

<u>REFERENCE DOCUMENTS:</u>

MDE-3985 : ENCORE INSTALLATION MANUAL MDE-3802 : ENCORE SITE PREPARATION MANUAL FE-363 : ENCORE FIELD WIRING DIAGRAM

TABLE OF CONTENTS

SHEET NO.	LAYOUT DESCR
2	FIELD ELECTR
3	DISPENSERS W
4	SELF CONTAIN
5	ELECTRICAL C
6 - 9	ULTRA-HI GEN
0	DEF LAYOUT
- 3	ULTRA-HI GEN
4 - 8	ULTRA-HI GEN
9	DISPENSERS W

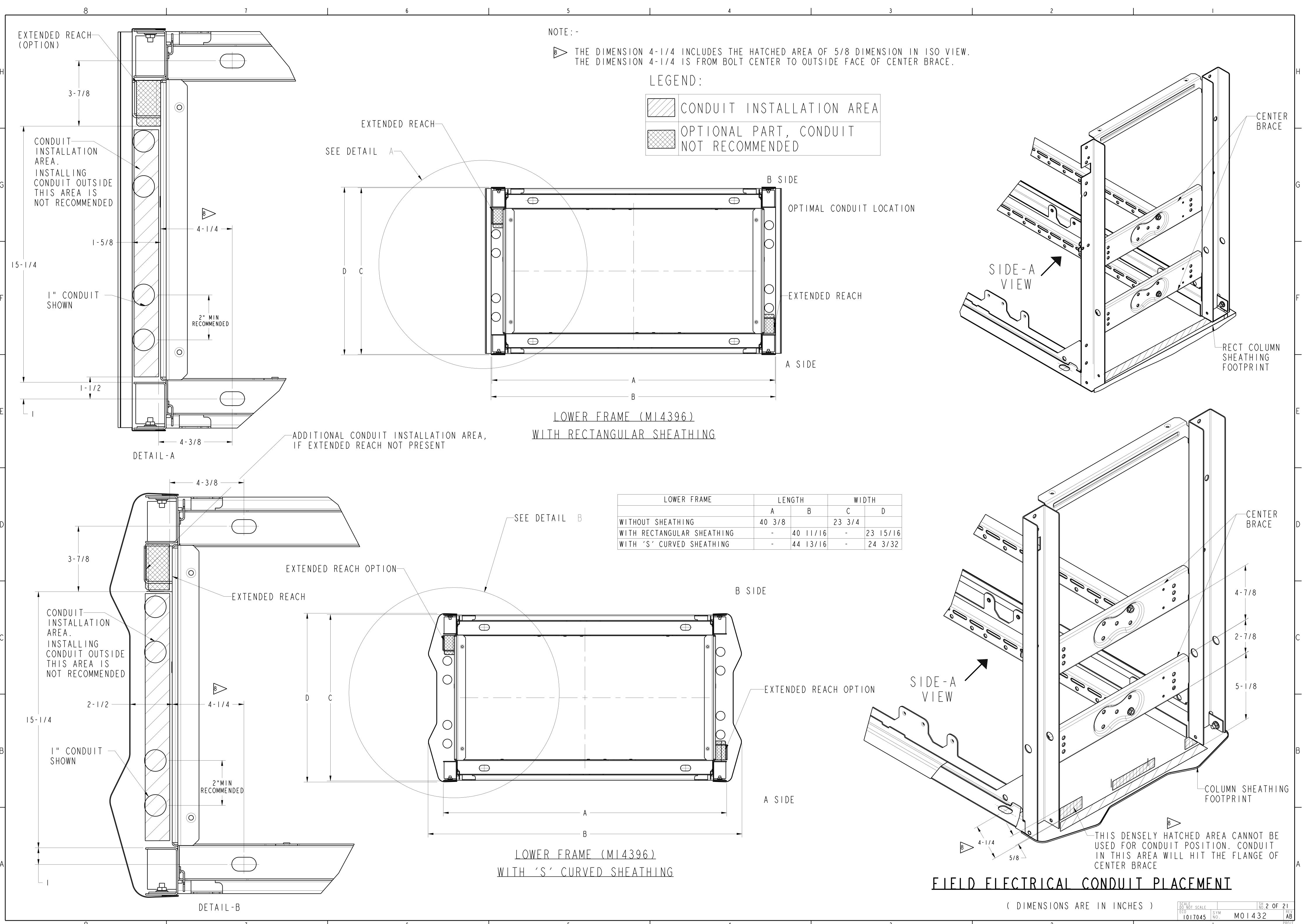
I. MAXIMUM FIELD RETROFIT RAIN LIP SIZE WITHOUT REQUIRING ADAPTER PLATE: 17 FOR X+I SELECTABLE BLENDER AND 3+I MULTI HOSE BLENDER, INLET "Y" IS THE FOR 3+1 SINGLE HOSE, INLET "Z" IS THE PLUS GRADE. FOR 3+1+1 SELECTABLE BLENDER, INLETS "Y" AND "Z" ARE THE PLUS GRADES. FOR 3+2 MULTI HOSE BLENDER, INLETS "W" AND "X" ARE SELECTABLE BLENDER SIDE (SINGLE HOSE SIDE OF THE UNIT) AND INLETS "Y" AND "Z" RIGHT ARE USED FOR THE MULTI HOSE BLENDER SIDE (2 HOSES ON THE LEFT SIDE OF THE UNIT). FOR NJ5- INLET "W" MUST BE THE LOW GRADE NON FLEX, INLET "X" MUST BE THE HI GRADE NONFLEX, AND INLET "Y" MUST BE THE FLEX PRODUCT. FOR NJ6, THE INLETS ARE THE SAME AS NJ5, EXCEPT ADD INLET "Z" WHICH IS DIESEL, THE PLUS ONE GRADE UNIVERSAL MULTI HOSE BLENDER: A. NFO, NFI- 5 GRADES BLENDED FROM 3 INLETS, FLEX FUEL POSITION IS ORDE B. NF8- 5 GRADES BLENDED FROM 4 INLETS; FLEX POSITION IS ORDER ENTRY PO C. NF4, NF2, NF6, NF7 HAVE PLUS GRADE INLET 4 (Z). FLEX POSITION IS ORD THESE DIMENSIONS ARE FOR "S" CURVED SHEATHING. THESE DIMENSIONS ARE FOR DEF "S" CURVED SHEATHING.

INLET UNION PART NUMBER X22468 AND CHECK VALVE PART NUMBER N23274 CAN BE CUSTOMER OPTION

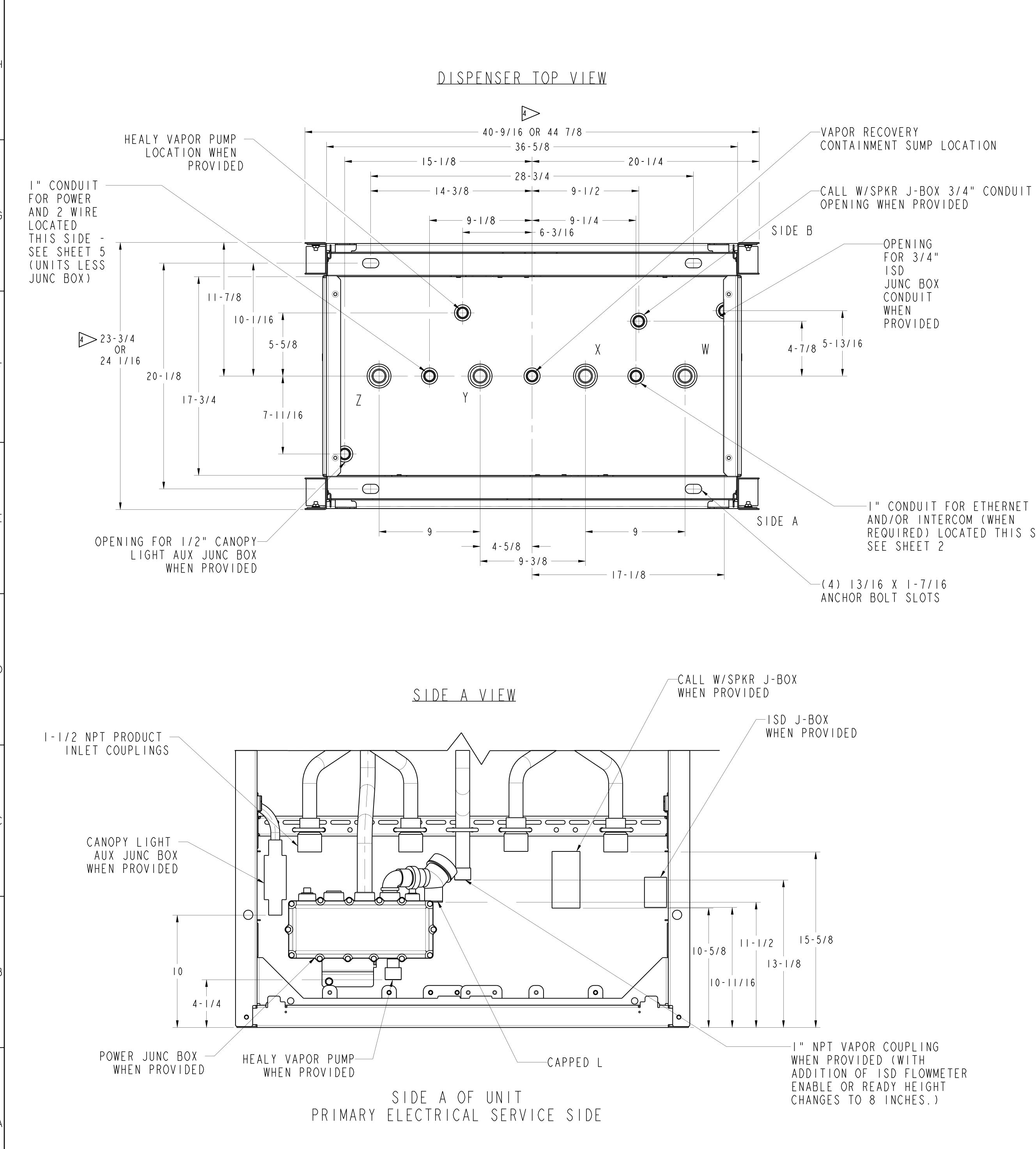
SMART METER DISPENSERS USES THE SAME LAYOUT OF ECOMETER

IPTION	MODELS	
ICAL CONDUIT PLACEMENT	_	
ITH PISTON METER	DETAILS ON SHEET 3	
ED WITH PISTON METER	DETAILS ON SHEET 4	
ONDUIT LAYOUT	_	
4 WITH DEF	NP3/NP4/NP5/NP6/ NPA/NPB/NPC -	ОСТС
3	NP3/NP4/NA4/NPA/ NPB/NP5	JANU
1 & GEN 2	NP3/NP4/NP5/NPA/ NA4/NPB	GENI GEN2
ITH ECOMETER	DETAILS ON SHEET 19	
		L This d proprie of Gilbar for le UNLESS OTHEF * DIMENSIONS
		* FOR TOLERA LATEST REV

2	
FE: 17-1/2 X 39-1/2 X 2"	REVISIONS SYM DESCRIPTION W CHANGED: UPDATED DRAWING VIEWS TO BE MORE READABLE AND ADDED GEN 1,2,3 AND 4 FOOTPRINTS
S THE PLUS GRADE.	ECO 0675404DATE 08/28/14WMH HYCHANGED: DRAWING VIEWS TO BE MORE READABLEHECODATETCS
	AA CHANGED: NOTES IN SHTI, DIMENSIONS IN SHT2, TABLE IN SHT 3 AND ADDED NOTE 8 IN SHT2. ECO DATE TCS
	AB ADDED: IN SHT 7 & 8, LEFT & RIGHT DEF CONFIGURATIONS. IN SHT 6, TABLE OF BASIC DIMENSIONS, 2 SIDED DEF VIEW & DEF LAYOUT VIEW
	UPDATED. IN SHT 9,10,12,14,19 & 20,REFERENCE NOTE. IN SHT 5,Z-G2, NOTE.
S ORDER ENTRY POSITION SELECTABLE. TRY POSITION SELECTABLE. IS ORDER ENTRY SELECTABLE.	CHANGED: IN SHT I, INLET POSITION FOR SD VIEW UPDATED. DIM IN SHT2 ZN E8 WAS 5. SHT I, FLAG NOTE 3 UPDATED. IN SHT 2, Z-D4, IN SHT 2, Z-D4, F DIMENSION TABLE. IN SHT 3, ZONE-B3, TABLE UPDATED.ADDED
CAN BE ORDERD AS A	UNIVERSAL MULTI HOSE HYBRID BLENDER MODELS IN ROW 3 & 4. IN SHT 2, LOWER FRAME DIM TABLE. SHT NOS UPDATED. ECO DATE SBW 1017045 04/19/21
	E
	D
PRODUCTION DAT	E
	C
OCTOBER 2014 TO PRESENT	В
JANUARY 2013 TO SEPTEMBER	20 4
GENI: JUNE 2002 TO JANUARY GEN2: FEBRUARY 2009 TO DEC -	
This document contains proprietary information of Gilbarco Inc. See M00800 for legal instructions UNLESS OTHERWISE SPECIFIED:	Gilbarco Inc. Gasboy International LLC JNDATION LAYOUT ENCORE FOUNDATION LAYOUT ENCORE
* DIMENSIONS ARE IN MILLIMETERS (mm). * FOR TOLERANCES SEE THE LATEST REVISION OF MO0800. * THIRD ANGLE PROJECTION ● C 2	APP SYM MAC L 4 2 2 REV



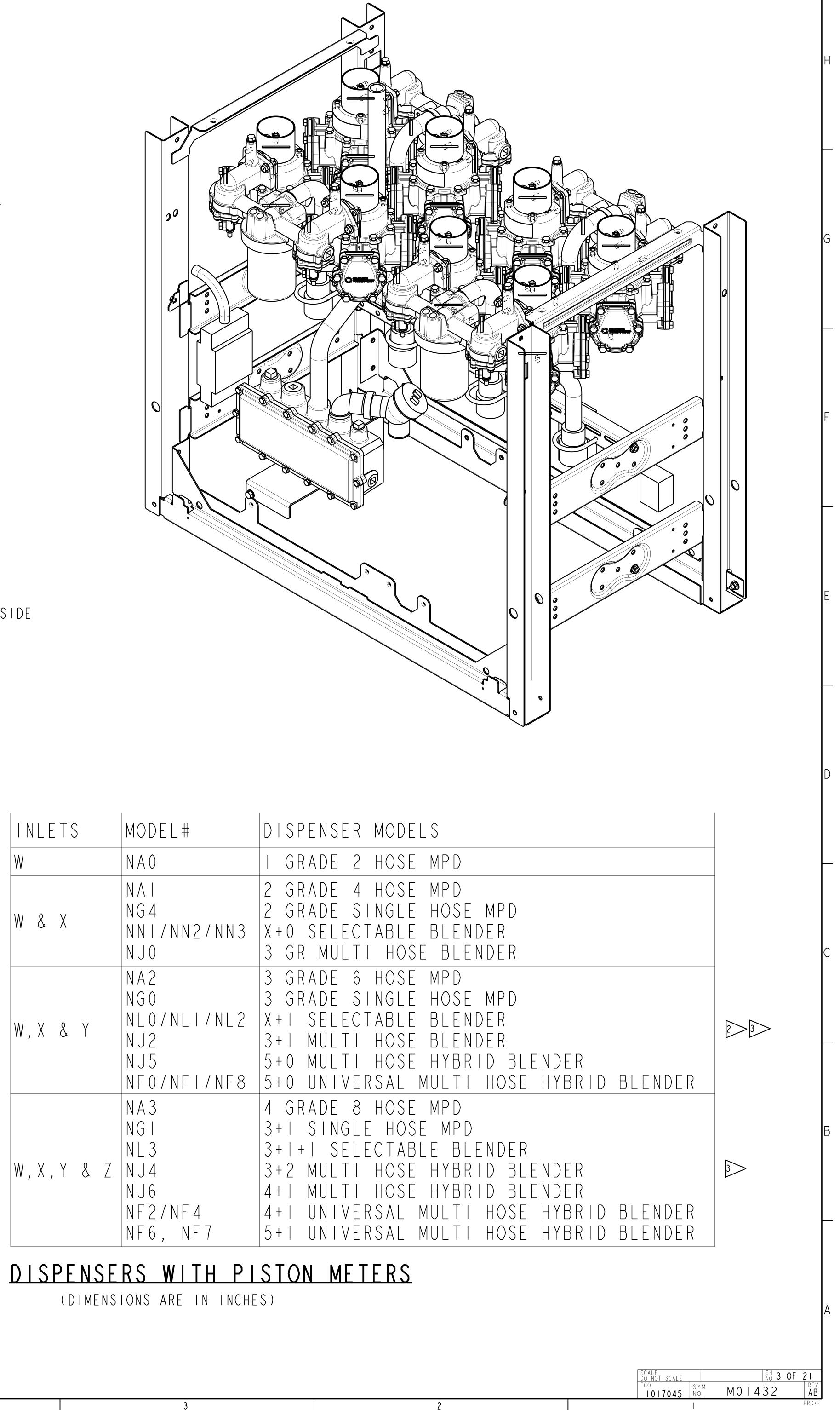
LENGTH		WIDTH		
А	В	С	D	
40 3/8		23 3/4		
-	40 / 6	-	23 15/16	
-	44 3/ 6	-	24 3/32	
	А	A B 40 3/8 - 40 11/16	A B C 40 3/8 23 3/4 - 40 / 6	

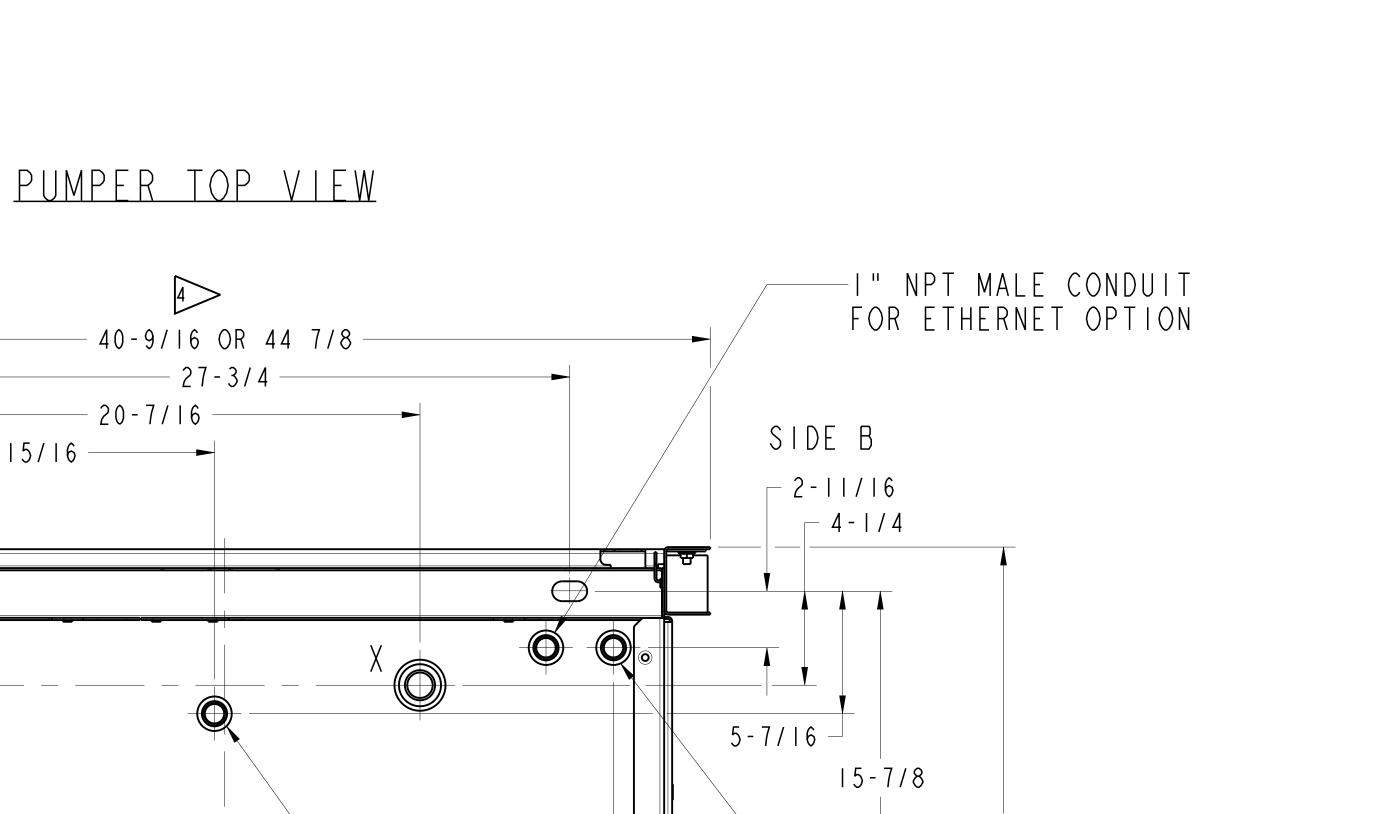


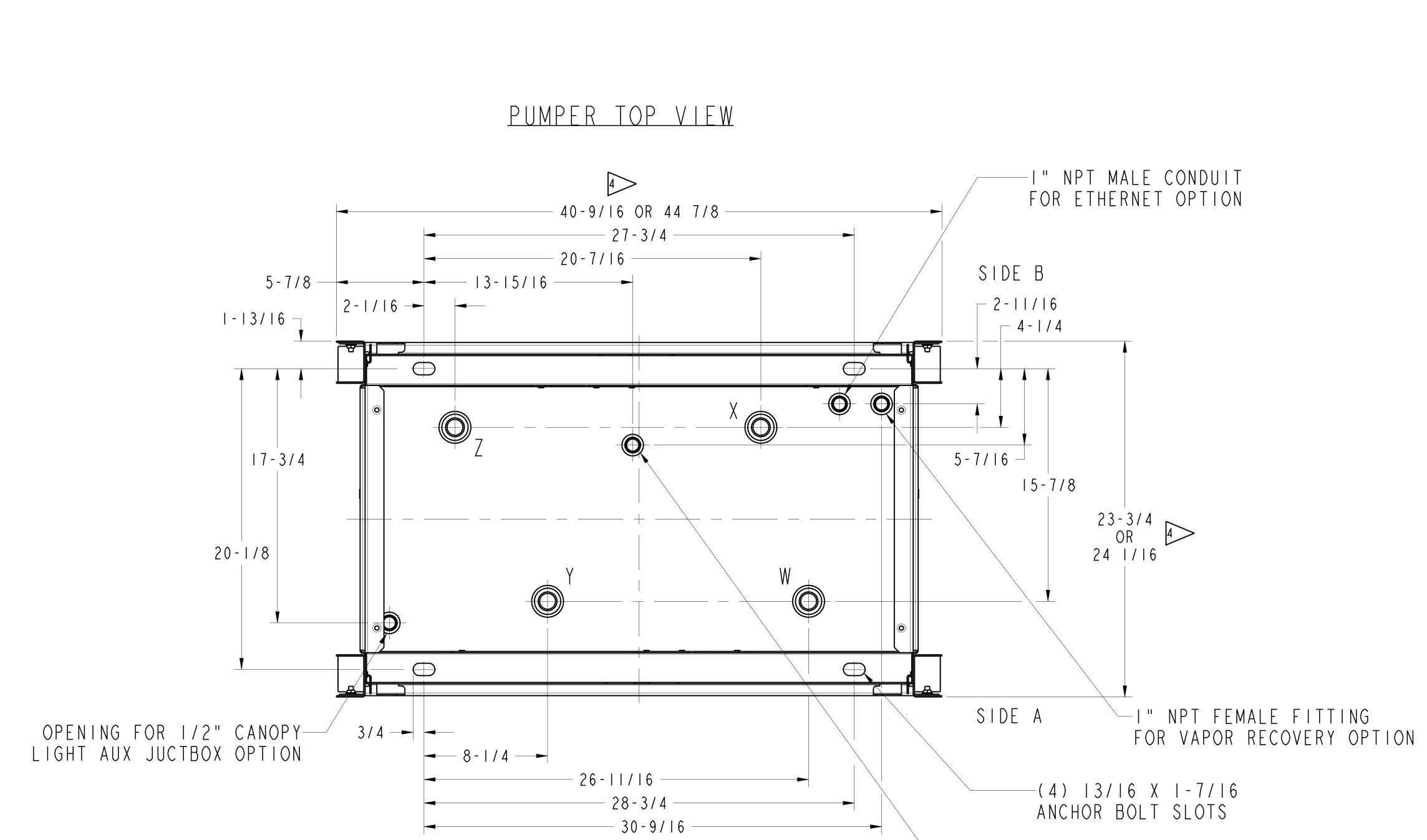
-I" CONDUIT FOR ETHERNET AND/OR INTERCOM (WHEN REQUIRED) LOCATED THIS SIDE

INLETS MODEL# NAO NAI NG4 W & X NNI/NN2/NN3NJO NA2 NG O NLO/NLI/NL2 W,X & Y NJ2 NJ5 NA3 NGI W,X,Y & Z NJ4NJ6 NF2/NF4 NF6, NF7

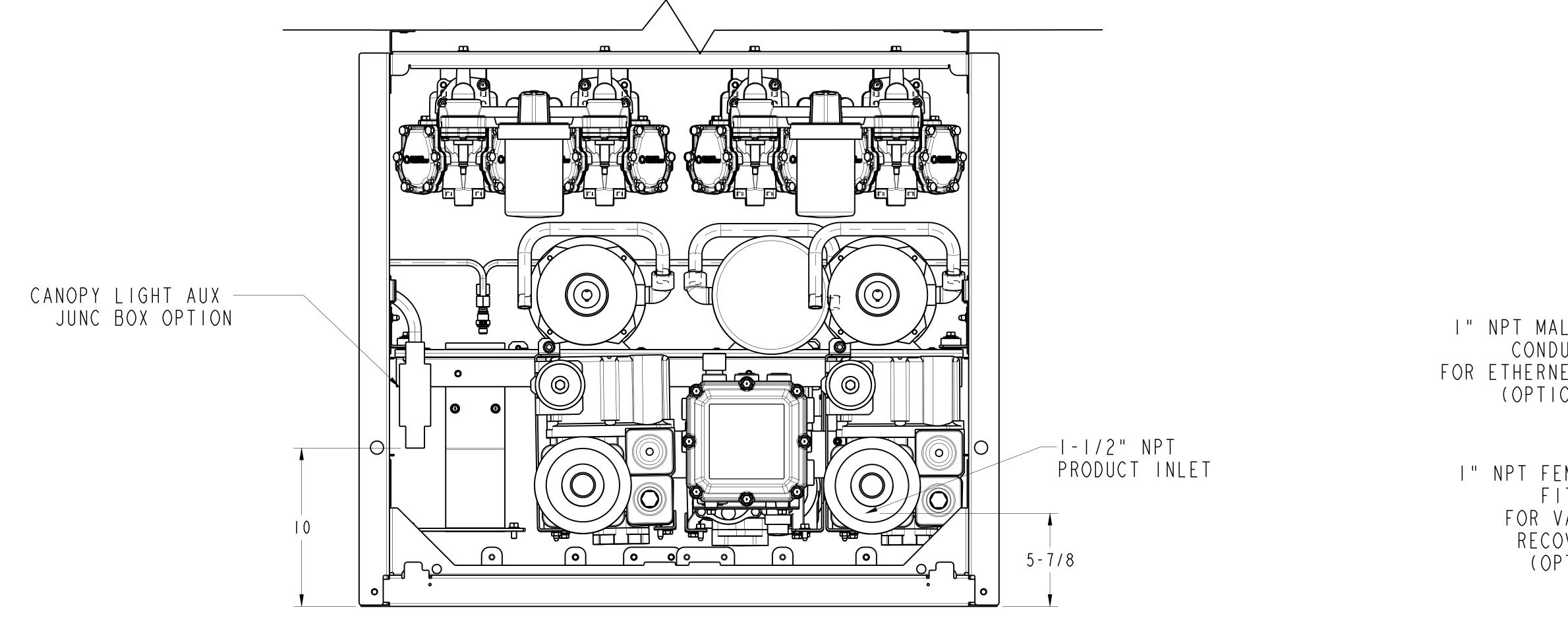
(DIMENSIONS ARE IN INCHES)





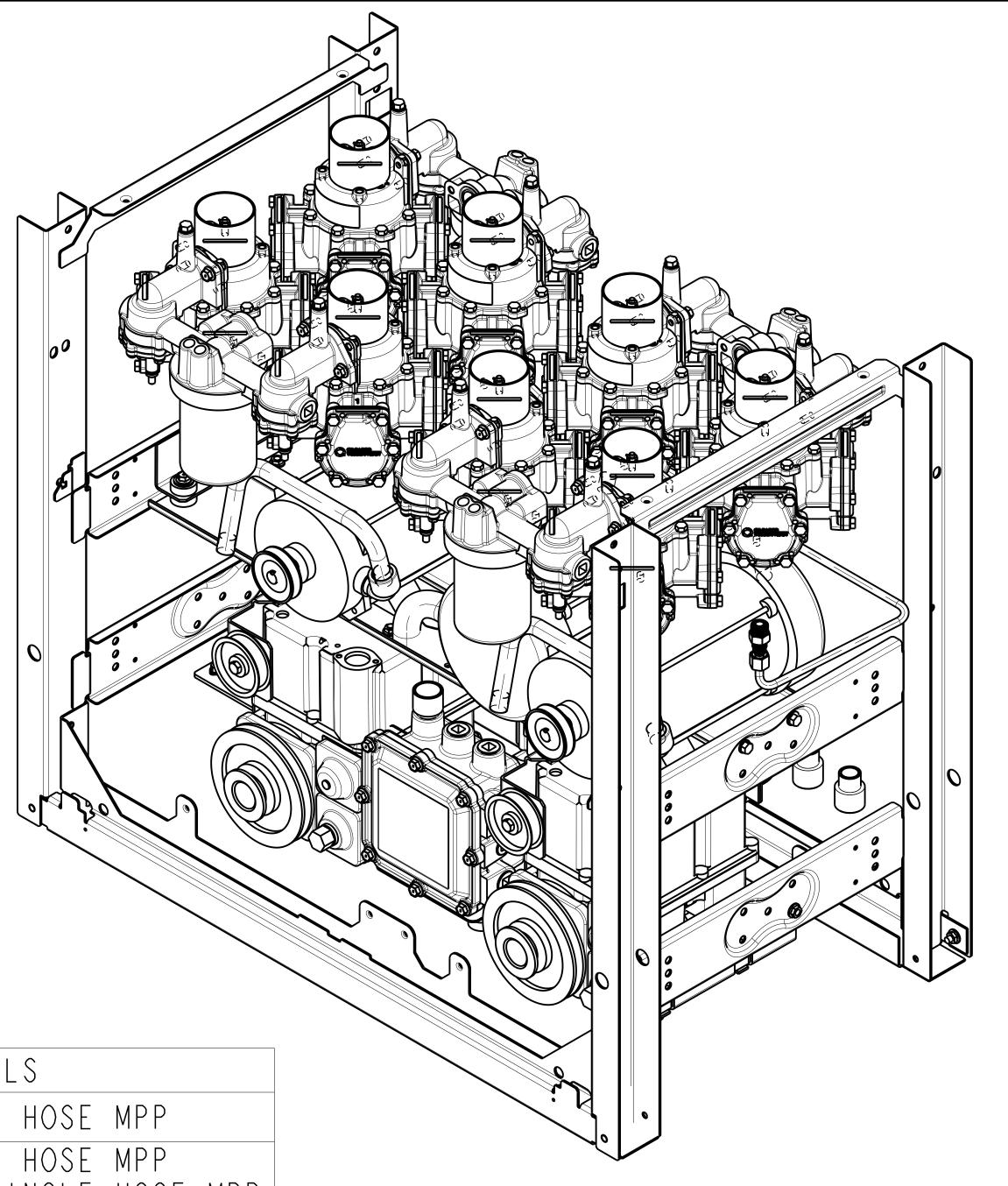


<u>side a view</u>



SIDE A OF UNIT PRIMARY ELECTRICAL SERVICE SIDE

-I" CONDUIT FOR PUMPING UBIT J-BOX CONNECTION



INLETS	MODEL#	PUMP MODELS	
W	NCO	I GRADE 2 HOSE MPP	
W & X	NCI NG5 NN5/NN6/NN7 NJI	2 GRADE 4 HOSE MPP 2 GRADE SINGLE HOSE MPP X+0 SELECTABLE BLENDER 3 GR MULTI HOSE BLENDER	
W,X & Y	NC2 NG2 NL4/NL5/NL6 NJ3	3 GRADE 6 HOSE MPP 3 GRADE SINGLE HOSE X+I SELECTABLE BLENDER 3+I MULTI HOSE BLENDER	2
W, X, Y & Z	NC 3 NG 3	4 GRADE 8 HOSE MPP 3+1 SINGLE HOSE MPP	3

SIDE	В	VI	ΕW

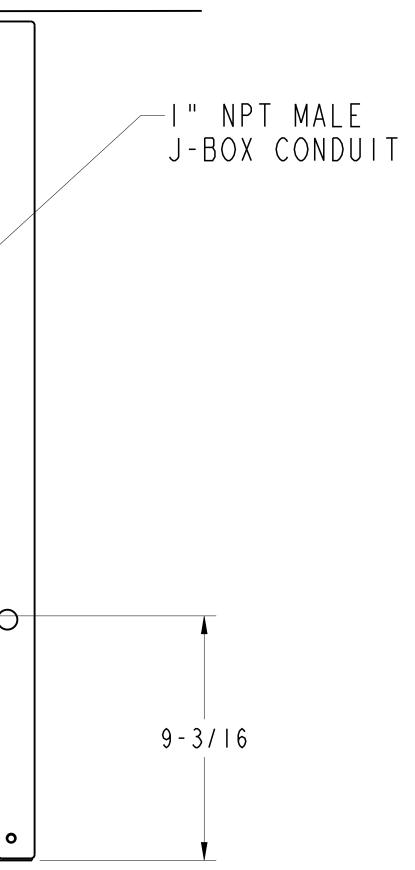
SIDE B OF UNIT

IALE DUIT NET ION)	
EMALE FITTING VAPOR COVERY OPTION)	
9 - 1 / 1 6	

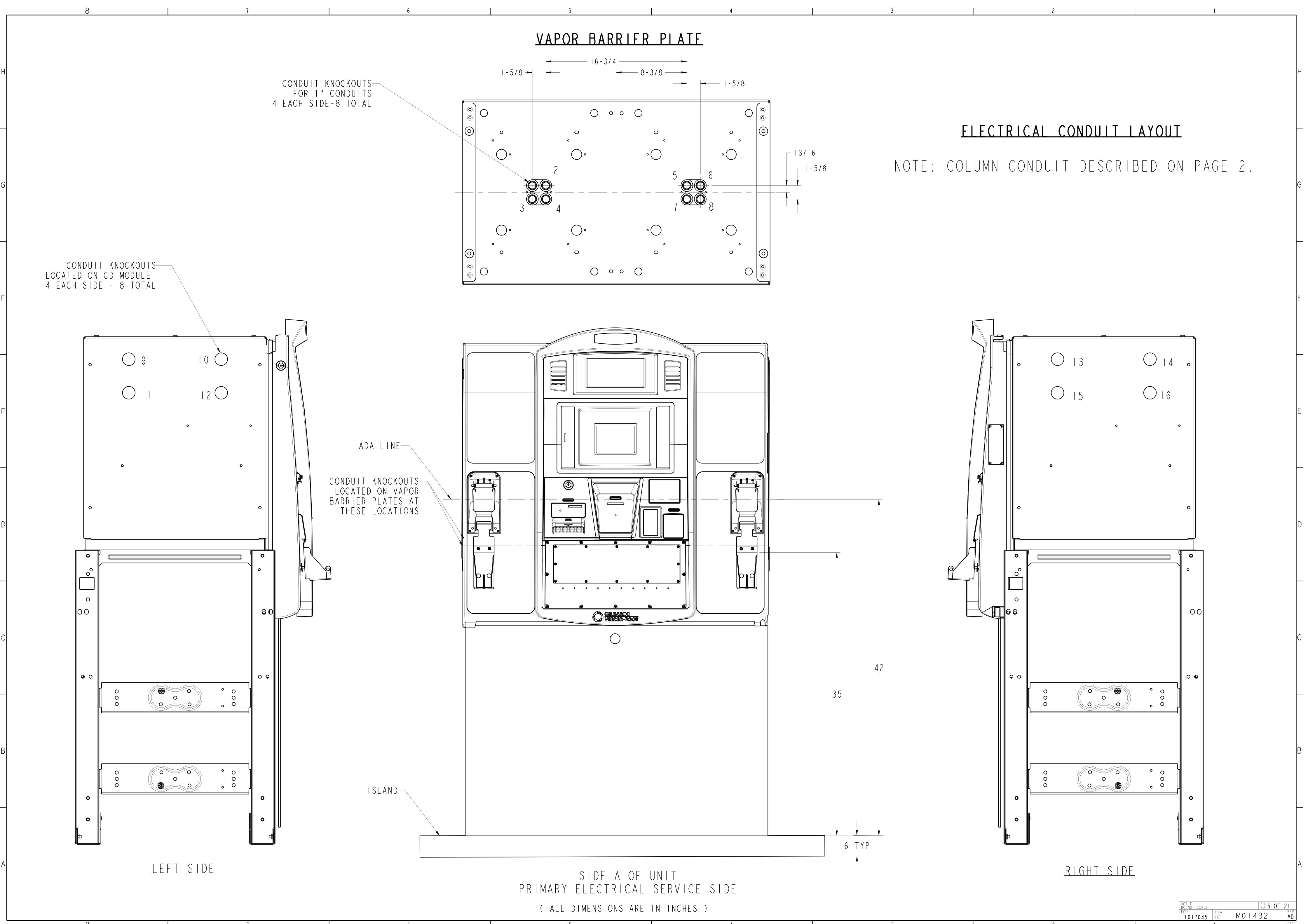
<u>SELF CONTAINED WITH PISTON METER</u>

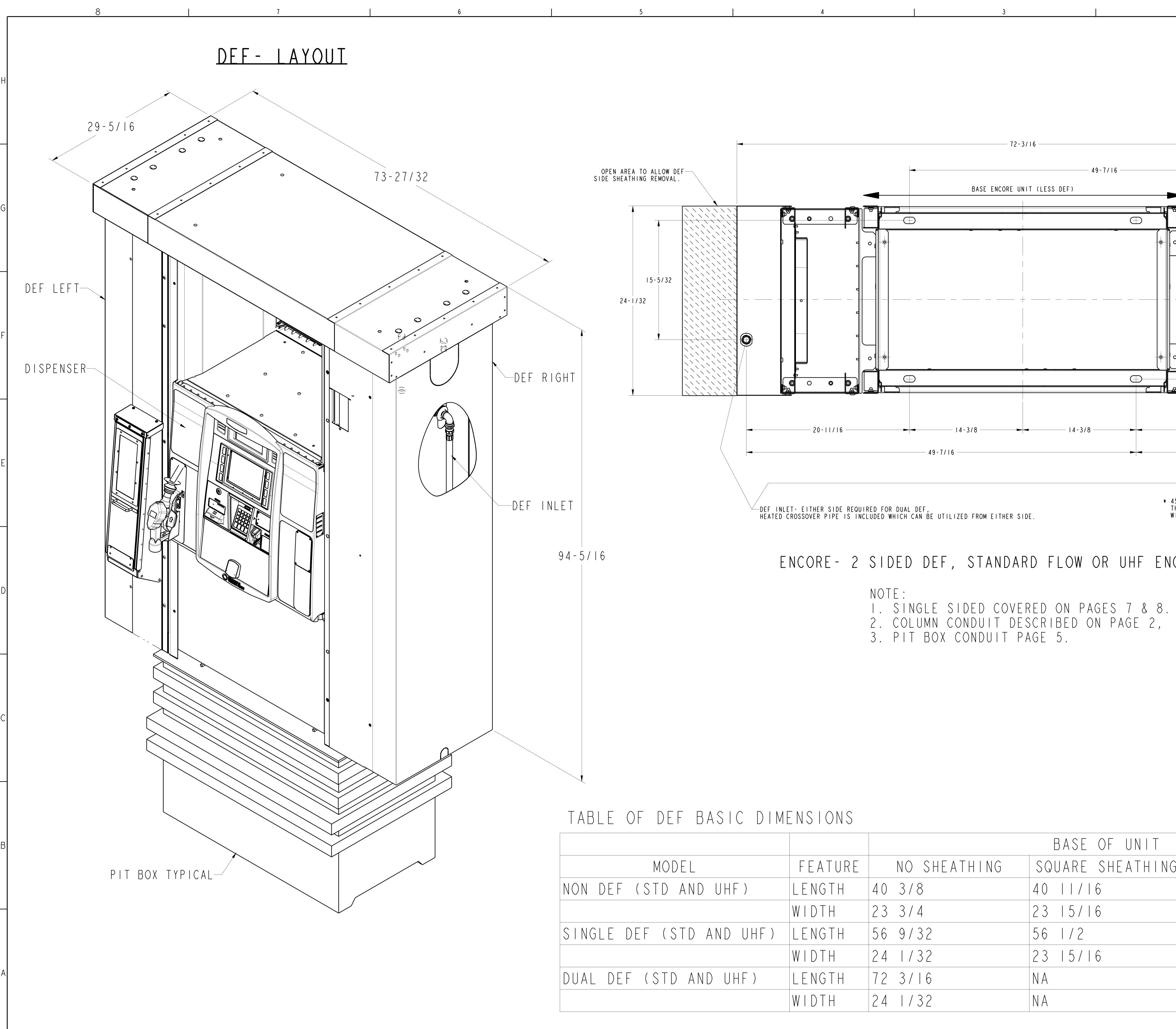
(ALL DIMENSIONS ARE IN INCHES)

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4		



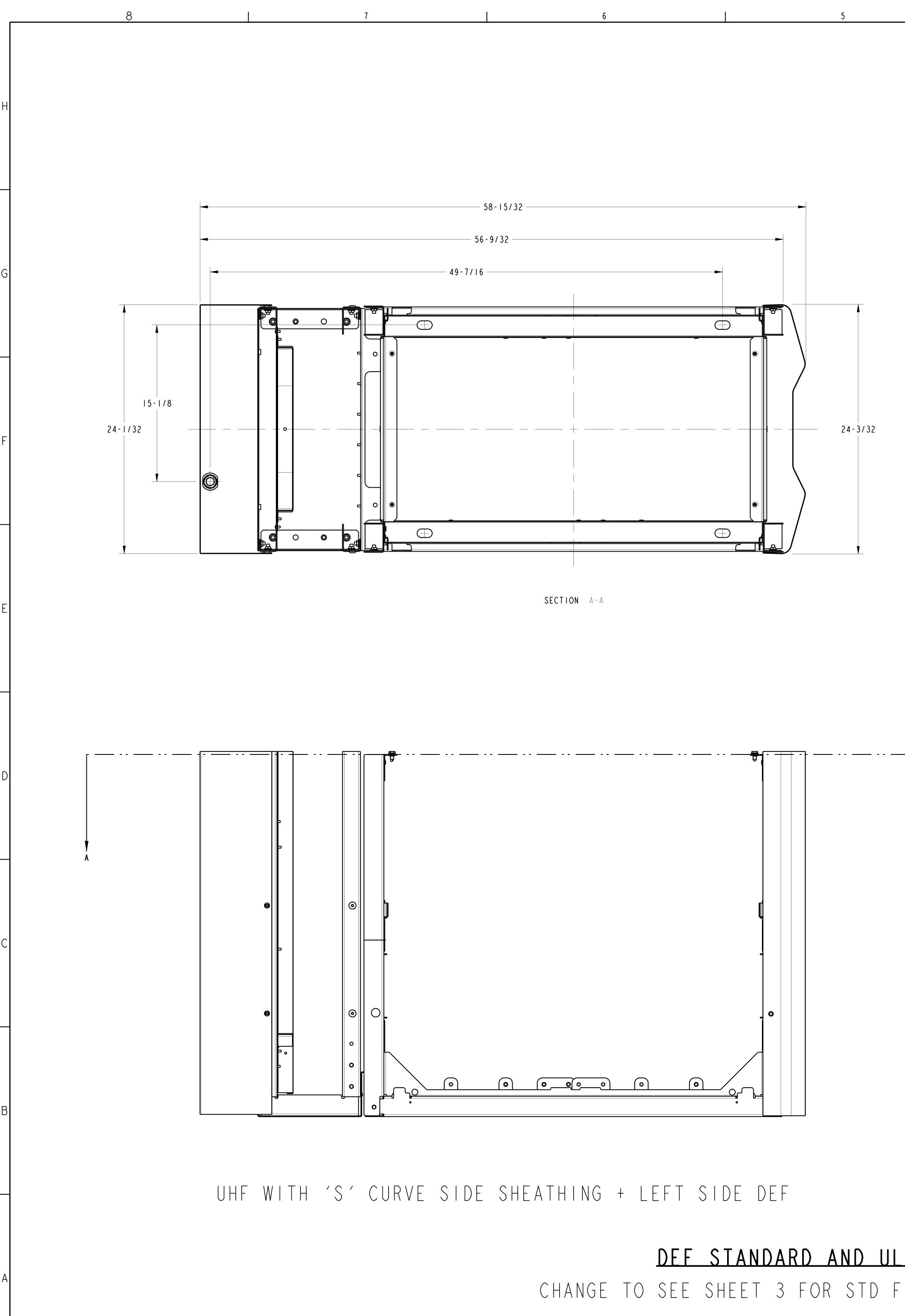
SCALE DO NOT SCALE		SH _{NO} .4	OF	21
ECO 1017045	SYM NO.	M01432		rev AB
				PRO/E





				Н
				SHEATHING, REMOVE FOR DEF. HYDRAULIC MODULE
	7	2-3/16		DEF SIDE SHEATHING.
		49-7/16		SIDE SHEATHING REMOVAL.
		UNIT (LESS DEF)		
		(
		· +	+0	
E				15-5/32
				F
				
		(
20-11/16	► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ►	► < I 4 - 3/8	22	23
	49-7/16		►	E
ILET - EITHER SIDE REQUI CROSSOVER PIPE IS INC	RED FOR DUAL DEF, LUDED WHICH CAN BE UTILIZED FROM EITHER	SIDE.	<pre>* 45" FROM FOUNDATION BOLT, THE MINIMUM TO REMOVE END CO WITH TOP COVER REMOVED ONLY</pre>	OVER WITH OUT REMOVING THE TOP COVER. 23" MINIMUM REQUIRED.
FNCORF-2	SIDED DEF, STAND	ARD FLOW OR UH	HE ENCORE MODELS.	
				ח
	NOTE: I. SINGLE SIDED COV	'ERED ON PAGES 7	88.	
	 COLUMN CONDUIT [PIT BOX CONDUIT 		E2,	
	J. ITI DUA CONDUTT	TAUL J.		
				С
1ENSIONS				
		BASE OF U	ΝΙΤ	TOP OF UNIT B
FEATURE	NO SHEATHING	SQUARE SHEA	THING (S' CURVE /	TUXEDO UPPER COVER
LENGTH	40 3/8	40 / 6	44 3 / 6	45 1/8
WIDTH	23 3/4	23 15/16	24 3/32	29 5/16
LENGTH	56 9/32	56 1/2	58 15/32	60 3/16
WIDTH	24 1/32	23 15/16	24 3/32	29 5/16
LENGTH	72 3/16	NA	NA	73 27/32 A
WIDTH	24 1/32	NA	NA	29 5/16
				SCALE DO NOT SCALESH 6 OF 21 NO. 6 OF 21ECO I017045SYM NO. MO1432REV AB
4	3		2	PRO/E

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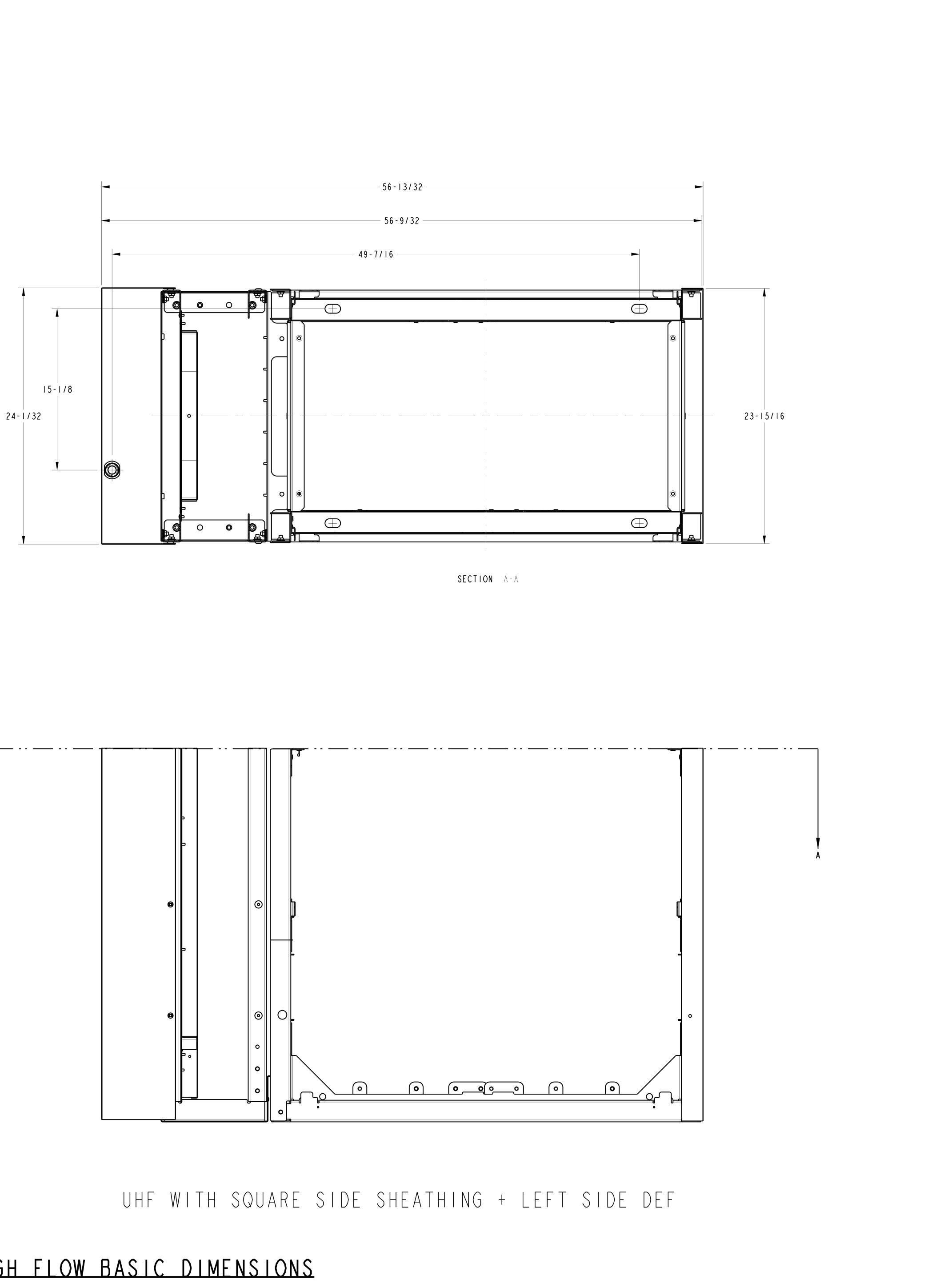


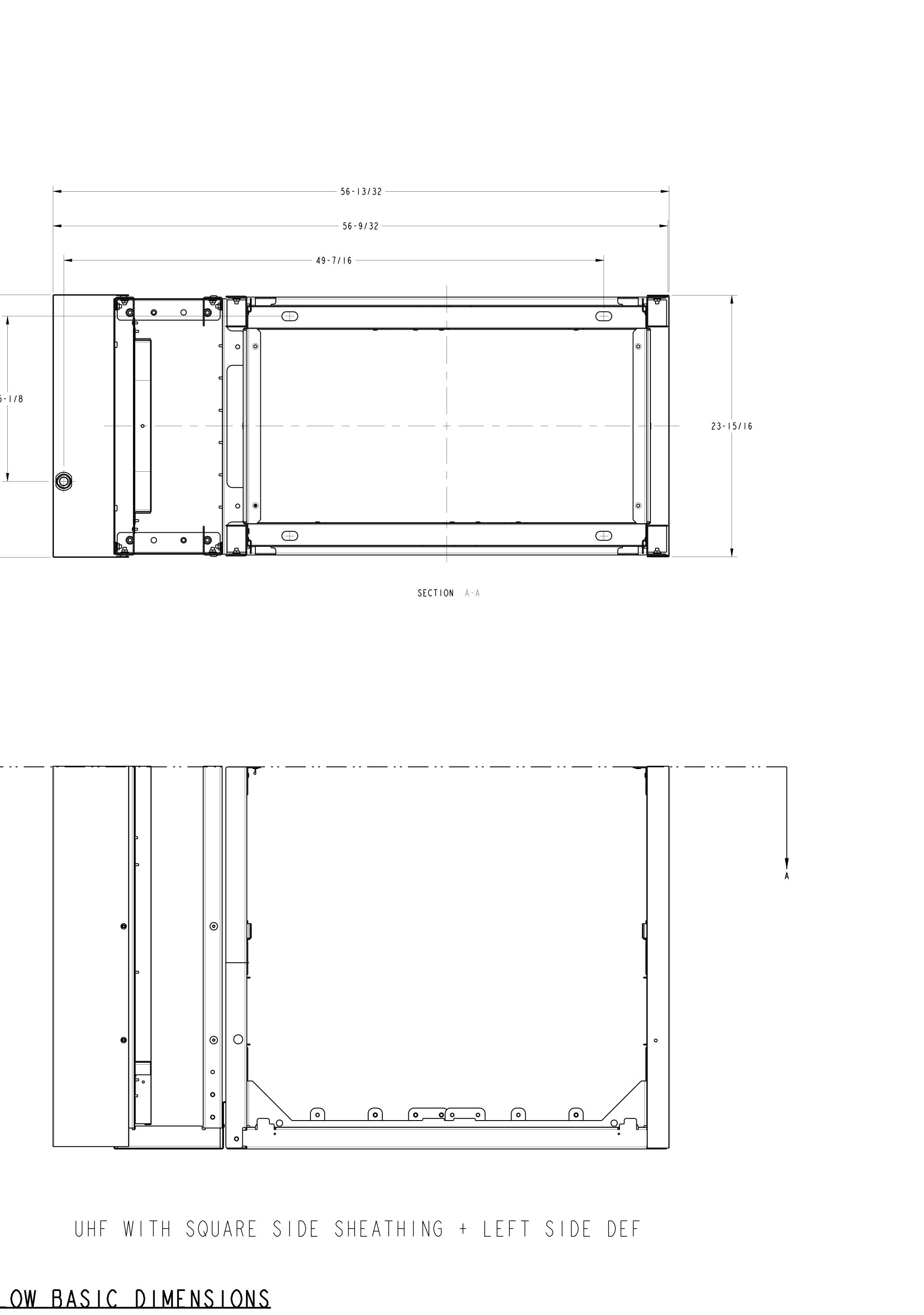
DEF STANDARD AND ULTRA HIGH FLOW BASIC DIMENSIONS

CHANGE TO SEE SHEET 3 FOR STD FLOW INLET LOCATIONS AND UHF INLET LOCATIONS. (DIMENSIONS ARE IN INCHES)

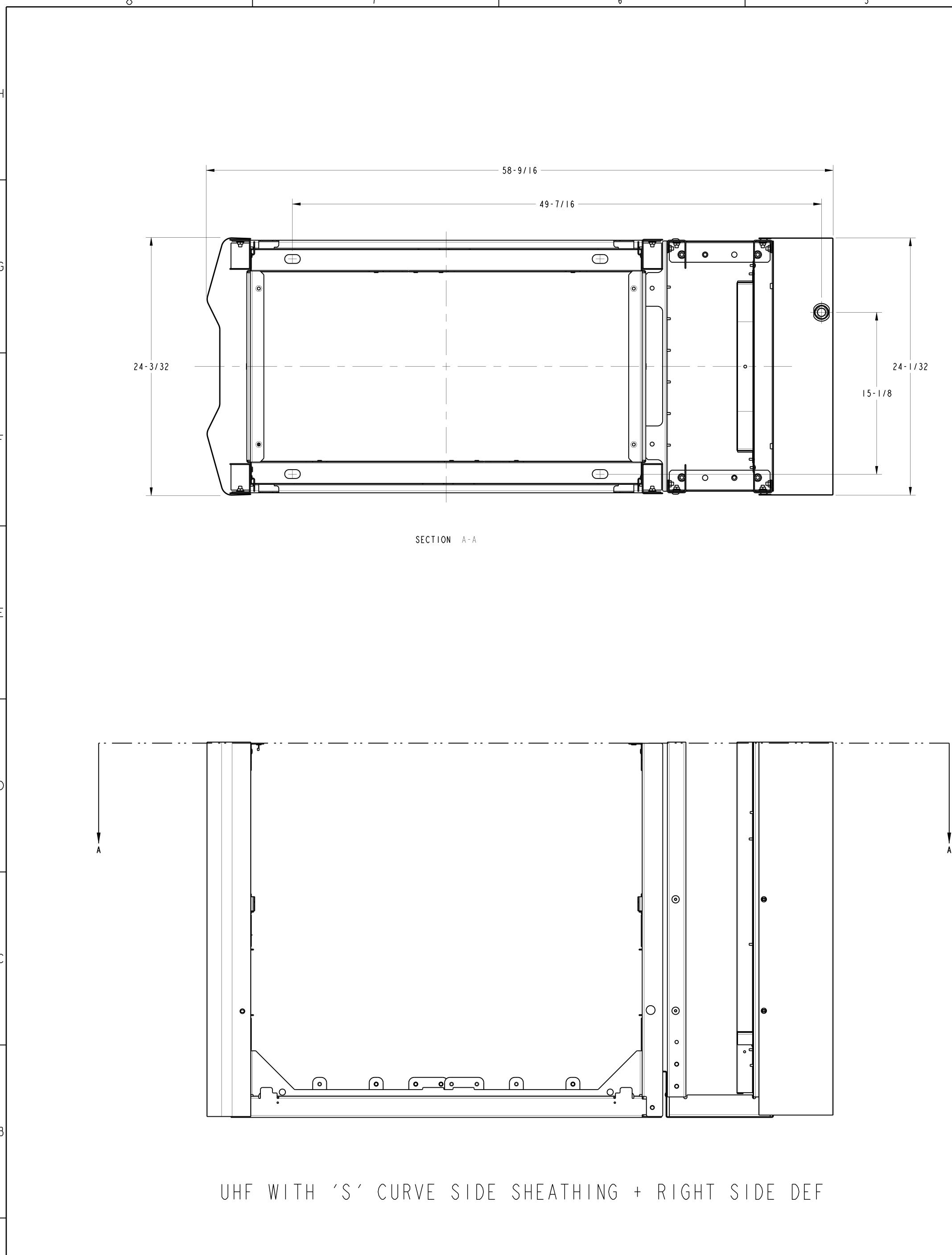
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V	5	1 · · · · · · · · · · · · · · · · · · ·	J	

24-1/32



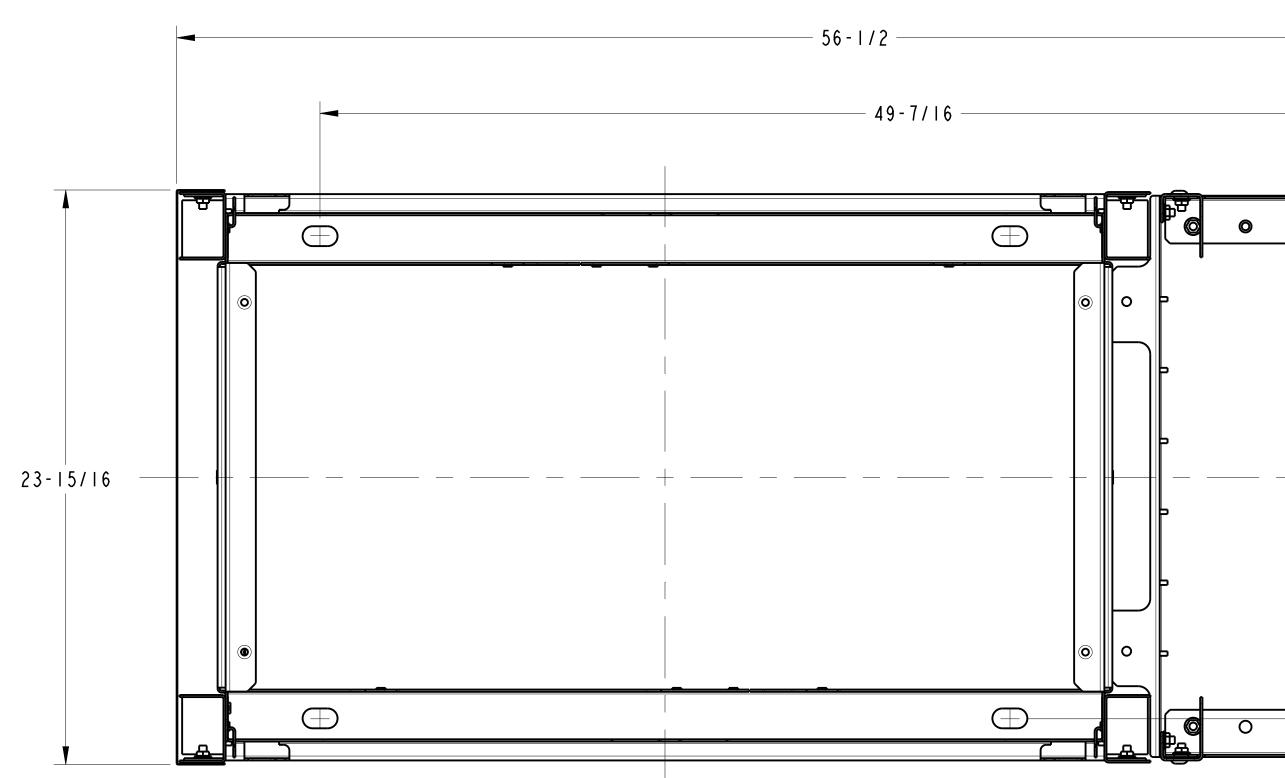


	SCALE DO NOT SCALE	SH NO. 7 OF 21
		MOI432 REV AB
2		PRO/E

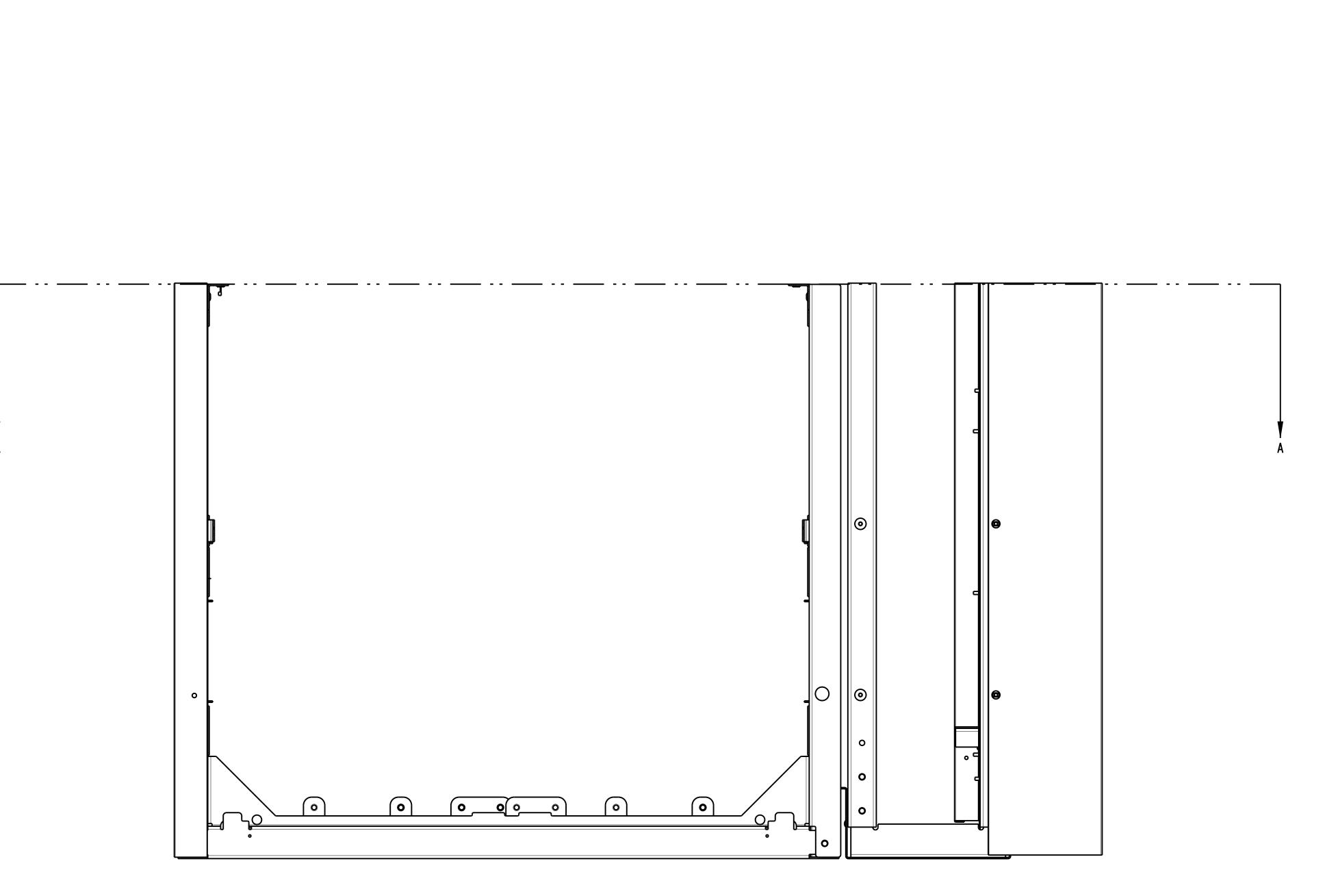


DEF STANDARD AND ULTRA HIGH FLOW BASIC DIMENSIONS CHANGE TO SEE SHEET 3 FOR STD FLOW INLET LOCATIONS AND UHF INLET LOCATIONS. (DIMENSIONS ARE IN INCHES)

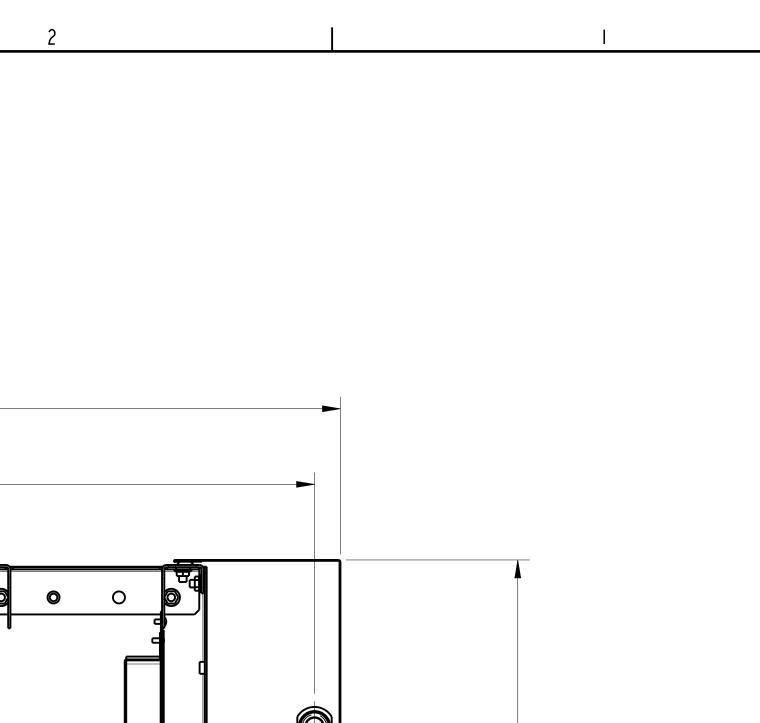
)	







UHF WITH SQUARE SIDE SHEATHING + RIGHT SIDE DEF

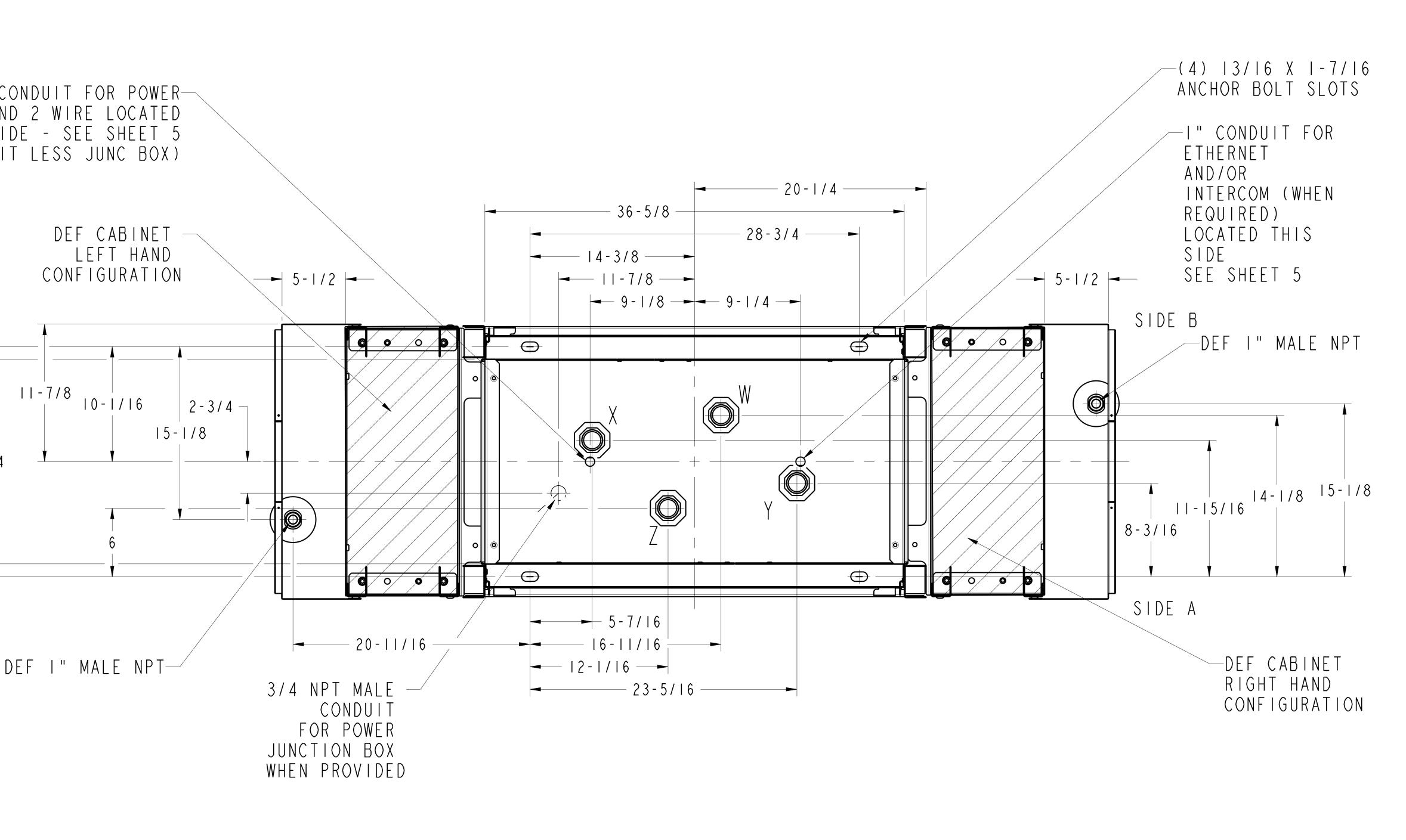


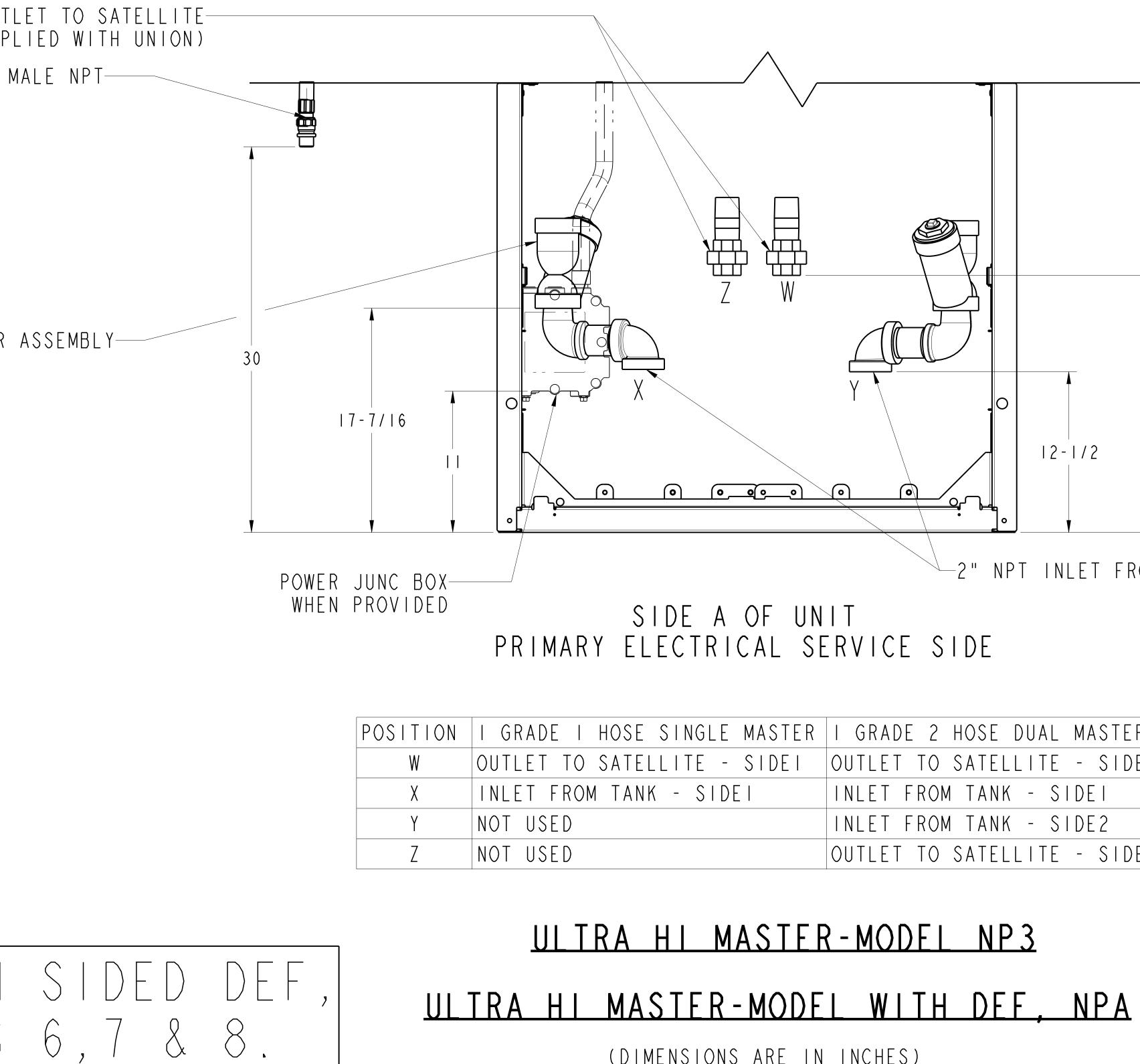
24-1/32

15-1/8

SCALE DO NOT SCALE SH 8 0	F 21
I017045 NO. MOI432	rev AB
	PRO/F

I" CON AND THIS SIDE (UNIT	-1	+
	G	(
DE	-	F
I-I/2" NPT OUT (SUPP DEF I"		
	C	[
▶ STRAINER	C	(
	3	E
FOR LEFT, RIGHT AND BOTH REFER NEWLY DRAWN PAGES	4	ŀ





(DIMENSIONS ARE IN INCHES)

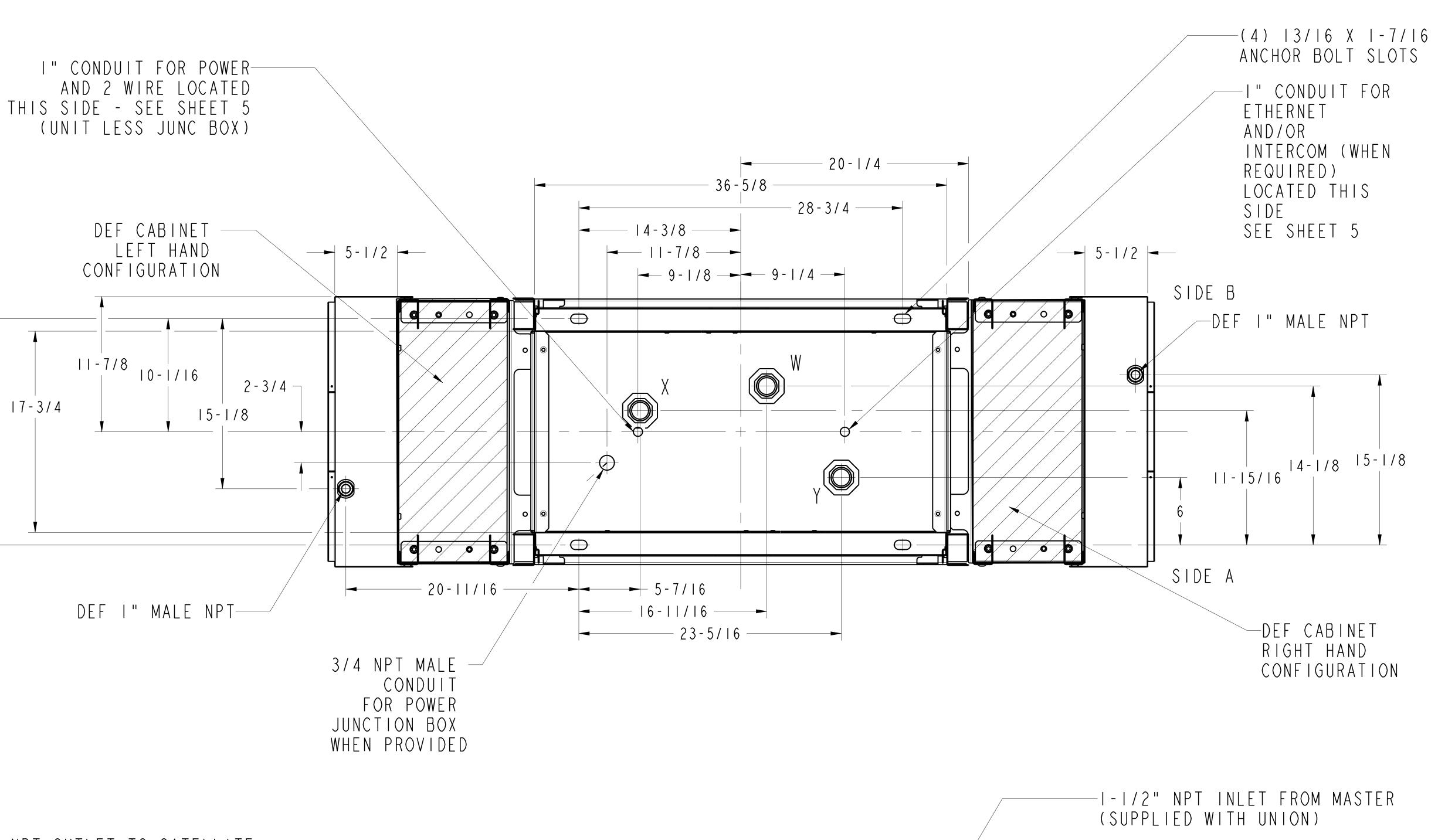
—DEF I" MALE NPT 20 |2-|/2 \bigcirc

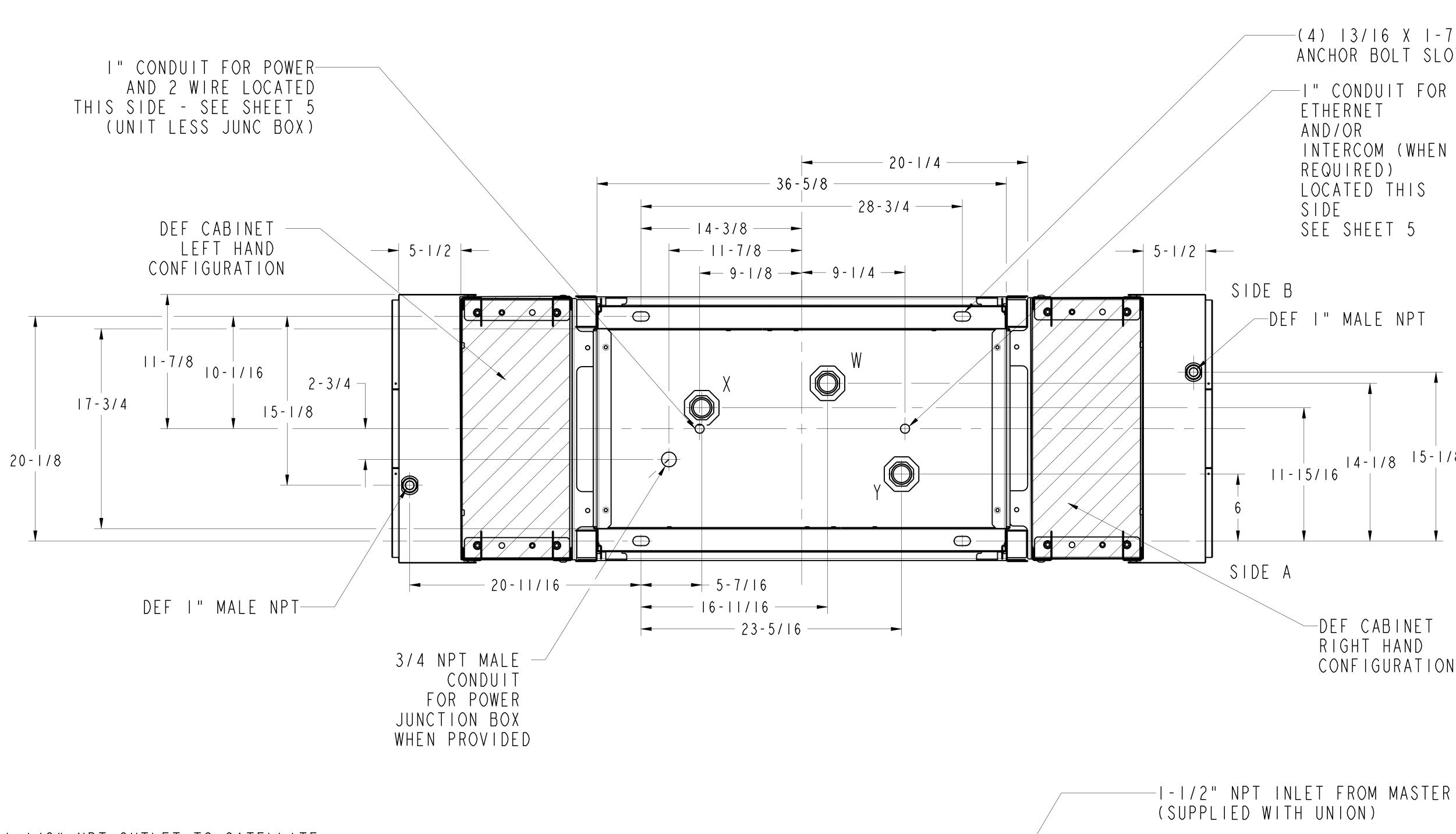
-2" NPT INLET FROM TANK

I GRADE 2 HOSE DUAL MASTER
OUTLET TO SATELLITE - SIDEI
INLET FROM TANK - SIDEI
INLET FROM TANK - SIDE2
OUTLET TO SATELLITE - SIDE2

PRODUCT

A	
SCALE SH 9 OF 21 DO NOT SCALE NO 1 4 3 2 ECO NO 1 4 3 2	

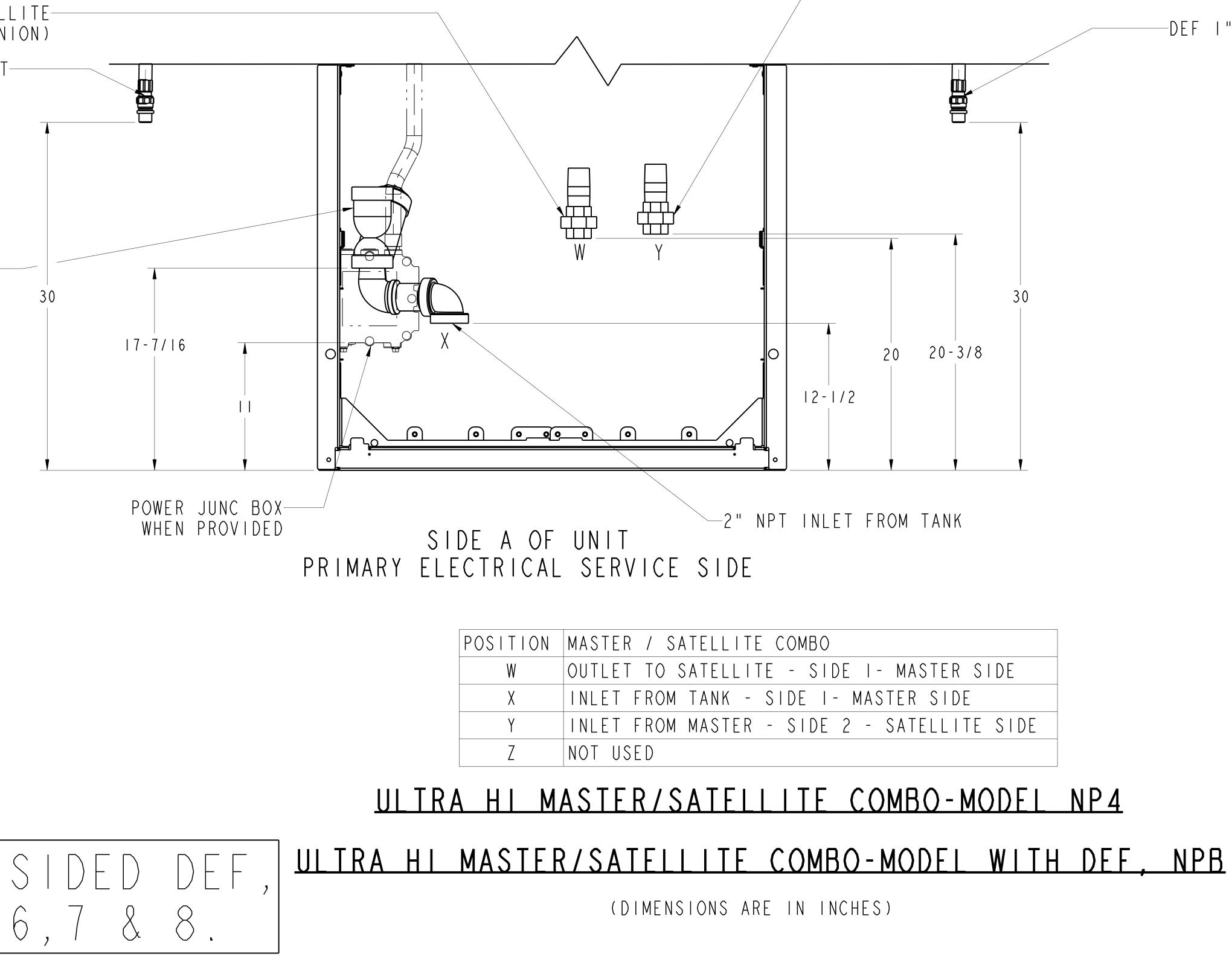




I-I/2" NPT OUTLET TO SATELLITE-(SUPPLIED WITH UNION) DEF I" MALE NPT-

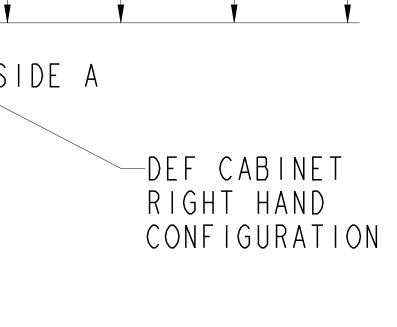
STRAINER ASSEMBLY-

FOR LEFT, RIGHT AND BOTH SIDED DEF, REFER NEWLY DRAWN PAGES 6,7 & 8.



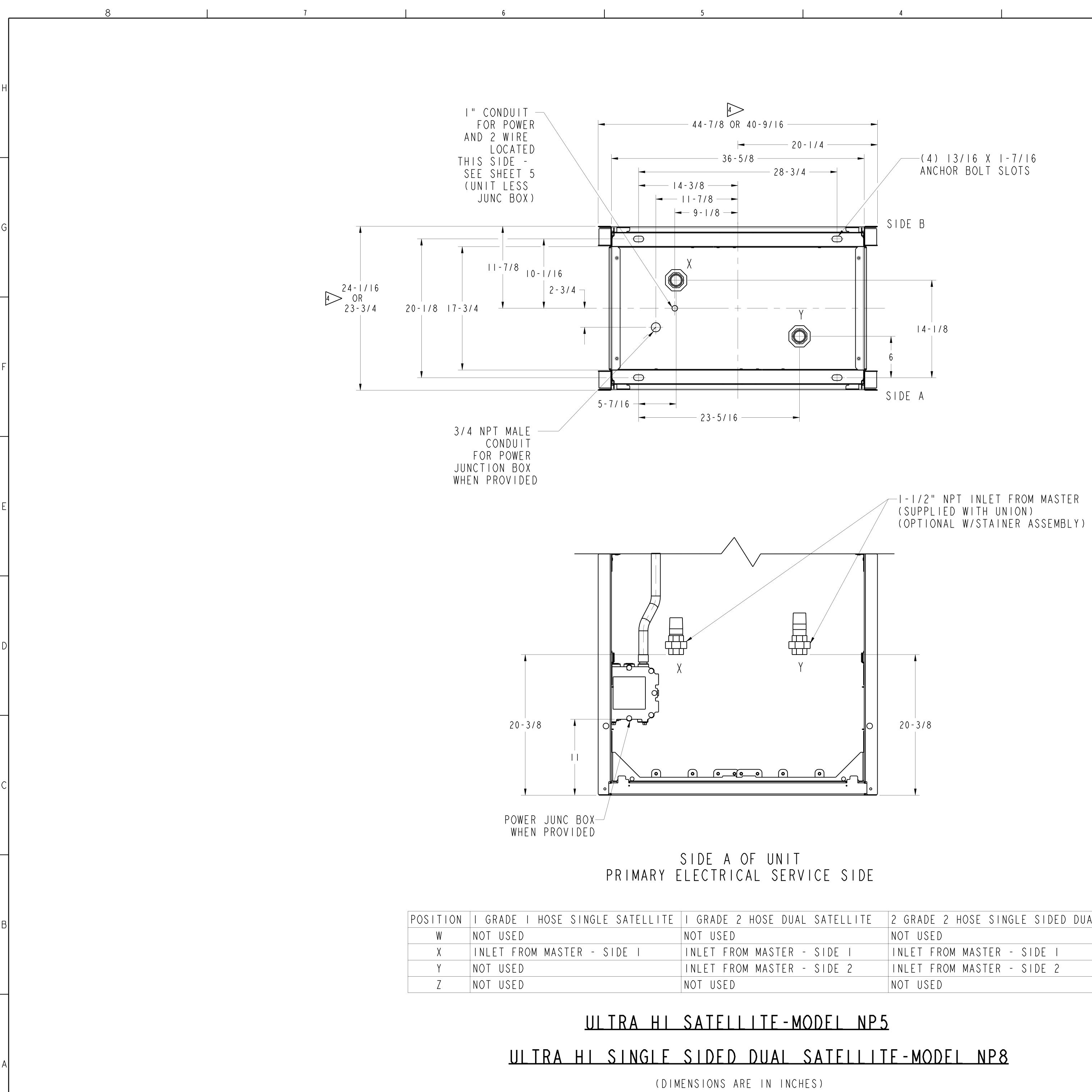
LITE COMBO
LLITE - SIDE I- MASTER SIDE
K - SIDE I- MASTER SIDE
TER - SIDE 2 - SATELLITE SIDE

-DEF I" MALE NPT



PRODUCTION

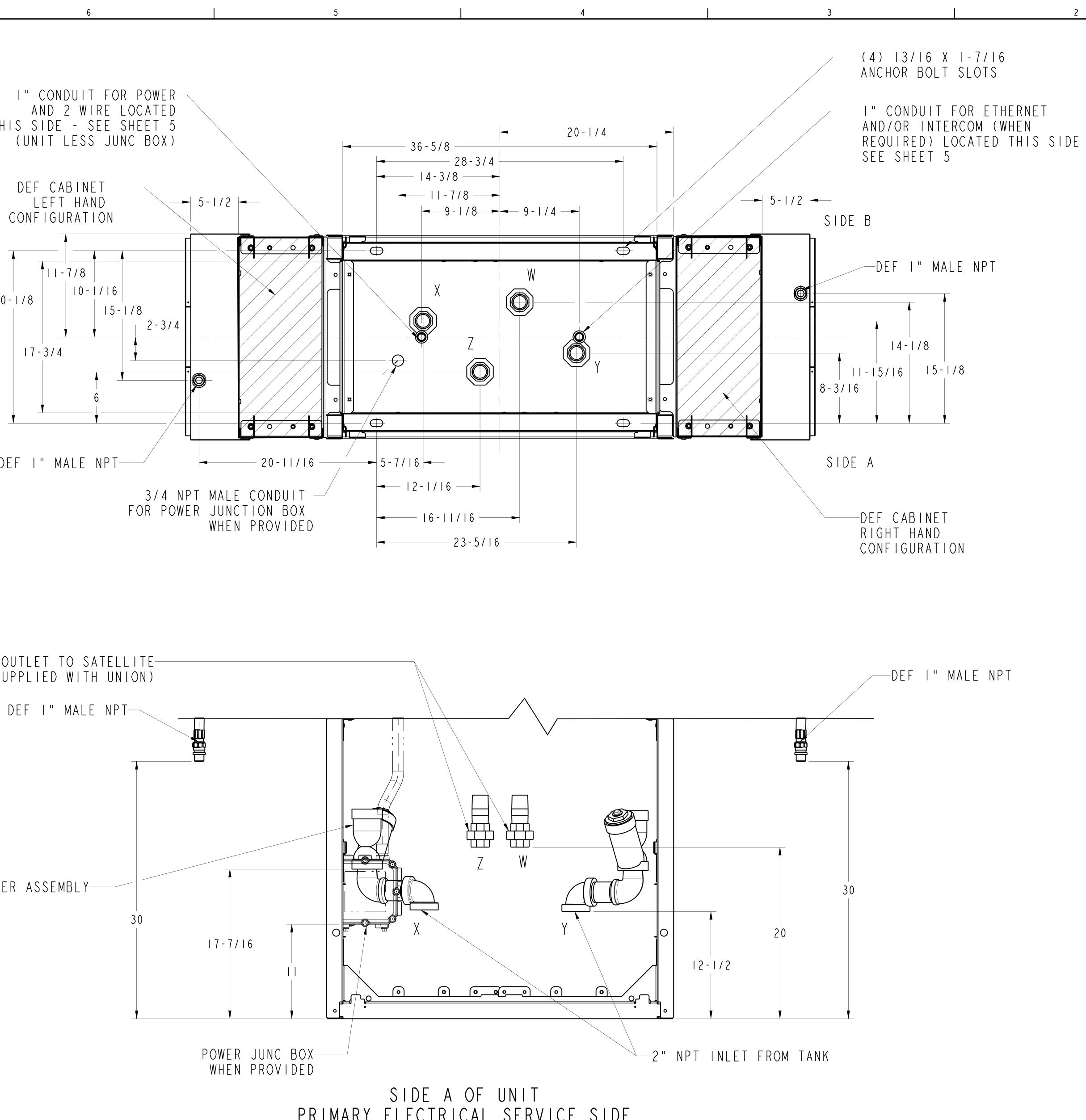
	Н	
	G	
	F	
	E	
	D	
	_ C	
	В	
GEN 4 N : OCTOBER 2014 TO PRESENT	A	
2 SCALE DO NOT SCALE SYM NO. MOI432 PI	2 REV AB RO/E	

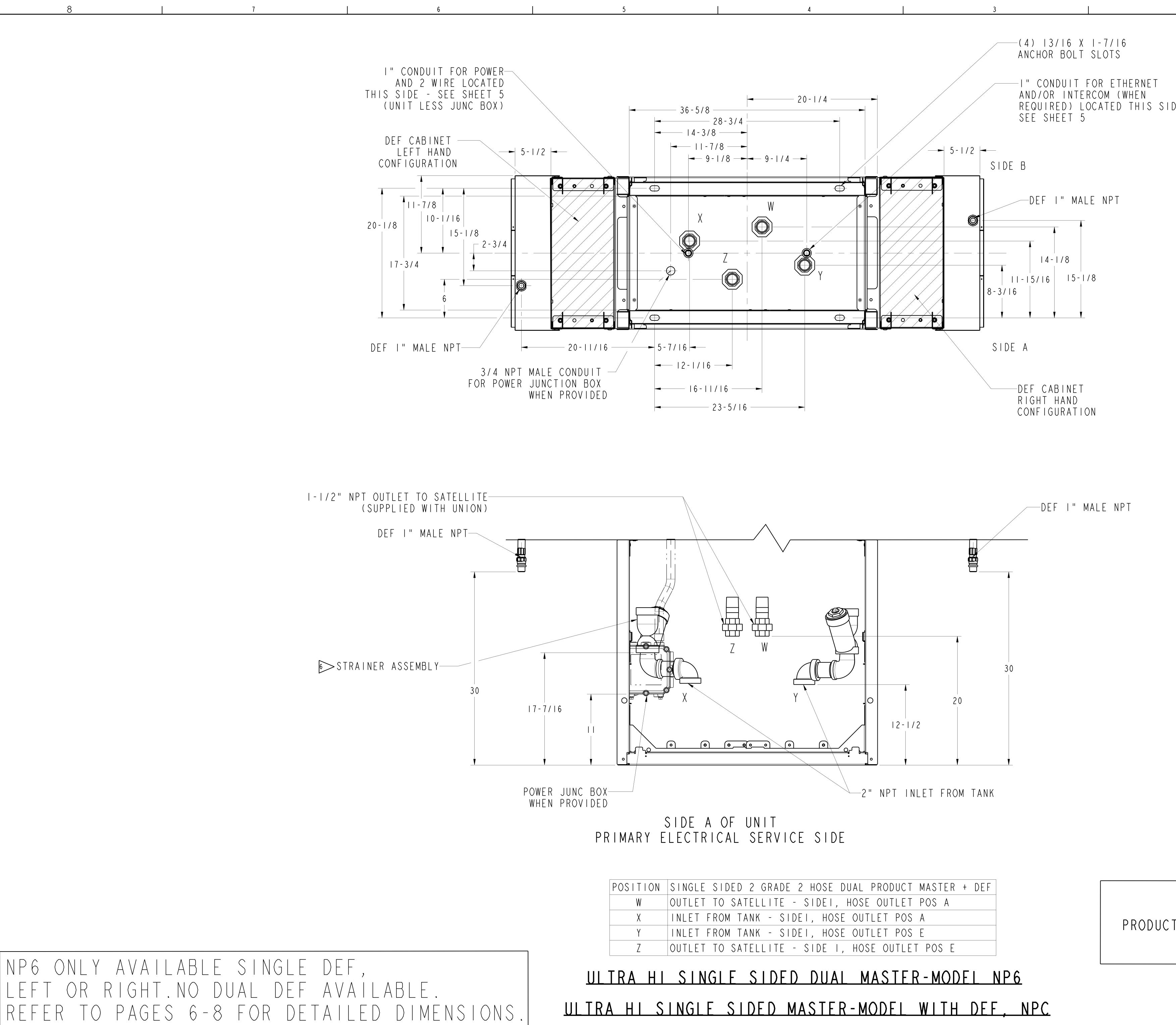


SITION	I GRADE I HOSE SINGLE SATELLITE	I GRADE 2 HOSE DUAL SATELLITE	2 GRADE 2 HOSE SINGLE SIDED DUAL SATELLITE
W	NOT USED	NOT USED	NOT USED
Х	INLET FROM MASTER - SIDE I	INLET FROM MASTER - SIDE I	INLET FROM MASTER - SIDE I
Y	NOT USED	INLET FROM MASTER - SIDE 2	INLET FROM MASTER - SIDE 2
Z	NOT USED	NOT USED	NOT USED

GEN 4 PRODUCTION : OCTOBER 2014 TO PRESENT SCALESH II OF 21DO NOT SCALENO.ECOSYM1017045NO.MOI432AB

NP6 ONLY AVAILABLE SINGLE DEF, LEFT OR RIGHT.NO DUAL DEF AVAILABLE.



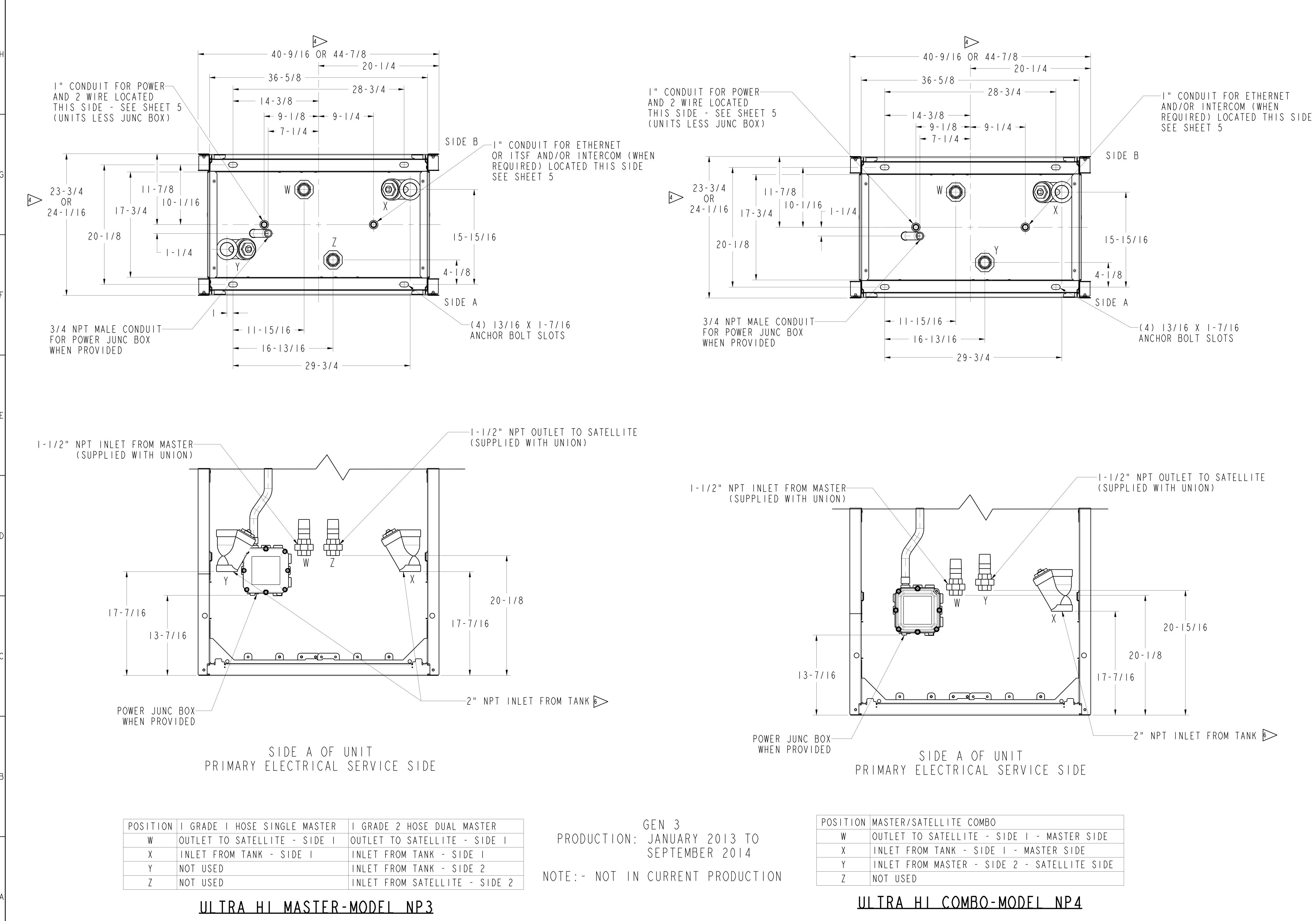


(DIMENSIONS ARE IN INCHES)

ADE 2 HOSE DUAL PRODUCT MASTER + DEF
TE - SIDEI, HOSE OUTLET POS A
SIDEI, HOSE OUTLET POS A
SIDEI, HOSE OUTLET POS E
TE - SIDE I, HOSE OUTLET POS E

4	3	

TION	•	GEN 4 OCTOBER	ΤO	PRES	ΈΝΤ		
			SCALE DO NOT SCAL ECO IOI704	SYM	M012	2 OF	2 I RE AE



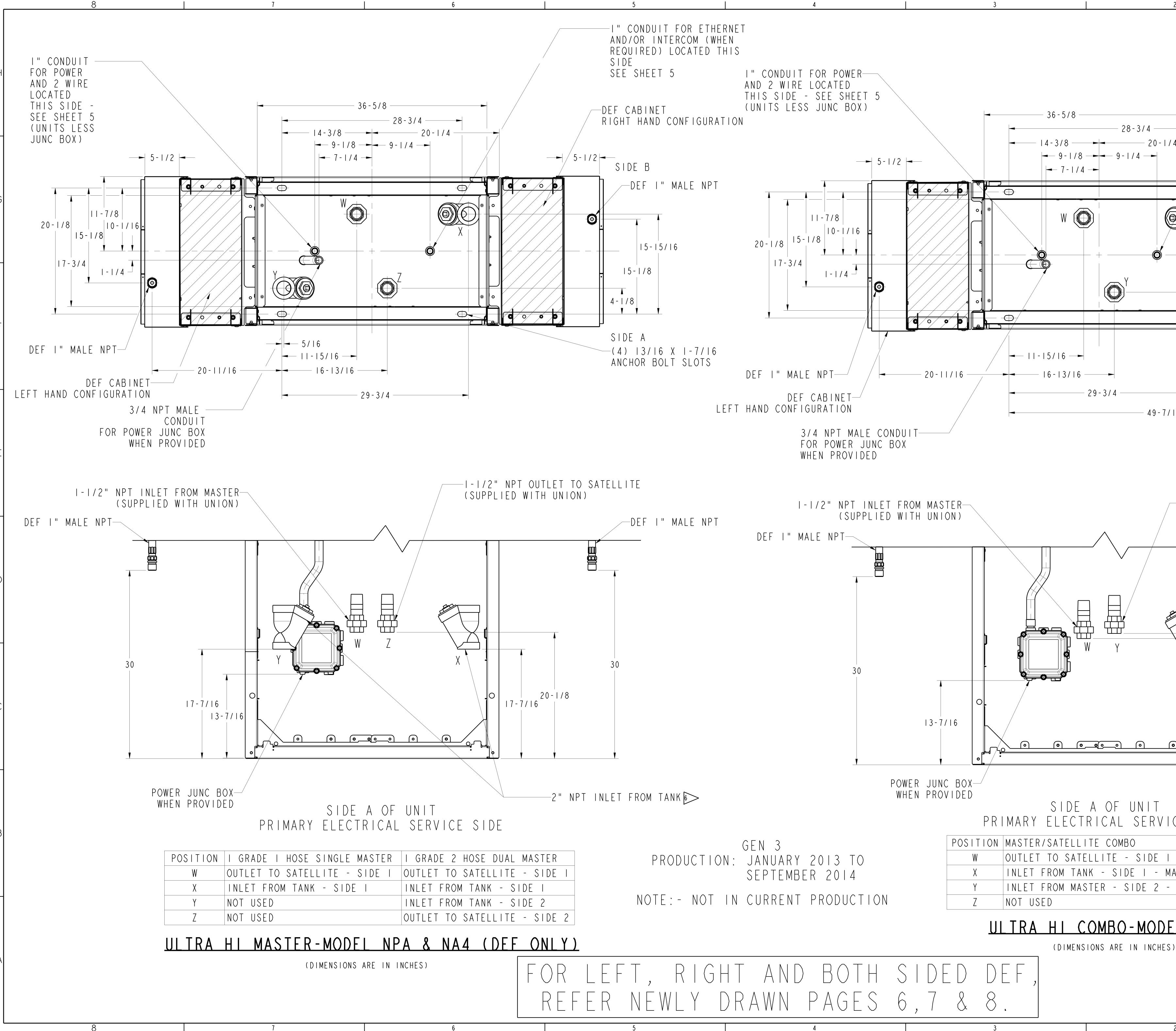
(DIMENSIONS ARE IN INCHES

ES)			
	6	5	

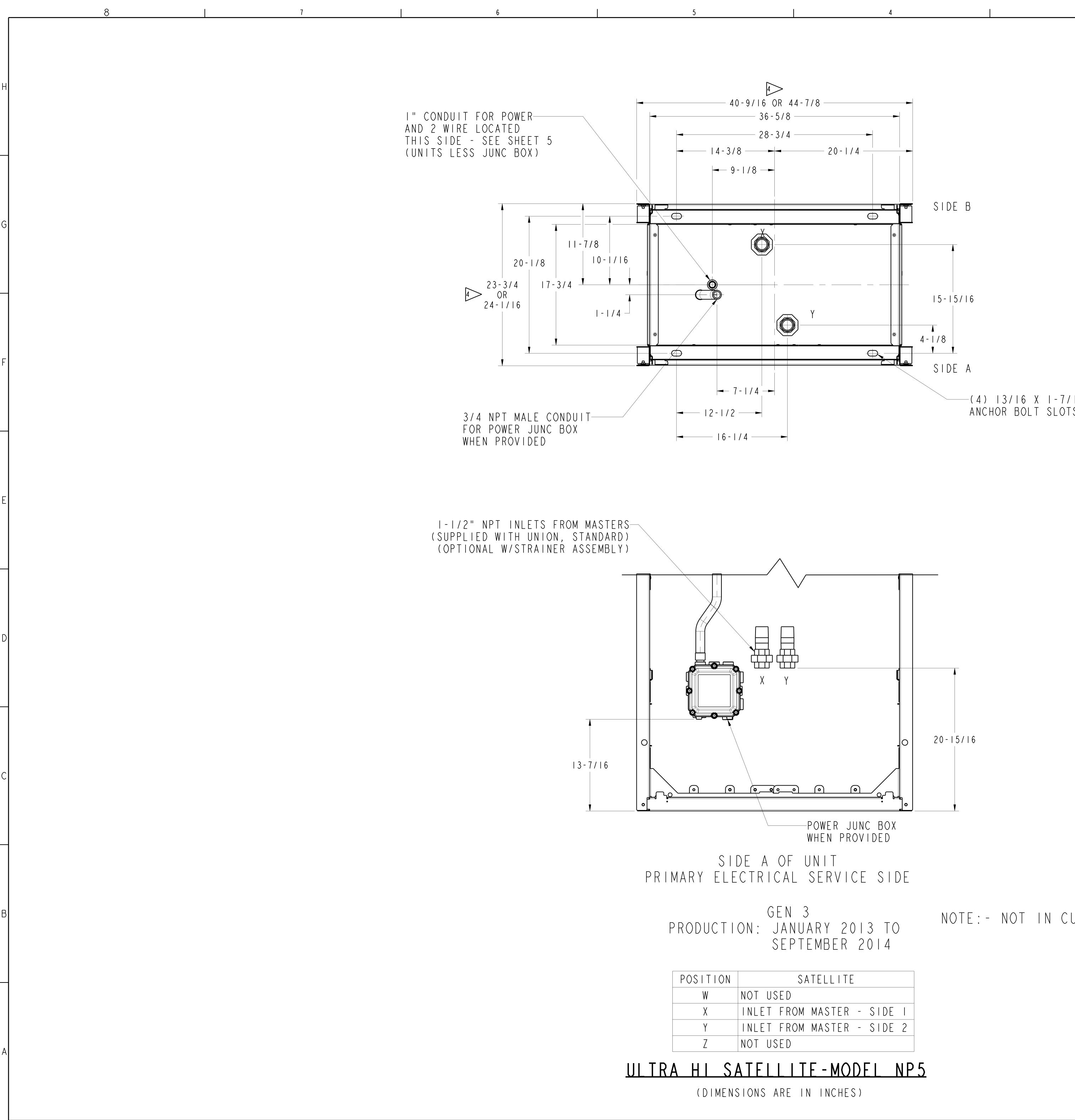
RADE 2 HOSE DUAL MASTER	GEN 3
LET TO SATELLITE - SIDE I	PRODUCTION: JANUARY 2013
ET FROM TANK - SIDE I	SEPTEMBER 201
ET FROM TANK - SIDE 2	NOTE: - NOT IN CURRENT PRODU
ET FROM SATELLITE - SIDE 2	NVIE NVI IN CURRENI FRODU

(DIMENSIONS ARE IN INCHES)

SCALE DO NOT SCALE			SH I3	OF	21
ECO 1017045	SYM NO.	M0 4	32		rev AB
	1			F	PRO/E



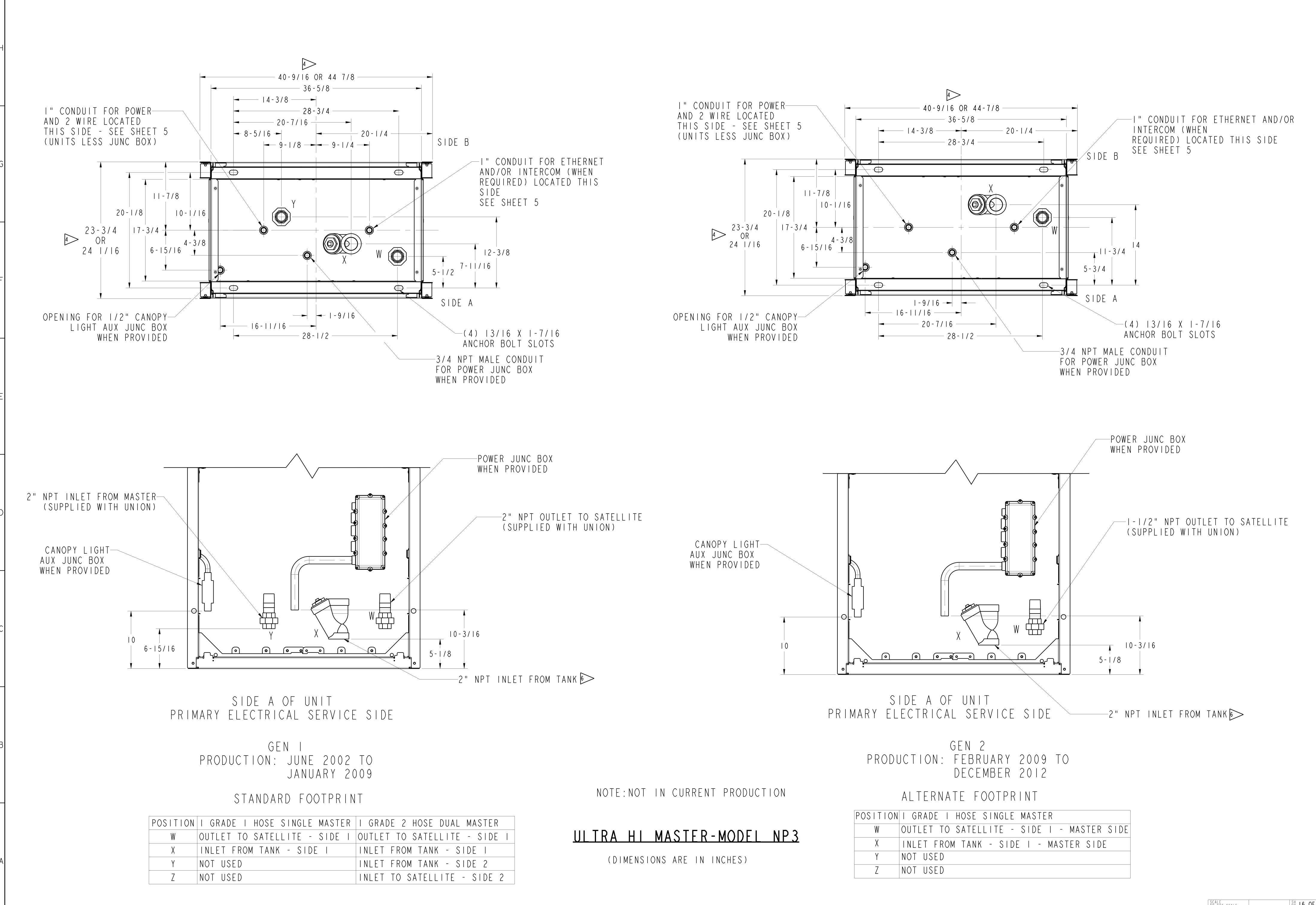
2))
I" CONDUIT FOR ETHERNET AND/OR INTERCOM (WHEN REQUIRED) LOCATED THIS SIDE SEE SHEET 5 DEF CABINET	Н
RIGHT HAND CONFIGURATION	
	G
	F
SIDE A (4) 13/16 X 1-7/16 ANCHOR BOLT SLOTS /16	
	E
	С
2" NPT INLET FROM TANK >	
- MASTER SIDE MASTER SIDE - SATELLITE SIDE	Β
ELNPB S)	А
SCALE DO NOT SCALE SH I4 OF 2I ECO IOI7045 SYM NO. MOI432 REV AB 2 I PRO/E	



NOTE: - NOT IN CURRENT PRODUCTION

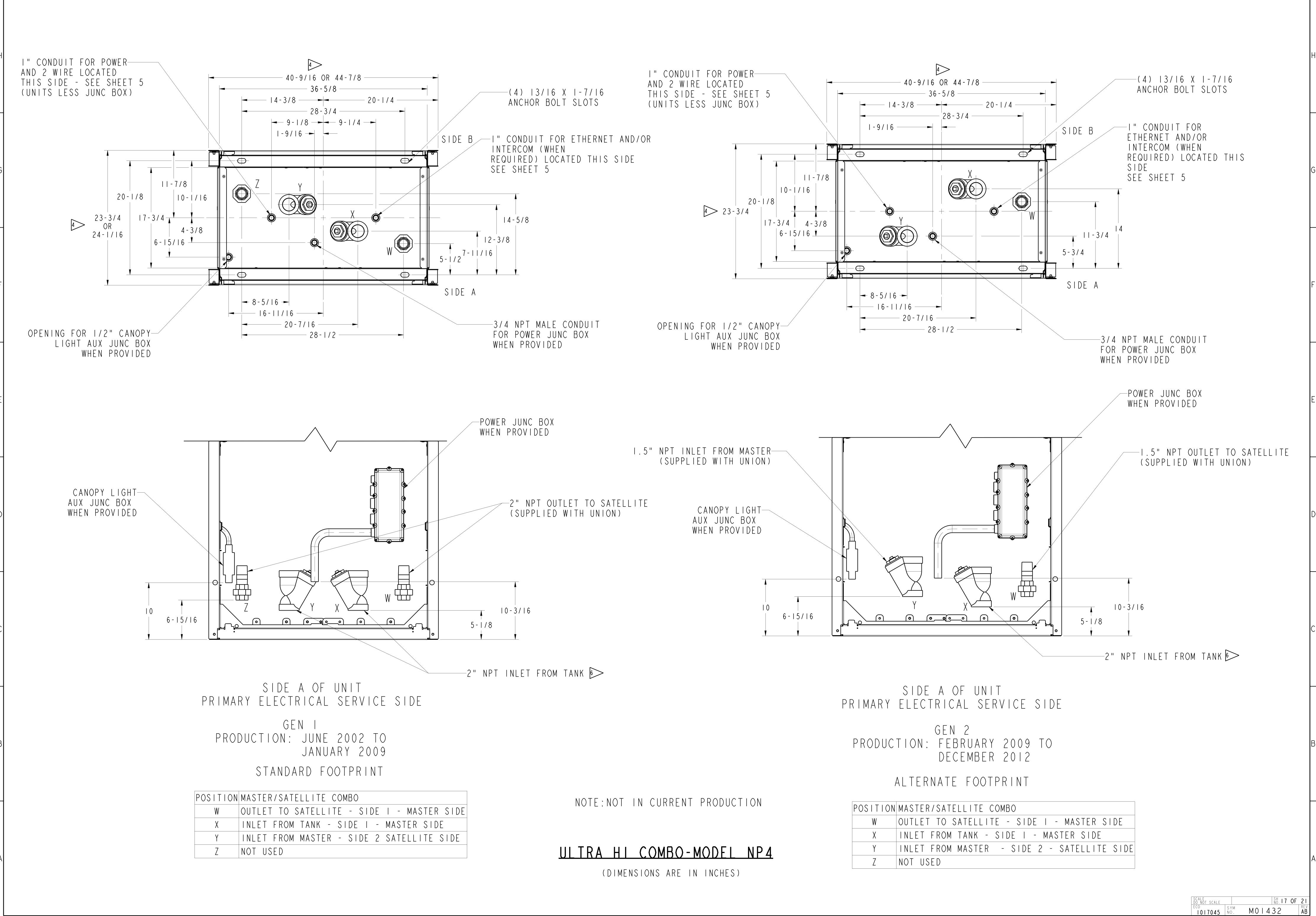
2	

	SCALE DO NOT SCALE		SH NO. I 5	OF	21
	ECO 1017045	SYM NO.	M0 432		rev AB
)				F	PRO/E

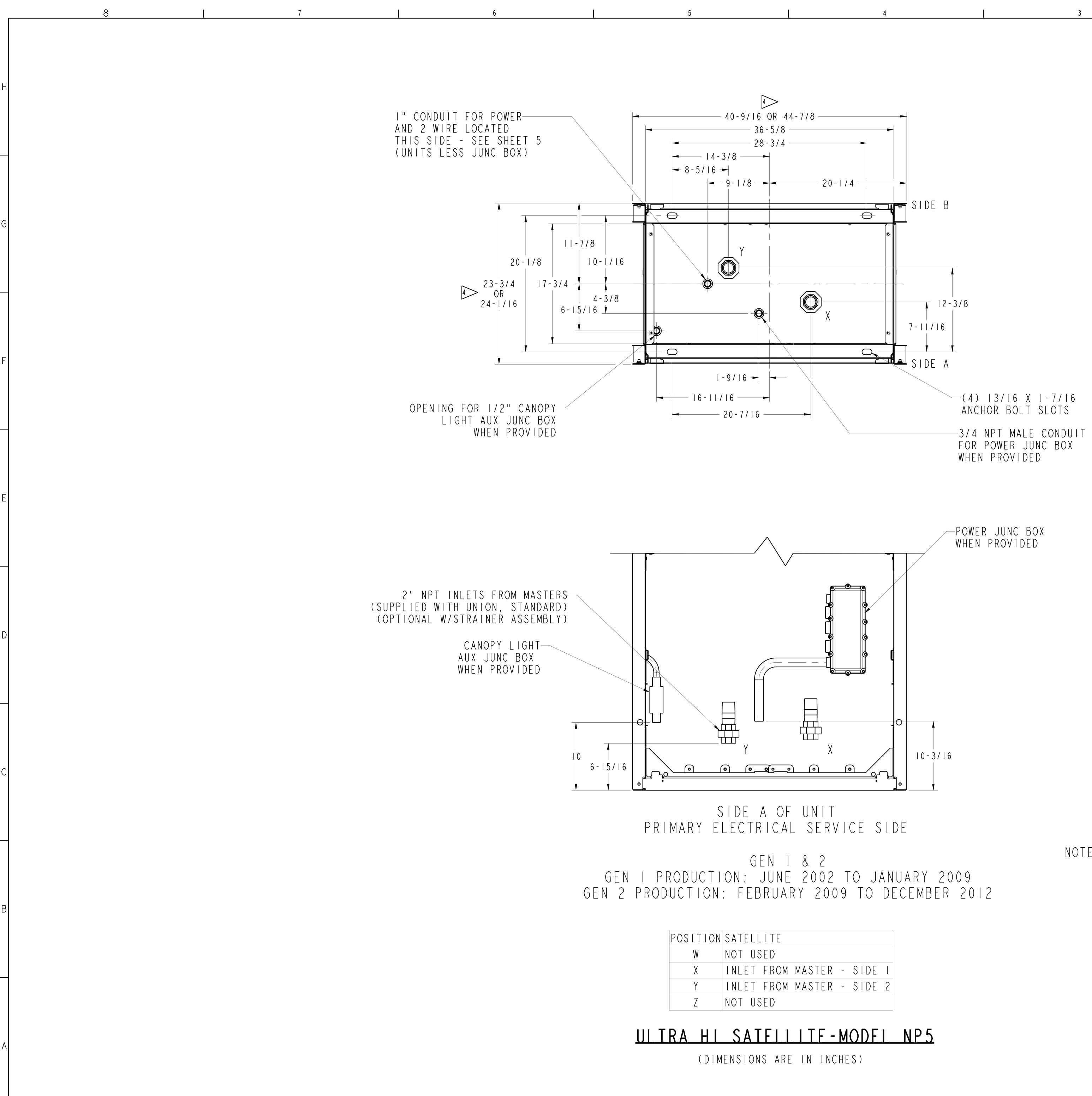


3

	SCALE DO NOT SCALE		SH NO. IG O	
	ECO 1017045	SYM NO.	M01432	rev AB
2				PRO/E



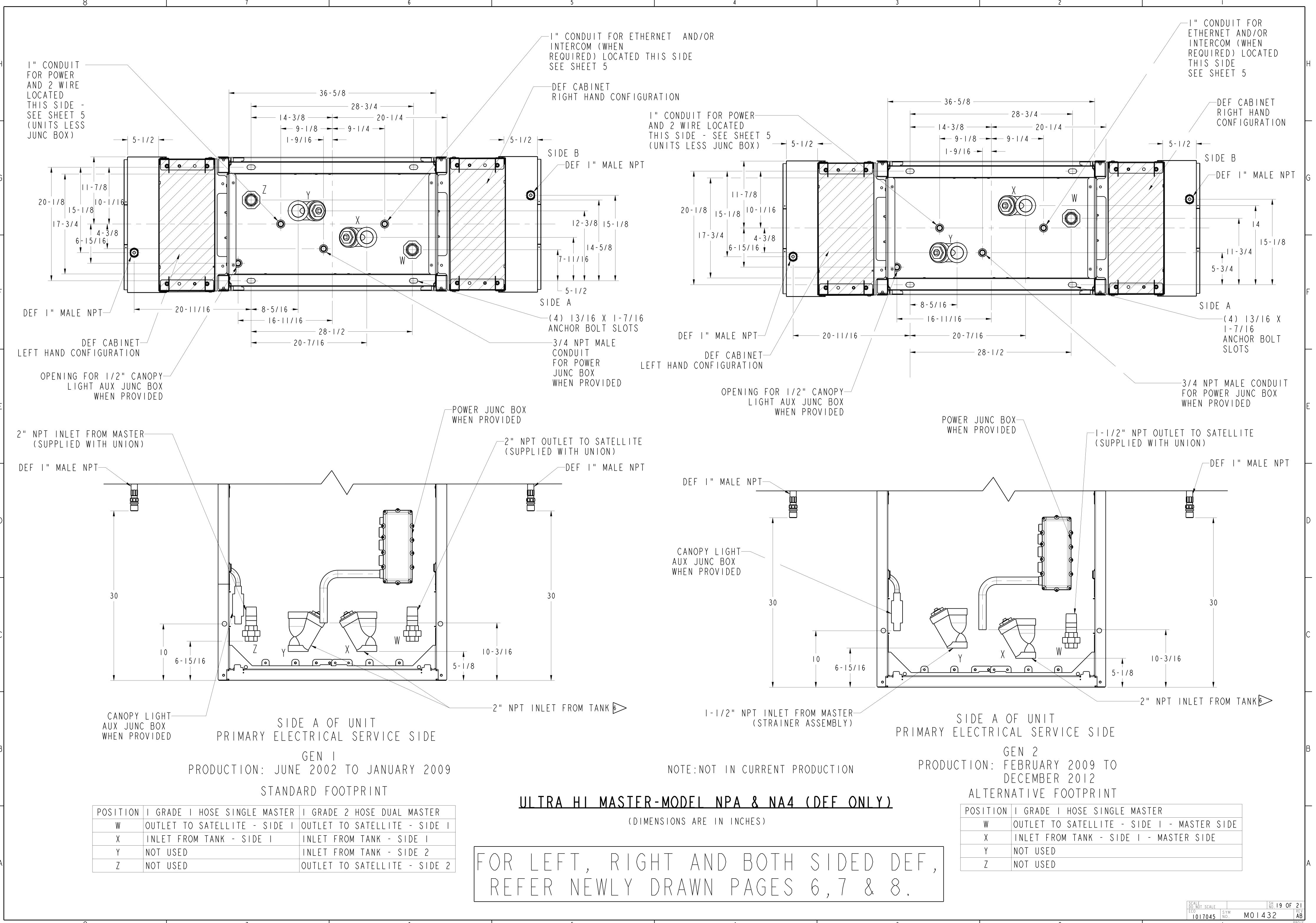
Г			
	POSITION	MASTER/SATELLITE COME	3
	W	OUTLET TO SATELLITE -	-
-	Х	INLET FROM TANK - SI)
-	Y	INLET FROM MASTER - S	3
	Z	NOT USED	



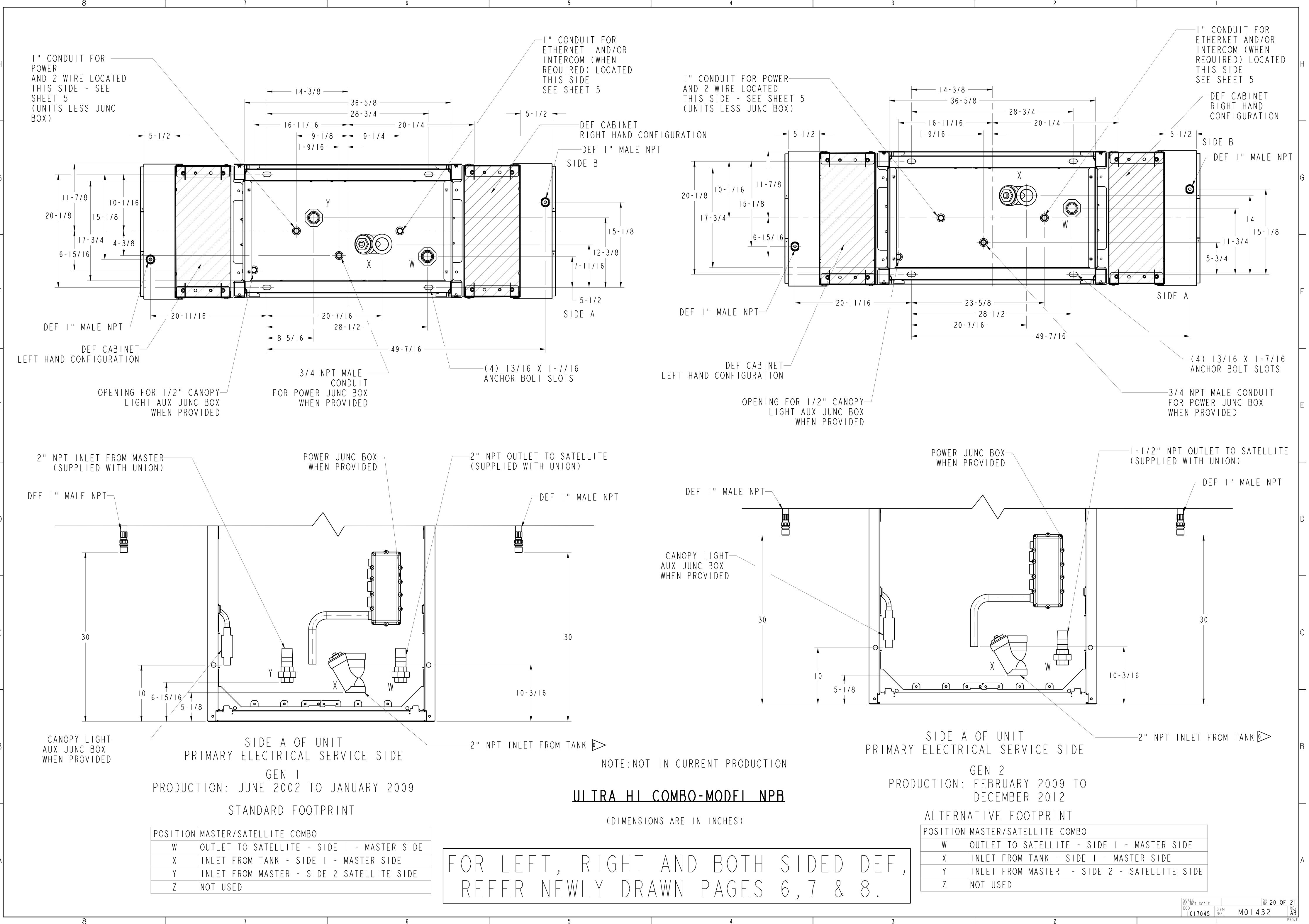
NOTE: NOT IN CURRENT PRODUCTIO

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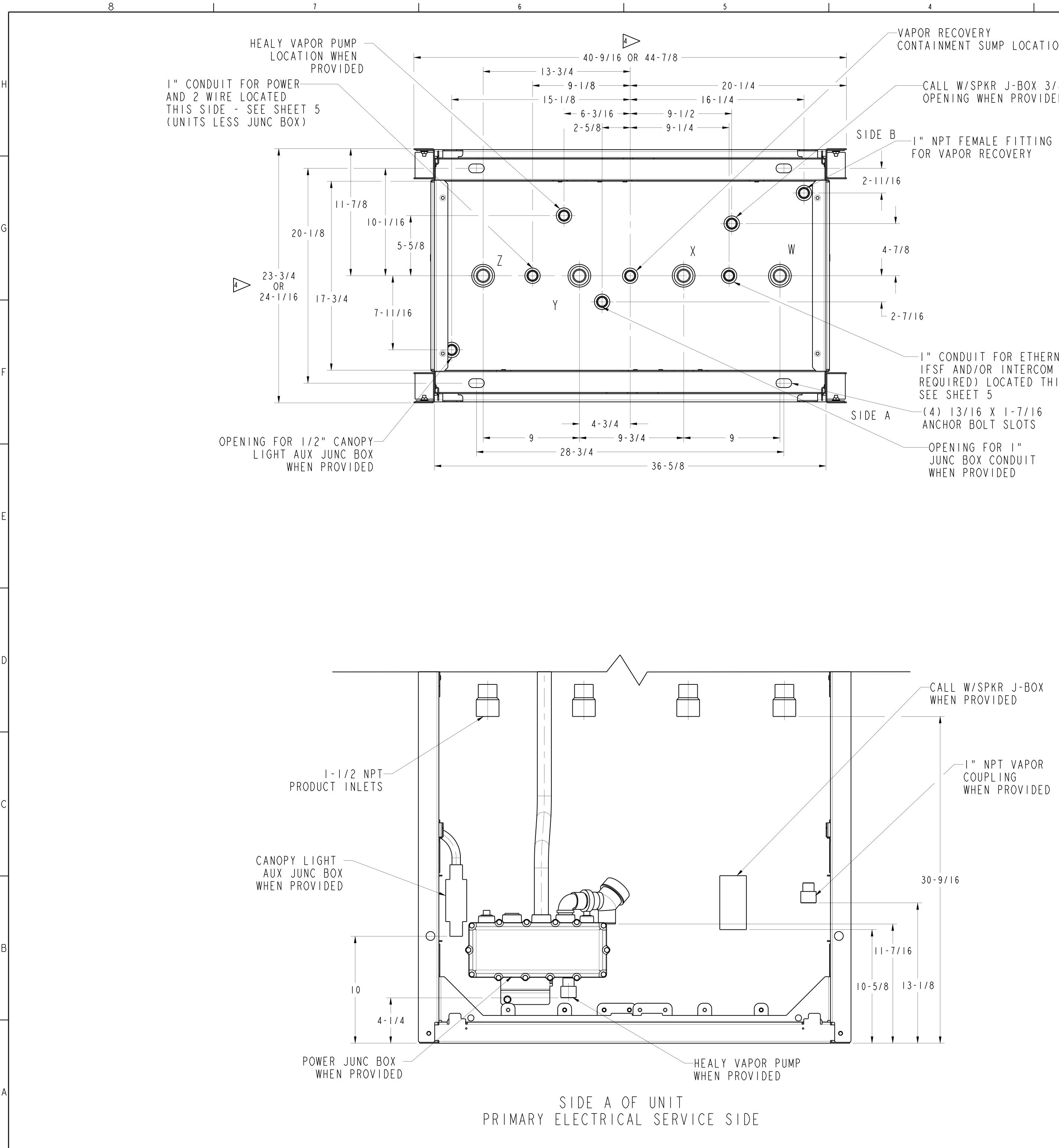
	SCALE DO NOT SCALE		SH I8 OF 21
	ECO I0I7045	^{SYM} M0143	
2			PRO/E







6-15/16-			
I" MALE NPT-	20-11/16	23-57	8-1/2
DEF CABINET AND CONFIGURATION			
	I/2" CANOPY JX JUNC BOX EN PROVIDED		
		POWER JUNC WHEN PROV	
FI" MALE NPT			
LIGHT IC BOX OVIDED			
30			
<u> </u>			
RENT PRODUCTION	PRIMA	SIDE A OF RY ELECTRICA	L SERVICE
-MODEL NPB	PF	RODUCTION: FE	N 2 BRUARY 20 CEMBER 20
N INCHES)		POSITION MAS	VE FOOTPR TER/SATELLITE
BOTH SI PAGES 6,		, X INL Y INL	ET FROM TANK ET FROM MASTE USED
4	3		



\boldsymbol{c}	E	
h		
\mathbf{v}	J	

4		
	MP LOCATION	
	R J-BOX 3/4" EN PROVIDED	CONDUI
B I"NPT FEMAL FOR VAPOR RE		
16		
-7/8		
2 - 7 / 1 6		
IFSF AND/OR	FOR ETHERNET INTERCOM (W OCATED THIS	HEN

▲ 7 /	1	6			
	I	3-	/	8	
			ſ		

INLETS	MODEL#	DISPENSER MODELS	
W	N A O	I GRADE 2 HOSE MPD	
W & X	NAI NG4 NNI/NN2/NN3 NJ0	2 GRADE 4 HOSE MPD 2 GRADE SINGLE HOSE MPD X+0 SELECTABLE BLENDER 3 GR MULTI HOSE BLENDER	
W,X & Y	NA2 NG0 NL0/NLI/NL2 NJ2	3 GRADE 6 HOSE MPD 3 GRADE SINGLE HOSE MPD X+I SELECTABLE BLENDER 3+I MULTI HOSE BLENDER	2
W, X, Y & Z	NA3 NGI	4 GRADE 8 HOSE MPD 3+1 SINGLE HOSE MPD	

DISPENSERS WITH ECOMETER

	(DIMENSIONS ARE	
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	SCALE DO NOT SCALE	SH NO. 2 I	OF 21
		NO. MOI432	REV AB
2			PRO/E

IN INCHES)