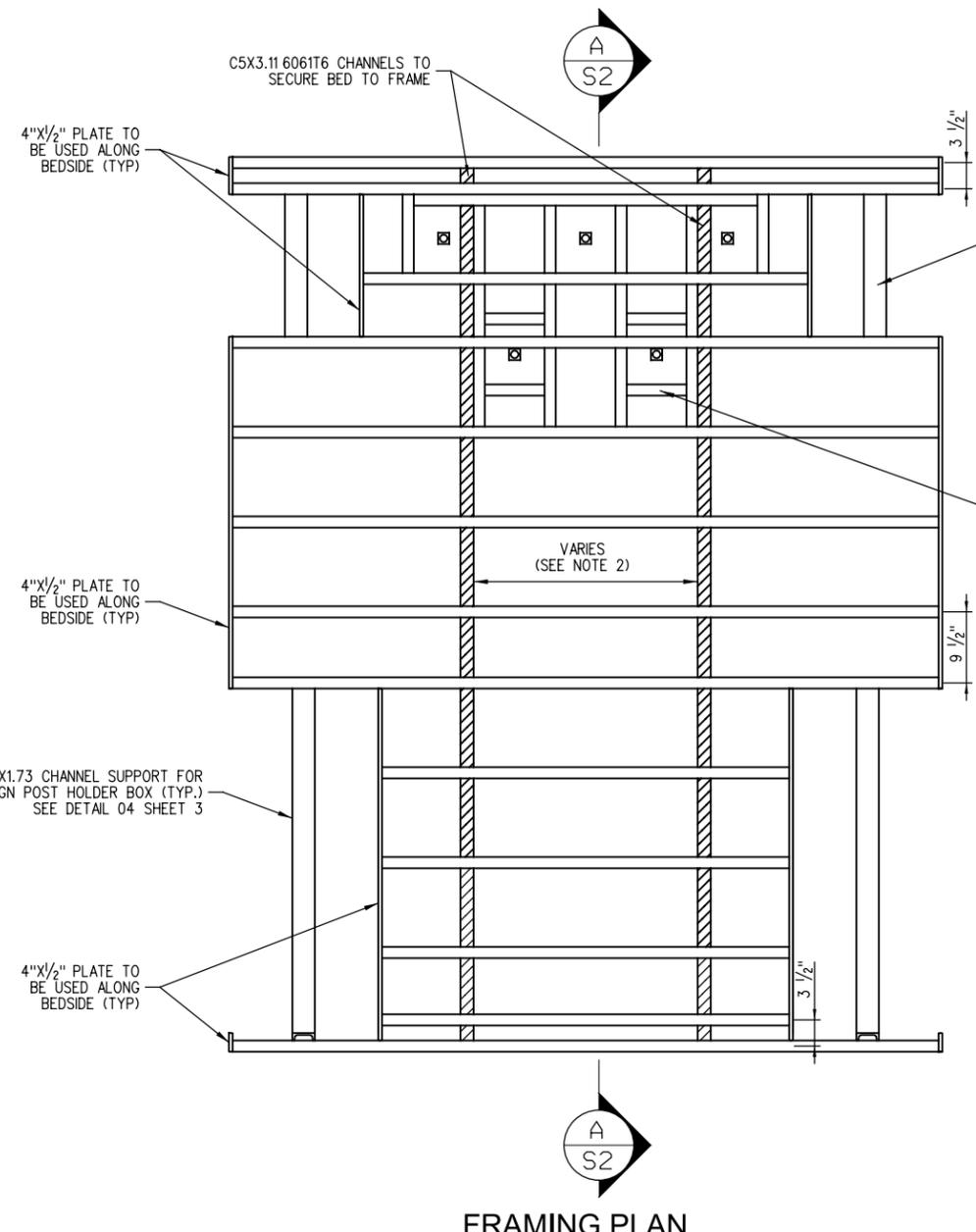
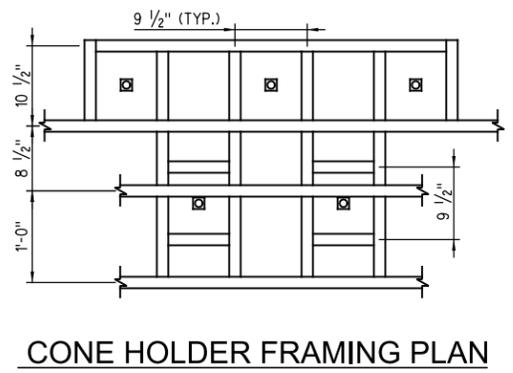


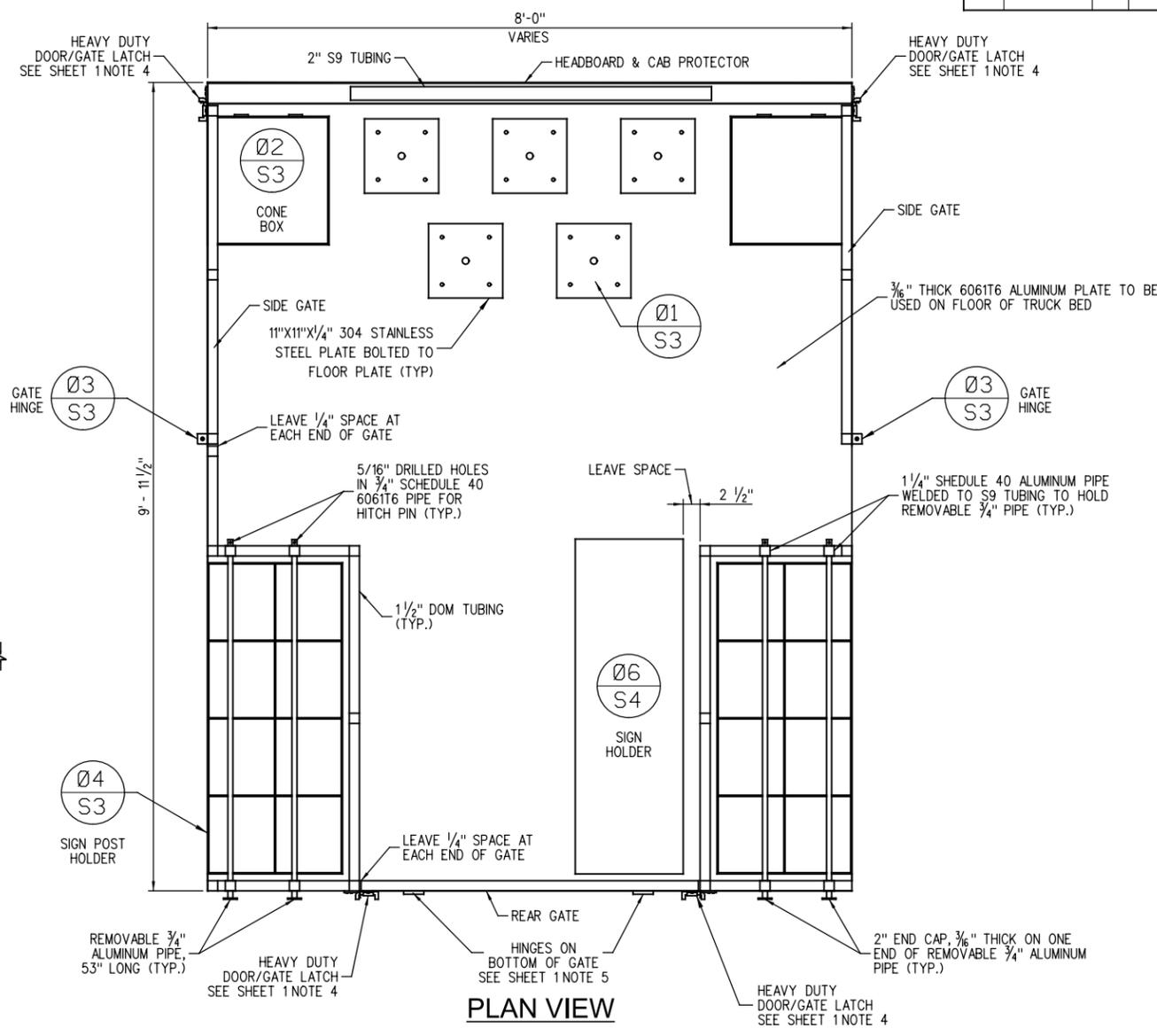
Fiscal Year	County	Sheet No.	Total Sheets
2014		2	5



FRAMING PLAN

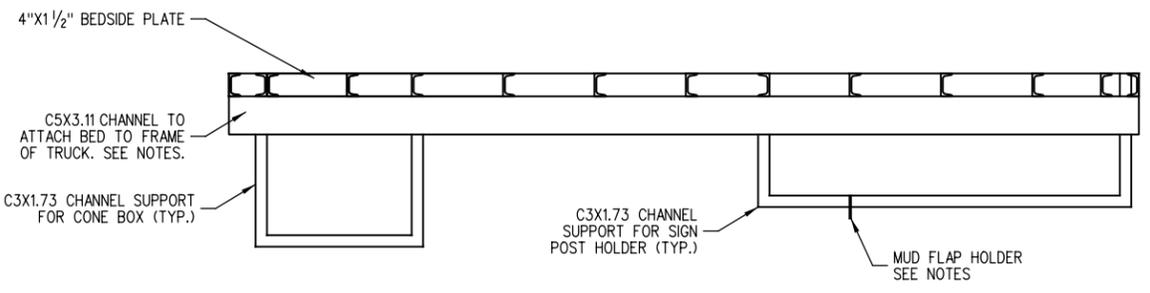


CONE HOLDER FRAMING PLAN



PLAN VIEW

- NOTES:
- CHANNELS ON BED FRAMING ARE C3X1.73'S ON 12" CENTERS UNLESS SHOWN OTHERWISE.
 - TRUCK FRAME WIDTHS MAY VARY. C5X3.11 CHANNEL TO BE USED TO ATTACH BED TO TRUCK FRAME. CONTACT FRANK MILLER, FLEET MANAGER AT WVPA FOR DIMENSIONS. PHONE: (304)-256-6928 EMAIL: FMILLER@WVTURNPIKE.COM
 - MUD FLAP HOLDER TO BE FIT AROUND SIGN POST HOLDER SUPPORT CHANNEL ACCORDINGLY.
 - CONNECT ALL C3X1.73 CHANNELS TO C5X3.11 CHANNELS WITH A 4" TRIANGULAR GUSSET PLATE 3/16" THICK.
 - C3X1.73 CHANNEL CROSS BRACING FOR 11" CONE HOLDER PLATE STABILIZATION TO BE TIED INTO MAIN SUPPORT CHANNELS.
 - DOUBLE BRACING WITH 3 1/2" SPACING OF CHANNELS AT EACH END OF BED.
 - ALL SQUARE TUBE TO BE 6063T52 WITH 0.125 WALL THICKNESS, UNLESS NOTED.
 - ALL STRUCTURAL TO BE 6061T6 UNLESS NOTED.
 - CHECKER FLOOR PLATE TO BE 6061T6.
 - ALL PIPE TO BE 6061T6 SCHEDULE 40 UNLESS NOTED.



ELEVATION VIEW

- NOTES:
- MUD FLAP HOLDER TO BE FIT AROUND CHANNEL ACCORDINGLY.
 - CHANNELS ARE C3X1.73'S UNLESS OTHERWISE NOTED.
 - ONLY MAIN SUPPORT CHANNELS ARE SHOWN. CONE HOLDER CHANNELS NOT SHOWN FOR CLARITY. SEE CONE HOLDER FRAMING PLAN ABOVE FOR DIMENSIONS.

SCALE: AS NOTED

- NOTES:
- 3/8" THICK 6061T6 ALUMINUM CHECKER PLATE TO BE FLUSH WITH 4" X 1/2" PLATE USED ALONG BEDSIDE.
 - 3/8" BOLTS TO BE USED TO SECURE S9 TUBING TO BED OF TRUCK. SEE DETAIL 04 ON SHEET 3 FOR LOCATIONS.

SCALE : 0 1 ft

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HNTB HNTB CORPORATION
ENGINEERS ARCHITECTS PLANNERS

WEST VIRGINIA TURNPIKE
MOT TRUCK BED

PLAN VIEW

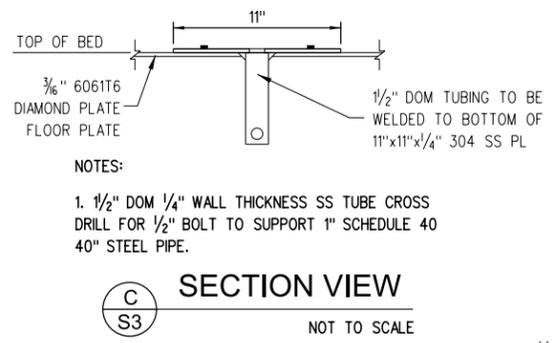
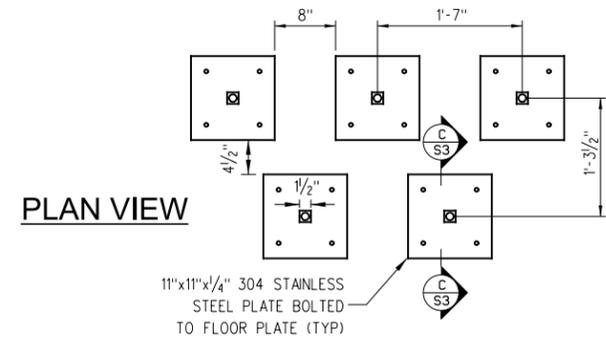
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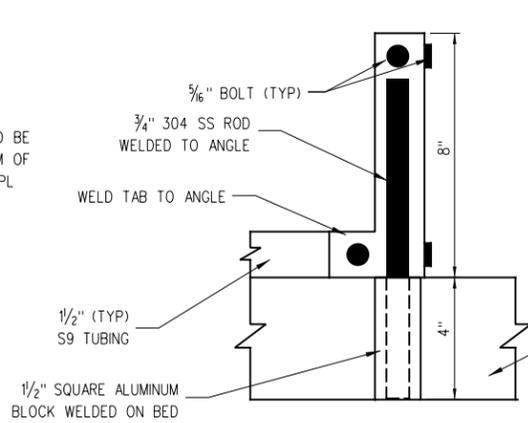
Fiscal Year	County	Sheet No.	Total Sheets
2014		3	5

01 CONE HOLDER DETAIL
S3

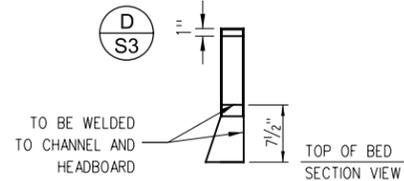
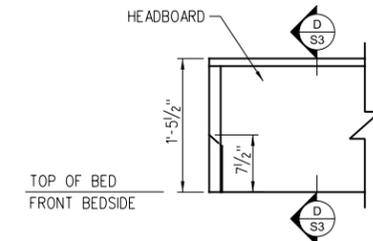
NOT TO SCALE



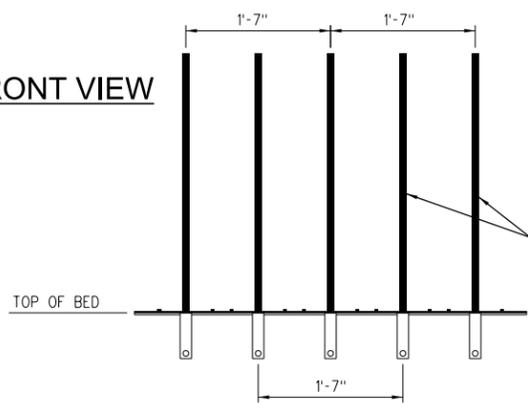
- NOTES:
- 1/2" DOM 1/4" WALL THICKNESS SS TUBE CROSS DRILL FOR 1/2" BOLT TO SUPPORT 1" SCHEDULE 40 40" STEEL PIPE.



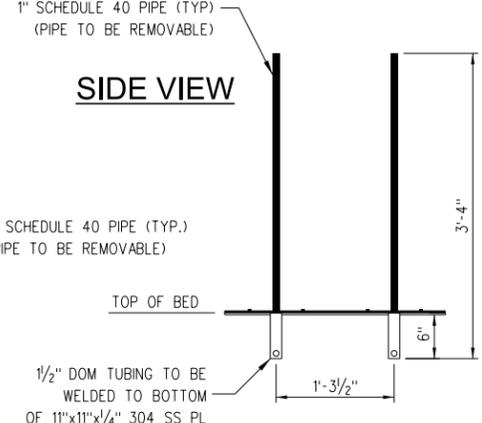
- NOTES:
1. STAINLESS STEEL ANGLE TO BE BOLTED TO S9 TUBING.
 2. 3/4" ROD WELDED TO ANGLE. 1" ROD TO BE PLACED 1" BELOW TOP OF ANGLE.
 3. 1/2" SQUARE ALUMINUM BLOCK TO BE BORED TO ACCEPT 3/4" SHAFT.
 4. GRIND ALL EDGES TO BE SMOOTH.



FRONT VIEW



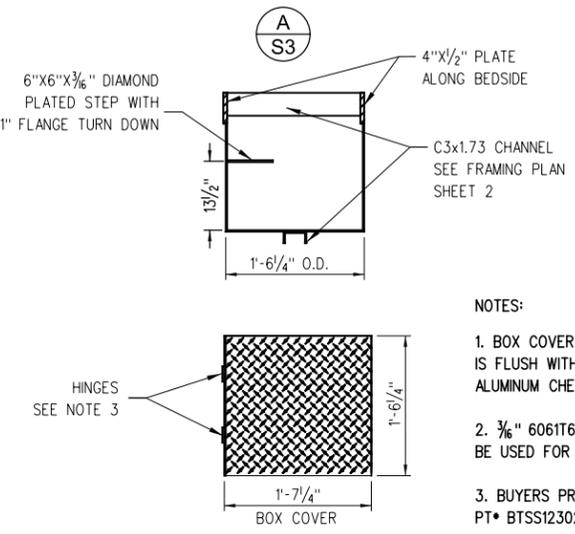
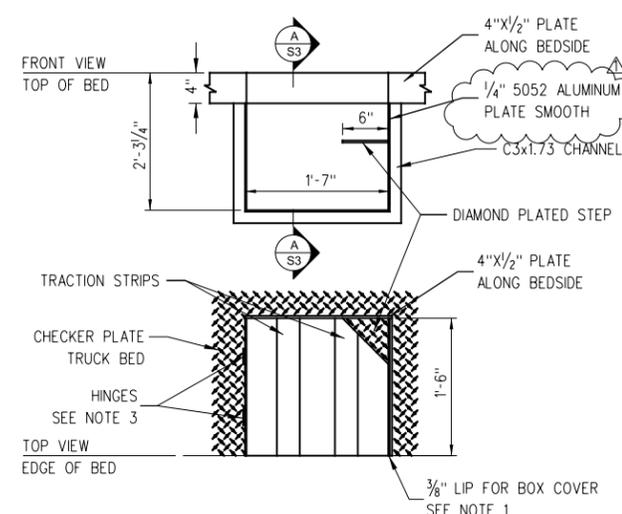
SIDE VIEW



- NOTES:
1. TO HOLD 1" SCHEDULE 40 PIPE, 1/2" DOM TUBING TO BE WELDED TO 11"x11"x1/4" 304 SS PL AND BOLTED TO FLOOR IN 4 PLACES TO ATTACH TO C3 IN FOUR PLACES. PIPE TO FIT LOOSELY IN DOM TUBING.
 2. 1" SCHEDULE 40 STEEL PIPE, 40" LENGTH, WILL REST IN DOM TUBING AND BE REMOVABLE.
 3. 3/16" 6061T6 DIAMOND PLATE TO BE USED TO SUPPORT CONE HOLDERS. PLATES TO BE BOLTED TO C3x1.73 CHANNEL SUPPORTS ON BED FRAME.
 4. CENTER OF BACK ROW OF 40" SCHEDULE 40 PIPES TO BE 7 3/4" FROM FACE OF HEADBOARD.

02 CONE BOX DETAIL
S3

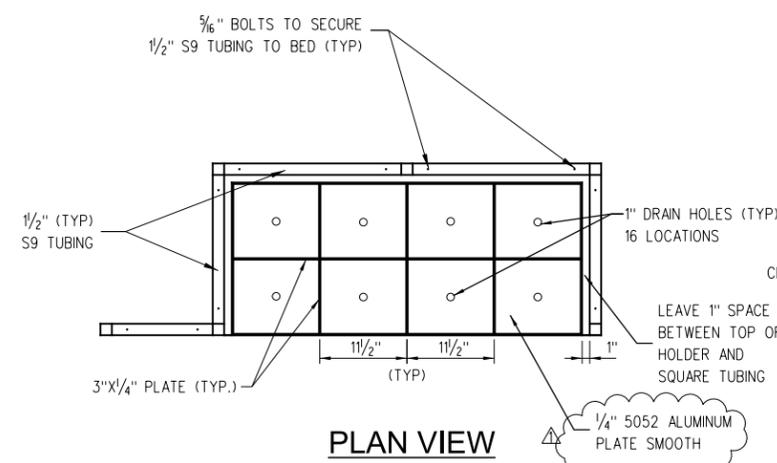
NOT TO SCALE



- NOTES:
1. BOX COVER SHALL BE PLACED SO THAT IT IS FLUSH WITH BED WHEN SHUT. 3/16" 6061T6 ALUMINUM CHECKER PLATE TO BE USED.
 2. 3/16" 6061T6 ALUMINUM CHECKER PLATE TO BE USED FOR STEP AND BOX COVER.
 3. BUYERS PRODUCTS COMPANY 3" SS PT• BTSS123025 TYPICAL 4 LOCATIONS.

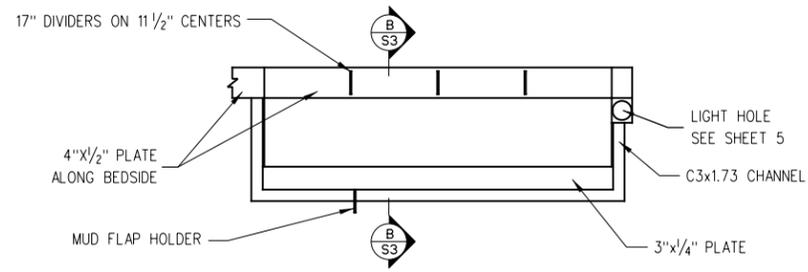
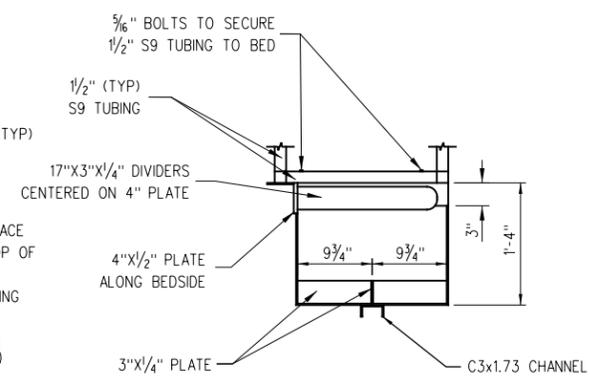
03 GATE HINGE DETAIL
S3

NOT TO SCALE



05 HEADBOARD PLATE DETAIL
S3

NOT TO SCALE



04 SIGN POST HOLDER DETAIL
S3

NOT TO SCALE

- NOTES:
1. DIVIDERS SHALL BE 1/4"x4" FLAT BAR 6061T6 AND ROUNDED ON ENDS. DIVIDERS SHALL BE WELDED TO 4" PLATE ALONG BEDSIDE.
 2. 3/16" BOLTS USED TO SECURE 1/2" SQUARE TUBING TO BED.
 3. MUD FLAP HOLDER TO BE PLACED 1" FROM FRONT OF BOX.

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ENGINEERS ARCHITECTS PLANNERS

WEST VIRGINIA TURNPIKE
MOT TRUCK BED

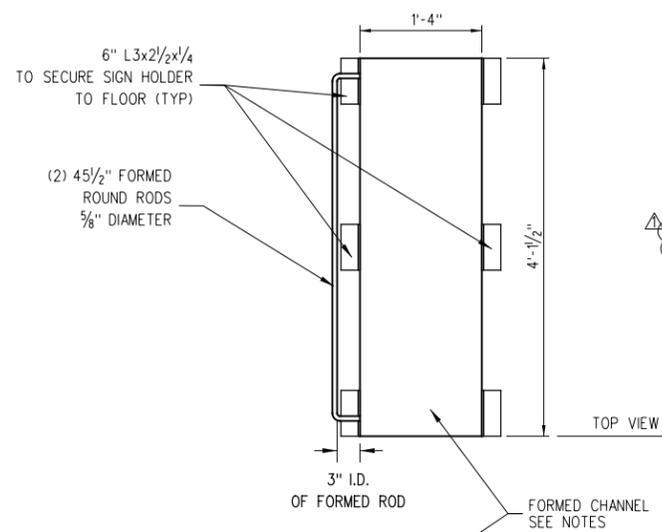
SPECIAL DETAILS

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY
3		ADDENDUM #1	4/15/14	RMH

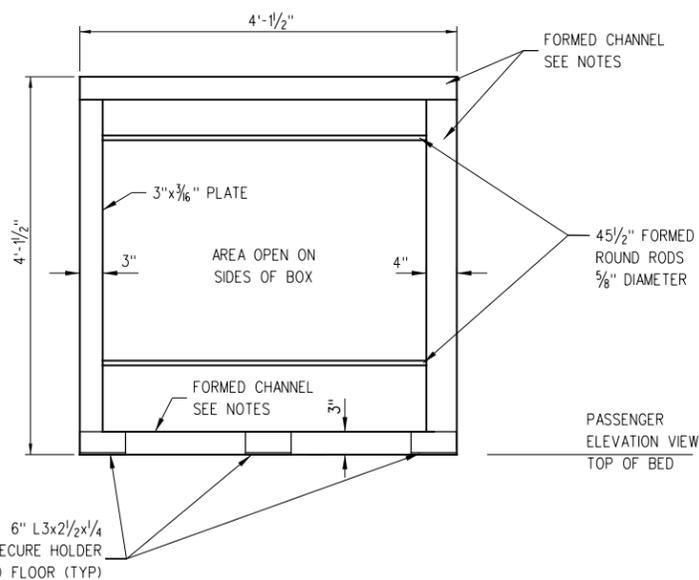
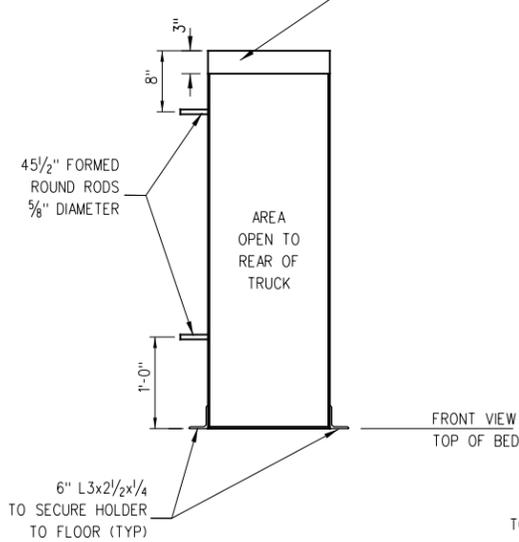


Tuesday, April 15, 2014
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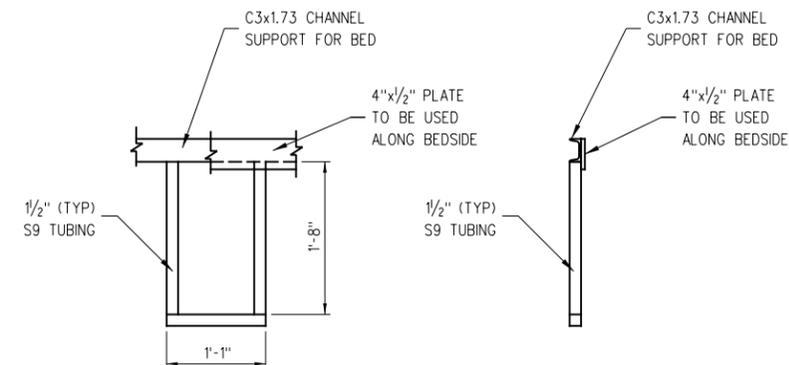
Tuesday, April 15, 2014
 \\chaw001\DATA\45297-WVPA\PL\8102-Misc-Projects and Requests\0809-TECHPROD\0820-HGVY-Truck Bed\Sheets\03-Detail-Sheet.dgn



- NOTES:
1. 3"x16"x3"x3/16" THICK FORMED CHANNEL TO BE USED ON TOP AND BOTTOM OF SIGN HOLDER BOX.
 2. 3"x3/16" PLATES ON FRONT OF SIGN HOLDER BOX.
 3. 4"x16"x4"x3/16" THICK FORMED CHANNEL TO BE USED ON THE BACK OF SIGN HOLDER BOX.
 4. ALUMINUM PLATE TO BE 5052 ALUMINUM SMOOTH 3/16" THICK. ALL REMAINING STRUCTURE TO BE 6061T6 ALUMINUM.



06 SIGN HOLDER DETAIL
S4 SCALE: AS NOTED



- NOTES:
1. STEP TO BE SECURED TO C3x1.73 BED FRAME CHANNEL AND BACK OF 4"x1/2" BEDSIDE PLATE.
 2. STEP HEIGHT TO BE 1'-8" BELOW CHANNEL AND 10" WIDE INSIDE DIMENSION.
 3. STEP TO BE ALUMINUM BUSTIN STEP MATERIAL 2" WIDE X 1/2" HIGH. PART NO. DE0604, MODEL NO. 627.

07 REAR STEP DETAIL
S4 SCALE: AS NOTED

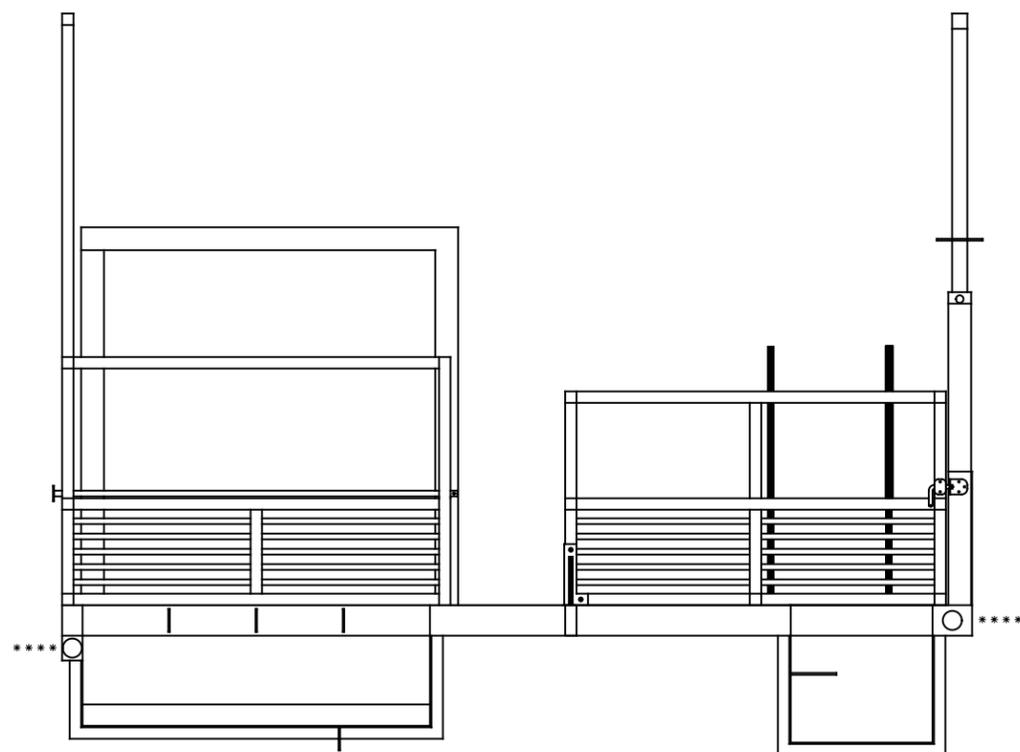
SCALE : 0 1 ft

4	ADDENDUM #1	4/15/14	RMH
REVISION NUMBER	SHEET NUMBER	REVISION	DATE BY

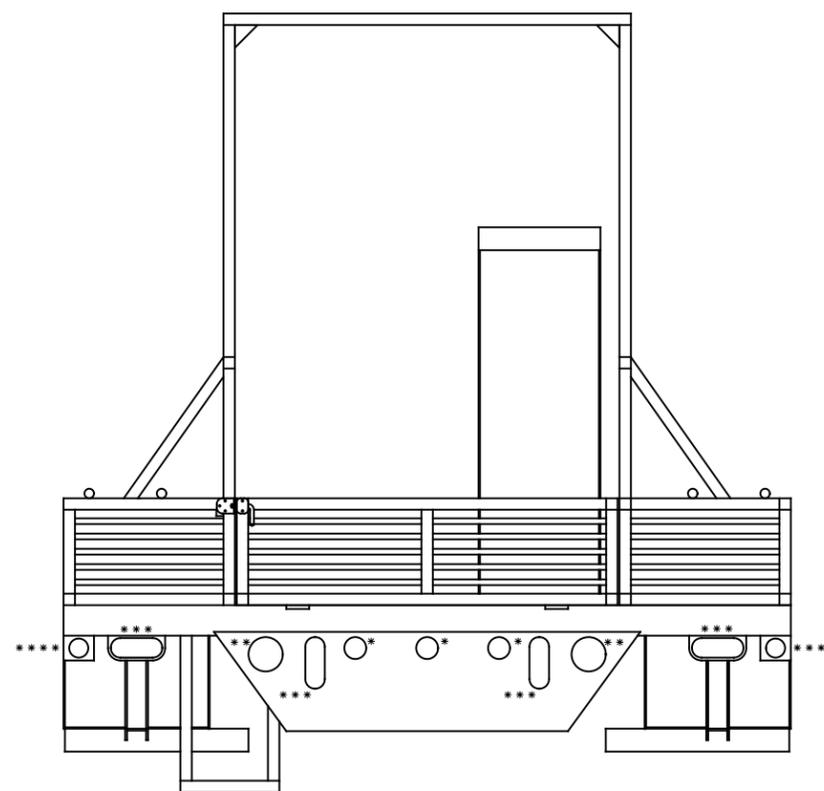
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ENGINEERS ARCHITECTS PLANNERS

WEST VIRGINIA TURNPIKE
MOT TRUCK BED
SPECIAL DETAILS

Fiscal Year	County	Sheet No.	Total Sheets
2014		5	5



BEDSIDE ELEVATION VIEW



REAR ELEVATION VIEW

LIGHT HOLE SIZES

- * 2 7/8" DIAMETER
- ** 4 1/2" DIAMETER
- *** 6 3/4" LENGTH - 2 9/16" DIAMETER EACH END
- **** 2 1/2" DIAMETER (TYP)

SCALE : 0 1 ft

REVISION NUMBER	SHEET NUMBER	REVISION	DATE	BY

HNTB HNTB CORPORATION
ENGINEERS ARCHITECTS PLANNERS

WEST VIRGINIA TURNPIKE
MOT TRUCK BED

LIGHTING PLAN

Wednesday, February 26, 2014

\\chaw001\DATA\45297 - WVA\PL\8102-Misc. Projects and Requests\0809 - TECHPROJ\0820 - HWY\Truck Bed\Sheets\05 - Lighting Plan.dgn

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