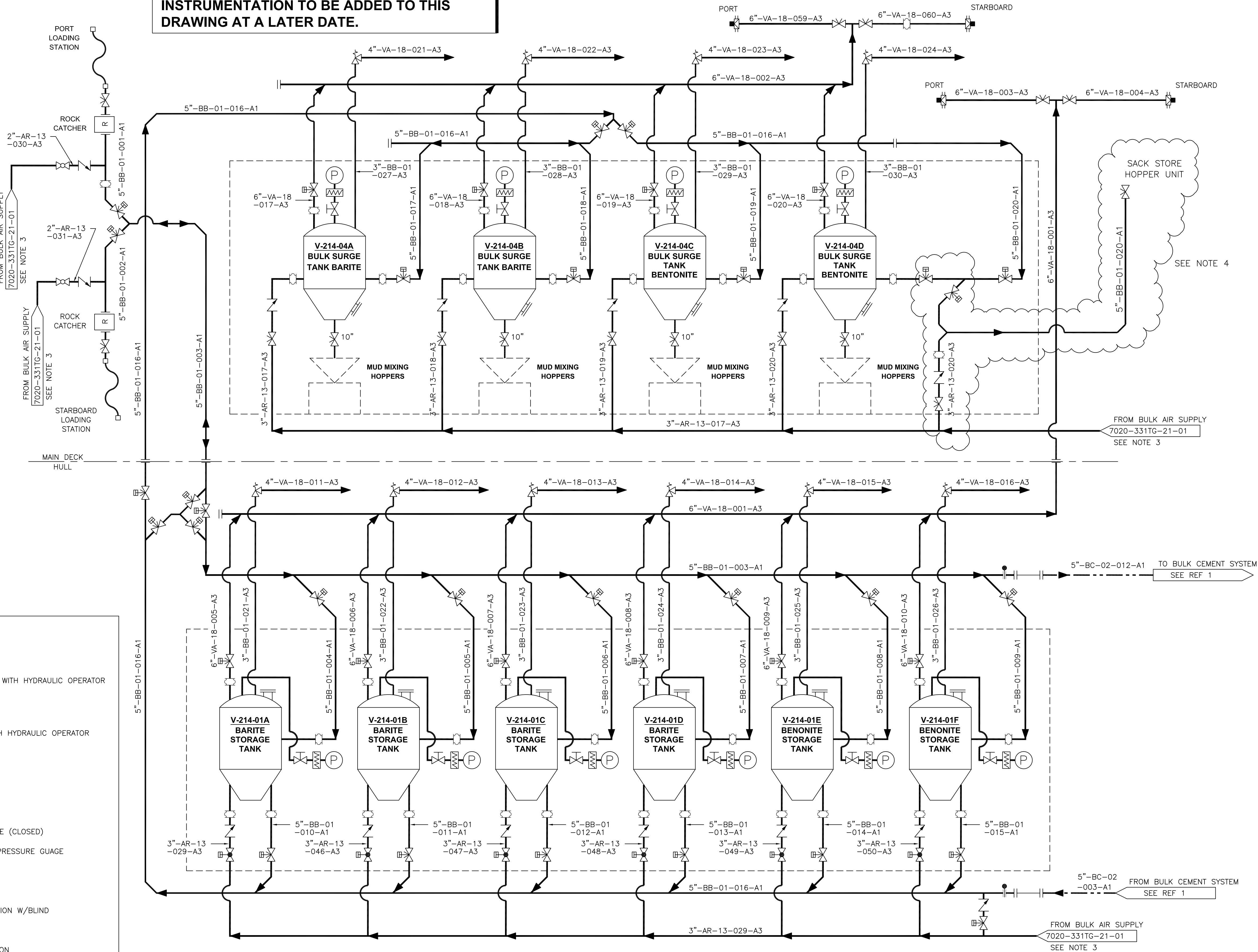


NOTE
FOR INSTRUMENTATION SEE GENERAL NOTE 3
INSTRUMENTATION TO BE ADDED TO THIS
DRAWING AT A LATER DATE.



MATERIAL SPECIFICATIONS

TEMPERATURE: -4 DEG. F TO 120 DEG. F
 PIPE: SCH 40, ASTM A-106, GR. B SEAMLESS CARBON STEEL, BLACK
 FITTINGS: SEAMLESS, BUTT WELD, ASTM A-234, GR. WPB
 NOMINAL DIAMETERS SHOWN IN INCHES
 RATING: MAXIMUM WORKING PRESSURE: 60 PSI
 TEST PRESSURE: 90 PSI
 VALVES: BUTTERFLY VALVES
 CLASS 150 RF FLG, CARBON STEEL BODY, 316 STAINLESS STEEL DISC, TEFLON SEAT, ASTM A-126, GR. CLB
 CHECK VALVE, CARBON STEEL BODY, ASTM A-126, GR. WCB STAINLESS STEEL TRIM, CLASS 150 RF FLANGED CONNECTIONS
 FLANGES: CLASS 150 RF SLIP-ON, ASTM A-105
 VICTAULIC COUPLINGS

GENERAL NOTES

1. ALL PIPING IN ACCORDANCE WITH ANSI B31.3 AND API STANDARDS.
2. THIS DRAWING WAS COPIED FROM R&B FALCON DRAWING D-92-P01, SHEET 16 OF 19.
3. THE FOLLOWING SAMSUNG DRAWINGS WERE USED FOR REFERENCE:
 7020-331TG-03 BULK POWDER SYSTEM-BARITE/BENONITE P&ID
 7020-331TG-04 BULK POWDER SYSTEM-CEMENT P&ID
 7020-331TG-21 COMPRESSED AIR SYSTEM P&ID
4. ADDED 5" PIPE FROM BARITE SURGE TO TANK SACK ROOM 5/24/10

REFERENCE DRAWINGS

- JOB NUMBER 6092
1. P-FF 1000 - BULK CEMENT PIPING SCHEMATIC

REFERENCE DATA

NO.	DRAWING NO.	DESCRIPTION
1	P-FF-1001	BULK BARITE AND BENONITE PIPING SCHEMATIC

LEGEND

- BUTTERFLY VALVE WITH HYDRAULIC OPERATOR
- GATE VALVE
- GLOBE VALVE WITH HYDRAULIC OPERATOR
- BALL VALVE
- RELIEF VALVE
- CHECK VALVE
- SPECTACLE FLANGE (CLOSED)
- DIAPHRAGM FOR PRESSURE GAUGE
- EXPANSION JOINT
- PRESSURE GAUGE
- HAMMER CONNECTION W/BLIND
- HOSE
- FLANGE CONNECTION
- REMOVABLE SPOOL

Rev. No.	REVISION DESCRIPTION	DATE	BY	ENG.
0	THIS DRAWING SUPERSEDES DRAWING NO. P-FF-1001 AND WAS REVISED PER REA 2879	2/09/11	CES	MW

TRANSOCEAN OFFSHORE DEEPWATER DRILLING INC.
 Houston, Texas
 Engineering and Technical Support

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DEEPWATER DISCOVERY
BULK BARITE AND BENONITE
PIPING SCHEMATIC

NAME	Date	SCALE	IMO NO.	SHEET SIZE
DRAWN BY: C.E.S.	10/04/10	AS NOTED	9203679	D
ENGINEER: M.W.	10/04/10			
CHECKER: R.H.	2/09/11			
MANAGER: R.H.	2/09/11			
RELEASED: V.V.	02/09/11			