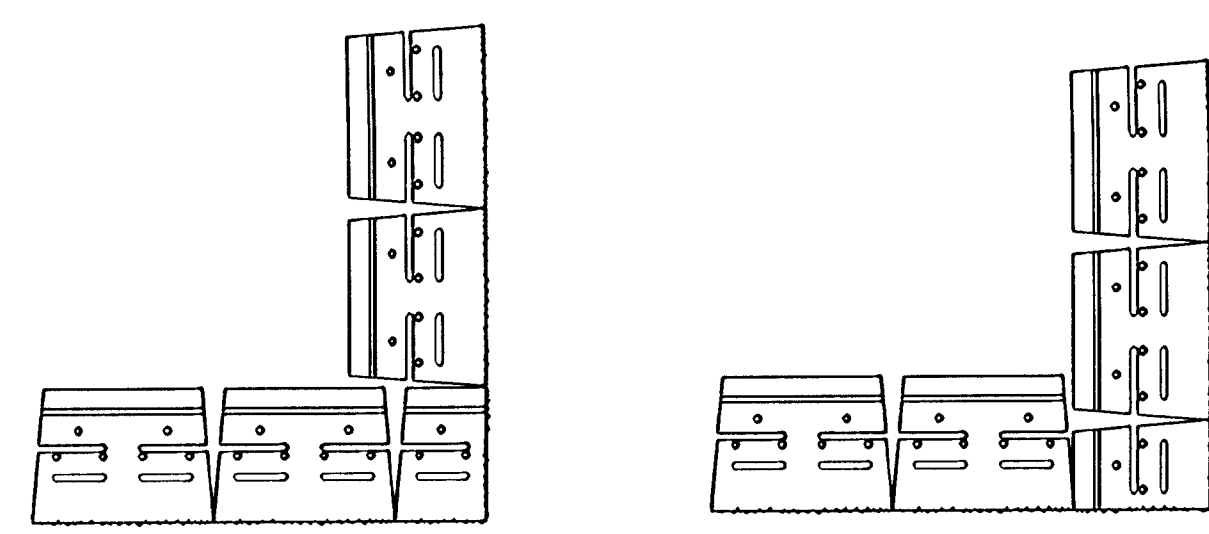
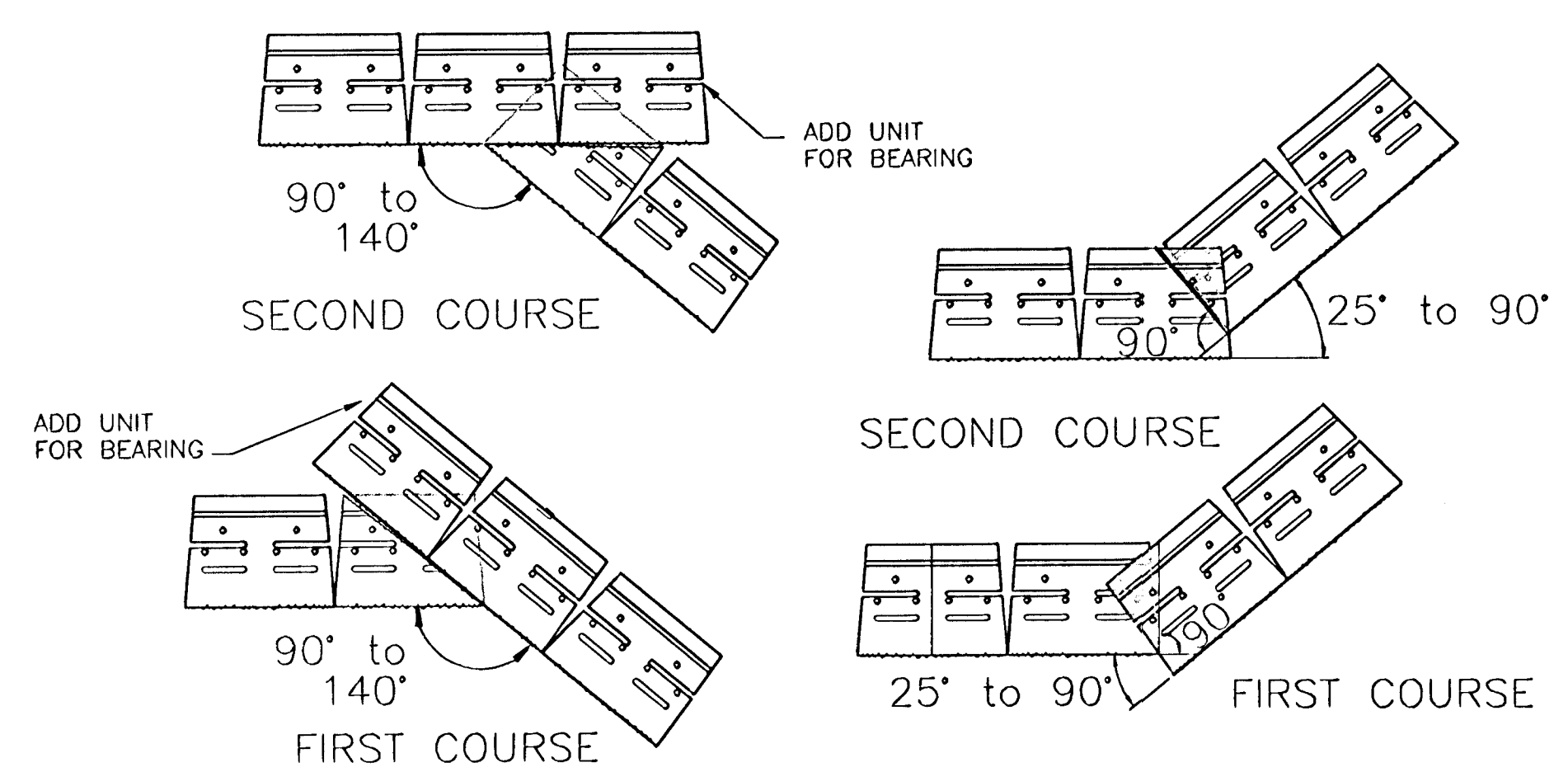


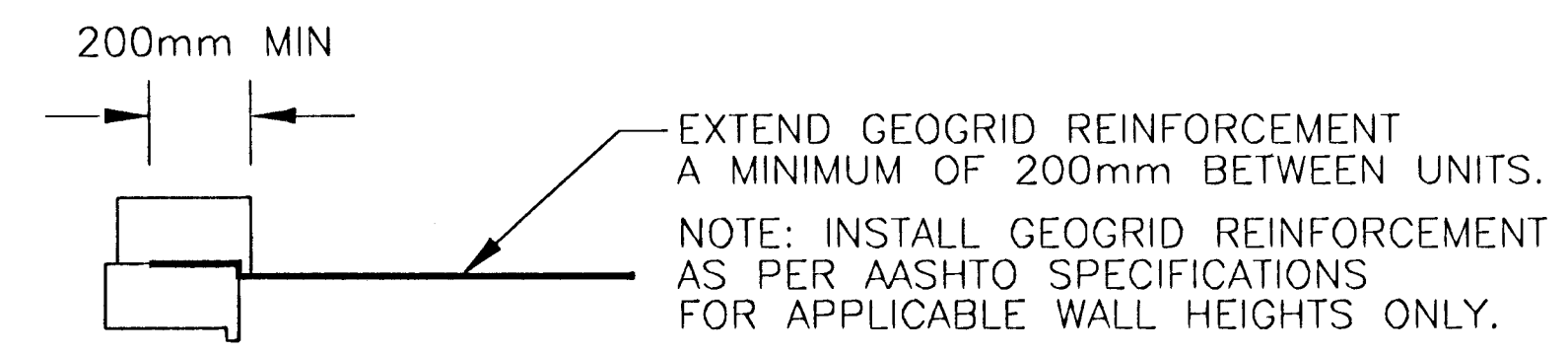
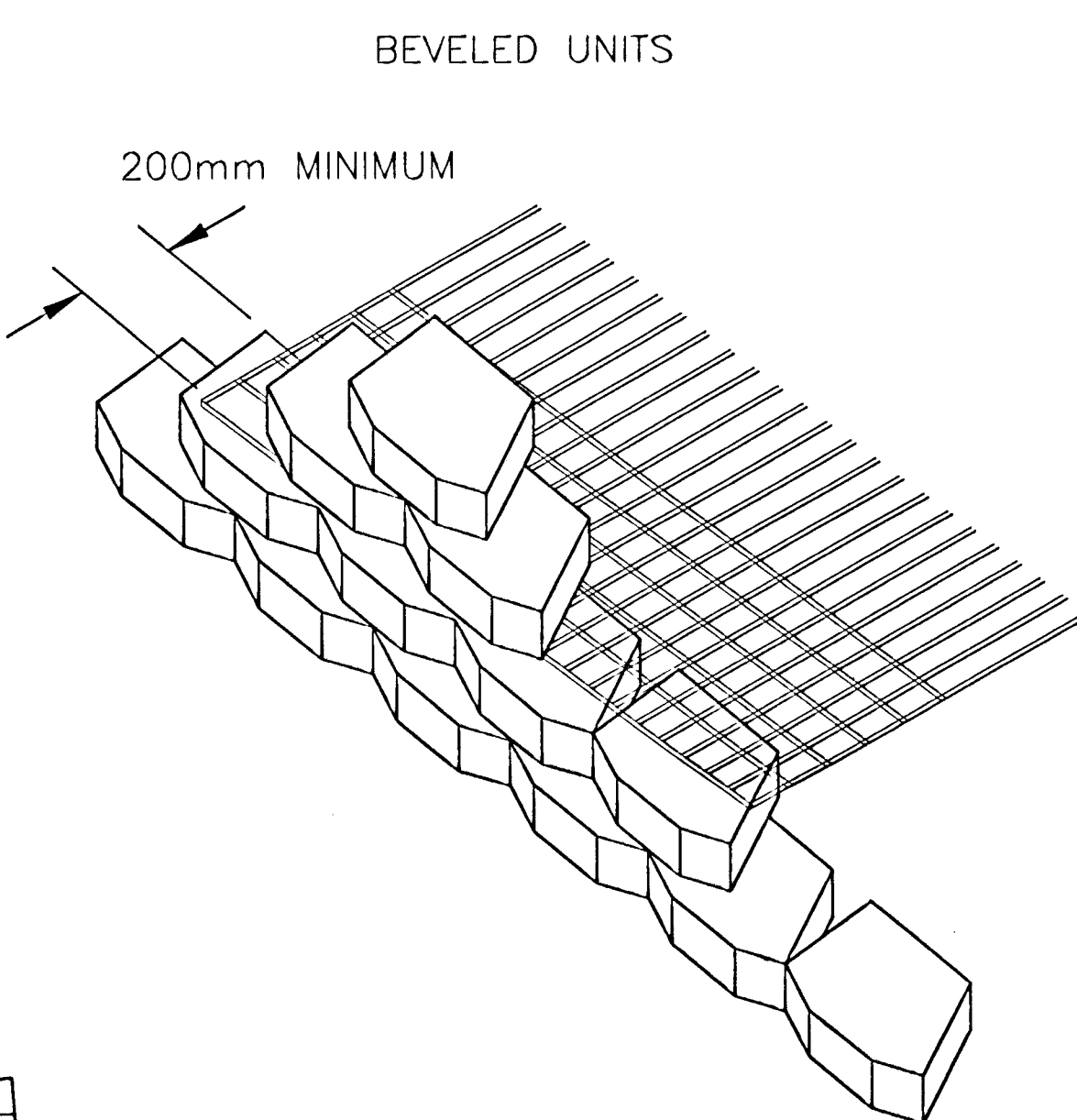
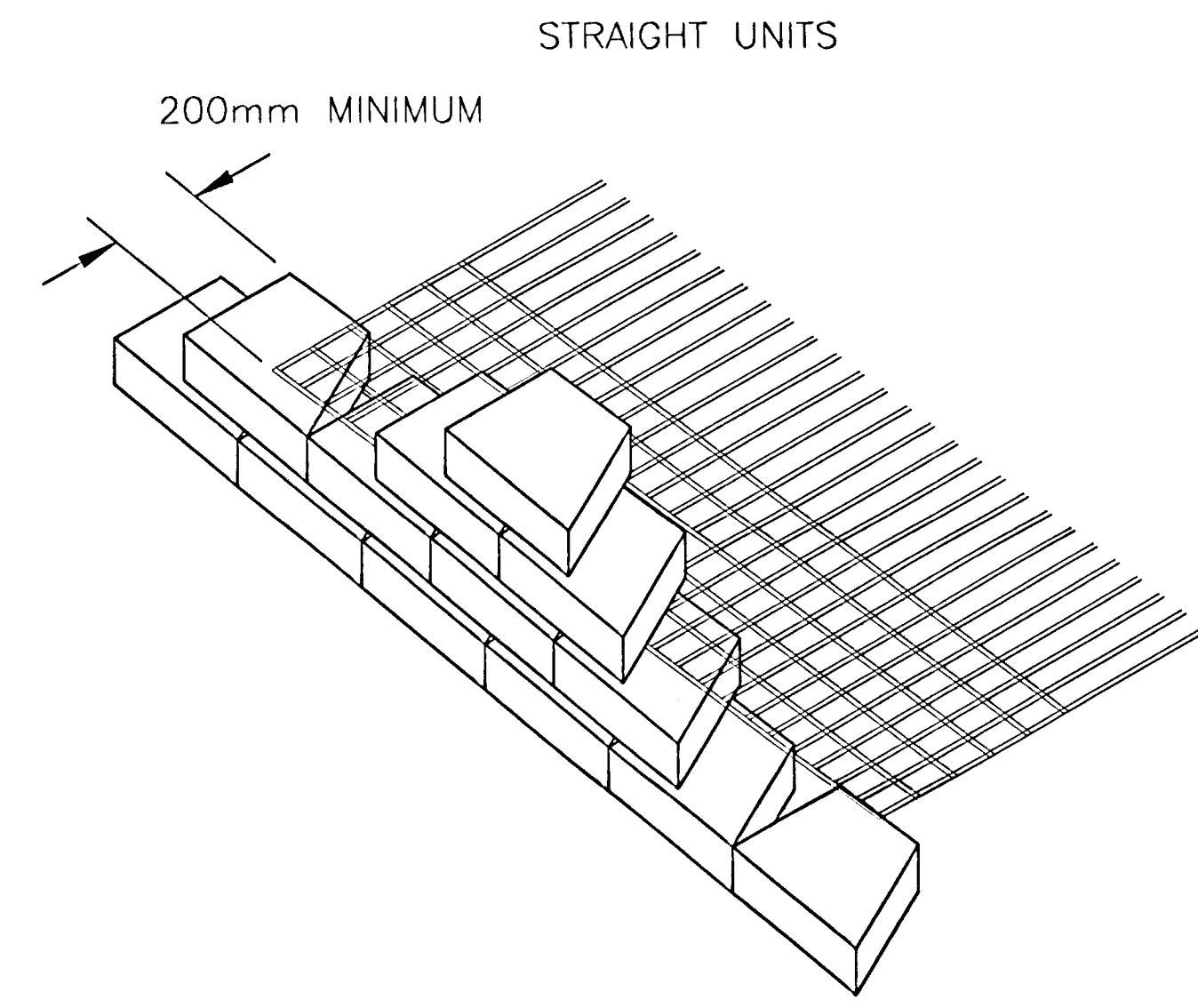
FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87-N-0223-01	2002	10	56



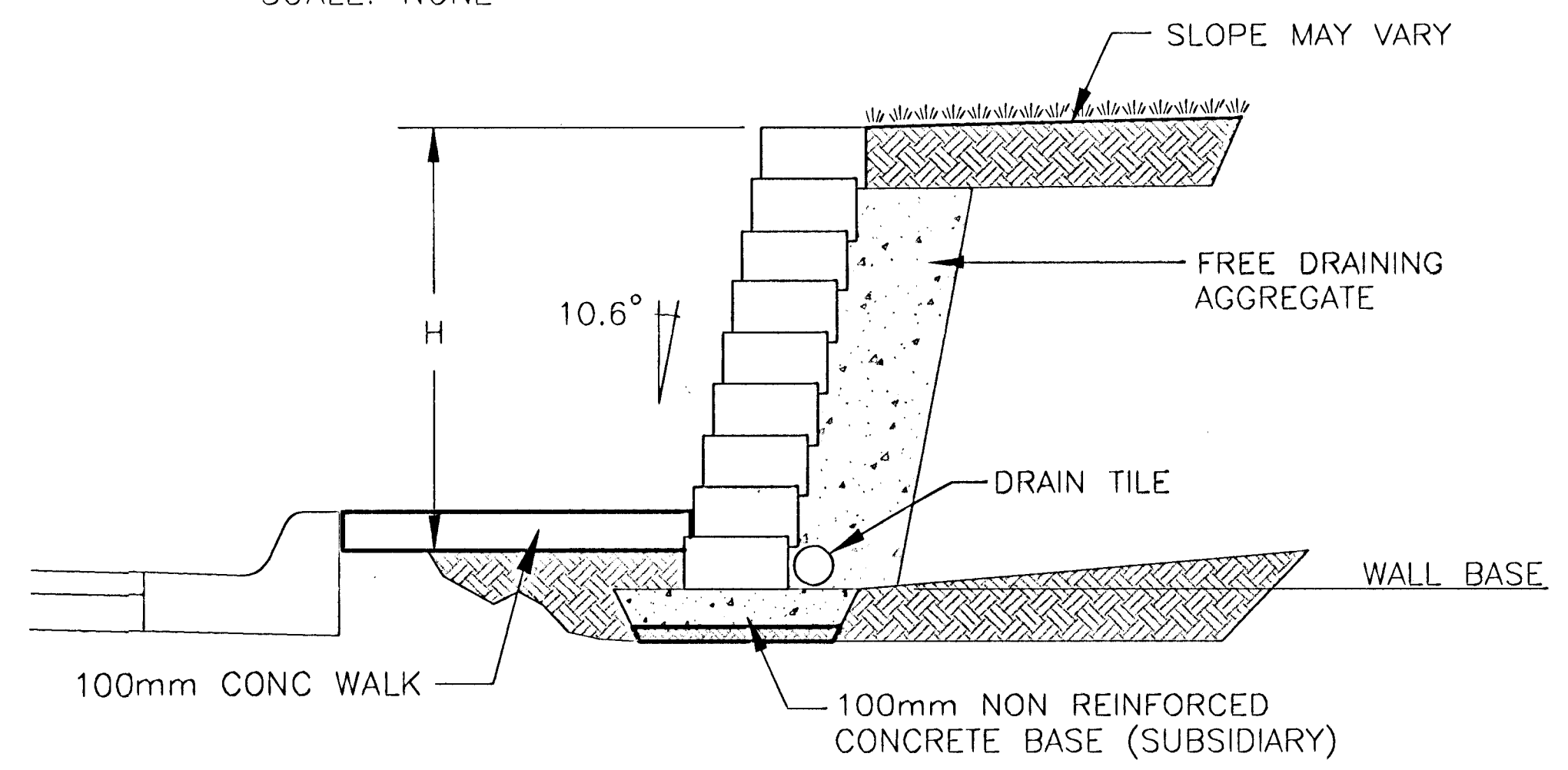
FIRST COURSE SECOND COURSE  
**CORNER DETAIL A**  
 90 DEGREE OUTSIDE CORNER  
 SCALE: NONE



90° to 140° 25° to 90°  
 SECOND COURSE FIRST COURSE  
**CORNER DETAIL B**  
 OBLIQUE ANGLE CORNERS  
 SCALE: NONE



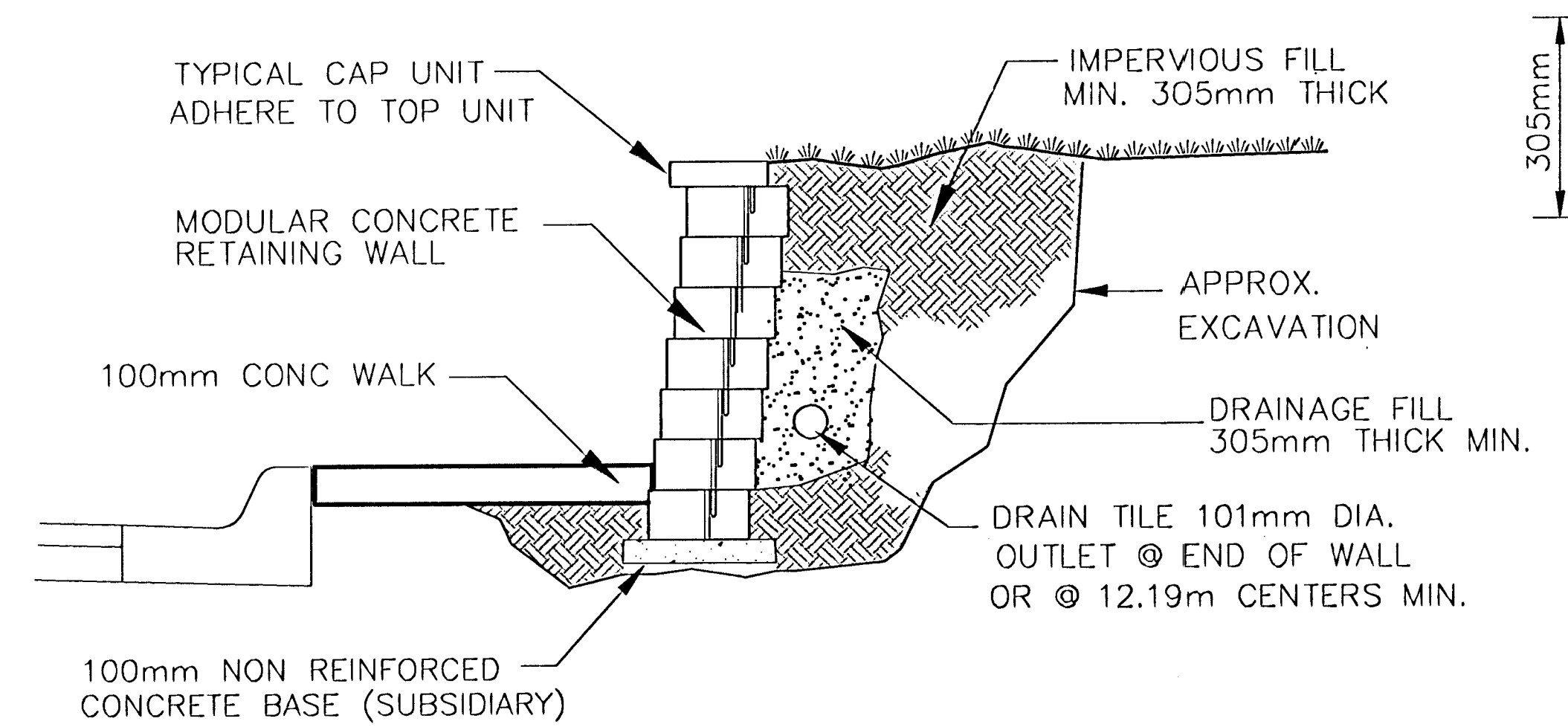
**CONNECTION DETAIL**  
 SCALE: NONE



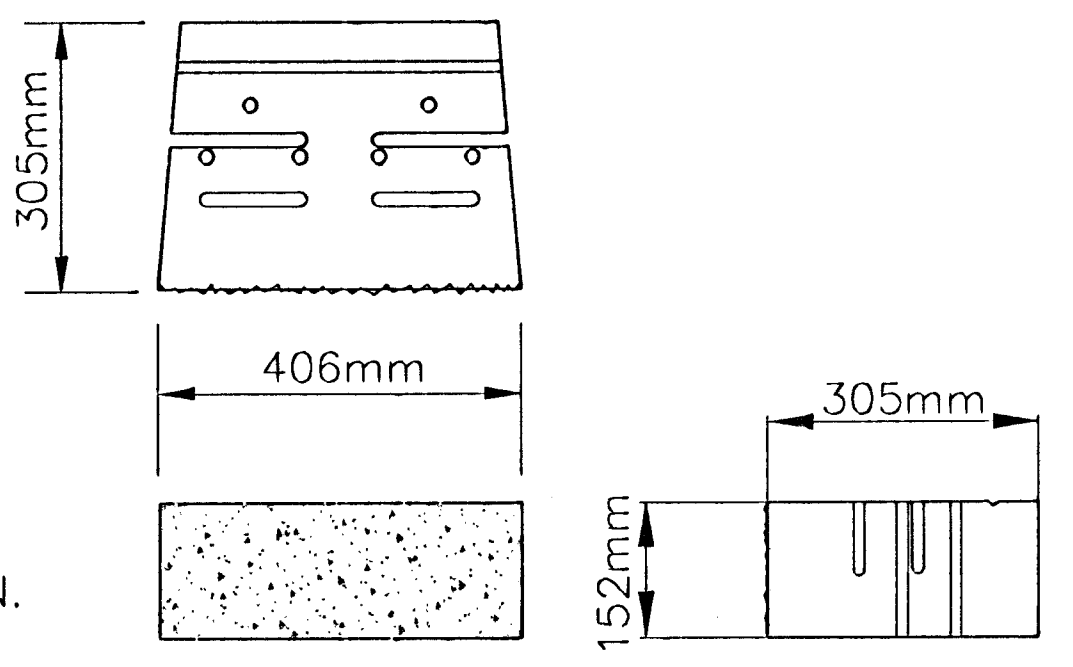
**UNREINFORCED WALL DETAIL**  
 SCALE: NONE

**GENERAL NOTES**

1. STRIP ALL VEGETATION AND ORGANIC SOIL FROM THE WALL AND GRID ALIGNMENT.
  2. BENCH CUT ALL EXCAVATED SLOPES.
  3. DO NOT OVER EXCAVATE UNLESS DIRECTED BY SITE SOIL ENGINEER TO REMOVE UNSUITABLE SOIL.
  4. SITE SOIL ENGINEER SHALL VERIFY FOUNDATION SOILS AS BEING COMPETENT PER THE DESIGN STANDARDS AND PARAMETERS.
  5. BASE SHALL CONSIST OF NON-REINFORCED CONCRETE, MINIMUM 100mm THICK.
  6. CONTRACTOR MAY OPT FOR A CONCRETE FOOTING. CONCRETE FOOTING SHALL BE UNREINFORCED, DEPTH OF CONCRETE (APPROXIMATELY 1" TO 2") AND COMPACTED SOIL BASE SHALL NOT BE LESS THAN 6" THICK.
  7. MINIMUM EMBEDMENT OF WALL BELOW FINISH GRADE SHALL BE 300mm FOR WALL HEIGHTS FROM 1.2m AND UP, 150mm BELOW 1.2m UNLESS SHOWN DIFFERENTLY.
  8. FOLLOW APPLICABLE PROVISIONS OF THE MANUFACTURERS INSTALLATION INSTRUCTIONS AND AASHTO SPECIFICATIONS.
  9. DRAINAGE FILL 300mm THICK SHALL BE INSTALLED BEHIND THE WALL TO WITHIN 450mm OF THE TOP OF THE WALL.
  10. WHERE DRAIN TILE IS USED PROVIDE OUTLETS @ MIN. 12.2m CC.
  11. BACKFILL AND COMPACT IN FRONT OF THE WALL AS WALL IS INSTALLED.
  12. COMPACTION TESTS SHALL BE TAKEN AS THE WALL IS INSTALLED. THE MINIMUM NUMBER OF TESTS SHALL BE DETERMINED BY THE SITE SOILS ENGINEER.
  13. COMPACTION SHALL BE TO 95% OF MAXIMUM STANDARD PROCTOR DENSITY.
  14. SEE ELEVATION FOR GEOGRID TYPE, LENGTH AND LOCATION IF REQUIRED.
  15. GEOGRID SHALL BE THE TYPE AND LENGTH AS SHOWN. PULL GEOGRID TIGHT PRIOR TO BACKFILLING.
  16. PROVIDE LATERAL DRAINAGE SWALES TO DIRECT FLOWS AROUND THE ENDS OF THE WALL.
  17. ESTABLISH TURF AS SOON AS THE WALL IS COMPLETED.
  18. FINAL WALL ALIGNMENT SHALL BE LOCATED IN THE FIELD.
- IF DIFFERENT CONDITIONS EXIST, THE CONTRACTOR MUST CONTACT THE FIELD ENGINEER PRIOR TO CONSTRUCTION OF THE RETAINING WALL.



**TYPICAL SECTION-UNREINFORCED**  
 MODULAR CONCRETE RETAINING WALL  
 SCALE: NONE



**TYPICAL UNIT**  
 UNIT DIMENSIONS  
 SCALE: NONE

PROJECT NUMBER 472-83781		SHEET NAME RETIDTL		ENGINEERING DIRECTORY F:\HarryMcLean\Details	
DESIGN STAFF	DRAWN STAFF	APPROVED JFB	DATE Oct 03	SCALE None	B\UGHMAN\NO 01-03-E943

CAPITAL IMPROVEMENT PROJECT  
**RETAINING WALL DETAIL**  
 HARRY & MCLEAN INTERSECTION IMPROVEMENTS

**BAUGHMAN COMPANY, P.A.**  
 ENGINEERING, SURVEYING, & PLANNING  
 318-282-7271 • 315 ELLIS • WICHITA, KANSAS 67211