

FOUNDATION & BASEMENT PLAN

SCALE 1/4" = 1'-0"

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- CONCRETE WORK**
1. CODES AND STANDARDS: ACI-318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"; ACI-301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"; ACI-347, "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK"; ACI-304, "RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE"; READY MIX CONCRETE SHALL BE IN ACCORDANCE WITH ASTM C-94.
 2. COMPRESSIVE STRENGTH OF CONCRETE 3,000 PSI AT 28 DAYS. MAX. SLUMP OF ALL CONC. SHALL BE 4". IN LIEU OF TESTING, CONTRACTOR SHALL PROVIDE CERTIFIED MIX RECEIPTS, DELIVERED TO OWNER.
 3. WHEN PLACING INTERIOR CONCRETE SLABS, DO NOT PUNCTURE THE VAPOR BARRIER. BE CAREFUL WITH CURING BECAUSE VIRTUALLY NO WATER WILL BE LOST TO THE SUBGRADE.
 4. USE AIR-ENTRAINING ADMIXTURE IN ALL CONCRETE THAT IS EXPOSED TO FREEZING AND THAWING, PROVIDING NOT LESS THAN 4% NOR MORE THAN 6% ENTRAINMENT.
 5. NO CONCRETE SLABS OR FOOTINGS SHALL BE PLACED UNTIL SUBGRADE PREPARATION IS INSPECTED AND APPROVED BY THE MUNICIPALITY.
 6. FINISHES: EXPOSED TO VIEW VERTICAL SURFACES SHALL HAVE A RUBBED FINISH IN ACCORDANCE WITH ACI-301. FLOOR SLABS SHALL HAVE A STEEL TROWEL FINISH. EXTERIOR WALKWAYS TO HAVE BROOM FINISH.

- BASE BID: BELOW SLAB VAPOR BARRIERS**
1. BELOW ALL INTERIOR GROUND SUPPORTED CONCRETE SLABS, INCLUDING GARAGES, SHALL BE INSTALLED A VAPOR BARRIER, RADON / METHANE BARRIER. THE LOWER THE WATER VAPOR PERMEANCE RATING OF THE BARRIER, THE MORE RESISTIVE IT IS TO RADON AND METHANE.
 2. ALL VAPOR BARRIERS SHALL BE PLACED ON THE PREPARED SUBGRADE, BELOW ANY INSULATION BOARDS. THE V.B. SHALL BE EXTENDED UP EDGES TO BE VISIBLE ABOVE THE SLAB, REMOVE EXCESS AFTER SLAB HAS CURED. FOR THE V.B. TO PERFORM AS A GOOD RADON GAS BARRIER ALL PENETRATIONS SHALL BE SEALED AND ALL JOINTS LAP SPliced A MINIMUM OF 6-INCHES, AND TAPED PER MFG. RECOMMENDATIONS.
 3. PRODUCT SHALL BE A HIGH QUALITY POLYETHYLENE PLASTIC, AT LEAST 1/16" THICK. THE MINIMUM PERM RATING SHALL BE "CLASS 1" VAPOR RETARDER, PERM RATING OF 0.10 OR LESS, CONFORMING TO ASTM E96. MEMBRANE SHALL MEET ASTM E-1745.
- SUMP PUMPS & CROCKS**
1. THE IMPORTANT ITEM IS THE CROCK, OR THE VESSEL, THE PUMP WILL BE INSTALLED WITHIN. THE CROCK SHALL BE A HEAVY DUTY UNIT WITH A VAPOR TIGHT LID. THE GOAL IS TO COLLECT WATER FROM BELOW GRADE DRAINAGE SYSTEMS, BUT WITHOUT ALLOWING VAPOR WITHIN THAT LIQUID TO ESCAPE INTO THE HOUSE ATMOSPHERE. THUS THE CROCK MUST BE VENTED TO THE EXTERIOR, AND REQUIRES SLEEVES FOR THE INSTALLATION OF PUMPS, PIPING, AND WIRES.
 2. THIS IS PRETTY MUCH EXACTLY THE SAME AS A SANITARY EJECTOR PUMP SYSTEM.

CONTRACTOR INSURANCES:

1. INSURANCE: BEFORE INITIATING ANY WORK AT SITE, CONTRACTOR(S) SHALL PROVIDE PROOF OF INSURANCE, INCLUDING COMMERCIAL GENERAL LIABILITY, WORKMAN'S COMPENSATION AND AUTOMOBILE LIABILITY. MINIMUM LIMITS SHALL BE AS FOLLOWS:

COMMERCIAL GENERAL LIABILITY	GENERAL AGGREGATE	\$ 1,000,000.00
	PRODUCTS - COMP / OP AGGREGATE	\$ 1,000,000.00
	EACH OCCURRENCE	\$ 1,000,000.00
	FIRE DAMAGE (ANY ONE FIRE)	\$ 100,000.00
	MED. EXPENSE (ANY ONE PERSON)	\$ 5,000.00
AUTOMOBILE LIABILITY	SINGLE COMBINED LIMIT	\$ 250,000.00
WORKMAN'S COMPENSATION	STATUTORY LIMITS	
GENERAL "UMBRELLA"		\$ 2,000,000.00

2. OWNER AND ARCHITECT SHALL BE NAMED AS "ADDITIONAL NAMED INSURED" ON CONTRACTOR'S LIABILITY POLICIES. OWNER AND ARCHITECT SHALL BE GIVEN 30 DAYS NOTICE BEFORE ANY POLICIES EXPIRE, AND CERTIFICATES EVIDENCING SUCH COVERAGE AND INCLUSION OF THE OWNER AND ARCHITECT SHALL BE PROVIDED TO BOTH.

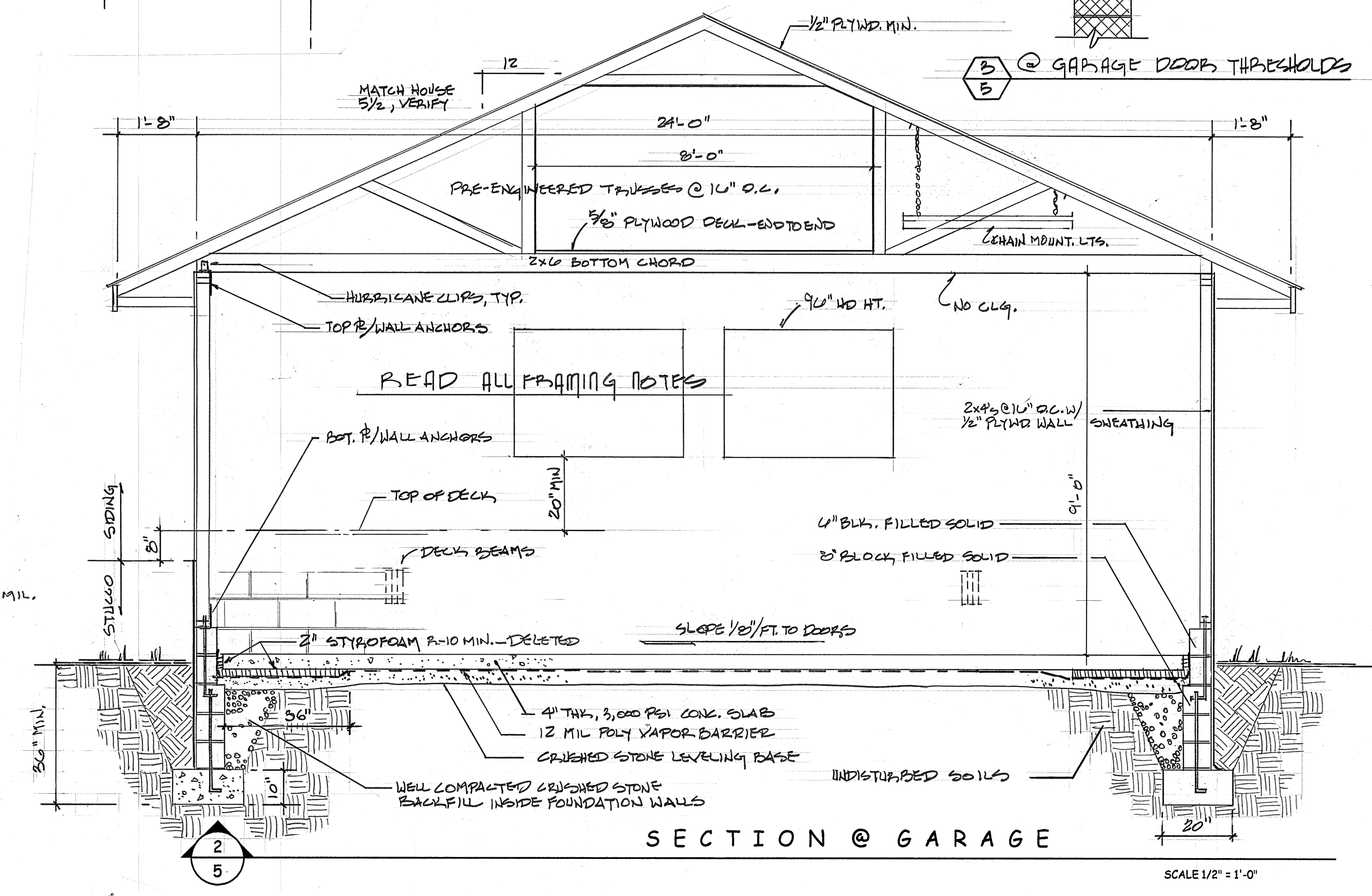
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SECTION @ GARAGE

SCALE 1/2" = 1'-0"

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