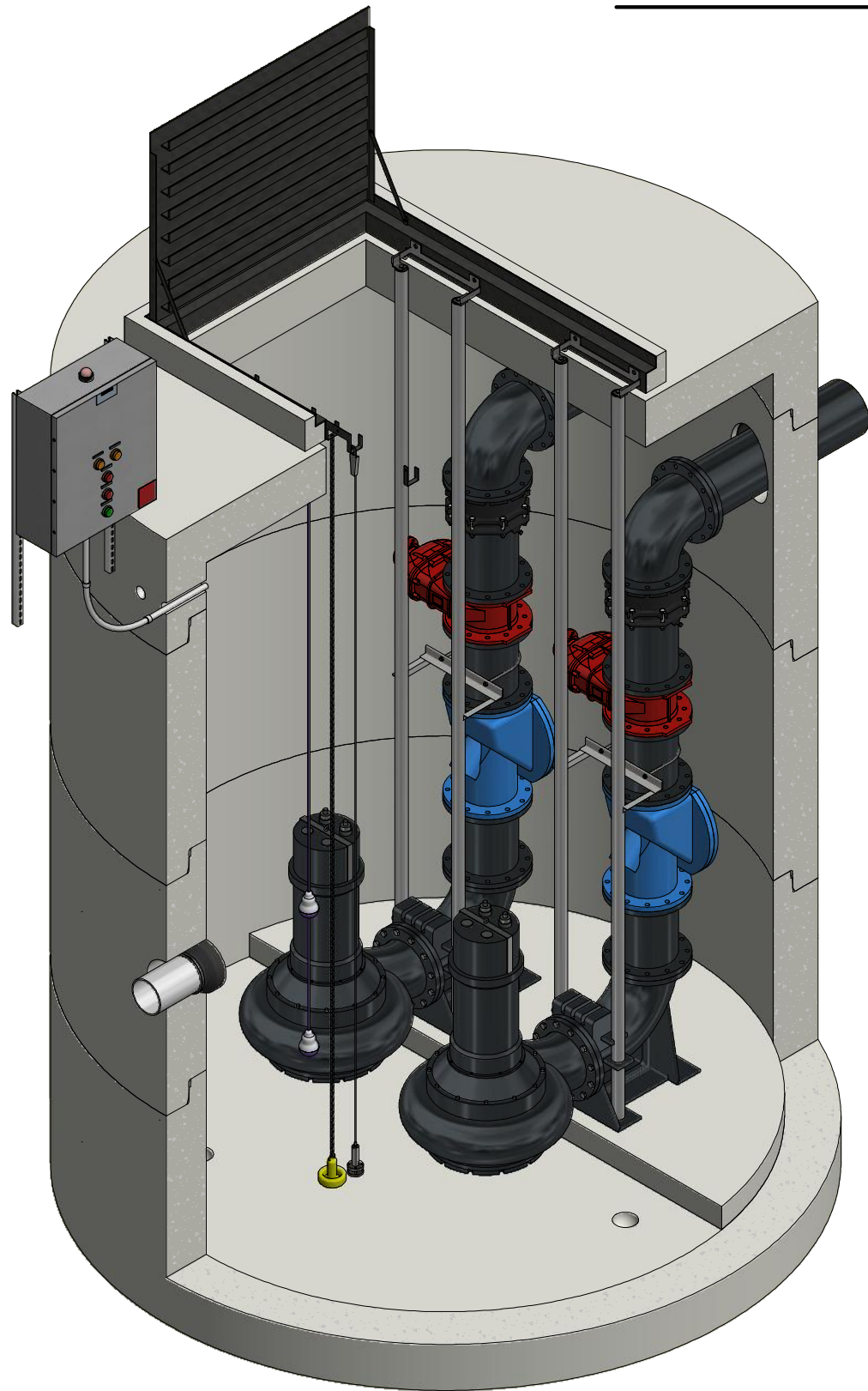
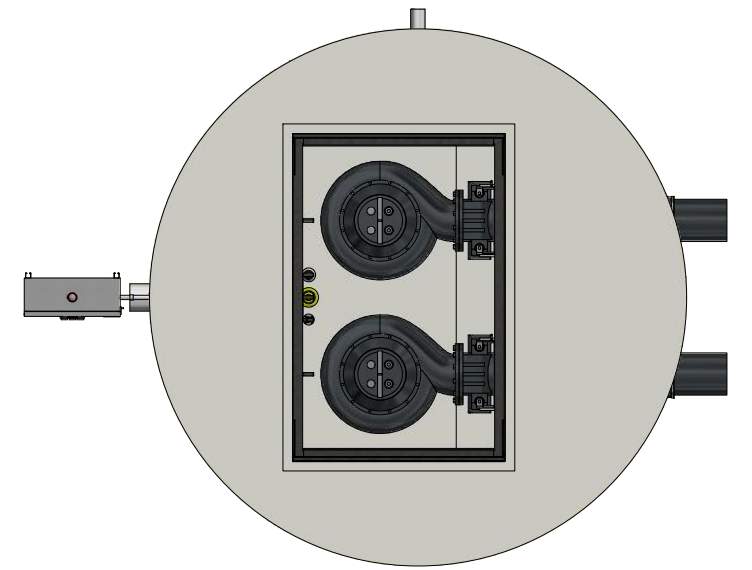


12144-D SERIES STANDARD DUPLEX PUMP STATION



TOP LEFT ISOMETRIC VIEW w/ SECTION
NOT TO SCALE



PLAN VIEW
NOT TO SCALE



PROFILE VIEW
NOT TO SCALE

12144-D Series Standard.idw

DISCLAIMERS, INCLUDING BUT NOT LIMITED TO:

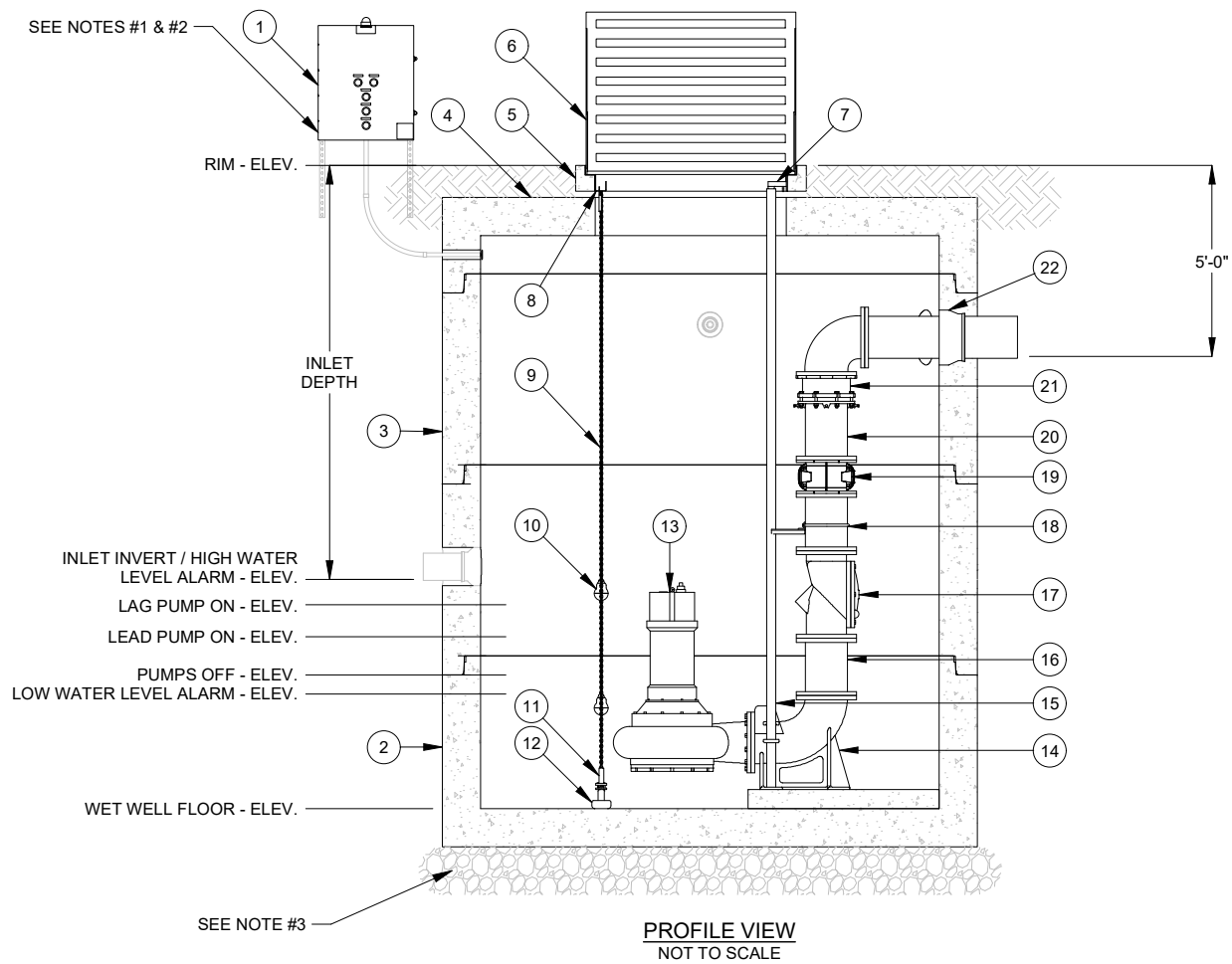
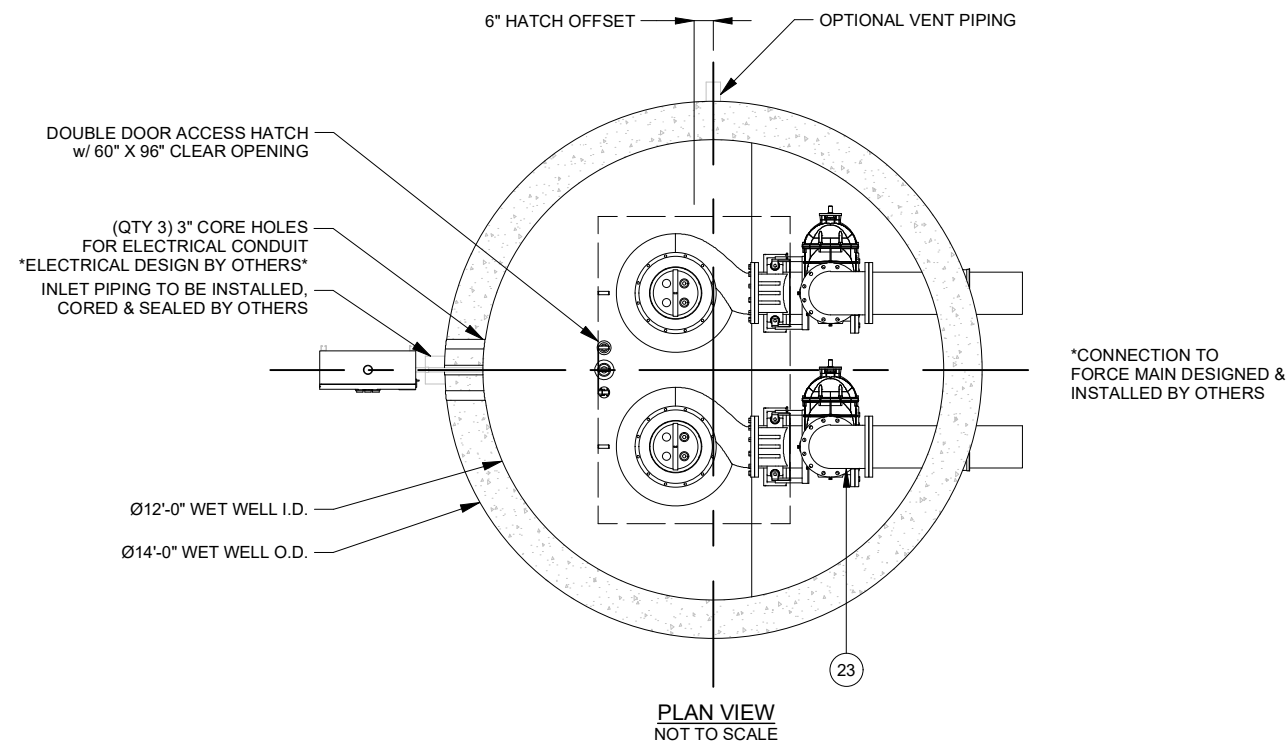
- 1.) All elevations have been provided by others, and have not been verified by Jensen Precast. Contractor to verify all dimensions and elevations in field prior to installation.
- 2.) These layout drawings are intended to show overall system design only. All concrete component thicknesses, dimensions, and joint orientations may vary across Jensen Precast's manufacturing facilities. Contractor to confirm all thicknesses, dimensions, and joint orientations prior to installation.
- 3.) System design criteria has been provided to Jensen Precast. Others are responsible for verification that system meets intended application.
- 4.) Foundation, subgrade, and backfill to be designed by others.

JENSEN **PUMP STATIONS**

521 DUNN CIRCLE, SPARKS, NV 89431
www.jensenwaterresources.com
(855) 468-5600

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DESCRIPTION:		12144-D SERIES STANDARD		REV:
TITLE SHEET				
PART NUMBER:	12144-D Series Standard	DRAWN BY:	T. Handke	SHEET:
CREATED:		MODIFIED:	7/22/2020	1 OF 2



BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
1	1	DUPLEX ALTERNATING CONTROL PANEL
2	1	144IN DIA. JENSEN PRECAST CONCRETE MANHOLE BASE *HEIGHT VARIES*
3	2	144IN DIA. JENSEN PRECAST CONCRETE MANHOLE BARREL *HEIGHT VARIES*
4	1	144IN DIA. JENSEN PRECAST CONCRETE MANHOLE FLAT TOP *HEIGHT VARIES*
5	1	JENSEN PRECAST CONCRETE HATCH RISER
6	1	DOUBLE DOOR HATCH WITH A CLEAR OPENING OF 60IN X 96IN
7	2	UPPER GUIDE RAIL BRACKET 12IN
8	1	JMT FLOAT BRACKET 3-HOOK FORMED SS
9	18 LF	LF CHAIN 1/4IN 316SS
10	2	OPTICAL FLOAT SWITCH w/ 100' CABLE
11	1	PRESSURE TRANSDUCER w/ 100' CABLE
12	1	ANCHOR 15LB PVC COATED
13	2	SUBMERSIBLE PUMP 12IN
14	2	AUTOCOUPLING ASSY 12IN
15	80 LF	LF PIPE 2-1/2IN SCH40 GUIDE RAIL 304SS
16	4	PIPE 12IN FLG X FLG DUCTILE IRON SPOOL
17	2	CHECK VALVE 12IN
18	2	INTERMEDIATE GUIDE RAIL BRACKET 12IN
19	2	ISOLATION VALVE 12IN
20	4	PIPE 12IN FLG X PE DUCTILE IRON SPOOL 4FT
21	2	RFCA 12IN W/ SS HARDWARE
22	2	FLEXIBLE PIPE CONNECTORS
23	2	90 DEG ELBOW 12IN DUCTILE IRON FLG

PROJECT SPECIFIC INFORMATION		
FINISHED GRADE (Ft.)		
RIM ELEV. (Ft.)		
INLET ELEV. (Ft.)		
FORCE MAIN DISCHARGE ELEV. (Ft.)		
AVAILABLE POWER SUPPLY	120V []	240V [] 480V []
AVAILABLE POWER PHASE	Single []	Three []

SYSTEM CHARACTERISTICS		
APPLICATION	SEWAGE []	STORM WATER []
DESIGN FLOW (gpm)		
TOTAL DYNAMIC HEAD (Ft.)		
STATIC HEAD (Ft.)		
PUMP MOTOR (Std / XP)	Standard []	XP/FM []
PUMP TYPE	Non-Clog []	Grinder [] Chopper [] Vortex []
PUMP RATED HP & CURRENT		
ACCESS HATCH LOAD LEVEL	Pedestrian []	Incidental H-20 [] Parking Lot H-20 [] Full Traffic H-20 []

ADDITIONAL OPTIONS		
OPTION	YES	NO
CONTROL PANEL SS ENCLOSURE	[]	[]
CONTROL PANEL AC UNIT	[]	[]
CONTROL PANEL REMOTE ALARM MONITORING	[]	[]
AIR RELEASE/VACUUM VALVE	[]	[]
INTERIOR LINER	[]	[]
CONCRETE WATERPROOFING	[]	[]
VENT PIPE	[]	[]
ODOR CONTROL VALVE	[]	[]
LIFTING CRANE	[]	[]
GENERATOR RECEPTACLE	[]	[]

DESIGN NOTES / DISCLAIMERS:
 1. CONTROL PANEL INSTALLATION, MOUNTING DESIGN & HARDWARE BY OTHERS.
 2. FINAL CONTROL PANEL LOCATION TO BE DETERMINED ACCORDING TO PROJECT REQUIREMENTS. CONSULT ALL SUBMITTED PUMP AND LEVEL CONTROL CABLE LENGTHS WHEN DETERMINING THE CONTROL PANEL LOCATION.
 3. ALL FOUNDATION, SUBGRADE, AND BACKFILL DESIGNED BY OTHERS.

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DESCRIPTION: **12144-D SERIES STANDARD**

MECHANICAL DETAIL

PART NUMBER: 12144-D Series Standard

CREATED:

DRAWN BY: T. Handke

MODIFIED: 7/22/2020

REV: SHEET: 2 OF 2