

**GENERAL SPECIFICATIONS:**

THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE BASIC CONDITIONS AND CODE REQUIREMENTS OF THE "2008 INTERNATIONAL RESIDENTIAL CODE" AND THE OHIO RESIDENTIAL CODE. SINCE LOCAL CODES AND ORDINANCES MAY VARY, THIS PLAN IS NOT WARRANTED TO COMPLY WITH ANY SPECIFIC CODE OR REGULATION.

IT SHALL BE THE RESPONSIBILITY OF THE OWNER OR HIS AGENT TO CONSULT WITH THE LOCAL BUILDING OFFICIAL HAVING JURISDICTION TO DETERMINE THE SUFFICIENCY OF THESE PLANS FOR THE SPECIFIC SITE AND USE. ADDITIONALLY, IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ASSURE STRICT COMPLIANCE WITH ALL APPLICABLE CODE REQUIREMENTS AND ORDINANCES. WHERE THE PROVISIONS OF THE APPLICABLE LOCAL BUILDING CODE(S) AND THESE PLANS CONFLICT THE MOST RESTRICTIVE REQUIREMENTS SHALL APPLY.

THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS ARE ASSUMED TO HAVE VISITED THE PROPOSED BUILDING SITE SO AS TO BECOME FAMILIAR WITH ANY SITE-SPECIFIC JOB REQUIREMENTS. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS RELATING TO THE WORK PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL REPORT ANY DISCREPANCIES TO THE OWNER, THE GENERAL CONTRACTOR AND THE OWNER'S ARCHITECT OR ENGINEER PRIOR TO PROCEEDING.

THE GARAGE SHALL BE COMPLETELY SEPARATED FROM THE RESIDENCE AND ITS ATTIC AS REQUIRED BY LOCAL CODE. IN NO CASE SHALL THE SEPARATION BE LESS THAN 1/2" GYPSUM BOARD, OR EQUAL, APPLIED TO THE GARAGE SIDE WITH ANY OPENINGS PROTECTED WITH A 1-3/8" SOLID CORE WOOD DOOR, OR BETTER.

RETURN OR SUPPLY AIR DUCTS PENETRATING THE WALL SHALL BE MIN. 26 GA. SHEET STEEL OR APPROVED EQUAL. THE FOUNDATION CONTRACTOR SHALL CONFIRM THE SIZES AND LOCATIONS OF ANY REQUIRED DUCT OPENINGS WITH THE OWNER AND HVAC CONTRACTOR PRIOR TO WALL PLACEMENT.

HEATING AND COOLING APPLIANCES LOCATED IN THE GARAGE SHALL BE PROTECTED FROM IMPACT BY AUTOMOBILES. APPLIANCES CAPABLE OF IGNITING GASOLINE VAPORS SHALL BE INSTALLED WITH IGNITION ELEMENTS AND SWITCHES AT LEAST 18" ABOVE THE FLOOR LEVEL.

PROVIDE WEATHER-STRIPPING AT ALL EXTERIOR DOOR OPENINGS AND CAULK, OR OTHERWISE SEAL, ALL JOINTS AND UTILITY LINE ENTRANCES SUBJECT TO AIR INFILTRATION.

**BUILDING DATA:**

USE GROUP: "R" 1 FAMILY RESIDENTIAL (SITE BUILT)

CONSTRUCTION TYPE: 5-B, WOOD FRAME

**MINIMUM DESIGN LOADS:**

FLOOR: 40 psf. LIVE plus DEAD LOAD - ALL ROOMS EXCEPT AS NOTED BELOW

30 psf. LIVE plus DEAD LOAD - SLEEPING ROOMS & ATTICS

50 psf. LIVE plus DEAD LOAD - PASSENGER VEHICLE GARAGE FLOORS

w/2000 LB. CONCENTRATED LOAD ON 20 SQUARE INCH AREA.

ROOF: 20 psf. LIVE LOAD plus DEAD LOAD

20 psf. MIN. GROUND SNOW LOAD

WIND: 75 mph basic wind speed, 90 mph 3 second gust wind velocity,

EXPOSURE "B"

SOIL BEARING CAPACITY: ASSUMED 1,500 p.s.f. (Class 5 Soils)

**CONCRETE, MASONRY AND FOUNDATION NOTES:**

ALL CONCRETE SHALL BE A MINIMUM OF 3000 p.s.f. COMPRESSIVE STRENGTH @

28 DAYS, REINFORCED AS NOTED. ALL EXTERIOR CONCRETE FLATWORK SHALL BE AIR

ENTRAINED (MIN. 6% AIR). ALL CONCRETE SHALL BE ALLOWED TO CURE

A MINIMUM OF 30 DAYS PRIOR TO LOADING. ALL SLABS ON GRADE SHALL BEAR ON

A MIN. OF 4" COMPACTED GRANULAR FILL AND SHALL BE PROVIDED WITH EXPANSION &

CONTROL JOINTS AS REQUIRED OR NOTED. EXPANSION & CONTROL JOINTS SHALL

BE COMPLETELY FILLED WITH AN APPROVED ELASTOMERIC CAULK (COLORED GRAY).

PROVIDE A MIN. 6 MIL. POLYETHYLENE VAPOR BARRIER UNDER ALL INTERIOR

CONCRETE FLOOR SLABS ON GRADE. ALL CONCRETE FLATWORK SHALL RECEIVE ONE

COAT OF AN APPROVED CONCRETE CURING/SEALANT COMPOUND.

FOUNDATION WALLS SHALL BE POURED CONCRETE A MINIMUM OF 10" IN WIDTH OR

MINIMUM 10" GRADE W. TYPE 1, HOLLOW CORE LOAD BEARING CONCRETE MASONRY UNITS

LAD IN TYPE "M" MORTAR. ALL CORES CONTAINING VERTICAL REINFORCEMENT OR

OR ANCHOR BOLTS SHALL BE FULLY GROUTED.

MIN. FOUNDATION DEPTH SHALL BE 48" BELOW FINISHED GRADE, VERIFY & COMPLY

WITH LOCAL FROST DEPTH REQUIREMENTS. FOUNDATION WALLS SHALL NOT BE COM-

pletely backfilled UNTIL THE FIRST FLOOR FRAMING AND SUBFLOOR IS COMPLETED.

**STEEL REINFORCEMENT AND ANCHOR BOLT NOTES:**

ALL STRUCTURAL STEEL BEAMS AND PLATES SHALL MEET THE REQUIREMENTS OF

ASTM SPECIFICATION A-36.

ALL ANCHOR RODS SHALL MEET THE REQUIREMENTS OF ASTM SPECIFICATION F1554.

GRADE 55, MIN. ANCHOR ROD PROJECTION SHALL BE 2.5". MINIMUM ANCHOR ROD

EMBEDMENT SHALL BE 9" IN POURED CONCRETE AND 15" IN CONCRETE MASONRY

UNITS. ANCHOR RODS SHALL BE 1/2" Ø SPACED 1' FROM EACH CORNER AND @

4" Ø MAXIMUM.

ALL REINFORCING STEEL FOR CONCRETE SHALL COMPLY WITH THE REQUIREMENTS

OF ASTM SPECIFICATION A-636.

ALL JOISTS, BEAMS AND GIRDERS SHALL BEAR A MINIMUM OF 3" ON UNIT MASONRY

OR POURED CONCRETE AND A MINIMUM OF 1-1/2" ON METAL OR WOOD SUPPORTS.

THE SPECIFIED 22 GA. STEEL DECK SHALL BE A MIN. 1 1/2" COMPOSITE STEEL

DECK AS MANUFACTURED BY WHEELING-PITTSBURGH STEEL CORP. (TYPE 1.5 SB OR

1.5 SBR), UNITED STEEL DECK PRODUCTS (TYPE B-10K), MARLYN STEEL DECKS, INC.

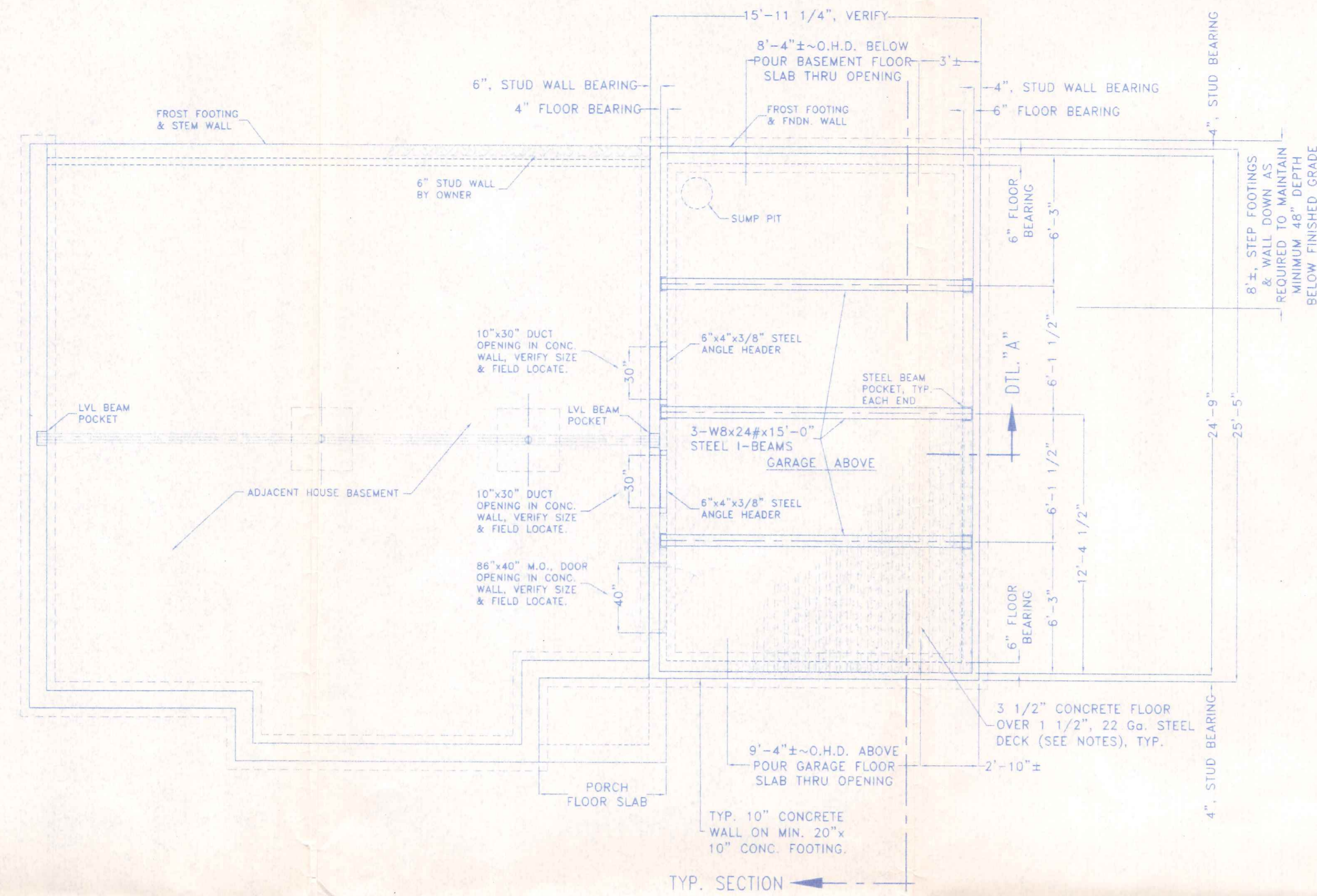
(TYPE 1.5 CF), OR OTHER ALTERNATE AS APPROVED BY THE ENGINEER. THE DECK

SHALL BE PLACED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

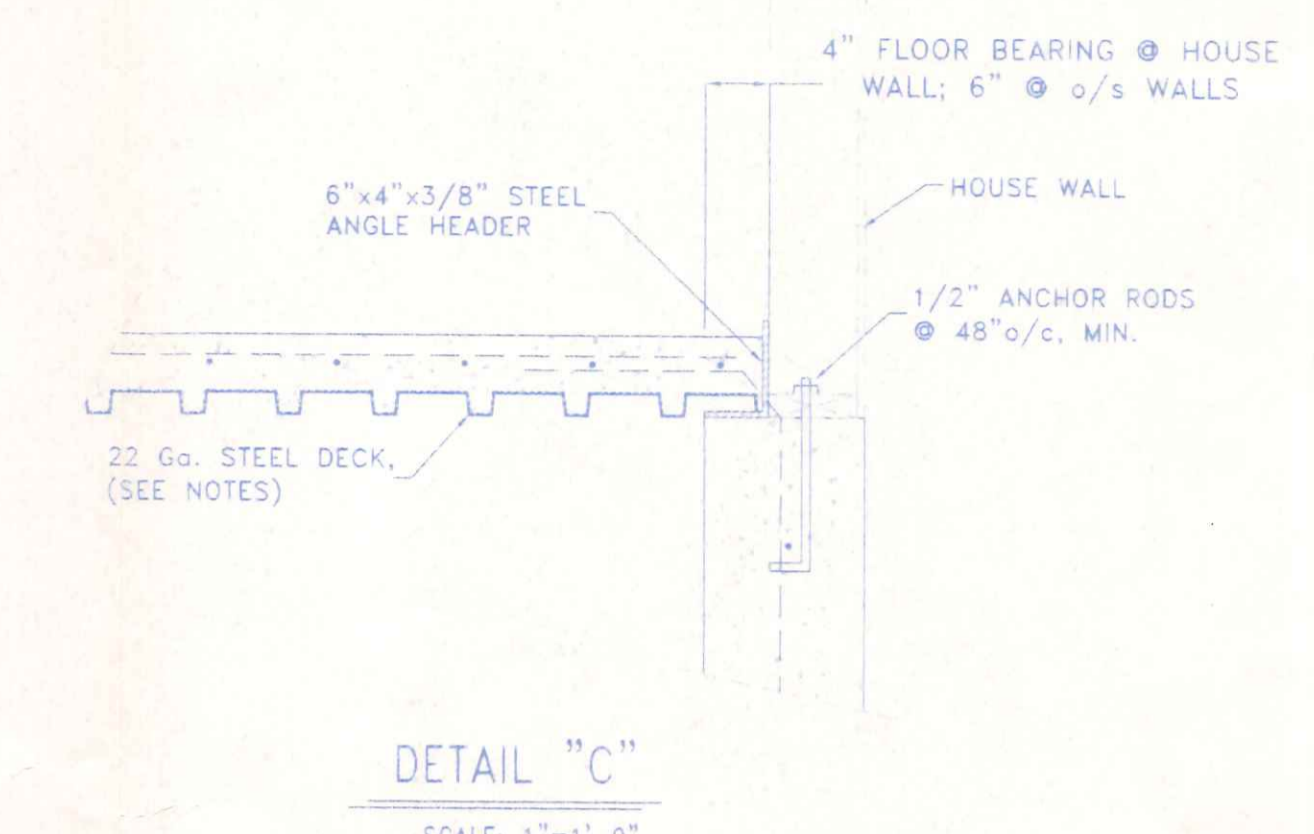
ALL REQUIRED WELDS, END CLOSURE STRIPS, STUDS OR OTHER REQUIRED ACCESSORIES

SHALL BE PLACED SO AS TO ASSURE THE FINAL ASSEMBLY WILL MEET OR EXCEED THE

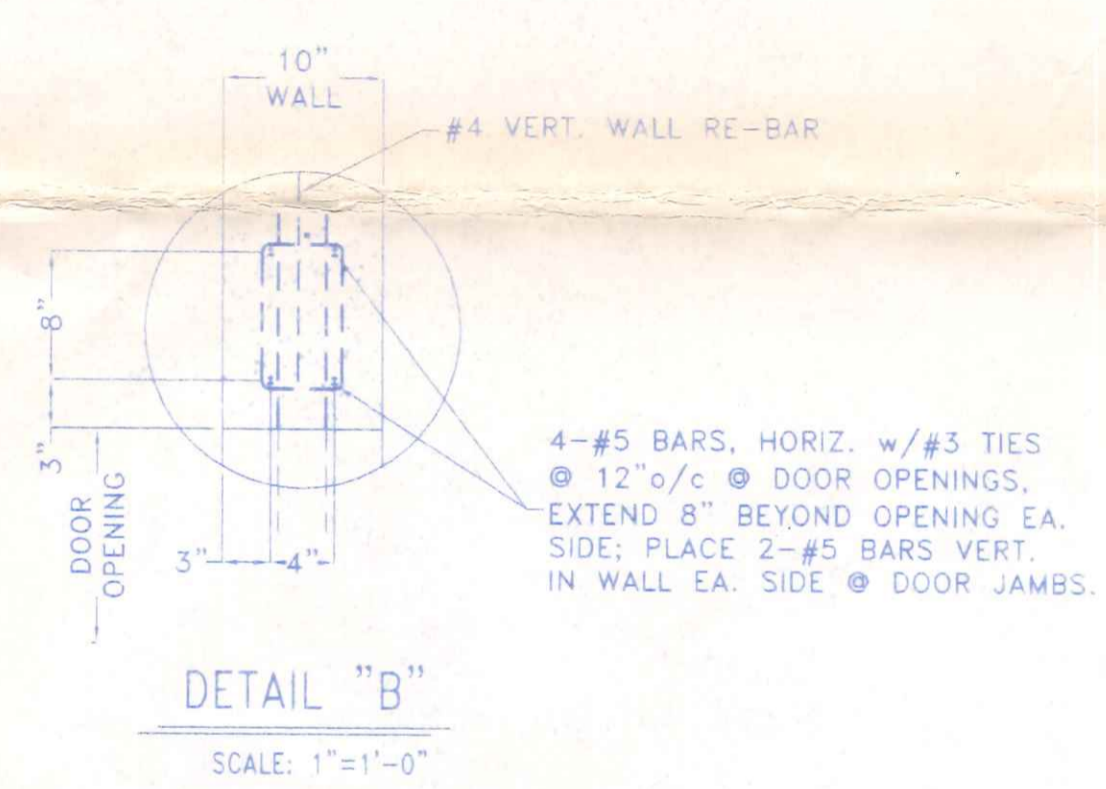
LOADING REQUIREMENTS OF THIS PLAN AND ANY APPLICABLE CODE REQUIREMENTS.



**GARAGE FLOOR SLAB PLAN**  
SCALE: 1/4"=1'-0"



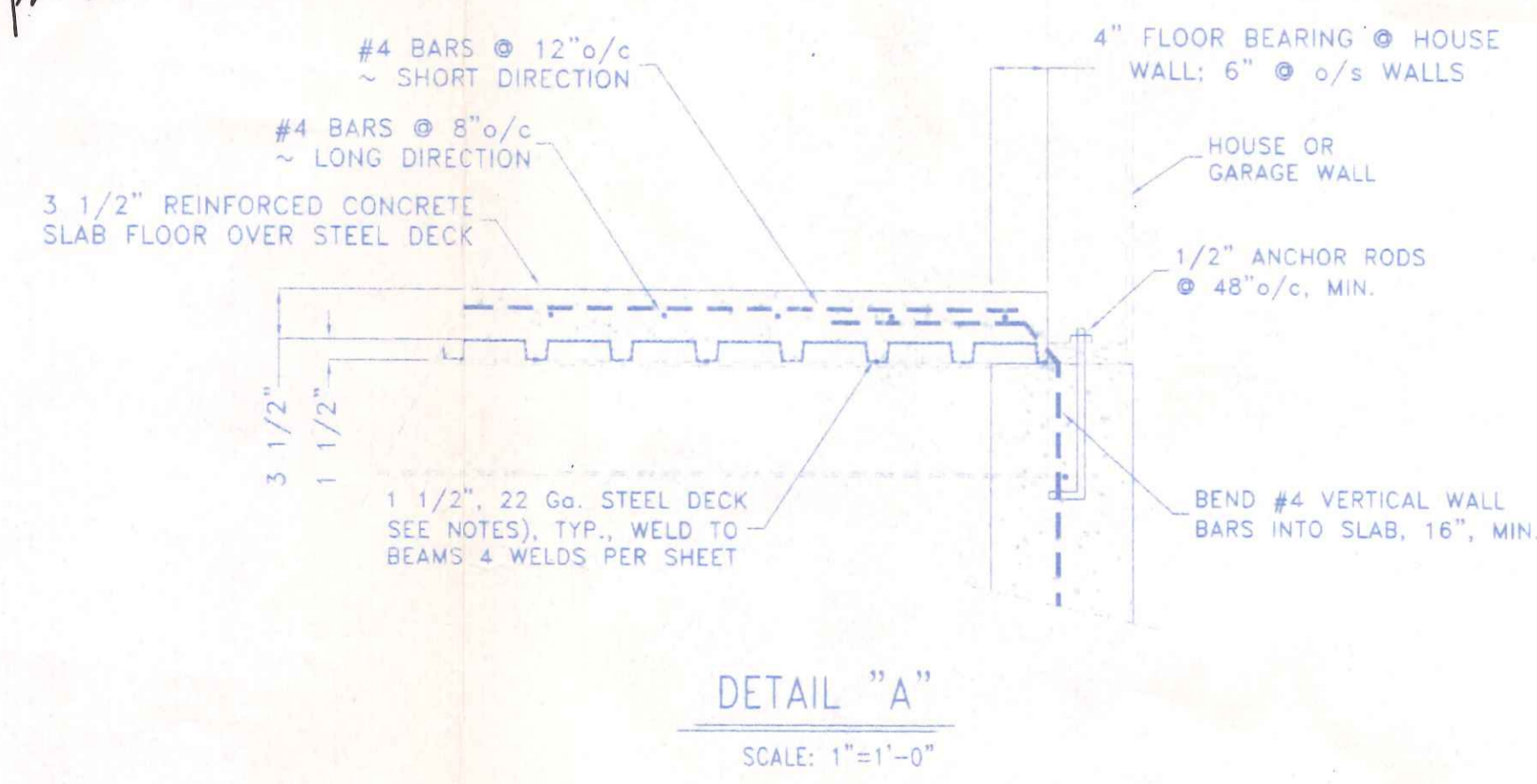
**DETAIL "C"**  
SCALE: 1"=1'-0"



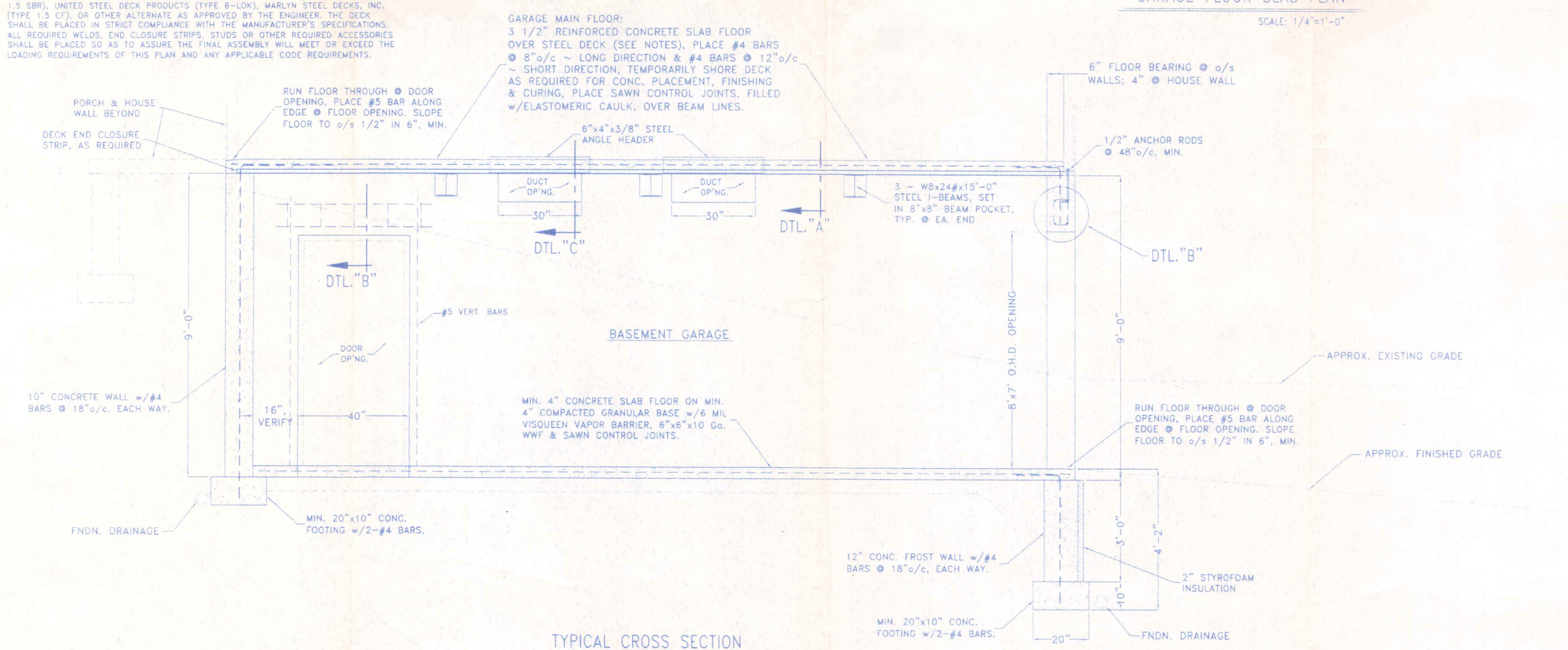
**DETAIL "B"**  
SCALE: 1"=1'-0"



*Richard E. Bertz*



**DETAIL "A"**  
SCALE: 1"=1'-0"



**TYPICAL CROSS SECTION**  
SCALE: 1/2"=1'-0"

<b>FREYTAG RESIDENCE</b>		
234 W. MAUMEE AVE	419/766-0048	NAPOLEON, OHIO
DRAWN BY: R.D.S.	DIRECTORY: C:\ND\CUSTOM	REVISED:
	FILE NAME: FREYTAG GARAGE FLOOR	REVISED:
<b>CONCRETE GARAGE FLOOR</b>		SCALE: NOTED
PLAN, DETAILS & SPECIFICATIONS		DATE: JUNE, 2009
		DRAWING NUMBER:
		1 of 1



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PROVIDE A MIN. 6 MIL. POLYETHYLENE VAPOR BARRIER UNDER ALL INTERIOR CONCRETE FLOOR SLABS ON GRADE. ALL CONCRETE FLATWORK SHALL RECEIVE ONE COAT OF AN APPROVED CONCRETE CURING/SEALANT COMPOUND.

FOUNDATION WALLS SHALL BE POURED CONCRETE A MINIMUM OF 10" IN WIDTH OR MINIMUM 10" GRADE N, TYPE 1, HOLLOW CORE LOAD BEARING CONCRETE MASONRY UNITS LAID IN TYPE "M" MORTAR. ALL CORES CONTAINING VERTICAL REINFORCEMENT OR ANCHOR BOLTS SHALL BE FULLY GROUTED.

MIN. FOUNDATION DEPTH SHALL BE 48" BELOW FINISHED GRADE, VERIFY & COMPLY WITH LOCAL FROST DEPTH REQUIREMENTS. FOUNDATION WALLS SHALL NOT BE COMPLETELY BACKFILLED UNTIL THE FIRST FLOOR FRAMING AND SUBFLOOR IS COMPLETED.

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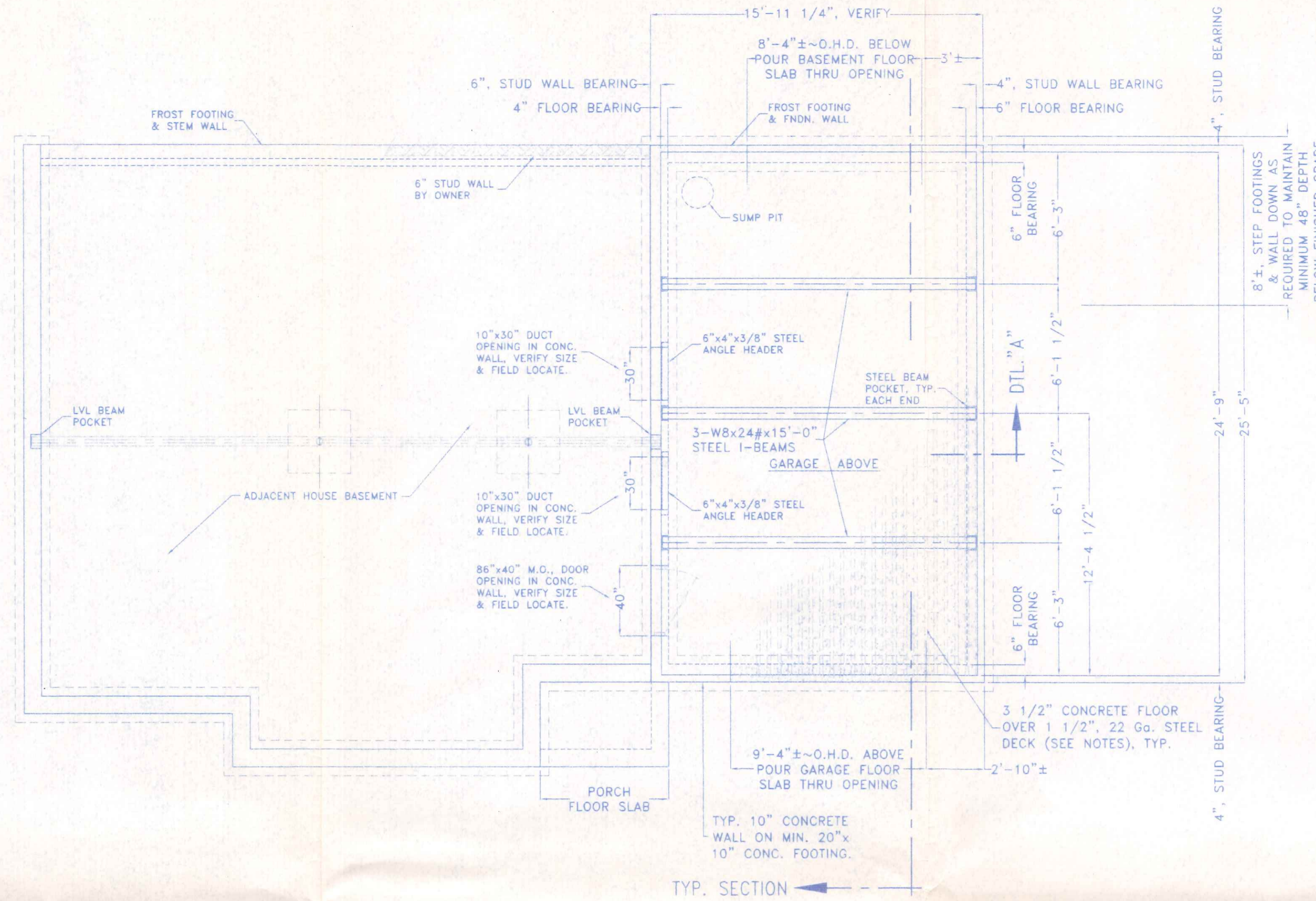
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ALL REINFORCING STEEL FOR CONCRETE SHALL COMPLY WITH THE REQUIREMENTS OF ASTM SPECIFICATION A-615, A616 OR A-617, GRADE 60.

ALL JOISTS, BEAMS AND GIRDERS SHALL BEAR A MINIMUM OF 3" ON UNIT MASONRY OR POURED CONCRETE AND A MINIMUM OF 1-1/2" ON METAL OR WOOD SUPPORTS.

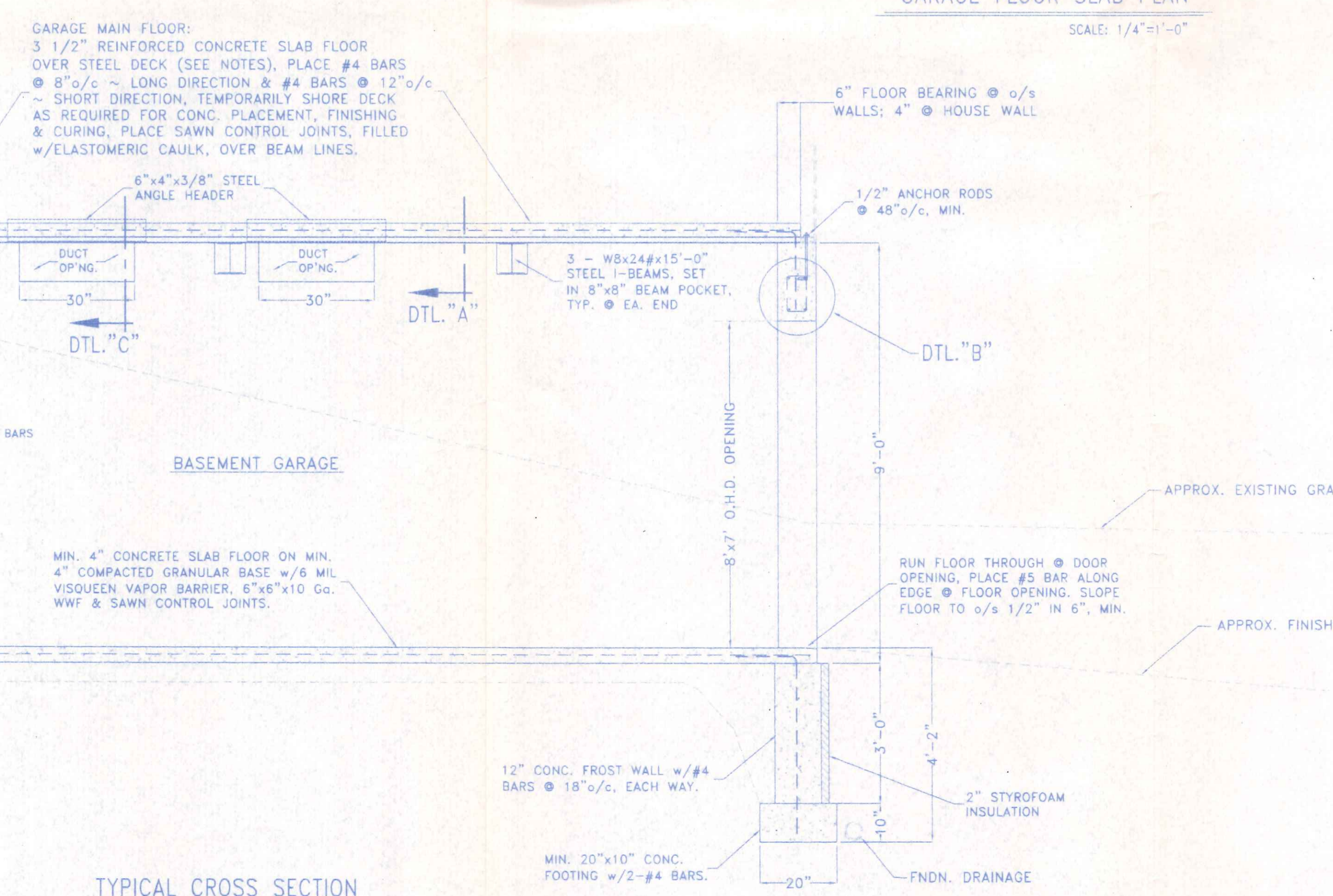
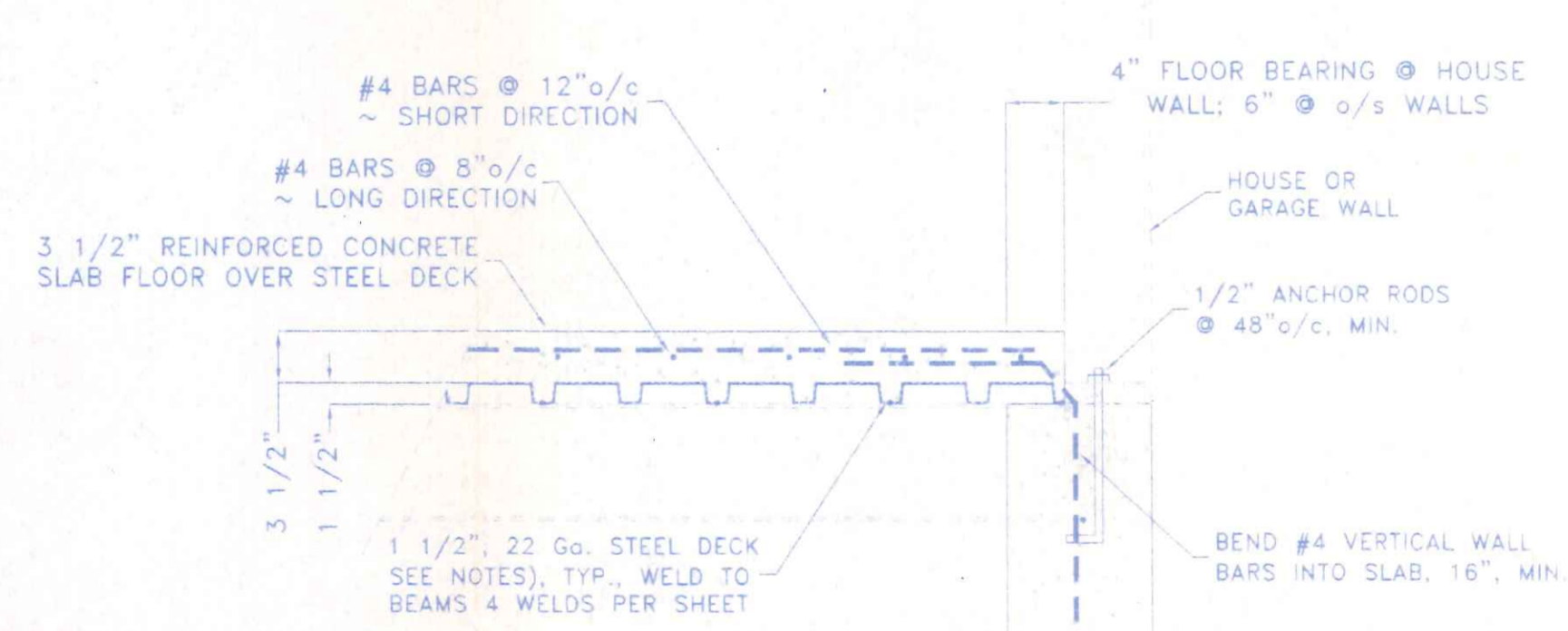
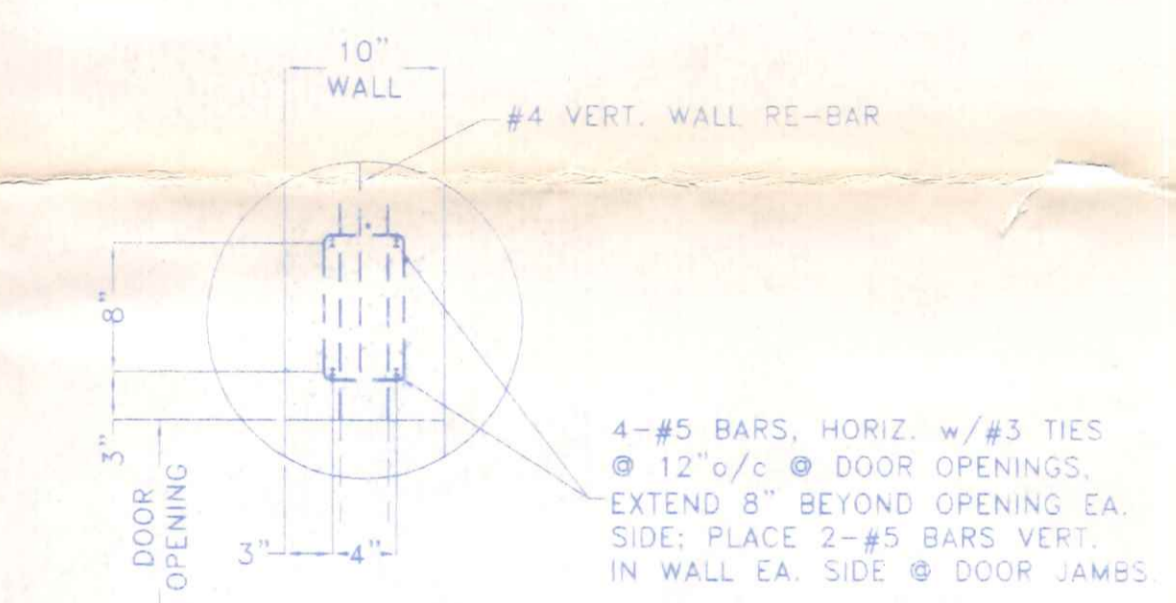
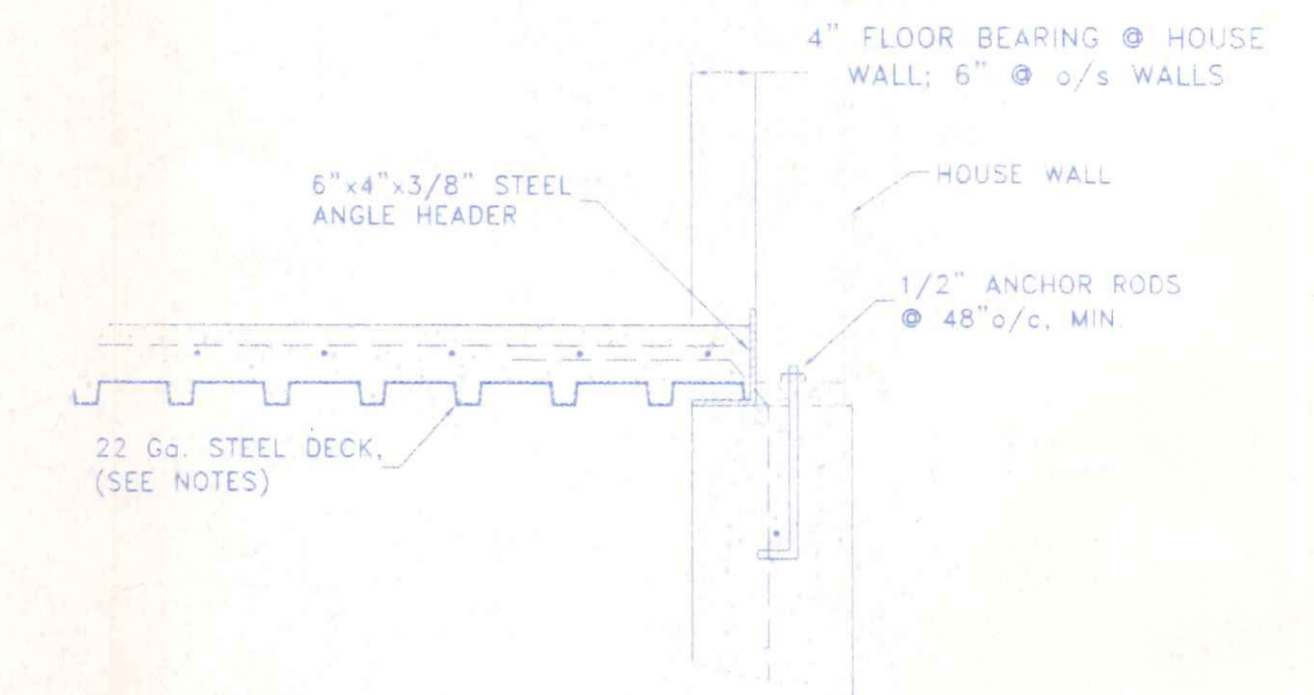
THE SPECIFIED 22 GA. STEEL DECK SHALL BE A MIN. 1-1/2" COMPOSITE STEEL DECK AS MANUFACTURED BY WHEELING-PITTSBURGH STEEL CORP. (TYPE 1.5 SB OR 1.5 SBR), UNITED STEEL DECK PRODUCTS (TYPE B-LOW), MARLYN STEEL DECKS, INC. (TYPE 1.5 CT), OR OTHER ALTERNATE AS APPROVED BY THE ENGINEER. THE DECK SHALL BE PLACED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

ALL REQUIRED WELDS, END CLOSURE STRIPS, STUDS OR OTHER REQUIRED ACCESSORIES SHALL BE PLACED SO AS TO ASSURE THE FINAL ASSEMBLY WILL MEET OR EXCEED THE LOADING REQUIREMENTS OF THIS PLAN AND ANY APPLICABLE CODE REQUIREMENTS.



**GARAGE FLOOR SLAB PLAN**

SCALE: 1/4"=1'-0"



**TYPICAL CROSS SECTION**

SCALE: 1/2"=1'-0"

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	FILE NAME: FREYTAG GARAGE FLOOR	REVISED:
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		DRAWING NUMBER: 1 of 1



