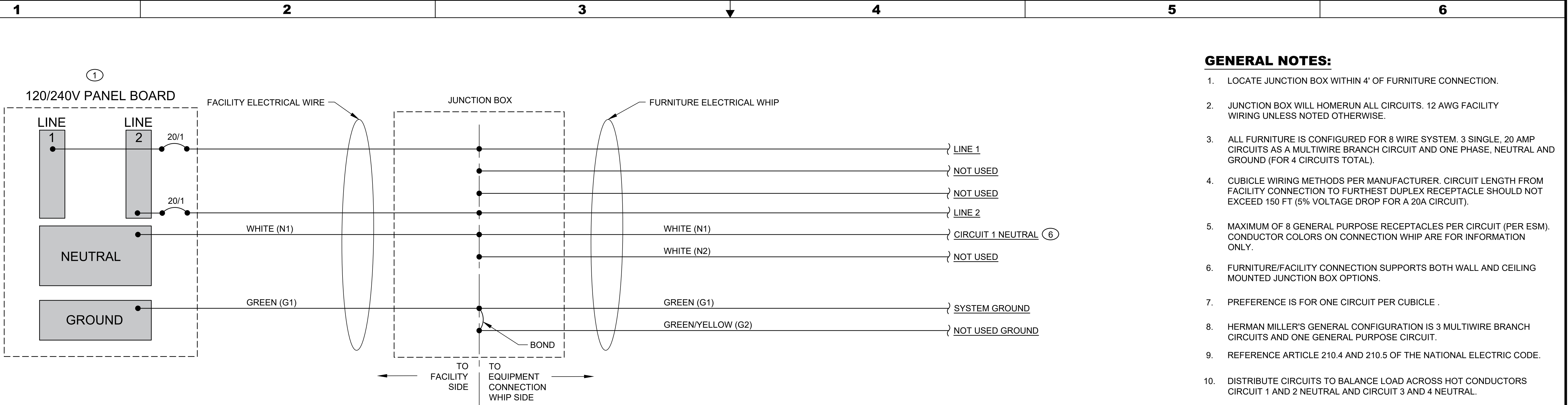


D

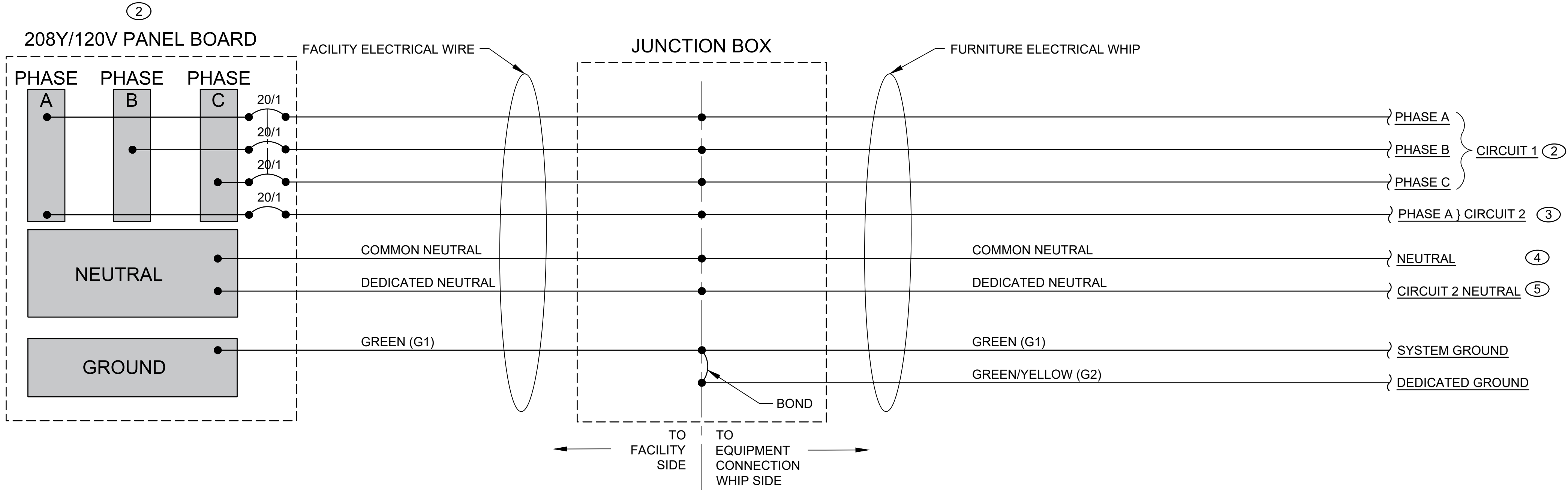
C

B

A



- GENERAL NOTES:**
- LOCATE JUNCTION BOX WITHIN 4' OF FURNITURE CONNECTION.
 - JUNCTION BOX WILL HOMERUN ALL CIRCUITS. 12 AWG FACILITY WIRING UNLESS NOTED OTHERWISE.
 - ALL FURNITURE IS CONFIGURED FOR 8 WIRE SYSTEM. 3 SINGLE, 20 AMP CIRCUITS AS A MULTIWIRE BRANCH CIRCUIT AND ONE PHASE, NEUTRAL AND GROUND (FOR 4 CIRCUITS TOTAL).
 - CUBICLE WIRING METHODS PER MANUFACTURER. CIRCUIT LENGTH FROM FACILITY CONNECTION TO FURTHEST DUPLEX RECEPTACLE SHOULD NOT EXCEED 150 FT (5% VOLTAGE DROP FOR A 20A CIRCUIT).
 - MAXIMUM OF 8 GENERAL PURPOSE RECEPTACLES PER CIRCUIT (PER ESM). CONDUCTOR COLORS ON CONNECTION WHIP ARE FOR INFORMATION ONLY.
 - FURNITURE/FACILITY CONNECTION SUPPORTS BOTH WALL AND CEILING MOUNTED JUNCTION BOX OPTIONS.
 - PREFERENCE IS FOR ONE CIRCUIT PER CUBICLE .
 - HERMAN MILLER'S GENERAL CONFIGURATION IS 3 MULTIWIRE BRANCH CIRCUITS AND ONE GENERAL PURPOSE CIRCUIT.
 - REFERENCE ARTICLE 210.4 AND 210.5 OF THE NATIONAL ELECTRIC CODE.
 - DISTRIBUTE CIRCUITS TO BALANCE LOAD ACROSS HOT CONDUCTORS CIRCUIT 1 AND 2 NEUTRAL AND CIRCUIT 3 AND 4 NEUTRAL.



- KEYED NOTES:**
- ALTERNATE HOT AS REQUIRED.
 - MULTIWIRE BRANCH CIRCUIT WITH HANDLE TIE.
 - 4TH CIRCUIT WITH A DEDICATED NEUTRAL. VARY 4TH CIRCUIT BETWEEN PHASES, AS REQUIRED.
 - COMMON NEUTRAL FOR MULTIWIRE BRANCH CIRCUIT.
 - DEDICATED NEUTRAL FOR 4TH CIRCUIT.
 - NEUTRAL IS USED FOR BOTH LINE 1 AND 2

NOTE: DESIGNER MUST EDIT DRAWINGS TO SUIT CONDITIONS.

LBO-DESIGN PACKAGE REVIEWER	N/A		
APPROVED FOR RELEASE T. TORUCH SUBMITTED			
E. STROMBERG VERIFIED			
S. R. BACA DESIGNED			
A. OLSEN			
DRAWN	N/A	0	INITIAL ISSUE FOR [DCF/DRN #]
L. VALDEZ			04/27/21
CLASSIFICATION UNCLASSIFIED D. SMITH	NO	REVISION DESCRIPTION	DATE

ENGINEERING STANDARDS	
ELECTRICAL	
HERMAN MILLER FURNITURE WIRING DIAGRAM	
TA- XX	BLDG XXXX
SHEET E-2	
Los Alamos NATIONAL LABORATORY	P.O. Box 1663 Los Alamos, New Mexico 87545
PROJECT ID CHAPTER 7	DRAWING NO ST-D5020-2.2
REV 0	