

GENERAL NOTES:

MOHAVE COUNTY MAKES NO REPRESENTATIONS AND ASSUMES NO RESPONSIBILITY OR LIABILITY IN PROVIDING THIS STANDARD DETAIL. OWNERS/APPLICANTS AND PROFESSIONALS USING THIS DETAIL SHALL ASSUME FULL RESPONSIBILITY FOR ITS DESIGN.

OWNERS/APPLICANTS ARE ENCOURAGED TO CONSULT WITH A PROFESSIONAL ENGINEER OR ARCHITECT LICENSED BY THE STATE OF ARIZONA REGARDING THE NEEDS FOR THEIR PROJECT. AN ENGINEER OR ARCHITECT LICENSED BY THE STATE OF ARIZONA COULD DETERMINE DIFFERENT DETAILS OR SPECIFICATIONS.

OWNER/APPLICANT/BUILDER IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS AT THE FOOTING'S BEARING SURFACE AND IS SOLELY RESPONSIBLE FOR THE PERFORMANCE OF FOOTING.

DESIGN SPECIFICATIONS:

2018 EDITION OF THE INTERNATIONAL BUILDING CODE W/ MOHAVE COUNTY AMMENDMENTS (IBC).

CONSTRUCTION SPECIFICATIONS:

CURRENT EDITION OF THE MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

SOIL TYPES:

SOIL TYPE A: SANDY GRAVEL AND GRAVEL (GW AND GP)

SOIL TYPE B: SAND, SILTY SAND, SILTY GRAVEL, AND CLAYEY GRAVEL (SW, SP, SM, GM, AND GC)

SOIL TYPE C: CLAY, SANDY CLAY, SILTY CLAY, SILT, SANDY SILT, AND CLAYEY SAND (CL, ML, MH, CH, AND SC)

SOIL TYPE DETERMINATION:

SOIL TYPE DETERMINATION FOR USE WITH THESE STANDARDS SHALL BE THE RESPONSIBILITY OF THE OWNER. THE OWNER OR OWNER'S REPRESENTATIVE SHALL SUBMIT A LETTER TO THE COUNTY STATING WHAT SOIL TYPES ARE PRESENT ON-SITE. THIS LETTER SHALL BEAR A SEAL AND SIGNATURE FROM A REGISTERED ENGINEER IN THE STATE OF ARIZONA.

IF NO LETTER IS SUBMITTED, WALL TYPES SHOWN DESIGNED USING SOIL TYPE C MAY BE USED WITHOUT A SIGNED AND SEALED LETTER.

DESIGN LOADS:

WIND LOADS (PER ASCE 7-16):
BASIC WIND SPEED = 115 MPH
RISK CATEGORY = II
IMPORTANCE FACTOR (Iw) = 1.0
EXPOSURE = "C"
DESIGN WIND PRESSURE = 31 PSF

LIVE LOADS:

2 FT EQUIVALENT SOIL HEIGHT CONSIDERED FOR WALL TYPE II, IIA, & IV.

EARTH LOADS:

PASSIVE PRESSURE = 200 PCF
SOIL TYPE A:
WEIGHT OF BACKFILL = 120 PCF
EQUIVALENT FLUID FOR ACTIVE SOIL PRESSURE = 35 PCF
COEFFICIENT OF FRICTION = 0.35
SOIL TYPE B:
WEIGHT OF BACKFILL = 120 PCF
EQUIVALENT FLUID FOR ACTIVE SOIL PRESSURE = 45 PCF
COEFFICIENT OF FRICTION = 0.25
SOIL TYPE C:
WEIGHT OF BACKFILL = 120 PCF
EQUIVALENT FLUID FOR ACTIVE SOIL PRESSURE = 60 PCF
COEFFICIENT OF FRICTION = 0.25

MASONRY:

CONCRETE MASONRY UNIT: F'm = 1900 PSI, ASTM C90, NORMAL WEIGHT, RUNNING BOND.

MORTAR: ASTM C270, TYPE S, CUBE STRENGTH 1800 PSI, ASTM C91 CEMENT.

GROUT: ASTM C476, TYPE COARSE, CUBE STRENGTH 2000 PSI.

CONCRETE:

CONCRETE SHALL COMPLY WITH MAG TABLE 725-1 FOR CLASS A, F'c = 3000 PSI, UNLESS NOTED OTHERWISE.

PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE II.

REINFORCEMENT:

REINFORCING STEEL SHALL CONFORM TO ASTM A615. ALL REINFORCING SHALL BE FURNISHED AS GRADE 60.

ALL BENDS AND HOOKS SHALL MEET THE REQUIREMENTS OF MAG SECTION 505.5.2. ALL BEND DIMENSIONS FOR REINFORCING STEEL SHALL BE OUT-TO-OUT OF BARS. ALL PLACEMENT DIMENSIONS FOR REINFORCING STEEL SHALL BE TO CENTER OF BARS UNLESS NOTED OTHERWISE.

ALL REINFORCING STEEL SHALL HAVE 2 INCH CLEAR COVER UNLESS NOTED OTHERWISE.

EXCAVATION/BACKFILL:

STRUCTURE EXCAVATION AND BACKFILL SHALL CONFORM TO MAG SECTION 206 WITH THE FOLLOWING EXCEPTIONS:

SECTION 206.4.2, NOTE A SHALL NOT APPLY. THE SOILS PRESENT ON-SITE MAY BE USED AS STRUCTURE BACKFILL SO LONG AS THE REQUIREMENTS LISTED UNDER "SOIL TYPE DETERMINATION" IN THESE PLANS ARE MET.

FOUNDATION PREPARATION SHALL CONFORM TO MAG SECTION 206.2.

TYPE C SOILS SHALL NOT BE USED AS FOUNDATION SOILS. TYPE C SOILS SHALL BE OVEREXCAVATED AND REPLACED WITH SOILS MEETING THE REQUIREMENTS OF SOILS TYPE A OR B.

JOINT NOTES:

EXPANSION JOINTS TO BE LOCATED AT A MINIMUM OF 24" AWAY FROM ALL WALL ENDS/CORNERS.




EXPANSION JOINT SPACING SHALL NOT EXCEED 96'-0" O.C.

CONTROL JOINT SPACING SHALL NOT EXCEED 24'-0" O.C.

| LAP SPlice LENGTH TABLE | |
|-------------------------|-------------------|
| BAR SIZE | LAP SPlice LENGTH |
| #4 | 2'-0" |
| #5 | 2'-2" |
| #6 | 2'-7" |

NOTE: WHERE TWO BARS OF DIFFERENT SIZES ARE SPICED, THE SPlice LENGTH IS GOVERNED BY THE LARGER BAR.

EXCAVATION/BACKFILL LEGEND:

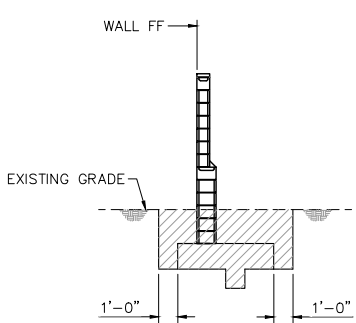
-  STRUCTURAL EXCAVATION
-  STRUCTURAL BACKFILL
-  OVEREXCAVATED AND REPLACED (SEE EXCAVATION/BACKFILL NOTES THIS SHEET)

SAFETY RAILING/FALL PROTECTION:

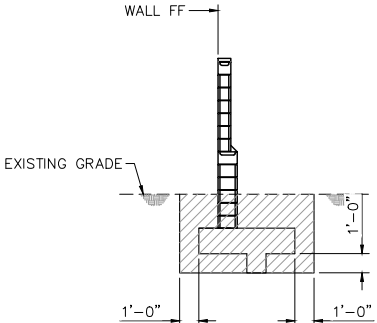
IT IS THE RESPONSIBILITY OF THE OWNER/AGENCY/ENGINEER/CONTRACTOR TO DETERMINE THE NEED FOR HANDRAILS AND FALL PROTECTION. WHERE REQUIRED, HANDRAILS AND GUARDRAILS SHALL MEET THE REQUIREMENTS OF IBC SECTION 1014 AND 1015, RESPECTIVELY.

ABBREVIATIONS:

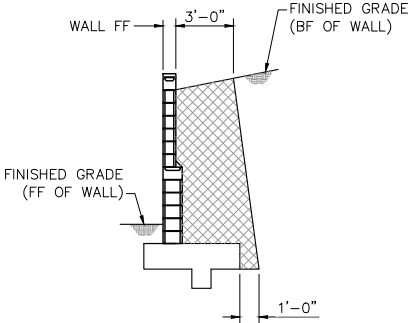
| | |
|------|--|
| ACI | AMERICAN CONCRETE INSTITUTE |
| ASTM | AMERICAN SOCIETY FOR TESTING AND MATERIALS |
| BF | BACK FACE |
| CL | CENTERLINE |
| CLR | CLEARANCE |
| CMU | CONCRETE MASONRY UNIT |
| CONT | CONTINUOUS |
| FF | FRONT FACE |
| MIN | MINIMUM |
| O.C | ON CENTER |
| PCF | POUNDS PER CUBIC FOOT |
| PSF | POUNDS PER SQUARE FOOT |
| T/F | TOP OF FOOTING |
| TYP | TYPICAL |



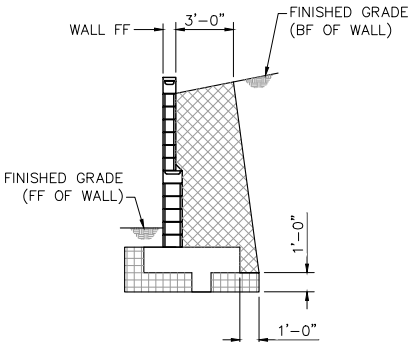
STRUCTURAL EXCAVATION - SOIL A OR B



STRUCTURAL EXCAVATION - SOIL C



STRUCTURAL BACKFILL - SOIL A OR B



STRUCTURAL BACKFILL - SOIL C

1 STRUCTURAL EXCAVATION & BACKFILL LIMITS - WALL TYPE I, II, IA, & IIA
SCALE: 1" = 10'-0"

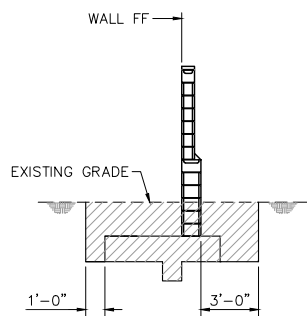


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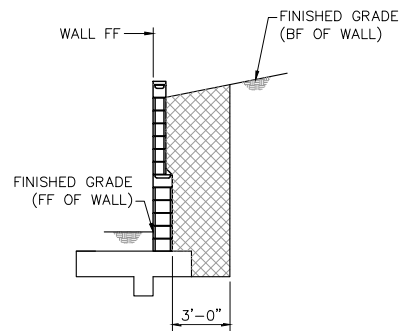
CMU RETAINING WALL STANDARDS

GENERAL STRUCTURAL NOTES 1

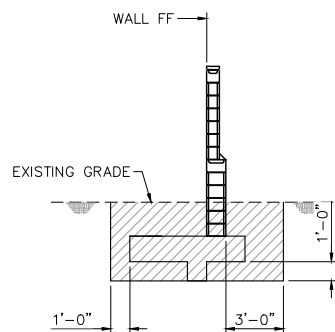
BW.01



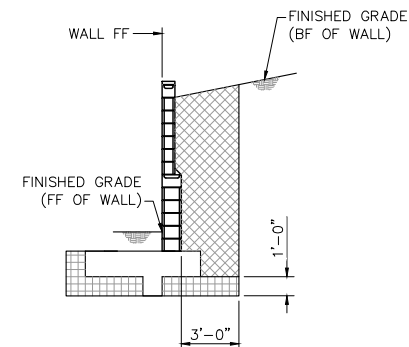
STRUCTURAL EXCAVATION - SOIL A OR B



STRUCTURAL BACKFILL - SOIL A OR B

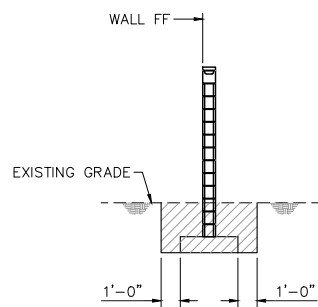


STRUCTURAL EXCAVATION - SOIL C

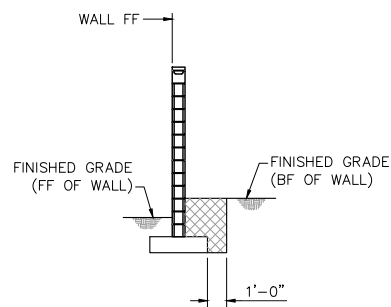


STRUCTURAL BACKFILL - SOIL C

1 STRUCTURAL EXCAVATION & BACKFILL LIMITS - WALL TYPE III & IV
SCALE: 1" = 10'-0"

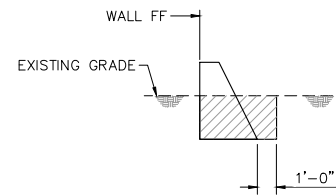


STRUCTURAL EXCAVATION

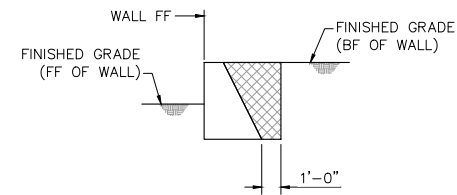


STRUCTURAL BACKFILL

2 STRUCTURAL EXCAVATION & BACKFILL LIMITS - SCREEN WALL
SCALE: 1" = 10'-0"



STRUCTURAL EXCAVATION



STRUCTURAL EXCAVATION

3 STRUCTURAL EXCAVATION & BACKFILL LIMITS - CURB
SCALE: 1" = 10'-0"

EXCAVATION/BACKFILL LEGEND:



STRUCTURAL EXCAVATION



STRUCTURAL BACKFILL

OVEREXCAVATED AND REPLACED
(SEE EXCAVATION/BACKFILL NOTES THIS SHEET)

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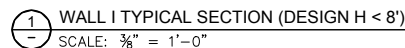
CMU RETAINING WALL STANDARDS

GENERAL STRUCTURAL NOTES 2

BW.02

PROPOSED WALL HEIGHT ABOVE TOP OF FOOTING (DESIGN H BELOW): _____ FT

FROM THE CHART BELOW LIST THE REQUIRED:
SOIL TYPE: _____ FOOTING WIDTH "W": _____ FT



NOTES

1. SEE SHEET BW.17 FOR ADDITIONAL REINFORCEMENT DETAILS.
2. SEE SHEET BW.01 FOR EXCAVATION & BACKFILL REQUIREMENTS.
3. FULLY GROUT ALL CELLS.
4. ALL VERTICAL REINFORCING CENTERED IN CELLS UNLESS NOTED OTHERWISE.
5. CONCRETE SHALL COMPLY WITH MAG TABLE 725-1 FOR CLASS B, $f'_c = 2500$ PSI MINIMUM.



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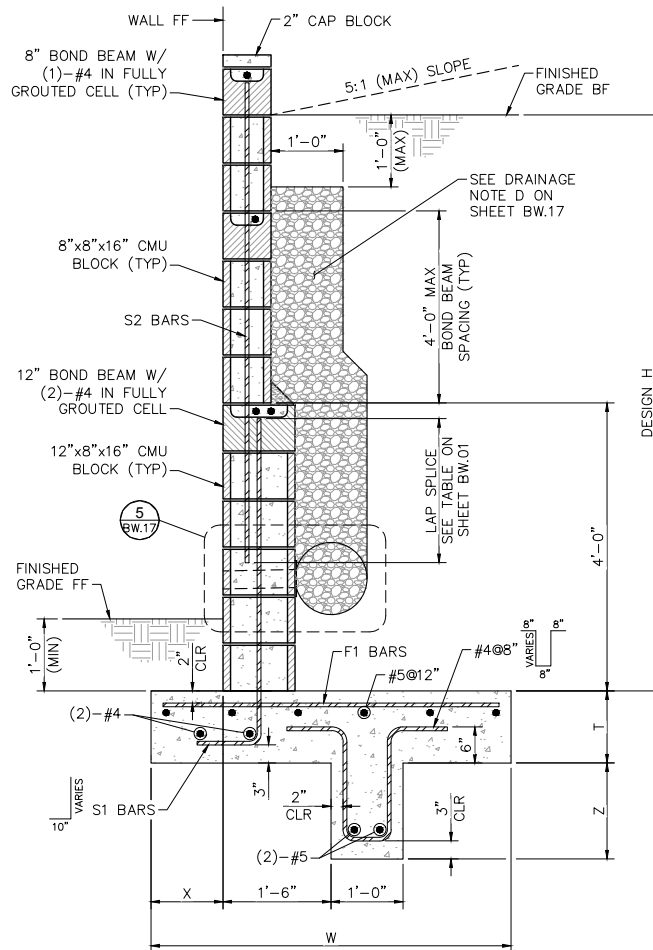
| | |
|----------------------------------|-------|
| WALL I TYPICAL SECTION - 4FT 6FT | BW.03 |
|----------------------------------|-------|

PLEASE PROVIDE ALL THE INFORMATION REQUESTED IN THE BOX BELOW:

PROPOSED WALL HEIGHT ABOVE TOP OF FOOTING (DESIGN H BELOW): _____ FT

FROM THE CHART BELOW LIST THE REQUIRED:

SOIL TYPE: _____ FOOTING WIDTH "W": _____ FT



1 WALL I TYPICAL SECTION (DESIGN H = 8')
SCALE: $\frac{3}{8}" = 1'-0"$

WALL I - DIMENSIONS AND REINFORCING TABLE (DESIGN H = 8')

| SOIL TYPE | FOOTING THICKNESS "T" | FOOTING WIDTH "W" | TOE WIDTH "X" | KEY DEPTH "Z" | "S1" BARS | "S2" BARS | "F1" BARS | MAX BEARING PRESSURE (PSF) |
|-----------|-----------------------|-------------------|---------------|---------------|-----------|-----------|-----------|----------------------------|
| SOIL A | 1'-0" | 5'-6" | 1'-0" | --- | #4@8" | #4@32" | #4@8" | 1482 |
| SOIL B | 1'-0" | 7'-6" | 1'-0" | 1'-0" | #4@8" | #4@32" | #4@8" | 1370 |
| SOIL C | --- | --- | --- | --- | --- | --- | --- | --- |

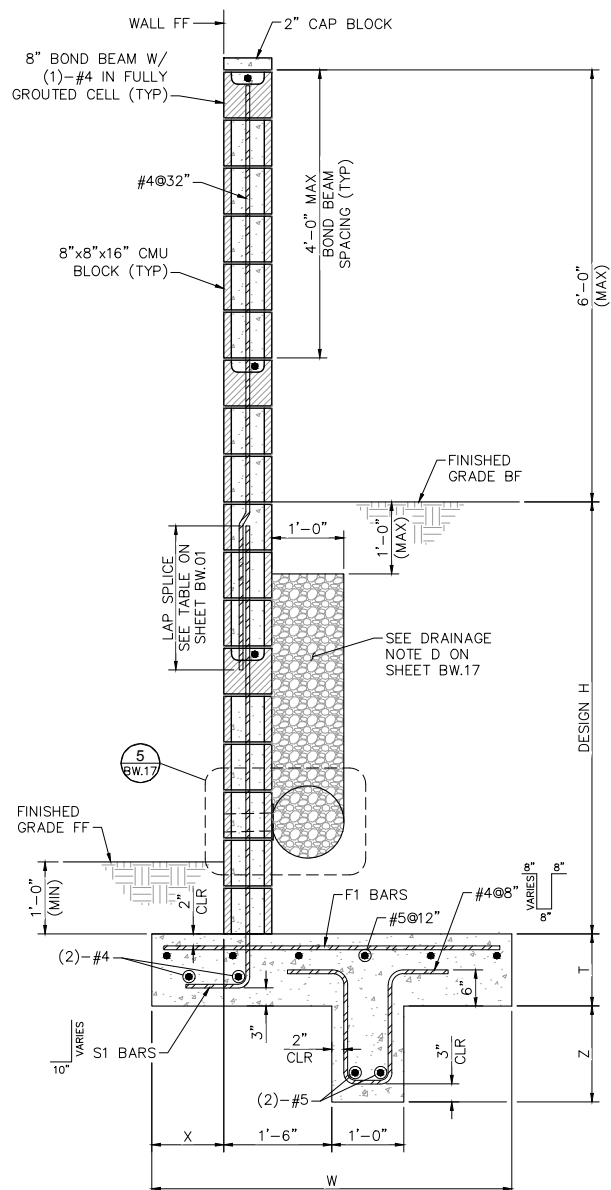
NOTES

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- SEE SHEET BW.01 FOR EXCAVATION & BACKFILL REQUIREMENTS.
- FULLY GROUT ALL CELLS.
- ALL VERTICAL REINFORCING CENTERED IN CELLS UNLESS NOTED OTHERWISE.

PLEASE PROVIDE ALL THE INFORMATION REQUESTED IN THE BOX BELOW:

PROPOSED WALL HEIGHT ABOVE TOP OF FOOTING (DESIGN H BELOW): _____ FT

FROM THE CHART BELOW LIST THE REQUIRED:
SOIL TYPE: _____ FOOTING WIDTH "W": _____ FT



1 WALL II TYPICAL SECTION (DESIGN H < 8')
- SCALE: $\frac{3}{8}" = 1'-0"$

| WALL II - DIMENSIONS AND REINFORCING TABLE (DESIGN H < 8') | | | | | | | | |
|--|------------|-----------------------|-------------------|---------------|---------------|-----------|-----------|-----------------------------|
| SOIL TYPE | DESIGN "H" | FOOTING THICKNESS "T" | FOOTING WIDTH "W" | TOE WIDTH "X" | KEY DEPTH "Z" | "S1" BARS | "F1" BARS | MAX. BEARING PRESSURE (PSF) |
| SOIL A | 4'-0" | 10" | 3'-4" | 8" | --- | #5@16" | #5@16" | 1441 |
| | 6'-0" | 10" | 4'-11" | 8" | --- | #5@8" | #5@8" | 1660 |
| SOIL B | 4'-0" | 1'-0" | 4'-9" | 1'-0" | 8" | #5@16" | #4@8" | 1097 |
| | 6'-0" | 1'-0" | 6'-3" | 1'-0" | 1'-4" | #5@8" | #4@8" | 1499 |
| SOIL C | 4'-0" | 1'-0" | 6'-0" | 1'-0" | 1'-0" | #5@16" | #4@8" | 1094 |
| | 6'-0" | 1'-0" | 8'-0" | 1'-6" | 2'-0" | #6@8" | #4@8" | 1473 |

NOTES

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4. ALL VERTICAL REINFORCING CENTERED IN CELLS UNLESS NOTED OTHERWISE.
5. S1 BARS MAY BE EXTENDED INTO 6' SCREEN WALL IN PLACE OF #4@32".

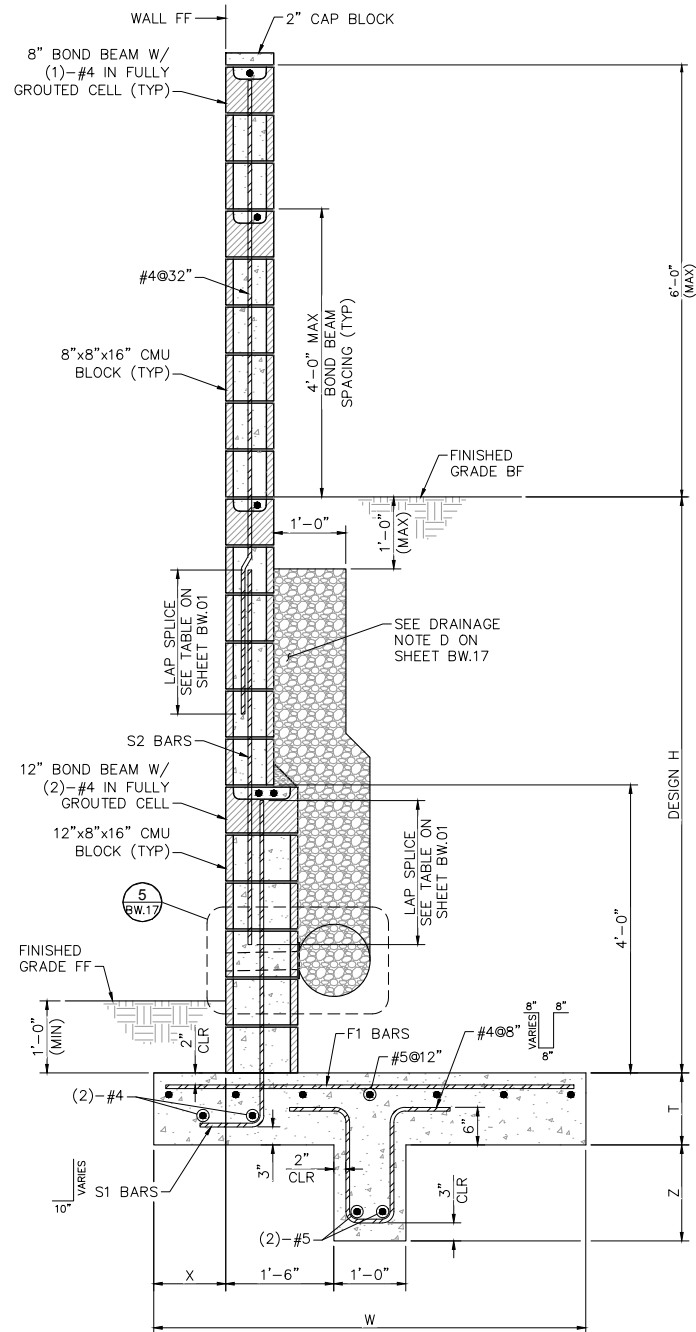


**MOHAVE COUNTY
DEVELOPMENT SERVICES**

CMU RETAINING WALL STANDARDS

WALL II TYPICAL SECTION - 4FT 6FT

BW.05



1 WALL II TYPICAL SECTION (DESIGN H = 8')
SCALE: $\frac{3}{8}" = 1'-0"$

PLEASE PROVIDE ALL THE INFORMATION REQUESTED IN THE BOX BELOW:

PROPOSED WALL HEIGHT ABOVE TOP OF FOOTING (DESIGN H BELOW): _____ FT

FROM THE CHART BELOW LIST THE REQUIRED:

SOIL TYPE: _____ FOOTING WIDTH "W": _____ FT

WALL II - DIMENSIONS AND REINFORCING TABLE (DESIGN H = 8')

| SOIL TYPE | FOOTING THICKNESS "T" | FOOTING WIDTH "W" | TOE WIDTH "X" | KEY DEPTH "Z" | "S1" BARS | "S2" BARS | "F1" BARS | MAX BEARING PRESSURE (PSF) |
|-----------|-----------------------|-------------------|---------------|---------------|-----------|-----------|-----------|----------------------------|
| SOIL A | 1'-0" | 6'-3" | 1'-0" | 1'-0" | #5@8" | #4@8" | #5@8" | 1939 |
| SOIL B | 1'-0" | 8'-3" | 1'-6" | 2'-0" | #6@8" | #4@8" | #4@8" | 1408 |
| SOIL C | --- | --- | --- | --- | --- | --- | --- | --- |

NOTES

- SEE SHEET BW.17 FOR ADDITIONAL REINFORCEMENT DETAILS.
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- FULLY GROUT ALL CELLS.
- ALL VERTICAL REINFORCING CENTERED IN CELLS UNLESS NOTED OTHERWISE.
- S2 BARS MAY BE EXTENDED INTO 6' SCREEN WALL IN PLACE OF #4@32".



**MOHAVE COUNTY
DEVELOPMENT SERVICES**

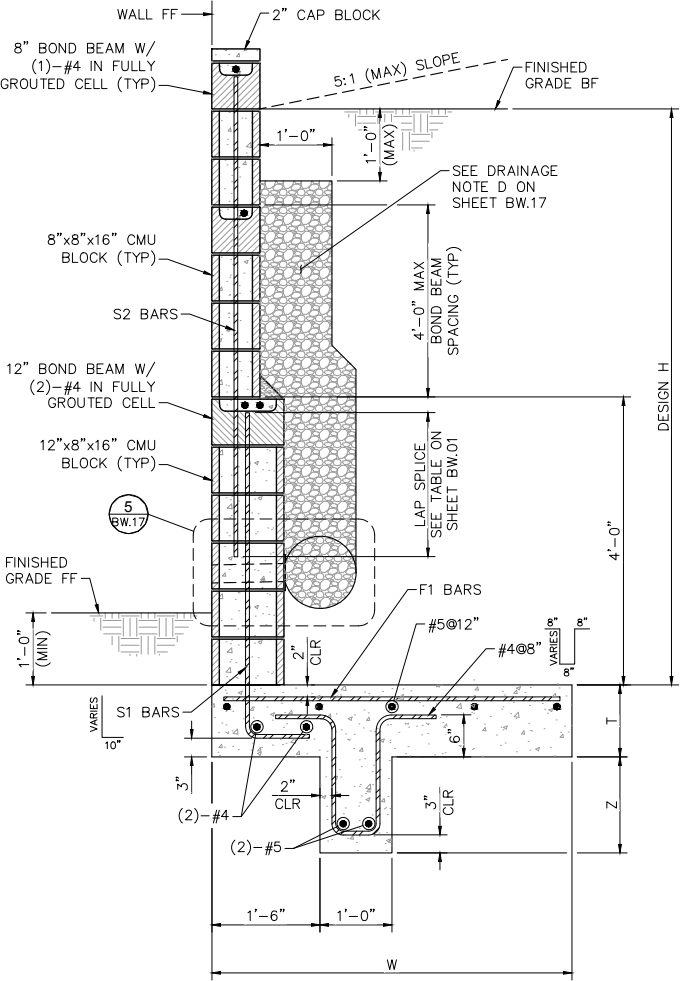
CMU RETAINING WALL STANDARDS

WALL II TYPICAL SECTION - 8FT

BW.06

PLEASE PROVIDE ALL THE INFORMATION REQUESTED IN THE BOX BELOW:


PROPOSED WALL HEIGHT ABOVE TOP OF FOOTING (DESIGN H BELOW): _____ FT
 FROM THE CHART BELOW LIST THE REQUIRED:
 SOIL TYPE: _____ FOOTING WIDTH "W": _____ FT



1 WALL IA TYPICAL SECTION (DESIGN H = 8')
 SCALE: 3/8" = 1'-0"

| WALL IA - DIMENSIONS AND REINFORCING TABLE (DESIGN H = 8') | | | | | | | |
|--|-----------------------|-------------------|---------------|-----------|-----------|-----------|----------------------------|
| SOIL TYPE | FOOTING THICKNESS "T" | FOOTING WIDTH "W" | KEY DEPTH "Z" | "S1" BARS | "S2" BARS | "F2" BARS | MAX BEARING PRESSURE (PSF) |
| SOIL A | 1'-0" | 5'-6" | --- | #4@8" | #4@32" | #4@8" | 2218 |
| SOIL B | 1'-0" | 6'-9" | 1'-0" | #4@8" | #4@32" | #4@8" | 1947 |
| SOIL C | --- | --- | --- | --- | --- | --- | --- |

- NOTES**
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 - FULLY GROUT ALL CELLS.
 - ALL VERTICAL REINFORCING CENTERED IN CELLS UNLESS NOTED OTHERWISE.



MOHAVE COUNTY

DEVELOPMENT SERVICES

CMU RETAINING WALL STANDARDS

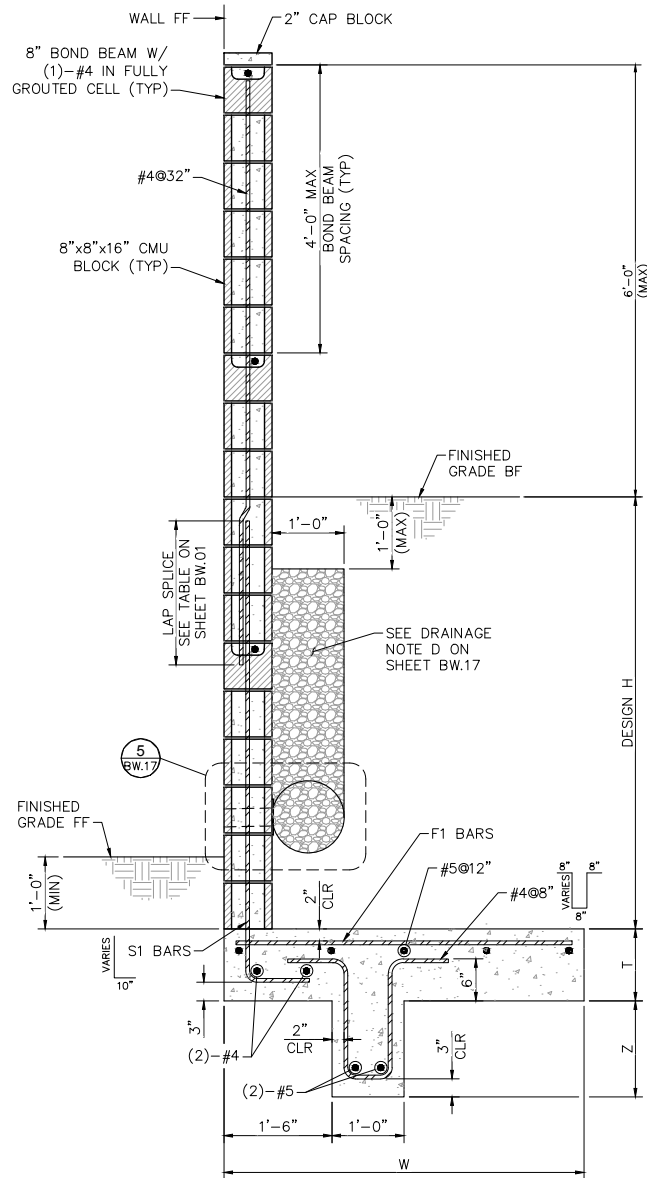
WALL IA TYPICAL SECTION - 8FT

BW.08

PLEASE PROVIDE ALL THE INFORMATION REQUESTED IN THE BOX BELOW:

PROPOSED WALL HEIGHT ABOVE TOP OF FOOTING (DESIGN H BELOW): _____ FT

FROM THE CHART BELOW LIST THE REQUIRED:
SOIL TYPE: _____ FOOTING WIDTH "W": _____ FT



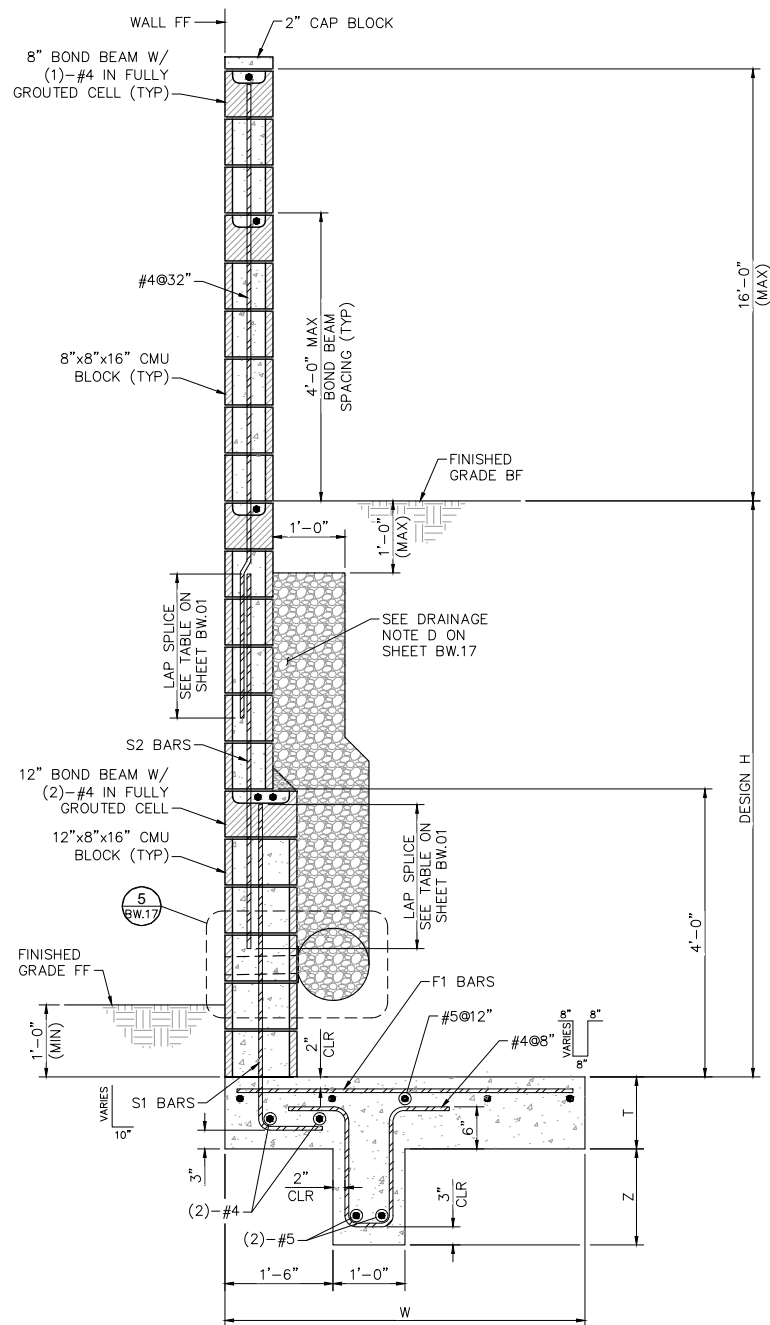
1 WALL IIA TYPICAL SECTION (DESIGN H < 8')
SCALE: 3/8" = 1'-0"

WALL IIA - DIMENSIONS AND REINFORCING TABLE (DESIGN H < 8')

| SOIL TYPE | DESIGN "H" | FOOTING THICKNESS "T" | FOOTING WIDTH "W" | KEY DEPTH "Z" | "S1" BARS | "F2" BARS | MAX BEARING PRESSURE (PSF) |
|-----------|------------|-----------------------|-------------------|---------------|-----------|-----------|----------------------------|
| SOIL A | 4'-0" | 10" | 4'-0" | --- | #5@16" | #5@16" | 1578 |
| | 6'-0" | 10" | 5'-3" | --- | #5@8" | #5@16" | 1993 |
| SOIL B | 4'-0" | 10" | 4'-9" | 8" | #5@16" | #5@16" | 1535 |
| | 6'-0" | 1'-0" | 7'-0" | 8" | #5@8" | #4@8" | 1840 |
| SOIL C | 4'-0" | 10" | 5'-6" | 1'-0" | #5@16" | #5@16" | 1531 |
| | 6'-0" | 1'-0" | 7'-9" | 2'-0" | #6@8" | #4@8" | 1944 |

NOTES

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- ALL VERTICAL REINFORCING CENTERED IN CELLS UNLESS NOTED OTHERWISE.
- S1 BARS MAY BE EXTENDED INTO 6' SCREEN WALL IN PLACE OF #4@32".



PLEASE PROVIDE ALL THE INFORMATION REQUESTED IN THE BOX BELOW:

PROPOSED WALL HEIGHT ABOVE TOP OF FOOTING (DESIGN H BELOW): _____ FT

FROM THE CHART BELOW LIST THE REQUIRED:

SOIL TYPE: _____ FOOTING WIDTH "W": _____ FT

WALL IIA - DIMENSIONS AND REINFORCING TABLE (DESIGN H = 8')

| SOIL TYPE | FOOTING THICKNESS "T" | FOOTING WIDTH "W" | KEY DEPTH "Z" | "S1" BARS | "S2" BARS | "F2" BARS | MAX BEARING PRESSURE (PSF) |
|-----------|-----------------------|-------------------|---------------|-----------|-----------|-----------|----------------------------|
| SOIL A | 1'-0" | 7'-0" | --- | #5@8" | #4@8" | #4@8" | 2014 |
| SOIL B | 1'-0" | 8'-3" | 2'-0" | #6@8" | #4@8" | #5@8" | 1991 |
| SOIL C | --- | --- | --- | --- | --- | --- | --- |

NOTES

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- SEE SHEET BW.01 FOR EXCAVATION & BACKFILL REQUIREMENTS.
- FULLY GROUT ALL CELLS.
- ALL VERTICAL REINFORCING CENTERED IN CELLS UNLESS NOTED OTHERWISE.
- S2 BARS MAY BE EXTENDED INTO 6' SCREEN WALL IN PLACE OF #4@32".

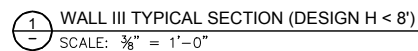


**MOHAVE COUNTY
DEVELOPMENT SERVICES**

CMU RETAINING WALL STANDARDS

WALL IIA TYPICAL SECTION - 8FT BW.10

FROM THE CHART BELOW LIST THE REQUIRED:
SOIL TYPE: _____ FOOTING WIDTH "W": _____ FT



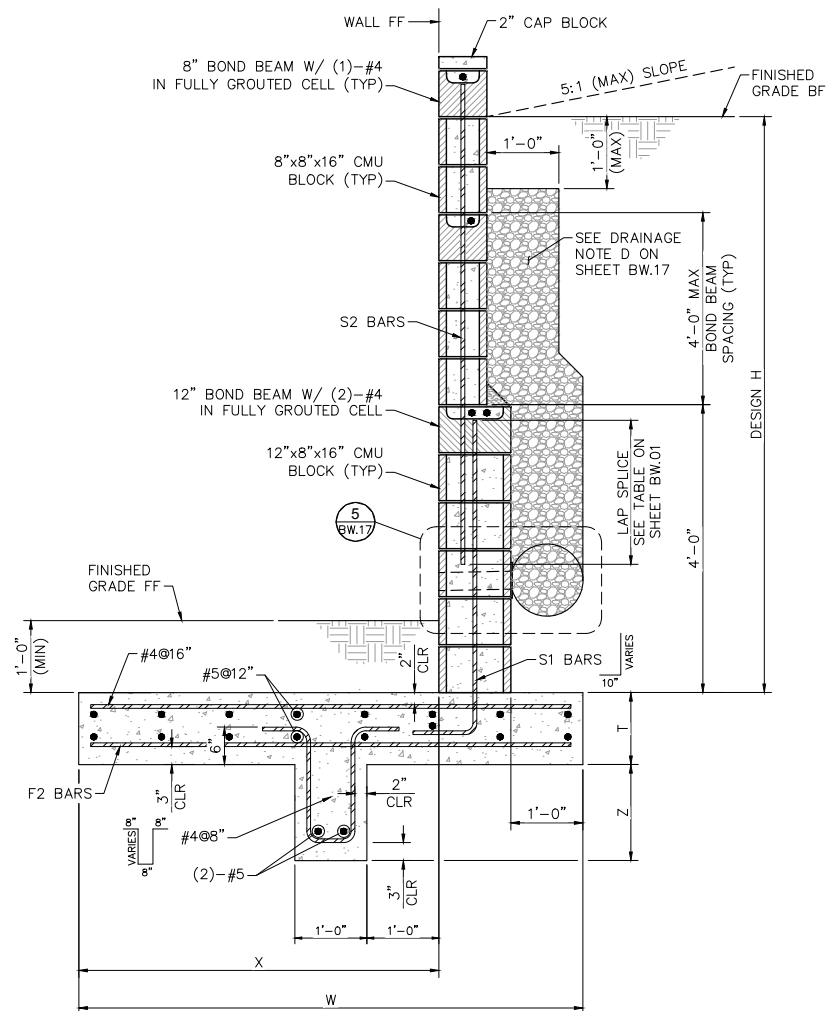
1. SEE SHEET BW.17 FOR ADDITIONAL REINFORCEMENT DETAILS.
2. SEE SHEET BW.01 FOR EXCAVATION & BACKFILL REQUIREMENTS.
3. FULLY GROUT ALL CELLS.
4. ALL VERTICAL REINFORCING CENTERED IN CELLS UNLESS NOTED OTHERWISE.

PLEASE PROVIDE ALL THE INFORMATION REQUESTED IN THE BOX BELOW:

PROPOSED WALL HEIGHT ABOVE TOP OF FOOTING (DESIGN H BELOW): _____ FT

FROM THE CHART BELOW LIST THE REQUIRED:

SOIL TYPE: _____ FOOTING WIDTH "W": _____ FT



1 WALL III TYPICAL SECTION (DESIGN H = 8')
SCALE: $\frac{3}{8}'' = 1'-0''$

WALL III - DIMENSIONS AND REINFORCING TABLE (DESIGN H = 8')

| SOIL TYPE | FOOTING THICKNESS "T" | FOOTING WIDTH "W" | TOE WIDTH "X" | KEY DEPTH "Z" | "S1" BARS | "S2" BARS | "F2" BARS | MAX BEARING PRESSURE (PSF) |
|-----------|-----------------------|-------------------|---------------|---------------|-----------|-----------|-----------|----------------------------|
| SOIL A | 1'-0" | 7'-0" | 5'-0" | 1'-0" | #4@8" | #4@32" | #4@8" | 572 |
| SOIL B | --- | --- | --- | --- | --- | --- | --- | --- |
| SOIL C | --- | --- | --- | --- | --- | --- | --- | --- |

NOTES

- SEE SHEET BW.17 FOR ADDITIONAL REINFORCEMENT DETAILS.
- SEE SHEET BW.01 FOR EXCAVATION & BACKFILL REQUIREMENTS.
- FULLY GROUT ALL CELLS.
- ALL VERTICAL REINFORCING CENTERED IN CELLS UNLESS NOTED OTHERWISE.

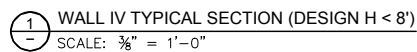


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DEVELOPMENT SERVICES**

CMU RETAINING WALL STANDARDS

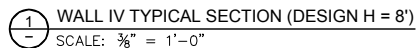
WALL III TYPICAL SECTION - 8FT

BW.12



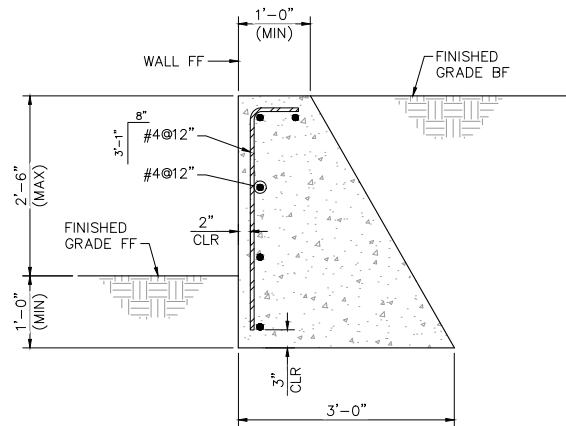
FROM THE CHART BELOW LIST THE REQUIRED:
SOIL TYPE: _____ FOOTING WIDTH "W": _____ FT

1. SEE SHEET BW.17 FOR ADDITIONAL REINFORCEMENT DETAILS.
2. SEE SHEET BW.01 FOR EXCAVATION & BACKFILL REQUIREMENTS.
3. FULLY GROUT ALL CELLS.
4. ALL VERTICAL REINFORCING CENTERED IN CELLS UNLESS NOTED OTHERWISE.
5. S1 BARS MAY BE EXTENDED INTO 6' SCREEN WALL IN PLACE OF #4@32".

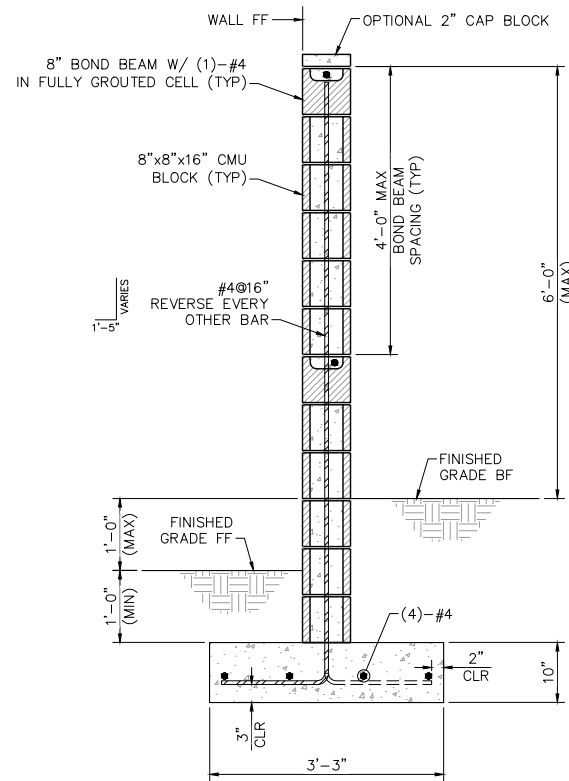


FROM THE CHART BELOW LIST THE REQUIRED:
SOIL TYPE: _____ FOOTING WIDTH "W": _____ FT

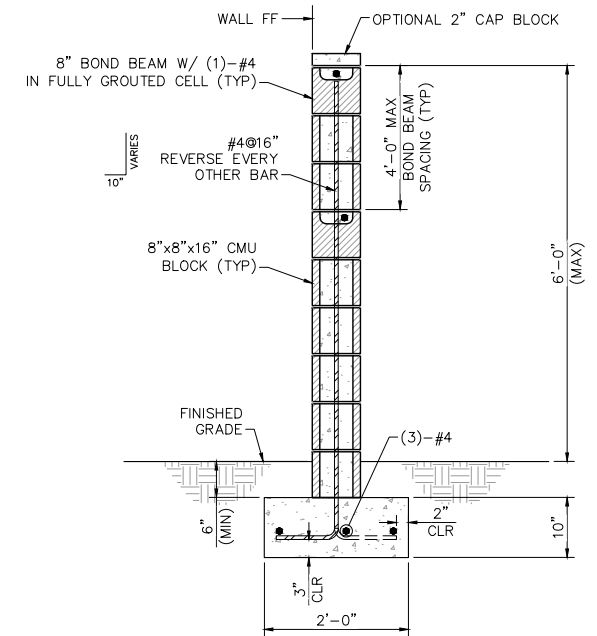
| | |
|-------------------------------|-------|
| WALL IV TYPICAL SECTION - 8FT | BW.14 |
|-------------------------------|-------|



1 CURB TYPICAL SECTION
SCALE: $\frac{3}{8}$ " = 1'-0"



2 SCREEN WALL WITH GRADE DIFFERENCE TYPICAL SECTION
SCALE: $\frac{3}{8}$ " = 1'-0"



3 SCREEN WALL TYPICAL SECTION
SCALE: $\frac{3}{8}$ " = 1'-0"

NOTES

1. SEE SHEET BW.17 FOR ADDITIONAL REINFORCEMENT DETAILS.
2. SEE SHEET BW.02 FOR EXCAVATION & BACKFILL REQUIREMENTS.
3. FULLY GROUT ALL CELLS.
4. ALL VERTICAL REINFORCING CENTERED IN CELLS UNLESS NOTED OTHERWISE.
5. CONCRETE SHALL COMPLY WITH MAG TABLE 725-1 FOR CLASS B, $F'_c = 2500$ PSI MINIMUM.

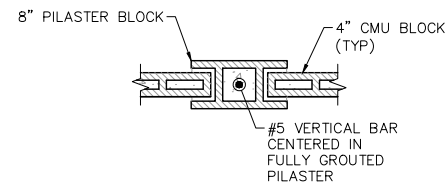
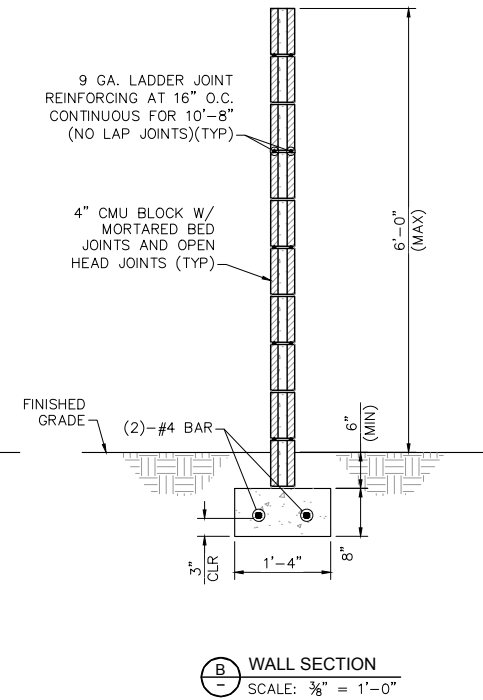
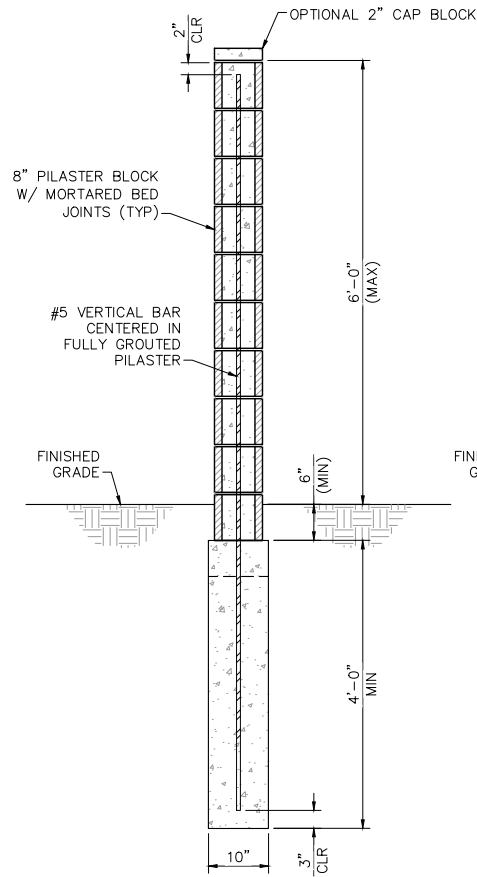
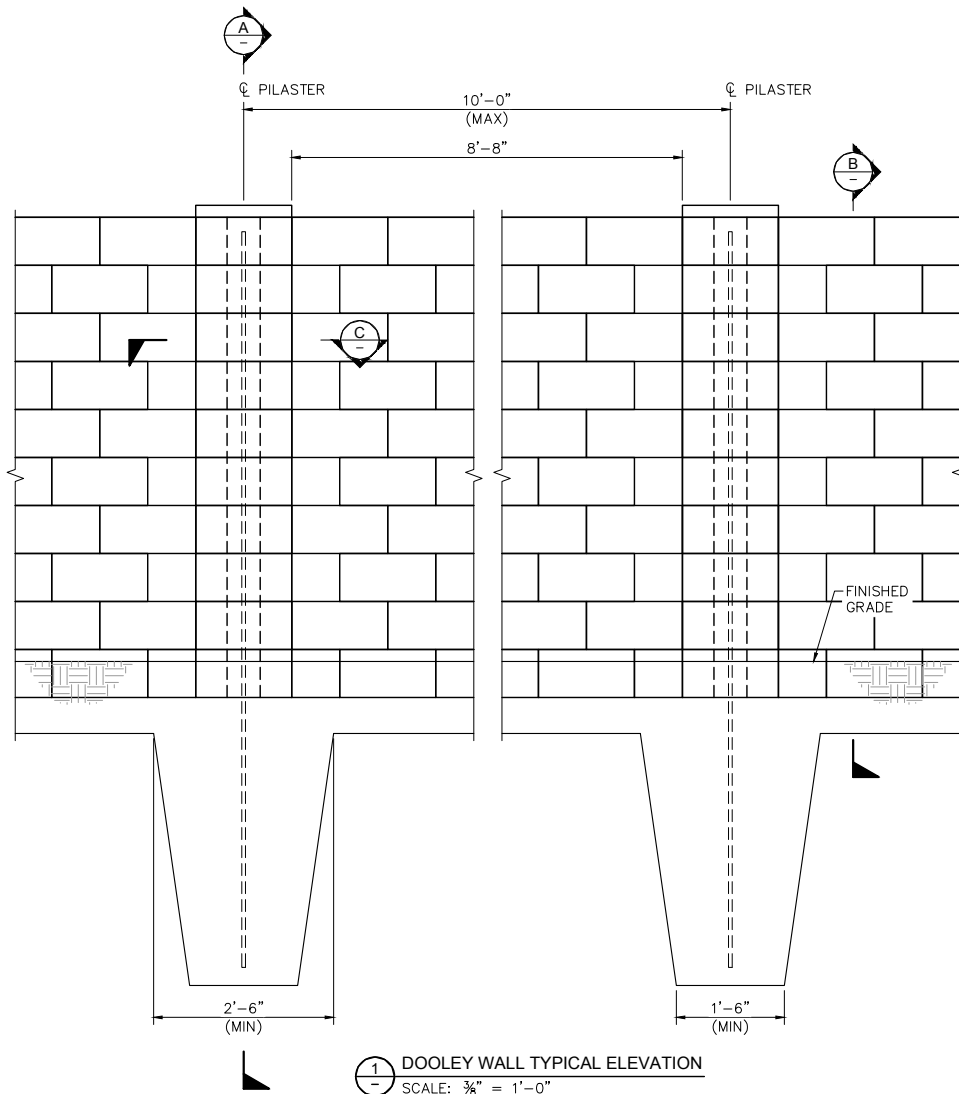


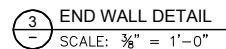
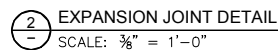
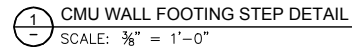
**MOHAVE COUNTY
DEVELOPMENT SERVICES**

CMU RETAINING WALL STANDARDS

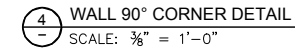
CURB AND SCREEN WALL

BW.15





1. EXPANSION JOINT MATERIAL SHALL BE RUBBER EXPANSION JOINT HOHMANN & BARNARD, INC. #RS-8, OR EQUIVALENT. ENLARGE SLOTS IN BLOCK IF REQUIRED, PUNCH HOLE IN RUBBER FOR #6 DOWEL. DO NOT CUT DOWN WIDTH OF EXPANSION JOINT RUBBER.
2. CAULK JOINTS WITH SIKAFLEX 1A SEALANT, OR EQUIVALENT.
3. TRIM TYPICAL BOND BEAM REINFORCEMENT 2" CLEAR OF EXPANSION JOINT.



- A. 3" Ø DRAIN PIPES @ 8'-0" MAXIMUM CENTER TO CENTER. SLOPE $\frac{1}{2}$ " PER FOOT LOWER AT FACE. EXPOSED DRAINS SHALL BE LOCATED 6" ± ABOVE FINISHED GRADE. FOR WALLS ADJACENT TO SIDEWALKS OR CURBS, PROVIDE 4" Ø PLASTIC PIPE UNDER THE SIDEWALK TO DISCHARGE THRU CURB FACE.
- B. 6" SQUARE ALUMINUM OR GALVANIZED STEEL WIRE $\frac{1}{4}$ " MESH HARDWARE CLOTH, MINIMUM WIRE DIAMETER 0.025". ANCHOR FIRMLY TO BACKFACE.
- C. ONE CUBIC FOOT 57 ROCK OR APPROVED EQUAL IN A NONWOVEN FILTER FABRIC, SECURELY TIED.
- D. 57 ROCK OR APPROVED EQUAL CONTINUOUS BEHIND THE RETAINING WALL.
- E. GEOCOMPOSITE MEMBRANE MAY BE USED AS AN ALTERNATIVE. NO SPLICE IN GEOCOMPOSITE MEMBRANE WITHIN 3'-0" OF DRAINS OR JOINTS.



CMU RETAINING WALL STANDARDS

MISCELLANEOUS DETAILS

BW.17