

Your Company Name
 Your Company Address 1
 Your Company Address 2
 Your City State Zip
 Your Phone #

JOB INFORMATION

Job Name : MEPCad Customer : 1		Customer ID :
P.O. :	Number of Heads :	
Job Number : 1	Area : FAB - HLF comparison	Listed By : Joe Reghetti
Contract No. : tree with List Number : 4861	Stocklist Date : 08/01/18	

SHIPPING INFORMATION

Ship To :	1	Ship Date:
Ship Via :		

SPECIAL INSTRUCTIONS

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Date Entered - 8/1/2018
 Fabrication Date - 12:00:00 A
 Color Code - NONE
 Number of Main Pieces - 16
 Number of Outlets - 22
 Number of Line Pieces - 223

Fabricator Info:

Fabricator:	Contact
Fabricator Address:	Phone
	FAX
	Email
	Web-site

Contract Information

Contractor: MEPCad Fire Protection 181 N. Arroyo Grande Blvd. Henderson, NV 89074	Contact: Joe Reghetti : Owner Phone: 702-380-3200 FAX: Email: support@mepcad.com Web-site:
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Design Engineer: Joe Reghetti
 Phone: 702-380-3200
 FAX:

Job Information

Job Number: 1	List Area: 3.5 test export
Job Name: MEPCad	Last Listed: 8/1/2018
Customer:	:
Customer Name:	Number of Heads: 200
Applications: 899	Total Weight: 5004 ³ / ₄ lb
Welded Outlets: 22	Nipple Qty: 1
GroovedMains: 16	Threaded Pipes: 222
Grooved Lines: 21	Hangers: 86
Welded MOs: 0	

Shipping Information

Ship To:	POJ:
181 N. Arroyo Grande Blvd. Henderson, NV 89074	
Ship Via:	

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Material Pick Report: Threaded Fittings
Hanger Pick Station Fabrication Report
Threaded Branchline Report
Cut Pipe, Threaded
Welded Mains
Cut Pipe, Welded

JOB NUMBER : 1 CONTRACT NO : tree with
 JOB NAME : MEPcad
 LOCATION : 1
 SPEC. INST. : /

LIST NO : 4861 DATE : 08/01/18
 BY : Joe Reghetti
 AREA : FAB - HLF comparison

LOOSE	FAB'D	TOTAL	DESCRIPTION	PART NO.
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PIPE

0	840	840 FT	1 X 21 DOM BLK SCH 40 A135	DA4021PB-0100
0	420	420 FT	1 1/4 X 21 DOM BLK SCH 40 A135	DA4021PB-0125
0	630	630 FT	1 1/2 X 21 DOM BLK SCH 40 A135	DA4021PB-0150
0	42	42 FT	2 X 21 DOM BLK SCH 40 A135	DA4021PB-0200
0	21	21 FT	4 X 21 DOM BLK SCH 40 A135	DA4021PB-0400

FITTINGS - DUCTILE IRON

0	1	1 EA	1 X 1/2 DI RED ELL	112DIRL
0	1	1 EA	1 X 1 X 1/2 DI TEE	1112DIRT
0	1	1 EA	1 1/4 X 1 X 1/2 DI TEE	114112DIRT

FITTINGS - CAST IRON

0	1	1 EA	2 CI 90 ELL	2CIL
0	36	36 EA	1 X 1/2 CI 90 RED ELL	112CIRL
0	1	1 EA	2 CI 45 ELL	2CI45L
0	37	37 EA	1 X 1 X 1/2 CI RED TEE	1112CIRT
0	37	37 EA	1 1/4 X 1 X 1/2 CI RED TEE	114112CIRT
0	40	40 EA	1 1/2 X 1 1/4 X 1/2 CI RED TEE	11211412CIRT
0	40	40 EA	1 1/2 X 1 1/2 X 1/2 CI RED TEE	11211212CIRT
0	20	20 EA	1 1/2 X 1 1/2 X 2 BH TEE	1121122CIRT

FITTINGS - MAL GALV

0	1	1 EA	1 X 1/2 MI GAL RED ELL 90	112MIRLG
0	1	1 EA	1 X 1 X 1/2 MI GAL RED TEE	1112MIRTG
0	1	1 EA	1 1/4 X 1 X 1/2 MI RED TEE GALV	114112MIRTG

FITTINGS - MAL BLACK

0	1	1 EA	1 X 1/2 MI BLK RED ELL	112MIRL
0	1	1 EA	1 X 1 X 1/2 MI BLK RED TEE	1112MIRT
0	1	1 EA	1 1/4 X 1 X 1/2 MI.TEE	114112MIRT

Material Pick Report: Threaded Fittings				Current Date
1 - MEPcad				Date Required
3.5 test export				POJ
Quantity	Size	Description, Finish	Part Number	Manufacturer
Made On:				
1	2	Threaded 90° Elbow	1002F120	API
1	2	Threaded 45° Elbow		API
37	1 x 1 x 1/2	Threaded Reducing Tee	1002F3R10100	API
37	1 1/4 x 1 x 1/2	Threaded Reducing Tee		API
40	1 1/2 x 1 1/4 x 1/2	Threaded Reducing Tee		API
40	1 1/2 x 1 1/2 x 1/2	Threaded Reducing Tee		API
20	1 1/2 x 1 1/2 x 2	Threaded Reducing Tee		API
36	1 x 1/2	Threaded 90° Reducing Elbow	1002F1R1005	API
1	2	Valve, T-T Angle		API
1	1 x 1/2	Threaded 90° Reducing Elbow, DI	1002D1R1005	API
1	1 x 1 x 1/2	Threaded Reducing Tee, DI	1002D5R10100	API
1	1 1/4 x 1 x 1/2	Threaded Reducing Tee, DI	1002DR312100	API
1	1 x 1/2	Threaded 90° Reducing Elbow, MI	117B1R1005	API
1	1 x 1 x 1/2	Threaded Reducing Tee, MI	117B3R10100	API
1	1 1/4 x 1 x 1/2	Threaded Reducing Tee, MI	117B3R12100	API
1	1 x 1/2	Threaded 90° Reducing Elbow, GMI	117G1R1005	API
1	1 x 1 x 1/2	Threaded Reducing Tee, GMI	117G3R10100	API
1	1 1/4 x 1 x 1/2	Threaded Reducing Tee, GMI		API
Loose:				
1	1 1/4 x 1 x 1/2	Threaded Reducing Tee		API
2	1 x 1/2	Threaded 90° Reducing Elbow	1002F1R1005	API
1	4 x 2 1/2 x 2 1/2	FDC, Exposed, Two-Way w/Double Clapper, Bar		API
1	2	Square Head Plug		API
1	1 x 1/2	Threaded 90° Reducing Elbow, DI	1002D1R1005	API
1	1 x 1 x 1/2	Threaded Reducing Tee, DI	1002D5R10100	API
1	1 1/4 x 1 x 1/2	Threaded Reducing Tee, DI	1002DR312100	API
1	1 x 1/2	Threaded 90° Reducing Elbow, MI	117B1R1005	API
1	1 x 1 x 1/2	Threaded Reducing Tee, MI	117B3R10100	API
1	1 1/4 x 1 x 1/2	Threaded Reducing Tee, MI	117B3R12100	API
1	1 x 1/2	Threaded 90° Reducing Elbow, GMI	117G1R1005	API
1	1 x 1 x 1/2	Threaded Reducing Tee, GMI	117G3R10100	API
1	1 1/4 x 1 x 1/2	Threaded Reducing Tee, GMI		API



JOB NUMBER : 1 CONTRACT NO : tree with
 JOB NAME : MEPcad
 LOCATION : 1
 SPEC. INST. : /

LIST NO : 4861 DATE : 08/01/18
 BY : Joe Reghetti
 AREA : FAB - HLF comparison

LOOSE	FAB'D	TOTAL	DESCRIPTION	PART NO.
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HANGERS

0	80	80 EA	1 HANGER RING	1150100EG
0	22	22 EA	1 1/4 HANGER RING	1150125EG
0	43	43 EA	1 1/2 HANGER RING	1150150EG
0	9	9 EA	2 1/2 HANGER RING	1150250EG
0	4	4 EA	3 HANGER RING	1150300EG
0	158	158 EA	3/8 UL TOP BEAM CLAMP	SBC037

ROD

0	13	13 EA	3/8 X 10" ALL THREAD STUD	3810ATSZ
0	145	145 EA	3/8 X 11" ALL THREAD STUD	3811ATSZ

HANGER ASSEMBLY

0	316	316 EA	HANGER ASSEMBLY	9700000000
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Hanger Pick Station Fabrication Report				Current Date
1 - MEPcad				Date Required
3.5 test export				POJ
Hanger Material				
Quantity	Size	Description	PO/PICKED/SHORT	Part Number
140'-5	3/8	All Thread Rod, Black	___/___/___	
78	3/8	Hex Nut	___/___/___	
158	3/8	Model 300 Michigan Top Beam C-Clamp	___/___/___	
80	1	Swivel Ring	___/___/___	
22	1 1/4	Swivel Ring	___/___/___	
43	1 1/2	Swivel Ring	___/___/___	
9	2 1/2	Swivel Ring	___/___/___	
4	3	Swivel Ring	___/___/___	
78	3/8	Washer, Std	___/___/___	

JOB NUMBER : 1 CONTRACT NO : tree with
 JOB NAME : MEPcad
 LOCATION : 1
 SPEC. INST. : /

LIST NO : 4861 DATE : 08/01/18
 BY : Joe Reghetti
 AREA : FAB - HLF comparison

QTY. /LN	PIPE DIA	CUT LENGTH	END CODE	MARK PIPE	FITTING SIZES AND DESCRIPTION
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BRANCH LINE MS1 DOM BLK 40 A-135 COLOR: NONE

1	4"	1'-4 1/2"	TG		4 NO FITTING
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BRANCH LINE BL1 DOM BLK 40 A-135 COLOR: NONE

1	2"	1'-8 1/2"	TT		1 1/2 x 1 1/2 x 2 (3) CI SCRIBULL HEAD
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BRANCH LINE BL2 DOM BLK 40 A-135 COLOR: NONE

1	2"	1'-8 1/2"	TT		1 1/2 x 1 1/2 x 2 (3) CI SCRIBULL HEAD
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BRANCH LINE BL4 DOM BLK 40 A-135 COLOR: NONE

16	2"	1'-8 1/2"	TT		1 1/2 x 1 1/2 x 2 (3) CI SCRIBULL HEAD
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BRANCH LINE BL5 DOM BLK 40 A-135 COLOR: NONE

1	2"	1'-8 1/2"	TT		1 1/2 x 1 1/2 x 2 (3) CI SCRIBULL HEAD
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BRANCH LINE BL7 DOM BLK 40 A-135 COLOR: NONE

1	2"	1'-8 1/2"	TT		1 1/2 x 1 1/2 x 2 (3) CI SCRIBULL HEAD
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BRANCH LINE MS2 DOM BLK 40 A-135 COLOR: NONE

1	2"	2'-6"	TT		2 CI SCR90 ELL
1	2"	1'-8 1/2"	TT		2 CI SCR45 ELL

BRANCH LINE BL1 DOM BLK 40 A-135 COLOR: NONE

1	1 1/2"	9'-10 1/2"	TT		1 1/2 x 1 1/4 x 1/2 CI SCRRED. TEE
1	1 1/2"	4'-9 1/2"	TT		1 1/2 x 1 1/2 x 1/2 CI SCRRED. TEE

Threaded Branchline Report

Current Date
12/12/2018

1 - MEPcad

Date Required

3.5 test export

POJ

Quantity	Description	Length	End Prep	Fitting	Piece
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Branch Lines

Line: BL1

1	2-Pipe, Schedule 40	1'-8 1/2"	T-T	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	01
1	1 1/2-Pipe, Schedule 40	4'-9 1/2"	T-T	1 1/2 x 1 1/2 x 1/2 Thrd Red T	02
1	1 1/2-Pipe, Schedule 40	9'-10 1/2"	T-T	1 1/2 x 1 1/4 x 1/2 Thrd Red T	03
1	1 1/4-Pipe, Schedule 40	9'-10 1/2"	T-T	1 1/4 x 1 x 1/2 Thrd Red T, Gal Mal	04
1	1-Pipe, Schedule 40	9'-10 1/2"	T-T	1 x 1 x 1/2 Thrd Red T, Gal Mal	05
1	1-Pipe, Schedule 40	9'-11"	T-T	1 x 1/2 Thrd Red 90, Gal Mal	06

Line: BL2

1	2-Pipe, Schedule 40	1'-8 1/2"	T-T	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	01
1	1 1/2-Pipe, Schedule 40	4'-9 1/2"	T-T	1 1/2 x 1 1/2 x 1/2 Thrd Red T	02
1	1 1/2-Pipe, Schedule 40	9'-10 1/2"	T-T	1 1/2 x 1 1/4 x 1/2 Thrd Red T	03
1	1 1/4-Pipe, Schedule 40	9'-10 1/2"	T-T	1 1/4 x 1 x 1/2 Thrd Red T	04
1	1-Pipe, Schedule 40	9'-10 1/2"	T-T	1 x 1 x 1/2 Thrd Red T	05

Line: BL3

20	1 1/2-Pipe, Schedule 40	4'-9 1/2"	T-T	1 1/2 x 1 1/2 x 1/2 Thrd Red T	01
20	1 1/2-Pipe, Schedule 40	9'-10 1/2"	T-T	1 1/2 x 1 1/4 x 1/2 Thrd Red T	02
20	1 1/4-Pipe, Schedule 40	9'-10 1/2"	T-T	1 1/4 x 1 x 1/2 Thrd Red T	03
20	1-Pipe, Schedule 40	9'-10 1/2"	T-T	1 x 1 x 1/2 Thrd Red T	04
20	1-Pipe, Schedule 40	9'-11"	T-T	1 x 1/2 Thrd Red 90	05

Line: BL4

16	2-Pipe, Schedule 40	1'-8 1/2"	T-T	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	01
16	1 1/2-Pipe, Schedule 40	4'-9 1/2"	T-T	1 1/2 x 1 1/2 x 1/2 Thrd Red T	02
16	1 1/2-Pipe, Schedule 40	9'-10 1/2"	T-T	1 1/2 x 1 1/4 x 1/2 Thrd Red T	03
16	1 1/4-Pipe, Schedule 40	9'-10 1/2"	T-T	1 1/4 x 1 x 1/2 Thrd Red T	04
16	1-Pipe, Schedule 40	9'-10 1/2"	T-T	1 x 1 x 1/2 Thrd Red T	05
16	1-Pipe, Schedule 40	9'-11"	T-T	1 x 1/2 Thrd Red 90	06

Line: BL5

1	2-Pipe, Schedule 40	1'-8 1/2"	T-T	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	01
1	1 1/2-Pipe, Schedule 40	4'-9 1/2"	T-T	1 1/2 x 1 1/2 x 1/2 Thrd Red T	02
1	1 1/2-Pipe, Schedule 40	9'-10 1/2"	T-T	1 1/2 x 1 1/4 x 1/2 Thrd Red T	03
1	1 1/4-Pipe, Schedule 40	9'-10 1/2"	T-T	1 1/4 x 1 x 1/2 Thrd Red T, MI	04
1	1-Pipe, Schedule 40	9'-10 1/2"	T-T	1 x 1 x 1/2 Thrd Red T, MI	05
1	1-Pipe, Schedule 40	9'-11"	T-T	1 x 1/2 Thrd Red 90, MI	06

Line: BL7

1	2-Pipe, Schedule 40	1'-8 1/2"	T-T	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	01
1	1 1/2-Pipe, Schedule 40	4'-9 1/2"	T-T	1 1/2 x 1 1/2 x 1/2 Thrd Red T	02
1	1 1/2-Pipe, Schedule 40	9'-10 1/2"	T-T	1 1/2 x 1 1/4 x 1/2 Thrd Red T	03
1	1 1/4-Pipe, Schedule 40	9'-11"	T-T	1 1/4 x 1 x 1/2 Thrd Red T, DI	04
1	1-Pipe, Schedule 40	9'-11"	T-T	1 x 1 x 1/2 Thrd Red T, DI	05
1	1-Pipe, Schedule 40	9'-10 1/2"	T-T	1 x 1/2 Thrd Red 90, DI	06

Miscellaneous

Line: MS1

1	4-Pipe, Schedule 40	1'-4 1/2"	T-G	No Fitting	01
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Line: MS2

1	2 x 10-Nipple, Schedule 40	0'-10"	T-T	2 Valve, T-T Angle	01
1	2-Pipe, Schedule 40	2'-6"	T-T	2 Thrd 90	02
1	2-Pipe, Schedule 40	1'-8 1/2"	T-T	2 Thrd 45	03

JOB NUMBER : 1 CONTRACT NO : tree with LIST NO : 4861 DATE : 08/01/18
 JOB NAME : MEPCad BY : Joe Reghetti
 LOCATION : 1 AREA : FAB - HLF comparison
 SPEC. INST. : /

QTY	BL NO.	PIPE LENGTH	END CODE	FITTING SIZES AND DESCRPTIONS
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4" DOM BLK 40 A-135

1 @ 21.00 FT > 1'-4 1/2"
 : MS1 1'-4 1/2" TG 4 NO FITTING

2" DOM BLK 40 A-135

1 @ 21.00 FT > 2'-6" 4'-2 1/2" 5'-11" 7'-7 1/2" 9'-4"
 : MS2 2'-6" TT 2 CI SCR90 ELL
 : BL1 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL2 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD

1 @ 21.00 FT > 1'-8 1/2" 3'-5" 5'-1 1/2" 6'-10" 8'-6 1/2"
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL4 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL5 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : BL7 1'-8 1/2" TT 1 1/2 x 1 1/2 x 2 (3) CI SCR BULL HEAD
 : MS2 1'-8 1/2" TT 2 CI SCR45 ELL

1 1/2" DOM BLK 40 A-135

1 @ 21.00 FT > 9'-10 1/2" 19'-9"
 : BL1 9'-10 1/2" TT 1 1/2 x 1 1/4 x 1/2 CI SCRRED. TEE
 : BL2 9'-10 1/2" TT 1 1/2 x 1 1/4 x 1/2 CI SCRRED. TEE

10 @ 21.00 FT > 9'-10 1/2" 19'-9"
 : BL3 9'-10 1/2" TT 1 1/2 x 1 1/4 x 1/2 CI SCRRED. TEE
 : BL3 9'-10 1/2" TT 1 1/2 x 1 1/4 x 1/2 CI SCRRED. TEE

8 @ 21.00 FT > 9'-10 1/2" 19'-9"
 : BL4 9'-10 1/2" TT 1 1/2 x 1 1/4 x 1/2 CI SCRRED. TEE
 : BL4 9'-10 1/2" TT 1 1/2 x 1 1/4 x 1/2 CI SCRRED. TEE

> 9'-10 1/2" 19'-9"

Cut Pipe Report - Threaded							Current Date
1 - MEPCad							12/12/2018
3.5 test export							Date Required
							POJ
Piece	Length	Run.Dist.	Scrap	End Prep	Fitting	No Welds	
2 - Pipe, Schedule 40							
1 @ 21'-0 :	BL1--01	1'-8 1/2	1'-8 1/2		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL2--01	1'-8 1/2	3'-5		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL4--01	1'-8 1/2	5'-1 1/2		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL4--01	1'-8 1/2	6'-10		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL4--01	1'-8 1/2	8'-6 1/2		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL4--01	1'-8 1/2	10'-3		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL4--01	1'-8 1/2	11'-11 1/2		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL4--01	1'-8 1/2	13'-8		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL4--01	1'-8 1/2	15'-4 1/2		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL4--01	1'-8 1/2	17'-1		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL4--01	1'-8 1/2	18'-9 1/2		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL4--01	1'-8 1/2	20'-6	0'-6	TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
1 @ 21'-0 :	MS2--02	2'-6	2'-6		TxT	2 Thrd 90	NW
	BL4--01	1'-8 1/2	4'-2 1/2		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL4--01	1'-8 1/2	5'-11		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL4--01	1'-8 1/2	7'-7 1/2		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL4--01	1'-8 1/2	9'-4		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL4--01	1'-8 1/2	11'-0 1/2		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL4--01	1'-8 1/2	12'-9		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL5--01	1'-8 1/2	14'-5 1/2		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	BL7--01	1'-8 1/2	16'-2		TxT	1 1/2 x 1 1/2 x 2 Thrd Red T(Bull Head)	NW
	MS2--03	1'-8 1/2	17'-10 1/2	3'-1 1/2	TxT	2 Thrd 45	NW

JOB NUMBER : 1 CONTRACT NO : tree with
 JOB NAME : MEPcad
 LOCATION : 1
 SPEC. INST. : /

LIST NO : 4861 DATE : 08/01/18
 BY : Joe Reghetti
 AREA : FAB - HLF comparison

MAIN I.D.	QUAN.	PIPE DESCRIPTION	LENGTH	EP	COLOR
CM1.3	1	2 1/2 DOM BLK SCH 7-25	21'-4 1/2"	GG	NONE

ARROW: DOWN

HydraSCAN-V



G	----	0'-0"	(4-8 1/2)
:			
X	----	4'-8 1/2"	2 1/2 x 2 WELD P.O.L. @ UP
:			(10-0)
X	----	14'-8 1/2"	2 1/2 x 2 WELD P.O.L. @ UP
:			(6-8)
G	----	21'-4 1/2"	

TOTAL NUMBER OF WELDS: 2

MAIN I.D.	QUAN.	PIPE DESCRIPTION	LENGTH	EP	COLOR
CM1.4	1	2 1/2 DOM BLK SCH 7-25	24'-0"	GG	NONE

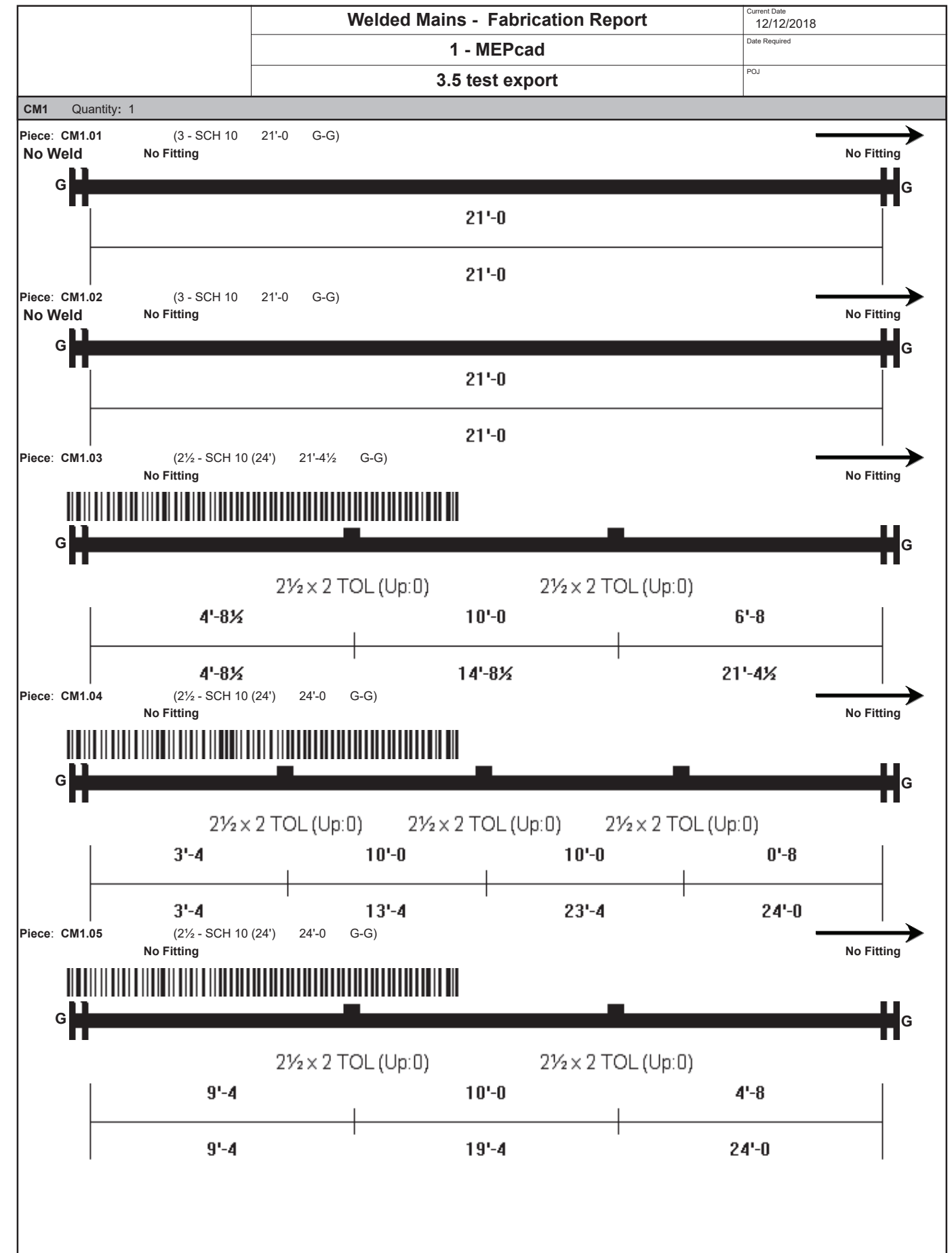
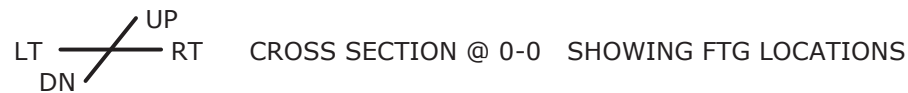
ARROW: DOWN

HydraSCAN-V



G	----	0'-0"	(3-4)
:			
X	----	3'-4"	2 1/2 x 2 WELD P.O.L. @ UP
:			(10-0)
X	----	13'-4"	2 1/2 x 2 WELD P.O.L. @ UP
:			(10-0)
X	----	23'-4"	2 1/2 x 2 WELD P.O.L. @ UP
:			(0-8)
G	----	24'-0"	

TOTAL NUMBER OF WELDS: 3



JOB NUMBER : 1 CONTRACT NO : tree with
 JOB NAME : MEPcad
 LOCATION : 1
 SPEC. INST. : /

LIST NO : 4861 DATE : 08/01/18
 BY : Joe Reghetti
 AREA : FAB - HLF comparison

4 DOM BLK 40 A-135

1 @ 21.00 FT :	FR1.4	7'-11 1/2"	GG		016
	FR1.1	2'-10"	GG	*	013
	FR1.2	1'-5 1/2"	GG	*	014
	FR1.3	0'-6"	GG	*	015
		(8'-3")			

2 1/2 DOM BLK 40 A-135

1 @ 21.00 FT :	CM1.10	1'-4 1/2"	GG	*	010
		(19'-7 1/2")			

Cut Pipe Report - Welded							Current Date
1 - MEPcad							Date Required
3.5 test export							POJ
Piece	Length	Run.Dist.	Scrap	End Prep	Fitting	No Welds	
4 - Pipe, Schedule 40							
1 @ 21'-0 :	FR1--04	7'-11½	7'-11½		GxG		
	FR1--01	2'-10	10'-9½		GxG	NW	
	FR1--02	1'-5½	12'-3		GxG	NW	
	FR1--03	0'-6	12'-9	8'-3	GxG	NW	