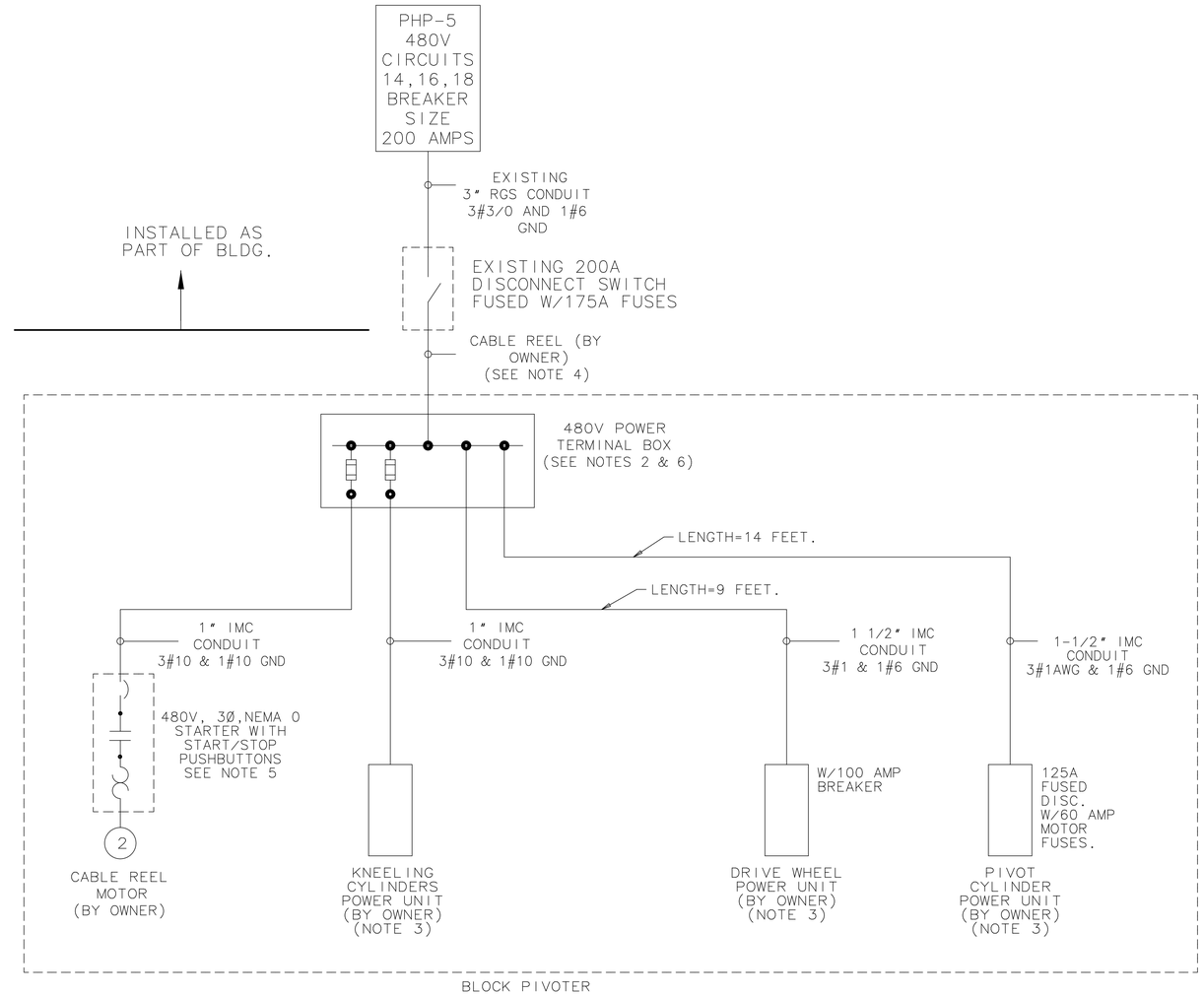
REV	DESCRIPTION	DRAWN	DATE
		APPROVED	DATE
A	AS BUILT CHANGES MADE.	J.CATALANELLO	01-NOV-2011
		D.PUSHKA	22-FEB-2012
B	AS BUILT CHANGES MADE.	J.CATALANELLO	03-MAY-2012
		D.PUSHKA	04-MAY-2012



BLOCK PIVOTER DIAGRAM

Y◇NOTES

1. ALL CONDUIT SHALL BE IMC EXCEPT FOR THE FINAL 3 FT. TO BLOCK PIVOTER EQUIPMENT TO BE LIQUID-TIGHT FLEXIBLE METAL CONDUIT.

2. ITEM B202009CH:
   20 X 20 X 9 INCH (H◇W◇D) NEMA 12 JIC ENCLOSURE, SINGLE-DOOR WITH CONTINUOUS HINGE, WALL MOUNT. REQUIRES NP2020 SUB-PANEL (NOT INCLUDED).
   ITEM NP2020:
   SUB-PANEL 20 X 20 ENCLOSURE.
   ITEM EPDB702:
   EDISON DISTRIBUTION BLOCK, FINGER-SAFE, 760A MAX, UL LISTED, 1 POLE, LINE SIDE: 2 OPENINGS ACCEPT 500 KCMIL GO 6AWG, LOAD SIDE: 2 OPENINGS ACCEPT 500 KCMIL TO 6AWG, 200KA SCCR RATING, 1 BLOCK PER PACK.

3. TERMINATE CABLES ON LINE SIDE OF DISCONNECT SWITCH IN CABINET. DRIVE WHEEL UNIT HAS ONE 75 HP MOTOR, 83.4 AMP FULL LOAD CURRENT @ 460VAC AND ONE OIL COOLER FAN MOTOR. 1.2 AMPS @ 460 VAC. PIVOT CYLINDER POWER UNIT HAS 2-30 HP MOTORS, 35.0 AMP FULL LOAD CURRENT @ 460 VAC.

4. CONNECT CABLES FROM OWNER PROVIDED CABLE REEL TO LOAD SIDE OF EXISTING DISCONNECT SWITCH. CABLE REEL HAS 393 FEET OF 4/0 AWG 3C TYPE G-GC CABLE. 316 AMP RATING @ 30 DEG C AMBIENT.

5. GRAINGER ITEM #6AMV3:
   COMBINATION MAGNETIC STARTER, FUSIBLE DISCONNECT. SHORT CIRCUIT PROTECTION 30A, NEMA SIZE 1, COIL VOLTS 480V/120V, HZ 50/60, AMPS AC27, NEMA ENCLOSURE TYPE 3R, 7.5 HP @ 3 PHASE-460V.

6. INSTALL FUSE HOLDERS & 15 AMP FUSES IN TERMINAL BOX.
   ITEM CH30J3I:
   FUSE HOLDER, INDICATING, FOR CLASS J FUSES, 600VAC, 30A, 18-1 AWG, 3 POLE, DIN-RAIL MOUNT, 2 HOLDERS PER PACK.
   ITEM JDL15:
   FUSE 15 AMP 10/PKG, 600VAC TIME DELAY CLASS J.

7. FEEDS TO DRIVE WHEEL AND PIVOT CYLINDER POWER UNITS SIZED PER NEC ARTICLES 430.28 AND 430.53 (D) 2.

NOTICE: IMAGE OBTAINED FROM FERMILAB WEB SITE

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UNLESS OTHERWISE SPECIFIED	ORIGINATOR	D.PUSHKA	17-MAY-2011
	DRAWN	J.CATALANELLO	25-MAY-2011
± ± ±	CHECKED	J.RAUCH	25-MAY-2011
1. BREAK ALL SHARP EDGES MAX.	APPROVED	D.PUSHKA	25-MAY-2011
2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ASME Y14.5M-1994 4. MAX. ALL MACH. SURFACES	USED ON	ME-486942	
5. DRAWING UNITS: U.S. INCH	MATERIAL		

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

NOVA-UTILITIES ELECTRICAL
NOVA ASH RIVER BLOCK PIVOTER
ASH RIVER BLOCK PIVOTER 480 ELEC

SCALE	DRAWING NUMBER	SHEET	REV
NONE	3929.520-ED-489097	1 OF 1	B

CREATED WITH : Ideas12NXSeries | GROUP: PPD/MECHANICAL DEPARTMENT