

ITEM NO.	QTY.	DESCRIPTION	MATERIAL SPEC.	NOTES:	PART NO.	ITEM	QUANTITY PER UNIT	DESCRIPTION
601	10 FT	PIPE, 1/2" SCH. 80	STEEL, ASME SA106 GRADE B, TYPE S	<p>NOTES:</p> <p>A. PACKAGING, PART IDENTIFICATION AND CONTAINER/SKID/COMPONENT LABELING SHALL BE IN ACCORDANCE WITH YORK INSTRUCTION DWG. 077-11742.</p> <p>B. MILL CERTS ARE REQUIRED ON ALL PIPING AND PIPE FITTINGS. SHIP (I) SET OF MILL CERTS WITH EACH KIT AND SEND (I) DUPLICATE SET TO YORK PURCHASING AND (I) DUPLICATE SET TO YORK CONTRACT ENGINEER.</p> <p>C. OVAL FLANGE KIT MATERIALS: FLANGE : STEEL, FORGED, ASME SA105-73 & B16.5 GASKET : GARLOCK IFG 5500 STUD : STEEL, UNCT'D. ASME SA-193 GR B7 & B1.1 NUT : STEEL, UNCT'D. ASME SA-194 GR. 2H, B1.1 & B18.2.2</p> <p>NOTE: MUST BE RATED MINIMUM 500 PSIG (TYPICAL EXAMPLES SUCH AS HENRY ARE RATED 1500 PSIG)</p> <p>D. FOR ITEMS INDICATED WITH * SEND COPIES OF RELIEF VALVE AND RUPTURE DISK ASME CERTIFICATION CONTAINING VENDOR MODEL AND YORK PART NUMBERS AND IOM'S (IF NOT AVAILABLE SEND PRODUCT BULLETIN) TO: YORK INTERNATIONAL CORP. ATTN: BONNIE DULL (231A) 631 S. RICHLAND AVE., DOOR #100 YORK, PA 17403 (MARK: YORK S.O. NO.)</p>	022-09948-002	501	5	VALVE, STOP ANGLE 3/4" S.W.
602	80 FT	PIPE, 3/4" SCH. 80	STEEL, ASME SA106 GRADE B, TYPE S		022-09948-004	503	1	VALVE, STOP ANGLE 1-1/4" S.W.
603	50 FT	PIPE, 1" SCH. 40	STEEL, ASME SA106 GRADE B, TYPE S		022-09948-006	505	4	VALVE, STOP ANGLE 2" S.W.
604	50 FT	PIPE, 1-1/4" SCH. 40	STEEL, ASME SA106 GRADE B, TYPE S		022-09948-007	506	1	VALVE, STOP ANGLE 2-1/2" S.W.
605	1 FT	PIPE, 1-1/2" SCH. 40	STEEL, ASME SA106 GRADE B, TYPE S		022-09948-020	508	13	VALVE, STOP ANGLE 1/2 NPTI
606	90 FT	PIPE, 2" SCH. 40	STEEL, ASME SA53 GRADE B, TYPE S		022-09948-014	510	1	VALVE, STOP GLOBE 1-1/2" S.W.
607	20 FT	PIPE, 2-1/2" SCH. 40	STEEL, ASME SA53 GRADE B, TYPE S		022-09948-015	511	2	VALVE, STOP GLOBE 2" S.W.
608	2 FT	PIPE, 3" SCH. 40	STEEL, ASME SA53 GRADE B, TYPE S		022-07893-030	512	4	VALVE, RELIEF 1-1/4 X 1-1/2
609	1	ELBOW, S.W. 3/4" 45 DEG.	STEEL, FORGED, 3000#, ASME SA105 & B16.11		023-13837-003	513	4	FLANGE, RELIEF VALVE 1-1/4 NPTI
610	12	ELBOW, S.W. 3/4" 90 DEG.	STEEL, FORGED, 3000#, ASME SA105 & B16.11		026-46714	514	4	DISK, RUPTURE 2" AT 300
611	11	ELBOW, S.W. 1" 90 DEG.	STEEL, FORGED, 3000#, ASME SA105 & B16.11		026-30981-004	515	4	HEAD, SAFETY 2"
612	15	ELBOW, S.W. 1-1/4" 90 DEG.	STEEL, FORGED, 3000#, ASME SA105 & B16.11		022-06404	516	2	VALVE, STOP 3-WAY 1-1/4" NPTI
613	1	ELBOW, S.W. 1-1/2" 90 DEG.	STEEL, FORGED, 3000#, ASME SA105 & B16.11		026-46605	517	1	DEHYDRATOR, 1" S.W.
614	20	ELBOW, S.W. 2" 90 DEG.	STEEL, FORGED, 3000#, ASME SA105 & B16.11		026-46606	518	1	CARTRIDGE, FILTER
615	6	TEE, S.W. 1/2"	STEEL, FORGED, 3000#, ASME SA105 & B16.11		026-46608-001	519	1	PIPE, FLEX 3/4" X 16" LG.
616	2	TEE, S.W. 3/4"	STEEL, FORGED, 3000#, ASME SA105 & B16.11		022-12070	520	2	VALVE, BALL 2" S.W.
617	1	TEE, S.W. 1-1/4"	STEEL, FORGED, 3000#, ASME SA105 & B16.11		022-07845-002	521	1	VALVE, CHECK 3/4 S.W. FLG.
618	10	TEE, S.W. 2"	STEEL, FORGED, 3000#, ASME SA105 & B16.11		022-01887	522	1	VALVE, RELIEF 3/8 NPTE X 1/2 FLA.
619	1	INSERT, S.W. 3/4" X 1/2"	STEEL, FORGED, 3000#, ASME SA105 & B16.11		022-12038	523	1	VALVE, FLOAT 3/4 S.W.
620	1	INSERT, S.W. 1-1/4" X 3/4"	STEEL, FORGED, 3000#, ASME SA105 & B16.11		025-25277	524	1	SWITCH, LIQUID LEVEL 1-1/2" NPTE
621	4	INSERT, S.W. 2" X 1/2"	STEEL, FORGED, 3000#, ASME SA105 & B16.11			525		
622	2	INSERT, S.W. 2" X 3/4"	STEEL, FORGED, 3000#, ASME SA105 & B16.11		026-27876-002	526	1	THERMOWELL, 3/4 NPTI X .26 BORE X 6
623	9	INSERT, S.W. 2" X 1-1/4"	STEEL, FORGED, 3000#, ASME SA105 & B16.11		026-31316-005	527	1	THERM., DIAL, DUAL SCALE, 6" STEM
624	1	CPLG., S.W. 2"	STEEL, FORGED, 3000#, ASME SA105 & B16.11		025-40113	528	1	HEATER, ELECT. 1-1/4 NPTE 1635 W.
625	1	TEE, SCREW 2" NPTI	STEEL, FORGED, 3000#, ASME SA105, B2.1 & B16.11		376-82486	529	1	EDUCTOR, OIL RETURN
626	6	BUSH., PIPE 1/2" X 1/4"	STEEL, FORGED, ASME B16.14 & B1.20.1		025-18811	530	1	VALVE, SOLENOID 3/4" NPTI
627	1	PLUG, PIPE 3/4" NPTE	SO. HD. SOLID, ASME B16.14 & B1.20.1		025-44004	531	1	VALVE, SOLENOID 2" S.W.
628	2	PLUG, PIPE 2" NPTE	SO. HD. SOLID, ASME B16.14 & B1.20.1		026-46330-007	532	1	INDICATOR, LIQ. LEV.
629	1	PLUG, PIPE 1/2" NPTE	SO. HD. SOLID, ASME B16.14 & B1.20.1		026-21691	533	1	DEHYDRATOR, 2" S.W.
630	2	ELBOW, B.W. 2-1/2" 90 DEG. L.R.	STEEL, WROUGHT, ASME SA234 GRADE WPB & B16.9		026-10250	534	4	CARTRIDGE, DEHYDRATOR
631	2	TEE, B.W. 3"	STEEL, WROUGHT, ASME SA234 GRADE WPB & B16.9		023-17197	535	1	PLUG, SIGHT 2-1/4-12UN-2A
632	2	RED., B.W. CONC., 3" X 2"	STEEL, WROUGHT, ASME SA234 GRADE WPB & B16.9		022-03056	536	1	VALVE, RELIEF 1/2 NPTE X 5/8 FLA.
633	1	RED., B.W. CONC., 3" X 2-1/2"	STEEL, WROUGHT, ASME SA234 GRADE WPB & B16.9			537		
634	1	KIT, FLANGE, OVAL S.W. 3/4" INCL. MALE & FEMALE FLG'S., GSKT. & HARDWARE	SEE NOTE C			538		
635	4	FLANGE, S.W. 2"-300#	STEEL, FORGED, ASME SA105 & B16.5			539		
636	2	FLANGE, WELD NECK, 2-1/2"-300# SCH. 40	STEEL, FORGED, ASME SA105 & B16.5			540		
637	2	RING, WELD, BACKUP, 2"	STEEL, ASTM A109, TEMPER 4		028-15075-356	541	1	GASKET, 5-1/8 OD X 2-7/8 ID X 1/16 THK
638	8	RING, WELD, BACKUP, 2-1/2"	STEEL, ASTM A109, TEMPER 4			542		
639	6	RING, WELD, BACKUP 3"	STEEL, ASTM A109, TEMPER 4		028-15075-355	543	9	GASKET, 4-3/8 OD X 2-3/8 ID X 1/16 THK
640	8	STUD, CONT'S. THD. 5/8-11 UNC X 3-1/2 LG.	STEEL, UNCT'D, ASME SA193 GR.B7 & B1.1			544		
641	8	STUD, CONT'S. THD. 3/4-10 UNC X 4 LG.	STEEL, UNCT'D, ASME SA193 GR.B7 & B1.1		099-07015-013	545	1	COUPLET, WELD, 1/2" NPTI X 2" S.W.
642	8	STUD, CONT'S. THD. 5/8-11 UNC X 5 LG.	STEEL, UNCT'D, ASME SA193 GR.B7 & B1.1		099-07015-015	546	1	COUPLET, WELD, 3/4" NPTI X 1" S.W.
643	32	STUD, CONT'S. THD. 5/8-11 UNC X 5-1/4 LG.	STEEL, UNCT'D, ASME SA193 GR.B7 & B1.1			547		
644	16	NUT, HVY. HEX 3/4-10 UNC	STEEL, UNCT'D, ASTM A193 GR.B7 & B1.1		099-07015-018	548	1	COUPLET, WELD, 3/4" NPTI X 2" S.W.
645	96	NUT, HVY. HEX 5/8-11 UNC	STEEL, UNCT'D, ASME SA194 GR. 2H, B1.1 & B18.2.2		023-21726	549	1	CONN., 2-1/4-12UN-2B X 2" S.W.
646	1	BOLT, U. 1/4" W/NUTS FOR 4-3/4" O.D. F/D	STEEL, UNCT'D, ASTM A307, ASME B1.1		026-37999	550	6	GAUGE, PRESS.
647	5	BOLT, U. 1/4" W/NUTS FOR 2" PIPE	STEEL, UNCT'D, ASTM A307, ASME B1.1		028-12961-036	551	1	SEAL, O-RING, NEOPRENE
648	1	ANGLE, 2" X 2" X 1/4" X 120"	STEEL, ASTM A36		377-15603-001	552	1	PIPE, LIQUID LEVEL
649	4	GASKET, 3-5/8 OD X 2 ID X 1/16 THK	GARLOCK IFG 5500, NON-ASBESTOS		028-15075-352	553	4	GASKET, 2-7/8 OD X 1-5/16 ID X 1/16 THK
650	2	GASKET, 2-1/4 OD X 1 ID X 1/16 THK	GARLOCK IFG 5500, NON-ASBESTOS		022-07893-010	554	2	VALVE, RELIEF 3/4 X 1
651	2	BOLT, U. 1/4" W/NUTS FOR 1" PIPE	STEEL, UNCT'D, ASTM A307, ASME B1.1		023-13837-001	555	2	FLANGE, RELIEF VALVE 3/4 NPTI
652	1	BOLT, U. 1/4" W/NUTS FOR 4" PIPE	STEEL, UNCT'D, ASTM A307, ASME B1.1		026-31996	556	2	DISK, RUPTURE 1" AT 300
653	2	TEE, S.W. 1"	STEEL, FORGED, 3000#, ASME SA105 & B16.11		026-30981-002	557	2	HEAD, SAFETY 1"
654	2	INSERT, S.W. 1" X 1/2"	STEEL, FORGED, 3000#, ASME SA105 & B16.11		022-03758	558	1	VALVE, STOP 3-WAY 1" NPTI
655	4	INSERT, S.W. 1" X 3/4"	STEEL, FORGED, 3000#, ASME SA105 & B16.11			559		
656	4	FLANGE, S.W. 1"-300#	STEEL, FORGED, ASME SA105 & B16.5		099-07015-028	560	1	COUPLET, WELD 2" NPTI X 2" S.W.
657	1	BAR, FLAT 1/4" THK. X 1-1/2" X 12" LG.	STEEL, UNCT'D. ASTM A36					

(LAST AVAILABLE ITEM NO. - 700)

REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.	REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.	REV. LEV.	DATE	REVISION RECORD	CHG. NO.	DR.	CK.	*ALL PROPRIETARY RIGHTS IN THE SUBJECT MATTER HEREOF ARE RESERVED, AND NO PERMISSION IS GRANTED TO REPRODUCE THIS PRINT IN WHOLE OR IN PART, OR DISCLOSE ANY OF THE INFORMATION UPON IT TO OTHERS WITHOUT WRITTEN RELEASE BY YORK INTERNATIONAL CORPORATION.	DIMENSIONS ARE IN INCHES DO NOT SCALE TOLERANCES PER ENG. STD. M-282 WELDING PER ENG. STD. M-30 REF. DWG.	KIT, PIPING, SYSTEM OM - 5090 REFRIGERANT - 134a NEMA - I	MATERIAL _____ ENG. STD. _____ PART NO. _____ CUT SIZE _____
-	NEW		CS10 0565																		
A	2-22-10	ADDED NEW P.O. & YORK ORDER NUMBERS TO CUSTOMER DATA "STAMP". CHANGED TO OM-5090 IN "STAMP" & TITLE.	CS10 0523	MEB	MEB																

PROJECT NAME KING, ABDULLAH
 BIN, ABDULAZIZ PROJECT
 THIRD SAUDI EXPANSION
 OF HOLY HARAM MAKKAH
 AND SURROUNDING AREAS
 CENTRAL UTILITY COMPLEX
 AND SERVICE TUNNEL

PURCHASE ORDER NO. JSFP-2792 JSFP-2947

SUPPLIER, YORK, A JOHNSON CONTROLS CO.
 YORK, PA.

YORK ORDER NO. JO60251-03 THRU -18
 JO60034-03 THRU -10

EQUIPMENT TITAN OM-5090 R-134A
 VFD & MOTOR/GEAR DRIVE CHILLER

CERTIFIED FOR CONSTRUCTION
 YORK
 INTERNATIONAL CORP.
 DATE 09-24-10 BY A.R. SHANKO JR.
 REV. A, 12-22-10 A.R. SHANKO JR.

YORK INTERNATIONAL CORPORATION
 YORK, PA. 17405

NAME DATE DR. M.E. BAUGHMAN 09-22-10 APPR. M.E. BAUGHMAN 09-24-10 SCALE: NTS	SIZE CAGE NO D 66935	DRAWING NUMBER 023-25214-002
WT. =	LBS.	ORIG. NO. 023-25214-002 SHEET 1 OF 5