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FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES																						
							VISUAL INSPECTION Q.C. INSP. DATE	CUST. MATL. _____																								
BILL OF MATERIAL																																
HEAT No.						PIPE																										
<table border="0"><tr><td>MK</td><td>QTY</td><td>SIZE</td><td>SCHEDULE</td><td>DESCRIPTION</td><td>MATERIAL</td></tr><tr><td>1</td><td>2'-10"</td><td>6"</td><td>STD</td><td>PIPE ERW-BBE</td><td>A53 GR B</td></tr><tr><td>2</td><td>8'-4"</td><td>6"</td><td>STD</td><td>PIPE ERW-BBE</td><td>A53 GR B</td></tr><tr><td>TOT</td><td>11'-2"</td><td>6"</td><td colspan="3"></td></tr></table>						MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL	1	2'-10"	6"	STD	PIPE ERW-BBE	A53 GR B	2	8'-4"	6"	STD	PIPE ERW-BBE	A53 GR B	TOT	11'-2"	6"						
MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL																											
1	2'-10"	6"	STD	PIPE ERW-BBE	A53 GR B																											
2	8'-4"	6"	STD	PIPE ERW-BBE	A53 GR B																											
TOT	11'-2"	6"																														
WELD FITTINGS																																
<table border="0"><tr><td>MK</td><td>QTY</td><td>SIZE</td><td>SCHEDULE</td><td>DESCRIPTION</td><td>MATERIAL</td></tr><tr><td>3</td><td>1</td><td>6"</td><td>STD</td><td>90 LR ELL BW</td><td>A234 GR WPB</td></tr></table>									MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL	3	1	6"	STD	90 LR ELL BW	A234 GR WPB												
MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL																											
3	1	6"	STD	90 LR ELL BW	A234 GR WPB																											
									TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING																							
DIXIE MECHANICAL INC TUSCALOOSA, ALABAMA (205) 248-8888																																
BAR CODE																																
NOTE(S): 1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING. 2) WELDER I.D. TO BE RECORDED. 3) MARK FLOW ARROW ON SPOOL.																																
11004 RT: - PREHEAT: 50°F MIN. FAB. CODE: B31.1 DATE ISSUED: AREA.: DUE DATE: — PT: REQUIRED: PIPE SPEC:- PRIORITY: - MT: INSPECTION: 100% VISUAL PWHT: REF. DWG.: 4521—PLN—PRT—39—52—0008 R/2 BHN: PAINT: NONE HYDRO: - PMI: COLOR CODE: -																																
<table border="0"><tr><td>DRAWN:</td><td>BA</td></tr><tr><td>DATE:</td><td>2/1/11</td></tr><tr><td>1st. CHK.:</td><td>TN</td></tr><tr><td>2nd. CHK.:</td><td></td></tr></table>									DRAWN:	BA	DATE:	2/1/11	1st. CHK.:	TN	2nd. CHK.:																	
DRAWN:	BA																															
DATE:	2/1/11																															
1st. CHK.:	TN																															
2nd. CHK.:																																
<table border="0"><tr><td>NO.</td><td>REVISIONS</td><td>BY</td><td>CHK</td><td>DATE</td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>									NO.	REVISIONS	BY	CHK	DATE																			
NO.	REVISIONS	BY	CHK	DATE																												

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FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION		CUST. MATL. _____			
											Q.C. INSP.	DATE				
											HEAT No.		BILL OF MATERIAL			
													PIPE			
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											1	2'-10"	6"	STD	PIPE ERW-BBE	A53 GR B
											2	8'-4"	6"	STD	PIPE ERW-BBE	A53 GR B
											TOT	11'-2"	6"			
													WELD FITTINGS			
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											3	1	6"	STD	90 LR ELL BW	A234 GR WPB
											TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING					
											CLIENT: SUNDT CONSTRUCTION, INC.		P.O. No.: 161125-05		SQ. FT.:	WEIGHT:
											PROJECT:				JOB No./SEQ. No.	
											PIECE MARK No.: 3-MT-252					
											REV. 0		110009		32-012	

3'-7"

1

9'-1"

2

3

BE

BE

NOTE(S):

1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING.

2) WELDER I.D. TO BE RECORDED.

3) MARK FLOW ARROW ON SPOOL.

11004

RT: -

PREHEAT: 50°F MIN.

FAB. CODE: B31.1

DATE ISSUED:

AREA.:

DUE DATE: -

PT:

REQUIRED:

PIPE SPEC: -

PRIORITY: -

MT:

INSPECTION: 100% VISUAL

PWHT:

BHN:

PAINT: NONE

HYDRO: -

REF. DWG.: 4521-PLN-PRT-39-52-0008 R/2

PMI:

COLOR CODE: -

DRAWN: BA

DATE: 2/1/11

1st. CHK.: TN

2nd. CHK.:

DIXIE MECHANICAL INC

TUSCALOOSA, ALABAMA

(205) 248-8888

BAR CODE

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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[illegible]

[illegible]

[illegible]

[illegible]

FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION Q.C. INSP. DATE	CUST. MATL. _____					
										HEAT No.	BILL OF MATERIAL						
											PIPE						
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL	
											1	2'-10"	6"	STD	PIPE ERW-BBE	A53 GR B	
											2	8'-4"	6"	STD	PIPE ERW-BBE	A53 GR B	
											TOT	11'-2"	6"				
											WELD FITTINGS						
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL	
											3	1	6"	STD	90 LR ELL BW	A234 GR WPB	
											TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING						
										NOTE(S): 1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING. 2) WELDER I.D. TO BE RECORDED. 3) MARK FLOW ARROW ON SPOOL.							
										11004							
										RT: - PREHEAT: 50°F MIN. FAB. CODE: B31.1 DATE ISSUED: AREA.: DUE DATE: -							
										PT: REQUIRED: PIPE SPEC:- PRIORITY: -							
										MT: INSPECTION: 100% VISUAL PWHT:							
										BHN: PAINT: NONE HYDRO: - REF. DWG.: 4521-PLN-PRT-39-52-0008 R/2							
										PMI: COLOR CODE: -							
										DRAWN: BA							
										DATE: 2/1/11							
										1st. CHK.: TN							
										2nd. CHK.:							
										NO. REVISIONS BY CHK DATE							
										DIXIE MECHANICAL INC TUSCALOOSA, ALABAMA (205) 248-8888							
										BAR CODE							
										CLIENT: SUNDT CONSTRUCTION, INC. P.O. No.: 161125-05 SQ. FT.: WEIGHT:							
										PROJECT:							
										PIECE MARK No.: 3-MT-252 REV. 0 110009 32-030							
										JOB No./SEQ. No.							

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FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION Q.C. INSP. DATE	CUST. MATL. _____				
										HEAT No.	BILL OF MATERIAL					
											PIPE					
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											1	2'-10"	6"	STD	PIPE ERW-BBE	A53 GR B
											2	8'-4"	6"	STD	PIPE ERW-BBE	A53 GR B
											TOT	11'-2"	6"			
											WELD FITTINGS					
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											3	1	6"	STD	90 LR ELL BW	A234 GR WPB
											TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING					
										NOTE(S): 1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING. 2) WELDER I.D. TO BE RECORDED. 3) MARK FLOW ARROW ON SPOOL.						
11004										DUE DATE: —						
RT: -		PREHEAT: 50°F MIN.		FAB. CODE: B31.1		DATE ISSUED:		AREA.:		BAR CODE						
PT:		REQUIRED:		PIPE SPEC:-				PRIORITY: -								
MT:		INSPECTION: 100% VISUAL		PWHT:		REF. DWG.: 4521-PLN-PRT-39-52-0008 R/2										
BHN:		PAINT: NONE		HYDRO: -												
PMI:		COLOR CODE: -				DIXIE MECHANICAL INC TUSCALOOSA, ALABAMA (205) 248-8888										
						DRAWN: BA DATE: 2/1/11 1st. CHK.: TN 2nd. CHK.:										
NO.		REVISIONS		BY		CHK		DATE		PIECE MARK No.: 3-MT-252 REV. 0 110009 32-033						

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FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION		CUST. MATL. _____			
											Q.C. INSP.	DATE				
											HEAT No.		BILL OF MATERIAL			
													PIPE			
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											1	2'-10"	6"	STD	PIPE ERW-BBE	A53 GR B
											2	8'-4"	6"	STD	PIPE ERW-BBE	A53 GR B
											TOT	11'-2"	6"			
													WELD FITTINGS			
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											3	1	6"	STD	90 LR ELL BW	A234 GR WPB
											TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING					
											CLIENT: SUNDT CONSTRUCTION, INC. P.O. No.: 161125-05 SQ. FT.: WEIGHT:					
											PROJECT: JOB No./SEQ. No.					
											PIECE MARK No.: 3-MT-252 REV. 0 110009 32-040					

NOTE(S):
1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING.
2) WELDER I.D. TO BE RECORDED.
3) MARK FLOW ARROW ON SPOOL.

11004

RT: -	PREHEAT: 50°F MIN.	FAB. CODE: B31.1	DATE ISSUED:	AREA.:	DUE DATE: -
PT:	REQUIRED:	PIPE SPEC: -		PRIORITY: -	
MT:	INSPECTION: 100% VISUAL	PWHT:			
BHN:	PAINT: NONE	HYDRO: -	REF. DWG.: 4521-PLN-PRT-39-52-0008 R/2		
PMI:	COLOR CODE: -				
			DIXIE MECHANICAL INC TUSCALOOSA, ALABAMA (205) 248-8888		
NO.	REVISIONS	BY	CHK	DATE	

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FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION	CUST. MATL. _____					
											Q.C. INSP.	DATE					
											BILL OF MATERIAL						
											PIPE						
											WELD FITTINGS						
											TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING						
											CLIENT: SUNDT CONSTRUCTION, INC.						
											P.O. No.: 161125-05						
											SQ. FT.: 110009						
											WEIGHT: 32-050						
											PROJECT:						
											JOB No./SEQ. No.						
											PIECE MARK No.:						
											3-MT-252						
											REV.						
											0						
											BAR CODE						

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FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION Q.C. INSP. DATE	CUST. MATL. _____					
												BILL OF MATERIAL					
										HEAT No.	PIPE						
											MK		QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											1		2'-10"	6"	STD	PIPE ERW-BBE	A53 GR B
											2		8'-4"	6"	STD	PIPE ERW-BBE	A53 GR B
											TOT		11'-2"	6"			
										WELD FITTINGS							
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL	
											3	1	6"	STD	90 LR ELL BW	A234 GR WPB	
											TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING						
										DIXIE MECHANICAL INC TUSCALOOSA, ALABAMA (205) 248-8888							
										BAR CODE							
										CLIENT: SUNDT CONSTRUCTION, INC. P.O. No.: 161125-05 PROJECT:							
										PIECE MARK No.: 3-MT-252 REV. 0							
										SQ. FT.: JOB No./SEQ. No. 110009 32-062							
										WEIGHT: 							

NOTE(S):

- 1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING.
- 2) WELDER I.D. TO BE RECORDED.
- 3) MARK FLOW ARROW ON SPOOL.

RT: -

PT:

MT:

BHN:

PMI:

PREHEAT: 50°F MIN.

REQUIRED:

INSPECTION: 100% VISUAL

PAINT: NONE

COLOR CODE: -

FAB. CODE: B31.1

PIPE SPEC:-

PWHT:

HYDRO: -

DATE ISSUED:

AREA.:

DUE DATE: _

REF. DWG.: 4521-PLN-PRT-39-52-0008 R/2

DRAWN: BA

DATE: 2/1/11

1st. CHK.: TN

2nd. CHK.:

NO.

REVISIONS

BY

CHK

DATE

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FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION		CUST. MATL. _____					
											Q.C. INSP.	DATE						
44'-5 5/8" 2 1 BE SHOP WELD											HEAT No.		BILL OF MATERIAL					
											PIPE							
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL		
											1	43'-8 5/8"	6"	STD	PIPE ERW-BBE	A53 GR B		
											WELD FITTINGS							
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL		
											2	1	6"	STD	90 LR ELL BW	A234 GR WPB		
NOTE(S):											TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING							
1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING.																		
2) WELDER I.D. TO BE RECORDED.																		
3) MARK FLOW ARROW ON SPOOL.																		
11004																		
RT: -		PREHEAT: 50°F MIN.		FAB. CODE: B31.1		DATE ISSUED:		AREA:		DUE DATE: -								
PT:		REQUIRED:		PIPE SPEC: -				PRIORITY: -										
MT:		INSPECTION: 100% VISUAL		PWHT:														
BHN:		PAINT: NONE		HYDRO: -		REF.DWG: 4521-PLN-PRT-39-52-0005,0008 R/2												
PMI:		COLOR CODE: -																
						DRAWN: BA		DIXIE MECHANICAL INC TUSCALOOSA, ALABAMA (205) 248-8888		BAR CODE								
						DATE: 2/7/11												
						1st. CHK.: TN												
						2nd. CHK.:												
NO.	REVISIONS			BY	CHK	DATE												
CLIENT: SUNDT CONSTRUCTION, INC.											P.O. No.: 161125-05		SQ. FT.:		WEIGHT:			
PROJECT:													JOB No./SEQ. No.					
PIECE MARK No.: 3-MT-252-04											REV. 0		110009		32-073			

[illegible]

FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION Q.C. INSP. DATE	CUST. MATL. _____				
												BILL OF MATERIAL				
										HEAT No.	PIPE					
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											1	47'-4"	6"	STD	PIPE ERW-BBE	A53 GR B
											WELD FITTINGS					
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											2	1	6"	STD	90 LR ELL BW	A234 GR WPB
										TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING						
										CLIENT: SUNDT CONSTRUCTION, INC.						
										P.O. No.: 161125-05						
										SQ. FT.: WEIGHT:						
										PROJECT:						
										JOB No./SEQ. No.						
										PIECE MARK No.: 3-MT-252-05						
										REV. 0						
										110009 32-075						

FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION		CUST. MATL. _____							
2 51'-7 5/16" BE 1 SHOP WELD											Q.C. INSP.		DATE		BILL OF MATERIAL					
											HEAT No.		PIPE							
													MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL		
													1	50'-10 5/16"	6"	STD	PIPE ERW-BBE	A53 GR B		
													WELD FITTINGS							
													MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL		
													2	1	6"	STD	90 LR ELL BW	A234 GR WPB		
NOTE(S): 1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING. 2) WELDER I.D. TO BE RECORDED. 3) MARK FLOW ARROW ON SPOOL.													TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING							
11004													CLIENT: SUNDT CONSTRUCTION, INC. P.O. No.: 161125-05 SQ. FT.: WEIGHT: PROJECT: JOB No./SEQ. No. PIECE MARK No.: 3-MT-252-06 REV. 0 110009 32-076							
RT: -		PREHEAT: 50°F MIN.		FAB. CODE: B31.1		DATE ISSUED:		AREA:		DUE DATE: -										
PT:		REQUIRED:		PIPE SPEC: -				PRIORITY: -												
MT:		INSPECTION: 100% VISUAL		PWHT:																
BHN:		PAINT: NONE		HYDRO: -		REF.DWG: 4521-PLN-PRT-39-52-0005,0008 R/2														
PMI:		COLOR CODE: -																		
						DRAWN: BA		DIXIE MECHANICAL INC		TUSCALOOSA, ALABAMA										
						DATE: 2/7/11														
						1st. CHK.: TN														
						2nd. CHK.:														
NO.	REVISIONS			BY	CHK	DATE			(205) 248-8888		BAR CODE									

FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION Q.C. INSP. <td>DATE</td> <td>CUST. MATL. _____</td>	DATE	CUST. MATL. _____			
										HEAT No.	BILL OF MATERIAL					
											PIPE					
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											1	50'-10 5/16"	6"	STD	PIPE ERW-BBE	A53 GR B
											WELD FITTINGS					
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											2	1	6"	STD	90 LR ELL BW	A234 GR WPB
										TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING						
										CLIENT: SUNDT CONSTRUCTION, INC.						
										P.O. No.: 161125-05						
										SQ. FT.: WEIGHT:						
										PROJECT:						
										JOB No./SEQ. No.						
										PIECE MARK No.: 3-MT-252-06						
										REV. 0						
										110009 32-077						

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FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION Q.C. INSP. DATE		CUST. MATL. _____						
57'-2 3/8" 2 1 BE SHOP WELD											HEAT No.		BILL OF MATERIAL						
											PIPE								
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL			
											1	56'-5 3/8"	6"	STD	PIPE ERW-BBE	A53 GR B			
											WELD FITTINGS								
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL			
											2	1	6"	STD	90 LR ELL BW	A234 GR WPB			
TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING																			
NOTE(S): 1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING. 2) WELDER I.D. TO BE RECORDED. 3) MARK FLOW ARROW ON SPOOL.						DIXIE MECHANICAL INC TUSCALOOSA, ALABAMA (205) 248-8888													
11004																			
RT: -		PREHEAT: 50°F MIN.		FAB. CODE: B31.1								DATE ISSUED:		AREA:		DUE DATE: -			
PT:		REQUIRED:		PIPE SPEC:-										PRIORITY: -					
MT:		INSPECTION: 100% VISUAL		PWHT:															
BHN:		PAINT: NONE		HYDRO: -								REF.DWG: 4521-PLN-PRT-39-52-0005,0008 R/2							
PMI:		COLOR CODE: -																	
												DRAWN: BA							
												DATE: 2/7/11							
												1st. CHK.: TN							
						2nd. CHK.:													
NO.	REVISIONS			BY	CHK	DATE													
BAR CODE												CLIENT: SUNDT CONSTRUCTION, INC.		P.O. No.: 161125-05		SQ. FT.:		WEIGHT:	
												PROJECT:				JOB No./SEQ. No.			
												PIECE MARK No.: 3-MT-252-08		REV. 0		110009 32-080			

[illegible]

FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION Q.C. INSP. DATE	CUST. MATL. _____				
												BILL OF MATERIAL				
										HEAT No.	PIPE					
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											1	58'-7 3/4"	6"	STD	PIPE ERW-BBE	A53 GR B
											WELD FITTINGS					
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											2	1	6"	STD	90 LR ELL BW	A234 GR WPB
										TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING						
										DIXIE MECHANICAL INC TUSCALOOSA, ALABAMA (205) 248-8888						
										BAR CODE						
										PROJECT:						
										PIECE MARK No.: 3-MT-252-09						
										REV. 0						
										JOB No./SEQ. No. 110009 32-082						

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION Q.C. INSP. DATE		CUST. MATL. _____						
2 1 64'-0 3/4" BE SHOP WELD											HEAT No.		BILL OF MATERIAL						
											PIPE								
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL			
											1	63'-3 3/4"	6"	STD	PIPE ERW-BBE	A53 GR B			
											WELD FITTINGS								
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL			
											2	1	6"	STD	90 LR ELL BW	A234 GR WPB			
TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING																			
NOTE(S): 1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING. 2) WELDER I.D. TO BE RECORDED. 3) MARK FLOW ARROW ON SPOOL.						DIXIE MECHANICAL INC TUSCALOOSA, ALABAMA (205) 248-8888													
11004																			
RT: -		PREHEAT: 50°F MIN.		FAB. CODE: B31.1								DATE ISSUED:		AREA:		DUE DATE: -			
PT:		REQUIRED:		PIPE SPEC:-										PRIORITY: -					
MT:		INSPECTION: 100% VISUAL		PWHT:															
BHN:		PAINT: NONE		HYDRO: -								REF.DWG: 4521-PLN-PRT-39-52-0005,0008 R/2							
PMI:		COLOR CODE: -																	
												DRAWN: BA							
												DATE: 2/7/11							
												1st. CHK.: TN							
						2nd. CHK.:													
NO.	REVISIONS			BY	CHK	DATE													
BAR CODE												CLIENT: SUNDT CONSTRUCTION, INC.		P.O. No.: 161125-05		SQ. FT.:		WEIGHT:	
												PROJECT:				JOB No./SEQ. No.			
												PIECE MARK No.: 3-MT-252-12		REV. 0		110009 32-089			

[illegible]

FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION		CUST. MATL. _____														
											Q.C. INSP.	DATE															
2 1 66'-3 1/4" BE SHOP WELD											HEAT No.		BILL OF MATERIAL														
											PIPE																
											MK		QTY		SIZE	SCHEDULE	DESCRIPTION		MATERIAL								
											1		65'-6 1/4"		6"	STD	PIPE ERW-BBE		A53 GR B								
											WELD FITTINGS																
											MK		QTY	SIZE		SCHEDULE	DESCRIPTION		MATERIAL								
											2		1	6"		STD	90 LR ELL BW		A234 GR WPB								
											NOTE(S): 1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING. 2) WELDER I.D. TO BE RECORDED. 3) MARK FLOW ARROW ON SPOOL.																
											11004											TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING					
RT: -		PREHEAT: 50°F MIN.		FAB. CODE: B31.1		DATE ISSUED:		AREA:		DUE DATE: -																	
PT:		REQUIRED:		PIPE SPEC: -				PRIORITY: -																			
MT:		INSPECTION: 100% VISUAL		PWHT:																							
BHN:		PAINT: NONE		HYDRO: -		REF.DWG: 4521-PLN-PRT-39-52-0005,0008 R/2																					
PMI:		COLOR CODE: -				DIXIE MECHANICAL INC TUSCALOOSA, ALABAMA (205) 248-8888																					
				DRAWN: BA								BAR CODE															
				DATE: 2/7/11																							
				1st. CHK.: TN																							
				2nd. CHK.:																							
NO.	REVISIONS			BY	CHK	DATE					PIECE MARK No.: 3-MT-252-15		REV. 0		JOB No./SEQ. No. 110009 32-094												

[illegible]

[illegible]

FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION		CUST. MATL. _____							
66'-6 1/2" 2 1 BE SHOP WELD											Q.C. INSP. DATE		BILL OF MATERIAL							
											HEAT No.		PIPE							
													MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL		
													1	65'-9 1/2"	6"	STD	PIPE ERW-BBE	A53 GR B		
													WELD FITTINGS							
													MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL		
													2	1	6"	STD	90 LR ELL BW	A234 GR WPB		
NOTE(S): 1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING. 2) WELDER I.D. TO BE RECORDED. 3) MARK FLOW ARROW ON SPOOL.																				
11004											TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING									
RT: -		PREHEAT: 50°F MIN.		FAB. CODE: B31.1		DATE ISSUED:		AREA:		DUE DATE: -										
PT:		REQUIRED:		PIPE SPEC:-				PRIORITY: -												
MT:		INSPECTION: 100% VISUAL		PWHT:																
BHN:		PAINT: NONE		HYDRO: -		REF.DWG: 4521-PLN-PRT-39-52-0005,0008 R/2														
PMI:		COLOR CODE: -																		
NO. REVISIONS BY CHK DATE DRAWN: BA DATE: 2/7/11 1st. CHK.: TN 2nd. CHK.: DIXIE MECHANICAL INC TUSCALOOSA, ALABAMA (205) 248-8888											BAR CODE		CLIENT: SUNDT CONSTRUCTION, INC. P.O. No.: 161125-05 PROJECT: PIECE MARK No.: 3-MT-252-17 REV. 0						SQ. FT.: WEIGHT: JOB No./SEQ. No. 110009 32-098	

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[illegible]

FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION Q.C. INSP. DATE	CUST. MATL. _____				
												BILL OF MATERIAL				
										HEAT No.	PIPE					
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											1	65'-8 11/16"	6"	STD	PIPE ERW-BBE	A53 GR B
											WELD FITTINGS					
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											2	1	6"	STD	90 LR ELL BW	A234 GR WPB
										TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING						
										CLIENT: SUNDT CONSTRUCTION, INC.						
										P.O. No.: 161125-05						
										SQ. FT.: WEIGHT:						
										PROJECT:						
										JOB No./SEQ. No.						
										PIECE MARK No.: 3-MT-252-18						
										REV. 0						
										110009 32-101						

FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION Q.C. INSP. DATE	CUST. MATL. _____				
												BILL OF MATERIAL				
										HEAT No.	PIPE					
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											1	65'-6 1/4"	6"	STD	PIPE ERW-BBE	A53 GR B
											WELD FITTINGS					
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											2	1	6"	STD	90 LR ELL BW	A234 GR WPB
										TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING						
										CLIENT: SUNDT CONSTRUCTION, INC. PROJECT: P.O. No.: 161125-05 SQ. FT.: WEIGHT: JOB No./SEQ. No. 110009 32-102						
										PIECE MARK No.: 3-MT-252-19						
										REV. 0						

RT: -

PT:

MT:

BHN:

PMI:

PREHEAT: 50°F MIN.

REQUIRED:

INSPECTION: 100% VISUAL

PAINT: NONE

COLOR CODE: -

FAB. CODE: B31.1

PIPE SPEC:-

PWHT:

HYDRO: -

DATE ISSUED:

AREA:

PRIORITY: -

DUE DATE: -

NO.

REVISIONS

BY

CHK

DATE

DRAWN: BA

DATE: 2/7/11

1st. CHK.: TN

2nd. CHK.:

DIXIE MECHANICAL INC

TUSCALOOSA, ALABAMA

(205) 248-8888

BAR CODE

NOTE(S):

1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING.

2) WELDER I.D. TO BE RECORDED.

3) MARK FLOW ARROW ON SPOOL.

1

2

66'-3 1/4"

SHOP WELD

BE

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION Q.C. INSP. DATE	CUST. MATL. _____				
										HEAT No.	BILL OF MATERIAL					
											PIPE					
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											1	63'-3 3/4"	6"	STD	PIPE ERW-BBE	A53 GR B
											WELD FITTINGS					
											MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
											2	1	6"	STD	90 LR ELL BW	A234 GR WPB
										TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING						
										CLIENT: SUNDT CONSTRUCTION, INC.						
										P.O. No.: 161125-05						
										SQ. FT.: WEIGHT:						
										PROJECT:						
										JOB No./SEQ. No.						
										PIECE MARK No.: 3-MT-252-22						
										REV. 0						
										110009 32-109						

[illegible]

FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION Q.C. INSP. DATE		CUST. MATL. _____						
62'-9 5/8" 2 1 BE SHOP WELD												HEAT No.		BILL OF MATERIAL					
												PIPE							
												MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL		
												1	62'-0 5/8"	6"	STD	PIPE ERW-BBE	A53 GR B		
												WELD FITTINGS							
												MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL		
												2	1	6"	STD	90 LR ELL BW	A234 GR WPB		
TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING																			
NOTE(S): 1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING. 2) WELDER I.D. TO BE RECORDED. 3) MARK FLOW ARROW ON SPOOL.												DIXIE MECHANICAL INC TUSCALOOSA, ALABAMA (205) 248-8888							
11004																			
RT: -		PREHEAT: 50°F MIN.		FAB. CODE: B31.1		DATE ISSUED:		AREA:		DUE DATE: -									
PT:		REQUIRED:		PIPE SPEC:-				PRIORITY: -											
MT:		INSPECTION: 100% VISUAL		PWHT:															
BHN:		PAINT: NONE		HYDRO: -		REF.DWG: 4521-PLN-PRT-39-52-0005,0008 R/2													
PMI:		COLOR CODE: -																	
						DRAWN: BA													
						DATE: 2/7/11													
						1st. CHK.: TN													
						2nd. CHK.:													
NO.		REVISIONS				BY		CHK		DATE									
BAR CODE												CLIENT: SUNDT CONSTRUCTION, INC.		P.O. No.: 161125-05		SQ. FT.:		WEIGHT:	
												PROJECT:				JOB No./SEQ. No.			
												PIECE MARK No.: 3-MT-252-23		REV. 0		110009 32-111			

[illegible]

FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION Q.C. INSP. DATE		CUST. MATL. _____										
2 57'-2 3/8" 1 BE SHOP WELD												HEAT No.		BILL OF MATERIAL									
												PIPE											
												MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL						
												1	56'-5 3/8"	6"	STD	PIPE ERW-BBE	A53 GR B						
												WELD FITTINGS											
												MK	QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL						
												2	1	6"	STD	90 LR ELL BW	A234 GR WPB						
												TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING											
NOTE(S): 1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING. 2) WELDER I.D. TO BE RECORDED. 3) MARK FLOW ARROW ON SPOOL.												11004											
RT: -		PREHEAT: 50°F MIN.		FAB. CODE: B31.1		DATE ISSUED:		AREA:		DUE DATE: -													
PT:		REQUIRED:		PIPE SPEC:-				PRIORITY: -															
MT:		INSPECTION: 100% VISUAL		PWHT:																			
BHN:		PAINT: NONE		HYDRO: -		REF.DWG: 4521-PLN-PRT-39-52-0005,0008 R/2																	
PMI:		COLOR CODE: -																					
						DRAWN: BA		DIXIE MECHANICAL INC TUSCALOOSA, ALABAMA (205) 248-8888															
						DATE: 2/7/11																	
						1st. CHK.: TN																	
						2nd. CHK.:																	
NO.	REVISIONS			BY	CHK	DATE			BAR CODE														
PIECE MARK No.: 3-MT-252-26												REV. 0		JOB No./SEQ. No. 110009 32-116									

FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION Q.C. INSP. DATE		CUST. MATL. _____					
2 57'-2 3/8" 1 BE SHOP WELD												BILL OF MATERIAL						
												PIPE						
												MK		QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
												1		56'-5 3/8"	6"	STD	PIPE ERW-BBE	A53 GR B
												WELD FITTINGS						
												MK		QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
												2		1	6"	STD	90 LR ELL BW	A234 GR WPB
NOTE(S): 1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING. 2) WELDER I.D. TO BE RECORDED. 3) MARK FLOW ARROW ON SPOOL.																		
11004												TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING						
RT: -		PREHEAT: 50°F MIN.		FAB. CODE: B31.1		DATE ISSUED:		AREA:		DUE DATE: -								
PT:		REQUIRED:		PIPE SPEC:-				PRIORITY: -										
MT:		INSPECTION: 100% VISUAL		PWHT:														
BHN:		PAINT: NONE		HYDRO: -		REF.DWG: 4521-PLN-PRT-39-52-0005,0008 R/2												
PMI:		COLOR CODE: -																
						DRAWN: BA		DIXIE MECHANICAL INC TUSCALOOSA, ALABAMA (205) 248-8888		BAR CODE								
						DATE: 2/7/11												
						1st. CHK.: TN												
						2nd. CHK.:												
NO.	REVISIONS			BY	CHK	DATE												
PIECE MARK No.: 3-MT-252-26												REV. 0		JOB No./SEQ. No. 110009 32-117				

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FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION Q.C. INSP. DATE		CUST. MATL. _____					
48'-1" 2 1 BE SHOP WELD												BILL OF MATERIAL						
												PIPE						
												MK		QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
												1		47'-4"	6"	STD	PIPE ERW-BBE	A53 GR B
												WELD FITTINGS						
												MK		QTY	SIZE	SCHEDULE	DESCRIPTION	MATERIAL
												2		1	6"	STD	90 LR ELL BW	A234 GR WPB
NOTE(S): 1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING. 2) WELDER I.D. TO BE RECORDED. 3) MARK FLOW ARROW ON SPOOL.																		
11004												TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING						
RT: -		PREHEAT: 50°F MIN.		FAB. CODE: B31.1		DATE ISSUED:		AREA:		DUE DATE: -								
PT:		REQUIRED:		PIPE SPEC:-				PRIORITY: -										
MT:		INSPECTION: 100% VISUAL		PWHT:														
BHN:		PAINT: NONE		HYDRO: -		REF.DWG: 4521-PLN-PRT-39-52-0005,0008 R/2												
PMI:		COLOR CODE: -																
						DRAWN: BA		DIXIE MECHANICAL INC TUSCALOOSA, ALABAMA (205) 248-8888		BAR CODE								
						DATE: 2/7/11												
						1st. CHK.: TN												
						2nd. CHK.:												
NO.	REVISIONS			BY	CHK	DATE												
CLIENT: SUNDT CONSTRUCTION, INC.												P.O. No.: 161125-05		SQ. FT.:		WEIGHT:		
PROJECT:														JOB No./SEQ. No.				
PIECE MARK No.: 3-MT-252-29												REV. 0		110009 32-123				

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[illegible]

[illegible]

[illegible]

[illegible]

FINAL CHECK	P.W.H.T.	M.T.	P.T.	R.T.	BHN(WELDS)	U.T.(BENDS)	BHN(BENDS)	OVALITY(BENDS)	PMI	FERRITES	VISUAL INSPECTION Q.C. INSP. <td>DATE</td>	DATE			
										CUST. MATL.	_____				
BILL OF MATERIAL															
						PIPE									
						MK QTY SIZE SCHEDULE DESCRIPTION MATERIAL									
						1 41'-4 1/16" 6" STD PIPE ERW-BBE A53 GR B									
						WELD FITTINGS									
						MK QTY SIZE SCHEDULE DESCRIPTION MATERIAL									
						2 2 6" STD 90 LR ELL BW A234 GR WPB									
NOTE(S): 1) RECORD HEAT NUMBERS FOR EACH ITEM OF MATERIAL ON SPOOL DRAWING. 2) WELDER I.D. TO BE RECORDED. 3) MARK FLOW ARROW ON SPOOL.															
TEYMA USA & ABENER ENGINEERING SOLANA SOLAR GENERATING FACILITY SALT TANK FOUNDATION COOLING PIPING															
CLIENT: SUNDT CONSTRUCTION, INC.												P.O. No.: 161125-05		SQ. FT.:	WEIGHT:
PROJECT:												JOB No./SEQ. No.			
PIECE MARK No.: 3-MT-252-33												REV. 0		110009	32-130