# Construction Drawings

## Section 5
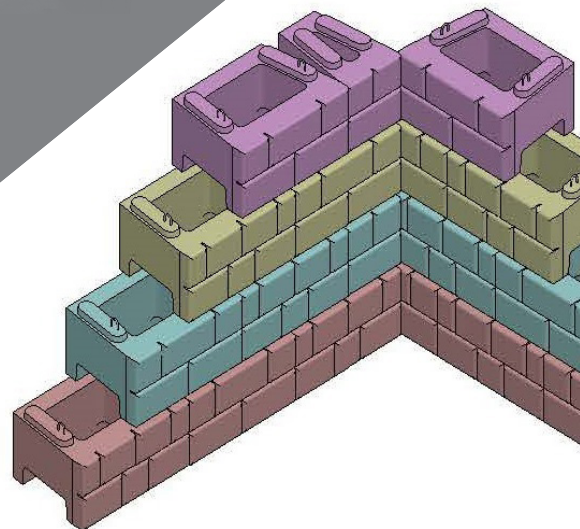


**VERTI BLOCK**®

## TYPICAL GRAVITY WALL WITH 36" VERTI-BLOCK

5° BATTER ANGLE
$10\frac{15}{16}$"

GROUND LEVEL SLOPE
MIN .2% AWAY FROM BLOCKS.

FILL CORES WITH CLEAN
1" ∅ CRUSHED STONE AS
EACH COURSE IS SET.

36" STANDARD
BLOCK

$2\frac{3}{16}$"(TYP.)

WALL
HEIGHT

NATIVE SOIL EDGE
OF EXCAVATION

NONWOVEN
GEOTEXTILE FILTER

LEVELING
PAD

BACKFILLED NATIVE
SOIL COMPACTED
IN PLACE AS EACH
COURSE IS SET.

CRUSHED STONE
LEVELING PAD
6" MIN. DEPTH

PERFORATED
DRAIN PIPE
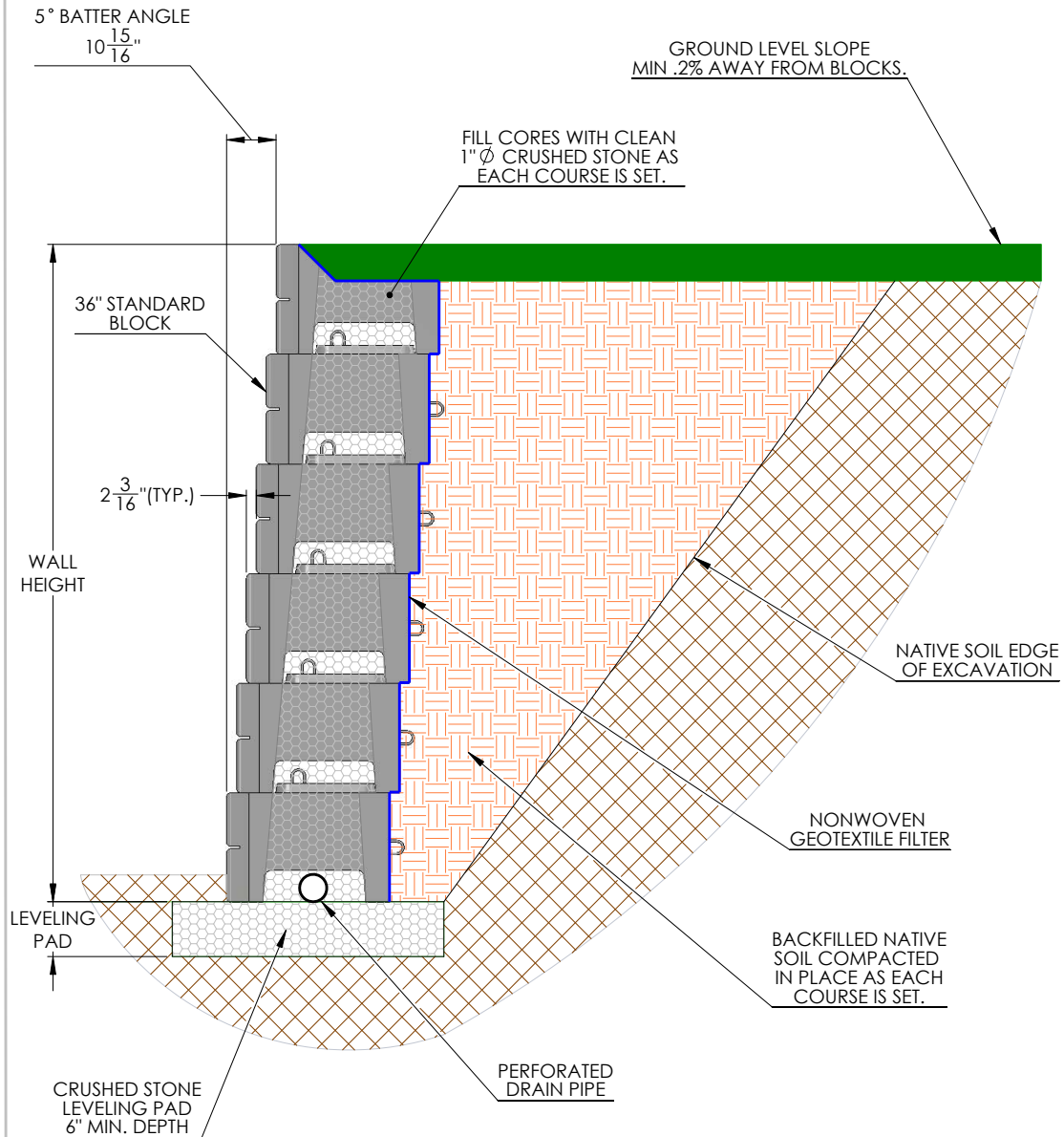
| DRAWN BY | DATE | TITLE: |
|----------|------|--------|
| DAN BALLING | 12/30/2013 | **12' RETAINING SECTION** |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. **WD-14** |
| SCALE: 1: 30 | | SHEET 1 OF 1 |

# TYPICAL GRAVITY WALL WITH VERTI-BLOCK MASS EXTENDERS

5° BATTER ANGLE
$10\frac{15}{16}$"

GROUND LEVEL SLOPE
MIN.2% AWAY FROM BLOCKS

FILL CORES WITH CLEAN
1" ⌀ CRUSHED STONE AS
EACH COURSE IS SET.

36" STANDARD
BLOCK

$2\frac{3}{16}$"(TYP.)

WALL
HEIGHT

48" MASS
EXTENDER

60" MASS
EXTENDER

NATIVE SOIL EDGE
OF EXCAVATION

BACKFILLED NATIVE
SOIL COMPACTED
IN PLACE AS EACH
COURSE IS SET.

NONWOVEN
GEOTEXTILE FILTER

LEVELING
PAD

PERFORATED
DRAIN PIPE

CRUSHED STONE
LEVELING PAD
6" MIN. DEPTH



| DRAWN BY | DATE | TITLE: |
|---|---|---|
| DAN BALLING | 12/30/2013 | 12' SECTION W/ MASS EXTENDERS |

16500 SOUTH 500 WEST
BLUFFDALE, UTAH 84065
PHONE: (801) 571-2028

DWG NO.

WD-15

SCALE: 1: 30     SHEET 1 OF 1

Construction
Drawings

5.2

## 20' GEOGRID FRICTION CONNECTION
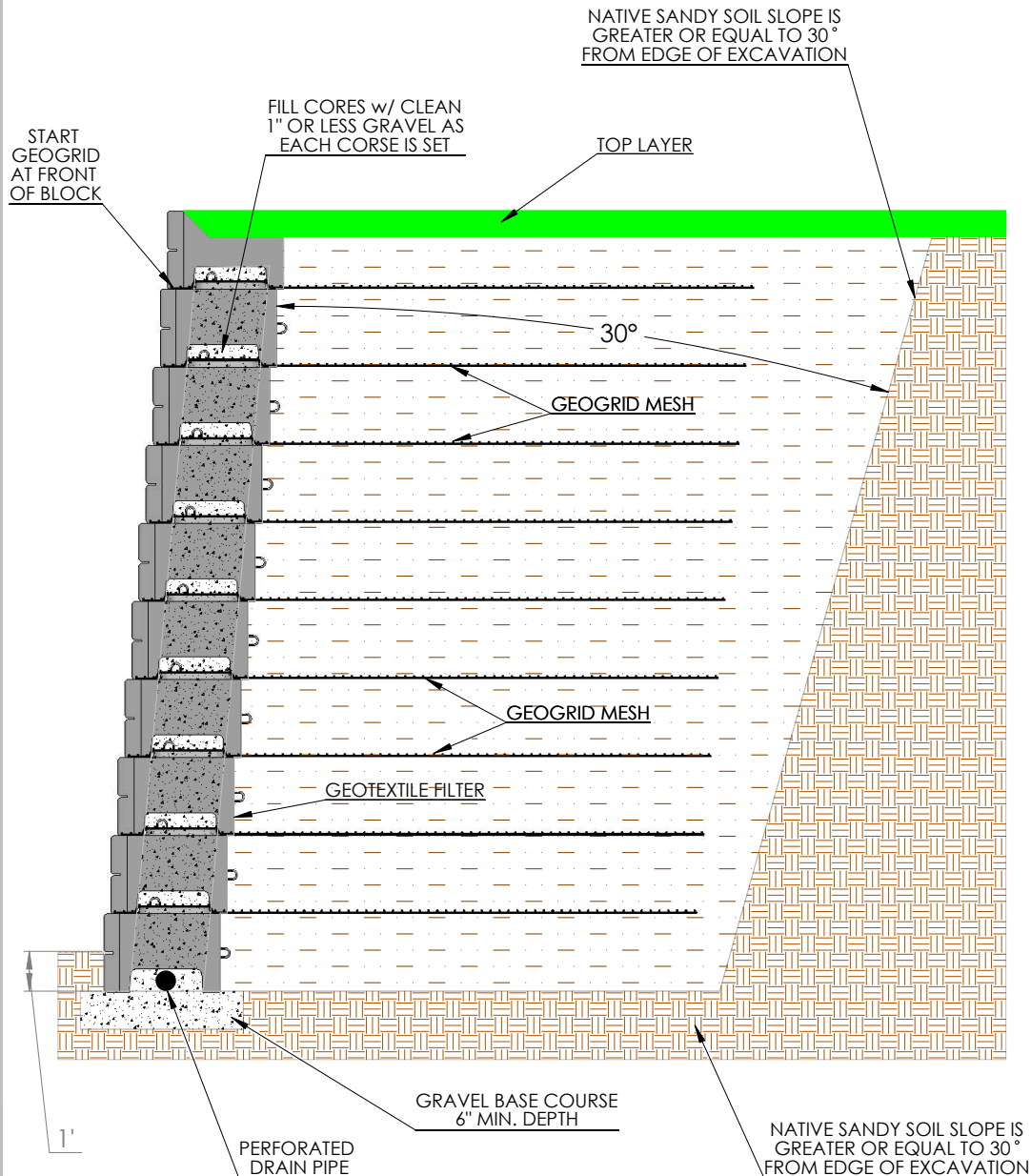


NATIVE SANDY SOIL SLOPE IS GREATER OR EQUAL TO 30° FROM EDGE OF EXCAVATION

FILL CORES w/ CLEAN 1" OR LESS GRAVEL AS EACH CORSE IS SET

TOP LAYER

START GEOGRID AT FRONT OF BLOCK

30°

GEOGRID MESH

GEOGRID MESH

GEOTEXTILE FILTER

GRAVEL BASE COURSE 6" MIN. DEPTH

PERFORATED DRAIN PIPE

NATIVE SANDY SOIL SLOPE IS GREATER OR EQUAL TO 30° FROM EDGE OF EXCAVATION

1'

| DRAWN BY | DATE | TITLE: | |
|---|---|---|---|
| DAN BALLING | 12/12/2013 | 20' FRICTION DETAIL | |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. M-03 | |
| | | SCALE: 1: 42 | SHEET 1 OF 1 |

# 20' GEOGRID POSITIVE CONNECTION



FILL CORES W/ CLEAN 1" MINUS GRAVEL AS EACH COURSE IS SET

NATIVE SANDY SOIL SLOPE IS GREATER OR EQUAL TO 30° FROM EDGE OF EXCAVATION

TOP LAYER

30°

GEOGRID MESH

GEOGRID MESH

GEOTEXTILE FILTER

1'-0.00"

GRAVEL BASE COURSE 6" MIN. DEPTH

PERFORATED DRAIN PIPE

NATIVE SANDY SOIL SLOPE IS GREATER OR EQUAL TO 30° FROM EDGE OF EXCAVATION
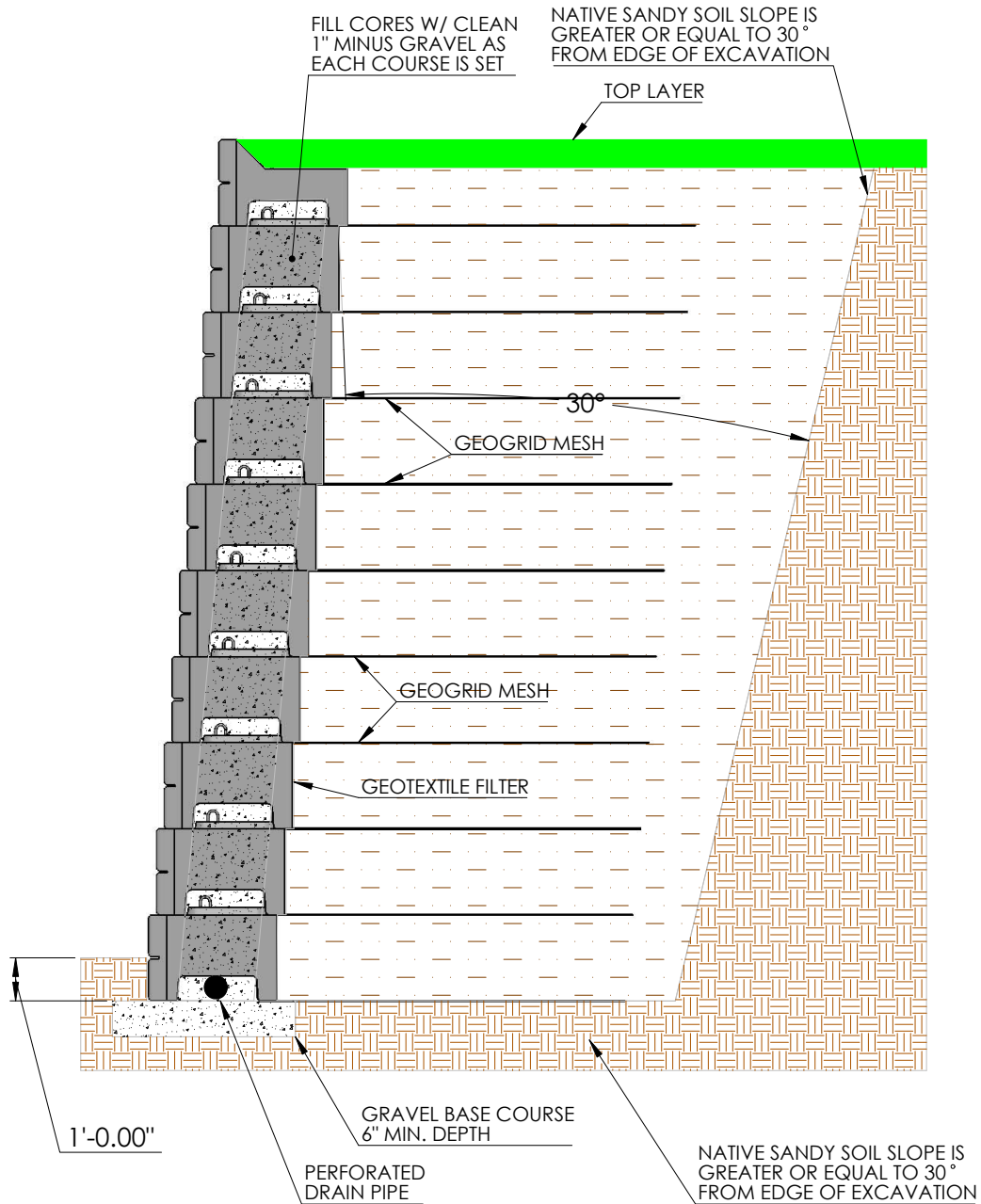
| DRAWN BY | DATE | TITLE: |
|---|---|---|
| R FONTANESI | 3/8/2016 | 20' LOOP THRU POSITIVE CONNECTION |

16500 SOUTH 500 WEST
BLUFFDALE, UTAH 84065
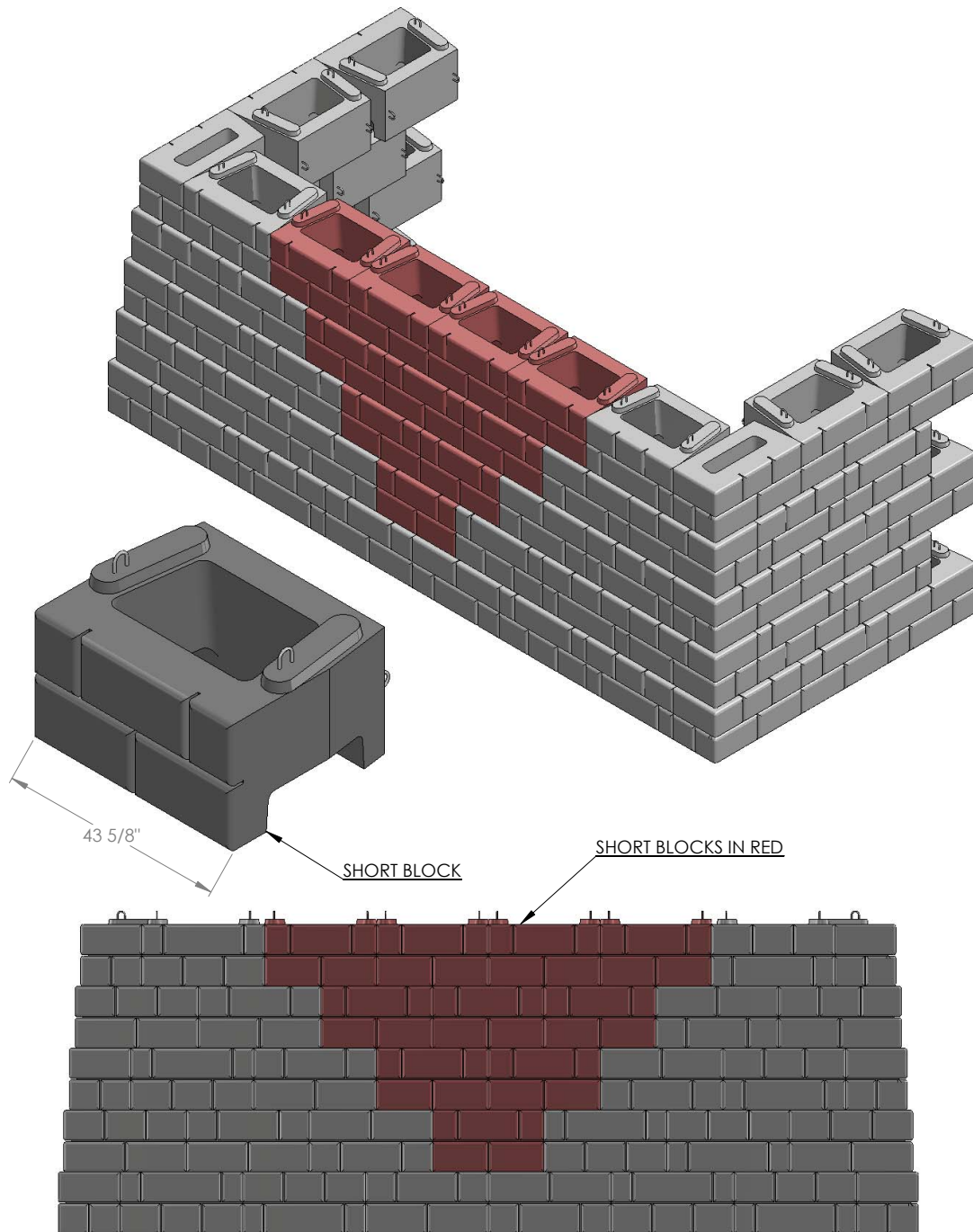PHONE: (801) 571-2028

DWG NO.

## WD-36

SCALE: 1: 30 | SHEET 1 OF 1

CUT MESH FOR
LIFTING RINGS

MESH SHOULD LAY FLAT
ON TOP OF BLOCK

| | | | | |
|---|---|---|---|---|
| DRAWN BY | DATE | TITLE: | | |
| DAN BALLING | 12/12/2013 | FRICTION CONNECTION | | |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. M-01 | | |
| | | SCALE: 1 : 7 | | SHEET 1 OF 1 |

2' GEOGRID MESH

1" RADIUS MIN.
TOP & BOTTOM
ALL SHARP EDGES
MUST BE REMOVED

NOTE: DRAWINGS PROVIDED BY VERTI-CRETE
ARE FOR REFERENCE ONLY. CONSULT
LICENSED ENGINEER FOR FINAL DESIGN.

| DRAWN BY | DATE | TITLE: POSITIVE CONNECTION |
|---|---|---|
| R FONTANESI | 3/8/2016 | |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. WD-35 |
| SCALE: 1: 30 | | SHEET 1 OF 1 |

BOTTOM ROW

45°

$20\frac{1}{2}$" SETBACK FROM
THEORETICAL CORNER
ON FIRST ROW

RUNNING BOND
SHIFTS 3/4" FURTHER
ON EACH ROW
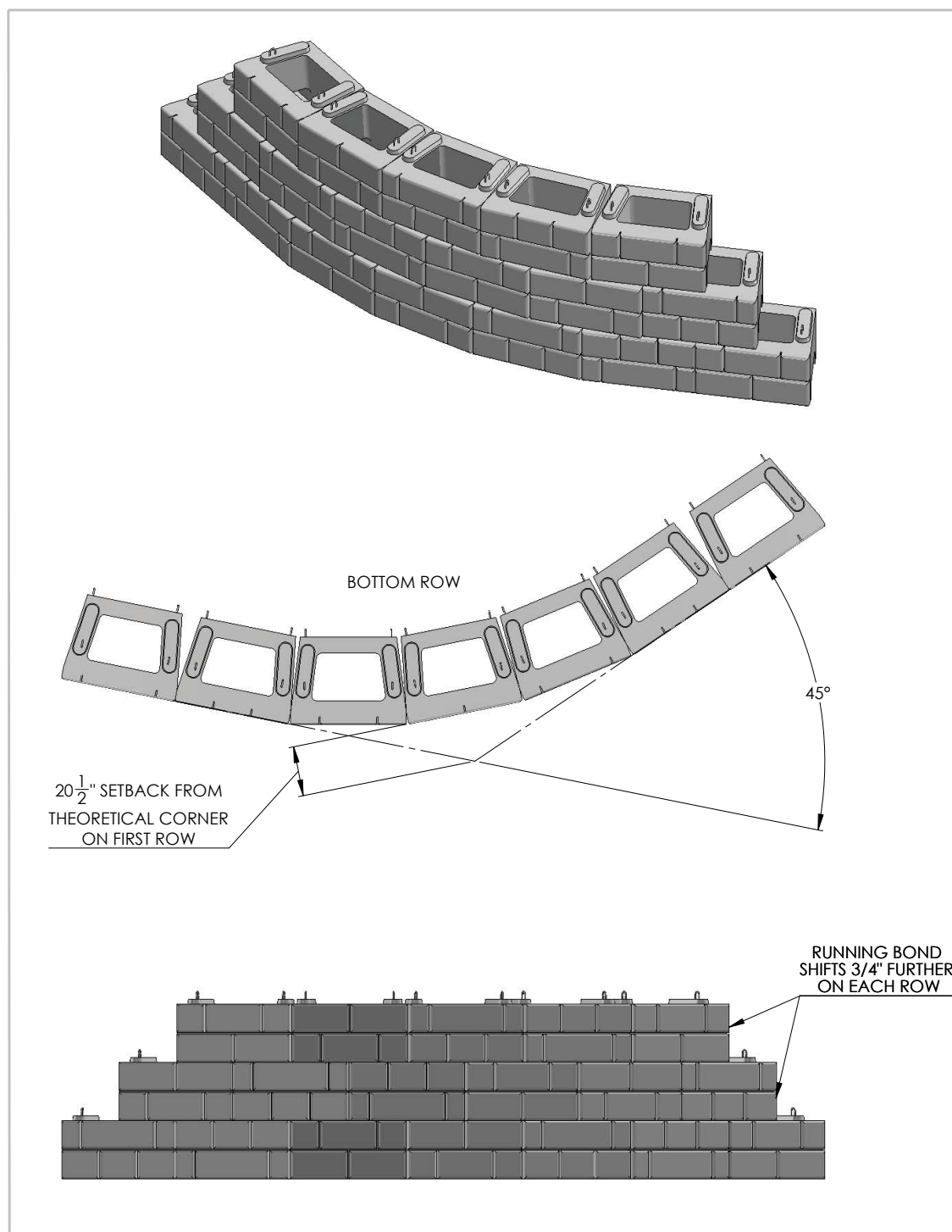
| DRAWN BY | DATE | TITLE: |
|---|---|---|
| DAN BALLING | 12/12/2013 | **45° OUTSIDE CORNER** |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. **C-01** |
| | | SCALE: 1: 50 — SHEET 1 OF 1 |

ALTERNATE
OVERLAPPING
BLOCKS
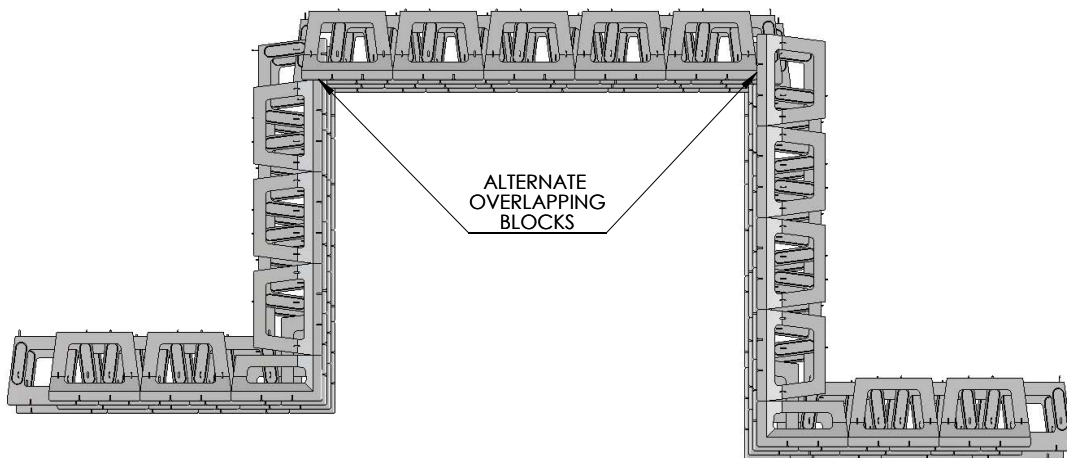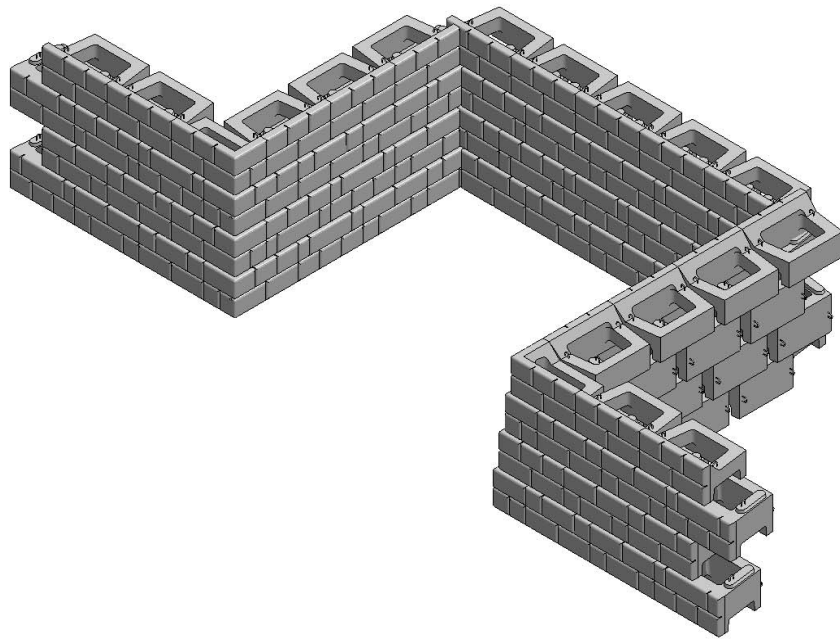
| DRAWN BY | DATE | TITLE: |
|---|---|---|
| DAN BALLING | 12/12/2013 | DOUBLE 90° INSIDE CORNER |

DWG NO.

C-02

16500 SOUTH 500 WEST
BLUFFDALE, UTAH 84065
PHONE: (801) 571-2028

SCALE: 1: 50    SHEET 1 OF 1

43 5/8"

SHORT BLOCK

SHORT BLOCKS IN RED

| | | |
|---|---|---|
| DRAWN BY | DATE | TITLE: |
| DAN BALLING | 12/12/2013 | DOUBLE 90° OUTSIDE CORNER |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. C-03 |
| | | SCALE: 1:50 |
| | | SHEET 1 OF 1 |

HALF BLOCKS REQUIRED
ON EVERY OTHER ROW

EVERY COURSE WILL BE 15/16"
CLOSER TO THE CORNER THAN
THE COURSE BELOW IT.

$\frac{15}{16}$"

45°

WALLS ARE COMPLEATLY SEPERATE
AND DO NOT INTERLOCK OR SHARE
A RUNNING BOND WITH EACH OTHER

| DRAWN BY | DATE | TITLE: |
|---|---|---|
| DAN BALLING | 2/4/2014 | 45° SEPARATE WALLS |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. C-04 |
| | | SCALE: 1 : 50 |  SHEET 1 OF 1 |

## 6 INCH CAP STEP-DOWN



**2 SIDED CAP**

48"

6"

26"

CAP BLOCK WEIGHT = 478 LBS
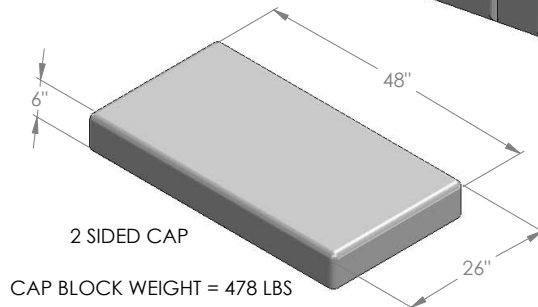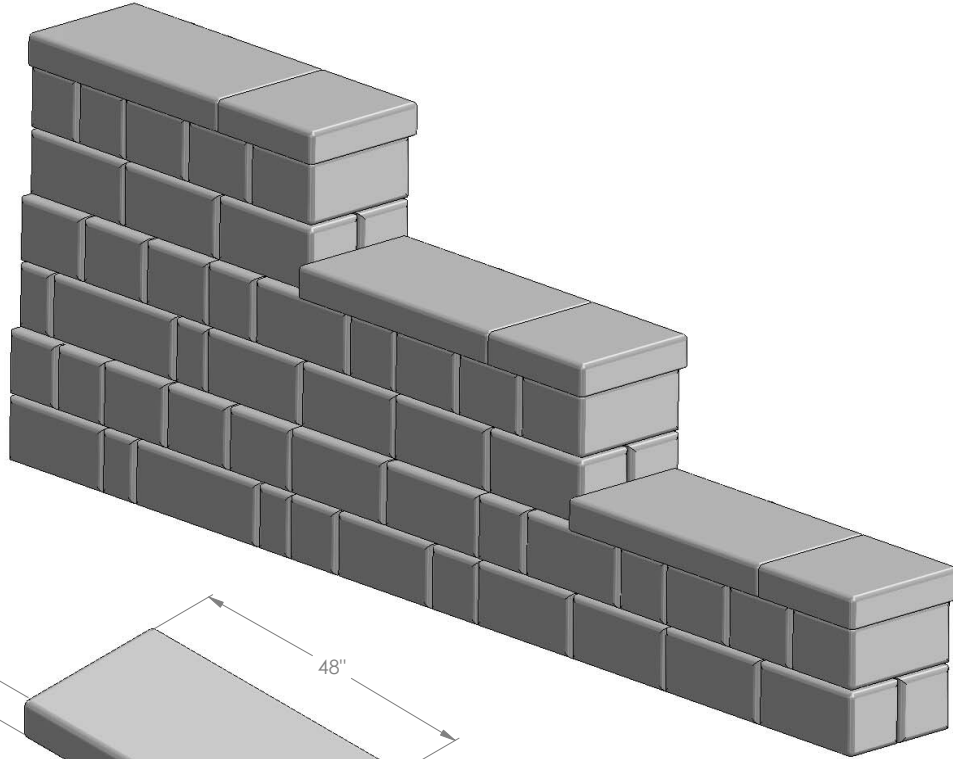
CONFLICTING AREA WILL REQUIRE THE USE OF
A 13" NUB BLOCKOUT OR SAW CUT AND REMOVAL
OF PICK POINT WHEN CAP IS USED

**3 SIDED CAP**

49"

6"

26"

SIDE VIEW
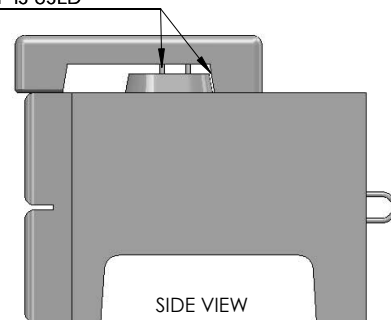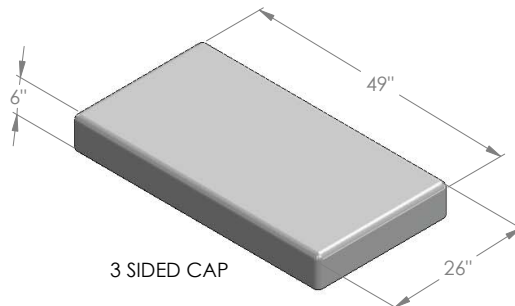
| DRAWN BY | DATE | TITLE: |
|---|---|---|
| DAN BALLING | 12/18/2013 | 6" CAP BLOCK SCENARIO |

16500 SOUTH 500 WEST
BLUFFDALE, UTAH 84065
PHONE: (801) 571-2028

DWG NO.

CB-01

SCALE: 1: 4 SHEET 1 OF 1
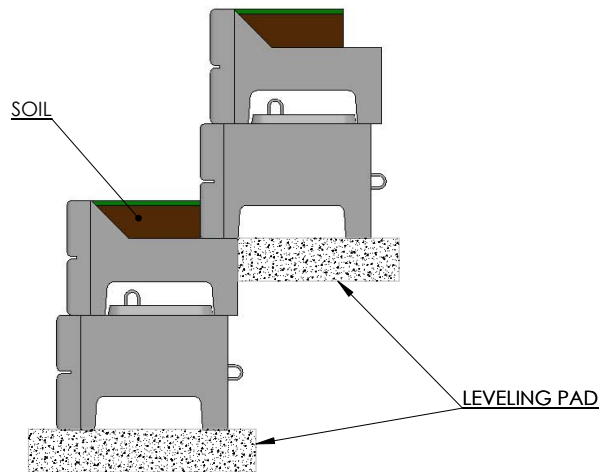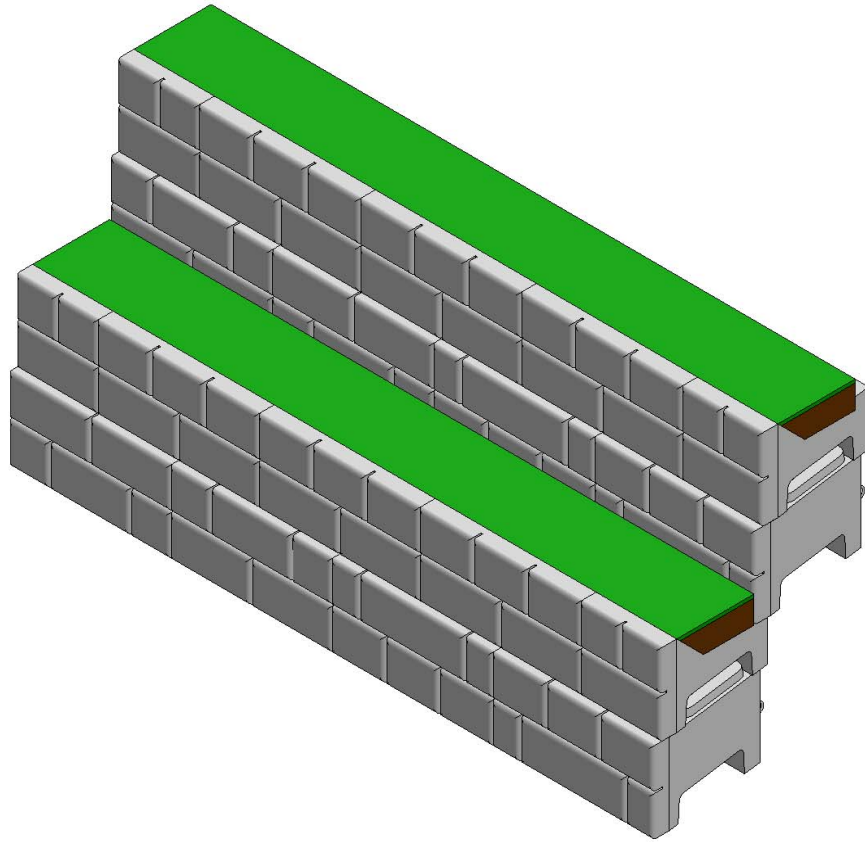
SOIL

LEVELING PAD

| DRAWN BY | DATE | TITLE: |
|---|---|---|
| DAN BALLING | 12/12/2013 | PLANTER ROW WALL |

16500 SOUTH 500 WEST
BLUFFDALE, UTAH 84065
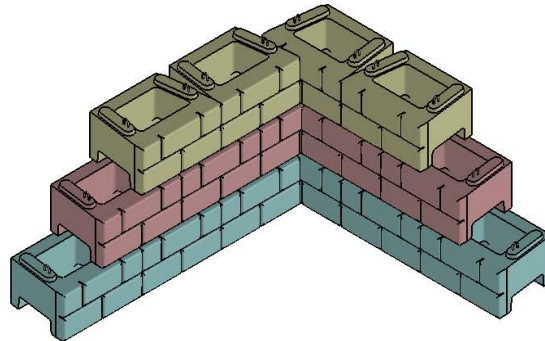PHONE: (801) 571-2028

DWG NO.

PR-01

SCALE: 1: 4     SHEET 1 OF 1
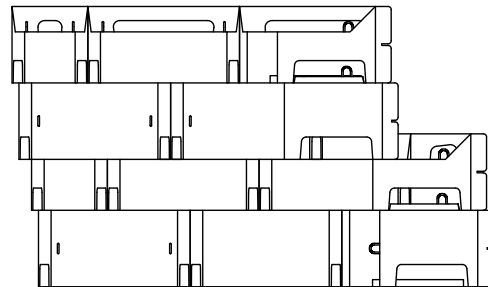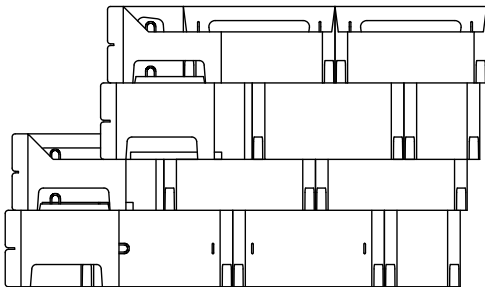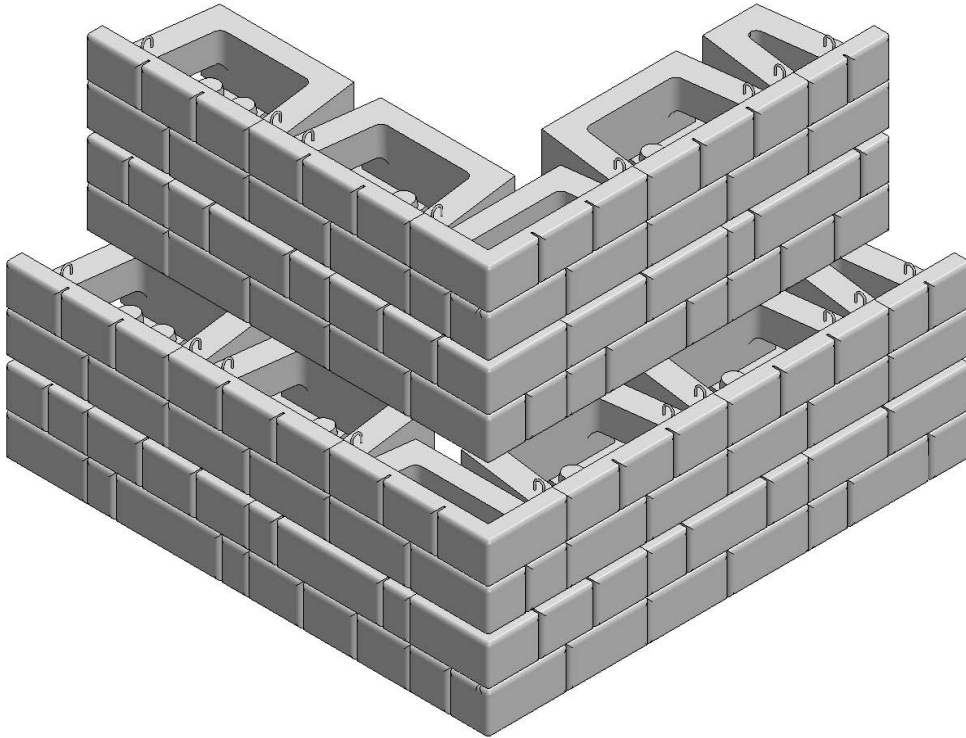
BACK SIDE VIEWS

NOTE:
REFERENCE OUTSIDE CORNER DETAIL ON NUB BLOCKOUT

| DRAWN BY | DATE | TITLE: |
|---|---|---|
| DAN BALLING | 12/12/2013 | PLANTER ROW OUTSIDE CORNER |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. PR-02 |
| SCALE: 1: 4 | | SHEET 1 OF 1 |
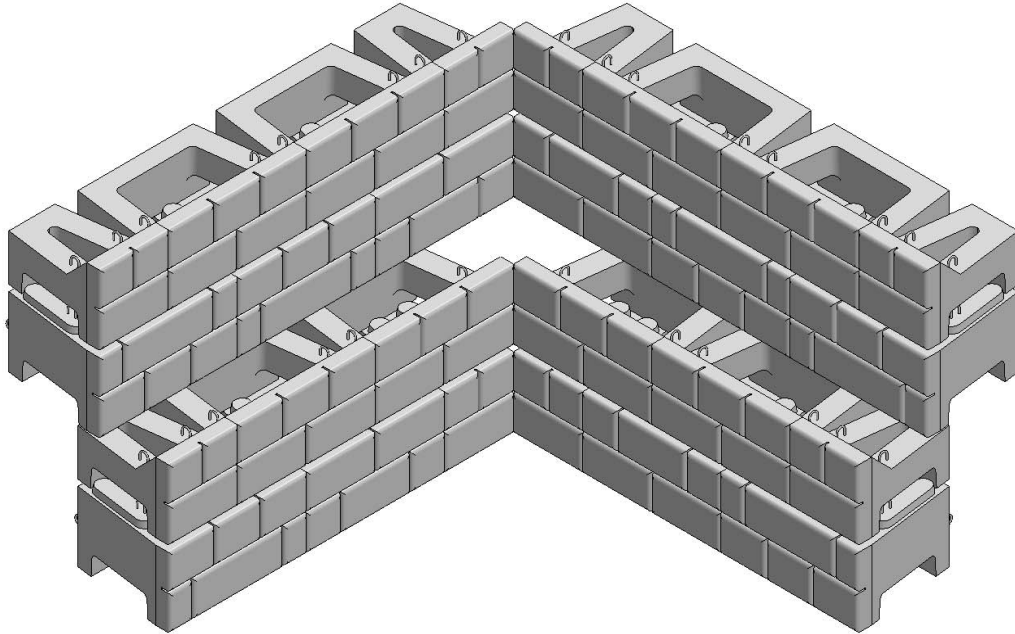
BATTER INCREASES BY 2 3/16" FOR EACH ROW
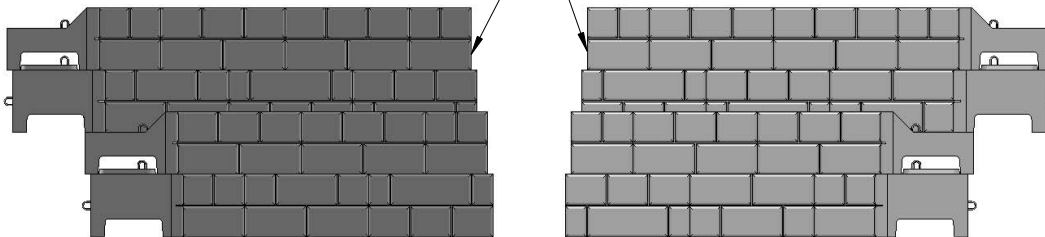
| DRAWN BY | DATE | TITLE: |
|----------|------|--------|
| DAN BALLING | 12/12/2013 | PLANTER ROW INSIDE CORNER |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. PR-03 |
| | | SCALE: 1: 4     SHEET 1 OF 1 |

**INTERLACED INSIDE CORNER DETAIL**

F
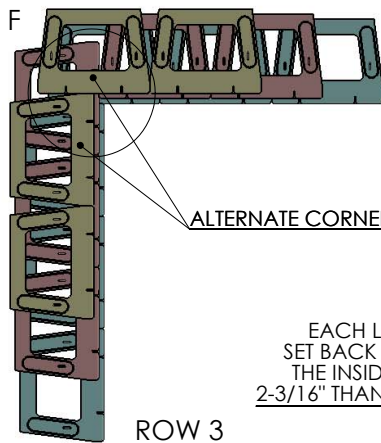
ALTERNATE CORNER OVERLAP

EACH LEVEL WILL BE
SET BACK AND TOWARD
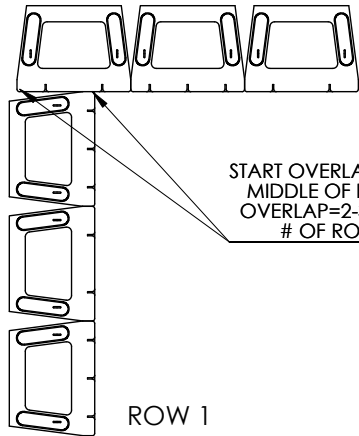THE INSIDE CORNER BY
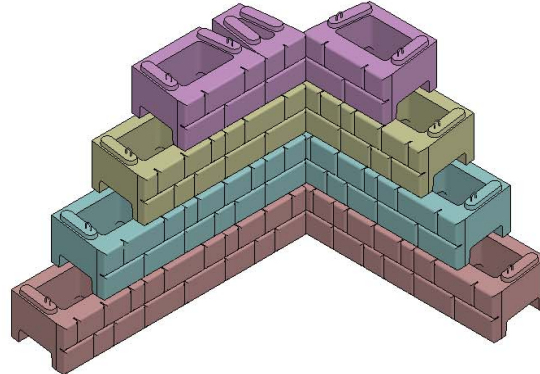2-3/16" THAN THE ONE BELOW

DETAIL F

ROW 3
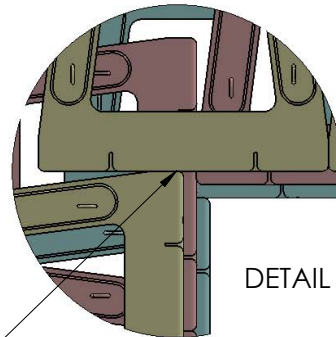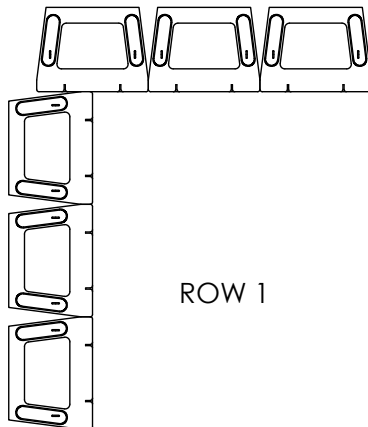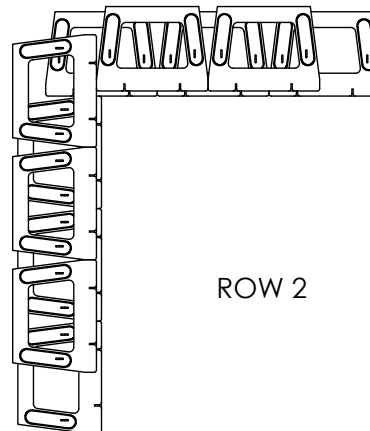
ROW 1

ROW 2

| DRAWN BY | DATE | TITLE: |
|---|---|---|
| DAN BALLING | 12/12/2013 | INTERLACED INSIDE CORNER |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. WD-1 |
| | | SCALE: 1: 60 · SHEET 1 OF 1 |

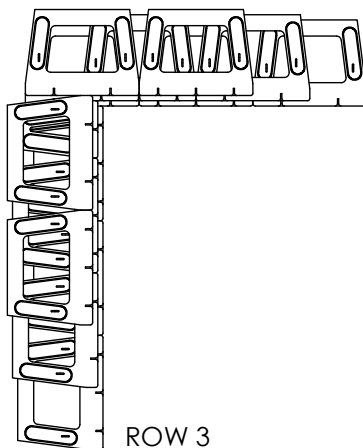# BUTT-JOINT INSIDE CORNER DETAIL



START OVERLAP FROM
MIDDLE OF BLOCK
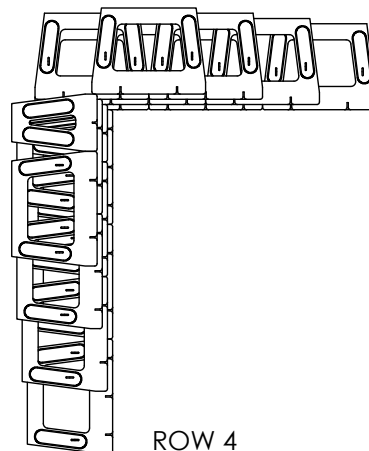OVERLAP=2-3/16" X
# OF ROWS

ROW 1
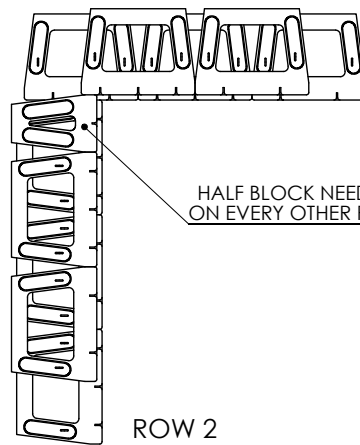
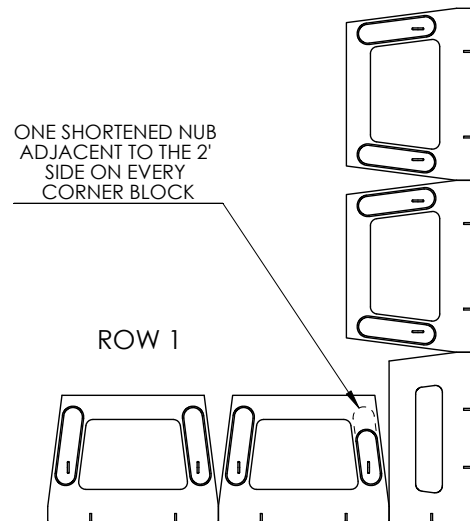HALF BLOCK NEEDED
ON EVERY OTHER ROW

ROW 2

ROW 3

ROW 4

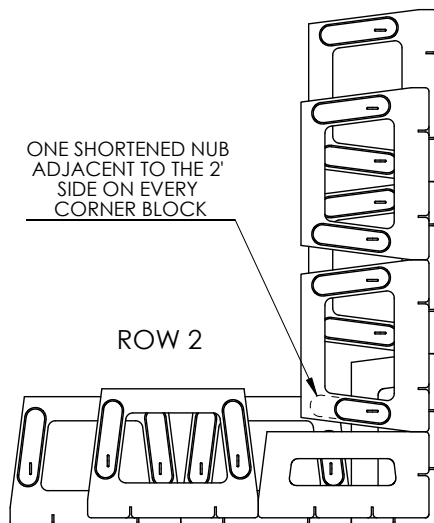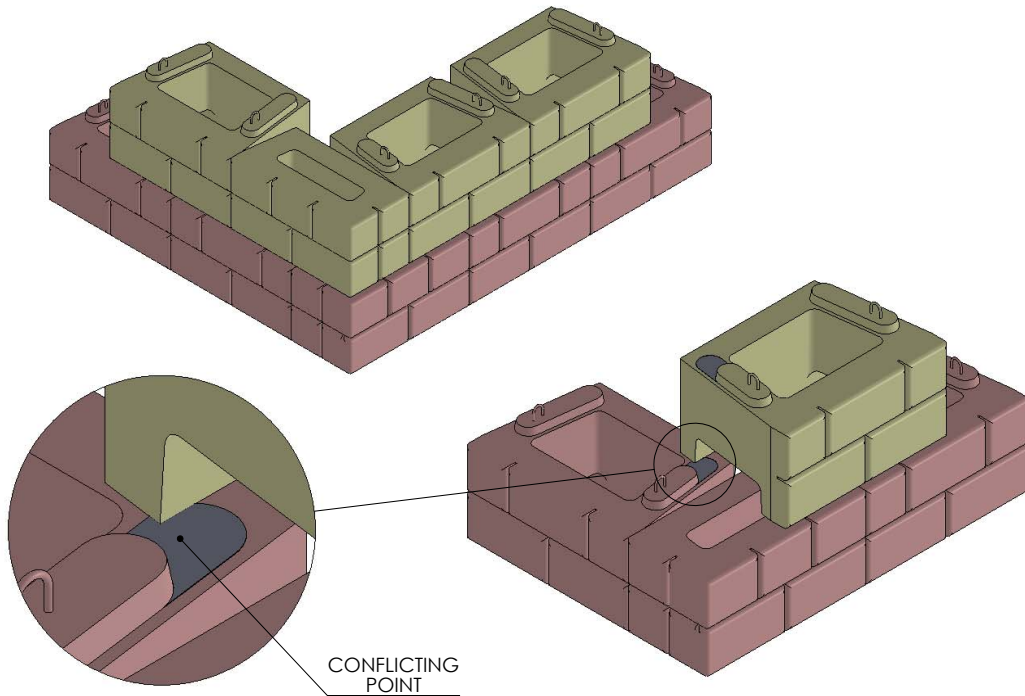| DRAWN BY | DATE | TITLE: |
|---|---|---|
| DAN BALLING | 12/12/2013 | BUTT-JOINT INSIDE CORNER |

| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | DWG NO. WD-2 |
|---|---|
| | SCALE: 1: 60 | SHEET 1 OF 1 |

## OUTSIDE CORNER DETAIL



CONFLICTING POINT

ONE SHORTENED NUB ADJACENT TO THE 2' SIDE ON EVERY CORNER BLOCK

ROW 2

ONE SHORTENED NUB ADJACENT TO THE 2' SIDE ON EVERY CORNER BLOCK

ROW 1

| DRAWN BY | DATE | TITLE: | |
|---|---|---|---|
| DAN BALLING | 12/12/2013 | OUTSIDE CORNER | |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. WD-3 | |
| | | SCALE: 1: 40 | SHEET 1 OF 1 |

# OUTSIDE CORNER WITH MASS EXTENDERS DETAIL



CONFLICTING POINT

60" MASS EXTENDER BLOCK

48" MASS EXTENDER BLOCK ADJACENT TO 2' SIDE OF CORNER BLOCK

ONE SHORTENED NUB ADJACENT TO THE 2' SIDE ON EVERY CORNER BLOCK

ROW 2

ROW 1
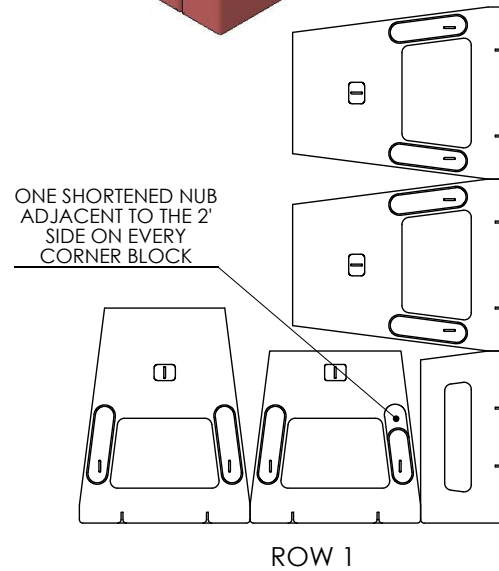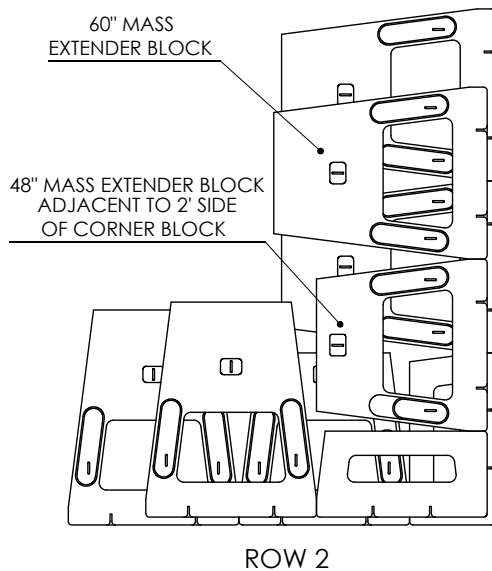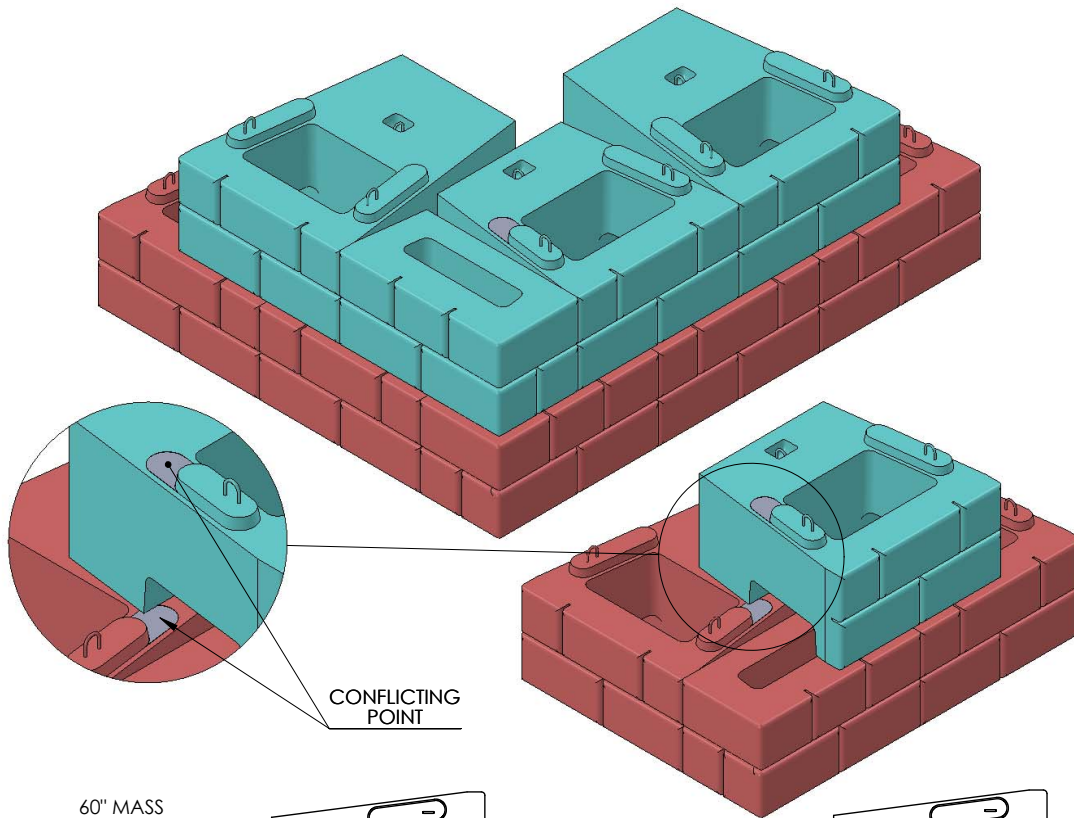
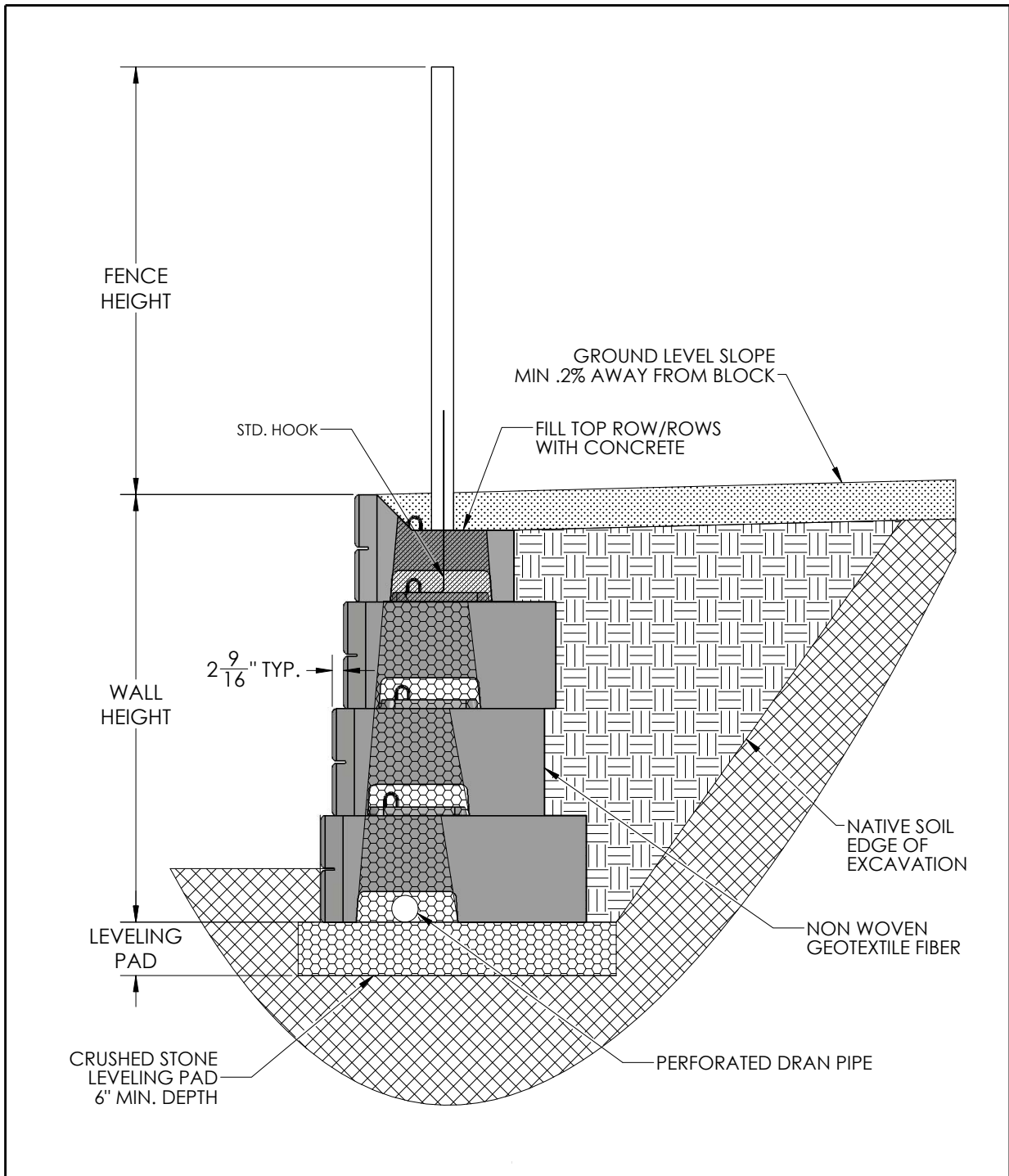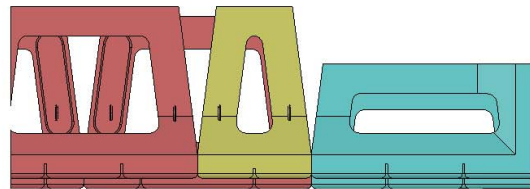| | DRAWN BY | DATE | TITLE: |
|---|---|---|---|
| | DAN BALLING | 12/12/2013 | OUTSIDE CORNER w/ ME |
| | 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. WD-5 |
| | | | SCALE: 1: 40     SHEET 1 OF 1 |

## OUTSIDE CORNER WITH MASS EXTENDERS DETAIL



CONFLICTING POINT

72" MASS EXTENDER BLOCK

ONE SHORTENED NUB ADJACENT TO THE 2' SIDE ON EVERY CORNER BLOCK

48" MASS EXTENDER BLOCK ADJACENT TO 2' SIDE OF CORNER BLOCK

84" MASS EXTENDER BLOCK
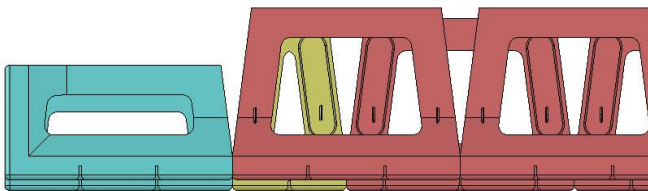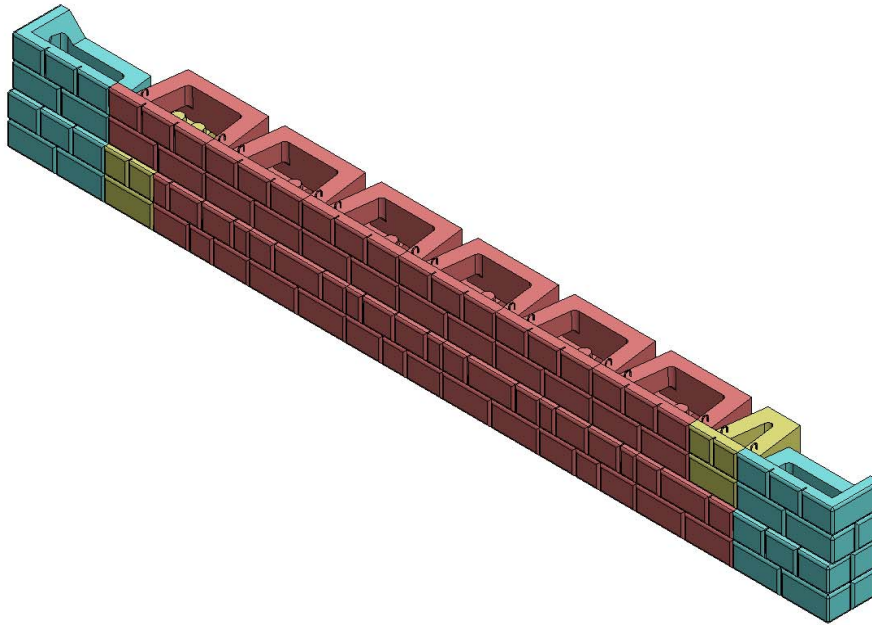
ROW 2

ROW 1
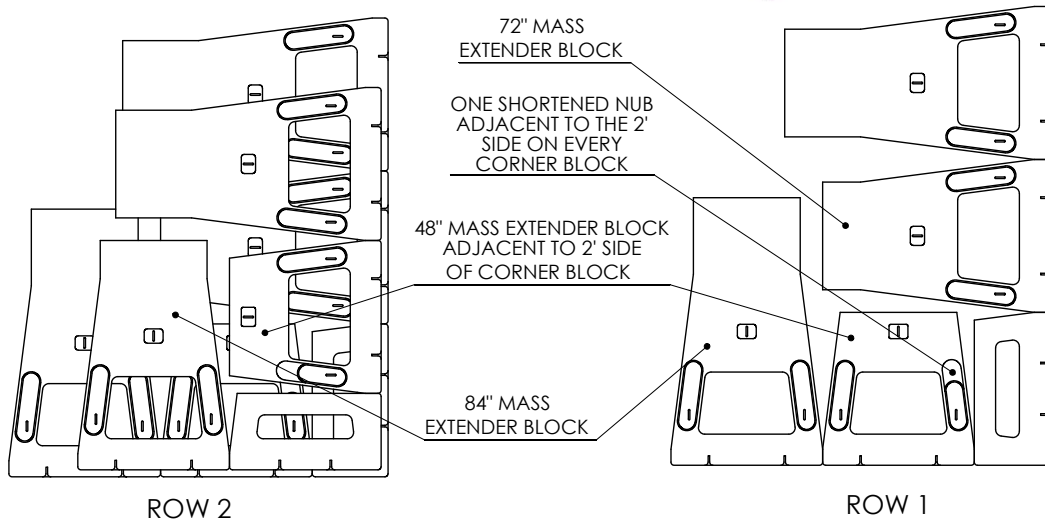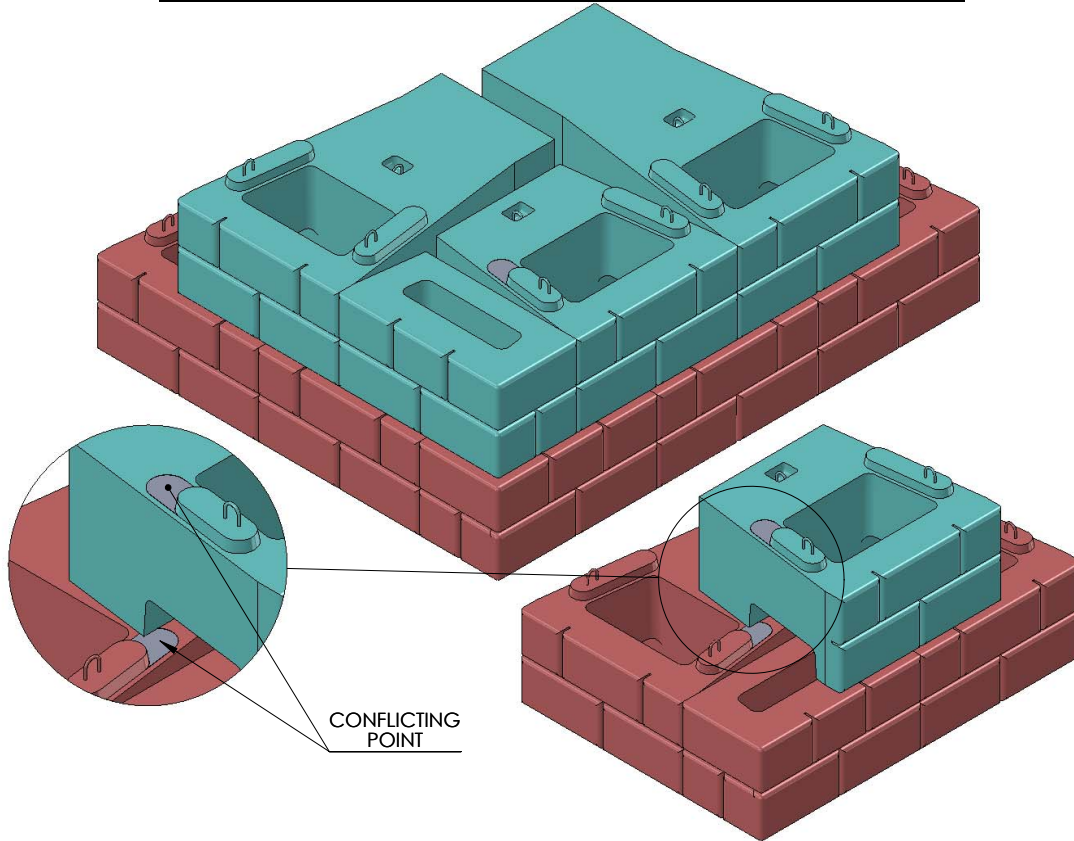
| DRAWN BY | DATE | TITLE: | |
|---|---|---|---|
| R FONTANESI | 6/5/2015 | OUTSIDE CORNER w/ 84" ME | |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. WD-22 | |
| | | SCALE: N/A | SHEET 1 OF 1 |

FENCE
HEIGHT

GROUND LEVEL SLOPE
MIN .2% AWAY FROM BLOCK

STD. HOOK

FILL TOP ROW/ROWS
WITH CONCRETE

$2\frac{9}{16}$" TYP.

WALL
HEIGHT

NATIVE SOIL
EDGE OF
EXCAVATION

LEVELING
PAD

NON WOVEN
GEOTEXTILE FIBER

CRUSHED STONE
LEVELING PAD
6" MIN. DEPTH

PERFORATED DRAN PIPE

Construction Drawings

## STRAIGHT FACE WITH SIMPLE 2' RETURNS



| DRAWN BY | DATE | TITLE: | |
|---|---|---|---|
| DAN BALLING | 12/12/2013 | **2' RETURN** | |
| 16500 SOUTH 500 WEST<br>BLUFFDALE, UTAH 84065<br>PHONE: (801) 571-2028 | | DWG NO.<br>**WD-4** | |
| | | SCALE: 1: 40 | SHEET 1 OF 1 |

# STRAIGHT FACE WITH SIMPLE 4' RETURNS



CORNER BLOCKS BACK TO BACK

LEVEL 1

6-1/2" NUB BLOCKOUT NEEDED

LEVEL 2

HALF TOP BLOCK REQUIRES BLOCKOUT ON BLOCK BELOW

LEVEL 3
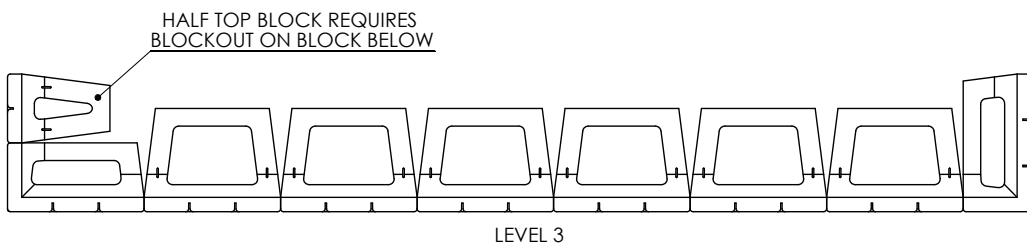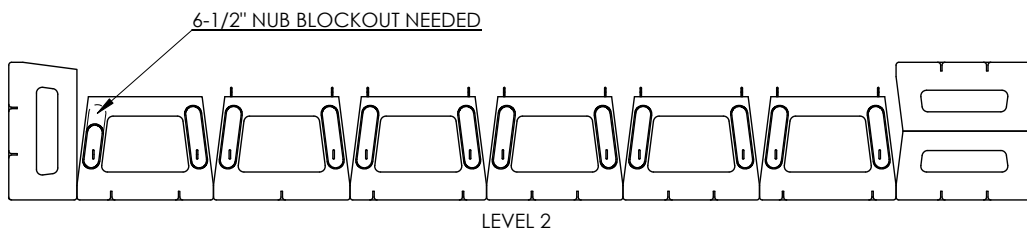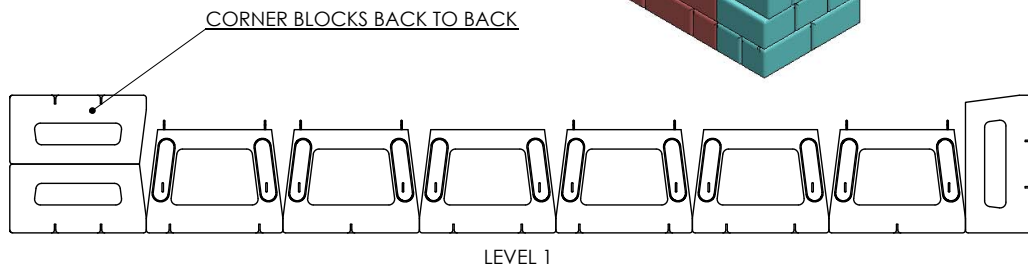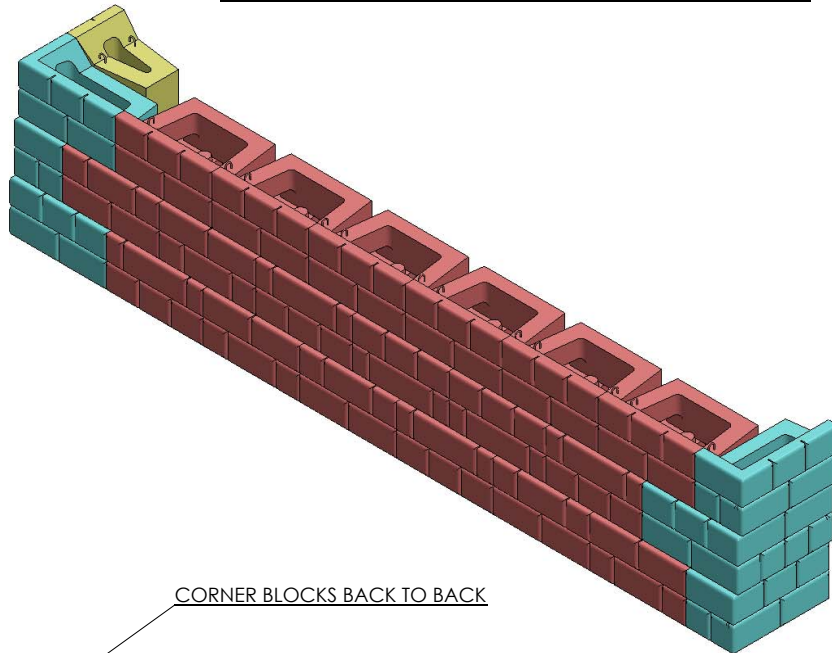
| DRAWN BY | DATE | TITLE: | |
|----------|------|--------|---|
| DAN BALLING | 12/12/2013 | **4' RETURN** | |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. **WD-07** | |
| | | SCALE: 1: 4 | SHEET 1 OF 1 |

VERTI BLOCK®

## 2' STEP DOWN WITH TOP CORNER GAP INSERTS



TOP CORNER
GAP INSERTS
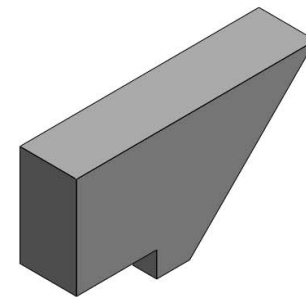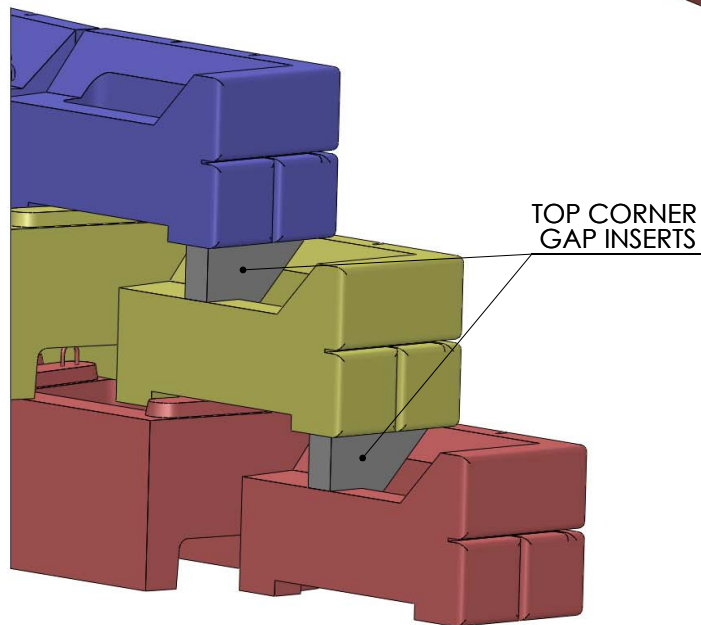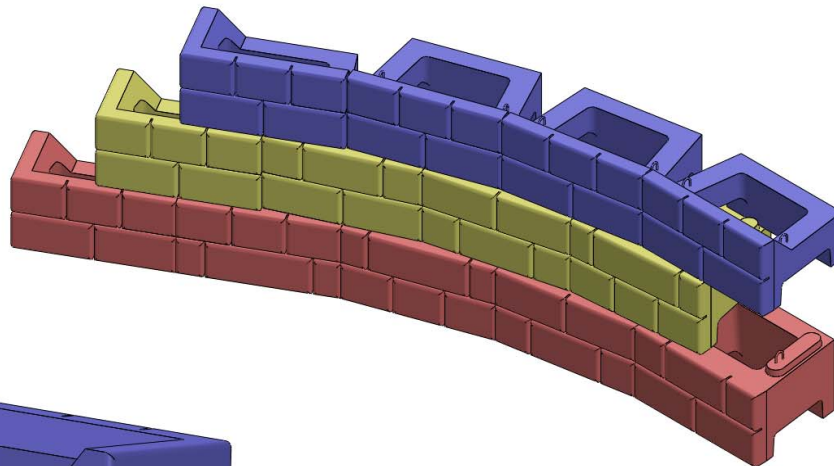
TOP CORNER GAP INSERT

| DRAWN BY | DATE | TITLE: | |
|---|---|---|---|
| DAN BALLING | 12/12/2013 | 2' STEP DOWN | |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. WD-8 | |
| | | SCALE: 1: 40 | SHEET 1 OF 1 |

# 6' STEP DOWN WITH TOP STANDARD GAP INSERT



TOP STANDARD
GAP INSERT

TOP STANDARD GAP INSERT

## 6' STEP DOWN WITH HALF-STEP BLOCK AND TOP CORNER GAP INSERT



TOP CORNER GAP INSERT
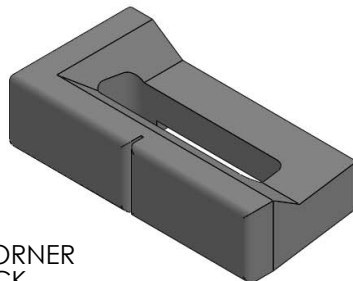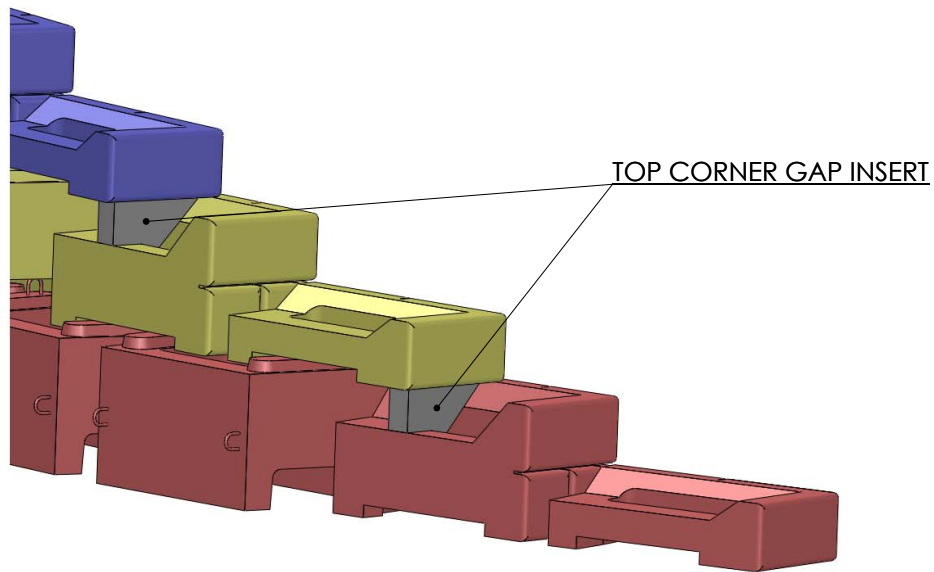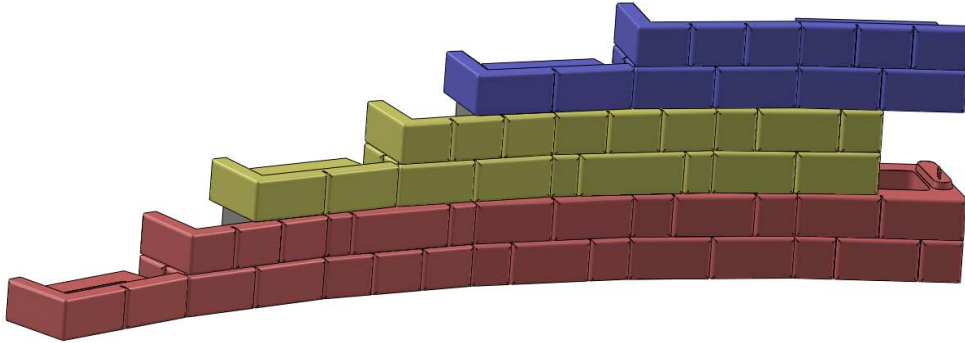
HALF-STEP CORNER
TOP BLOCK
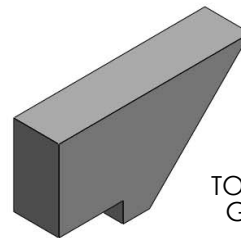
TOP CORNER
GAP INSERT

| DRAWN BY | DATE | TITLE: |
|---|---|---|
| DAN BALLING | 12/12/2013 | 6' STEP W/ HALF STEP BLOCK |

16500 SOUTH 500 WEST
BLUFFDALE, UTAH 84065
PHONE: (801) 571-2028

DWG NO.

WD-10
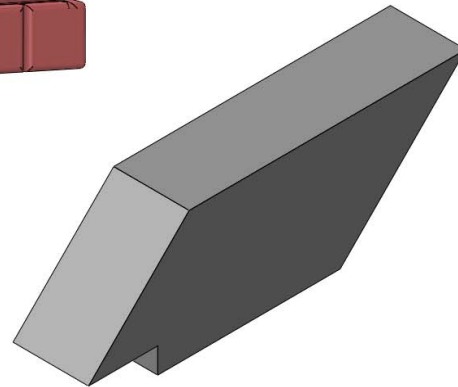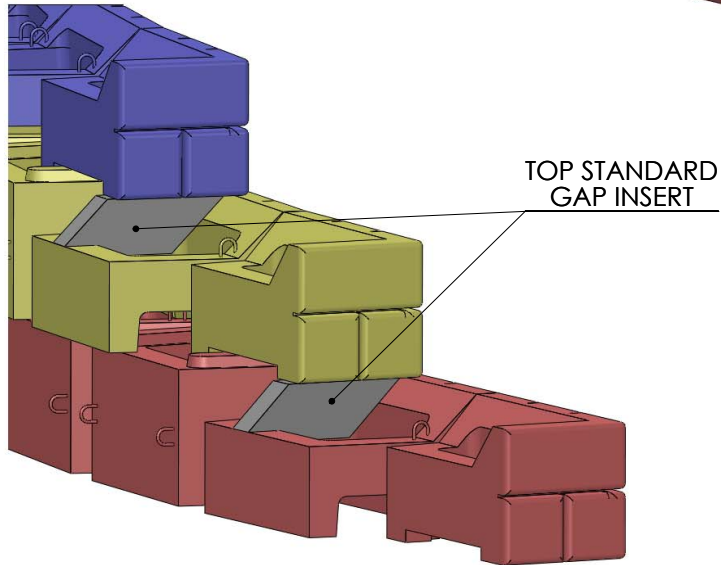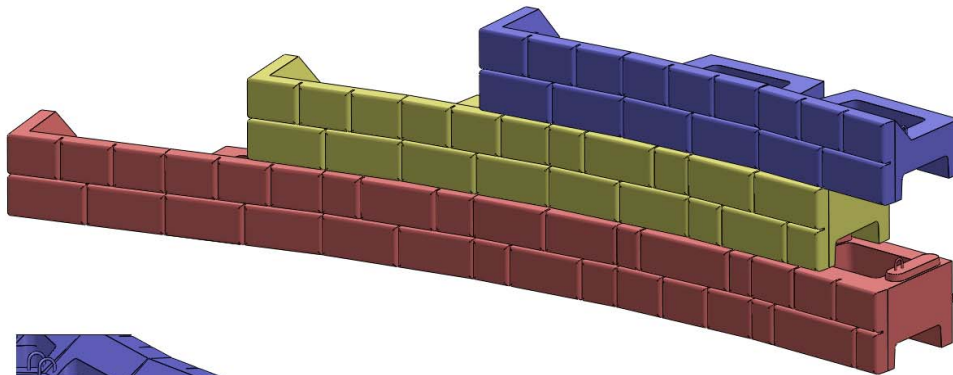
SCALE: 1: 40      SHEET 1 OF 1

# 10' STEP DOWN WITH HALF-STEP BLOCK
# AND TOP STANDARD GAP INSERT
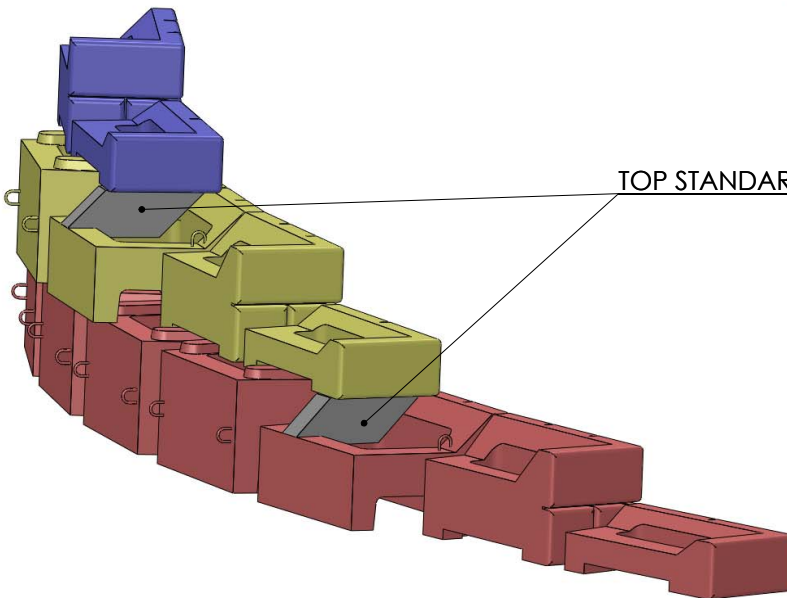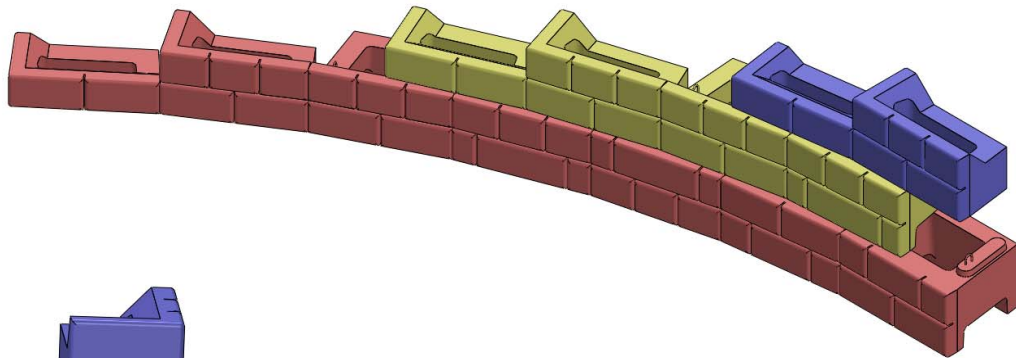


TOP STANDARD GAP INSERT
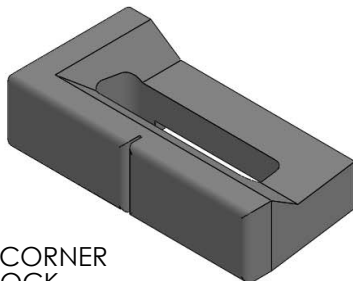
HALF-STEP CORNER
TOP BLOCK
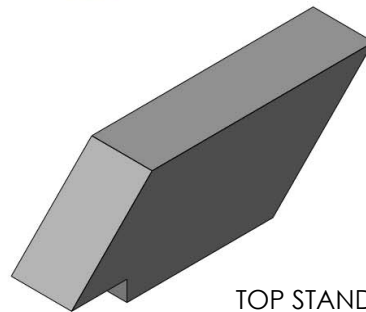
TOP STANDARD
GAP INSERT

| DRAWN BY | DATE | TITLE: |
|---|---|---|
| DAN BALLING | 12/12/2013 | 10' STEP W/ HALF STEP BLOCK |

16500 SOUTH 500 WEST
BLUFFDALE, UTAH 84065
PHONE: (801) 571-2028

DWG NO.

WD-11

SCALE: 1: 40     SHEET 1 OF 1

**OUTSIDE CURVE DETAIL**
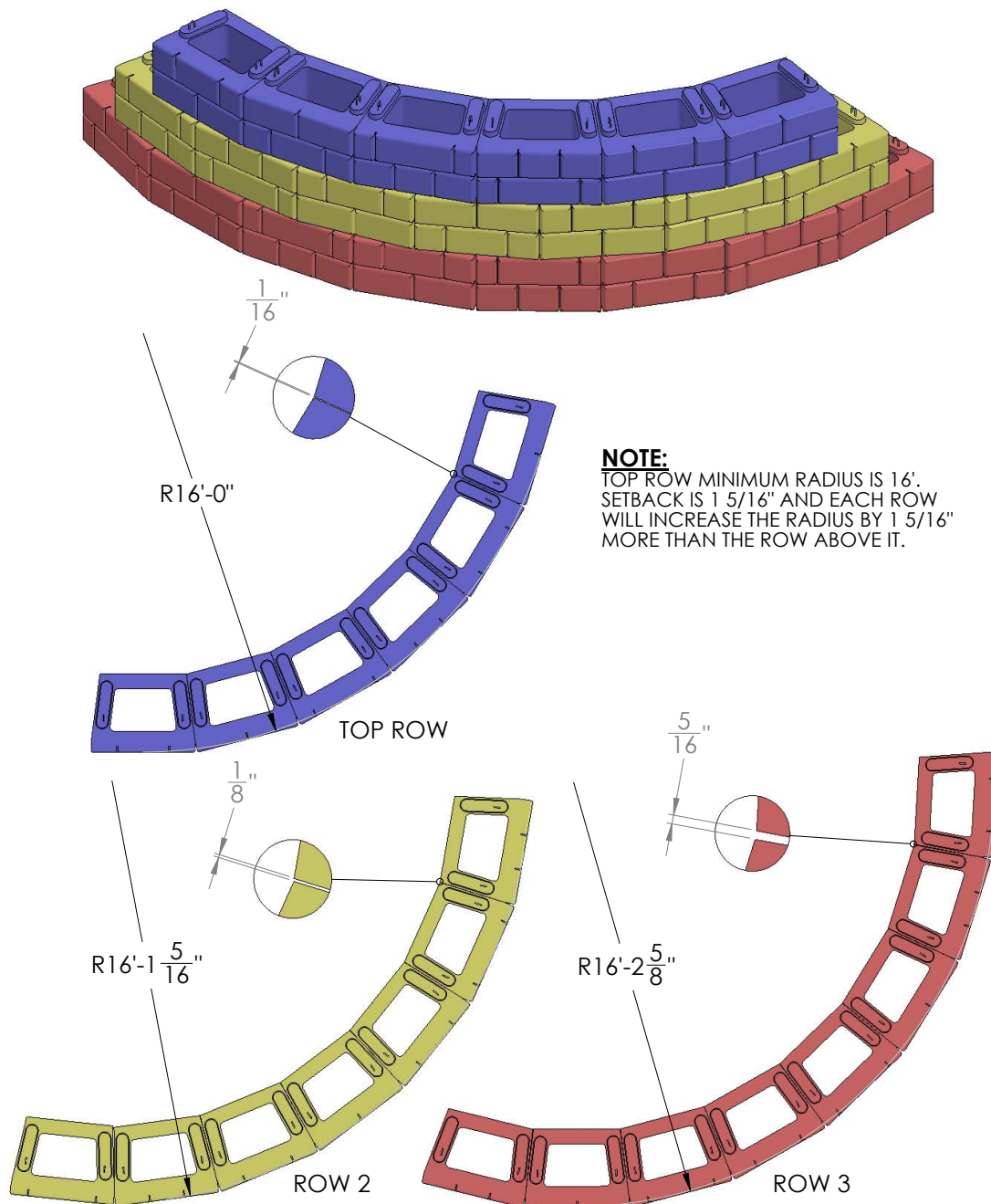


$\frac{1}{16}$"

R16'-0"

TOP ROW

**NOTE:**
TOP ROW MINIMUM RADIUS IS 16'.
SETBACK IS 1 5/16" AND EACH ROW
WILL INCREASE THE RADIUS BY 1 5/16"
MORE THAN THE ROW ABOVE IT.

$\frac{1}{8}$"

R16'-1$\frac{5}{16}$"

ROW 2

$\frac{5}{16}$"

R16'-2$\frac{5}{8}$"

ROW 3

| DRAWN BY | DATE | TITLE: |
|---|---|---|
| DAN BALLING | 12/12/2013 | OUTSIDE CURVE |

16500 SOUTH 500 WEST
BLUFFDALE, UTAH 84065
PHONE: (801) 571-2028

DWG NO.

WD-6

SCALE: 1: 40

SHEET 1 OF 1

# INSIDE CURVE DETAIL

**NOTE:**
BOTTOM ROW MINIMUM RADIUS IS 16'.
SETBACK IS 2 3/4" AND EACH ROW
WILL INCREASE THE RADIUS BY 2 3/4"
MORE THAN THE ROW BELOW IT.

$R16'-5\frac{1}{2}"$

ROW 3

$R16'-2\frac{3}{4}"$

ROW 2

$R16'-0"$

ROW 1

| DRAWN BY | DATE | TITLE: | |
|---|---|---|---|
| DAN BALLING | 12/12/2013 | **INSIDE CURVE** | |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. **WD-12** | |
| | | SCALE: 1: 40 | SHEET 1 OF 1 |

Construction Drawings

.06

DETAIL A

R22'-9 $\frac{1}{4}$"

A

| DRAWN BY | DATE | TITLE: |
|---|---|---|
| R FONTANESI | 4/14/2015 | OUTSIDE CURVE W/ 84" ME |

16500 SOUTH 500 WEST
BLUFFDALE, UTAH 84065
PHONE: (801) 571-2028

DWG NO. WD-21

SCALE: NA | REVISION: 01 | SHEET 1 OF 1

1" MINUS GRAVEL INSIDE
AND BEHIND BLOCK
(DEPTH BELOW AND BEHIND WALL MUST
BE DETERMINED BY LICENSED ENGINEER
USING SITE SPECIFIC CONDITIONS)

GROUND SURFACE

NON-WOVEN
GEOTEXTILE
FABRIC

STONE TO BE PLACED ON
NON-WOVEN GOETEXTILE FABRIC
(STONE SIZE AND VOLUME TO BE SPECIFIED
BY LOCAL LICENCED ENGINEER)

NON-WOVEN
GEOTEXTILE
FABRIC

BLOCK DEPTH TO BE SPECIFIED
BY LICENCED ENGINEER BASED
ON SITE CONDITIONS

NOTE:
    SEA WALLS MUST BE DESIGNED AND CHECKED BY LICENSED PROFESSIONAL
    ENGINEER DUE TO THE HIGH VARIETY OF VARIABLES FOR ANY GIVEN APPLICATION.

| DRAWN BY | DATE | TITLE: |
| DAN BALLING | 12/12/2013 | SEA WALL DETAIL |

16500 SOUTH 500 WEST
BLUFFDALE, UTAH 84065
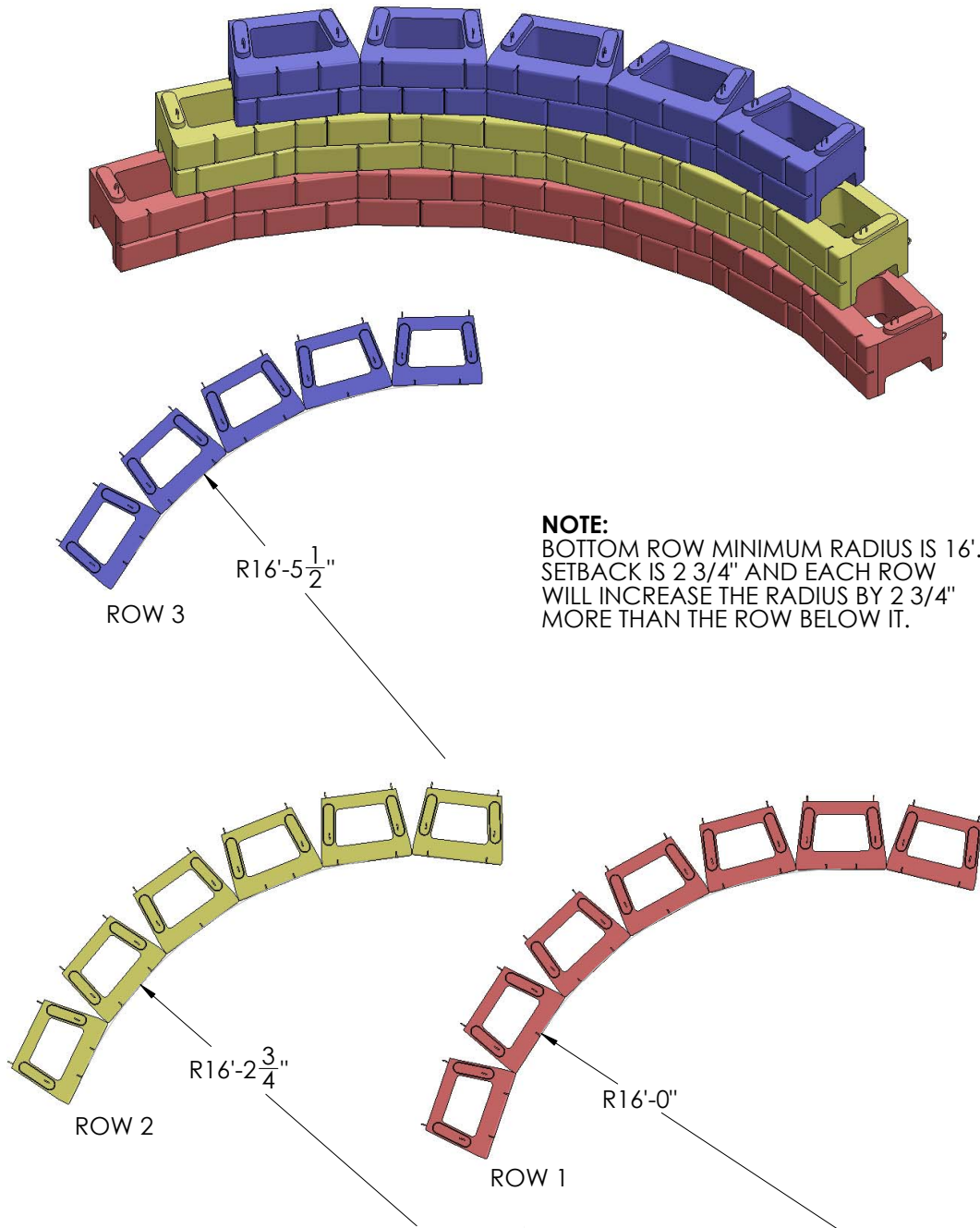PHONE: (801) 571-2028

DWG NO.

WD-13

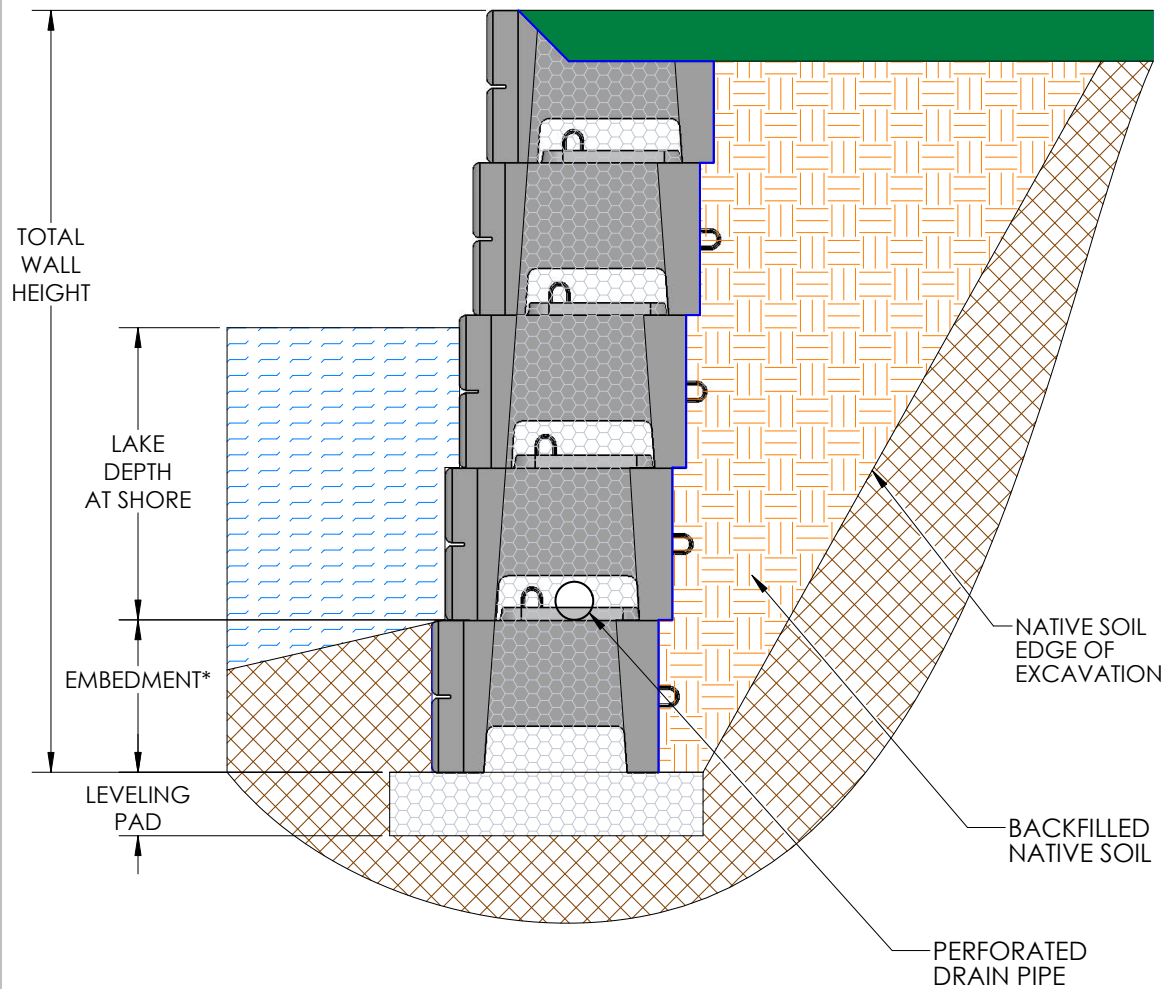SCALE: 1: 4

SHEET 1 OF 1

Construction
Drawings

RIVER DETAIL

VARIES (17'-0")

PROPOSED WALL CONSTRUCTION REFERENCE LINE

3'0"        5'-0"

PROPOSED RAILING

PROPOSED 4" CONCRETE SIDEWALK

PROPOSED 4" OF TOPSOIL

EXISTING GRADE

TOP OF PROPOSED CONCRETE BLOCK WALL (6 BLOCK COURSE) ELEV=742.75

PROPOSED 1'-5" SUBBASE

1 ON 1 SLOPE

PROPOSED GEOGRID (TYP) (ONLY AT TALL WALL)

W.S.E.L. = 732.75 (PER CURRENT SURVEY

PROPOSED EXCAVATION LIMIT

PROPOSED GEOTEXTILE LINER (TYP AT BLOCK JOINTS)

2'-0"

PROPOSED GEOTEXTILE LINER

TOP OF PROPOSED TREMIE AND STEEL SHEET PILING CUT -OFF

PROPOSED DRAINABLE FILL (COMPACTED STONE)

BOTTOM OF PROPOSED TREME ELEV=729.75

1' THICK TREME (CONCRETE GRADE T)

PROPOSED 4" UNDERDRAIN

EXISTING HP 12X42 PILE

PROPOSED STEEL SHEET PILING

BOTTOM OF 24' LONG PILE ELEV=719.50 (±)

FILL BOTTOM COURSE OF WALL BLOCK WITH CONCRETE

1" Ø X 2' LONG DOWEL

| DRAWN BY | DATE | TITLE: |
|---|---|---|
| D BALLING | 9/30/2013 | RIVER DETAIL |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. WD-19 |
| SCALE: 1: 45 | | SHEET 1 OF 1 |

# LAKESHORE WALL DETAIL



TOTAL
WALL
HEIGHT

LAKE
DEPTH
AT SHORE

EMBEDMENT*

LEVELING
PAD

NATIVE SOIL
EDGE OF
EXCAVATION

BACKFILLED
NATIVE SOIL

PERFORATED
DRAIN PIPE

*EMBEDMENT MUST BE DEEP ENOUGH FOR LEVELING PAD TO BE BELOW SCOUR LINE

| DRAWN BY | DATE | TITLE: |
|---|---|---|
| R FONTANESI | 11/16/2016 | LAKESHORE WALL |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. WD-42 |
| | | SCALE: 1: 30 — SHEET 1 OF 1 |

GRAVEL

SOIL

LEVELING PAD
COMPACTED GRAVEL

PERFORATED
DRAIN PIPE
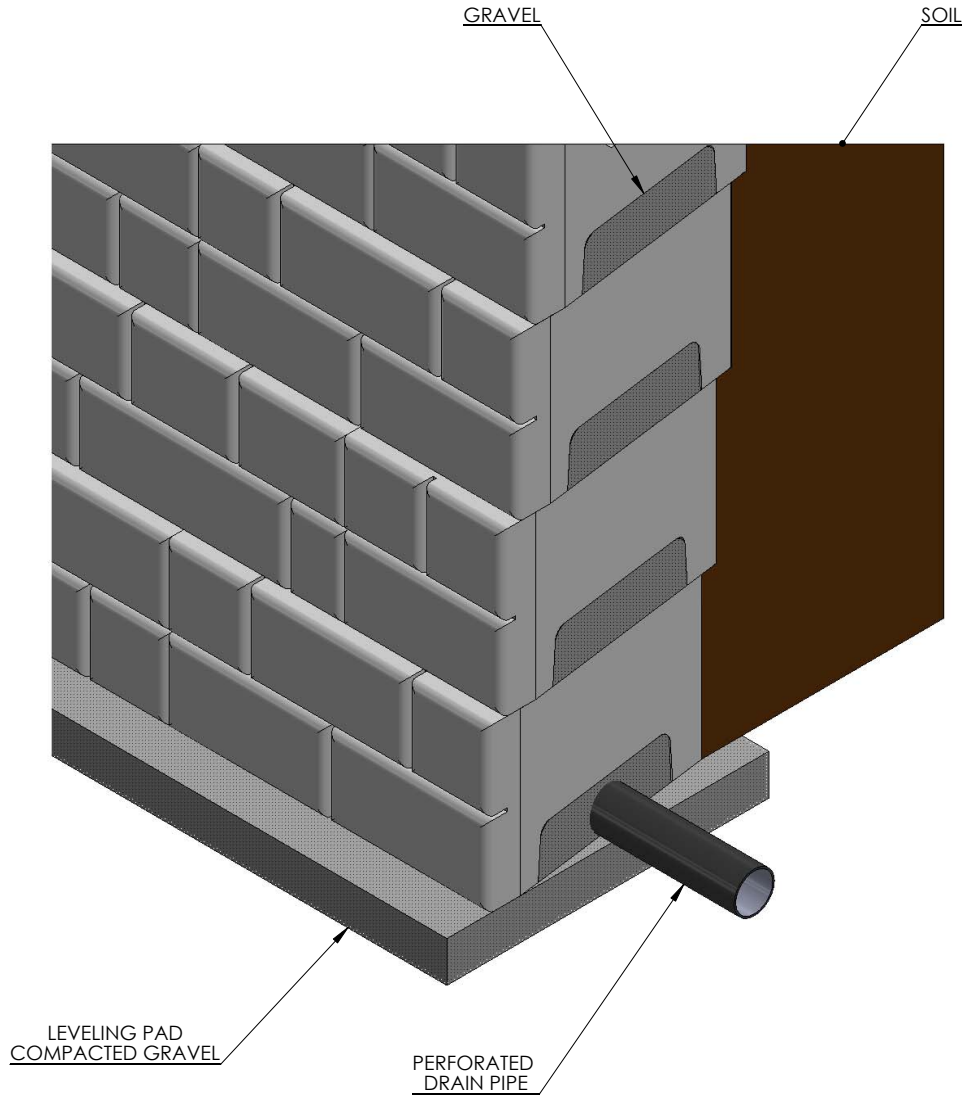
DRAIN PIPE IS PLACED INSIDE GAP AT THE BOTTOM OF THE BLOCK
AND ON TOP OF THE LEVLING PAD THEN COVERED WITH GRAVEL.

| DRAWN BY | DATE | TITLE: |
|----------|------|--------|
| DAN BALLING | 12/18/2013 | DRAIN PLACEMENT-OPTION #1 |

16500 SOUTH 500 WEST
BLUFFDALE, UTAH 84065
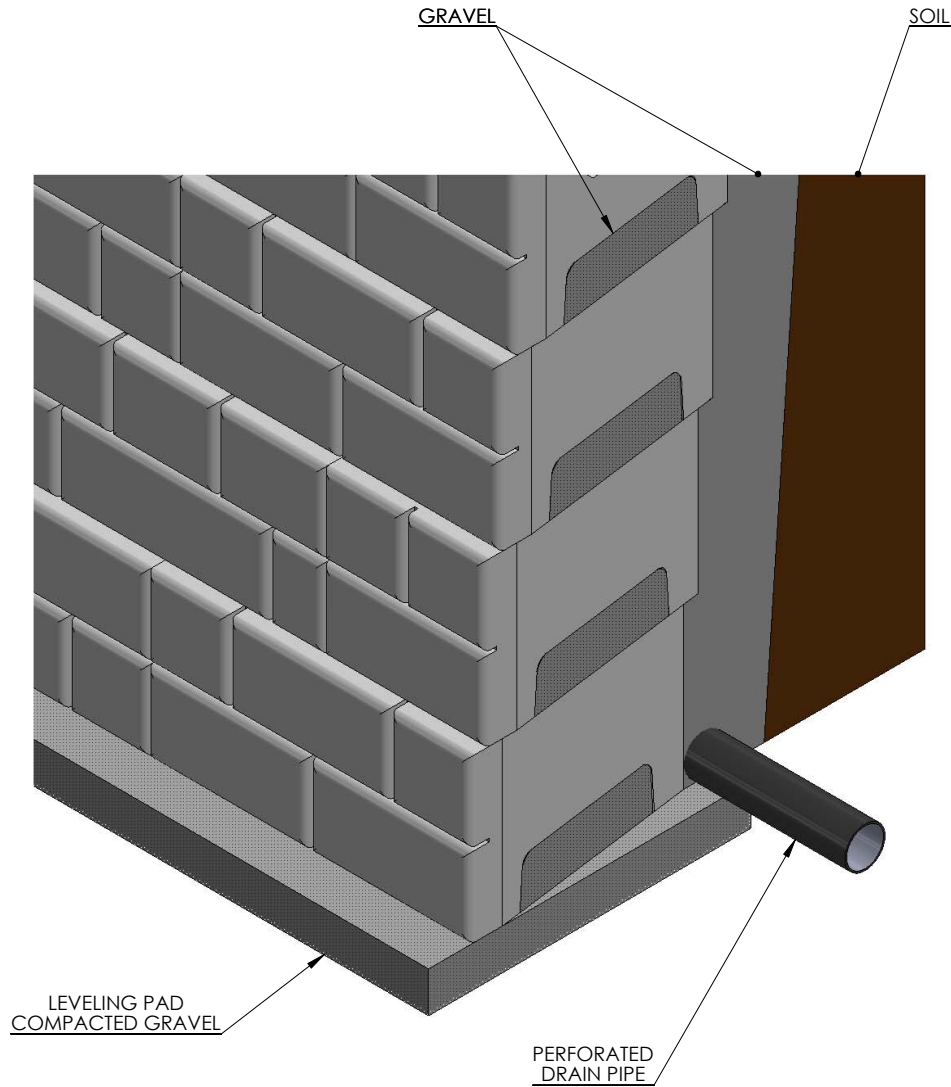PHONE: (801) 571-2028

DWG NO.

WD-16

SCALE: 1: 20     SHEET 1 OF 1

GRAVEL

SOIL

LEVELING PAD
COMPACTED GRAVEL

PERFORATED
DRAIN PIPE
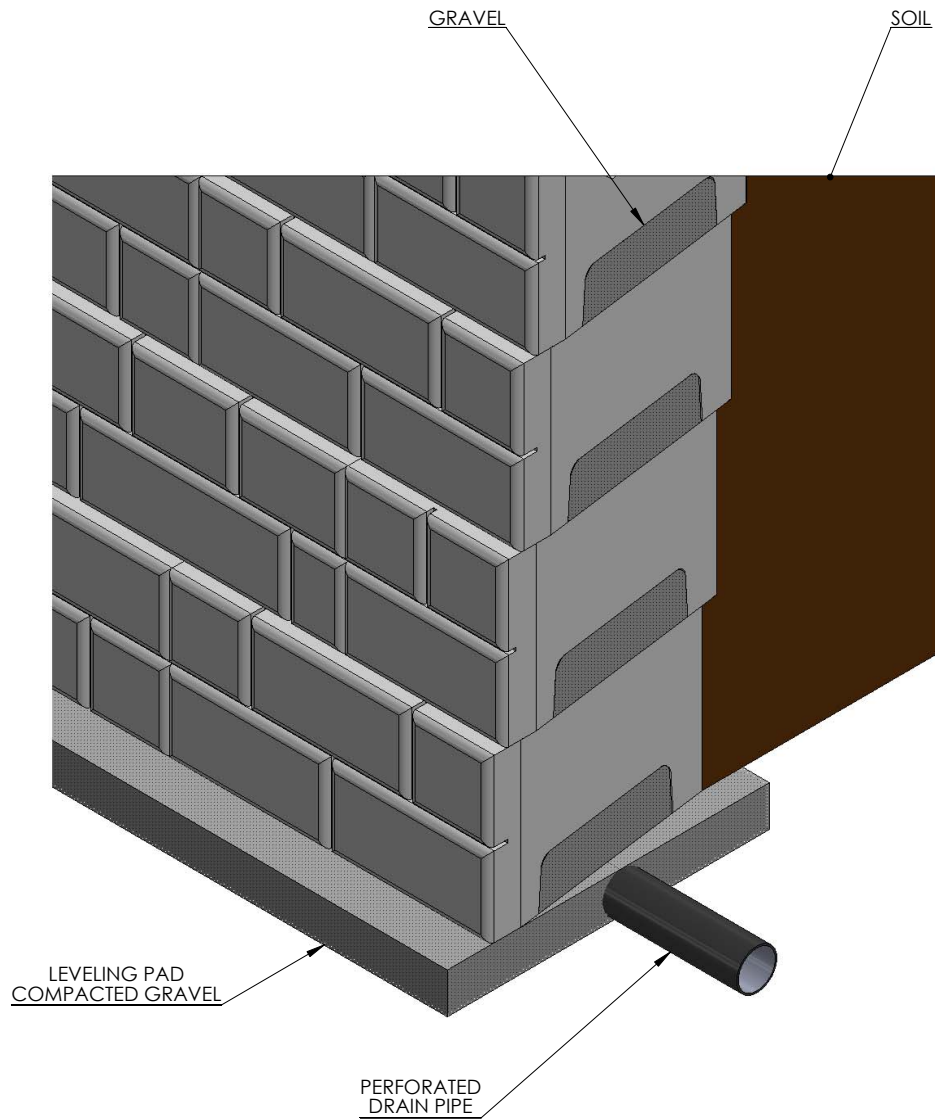
DRAIN PIPE IS PLACED INSIDE
THE COMPACTED GRAVEL
OF THE LEVELING PAD

| DRAWN BY | DATE | TITLE: |
|---|---|---|
| DAN BALLING | 12/12/2013 | DRAIN PLACEMENT-OPTION #2 |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. WD-17 |
| | | SCALE: 1: 20 — SHEET 1 OF 1 |

GRAVEL                                    SOIL

LEVELING PAD
COMPACTED GRAVEL

PERFORATED
DRAIN PIPE

DRAIN PIPE IS PLACED BEHIND THE BLOCK AND ON TOP OF THE LEVENING PAD.
THIS OPTION REQUIRES 1' OF LOOSE GRAVEL BEHIND THE WALL.
IF DRAINAGE IS A MAJOR CONCERN FOR AN APLICATION THIS OPTION
MAY BE USED ALONG WITH OPTION 1 OR 2

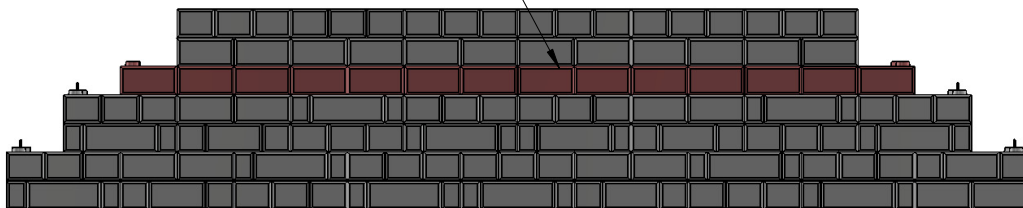| DRAWN BY | DATE | TITLE: |
|---|---|---|
| DAN BALLING | 12/18/2013 | DRAIN PLACEMENT-OPTION #3 |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. WD-18 |
| SCALE: 1: 20 | | SHEET 1 OF 1 |
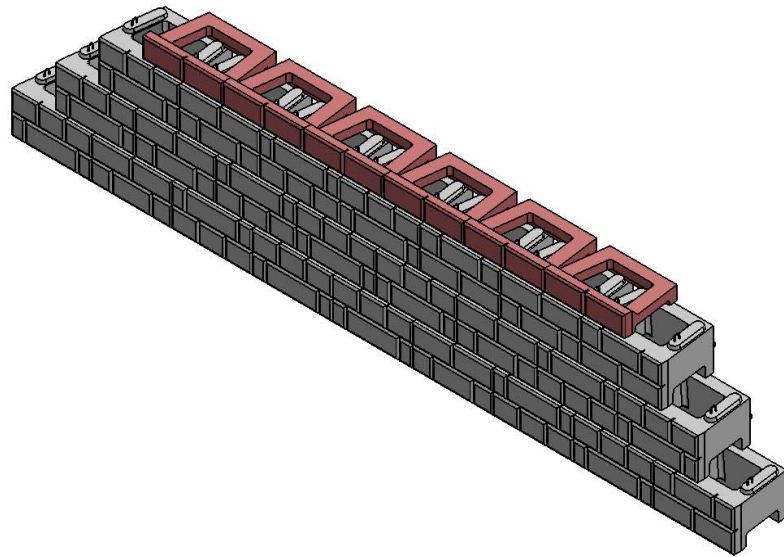
1 ROW OF HALF STEP BLOCKS
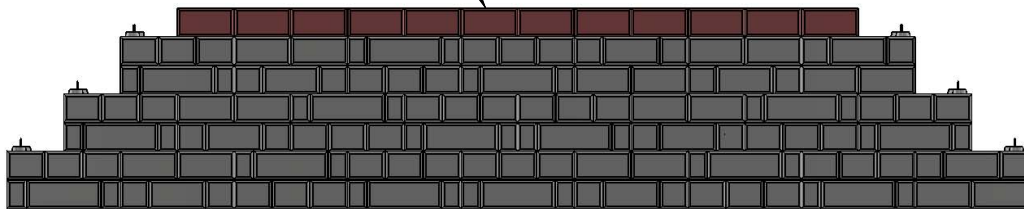
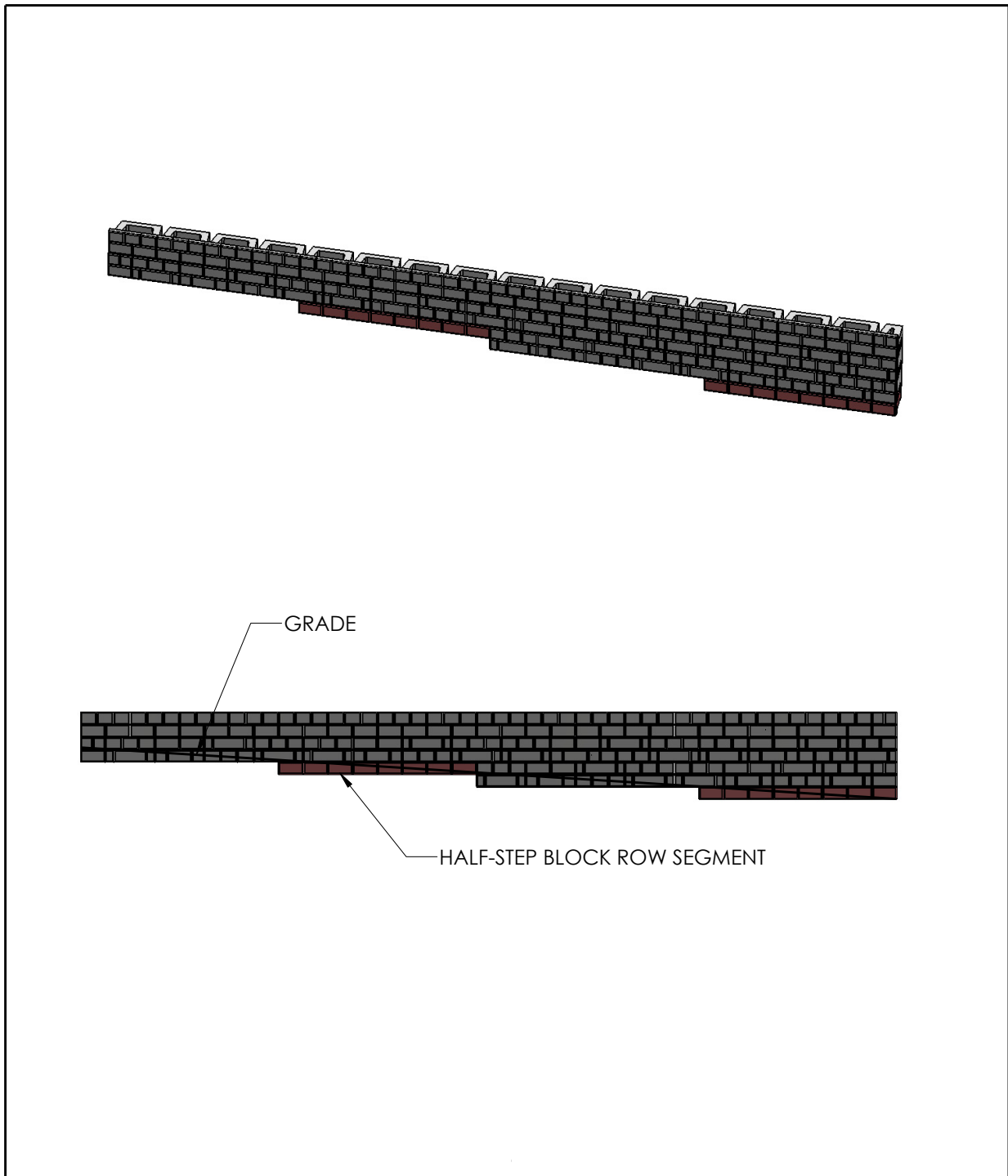| DRAWN BY | DATE | TITLE: |
|----------|------|--------|
| R FONTANESI | 10/23/2015 | HALF STEP TOP ROW |
| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | | DWG NO. WD-23 |
| | | SCALE: 1: 30     SHEET 1 OF 1 |
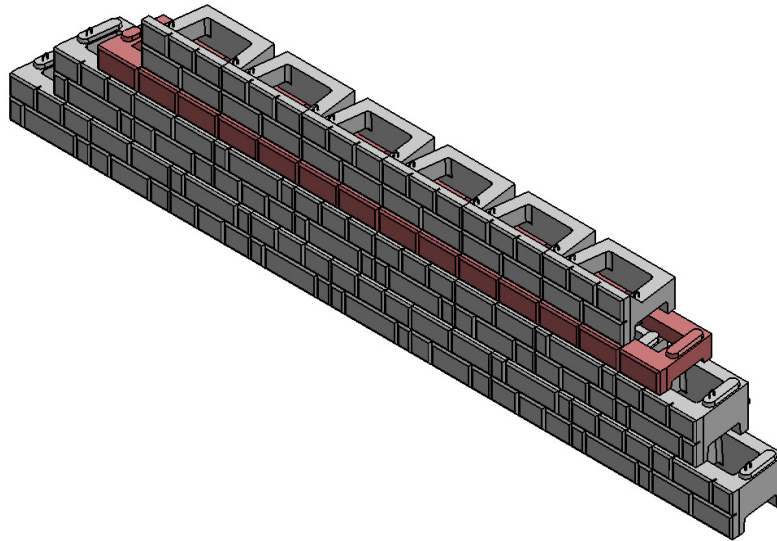
1 ROW OF HALF STEP BLOCKS



| DRAWN BY | DATE | TITLE: |
|---|---|---|
| R FONTANESI | 6/15/2015 | HALF STEP 2ND ROW |

16500 SOUTH 500 WEST
BLUFFDALE, UTAH 84065
PHONE: (801) 571-2028

DWG NO.

WD-24

SCALE: 1: 30

SHEET 1 OF 1

GRADE

HALF-STEP BLOCK ROW SEGMENT

| DRAWN BY | DATE | TITLE: |
|----------|------|--------|
| R FONTANESI | 6/16/2015 | BOTTOM ROW HALF STEP |

| 16500 SOUTH 500 WEST BLUFFDALE, UTAH 84065 PHONE: (801) 571-2028 | DWG NO. WD-25 |
|---|---|

SCALE: 1: 30      SHEET 1 OF 1