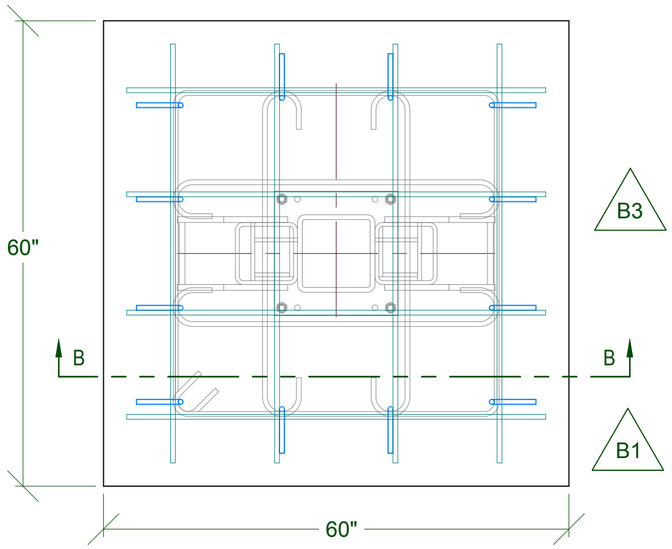
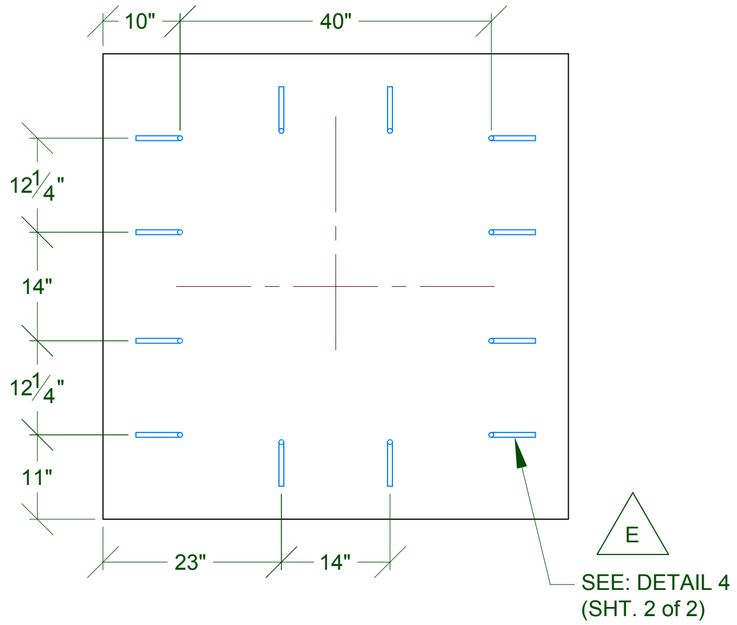


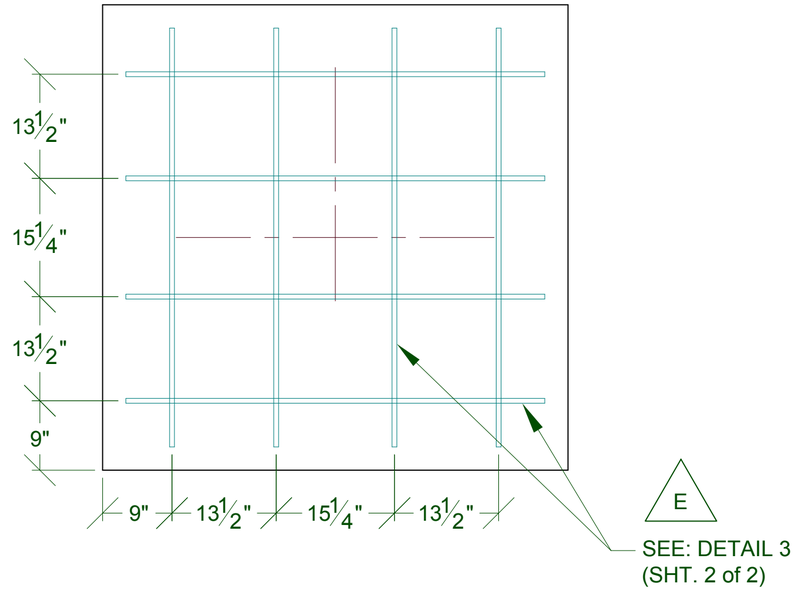
REINFORCEMENT PLAN

SCALE: NTS



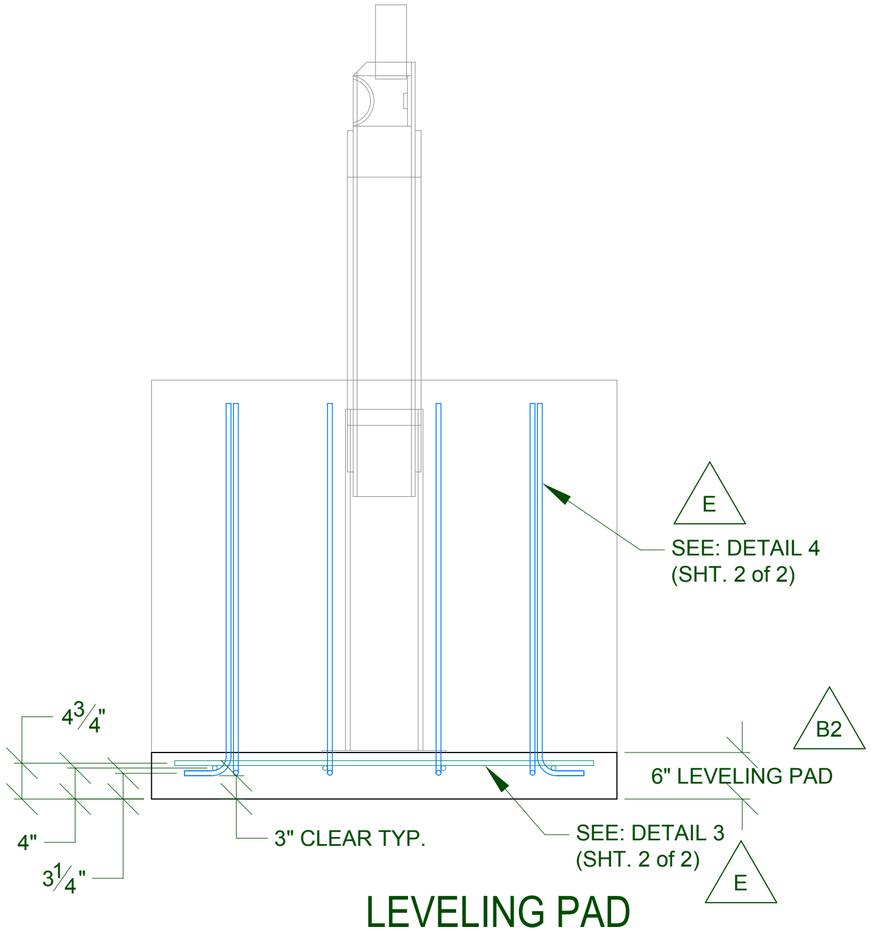
LEVELING PAD - 90° LEGS

SCALE: NTS
(PLACEMENT OF 90° LEGS)



LEVELING PAD - # REBAR

SCALE: NTS
APPROXIMATE LOCATION OF #5 REBAR
IN BOTH DIRECTIONS



LEVELING PAD
REINFORCEMENT PLAN SECTION

SCALE: NTS

PER: ASTM 2656-07, SPECIFICALLY 7.2.2;
THE FOUNDATION SHALL BE POURED ON UNDISTURBED SOIL, OR CONTROLLED AND COMPACTED FILL TO A DENSITY OF NOT LESS THAN 90% MAXIMUM DRY DENSITY IN ACCORDANCE WITH TEST METHODS D1556 AND D2922 AND AASHTO METHOD OF TEST T099.

SIDES OF FOUNDATION SHALL BE FORMED IN EXCAVATED MAT'L., IF POSSIBLE. OTHERWISE, SIDEWALLS SHALL BE FORMED WITH INDICATED DIMENSIONS. ALL BACKFILL MATERIAL AND REPLACEMENT METHODS MUST COMPLY WITH STATED CODES LISTED ABOVE.

INSTALL REBAR ITEMS 3 AND 4 WITH FIRST 6" CONC. LEVELING PAD POUR, BEFORE INSERTING THE STEEL BOLSTER ASSEMBLY AND FINAL REBAR.

ALL CONCRETE SHALL BE A CONTROLLED STONE GRAVEL MIX PRODUCED, TESTED, TRANSPORTED, PROTECTED, AND PLACED IN ACCORDANCE WITH THE LATEST AMERICAN CONCRETE INSTITUTE RECOMMENDATIONS. FOLLOW ACI RECOMMENDATIONS FOR CURING AND MIX DESIGN WITH CONSIDERATION FOR CLIMATE AND CONDITIONS.

OPTIMUM CONCRETE MIX: 4000 PSI COMPRESSIVE STRENGTH.
MINIMUM 600 LB./CU.YD. CEMENT CONTENT
MAXIMUM 0.50 WATER CONTENT.
6% AIR CONTENT
4" SLUMP

REINFORCING STEEL SHALL BE DEFORMED BARS (ASTM A-615) WITH A MINIMUM YIELD STRENGTH OF 60,000 PSI.

CHAMFER ALL EXPOSED CONCRETE EDGES 3/4".

DO NOT SCALE

Rev.:	Revisions:	Date:	Drn.By:	Ckd. By:
D	ADDED NOTE THAT ALL REBAR IS TO BE #5	12/12/13	MKS	DMR
C1	Changed the rebar qty. from 8 to 4 per ECR 010-013	01/28/13	SLD	KLL
C	Changed the rebar qty from 4 to 3 per ECR 010-013	01/28/13	SLD	KLL

Rev.:	Revisions:	Date:	Drn.By:	Ckd. By:
B3	Changed the rebar style	12/27/12	SLD	KLL
B2	Changed leveling pad from 3" to 6"	08/24/12	MKS	DMR
B1	Changed pad shape	08/24/12	MKS	DMR
A	Revised - Engineered K4 Crash Foundation Details	12/22/08	MKS	DMR

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
ANGLES ± 1°
X/X ± 1/32, .XX ± .01, .XXX ± .005

Date: 12/27/12
Drn. By: SLD
Ckd. By: KLL

AutoGate
Gate Entry Systems
Berlin Heights, Ohio
FAX (419) 588-3514

Dwg.: M-30 Foundation / Pad Details - YokeEnd.dwg

Title: M-30 SHIELD Crash Gate Foundation

E:\AUTOCAD DRAWINGS\CRASH GATE\M30 BOLSTERS AND FOUNDATIONS\K4 BOLSTER FOUNDATIONS\M-30 FOUNDATION-YOKEEND.DWG

PER: ASTM 2656-07, SPECIFICALLY 7.2.2;
THE FOUNDATION SHALL BE POURED ON UNDISTURBED SOIL, OR CONTROLLED AND COMPACTED FILL TO A DENSITY OF NOT LESS THAN 90% MAXIMUM DRY DENSITY IN ACCORDANCE WITH TEST METHODS D1556 AND D2922 AND AASHTO METHOD OF TEST T099.

SIDES OF FOUNDATION SHALL BE FORMED IN EXCAVATED MAT'L., IF POSSIBLE. OTHERWISE, SIDEWALLS SHALL BE FORMED WITH INDICATED DIMENSIONS. ALL BACKFILL MATERIAL AND REPLACEMENT METHODS MUST COMPLY WITH STATED CODES LISTED ABOVE.

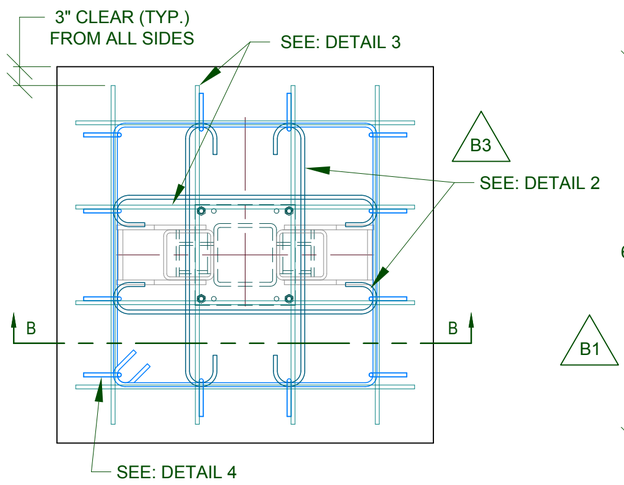
INSTALL REBAR ITEMS 5, 6, AND 7 WITH FIRST 6" CONC. LEVELING PAD POUR, BEFORE INSERTING THE STEEL BOLSTER ASSEMBLY AND FINAL REBAR.

ALL CONCRETE SHALL BE A CONTROLLED STONE GRAVEL MIX PRODUCED, TESTED, TRANSPORTED, PROTECTED, AND PLACED IN ACCORDANCE WITH THE LATEST AMERICAN CONCRETE INSTITUTE RECOMMENDATIONS. FOLLOW ACI RECOMMENDATIONS FOR CURING AND MIX DESIGN WITH CONSIDERATION FOR CLIMATE AND CONDITIONS.

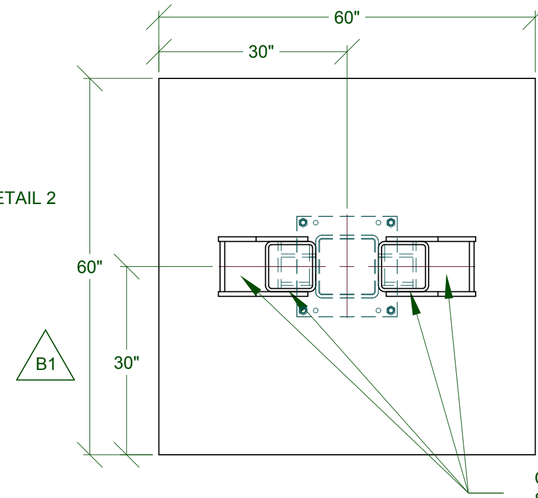
OPTIMUM CONCRETE MIX: 4000 PSI COMPRESSIVE STRENGTH.
MINIMUM 600 LB./CU.YD. CEMENT CONTENT
MAXIMUM 0.50 WATER CONTENT.
6% AIR CONTENT
4" SLUMP

REINFORCING STEEL SHALL BE DEFORMED BARS (ASTM A-615) WITH A MINIMUM YIELD STRENGTH OF 60,000 PSI.

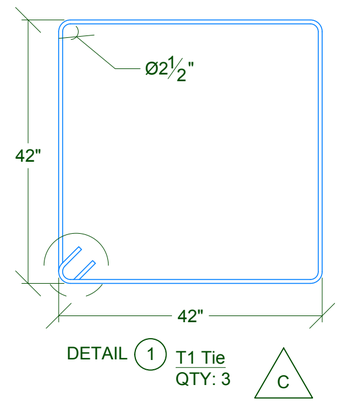
CHAMFER ALL EXPOSED CONCRETE EDGES 3/4".

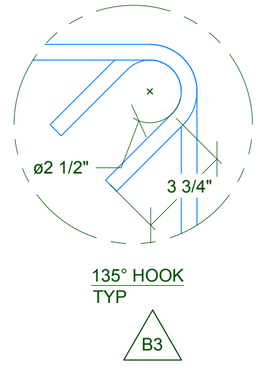


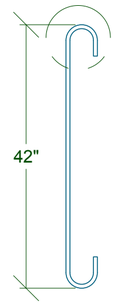
REINFORCEMENT PLAN
SCALE: NTS

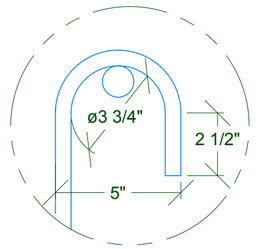


PLAN VIEW
SCALE: NTS

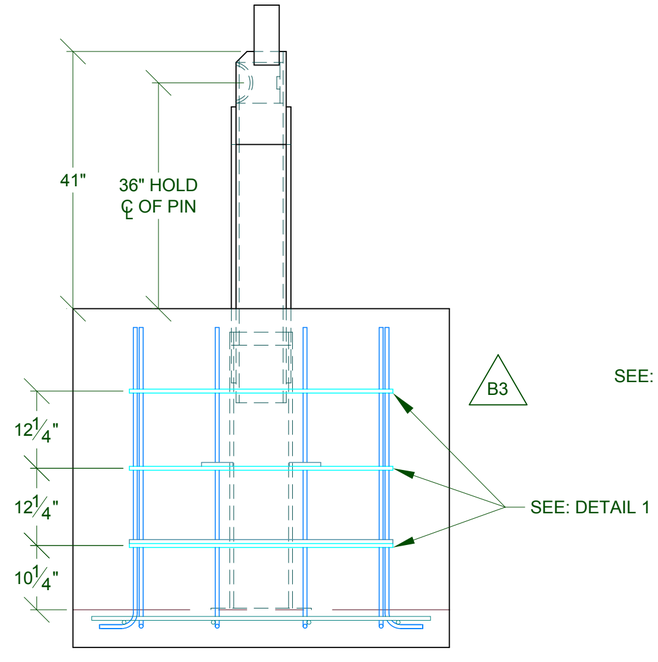




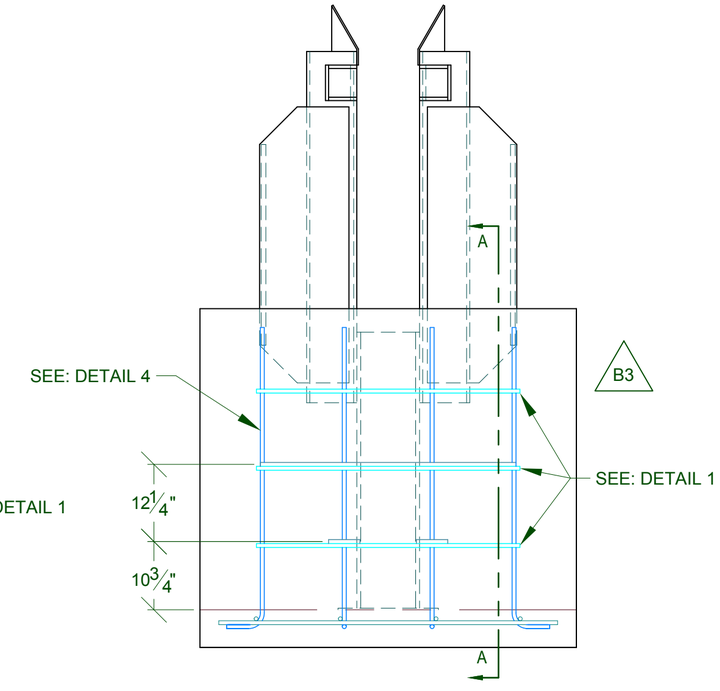




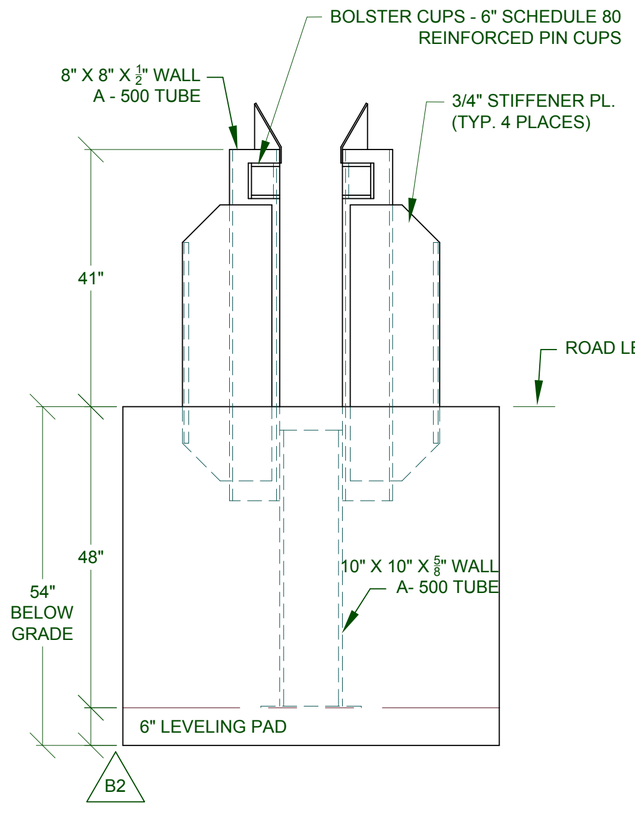
DETAIL 2 2-180° HOOKS
QTY: 4
C1



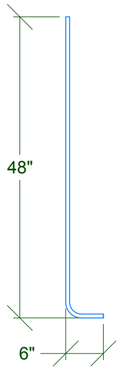
REINFORCEMENT SECTION "A-A"
SCALE: NTS



REINFORCEMENT SECTION "B-B"
SCALE: NTS



ELEVATION VIEW
SCALE: NTS



DETAIL 3 STRAIGHT
QTY: 8

DETAIL 4 90° LEG
QTY: 12

D NOTE: ALL REBAR TO BE #5

DO NOT SCALE

Rev.:	Revisions:	Date:	Drn.By:	Ckd. By:
D	ADDED NOTE THAT ALL REBAR IS TO BE #5	12/12/13	MKS	DMR
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Rev.:	Revisions:	Date:	Drn.By:	Ckd. By:
B3	Changed the rebar style	12/27/12	SLD	KLL
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A	Revised - Engineered K4 Crash Foundation Details	12/22/08	MKS	DMR

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
ANGLES ± 1°
X/X ± 1/32, .XX ± .01, .XXX ± .005

Date: 12/27/12
Drn. By: SLD
Ckd. By: KLL

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Dwg.: M-30 FOUNDATION-YokeEnd.dwg

Title: M-30 SHIELD Crash Gate Foundation

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