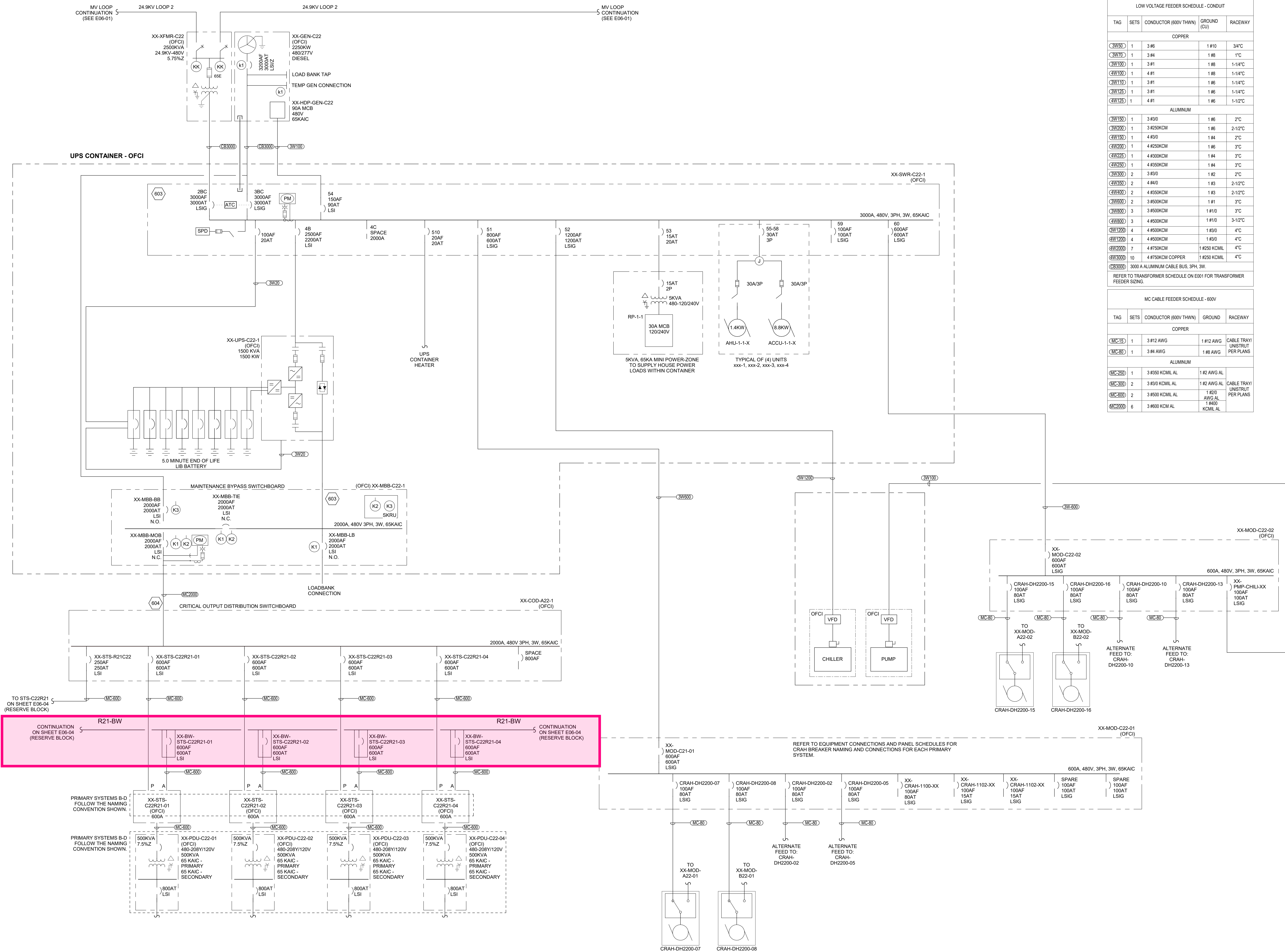


3/14/2025 11:45:53 AM E06-21.1 ONE-LINE - PRIMARY BLOCK C22

1 ONE-LINE DIAGRAM - MV
12" = 1'-0"



CORGAN

AG & E Structural Engineering

Kimley»Horn

AHA

TD DESIGN CONSULTING LLC

ISSUES

1 03.14.2025 DESIGN DEVELOPMENT

REVISIONS

Date of issue:
03.14.2025

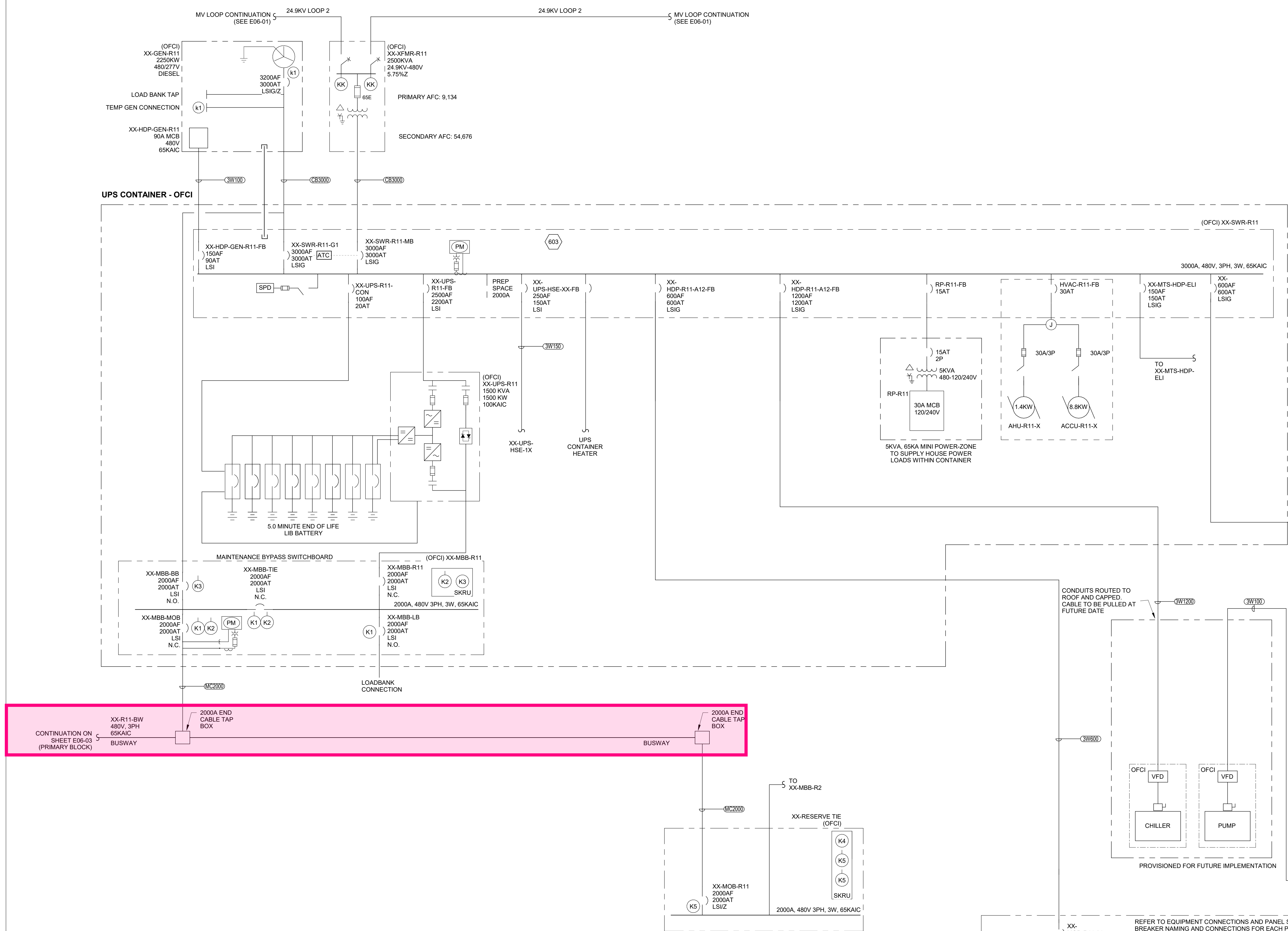
FTW1 DC1 EXP.
CORE AND SHELL

14100 PARK VISTA BLVD
FORT WORTH, TX 76177

ONE-LINE -
PRIMARY BLOCK
C22

JOB WFXQ9202
DATE 03.14.2025
SHEET

E06-21.1



LOW VOLTAGE FEEDER SCHEDULE - CONDUIT				
TAG	SETS	CONDUCTOR (800V THWN)	GROUND (CU)	RACEWAY
COPPER				
CW350	1	3 #6	1 #10	3/4"
CW370	1	3 #4	1 #8	1"
CW100	1	3 #11	1 #6	1-1/4"
CW100	1	4 #11	1 #8	1-1/4"
CW110	1	3 #11	1 #6	1-1/4"
CW125	1	3 #11	1 #6	1-1/4"
CW125	1	4 #11	1 #6	1-1/2"
ALUMINUM				
CW150	1	3 #3/0	1 #6	2"
CW200	1	3 #250KCM	1 #6	2-1/2"
CW150	1	4 #3/0	1 #4	2"
CW200	1	4 #250KCM	1 #6	3"
CW225	1	4 #300KCM	1 #4	3"
CW250	1	4 #350KCM	1 #4	3"
CW300	2	3 #3/0	1 #2	2"
CW350	2	4 #4/0	1 #3	2-1/2"
CW400	2	4 #500KCM	1 #3	2-1/2"
CW600	2	3 #500KCM	1 #1	3"
CW800	3	3 #500KCM	1 #1/0	3"
CW800	3	4 #500KCM	1 #1/0	3-1/2"
GW1200	4	4 #500KCM	1 #3/0	4"
GW1200	4	4 #500KCM	1 #3/0	4"
CW2000	7	4 #750KCM	1 #250 KCMIL	4"
CW2000	10	4 #750KCM COPPER	1 #250 KCMIL	4"
CS3000	3000 A ALUMINUM CABLE BUS, 3PH, 3W.			
REFER TO TRANSFORMER SCHEDULE ON E001 FOR TRANSFORMER FEEDER SIZING.				
MC CABLE FEEDER SCHEDULE - 600V				
TAG	SETS	CONDUCTOR (800V THWN)	GROUND	RACEWAY
COPPER				
MC-15	1	3 #12 AWG	1 #12 AWG	CABLE TRAY / UNISTRUT PER PLANS
MC-30	1	3 #4 AWG	1 #6 AWG	
ALUMINUM				
MC-250	1	3 #350 KCMIL AL	1 #2 AWG AL	CABLE TRAY / UNISTRUT PER PLANS
MC-300	2	3 #500 KCMIL AL	1 #2 AWG AL	
MC-600	2	3 #600 KCMIL AL	1 #20 AWG AL	
MC2000	6	3 #500 KCMIL AL	1 #40 KCMIL AL	

MC CABLE FEEDER SCHEDULE - 600V				
TAG	SETS	CONDUCTOR (600V THWN)	GROUND	RAVEWAY
COPPER				
MC-15	1	3 #12 AWG	1 #12 AWG	CABLE TRAY/ UNISTRUT PER PLANS
MC-80	1	3 #4 AWG	1 #8 AWG	
ALUMINUM				
MC-350	1	3 #350 KCMIL AL	1 #2 AWG AL	CABLE TRAY/ UNISTRUT PER PLANS
MC-300	2	3 #50 KCMIL AL	1 #2 AWG AL	
MC-200	2	3 #500 KCMIL AL	1 #20 AWG AL	
MC-2000	6	3 #600 KCM AL	1 #400 KCMIL AL	

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1	03.14.2025	DESIGN DEVELOPMENT
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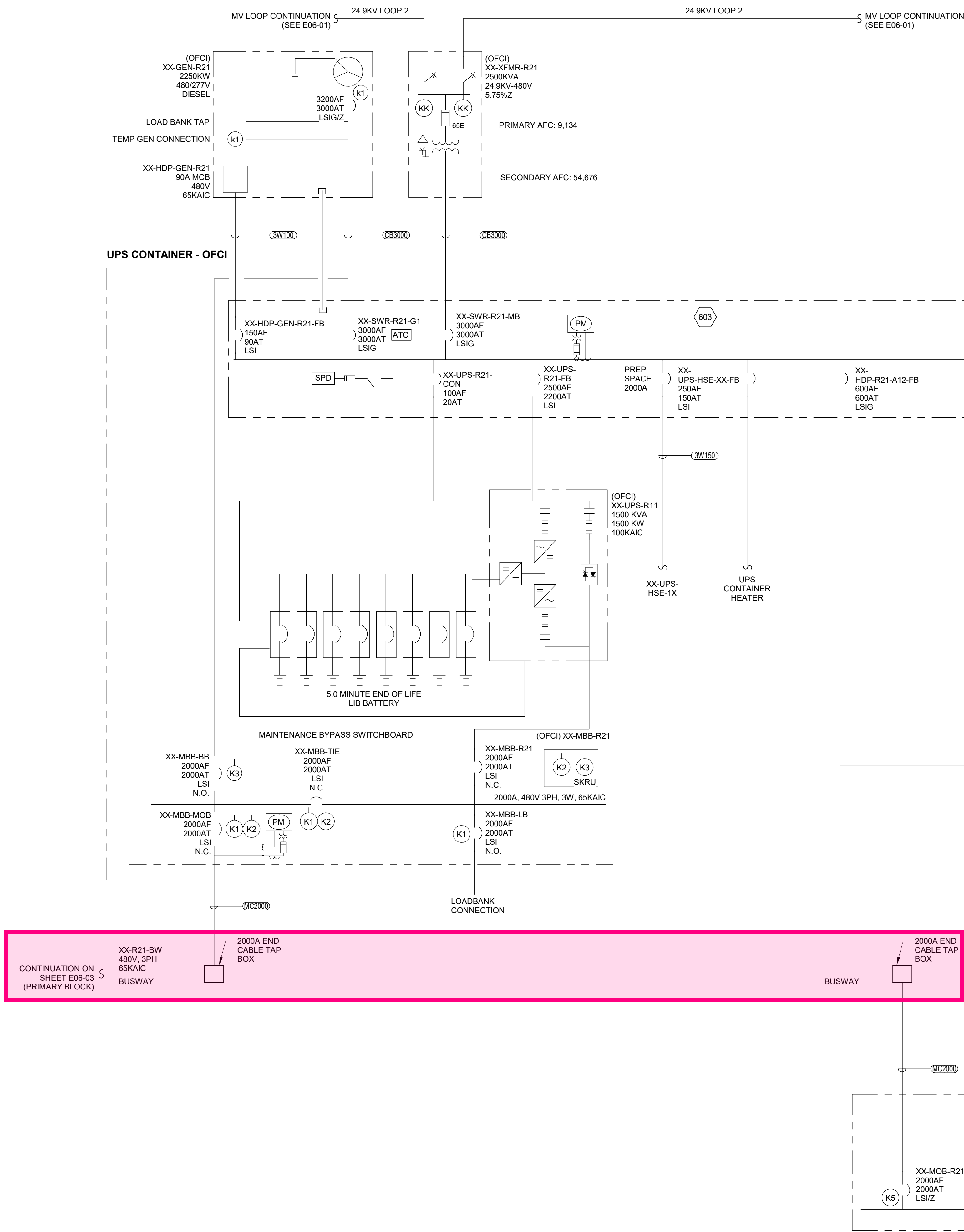
FTW1 DC1 EXP. CORE AND SHELL

114100 PARK VISTA BLVD
FORT WORTH, TX 76177

ONE-LINE -
RESERVE BLOCK
R11

JOB WFXQ9202
DATE 03.14.2025
SHEET

E06-22.1



LOW VOLTAGE FEEDER SCHEDULE - CONDUIT				
TAG	SETS	CONDUCTOR (800V THWN)	GROUND (CU)	RACEWAY
COPPER				
3W150	1	3 #6	1 #10	3/4"
3W170	1	3 #4	1 #8	1"
3W100	1	3 #1	1 #8	1-1/4"
4W100	1	4 #1	1 #8	1-1/4"
3W110	1	3 #1	1 #8	1-1/4"
3W125	1	3 #1	1 #8	1-1/4"
4W125	1	4 #1	1 #8	1-1/2"
ALUMINUM				
3W150	1	3 #30	1 #6	2"
3W200	1	3 #250KCM	1 #6	2-1/2"
4W150	1	4 #30	1 #4	2"
4W200	1	4 #250KCM	1 #6	3"
4W225	1	4 #300KCM	1 #4	3"
4W250	1	4 #350KCM	1 #4	3"
3W300	2	3 #30	1 #2	2"
4W350	2	4 #40	1 #3	2-1/2"
4W400	2	4 #350KCM	1 #3	2-1/2"
3W800	2	3 #500KCM	1 #1	3"
4W800	3	4 #500KCM	1 #10	3-1/2"
3W1200	4	4 #500KCM	1 #30	4"
4W1200	4	4 #500KCM	1 #30	4"
4W2000	7	4 #750KCM	1 #250 KCMIL	4"
4W3000	10	4 #750KCM COPPER	1 #250 KCMIL	4"
CS3000	3000 A ALUMINUM CABLE BUS, 3PH, 3W.			
REFER TO TRANSFORMER SCHEDULE ON E001 FOR TRANSFORMER FEEDER SIZING.				
MC CABLE FEEDER SCHEDULE - 600V				
TAG	SETS	CONDUCTOR (800V THWN)	GROUND	RACEWAY
COPPER				
MC15	1	3 #12 AWG	1 #12 AWG	CABLE TRAY/ UNISTRUT PER PLANS
MC30	1	3 #4 AWG	1 #8 AWG	CABLE TRAY/ UNISTRUT PER PLANS
ALUMINUM				
MC250	1	3 #350 KCMIL AL	1 #2 AWG AL	CABLE TRAY/ UNISTRUT PER PLANS
MC300	2	3 #30 KCMIL AL	1 #2 AWG AL	CABLE TRAY/ UNISTRUT PER PLANS
MC600	2	3 #500 KCMIL AL	1 #20 AWG AL	CABLE TRAY/ UNISTRUT PER PLANS
MC2000	6	3 #600 KCM AL	1 #400 KCMIL AL	CABLE TRAY/ UNISTRUT PER PLANS

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FTW1 DC1 EXP.
CORE AND SHELL

14100 PARK VISTA BLVD
FORT WORTH, TX 76177

ONE-LINE -
RESERVE BLOCK
R21

JOB WFXQ9202
DATE 03.14.2025
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E06-23.1