



SHOP BILL											
UNIT 2	UNIT 3	UNIT 4	SHIPPING LIST		DESCRIPTION	LENGTH	ASSEMBLY	REMARKS	MTRL. SPEC.	MATERIAL APPLICATION	
			NO.	MARK						FEET	INCHES
			1		INT. DIAPHRAGM						
18	--	12	2	30 406D1							
			3	8	PL 3/4 x 8	5	7 9/16	A404	FCM	A709-50	8467IS 5
			4	52	PL 3/4 x 8	5	7 9/16	A404	FCM	A709-50	8467IS 6
			5	30	PL 1/2 x 49	6	11 3/8	C404	FCM	A709-50	8467IS 14
			6								
53	26	24	7	103 406D2							
			8	206	PL 3/4 x 8	5	7 9/16	A404	FCM	A709-50	8467IS 6
			9	103	PL 1/2 x 49	6	11 3/8	C404	FCM	A709-50	8467IS 14
			10								
			11								
1	4	--	12	5 406D3							
			13	10	PL 3/4 x 8	5	7 9/16	A404	FCM	A709-50	8467IS 6
			14	5	PL 1/2 x 49	6	11 3/8	C404	FCM	A709-50	8467IS 14
			15	5	L 4x4x1/4	1	0	M	D406	A709-36	SHN
			16	10	F HSBT	7/8	0	2 1/4		A325-1	PB7431 1
			17	10	F HWASH	7/8				F436-1	PB7431 2
			18								
			19								
1	3	--	20	4 406M1							
			21		L 4x4x1/4	6	10			A709-36	SHN
3	1	2	22	6 406P1							
			23		PL 3/8 x 12	1	1 1/16			BEND	A709-36 SHN
			24								
			25		DOMESTIC MATERIAL						

SEE HN301 FOR FABRICATION NOTES

PDC Sample DWG 213  
 PORT NEWARK, NJ  
 HIRSCHFELD INDUSTRIES  
 GEORGES HARMS CONSTRUCTION  
**DIAPHRAGM Detail**  
 Port Auth of NY & NJ 2011

PAINT NOTE "C" APPLIES TO ALL AREAS WITHIN 3" OF OPEN HOLES.

FABRICATED BY COLFAX  
 HOLES 1/16" (UN) SHOP FASTENERS  
 SHOP PAINT PAINTED PER HN301 & AS NOTED  
 SHOP INSPECTION  
 GENERAL NOTES

REVISIONS		
DATE	NO.	BY
08/16/11	R1	PDC/SB
03/30/12	R2	PDC/SB

REVISED ASS'Y MARK FOR WEBS.  
 REMOVED CLOUDS & PROVIDED DIMS PER 9.05" O.D. OF PIPE

CONTRACT PN-654.522  
 THE PORT AUTHORITY OF NY & NJ  
 EXPRESSRAIL PORT NEWARK

ORDER NO. 11-18710H25  
 DETAILS OF DIAPHRAGMS

PROJECT PHASE 2A- FLYOVER  
 UNITS 2 thru 4- SPANS 6 TO 12

LOCATION PORT NEWARK, NJ  
 CUSTOMER GEORGES HARMS CONSTRUCTION

**HIRSCHFELD INDUSTRIES**  
 BRIDGE  
 GREENSBORO, NC (336) 275-9711

MADE BY WS  
 CHECKED BY PDC/SB  
 SQUAD LEADER Precise Drafting Co, Inc.  
 DATE 06-2011

SHEET HF406