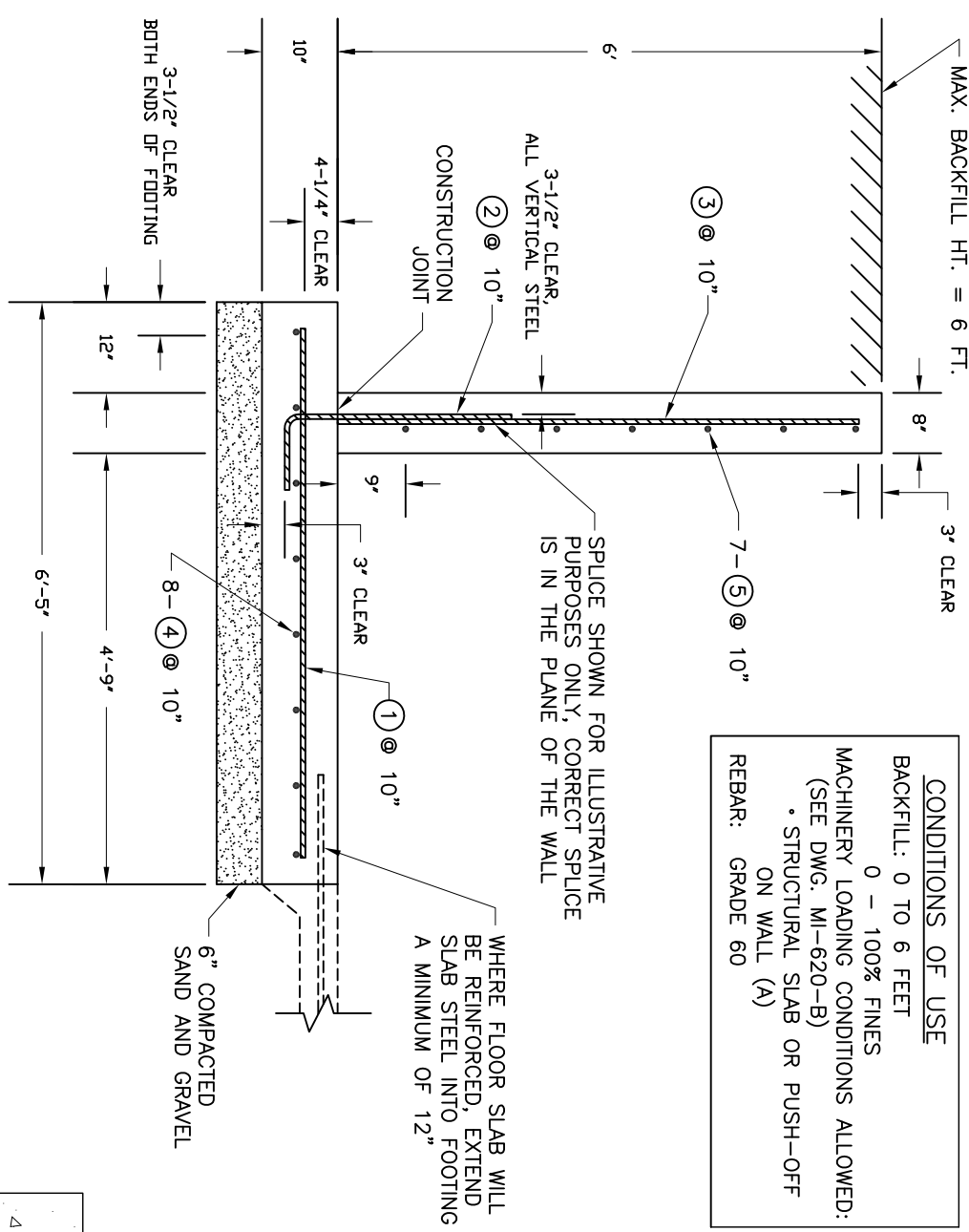


MAX. BACKFILL HT. = 6 FT.



**CONDITIONS OF USE**  
 BACKFILL: 0 TO 6 FEET  
 0 - 100% FINES  
 MACHINERY LOADING CONDITIONS ALLOWED:  
 (SEE DWG. MI-620-B)  
 • STRUCTURAL SLAB OR PUSH-OFF  
 ON WALL (A)  
 REBAR: GRADE 60

WHERE FLOOR SLAB WILL  
 BE REINFORCED, EXTEND  
 SLAB STEEL INTO FOOTING  
 A MINIMUM OF 12"

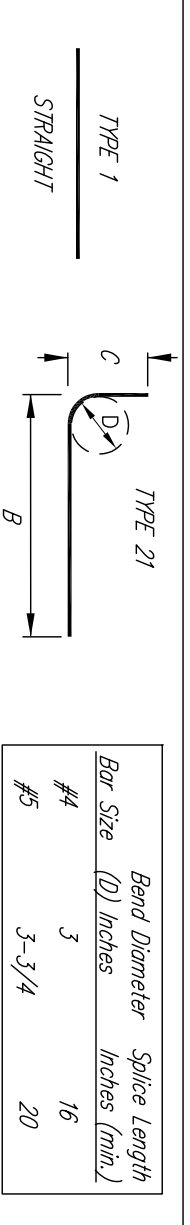
SPLICE SHOWN FOR ILLUSTRATIVE  
 PURPOSES ONLY, CORRECT SPLICE  
 IS IN THE PLANE OF THE WALL

**DESIGN VALUES**

EARTH BACKFILL: 85 PSF/FT, EQUIVALENT FLUID PRESSURE  
 110 PCF (SOIL WEIGHT) AND >50% FINES  
 MANURE: 65 PSF/FT, EQUIVALENT FLUID PRESSURE  
 MACHINERY LOADING: 0 PSF EQUIVALENT FLUID PRESSURE  
 ULTIMATE STRENGTH DESIGN (ACI 318-99)  
 CONCRETE STRENGTH: 3,500 PSI REBAR: GRADE 60  
 COEFF. FRICTION (SOIL/CONCRETE) = 0.43  
 MINIMUM SLIDING FACTOR OF SAFETY = 1.5 (ADDITIONAL RESTRAINT MAY BE NEEDED)  
 WALL SLIDING RESTRAINT REQUIRED  
 MINIMUM OVERTURNING FACTOR OF SAFETY = 2.0  
 MIN. ALLOWABLE SUBGRADE BEARING CAPACITY = 2000 PSF  
 VERTICAL WALL LOAD FOR SLABS BEARING ON WALL OR  
 PUSHOFFS = 1000 LBS./FT.  
 NOT DESIGNED TO SUPPORT BUILDINGS OR ROOFS  
 MAXIMUM UNJOINTED WALL LENGTH = 60 FT.

MICHIGAN ENGINEERING STANDARD DRAWING  
 FILE NAME MI-622-B 4-13.dwg  
 STANDARD DWG. NO. MI-622-B  
 DATE 4-13 SHEET 1 OF 1

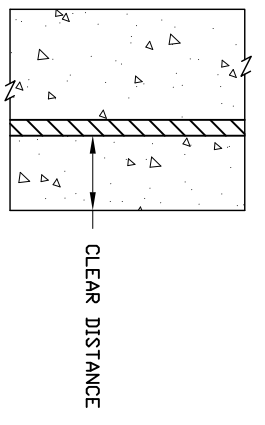
*This standard drawing may only be used where it is part of site-specific construction drawings approved by a person authorized through federal or state law to approve engineering drawings. Generic approval of this standard drawing by NRCS noted in the lower left hand corner is NOT an endorsement of its use at a specific site.*



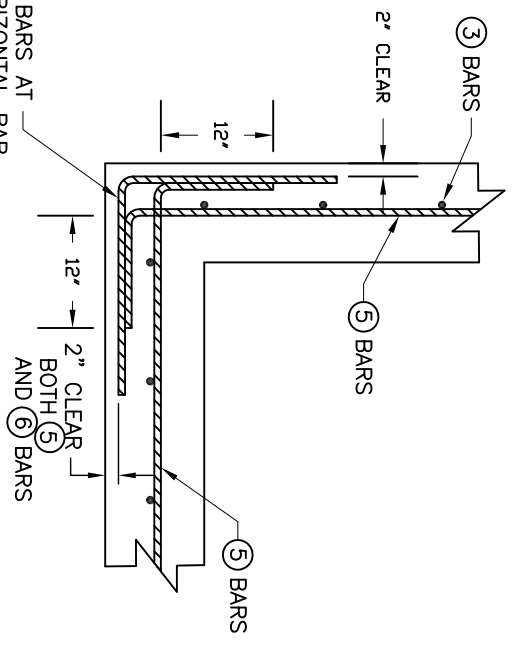
**BAR SCHEDULE**

| MARK | SIZE | QUANTITY | LENGTH | TOTAL LENGTH | TYPE | B     | C     | LOCATION     |
|------|------|----------|--------|--------------|------|-------|-------|--------------|
| 1    | #5   | 1        | 5'-10" |              | 1    |       |       | Footing      |
| 2    | #5   | 21       | 3'-4"  |              | 21   | 2'-6" | 10"   | Wall/Footing |
| 3    | #4   | 1        | 5'-9"  |              | 1    |       |       | Wall         |
| 4    | #4   | 1        |        |              | 1    |       |       | Footing      |
| 5    | #4   | 21       |        |              | 21   |       |       | Wall/Footing |
| 6    | #4   | 21       | 4'-0"  |              | 21   | 2'-0" | 2'-0" | Wall/Footing |

\* IF TWO BARS OF DIFFERENT DIAMETER ARE SPLICED, USE THE LONGER SPLICE LENGTH. LINEAL FEET OF WALL



CLEAR DISTANCE IS THE  
 SPACE MEASURED FROM  
 SIDE OF REBAR  
 CLOSEST TO THE FORM  
 TO INSIDE OF FORM



PLACE #3 BARS AT  
 EACH HORIZONTAL BAR  
 IN TOP 3' OF WALL ONLY  
 (4 #5 BARS PER CORNER  
 TOTAL)

**CORNER BAR SCHEMATIC**  
 PLAN VIEW - TOP 3 FEET  
 OF WALL SHOWN

**CORNER NOTES**

1. PLACE FIRST VERTICAL BAR AT WALL CORNER OR NO FURTHER THAN ONE-HALF BAR SPACING FROM THE INSIDE CORNER.
2. HOOK CAN BE SEPARATE FROM #5 BARS, PROVIDED THAT MINIMUM LAP SPLICE OF 16" FOR #4 BARS IS MET.
3. SEE WALL SECTION FOR EXACT LOCATIONS OF #3 AND #5 BARS.

DIMENSION IN INCHES OR FEET-INCHES

NOT TO SCALE



6-FOOT L WALL  
 Co., Michigan  
 Township, T. -R. , Sec.

Date \_\_\_\_\_  
 Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked \_\_\_\_\_  
 Approved \_\_\_\_\_

File Name  
 Drawing Name MI-622-B  
 Sheet \_\_\_\_\_ of \_\_\_\_\_