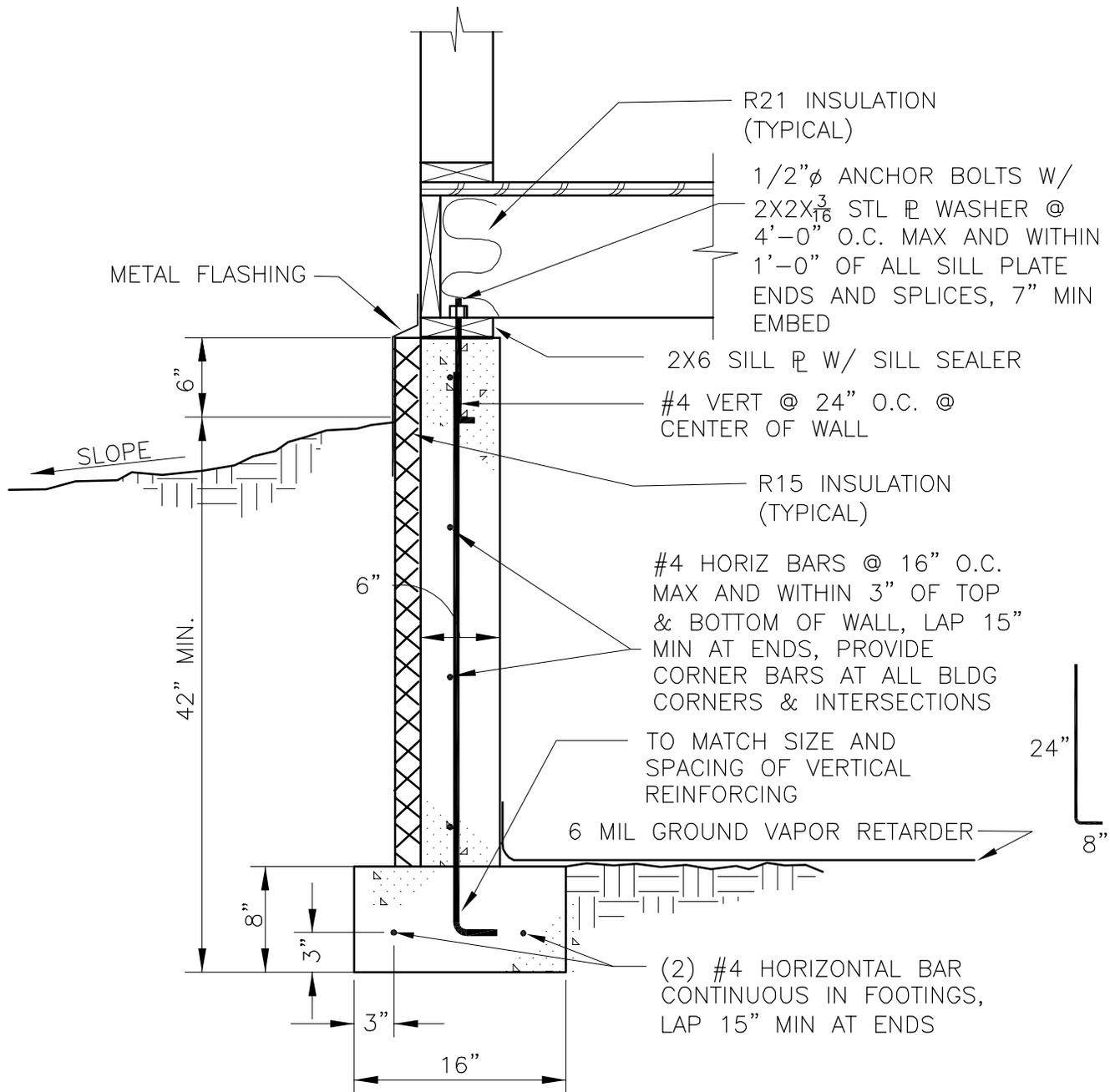


NOTES:

1. VERIFY THAT INSPECTION REQUIREMENTS HAVE BEEN MET BEFORE PLACING ANY CONCRETE.
2. DESIGN ASSUMPTIONS: RESIDENTIAL, MAXIMUM OF 2 FLOORS AND 32' BUILDING WIDTH. USE COMPACTED NFS GRAVEL BACKFILL WITH 2000 PSF BEARING CAPACITY, (SEE IRC SECTIONS R403 & 404).
3. CONCRETE AND GROUT: 2500 PSI MINIMUM COMPRESSIVE STRENGTH.
4. REBAR MINIMUMS: GRADE 40, 30 BAR DIAMETER LAP SPLICES.
5. PROVIDE ADEQUATE WALL BRACING BEFORE PLACING BACKFILL.
6. ANCHOR BOLT SPACING AT SILL PLATE MAY BE INCREASED TO A MAXIMUM OF 6'-0" O.C. FOR A SINGLE STORY RESIDENCE.
7. WET SETTING OF VERTICAL REINFORCING IS STRICTLY PROHIBITED.

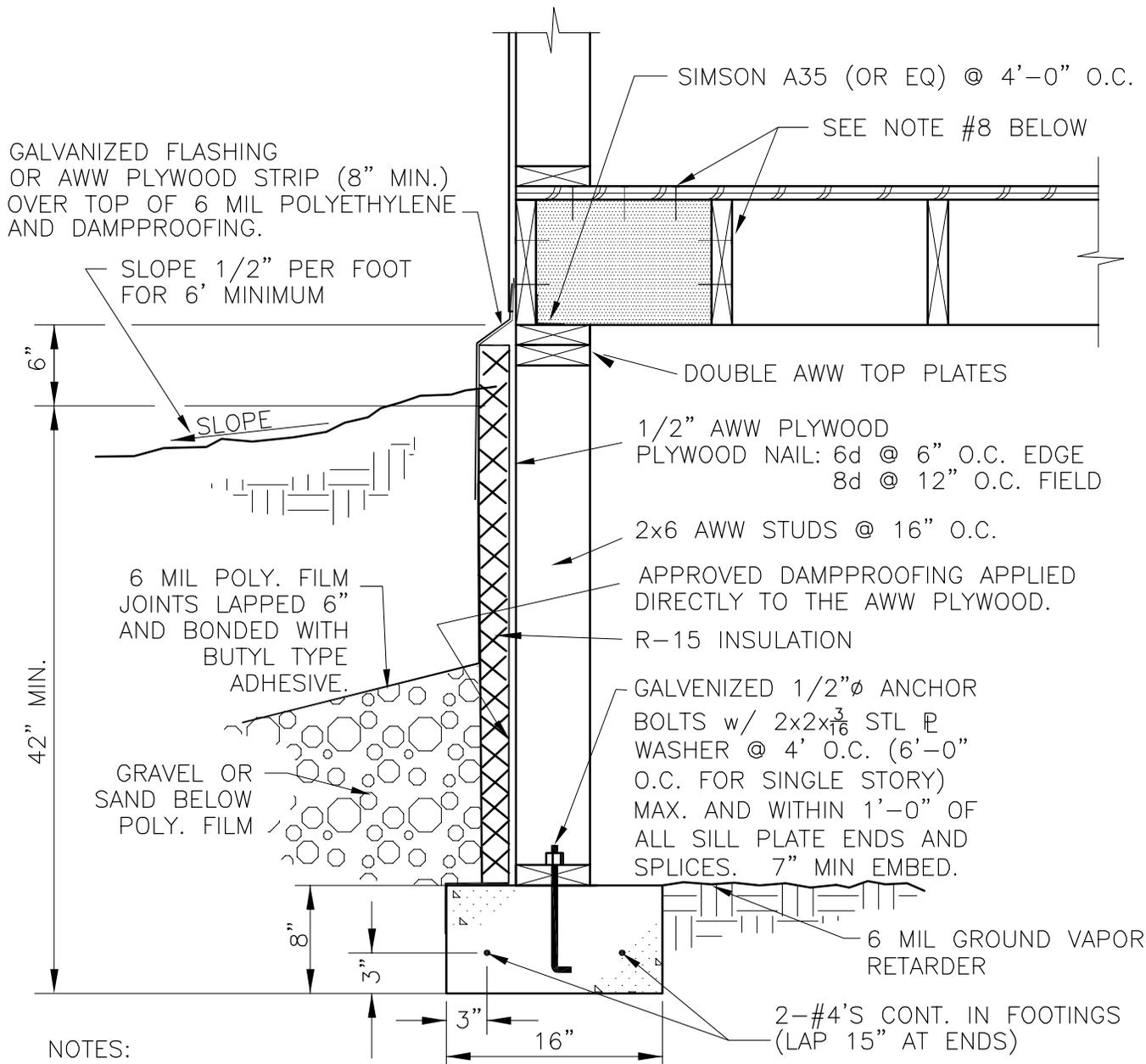
STANDARD RESIDENTIAL FOUNDATIONS	
CRAWL SPACE - CONCRETE BLOCK	SFD-1



NOTES:

1. VERIFY THAT INSPECTION REQUIREMENTS HAVE BEEN MET BEFORE PLACING ANY CONCRETE.
2. DESIGN ASSUMPTIONS: RESIDENTIAL, MAXIMUM OF 2 FLOORS AND 32' BUILDING WIDTH. USE COMPACTED NFS GRAVEL BACKFILL WITH 2000 PSF BEARING CAPACITY, (SEE IRC SECTIONS R403 & 404).
3. CONCRETE AND GROUT: 2500 PSI MINIMUM COMPRESSIVE STRENGTH.
4. REBAR MINIMUMS: GRADE 40, 30 BAR DIAMETER LAP SPLICES.
5. PROVIDE ADEQUATE WALL BRACING BEFORE PLACING BACKFILL.
6. ANCHOR BOLT SPACING AT SILL PLATE MAY BE INCREASED TO A MAXIMUM OF 6'-0" O.C. FOR A SINGLE STORY RESIDENCE.
7. WET SETTING OF VERTICAL REINFORCING IS STRICTLY PROHIBITED.

STANDARD RESIDENTIAL FOUNDATIONS	
CRAWL SPACE - 6" POURED CONC.	SFD-2



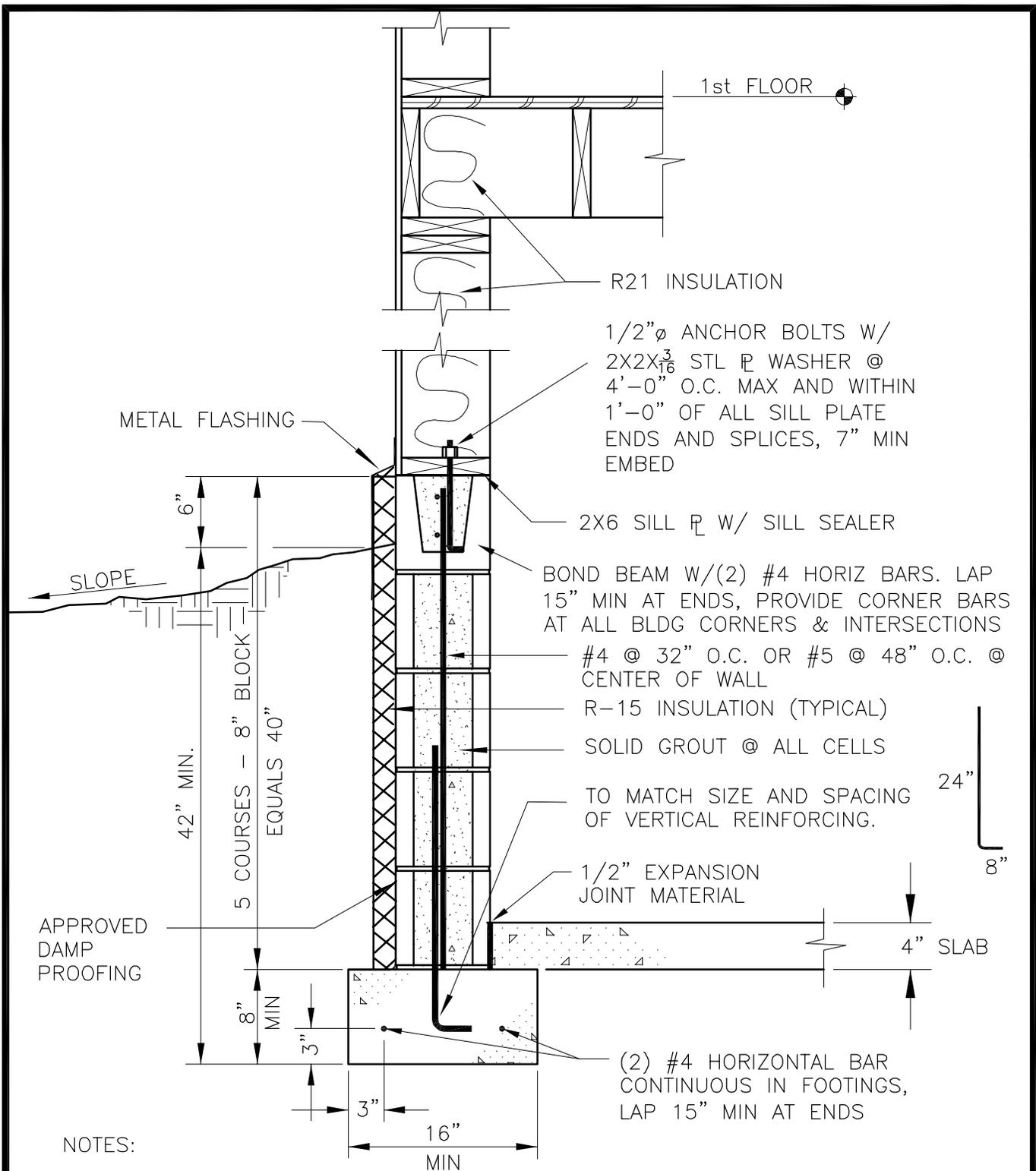
NOTES:

1. VERIFY ALL INSPECTION REQUIREMENTS BEFORE PLACING ANY BACKFILL.
2. DESIGN ASSUMPTIONS: RESIDENTIAL, MAXIMUM OF 2 FLOORS AND 32' BUILDING WIDTH. USE COMPACTED NFS GRAVEL BACKFILL WITH 2000 PSF BEARING CAPACITY.(SEE IRC R403 & 404 AS AMENDED) CONCRETE AND GROUT: 2500 PS
3. REBAR MINIMUMS: 40 GRADE, 30 BAR DIAMETER LAPS.
4. INSTALL BLOCKING PER NOTE #8 BETWEEN RIM JOIST AND ADJACENT PARALLEL JOIST, BEFORE BACKFILLING WALL.
5. USE R-19 INSULATION IF INSTALLED IN WALL CAVITY.
6. ALL WOOD BELOW ANY POINT 6" ABOVE THE ADJACENT GRADE SHALL BE FOUNDATION GRADE AWW.
7. ALL FASTENERS INTO REQUIRED AWW MUST BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
8. FULL DEPTH BLOCKING @ 4'-0" O.C. BETWEEN RIM JOIST AND NEXT JOIST PARALLEL TO THE FOUNDATION WALL. APPROPRIATELY FASTEN BLOCKING TO SUBFLOOR ABOVE AND PLATE BELOW.

AWW FOUNDATION WALL INSPECTIONS:

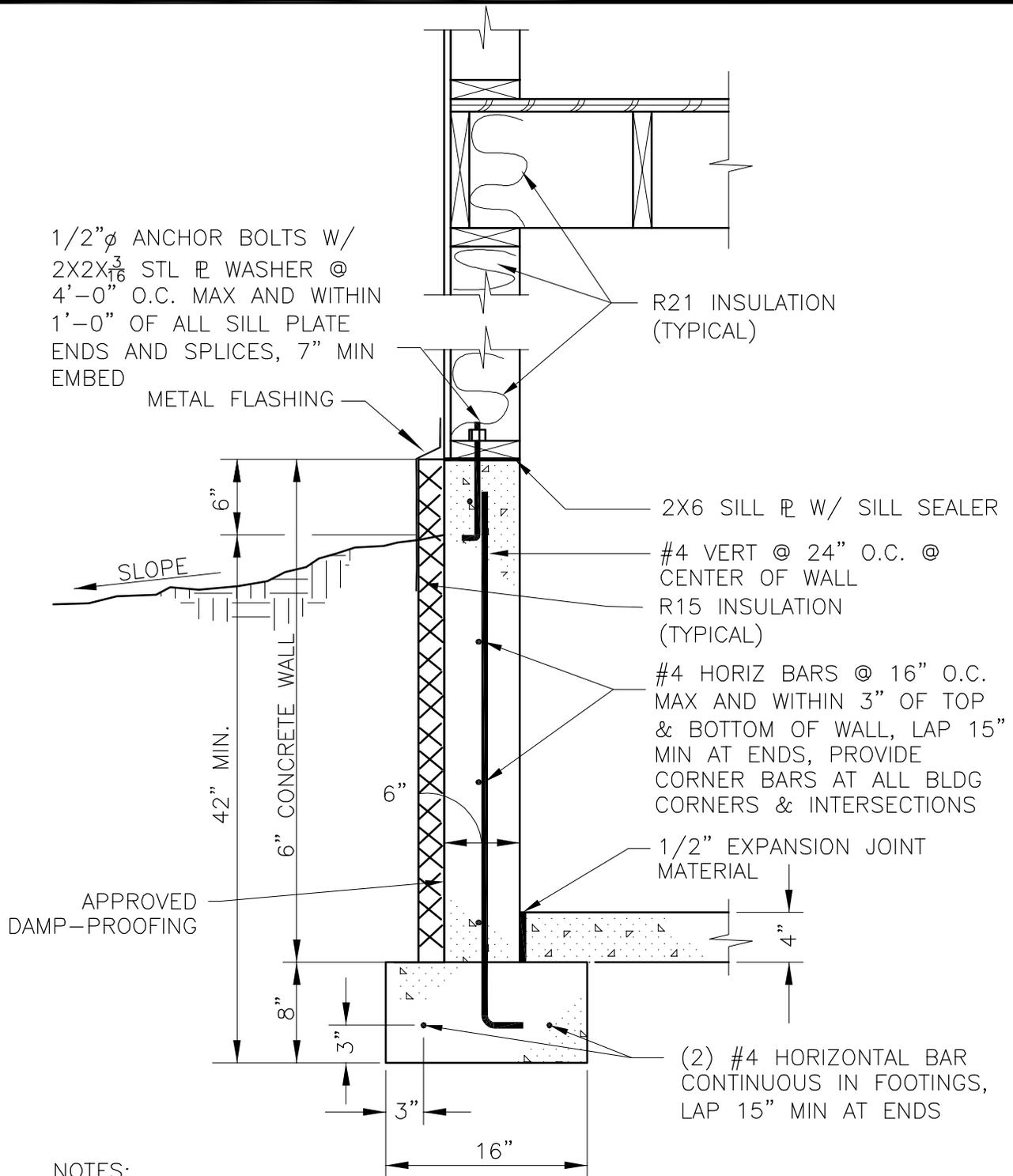
1. THE FIRST INSPECTION IS REQUIRED AFTER ALL WOOD FASTENERS ARE INSTALLED, BEFORE THE DAMPPROOFING IS INSTALLED.
2. THE SECOND INSPECTION IS REQUIRED AFTER THE DAMPROOFING IS INSTALLED.
3. THE THIRD INSPECTION IS REQUIRED AFTER THE NFS BACKFILL IS PLACED AND THE POLY IS IN PLACE, BEFORE BACKFILL OF ANY NATIVE SOIL.

CRAWL SPACE - ALL WEATHER WOOD	SFD-3



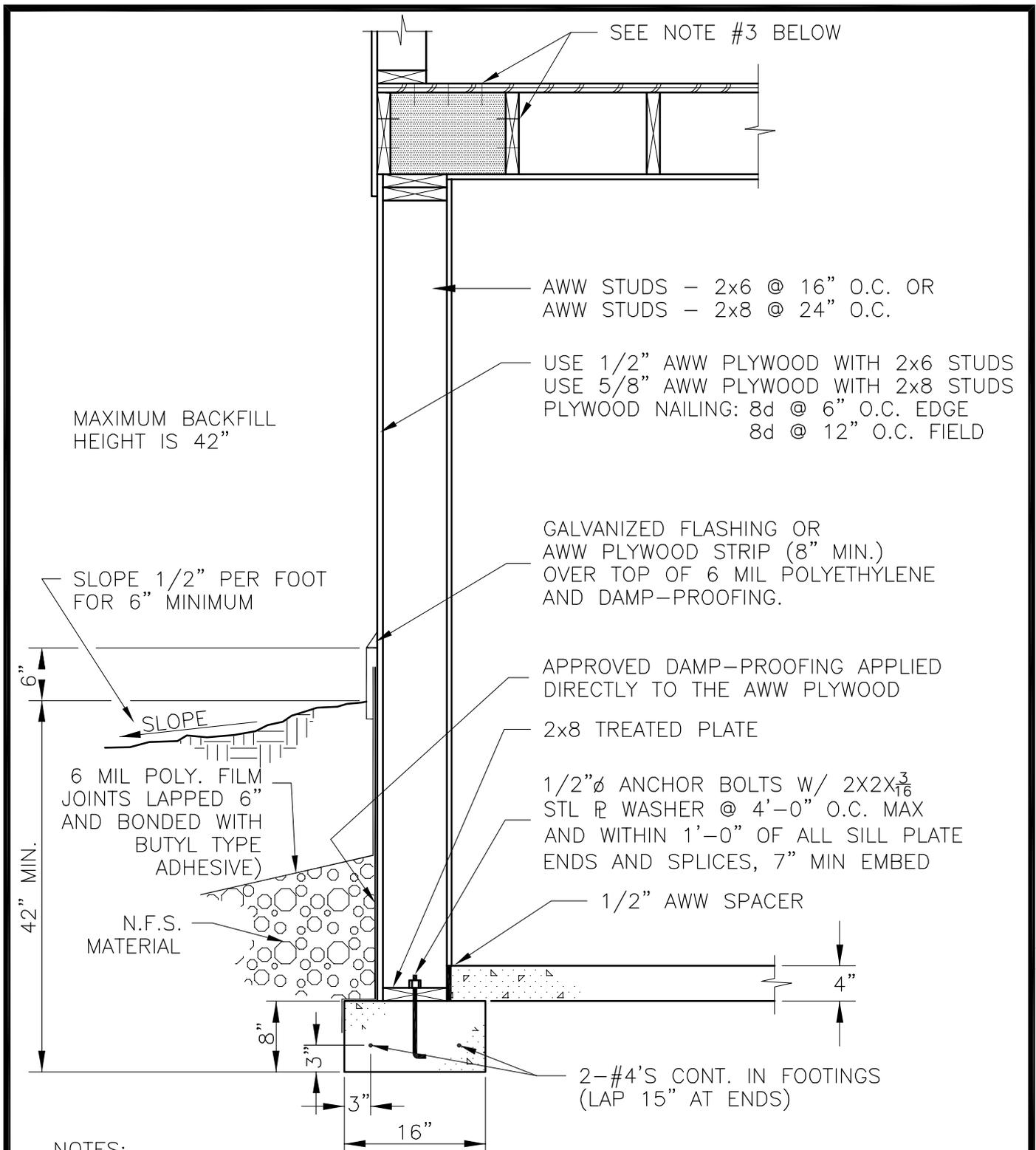
NOTES:

1. VERIFY THAT INSPECTION REQUIREMENTS HAVE BEEN MET BEFORE PLACING ANY CONCRETE.
2. DESIGN ASSUMPTIONS: RESIDENTIAL, MAXIMUM OF 2 FLOORS AND 32' BUILDING WIDTH. USE COMPACTED NFS GRAVEL BACKFILL WITH 2000 PSF BEARING CAPACITY, (SEE IRC SECTIONS R403 & 404).
3. CONCRETE AND GROUT: 2500 PSI MINIMUM COMPRESSIVE STRENGTH.
4. REBAR MINIMUMS: GRADE 40, 30 BAR DIAMETER LAP SPLICES.
5. PROVIDE ADEQUATE WALL BRACING BEFORE PLACING BACKFILL.
6. ANCHOR BOLT SPACING AT SILL PLATE MAY BE INCREASED TO A MAXIMUM OF 6'-0" O.C. FOR A SINGLE STORY RESIDENCE.
7. WET SETTING OF VERTICAL REINFORCING IS STRICTLY PROHIBITED.



NOTES:

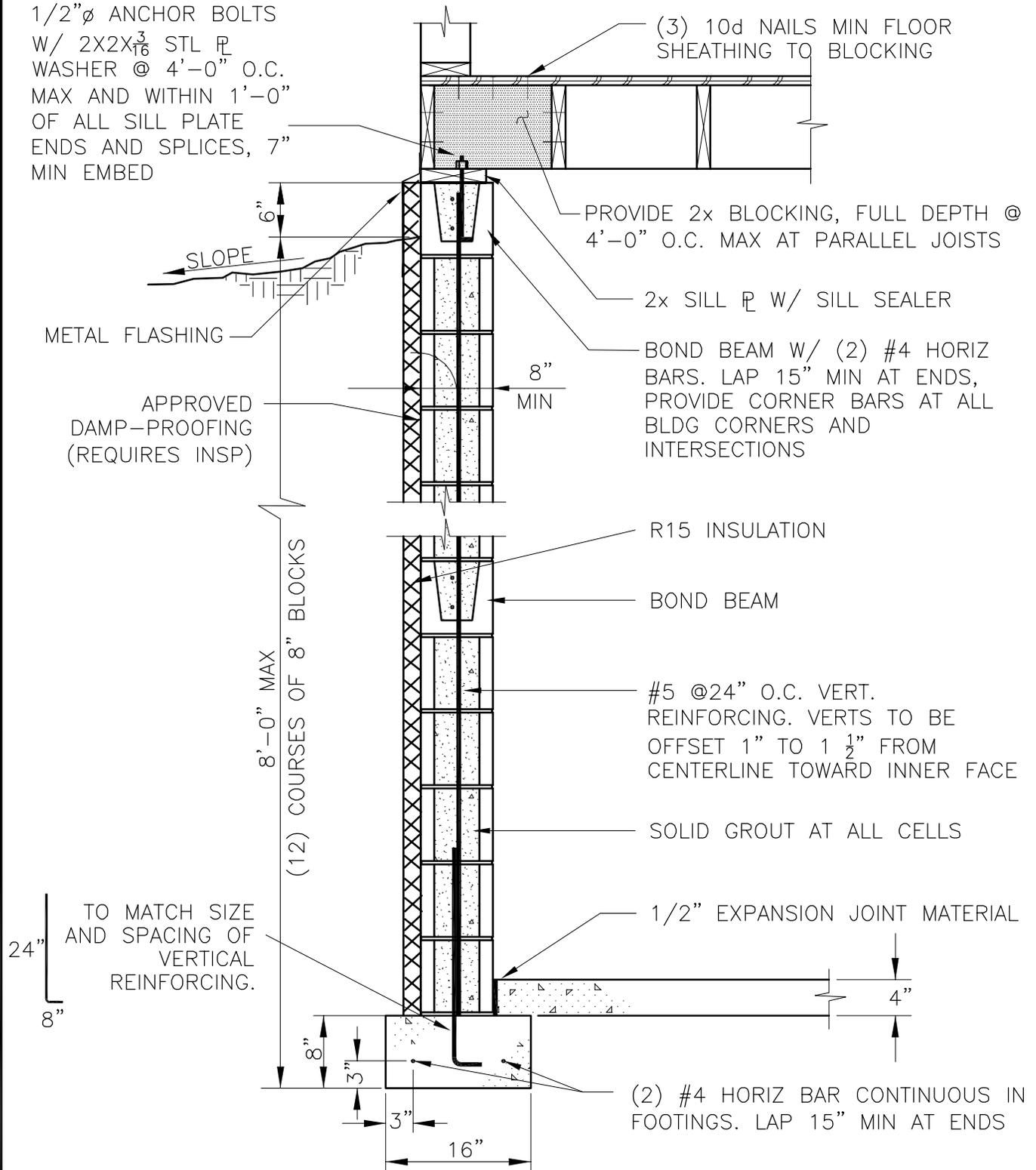
1. VERIFY THAT INSPECTION REQUIREMENTS HAVE BEEN MET BEFORE PLACING ANY CONCRETE.
2. DESIGN ASSUMPTIONS: RESIDENTIAL, MAXIMUM OF 2 FLOORS AND 32' BUILDING WIDTH. USE COMPACTED NFS GRAVEL BACKFILL WITH 2000 PSF BEARING CAPACITY, (SEE IRC SECTIONS R403 & 404).
3. CONCRETE AND GROUT: 2500 PSI MINIMUM COMPRESSIVE STRENGTH.
4. REBAR MINIMUMS: GRADE 40, 30 BAR DIAMETER LAP SPLICES.
5. PROVIDE ADEQUATE WALL BRACING BEFORE PLACING BACKFILL.
6. ANCHOR BOLT SPACING AT SILL PLATE MAY BE INCREASED TO A MAXIMUM OF 6'-0" O.C. FOR A SINGLE STORY RESIDENCE.
7. WET SETTING OF VERTICAL REINFORCING IS STRICTLY PROHIBITED.



NOTES:

1. DESIGN ASSUMPTIONS: RESIDENTIAL, MAXIMUM OF 2 FLOORS AND 32' BUILDING WIDTH. USE COMPACTED NFS GRAVEL BACKFILL WITH 2000 PSF BEARING CAPACITY, (SEE IRC R403 & 404 AS AMENDED) CONCRETE AND GROUT: 2500 PSI MINIMUM.
2. INSULATION AND THERMAL PROVISIONS HAVE BEEN OMITTED FOR CLARITY. REFER TO THE FAIRBANKS AMENDMENTS TO THE IECC FOR MINIMUM REQUIREMENTS.
3. FULL DEPTH BLOCKING @ 4'-0" O.C. BETWEEN RIM JOIST AND NEXT JOIST PARALLEL TO THE FOUNDATION WALL. FASTEN BLOCKING TO SUBFLOOR ABOVE AND PLATE BELOW.
4. OBTAIN INSPECTOR APPROVAL BEFORE COVERING: SHEATHING, DAMPROOFING AND POLY FILM.
5. PROVIDE ADEQUATE WALL BRACING BEFORE PLACING BACKFILL.
6. ALL FASTENERS INTO REQUIRED AWW MUST BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.

1/2"Ø ANCHOR BOLTS
 W/ 2X2X³/₁₆ STL PL
 WASHER @ 4'-0" O.C.
 MAX AND WITHIN 1'-0"
 OF ALL SILL PLATE
 ENDS AND SPLICES, 7"
 MIN EMBED



NOTES:

1. VERIFY THAT INSPECTION REQUIREMENTS HAVE BEEN MET BEFORE PLACING ANY CONCRETE.
2. DESIGN ASSUMPTIONS: RESIDENTIAL, MAXIMUM OF 2 FLOORS AND 32' BUILDING WIDTH. USE COMPACTED NFS GRAVEL BACKFILL WITH 2000 PSF BEARING CAPACITY, (SEE IRC SECTIONS R403 & 404).
3. CONCRETE AND GROUT: 2500 PSI MINIMUM COMPRESSIVE STRENGTH.
4. REBAR MINIMUMS: GRADE 40, 30 BAR DIAMETER LAP SPLICES.
5. PROVIDE ADEQUATE WALL BRACING BEFORE PLACING BACKFILL.
6. ANCHOR BOLT SPACING AT SILL PLATE MAY BE INCREASED TO A MAXIMUM OF 6'-0" O.C. FOR A SINGLE STORY RESIDENCE.

FULL BASEMENT - CONCRETE BLOCK	
SFD-7	

1/2" ϕ ANCHOR BOLTS W/
2X2X $\frac{1}{8}$ " STL P WASHER @
4'-0" O.C. MAX AND WITHIN
1'-0" OF ALL SILL PLATE
ENDS AND SPLICES, 7" MIN
EMBED

SEE NOTE #5 BELOW

METAL FLASHING

2x8 PLATE

SILL SEALER

SLOPE

R15 INSULATION
(TYPICAL)

APPROVED
DAMP-PROOFING
(SEE INSPECTION
REQUIREMENTS)

#4 @ 12" O.C. VERT. REBAR OR
#5 @ 16" O.C., LAP 19" OR #6 @
24" O.C., LAP 24" (VERTICAL BARS
TO BE CENTERED)

8" CONCRETE WALL = 8'-0"

#4 @ 12" O.C. HORIZ. REBAR
(LAP 15" AT ENDS)
(TOP AND BOTTOM BARS TO BE
APPROX. 3" FROM TOP AND
BOTTOM.)

1/2" EXPANSION JOINT MATERIAL

24"
8"
TO MATCH SIZE
AND SPACING OF
VERTICAL
REINFORCING.

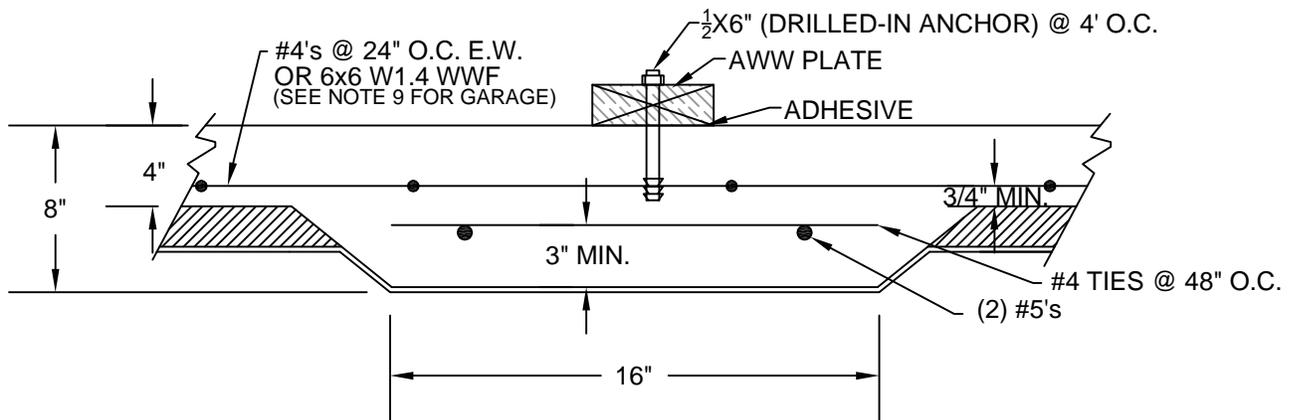
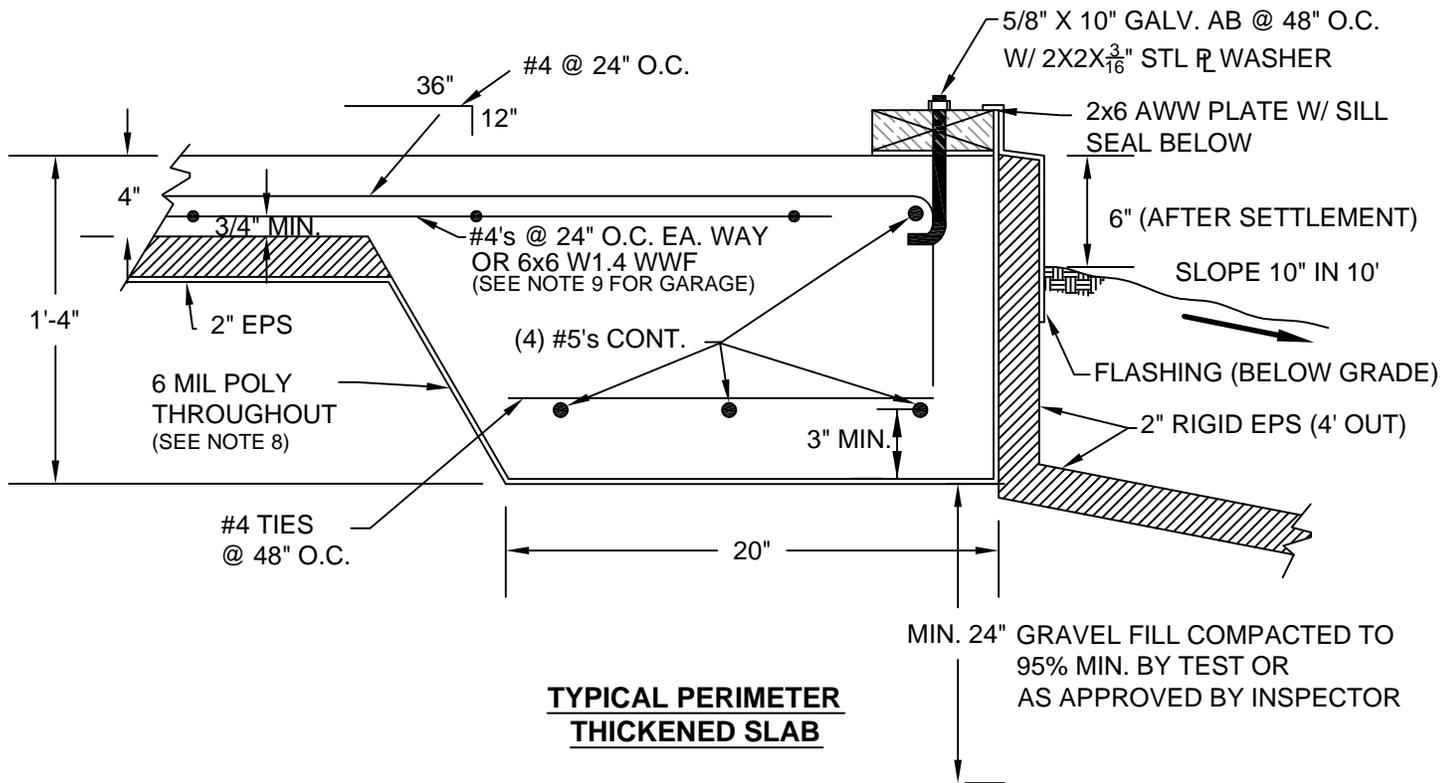
2-#4'S CONT. IN FOOTINGS
(LAP 15" AT ENDS)

NOTES:

1. OBTAIN INSPECTOR APPROVAL BEFORE PLACING ANY BACKFILL.
2. DESIGN ASSUMPTIONS: RESIDENTIAL, MAXIMUM OF 2 FLOORS AND 32' BUILDING WIDTH. USE COMPACTED NFS GRAVEL BACKFILL WITH 2000 PSF BEARING CAPACITY. (SEE IRC R403 & 404 AS AMENDED). CONCRETE AND GROUT: 2500 PSI MINIMUM.
3. REBAR MINIMUMS: 40 GRADE, 30 BAR DIAMETER LAPS.
4. PROVIDE ADEQUATE WALL BRACING BEFORE PLACING BACKFILL.
5. FULL DEPTH BLOCKING @ 4'-0" O.C. BETWEEN RIM JOIST & NEXT JOIST PARALLEL TO THE FOUNDATION WALL. APPROPRIATELY FASTEN BLOCKING TO SUBFLOOR ABOVE AND PLATE BELOW.
6. WET SETTING OF VERTICAL REINFORCING IS STRICTLY PROHIBITED.

FULL BASEMENT - 8" POURED CONC.

SFD-8



NOTES / LIMITATIONS:

1. 1 STORY MAX. WITH UNDER 1000 SF. MAX 600 SF GARAGE.
2. VERIFY INSPECTION REQUIREMENTS BEFORE PLACING ANY BACKFILL.
3. CONCRETE: 3000 PSI MINIMUM. REBAR MINIMUMS: GRADE 40, 30 BAR DIAMETER LAPS.
4. TOP OF SLAB TO BE A MINIMUM OF 17" ABOVE IMPROVED STREET ELEVATION.
5. EXCAVATE TO SILTY SAND OR GRAVEL & CALL FOR SOILS INSPECTION.
6. COMPACT IN 8" LIFTS & VERIFY 95% MINIMUM BY TEST OR AS APPROVED BY INSPECTOR.
7. INSULATION SHOWN IS MINIMUM & MAY NOT SATISFY ENERGY RATING REQUIREMENTS.
8. OMIT 12"X20' POLY VB BENEATH 20' #4 AWG GROUNDING ELECTRODE CONDUCTOR.
9. GARAGE SLAB REINFORCING TO BE #4's @ 16" O.C. EA. WAY OR 6x6 W2.1 WWF.
10. ALTERNATIVES TO THESE DESIGN LIMITATIONS MUST BE APPROVED BY AN AK REGISTERED ENGINEER.

**Approved: City of North Pole
May 1, 2015**

CITY OF NORTH POLE	
STANDARD RESIDENTIAL FOUNDATIONS	
SLAB ON GRADE	SFD-9