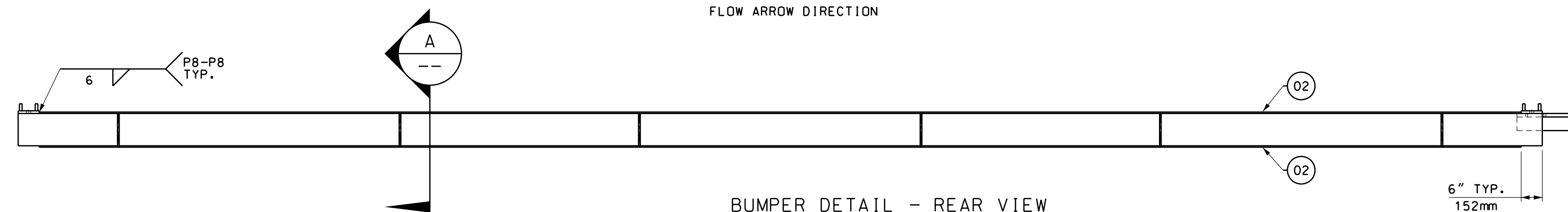


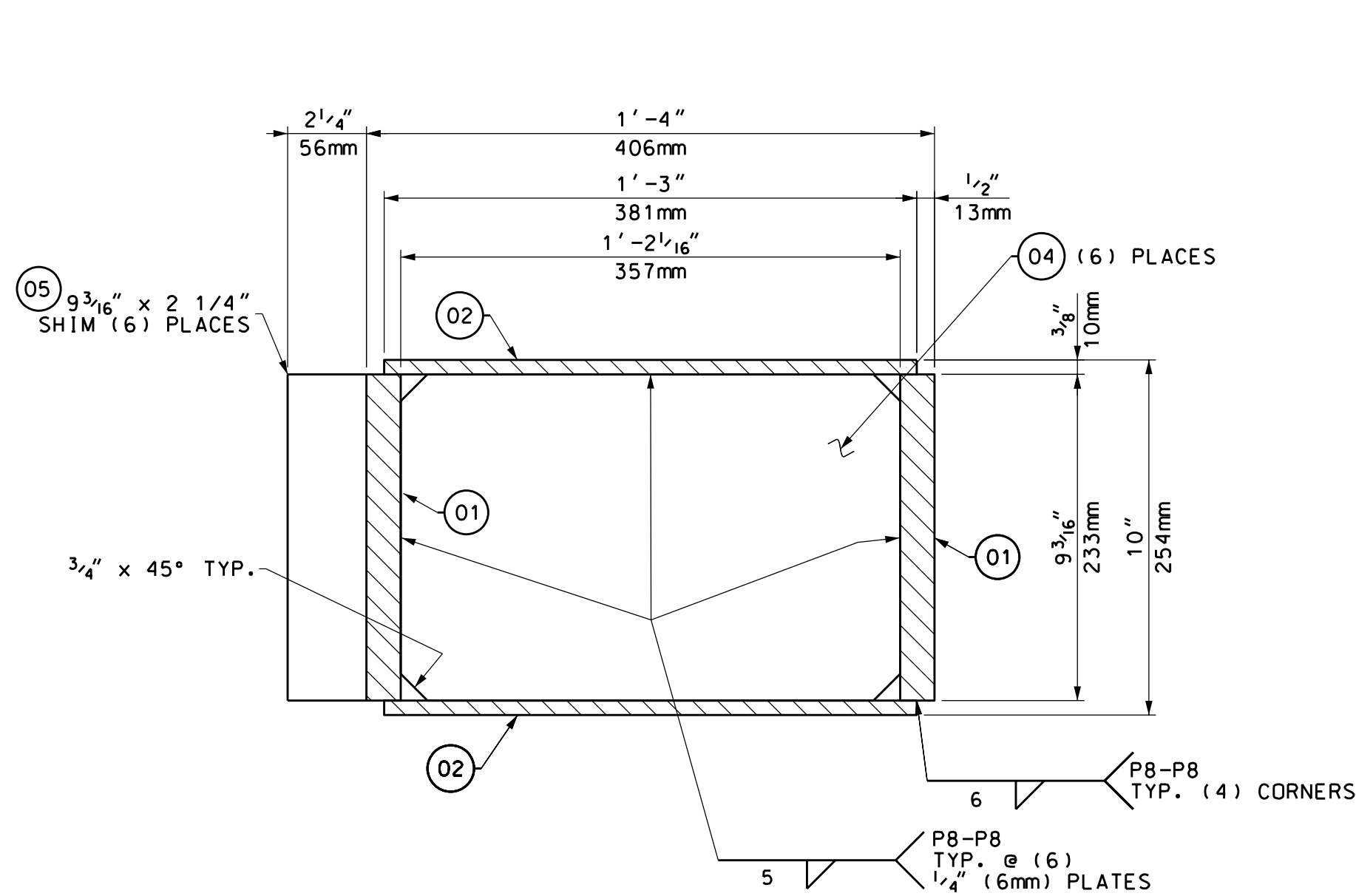
BUMPER DETAIL - PLAN VIEW

UPSTREAM BUMPER SHOWN @ COLUMN "E"
DOWNSTREAM BUMPER OPPOSITE @ COLUMN "F"
FLOW ARROW DIRECTION

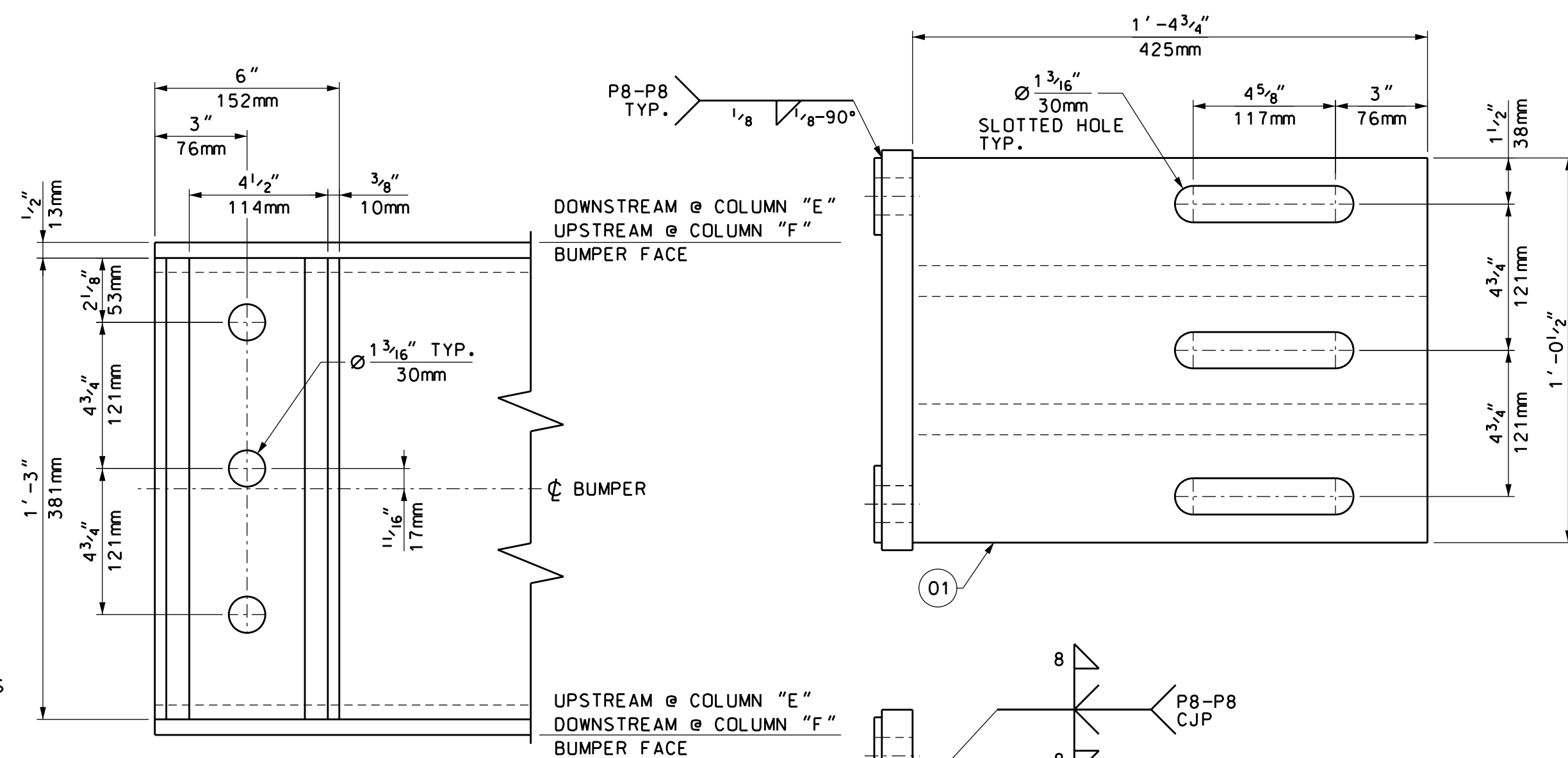


BUMPER DETAIL - REAR VIEW

UPSTREAM BUMPER LOOKING INTO GAS FLOW SHOWN, DOWNSTREAM OPPOSITE
ASSEMBLY MK'D. BM10, (2) REO'D.
(1) REO'D. ON COLUMN "E" UPSTREAM &
(1) REO'D. ON COLUMN "F" DOWNSTREAM
BOTH AT WRAPPER 3 ELEVATION
APPROXIMATE WEIGHT: 3788 lbs. (1718 Kg) EACH

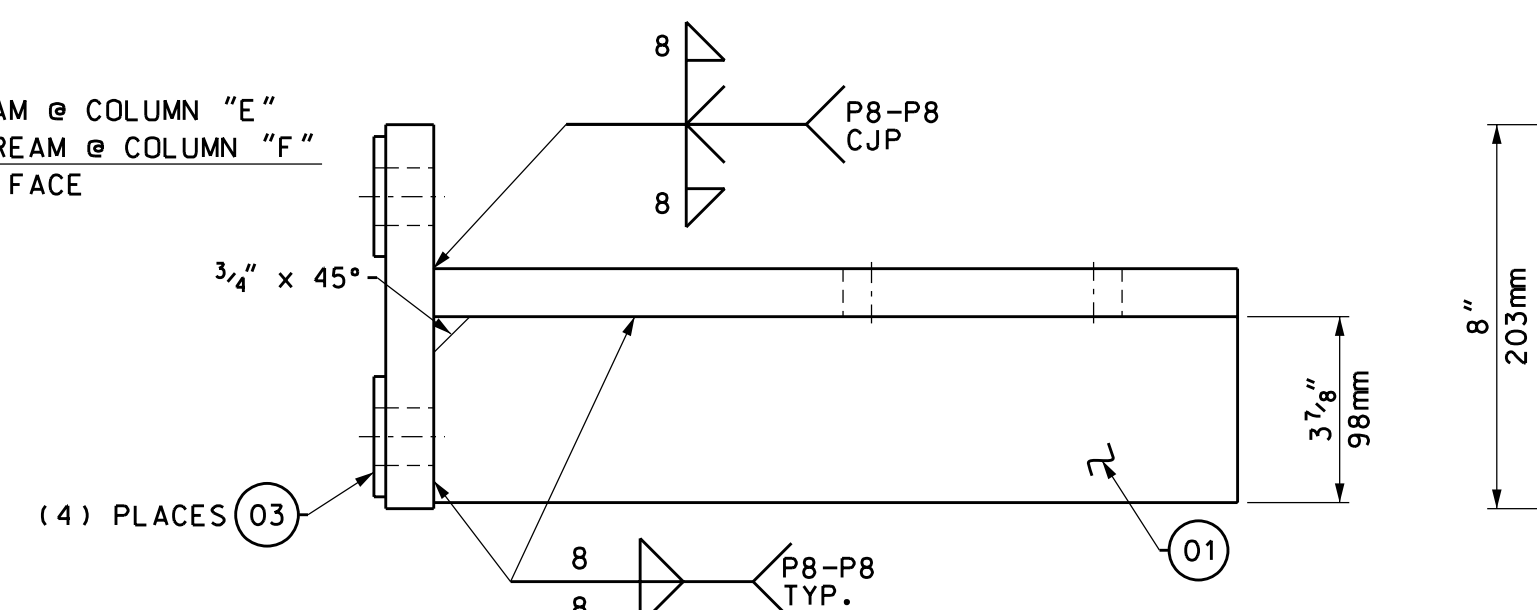


SECTION VIEW
SCALE: 3" = 1'-0"



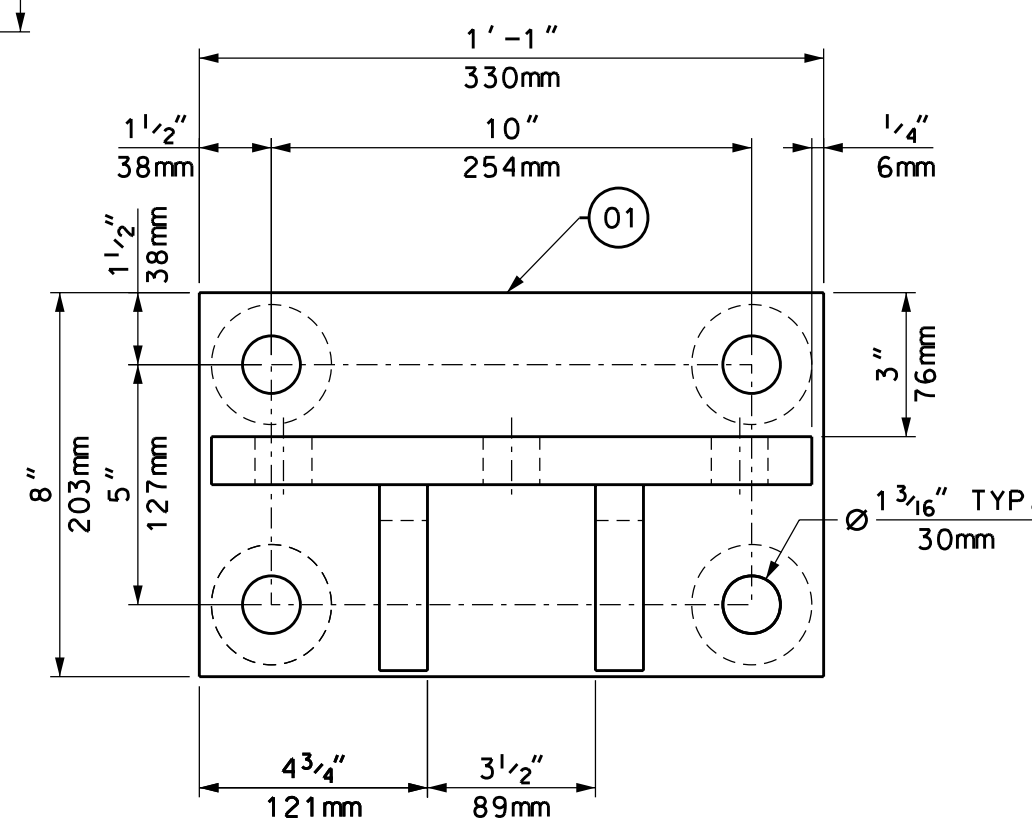
LANDING STRUT DETAIL

SCALE: 3" = 1'-0"
(2) REQ'D. ON EACH ASSEMBLY
(4) TOTAL REQ'D.



BUMPER SEAT DETAIL

ASSEMBLY MK'D. BM11, (4) REQ'D.
(2) REQ'D. ON COLUMN "E" UPSTREAM &
(2) REQ'D. ON COLUMN "F" DOWNSTREAM
BOTH AT WRAPPER 3 ELEVATION
APPROXIMATE WEIGHT: 125 lbs. (57 kg) EACH
SCALE: 3" = 1'-0"

[illegible]

PART NUMBERS ARE TO HAVE THE PREFIX OF "BM" FOR EXAMPLE:
"10" (ASSEMBLY) + "01" (PART #) WOULD BE "BM1001"

GENERAL NOTES:

1. ALL S.S. WELDING TO BE IN ACCORDANCE WITH AWS D14.6 STRUCTURAL WELDING CODE LATEST EDITION.
2. TYPE 304H MATERIAL SHALL BE PURCHASED IN THE SOLUTION ANNEALED CONDITION FOR FABRICATION.
3. ALL ROUND HOLES TO BE PUNCHED OR DRILLED. SLOTTED HOLES MAY BE BURNED. IF BURNED, CLEAN AND GRIND IF NECESSARY.
4. CENTER PUNCH GAS FLOW DIRECTION ON TOP OF THE BUMPER AT CENTERLINE.
5. FABRICATOR TO SHOP FIT BM10 TO BM11'S (CHECK FOR EASE OF MOVEMENT). MATCH MARK PARTS AND SHIP TO JOB SITE AS (2) ASSEMBLIES.
6. QUANTITIES SHOWN ARE FOR (1) ONE UNIT:
 - (1) ONE UNIT REQUIRED FOR MIDDLETOWN PROJECT,
 - (1) ONE UNIT REQUIRED FOR KINGS MOUNTAIN PROJECT.


REFERENCE DRAWINGS:

V17494-ERND-0017 - FIELD CONNECTIONS - MODULE BUMPER
INSTALLATION (ER50)

00	INITIAL ISSUE	17-FEB-16	BM	BJD	-	FRY	
Rev.	Description	Date	Drawn	Chkd. 1	Chkd. 2	Appr.	

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<p>MIDDLETOWN ENERGY CENTER and KINGS MOUNTAIN ENERGY CENTER for NTE ENERGY and GEMMA POWER SYSTEMS</p>		<p>3rd ANGLE PROJECTION</p> 
<p>VOGT POWER PROJECTS V17494 & V17495</p>		<p>Scale: 1/2" = 1'-0" U.N.D.</p>
<p>Title</p>		

BUMPERS & SUPPORT BRACKET ASSEMBLIES
BOX 1, COLUMNS "E" & "F"



Internal Drawing Status	Size	Drawing No.	Rev.
FOR RECORD	D	V17494-BMND-0001	00