DATE ACCEPTED:





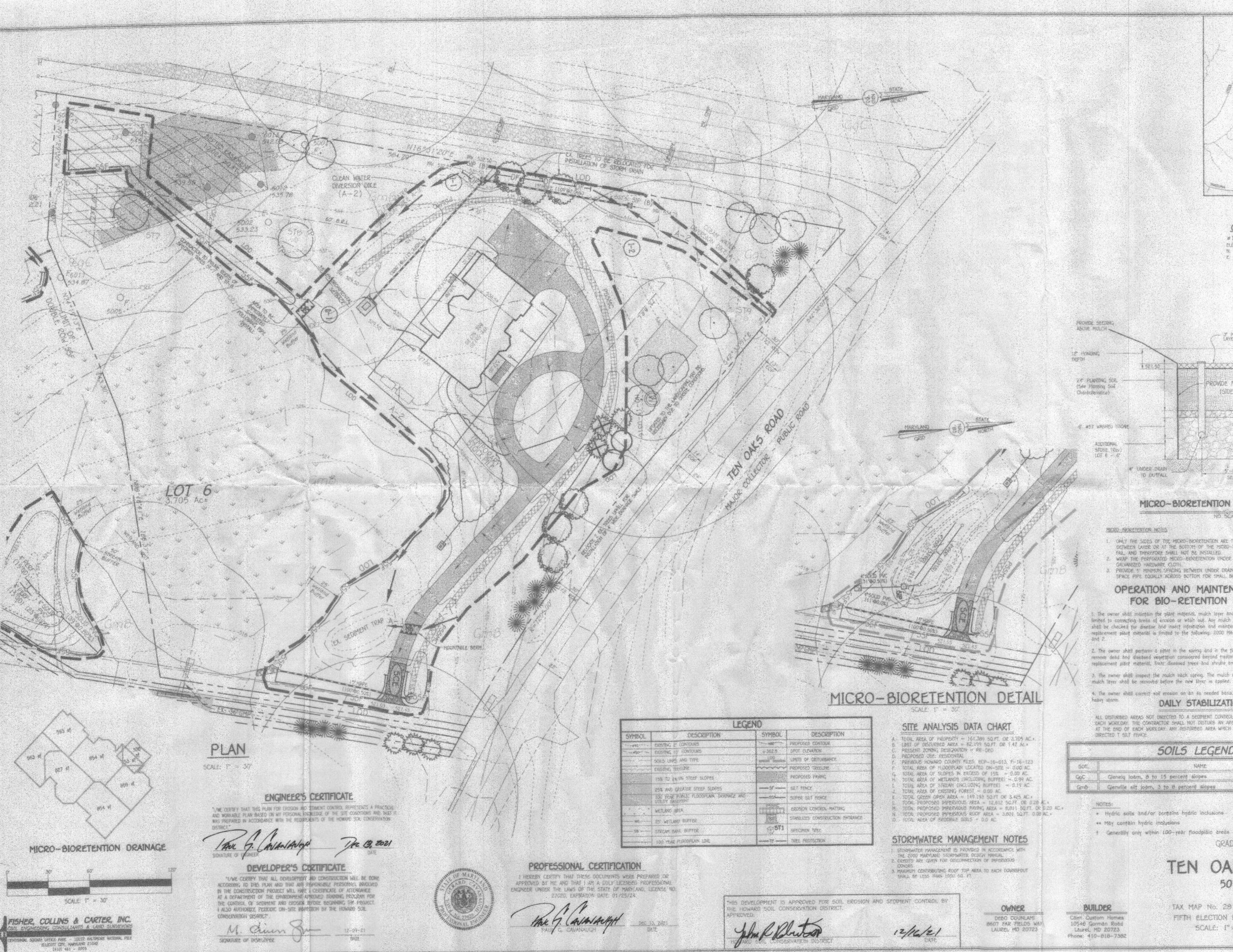
RESIDENTIAL BUILDING PERMIT APPLICATION MAR 3 1 202

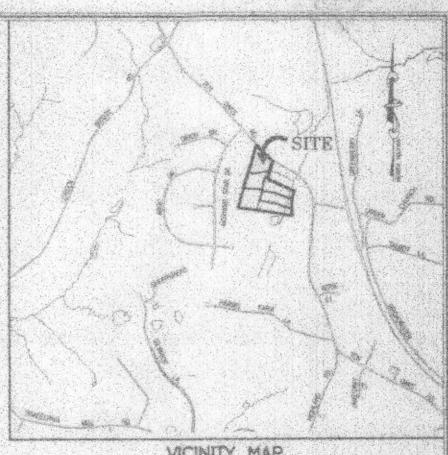
HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES, AND PERMITS

3430 COURT HOUSE DRIVE, ELLICOTT CITY, MD 21043

PHONE: (410) 313-2455 OPTION WAYSES & PERMITS

3430 COOK! H	OUSE DRIVE, ELLICO		countymd.gov		410) 313-2-	733 01 12	DIVISION
BUILDING SITE ADDRESS	REQUIRED						
Street Address: 5016 TEN OAKS					U	Jnit:	
City: CLARKSVILLE	, , ,		State: MD			ip Code: 2	1029
Subdivision/Village/Complex Name:	TEN OAKS FARM			SD	P/WP/BA #:		01118
	Map: 28	Parcel: 140		Grading Per	mit #: GP-22	-70	of the
DESCRIPTION OF WORK	REQUIRED	SERVE TO SERVE	REPORT OF	123	MAL MAI		
Existing Use: RESIDENTIAL	Propose	d Use: RESIDE	NTIAL		E	stimated C	ost: \$195,000.00
Trade Work to Be Completed (Separ	rate Permits Required):	Mechanical (H	VACR) ■ Ele	ctrical •	Plumbing	□ None	
CONSTRUCT NEW 60'X82' 2	STORY SFD WITH I	PARTIALLY F	INISHED BAS	SEMENT;	ATTACHE	20'X37	GARAGE; 8'X18'
COVERED PORCH; 16'X9' S	ND FLOOR BALCON	IY					
PROPERTY OWNER INFOR	The second secon					i Doo	
Owner(s) Name(s) (As it appears on		DUNLAMI			P	rimary Res	idence: ■ Yes □ No
Owner's Street Address: 8607 FAR	R FIELDS WAY		Chata: MD		7	in Code: 20	772
City: LAUREL		Email: DIA	State: MD	DMITCA		ip Code: 20	3/23
Phone: (410) 980-9868	77050 FWDTI/TDUA		NE.JAMESPE		GMAIL.CO	W	
	IRED - INDIVIDUAL					NDED O	
Business Name: SCHWALLENBI		SINC	Contact Name:	JAMES S	CHWALLE	NBERG	
Street Address: 1601 BISHOP R	U		T 6:			:- C- d- 0	1007
City: EDGEWATER		Family DIA	State: MD	DMITCA		ip Code: 2	1037
Phone: (410) 980-9868	ON SEQUESES	Email: DIA	NE.JAMESPE	:RMI15@	GMAIL.CO	M	
CONTRACTOR INFORMATION Business Name: CAIRN CUSTUM	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.						
Licensee's Name: STEVE APPLE			License #: 75	110			
Street Address: 10548 GORMAN			License #175	710			
City: LAUREL			State: MD		7	ip Code: 20	1723
Phone: (410) 818-7382		Email: STE	VE@CAIRNO	USTOME			3120
ARCHITECT/ENGINEER IN	FORMATION INDIV				THE RESERVE TO THE RE		
Business Name: TRANSFORMIN			Name: KARE				
Street Address: 7612 BROWNS							
City: HIGHLAND			State: MD		Z	ip Code: 20	0777
Phone: (301) 776-2666		Email: INF	O@TRANSFO	RMINGA	RCHITECT	URE.COI	И
BUILDING CHARACTERIST	ICS REQUIRED	MERCHANIST THE	N. H.	Tr. St. T	1111		
Primary Structure: SF Dwelling	SF Townhouse SF D	ouplex	Home Multi-	Family Dwe	lling (MF*)	Con	do: ☐ Yes ■ No
Utilities: ■ Electric □ Gas	Water Supply: Put	olic Private	(Well) S	ewage Disp	osal: 🗆 Publi	c Priv	vate (Septic)
Heating System: ■ Electric □ Nat	ural Gas 🛘 Propane 🗖	Other:	R	toadside Tre	e Project:	No □ Ye	s: #
Sprinkler System: ■ NFPA 13 □	NFPA 13R	3D 🗆 None	Fire Alarm	n System: 1	□ Yes ■ N	o 🗖 Void	ce Evac
ADDITIONAL RESIDENTIAL	LINFORMATION (PLEASE SELEC	CT/COMPLETE	ALL THAT	APPLY)		
Model Name & Options: 7	I topy (wo	otr					
# of Bedrooms (SF): 5 # of eff	ficiency units (MF*):	# of 1 BR (MF*): #	of 2 BR (M	F*):	# 0	f 3 BR (MF*):
# Rooms: 24	# Full Baths: 5		# Half Baths: 1	1		# Fireplace	es:
Garage/Carport Info: ■ Attached C		arage 🗆 Integ	gral Garage 🛘	Carport	□ None		
Basement/Foundation Info: Slab			ned Basement	■ Finished	Basement:	Full or	Partial
1st FI Width: 60 1st FI Dep		idth: 82	2 nd Fl Depth: 5	8	Bsmt Width: 6		Bsmt Depth: 46
Energy Method: ■ Prescriptive □		native ERI	Gross Area: 9,	031	sq ft C	Occupiable /	Area: 6,865 sq ft
AGREEMENT/ DISCALIMER	The second secon	THE IS ALL THOUGHT OF		TION (N) TIME			
THE UNDERSIGNED HEREBY CERTIFIES AND AG WITH ALL REGULATIONS OF HOWARD COUNT							
THIS APPLICATION; (5) THAT HE/SHE GRA							
		()	2	27	27		
APPLICANT'S ORIGINAL SIGNATURE		1	_ 5	30			
THE DOMESTICAL SIGNATURE			DATE	SIGNED			
FOR OFFICE USE ONLY			CHECKS PAYABL	E TO: DIRECT	OR OF FINANCE	OF HOWAR	D COUNTY
AGENCIES REQUIRED/APPROVALS:				PPP	roved.		
PR DPZ		DED	P	Health	2/X 4/25	122/05	SHA CID
SUBMITTAL FEES:	PAYMEN		1,2	- Treater	0	CCEPTED	



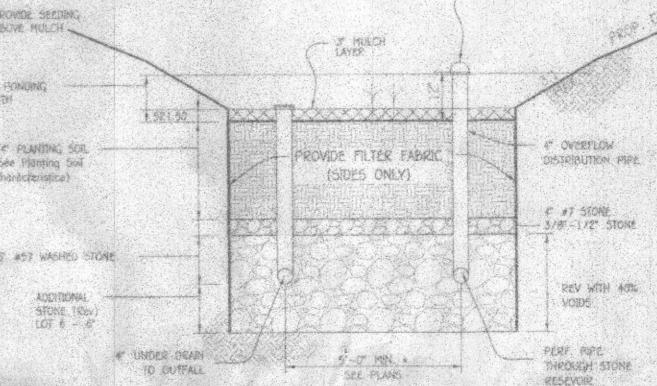


GEODETIC CONTROL STATIONS

#138A BLBV. 635,429 N. 600.865.867 E. 1,286,946,601

#07F8 ELEY. 580.257 N 589,153,978 E. 1,289,326,155

- WITH ATRIUM



MICRO-BIORETENTION (OVERFLOW)(M-6)

NO SCALE

MICRO MORETENTION NOTES

- I. ONLY THE SIDES OF THE MICRO-PROPETENTION ARE TO BE WRAPPED IN FILTER PARKE. PARKE SETWEEN LAYER OR AT THE BOTTOM OF THE MICRO-BIORETENTION WILL CAUSE THE MICRO-BIORETENTION TO
- FAR AND THEREFORE SHALL HOT BE INSTALLED 2. WEAP THE PERFORATED MICRO-BIORETENTON UNDER DRAIN PIPE WITH 1/4" MESH 1444) OR SMALLER
- CALVANIZED HARDWARE CLOTH. 3. PROVIDE 5 MINIMUM SPACING BETWEEN UNDER DRAIN AND PERFORATED PIPE THROUGH STORE RESERVOIR OR
- SPACE PIPE EQUALLY ACROSS BOTTOM FOR SMALL BIOS (SEE PLAN)

OPERATION AND MAINTENANCE SCHEDULE FOR BIO-RETENTION AREAS (M-6)

1. The owner shall maintain the plant material, much layer and soil layer annually, maintenance of much and soil is limited to correcting areas of erosion or wash out. Any much replacement shall be done in the spring. Plant material shall be checked for disease and insect infestation and margenance will address dead material and gruing. Acceptable replacement place material is proped to the following: 2000 Margand stormwater design manual volume it, table A.4.1

2. The owner shall perform a plate in the spring and in the fall each year, during the inspection, the owner shall remove dead and diseased weaptation considered bayond treatment, replace dead plant material with deceptable replacement plant material, freat diseased trees and shrubs and replace all deficient status and erres.

3. The owner shall inspect the mulch each saring. The mulch shall be replaced every two in three years. The previous

4. The owner shall correct soil erosion on an as needed basis, with a minimum of once per month and after each

DAILY STABILIZATION NOTE

ALL DISTURBED AREAS NOT DIRECTED TO A SEDIMENT CONTROL DEVICE SHALL BE STABILIZED AT THE END OF . SACH WORKDAY, THE CONTRACTOR SHALL NOT DISTURB AN AREA CREATER THAN THAT WHICH CAN BE STABBURED. AT THE END OF EACH WORLDAY, ANY DISTRIBED AREA WHICH DOES NOT RECEIVE STABILIZATION SHALL BE

	50IL5 LEGEND	
50%.	RAME	CUA65
CoC	Geneig loam, 8 to 15 percent Mopes	8
Gmð	Glenville sitt loam, 3 to 8 percent slopes	l c

- . Hydric soils and/or contains hydric inclusions
- ** May contain hydric inclusions
- + Generally only within 100-year floodplain dreas

GRADING, SEDIMENT & EROSION CONTROL PLAN

TEN OAKS FARM, LOT 6

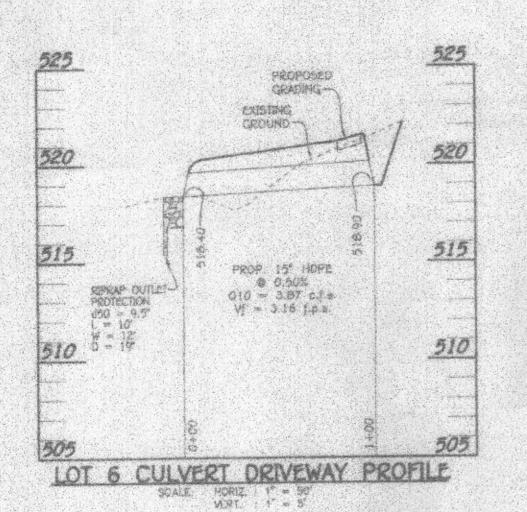
5016 TEN OAKS ROAD

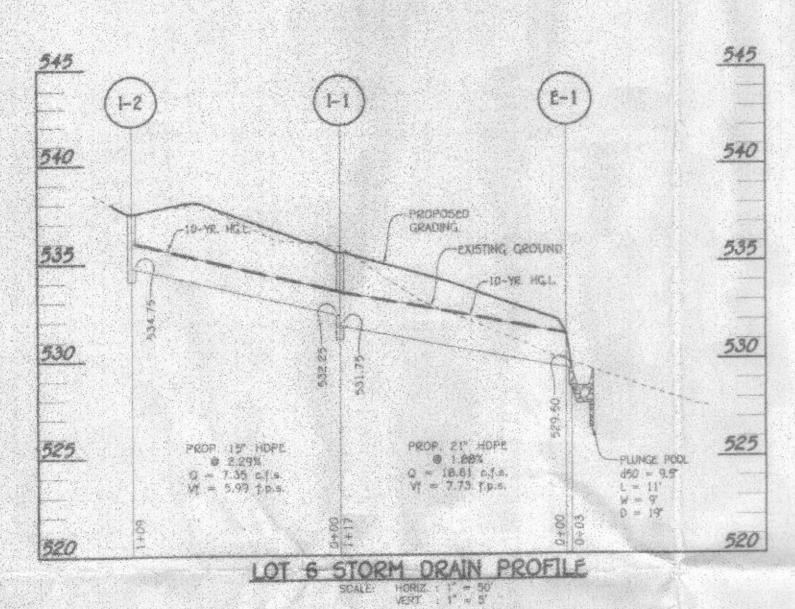
ZONING: RE-DEO

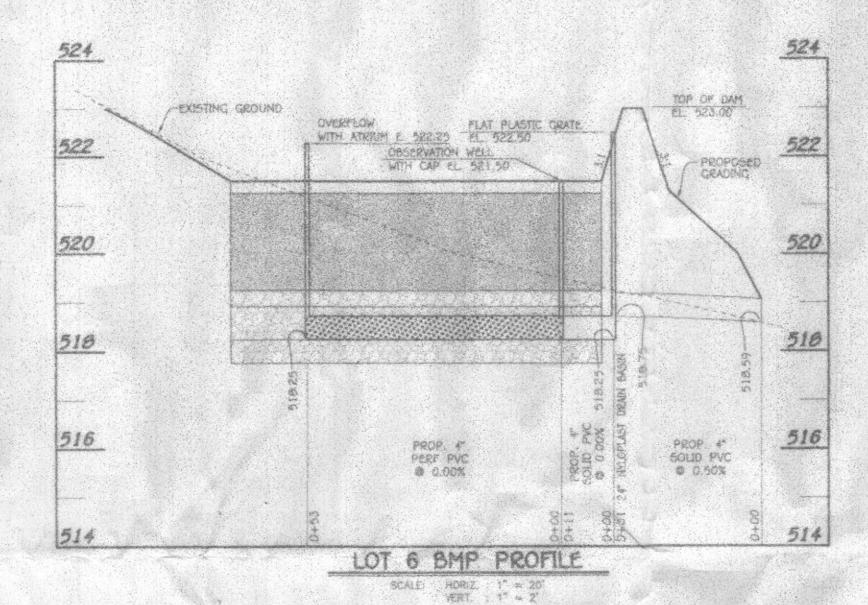
TAX MAP No. 28 GRID No. 14 PARCEL No. 140 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: 1'=30' DATE: DECEMBER, 2021

GP-22-70

SHEET 1 OF 3







STANDARD SYMPOL DETAIL C-9 DIVERSION FENCE MAXIMUM DRAINAGE AREA = 2 ACRES TO FT MAX 34 IN MIN. 36 IN MIN. OR ALUMINUM -CHAIN LINK FENCE MAPERMEABLE SHEETING TUV RESISTANT IMPERMEABLE SHEETING ON BOTH SIDES OF FENCE ELEVATION OR ALUMINUM EXTEND HAPERMEABLE SHEETING . OR PROVIDE SOIL STABILIZATION MATTING 4 FT MIN, ALONG PLOW SURFACE EMBED IMPERMEABLE -SHEETING 8 IN MIN. FOLD SHEETING OVER TOP OF FENCE AND SECURE WITH WIRE TIES SECTION CONSTRUCTION SPECIFICATIONS 1. USE 42 INCH HIGH, 9 GAUGE OR THICKER CHAIN LINK FENCING (2% INCH MARIMUM OPENING) 2 USE 2% INCH DIAMETER GALVANIZED STEEL ADSTS OF 0.095 INCH WALL THICKNESS AND BIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. THE POSTS DO NOT NEED TO BE SET IN CONCRETE. J. FASTEN CHAIN LINK FENCE SECURELY TO THE FENCE POSTS WITH WIRE TIES. 4. SECURE TO MIN OR THICKER UV RESISTANT, IMPERMEABLE SHEETING TO CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT TOP, MID SECTION, AND RELOW GROUND SURFACE. 5. EXTEND SHEETING A MINIMUM OF 4 FEET ALONG FLOW SURPACE AND EMBED END A MINIBILM OF

HAIN LEG. A MINIMUM I BIGH SECONDARY LEG. AND MINIMUM 4 INCH HEAD, WOOD STAKES MUST BE ROUGH-SAWN HARDWOOD, 12 TO 24 INCHES IN LENGTH, 1x3 INCH IN CROSS SECTION, AND WEDGE SHAPE AT THE BOTTOM. PERFORM FINAL GRADING, TOPSOIL APPLICATION, SEEDBED PREPARATION, AND PERMANENT SEEDING IN ACCORDANCE WITH SPECIFICATIONS, PLACE MATTING WITHIN 48 HOURS OF COMPLETING SEEDING OFBRADIONS, UNLESS END OF WORKDAY STABILIZATION IS SPECIFIED ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN. 5. UNROLL MATCHIG IN DIRECTION OF WATER FLOW, CENTERING THE FIRST ROLL ON THE CHANNEL CENTER LINE WORK FROM CENTER OF CHANNEL OUTWARD WHEN PLACING ROLLS LAY MATTING SMOOTHLY AND FRHILY UPON THE SEEDED SURFACE 6. GREGEAP OR ABET EDGES OF MATTERS, ROLLS PER MANUFACTURER RECOMMENDATIONS, OVERLAP ROLL ENDS BY 6 INCHESA] (MINIBUR), WITH THE OPSTREAM HAT OWERLAPPING ON TOP OF THE NEXT DOWNSTREAM HAT. LEY IN THE TOP OF SLOPE END OF MAT 6 INCHES (MINIMUM) BY DICCING A TRENCH, PLACING THE MATTING ROLL, END IN THE TRENCH STAPLING THE MAT IN PLACE, REPLACING THE EXCAVATED MATERIAL, AND TAMPING TO SECURE THE MAT END. IN THE KEY STAPLE/STAKE MAT IN A STAGGERED PATTERN ON 4 FOOT (MAXIMUM) CENTERS THROUGHOUT AND B INCHES INTO CROWNS, BOIL STABILIZATION MATTING MAY BE USED IN LIEU OF IMPERMEABLE 2 FOOT (MAXIMUM) CENTERS ALONG SEAMS, JOHTS, AND ROLL INDS. SHEETING ALONG FLOW SURFACE IF SPECIFIED BY THE DESIGNER OR MANUFACTURER AND DEPENDING ON THE TYPE OF MAT BEING INSTALLED, ONCE THE 6. WHEN TWO SECTIONS OF SHEETING ADJOIN EACH OTHER, OVERLAP BY 6 INCHES AND FOLD WITH SEAM MALTING IS KEYED AND STAPLED IN PLACE, FILL THE MAT VOIDS WITH TOP SOIL OR GRANULAR MATERIAL AND LIGHTLY

MARYLAND DEPARTMENT OF ENVIRONMENT

WATER MANAGEMENT ADMINISTRATION

COMPACT OR ROLL TO HAXIMIZE SOIL/HAT CONTACT WITHOUT CRUSHING HAT. KEEP FLOW SURFACE ALONG DIVERSION FENCE AND POINT OF DISCHARGE FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE, REPLACE IMPERMEABLE 10. ESTABLISH AND MAINTAIN VEGETATION SO THAT REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT ARE CONTIDATOLISELY MET IN NECORDANCE WITH SECTION 8-4 VESETATIVE STABILIZATION.

DETAIL B-4-6-C PERMANENT SOIL

OWERLAP OR ABILIT

- PROCES (TYP.)

AT ROLL CND (TYP.

PREPARED FLOW -

IN PLACE

CHANNEL WITH SEED

CONSTRUCTION SPECIFICATIONS

ON APPROVED PLANS

STABILIZATION MATTING

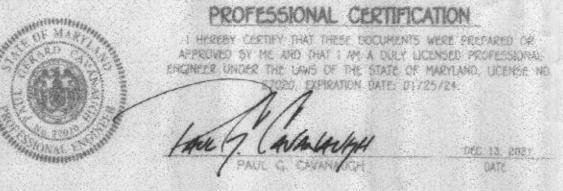
CHANNEL APPLICATION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL U.S. DEPARTMENT OF AGRICULTURE MARYLAND DEPARTMENT OF ENVIRONMENT NATURAL RESOURCES CONSERVATION SERVICE: WATER MANAGEMENT, ADMINISTRATION

DEVELOPER'S CERTIFICATE

"LIVE CORREY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVENTO IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTEMPAGE AT A DEPARTMENT OF THE ENVIRONMENT APPROVACE TRAINING PROCESM FOR THE CONTROL OF SEDMENT AND EROSION BEFORE BECOMING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE DISPECTION BY THE HOWARD SON CONSERVATION CHSTRICT".

M. Quen You SHAPLINE OF DEVELOPER



ENGINEER'S CERTIFICATE

FACING DOWNGRADE

U.S. DEPARTMENT OF AGRICULTURE

NATURAL RESOURCES CONSERVATION SERVICE

SHEETING IF TORN, IF UNDERMINING OCCURS, REINSTALL FENCE

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

TYME CERTIFY THAT THIS PLAN FOR EROSEN AND SEDWENT CONTROL REPRESENTS A PRACTICAL AND WORKARLE PLAN BASED ON MY PERSONAL KNOWLEDGE IN THE SIE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SON, CONSERVATION

HIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

OWNER DEBO OCIANLAMI 9607 FAR FIELDS WAY LAUREL MD 20723

BUILDER Caim Custom Homes 10546 Gorman Road Lauret, MD 20723

GRADING, SEDIMENT & EROSION CONTROL PLAN

TEN OAKS FARM, LOT 6 5016 TEN OAKS ROAD

ZONING: RR-DEO TAX MAP No. 20 GRID No. 14 PARCEL No. 140 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: 1"=30" DATE: DECEMBER, 2021

SHEET 2 OF 3

GP-22-70

STANDARD SYMBOL

PSSMC - BMC

(* MICLUDE SHEAR STRESS)

KEY IN UPPER

FILL MAT VOIDS

IF SPECIFIED (SEE NOTE 9)

-6 RV DREF (MIN.)

KEY TRENCH FOR

DOWN SLOPE ROLL (TYP.)

UPPER THO OF

ISOMETRIC VIEW

USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED

2. USE PERMANENT BOIL STABILIZATION MATTING MADE OF OPEN WEAVE SYNTHETIC, NON-DEGRADABLE FIREES OR ELEMENTS

OF UNIFORM THICKNESS AND DISTRIBUTION THROUGHOUT. CHEMICALS USED IN THE MAT MUST BE NON-CEACHING AND

HON-TOXIC TO VEGETATION AND SEED GERMINATION AND NON-INJURIOUS TO THE SKIN IF FRESHIT, NETTING MUST BE

EXTREMED PLASTIC WITH A MAXIMUM MESH OPENING OF 2x2 INCHES AND SUFFICIENTLY BONDED OR SEWN ON 2 INCH. CENTERS ALONG LONGITUDINAL AXIS OF THE MATERIAL TO PREVENT SEPARATION OF THE NET FROM THE PARENT MATERIAL.

3. SECURE MATERIA USING STEEL STAPLES OR WOOD STAKES. STAPLES MUST BE "U" OR "T" SHAPED STEEL WIRE HAVING A

I TO I W INCHES WIDE AND BE A MINIMUM OF 8 INCHES LONG. "I" SHAPED STAPLES MUST HAVE A MINIMUM & INCH.

HINDHUM GAUGE OF NO. 11 AND NO. 8 RESPECTIVELY "U" SHAPED STAPLES MUST AVERAGE.

ROLL END

FISHER, COLLINS & CARTER, INC. PENNEL SOURCE OFFICE PART - 10272 BALTIMORE MATIONAL PIEZ COLICOTT GIV. MARTIANO 25042 (470) 461 - 2005

Phone: 410-618-7382

SOIL PREPARATION, TOPSOILING AND SOIL AMENDMENTS (8-4-2)

A 5oil Preparation

a Seedbed preparation congers of loopering early a depth of 5 to 5 inches or makes of military desculpator or conspection againment, buch as disc retroves or clinic plans or repets included in construction againment. All the sole is becomed, in most not be robed as dragged securit but lets in the transferred, condition. Stones 3.1 or Hetter are to be tracked with indigen running partially to the control of the Abbe-

An Apply feetlikely time time as prescribed as the stant

at Discription Line and perficie into the pap 3 to 5 makes by online daking or other suitable maters.

2. Permanent Stableschop is a soil deaf is required for any earth disturbance of 5 acres on more. The minimum soil conditions

required just permanent receptative establishment dres

C. Solk all between 6.0 and 7.0 Soluble ships less their 600 ships per milion forms.

in Soil constant than 40 percent city but enough the continue material tyrester than 30 percent all class clay! to provide the neededy to best a moderate consult of distator. As excaption if bytestees will be splenness, their a sector and takes than 36 percent silt also derl would be acceptable. by Soil contains 1.5 percent meditions organic trather by weight-

it. Suit cointies sufficient part ablice to permit adequate roof penetration

a Application of denomination of those is required to be often soft to not theet his above conditions. Graded speak count be countained to a gue and even drade as specified an the approved plan them ecoeffed or otherway loowened to a depth of 5 to 5 suches.

il. Apply not amendments by operating on the approved plan or he indicated by the counts of a soil test e. His and amendments into the top 3 to 5 inches of soil by disting or other suptilize receips. Each flath break

to amount the surface, corone lange objects like spoints and branches and made the area for send applicables. Appear surject and by drivinging with a need chile or other equipment to rougher the durface where him condition and not permit normal section preparation. Fresh slopes 2.1 or diagram with tracked equipment serving the exit in an prequent condition with ridges running parallel to the compact of the close - Legie the top it to 3 inches of an loose and frable Seedhed lonearing may be undecased to hear character tricks.

. Topstif in places over prepared subself prior to establishment of permanent vegetation. The purpose is to around a engable soil medium for accetable growth. Date at concern have low moistude content, low nativest reache flow pit, majoricle than the plants, abdular undecomplishe and qualification.

2. Topical velocing from an existing size may be used provinced it meets the provinces as set forth in these specifications. Spoichly, the depth of topical to be solvinged for a sixty sall type can be found in the representative well profile accross in the Sell-Survey published by USDA-WPCSI

5. Topporting is limited to areas having 2:1 or flatter whose where

in the testure of the exposed subsolitainent indiend in log obequire to produce regulative growth.

by the may mayor at is an abation that the rooming zone is not deep chough to happen plants or furnish continuing supplies of monther and story authoriti-

it. The prightfi soit to be vegetated contains material toxic to platt growth of the win is so exists this treatment with Investore is not feasible.

A farms robust slopes exercit from 2.1 require specific counterstron and design.

In Topical Specifications: Side to be used at topical must meet the following criteria:

a Topicy least to a more stody lodge, clay learn, all learn, spody play below, as federly and Other made once bebeauty through through attracting the percentage and reference as as as appropriate appropriate property to be the wast trop be a nerture of compressing restured suspens and must contain less field 5 percent by enjurie of condens. stones, ship, postes fragments, gravel, stocks, rodel, trash, or other millereds larger than 1 1/2 raches in diameter. is Tapped must be free of accious pitting or part saids such as between drives office drives debreen grass, but

sodge solete by, make or others as specified is handly substituted as disentiments, its recommended by a qualitied appropriate or and extensive and approved by the appropriate approved authority, may be used in lies of natural topsoil. E. Topsoil Application

a footien and sediment council practices result by more about some applying rapidly

in trainers appreciate topson or a 5 to 0 meh liver and injects compact for a minimum thickness of 4 mehres. departing is to be performed to such a indirect that solding or seeging out proceed with a microsin of adolescent and preparation and titings have precedenties in the earliest reacting from paperling as other excellence must be corrected in priser to prevent the formation of deptessions or witter puriets.

happed grown not be placen if the special or extensi is in a fazzer or month condition, when the subsoil is ancessively wat as in a consistent that they otherwise be determined to proper creditor and needled preparation.

C. Soil Amendments (Fertilizer and Lime Specifications)

One serie must be sectioned to determine the exact saints and depositions roles for both line and lertifier on when having disturbed areas of 5 acres or more. Soil bridging may be performed by a recognised private or ercial laboratory. Soil samules taken for esquieering purposes may dute but used for sharmoal analyses. Purchases must be perjure in companion, thes thinking and audition for expensive application by appropriate equipment. Manure may be substituted to festilizer with prior approval from the appropriate endowed suffering Particles must all be delivered to the site fully latered according to the deplicable laws and must hear the come, trade name or redomnist and

wardeney of the producer 3. Linz mitiapitis must be grown imensions implicated on burst arise only be substituted except what heuroscodical which contains at least to percent total unides (calcium order plus magnessess exide). Lineature must be ground to such beeness that as least to percent will pass through a will mesh asses ded 40 to 100 percent will pass through 2 #20 meen aleve.

of these and tertificer due to be evenly distributed and incorrected too the tour 3 on 5 inches of each by disking or surber suidable means.

5. Where the subcest is either being desile or composed of heavy closs, sureed ground investors at the rose of 4.10 8 tors/acrs (200-400 pounds per laid) equate feet) order to the placement of topace.

B-4-3 STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING

Critega

The population of seed and expert to intubials registative cover

To protect experted soils fixer prosper during and at the end of construction.

Complians Where Presides Applies So the surface of an permissive operate, slopes and one eightheil area not under order, grading.

Seeding

th. At send must make the requirement of the Maryland State Seed Line All send must be subject to re-testing by a recognized send followery. At used been must have been tested within the 6 assorbe immediately preceding the date of sowing such material on any propert. Refer to Tubble 2.4 degrating the sportly of send Send tops must be available upon express to the inspector to verify type of

heed and seeding rate s. Alatini glorie reply be expliced between the full shift shift spring seeding dates only if the ground is tracker. The appropriate seeding mixture must be applied when the ground there. is House're the constant for training equate need in fits need mixtures avail be a pure culture of nitrogen fixing bacteria prepared

directed on the prototoe. One four times the receimmended rolls when hydrostening, Note: it is very important to Seep inoculant as your or possible until user Tamperotorea utons 75 to 80 degrees Fotorested you weaken bacteric and make the incident less

acceptancy for the spieces, hoculoids most hat be used later than the data indicated on the compiler. Add fresh indicates as

il Sperial dead must not be caused on soil which has been thated with soil sterilosts or chemicals used for weed control table sufficient take has special (14 days rish.) to permit decidation or phyto-toxic materials.

of they Seeding. This produces side of contemporal strop of broadcast aprecident. strongerate seed was the wallsoil of the rates prescribed as Telephrana Seeding Table 8.1, Permanent Seeding Table 8.3, ix site-specific seeding symmetres if Saply peed in twy deactions; perpendicular to each other. Apply high the seeding rate in each direction. Roll the seeded area with

weighted roller to provide gold heed to soil declars. S. Self-of College Seeding. Machanized senders that apply and parent seed with not. Cultipopaling according tare required to truly the asset or soon a freehalf had to provide at least 1/4 inch of soil covering. Sonthad must

it appear select on two dispetions, perpendicular to each other. Apply how the seeding rate in each direction. Multiplication Apoly seed uniformly with hydrospecier fatory resident seed and fertilizer). a serializer a being applied at the time of eepoing, the application rotes should not exceed the following: nitrages, 100 pounds per

spire times of statuste refragest, P. O. (priosphoras), 760 posseds per occe. K.O. (polassium), 200 pounds per bake. It likes use only grashed agricultural livingtone (up to 3 tank per oche may be applied by hydroseoding). Normally, not more than 2 tank are englished by fixed-respecting at also one time. On not use thank or hydrothed time when hydroseeding In Min seed and fartilizer on oils and seed immediately and extinual interruption. w. When hydroesecong do not measurable seed into the soil.

Multiple Materials (in pedat of profesional)

Strow conserving of Compagnity threshop wheat, ryp, pot, or hartey and reasonably bright in color. Strow is to be free of nazional year operating to the strayload Seed Law and not make morely cated, decayed, or extensively dusty Workel later analy steplie show match to areas where one species of gross is desired. Wood Lakunasi Liber Much (WCPM) consisting of specially processed edge calculous processed into uniform Perceix physical

DEVELOPER'S CERTIFICATE

"LIVE COSTEY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL PROLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTEMBALE AT A DEPARTMENT OF THE ENVIRONMENT APPRICACE EXAMING PROCESSFOR THE CONSTRUCT OF SECREENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO ARTHORIZE PERSONIC ON-SITE INSPECTION BY THE HOWARD SITE CONSCIPLATION DISTRICT"

4. Caucin SIGNATURE OF DEVELOPER

\$1.75 is to be shell gibble or coresin is green eye in the purpose first will provide an appropriate relative to targeties. visual inspection of the uniformly spread damy.

. WITH with drap dyn much acres on generalization or growth establishing factors. If NOTE meterials are 10 by econolisations and phonorest in both a manner that the wood delivere They argue wis remain in uniform supplication in water writer against and will bland with users, terfolger and other application to take a considerables starty. The could metarial must form a picture sixe ground open, on application, flooring statement attemption and percliative properties and must cover and field grass seed in spiriture with the sell expense shipliffing the grawly of the gross seedings.

WE'M installed that not contain administra or compounds of concentration involvement and on physic-frame WSTW must content to the following physical regularizable. Four length 31 obtained by 10 millionators, character apprenticular 1 militarium phi range of 4.0 to 8.0, ask content of 1.6 person material and eater tolking appears of

Apply shillish to on signed arms intracolately often seeding . What show much is sold, spread it ever of alledes cross in the late of 2 tolds per sone to a uniform Base depth of 1 to 3 thickes. Apply match to achieve a uniform distribution and dentity to that the sail waters is not expressed. When using a multi-dricharing had increase the application rate to 2.5 time per acts. a. World calledone liber used on mulair must be applied to a one dry weight at 1500 pounds per scree. Mrx the enod collaboratificate right water to other a mixture with a measure of 50 provide of send calculate fiber par 140 gallons of

a Perturn much descharing immediately tobowing application of makes in temporar than to writer. His rigy bedena, by one of the following methods (taxed by posterious), depending sport the size of the area and evolute hazing. A metal contains tool is a model grown imperior heart or purch and bridge relian too the not suitable a minimum of 2 modes. The produce is most effective on page areas, but is bridge to feather shows entere employment. can instable inflety. If man on washing land, this practice should follow the challens. Wood unlinear bles may be used for dechang steen hone the baset of a net on weight of 750 powers per atte. Whe the world consists they such water at a maximum of 50 appends of whole principle files per 100 gallons of

il. Dreihelis, bioderit such die Acresi (100 (Apre-Tack), OCA-70, Peticeut, Ferra You X, Gerra - Tuck An or other Approved equal may be used. Follow approaches rates as specified by the industratives. Application of even bispers needs to be heavier at the edges where was cubcles moles, and us in volleys and up create of places. Use of except benders is appropriately continued they be stoped over the much according to constantive recommendations. Noting is

equally available in rolls 4-15 feet wise and 305-to 1,000 test leng-TEMPORARY SEEDING NOTES (B-4-4)

Definition In stabilize disturbed soils with vegetation for up to 5 months:

Pureuse

In time floor growing dependen that provides cover on directed seda,

Conditions Where Practice Applies

Exposed abiliar where ground lower is neglect for a period of 5 morehs or less. For labour duration of time, permanent stabilization practices fre requires.

Select one or more of the species or seed ministres listed in Table 6.1 for the appropriate Plant Hanglewis Zone Mouth Player 8.3), also emper there is the Temparary beeding Surangry below along with diplication makes. seeding dates and seeding dashes. If this Summary is not put us the plan and completed from Table 5.1 plus fertilizer and time titles must be put so the plan

2. For sites having and inerti preforered, use and show the encouragnost rates by the testing agency. Duty tests are not required for lessporary. Seeding

3. When hit belief from he required page do of a second season, depty seed and mulch or straw mulch above as prescribed to Section 6-4-3.4% and mangain until the next secting section "

Temperary fixeding Sommery

	the (from Popular 6-3 (from Toble A.J.))6b		Fertilizer Sitts (10-20-20)	Lane Raje
Species	Application Rafe (lb.rac)	Gaeding Dayes	Sceding Depths		
BARLEY	96	3/5 - 5/55		435 (5/a)	Z lone/ac
CATS		Ø/1 - 16/15		(20 lk/ 1606 st)	190 lb/
046	110				

PERMANENT SEEDING NOTES (8-4-5) A. Seed Mixtures L. General Use

a Select one or more of the openies of mechanis fisted to Table 8.3 for the appropriate Plant Hardiness Zone (from Figure 8.31 and based on the site condition or purpose found on Table 9.2. Enter referred misqueets), application rates, and seeding dates in the Ferminary Seeding Spennary. The automotive is to be placed on the alpab. Additional planting specifications for exceptional sales such as affordings, stream banks or dunes on for special purposes such as wildile or deatheric treatment may be found in USDA-SPCS Technical Field Office Guide, Section 342 - Orbical Area Planting.

33. It is for alles having disturbed area upon 5 acres, use and show the rates recommended by the soil tending agency. A for even research the mangestack, apply agent loses per liver (46-0-0) at 1 1/2 pounds per 1000 aquate feet (150 pounds per esse) at the time of sending in addition to the soil amendments snown in the Permanent Seeding Summary

2. Turfgrass Hixtures

ford inviture by weight.

pounds per 1000 square rost

a Areda where purporass may see desired include always, pares, bidygrounds, and commercial after which will receive a medium to high level of maintenance. b. betech one or more of this species or mixtures listed below based on the are conditions or purpose.

Enter admitted morture(a), deplication rates, and seeding dates in the Permarket Reding Summary. The summery is to be pidded on the plan. Contacky Sharprook Full Stati Murture: For use in creas that receive intensive happingement, Impation, required in the creas of period Maryland and Eathern Shore. Recommended Certified Kentucky Bluegistes

Cultivars Seading Rate 1.5 to 2.0 pounds per 1000 square too. Choose a minimum of three Centucky bluegrass cultivars with each ronging from 10 to 35 percent of the total mixture by weight. Kentucky Bluegritas/Personnal Rye Full Sun Mature. For cas in full sun areas where rapid netablishment is necessary and when turt will receive medium to operative management. Certified Perestrials. Rysiglate Lithvars/Certified Compicks Studenties Seeding Raje 2 pounds mature per 1600 aquate feet Change a minimum of three tentucky bluegrass cultivary with edith running from 10 to 35 percent of the

ii. Tell Fescue/Lenharky Courageas. Yall Sun Majure: For use to drought prome breas and/or for oreas receiving low to medium introductional in full case as medium shalls. Recommended introduces certified Tall Fescur Cultivars 95 to 100 percent, Certified Confocky Blaconies Dutivales C to 5 percent, Seeding Rate 5 to 8 pounds per hitist against feet the or more authors may be blended.

W. Kentucky Bluegram Afine Teacum. Shade Millard: For ust in breas with chade in Suegram lowns. For establishment in high queriey. Intensively manages tout area. Mixture includes: Certified Centucky Bloograph Cultivars 30 to 40 percent and Cardined Fine Feature and 60 to 70 percent, Seeding Rate: \$ 172 to 3

Select turforese votience from those bated in the most current University of Horyland Publishien, Agranomy Memo #77, "Turfgriss Cutiva" Recommendations for Marrisod"

Choose certified material is constructed of cultivar purity. The sertification program of the Maryland Department of Agriculture, furt and seed partials provides a reliable medius of exmounter protection and assures a sure generic line

ideal Times of Sunday for Test Codes Medures Western HD, Harch 15 to Jone 1, August 1 to October 1 (Hordmen's Zones: 5b, 28), Cempal MD: March 1 to May 15, Adquel 15 Jet October 15. (Hardiness Zone 33) Insumern MO, Bastern Shake March 1 to May 15, August 15 to October 15 (Hardiness Zones, 78, 76)

d. Till areas to receive and by disking or other approved methods to a depth of 2 to 4 inches, level and rate the areas to proper a proper peached. Remove stones and debris over 1,172 leaches to diameter The resulting seasond must be in such condition that before receiving of grasses will pose as difficulty.

e. If soil morehure is deficient copply new seedings with adequate water for sides growth (1/2 to 1 inch.) every 3 to 4 days depending on soil texture), will they are finity established. This is especially frue whose seedings are made little in the placking seasons, in denormally disk or hat seasons, or on adverse sites.

No.	Species	odtien i Obvost	CHIEF THE THREE PARTY.	Seeding	Seeding Depths	N.	PaGe	EgO	
8	TALL FESCUE	100	· No	u. 1-May 15 g. 1-Det. 15	1/4-1/2 in	45 lbs. per dore	90 (b/sc (2 lb/	90 lb/ac	

B. Sod: To provide quick cover on disturbed areas (2:1 grade or flatter).

1. Comercia Specifications a. Cidas of jurishes see must be theories store Certified, and tables must be made marked to the 86 terrors one

a Bod must be markene as \$1.0 limitaris and the three for \$1.00 plus or manus is lack, at the time of carriors Protestification for thickness that custode top growth and thatch. Broken adds and bein or someon ends will not be Standard over sections of and thust the streng enough to support their own seciety and retain their size and ottops when

economies vertically with a farm draw on the upper 10 cercent of the section. but thus not be incremed or transplantes when maisture costed inscessively die of west may educately affect he euromat. e. Sed must be identified, artiseted, and installed within a period of \$8 hours. God not pranciplented within this pariet must be Supposed by an auropeometric acid scientist prior to its instablish.

- Sed Installation de libring periods of excessivily high terepetature or in dreas howing dry subsets, lightly regular the subsets increasible print to

Jarrana the east. the tien ow of and it is straight line with rebuspiers trave placed matheur to and highly wrongest against each other. histories lateral science to prochise more contains grown and strength. Ensure that you is not strengthed or everlapped and that all points are outted boot or order to prevers solds which would couse as action of the rouse. wherever possible, is not with the long edges perchel to the conjects and with stangarding journe. But and temp, you ar estimate we are the and to prevent slippings to shopes. Ensure sold entirely exists between any roots and the underlying .

d. We'll the and immediately followed toking one prompting with the independency the new and paid and and agriculture below the soil are shoroughly wet. Complete the operations of diving, company, and fragiting for any lates of and artist made house.

a in the absence of apopular company water some during the first week as as often and sufficiently as recreatery to more and make soil to a detth of 4 tichen. Water sad builting the heat of the day to prevent enting. After the first week, and watering is required to necessary to materials adequate visitable despert

Do not make part the end is firmly restrict. No steek than is of the ignace test show he personed by the folial explain to substituted autimus. Marthay a grass height of at least a linker wilder difference assertion.

8-4-8 STANDARDS AND SPECIFICATIONS FOR STOCKPILE AREAS

A mound or pile or soil properted by appropriately designed econom ded mediment control torcovers

a provide a designated occion for the temporary storage of soil that controls the potential for eroscol, sedementation, and changes to drawbase patterns.

Conditions Milere Practice Applies Strictifie trade dre unliked when it is pecessary to advage and store will for later use

Congrid The most pile her por and all related sections county practices must be discit; indicated on the employ address party plan. the married of the character must be sized to decommendate the anticipated values of middenial and behalf on a side slope ratio assumption 2.5." Sancting most be provided in accordance with Section 8-3 Land Crating.

3. Export from the stackpile area front drain to a solidake aedicient control profiles. C. Access the stockpile cres frest fall upgrade side. 7. Delt wifer rungf mid the stocklille area must be mainteed by use of a metrion decide such as an extrib dike, perspective series of diversion fence. Provinces must be made for deschiliping concentrated flow in a opporarously manner.

5. Where rupply concernates design the los of the specified fill, an appropriate expansive electron process that used to intercess that discharges, I process our securities to accommon with the 3/7 day epidication requirement as well as Charles 5-4-1 increment or animal planting & If the speciality is located as an imperious surface, a liner alicula be provided below that stockpile to pacificity cleaness containing containing of material must be covered with impart eable sheeting to

Sidiotenance. The atsorbolik area must continuously make the requirements for Adequate Vegetative Establishment or Adequate with Section 8-4 Vegetative "trabilitation, finds slopes orang he maintened it no species their ratio. The shortple area must be any year of escopes it the very car. a stockpile exceeds 20 from to 2.1 slopes, 30 from to: 3.1 slopes, or 40 feet for 4.1 slopes, conclusing invest be perioded in accordance with Seather

All sedences control attactures are to curate in 2002, and are to an established in specific condition and permission for their removal has been obtained from the CE.

IOWARD SOIL CONSEGNATION DISTRICT (HSCD

MDARD SEDIMENT CONTROL NOTES A pre-contraction seeming must occur well the Monday Charter but Parket works. Construction important Dublick (CDN, 412-215-1955 office that patter and projected agents are unlabed contraction. in the Next A missions of 46 hour rapper in CID that he place at the following apapear

. Prior to the effet or elect clusturbance, Open completion of the constitution of permitted stocken and sediment controls, but before

proceeding with any other which disjuritings or \$1500°G.

— Recall to the effect of another phase of collections or opening of another guiding unit. Prior to the removal or evolutionalists of sufficient control practices.

Other building or grading temperature approach may not be inclusived any few maint approach by the imperator together is made. Other includes again and fewer's permits shall be replacated to ensure All supplications and absoluted processing to the processing to the processing to the part and an experience with the place and absolute processing to the part and an experience with the place and absolute processing to the place and an experience with the place and absolute processing to the place and an experience with the place and an experience and absolute processing to the processing to the place and an experience with the place and an experience and a SEDMENT DENTITIES, and invisions thereps. Following will sall department or or displacement to interpret appointment to interpret appointment to interpret within three Chi character than the territor of all personals controls. Other safety displacement to interpret appointment appointment to interpret appointment to interpret appointment appointment to interpret appointment appoint words, and all Hopes of super thing, it wongood for 1 weeken (2.1) and super (7) colored days to 10 all other distance on the burner for those backs under order products.

All destroyed areas much be abbillious within the product specified obesit in accordance with the 2011 PARTICISE STANDARD AND SPECIFICATION AND SPECIFICATION AND SECURITY CONTROL for Legans (Sec + 2), permittent seeding (fig. 5-4-7); purposity seeding (SK; 6-4-4) and multiling (See. 6-4-3). Temperary solublination with multi-filled can only be object between the salt and spring steeding dates If the ground is bused between electricities the 6-4-11 specimentons shall be endocad in trials with 210 or on hydrer (ii. Specialist Car. 6-4-6) is expens of 20 to exact be benched with electric other All concentration flow along stone, and highly emiliain depart and recover and application marring their binning.

Total And of the Arts And to be pushed or advance. (1.28 Acres) Arek to be vegetatively disbland ...

B-3 Land Extens

offelfe editarbolow with bodyles . 16% Guitarijies provided are for the reviewing Topolog article.

try soldment offers present which is unusual or golding belong for present of differ east to recover on the same play of forwhere. Authorid sedment compare pack he consider. If describe necessary to the CD. The eth And as compare he Departed by the enteractor weekly, ded the easy any after eith other every. A subject report by the treatment or make deal-like upon request to pay or more deal-like upon request to pay or more deal-like upon request.

Separation Type Brought, pre-plant event, Autres this earth,
Author and title of insurant
Weather inferrential country conditions as will as these amount of seaf-decision proclamations. belet description of project's status (m.s., percent companie) and/or curvest octobies -bidence of sightest discharges Identification of piles delicences identification of scaliness particular that require maintenance Identification of sometrop or improperty method andiment controls Compliance atoms regarding the estudent of construction and stabilization requirements

Malahendarica and/ar corrective action authority Other inspection form as required by the Construction described with Construction Activities (2012), 1923.

Tenance for the construction of colleges a select to three pipe security or that which can and shall be been. log makes ableges or reference to the side or determine of construction must be reserved and substitute for the visit grow to accommoding with construction, blood remarked by the CEI per the Exp. of 1900-therwood field thangen Disputebles shall not occur outside the LOS A project in to be sequenced on \$100, wilding activities begin on any undergrand functionary decision of the particular will at a possess of the sequenced on \$100, which will be project on the sequenced on \$100, which will be provided the LOS A project on the sequenced on \$100, which will be provided to the sequenced on \$100, which will be provided to the sequenced on \$100, which will be provided to the sequenced on \$100, which will be provided to the sequenced on \$100, which will be provided to the sequenced on \$100, which will be provided to the sequenced of the sequenced of the sequence of the sequen

I subsection under all principly success of the districted med in the procedure options and has been established and approved by the CE. Unless returned and approved by the CE. Unless returned and approved by the CE. more field 30 scree carnulatively lader by Spirited \$1.4 given time. wash water from the equipment, see's like, wheels, promote, and other sources must be bested in a anciency basin or other expensed weathout structures. Topack sood be specified and preserved an late for redutribution argo final grade.

(A) All Silf Fance and Super Silt Fance what by placed on the contrar, and he re-brokled at 25 minimum. impervious with lower whole curried upfull by to it moretion. 15. Opedin differeds rough not be disturbed storing the following respectful time bounds (including) Tape : and IP Harch 1 - June 15

the W and SF October 1 - April 202 Dec 37 Monet: 1 — May 51 A-copy of fell year, the 2011, Marketon Symbology AND SPECIFICATIONS VON SOR, ERCORD AND DETERMINE CAPPER, and descripted applying shall be on-she and antifolia after the age

SEQUENCE OF CONSTRUCTION

DISTAIN A GRADING PERSET AND HOLD FRE-CONSTRUCTION MEETING WITH COUNTY MISPECTOR. 2. MOTHEY "MISS UTILITY" AT LEAST 46 HOURS BEFORE BECOMES ANY WORK AT 1-800-257-7777. (3 DAYS) NOTIFY THE HOWARD COUNTY OFFICE OF CONSTRUCTIONS? INSPECTION AT 410-313-1330 AT LEAST 24 HOURS BEFORE STARTING MORK A. COMPRECION TO INSTALL STORM DEAN OFSITEM (E-1 TIMES 1-2), PERFORM OFFICE TO REDIRECT OFFICE.

DEAMAGE TO INLETS, INSTALL INLEY GROTECTEM AND PAMEDIATELY STABILITY 4. CONVENCTOR SHALL PROVIDE MANOCHANIX OF EXICTING SECOMENT TRAP, INSTAGL DISVENAY CULVERT MICE IMMEDIATELY STABBLICE, SUMP AND CREEA 5. CLEAR AND GRUB AS MECESSARY FOR INSTALLATION OF PERIMETER CONTROLS. 6 INSTALL THE STABBLIZED CONSTRUCTION EMPTANCE AND SUPER SET FENCE, CLEAN WATER ORES.

MOUNTABLE BERM AND EARTH OF PS 7. WITH PERMISSION FROM THE HOWARD COURTY SEGMENT CONTROL INSPECTOR, BEGIN ROUGH GRADING DRIVEWAY, ROUGH GRACE AROUND HOUSE SEE, AND INSTALL TEMPORARY SEEDING, IF REQUIRED. 33 (3875) 8. BECON CONSTRUCTOR BUILDING, DEVENAY, AND UTBITTES - TO HONDHIST 9. INSTALL SEPTIC TAKE, PUMP TAKE, CHITCHEFTON BOX, PIPING AND TREACHES, IF OUTSIDE OF

PERSMETER CONTROLS, DISTALL IN ACCORDANCE WITH DAILY STABILIZATION NOTE, DISTURBED PERMETER CONTRACTS SHALL BE HOMEDATELY MAINTAINED. 10, ROUGH GRADE MEDIO-BIORETENTRINS AND ANDTALL 24" BASIN DRAIN AND OUTFALL FINE GRADE SITE AND INSTALL PERSONAL 12. WITH THE CONTRIBUTING AREA STABILIZED AND WITH PERMISSION OF THE SECTIMENT CONTROL INSPECTOR, COMPLETE MICEO BEA-DETERSION FACILITY.

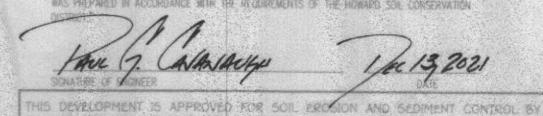
IN ALL FINAL GRADIES AND STABILIZATION THROUGH BE COMPLETED BEFORE ANY REMOVAL OF CONTROLS. WHEN ALL CONTRIBUTING AREAS TO THE SECURENT CONTROL DEVICES HAVE BEEN STABILIZED AND

WITH THE PERMENSION OF THE SCOMENT CONTROL DEVICES

MAY BE REMOVED 1) THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENARY EACH RADIFALL AND ON ALGAEN BASIS.

ENGINEER'S CERTIFICATE

"/WE SERREY THAT THIS PLAN FOR SEDIEN AND SEDMENT CONTROL REPRESENTS A PRICEICAL AND WERKARD PLAN BASED ON MY PERSONAL KNOWLEDGE OF BRE SIE GLASSIFICHS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION.



HE HOWARD SOIL CONSERVATION DISTRICT

6607 FAR FIELDS WAY LAUREL MD 20723

DETAIL CH

2.1 SLOPE OR PLATIES

SHOWING SHAPE DAY SLOPE

The same of the same

PLAN, MEW

FLOW CHANNEL STABLIZATION

CONSTRUCTION SPECIFICATIONS

4-10/8-3

A GOMPACT PAL

EARTH DIKE

committee por the Sine of Flattin

SEED WITH STREW HULDH AND TACK, (SOFT MASCARD FOR VALUE WATER

A 70 7 INCH STONE OF EQUINAEDHY RECYCLES JONICHESE MINISTED INTO SON A IMPRAMA OF 7 INCHES AND FILIDA WINA STOCKED.

REMOVE AND DESPOSE OF ALL WRITE, ERRICH STEEPS, SHETDERTHON, AND DOWN CONFIDENCES. WATERING OF AN NOT TO INTERPRETE WITH PROMES FLANCISTS OF EARTHORS.

CONSTRUCT FLOOR CHARGES ON SHI UNIXITEDIATED, CONTRIGUES GRADE, SELECTION THE LOCATION. SHE IS FREED CONTRIGUES AS NECESSARY TO MAINTAIN PROSTRE DEVENAGE.

4. STANDAITE CANDS DIRE WITTON HONCE DATE OF INSTRUCATION, STANDAITE FLOW CHONNES, FOR CLEAR MARKET ENGREDICAL WITHIN 26 HOURS OF INSTRUCATION.

MADITAR LIVE, GRADE, AND ORDER WITHOU MINUTE ANTIQUENTATION RETURNS AND DESIRE, AND MADITAR PROBLEM DRAWING MET FAMILY DRIC AND FRANT OF DECIMARY PRICE OF BROWNING AND CONTROLLED FOR MEDITAR, WESTATIVE ESTABLISHMENT IN ACCOMMAND MET. SECTION 18-4 ADDRESS TO BEING AND

SHOW WINDOWS OF CARRY DAY GRADE AREA FURTH WITH ENTERING DROUND. WITHER AS HEADY OF MEMORY OF STABLED DETURBED AREA WITH TOPICS, SEED AND MEMORY OF AS STREETED ON APPROVED BY APPROVED BY

MADELLAND TOWNSHOPS AND INFECUREATIONS FOR SEEL ENCOROR AND SERVICE CONTROL

ELEVADON

FASTEN IS GAUGE OR HEAVER CALVANIZED CHANG CHIC SENCE (2% THOM MAXIMUM OPENING) 42 INCHES HE HEIGHT SECURICLY TO THE FENCE POSTS WITH WIRE TIES OR HID FINOS.

PASTER WOVEN DETY FILM CESTOTTEE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSECIFIE BUT BY CHAIN LINK FERDE WITH THE SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. PROSESS SECTEMBERS AND CHAIN LINK PENCE A MEMBELL OF EXECUSE INTO THE CHOCKED.

WHERE ENDS OF THE GENTERINE COME TOGETHER THE ENDS SHALL BE CHERLAPPED BY 8 WICHES, POLICE, AND STAPLED TO PREMIUM SEDMENT BY PASS.

EXTEND BOOM ENDS OF THE SEPER SET FENCE A MINHAM OF FIVE HORIZONTAL FEET UPSEGRE AT 45 DESIGNES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AND UND THE ENDS OF THE SEPER SET FENCE.

PROMOR MANUFACTURER CERTIFICATION TO THE ASPECTION/ENFORCEMENT AUTHORITY SHOWING THAT CENTEXTILE USED MEETS THE REQUIREMENTS IN SECTION HIT MATERIALS.

SEMINYE ADCIMINATED SEDMENT AND DEBRIS WHEN BUIGES DEVELOP IN FENCE OR WHEN SEDIMENT REALISES TORK OF FENCE HOOSET REPLACE GESTEXTLE IF TORK IF UNDERMINING OCCUPS, PRINSTALL CHAIN LINK FENCING AND SEGSEXTRE.

WARM AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

2017

LINK FERCE (TYP.)

ISOMETRIC VIEW

SECTION FOR TYPE A AND B

WARTLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION WAS SEDIMENT CONTROL

B IN INTO GROUND ---

EDGE OF ROADWAY OR TOP OF EARTH DIKE

6 IN MIN.

STANDARD INLET

PROTECTION

-2 94 x 4 IN TRAMING

IYPEA

OF B-TOP ELEVATION

PROJECTION OF SHARE SARIE FIRE OF THE GRADE, AND CHOSE SECTION AS DECISION SARE.

GROWS SECTION

N-2/N-2 SEED WHY SON STABLIZATION NATING OR LOSS WITH GOD.

DE PROPRIE CLEAST PROTECTION AS REGIONED OF APPROVED PLAN.

DETAIL E-3 SUPER SILT FENCE

CHARLANK FENCING -

WOMEN SLIT FILM DECITEDINE.

Distributed the area

DKI IMPE

E SH IR MIN.

14 MEN

STANDARDY STONACH

TOP SLEWATION

TYPE A MAXIMUM DRAWAGE AREA = % ACRES

DEE

GALVANIZED GHOST LINK FENCE WITH WOVEN SUIT FILM DEDWOKELE

or - CHARL ANTICONT: 128 ON MINE: 301 DAY 1820.

9 - THE MOTH 24 TO SON. 38 OF HER

a - FLOR VENTS A FO DING 5 ST WING.

5 - FLORE SEPTING 12 NO MAN. 54 SH MIN.

STATIONIO SANDO DETAIL SIA STABILIZED CONSTRUCTION MINE TO -ENTRANCE ERSTING PAYEMEN WHERE (SET NOTE &) PROFILE SCLET SING LENGTH A PLAN YEW

CONSTRUCTION SPECIFICATIONS

PLACE STREAMS COMESTRUCTION ENTRANCE IN ACCUMUNANCE WITH SHE EXPRENDED PLAN VEHICLES HEST TRAVEL OWN WHE LINGUE LENGTH OF THE SCE LIST KINDARD LENGTH OF SO PACT ITSO HEST TOE SMOKE RESCENCE LOT, DIS MINISHM MOTE OF TO FEET TLANE SCE TO FEET MINISHM AT THE CUSTOMS ROAD TO PROMISE A TERMINO RADIUS

FOR ALL SURFACE WARES FLAVORE TO BE DISCRICTED TOWARD THE SIZ WHOLE THE DEPRENCE.

WARESMENDED PER DISCRIPTION OF THE DISCRIPTION OF THE SIZE WITH A BEGINNING FROM THE SIZE WITH SIX W

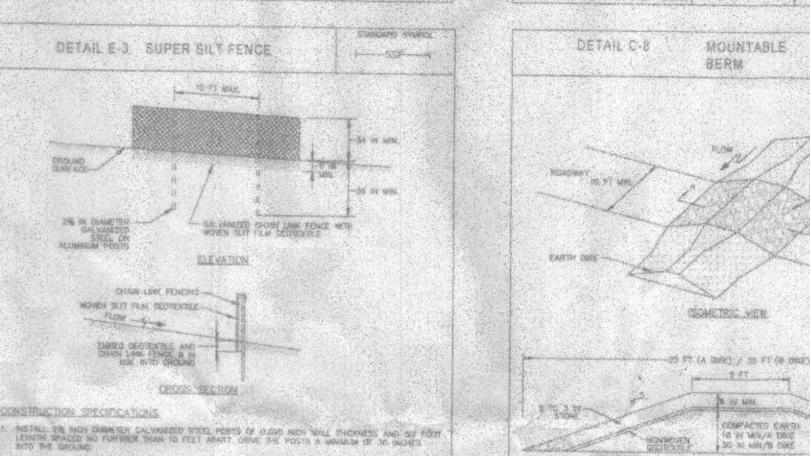
PREPARE BURGACK AND PLACE ROMBORN DESCENTEE, AS SPECIFIED IN SECTION N=1 MATERIALS. A PLACE ORIGINED ADDRESS OF TO 3 SHORES IN SEED OR EQUIVALENT RECYCLED OURSES OF CHICKEN TO SEED AND ACTION OF THE SEE.

MADETAIN ENTERING AT A CONFIDENCE THAT MICHINESS TRACKING OF SECURENT, AND STONE OF MAKE STREET REFAIRS AS COMMITTEES DEMAND TO MIDDIAN CILAR SURFACE, MICHITARIE SERVE AND STREETED DIMENSIONS, IMMEDIATELY REMOVE STONE MIDION SEDMENT SPRINE, CHOOSES, OR TRACKET ONTO ADMINISTRATION TO VARIABLE COVAPRIS AND/OR SECTIONS WASHING READWAY RE REMOVE MUST PRACKED ONTO PRINCIPLES NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SECREDITY CONTROL PRACTICE.

HARTLERED STANDARDE AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT SONOROL.

经本在基本基本

TO A IN STONE



SECTION A-A CONSTRUCTION SPECIFICATIONS

USE MERIMUM WITH OF 10 FEET TO ALLOW FOR VONCULAR PASSAGE.

PRISE HOWING STONE AS SPECIFED IN SECTION IT-1 MATERIALS, CHES THE EMPTH MOUND. PLACE 2 TO 3 NOW STONE OF FOUNTAINT RESPONDED DEMONSTE AT LEAST IS INCHES DEEP OVER THE LENGTH AND WOTH OF THE MOUNTAINE GERNE.

MAINTAN LINE GRADE, AND CROSS SECTION, AND STORE OR MAKE OFFICE AS CONDITIONS DESIGNS TO MAINTAIN SPECIFIED DIMENSIONS, REMOVE ACCORDED SECTION AND DESIGNS. MAINTAIN POSITIVE ORANAGE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDAMENT CONTROL

STANDARD SYMBOL DETAIL E-9-1 STANDARD INLET PROTECTION CONSTRUCTION SPECIFICATIONS USE WORTH SET FILM DEDTEXTIES AS SPECIFICO OF SECTION 30-1 MATERIALS. EXCAVABLE COMPLETELY EXCURS THE BLET TO A DEPTH OF 18 SECRET BELOW THE MOSER

FOR THE A USE MONBIAL SINCE X WINCH CONSTRUCTION CRACE LUMBER HIETS, DWIND I TOOT INTO THE GROUND AT EACH COUNTRY OF THE MALE MADE WAS STRIPE SETWICED THE MODE OF THE BEST ASSEMBLE FOR TOP PORTION OF ME TAX REPORT AS SHOWN SITE ON A MODE GRAVAMITTED PRODUCED DESCRIPE ASSEMBLE FOR ASSEMBLE ME FACTOR DESCRIPE AS STATUS TO THE HAPPOWERE CLOTH WITH THE SHADED EVERY ZATINGHES AT THE FORMAL MED GROUND SELECT FASTON OF MEDICAL PRODUCTS AND MARTINAME GLOTH & WARRANGE OF THE MODELS FLOW THE MEDICAL PRODUCTS OF THE SECTION OF MEDICAL PRODUCTS OF THE SECTION OF THE MEDICAL PRODUCTS OF THE SECTION OF THE MEDICAL PRODUCTS OF THE MEDICA

FOR TYPE IS, USE 25, MICH DIAMETER GALBANIZED STEEL RIGHTS OF JURES WICH WALL THRONGSS AND A FORE LENGTH DRIVEN A MINIMUM OF 38 MICHES BEFORE DIE WERE CRESS OF TAKEN CORNER OF THE FIRMULTURE. FASTEN IS BALGE ON HEAVISE CHARL LINE FORCE, AS MICHES IN WITCH'S SECURELY TO THE FIRMULT DISTS WITH MIST THE FASTEN OLDS TOWNER, AS MICHES IN WITCH'S FORCE WITH TES SPACES EWEY 24 MIGHES AT THE TUP AND MID SECURELY TO THE CHARL LINE FORCE A MINIMUM OF THE MICHES BRICK THE MEST CARCEL. BACKFILL ASCUND THE HALET IN LOOSE 4 WICH LIFTS AND COMPACT ON IL SOIL IS LEVEL WITH BUT MOTOR CLEVATION ON THE ENDS AND TOP CLEVATION ON THE SIDES

STORM CRAIN THAT PROTECTION INCLUDES PRECUENT MANUTHANCE REMOVE ACCUMENTATED SEDMENT AFTER SACH RAIN EVENT TO MARYTAN PENCHONE MSG SYDD PREMATURE ELORGICAL ET PROTECTION DES NOT COMPACTELY DEAD WITHIN 25 HOURS AFTER A STORM EVENT IN IS CLOSED. WHEN THIS EXCLUDE, DEMOVE ACCUMENTATED SERMENT AND DEAN, OR REPLACE CECTATER AND STORE

MARYLAND STANDARDS AND SPECIFICATIONS FOR BUIL EROSION AND SEDMENT CONTROL

GRADING SEDIMENT & EROSION

CONTROL PLAN 5016 TEN OAKS ROAD

TAX MAP No. 28 GRID No. 14 PARCEL No. 140 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE: 1"=30" DATE: DECEMBER, 2021

EMNAL OCCURS OFFICE PARK . LOSTE BALTMORE RATIONAL PILE BLICOTT CRY, MARTLAND TIVET

FISHER, COLLINS & CARTER, INC.

PROFESSIONAL CERTIFICATION HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL

ENGINEER LINDER THE LAWS OF THE STATE OF MARYLAND, EXCENSE NO. EXPIRATION DATE: 01/25/24.

OWNER DEBO ODUNIAND

Cairn Custom Homes 10548 Gorman Road Laurel, MO 20723 Phone: 410-816-7362

BUILDER

ZONING: RR-DEO

SHEET 3 OF 3

SCOPE OF WORK

BUILD CUSTOM HOME TO INCLUDE FIVE BEDROOMS, FIVE BATHROOMS, ONE POWDER ROOM, A THREE-CAR GARAGE AND AN OPTIONAL FINISHED BASEMENT WITH AN ADDITIONAL BEDROOM AND BATHROOM.

WHOLE HOUSE TO BE SPRINKLERED.

GROSS SQFT SECOND FLOOR: 2,866 SQFT FIRST FLOOR: 2,676 SQFT GARAGE: 813 SQFT FINISHED BASEMENT: 1,323 SQFT BASEMENT GROSS: 2,676 SQFT

RESIDENTIAL NOTES & SPECIFICATIONS

GENERAL CONSTRUCTION NOTES I. THESE STRUCTURAL NOTES AND SPECIFICATIONS SHALL BE CONSIDERED PART OF THE FINAL DESIGN PACKAGE (INCLUDING CONSTRUCTION DRAWINGS) FOR THE PROJECT SPECIFICALLY DESCRIBED ABOVE. NEITHER THE STRUCTURAL NOTES NOR THE DRAWINGS ALONE ARE SUFFICIENT IN

DESCRIBING A COMPLETE DESIGN. 2. DO NOT SCALE DRAWINGS. WRITTEN DIMENSION ON DRAWINGS SHALL GOVERN. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AND SHALL NOTIFY THIS OFFICE OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS. SHOP DRAWINGS MUST BE SUBMITTED TO THE OWNER/ARCHITECT BEFORE PROCEEDING WITH FABRICATION OF ASSEMBLIES,

STEEL, STAIRS, ROOF AND/OR FLOOR TRUSSES. 3. WHERE THERE IS CONFLICT BETWEEN DRAWINGS, SPECIFICATIONS OR DETAILS, THE CONTRACTOR SHALL CONTACT THE ARCHITECT FOR

CLARIFICATION. 4. PROVIDE TRANSITION STRIPS AT ALL CHANGES IN FLOOR FINISHES. 5. ALL CLOSETS ARE TO HAVE THE SAME FINISH AS THE ADJOINING ROOM UNLESS OTHERWISE NOTED.

6. PROVIDE PLUMBING FIXTURE ACCESS PANEL AT EACH TUB AND SHOWER ENCLOSURE AS REQUIRED BY LOCAL JURISDICTION. 7. PROVIDE HANDRAILS 34"-38" ABOVE NOSINGS ON ALL STAIRS. PROVIDE GUARDRAILS AT RAISED FLOORS, BALCONIES, ETC. 30" OR MORE ABOVE GRADE 8. STEEL BEAM POCKETS. SIZE AS INDICATED ON PLANS. BEAMS SHALL OR FLOOR BELOW, GUARDS SHALL BE MINIMUM 42" HIGH AND HAVE CLOSURES

SPACED TO PREVENT PASSAGE OF A 4" SPHERE. 8. PROVIDE NOMINAL 2X FIRE BLOCKING AT EVERY FLOOR INTERVAL, BULKHEAD OR UPON A METAL BEARING PLATE OF ADEQUATE DIMENSIONS TO AND CHASE. IF OPEN WEB FLOOR TRUSSES ARE UTILIZED, PROVIDE 1/2" GB DRAFTSTOPPING, NOT TO EXCEED 1,000 SF. 9. PROVIDE A MINIMUM 6'-8" HEAD CLEARANCE FOR ALL STAIRS. STAIR RISERS

SHALL NOT EXCEED 7-1/2" AND TREADS SHALL BE AT LEAST 10-1/2". 10. PROVIDE SOFFIT VENTS, RIDGE VENTS, OR GABLE END VENTS AS SHOWN ON THE DRAWINGS. MAINTAIN MINIMUM 1/300 FREE VENTILATION FOR HORIZONTALLY PROJECTED ROOF AREA, INSTALL PLASTIC OR CARDBOARD BAFFLES IN EACH TRUSS/RAFTER BAY TO MAINTAIN FREE AIR FLOW. 11. MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTORS SHALL BE REQUIRED TO SEAL ALL PENETRATIONS IN FLOORS AND EXTERIOR WALLS

CAUSED BY THEIR TRADES. 12. ROUGH CARPENTRY CONTRACTORS SHALL SEAL ALL PANEL BUTT JOINTS AND PLATES AT FLOORS, CEILINGS, WINDOWS, DOOR FLANGES AND JAMBS. 13. SHEATHING PENETRATION SHALL BE PATCHED AND REPAIRED TO

MANUFACTURER'S SPECIFICATIONS. 14. SLOPE ALL EXTERIOR PLATFORMS, PORCHES, WALKS AND GARAGE SLABS 1/8" IN 12" TO DRAIN, OR AS NOTED ON PLANS. 15. PROVIDE TERMITE PROTECTION INCLUDING SOIL TREATMENT BY LICENSED

SPECIFICATIONS - GENERAL CONDITIONS

EXTERMINATOR.

I. ALL WORK SHALL CONFORM TO ALL LOCAL AND NATIONAL ORDINANCES & BUILDING CODES APPLICABLE TO THIS PROJECT, INCLUDING BUT NOT LIMITED TO INTERNATIONAL RESIDENTIAL CODE - 2018. 2. DIMENSIONS GIVEN ON SCHEDULES ARE NOMINAL. CONTRACTOR AND MANUFACTURERS ARE TO COORDINATE ALL DIMENSIONS CONCERNING DOORS, PANELS, WINDOWS, EQUIPMENT, ETC. AND THEIR OPENINGS PRIOR

TO FABRICATION AND CONSTRUCTION. 3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, GRADES, BOUNDARIES, EASEMENTS AND CONSTRUCTION BEFORE PROCEEDING WITH THE WORK AND REPORT IMMEDIATELY ANY DISCREPANCIES TO THE ARCHITECT AND/OR

4. DESIGN STANDARDS USE GROUP: RESIDENTIAL

CONST. TYPE: TWO STORY WOOD FRAME W/ BRICK & SIDING. 5. DESIGN LOADS (IRC TABLE 301.5) WIND LOAD: ROOF LIVE LOAD: WIND SPEED: GROUND SNOW LOAD: 40 PSF IMPORT FACTOR: FLOOR LIVE LOAD (F.F.): 40 PSF EXP. FACTOR: FLOOR LIVE LOAD (S.F.): 30 PSF SEISMIC DESIGN CAT.: B ATTIC LIVE LOAD (ATTIC): 20 PSF WEATHERING: SEVERE GARAGE LIVE LOAD: 50 PSF ZONE: GUARD RAILS: 200 LBS. FORCE IN ANY DIRECTION SOIL BEARING: ASSUMED 2,000 PSF FROST LINE DEPTH - 30"

TERMITE: VERY HEAVY DECAY: VERY HEAVY

RADON RESISTANT CONSTRUCTION REQ'D: YES

CONCRETE

1. CONCRETE FOR THIS PROJECT SHALL BE NORMAL WEIGHT (145 PCF) AND CONCRETE WORK SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE (ACI) STANDARD 318-99. 2. CONCRETE SHALL HAVE MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000

ALL REINFORCING BAR SHALL BE GRADE 60 (FY-60,000 PSI) 4. ALL INTERIOR CONCRETE SLABS SHALL BE 4" THICK AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI WITH 6X6 - WI.4 x W1.4 WWF AND BE POURED OVER A SIX (6) MIL POLY VAPOR BARRIER4 OVER 4" POROUS GRANULAR FILL.

5. ALL INTERIOR CONCRETE SLABS 30'-0" OR GREATER IN ANY DIMENSION SHALL HAVE CONTROL JOINTS. 6.ALL EXTERIOR CONCRETE SLABS SHALL BE AIR ENTRAINED (AIR CONTENT BETWEEN 5% AND 7%) INCLUDING THE GARAGE SLAB, AND HAVE 4" GRANULAR FILL MIN BELOW CONCRETE SLAB.

7. WHERE PORCH (NOT MONOLITHICALLY POURED), PATIO OR OTHER

CONCRETE FLAT WORK ABUTS AN EXISTING CONCRETE SLAB PROVIDE A 1/2" ASPHALT IMPREGNATED FIBER BOARD EXPANSION JOINT. 8. ALL REINFORCING SHALL CONFORM TO "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT" (ASTM 1 615-60). WELDED WIRE FABRIC SHALL CONFORM TO LATEST ASTM A-185.

9. REINFORCEMENT FOR THE ANCHORAGE OF CONNECTING WORK, IF NOT CONTINUOUS, AND REINFORCEMENT FOR TEMPERATURE AND ALL OTHER PURPOSES NOT SPECIFICALLY PROVIDED, SHALL LAP 30 BAR DIAMETERS OR 18" MINIMUM AT ALL SPLICES, OR SHALL HAVE DOWELS OF THE SAME BAR SIZE AND SPACING AS THAT OF REINFORCING TO BE SPLICED OR WORK TO BE CONNECTED.

10. MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT: CONCRETE DEPOSITED AGAINST GROUND FORMED CONCRETE IN CONTATCT WITH GROUND FORMED CONCRETE NOT IN CONTACT WITH GROUND 12"

PREPARATION FOR SLAB I. REMOVE ALL VEGATATION AND TOP SOIL CONTAINING ORGANIC MATERIALS FROM THE ENTIRE AREA TO BE COVERED BY THE BUILDING. 2. IF FILL IS REQUIRED TO RAISE SLAB, SCARIFY THE SUB GRADE TO A DEPTH OF 6" AND RECOMPACT TO A MINIMUM DENSITY OF 92% AND A MAXIMUM OF 98% OF STANDARD PROCTOR DENSITY (ASTM-D-698) WITH A MOISTURE CONTECT AT OR SLIGHTLY ABOVE OPTIMUM. 3. INSTALL FILL IN LOOSE LIFTS OF 8" THICK AND UNIFORMLY COMPACTED AS

IN THE NOTE ABOVE. 4. FILL MATERIALS SHALL BE VERY SANDY TO CLAYEY SAND WITH A PLASTICITY INDEX (P.I.) IF BETWEEN 2 AND 15.

FOUNDATION PERIMETER INSULATION I. INSTALL EXPANDED RIGID CLOSED CELL POLYSTYRENE FOAM BORDER FED SPEC HH-I-542B. DENSITY 2.1 LBS PER CU. FT.: "R" VALUE PER 1" THICKNESS - 5.41

STAIR: DIMENSION: MAX R: 7 3" MIN T:10"

SHEET INDEX

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LATERAL BRACING PLANS & ELEVATIONS

STRUCTURAL STEEL NOTES

I. MATERIALS STRUCTURAL STEEL AND PLATE ASTM A36 UNFINISHED BOLTS ASTM A307 HIGH-STRENGTH BOLTS ASTM A325 WELDING ELECTRODES ASTM 1233, CLASS E70

2. BEAM TO BEAM AND COLUMN CONNECTIONS SHALL BE AISC STANDARD (FULL DEPTH) WHERE REACTIONS EXCEED MINIMUM CONDITIONS, THE APPROPRIATE CONNECTIONS SHALL BE DETERMINED BY FABRICATOR (CONTRACTOR)

3. ALL MAJOR CONNECTIONS SHALL BE HIGH STRENGTH FRICTION BOLTS OR WELDS OF EQUAL STRENGTH. ANCHOR BOLTS SHALL BE UNFINISHED BOLTS. 4. STEEL WORK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH LATEST AISC SPECIFICATIONS. 5. SUBMIT SHOP DRAWINGS FOR ALL STEEL WORK.

6. STEEL LINTELS - FOR ALL OPENINGS AND RECESSES IN STONE OR BRICK FACED WALLS NOT SPECIFICALLY DETAILED, PROVIDE ONE STEEL ANGLE FOR EACH 4 INCHES OF WALL THICKNESS. STEEL ANGLES TO HAVE MINIMUM BEARING OF 4" AT EACH END. HORIZONTAL LEG SHALL BE 3 1/2" UNLESS OTHERWISE SHOWN.

7. LINTEL SCHEDULE (UNLESS NOTED OTHERWISE ON PLANS) NOTE: ALL LINTELS ARE TO RECEIVE SHOP APPLIED CORROSION PROTECTION. HAVE A MINIMUM BEARING OF 4" IN LENGTH MEASURED PARALLEL TO DISTRIBUTE THE LOAD SAFELY. AREA AROUND BEAM TO RECEIVE PARGE FINISH.

9. 2x BEAM PLATE IS ANCHORED TO STEEL BEAM WITH 3/8" DIAMETER STEEL BOLTS OR EQUIVALENT POWER ACTIVATED FASTENERS AT 48" O/C. FASTENERS TO BE LOCATED A NEAR TO CENTER OF BEAM AS

10. STEEL BEAMS SHALL HAVE A MINIMUM BEARING OF 4 INCHES IN CONCRETE POCKETS AND A MINIMUM BEARING OF 3 INCHES ON STEEL COLUMNS. STEEL BEAMS SHALL BE CENTERED OVER COLUMNS

MASONRY

1. MASONRY VENEER SHALL BE ATTACHED TO THE SUPPORTING WALL WITH CORROSION RESISTANT METAL TIES, EACH TIE SHALL BE 24" ON CENTER HORIZONTALLY AND SHALL SUPPORT NOT MORE THAN 1/4 SQUARE FEET OF WALL AREA. ADDITIONAL METAL TIES SHALL BE PROVIDED AROUND ALL WALL OPENINGS GREATER THAN 16". THESE TIES SHALL BE SPACED NOT MORE THAN 3' ON CENTER AND PLACED WITHIN 12" OF THE WALL OPENING. 2. CONCRETE MASONRY UNITS SHALL MEET ASTM C-90 GRADE A. 28 DAYS OLD BEFORE INSTALLATION, MINIMUM NET COMPRESSIVE STRENGTH OF

BLOCK TO BE 2000 PSI. 3. CARE AND PROPER MEASURES SHALL BE EMPLOYED TO PREVENT ANY SUPER IMPOSED LOADS (I.E. WIND LOADS, SHOVING OR OTHER LATERAL FORCES) FROM BULGING OR DISTORTING FINISHED MASONRY WALLS BY WAY OF SHORING, BRACING OR OTHER MEANS AS SITE REQUIRES. 4. USE TYPE "M" MORTAR FOR MASONRY BELOW GRADE IN CONTACT WITH

5. USE TYPE "N" MORTAR FOR EXTERIOR, ABOVE GRADE LOAD BEARING OR NON-LOAD BEARING MASONRY WALLS AND FOR OTHER AREAS IF NOT OTHERWISE NOTED. EXCEPTION - MASONRY CONSTRUCTION REQUIRING HEAT RESISTANT MORTAR SHALL HAVE A REFRACTORY AIR SETTING MORTAR. 6. BRICK VENEER TO BE INSTALLED W/MIN. 3/16" DIA/ WEEP HOLES SPACED AT A MAXIMUM OF 24" O.C. HORIZONTALLY.

I. ALL HEADERS ARE TO BE DOUBLE 2X12 UNLESS SPECIFICALLY NOTED

WOOD FRAMING

I. UNLESS OTHERWISE NOTED, ALL INTERIOR PARTITIONS TO BE CONSTRUCTED WITH 2X4 STUDS, 16" O.C., WITH DOUBLE TOP PLATE. MINIMUM 2X12 HEADER/LINTELS AT ALL OPENINGS IN BEARING OR EXTERIOR WALLS. SHEATHING TO BE 2" CDX PLYWOOD OR OSB.

2. ALL FRAMING LUMBER SHALL BE SPF No. 1/No.2 AND HAVE A MINIMUM

ALLOWABLE EXTREME FIBER BENDING STRESS OF 875 PSI AND A MINIMUM MODULUS OF ELASTICITY OF 1,400,000 PSI. 3. ALL FLOOR DECKS ARE TO BE GLUED TO SUPPORTING BEAMS AND JOIST WITH PL-400 ADHESIVE AS MANUFACTURED BY "CONTECH" OR APPROVED

4. ALL WOOD BEAMS MADE OF TWO OR MORE MEMBERS SHALL BE GLUED

WITH PL-400 ADHESIVE AND NAILED TOGETHER @ 12" 5. ALL WOOD POSTS MADE UP OF MULTIPLE PIECES SHALL BE GLUED WITH PL-400 ADHESIVE AND NAILED @ 12" O.C. BOTH SIDES. 6. DIRECTLY UNDER PARTITIONS WHICH RUN TO JOISTS (AND ARE OTHERWISE UNSUPPORTED) INSTALL DOUBLE JOISTS. 7. ALL RAFTERS AND JOISTS SHALL HAVE WOOD OR METAL CROSSBRIDGING AT 8' O.C. OR AT CENTER OF SPAN WHICHEVER IS LESS. 8. CONTINUOUS LOAD PATH: STEEL HARDWARE CONNECTORS TO GUARD AGAINST UPLIFT FORCES SHALL BE INSTALLED FROM THE FOUNDATIONS TO THE ROOF RAFTERS AT ALL STUDS. THESE SHALL INCLUDE BUT ARE NOT LIMITED TO FOUNDATION CONNECTORS, FLOOR TO FLOOR CONNECTORS, AND ROOF RAFTER HURRICANE CONNECTORS/ANCHORS.

9. MINIMUM BEARING FOR WOOD JOIST, RAFTERS AND BEAMS SHALL BE 3 $\frac{1}{2}$ " ON WOOD AND 4" ON MANSONRY. 10. INSTALL WOOD JOIST HANGER & WOOD BEAM HANGER CONNECTIONS AS FOLLOWS: JOIST HANGER MIN. CAPACITY - 800#

BEAM HANGER MIN. CAPACITY - 3500# I. INSTALL MINIMUM DOUBLE STUDS AT JAMBS OF ALL OPENINGS IN WALLS OR AS SHOWN ON PLAN. 12. ALL MANUFACTURED TRUSSES ARE TO BE IN ACCORDANCE WITH ASCE

13. FOUNDATION ANCHORAGE: SILL PLATES AND WALLS SUPPORTED DIRECTLY ON CONT. FOUNDATIONS SHALL BE ANCHORED ACCORDING TO IRC R403.1.6. 14. ALL SILL PLATES AND LUMBER IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED SOUTHERN YELLOW PINE.

1. ALL FINISHES SHALL BE CLASS C OR BETTER WITH A FLAME SPREAD OF 76-200 OR BETTER AND A SMOKE DEVELOPED INDEX OF 0-450.

BUILDING THERMAL ENVELOPE. THE BUILDING THERMAL ENVELOPE SHALL BE DURABLY SEALED TO LIMIT INFILTRATION. THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION. THE FOLLOWING SHALL BE CAULKED, GASKETED, WEATHER STRIPPED OR OTHERWISE SEALED WITH AN AIR BARRIER MATERIAL, SUITABLE FILM OR SOLID MATERIAL. 1. ALL JOINTS, SEAMS AND PENETRATIONS.

2. SITE-BUILT WINDOWS, DOORS AND SKYLIGHTS. 3. OPENINGS BETWEEN WINDOW AND DOOR ASSEMBLIES AND THEIR RESPECTIVE JAMBS AND FRAMING.

4. UTILITY PENETRATIONS 5. DROPPED CEILINGS OR CHASES ADJACENT TO THE THERMAL ENVELOPE. 7. WALLS AND CEILINGS SEPARATING A GARAGE FROM CONDITIONED SPACES. 8. BEHIND TUBS AND SHOWERS ON EXTERIOR WALLS.

9. COMMON WALLS BETWEEN DWELLING UNITS. 10. ATTIC ACCESS OPENINGS. 11. RIM JOIST JUNCTION. 12. OTHER SOURCES OF INFILTRATION.

HEADER SCHEDULE (U.N.O.) **OPENING SIZE** HEADER SIZE **OPENINGS UP TO 3'** (2) 2×10 OPENINGS GREATER THAN 3' UP TO 6' (2) 1.75 x 9.50 2.0E LVL OPENINGS GREATER THAN 6' UP TO 8' (2) 1.75 x 11.875 2.0E LVL

	REINFORG	CED CONCRETI	E AND MASONRY FOUN	IDATION WALLS		
	MAX. UNBALANCED	MIN. VERT. REINFORCEMENT SIZE & SPACING FOR 10" NOMINAL WALL THICKNESS SOIL CLASSES				
	BACKFILL HT.					
		GW,GC,SW & SP SOILS	GM, GC, SM, SM-SC & ML SOILS	SC, MH, ML-CL & INORG. CL SOILS		
9	5	#4 @ 56" O.C.	#4 @ 56" O.C.	#4 @ 48" O.C.		
	6	#4 @ 56" O.C.	#4 @ 40" O.C.	#4 @ 32" O.C.		
	7	#4 @ 56" O.C.	#5 @ 48" O.C.	#6 @ 48" O.C.		
	8	#4 @ 32" O.C.	#6 @ 48" O.C.	#4 @ 16" O.C.		
	9	#5 @ 40" O.C.	#6 @ 40" O.C.	#7 @ 40" O.C.		
			RT. REINFORCEMENT SI R 8" NOMINAL WALL TH			
	5	#4 @ 48" O.C.	#4 @ 48" O.C.	#5 @ 48" O.C.		
	6	#4 @ 48" O.C.	#5 @ 48" O.C.	#6 @ 48" O.C.		
9	7	#5 @ 48" O.C.	#6 @ 48" O.C.	#6 @ 32" O.C.		
	8	#5 @ 40" O.C.	#6 @ 32" O.C.	#6 @ 24" O.C.		
	9	#6 @ 40" O.C.	#6 @ 24" O.C.	#6 @ 16" O.C.		
			RT. REINFORCEMENT SIZE			
	7'-4"	#4 @ 72" O.C.	#5 @ 72" O.C.	#6 @ 72" O.C.		
	8'-0"	#5 @ 72" O.C.	#6 @ 72" O.C.	#6 @ 64" O.C.		
	100100000000000000000000000000000000000	THE RESIDENCE OF THE PARTY OF T		The second secon		

#5 @ 72" O.C.

#6 @ 72" O.C.

#6 @ 64" O.C.

9'-4"

10'-0"

#7 @ 72" O.C.

#6 @ 48" O.C.

#6 @ 40" O.C.

#6 @ 48" O.C.

#6 @ 40" O.C.

#6 @ 32" O.C.





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I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NUMBER 13662, EXPIRATION 10-22-2023.

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PROJECT PHASE

PERMIT

PROJECT TITLE

THE RESIDENCE

5016 Ten Oaks Rd Clarksville, MD 21029

SYMBOL	DATE	ISSUED FOR
198		
70.		

21-613 PROJECT NUMBER 03/24/2022

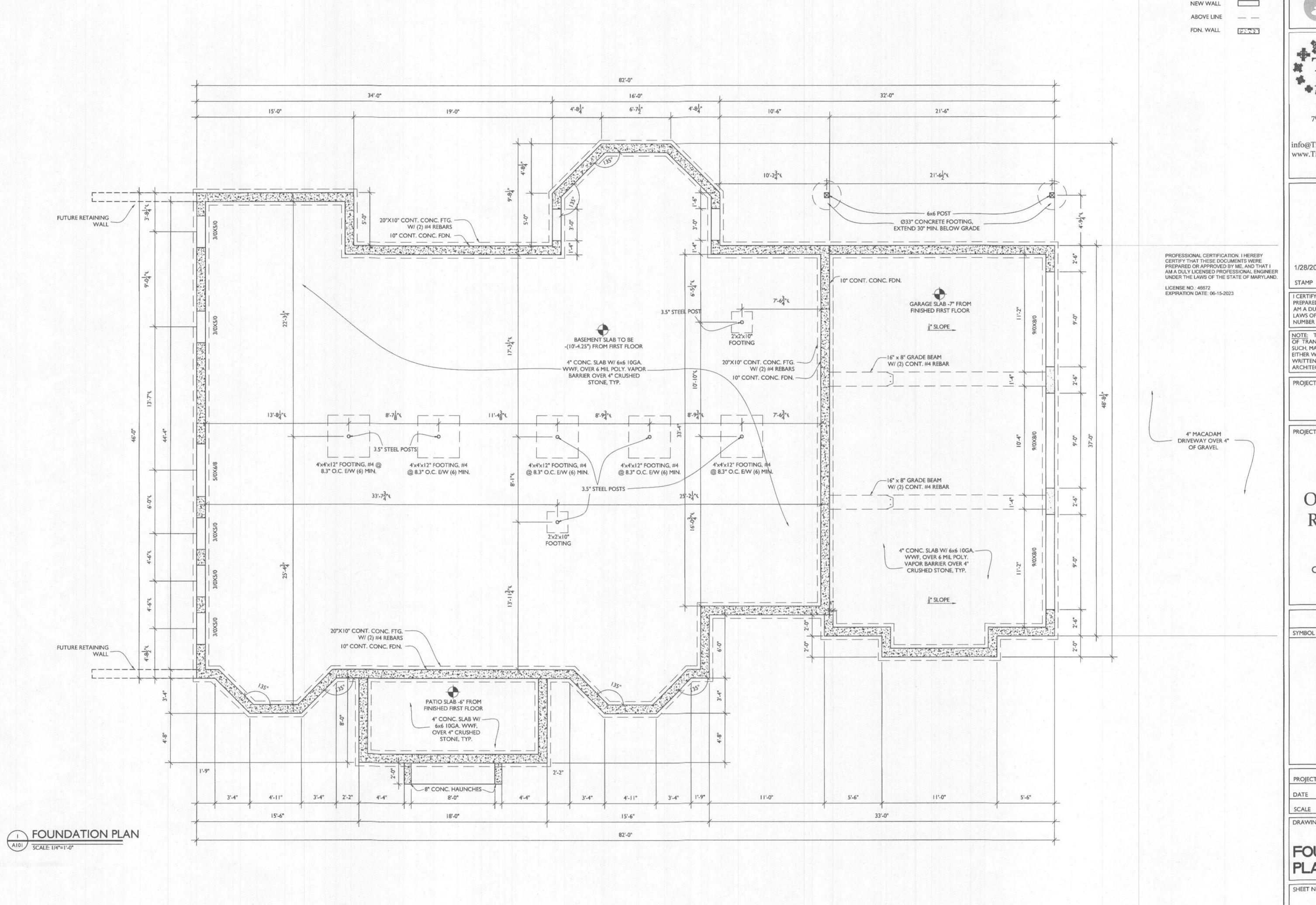
AS NOTED

SCALE

DRAWING TITLE

PROJECT NOTES + SCHEDULES

SHEET NUMBER





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PROJECT TITLE

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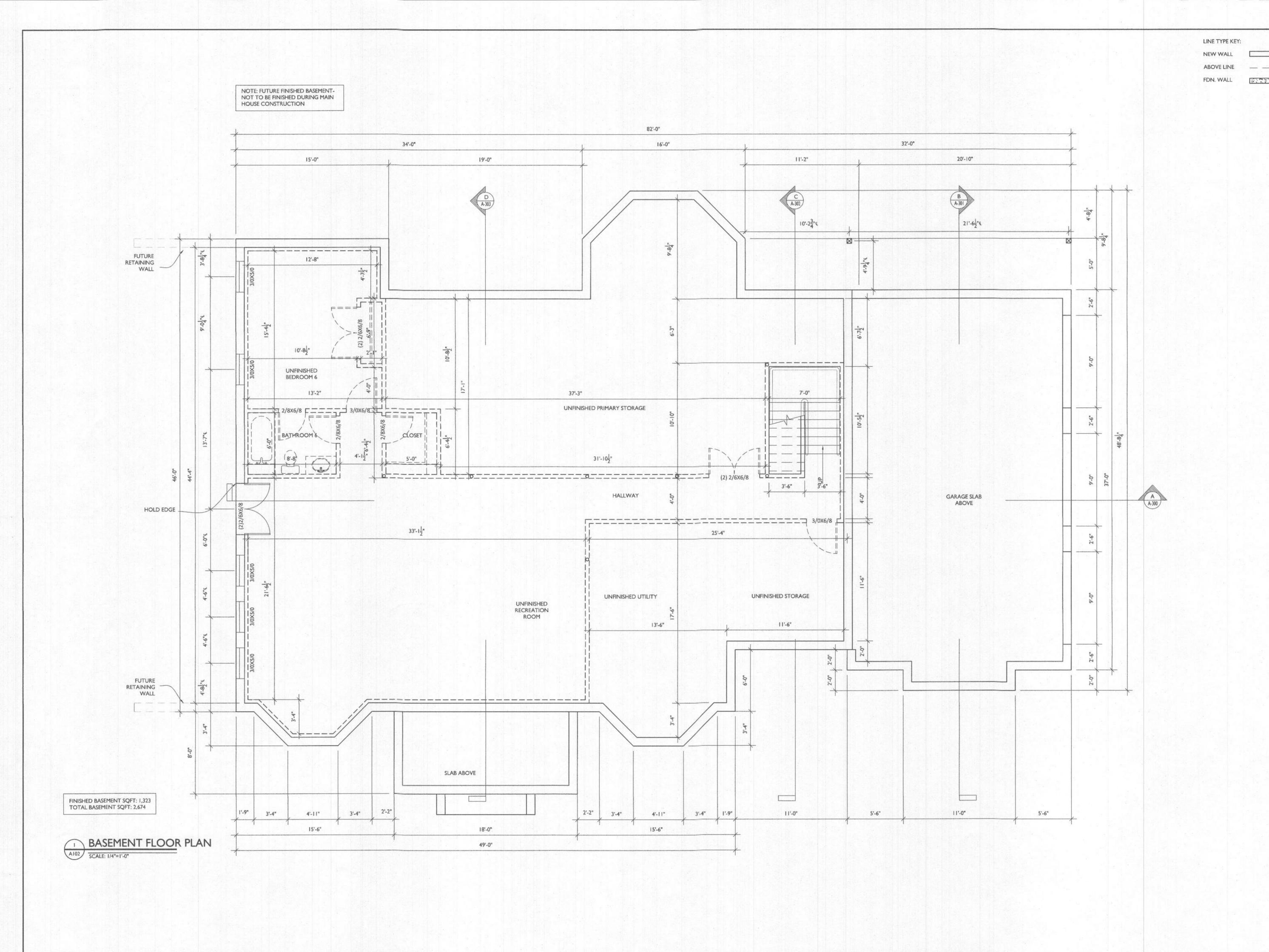
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SYMBOL	DATE	ISSUED FOR

21-613 PROJECT NUMBER 01/24/2022 AS NOTED

DRAWING TITLE

FOUNDATION PLAN







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SYMBOL	DATE	ISSUED FOR

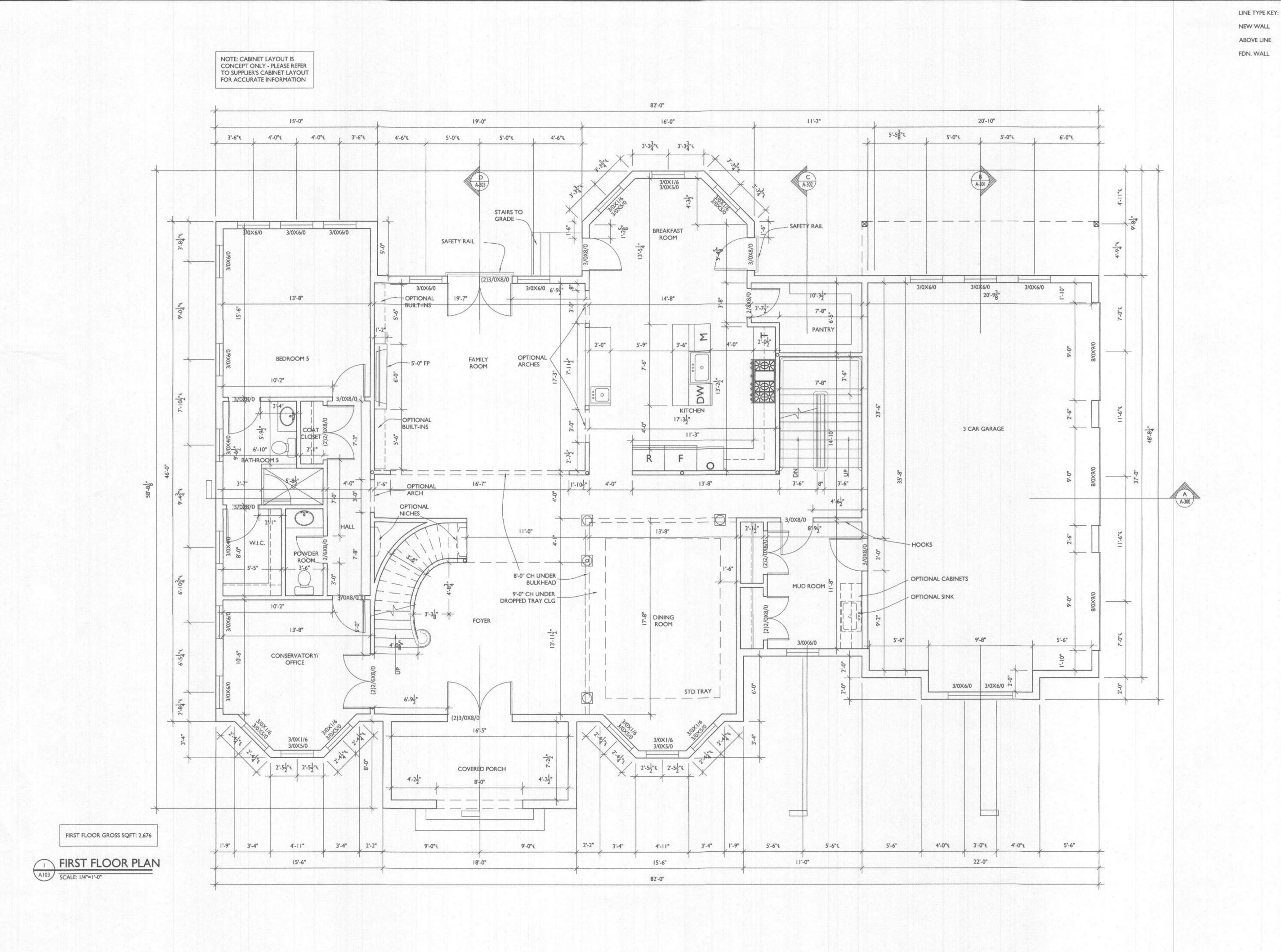
 PROJECT NUMBER
 21-613

 DATE
 03/24/2022

 SCALE
 AS NOTED

BASEMENT FLOOR PLAN

SHEET NUMB



CAIRN custom homes



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PROJECT PHASE

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PROJECT TITLE

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	REVIS	IONS
SYMBOL	DATE	ISSUED FOR

 PROJECT NUMBER
 21-613

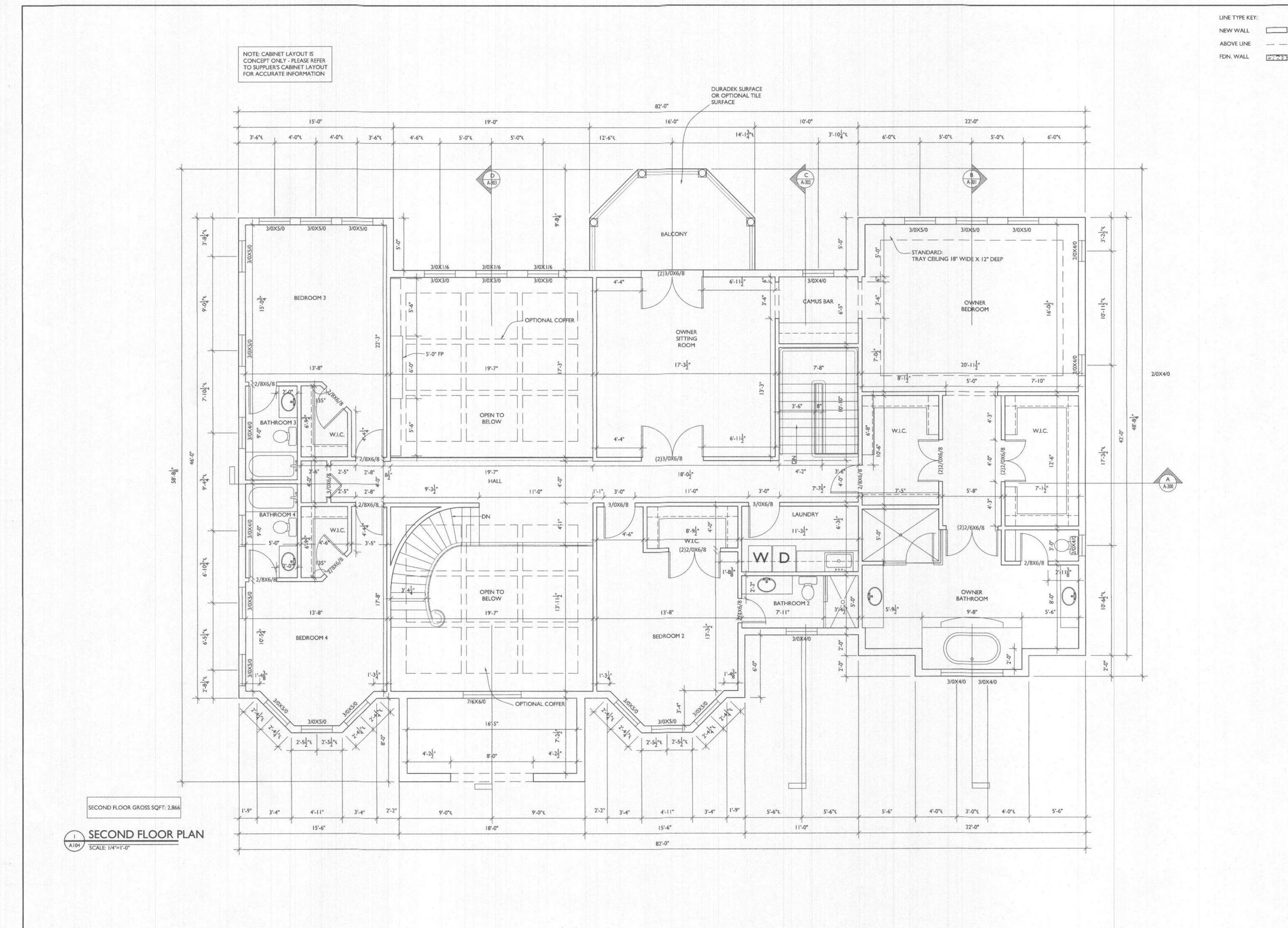
 DATE
 03/24/2022

 SCALE
 AS NOTED

DRAWING TITLE

FIRST FLOOR PLAN

SHEET NUMBER







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PROJECT PHASE

PERMIT

PROJECT TITLE

THE ODUNLAMI RESIDENCE

5016 Ten Oaks Rd Clarksville, MD 21029

	REVIS	IONS
SYMBOL	DATE	ISSUED FOR
High		

PROJECT NUMBER 21-613

DATE 03/24/2022

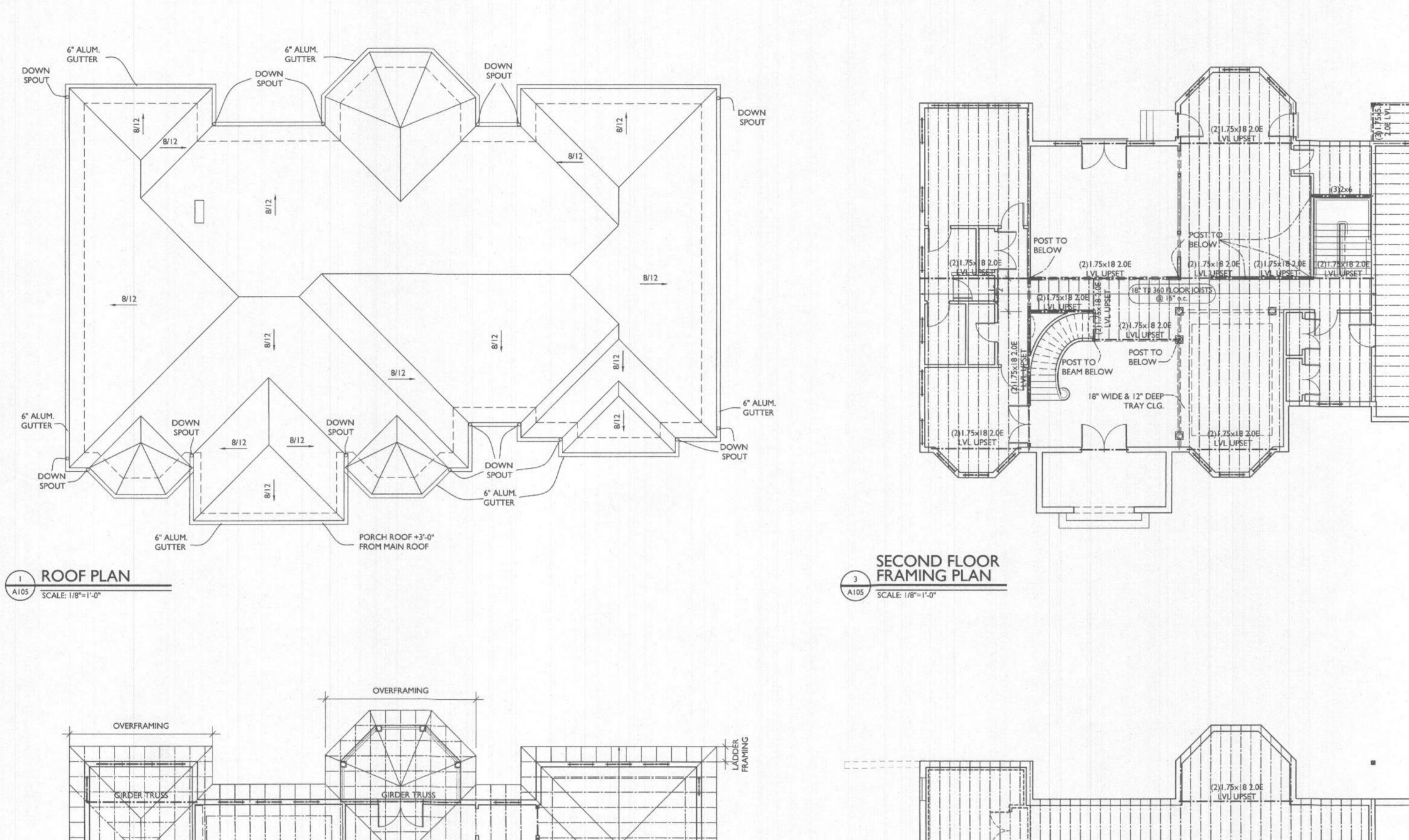
SCALE AS NOTED

SCALE

DRAWING TITLE

SECOND FLOOR PLAN

SHEET NUMBER



-SPLICE BEAMS OVER POSTS, TYPICAL 3" BEAM POCKET GARAGE SLAB (2)1.75×18 2.0E (P) 1.75×18 2 0E LVL UPSET

FIRST FLOOR
FRAMING PLAN

LINE TYPE KEY:

(3)1.75×18 2.0E LVL UPSET

NEW WALL ABOVE LINE

FDN. WALL

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I

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PROJECT PHASE



PROJECT TITLE

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5016 Ten Oaks Rd Clarksville, MD 21029

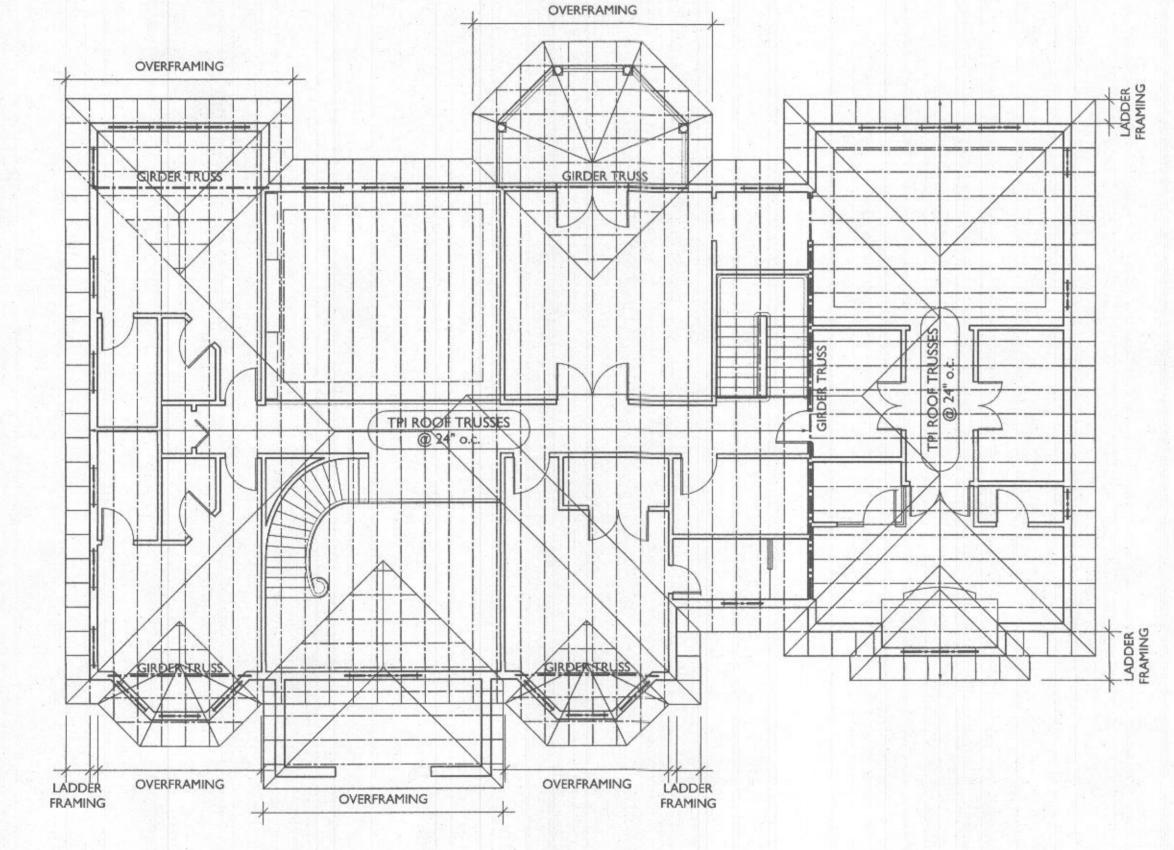
	REVIS	ONS
SYMBOL	DATE	ISSUED FOR

21-613 PROJECT NUMBER 01/24/2022 AS NOTED

DRAWING TITLE

ROOF PLAN + FRAMING PLANS

A-105



ROOF FRAMING

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

TABLE R602.3(1) FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER (*a,*b,*c)	SPACING OF FASTENERS
	ROOF		
ı	BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOE NAIL	3-8d (2½" × 0.113")	
2	CEILING JOISTS TO PLATE, TOE NAIL	3-8d (2½" × 0.113")	
3	CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER, LAP OVER PARTITIONS, FACE NAIL	3-10d	
4	COLLAR TIE RAFTER, FACE NAIL OR 11/4" x 20 GAGE RIDGE STRAP	3-10d (3" × 0.128")	
5	RAFTER TO PLATE, TOE NAIL	2-16d (3½" x 0.135")	to a Maria
6	ROOF RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS: TOE NAIL FACE NAIL	4-16d (3½" × 0.135") 3-16d (3½" × 0.135")	
~	WALL DUNITATION CONTRACTIONS	104 (28 - 0.120%)	248
7	BUILT-UP CORNER STUDS	10d (3" × 0.128")	24" o.c.
8	BUILT-UP HEADER, TWO PIECES WITH 1/2" SPACER	16d (3½" × 0.135")	16" o.c. ALONG EACH EDGE
9	CONTINUED HEADER, TWO PIECES	16d (3½" × 0.135")	16" o.c. ALONG EACH EDGE
10	CONTINUOUS HEADER TO STUD, TOE NAIL	4-8d (2½" × 0.113")	
11	DOUBLE STUDS, FACE NAIL	10d (3" × 0.128")	24" o.c.
12	DOUBLE TOP PLATES, FACE NAIL	10d (3" x 0.128")	24" o.c.
13	DOUBLE TOP PLATES, MINIMUM 48-INCH OFFSET OF END JOINTS, FACE NAIL IN LAPPED AREA	8-16d (3½" × 0.135")	
14	SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d (3½" × 0.135")	16" o.c.
15	SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANELS	3-16d (3½" × 0.135")	16" o.c.
16	STUD TO SOLE PLATE, TOE NAIL	3-8d (2½" × 0.113") OR 2-16d (3½" × 0.135")	
17	TOP OR SOLE PLATE TO STUD, END NAIL	2-16d (3½" x 0.135")	
18	TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS, FACE NAIL	3-10d (3" × 0.128")	
19	I" BRACE TO EACH STUD AND PLATE, FACE NAIL	2-8d (2½" × 0.113") 2 STAPLES 1¾"	
20	I" x 6" SHEATHING TO EACH BEARING, FACE NAIL	2-8d (2½" × 0.113") 2 STAPLES 1¾"	
21	I" x 8" SHEATHING TO EACH BEARING, FACE NAIL	2-8d (2½" × 0.113") 2 STAPLES 1¾"	
22	WIDER THAN I" x 8" SHEATHING TO EACH BEARING, FACE NAIL	3-8d (2½" x 0.113") 3 STAPLES 1¾"	
22	FLOOR	2.0.1.01/8 0.1198	
23	JOIST TO SILL OR GIRDER, TOE NAIL	3-8d (2½" × 0.113")	*****
24	I" x 6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	2-8d (2½" × 0.113") 2 STAPLES 1¾"	
25	2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	2-16d (3½" × 0.135")	
26	RIM JOIST TO TOP PLATE, TOE NAIL (ROOF APPLICATIONS ALSO)	8d (2½" × 0.113")"	6" o.c.
27	2" PLANKS (PLANK & BEAM - FLOOR & ROOF)	2-16d (3½" × 0.135")	AT EACH BEARING
28	BUILT-UP GIRDERS AND BEAMS, 2 INCH LUMBER LAYERS	10d (3" × 0.128")	NAIL EACH LAYER AS FOLLOWS: 3 o.c. AT TOP AND BOTTOM AND STAGGERED. TWO NAILS AT END AND AT EACH SPLICE.
29	LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	3-16d (3½" × 0.135")	AT EACH JOIST OR RAFTER

TABLE R602.3(1) - CONTINUED FASTENER SCHEDULE FOR STRUCTURAL MEMBERS

ITEM	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER (*b,*c,*e)	SPACING OF F	ASTENERS
			EDGES (INCHES)*i	INTERMEDIATE SUPPORTS*c,*e (INCHES)
	WOOD STRUCTURAL PANELS, SUBFLOOR, ROOF AND IN	TERIOR WALL SHEATHING TO FRAMING AND PARTICLEBOARD WALL	SHEATHING TO FR	AMING
30	3%"-1/2"	6d common (2" x 0.113") nail (subfloor wall)*j 8d common (2½" x 0.131") nail (roof)	6	12*g
31	3/6"-1/2"	6d common (2" x 0.113") nail (subfloor, wall) 8d common (2½" x 0.131") nail (roof)*f	6	12*g
32	19/32"- 1"	8d common (2½" x 0.131")	6	12*g
33	11/8"- 11/4"	10d common (3" x 0.148") nail or 8d common (2½" x 0.131") deformed nail	6	12
	OTHER WALL SHEATHING*h			
34	½" STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	光" galvanized roofing nail, %6" crown or 1" crown staple 16ga., 以4" long	3	6
35	²⁵ / ₃₂ " STRUCTURAL CELLULOSIC FIBERBOARD SHEATHING	1¾" galvanized roofing nail, ¾6" crown or 1" crown staple 16ga. 1½" long	3	6
36	从" GYPSUM SHEATHING*d	1½" galvanized roofing nail, staple galvanized, 1½" long; 1¼" screws, Type W or S	7	7
37	%" GYPSUM SHEATHING *d	1¾" galvanized roofing nail; staple galvanized, 1½" long; 1½" screws, Type W or S	7	7
	WOOD STRUCTURAL PANELS, COMBINATION SUBFLOOI	R UNDERLAYMENT TO FRAMING		
38	¾" AND LESS	6d deformed (2" × 0.120") nail or 8d common (2½" × 0.131") nail	6	12
39	7/8"-1"	8d common (2½" × 0.131") nail or 8d deformed (2½" × 0.120") nail	6	12
40	1/8"- 1/4"	10d common (3" x 0.148") nail or 8d deformed (2½" x 0.120") nail	6	12

- *a All nails are smooth-common, box or deformed shanks except where otherwise stated. Nails used for framing and sheathing connections have minimum average bending yield strengths as shown: 80 ksi for shank diameter of 0.192 inch (20d common nall), 90 ksi for shank diameters larger than 0.142 inch but not larger than 0.177 inch, and 100 ksi for shank diameters of 0.142 inches or less.
- *b Staples are 16 ga. wire and have a minimum 7/6 inch on diameter crown width. *c - Nails shall be spaced at not more than 6 inches on center at all supports where spans are 48 inches or greater.
- *d Four-foot-by-8-foot or 4-foot-by-9-foot panels shall be applied vertically.
- *e Spacing of fasteners not included in this table shall be based on Table R602.3(2).
- *f For regions having a basic wind speed of 110mph or greater, 8d deformed (2½" x 0.120") nails shall be used for attaching plywood and wood structural panel roof sheathing to framing within minimum 48-inch distance from gable end walls, if mean roof height is more than 25 feet, up to 35 feet maximum.
- *g For regions having a basic wind speed of 100mph or less, nails for attaching wood structural panel roof sheathing to gable end wall framing shall be spaced 6 inches on center. When basic wind
- speed is greater than 100mph, nails for attaching panel roof sheathing to intermediate supports shall be spaced 6 inches on center for minimum 48-inch distance from ridges, eaves and gable end walls; and 4-inches on center to gable end wall framing.
- *h Gypsum sheathing shall conform to ASTM C 1396 and shall be installed in accordance with GA 253. Fiberboard sheathing shall conform to ASTM C 208.
- *i Spacing of fasteners on floor sheathing panel edges applies to panel edges supported by framing members and required blocking and at all floor perimeters only. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking. Blocking of roof or floor sheathing panel edges perpendicular to the framing members need not be provided except as required by other provisions of this code. Floor perimeter shall be supported by framing members or solid blocking.

TABLE R602.10.4.1 **BRACING METHODS**

METHOD	MATERIAL	MINIMUM THICKNESS	CONNECTION CRITERIAL
CS-WSP	WOOD STRUCTURAL PANEL	3/8"	6d common (2" x 0.113") nails at 6" spacing (panel edges) and at 12" spacing (intermediate supports) or 16ga. x 1¾ staples at 3" spacing (panel edges) and 6" spacing (intermediate supports)
CS-G	WOOD STRUCTURAL PANEL ADJACENT TO GARAGE OPENINGS AND SUPPORTING ROOF LOAD ONLY*a,*b	1/8 "	See Method CS-WSP
CS-PF	CONTINUOUS PORTAL FRAME	See Section R602.10.4.1.1	See section R602.10.4.1.1

*a - Applies to one wall of a garage only. *b - Roof covering dead loads shall be 3 psf or less.

TABLE N1102.4.1.1 AIR BARRIER AND INSULATION INSPECTION

COMPONENT	CRITERIA	
AIR BARRIER AND THERMAL BARRIER	EXTERIOR THERMAL ENVELOPE INSULATION FOR FRAMED WALLS IS INSTALLED IN SUBSTANTIAL CONTACT AND CONTINUOUS ALIGNMENT WITH BUILDING ENVELOPE AIR BARRIER. BREAKS OR JOINTS IN THE AIR BARRIER ARE FILLED OR REPAIRED. AIR-PERMEABLE INSULATION IS NOT USED AS A SEALING MATERIAL.	
CEILING/ ATTIC	AIR BARRIER IN ANY DROPPED CEILING/ SOFFIT IS SUBSTANTIALLY ALIGNED WITH INSULATION AND ANY GAPS ARE SEALED ATTIC ACCESS (EXCEPT UNVENTED ARRIC), KNEE WALL DOOR, OR DROP DOWN STAIR IS SEALED.	
WALLS	CORNERS AND HEADERS ARE INSULATED. JUNCTION OF FOUNDATION AND SILL PLATE IS SEALED.	
WINDOWS AND DOORS	SPACE BETWEEN WINDOW/ DOOR JAMBS AND FRAMING IS SEALED.	
RIM JOISTS	RIM JOISTS ARE INSULATED AND INCLUDE AN AIR BARRIER.	
FLOORS (including above garage and cantilevered floors)	INSULATION IS INSTALLED TO MAINTAIN PERMANENT CONTACT WITH UNDERSIDE OF SUBFLOOR DECKING. AIR BARRIER IS INSTALLED AT ANY EXPOSED EDGE OF FLOOR.	
CRAWLSPACE WALLS	INSULATION IS PERMANENTLY ATTACHED TO WALLS. EXPOSED EARTH IN UNVENTED CRAWLSPACES IS COVERED WITH CLASS I VAPORETARDER WITH OVERLAPPING JOINTS TAPED.	
SHAFTS, PENETRATIONS	DUCT SHAFTS, UTILITY PENETRATIONS, KNEE WALLS AND FLUE SHAFTS OPENING TO EXTERIOR OR UNCONDITIONED SPACE ARE SEALED.	
NARROW CAVITIES	BATTS IN NARROW CAVITIES ARE CUT TO FIT, OR NARROW CAVITIES ARE FILLED BY SPRAYED/ BLOWN INSULATION.	
GARAGE SEPARATION	AIR SEALING IS PROVIDED BETWEEN THE GARAGE AND CONDITIONED SPACES.	
RECESSED LIGHTING	RECESSED LIGHT FIXTURES ARE AIRTIGHT, IC RATED AND SEALED TO DRYWALL. EXCEPTION FIXTURES IN CONDITIONED SPACE.	
PLUMBING AND WIRING	INSULATION IS PLACED BETWEEN OUTSIDE AND PIPED. BATT INSULATION IS CUT T FIT AROUND WIRING AND PLUMBING, OR SPRAYED/BLOWN INSULATION EXTENDS BEHIND PIPING AND WIRING.	
SHOWER/TUB ON EXTERIOR WALL	SHOWERS AND TUBS ON EXTERIOR WALLS HAVE INSULATION AND AN AIR BARRIER SEPARATING THEM FROM THE EXTERIOR WALL.	
ELECTRICAL/PHONE BOX ON EXTERIOR WALL	IR BARRIER EXTENDS BEHIND BOXES OR AIR SEALED TYPE BOXES ARE ISTALLED.	
COMMON WALL	AIR BARRIER IS INSTALLED IN COMMON WALL BETWEEN DWELLING UNITS.	
HVAC REGISTER BOOTS	HVAC REISTER BOOTS THAT PENETRATE BUILDING ENVELOPE ARE SEALED TO SUBFLOOR OR DRYWALL	
FIREPLACE	FIREPLACE WALLS INCLUDE AN AIR BARRIER.	

PRESCRIPTIVE COMPONENT REQUIREMENTS - METHOD I

BASED ON R-VALUES OR U-FACTORS I. THE EXACT LOCATION OF ALL OF THE BUILDING THERMAL ENVELOPE SHALL BE MARKED OUT ON THE PLANS, DETAILS, AND CROSS-SECTIONS.

2. PROVIDE ALL INSULATION R-VALUES OR U-FACTORS, MATERIAL, AND LOCATIONS TO BE INSTALLED (WALLS, CEILINGS, CANTILEVER FLOORS, FLOORS OVER GARAGE, CRAWL SPACE, BASEMENT WALLS, ETC.) PER TABLES: 402.1.1 OR 402.1.3 OR 402.2.5 FOR STEEL-FRAMED CONSTRUCTION. 3. PROVIDE ALL FENESTRATION U-FACTORS FOR ALL GLAZING FOR EACH WINDOW AND DOOR PER TABLE 402.1.1

(SCHEDULE SUPPLIED BY DESIGNER) 4. INDICATE HOW ALL AREAS LISTED IN SECTION 402.4.2 (TABLE) WILL BE PROTECTED AGAINST AIR LEAKAGE. 5. INDICATE IF CRAWLSPACE(S) ARE CONDITIONED OR VENTED, MUST HAVE VAPOR BARRIER IF CONDITIONED.

6. INDICATE DUCT INSULATION R-VALUES, MINIMUM R-6, R-8 IN ATTICS.

7. INDICATE DUCT SEALING METHODS PER IRC M1601.4.1 8. INDICATE LOCATION OF HVAC EQUIPMENT ON PLANS (INSIDE OR OUTSIDE THE ENVELOPE)

WALL BRACING NEEDED & PROVIDED IRC R602.10.4 WALL BRACING METHOD BRACED PANEL MIN WIDTH FOR 9' CLG = 27", 8' CLG = 24" CS-PF MIN WIDTH FOR 9' CLG = 18"

IST FLOOR - 10' CLG - 60'-0" LONG WALL 'A' 2ND FLOOR - 9' CLG - 60'-0" LONG WALL 'E' BRACING NEEDED: 17'-0" x 1.0 = 17'-0" MIN. BRACING NEEDED: 17'-0" x 0.95 = 16'-2" MIN. P.F. PROVIDED: 3'-4" x 1.5=5'-0" P.F. PROVIDED: 3'-4" x 1.5=5'-0" W.S.P. PROVIDED: 12'-0" x 1.0=12'-0" W.S.P. PROVIDED: 12'-0" x 1.0=12'-0" TOTAL BRACING PROVIDED: 17'-0" TOTAL BRACING PROVIDED: 17'-0" IST FLOOR - 10' CLG - 22'-0" LONG WALL 'B' 2ND FLOOR - 9' CLG - 22'-0" LONG WALL 'F' BRACING NEEDED: $6'-6'' \times 1.0 = 6'-6''$ MIN. BRACING NEEDED: 6'-6" x 0.95 = 6'-1.5" MIN. BRACING PROVIDED: 6'-6" BRACING PROVIDED: 6'-6"

IST FLOOR - 10' CLG - 60'-0" LONG WALL 'C' 2ND FLOOR - 9' CLG - 60'-0" LONG WALL 'G' BRACING NEEDED: 17'-0" x 1.0 = 17' MIN. BRACING NEEDED: 17'-0" x 0.95 = 16'-2" MIN. P.F. PROVIDED: 7'-10" x 1.5=11'-9" P.F. PROVIDED: 7'-10" x 1.5=11'-9" W.S.P. PROVIDED: 5'-6" x 1.0=5'-6" W.S.P. PROVIDED: 5'-6" x 1.0=5'-6" TOTAL BRACING PROVIDED: 17'-3" TOTAL BRACING PROVIDED: 17'-3"

IST FLOOR - 10' CLG - 22'-0" LONG WALL 'D' 2ND FLOOR - 9' CLG - 22'-0" LONG WALL 'H' BRACING NEEDED: 6'-6" x 1.0 = 6'-6" MIN. BRACING NEEDED: 6'-6" x 0.95= 6'-1.5" MIN. BRACING PROVIDED: 6'-6" BRACING PROVIDED: 6'-6"

IST FLOOR - 10' CLG - 43'-6" LONG WALL 'I' 2ND FLOOR - 9' CLG - 43'-6" LONG WALL '3' BRACING NEEDED: 11'-6" x 0.95 = 10'-11.1" MIN. BRACING NEEDED: 11'-6" x 1.0 = 11'-6" MIN. BRACING PROVIDED: 11'-6" BRACING PROVIDED: 11'-6"

IST FLOOR - 10' CLG - 37'-0" LONG WALL '2' 2ND FLOOR - 9' CLG - 39'-6" LONG WALL '4' BRACING NEEDED: 11'-6" x 1.0 = 11'-6" MIN. BRACING NEEDED: 11'-6" x 0.95 = 10'-11.1" MIN. P.F. PROVIDED: 8'-4" x 1.5=12'-6" BRACING PROVIDED: 11'-6" TOTAL BRACING PROVIDED: 12'-6"

BRACED WALL PANEL WOOD STRUCTURAL PANEL

(UNLESS OTHERWISE NOTED)

GYPSUM WALL BOARD INSTALLED IN ACCORDANCE WITH IRC CHAPTER 7 (INTERIOR) 16d NAIL AT 12" O.C.-ORIENTATION OF CORNER -STUD MAY VARY 8d NAIL AT 6" O.C. ALL -FRAMING MEMBERS AT PANEL EDGES AND 12" O.C. IMPORTANT CODE ON ALL FRAMING MEMBERS REQUIREMENT: NOT AT PANEL EDGES (TYP.)

ONLY FOR USE ON HOMES

WITH FULLY SHEATHED

EXTERIOR WALLS, PER IRC

PLYWOOD OR OSB

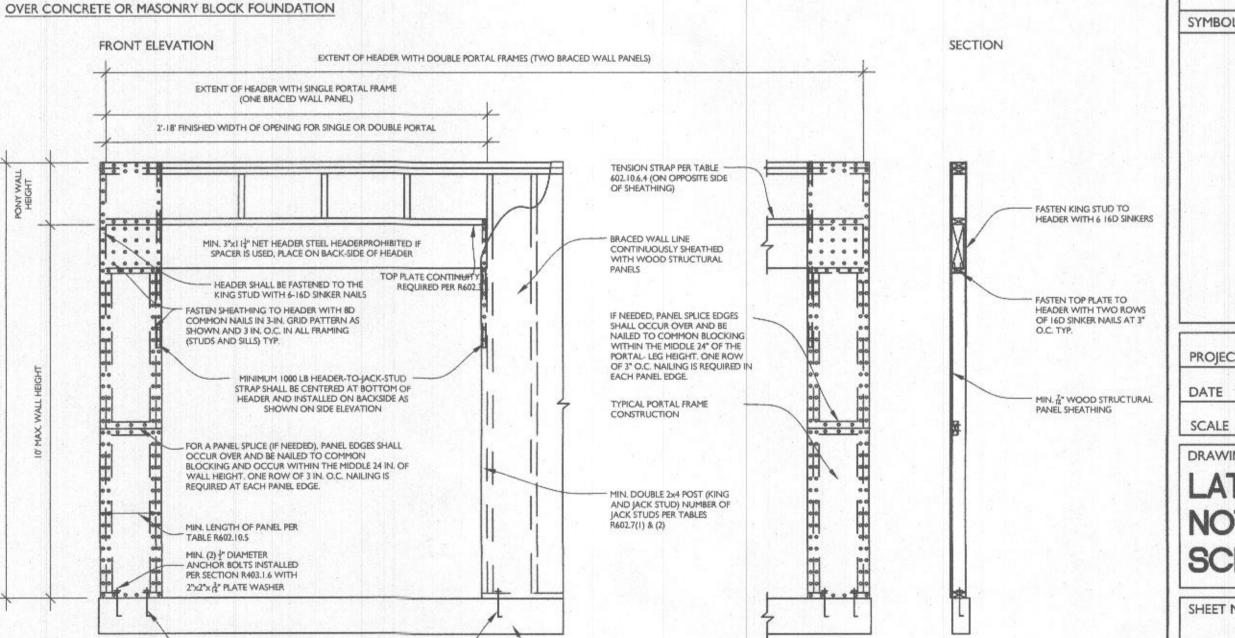
R602.10.5.

OUTSIDE CORNER DETAIL PER IRC R602.10.5

FIGURE R602.10.6.4 METHOD CS-PF -- CONTINUOUSLY SHEATHED PORTAL FRAM PANEL CONSTRUCTION

ANCHOR BOLTS PER **SECTION R403.1.6**

NOT TO SCALE



FOUNDATION PER CODE



LINE TYPE KEY:

NEW WALL

ABOVE LINE

FDN. WALL



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PROJECT PHASE

PERMIT

PROJECT TITLE

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	REVIS	IONS
SYMBOL	DATE	ISSUED FOR

21-613 PROJECT NUMBER 03/24/2022 DATE

AS NOTED

LATERAL BRACING NOTES + SCHEDULES

SHEET NUMBER

A-106

OUTSIDE CORNER DETAIL PER IRC R602.10.5