

Page 2 Footing wall and roof frame

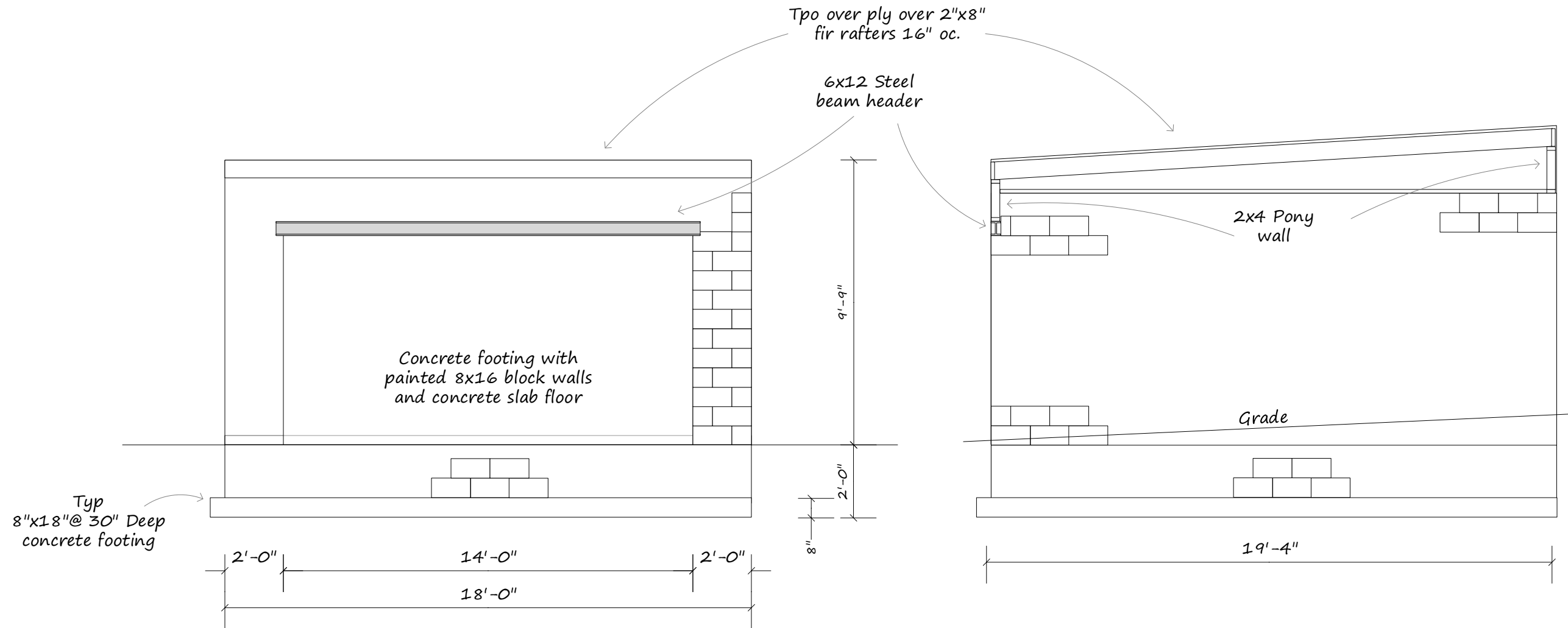
Page 3 Electrical

Page 4 Site pictures

Page 5 Garage door header calc and building permit application page

Page 6 Property plat

Page 7 Sub division plat



Von Buskirk

B1801650

DDOT 205490

Code 2012 IRC

11/10/2017
1/9/2017

445 15th Street SE,
Washington DC 20003

Board of Zoning Adjustment

District of Columbia
CASE NO. 19747

EXHIBIT NO. 12
Scale 1/4"=1'

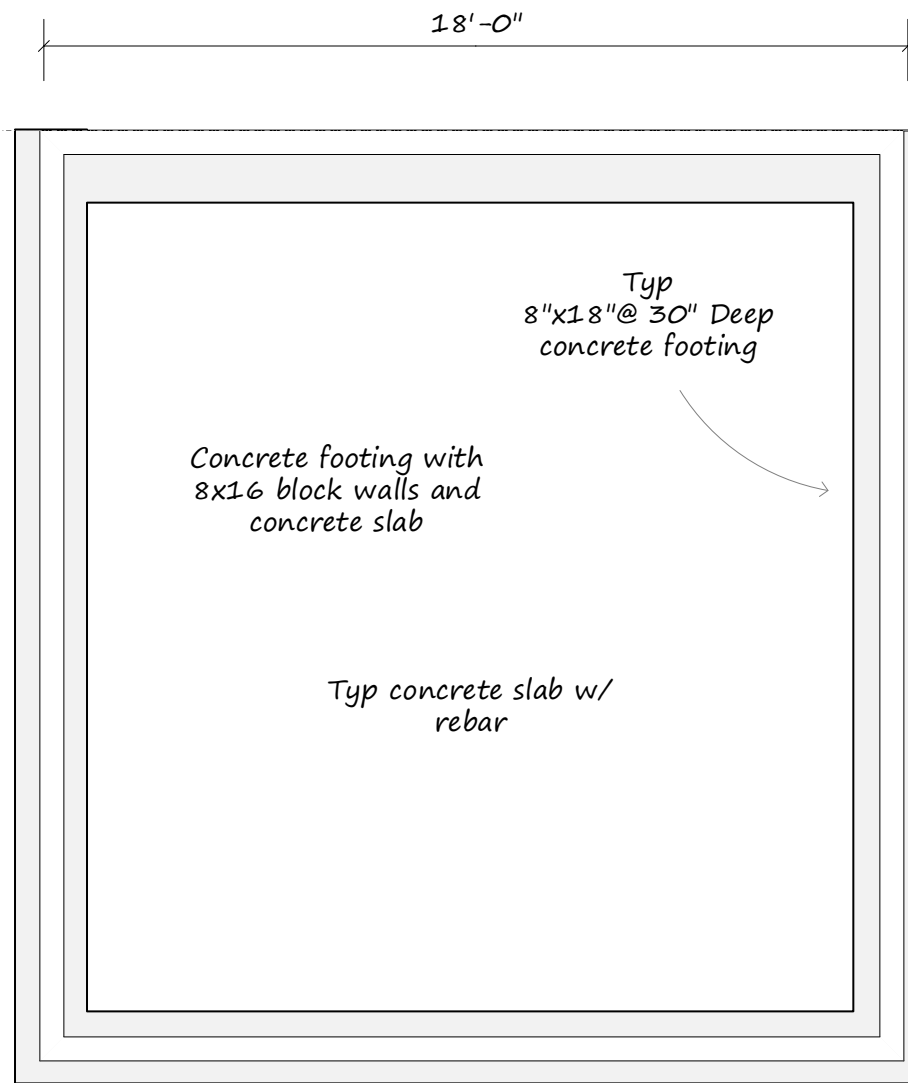
Fix over span rafters by adding sisters

Engineer to certify plans

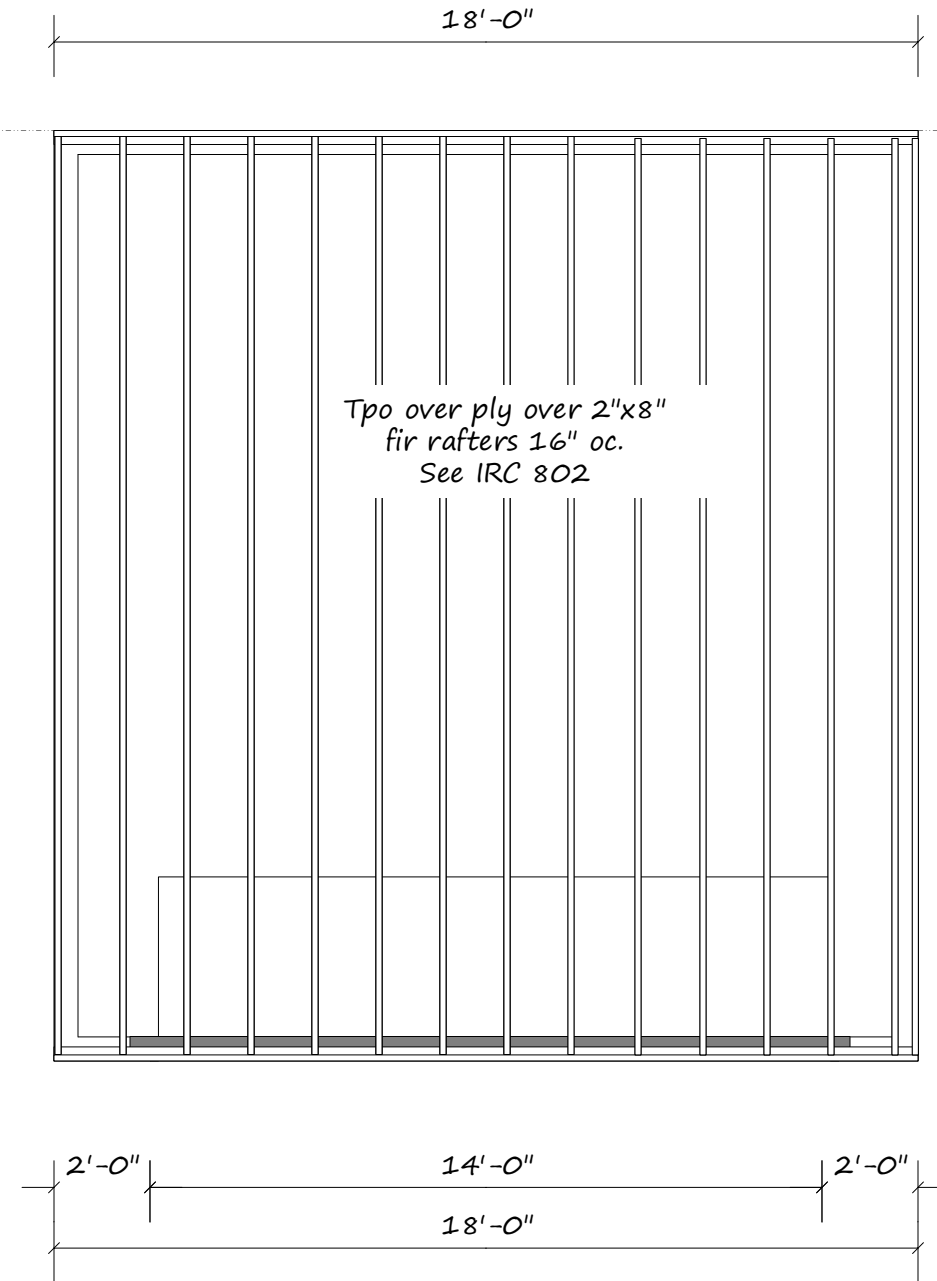
Zoning variance appeal for lot coverage

804 and 803 are tax lots and needs
subdivision for building lot designation ?

Footing slab and wall

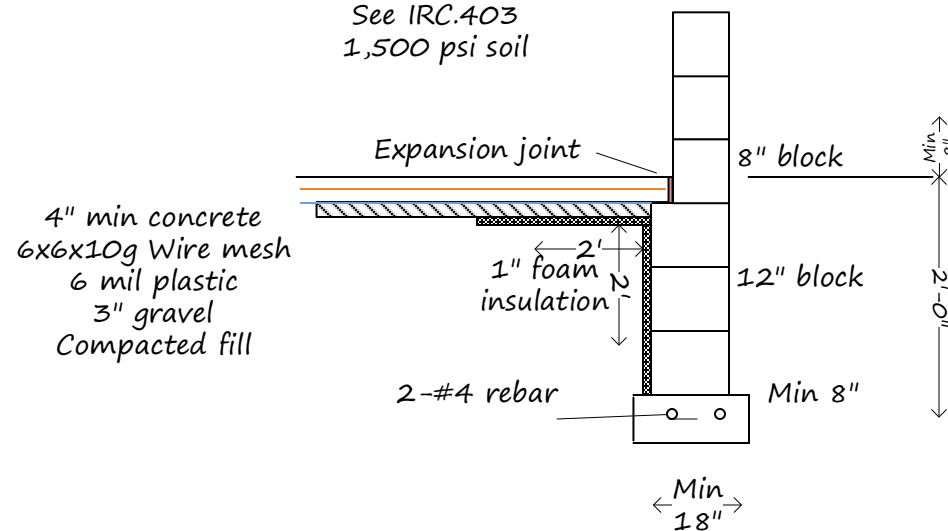


Roof Frame



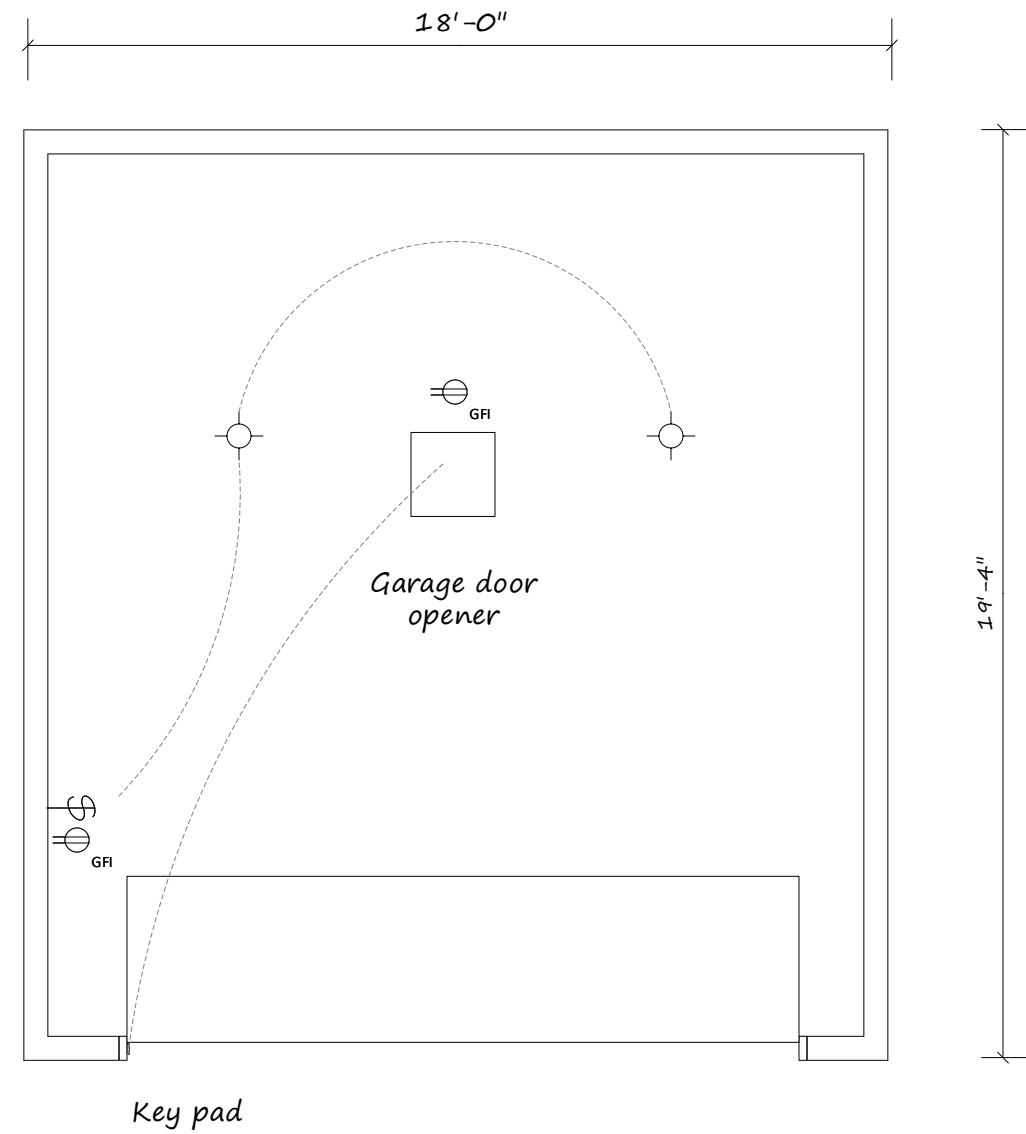
Typ. Slab detail

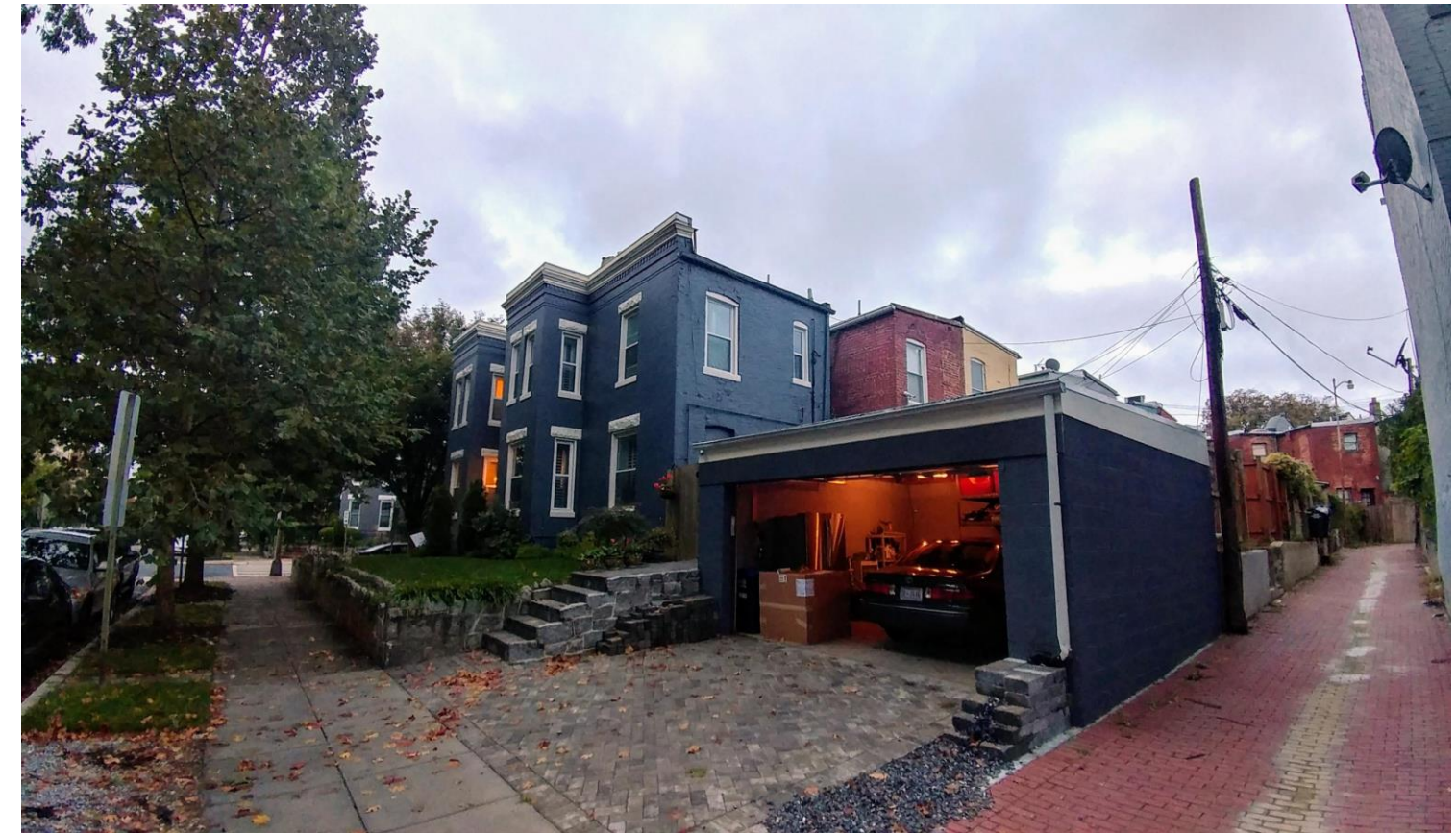
See IRC.403
1,500 psi soil



Rafters over span 14'2" max
Add rafters to side

Footing slab and wall





Project: Von Buskirk garage door header
 Span 14' Tributary 9'6" Live load 30 lbs. sqft. Dead load 10 lbs. sqft.

Selection W 6x 12 36 ksi Wide Flange Steel Lateral Support: Lc = 4.2 ft max.

Conditions Actual Size is 4 x 6 in.
 Min Bearing Length R1= 0.6 in. R2= 0.6 in. (1.0) DL Defl= 0.14 in Recom Camber= 0.22 in

Data Beam Span 14.0 Reaction 1 LL1995 # Reaction 2 LL1995 #
 Beam Wt per ft 12.0 Reaction 1 TL2744 # Reaction 2 TL2744 #
 Bm Wt Included 168 Maximum V 2744 #
 Max Moment 9604 Max V (Reduced) N/A
 TL Max Defl L / 240 LL Max Defl L / 360
 TL Actual Defl L / 318 LL Actual Defl L / 438
 Attributes Section (in³) Shear (in²) TL Defl (in) LL Defl
 Actual 7.31 1.39 0.53 0.38
 Critical 4.85 0.19 0.70 0.47
 Status OK OK OK OK
 Ratio 66% 14% 75% 82%

Fb (psi) Fv (psi) E (psi x mil) Fc (psi)
 Values Ref. Value Fy 36000 36000 29.0
 Adjusted Values 23760 14400 29.0
 Adjustments YP Factor, Lc 0.66
 Cd Duration
 Cr Repetitive
 Ch Shear Stress

Loads Uniform TL: 380 = A Uniform LL: 285



Department of Consumer and Regulatory Affairs

Permit Operations Division
 1100 4th Street SW
 Washington DC 20024

Tel. (202) 442 - 4589 Fax (202) 442 - 4862



Received: Plans Application
 Date: 11/9/2017

Engineering Tyrone Thomas

Applicant/Agent: Deborah M Van Buskirk

Phone

Address of Project:

Job WT

Job No:

445 15TH ST SE

B1801650

Existing Use: Single Family Dwelling - R-3

Existing No. of Stories: 1

Proposed Use: Single Family Dwelling - R-3

Prop no of Stories: 1

Permit Type: Alteration and Repair

SSL: 1062 0803

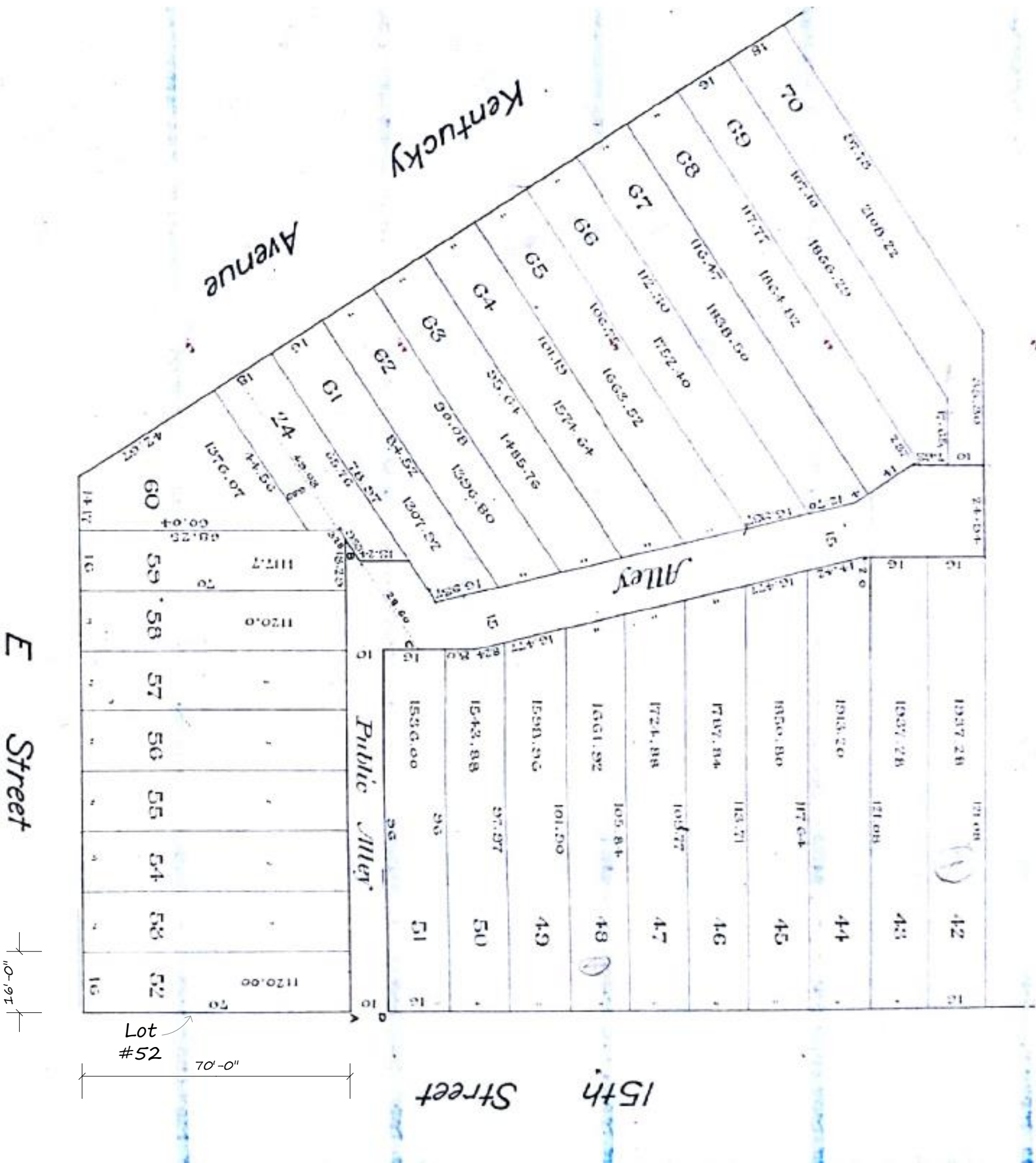
Description of Work:

Retro permit needed for existing garage built by previous owner w/o permit. Permit needed for curb cut approval for existing driveway

Required Reviews: (Checked boxes only)	Reviewer:	Completion Time:	Review Status:		
<input type="checkbox"/> Fine Arts		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input type="checkbox"/> Historic		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input type="checkbox"/> Public Space/DDOT		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input checked="" type="checkbox"/> Zoning		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input type="checkbox"/> Soil Erosion/Stormwater DOEE		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input type="checkbox"/> Soil Boring/UST DOEE		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input type="checkbox"/> DC Water		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input type="checkbox"/> Mechanical		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input type="checkbox"/> Plumbing		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input type="checkbox"/> Health/DOH		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input type="checkbox"/> Electrical		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input type="checkbox"/> Elevator		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input type="checkbox"/> Energy Review		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input type="checkbox"/> DC Fire Dept. / Fire Prevention		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input type="checkbox"/> Fire Protection		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input checked="" type="checkbox"/> Structural		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input type="checkbox"/> Green Review		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant
<input type="checkbox"/> Chinatown Review		<input type="checkbox"/> AM <input type="checkbox"/> PM	<input type="checkbox"/> Approved	<input type="checkbox"/> HFC	<input type="checkbox"/> Conf. w/Applicant

New/ Addl Cost	Alt/Rpr Cost	Total Cost	Volume of New Bldg, or Addl Cubic ft.
\$0.00	\$1.00	\$0.00	288

Alter/Repair FEE	New Const. FEE	Filing FEE	Enhancement FEE	Green FEE:	Total Permit FEE



(of subdivision by East Washington Investment Co, recorded in Book 16, Page 175) Washington D.C. 9.35 A.M. May 21st, 1901
 I hereby subdivide lots 15 to 41, both inclusive, and alley closed, except lot 24, the whole into lots 42 to 70, both inclusive, and public alley, as shown above.

Witness: _____
 (signed) Thomas E. Bond
 (signed) A. M. Gorman

(signed) John Hubner, Pres.
 Central Real Estate and Trust Co. of Md.
 formerly The Old Line Real Estate and Trust Co.
 Central Real Estate and Trust Company of Md.

I certify that the foregoing plat is correct and agrees with the records of this office.
 Witness my hand and seal this 21st day of May, 1901.

Henry A. Lister
 Surveyor, District of Columbia.

