



# Plan Examination Building Department

(check or fill in all that apply)

Please submit 3 sets of Site Plans and Construction Drawings with Application

Property Address: \_\_\_\_\_

Sublot Number (new construction): \_\_\_\_\_ Zoning District: \_\_\_\_\_

Lot Size: \_\_\_\_\_ x \_\_\_\_\_ Total Land Area (in square feet): \_\_\_\_\_

Type of Improvement

- ☐ New Building
- ☐ Addition
- ☐ Alteration
- ☐ Repair/Replacement
- ☐ Wrecking/Demolition
- ☐ Moving/Relocation
- ☐ Foundation Only

Principal Type of Frame

- ☐ Any Material (type 5)
- ☐ Heavy Timber (type 4)
- ☐ Masonry/Steel (type 3)
- ☐ Noncombustible (type 2)
- ☐ Noncombustible (type 1)

Principal Type of Heating Fuel

- ☐ Gas
- ☐ Oil
- ☐ Electricity
- ☐ Other (specify): \_\_\_\_\_

Proposed Use (residential)

- ☐ 1, 2, 3 - Family (R-4)
- ☐ Multi-Single (R-3)
- ☐ Multi-Family (R-2)
- ☐ Number of Units: \_\_\_\_\_
- ☐ Transient- Motel/Dormitory (R-1)
- ☐ Number of Units: \_\_\_\_\_
- ☐ Garage (U)
- ☐ Shed (U)
- ☐ Deck (U)
- ☐ Retaining Wall (U)
- ☐ Fence (U)

Proposed Use (non-residential)

- ☐ Assembly (A 1-5)
- ☐ Business/Office/Bank (B)
- ☐ Education/Daycare (E)
- ☐ Factory/Industrial (F 1&2)
- ☐ High Hazard (H 1-5)
- ☐ Institutional/Childcare (I 1-4)
- ☐ Mercantile/Retail Store (M)
- ☐ Storage (S 1&2)
- ☐ Retaining Wall/Fence (U)
- ☐ Towners/Tanks/Misc. (U)

Describe the Proposed Work

(for nonresidential, describe proposed use of building/unit)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Cost or Value of Improvement

(including value of labor and materials, even if 'free of cost'): \$ \_\_\_\_\_



## Plan Examination Building Department

### \*Complete this Section for New Buildings and Additions\*

<u>Type of Sewage</u>	<u>Type of Water Supply</u>	<u>Type of Mechanical</u>
<input type="checkbox"/> Public	<input type="checkbox"/> Public	Will there be central conditioning? <input type="checkbox"/> Yes
<input type="checkbox"/> Private (septic)	<input type="checkbox"/> Private (well/etc.)	<input type="checkbox"/> No
 <u>Dimensions</u>	 <u>Number of Off-Street Parking Spaces:</u>	Will there be an elevator? <input type="checkbox"/> Yes
Number of Stories: _____	Enclosed: _____	<input type="checkbox"/> No
Total square feet of floor area (based on exterior dimensions): _____	Outdoor: _____	 <u>Residential Home</u>
		Baths: _____
		Number of Bedrooms: _____

#### Associated Information

Homeowner Name: \_\_\_\_\_ Homeowner Phone Number: \_\_\_\_\_

Homeowner Mailing Address: \_\_\_\_\_

Contractor Name: \_\_\_\_\_ Contractor Phone Number: \_\_\_\_\_

Contractor Mailing Address: \_\_\_\_\_

Designer of Plans Name: \_\_\_\_\_ Designer Phone Number: \_\_\_\_\_

Designer Mailing Address: \_\_\_\_\_

- ☐ I am a **contractor** with a valid Certificate of Registration issued by the City of Maple Heights, OH.
- ☐ I am a **homeowner**, as defined below, and am thereby exempt from the registration requirements.

*Definition of Homeowner: For the purposes of exemption from contractor registration only, a homeowner is defined as person(s) who owns or leases a parcel of land on which he/she resides or intends to reside, on which there is or intended to be a dwelling of three or less units, attached or detached structures accessory to such use. A person who constructs more than one home in a two-year period in the State of Ohio shall not be considered a homeowner.*

#### Applicant Information & Signature

I hereby certify that the proposed work is authorized by the owner of record and that I am authorized by the owner to make this application as his/her authorized agent and to conform to all City ordinances as well as applicable State and federal laws that may be in effect at the time the permit is issued, even though they may change between this date and the time a permit is granted.

Applicant Name: \_\_\_\_\_ Applicant Phone Number: \_\_\_\_\_

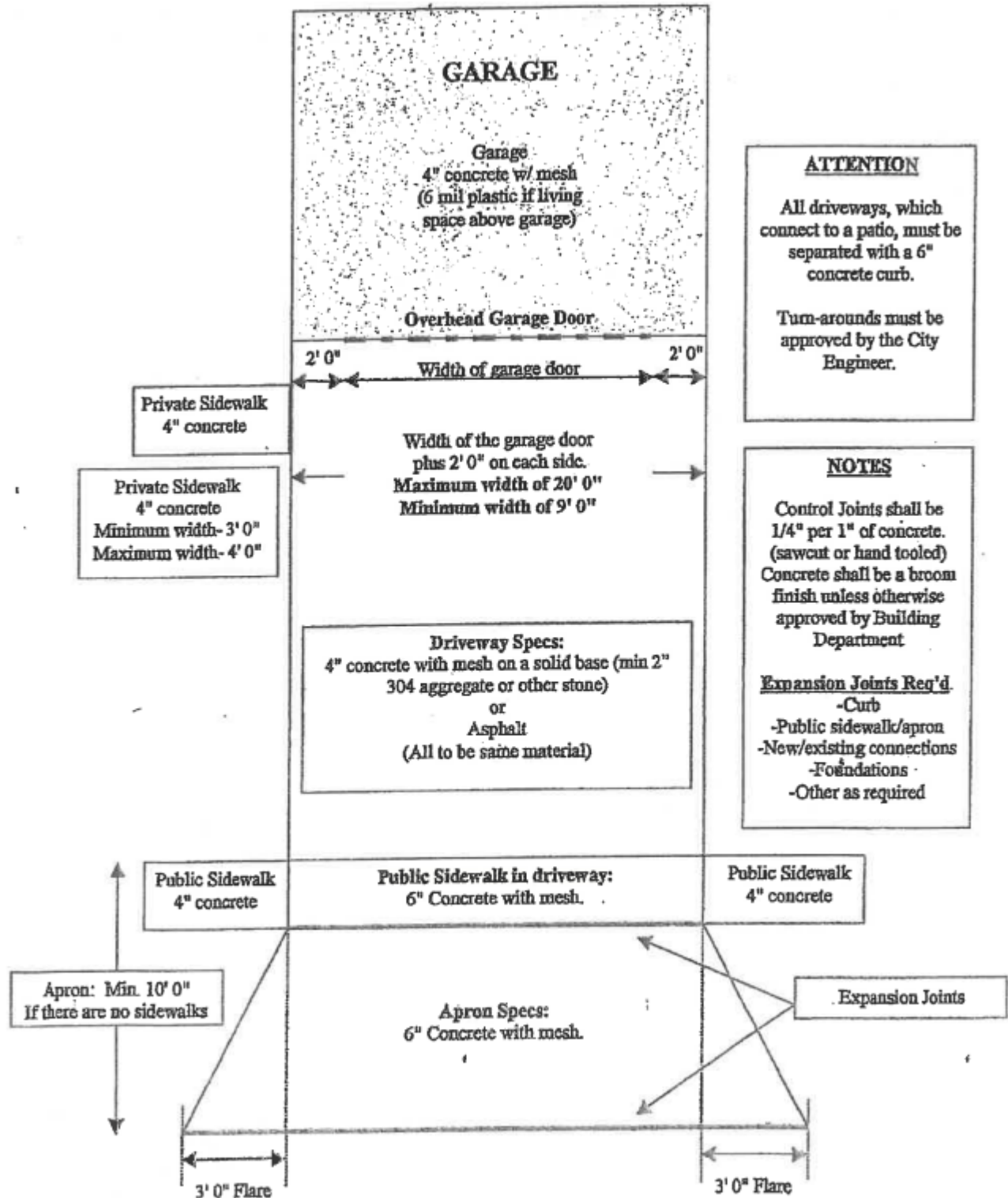
Applicant Mailing Address: \_\_\_\_\_

Applicant Signature: \_\_\_\_\_ Date: \_\_\_\_\_



# GARAGE PERMIT APPLICATION

## Building Department





# GARAGE PERMIT APPLICATION

## Building Department

### REPLACEMENT OF MONOLITHIC CONCRETE SLABS-ON-GRADE FOR ACCESSORY BUILDING

Accessory Building with areas of 200 sq. ft. or less & not more than one story in height:

- Slabs-on-ground may be removed and replaced without disruption to the walls of the building

Accessory Buildings OTHER THAN LIGHT FRAMED CONSTRUCTION with areas more than 200 sq. ft. up to 400 sq. ft. with an eave height no more than 10 ft.

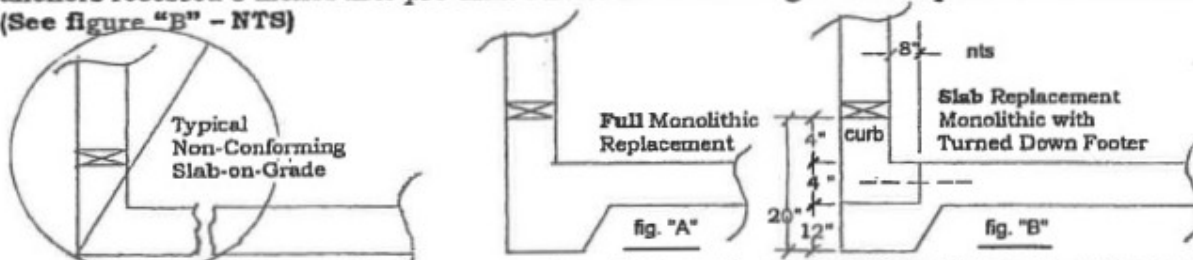
And those Accessory Buildings of LIGHT FRAMED CONSTRUCTION with areas more than 200 sq. ft. up to 600 sq. ft. with an eave height no more than 10 ft. Footings turned down to a depth of 12 inches below grad are required to support the entire structure of the building.

- When the entire slab is removed preparation of the sub base must consist of 4 inches of tightly compacted clean fill. Forms must be of 2 x 4 & 2 x 6 ridged materials set in place with ridged support in preparation for placement of concrete monolithically incorporating footing, slab & curbing. This procedure will require the entire structure to be lifted off of the existing slab. (See figure "A" - NTS)

#### ALTERNATIVE METHOD:

If the existing curbing is intact without stress cracks the existing slab may be saw cut 8 inches away from the curbing, (dowelling or hook bolting the joint between existing and new concrete is optional). If you choose to dowel follow this prescribed method (#4 re-bar 12" in length or hook bolts with expandable anchors recessed 6 inches into pre-drilled holes in the existing concrete spaced 24 - 36 inches o.c.

(See figure "B" - NTS)

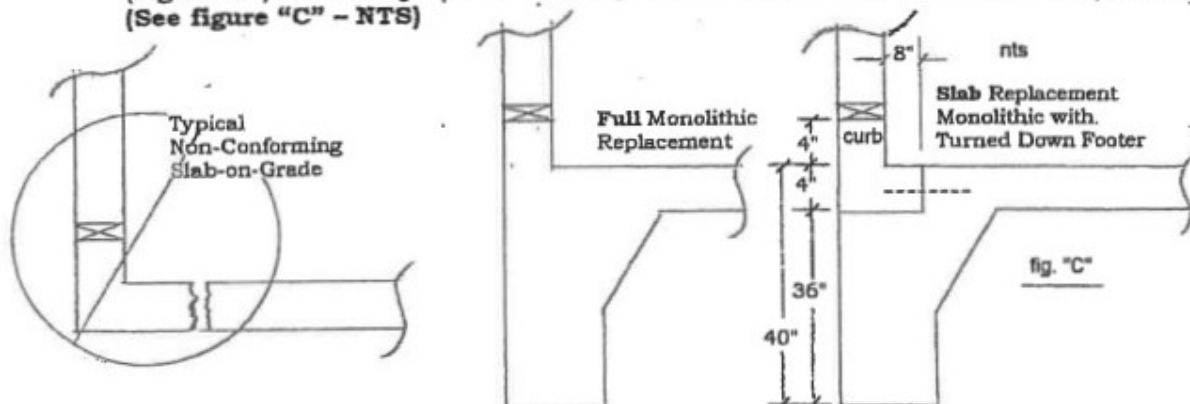


For Accessory Buildings with areas more than 200 sq. ft. & more than 600 sq. ft. with an eave height higher than 10 ft.

- Footers are required to extend a minimum of 36 inches below grade in order to support the entire load of the structure. This procedure will require the entire structure to be lifted off of the existing slab.

#### ALTERNATIVE METHOD:

- Follow the same procedure as described in the above ALTERNATIVE METHOD shown in (Figure "B") with exception of footer depth from 12 inches to 36 inches below grade (See figure "C" - NTS)





# GARAGE PERMIT APPLICATION

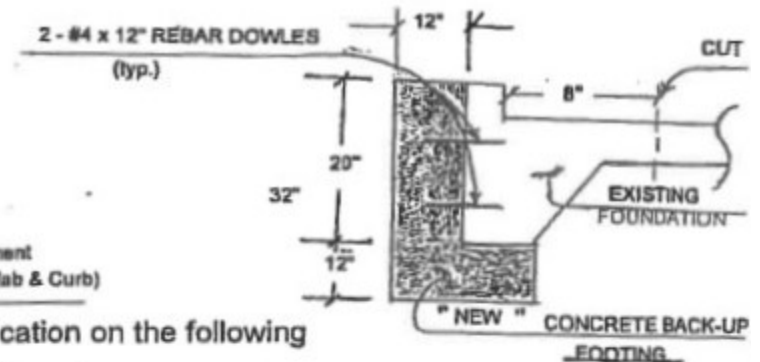
## Building Department

### NOTE:

This repair is only applicable when the cracks through the curbing are "hair line" with a minimum separation of 1/4" and the top of curb elevation has not changed.

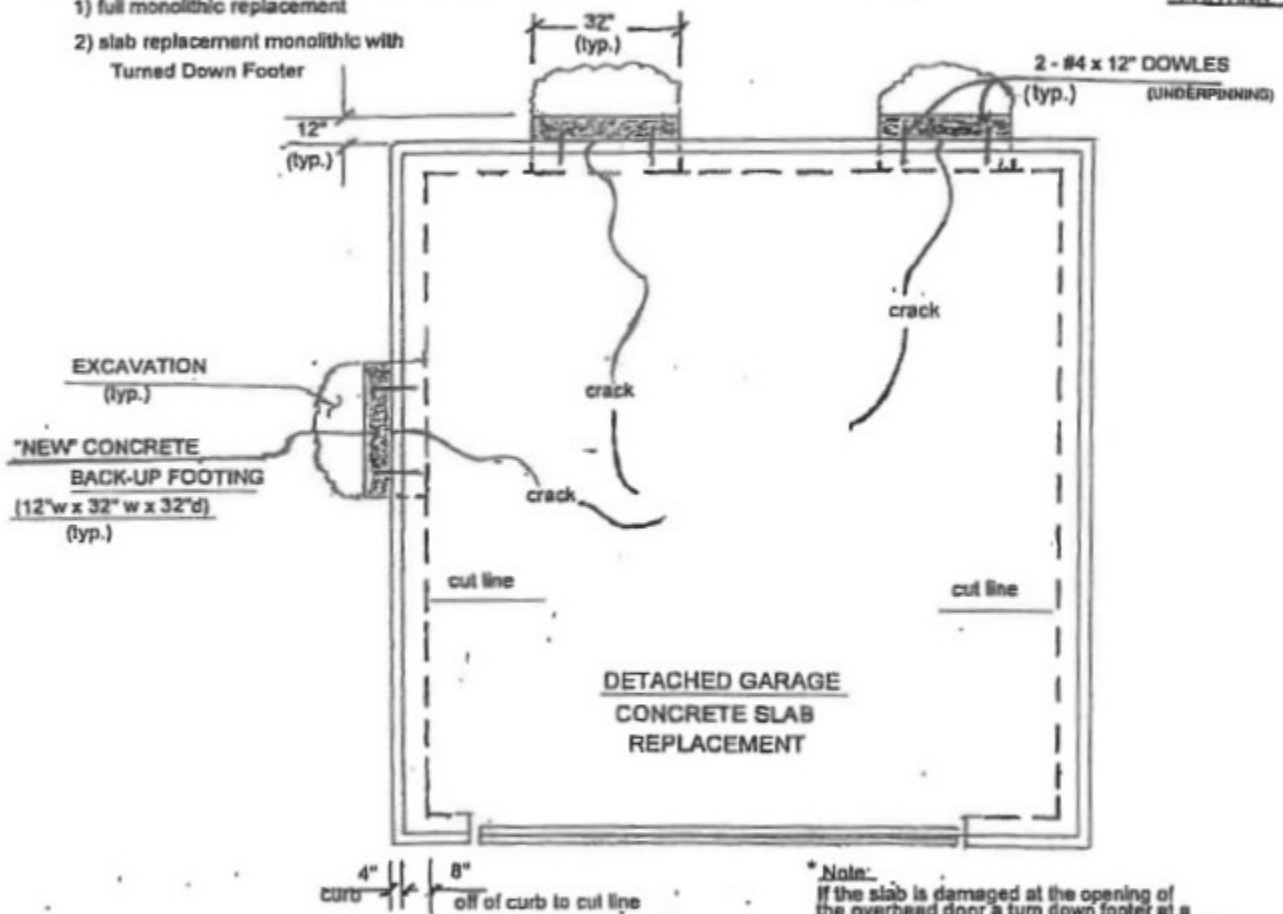
If the cracks through the curbing have a separation greater than 1/4" or the top of the curb elevation is different from one side of the crack to the other THIS APPLICATION IS NOT PERMITTED.

Garages with slab-on-grade (no foundation or turned down footer) the garage may have to be lifted in order to install a monolithic placement of concrete incorporating (Turn Down Footer (aka Rat Wall Footer), Slab & Curb)



Reference the attached sheet for specification on the following

- 1) full monolithic replacement
- 2) slab replacement monolithic with Turned Down Footer



\* Note:  
If the slab is damaged at the opening of the overhead door a turn down footer at a minimum of 12 inches below grade is required.

**ACCESSORY BUILDING CONCRETE SLAB REPLACEMENT WITH  
REPAIRS ONLY FOR MINIMUM CRACKS THROUGH  
THE EXISTING CURB & FOUNDATION**



# GARAGE PERMIT APPLICATION

## Building Department

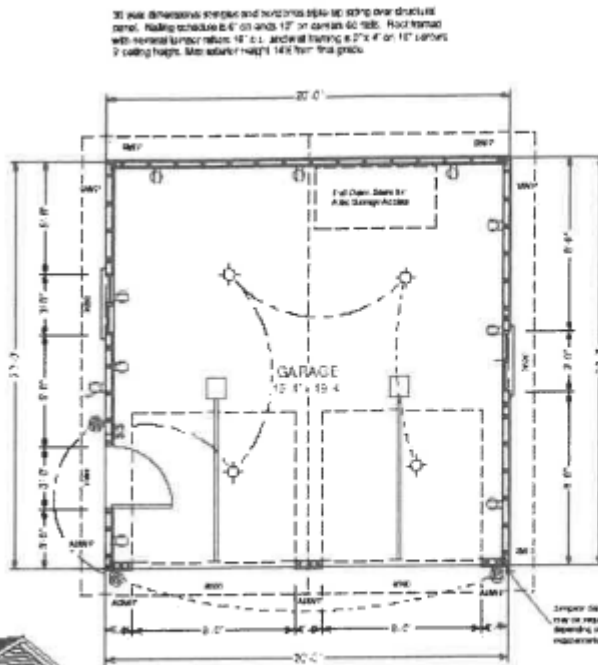


BUILDING CONTRACTOR/OWNER  
TO REVIEW AND VERIFY ALL DIMENSIONS,  
SPECS. AND CONNECTIONS BEFORE  
CONSTRUCTION BEGINS. GARAGE TO BE  
BUILT AS PER IFC, UBC OR CURRENT LOCAL CODE.

To the best of my knowledge, these plans are drawn to comply with the  
and on building specifications and any changes made on them after prints are  
made will be done at the owner's and/or builder's expense and responsibility.  
The contractor shall verify all dimensions and construct accordingly. SDS-CAD is  
not liable for any construction not shown. While every effort has been  
made in the preparation of these plans to avoid mistakes, the maker can not  
guarantee against human error. The contractor of this job shall check all  
dimensions and other details prior to construction and be solely responsible  
thereafter. All calculations and number of this should be verified for your  
building by a qualified building official.

#G435 Garage 20 X 20 X 9  
By SDS-CAD Specialized Design Systems

Page 1	Title Main Floor Plan
Page 2	Elevation Views
Page 3	Foundation Plan & Details
Page 4	Framing and Details
Page 5	Detail Page 1
Page 6	Materials List



GARAGE MAIN FLOOR PLAN



Side Wall



Front Wall

Cross Section

WALL FRAMING SECTIONS SCALE: 1/8"=1'-0"

### General Framing: (Douglas Fir)

1. Minimum header sizes shall be according to the following table unless otherwise noted. Header span (single story construction)  
2'-0" to 4'-0" Span: 2-2x6s  
4'-0" to 6'-0" Span: 2-2x6s  
6'-0" to 8'-0" Span: 2-2x6s  
8'-0" to 10'-0" Span: 2-2x10s  
10'-0" to 12'-0" Span: 2-2x12s or as noted on plan
2. Space all exterior walls and interior stud partitions at each end of building and at least every 25' of length by one of the following:  
a. Simpson W16 12K wall bracing with 3-1x6 nails at each end and 1-1x6 nailing at each stud.  
b. Plywood sheathing of a minimum thickness of 7/16 inch (see sheathing).
3. a. Fasten stud spaces over 10' in height, turned upside, soffit, drop ceilings, wire ceilings, steel shingles at top and bottom of stud, framing walls and ceiling (see detail, etc).  
b. Fasten openings around windows, doors, ducts, chimneys, and trusses at ceiling and floor levels with approved noncombustible materials.
4. CO2 sensors to be not approved where exposed to the exterior, i.e. roof overhangs.
5. Exterior wall framing to be 2x4" studs at 16" o.c. minimum wall framing at non-bearing walls to be 2x4" studs at 24" o.c. and at bearing walls 2x4" studs at 16" o.c. with double top plates.
6. Studs to be 2x10" 5x10" 5x12" 5x14" 5x16" 5x18" 5x20" 5x22" 5x24" 5x26" 5x28" 5x30" 5x32" 5x34" 5x36" 5x38" 5x40" 5x42" 5x44" 5x46" 5x48" 5x50" 5x52" 5x54" 5x56" 5x58" 5x60" 5x62" 5x64" 5x66" 5x68" 5x70" 5x72" 5x74" 5x76" 5x78" 5x80" 5x82" 5x84" 5x86" 5x88" 5x90" 5x92" 5x94" 5x96" 5x98" 5x100" 5x102" 5x104" 5x106" 5x108" 5x110" 5x112" 5x114" 5x116" 5x118" 5x120" 5x122" 5x124" 5x126" 5x128" 5x130" 5x132" 5x134" 5x136" 5x138" 5x140" 5x142" 5x144" 5x146" 5x148" 5x150" 5x152" 5x154" 5x156" 5x158" 5x160" 5x162" 5x164" 5x166" 5x168" 5x170" 5x172" 5x174" 5x176" 5x178" 5x180" 5x182" 5x184" 5x186" 5x188" 5x190" 5x192" 5x194" 5x196" 5x198" 5x200" 5x202" 5x204" 5x206" 5x208" 5x210" 5x212" 5x214" 5x216" 5x218" 5x220" 5x222" 5x224" 5x226" 5x228" 5x230" 5x232" 5x234" 5x236" 5x238" 5x240" 5x242" 5x244" 5x246" 5x248" 5x250" 5x252" 5x254" 5x256" 5x258" 5x260" 5x262" 5x264" 5x266" 5x268" 5x270" 5x272" 5x274" 5x276" 5x278" 5x280" 5x282" 5x284" 5x286" 5x288" 5x290" 5x292" 5x294" 5x296" 5x298" 5x300" 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5x2140" 5x2142" 5x2144" 5x2146" 5x2148" 5x2150" 5x2152" 5x2154" 5x2156" 5x2158" 5x2160" 5x2162" 5x2164" 5x2166" 5x2168" 5x2170" 5x2172" 5x2174" 5x2176" 5x2178" 5x2180" 5x2182" 5x2184" 5x2186" 5x2188" 5x2190" 5x2192" 5x2194" 5x2196" 5x2198" 5x2200" 5x2202" 5x2204" 5x2206" 5x2208" 5x2210" 5x2212" 5x2214" 5x2216" 5x2218" 5x2220" 5x2222" 5x2224" 5x2226" 5x2228" 5x2230" 5x2232" 5x2234" 5x2236" 5x2238" 5x2240" 5x2242" 5x2244" 5x2246" 5x2248" 5x2250" 5x2252" 5x2254" 5x2256" 5x2258" 5x2260" 5x2262" 5x2264" 5x2266" 5x2268" 5x2270" 5x2272" 5x2274" 5x2276" 5x2278" 5x2280" 5x2282" 5x2284" 5x2286" 5x2288" 5x2290" 5x2292" 5x2294" 5x2296" 5x2298" 5x2300" 5x2302" 5x2304" 5x2306" 5x2308" 5x2310" 5x2312" 5x2314" 5x2316" 5x2318" 5x2320" 5x2322" 5x2324" 5x2326" 5x2328" 5x2330" 5x2332" 5x2334" 5x2336" 5x2338" 5x2340" 5x2342" 5x2344" 5x2346" 5x2348" 5x2350" 5x2352" 5x2354" 5x2356" 5x2358" 5x2360" 5x2362" 5x2364" 5x2366" 5x2368" 5x2370" 5x2372" 5x2374" 5x2376" 5x2378" 5x2380" 5x2382" 5x2384" 5x2386" 5x2388" 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# GARAGE PERMIT APPLICATION

## Building Department

	ITEM	CALC	SIZE	LENGTH	O.C.	QTY	
1	MAIN EXT STUDS		2X4	116.5(Varies)	16	52	EA
2	MAIN TREATED SILL					69	LF
3	MAIN EXT PLATES		2X4			216	LF
4	HEADER, (Ext Main Garage Door)	B01	4X12	20		1	EA
5	HEADER, (Ext Main Door)		4X8	4		1	EA
6	HEADER, (Main Window)		4X8	5		1	EA
7	MAIN EXT WALL S.R. (Optional)		1/2" GYP.			621	SF
8	MAIN CEILING S.R. (Optional)		1/2" GYP.			480	SF
9	WALL SHEATH		1/2" CDX			704	SF
10	WALL VAPOR		15# Felt			704	SF
11	SIDING (See Plan)					704	SF
12	CONCRETE (Footing)		12" X 20"			5.43	CY
13	CONCRETE (Stem)		6" X 6"			0.81	CY
14	CONCRETE (Floor)		4"			5.87	CY
15	TRUSSES			20 + OH	24	11	EA
16	TRUSSES (Ends)			20 + OH		2	EA
17	ROOF SHEATH		1/2"			596	SF
18	ROOF FELT		30# Felt			596	SF
19	ROOFING		Composition			596	SF
20	EAVE BLOCKING		2X	22.5	24	24	EA
21	H2.5 RAFTER TIE				24	26	EA
22	BARGE RAFTERS		2X6	13		4	EA
23	ANCHOR BOLTS		5/8"		48	18	EA
24	HD8A W/ SSTB28					4	EA



# GARAGE PERMIT APPLICATION

## Building Department

