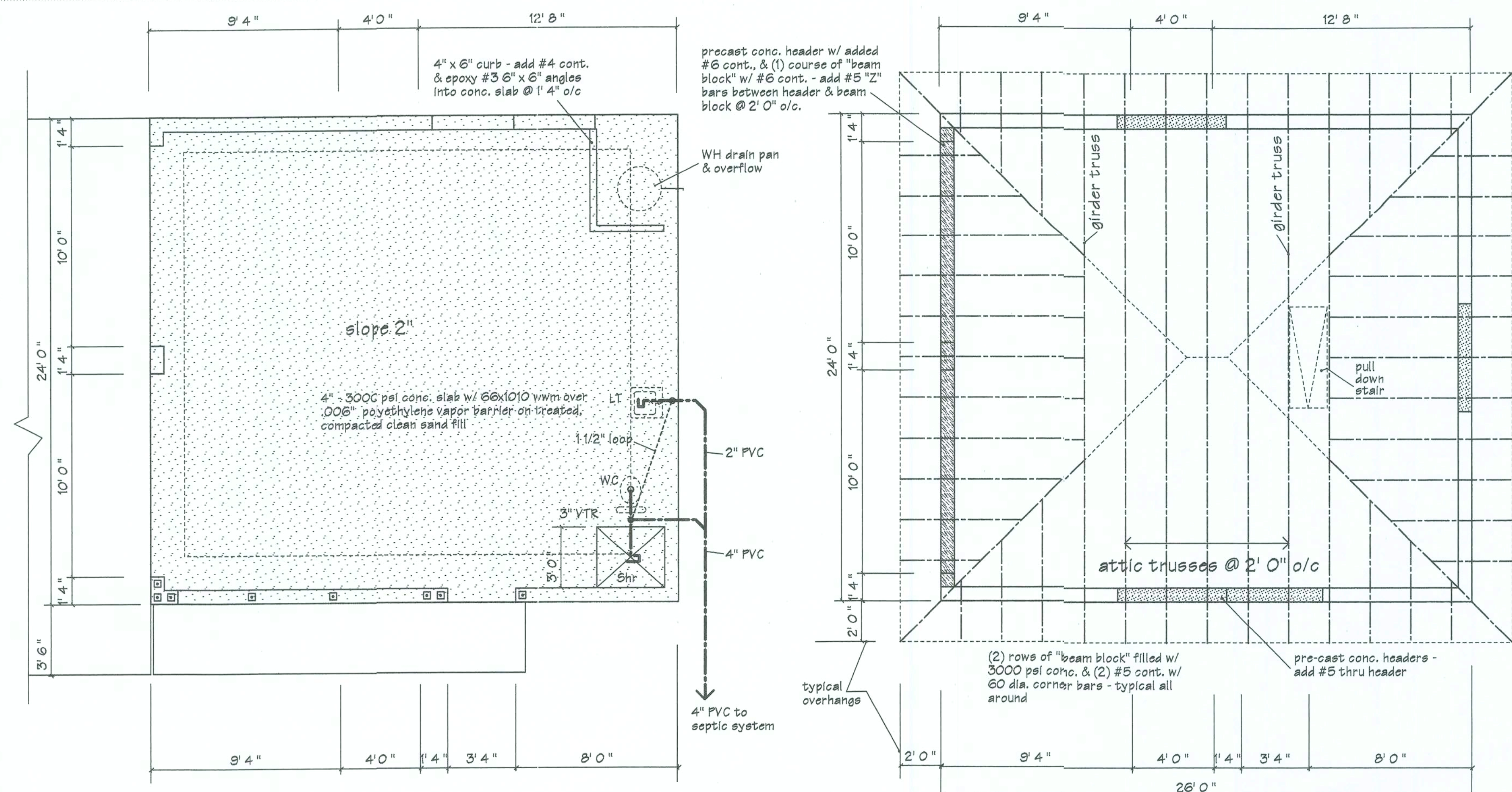




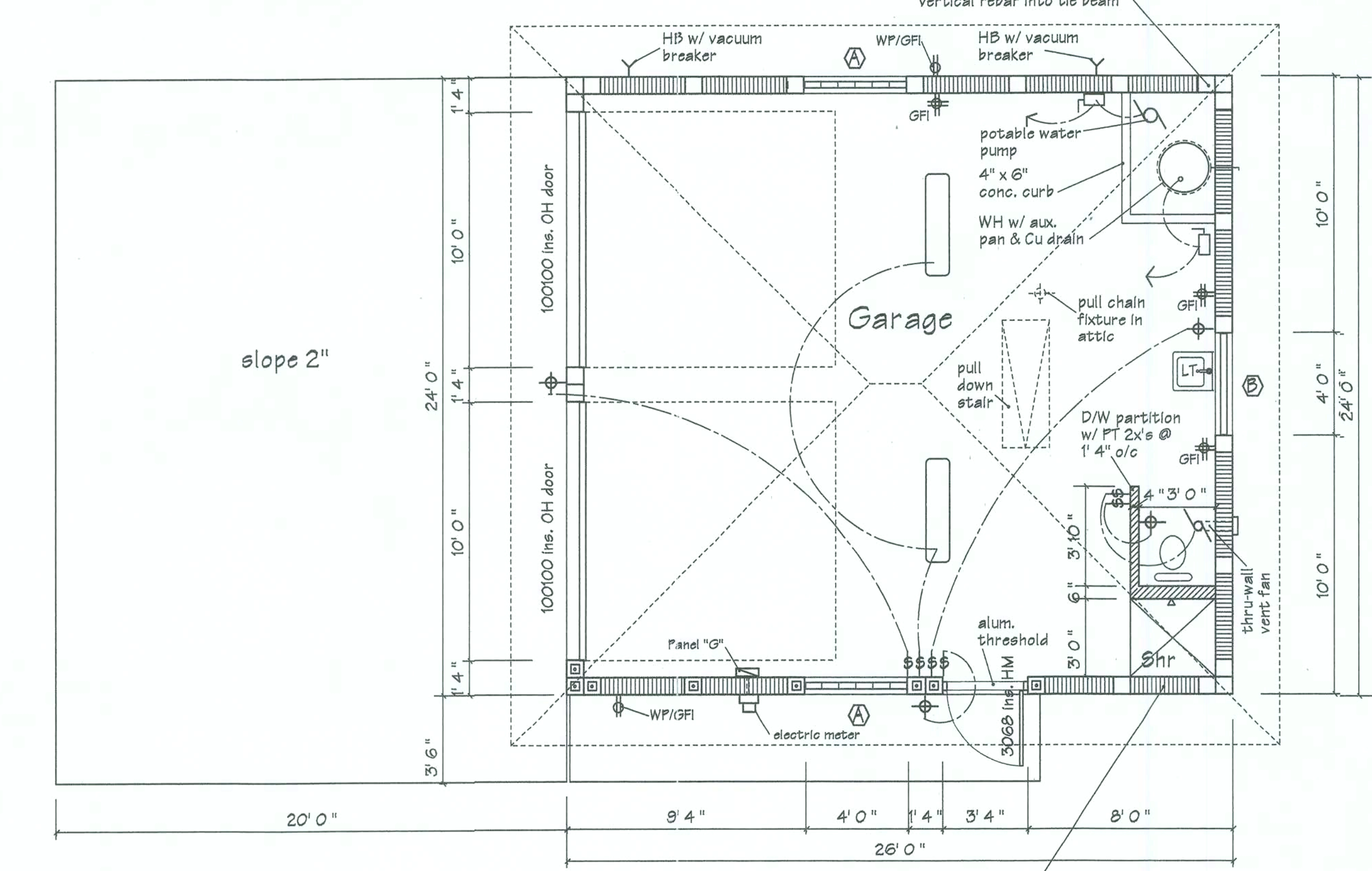




Foundation Plan Scale - 1/4" = 1' 0"

Foundation to be 3000 psi conc. - min. 1' 6" thick x 1' 8" wide w/ (3) #4's cont & 4B dia. corner bars

Roof Framing Plan



Floor Plan Scale - 1/4" = 1' 0"

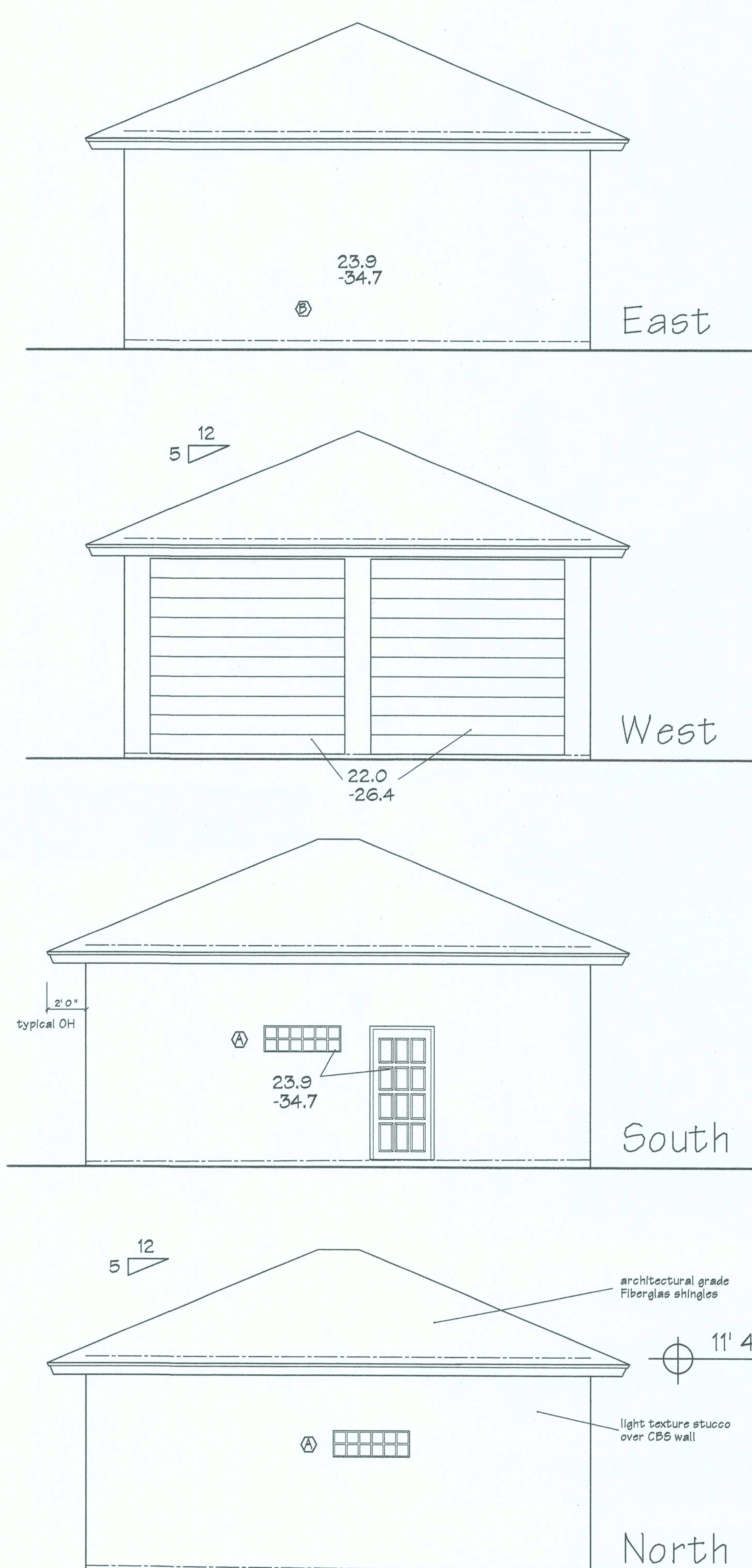
1' 3 5/8" x 7 5/8" x 7 5/8" conc. block in half-running bond w/ 3 gage "Dur-o-Wall" ladder ties @ each second course - extend min 6" into poured conc. columns

Electrical Symbol Legend

|          |                                       |
|----------|---------------------------------------|
| [Symbol] | electric meter                        |
| [Symbol] | electrical Panel                      |
| [Symbol] | fan/motor                             |
| [Symbol] | disconnect                            |
| [Symbol] | Light Fixture                         |
| [Symbol] | duplex outlets at 20" AFF             |
| [Symbol] | quad outlets at 42" AFF               |
| [Symbol] | Light switch                          |
| [Symbol] | enclosed two tube fluorescent fixture |

- Project Address - Nash Road, Columbia Co., FL
- Florida Building Code 2004 edition as amended
- 110 mph - 3-second burst - Exposure "B"
- Occupancy - Private Garage
- Type of Construction - Vb
- Area of Garage 624 SF
- Building Designed as - enclosed
- ASCE Category 2 (Private Residence)
- Exposure "B"
- Importance Factor 1.0
- Mean building height = 17'
- Overhang = 2' 0" Roof Pitch 5/12
- Internal Pressure Coefficient = 1.18
- Components & Cladding - 22.0 (-) 23.4 psf

Code Compliance



Florida Building Code - 120 mph wind zone - Exposure "B"

These drawings are instruments of service for the project for which they are prepared by the architect. They shall not be used for any other project without the written agreement of the architect. Copyright © 2007 John M. Foster Architect. All rights reserved.

| Date    | By  | Description              |
|---------|-----|--------------------------|
| 8/27/07 | JMF | Issued for Permit Review |

Revisions

John M. Foster - Architect  
Member - American Institute of Architects  
11205 Ridge Avenue Ft. Pierce, Florida 34982  
(772) 372-5700 Fax (772) 372-5464 jmf@architectm.com

Garage for:  
**Mr. & Mrs. Frank Pagano**  
Nash Road, Columbia County, Florida

Sheet  
**G-1**  
of Two



## Roof Structure Notes

### Pre-Engineered Wood Trusses

Pre-engineered wood trusses shall be designed and certified by a Florida licensed structural engineer per FBC 2004 requirements for 120 mph 3-second gust, Exposure "B" wind-zone.

Installation shall be per Manufacturer's requirements and signed and impression sealed wood truss shop drawings. Lifting, placement, temporary and final bracing and internal connections shall be per shop drawings.

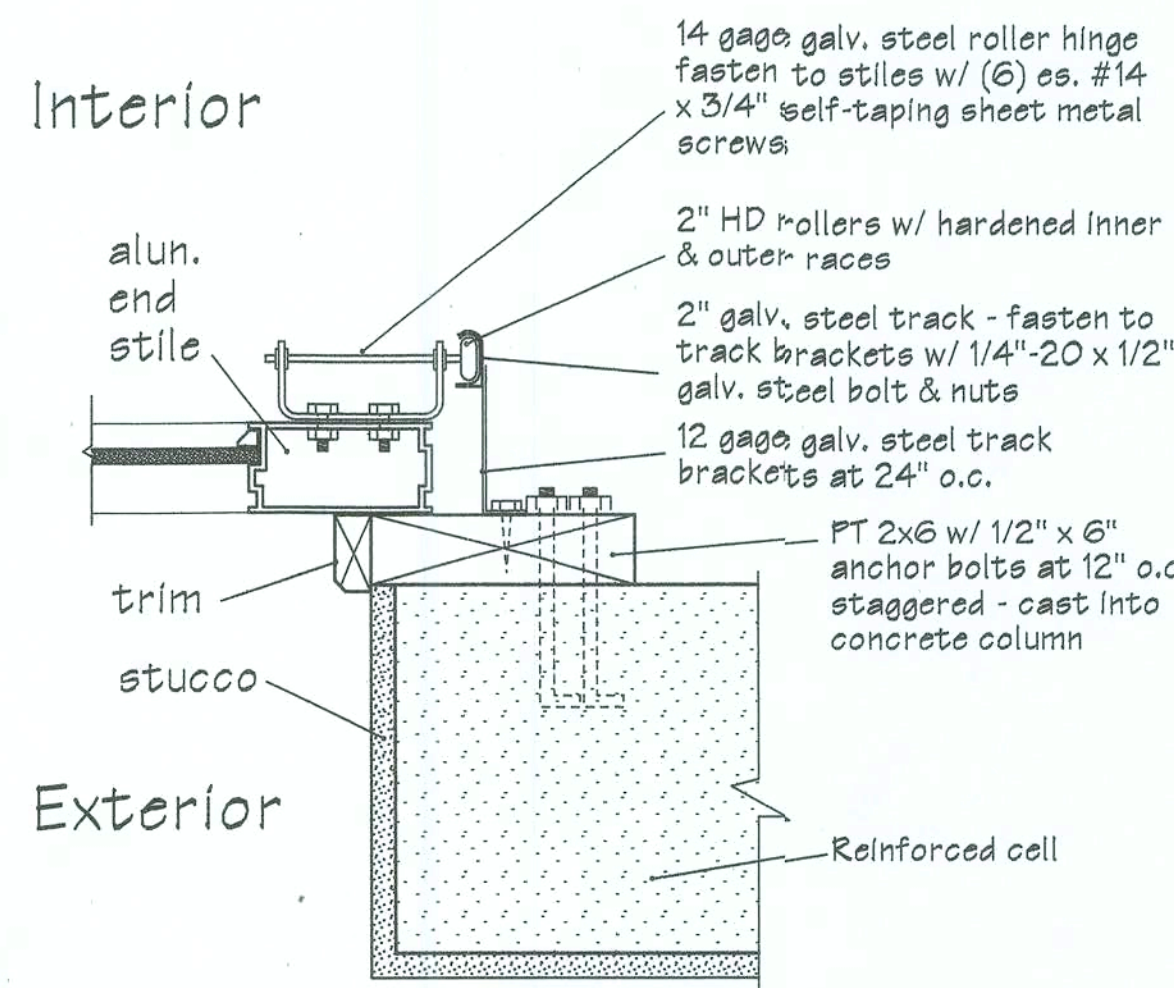
### Sheathing & Nailing Schedule

Sheathing shall be 5/8" CDX plywood nailed per Schedule below:

- Within 4' of eaves - 10d ring-shank nails at 4" o.c.
- Within 4' of hips & ridges - 10d ring-shank nails at 6" o.c.
- Remaining areas in field - 10d ring-shank nails at 8" o.c.
- Fasten 30# roofing felt w/ tin-tags @ 1' 0" o/c both ways.

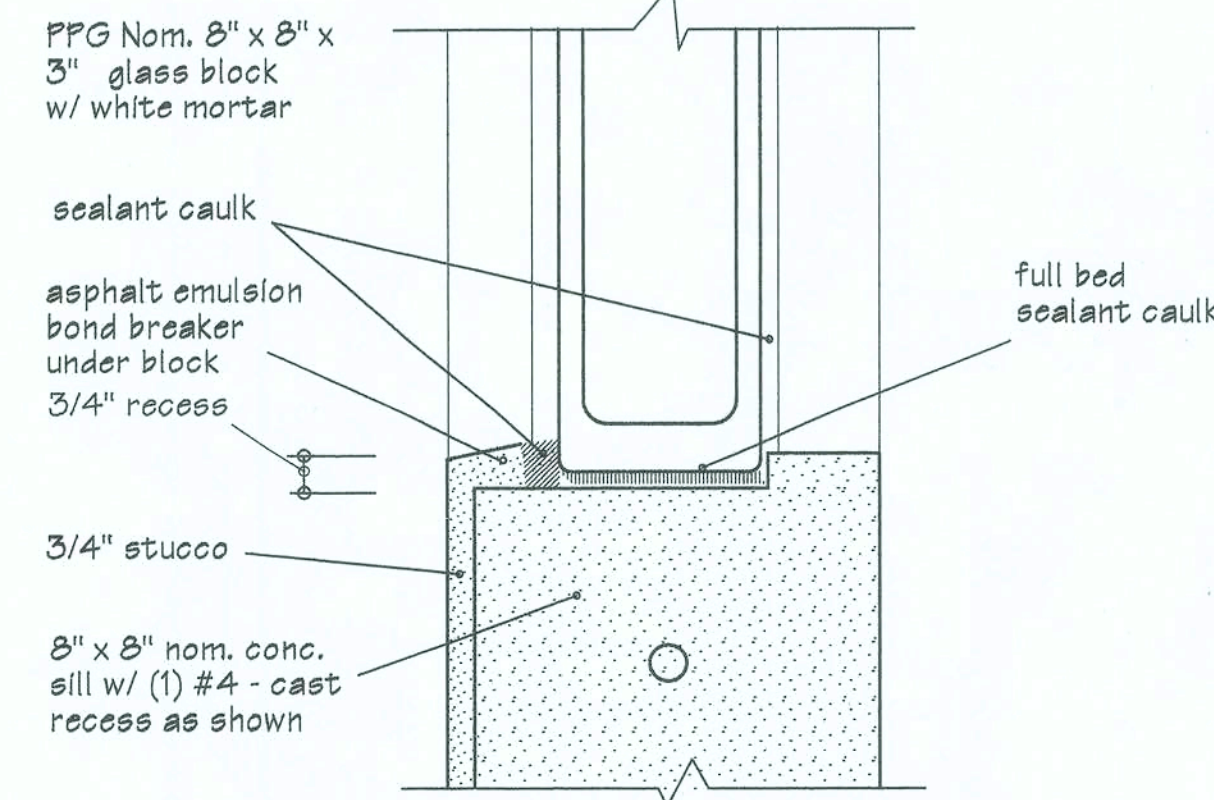
Wood in direct contact with concrete shall be CCA pressure treated, retention of 0.40# per c.f..

Shingles to be installed w/ min. (6) galv. roofing nails per each shingle.



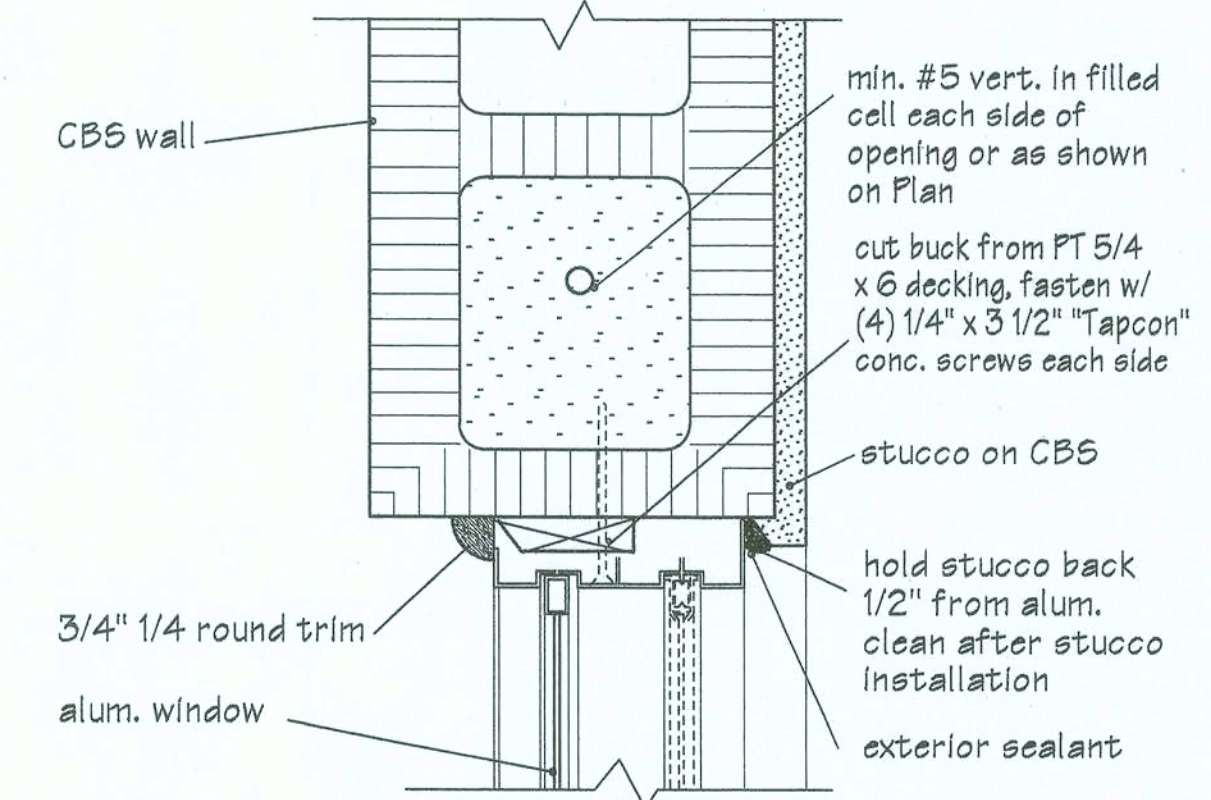
**B** Garage Door Detail  
G-2 NTS

### Exterior

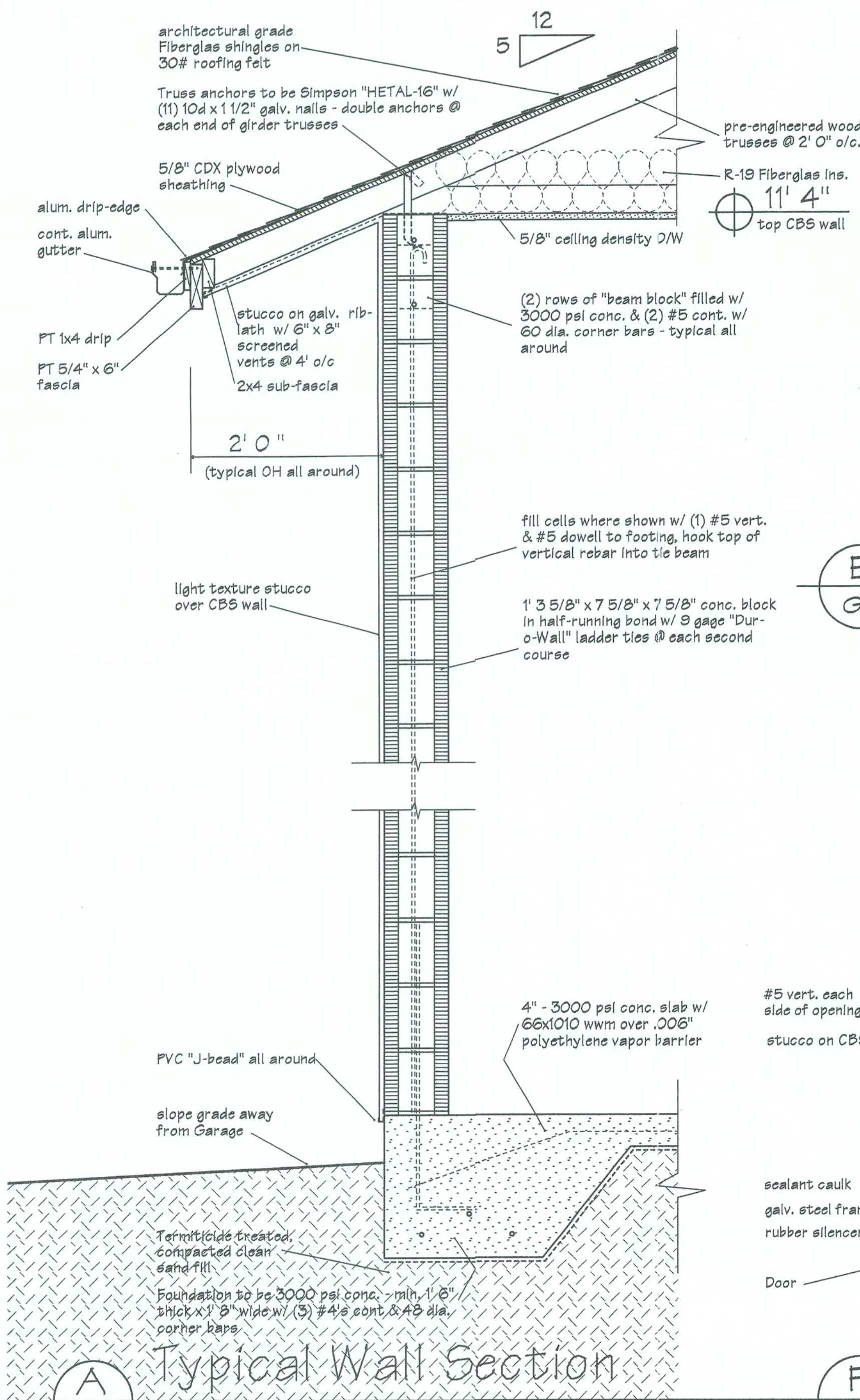


**C** Glass Block Sill  
G-2 NTS

### Exterior

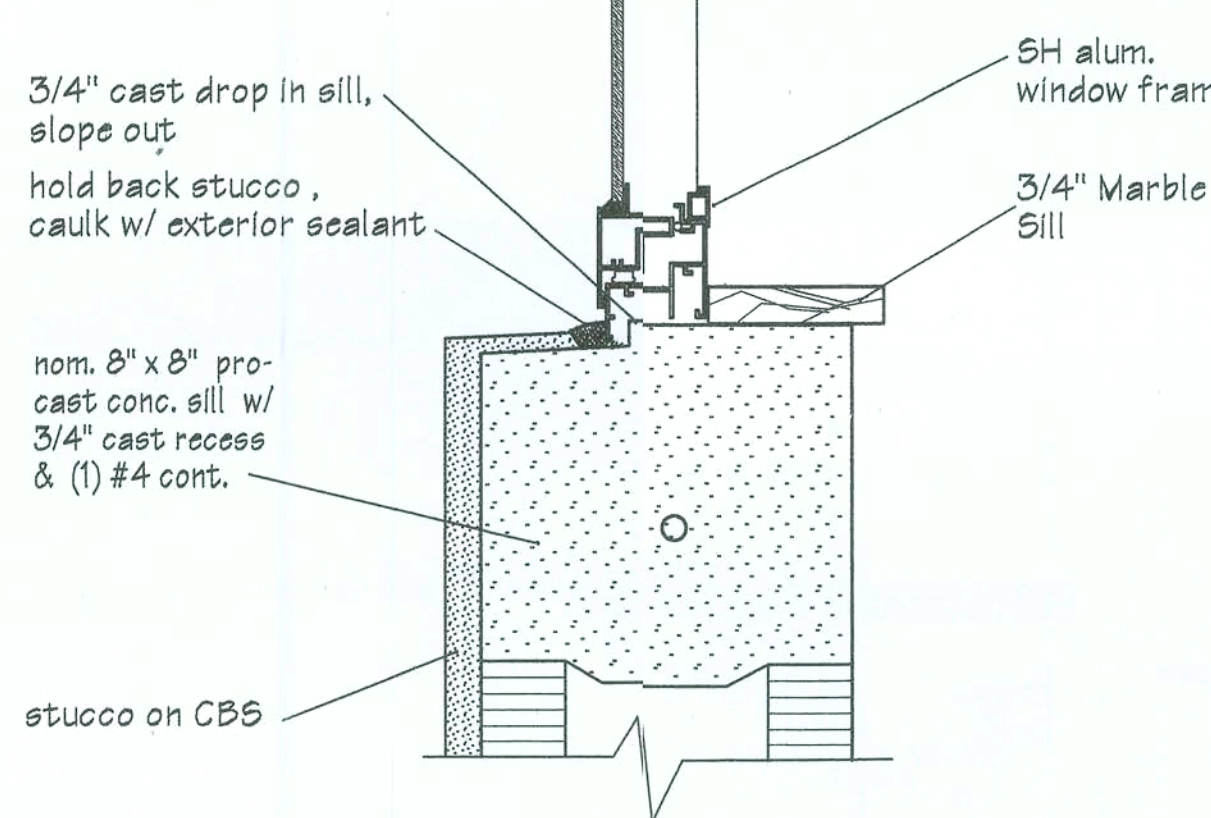


**D** Alum. SH Jamb  
G-2 NTS exterior sealant

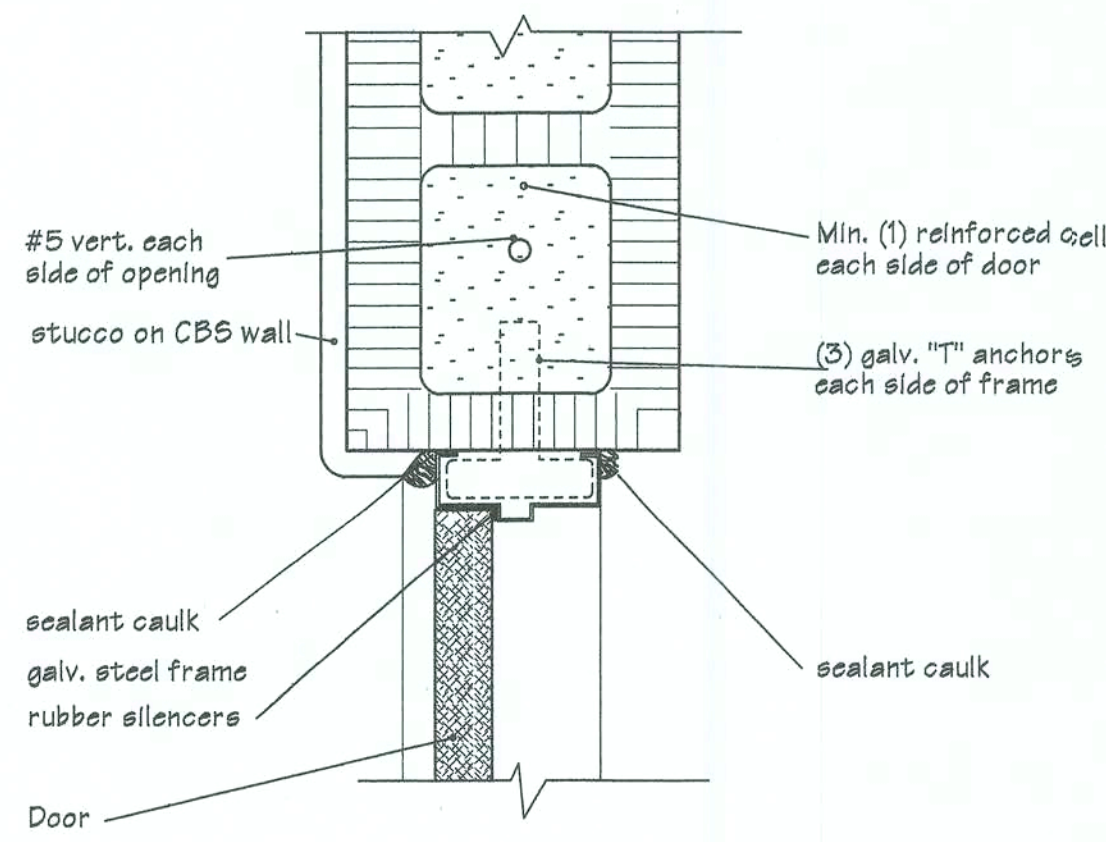


**A** Typical Wall Section  
G-2 Scale - 1" = 1' 0"

### Exterior



**E** SH Alum. Sill  
G-2 NTS



**F** HM - Jamb  
G-2 NTS Hollow Metal Frame

### "Cast-Crete" Precast Concrete Lintels

| Opening     | Opening Width | Lintel Length | Designation   | Added Rebar       | Remarks                                            |
|-------------|---------------|---------------|---------------|-------------------|----------------------------------------------------|
| Garage Door | 10' 0"        | 11' 4"        | 8F16-1B/1T    | (1) #5 top & bot. | add #5 "Z-bars" @ 2' 0" o/c, 3000 psi conc. filled |
| Glass Block | 4' 0"         | 5' 4"         | 8F8-OB/1T     | (1) #5 top        | 3000 psi conc. filled                              |
| SH Window   | 4' 0"         | 5' 4"         | 8F8-OB/1T     | (1) #5 top        | 3000 psi conc. filled                              |
| HM Door     | 3' 4"         | 4' 6"         | 8UB-8" Recess |                   |                                                    |

### Panel "G"

Type MLO - 125 amp - 24 circuit - 1 phase - 3 wire

| Load               | Watts | A  | Circ. | AB Circ. | A  | Watts | Load                   |
|--------------------|-------|----|-------|----------|----|-------|------------------------|
| Potable Water Pump | 1500  | 20 | 1     | 2        | 20 | 1500  | Future Irrigation Pump |
| Water Heater       | 2500  | 30 | 3     | 6        | —  | —     | Spare                  |
| Lighting           | 1080  | 20 | 7     | 8        | —  | —     | Spare                  |
| GFI Outlets        | 1200  | 20 | 9     | 10       | —  | —     | Spare                  |
| GFI Outlets        | 1200  | 20 | 11    | 12       | —  | —     | Spare                  |
| GFI Outlets        | 1200  | 20 | 13    | 14       | —  | —     | Spare                  |
| GFI Outlets        | 1200  | 20 | 15    | 16       | —  | —     | Spare                  |
| Spare              | —     | —  | 17    | 18       | —  | —     | Spare                  |
| Spare              | —     | —  | 19    | 20       | —  | —     | Spare                  |
| Spare              | —     | —  | 21    | 22       | —  | —     | Spare                  |
| Spare              | —     | —  | 23    | 24       | —  | —     | Spare                  |

Panel "G" Load Calc (no distribution) Bus "A" = 7780 W Bus "B" = 7800 W Total = 15,680 / 230 v = 68 Amperes Panel Load - 100 amperes

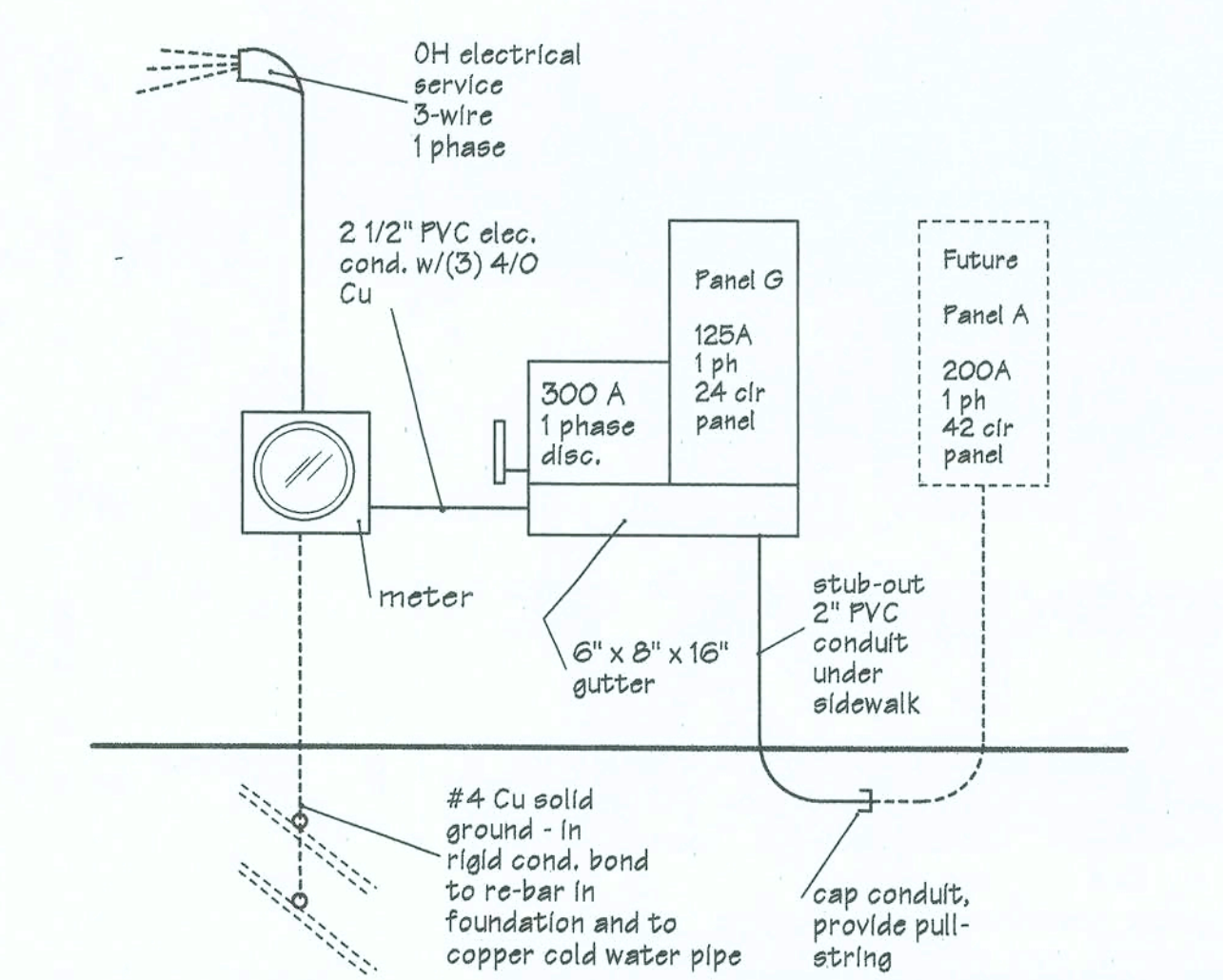
| Estimated Load for Future Residence |             |                          |             |
|-------------------------------------|-------------|--------------------------|-------------|
| 3320 SF at 3 w/SF =                 | 9960 watts  | A/C                      | 7812 watts  |
| Appliance (1500 w ea) =             | 4500        | AHU Heat Pump            | 10000       |
| Dishwasher                          | 1500        |                          | =====       |
| Water Heater                        | 5000        | Subtotal (max load)      | 10000       |
| Range/Oven                          | 12000       |                          |             |
| Dryer                               | 5000        | 1st 10 KW at 100 %       | 10000       |
| Washer                              | 1500        | Balance at 40%           | 13384       |
| A/C AHU                             | 1500        | no demand load (largest) | 10000       |
| Spare                               | 2500        |                          | =====       |
| Subtotal                            | 43460 watts | 33384 watts/230 v =      | 145.15 amps |
|                                     |             | Service size =           | 200 amps    |

Total Electrical Requirements - Garage & Residence - 300 amps, single phase

### Electrical Load Calculations

### Electrical Notes

Note 1: Circuit # shown to determine number & size of breakers, Panel directory shall show as-built circuits.  
Note 2: All conductors shall be copper, min. #12 Romex per NEC requirements.  
Note 3: All circuits shall have continuous copper ground wire same size as both other conductors in circuit.



### Electrical Riser

NTS

John M. Foster - Architect  
Member - American Institute of Architects  
11205 Ridge Avenue Ft. Pierce, Florida 34932  
(772) 370-8464 - Florida Registration No. 8511  
Fax: (772) 370-8464 - jmfarchitect@earthlink.net

Garage for:  
**Mr. & Mrs. Frank Pagano**  
Nash Road, Columbia County, Florida

Sheet  
**G-2**  
of Two

*John*