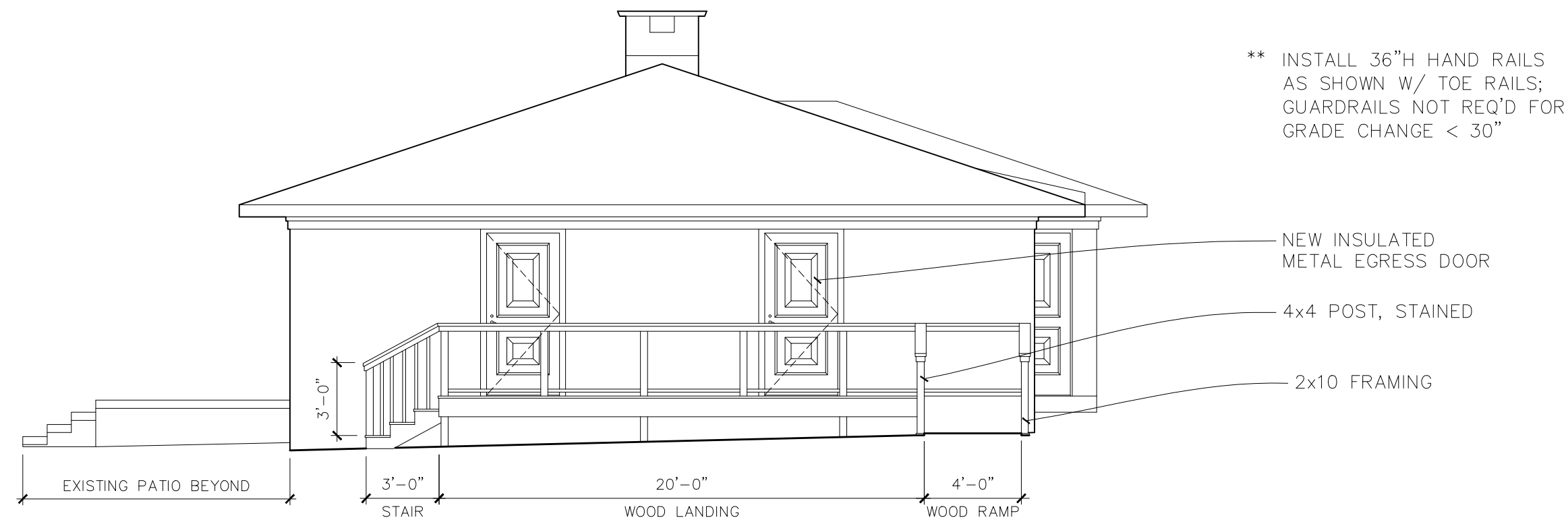
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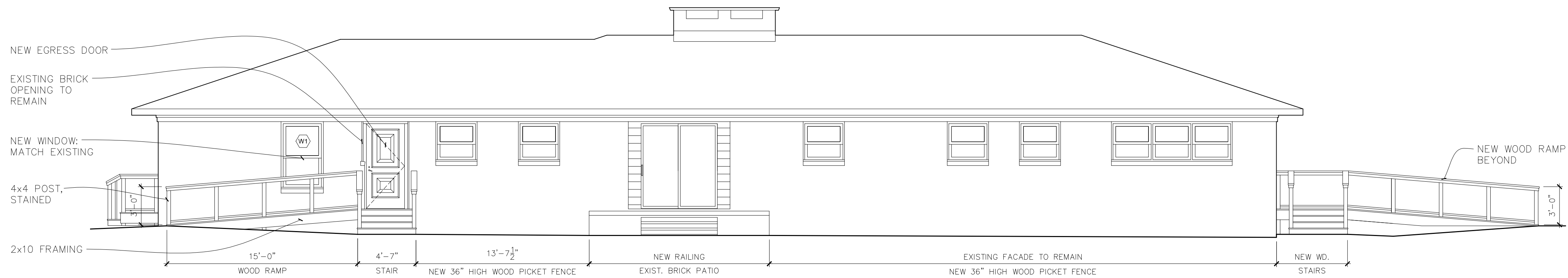
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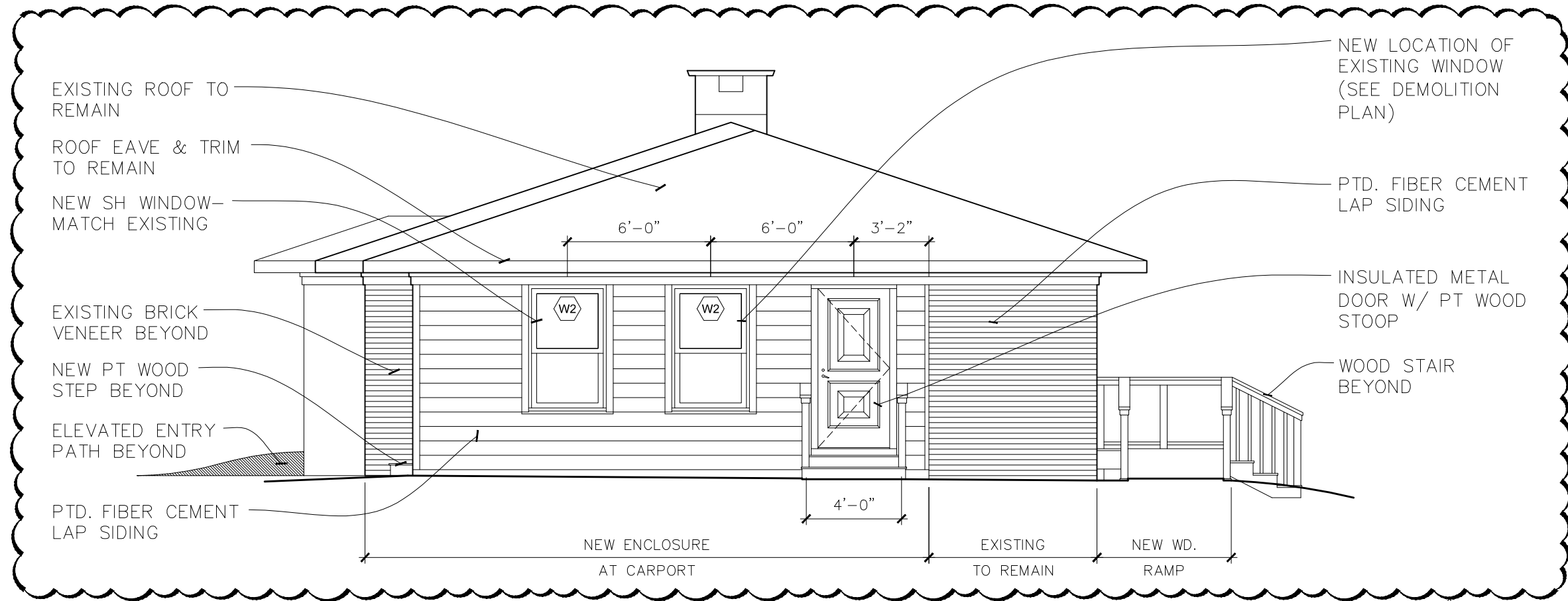


4 LEFT SIDE ELEVATION
A200 SCALE: 3/16" = 1'-0"



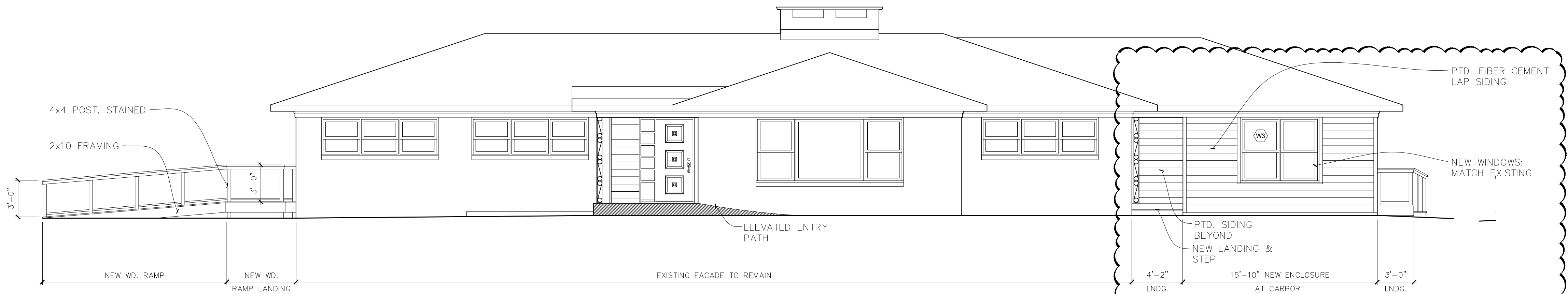
3 REAR ELEVATION
A200 SCALE: 3/16" = 1'-0"

** REFER TO CIVIL PLANS FOR FENCE AND PLAYGROUND LOCATION



2 RIGHT SIDE ELEVATION (CARPORT)
A200 SCALE: 3/16" = 1'-0"

2



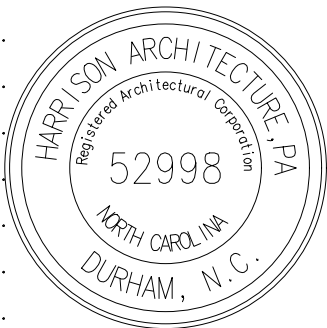
1 FRONT ELEVATION
A200 SCALE: 3/16" = 1'-0"

2



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drawing title

EXTERIOR ELEVATIONS

drawing scale

AS NOTED
orientation

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5/8/26 REVISED PERMIT SET
7/10/26 COUNTY REVIEW COMMENTS

issue date

07/10/26
sheet index

A200

GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE IBC ADOPTED BY STATE , ANY APPLICABLE LOCAL CITY/TOWN/COUNTY CODES AND OTHER INDUSTRY STANDARDS.
2. ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMEN. THE PLUMBING CONTRACTOR (P.C.) SHALL COORDINATE ALL OF HIS WORK WITH ALL OTHER CONTRACTORS.
3. THE PLUMBING PLANS AND SPECIFICATIONS SHALL BE THOROUGHLY REVIEWED PRIOR TO PURCHASING MATERIALS AND INSTALLATION. ALL DISCREPANCIES OR INTERFERENCE SHALL BE BROUGHT TO THE ENGINEERS ATTENTION.
4. THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS, REFER TO THE ARCHITECTURAL PLANS.
5. THE P.C. SHALL PROVIDE ALL OPENINGS REQUIRED FOR THE PLUMBING WORK. THE PATCHING SHALL BE BY THE P.C. AND FINISHING BY GENERAL CONTRACTOR (G.C.).
6. WATER LINES BELOW GRADE SHALL BE TYPE "K" COPPER AND ABOVE GRADE TYPE "L", HARD DRAWN COPPER, SUPPORTED AS REQUIRED, AND SHALL BE HYDROSTATIC ALLY TESTED FOR TWO HOURS AT 125 PSI. TEST TO COMPLY WITH ALL EPA STANDARDS, THE ENTIRE WATER DISTRIBUTION SYSTEM SHALL BE DISINFECTED PRIOR TO PLACING IN SERVICE. "CPVC" OR "PEX" PIPES ARE ACCEPTED SUBJECT TO LANDLORD'S ACCEPTANCE.
7. COLD & HOT WATER PIPING SHALL BE INSULATED WITH R6.5, 2" GLASS FIBER.
8. IF THE WATER PRESSURE EXCEEDS 60 PSI, A PRESSURE REDUCING VALVE SHALL BE INSTALLED WHERE THE WATER ENTERS THE BUILDING AND SHALL BE SET AT 50 PSI.
9. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL AND CONTROL CONNECTIONS TO THE EQUIPMENT FURNISHED UNDER THE PLUMBING CONTRACT.
10. SANITARY SEWER AND VENT LINES SHALL BE P.V.C. WASTE AND VENT PIPE UNDER SLAB AND DWV NO-HUB C1 AND /OR DWV COPPER ABOVE SLAB. EXCEPTS FOR CONNECTIONS TO FIXTURES. MINIMUM DRAIN & VENT SIZES ABOVE SLAB SHALL BE 2". PVC PIPES ARE ACCEPTABLE IF APPROVED BY THE LANDLORD AND IT MAY USE IN CONCEALED WALLS OR ABOVE NON PLENUM CEILING. ANY EXPOSED PLUMBING PIPES MUST BE CAST IRON.
11. THE P.C. SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION OF ANY WORK.
12. VERIFY THE LOCATION OF ALL EQUIPMENT SUPPLIED BY OTHERS.
13. THE PLUMBING CONTRACTOR SHALL PROVIDE A DIELECTRIC UNION WHEN CONNECTING DISSIMILAR METALS.
14. ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICIAN.
15. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT ITEMS TO BE FURNISHED UNDER THIS CONTRACT WILL FIT THE SPACE AVAILABLE. THEY SHALL MAKE NECESSARY FIELD MEASUREMENTS TO ASCERTAIN SPACE REQUIREMENTS, INCLUDING THOSE FOR CONNECTIONS, AND SHALL FURNISH AND INSTALL SUCH SIZES AND SHAPES OF EQUIPMENT THAT ARE THE TRUE INTENT AND MEANING OF THE DRAWINGS AND SPECIFICATIONS.
16. THE CONTRACTOR SHALL PROVIDE AND INSTALL HIS OWN SUPPORT DEVICES. ALL LOCATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND OTHER PRIME CONTRACTORS PRIOR TO INSTALLATION.
17. THE CONTRACTOR SHALL USE FIRE RATED SLEEVES IN ALL LOCATIONS WHERE PENETRATIONS OF RATED WALLS AND FLOORS ARE MADE. ALL OPENINGS WILL BE MADE FIREPROOF.
18. ALL VENT LINES SHALL SLOPE UP TO VENT through ROOF. VENT through ROOF SHALL BE 10'-0" MINIMUM FROM ANY FRESH AIR INTAKES.
19. ALL WASTE STACKS & VENT SHALL HAVE A CLEANOUT AT THE BASE OF THE STACK. COORDINATE LOCATION OF CLEANOUTS WITH CASEWORK.
20. THE CONTRACTOR SHALL PROVIDE SHOCK ABSORBERS AT EACH BRANCH. SHOCK ABSORBERS IN ACCORDANCE WITH ASSE 1.010 AND SHALL BE ACCESSIBLE.
21. HORIZONTAL DRAINAGE AND WASTE PIPING SHALL HAVE A MINIMUM SLOPE OR FALL OF 1/8" PER FOOT FOR SIZES GREATER THAN OR EQUAL TO 3" AND A MINIMUM SLOPE OF FALL OF 1/4" PER FOOT FOR SIZES LESS THAN 3".
22. PROVIDE MANUAL SHUTOFF VALVES AT EACH BRANCH LINE OF ALL WATER PIPING.
23. PROVIDE ISOLATION VALVES AT ALL FIXTURES.
24. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF PLUMBING FIXTURES.
25. PROVIDE POSITIVE FREEZE PROTECTION ON ALL WATER LINES SUBJECT TO FREEZING CONDITIONS.
26. CONTRACTOR SHALL BE REQUIRED TO COMPLETELY ROD AND FLUSH OUT ALL SANITARY WASTE LINES AFTER BUILDING IS COMPLETED.
27. PROVIDE CHROME ESCUTCHEON RINGS AT ALL EXPOSED CEILING AND WALL PENETRATION.
28. PROVIDE BACKFLOW DEVICE WITH EACH EQUIPMENT CONNECTION.

MINIMUM FACILITY REQUIREMENTS

TABLE 403.1 MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES								
SPACE CLASSIFICATION	WATER CLOSET		URINALS		LAVATORIES		SHOWERS/ TUB	DRINKING FOUNTAIN
	MALE	FEMALE			MALE	FEMALE		
CHILD CARE	TOTAL REQUIRED	3	0		3	0		1
	TOTAL PROVIDED	3	0		3	0		1
EMPLOYEES	TOTAL REQUIRED	1	0		1	0		0
	TOTAL PROVIDED	1	0		1	0		0

PLUMBING FIXTURE SPECIFICATIONS

- P1A WATER CLOSET FLOOR MOUNTED (ADA)
- a. TYPE: FLOOR MOUNTED, VITEROUS CHINA, FLUSH TANK, 1.6 GPF MFR: AMERICAN STANDARD, MODEL-2467.100, COLOR- WHITE, RIGHT HEIGHT, ELONGATED EXTRA HEAVY DUTY BOWL 5905.100, 17" A.F.F. TO RIM (RIGHT OR LEFT HAND SIDE LEVER TO BE DECIDED BY THE CONTRACTOR PER FIELD LOCATION, LEVER MUST BE ON OPEN SIDE OF THE TOILET)
- b. SEAT: PLASTIC OPEN FRONT SEAT COVER TO MATCH BOWL, SS HINGE
- c. MOUNTING HEIGHT: RIM AT 17" ABOVE FINISHED FLOOR
- P1B CHILD WATER CLOSET FLOOR MOUNTED (ADA)
- a. TYPE: FLOOR MOUNTED, VITEROUS CHINA, FLUSH TANK, 1.6 GPF MFR: GERBER, MODEL-CUVETTE ARKONDIE GHE20601 ADA COMPLIANT, COLOR- WHITE, ROUND FRONT BOWL 11 1/4" A.F.F. TO RIM (RIGHT OR LEFT HAND SIDE LEVER TO BE DECIDED BY THE CONTRACTOR PER FIELD LOCATION, LEVER MUST BE ON OPEN SIDE OF THE TOILET)
- b. SEAT: PLASTIC OPEN FRONT SEAT COVER TO MATCH BOWL, SS HINGE
- c. MOUNTING HEIGHT: RIM AT 11 1/4" ABOVE FINISHED FLOOR
- P2A WALL LAVATORY
- a. TYPE: WALL HUNG, 4" CENTERS, OVAL, 20"x18", VITREOUS CHINA, SELF RIMMING
- b. MFG: AMERICAN STANDARD MODEL- MURRO 0955.121EC (EXTRA LEFT-HAND HOLE) OR 0955.123EC (EXTRA RIGHT-HAND HOLE)
- c. FAUCET: MFR: AMERICAN STANDARD METERING PILLAR TAP SINGLE HOLE FAUCET, ADA COMPLIANT, SINGLE HOLE. PROVIDE ASSE-1070 COMPLIANT TEMPERING VALVE (WATTS- MODEL USG-B).
- d. DRAIN: CHROME PLATED GRID STRAINER WITH 1 1/4" TAILPIECE. SLOAN MODEL NO. ETF-460-A.
- e. TRAP: AMERICAN STANDARD # 85700; 1 1/4" X 1 1/2" 17 GA. TUBULAR ADJUSTABLE P-RAP, POLISHED CHROME.
- f. SUPPLIES: 2" X 3/8" POLISHED CHROME WHEEL HANDLE STOPS WITH 3/8" O.D. CHROME PLATED FLEX RISER AND ESCUTCHEON.
- g. MTG. HEIGHT: COORDINATE WITH ARCHITECT PRIOR TO ROUGH IN
- h. FURNISH WITH LAVATORY BRACKET KIT NO. K-9583, P-TRAP INSULATION, COLD AND HOT WATER ANGLE STOP INSULATION AND FASTENERS.
- P2B COUNTERTOP DROP-IN LAVATORY
- a. TYPE: COUNTERTOP DROP-IN, 4" CENTERS, RECTANGULAR 21 1/4" X 17 3/4", VITREOUS CHINA, SELF RIMMING
- b. MFG: AMERICAN STANDARD MODEL- STUDIO (EXTRA LEFT-HAND HOLE) OR 0955.123EC (EXTRA RIGHT-HAND HOLE)
- c. FAUCET: MFR: AMERICAN STANDARD METERING PILLAR TAP SINGLE HOLE FAUCET, ADA COMPLIANT, SINGLE HOLE. PROVIDE ASSE-1070 COMPLIANT TEMPERING VALVE (WATTS- MODEL USG-B).
- d. DRAIN: CHROME PLATED GRID STRAINER WITH 1 1/4" TAILPIECE. SLOAN MODEL NO. ETF-460-A.
- e. TRAP: AMERICAN STANDARD # 85700; 1 1/4" X 1 1/2" 17 GA. TUBULAR ADJUSTABLE P-RAP, POLISHED CHROME.
- f. SUPPLIES: 2" X 3/8" POLISHED CHROME WHEEL HANDLE STOPS WITH 3/8" O.D. CHROME PLATED FLEX RISER AND ESCUTCHEON.
- g. MTG. HEIGHT: 34" TO THE TOP OF COUNTER MAX. COORDINATE WITH ARCHITECT PRIOR TO ROUGH IN.
- h. FURNISH WITH LAVATORY BRACKET KIT NO. K-9583, P-TRAP INSULATION, COLD AND HOT WATER ANGLE STOP INSULATION AND FASTENERS.
- P3A 2-COMP DROP IN DEEP KITCHEN SINK (ADA COMPLIANT)
- BY THE OWNER- COUNTERTOP SHALL BE 34" MAX MEASURED TO THE TOP.
- P4 WALL HAND SINK
- a. TYPE: WALL HUNG, 4" CENTERS, OVAL, 20"x18", VITREOUS CHINA, SELF RIMMING
- b. MFG: AMERICAN STANDARD MODEL- MURRO 0955.121EC (EXTRA LEFT-HAND HOLE) OR 0955.123EC (EXTRA RIGHT-HAND HOLE)
- c. FAUCET: MFR: AMERICAN STANDARD METERING PILLAR TAP SINGLE HOLE FAUCET, ADA COMPLIANT, SINGLE HOLE. PROVIDE ASSE-1070 COMPLIANT TEMPERING VALVE (WATTS- MODEL USG-B).
- d. DRAIN: CHROME PLATED GRID STRAINER WITH 1 1/4" TAILPIECE. SLOAN MODEL NO. ETF-460-A.
- e. TRAP: AMERICAN STANDARD # 85700; 1 1/4" X 1 1/2" 17 GA. TUBULAR ADJUSTABLE P-RAP, POLISHED CHROME.
- f. SUPPLIES: 2" X 3/8" POLISHED CHROME WHEEL HANDLE STOPS WITH 3/8" O.D. CHROME PLATED FLEX RISER AND ESCUTCHEON.
- g. MTG. HEIGHT: COORDINATE WITH ARCHITECT PRIOR TO ROUGH IN
- h. FURNISH WITH LAVATORY BRACKET KIT NO. K-9583, P-TRAP INSULATION, COLD AND HOT WATER ANGLE STOP INSULATION AND FASTENERS.
- P5 COUNTERTOP DROP-IN HAND SINK
- a. TYPE: COUNTERTOP DROP-IN, 4" CENTERS, RECTANGULAR 21 1/4" X 17 3/4", VITREOUS CHINA, SELF RIMMING
- b. MFG: AMERICAN STANDARD MODEL- STUDIO (EXTRA LEFT-HAND HOLE) OR 0955.123EC (EXTRA RIGHT-HAND HOLE)
- c. FAUCET: MFR: AMERICAN STANDARD METERING PILLAR TAP SINGLE HOLE FAUCET, ADA COMPLIANT, SINGLE HOLE. PROVIDE ASSE-1070 COMPLIANT TEMPERING VALVE (WATTS- MODEL USG-B).
- d. DRAIN: CHROME PLATED GRID STRAINER WITH 1 1/4" TAILPIECE. SLOAN MODEL NO. ETF-460-A.
- e. TRAP: AMERICAN STANDARD # 85700; 1 1/4" X 1 1/2" 17 GA. TUBULAR ADJUSTABLE P-RAP, POLISHED CHROME.
- f. SUPPLIES: 2" X 3/8" POLISHED CHROME WHEEL HANDLE STOPS WITH 3/8" O.D. CHROME PLATED FLEX RISER AND ESCUTCHEON.
- g. MTG. HEIGHT: 34" TO THE TOP OF COUNTER MAX. COORDINATE WITH ARCHITECT PRIOR TO ROUGH IN.
- h. FURNISH WITH LAVATORY BRACKET KIT NO. K-9583, P-TRAP INSULATION, COLD AND HOT WATER ANGLE STOP INSULATION AND FASTENERS.
- P6 REUSE EXISTING WASHER WATER AND WASTE KIT
- P7 DISHWASHER BY THE OWNER PER HARNETT COUNTY HEALTH DEPARTMENT
- P8 ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION
- a. TYPE: WALL HUNG, HIGH/LOW UNIT WITH 8.0 GPH CAPACITY OF 50°F WATER WITH INLET TEMPERATURE OF 80°F AND ROOM TEMPERATURE OF 90°F, 370 WATTS, 4.0A, 115V AIR COOLED CONDENSER
- b. MFG: ELKAY MODEL: VRCTL8WSK
- c. SUPPLY: 2" X 3/8" O.D. SWEAT ANGLE STOP
- d. TRAP: 1 1/4" X 1 1/2" 17 GA. TUBULAR ADJUSTABLE P-TRAP, POLISHED CHROME.
- e. MTG. HEIGHT: COORDINATE WITH ARCHITECT PRIOR TO ROUGH IN.
- f. CARRIER: FURNISH WITH MOUNTING BRACKET
- P9 MOP SINK
- A. TYPE: FLOOR MOUNTED, PRE CAST TERRAZZO, 24"x24", 3" STRAINER, STAINLESS STEEL CAPS ON ALL CURBS.
- B. MFG: FIAT NO. TSB-100 OR EQUAL BY MUSTEE
- C. FAUCET: POLISHED CHROME, WALL MOUNTED PAIL HOOK, WALL BRACE, VACUUM BREAKER, INTEGRAL STOPS, 1.0 GPM
- D. MFG: T & S BRASS MODEL NO. B-665 BSTP
- E. TRAP: 3" CAST IRON P-TRAP
- F. ACCESSORIES: BUMPER GUARD FIAT NO. E77-AA, HOSE AND HOSE BRACKET NO. 832-AAP-8 OR EQUAL BY MUSTEE
- HB-E HOSE BIB (EXTERIOR APPLICATION)
- a. TYPE: NON FREEZE, EXPOSED, SELF DRAINING, WALL FAUCET, ANTI CONTAMINATION, 3/4" MALE HOSE CONNECTION, ANTI-SIPHON VACUUM BREAKER, BRASS CONSTRUCTION, CHROME PLATED, INLET CONNECTION 3/4".
- b. MFG: MIFAB MHY-10
- FLOOR CLEANOUT
- a. TYPE: 4" CAST IRON CLEAN OUT WITH ADJUSTABLE HOUSING, FERRULE WITH PLUG AND ROUND NICKEL BRASS SECURED TOP RECESSED FOR TILE (OR SCORIATED TOP FOR CONCRETE FINISH), VANDAL PROOF COVER, SPIGOT OUTLET
- b. MFG: ZURN NO: Z-1400
- WALL CLEANOUT
- a. TYPE: CAST IRON CLEAN OUT TEE WITH BRASS PLUG AND ROUND VANDAL PROOF ACCESS COVER.
- b. MFG: WADE SERIES 8400

WATER HEATER SCHEDULE

WATER HEATER SCHEDULE-FV DAYCARE

DESIGNATION	WH- 2
MFR:	A. O. SMITH
MODEL #	DEN 40
STORAGE (USG)	40 USG
FIRST HR. RATING	47 GALLONS
RECOVERY RATE@90°F	30 GPH
ENERGY FACTOR	0.93
WATTAGE	6000 W
VOLTAGE	240V, 1 PH
FOAM INSULATION	2"
PHYSICAL SIZE	23" DIA X 32" HIGH
WATER CONNECTION	3/4" IN, 3/4" OUT
EXPANSION TANK	WATTS MODEL- ETX-30
	2.1 GALLONS, 150 PSIG
WARRANTY	TANK- 6 YEARS

SPECIAL NOTES:

- USE EXISTING WATER HEATER TO SUPPLY 110°F HOT WATER TO ALL LAVATORIES.
- SET NEW WATER HEATER (WH-2) RO SUPPLY 140°F HOT WATER TO MOP SINK, WASHER, 2-COMP SINK AND DISHWASHER.

PLUMBING FIXTURE CALCULATIONS

Fixture Designation	Fixture	Occupancy	Type of Supply Control	Quantity	F.U. Cold	F.U. Cold Total	F.U. Hot	F.U. Hot Total	Water F.U./ FIX.	Water F.U. Total	F.U. Waste	F.U. Waste Total							
P1A	WATER CLOSET-ADA	PUBLIC	FLUSH TANK	1.00	5.00	5.00	0.00	0.00	5.00	5.00	4.00	4.00							
P1B	WATER CLOSET-ADA	PUBLIC	FLUSH TANK	3.00	5.00	15.00	0.00	0.00	5.00	15.00	4.00	12.00							
P2A	LAVATORY-ADA	PUBLIC	FAUCET	2.00	1.50	3.00	1.50	3.00	2.00	4.00	1.00	2.00							
P2B	LAVATORY-ADA	PUBLIC	FAUCET	2.00	1.50	3.00	1.50	3.00	2.00	4.00	1.00	2.00							
P3A	EXISTING KITCHEN SINK	PRIVATE	FAUCET	1.00	1.00	1.00	1.00	1.00	1.40	1.40	2.00	2.00							
P4	WALL HAND SINK	PRIVATE	FAUCET	3.00	1.00	3.00	1.00	3.00	1.40	4.20	2.00	6.00							
P5	COUNTERTOP HAND SINK	PRIVATE	FAUCET	5.00	1.00	5.00	1.00	5.00	1.40	7.00	2.00	10.00							
P6	EX. RESIDENTIAL WASHER	PRIVATE	FAUCET	1.00	1.00	1.00	1.00	1.00	1.40	1.40	2.00	2.00							
P7	EXISTING DISHWASHER	PRIVATE	AUTOMATIC	1.00	0.00	0.00	1.40	1.40	1.40	1.40	2.00	2.00							
P8	ELECTRIC WATER COOLER	PRIVATE	3/8" VALVE	1.00	0.25	0.25	0.00	0.00	0.25	0.25	0.50	0.50							
P9	MOP SINK	PRIVATE	MIXING VALVE	1.00	2.25	2.25	2.25	2.25	3.00	3.00	2.00	2.00							
F.U. Cold Sub-Total					39														
F.U. Hot Sub-Total								20											
F.U. Water Sub-Total										47		WFU							
F.U. Waste Sub-Total																			
												45							
WATER DEMAND IN GPM(W/FLUSH TANK) = 47 W. S.F.U. = 28.26 GPM																			
MINIMUM WATER PIPE SIZE REQUIRED IS 1". SPECIFIED 1".																			
MINIMUM WASTE PIPE = 4"																			
BASED ON 1/8" SLOPE PER FOOT																			

PLUMBING FIXTURE CONNECTION SCHEDULE

SYMBOL	FIXTURE	CW	HW	WASTE	VENT	REMARKS
P1A, P1B	WATER CLOSET	1/2"	-	3"	2"	
P2A, P2B	LAVATORY	1/2"	1/2"	2"	1 1/4"	
P3A	EX. KITCHEN SINK	1/2"	1/2"	2"	1 1/4"	
P4	WALL HAND SINK	1/2"	1/2"	2"	1 1/4"	
P5	COUNTERTOP HAND SINK	1/2"	1/2"	2"	1 1/4"	
P6	EX. WASHER	3/4"	3/4"	3"	2"	
P7	EX. DISHWASHER	-	1/2"	-	-	
P8	ELECTRIC WATER COOLER	1/2"	-	2"	1 1/4"	
P9	MOP SINK	3/4"	3/4"	3"	2"	
HB-E	EXTERIOR HOSE BIB	3/4"	-	-	-	
WCO	WALL CLEAN OUT	-	-	3"	-	
FCO	FLOOR CLEAN OUT	-	-	3"	-	

LEGEND

-----	SANITARY SEWER PIPING
-----	VENT PIPING
-----	COLD WATER PIPING
-----	HOT WATER PIPING
FD- ●-----	FLOOR DRAIN
HD- ●-----	HUB DRAIN
-----M-----	GATE VALVE
-----V-----	BACK FLOW PREVENTER VALVE

ABBREVIATIONS

VTR	VENT THRU ROOF
W	WASTE
V	VENT
HW	HOT WATER
CW	COLD WATER
P (X)	PLUMBING FIXTURE
FCO	FLOOR CLEAN OUT
WCO	WALL CLEAN OUT
GCO	GROUND CLEAN OUT
GPM	GALLONS PER MINUTE
HD	HUB DRAIN
PSI	POUNDS PER SQUARE INCH
KW	KILOWATTS
V	VOLTS
W	WATTS

REVISIONS

BY

R1 05-11-2026

HCS

R2 06-18-2026

HCS

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GREENTECH LICENSE # C-2720

STATE OF NORTH CAROLINA

PROFESSIONAL SEAL

049994

REGISTERED PROFESSIONAL ENGINEER

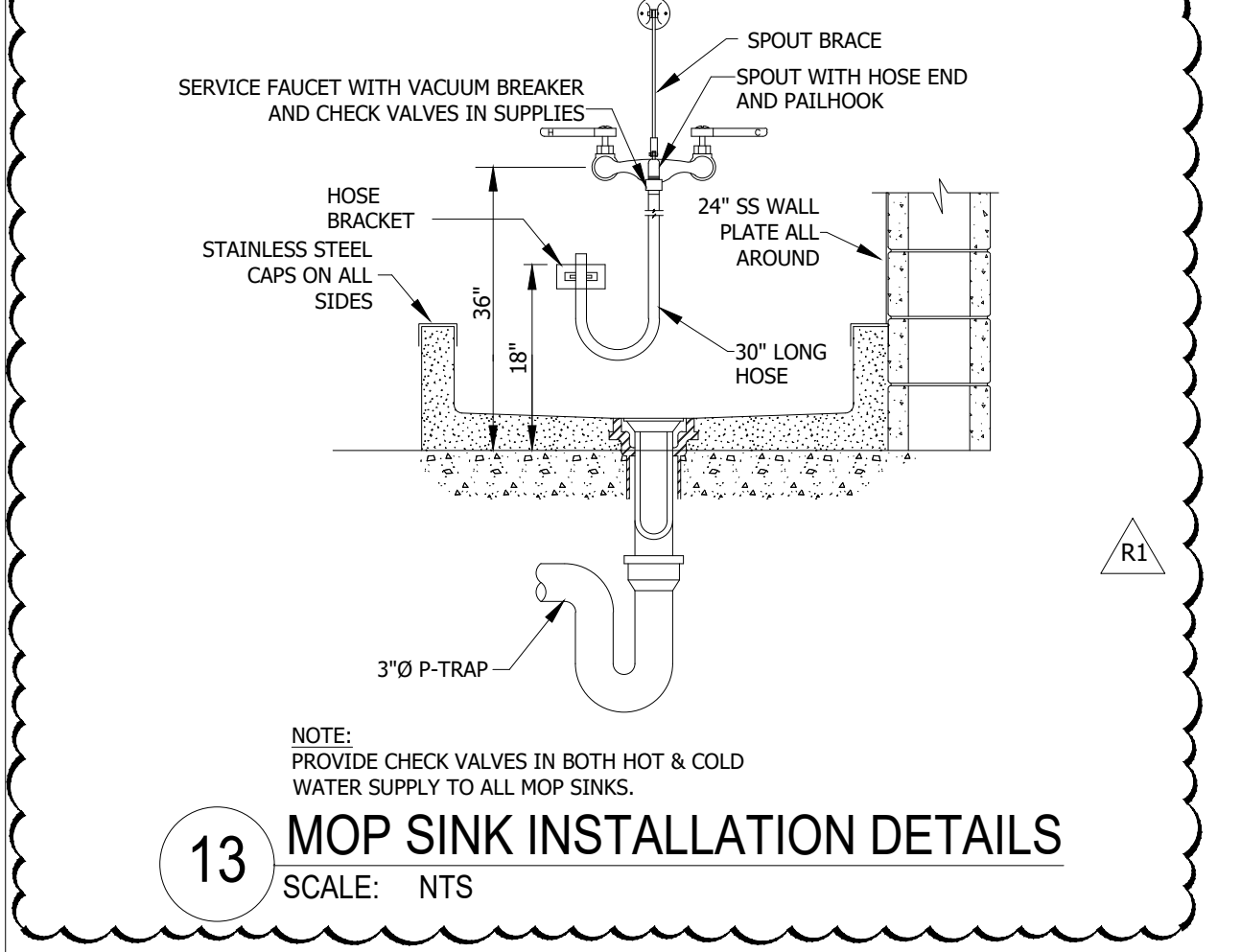
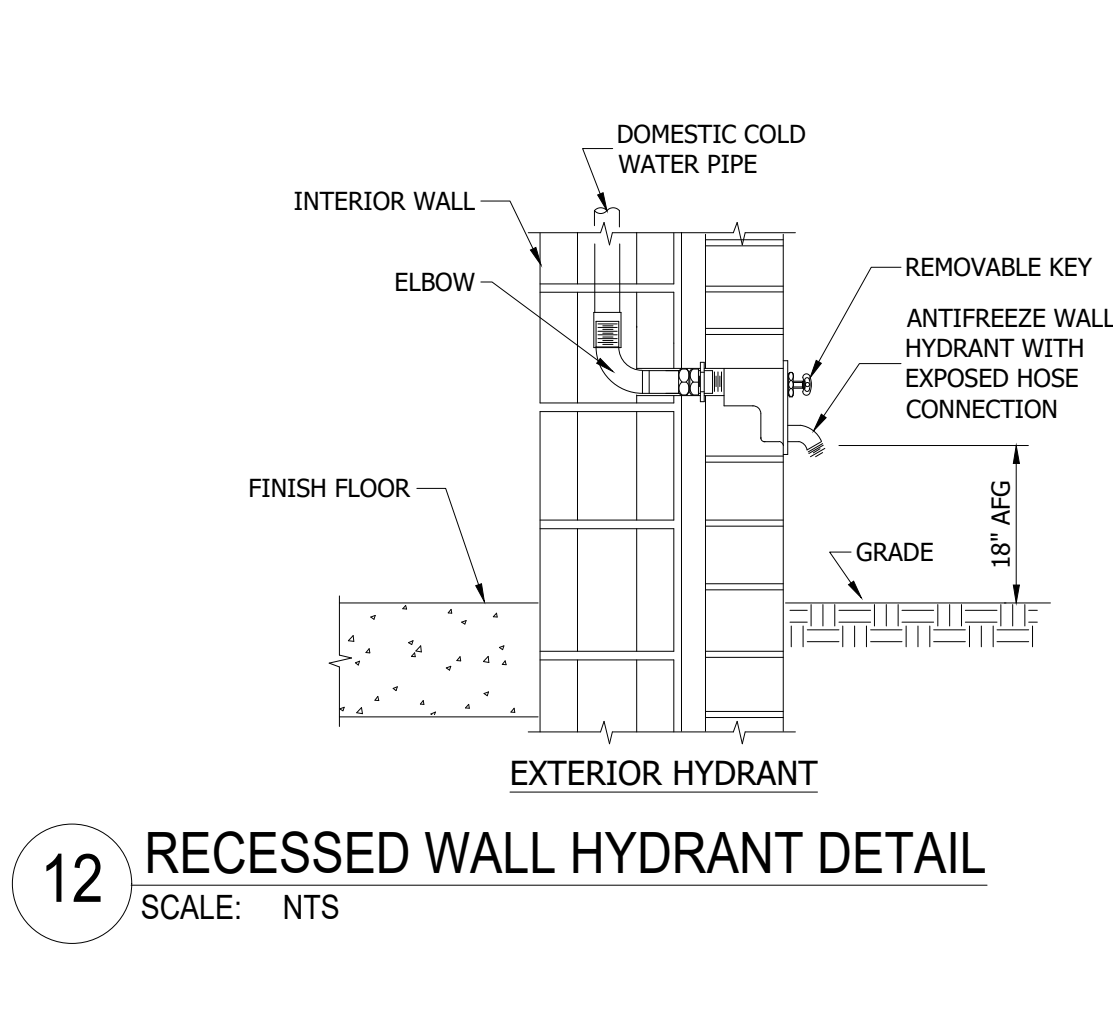
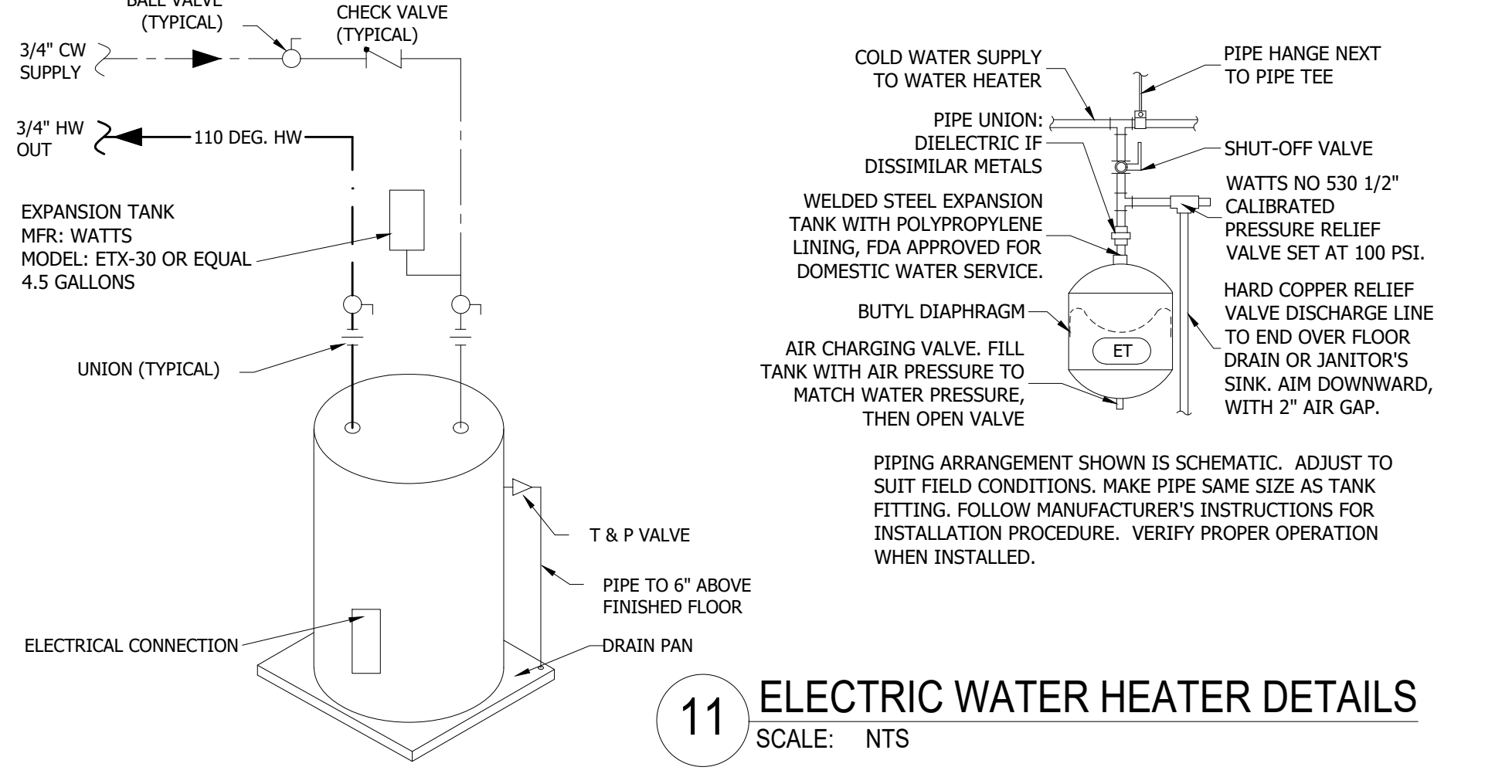
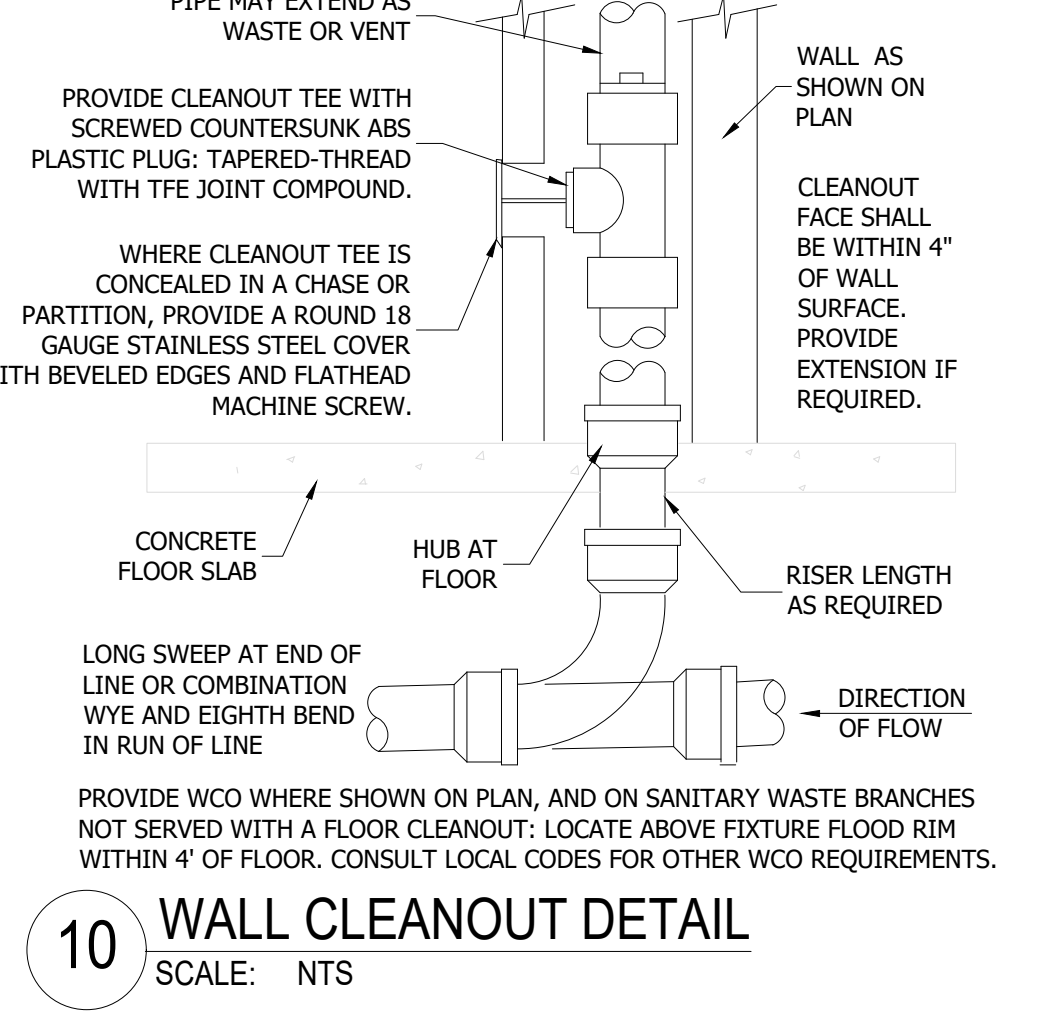
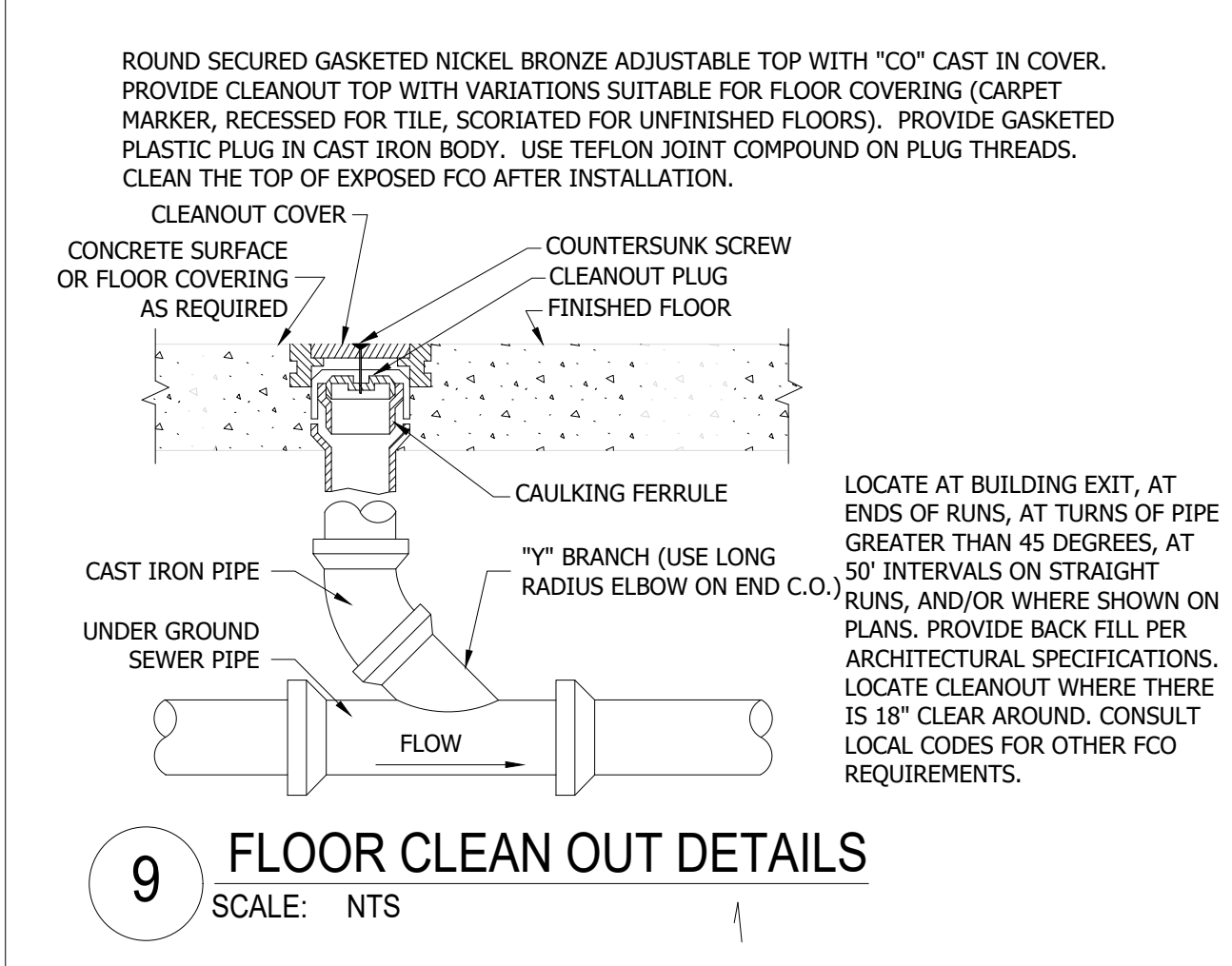
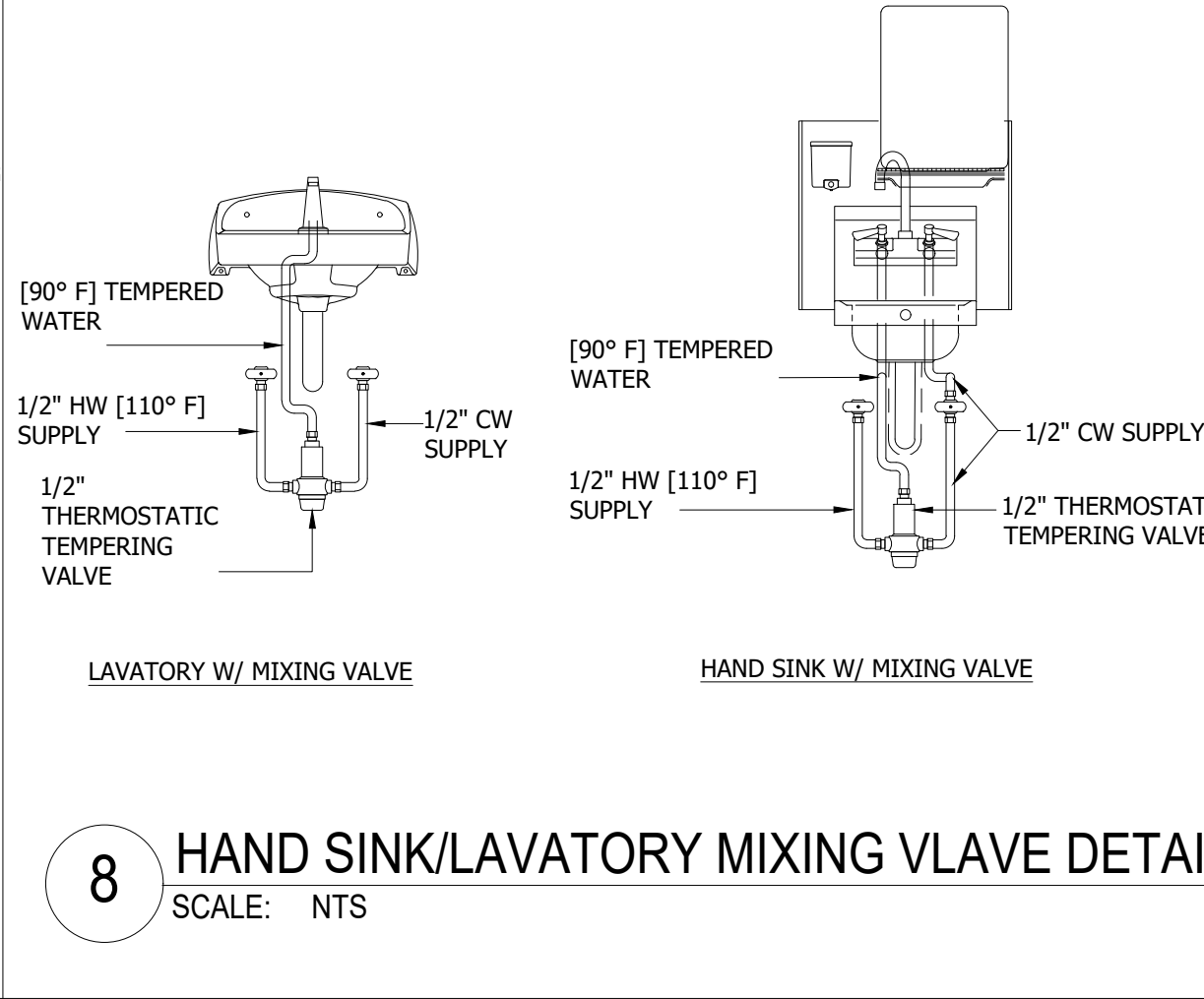
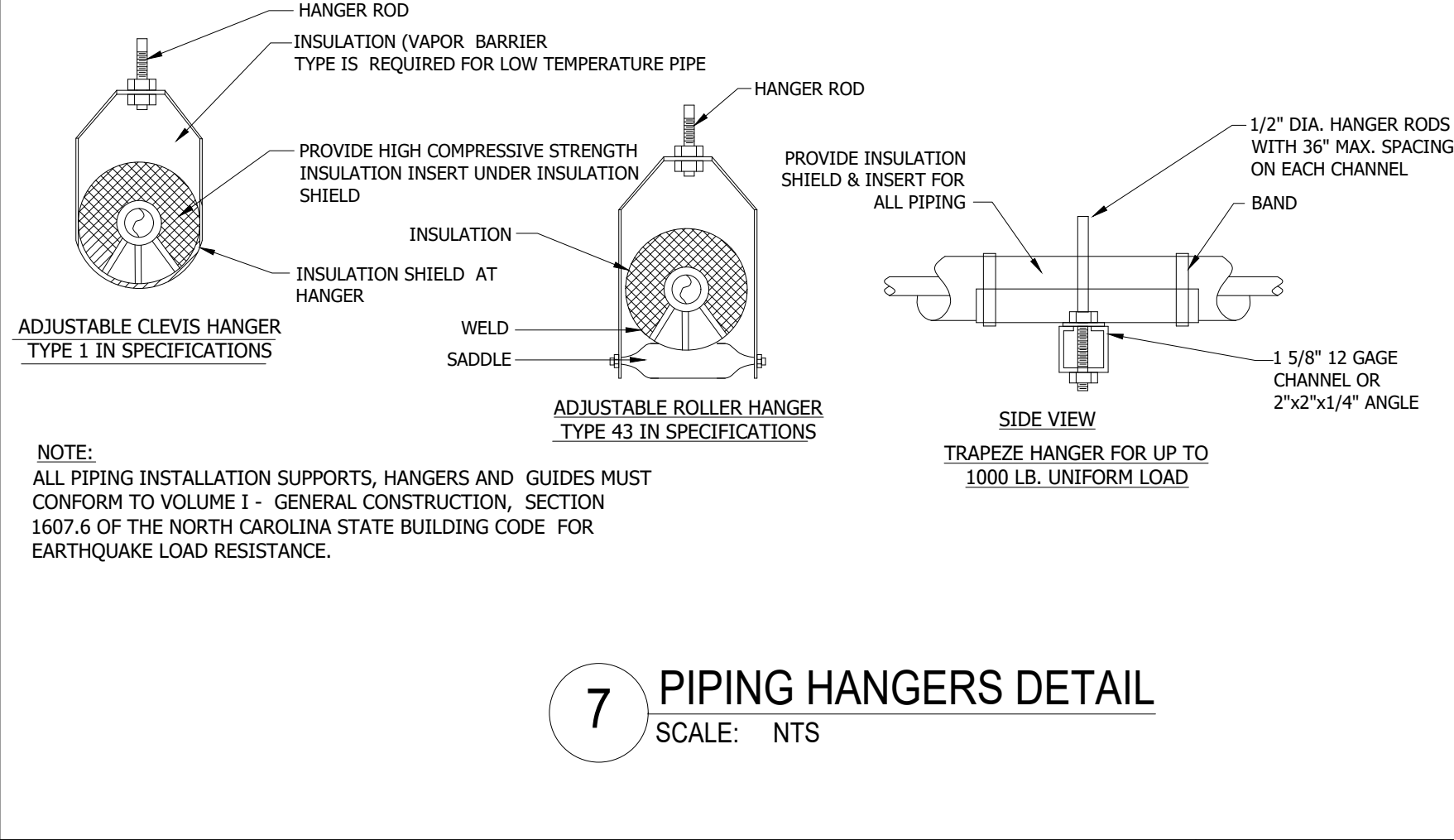
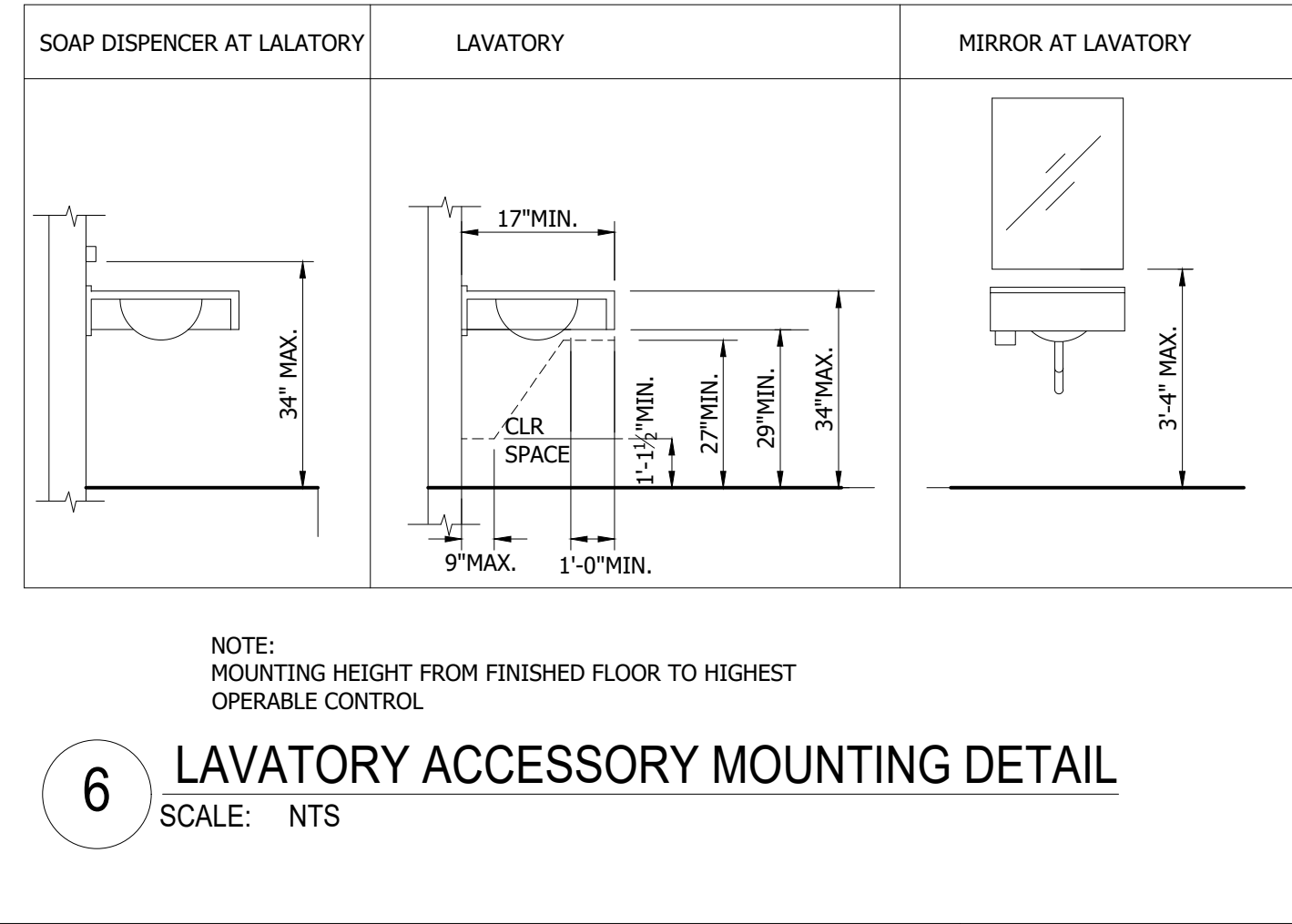
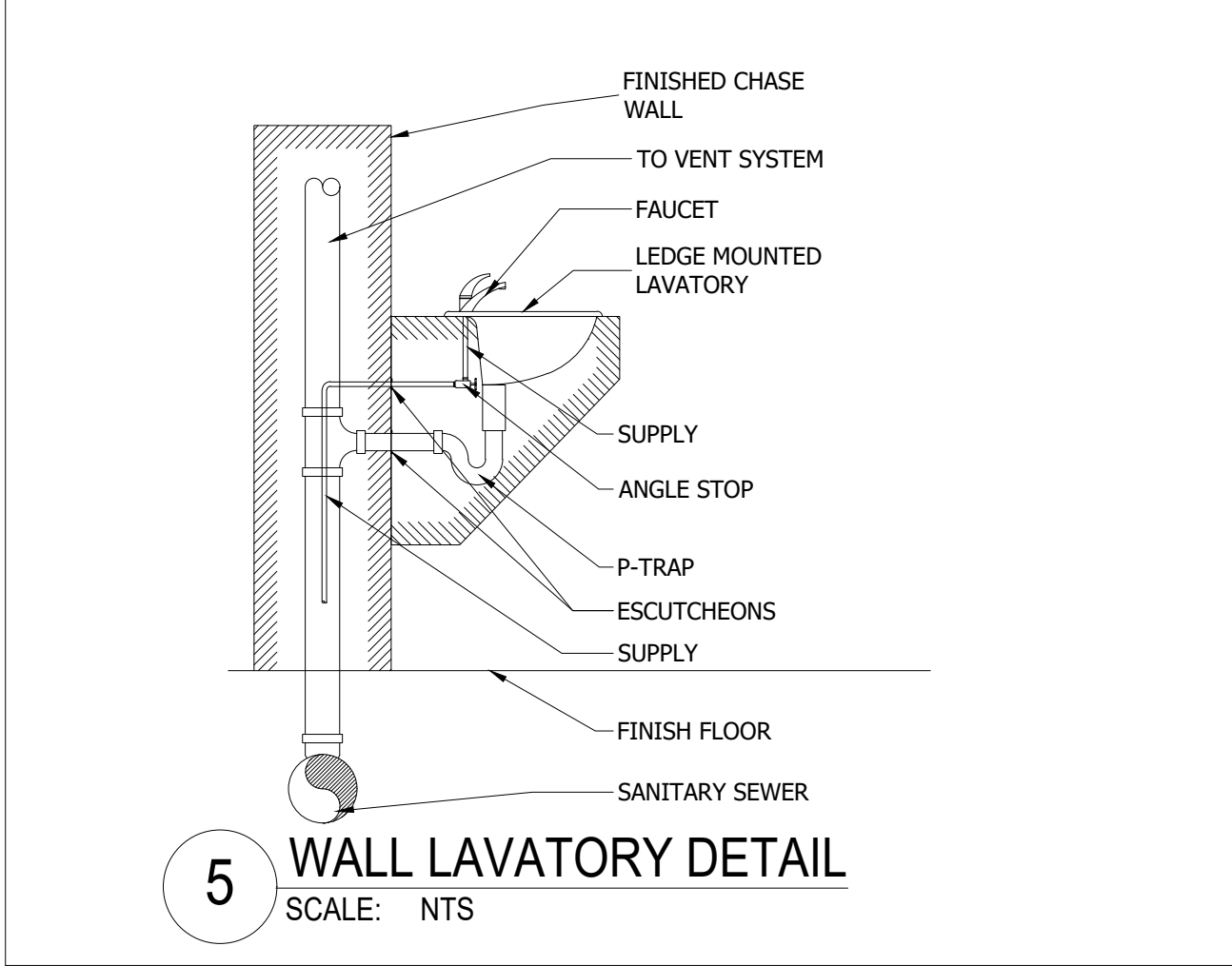
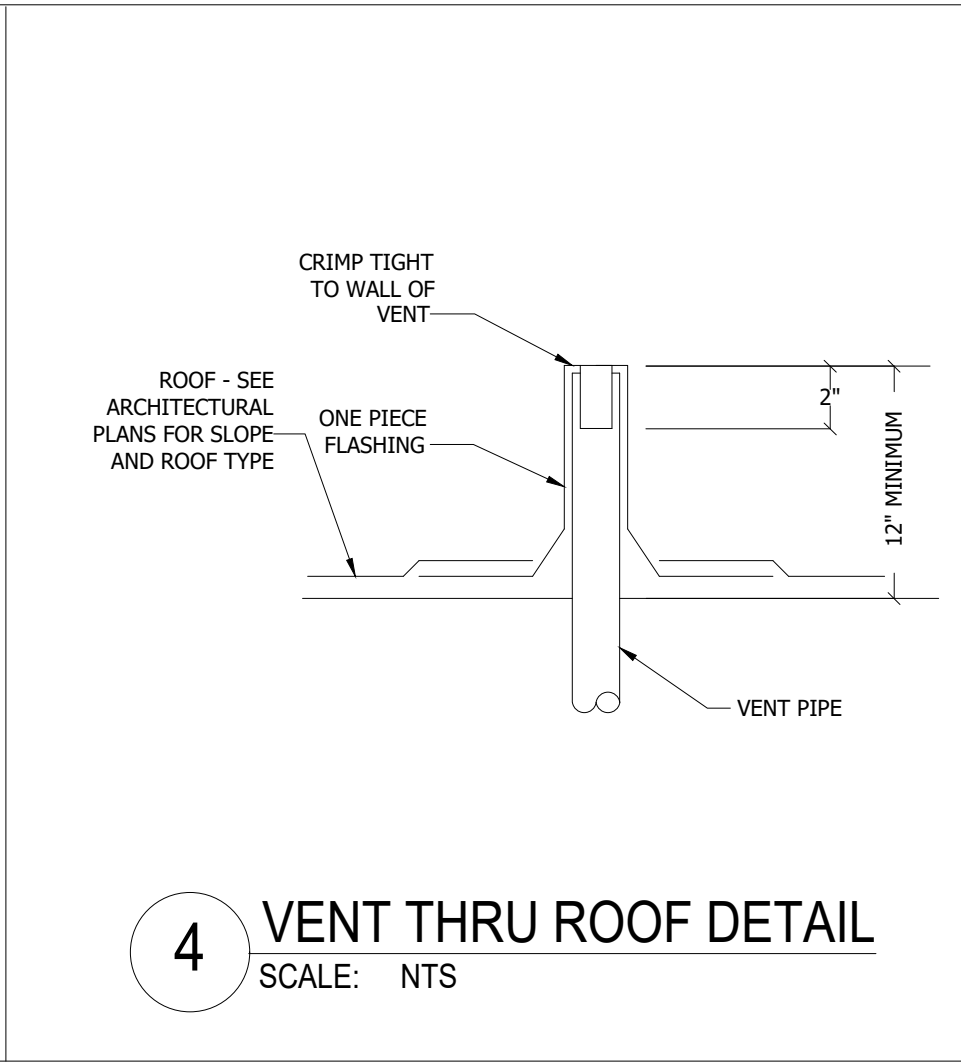
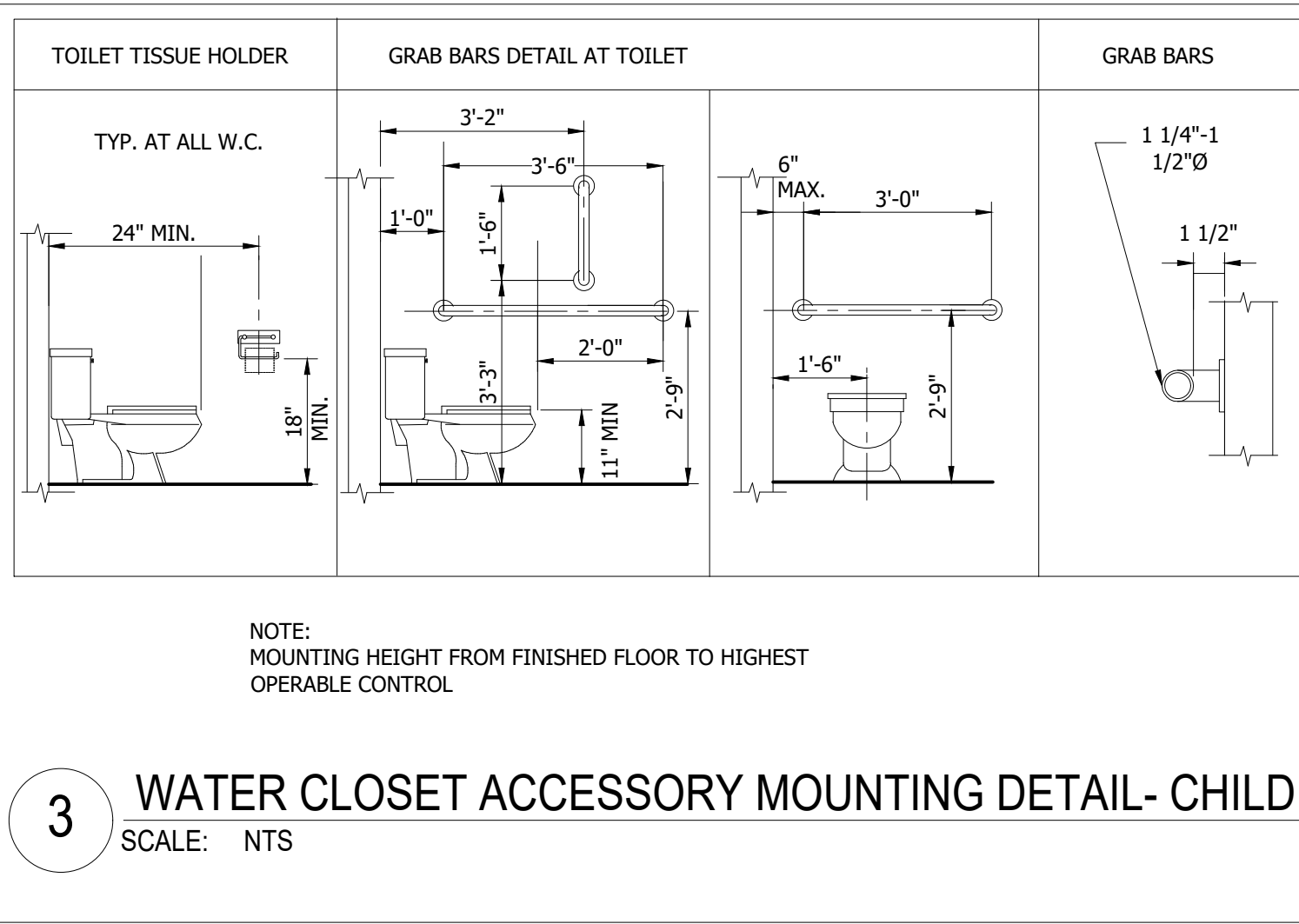
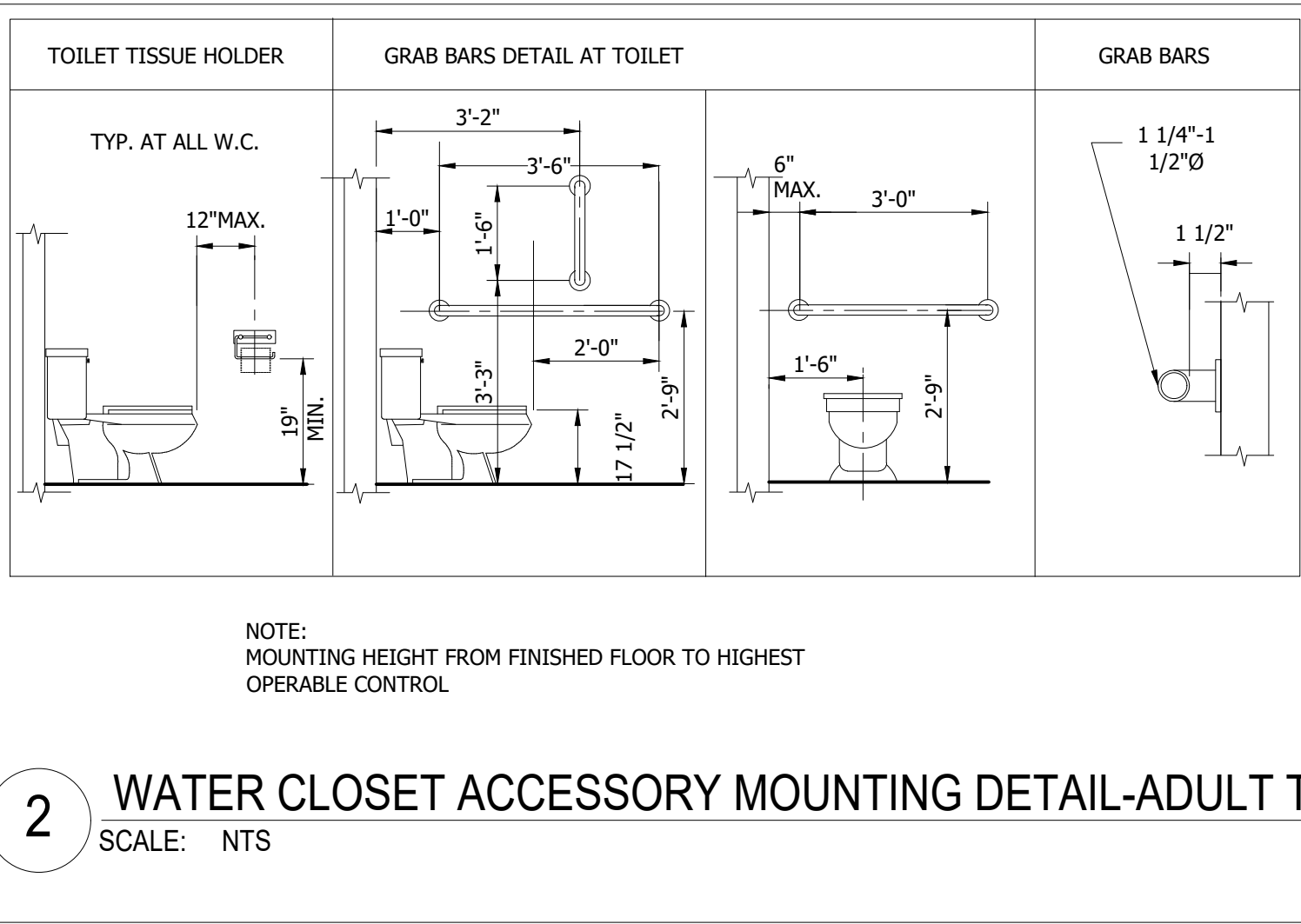
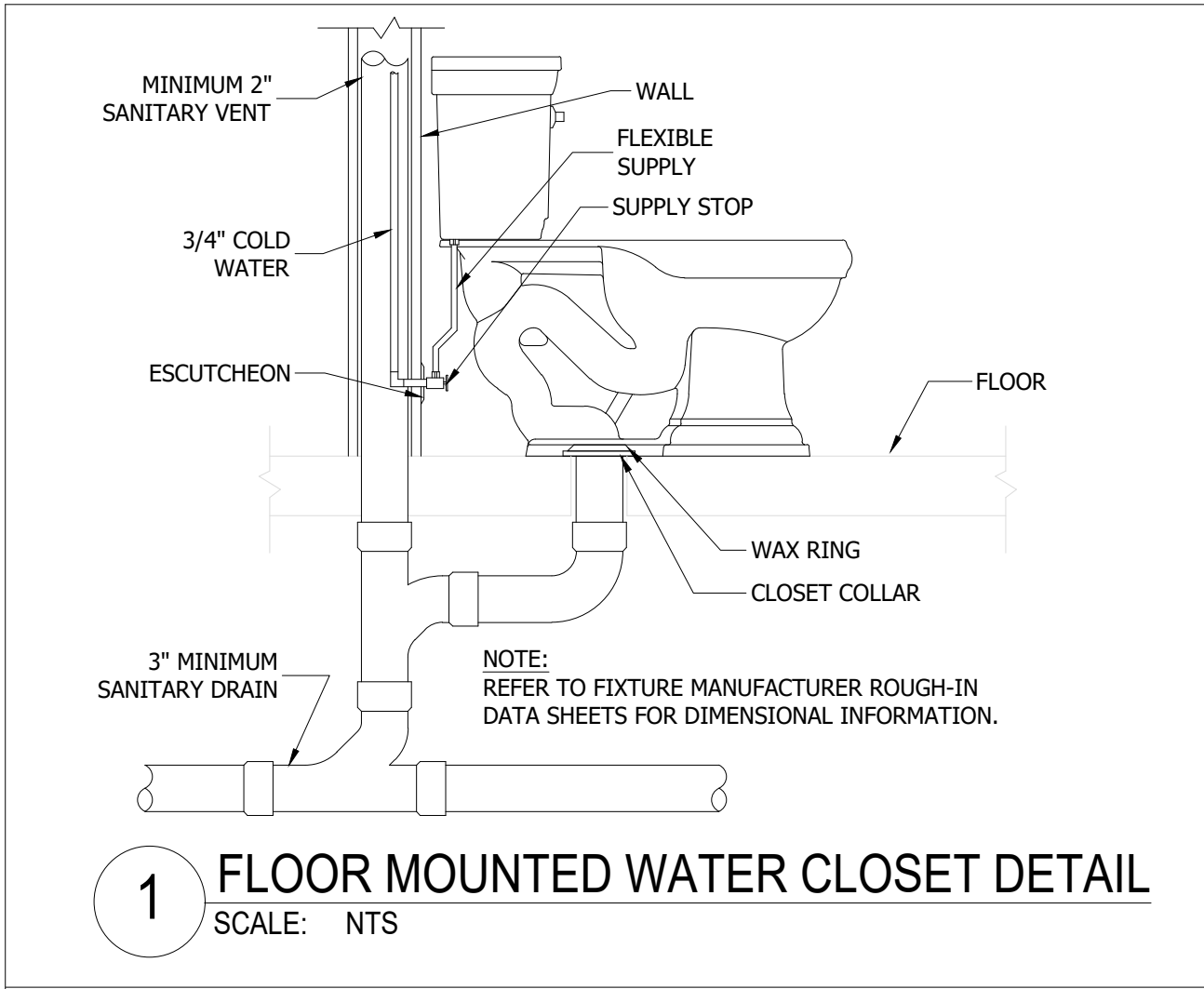
PLUMBING

06/18/26

AFREYA'S PLAYGROUND

12082 NC HWY. 42, FUQUAY VARINA, NC 27526

PLUMBING COVERSHEET



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AFREYA'S PLAYGROUND
12082 NC HWY. 42, FUQUAY VARINA, NC 27526
PLUMBING DETAILS

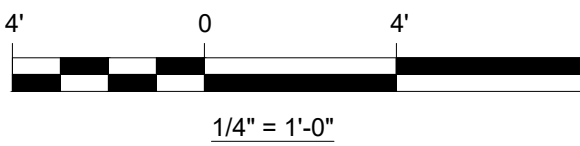
DATE:	04-10-26
SCALE:	AS SHOWN
DRAWN:	HCS
JOB:	2026-011
SHEET	P2
OF	SHEETS

1 PLUMBING DEMOLITION PLAN
SCALE: 1/4"=1'-0"



PLUMBING DEMOLITION NOTES

- (PD-1) REMOVE WATER CLOSET, ASSOCIATED WATER, WASTE AND VENT PIPING.
- (PD-2) REMOVE LAVATORY, ASSOCIATED WATER, WASTE AND VENT PIPING.
- (PD-3) REMOVE BATH TUB, ASSOCIATED WATER, WASTE AND VENT PIPING.
- (PD-4) REMOVE SHOWER FAUCET, ASSOCIATED WATER, WASTE AND VENT PIPING.
- (PD-5) FIELD VERIFY AND REPLACE EXISTING WATER LINE WITH NEW 1" LINE FROM WATER METER. COORDINATE WITH UTILITY COMPANY.
- (PD-6) FIELD VERIFY AND REMOVE EXPANSION TANK FROM CRAWL SPACE. REMOVE ALL WATER PIPING FROM CRAWL SPACE.
- (PD-7) REMOVE SANITARY WASTE UP TO THE EXISTING SEPTIC TANK.
- (PD-8) REMOVE ALL SANITARY WASTE PIPING FROM THE CRAWL SPACE.
- (PD-9) REMOVE EXISTING KITCHEN SINK. REMOVE ALL PIPING.
- (PD-10) REMOVE EXISTING WATER AND WASTE PIPING ASSOCIATED WITH DISHWASHER.
- (PD-11) REMOVE EXISTING WATER PIPING ASSOCIATED WITH REFRIGERATOR.



GRAPHIC SCALE

REVISIONS	BY
R1 05-11-2026	HCS

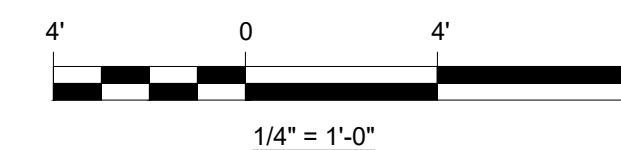
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GREENTECH LICENSE # C-2720



AFREYA'S PLAYGROUND
12082 NC HWY. 42, FUQUAY VARINA, NC 27526
PLUMBING DEMOLITION PLAN

DATE:	04-10-26
SCALE:	AS SHOWN
DRAWN:	HCS
JOB:	2026-011
SHEET	P3
OF	SHEETS

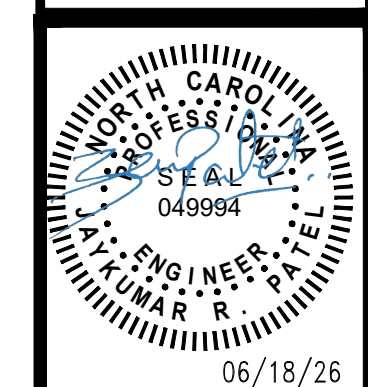
1 PLUMBING WATER PLAN
SCALE: 1/4"=1'-0"



GRAPHIC SCALE

REVISIONS	BY
R1 05-11-2026	HCS
R2 06-18-2026	HCS

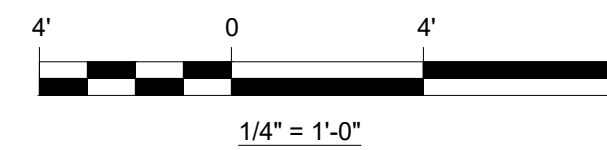
GreenTech Consulting, Inc.
BUILDING SYSTEMS ENGINEERING
300 MORRISVILLE SQUARE WAY, SUITE 103
MORRISVILLE, NC 27650
Phone: 703.681.9136
Fax: 703.681.9137
www.greentech-engineering.com
GREENTECH LICENSE # C-2720



AFREYA'S PLAYGROUND
12082 NC HWY. 42, FUQUAY VARINA, NC 27526
PLUMBING WATER PLAN

DATE:	04-10-26
SCALE:	AS SHOWN
DRAWN:	HCS
JOB:	2026-011
SHEET	P4
OF	SHEETS

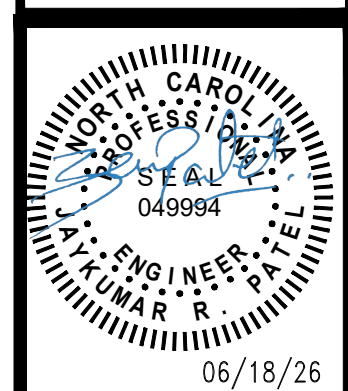
1 PLUMBING WASTE PLAN
SCALE: 1/4"=1'-0"



GRAPHIC SCALE

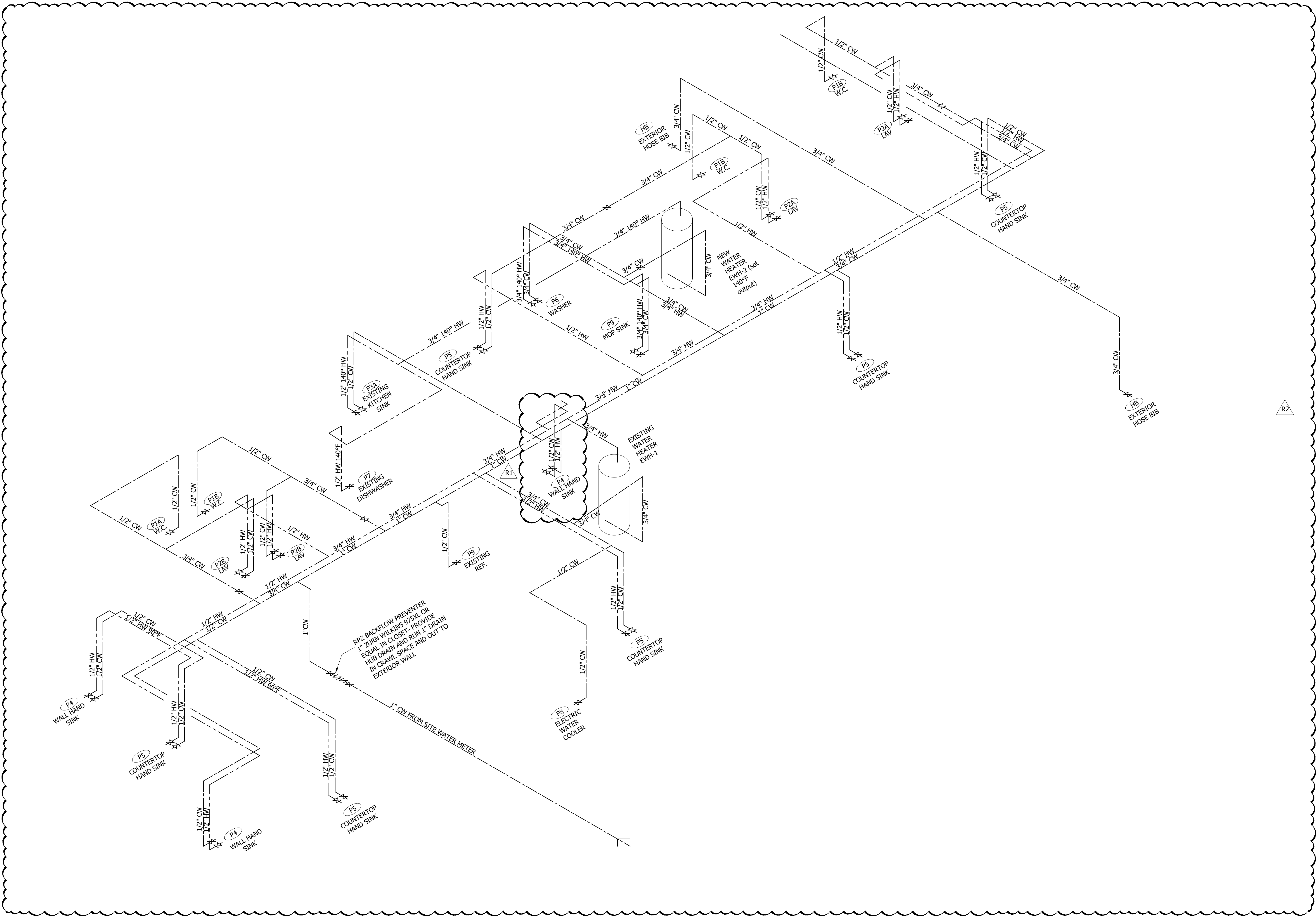
REVISIONS	BY
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R2 06-18-2026	HCS

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AFREYA'S PLAYGROUND
12082 NC HWY. 42, FUQUAY VARINA, NC 27526
PLUMBING WASTE PLAN

DATE:	04-10-26
SCALE:	AS SHOWN
DRAWN:	HCS
JOB:	2026-011
SHEET	P5
OF	SHEETS



1 PLUMBING WATER RISER
SCALE: NTS

REVISIONS	BY
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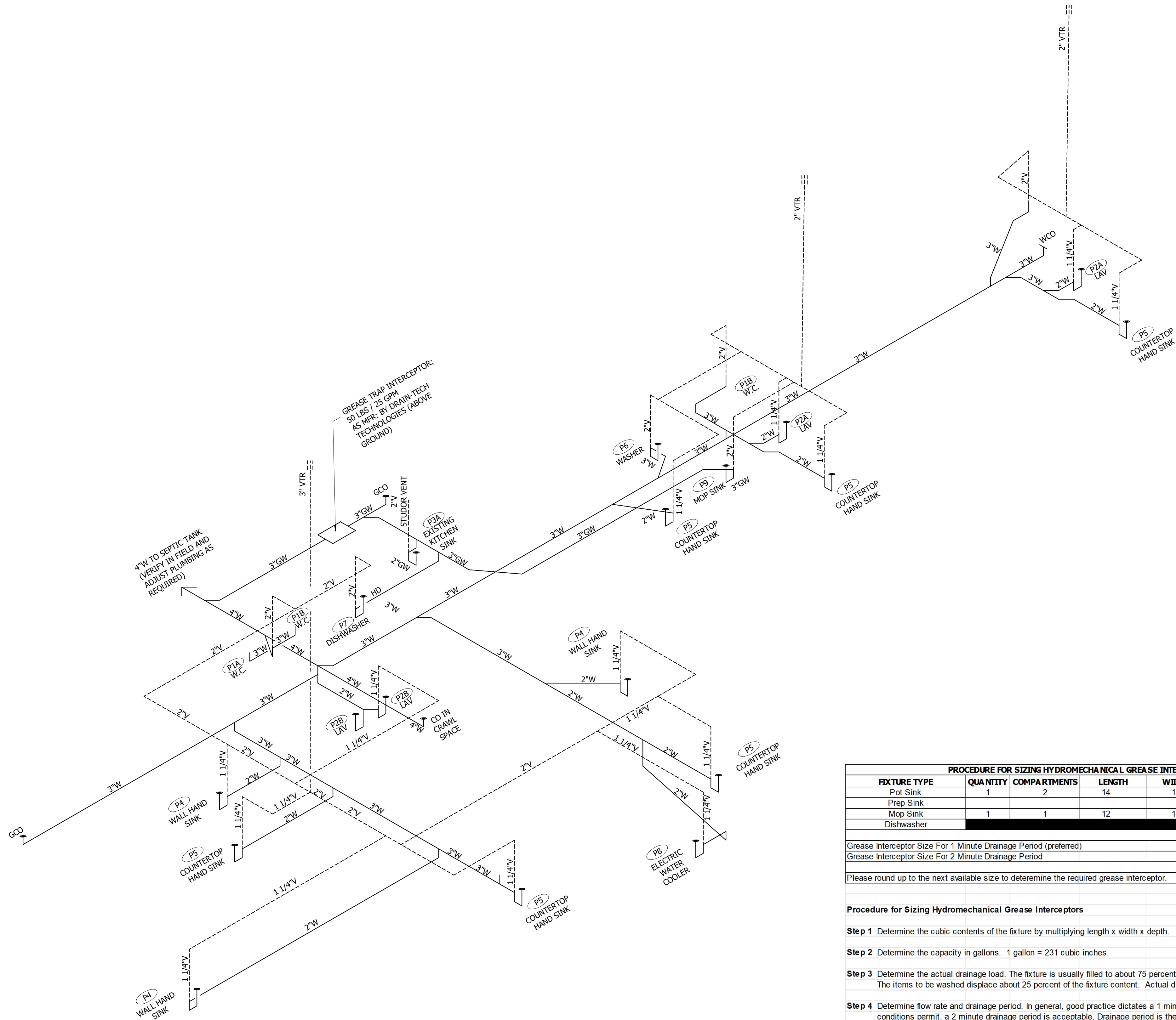
06/18/26

AFREYA'S PLAYGROUND
12082 NC HWY. 42, FUQUAY VARINA, NC 27526
PLUMBING WATER RISER

DATE:	04-10-26
SCALE:	AS SHOWN
DRAWN:	HCS
JOB:	2026-011
SHEET	P6
OF	SHEETS

1 PLUMBING WASTE RISER

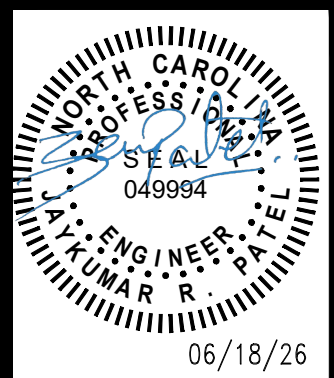
SCALE: NTS



PROCEDURE FOR SIZING HYDROMECHANICAL GREASE INTERCEPTORS						
FIXTURE TYPE	QUANTITY	COMPARTMENTS	LENGTH	WIDTH	HEIGHT	INCH ³
Pot Sink	1	2	14		9	4536
Prep Sink						0
Mop Sink	1	1	12	12	12	1728
Dishwasher						
Grease Interceptor Size For 1 Minute Drainage Period (preferred)					20	GPM
Grease Interceptor Size For 2 Minute Drainage Period					10	GPM
Please round up to the next available size to determine the required grease interceptor.					25	GPM
Procedure for Sizing Hydromechanical Grease Interceptors						
Step 1 Determine the cubic contents of the fixture by multiplying length x width x depth.						
Step 2 Determine the capacity in gallons. 1 gallon = 231 cubic inches.						
Step 3 Determine the actual drainage load. The fixture is usually filled to about 75 percent of capacity with wastewater. The items to be washed displace about 25 percent of the fixture content. Actual drainage load = .75 x (fixture capacity)						
Step 4 Determine flow rate and drainage period. In general, good practice dictates a 1 minute drainage period; however, where conditions permit, a 2 minute drainage period is acceptable. Drainage period is the actual time required to completely drain the fixture						
Step 5 Add the manufacturers rated discharge rate for the dishwasher.						
Step 6 Select the grease separation device that matches the calculated design flow rate.						

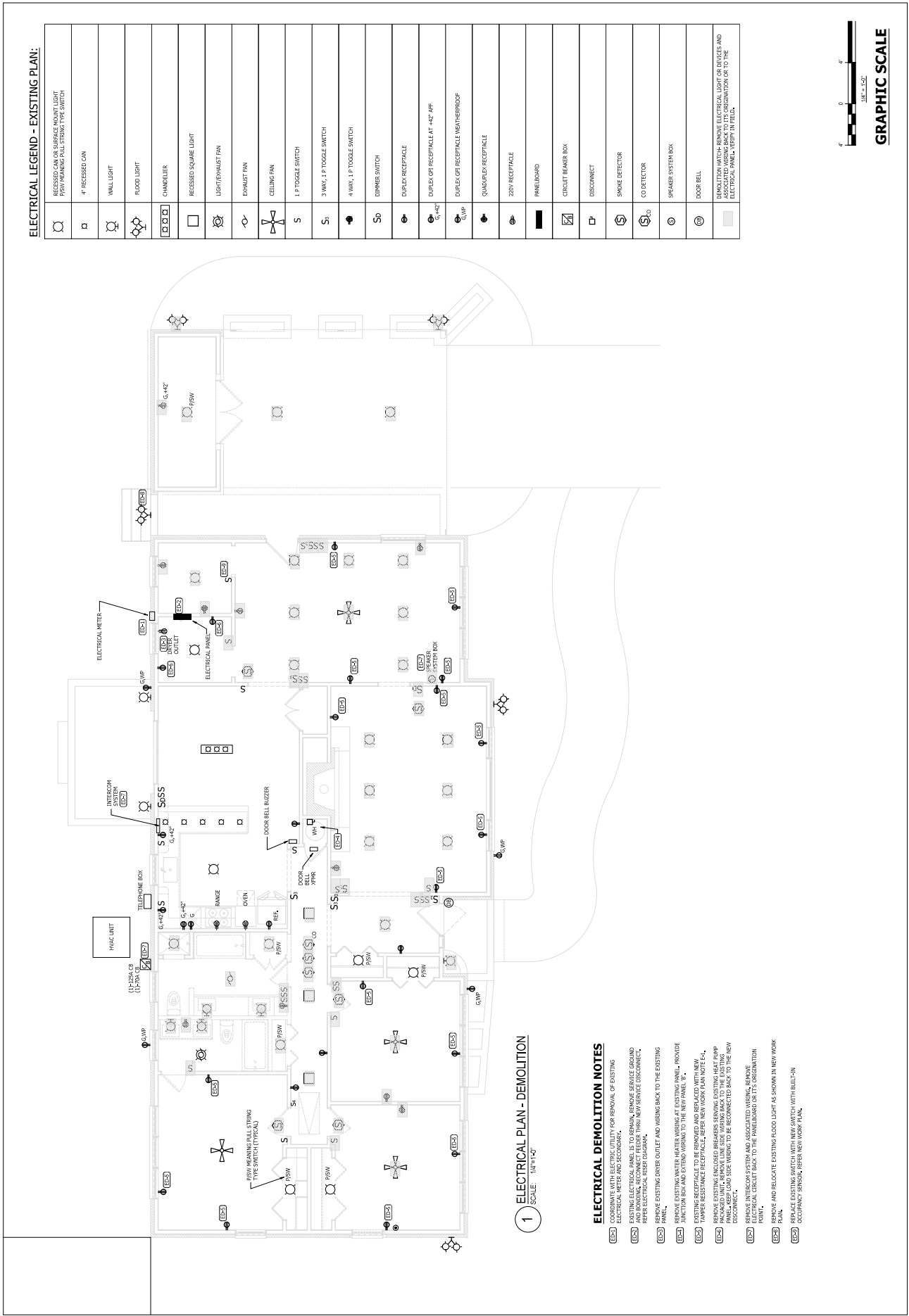
REVISIONS	BY
R1 05-11-2026	HCS
R2 06-18-2026	HCS

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AFREYA'S PLAYGROUND
12082 NC HWY. 42, FUQUAY VARINA, NC 27526
PLUMBING WASTE RISER

DATE:	04-10-26
SCALE:	AS SHOWN
DRAWN:	HCS
JOB:	2026-011
SHEET	P7
OF	SHEETS



REVISIONS	BY	DATE
1	AS	04-10-26

12082 NC HWY. 42, FLOQUAY VARINA, NC 27526	FA2
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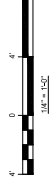
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 30 HERRINGVILLE ROAD, SUITE 100
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 green@greentech.com
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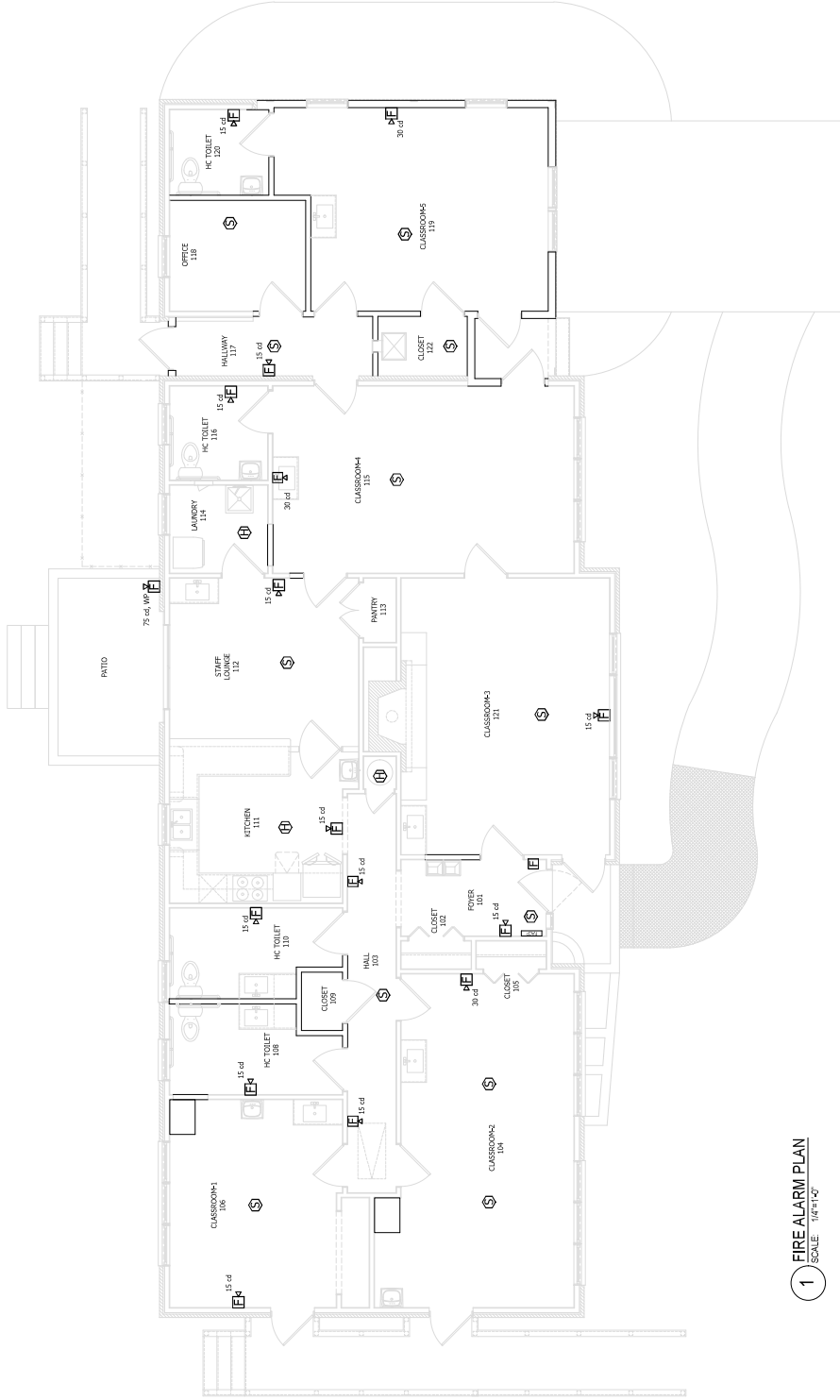
9/1/19

FIRE ALARM PLAN
 12082 NC HWY. 42, FLOQUAY VARINA, NC 27526

DATE: 04-10-26	SCALE: AS SHOWN
DRAWN: HCS	JOB: 2026-011
SHEET	OF SHEETS



GRAPHIC SCALE



1 FIRE ALARM PLAN
 SCALE 1/4"=1'-0"