



Building Permit Application

Howard County Maryland
Department of Inspections, Licenses and Permits
3430 Court House Drive
Permits: 410-313-2455
www.howardcountymd.gov

DILP 2018 OCT 27 PM 3:31

Date Received: _____

Permit No.: B18003745

Building Address: 7421 Haven Court
 City: Higland State: MD Zip Code: 20777
 Suite/Apt. #: _____ SDP/WP/BA #: GP-19-032, F17017
 Census Tract: _____ Subdivision: Estates at School
 Section: _____ Area: _____ Lot: 7
 Tax-Map: 40 Parcel: _____ Grid: 11
 Zoning: RR-20 Map Coordinates: _____ Lot Size: 59,996 SF
 Existing Use: Vacant Lot
 Proposed Use: Single Family Home
 Estimated Construction Cost: \$ 207,343
 Description of Work: Retrofit mold up @ 2-story
constr. masonry, 3-rdr, porch, 2 story full
brnt, 14R, 3PB, 1HB, 2SP, porch 300 sq. ft. (500)
 Occupant/Tenant Name: _____
 Was tenant space previously occupied? Yes No
 Contact Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Property Owner's Name: Williamsburg Homes
 Address: 5405 Fairfax Lane #200
 City: Columbia State: MD Zip Code: 21044
 Phone: 410-997-8900 Fax: _____
 Email: marina.morris@williamsburgjlc.com
 Applicant's Name & Mailing Address, (If other than stated herein)
 Applicant's Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____
 Contractor Company: _____
 Contact Person: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 License No.: 155
 Phone: _____ Fax: _____
 Email: _____
 Engineer/Architect Company: _____
 Responsible Design Prof.: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Commercial Building Characteristics	Residential Building Characteristics
Height: _____	<input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse
No. of stories: _____	Depth Width
Gross area, sq. ft./floor: _____	1 st floor: _____
Area of construction (sq. ft.): _____	2 nd floor: _____
Use group: _____	Basement: _____
Construction type:	<input type="checkbox"/> Finished Basement
<input type="checkbox"/> Reinforced Concrete	<input checked="" type="checkbox"/> Unfinished Basement
<input type="checkbox"/> Structural Steel	<input type="checkbox"/> Crawl Space
<input type="checkbox"/> Masonry	<input type="checkbox"/> Slab on Grade
<input type="checkbox"/> Wood Frame	No. of Bedrooms: <u>5</u>
<input type="checkbox"/> State Certified Modular	Multi-family Dwelling
	No. of efficiency units: _____
	No. of 1 BR units: _____
	No. of 2 BR units: _____
	No. of 3 BR units: _____
	Other Structure: _____
	Dimensions: _____
Roadside Tree Project Permit	Footings: _____
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roof: _____
Roadside Tree Project Permit #	<input type="checkbox"/> State Certified Modular
	<input type="checkbox"/> Manufactured Home

Utilities	
Electric: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Gas: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Water Supply	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Sewage Disposal	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Heating System	
<input checked="" type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input checked="" type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
Sprinkler System:	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Grading Permit Number:	<u>G1800027</u>
Building Shell Permit Number:	<u>GP 19032</u>

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: [Signature]
 Email Address: williamsburgjlc.com
 Title/Company: _____

Print Name: Marina Morris
 Date: 10/26/18

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
 PLEASE WRITE NEATLY & LEGIBLY
 -FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	<u>12/17/18</u>	<u>[Signature]</u>

Is Sediment Control approval required for issuance? Yes No
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION
Front: <u>30</u>
Rear: <u>30</u>
Side: <u>10</u>
Side St.: _____
All minimum setbacks met? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required? <input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District? <input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone: _____
SDP/Red-line approval date: _____

Filing Fee	\$ <u>100</u>
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$ <u>50</u>
Add'l per Fee	\$
Total Fees	\$
Sub- Total Paid	\$
Balance Due	\$
Check	# <u>096075</u>

**COMPLETE THIS FORM WHEN DROPPING OFF ANY
CORRESPONDENCE AND/OR PLANS TO THE HOWARD COUNTY
DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS COUNTER:**

Date: 12/11/18
To: HEALTH DEPT
(Person's Name and Division)
From: Marina Morris, Williamsburg Homes (410) 997-8800
(Your Name, Company Name and Telephone Number)
Subject: Project name Estates at Schooley Mill
Project site address 7421 Hauen Court, Highland, MD 20777
Permit # B18603745 SDP # _____
Other information pertinent to this project _____

- Please check the attachments below that you are submitting with this transmittal:
- Letter of response to address plan review comment letter
 - Revised plans and/or revised details: When submitting for a complete re-review, **duplicate sets shall be submitted.**
 - Letter Summarizing Changes
 - Energy conservation calculations
 - Copies of plot plan (be specific).
 - Health Department Request
 - DPZ/ DED Request
 - Applicant's Request
 - Two sets of single family dwelling model plans to be placed on permanent file: Model name and/or # _____
 - Other _____

Contact Person Information: (Required)

Marina Morris/Bill McBride
Please Print Name

Telephone No: 410-997-8800

E-Mail Address: marinamorris@williamsburgllc.com
BillMcBride@williamsburgllc.com

PLEASE ASSURE ALL DOCUMENTS AND/OR REVISIONS ARE APPROPRIATELY SIGNED AND SEALED, IF NECESSARY, BY A LICENSED ARCHITECT OR ENGINEER. PLEASE BE ADVISED THAT INSUFFICIENT INFORMATION MAY RESULT IN THE DELAY OF REVIEW BY THE PLANS EXAMINER. THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS WILL CONTACT YOU IF THERE IS A PROBLEM. IN ADDITION, ONCE THE BUILDING PERMIT IS APPROVED BY THE PLAN REVIEW DIVISION AND ALL OTHER REQUIRED SIGNATORY AGENCIES, AND THE BUILDING PERMIT IS READY FOR ISSUANCE, THE PERMIT DIVISION WILL NOTIFY THE APPROPRIATE CONTACT PERSON FOR PERMIT PICK UP. ALL PERMIT STATUS INQUIRIES SHALL BE DIRECTED TO THE PERMIT DIVISION AT 410-313-2455. CODE RELATED QUESTIONS AND PLAN REVIEW INQUIRIES SHALL BE DIRECTED TO THE PLAN REVIEW DIVISION AT 410-313-2436. PLEASE ALLOW A MINIMUM OF FIVE (5) WORKING DAYS FOR ANY PLAN SUBMITTALS TO BE REVIEWED. THANK YOU.

Received by LJA

RECEIVED
DEC 11 2018

Revised Plot (to scale) for Health PER Bob Bricker
no fee per C.Amet

Maura J. Rossman, M.D., Health Officer

Date: November 30, 2018

To: Marina Morris, Williamsburg Homes
marinamorris@williamsburgllc.com

From: Robert Bricker, REHS/R.S., L.E.H.S.
Environmental Sanitarian II, Well and Septic Program
Howard County Bureau of Environmental Health

RE: B18003745 (7421 Haven Court), 'On Hold'

Dear Ms. Morris,

I have reviewed the proposal (B18003745) to construct a residence at Estates at Schooley Mill, Lot 7 (7421 Haven Court), and I have assigned a status of **On-Hold** for the proposal. A revision of a Plot Plan is required. The Plot Plan must be presented at scale on an appropriately sized sheet of paper.

Submit the amended Plot Plan directly to the Department of Inspections, Licenses, and Permits with a formal Revision Sheet indicating Plot Plan revision required by the 'Health Dept'. They will scan the Plot Plan and Revision Sheet, and then send them to us.

If you have questions concerning this communication or the stated requirements, you may contact me by phone (410-313-2691) or by 'Reply' to my email.

RB

Copy: file

The Rutledge

Williamsburg Group, LLC
 5485 Harpers Farm Rd. #200
 Columbia, MD 21044
 (410) 997- 8800

INDEX OF DRAWINGS			
COVER SHEET			
D1	WALL SECTIONS	5A	PARTIAL PLANS ELEV.2
D2	AREAWAY DETAILS	5B	PARTIAL PLANS ELEV.3
D3	GENERAL REQUIREMENTS	5C	PARTIAL PLANS ELEV.4
D4	SHEAR WALL DETAILS & LOCATIONS	5D	PARTIAL PLANS ELEV.5
		5E	PARTIAL PLANS ELEV.6
1A	ELEV. 1 STANDARD	6	SECTION A
1B	ELEV. 1 W/ CONSERVATORY	7	SECTION B
1C	ELEV. 2		
1D	ELEV. 3	8A	TWO STORY ADDITION
1E	ELEV. 4	8B	MORNING RM.
1F	ELEV. 5	8C	CONSERVATORY
1G	ELEV. 6	8D	OPT. SECOND FL. FAMILY RM.
		8E	OPT. ELEVATOR
2A	BASEMENT/FOUNDATION PLAN	8F	OPT. WALL OF WINDOWS
2B	FINISHED BASEMENT PLAN	8G	THREE CAR SIDE LOAD
3A	FIRST FLOOR PLAN	8H	GRADE BEAM DETAILS
4A	SECOND FLOOR PLAN	8I	SEPERATE GARAGE ELEV
		8J	SEPERATE GARAGE PLAN

PROJECT DATA	
CONSTRUCTION:	
GROUND FLOOR	CONCRETE
FIRST FLOOR	WOOD
SECOND FLOOR	WOOD
ROOF	WOOD
WALLS	WOOD
BUILDING AREA:	
FIRST FLOOR:	2780 SQ. FT.
SECOND FLOOR:	2416 SQ. FT.
TOTAL:	5196 SQ. FT.

PROJECT DESIGN CRITERIA		
THE FOLLOWING STANDARDS ARE BASED ON THE GENERAL REQUIREMENTS OF THE INTERNATIONAL RESIDENTIAL CODE (IRC) 2015 EDITION FOR ONE AND TWO FAMILY DWELLINGS & ALL STATE AND LOCAL AMENDMENTS. CONSTRUCTION CLASSIFICATION TYPE: 5B (UNPROTECTED). USE GROUP: R3		
2015 IECC CODE COMPLIANCE		BUILDING DATA
CODE SECTION	STANDARD (MINIMUM)	CLIMATE & GEOGRAPHIC DESIGN CRITERIA
R301.1 CLIMATE ZONE	4A	FLOOR LIVE LOAD 40 PSF
R401.2 COMPLIANCE METHOD	MANDATORY AND PRESCRIPTIVE PROVISIONS	ROOF LIVE LOAD 30 PSF
R402.1.1 VAPOR RETARDER:	WALL ASSEMBLIES IN THE THERMAL ENVELOPE SHALL COMPLY WITH VAPOR RETARDER REQUIREMENTS OF SECTION R702.7 OF THE IRC 2015 R-49, R-38 WILL SATISFY THE REQUIREMENT IF FULL OVER THE TOP PLATE @ EAVES (REQUIRES RAISED HEEL TRUSSES). R-20 OR R13 + R5 CONTINUOUS INSULATION.	WIND SPEED ULTIMATE 115 MPH, EXPOSE C
R402.1.2 ATTIC INSULATION-		ATTICS W/O STORAGE 10 PSF
R402.1.2 WOOD FRAME WALL		ATTICS W/ STORAGE 20 PSF
R402.1.2 BASEMENT WALL INSULATION:	R-10 FOIL FACED CONTINUOUS, UNINTERRUPTED BATTS FULL HGT. R-13 IN CAVITY IF FINISHED.	HABITABLE ATTICS 30 PSF
R402.1.2 CRAWL SPACE WALL INSULATION:	R-10 FOIL FACED CONTINUOUS BATTS FULL HGT. EXTENDING FROM FLOOR ABOVE TO FINISH GRADE LEVEL AND THEN VERTICALLY OR HORIZONTALLY AN ADDITIONAL 2'-0". R-19 BATT INSULATION	STAIRS 40 PSF
R402.1.2 FLOOR INSULATION OVER UNCONDITIONED SPACE:		DECKS & BALCONIES(EXT) 40 PSF
R402.1.2 WINDOW U-VALUE/ SHGC	0.35 (U-VALUE) & 0.40 (SHGC)	GUARDHANDRAILS 200# (CONT.)
R402.1.10 SLAB ON GRADE FLOORS LESS THAN 12' BELOW GRADE:	R-10 RIGID FOAM BOARD UNDER SLAB EXTENDING EITHER 2'-0" HORIZONTALLY OR VERTICALLY. ATTIC ACCESS SCUTTLE WILL BE WEATHERSTRIPPED AND INSULATED R-49.	SEISMIC CATEGORY B LIGHT FRAME STRUCTURAL W/ SHEAR WALLS
R402.2.4 ATTIC ACCESS:		CONCRETE WEATHERING SEVERE
R402.4.1.2 BUILDING THERMAL ENVELOPE (AIR LEAKAGE)	EXTERIOR WALLS AND PENETRATIONS WILL BE SEALED PER THIS SECTION OF THE 2015 IECC WITH CAULK, GASKETS, WEATHERSTRIPPING OR AN AIR BARRIER OR SUITABLE MATERIAL. BUILDING ENVELOPE SHALL BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE OF NOT EXCEEDING 3 AIR CHANGES PER HOUR. TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM E 779 OR ASTM E 1827 W/ BLOWER DOOR AT A PRESSURE OF 2 INCHES W.G. TESTING SHALL BE CONDUCTED BY AN APPROVED THIRD PARTY.	TERMITE MODERATE TO HEAVY
R402.4.1.2 BUILDING ENVELOPE TEST OPTION:		DECAY PROBABILITY MODERATE
R402.4.2 FIREPLACES	NEW WOODBURNING FIREPLACES SHALL HAVE TIGHT FITTING FLUE DAMPERS AND OUTDOOR COMBUSTION AIR.	ICE UNDERLAYMENT YES
R402.4.4 FUEL-BURNING APPLIANCES	ROOMS CONTAINING FUEL BURNING APPLIANCES WHERE OPEN COMBUSTION AIR DUCTS PROVIDE COMBUSTION AIR TO OPEN COMBUSTION FUEL BURNING APPLIANCES, THE APPLIANCES AND COMBUSTION AIR SHALL BE LOCATED OUTSIDE THE BUILDING THERMAL ENVELOPE OR ENCLOSED IN A ROOM ISOLATED FROM INSIDE THE THERMAL ENVELOPE. EXCEPTIONS: 1. DIRECT VENT APPLIANCES WITH BOTH INTAKE AND EXHAUST PIPES INSTALLED CONTINUOUS TO THE OUTSIDE. FIREPLACES AND STOVES COMPLYING WITH SECTION R402.4.2 AND SECTION R1006 OF THE IRC. RECESSED LUMINAIRES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE.	FROST DEPTH 32"
R402.4.5 RECESSED LIGHTING		NOTE: MINIMUM VALUES SHOWN- CONFIRM WITH LOCAL CODE OFFICIAL PRIOR TO CONSTRUCTION.
R403.1 THERMOSTAT	ALL DWELLING UNITS WILL HAVE AT LEAST (1) PROGRAMMABLE THERMOSTAT FOR EACH SEPERATE HEATING AND COOLING SYSTEM.	
R403.1.2 HEAT PUMP SUPPLEMENTARY HEAT	WHERE A HEAT PUMP SYSTEM HAVING SUPPLEMENTARY ELECTRIC RESISTANCE HEAT IS USED THE THERMOSTAT SHALL PREVENT THE HEAT FROM COMING ON WHEN HEAT PUMP CAN MEET HEATING LOAD.	
R403.3.1 MECHANICAL DUCT INSULATION	SUPPLY & RETURN DUCTS IN ATTIC R-8 MIN. SUPPLY DUCTS OUTSIDE OF CONDITIONED SPACE R-8 MIN. ALL OTHER DUCTS EXCEPT THOSE LOCATED INSIDE THE BUILDING THERMAL ENVELOPE R-6 MIN. DUCTS LOCATED UNDER CONCRETE SLABS MUST BE R-6 MIN.	
R403.3.2 DUCT SEALING	ALL DUCTS, AIR HANDLERS AND FILTER BOXES WILL BE SEALED. JOINTS AND SEAMS WILL COMPLY WITH SECTION M1601.4.1 OF THE IRC.	
R403.6 MECHANICAL VENTILATION	A DUCT TIGHTNESS TEST (DUCT BLASTER LEAKAGE TEST) WILL BE PERFORMED ON ALL HOMES AND SHALL BE VERIFIED BY EITHER A POST CONS. TEST OR A ROUGH IN TEST. DUCT TIGHTNESS TEST IS NOT REQD. IF AIR HANDLER AND ALL DUCTS ARE LOCATED WITHIN CONDITIONED SPACE.	
403.6.1 WHOLE HOUSE MECH. VENT SYSTEM FAN EFFICIENCY	OUTDOOR AIR WILL BE BROUGHT INTO THE HOME THRU A DUCT WITH AN AUTOMATIC OR GRAVITY DAMPER TO COMPLY WITH TABLE R403.6.1.	
R403.7 EQUIPMENT SIZING		
R404.1 LIGHTING EQUIPMENT WATER HEATER MECHANICAL TESTING	SHALL COMPLY WITH R403.7 A MIN. OF 75% OF ALL LAMPS MUST BE HIGH-EFFICIENCY LAMPS. MIN EFFICIENCY ESTABLISHED BY NAECA. ALL MECH. TESTING TO BE PERFORMED BY APPROVED THIRD PARTY. THIS CONTRACTOR ALSO RESPONSIBLE FOR GENERATING CERTIFICATE OF COMPLIANCE AND AFFIXING TO ELECTRICAL PANEL.	

GENERAL NOTES

GENERAL NOTES ARE ACKNOWLEDGED AND SHALL BE ADHERED TO DURING THE CONSTRUCTION

MISC. NOTES:
 1- ALL WORK INCLUDING ALL STRUCTURAL, HVAC, ELECTRICAL AND OTHER SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES AND REGULATIONS.
 2- CONTRACTOR TO VERIFY AND COORDINATE ALL THE CONDITIONS AND DIMENSIONS AT THE SITE BEFORE BEGINNING OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO ARCHITECTURE GROUP IMMEDIATELY.
 3- ALL PRE-ENGINEERED MATERIALS, EQUIPMENT, FIXTURES, AND ETC. SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND REQUIREMENTS.
 4- PRE-ENGINEERED WOOD ROOF TRUSSES AND FLOOR JOISTS SHALL BE DESIGNED FOR THE LOAD INDICATED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF MARYLAND. SHOP DRAWINGS SHALL BE SUBMITTED TO THE COUNTY PLAN REVIEWER FOR APPROVAL PRIOR TO FABRICATION.

REVISED 6/17

Plymouth Road Architects
 640 Plymouth Road, Catonsville, MD 21229 410-788-0281

DATE:	REVISION:
DATE:	REVISION:

Date: 5/15
 Scale:
 Drawn: TIM

Drawing: COVER PAGE
 Project: WILLIAMSBURG GROUP
 THE RUTLEDGE
 ESTATE HOME

1067 RE
 Project No.

Esm007 7421 Howen Court, Highland, MD 20777

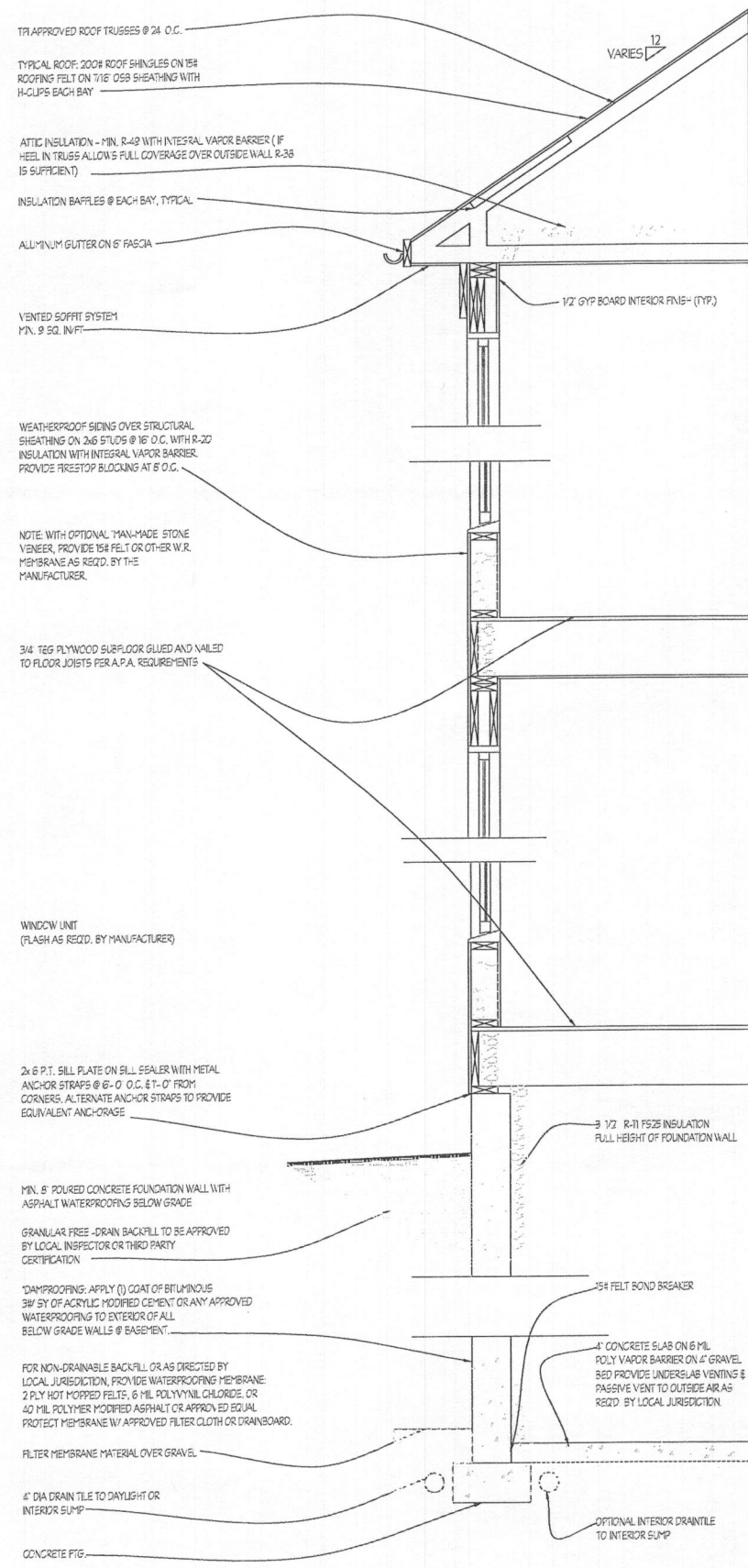
FOUNDATION DESIGN SCHEDULES

PLAIN CONCRETE WALLS			
BASED ON GROUP 1 SOILS (GV, SP, W, S)			
WALL THICKNESS	WALL HGT	MAX UNBALANCED FILL	
6"	8' OR 9'	7'	
10"	8' OR 9'	8'	
BASED ON GROUP 2 (GM, GG, SH, SM-SC, E, H) GROUP 3 (SC, ML, ML-CL, E, CL)			
WALL THICKNESS	WALL HGT	MAX UNBALANCED FILL	
6"	8' OR 9'	6'	
10"	8' OR 9'	7'	
12"	8' OR 9'	8'	

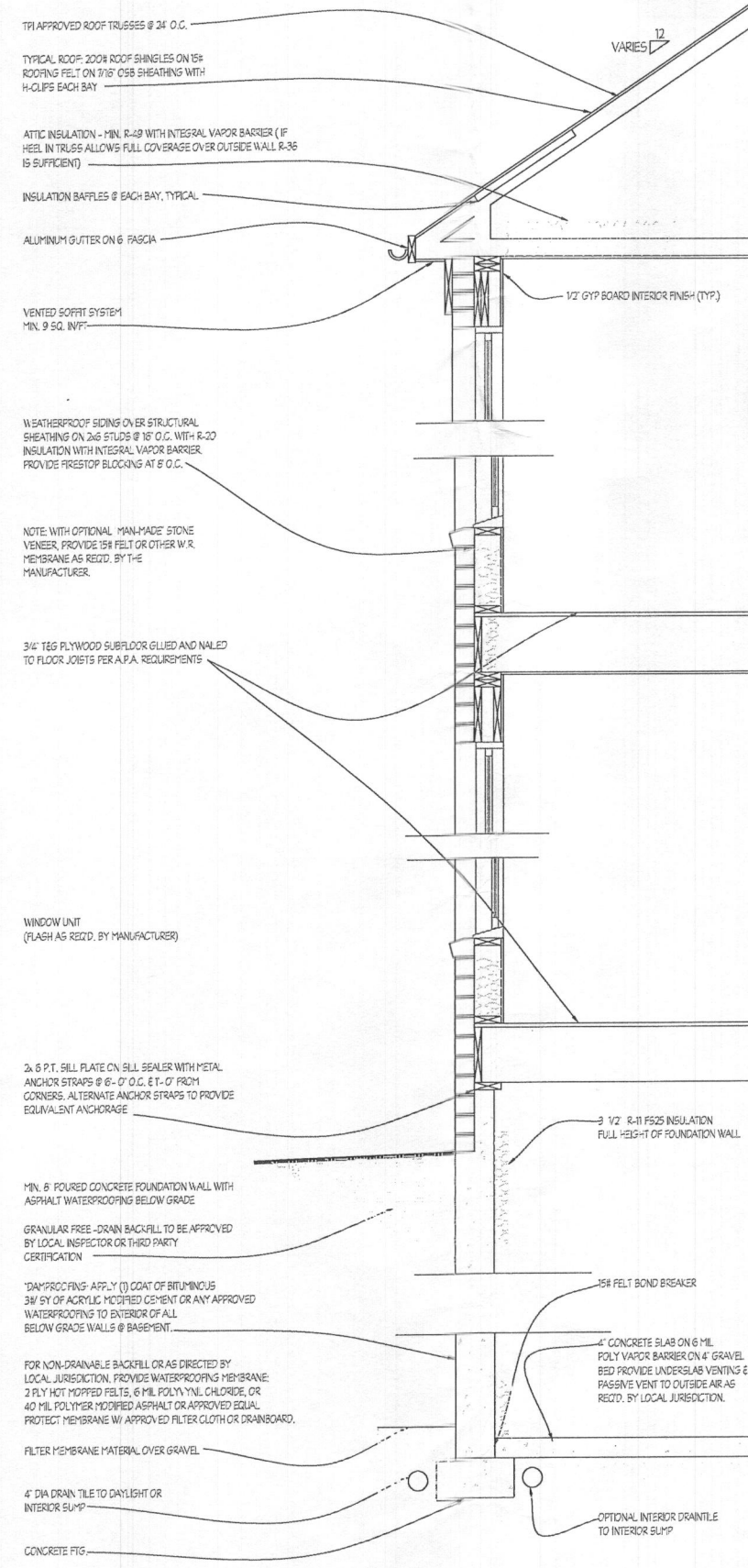
PERIMETER SPREAD FOOTINGS:		
MIN. WIDTHS BASED ON SOIL BEARING CAPACITY NOTED. MIN. THICKNESS IS 6".		
SUPPORTING	1500# PSF SOIL	2000# PSF SOIL
1 FLOOR AND ROOF	16"	16"
2 FLOORS AND ROOF	20"	16"
3 FLOORS AND ROOF	24"	16"
1 FLOOR AND ROOF W/ BRICK	20"	20"
2 FLOORS AND ROOF W/ BRICK	26"	20"
3 FLOORS AND ROOF W/ BRICK	32"	24"

PIER FOOTINGS AND COLUMNS:					
MIN. PLAN CONCRETE FOOTING SIZES BASED ON COLLUMN DESIGN LOADS AND SOIL BEARING CAPACITY NOTED:					
KEY	MAX. VERT. LOAD	MAX. COLUMN HGT.	COLUMN SIZE	1500# PSF SOIL FTG.	2000# PSF SOIL FTG.
A	13,400#	100'	3' 11" dia.	36"x36"x16"	37"x37"x16"
B	17,500#	100'	3' 5" dia.	42"x42"x20"	36"x36"x16"
C	21,500#	100'	4' 11" dia.	48"x48"x22"	40"x40"x16"
D	32,400#	100'	3' 5" dia.	56"x56"x26"	50"x50"x24"

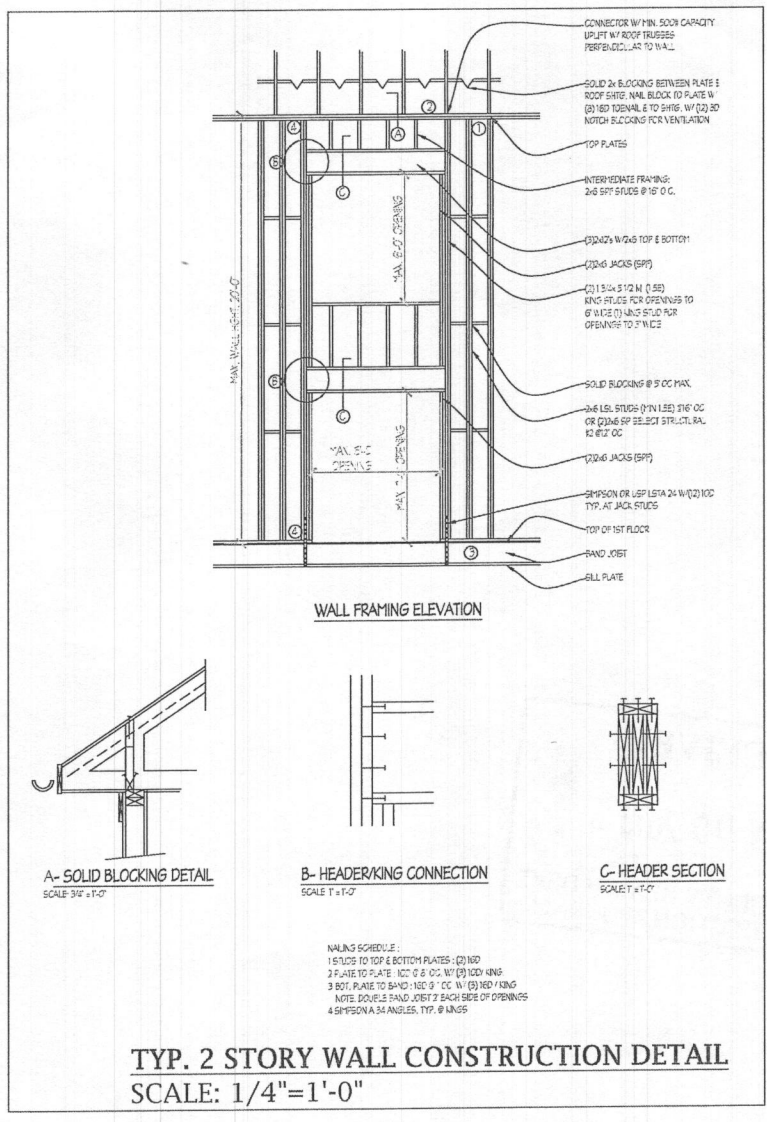
NOTE: FTG. DEPTHS MAYBE REDUCED TO MIN. 12" THICKNESS W/ REIN. : #5 BARS @ 8" O.C. EACH WAY, 3' FROM BOTTOM



WALL SECTION W/ SIDING
SCALE: 3/4"=1'-0"



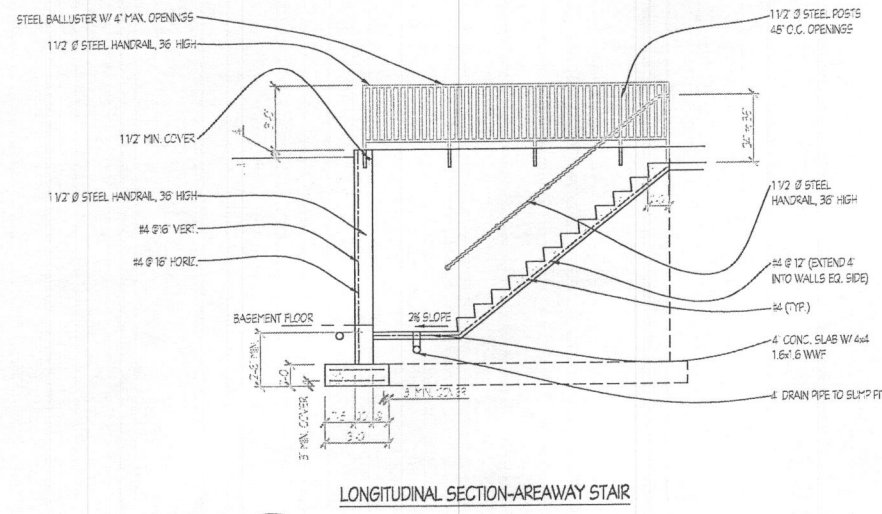
WALL SECTION W/ BRICK VENEER
SCALE: 3/4"=1'-0"



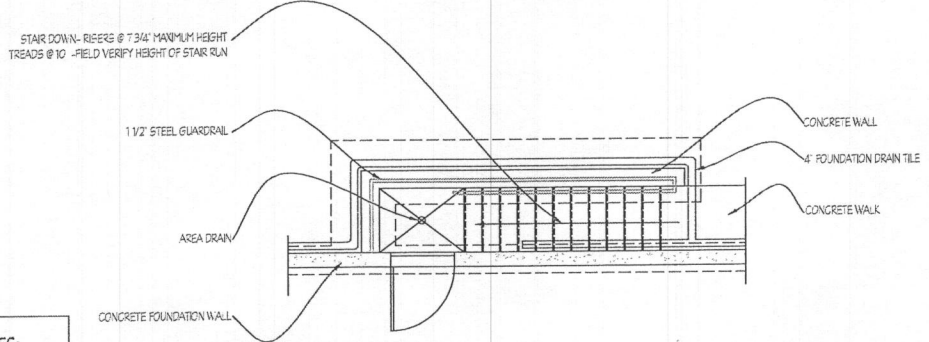
TYP. 2 STORY WALL CONSTRUCTION DETAIL
SCALE: 1/4"=1'-0"

DATE: 5/15	REVISION:
SCALE: NOTED	REVISION:
DRAWN: TIM	REVISION:
DRAWING: WALL SECTIONS	REVISION:
PROJECT: WILLIAMSBURG GROUP	REVISION:
THE RUTLEDGE	REVISION:
ESTATE HOME	REVISION:
1067 RE	REVISION:
Project No.	REVISION:
D1	REVISION:

REVISED 6/17



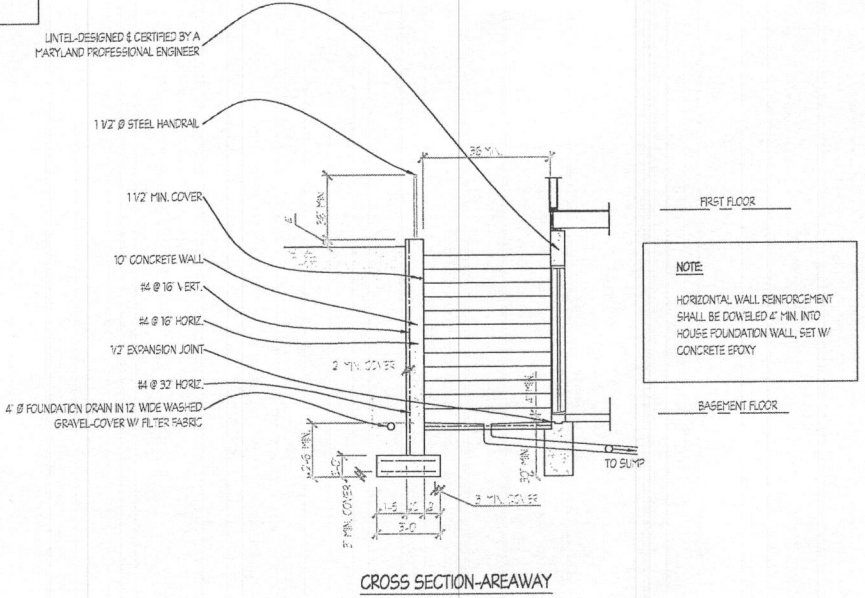
LONGITUDINAL SECTION-AREAWAY STAIR



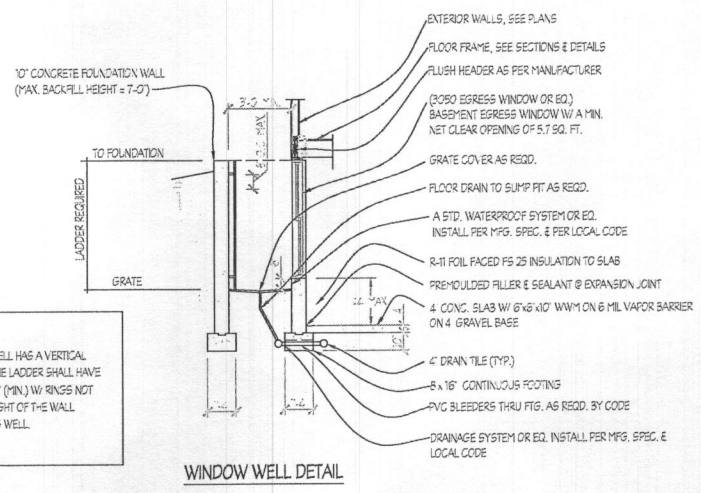
AREA FLOOR PLAN

BASEMENT AREAWAY/DRAIN NOTES:

- 1- THE AREAWAY STAIR LANDING SHALL BE AT LEAST 4' BELOW THE INTERIOR FLOOR SLAB AND SLOPE TO DRAIN TO AN APPROVED GENERAL PURPOSE AREA DRAIN.
- 2- THE GENERAL PURPOSE DRAIN SHALL HAVE AN INTAKE OR STRAINER WITH A MINIMUM DIAMETER OF 6" AND A MINIMUM PIPE OUTFALL OF 4'.
- 3- THE DRAIN SHALL HAVE A STRAINER LID OR BODY THAT PROVIDES ACCESSIBILITY FOR MAINTENANCE OF DRAIN BODY AND PIPE.
- 4- THE AREA DRAIN SHALL BE CONNECTED TO A RIGID PIPE WITH MINIMUM FALL OF 1/8" PER FOOT PIPED TO SUMP PUMP CROCK OR A DAY-LIGHTED OUTFALL AT GRADE.
- 5- THE RIGID PIPE SHALL NOT BE CONNECTED TO THE INTERIOR OR EXTERIOR FOUNDATION DRAIN OR DRAIN TILE.
- 6- THE PIPE SHALL BE SLEEVED WHERE IT PASSES THROUGH THE FOUNDATION WALL OR FROST PROTECTED FOOTING.
- 7- THE GENERAL PURPOSE DRAIN ASSEMBLY AND RIGID PIPE MAY BE CONSTRUCTED OF SCHEDULE 40 PVC, CAST IRON, OR EQUIVALENT APPROVED RIGID PIPE.

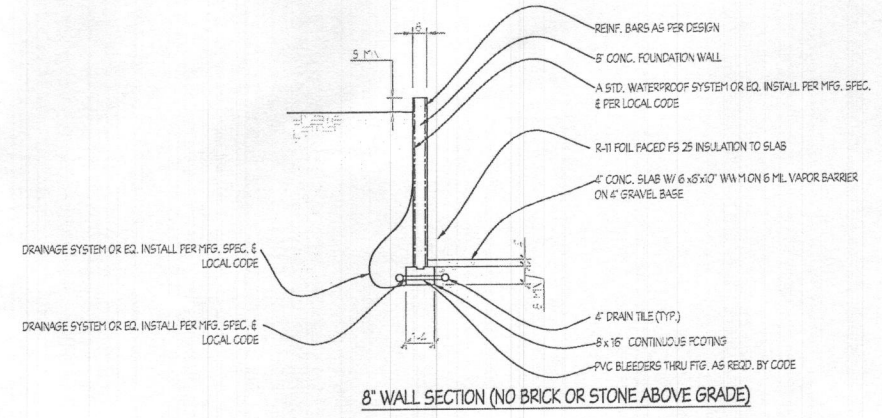


CROSS SECTION-AREAWAY

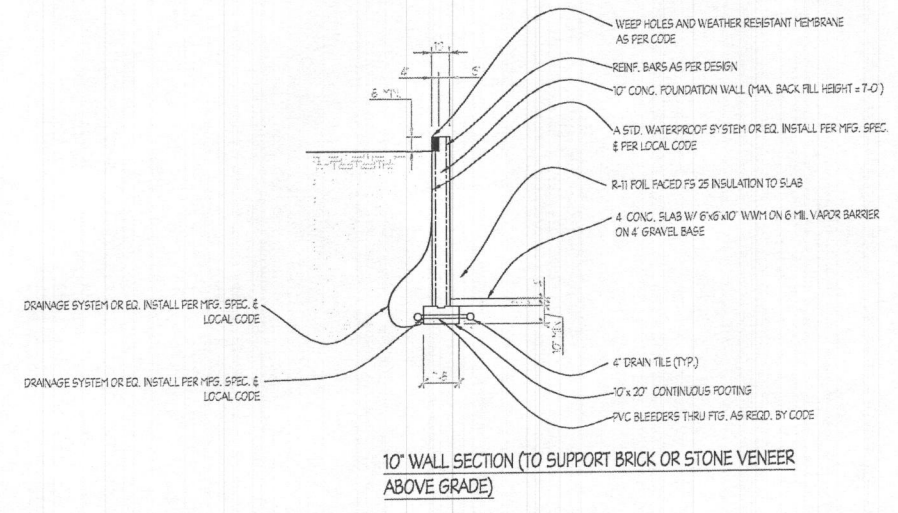


WINDOW WELL DETAIL

NOTE:
LADDER TO BE PROVIDED WHEN WINDOW WELL HAS A VERTICAL DEPTH GREATER THAN 44" BELOW GRADE. THE LADDER SHALL HAVE AN INSIDE DIMENSION OF NOT LESS THAN 12" (MIN.) W/ RINGS NOT MORE THAN 18" O.C. VERT. FOR THE FULL HEIGHT OF THE WALL. LADDER LOCATED ON SIDE WALL OF EGRESS WELL.



8" WALL SECTION (NO BRICK OR STONE ABOVE GRADE)



10" WALL SECTION (TO SUPPORT BRICK OR STONE VENEER ABOVE GRADE)

Plymouth Road Architects
640 Plymouth Road, Catonsville, MD 21229 410-788-0281

DATE	REVISION	CHANGED BY	DATE	REVISION
10/15				

Date: 5/15
Scale: 1/4" = 1'-0"
Drawn: TTM

Drawing: **WILLIAMSBURG GROUP**
Project: **THE RUTLEDGE ESTATE HOME**

1067 RE
Project No.

D2

REVISED 10/15

GENERAL REQUIREMENTS

- 1. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND NOTIFY THE ARCHITECT OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS. SHOP DRAWINGS MUST BE SUBMITTED TO THE OWNER BEFORE PROCEEDING WITH FABRICATION OF STAIRS, ROOF AND/OR FLOOR TRUSSES.
2. DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION. WHERE DRAWINGS ARE IN CONFLICT WITH OTHER DRAWINGS, SPECS OR DETAILS, THE CONTRACTOR SHALL CONTACT THE ARCHITECT FOR CLARIFICATION. LARGER SCALE DRAWINGS AND WRITTEN SPECIFICATION HAVE PRECEDENCE.
3. IN THE EVENT THAT CERTAIN FEATURES OR DETAILS ARE NOT FULLY SHOWN, CONTACT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
4. ALL PRODUCTS AND MATERIALS MUST BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS. IF A CONFLICT EXISTS BETWEEN THE DRAWINGS AND THE MANUFACTURERS RECOMMENDATION, CONTACT THE ARCHITECT FOR CLARIFICATION. THE CONTRACTOR SHALL VERIFY THAT ALL MATERIALS INSTALLED SHALL COMPLY WITH APPLICABLE CODES AND REGULATIONS.
5. PROVIDE 22 1/2" x 30" ATIC ACCESS WITH SWITCHED LIGHT, UNLESS OTHERWISE NOTED.
6. PROVIDE HANDRAILS 34"-38" ABOVE RISES ON ALL STAIRS WITH 3" OR MORE RISERS. RETURN RAILS TO WALL OR NEWEL. REQUIRED HANDRAILS SHALL BE CONTINUOUS THE FULL LENGTH OF STAIR. HANDRAILS MAY BE INTERRUPTED BY A NEWEL AT A TURN. PROVIDE GUARDRAILS AT RAISED FLOORS, BALCONIES, ETC. 30" OR MORE ABOVE GRADE OR FLOOR LEVEL. GUARDRAILS SHALL BE MIN. 36" HIGH (UNLESS NOTED OTHERWISE) AND HAVE CLOSURES SPACED TO PREVENT PASSAGE OF A 4" SPHERE. HANDRAILS SHALL HAVE MAX. 1/2" GROSS SPACING.
7. PROVIDE NOMINAL 2X FIVE BLOCKING AT EVERY FLOOR INTERVAL, BULKHEADS, CHASES, AND MIN-HEIGHT FLOOR WALLS OVER 3" TALL. IF OPEN WOOD FLOOR TRUSSES ARE UTILIZED, PROVIDE 1" GYP. BRD DRAFTSTOPPING, NOT TO EXCEED 500 S.F. UNLESS DWELLINGS ARE FULLY SPRINKLERED.
8. PROVIDE A MINIMUM OF 6"-9" HEAD CLEARANCE FOR ALL STAIRS. STAIR RISERS SHALL NOT EXCEED 7 1/2" AND TREADS SHALL BE AT LEAST 10" WITH NOSING, UNLESS LOCAL JURISDICTION REQUIRES OTHERWISE. MAX. RISER AT EXTERIOR DOORS SHALL BE 7 1/2".
9. THE CONTRACTOR SHALL SEAL ALL PENETRATIONS AND OPENINGS IN FLOORS AND WALLS TO MINIMIZE THE TRANSFER OF DRAFTS & MOISTURE. SHEATHING PENETRATION SHALL BE PATCHED AND REPAIRED TO MANUFACTURERS SPECIFICATIONS.
10. SLOPE ALL CONCRETE STOODS, PORCHES, WALKS AND GARAGE SLABS 1/8" IN 12" TO DRAIN, OR AS NOTED ON PLANS.
11. ALL DESIGNS FOR MANUFACTURED FLOOR JOISTS, RAFTERS, AND TRUSSES SHALL BE CERTIFIED BY THE MANUFACTURER. INSTALLATION OF SLUG ITEMS SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURERS SHOP DRAWINGS AND RECOMMENDATIONS.
12. CHIMNEYS SHALL EXTEND A MINIMUM OF 2 ABOVE ANY ROOF STRUCTURE WITHIN 10 FEET, BUT NO LESS THAN 3' AT POINT OF ROOF PENETRATION.
13. FLOOR JOISTS/TRUSSES AND ROOF TRUSSES SHALL ALIGN WITH BEARING STUDS 4'-1', OR PROVIDE TRIPLE PLATES.
14. FINISH GARAGES SHALL BE SEPARATED FROM ADJACENT DWELLINGS AND ATTIC WITH MINIMUM 5/8" GYP. BRD. ON GARAGE SIDE, AND 20 MINUTE FIRE-RATING DOOR, WHEN BENEATH LIVING SPACE. INSTALL 5/8" RATED G.A. DR. CEILING & ALL SUPPORTING STRUCTURE.

SITE WORK

- 1. PROVIDE HOUSE NUMBERS CLEARLY VISIBLE FROM THE STREET.
2. EXCAVATION SHALL BE SUFFICIENT TO PROVIDE FULL DESIGN DIMENSIONS OR TO ALLOW FORMING AS REQUIRED. NO FOOTINGS SHALL BE PLACED ON UNSTABLE MATERIAL. OPENINGS LESS THAN 1000 PSI CAPACITY.
3. SOIL BEARING CAPACITY SHALL BE VERIFIED BY THE CONTRACTOR.
4. BACKFILL SHALL ONLY BE CLEAN SIFTED CONTAINING NO ORGANIC MATTER, GRADED WITH POSITIVE SLOPE, MIN. 5" IN FIRST 10'. FULL BENCH STRUCTURE SHALL BE COMPACTED TO 90% DENSITY AS PER ASTM D1557 METHOD D.
5. PROVIDE 2" MINIMUM CONTINGENT DRAIN TILE AROUND PERIMETER OF BASEMENT FOUNDATION. SPECIAL INTERIOR DRAIN TILE MAY BE INSTALLED AT THE BUILDERS DISCRETION. PROVIDE PASSIVE UNDER SLAB RADON VENT WITH 3/4" DIA. VENT THRU ROOF WHEN REQUIRED BY LOCAL JURISDICTION AND IN ACCORDANCE WITH APPENDIX F OF THE IRC. SEE NOTE 12.5.
6. APPLY TERMITIDE WITH 2 FEET OF ENTIRE STRUCTURE IN ACCORDANCE WITH LOCAL AND AIA STANDARDS. TREATMENT MUST HAVE A 5 YEAR WARRANTY.
7. EXTREME CARE AND PROPER MEASURES SHALL BE USED WHILE INSTALLING BACKFILL SO AS NOT TO DAMAGE, BULGE, OR TIP WALL, SKIRTING, BRACKING, ETC. SHALL BE EMPLOYED UNTIL THE FULL DEAD LOAD OF THE BUILDINGS IS ON THE WALLS.

CONCRETE

- 1. CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE STANDARDS ACI-308, ACI-309, & ACI-306.
2. CONCRETE FOOTINGS SHALL HAVE MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2800 PSI (UNLESS OTHERWISE NOTED).
3. ALL INTERIOR CONCRETE SLABS EXCEPT GARAGES SHALL HAVE MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2800 PSI. FOUNDATION WALLS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI FOR MODERATE WEATHER & 3500 PSI FOR SEVERE WEATHER.
4. REINFORCING STEEL SHALL MEET ASTM A-605 AND A-305. MESH: 6x6 - 1/2" DIA. W/ W/ FATH-14-185. REINFORCING IN FOOTINGS IS REQUIRED WHERE VARIATIONS IN SOIL CONDITIONS MAY EXIST OR AS NOTED ON CONCRETE SHEET.
5. EXTERIOR CONCRETE AND GARAGE SLABS SHALL BE 4" TO 7" AIR ENTRAINED AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI FOR MODERATE WEATHER AND 3500 FOR SEVERE WEATHER.
6. ALL INTERIOR CONCRETE SLABS 30 FEET OR MORE IN ANY DIMENSION SHALL HAVE W/WF, CONTROL JOINTS, OR REINFORCING, PROVIDED BY EXPANSION MATERIAL AT ALL GOLD JOINTS.
7. PROVIDE VARIOUS BARRESS UNDER ALL SLABS, 6 MIL POLYETHYLENE LAP ALL EDGES OF LAY OVER 4' PROVIDE FULL FROST DEPTH AS NOTED ON COVER SHEET.
8. POLURED WALL VERTICAL REINFORCING WHEN REQUIRED SHALL BE PLACED MIN. 6" FROM SOIL FACE.

VERTICAL MASONRY

- 1. ALL MASONRY CONSTRUCTION & MATERIAL SHALL CONFORM TO ACI-520-02 & ACI-530-1-02.
2. THE MAXIMUM VERTICAL DISTANCE OF UNBALANCED FILL MEASURED FROM THE TOP OF THE FLOOR SLAB TO THE OUTSIDE FINISHED GRADE SHALL NOT EXCEED THE FOLLOWING: HEIGHTS ARE FOR UNREINFORCED WALLS WHERE BACKFILL SOIL FROM DIES WITHIN 10' TO ROOF DRAINAGE.
TYPE OF WALL:
HEIGHT OF FILL 6"
C.M.U. (HOLLOW) 4'-0"
12" C.M.U. (HOLLOW) 5'-0"
12" C.M.U. (SOLID) 6'-0"
HEIGHTS MAY BE INCREASED WITH THE APPROVAL OF THE LOCAL JURISDICTION, OR REINFORCING.
3. CONCRETE MASONRY UNITS SHALL BE MANUFACTURED TO MEET ASTM C-90. GRADE A SOLID BLOCK OR WITH CORE, GRADE B STANDARDS AND BE 28 DAYS OLD BEFORE INSTALLATION. MINIMUM NET COMPRESSIVE STRENGTH OF BLOCK TO BE 2000 PSI.
4. PARSING OVER CMU WALLS TO BE NOT LESS THAN 3/8" PORTLAND CEMENT RAISING FROM FOOTING TO FINISHED GRADE.
5. MASONRY UNITS: PROVIDE LIGHT WEIGHT PRE-CAST UNITS FOR ALL OPENINGS AND RECESSES IN CHIMNEYS. PROVIDE (1) 48" UNITS FOR EACH 4" WALL THICKNESS. REINFORCE EACH UNITS WITH TWO #4 BARS AT TOP AND BOTTOM AND WITH #2 REB SPACED 9" O.C., UNLESS OTHERWISE NOTED. PRECAST UNITS TO HAVE MINIMUM #4 BEARING AT EACH END. SLOTT UNITS SHALL NOT SUPPORT ANY SUPERIMPOSED LOADS.
6. USE TYPE "M" MORTAR FOR MASONRY IN CONTACT WITH EARTH. USE TYPE "S" MORTAR FOR EXTERIOR ABOVE GRADE LEAD BARRIERS AND NON-CMUT BEARING WALLS, AND FOR OTHER APPLICATIONS WHERE ANOTHER TYPE IS NOT INDICATED.
7. MASONRY VENEER SHALL BE INSTALLED OVER AN MOTER BARRIER OR APPROVED WATER REPELLENT SHEATHING. THROUGH-WALL FLASHING AND WEEPS SHALL BE PROVIDED AT ALL LOCATIONS WHERE WATER MAY POTENTIALLY ENTER THE BUILDING ENVELOPE.
8. MASONRY VENEER SHALL BEAR ON MIN. 4" LEDGE WIDTHS TO BACK-UP AT 24" O.C. HORIZ. & 18" O.C. VERT. 12" FROM EDGE OF OPENINGS. VENEER SHOULD NOT EXCEED 30" ABOVE TOP OF FOUNDATION, EXCEPT GABLE ENDS MAY BE 36" MAX.
9. IF BRICK LEDGES ARE RECESSED INTO FOUNDATIONS WALLS, THE RESULTING STEM WALL SHALL BE MIN. 8" THICK FOR CMU WALLS AND 6" FOR POURED IN PLACE WALLS.
10. PROVIDE WEEP HOLES ABOVE ALL FLASHING AT A MAX. OF 33" O.C. MAINTAIN MIN. 1" AIR SPACE BETWEEN VENEER & SHEATHING.

SPECIFICATIONS

- 1. GENERAL CONDITIONS
2. CONSTRUCTION SHALL COMPLY WITH THE LATEST EDITION OF THE CODES NOTED ON THE COVER SHEET AND ALL APPLICABLE LOCAL, CODES AND ADOPTIONS, AND FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS.
3. ALL CONSTRUCTION SHALL BE CLASSIFIED AS NOTED ON THE COVER SHEET.
4. DIMENSIONS GIVEN ON SCHEDULES ARE NOMINAL. GENERAL CONTRACTORS AND MANUFACTURERS ARE TO COORDINATE ALL DIMENSIONS CONCERNING DOORS, PANELS, WINDOWS AND THEIR OPENINGS PRIOR TO FABRICATION AND CONSTRUCTION.
5. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, GRADES, BOUNDARIES, AND CONSTRUCTION BEFORE PROCEEDING WITH THE WORK, AND REPORT IMMEDIATELY ANY DISCREPANCIES TO THE ARCHITECT AND/OR OWNER.

METALS

- 1. ONLY IF APPLICABLE AND SHOWN IN THE DRAWINGS, FOR ATTACHED DWELLINGS, MASONRY FIREWALLS SHALL BE CONSTRUCTED OF CLASSIFICATION D-2, 8" O.C. IN ACCORDANCE WITH UL-181.
2. BRACKING OF WOOD TRUSSES TO BE IN ACCORDANCE WITH THE APPROVED SHOP DRAWINGS AND THE TRUSS PLATE INSTITUTE INC. PUBLICATION: BRACKING WOOD TRUSSES CO-OPERATIVE AND RECOMMENDATIONS - H-3 JI. INSTALL MIN. OF (2) 2x4 DIAGONAL BRACKES AT APPROX. 45 DEGREES, FROM BOTTOM CHORD TO ROOF IN EACH ROOF SECTION.
3. ALL PLYWOOD MUST BE STRUCTURALLY RATED PER THE PERFORMANCE STANDARDS AND ALL OTHER REQUIREMENTS OF APPLICABLE U.S. COMMERCIAL STANDARDS FOR THAT TYPE, GRADE AND SPECIES OF WOOD, AND SHALL BE IDENTIFIED BY AN APPROVED TESTING AGENCY.
4. PLYWOOD SUBFLOORING SHALL BE GLUED AND NAILED TO JOISTS IN ACCORDANCE WITH APA RECOMMENDATIONS L5A E 1/8" SPACE AT ALL EDGES FOR EXPANSION OR AS PER MANUF. RECOMMENDATIONS.
5. PLYWOOD ROOF SHEATHING SHALL BE INSTALLED WITH PANEL GAPS (1 PER 84"), LEAVE 1/8" SPACE AT PANEL ENDS, REFERENCE TO NOMINAL THICKNESS SHALL MEAN THE FOLLOWING ACTUAL THICKNESS AND SPECIFICATIONS: 3/4" = 23/32" ACT. RATED SHEATHING FLOOR 3/4" O.C. EXPOSURE 5/8" = 19/32" ACT. RATED SHEATHING FLOOR 3/4" O.C. EXPOSURE 1/2" = 15/32" ACT. RATED SHEATHING 1/2" EXPOSURE 3/16" = 7/32" RATED SHEATHING (2) 3/16" O.C. EXPOSURE
6. ONLY IF APPLICABLE AND SHOWN ON THE DRAWINGS ATTACHED DWELLINGS WITH EXTERIOR FIRE SEPARATION SHALL HAVE FIRE RESISTANT TREATED (F.R.T.) ROOF SHEATHING 4-FEET EACH SIDE OF THE PARTYWALL CENTLINE. PLYWOOD SHALL BE CERTIFIED NOT TO CAUSE ADD HYDROLYSIS AT MOST CONDITIONS AT TEMPERATURE BELOW 40 F. ALTERNATIVES TO THE USE OF F.R.T. SHALL ONLY BE AS APPROVED BY THE LOCAL JURISDICTION. THE INSTALLATION OF AN APPROVED FIRE SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH NFPA 13A MAY ALLEVIATE THE NEED FOR F.R.T. IN CERTAIN JURISDICTIONS. VERIFY WITH BUILDING CODE OFFICIAL.
7. ALL WOOD LESS THAN 4" FROM GRADE OR IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED PER CURRENT AIA STANDARDS.
8. UNLESS NOTED ELSEWHERE ON THESE DRAWINGS, STRUCTURAL WINDOW AND DOOR HEADERS SHALL BE MIN. 5 1/2" x 12" (2" EDS PER 1" OF SIZE SPECIFIED ON DRAWINGS. OPENINGS 3" OR LESS SHALL HAVE A MIN. (2) 2x4 HEADERS.
9. UNLESS NOTED ELSEWHERE ON THESE DRAWINGS, STRUCTURAL WINDOW AND DOOR JACK STUDS SHALL BE MIN. 2x4 GRADE 40 OR BETTER. PROVIDE SINGLE JACK STUDS AT OPENINGS LESS THAN 4'-0" AND DOUBLE JACK STUDS AT OPENINGS UP TO 7'-0".
10. ALL FASTENERS SHALL BE IN ACCORD WITH TABLE 602.3 AND 602.3.6 OF THE IRC. ATTACH BATTERY WALL PLATES TO STUDS WITH POWER DOWN DRILL & 2" DIA. SCREWS.
11. MULTIPLE STUDS OR POSTS SHALL BE BLOCKED SOLID THROUGH FLOORS AS REQUIRED TO PROVIDE CONTINUOUS SUPPORT TO THE FOUNDATION.

WOOD

- 1. ALL STRUCTURAL LUMBER SHALL BE STAMPED IN ACCORDANCE WITH THE CONSTRUCTION MANUAL OF THE AMERICAN INSTITUTE OF WOOD CONSTRUCTION AND STORE IN DRY LOCATION.
2. PRESSURE TREATED LUMBER SHALL CONFORM WITH AWP-C-114 FOR THE SPECIES, PRODUCT, PRESERVATIVE, AND END USE.
3. JOISTS AND GIRDERS: SEE PLANS FOR SIZE, SPACING AND MINIMUM GRADE AND SPECIES. 16M FR AND STRUCE-FIVE-TR (BFD) SHALL BE NORTHERN SPECIES ONLY. MAX. MOISTURE CONTENT SHALL NOT EXCEED 19%.
4. PROVIDE DOUBLE SOLID JOISTS UNDER ALL PARALLEL PARTITIONS OVER 8'-0" IN LENGTH UNLESS MANUFACTURERS SHOP DRAWINGS SHOW OTHERWISE.
5. WHEN ENGINEERING BEAMS ARE SPECIFIED ON THE DRAWINGS AS LVL OR PSB, THEY ARE INTERCHANGEABLE WITH 2x10 OR 2x12 NO OTHER SUBSTITUTIONS ARE TO BE MADE WITHOUT ARCHITECTS APPROVAL. ALL SUCH BEAMS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS.
6. BEARING WALL STUDS SHALL BE MINIMUM 2x10 GRADE ND OR BETTER AT 18" O.C. LAP ALL DOUBLE TOP PLATE JOINTS A MIN. OF 24".
7. EXTERIOR WALLS, UP TO 10' SUPPORTING (1) FLOOR & ROOF MAY BE 2x4 @ 16" O.C. SUPPORTING (2) FLOORS AND ROOF SHALL BE 2x6 @ 16" O.C., COMPLETELY W/ RIG-RODZ.
8. INTERIOR NON-BEARING WALLS MAY BE 2x4 @ 24" STUDS, 24" O.C.
9. LATERAL WALL BRACKING SHALL BE PROVIDED BY CONTINUOUS APPROVED STRUCTURAL SHEATHING INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECS. ALTERNATIVE WALL BRACKING MUST COMPLY W/ SECTION 602.0 OF THE IRC.
10. BARRERS-SEE PLANS FOR FREE, SPACING, MINIMUM GRADE AND SPECIES.

DOORS AND WINDOWS

- 1. THE CONTRACTOR SHALL VERIFY & COORDINATE ROUGH OPENINGS FOR ALL DOORS & WINDOWS PRIOR TO START OF CONSTRUCTION. INSTALLATION SHALL BE IN ACCORD W/ MANUFACTURERS INSTRUCTIONS.
2. EACH SLEEPING ROOM AND BASEMENT SPACE (UNLESS OTHERWISE NOTED BY LOCAL JURISDICTION) SHALL HAVE AT LEAST ONE OPERABLE WINDOW PROVIDING 5.7 S.F. (3.4 S.F. AT GRADE CONDITIONS) OF NET CLEAR OPENINGS AS CERTIFIED BY THE MANUFACTURER, PER WITH ALL SILL HEIGHT NOT MORE THAN 44" A.F.F. OR OTHER CLEAR DIRECT BEANS OF BRASS TO THE OUTSIDE WINDOW WALLS, IF REQUIRED, SHALL BE MIN. 2" x 3".
3. SAFETY (TEMPERED) GLAZING SHALL BE PROVIDED IN:
- GLASS DOORS, & DOORLEIGHTS
- SHOWER AND TUB ENCLOSURES AND WINDOWS WITHIN 6" OF TUB
- GLAZING ON STAIR LANDINGS
- RIGID PANELS GREATER THAN 9 S.F., WITHIN 3' A.F.F.
- GLAZING WITHIN 12" OF STAIR RAILING
- GLAZING WITHIN 24" RADIUS OF CLOSED DOORS
4. IF APPLICABLE, PROVIDE SELF-CLOSING DOOR BETWEEN DWELLING AND GARAGE. DOOR SHALL BE 1 1/2" THICK SOLID WOOD OR INSULATED STEEL W/ MIN. 20 MIN. RATING.
5. DUCTWORK IN UNCONDITIONED SPACES SHALL BE INSULATED TO A MIN. R-8. DEVELOPED LENGTH OF DRYER VENTS SHALL NOT EXCEED 25 FEET OR IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
6. ALL VENTS AND FLUES SHALL BE INSTALLED WITH A MINIMUM OF 1" CLEARANCE TO ADJACENT WOOD FRAMING, GREATER IF SPECIFIED BY MANUFACTURER.
7. ANY FINISH PASSING UNDER FOOTINGS OR THROUGH A FOUNDATION WALL OR SLAB SHALL BE PROVIDED WITH A SLEEVE TWO INCHES LARGER THAN THE SUBJECT PIPE. PROVIDE OVERFLOW PANS AND DRAINS FOR WASHER AND DRYER WITH WATER HEATER WHEN LOCATED ON A WOOD FLOOR SYSTEM.
8. PROVIDE HOSE REELS (FREEZE-PROOF OR WITH SHUT-OFF) AT FRONT AND REAR OF DWELLINGS, OR AS SHOWN IN THE DRAWINGS.
9. PROVIDE 1" CONDENSATE LINE FROM WATER HEATER AND AIR HANDLER TO POSITIVE OUTFALL OR TO SUMP PUMP IF PROVIDED OR AS DIRECTED BY LOCAL JURISDICTION.
10. PIPING SHALL BE INSULATED PER IRC-1003.5
11. IF APPLICABLE, CRAWL SPACES SHALL BE CONDITIONED W/ SUPPLIES AND RETURNS LOCATED TO INSURE EVEN AIR DISTRIBUTION.
12. PROVIDE A DUAL CHECK VALVE TYPE BACKFLOW PREVENTER CONFORMING TO ASSE 1024 OR CSA B148.5 WHERE WATER SERVICE ENTERS THE DWELLING, ADJACENT TO WATER METER.

FINISHES

- 1. DRYWALL: 1/2" TAPEED EDGE GYPSUM BOARD APPLIED, TAPE, AND FINISHED IN ACCORDANCE WITH GYPSUM ASSOCIATION GA-26 AND ASTM C-840.
2. 5/8" GYPSUM BOARD IS TO BE USED TO COMPLETELY SEPARATE GARAGE FROM LIVING AREA, APPLIED ON GARAGE SIDE PER THE PLANS, OR IN MANDATORY ACCEPTABLE TO LOCAL JURISDICTION.
3. IF APPLICABLE AND AS SHOWN ON THE DRAWINGS, PROVIDE FIRE RESISTANT RATED SHEATHING AS DETAIL FOR PARTYWALLS OR OTHER RATED WALLS OR FLOORS.
4. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE TESTING AGENCYS REQUIREMENTS.
5. UNDERSIDE & WALLS OF ACCESSIBLE ENCLOSED SPACE UNDER STAIRS SHALL BE PROTECTED W/ 1/2" GYPSUM BOARD. STRUCTURAL WINDOW AND DOOR JACK STUDS SHALL BE MIN. 2x4 GRADE 40 OR BETTER. PROVIDE SINGLE JACK STUDS AT OPENINGS LESS THAN 4'-0" AND DOUBLE JACK STUDS AT OPENINGS UP TO 7'-0".
6. ALL FASTENERS SHALL BE IN ACCORD WITH TABLE 602.3 AND 602.3.6 OF THE IRC. ATTACH BATTERY WALL PLATES TO STUDS WITH POWER DOWN DRILL & 2" DIA. SCREWS.
7. MULTIPLE STUDS OR POSTS SHALL BE BLOCKED SOLID THROUGH FLOORS AS REQUIRED TO PROVIDE CONTINUOUS SUPPORT TO THE FOUNDATION.
8. PAINT (INTERIOR) UNLESS DIRECTED OTHERWISE:
CEILING: (1) COAT PRIMER, (2) COAT FLAT LATEX.
FINISH WALLS: (1) COAT PRIMER, (2) COAT FLAT LATEX.
FINISH TRIM: (1) COAT PRIMER, (2) COAT SEMI-GLOSS ENAMEL FINISH.
9. PAINT (EXTERIOR) UNLESS DIRECTED OTHERWISE: (1) TRIM: (2) COAT PRIMER, (3) COAT EXTERIOR GRADE EXTERIOR LATEX ENAMEL.
10. CERAMIC TILE WALLS SHALL BE GLAZED MOSAIC TILE OVER WATER RESISTANT GYPSUM BOARD OR GLASS MESH PORTLAND UNITS. USE THIN SET ORGANIC ADHESIVE (ANSI A108) OVER GYPSUM BOARD AND DRY-SET LATEX PORTLAND MORTAR (ANSI A108.3) OVER CEMENT BOARD. FLOOR TILES SHALL BE GLAZED MOSAIC TILE OVER MINIMUM 5/8" PLYWOOD UNDERLAMENT, SCHEDULED TO O.C. TO SUBFLOOR OR AS RECOMMENDED BY MANUFACTURER. USE EPXY MORTAR AND GROUT APPLICATION (ANSI A138.3). JOIST SPACING SHALL NOT EXCEED 19.2" O.C.
11. FINISHED FLOORS SHALL BE SHEET VINYL, RESILIENT FLOORING, OVER 1/2" MINIMUM PREPARED OR PLYWOOD UNDERLAYMENT OR AS DIRECTED BY THE OWNER.
12. IF APPLICABLE, FEE BUILT PREFRACES AND CHIMNEYS SHALL BE U.L. APPROVED AND INSTALLED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS AND CHAPTERS 10 & 24 OF THE IRC.
13. TOILET AND BATH ACCESSORIES SHALL BE AS SPECIFIED BY THE OWNER.
14. MIRRORS: MIRROR QUALITY & SIZES PER PLANS, OR AS SPECIFIED BY THE OWNER.
15. PROVIDE EITHER SHOWER RODS 5/8" A.F.F. OR TEMPERED OR SAFETY LAMINATE GLASS DOORS, AS SPECIFIED BY THE OWNER.

SPECIALTIES

- 1. IF APPLICABLE, FEE BUILT PREFRACES AND CHIMNEYS SHALL BE U.L. APPROVED AND INSTALLED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS AND CHAPTERS 10 & 24 OF THE IRC.
2. TOILET AND BATH ACCESSORIES SHALL BE AS SPECIFIED BY THE OWNER.
3. MIRRORS: MIRROR QUALITY & SIZES PER PLANS, OR AS SPECIFIED BY THE OWNER.
4. PROVIDE EITHER SHOWER RODS 5/8" A.F.F. OR TEMPERED OR SAFETY LAMINATE GLASS DOORS, AS SPECIFIED BY THE OWNER.

MECHANICAL

- 1. IN AC AND PLUMBING CONTRACTORS SHALL COORDINATE ALL OPENINGS IN JOISTS, TRUSSES, ETC. WITH GENERAL CONTRACTOR BEFORE PROCEEDING WITH ANY WORK. ALL WORK SHALL BE IN COMPLIANCE WITH ALL LOCAL MECHANICAL AND PLUMBING CODES.
2. PROVIDE ONE DAMPER REGISTER PER 400 SQUARE FEET OF UNFINISHED BASEMENT SPACE IF APPLICABLE.
3. PROVIDE EXHAUST FANS AT EACH BATH, AND VENT TO EXTERIOR OF DWELLING, MIN. 50 CFM.
4. IF APPLICABLE & REQUIRED BY THE GOVERNING LAWS, PROVIDE FIRE SUPPRESSION SYSTEMS IN ACCORDANCE WITH NFPA 13D. CONTRY SUCH REQUIREMENTS WITH THE LOCAL JURISDICTION BEFORE PROCEEDING WITH ANY WORK.
5. ALL DUCTWORK THAT PENETRATES A RATED WALL OR FLOOR ASSEMBLY SHALL BE PROVIDED WITH FIRE DAMPERS.

MECHANICAL

- 1. IN AC AND PLUMBING CONTRACTORS SHALL COORDINATE ALL OPENINGS IN JOISTS, TRUSSES, ETC. WITH GENERAL CONTRACTOR BEFORE PROCEEDING WITH ANY WORK. ALL WORK SHALL BE IN COMPLIANCE WITH ALL LOCAL MECHANICAL AND PLUMBING CODES.
2. PROVIDE ONE DAMPER REGISTER PER 400 SQUARE FEET OF UNFINISHED BASEMENT SPACE IF APPLICABLE.
3. PROVIDE EXHAUST FANS AT EACH BATH, AND VENT TO EXTERIOR OF DWELLING, MIN. 50 CFM.
4. IF APPLICABLE & REQUIRED BY THE GOVERNING LAWS, PROVIDE FIRE SUPPRESSION SYSTEMS IN ACCORDANCE WITH NFPA 13D. CONTRY SUCH REQUIREMENTS WITH THE LOCAL JURISDICTION BEFORE PROCEEDING WITH ANY WORK.
5. ALL DUCTWORK THAT PENETRATES A RATED WALL OR FLOOR ASSEMBLY SHALL BE PROVIDED WITH FIRE DAMPERS.

MECHANICAL

- 1. IN AC AND PLUMBING CONTRACTORS SHALL COORDINATE ALL OPENINGS IN JOISTS, TRUSSES, ETC. WITH GENERAL CONTRACTOR BEFORE PROCEEDING WITH ANY WORK. ALL WORK SHALL BE IN COMPLIANCE WITH ALL LOCAL MECHANICAL AND PLUMBING CODES.
2. PROVIDE ONE DAMPER REGISTER PER 400 SQUARE FEET OF UNFINISHED BASEMENT SPACE IF APPLICABLE.
3. PROVIDE EXHAUST FANS AT EACH BATH, AND VENT TO EXTERIOR OF DWELLING, MIN. 50 CFM.
4. IF APPLICABLE & REQUIRED BY THE GOVERNING LAWS, PROVIDE FIRE SUPPRESSION SYSTEMS IN ACCORDANCE WITH NFPA 13D. CONTRY SUCH REQUIREMENTS WITH THE LOCAL JURISDICTION BEFORE PROCEEDING WITH ANY WORK.
5. ALL DUCTWORK THAT PENETRATES A RATED WALL OR FLOOR ASSEMBLY SHALL BE PROVIDED WITH FIRE DAMPERS.

MECHANICAL

- 1. IN AC AND PLUMBING CONTRACTORS SHALL COORDINATE ALL OPENINGS IN JOISTS, TRUSSES, ETC. WITH GENERAL CONTRACTOR BEFORE PROCEEDING WITH ANY WORK. ALL WORK SHALL BE IN COMPLIANCE WITH ALL LOCAL MECHANICAL AND PLUMBING CODES.
2. PROVIDE ONE DAMPER REGISTER PER 400 SQUARE FEET OF UNFINISHED BASEMENT SPACE IF APPLICABLE.
3. PROVIDE EXHAUST FANS AT EACH BATH, AND VENT TO EXTERIOR OF DWELLING, MIN. 50 CFM.
4. IF APPLICABLE & REQUIRED BY THE GOVERNING LAWS, PROVIDE FIRE SUPPRESSION SYSTEMS IN ACCORDANCE WITH NFPA 13D. CONTRY SUCH REQUIREMENTS WITH THE LOCAL JURISDICTION BEFORE PROCEEDING WITH ANY WORK.
5. ALL DUCTWORK THAT PENETRATES A RATED WALL OR FLOOR ASSEMBLY SHALL BE PROVIDED WITH FIRE DAMPERS.

MECHANICAL

- 1. IN AC AND PLUMBING CONTRACTORS SHALL COORDINATE ALL OPENINGS IN JOISTS, TRUSSES, ETC. WITH GENERAL CONTRACTOR BEFORE PROCEEDING WITH ANY WORK. ALL WORK SHALL BE IN COMPLIANCE WITH ALL LOCAL MECHANICAL AND PLUMBING CODES.
2. PROVIDE ONE DAMPER REGISTER PER 400 SQUARE FEET OF UNFINISHED BASEMENT SPACE IF APPLICABLE.
3. PROVIDE EXHAUST FANS AT EACH BATH, AND VENT TO EXTERIOR OF DWELLING, MIN. 50 CFM.
4. IF APPLICABLE & REQUIRED BY THE GOVERNING LAWS, PROVIDE FIRE SUPPRESSION SYSTEMS IN ACCORDANCE WITH NFPA 13D. CONTRY SUCH REQUIREMENTS WITH THE LOCAL JURISDICTION BEFORE PROCEEDING WITH ANY WORK.
5. ALL DUCTWORK THAT PENETRATES A RATED WALL OR FLOOR ASSEMBLY SHALL BE PROVIDED WITH FIRE DAMPERS.

Plymouth Road Architects
640 Plymouth Road, Catonsville, MD 21229 410-788-0281
Date: 5/15
Scale: N.A.
Drawn: TIM
Drawing: GENERAL REQUIREMENTS
Project: WILLIAMSBURG GROUP THE RUTLEDGE ESTATE HOME
1067 RE Project No.
D3
REVISED 6/17

DATE	REVISION

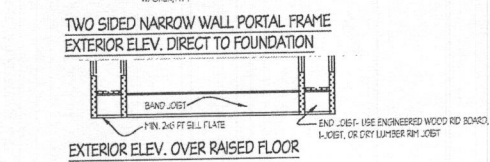
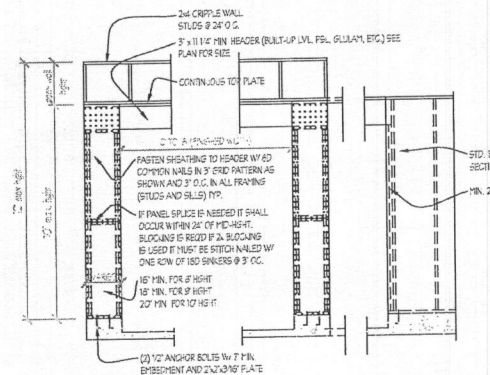
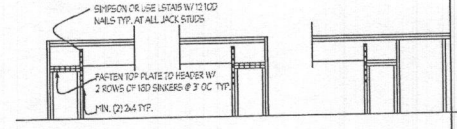
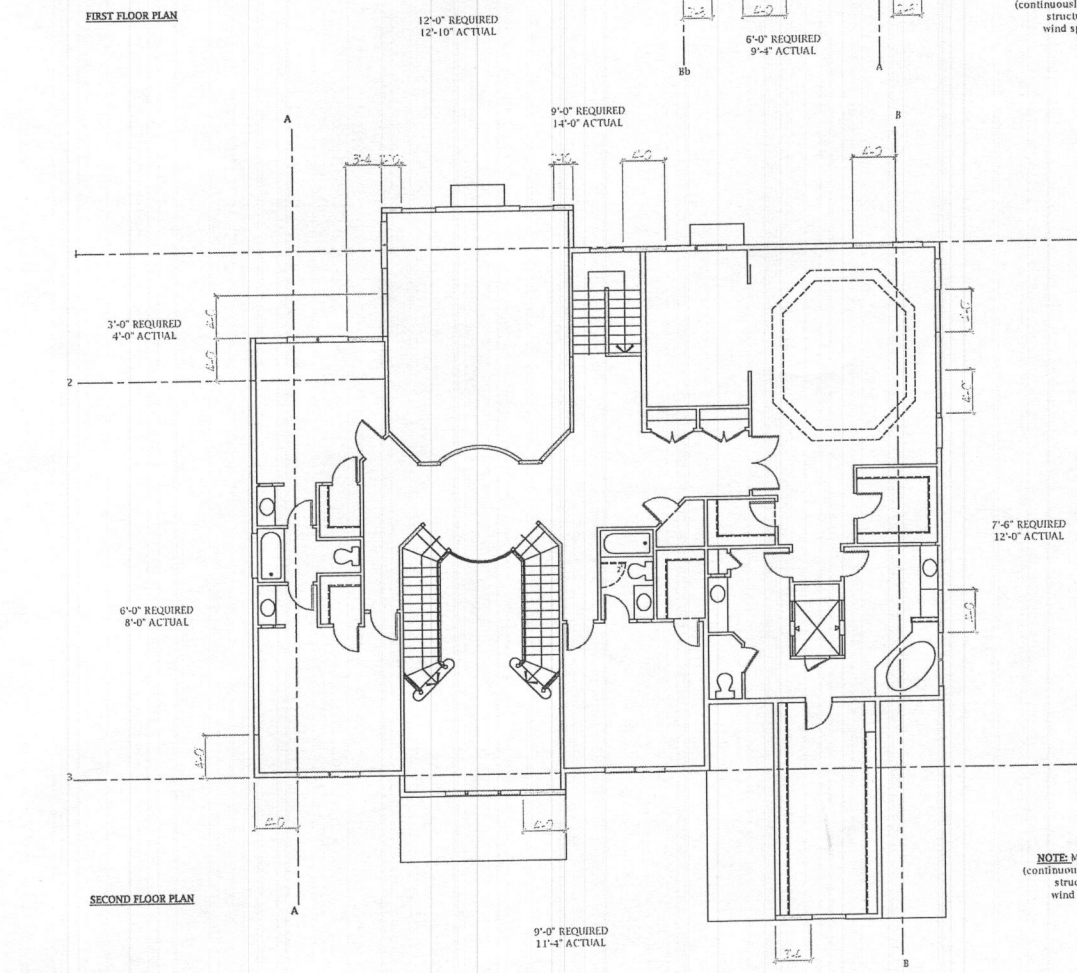
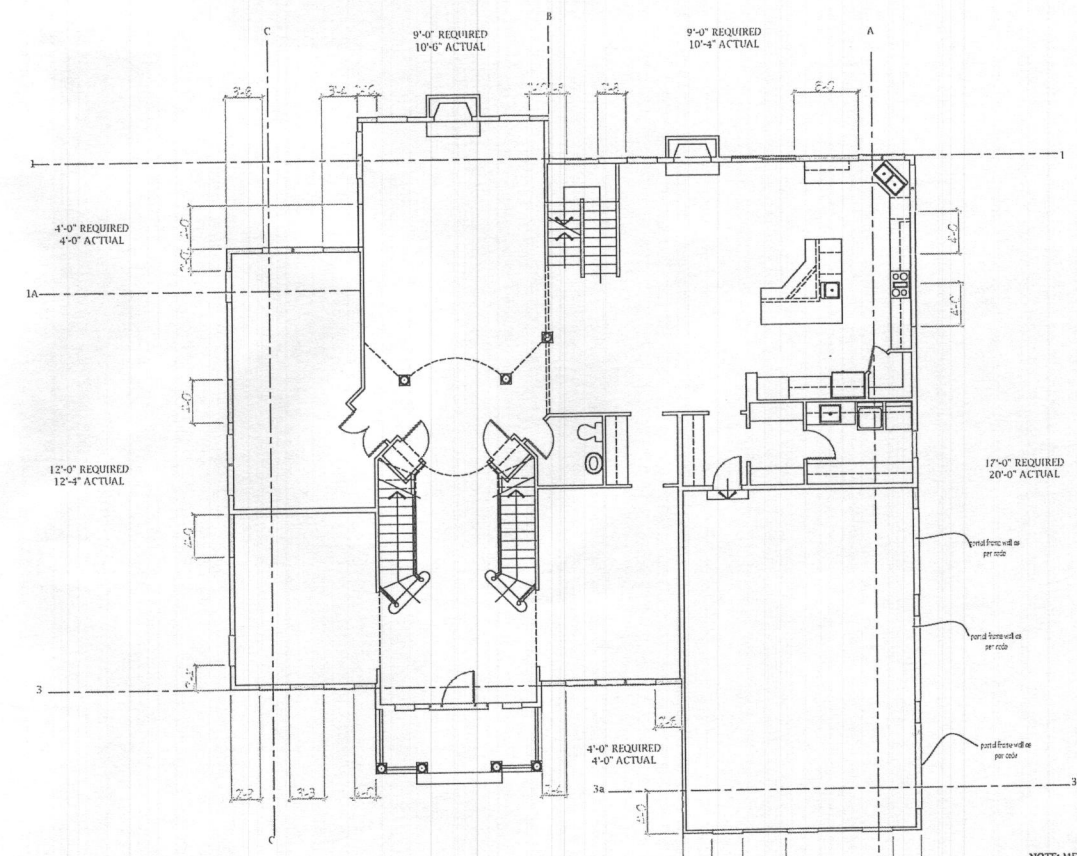
Date: 5/15	Scale: N.A.	Drawn: TIM
------------	-------------	------------

Drawing: SHEAR WALL DETAILS	Project: WILLIAMSBURG GROUP THE RUTLEDGE ESTATE HOME
-----------------------------	---

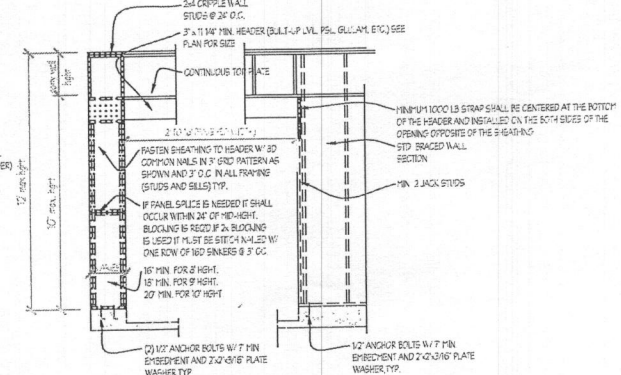
1067 RE
Project No.



REVISED 6/17



NARROW WALL PORTAL DETAILS - TYPE 1



NARROW WALL BRACING DETAILS

NOTE: PORTAL FRAME ARE DESIGNED TO REPLACE THE STD BRACED WALL SECTION UP TO 40' LONG. FOR 9FT. WALL & 9FT. WALL ADJACENT TO 80% OPENING. LOCATIONS AND SPACING TO FOLLOW IRC REQUIREMENTS.

LENGTH REQUIREMENTS FOR BRACED WALL PANELS IN A CONTINUOUSLY SHEATHED WALL.
A. LINEAR INTERPOLATIONS SHALL BE PERMITTED
B. FULL-HEIGHT SHEATHED WALL SECTIONS TO EITHER SIDE OF GARAGE OPENINGS THAT SUPPORT LIGHT FRAME ROOFS ONLY, WITH ROOF COVERING DEAD LOADS OF 30PSF OR LESS SHALL BE PERMITTED TO HAVE A 4:1 ASPECT RATIO.

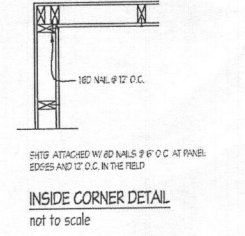
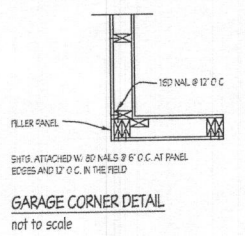
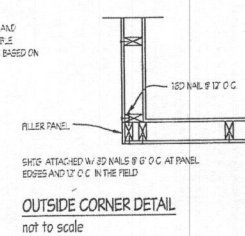
MINIMUM LENGTH OF BRACED WALL PANEL (INCHES)			MAXIMUM OPENING HEIGHT NEXT TO THE BRACED WALL PANEL (% OF WALL HEIGHT)
48	54	60	100%
32	36	40	85%
24	27	30	65%

NOTE:
WALL BRACING:
ALL EXTERIOR WALLS SHALL BE BRACED IN ACCORDANCE WITH THIS SECTION. IN ADDITION, INTERIOR BRACED WALL LINES SHALL BE PROVIDED IN ACCORDANCE WITH SECTION R802.10.1.1, FOR BUILDINGS IN SEISMIC DESIGN CATEGORIES, D1 AND D2, WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ADDITIONAL REQUIREMENTS OF R802.10.9, R802.10.11, AND R802.11.
R802.10.1
BRACED WALL LINES SHALL CONSIST OF BRACED WALL PANEL CONSTRUCTION METHODS IN ACCORDANCE WITH SECTION R802.10.3. THE AMOUNT AND LOCATION OF BRACING SHALL BE IN ACCORDANCE WITH TABLE R802.10.1 AND THE AMOUNT OF BRACING SHALL BE THE GREATER OF THAT REQUIRED BY THE SEISMIC DESIGN CATEGORY OR THE DESIGN WIND SPEED. BRACED WALL PANELS SHALL BEGIN NO MORE THAN 12" (305 MM) FROM EACH END OF A BRACED WALL LINE. BRACED WALL PANELS THAT ARE COUNTED AS PART OF A BRACED WALL LINE, EXCEPT THAT OFFSETS OUT-OF-PLANE OF UP TO 4 FEET (1219 MM) SHALL BE PERMITTED PROVIDED THAT THE TOTAL OUT TO OUT OFFSET DIMENSION IN ANY BRACED WALL LINE IS NOT MORE THAN 6" (152.4 MM). A DESIGNED COLLECTOR SHALL BE PROVIDED IF THE BRACING BEGINS MORE THAN 12" (305 MM) FROM EACH END OF A BRACED WALL LINE.
R802.10.1.1 SPACING:
SPACING OF BRACED WALL LINES SHALL NOT EXCEED 36" (914.4 MM) ON CENTER IN BOTH THE LONGITUDINAL AND TRANSVERSE DIRECTIONS IN EACH STORY.
EXCEPTION:
SPACING OF BRACED WALL LINES NOT EXCEEDING 30" SHALL BE PERMITTED WHERE:
1. THE WALL BRACING PROVIDED EQUALS OR EXCEEDS THE AMOUNT OF BRACING REQUIRED BY TABLE R802.10.1 MULTIPLIED BY A FACTOR EQUAL TO THE BRACED WALL LINE SPACING DIVIDED BY 35, AND
2. THE LENGTH-TO-WIDTH RATIO FOR THE FLOOR/WALL DIAPHRAGM DOES NOT EXCEED 3:1.

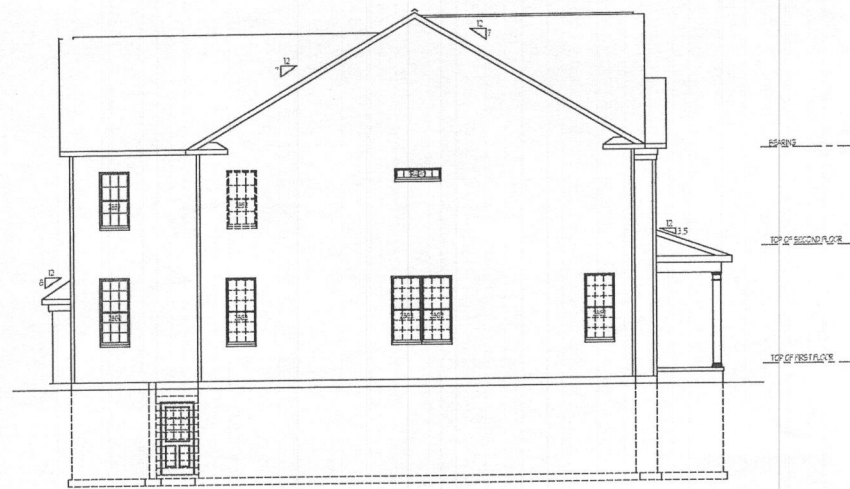
NOTE: WIND BRACING DESIGN AS REQUIRED BY SECTION E02.10 OF THE IRC HAVE BEEN SATISFIED BY THE ALTERNATIVE CONTINUOUS STRUCTURAL PANEL SHEATHING METHOD (CS-WSP) AND NARROW WALL PORTAL FRAME BRACING REFER TO PLAN CONSTRUCTION DETAILS THIS SHEET. ADDITIONALLY, ALL STRUCTURAL MEMBERS SHALL BE FASTENED IN ACCORDANCE WITH TABLE R602.10 OF THE INTERNATIONAL RESIDENTIAL CODE AND THE MANUFACTURER'S RECOMMENDATIONS IN THE CASE OF ENGINEERED COMPONENTS. MINIMUM BRACED WALL LENGTHS ARE BASED ON THE TABLE BELOW:

WALL HEIGHT	MINIMUM LENGTH OF BRACED WALL PANELS							
	50' VINTL WINDOW	55' VINTL WINDOW	60' VINTL WINDOW	65' VINTL WINDOW	68' DR W/10' IR	68' DR W/20' IR	68' DR W/20' IR	FULL HEIGHT
8' WALL	24"	26"	28"	30"	32"	42"	N/A	58"
9' WALL	27"	29"	31"	33"	35"	45"	48"	61"
10' WALL	30"	32"	34"	36"	38"	48"	51"	64"

*USUAL DESIGN THAT NOT BE GUARANTEED



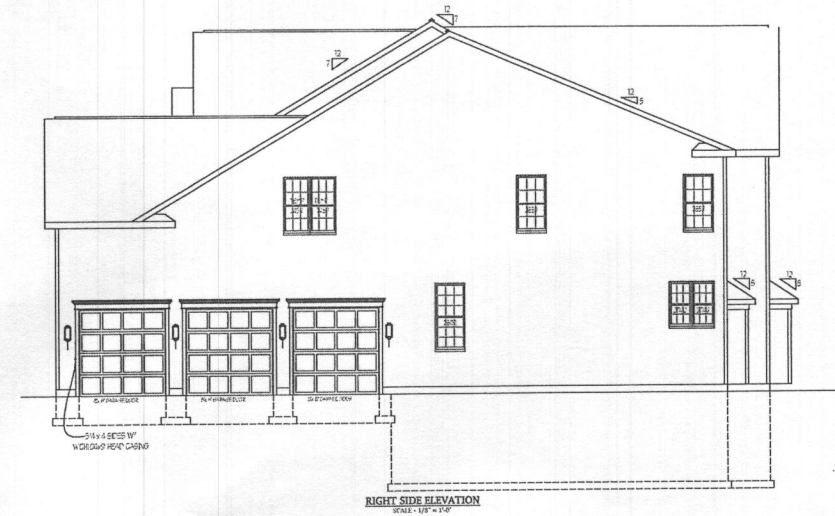
ALL BRACED EXTERIOR WALLS SHALL BE MIN. 1/2" OSB SHEATHING ATTACHED TO FRAMING WITH 8d COMMON NAILS 2 @ 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE FRAMING MEMBERS. SOLE PLATES SHALL BE FASTENED TO JOIST OR BEAD BLOCKING WITH (3) 5d NAILS @ 16" O.C., 1" OFFSET TO PLATE OR SILL W/ 8d @ 2 @ 6" O.C. TOTAL. ALL EXTERIOR WALL CORNERS SHALL BE FRAMED PER DETAIL. INTERIOR BRACED WALLS SHALL BE MIN. 1/2" OSB, 1D APPLIED TO EACH SIDE OF FRAMING W/ 4d-NAILING AND 5 OR W/ 5d @ 2 @ 6" O.C.



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



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



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



FRONT ELEVATION #1 (STANDARD)
SCALE: 1/4" = 1'-0"



FRONT ELEVATION #1 (STANDARD BRICK)
SCALE: 1/8" = 1'-0"

Plymouth Road Architects
640 Plymouth Road, Catonsville, MD 21229 410-788-0281

DATE	REVISIONS

Date: 5/15
Scale: NOTED
Drawn: TIM
Checked:

Drawing: STANDARD ELEVATION
Project: WILLIAMSBURG GROUP
THE RUTLEDGE ESTATE HOMES

L067RE
Project No.

1a

REVISED 7/18

DATE:	REVISION:

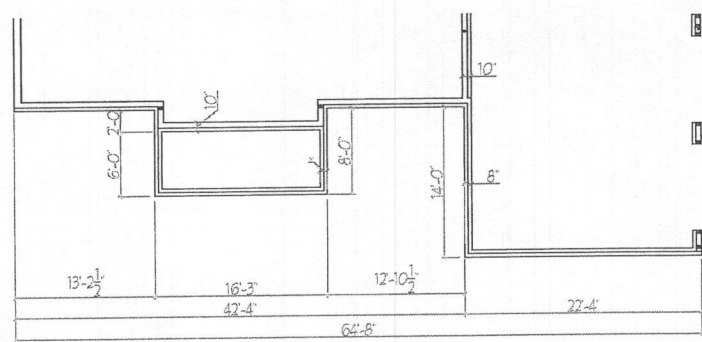
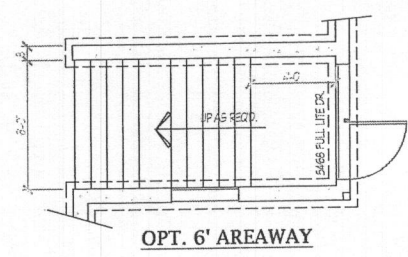
Date: 5/15
 Scale: 1/4"=1'-0"
 Drawn: TIM

Drawing: BSM7/FOUNDATION PLAN
 Project: WILLIAMSBURG GROUP
 THE RUTLEDGE
 ESTATE HOME

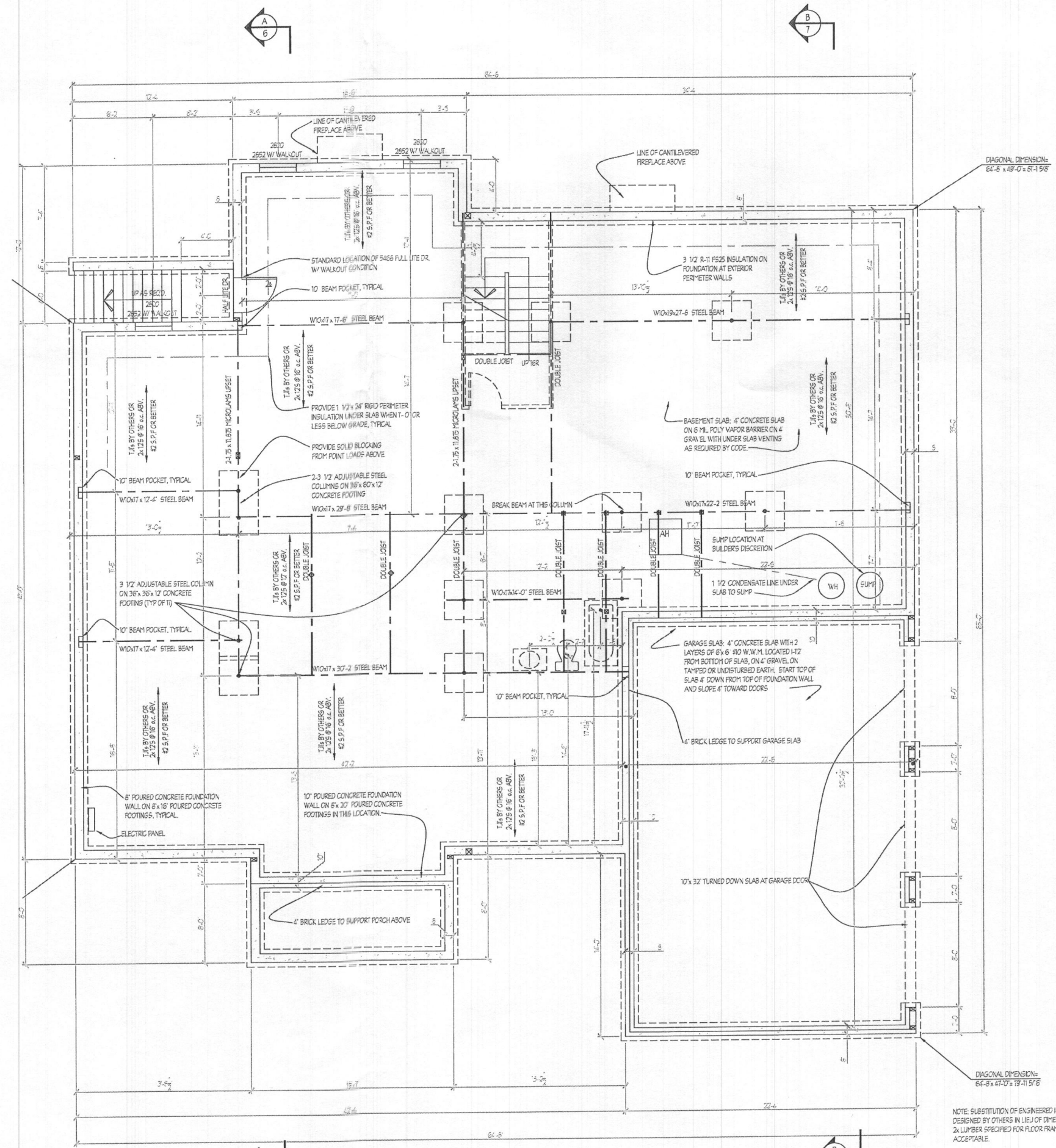
1067RE
 Project No.

2a

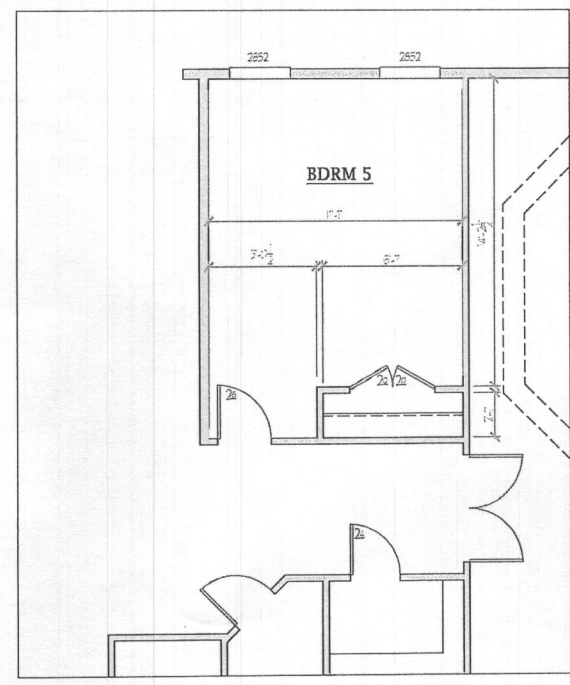
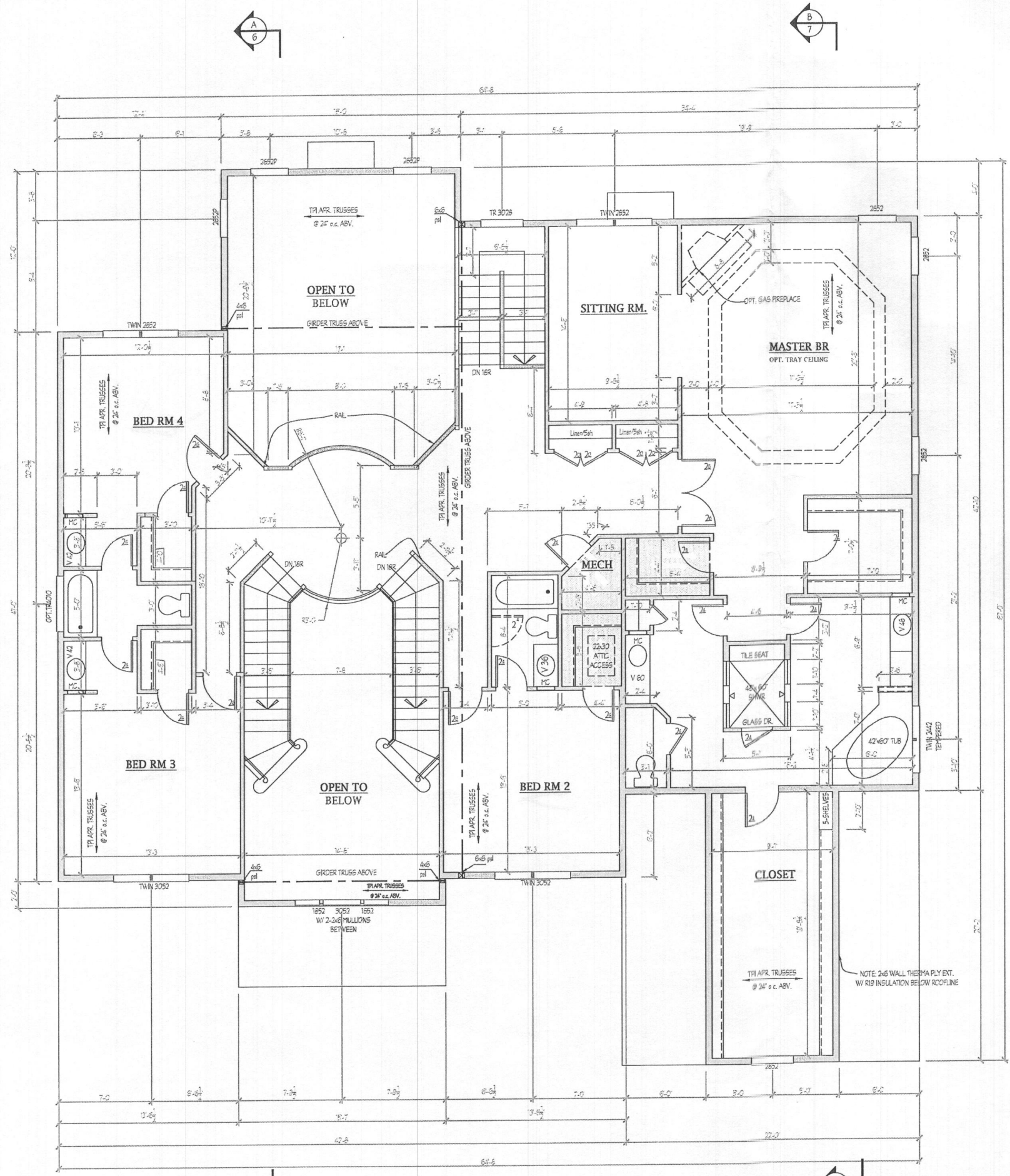
REVISED 1/17



FOUNDATION W/ BRICK FRONT

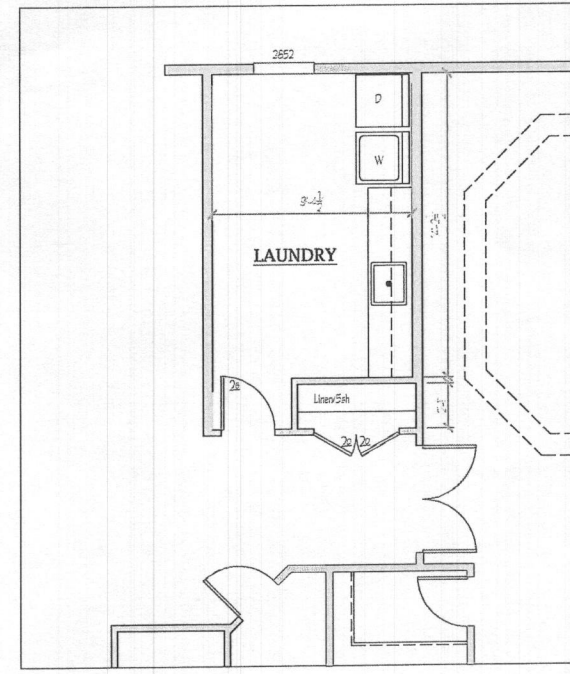


NOTE: SUBSTITUTION OF ENGINEERED JOISTS DESIGNED BY OTHERS IN LIEU OF DIMENSIONAL 2x LUMBER SPECIFIED FOR FLOOR FRAMING IS ACCEPTABLE.



OPT. FIFTH BDRM. PLAN

NOTE: MASTER BDRM GETS 2'-8" SHORTER IN THIS PLAN



OPT. SECOND FLOOR LAUNDRY PLAN

NOTES:
WINDOW HEADERS ARE: 30" to 36" - 2-2x6s
36" to 42" - 2-2x6s
42" to 60" - 2-2x12s
60" to 80" - 2-2x12s

WOOD COLUMNS SPECIFIED MAY BE BUILT UP OF 2x MEMBERS, FASTENED TOGETHER AS REQUIRED.

ALL EXTERIOR WALLS TO BE 2x6 @ 16" oc UNLESS OTHERWISE NOTED.

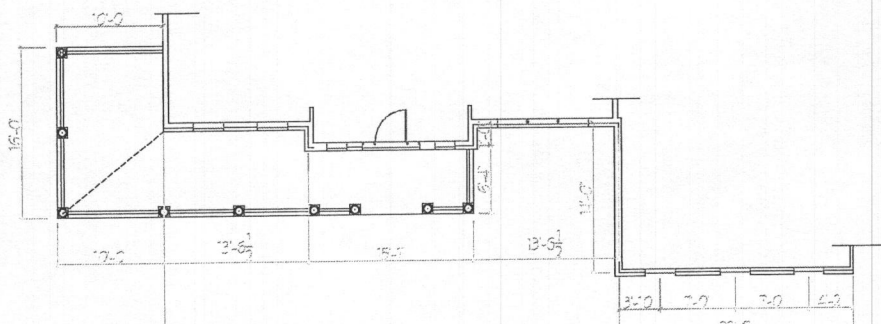
NOTE: SUBSTITUTION OF ENGINEER JOISTS DESIGNED BY OTHERS IN LIEU OF DIMENSIONAL 2x LUMBER SPECIFIED FOR FLOOR FRAMING IS ACCEPTABLE.

DATE	REVISION	DATE	REVISION
8/15	added 18" stair		

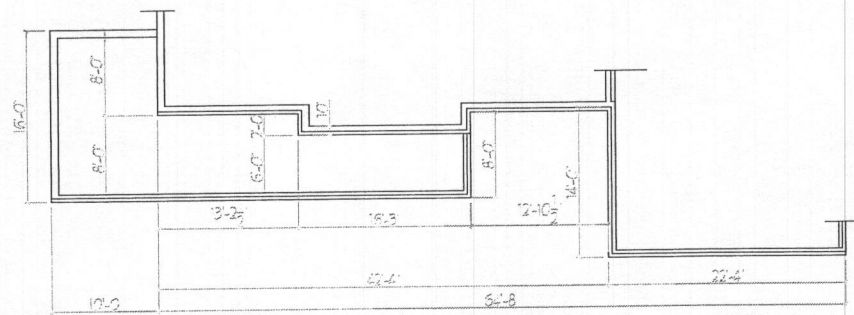
Date: 5/15
Scale: 1/4"=1'-0"
Drawn: TIM

Drawing: SECOND FLOOR PLAN
Project: WILLIAMSBURG GROUP
THE RUTLEDGE ESTATE HOME

1067 RE
Project No.

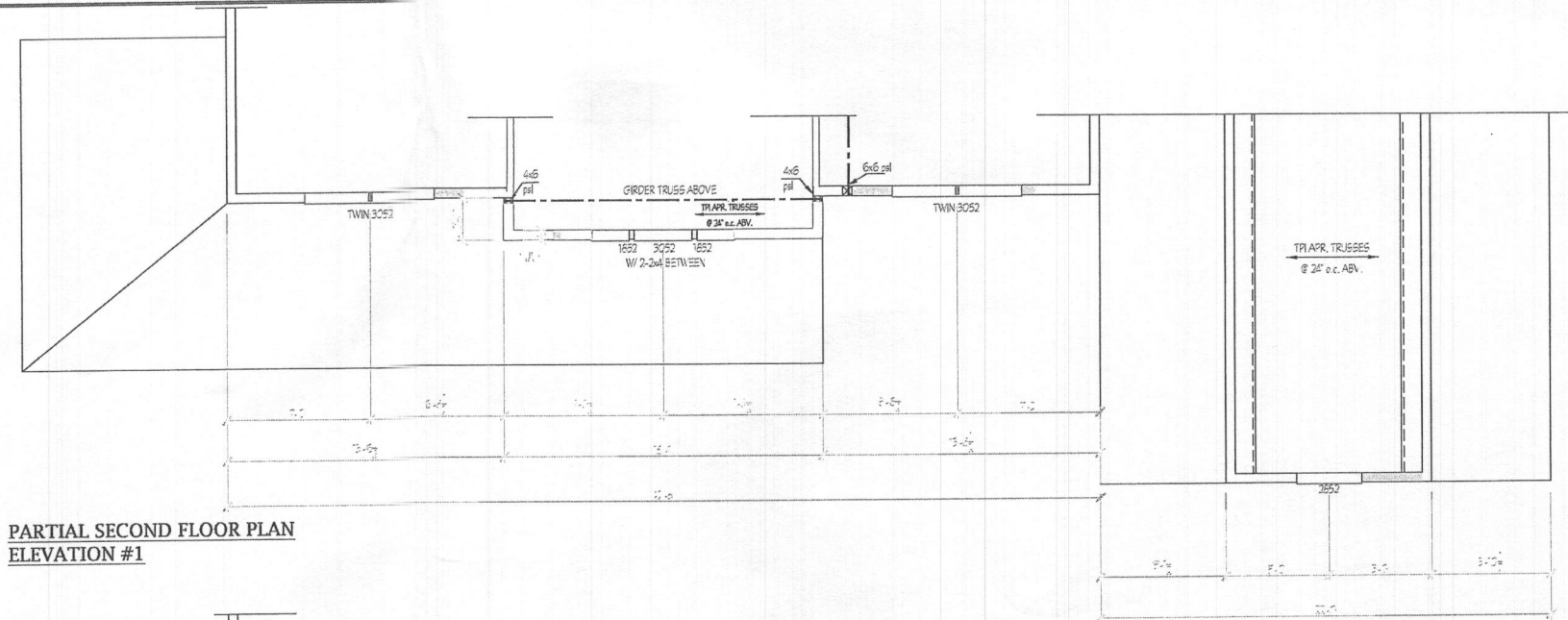


**PARTIAL FIRST FLOOR PLAN
 ELEVATION #1-BRICK FRONT**

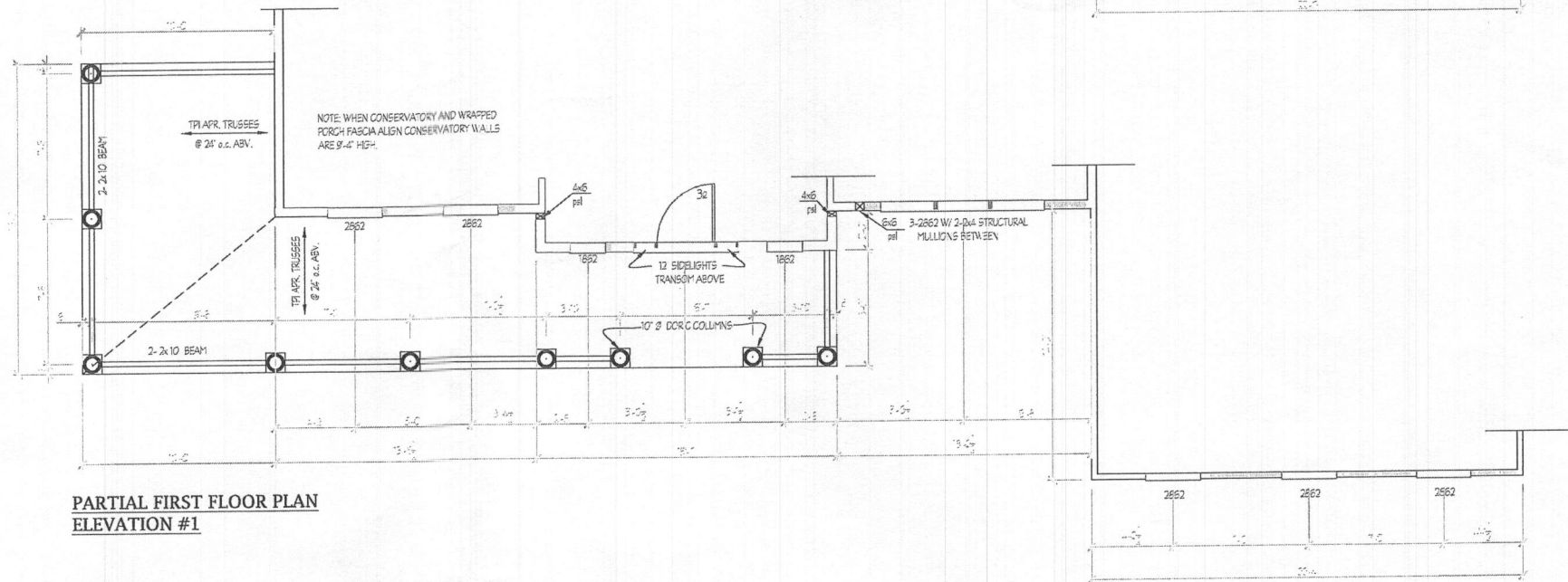


**PARTIAL FOUNDATION PLAN
 ELEVATION #1- BRICK FRONT**

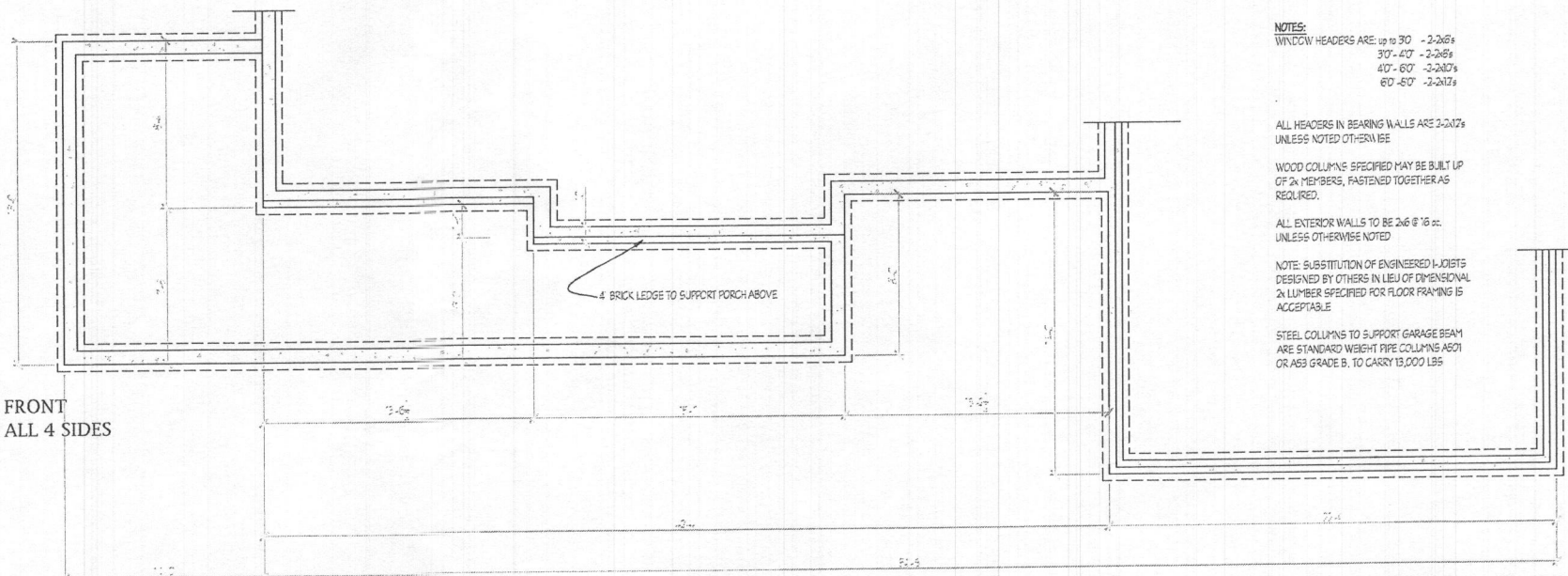
OVERALL DEPTH -41'-0"
 41'-4" W/ BRICK FRONT
 41'-8" W/ BRICK ALL 4 SIDES



**PARTIAL SECOND FLOOR PLAN
 ELEVATION #1**



**PARTIAL FIRST FLOOR PLAN
 ELEVATION #1**



**PARTIAL FOUNDATION PLAN
 ELEVATION #1**

NOTES:
 WINDOW HEADERS ARE: up to 30' - 2-2x6s
 30' - 40' - 2-2x8s
 40' - 60' - 2-2x10s
 60' - 80' - 2-2x12s
 ALL HEADERS IN BEARING WALLS ARE 2-2x12s UNLESS NOTED OTHERWISE
 WOOD COLUMNS SPECIFIED MAY BE BUILT UP OF 2x MEMBERS, FASTENED TOGETHER AS REQUIRED.
 ALL EXTERIOR WALLS TO BE 2x6 @ 16" oc. UNLESS OTHERWISE NOTED
 NOTE: SUBSTITUTION OF ENGINEERED JOISTS DESIGNED BY OTHERS IN LIEU OF DIMENSIONAL 2x LUMBER SPECIFIED FOR FLOOR FRAMING IS ACCEPTABLE
 STEEL COLUMNS TO SUPPORT GARAGE BEAM ARE STANDARD WEIGHT PIPE COLUMNS A601 OR A653 GRADE B, TO CARRY 13,000 LBS

DATE	REVISION

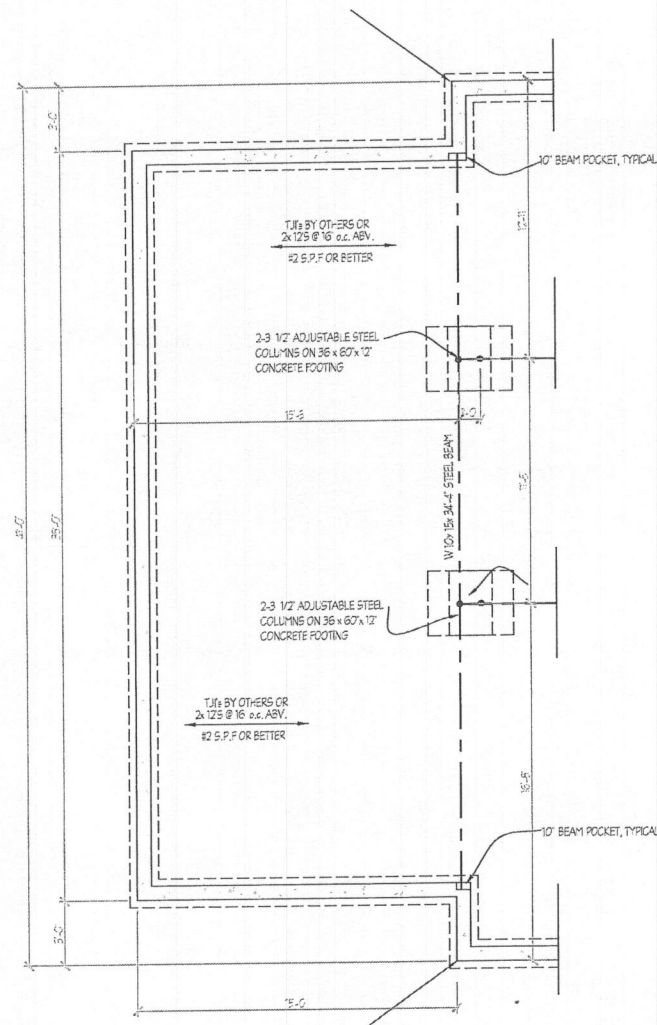
Date: 5/15
 Scale: 1/4" = 1'-0"
 Drawn: TIM

Drawing: PARTIAL PLANS - ELEVATION 1 PORCH
 Project: WILLIAMSBURG GROUP
 THE RUTLEDGE ESTATE HOME

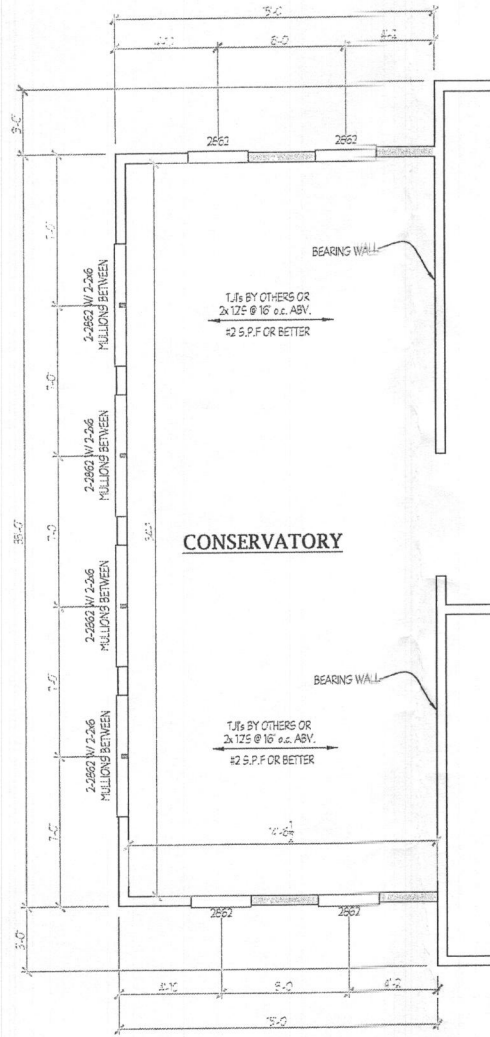
1067 RE
 Project No.

5a

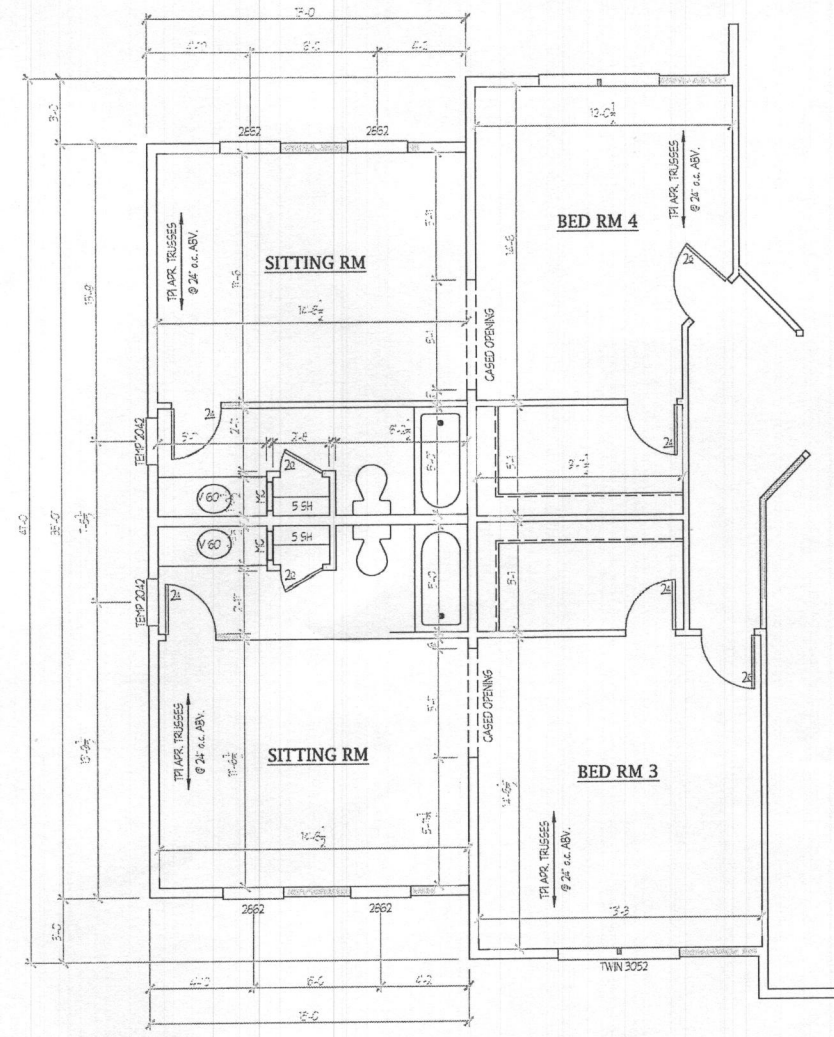
REVISED 3/17



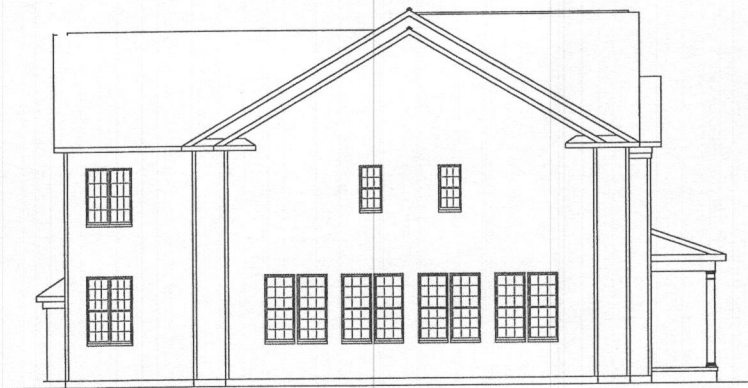
BASEMENT PLAN
SCALE - 1/4" = 1'-0"



FIRST FLOOR PLAN
SCALE - 1/4" = 1'-0"



SECOND FLOOR PLAN
SCALE - 1/4" = 1'-0"



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



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

Plymouth Road Architects
640 Plymouth Road Baltimore, MD 21229
Phone: 410-788-0281 arch@plymouth-road.com

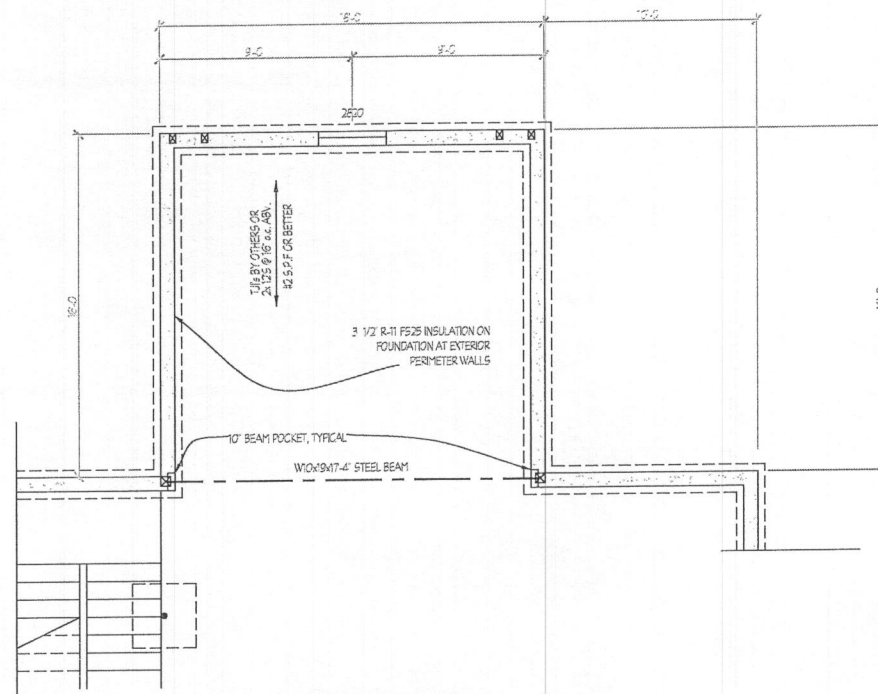
Notes:

Drawing: TWO STORY OPTION
Project: WILLIAMSBURG GROUP
RUTLEDGE
ESTATE HOME

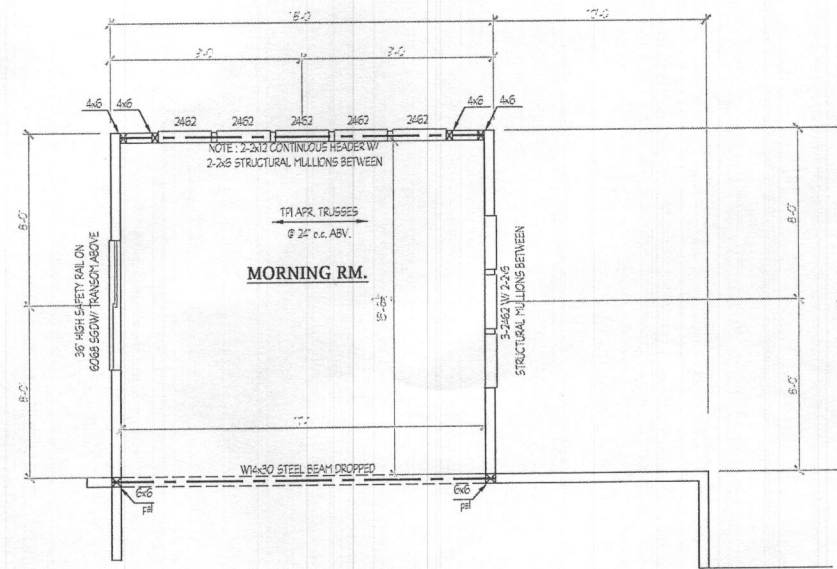
Project No.: 1067 RE
Date: 5/15
Scale: NOTED



REVISED 1/17



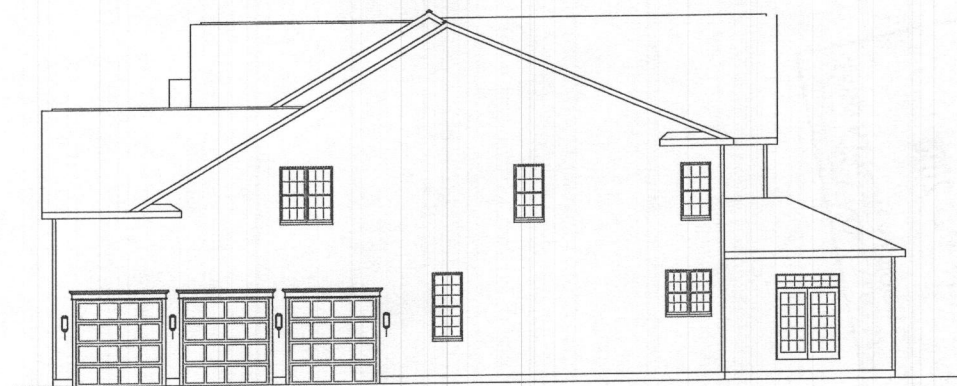
FOUNDATION PLAN - SCALE - 1/4" = 1'-0"



FIRST FLOOR PLAN - SCALE - 1/4" = 1'-0"



REAR ELEVATION - SHOWN W/ OPT. MORNING RM.
SCALE - 1/8" = 1'-0"



RIGHT SIDE ELEVATION - SHOWN W/ OPT. MORNING RM.
SCALE - 1/8" = 1'-0"

Plymouth Road Architects
640 Plymouth Road Baltimore, MD 21229
Phone: 410-788-0281 arch@plymouth-road.com

Notes: CHANGED SGD AND WINDOW

Drawing: OPT. MORNING RM.

Project: WILLIAMSBURG GROUP
RUTLEDGE
ESTATE HOME

Project No.: 1067 RE

Date: 5/15

Scale: NOTED



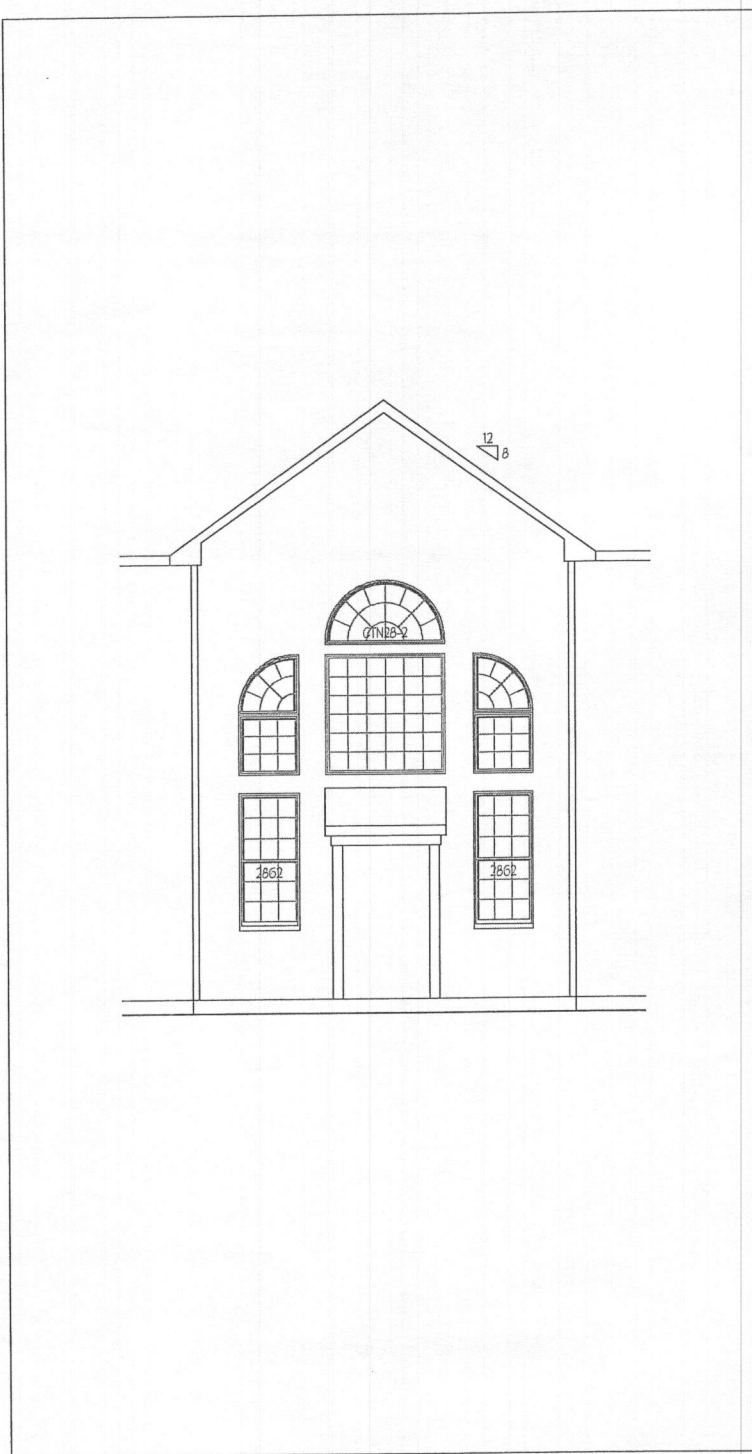
REVISED 3/17

DATE	REVISION

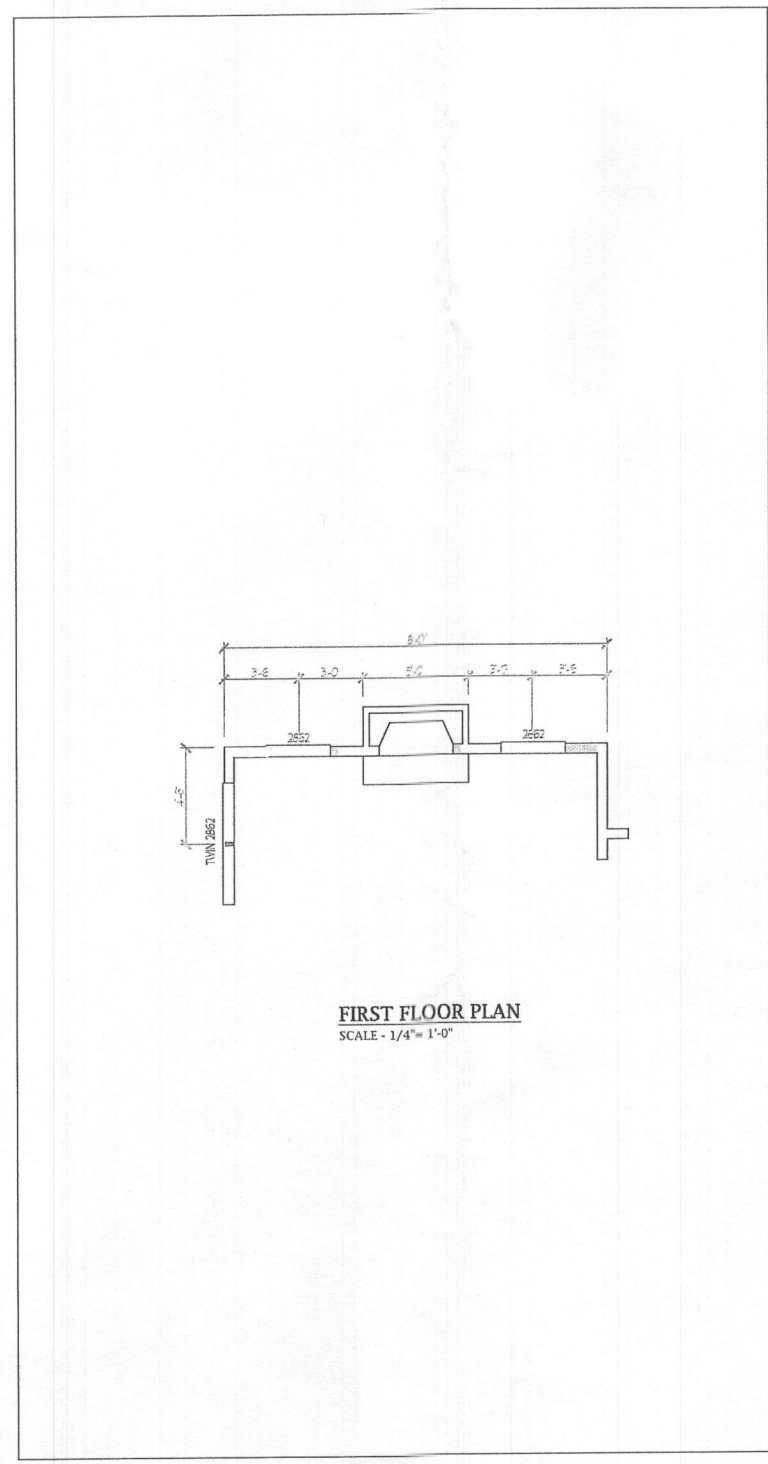
Date: 5/15
 Scale: 1/4" = 1'-0"
 Drawn: TIM
 Checked:

Drawing: OPTIONAL WALL OF WINDOWS
 Project: WILLIAMSBURG GROUP
 THE RUTLEDGE
 ESTATE HOME

1067 RE
 Project No.



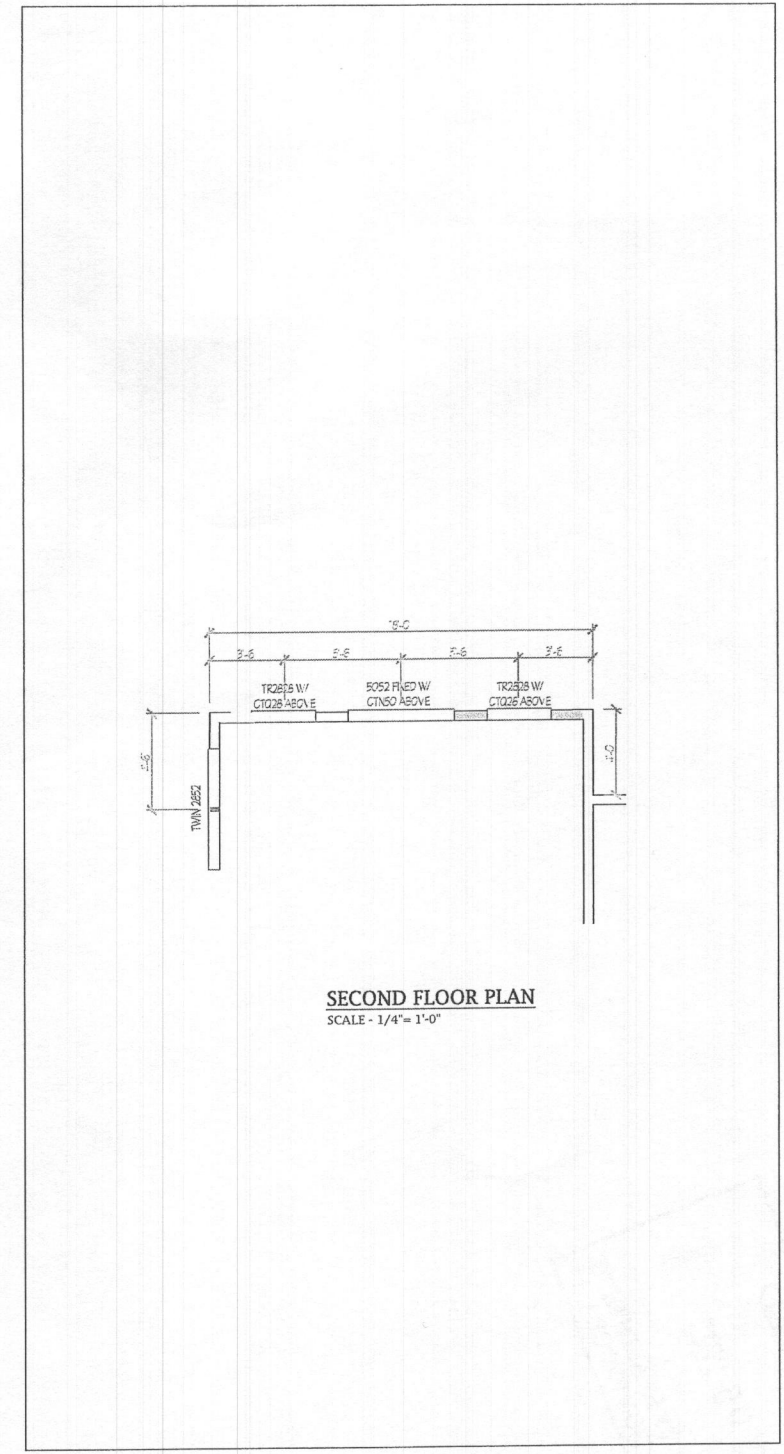
PARTIAL REAR LEVATION



FIRST FLOOR PLAN
 SCALE - 1/4" = 1'-0"

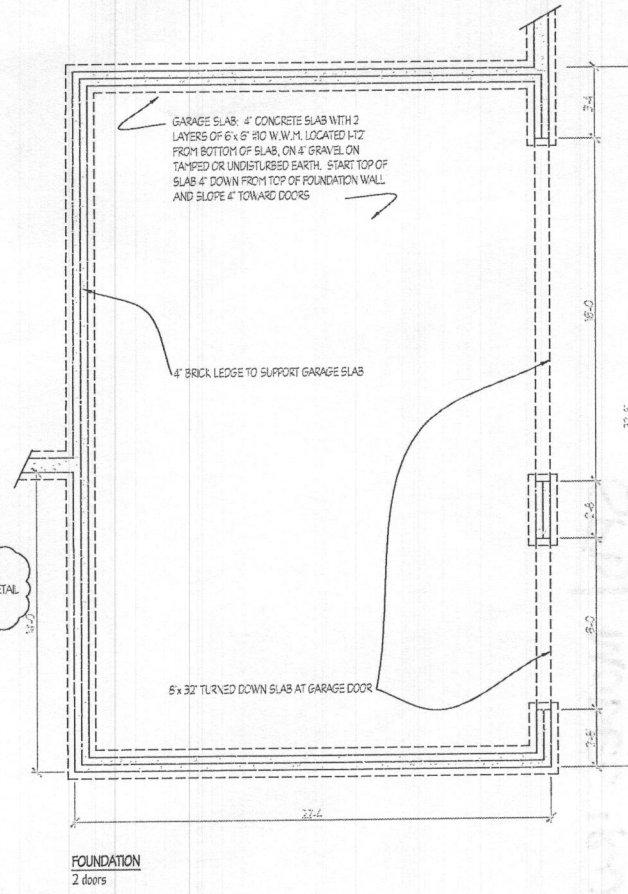
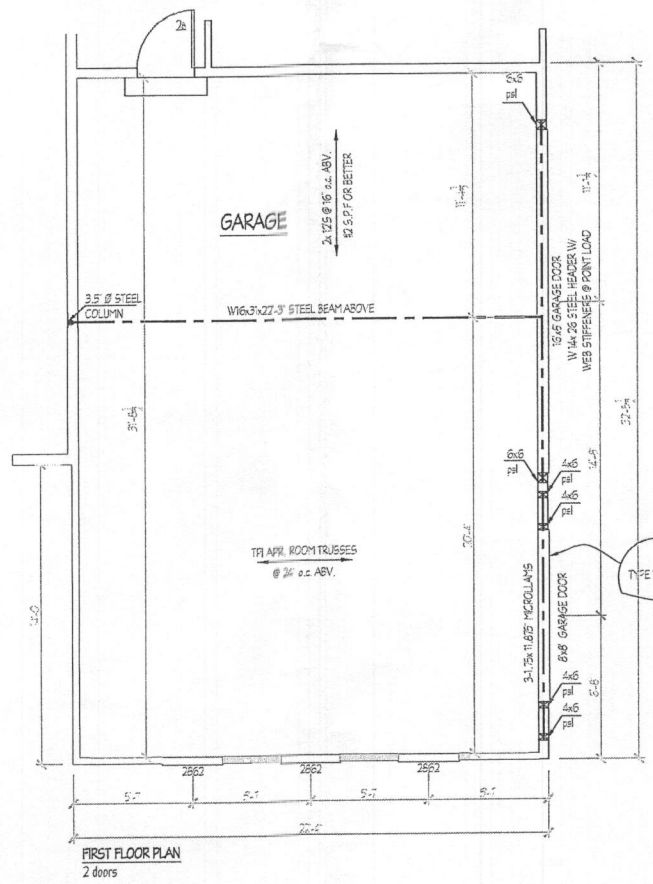
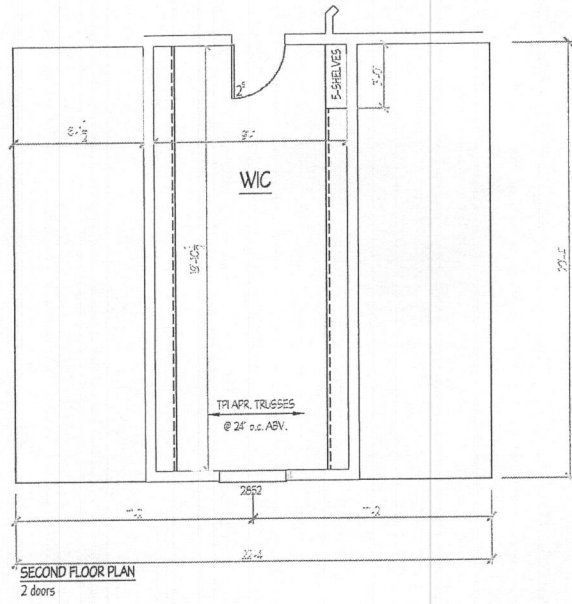
PARTIAL FIRST FLOOR PLAN

NOTE: STANDARD WALL OF
 WINDOWS FOR RUTLEDGE
 MODEL



SECOND FLOOR PLAN
 SCALE - 1/4" = 1'-0"

PARTIAL SECOND FLOOR PLAN



REVISED 3/17

Plymouth Road Architects
640 Plymouth Road, Catonsville, MD 21229 410-788-0281

DATE	REVISION	DATE	REVISION

Date: 5/13
Scale: 1/4" = 1'-0"
Drawn: TIM

Drawing: 3 CAR SIDE LOAD GARAGE PLANS
Project: WILLIAMSBURG GROUP
RUTLEDGE

1067.R
Project No.



SEEDING AND MULCHING

1. A PRE-CONSTRUCTION MEETING MUST OCCUR WITH THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS... CONSTRUCTION INSPECTION DIVISION (CID) 410-213-1855 AFTER THE PROJECT L.O.D. AND PROTECTED AREAS ARE MARKED CLEARLY IN THE FIELD. A MINIMUM OF 48 HOURS NOTICE TO CID MUST BE GIVEN AT THE FOLLOWING STAGES:

- a. PRIOR TO THE START OF CONSTRUCTION OR OPENING OF ANOTHER GRADING UNIT.
b. UPON COMPLETION OF THE INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
c. PRIOR TO THE START OF ANOTHER PHASE OF CONSTRUCTION OR OPENING OF ANOTHER GRADING UNIT.
d. PRIOR TO THE REMOVAL OR MODIFICATION OF SEDIMENT CONTROL PRACTICES.

OTHER BUILDING OR GRADING APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION DIVISION AND OTHER RELATED STATE AND FEDERAL PERMITS ARE REFERENCED, TO ENSURE COORDINATION AND TO AVOID CONFLICTS WITH THIS PLAN.

- 2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, AND REVISIONS THERETO. FOLLOWING WITHIN SOIL EROSION AND SEDIMENT CONTROL, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 3 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, PERMETER SLOPES AND ALL SLOPES GREATER THAN 1:1, 7 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
3. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION IS REQUIRED WITHIN THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DICES, SLOPES, DITCHES, PERMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1), AND SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED AREAS ON THE PROJECT SITE EXCEPT FOR THOSE AREAS UNDER ACTIVE GRADING.

- 4. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, FOR TOPSOIL (Sec. B-4-2), PERMANENT SEEDING (Sec. B-4-3), TEMPORARY SEEDING (Sec. B-4-4), OR MULCHING (Sec. B-4-5). TEMPORARY SEEDING (Sec. B-4-4) SHALL APPLY BETWEEN THE FALL AND SPRING SEEDING DATES IF THE GROUND IS FROZEN, INCREMENTAL STABILIZATION (Sec. B-4-1) SPECIFICATIONS SHALL APPLY IN AREAS WITH ANY CUT OR FILL. STOCKPILES (Sec. B-4-6) SHALL BE PROTECTED BY A MINIMUM OF 20 FT. MUST BE BOUND WITH STABLE OUTLET, ALL CONCENTRATED FLOW EXCESS AND HIGHLY ERODIBLE AREAS SHALL RECEIVE SOIL STABILIZATION MULCHING (Sec. B-4-5).
5. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE, AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

- 6. SITE ANALYSIS:
TOTAL AREA OF SITE (LOT 7) : 1.374 AC.
AREA DISTURBED : 1.364 AC.
AREA TO BE ROOFED OR PAVED : 0.194 AC.
AREA TO BE VEGETATIVELY STABILIZED : 1.172 AC.
TOTAL CUT : 1.02± CY
TOTAL FILL : 1.02± CY
OFF-SITE WASTE/BORROW AREA LOCATION : NONE.
7. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF PLAN OR OTHER REASON, SHALL BE REINSTALLED OR REPAIRED IMMEDIATELY. ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED IF DEEMED NECESSARY BY THE CID. THE SITE AND ALL CONTROLS SHALL BE INSPECTED BY THE CONTRACTOR WEEKLY, AND THE NEXT DAY AFTER EACH INSPECTION A WRITTEN REPORT MUST BE MADE AVAILABLE UPON REQUEST, AS PART OF EVERY INSPECTION AND SHOULD INCLUDE:
- INSPECTION DATE
- INSPECTION TYPE (ROUTINE, PRE-STORM EVENT, DURING RAIN EVENT)
- NAME AND TITLE OF INSPECTOR
- WEATHER INFORMATION (CURRENT CONDITIONS AS WELL AS TIME AND AMOUNT OF LAST RECORDED PRECIPITATION)
- BRIEF DESCRIPTION OF PROJECTS STATUS (E.G., PERCENT COMPLETE) AND/OR CURRENT ACTIVITIES
- EVIDENCE OF SEDIMENT DISCHARGES
- IDENTIFICATION OF PLAN OR OTHER REASON FOR DISTURBANCE
- IDENTIFICATION OF SEDIMENT CONTROL THAT REQUIRES MAINTENANCE
- IDENTIFICATION OF MISSING OR IMPROPERLY INSTALLED SEDIMENT CONTROLS
- COMPLIANCE STATUS REGARDING THE SEQUENCE OF CONSTRUCTION AND STABILIZATION (E.G., PERCENT COMPLETE)
- PHOTOGRAPHS
- MONITORING/SAMPLING
- MAINTENANCE AND/OR CORRECTIVE ACTION PERFORMED
- OTHER INSPECTION ITEMS AS REQUIRED BY THE GENERAL PERMIT FOR STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES (NPDES).

- 9. TRENCHES FOR THE CONSTRUCTION OF UTILITIES ARE LIMITED TO THREE (3) FEET LENGTHS OR THAT WHICH CAN AND SHALL BE QUICKLY FILLED AND STABILIZED BY THE END OF EACH WORKDAY, WHICHEVER IS SHORTER.
10. ANY MAJOR CHANGES OR REVISIONS TO THE PLAN OR SEQUENCE OF CONSTRUCTION MUST BE REVIEWED AND APPROVED BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. REVISIONS MAY ALLOWED BY THE CID PER THE LIST OF HSD-APPROVED FIELD CHANGES.
11. DISTURBANCE SHALL NOT OCCUR OUTSIDE THE L.O.D. A PROJECT IS TO BE SEQUENCED SO THAT GRADING ACTIVITIES BEGIN ON ONE GRADING UNIT (MAXIMUM ACREAGE OF 20 AC. PER GRADING UNIT) AT A TIME, WITH NO MORE THAN A SUBSEQUENT GRADING UNIT WHEN AT LEAST 50 PERCENT OF THE DISTURBED AREA IN THE PRECEDING GRADING UNIT HAS BEEN STABILIZED AND APPROVED BY THE CID. GRADING UNITS SHALL BE SEQUENCED TO AVOID WASH MORE THAN 30 AC. CUMULATIVELY, MAY BE DISTURBED AT A GIVEN TIME.
12. WASH WATER FROM ANY EQUIPMENT, VEHICLES, WHEELS, PAVEMENT, AND OTHER SOURCES MUST BE TREATED IN A SEDIMENT BASIN OR OTHER APPROVED WASHOUT STRUCTURE.
13. TOPSOIL SHALL BE STOCKPILED AND PRESERVED ON-SITE FOR REDISTRIBUTION UNTIL FINAL GRADE.
14. ALL SILT FENCE AND SUPER SILT FENCE SHALL BE PLACED ON THE CONTOUR, AND BE SPACED AT 200 FEET MINIMUM INTERVALS, WITH LOWER ENDS CURVED UPHILL BY 2' IN ELEVATION.
15. STREAM CHANNELS MUST NOT BE DISTURBED DURING THE FOLLOWING RESTRICTED TIME PERIODS (INCLUDING BUT NOT LIMITED TO):
- USE IN W/ MARCH 1 - JUNE 15
- USE IN W/ APRIL 1 - APRIL 30
- USE IN W/ MARCH 1 - MAY 31
- USE IN W/ APRIL 1 - MAY 31

PERMANENT SEEDING SUMMARY table with columns: SPECIES, APPLICATION RATE, SEEDING DATE, SEEDING DEPTH, FERTILIZER RATE, LIME RATE, REMARKS.

1. PLANTING DATES LISTED OR RANGE FOR THE HARDNESS ZONE INDICATED. THESE DATES MAY REQUIRE ADJUSTMENT TO REFLECT LOCAL CONDITIONS, ESPECIALLY NEAR THE BOUNDARIES OF THE ZONE. WHEN SEEDING TOWARD THE END OF THE SEEDING PERIOD, SEEDING DATES ARE EXPECTED TO BE LATER THAN THE DATES LISTED.

- 2. SOIL TO PROVIDE QUICK COVER ON DISTURBED AREAS (2:1 GRADE OR FLATTER).

B-4-4 STANDARDS AND SPECIFICATIONS FOR TEMPORARY STABILIZATION

TO STABILIZE DISTURBED SOILS WITH VEGETATION FOR UP TO 6 MONTHS.

DEFINITION: TO USE FAST-GROWING VEGETATION THAT PROVIDES COVER ON DISTURBED SOILS. CONDITIONS WHERE PRACTICE APPLIES EXPOSED SOILS WHERE GROUND COVER IS NEEDED FOR A PERIOD OF 6 MONTHS OR LESS, PER PERMANENT STABILIZATION PRACTICES ARE REQUIRED.

CRITERIA: 1. SELECT ONE OR MORE OF THE SPECIES OR SEED MIXTURES LISTED IN TABLE B.3 FOR THE PERMANENT PLANT HARDNESS ZONE (FROM FIGURE B.3) AND ENTER THEM IN THE TEMPORARY SEEDING SUMMARY BELOW ALONG WITH APPLICATION RATES, SEEDING DATES AND SEEDING DEPTHS. THIS SUMMARY IS NOT TO BE PUT ON THE PLAN. THEN TABLE B.1 PLUS FERTILIZER AND LIME RATES MUST BE PUT ON THE PLAN. THE TESTS HAVING SOIL TESTS PERFORMED. USE AND SHOW THE RECOMMENDED TEMPORARY SEEDING MIXTURES AND SEEDING DEPTHS AS REQUIRED FOR TEMPORARY SEEDING.

3. WHEN STABILIZATION IS REQUIRED OUTSIDE OF A SEEDING SEASON, APPLY SEED AND MULCH OR STRAW MULCH ALONG AS PRESCRIBED IN SECTION B-4-3.1.1.8 AND MAINTAIN UNTIL THE NEXT SEEDING SEASON.

TEMPORARY SEEDING SUMMARY table with columns: SPECIES, APPLICATION RATE, SEEDING DATE, SEEDING DEPTH, FERTILIZER RATE, LIME RATE.

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.

DEVELOPER/BUILDER'S CERTIFICATION: I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HSDC.

ENGINEER'S CERTIFICATE: I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY CONSERVATION DISTRICT.

GLW logo and contact information: 3809 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20896 | GLW.COM

B-4-3 STANDARDS AND SPECIFICATIONS FOR PERMANENT STABILIZATION

TO STABILIZE DISTURBED SOILS WITH PERMANENT VEGETATION.

DEFINITION: TO USE LONG-LIVED PERENNIAL GRASSES AND LEGUMES TO ESTABLISH PERMANENT GROUND COVER ON DISTURBED SOILS.

CRITERIA: 1. SELECT ONE OR MORE OF THE SPECIES OR MIXTURES LISTED IN TABLE B.3 FOR THE APPROPRIATE PLANT HARDNESS ZONE (FROM FIGURE B.3) AND BASED ON THE SITE CONDITION OR PERFORMED SOIL TESTS (ENTER SELECTED MIXTURES, APPLICATION RATES, AND SEEDING DATES IN THE PERMANENT SEEDING SUMMARY. THE SUMMARY IS TO BE PLACED ON THE PLAN.

- 2. ADDITIONAL PLANTING SPECIFICATIONS FOR EXCEPTIONAL SITES SUCH AS SHORELINES, STREAM BANKS, OR DUNES OR SPECIAL PURPOSES SUCH AS WILDLIFE OR AESTHETIC TREATMENT MAY BE FOUND IN USDA-NRCS TECHNICAL FIELD OFFICE GUIDE, SECTION 343 - CRITICAL AREA PLANTING.
3. FOR SITES HAVING DISTURBED AREA OVER 5 ACRES, USE AND SHOW THE RATES RECOMMENDED BY THE SOIL TESTING AGENCY.
4. FOR AREAS RECEIVING LOW MAINTENANCE, APPLY UREA FORM FERTILIZER (48-0-0) AT 1/2 POUNDS PER 1000 SQUARE FEET (150 POUNDS PER ACRE) AT THE TIME OF SEEDING IN ADDITION TO THE SOIL AMENDMENTS SHOWN IN THE PERMANENT SEEDING SUMMARY.

- 5. AREAS WHERE TURFGRASS MAY BE DESIRED INCLUDE LAWNS, PARKS, PLAYGROUNDS, AND COMMERCIAL SITES WHICH WILL RECEIVE A MEDIUM TO HIGH LEVEL OF MAINTENANCE.
6. SELECT ONE OR MORE OF THE SPECIES OR MIXTURES LISTED BELOW BASED ON THE SITE CONDITIONS OR PURPOSES (ENTER SELECTED MIXTURES, APPLICATION RATES, AND SEEDING DATES IN THE PERMANENT SEEDING SUMMARY. THE SUMMARY IS TO BE PLACED ON THE PLAN.

- 1. KENTUCKY BLUEGRASS: FULL SUN MIXTURE; FOR USE IN AREAS THAT RECEIVE INTENSIVE MAINTENANCE (REGULAR IRRIGATION IN THE AREAS OF COURSE) WITH FULL SUN TO INTENSIVE MAINTENANCE CERTIFIED PERENNIAL TURFGRASS CULTIVARS/CERTIFIED KENTUCKY BLUEGRASS SEEDING RATE: 2 POUNDS MIXTURE PER 1000 SQUARE FEET, CHOICE OF 1 TO 35 POUNDS PER 1000 SQUARE FEET, CHOICE OF 1 TO 35 PERCENT OF THE TOTAL MIXTURE BY WEIGHT.
2. TALL FESCUE/KENTUCKY BLUEGRASS: FULL SUN MIXTURE; FOR USE IN DROUGHT PRONE AREAS AND/OR FOR AREAS RECEIVING LOW TO MEDIUM MAINTENANCE. RECOMMENDED MIXTURE INCLUDES: CERTIFIED TALL FESCUE CULTIVARS 95 TO 100 PERCENT, CERTIFIED KENTUCKY BLUEGRASS CULTIVARS 5 TO 5 PERCENT. SEEDING RATE: 5 TO 8 POUNDS PER 1000 SQUARE FEET, ONE OR MORE CULTIVARS MAY BE BLENDED.

- 3. KENTUCKY BLUEGRASS/PERENNIAL RYE: FULL SUN MIXTURE; FOR USE IN FULL SUN AREAS WITH MODERATE TO HIGH MAINTENANCE. RECOMMENDED MIXTURE INCLUDES: CERTIFIED PERENNIAL RYEGRASS CULTIVARS 30 TO 40 PERCENT, CERTIFIED KENTUCKY BLUEGRASS CULTIVARS 70 TO 70 PERCENT. SEEDING RATE: 1.5 TO 2 POUNDS PER 1000 SQUARE FEET, CHOICE OF 1 TO 35 PERCENT OF THE TOTAL MIXTURE BY WEIGHT.
4. KENTUCKY BLUEGRASS/FINE FESCUE: SHADE MIXTURE; FOR USE IN AREAS WITH SHADE IN FULL SUN TO PARTIAL SHADE. RECOMMENDED MIXTURE INCLUDES: CERTIFIED FINE FESCUE CULTIVARS 30 TO 40 PERCENT, CERTIFIED KENTUCKY BLUEGRASS CULTIVARS 70 TO 70 PERCENT. SEEDING RATE: 1.5 TO 2 POUNDS PER 1000 SQUARE FEET, CHOICE OF 1 TO 35 PERCENT OF THE TOTAL MIXTURE BY WEIGHT.

- 5. SELECT TURFGRASS VARIETIES FROM THOSE LISTED IN THE MOST CURRENT UNIVERSITY OF MARYLAND PUBLICATION, AGRONOMY MEMO #77, "TURFGRASS CULTIVAR RECOMMENDATIONS FOR MARYLAND".
6. CHOOSE CERTIFIED MATERIAL. CERTIFIED MATERIAL IS THE BEST GUARANTEE OF CULTIVAR PURITY. THE CERTIFICATION PROGRAM OF THE MARYLAND DEPARTMENT OF AGRICULTURE, TURF AND SEED SECTION, PROVIDES A RELIABLE MEANS OF CONSUMER PROTECTION AND ASSURES A PURE GENETIC LINE.

- 7. IDEAL TIMES OF SEEDING FOR TURF GRASS MIXTURES: WESTERN MARYLAND: MARCH 15 TO JUNE 1, AUGUST 1 TO OCTOBER 1 (HARDNESS ZONE: 6b, 6a) CENTRAL MARYLAND: MARCH 15 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDNESS ZONE: 6b) EASTERN MARYLAND: MARCH 15 TO MAY 15, AUGUST 15 TO OCTOBER 15 (HARDNESS ZONE: 7a, 7b)
8. TILL AREAS TO RECEIVE SEED BY DISKING OR OTHER APPROVED METHODS TO A DEPTH OF 2 TO 4 INCHES, LEVEL, AND RAKE THE AREAS TO PREPARE A PROPER SEEDING BED. REMOVE STONES AND DEBRIS OVER 1/2 INCHES IN DIAMETER. THE RESULTING SEEDBED MUST BE IN SUCH CONDITION THAT FUTURE MOISTURE OF GRASSES WILL POSE NO DIFFICULTY.

- 9. IF SOIL MOISTURE IS DEFICIENT, SUPPLY NEAR SEEDINGS WITH ADEQUATE WATER FOR PLANT GROWTH (1/2 TO 1 INCH EVERY 3 TO 4 DAYS DEPENDING ON SOIL TEXTURE) UNTIL THEY ARE FULLY ESTABLISHED. THIS IS ESPECIALLY TRUE FOR SEEDINGS MADE LATE IN THE PLANTING SEASON, IN ANOMALY DRY OR HOT SEASONS, OR ON ADVERSE SITES.
10. PERFORM MULCH ANCHORING IMMEDIATELY FOLLOWING APPLICATION OF MULCH TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS (LISTED BY PREFERENCE), DEPENDING UPON THE SIZE OF THE AREA AND EROSION HAZARD:
- A MULCH ANCHORING TOOL IS A TRACTOR DRAWN IMPLEMENT DESIGNED TO PUNCH AND ANCHOR MULCH INTO THE SOIL SURFACE A MINIMUM OF 2 INCHES. THIS PRACTICE IS MOST EFFECTIVE ON LAKE BEDS, BUT IS USED ON SLOPING LAND. THIS PRACTICE SHOULD FOLLOW THE CONTOUR.
- WOOD CELLULOSE FIBER MULCH MAY BE USED FOR ANCHORING STRAW APPLY THE FIBER BINDER AT A NET DRY WEIGHT OF 700 POUNDS PER ACRE. MIX THE WOOD CELLULOSE FIBER WITH WATER AT A RATIO OF 1:1.5 TO 2.0.
- ASPHALT BINDER IS THE PREFERRED METHOD FOR ANCHORING MULCH ON FLATTER SLOPES WHERE EQUIPMENT CAN OPERATE SAFELY. IF USED ON SLOPING LAND, THIS PRACTICE SHOULD FOLLOW THE CONTOUR.

- 11. ACCESS WATER RUNOFF INTO THE STOCKPILE AREA MUST BE MINIMIZED BY USE OF A DIVERSION DITCH SUCH AS AN EARTH DITCH, TERRA MANUFACTURER, OR DIVERSION EROSION MANNER. PROVISIONS MUST BE MADE FOR DISCHARGING CONCENTRATED FLOW A MINIMUM OF 10 FEET FROM THE STOCKPILE AREA.
12. THESE RUNOFF CONCENTRATES ALONG THE TOE OF THE STOCKPILE, AN APPROPRIATE EROSION/SEDIMENT CONTROL PRACTICE MUST BE USED TO INTERCEPT THE DISCHARGE. STOCKPILES MUST BE STABILIZED IN ACCORDANCE WITH THE 3:1 CUT STABILIZATION REQUIREMENT AS WELL AS STANDARD B-4-1 INCREMENTAL STABILIZATION AND STANDARD B-4-4 TEMPORARY STABILIZATION.

- 13. IF THE STOCKPILE IS LOCATED ON AN INTERMEDIATE SLOPE, AN EARTH SHOULD BE PROVIDED BELOW THE STOCKPILE TO FACILITATE CLEANER STOCKPILE CONTAINING CONTAMINATED MATERIAL MUST BE COVERED WITH IMPERMEABLE SHEETING.
14. THE STOCKPILE AREA MUST CONTINUE TO MEET THE REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION. SOIL SURFACES MUST BE MAINTAINED AT NO GREATER THAN A 2:1 SLOPE. STOCKPILE AREA MUST BE KEPT FREE OF EROSION. IF THE VERTICAL HEIGHT OF A STOCKPILE EXCEEDS 20 FEET FOR 3:1 SLOPES, 30 FEET FOR 2:1 SLOPES, OR 40 FEET FOR 1:1 SLOPES, BORROWING MUST BE PROVIDED IN ACCORDANCE WITH SECTION B-3 LAND GRADING.

- 15. THE STOCKPILE LOCATION AND ALL RELATED SEDIMENT CONTROL PRACTICES MUST BE CLEARLY IDENTIFIED ON THE EROSION AND SEDIMENT CONTROL PLAN. THE STOCKPILE LOCATION MUST BE PROTECTED BY APPROPRIATELY DESIGNED EROSION AND SEDIMENT CONTROL MEASURES.
16. THE STOCKPILE LOCATION AND ALL RELATED SEDIMENT CONTROL PRACTICES MUST BE CLEARLY IDENTIFIED ON THE EROSION AND SEDIMENT CONTROL PLAN. THE STOCKPILE LOCATION MUST BE PROTECTED BY APPROPRIATELY DESIGNED EROSION AND SEDIMENT CONTROL MEASURES.

B-4-2 STANDARDS AND SPECIFICATIONS FOR STOCKPILE AREA

A MOUND OR PILE OF SOIL PROTECTED BY APPROPRIATELY DESIGNED EROSION AND SEDIMENT CONTROL MEASURES.

DEFINITION: TO PROVIDE A DESIGNATED LOCATION FOR THE TEMPORARY STORAGE OF SOIL THAT CONTROLS THE POTENTIAL FOR EROSION, SEDIMENTATION, AND CHANGES TO DRAINAGE PATTERNS. STOCKPILE AREAS ARE UTILIZED WHEN IT IS NECESSARY TO STORE SOIL TO BE USED FOR LATER USE.

CRITERIA: 1. THE STOCKPILE LOCATION AND ALL RELATED SEDIMENT CONTROL PRACTICES MUST BE CLEARLY IDENTIFIED ON THE EROSION AND SEDIMENT CONTROL PLAN. THE STOCKPILE LOCATION MUST BE PROTECTED BY APPROPRIATELY DESIGNED EROSION AND SEDIMENT CONTROL MEASURES.

- 2. ACCESS WATER RUNOFF INTO THE STOCKPILE AREA MUST BE MINIMIZED BY USE OF A DIVERSION DITCH SUCH AS AN EARTH DITCH, TERRA MANUFACTURER, OR DIVERSION EROSION MANNER. PROVISIONS MUST BE MADE FOR DISCHARGING CONCENTRATED FLOW A MINIMUM OF 10 FEET FROM THE STOCKPILE AREA.
3. THESE RUNOFF CONCENTRATES ALONG THE TOE OF THE STOCKPILE, AN APPROPRIATE EROSION/SEDIMENT CONTROL PRACTICE MUST BE USED TO INTERCEPT THE DISCHARGE. STOCKPILES MUST BE STABILIZED IN ACCORDANCE WITH THE 3:1 CUT STABILIZATION REQUIREMENT AS WELL AS STANDARD B-4-1 INCREMENTAL STABILIZATION AND STANDARD B-4-4 TEMPORARY STABILIZATION.

- 4. IF THE STOCKPILE IS LOCATED ON AN INTERMEDIATE SLOPE, AN EARTH SHOULD BE PROVIDED BELOW THE STOCKPILE TO FACILITATE CLEANER STOCKPILE CONTAINING CONTAMINATED MATERIAL MUST BE COVERED WITH IMPERMEABLE SHEETING.
5. THE STOCKPILE AREA MUST CONTINUE TO MEET THE REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION. SOIL SURFACES MUST BE MAINTAINED AT NO GREATER THAN A 2:1 SLOPE. STOCKPILE AREA MUST BE KEPT FREE OF EROSION. IF THE VERTICAL HEIGHT OF A STOCKPILE EXCEEDS 20 FEET FOR 3:1 SLOPES, 30 FEET FOR 2:1 SLOPES, OR 40 FEET FOR 1:1 SLOPES, BORROWING MUST BE PROVIDED IN ACCORDANCE WITH SECTION B-3 LAND GRADING.

- 6. THE STOCKPILE LOCATION AND ALL RELATED SEDIMENT CONTROL PRACTICES MUST BE CLEARLY IDENTIFIED ON THE EROSION AND SEDIMENT CONTROL PLAN. THE STOCKPILE LOCATION MUST BE PROTECTED BY APPROPRIATELY DESIGNED EROSION AND SEDIMENT CONTROL MEASURES.

B-4-1 STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING

THE APPLICATION OF SEED AND MULCH TO ESTABLISH VEGETATIVE COVER.

DEFINITION: TO PROTECT DISTURBED SOILS FROM EROSION DURING AND AT THE END OF CONSTRUCTION.

CRITERIA: 1. ALL SEED MUST MEET THE REQUIREMENTS OF THE MARYLAND STATE SEED LAW. ALL SEED MUST BE SUBJECT TO RE-TESTING BY A RECOGNIZED SEED LABORATORY. SEED MUST BE SUBJECT TO RE-TESTING WITHIN 6 MONTHS IMMEDIATELY PRECEDING THE DATE OF SOWING SUCH MATERIAL ON ANY PROJECT. REFER TO TABLE B.4 REGARDING THE QUALITY OF SEED. SEED TANKS MUST BE AVAILABLE UPON REQUEST TO THE INSPECTION TO VERIFY TYPE OF SEED AND SEEDING RATE.

- 2. MULCH APPLICATION MAY BE APPLIED BETWEEN THE FALL AND SPRING SEEDING DATES ONLY IF THE GROUND IS FROZEN. THE APPROPRIATE SEEDING MIXTURE MUST BE ONLY IF THE GROUND IS FROZEN. THE APPROPRIATE SEEDING MIXTURE MUST BE ONLY IF THE GROUND IS FROZEN. THE APPROPRIATE SEEDING MIXTURE MUST BE ONLY IF THE GROUND IS FROZEN.

STANDARDS AND SPECIFICATIONS FOR DUST CONTROL

CONTROLLING THE SUSPENSION OF DUST PARTICLES FROM CONSTRUCTION ACTIVITIES.

DEFINITION: TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES TO REDUCE ON AND OFF-SITE DAMAGE INCLUDING HEALTH AND TRAFFIC ACCIDENTS.

CRITERIA: 1. MULCHES: SEE SECTION B-4-2 SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS, SECTION B-4-3 SEEDING AND MULCHING, AND SECTION B-4-4 TEMPORARY STABILIZATION. MULCH MUST BE ANCHORED TO PREVENT BLOWING.

- 2. VEGETATIVE COVER: SEE SECTION B-4-4 TEMPORARY STABILIZATION.
3. TILLAGE: TILL TO ROUGHEN SURFACE AND BRING CLOSE TO THE SURFACE. BEEN FLOWING ON WINDWARD SIDE OF SITE, CHISEL-TYPE FLOWS SPACED ABOUT 12 INCHES APART, SPRING-TOOTHED HARROWS, AND SIMILAR FLOWS ARE EXAMPLES OF EQUIPMENT THAT MAY PRODUCE THE DESIRED EFFECT. PRODUCTION SPRINKLER SITES WITH WATER UNTIL THE SURFACE IS MOIST. REPEAT AS NEEDED. THE SITES MUST NOT BE WASHED TO THE POINT THAT RUNOFF OCCURS.

- 4. BARRIERS: SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW SALES, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.
5. BARRIERS: SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW SALES, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.
6. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 7. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
8. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 9. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
10. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 11. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
12. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 13. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
14. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 15. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
16. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 17. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
18. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 19. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
20. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 21. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
22. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 23. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
24. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 25. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
26. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 27. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
28. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 29. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
30. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 31. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
32. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 33. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
34. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 35. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
36. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 37. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
38. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 39. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
40. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 41. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
42. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 43. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
44. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 45. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
46. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 47. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
48. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 49. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
50. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 51. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
52. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 53. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
54. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 55. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
56. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

SEQUENCE OF CONSTRUCTION

1. APPLY FOR A GRADING PERMIT AND A BUILDING PERMIT.

2. IF THE HOUSE CONSTRUCTION AND ASSOCIATED GRADING WORK ON THIS LOT OCCURS WHILE THE F-07-0005 ROAD CONSTRUCTION WORK IS STILL ACTIVE, COORDINATE THE HOUSE CONSTRUCTION GRADING WORK WITH THE F-07-0005 ROAD CONSTRUCTION WORK. OTHERWISE, INSTALL THE SUPER SILT FENCE (SSF) AND STABILIZED CONSTRUCTION ENTRANCE (SCE) FOR THIS LOT AS SHOWN. SEDIMENT CONTROL INSPECTOR (SDCI) CAN UPDATE SFF TO SSF AT THEIR DISCRETION.

- 3. CONSTRUCT THIS HOME SITE.
4. STABILIZE ALL REMAINING DISTURBED AREAS IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES OR WITH MARYLAND CERTIFIED SOIL.
5. OBTAIN PERMISSION FROM THE COUNTY SEDIMENT CONTROL INSPECTOR (SDCI) TO REMOVE ANY SEDIMENT CONTROL FEATURES THAT ARE NO LONGER NEEDED.

CRITERIA: 1. MULCHES: SEE SECTION B-4-2 SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS, SECTION B-4-3 SEEDING AND MULCHING, AND SECTION B-4-4 TEMPORARY STABILIZATION. MULCH MUST BE ANCHORED TO PREVENT BLOWING.

- 2. VEGETATIVE COVER: SEE SECTION B-4-4 TEMPORARY STABILIZATION.
3. TILLAGE: TILL TO ROUGHEN SURFACE AND BRING CLOSE TO THE SURFACE. BEEN FLOWING ON WINDWARD SIDE OF SITE, CHISEL-TYPE FLOWS SPACED ABOUT 12 INCHES APART, SPRING-TOOTHED HARROWS, AND SIMILAR FLOWS ARE EXAMPLES OF EQUIPMENT THAT MAY PRODUCE THE DESIRED EFFECT. PRODUCTION SPRINKLER SITES WITH WATER UNTIL THE SURFACE IS MOIST. REPEAT AS NEEDED. THE SITES MUST NOT BE WASHED TO THE POINT THAT RUNOFF OCCURS.

- 4. BARRIERS: SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW SALES, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.
5. BARRIERS: SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW SALES, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING.
6. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 7. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
8. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 9. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
10. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 11. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
12. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 13. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
14. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 15. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
16. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 17. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
18. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 19. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
20. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 21. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
22. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.

- 23. CHEMICALS: USE OF CHEMICAL TREATMENTS REQUIRES APPROVAL BY THE APPROPRIATE PLAN REVIEW AUTHORITY.
24. CHE