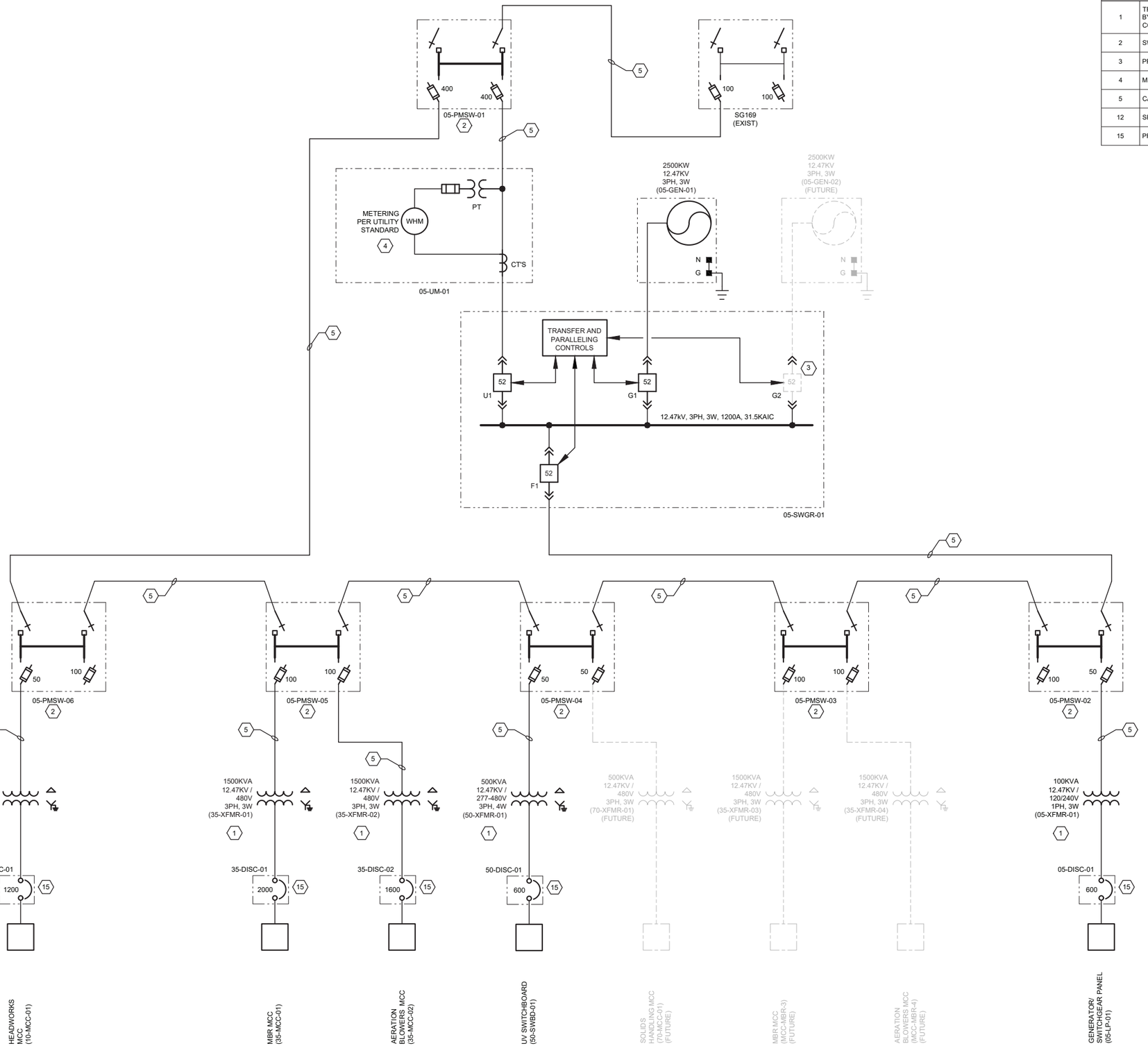
SHEET KEYNOTES

1	TRANSFORMER SUPPLIED BY SPANISH FORK POWER AND LIGHT FOR INSTALLATION BY CONTRACTOR. SPANISH FORK POWER AND LIGHT TO MAKE ALL PRIMARY CONNECTIONS TO TRANSFORMERS.
2	SWITCH SUPPLIED AND INSTALLED BY SPANISH FORK POWER AND LIGHT.
3	PROVIDE PREPARED SPACE
4	METERING CABINET SUPPLIED BY SPANISH FORK POWER AND LIGHT
5	CABLES SUPPLIED AND INSTALLED BY SPANISH FORK POWER AND LIGHT
12	SPANISH FORK POWER AND LIGHT TO VERIFY FUSE SIZES.
15	PROVIDE SERVICE ENTRANCE RATED DEVICES



J-U-B ENGINEERS, INC.

J-U-B ENGINEERS, INC.
392. E. Winchester St., Suite 300
Salt Lake City, UT 84107
Phone: 801.547.0393
www.jub.com

Subconsultant:

Stantec
Stantec
2890 E Cottonwood Pkwy
Suite 300, Salt Lake City, Ut
84121
Tel: +1.801.617.3200
www.stantec.com

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REUSE OF DRAWINGS
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NO.	DESCRIPTION	BY	APP'L	DATE
	REVISION			

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

05 - SITE ELECTRICAL
OVERALL SINGLE LINE DIAGRAM

FILE : 55-20-124-05E-001
JUB PROJ. # : 55-20-124
DRAWN BY: KES
DESIGN BY: KES
CHECKED BY: SK

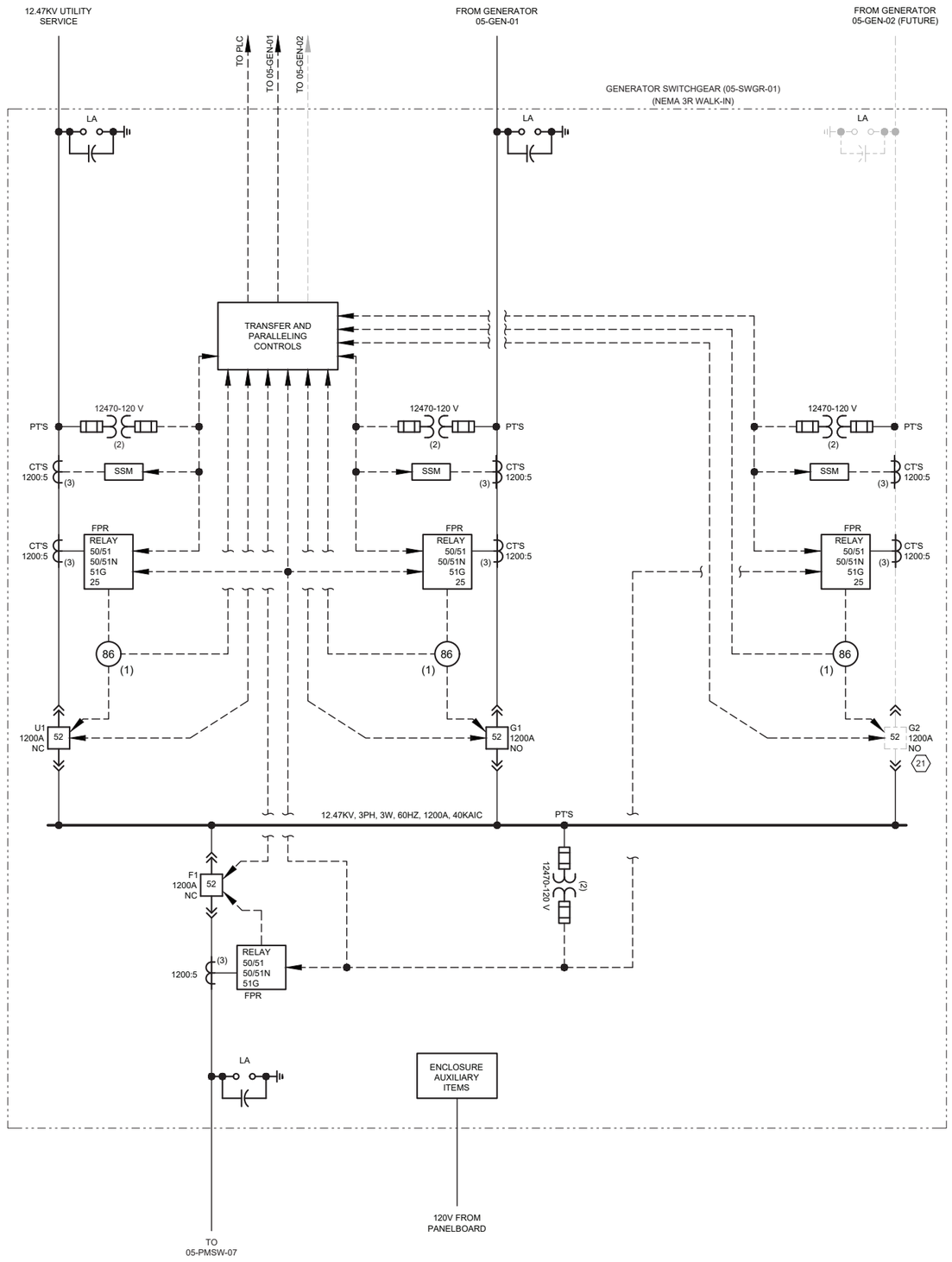
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY

LAST UPDATED: 2/10/2022

DRAWING:
05-E-001

SHEET: 583 OF 691

Plot Date:7/12022 8:40 AM Plotted By: Smith, Keith
Date Created:2/10/2022 C:\FW_WORKING\WTR\KEISMITH\D2020660\55-20-124-05E-001.DWG



SHEET KEYNOTES

21	PROVIDE SWITCHGEAR WITH PREPARED SPACE FOR FUTURE BREAKER

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J-U-B ENGINEERS, INC.
392. E. Winchester St., Suite 300
Salt Lake City, UT 84107
Phone: 801.547.0393
www.jub.com

Subconsultant:

Stantec
Stantec
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Suite 300, Salt Lake City, Ut 84121
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NO.	DESCRIPTION	BY	APP'L	DATE
	REVISION			

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

05 - SITE ELECTRICAL
GENERATOR SWITCHGEAR SINGLE LINE DIAGRAM

FILE : 55-20-124-05E-002
JUB PROJ. # : 55-20-124
DRAWN BY: KES
DESIGN BY: KES
CHECKED BY: SK

ONE INCH
AT FULL SIZE. IF NOT ONE INCH, SCALE ACCORDINGLY

LAST UPDATED: 6/14/2022

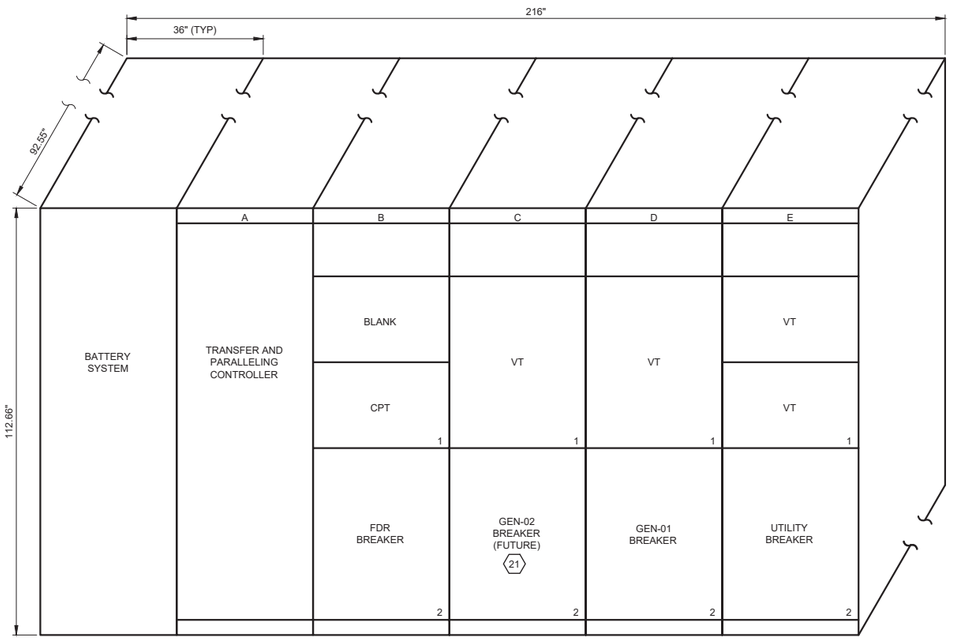
DRAWING:
05-E-002

SHEET: 584 OF 691

Plot Date:7/1/2022 8:41 AM Plotted By: Smith, Keith
Date Created:6/14/2022 C:\PW_WORKING\WTR\KESMITH\D0320560\55-20-124-05E-002.DWG

SHEET KEYNOTES

21	PROVIDE SWITCHGEAR WITH PREPARED SPACE FOR FUTURE BREAKER



GENERATOR SWITCHGEAR
(05-SWGR-01)

ENCLOSURE TO BE NEMA 3R-WALK IN
WALK-IN AISLE AND DIMENSIONS NOT SHOWN FOR CLARITY

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J-U-B ENGINEERS, INC.
392. E. Winchester St., Suite 300
Salt Lake City, UT 84107
Phone: 801.547.0393
www.jub.com

Subconsultant:

Stantec
Stantec
2890 E Cottonwood Pkwy
Suite 300, Salt Lake City, Ut
84121
Tel: +1.801.617.3200
www.stantec.com

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NO.	DESCRIPTION	BY	APR.	DATE
REVISION				

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SPANISH FORK CITY CORPORATION

05 - SITE ELECTRICAL
GENERATOR SWITCHGEAR ELEVATION

FILE : 55-20-124-05E-003
JUB PROJ. # : 55-20-124
DRAWN BY: KES
DESIGN BY: KES
CHECKED BY: SK

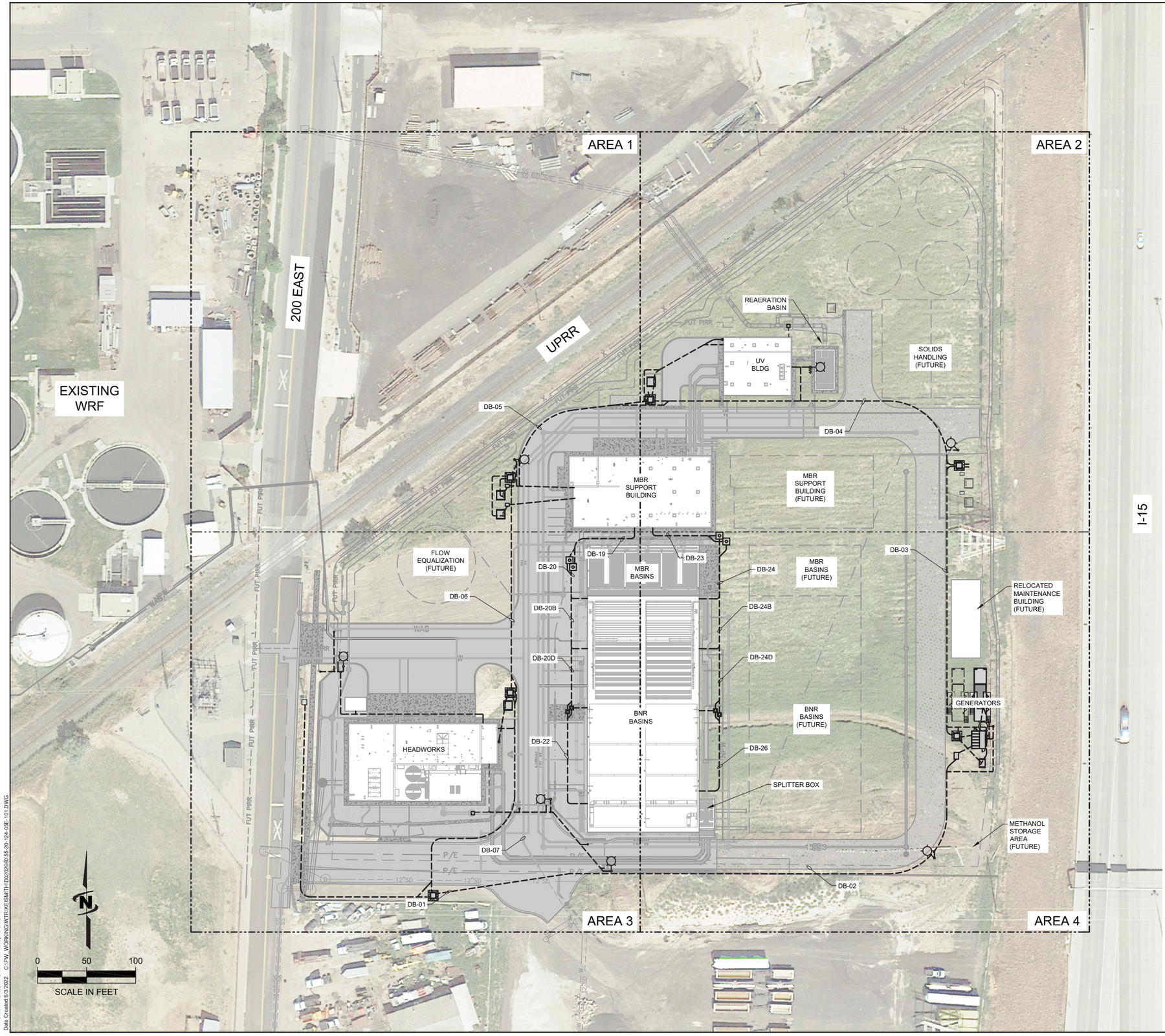
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY

LAST UPDATED: 6/14/2022

DRAWING:
05-E-003

SHEET: 585 OF 691

Plot Date:7/1/2022 8:41 AM Plotted By: Smith, Keith
Date Created:6/14/2022 C:\PW_WORKING\WTR\KEISMITH\D0202660\55-20-124-05E-003.DWG



Plot Date:7/1/2022 8:42 AM Plotted By: Smith, Keith
Date Created:6/3/2022 C:\PW_WORKING\WTR\KESMITH\D0202660\55-20-124-05E-101.DWG

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J-U-B ENGINEERS, INC.
392. E. Winchester St., Suite 300
Salt Lake City, UT 84107
Phone: 801.547.0393
www.jub.com

Subconsultant:

Stantec
Stantec
2890 E Cottonwood Pkwy
Suite 300, Salt Lake City, Ut 84121
Tel: +1.801.617.3200
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NO.	DESCRIPTION	BY	APP'D	DATE
	REVISION			

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

05 - SITE ELECTRICAL
OVERALL SITE PLAN

FILE : 55-20-124-05E-101
JUB PROJ. # : 55-20-124
DRAWN BY: KES
DESIGN BY: KES
CHECKED BY: SK

ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY

LAST UPDATED: 6/3/2022

DRAWING:
05-E-101

SHEET: 586 OF 691



SHEET KEYNOTES

6	SWITCH PROVIDED AND INSTALLED BY SPANISH FORK POWER AND LIGHT
7	TRANSFORMER PROVIDED BY SPANISH FORK POWER AND LIGHT AND INSTALLED BY CONTRACTOR
8	ALL MEDIUM VOLTAGE CABLES PROVIDED AND INSTALLED BY SPANISH FORK POWER AND LIGHT
10	SWITCH PAD TO BE PER SPANISH FORK POWER AND LIGHT DETAIL E-614
11	TRANSFORMER PAD TO BE PER SPANISH FORK POWER AND LIGHT DETAIL E-612
22	COORDINATE WITH CIVIL AND/OR CITY POWER AND LIGHT FOR DUCT BANK DEPTHS WHERE CROSSING BURIED PIPES.
23	DUCTBANK INSTALLATION SHALL COMPLY WIHT SPANISH FORK POWER AND LIGHT DETAIL E-604 AS APPROPRIATE. DUCTBANK SHALL INCLUDE A #4/0 BARE COPPER GROUND WIRE WHICH SHALL CONNECT TO THE GROUND ROD AT EACH PAD MOUNTED SWITCH.
24	PROVIDE A #4/0 BARE COPPER GROUND WIRE AND CONNECT TO GROUND ROD AT SWITCH ON ONE END AND TO GROUND ROD AT TRANSFORMER AT OTHER END.

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Salt Lake City, UT 84107
Phone: 801.547.0393
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Subconsultant:

Stantec
Stantec
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84121
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NO.	REVISION	BY	APP'D	DATE

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

05 - SITE ELECTRICAL
AREA 1 SITE PLAN

FILE : 55-20-124-05E-102
JUB PROJ. # : 55-20-124
DRAWN BY: KES
DESIGN BY: KES
CHECKED BY: SK
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY
LAST UPDATED: 6/30/2022

DRAWING:
05-E-102

SHEET: 587 OF 691

Plot Date:7/1/2022 9:24 AM Plotted By: Smith, Keith
Date Created:6/30/2022 C:\PW_WORKING\WTR\KEISMITH\D0202660\05-20-124-05E-102.DWG

MATCHLINE SHEET 05-E-102



MATCHLINE SHEET 05-E-105

SHEET KEYNOTES

6	SWITCH PROVIDED AND INSTALLED BY SPANISH FORK POWER AND LIGHT
7	TRANSFORMER PROVIDED BY SPANISH FORK POWER AND LIGHT AND INSTALLED BY CONTRACTOR
8	ALL MEDIUM VOLTAGE CABLES PROVIDED AND INSTALLED BY SPANISH FORK POWER AND LIGHT
10	SWITCH PAD TO BE PER SPANISH FORK POWER AND LIGHT DETAIL E-614
11	TRANSFORMER PAD TO BE PER SPANISH FORK POWER AND LIGHT DETAIL E-612
18	STUB AND CAP CONDUIT 5' FROM SWITCH.
22	COORDINATE WITH CIVIL AND/OR CITY POWER AND LIGHT FOR DUCT BANK DEPTHS WHERE CROSSING BURIED PIPES.
23	DUCTBANK INSTALLATION SHALL COMPLY WIHT SPANISH FORK POWER AND LIGHT DETAIL E-604 AS APPROPRIATE. DUCTBANK SHALL INCLUDE A #4/0 BARE COPPER GROUND WIRE WHICH SHALL CONNECT TO THE GROUND ROD AT EACH PAD MOUNTED SWITCH.
24	PROVIDE A #4/0 BARE COPPER GROUND WIRE AND CONNECT TO GROUND ROD AT SWITCH ON ONE END AND TO GROUND ROD AT TRANSFORMER AT OTHER END.

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Salt Lake City, UT 84107
Phone: 801.547.0393
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Subconsultant:

Stantec
Stantec
2890 E Cottonwood Pkwy
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NO.	DESCRIPTION	BY	APP'D	DATE
	REVISION			

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

05 - SITE ELECTRICAL
AREA 2 SITE PLAN

FILE : 55-20-124-05E-103
JUB PROJ. # : 55-20-124
DRAWN BY: KES
DESIGN BY: KES
CHECKED BY: SK

ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY

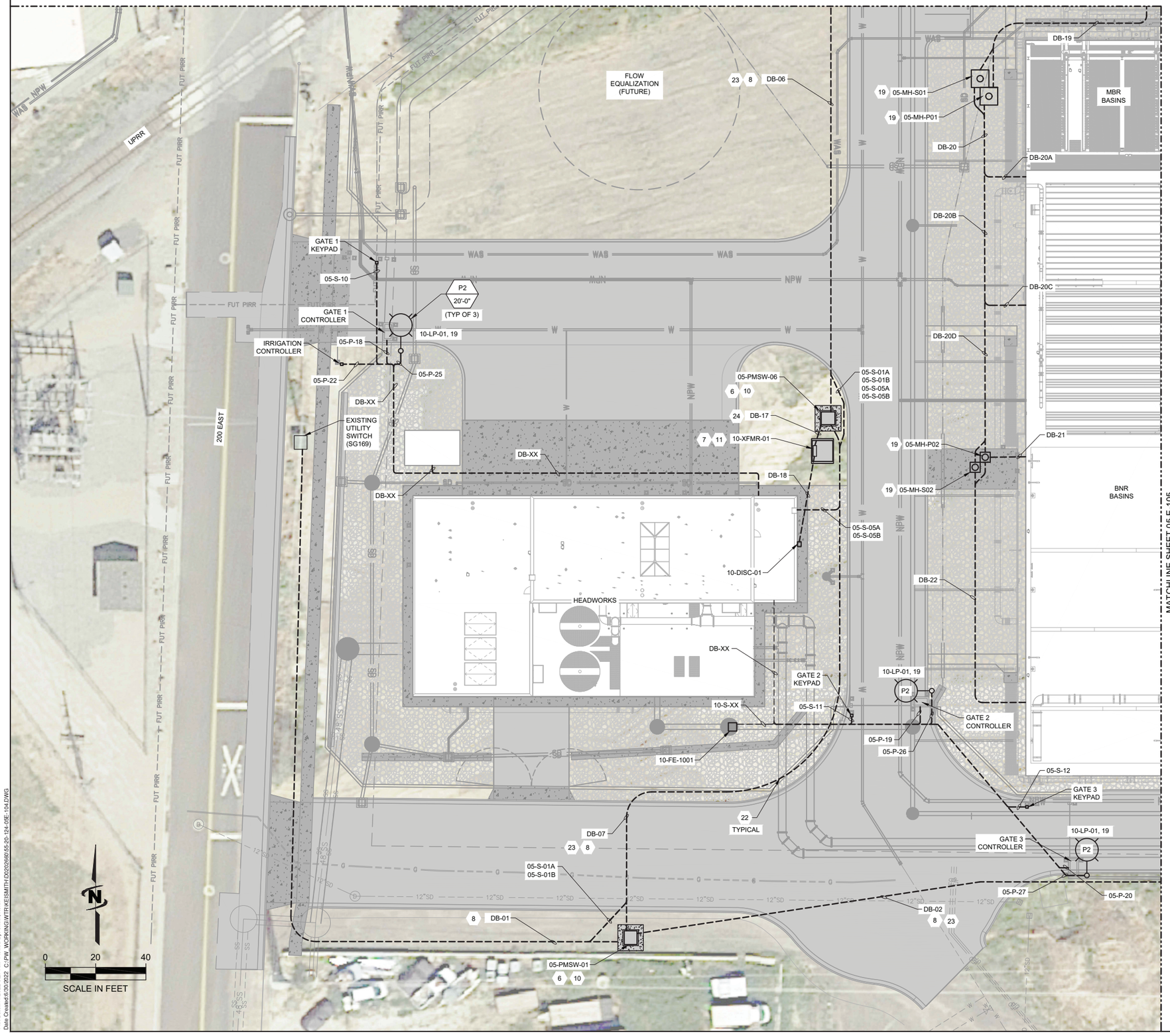
LAST UPDATED: 6/14/2022

DRAWING:
05-E-103

SHEET: 588 OF 691

Plot Date:7/1/2022 9:26 AM Plotted By: Smith, Keith
Date Created:6/14/2022 C:\PW_WORKING\WTR\KESMITH\D032260\05-20-124-05E-103.DWG

MATCHLINE SHEET 05-E-102



SHEET KEYNOTES

6	SWITCH PROVIDED AND INSTALLED BY SPANISH FORK POWER AND LIGHT
7	TRANSFORMER PROVIDED BY SPANISH FORK POWER AND LIGHT AND INSTALLED BY CONTRACTOR
8	ALL MEDIUM VOLTAGE CABLES PROVIDED AND INSTALLED BY SPANISH FORK POWER AND LIGHT
10	SWITCH PAD TO BE PER SPANISH FORK POWER AND LIGHT DETAIL E-614
11	TRANSFORMER PAD TO BE PER SPANISH FORK POWER AND LIGHT DETAIL E-612
18	STUB AND CAP CONDUIT 5' FROM SWITCH.
19	ENSURE MANHOLE LIDS ARE AT ELAST 10' FROM BASIN WALLS TO KEEP THEM OUT OF CALSSIFIED AREAS.
22	COORDINATE WITH CIVIL AND/OR CITY POWER AND LIGHT FOR DUCT BANK DEPTHS WHERE CROSSING BURIED PIPES.
23	DUCTBANK INSTALLATION SHALL COMPLY WIHT SPANISH FORK POWER AND LIGHT DETAIL E-604 AS APPROPRIATE. DUCTBANK SHALL INCLUDE A #4/0 BARE COPPER GROUND WIRE WHICH SHALL CONNECT TO THE GROUND ROD AT EACH PAD MOUNTED SWITCH.
24	PROVIDE A #4/0 BARE COPPER GROUND WIRE AND CONNECT TO GROUND ROD AT SWITCH ON ONE END AND TO GROUND ROD AT TRANSFORMER AT OTHER END.

J-U-B ENGINEERS, INC.

J-U-B ENGINEERS, INC.
392. E. Winchester St., Suite 300
Salt Lake City, UT 84107
Phone: 801.547.0393
www.jub.com

Subconsultant:

Stantec
2890 E Cottonwood Pkwy
Suite 300, Salt Lake City, Ut 84121
Tel: +1.801.617.3200
www.stantec.com

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NO.	REVISION	BY	APP'D	DATE

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

05 - SITE ELECTRICAL
AREA 3 SITE PLAN

FILE : 55-20-124-05E-104
JUB PROJ. # : 55-20-124
DRAWN BY: KES
DESIGN BY: KES
CHECKED BY: SK

ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY

LAST UPDATED: 6/30/2022

DRAWING:
05-E-104

SHEET: 589 OF 691

Plot Date:7/1/2022 9:27 AM Plotted By: Smith, Keith
Date Created:6/30/2022 C:\FW_WORKING\WTR\KEISMITH\D0202660\55-20-124-05E-104.DWG

MATCHLINE SHEET 05-E-103

MATCHLINE SHEET 05-E-104



SHEET KEYNOTES

6	SWITCH PROVIDED AND INSTALLED BY SPANISH FORK POWER AND LIGHT
7	TRANSFORMER PROVIDED BY SPANISH FORK POWER AND LIGHT AND INSTALLED BY CONTRACTOR
8	ALL MEDIUM VOLTAGE CABLES PROVIDED AND INSTALLED BY SPANISH FORK POWER AND LIGHT
9	EXTEND CONDUITS FOR FUTURE GENERATOR AT LEAST 10' FROM SWITCHGEAR. STUB AND CAP ENDS.
10	SWITCH PAD TO BE PER SPANISH FORK POWER AND LIGHT DETAIL E-614
11	TRANSFORMER PAD TO BE PER SPANISH FORK POWER AND LIGHT DETAIL E-612
13	UTILITY METERING EQUIPMENT SUPPLIED AND INSTALLED BY SPANISH FORK POWER AND LIGHT.
14	UTILITY METERING CABINET PAD SUPPLIED BY SPANISH FORK POWER AND LIGHT AND INSTALLED BY CONTRACTOR
17	ALL CONDUITS GOING TO/FROM THE GENERATOR SHALL BE RGS OR PVC COATED RGS WHERE UNDER THE GENERATOR PAD AND EXTENDING 10' BEYOND THE GENERATOR PAD.
18	STUB AND CAP CONDUIT 5' FROM SWITCH.
19	ENSURE MANHOLE LIDS ARE AT ELAST 10' FROM BASIN WALLS TO KEEP THEM OUT OF CALSSIFIED AREAS.
23	DUCTBANK INSTALLATION SHALL COMPLY WIHT SPANISH FORK POWER AND LIGHT DETAIL E-604 AS APPROPRIATE. DUCTBANK SHALL INCLUDE A #4/0 BARE COPPER GROUND WIRE WHICH SHALL CONNECT TO THE GROUND ROD AT EACH PAD MOUNTED SWITCH.
24	PROVIDE A #4/0 BARE COPPER GROUND WIRE AND CONNECT TO GROUND ROD AT SWITCH ON ONE END AND TO GROUND ROD AT TRANSFORMER AT OTHER END.

J-U-B ENGINEERS, INC.

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392. E. Winchester St., Suite 300
Salt Lake City, UT 84107
Phone: 801.547.0393
www.jub.com

Subconsultant:

Stantec
Stantec
2890 E Cottonwood Pkwy
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84121
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NO.	DESCRIPTION	BY	APP'L	DATE
	REVISION			

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

05 - SITE ELECTRICAL
AREA 4 SITE PLAN

FILE : 55-20-124-05E-105
JUB PROJ. # : 55-20-124
DRAWN BY: KES
DESIGN BY: KES
CHECKED BY: SK

ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY

LAST UPDATED: 6/30/2022

DRAWING:
05-E-105

SHEET: 590 OF 691

Plot Date:7/12/2022 9:28 AM Plotted By: Smith, Keith
Date Created:6/30/2022 C:\PW_WORKING\WTR\KESMITH\D0202656\55-20-124-05E-105.DWG

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J-U-B ENGINEERS, INC.
392. E. Winchester St., Suite 300
Salt Lake City, UT 84107
Phone: 801.547.0393
www.jub.com

Subconsultant:

Stantec
2890 E Cottonwood Pkwy
Suite 300, Salt Lake City, Ut 84121
Tel: +1.801.617.3200
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NO.	DESCRIPTION	BY	APP'I	DATE
	REVISION			

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

05 - SITE ELECTRICAL
SITE CONDUIT DEVELOPMENT - i

FILE : 55-20-124-05E-601
JUB PROJ. # : 55-20-124
DRAWN BY: KES
DESIGN BY: KES
CHECKED BY: SK

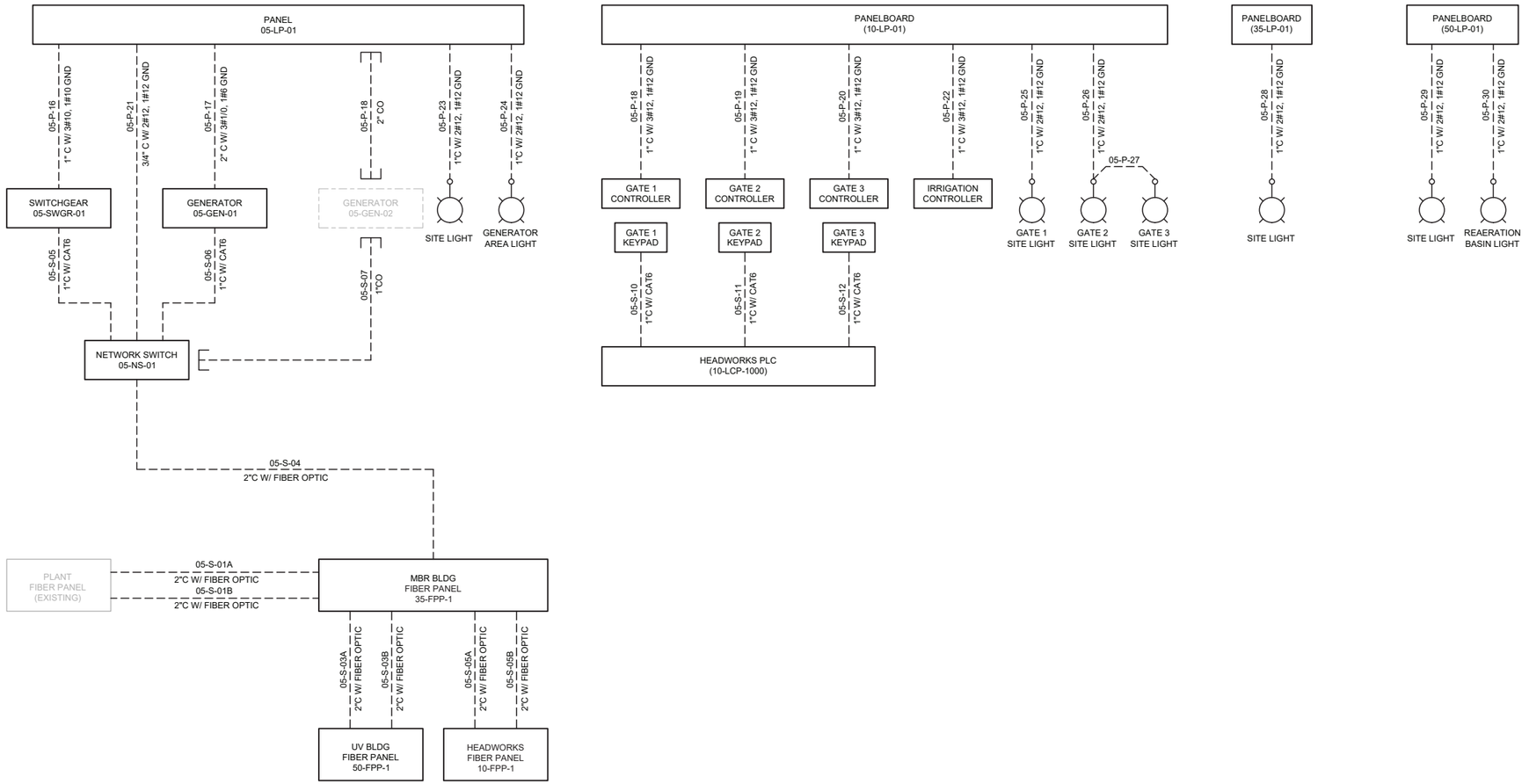
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY

LAST UPDATED: 2/10/2022

DRAWING:
05-E-601

SHEET: 591 OF 691

Plot Date:7/1/2022 9:02 AM Plotted By: Smith, Keith
Date Created:2/10/2022 C:\PW_WORKING\WTR\KEISMITH.D0202686\05-20-124-05E-601.DWG



J-U-B ENGINEERS, INC.

J-U-B ENGINEERS, INC.
392. E. Winchester St., Suite 300
Salt Lake City, UT 84107
Phone: 801.547.0393
www.jub.com

Subconsultant:

Stantec
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NO.	DESCRIPTION	BY	APP'D	DATE
	REVISION			

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

05 - SITE ELECTRICAL
SITE CONDUIT DEVELOPMENT - II

FILE : 55-20-124-05E-602
JUB PROJ. # : 55-20-124
DRAWN BY: KES
DESIGN BY: KES
CHECKED BY: SK

ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY

LAST UPDATED: 5/20/2022

DRAWING:
05-E-602

SHEET: 592 OF 691

Plot Date:7/1/2022 9:53 AM Plotted By: Smith, Keith
Date Created:5/20/2022 C:\PW_WORKING\WTR\KEISMITH\D0202660\05-20-124-05E-602.DWG

DUCTBANK SCHEDULE

TAG	FROM	TO	CONDUIT/CABLES
DB-01	SG-169	05-PMSW-01	05-P-01A, 05-P-01B
DB-02	05-PMSW-01	05-UM-01	05-P-02A, 05-P-02B
DB-03	05-PMSW-02	05-PMSW-03	05-P-06A, 05-P-06B
	05-NS-01	DB-4	05-S-04
DB-04	05-PMSW-03	05-PMSW-04	05-P-07A, 05-P-07B
	DB-3	DB-5	05-S-04
DB-05	05-PMSW-04	05-PMSW-05	05-P-09A, 05-P-09B
	DB-13	DB-15	05-S-03A, 05-S-03B
	DB-4	DB-15	05-S-04
DB-06	05-PMSW-05	05-PMSW-06	05-P-11A, 05-P-11B
	DB-15	DB-07	05-S-01A, 05-S-01B, 05-S-05A, 05-S-05B
DB-07	05-PMSW-06	05-PMSW-01	05-P-13A, 05-P-13B
	DB-06	DB-01	05-S-01A, 05-S-01B
		HW BLDG	05-S-05A, 05-S-05B
DB-08	05-UM-01	05-SWGR-01	05-P-03A, 05-P-03B
DB-09	05-SWGR-01	05-PMSW-02	05-P-04A, 05-P-04B
DB-10	05-PMSW-03	05-XFMR-01	05-P-05
DB-11	05-SWGR-01	05-GEN-01	05-P-14, 05-S-08
DB-12	05-PMSW-04	50-XFMR-01	05-P-08
DB-13	50-XFMR-01	50-DISC-01	50-P-01A, 50-P-01B, 50-P-01C, 50-P-01D
	DB-05	UV BLDG	05-S-03A, 05-S-03B
DB-14	05-PMSW-05	35-XFMR-01	05-P-10A
		35-XFMR-02	05-P-10BB
DB-15	35-DISC-01	35-MCC-01	35-P-02A, 35-P-02B, 35-P-02C, 35-P-02D, 35-P-02E, 35-P-02F
	MBR SUPPORT BLDG	DB-05	05-S-03A, 05-S-03B, 05-S-04
		DB-06	05-S-01A, 05-S-01B, 05-S-05A, 05-S-05B
DB-16	35-DISC-02	35-MCC-02	35-P-04A, 35-P-04B, 35-P-04C, 35-P-04D, 35-P-04E
DB-17	05-PMSW-06	10-XFMR-01	05-P-12
DB-18	10-XFMR-01	10-DISC-01	10-P-01A, 10-P-01B, 10-P-01C, 10-P-01D
DB-19	MBR SUPT BLDG	05-MH-P01	20-P-01A, 20-P-02A, 20-P-03A, 20-P-04A, 20-P-05A, 20-P-22A, 20-P-23A, 20-P-26A, 20-C-01A, 20-C-02A, 20-C-03A, 20-C-04A, 20-C-05A, 20-C-28A
		05-MH-S01	20-S-01A, 20-S-02A, 20-S-15A
DB-20	05-MH-P01	DB-20A, DB-20B	20-P-01B, 20-P-02B, 20-P-03B, 20-P-04B, 20-P-05B, 20-P-05C, 20-P-05D, 20-P-22B, 20-P-23B, 20-P-26B, 20-C-01B, 20-C-02B, 20-C-03B, 20-C-04B, 20-C-05B, 20-C-05C, 20-C-05D, 20-C-28B
	05-MH-S01		20-S-01B, 20-S-02B, 20-S-02C, 20-S-02D, 20-S-02E
DB-20A	DB-20	BNR/MBR BASINS	
			20-S-15B
DB-20B	DB-20	DB-20C, DB-20D	20-P-01B, 20-P-02B, 20-P-03B, 20-P-04B, 20-P-05B, 20-P-05C, 20-P-05D, 20-P-22B, 20-P-23B, 20-P-26B, 20-C-01B, 20-C-02B, 20-C-03B, 20-C-04B, 20-C-05B, 20-C-05C, 20-C-05D, 20-C-28B
			20-S-01B, 20-S-02B, 20-S-02C, 20-S-02D, 20-S-02E, 20-S-15B
DB-20C	DB-20B	BNR BASINS	20-P-22B, 20-P-23B, 20-P-26B, 20-C-05B, 20-C-05C, 20-C-05D, 20-C-28B
			20-S-01B, 20-S-02B, 20-S-02C, 20-S-02D, 20-S-02E, 20-S-15B
DB-20D	DB-20B	05-MH-P02	20-P-01B, 20-P-02B, 20-P-03B, 20-P-04B, 20-C-01B, 20-C-02B, 20-C-03B, 20-C-04B
		05-MH-S02	20-S-01B
DB-21	05-MH-P02	BNR BASINS	20-P-02C, 20-P-03C, 20-P-03D, 20-P-04C, 20-P-04E, 20-C-01D, 20-C-02C, 20-C-02D, 20-C-03C, 20-C-03E20-C-04C, 20-S-01E
	05-MH-S02		20-S-01E
DB-22	05-MH-P02	BNR BASINS	20-P-01C, 20-P-01D, 20-P-01E, 20-P-02C, 20-P-04D, 20-C-01C, 20-C-04D
	05-MH-S02		20-S-01C, 20-S-01D

DUCTBANK SCHEDULE

TAG	FROM	TO	CONDUIT/CABLES
DB-23	MBR SUPT BLDG	05-MH-P03	20-P-06A, 20-P-07A, 20-P-08A, 20-P-09A, 20-P-10A, 20-P-24A, 20-P-25A, 20-P-27A, 20-C-06A, 20-C-07A, 20-C-08A, 20-C-09A, 20-C-10A, 20-C-29A
		05-MH-S03	20-S-03A, 20-S-04A, 20-S-16A
DB-24 (20)	05-MH-P03	DB-24A, DB-24B	20-P-06B, 20-P-07B, 20-P-08B, 20-P-09B, 20-P-10B, 20-P-10C, 20-P-10D, 20-P-24B, 20-P-25B, 20-P-27B, 20-C-06B, 20-C-07B, 20-C-08B, 20-C-09B, 20-C-10B, 20-C-10C, 20-C-10D, 20-C-29B
	05-MH-S03		20-S-03B, 20-S-04B, 20-S-04C, 20-S-04D, 20-S-04E, 20-S-16B
DB-24A	DB-24	BNR/MBR BASINS	
DB-24B (20)	DB-24	DB-24C, DB-24D	20-P-06B, 20-P-07B, 20-P-08B, 20-P-09B, 20-P-10B, 20-P-10C, 20-P-10D, 20-P-21B, 20-P-24B, 20-P-25B, 20-P-27B, 20-C-06B, 20-C-07B, 20-C-08B, 20-C-09B, 20-C-10B, 20-C-10C, 20-C-10D, 20-C-29B
			20-S-03B, 20-S-04B, 20-S-04C, 20-S-04D, 20-S-04E, 20-S-16B
DB-24C	DB-24B	BNR BASINS	20-P-10B, 20-P-10C, 20-P-10D, 20-P-27B, 20-C-10B, 20-C-10C, 20-C-10D
			20-S-04B, 20-S-04C, 20-S-04D, 20-S-04E
DB-24D (20)	DB-24B	05-MH-P04	20-P-06B, 20-P-07B, 20-P-08B, 20-P-09B, 20-P-21B, 20-P-24B, 20-P-25B, 20-C-06B, 20-C-07B, 20-C-08B, 20-C-09B, 20-C-27B, 20-C-29B
		05-MH-S04	20-S-03B, 20-S-14B, 20-S-16B
DB-25	05-MH-P04	BNR BASINS	20-P-07D, 20-P-08C, 20-P-08D, 20-P-09C, 20-P-09E, 20-C-06D, 20-C-07C, 20-C-07D, 20-C-08C, 20-C-08E, 20-C-09D
	05-MH-S04		20-S-03E
DB-26 (20)	05-MH-P04	BNR BASINS	20-P-06C, 20-P-06D, 20-P-06E, 20-P-07C, 20-P-09D, 20-C-06C, 20-C-08D, 20-C-09C
	05-MH-S04		20-S-03C, 20-S-03D

PULLBOX/MANHOLE SCHEDULE

TAG	INSIDE DIMENSIONS LxWxH	COVER
05-MH-P01	6'x6'x7'	"POWER"
05-MH-P02	3'x3'x3'	"POWER"
05-MH-P03	6'x6'x7'	"POWER"
05-MH-P04	3'x3'x3'	"POWER"
05-MH-S01	6'x6'x7'	"SIGNAL"
05-MH-S02	3'x3'x3'	"SIGNAL"
05-MH-S03	6'x6'x7'	"SIGNAL"
05-MH-S04	3'x3'x3'	"SIGNAL"

SHEET KEYNOTES

20	PROVIDE 100% SPARES IN THESE DUCTBANKS FOR USE IN FUTURE MBR AND BNR BASINS. WHERE CONDUITS EXTEND FROM DUCTBANK TO BASIN, STUB AND CAP THE DUPLICATE CONDUIT(S) AT THAT APPROXIMATE LOCATION. PROVIDE A UNIQUE IDENTIFIER TO EACH SPARE CONDUIT AND CLEARLY MARK THE CONDUIT AT BOTH ENDS.

PANELBOARD: 05-LP-01 **BUS AMPS:** 600 **VOLTS:** 240/120
LOCATION: OUTSIDE **MAIN BKR AMPS:** 400 **PHASE:** 1
MOUNTING: SURFACE **WIRE:** 3

LOAD DESCRIPTION	KVA A	KVA B	CKT	BKR	BKR	CKT	KVA A	KVA B	LOAD DESCRIPTION
05-SWGR-01	4.0		1	20	100/2P	2	12.5		05-GEN-01
SITE LIGHTS		0.08	3	20		4		12.5	-
SPARE	0.0		5	20	100/2P	6	12.5		05-GEN-02 (FUT)
SPARE		0.0	7	20		8		12.5	-
SPARE	0.0		9	20	20	10	0.0		SPARE
SPARE		0.0	11	20		12		0.0	SPARE
SPARE	0.0		13	20	20	14	0.0		SPARE
SPARE		0.0	15	20		16		0.0	SPARE
SPARE	0.0		17	20	20	18	0.0		SPARE
SPARE		0.0	19	20	20	20		0.0	SPARE
SPARE	0.0		21	20	20	22	0.0		SPARE
SPARE		0.0	23	20	20	24		0.0	SPARE
	4.0	0.08	TOTAL				25.0	25.0	
	PHASE LOAD		TOTAL LOAD						
	29.0	25.08	54.1 KVA		225.3 A				

J-U-B ENGINEERS, INC.
J-U-B ENGINEERS, INC.
392. E. Winchester St., Suite 300
Salt Lake City, UT 84107
Phone: 801.547.0393
www.jub.com

Subconsultant:
Stantec
Stantec
2890 E Cottonwood Pkwy
Suite 300, Salt Lake City, Ut 84121
Tel: +1.801.617.3200
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NO.	DESCRIPTION	BY	APP.	DATE
	REVISION			

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

05 - SITE ELECTRICAL
SITE SCHEDULES

FILE : 55-20-124-05E-603
JUB PROJ. # : 55-20-124
DRAWN BY: KES
DESIGN BY: KES
CHECKED BY: SK
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY
LAST UPDATED: 7/5/2022

DRAWING:
05-E-603

SHEET: 593 OF 691

Plot Date:7/6/2022 8:32 AM Plotted By: Smith, Keith
Date Created:7/5/2022 C:\PW_WORKING\WTR\KEISMITH\D0202860\05-20-124-05E-603.DWG

10-MCC-01

10-MCC-01

J-U-B ENGINEERS, INC.

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392 E. Winchester St., Suite 300
Salt Lake City, UT 84107
Phone: 801.547.0393
www.jub.com

Subconsultant:

Stantec

Stantec
2890 E Cottonwood Pkwy
Suite 300, Salt Lake City, Ut
84121
Tel: +1.801.617.3200
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NO.	DESCRIPTION	BY	APP'D	DATE
	REVISION			

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

10 - HEADWORKS
SINGLE LINE DIAGRAM - I

FILE :	55-20-124-10E-001
JUB PROJ. # :	55-20-124
DRAWN BY:	KES
DESIGN BY:	KES
CHECKED BY:	SK

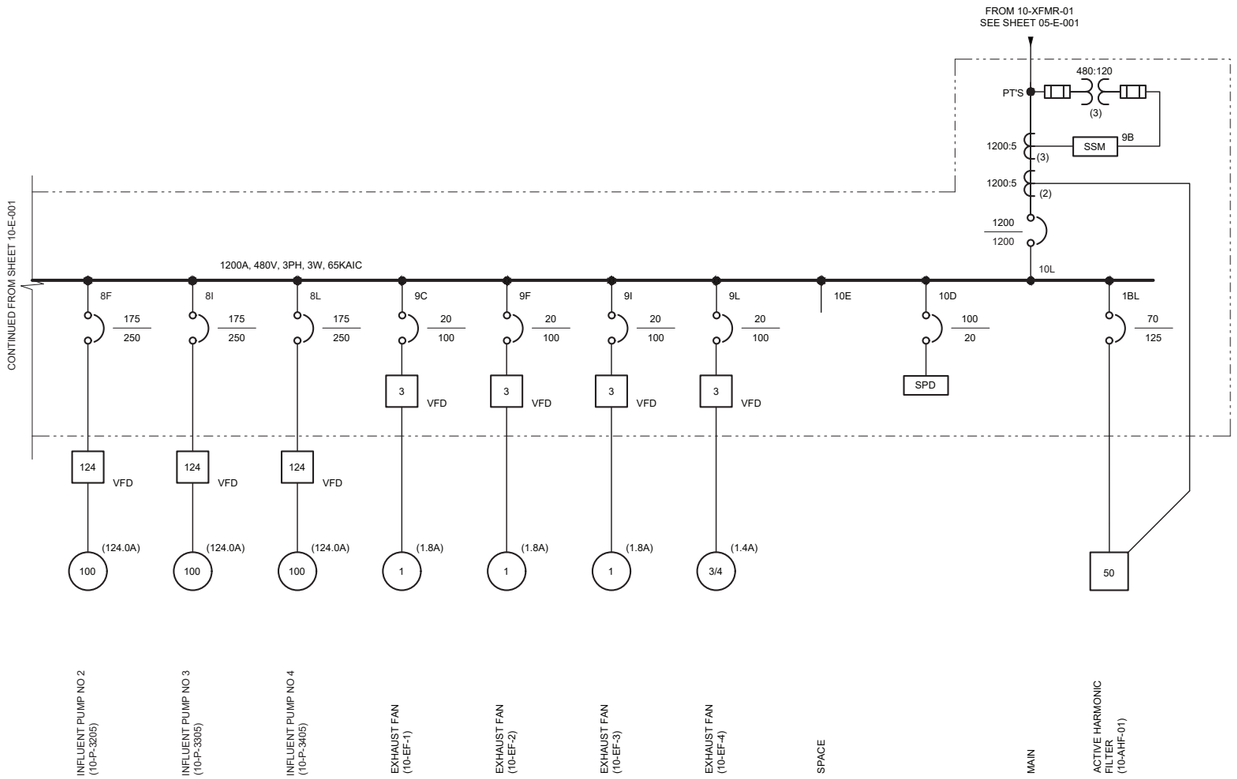
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY

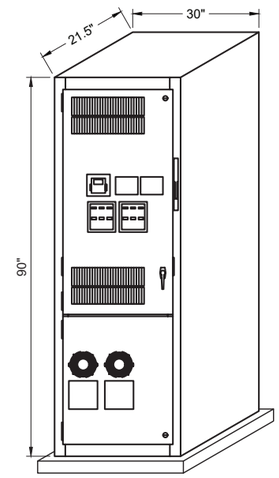
LAST UPDATED: 7/6/2022

DRAWING:
10-E-001

SHEET: 594 OF 691

Plot Date:7/6/2022 5:19 PM Plotted By: Datas, Tejashree
Date Created:7/6/2022 C:\PW_WORKING\WTR\TDATAS\D02026\155-20-124-10E-001.DWG

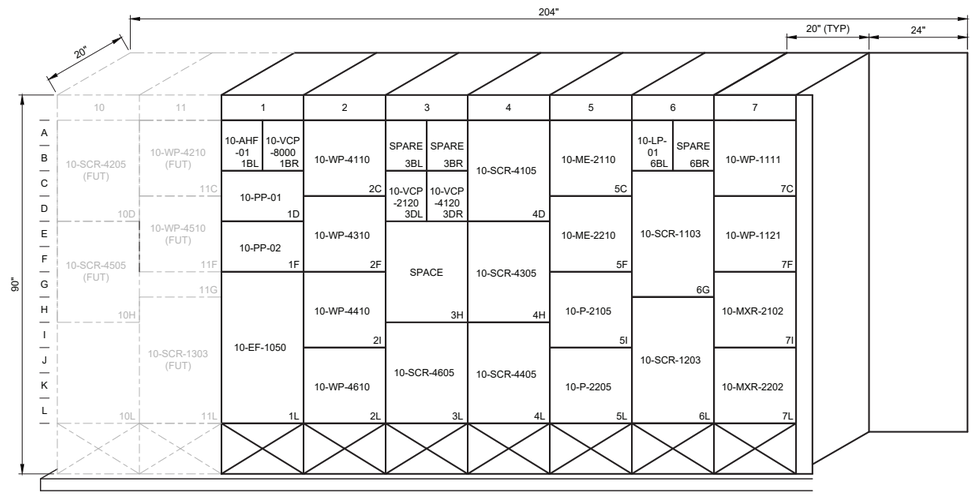




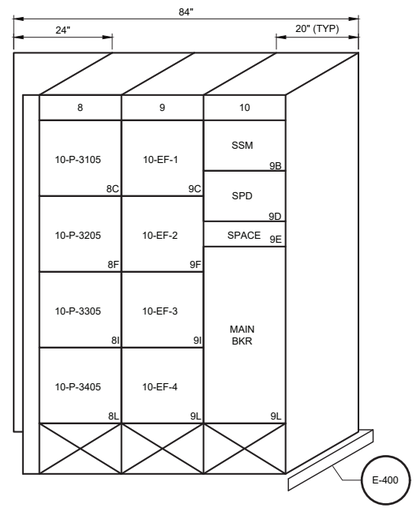
VFD (100 HP) ELEVATION

DIMENSIONS BASED ON
EATON "CPX" SERIES VFD

10-MCC-01



10-MCC-01 ELEVATION (LEFT SIDE)



10-MCC-01 ELEVATION (RIGHT SIDE)

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J-U-B ENGINEERS, INC.
392. E. Winchester St., Suite 300
Salt Lake City, UT 84107
Phone: 801.547.0393
www.jub.com

Subconsultant:

Stantec

Stantec
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Tel: +1.801.617.3200
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NO.	DESCRIPTION	BY	APP'D	DATE
	REVISION			

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

10 - HEADWORKS
SINGLE LINE DIAGRAM - II

FILE : 55-20-124-10E-002
JUB PROJ. # : 55-20-124
DRAWN BY: KES
DESIGN BY: KES
CHECKED BY: SK

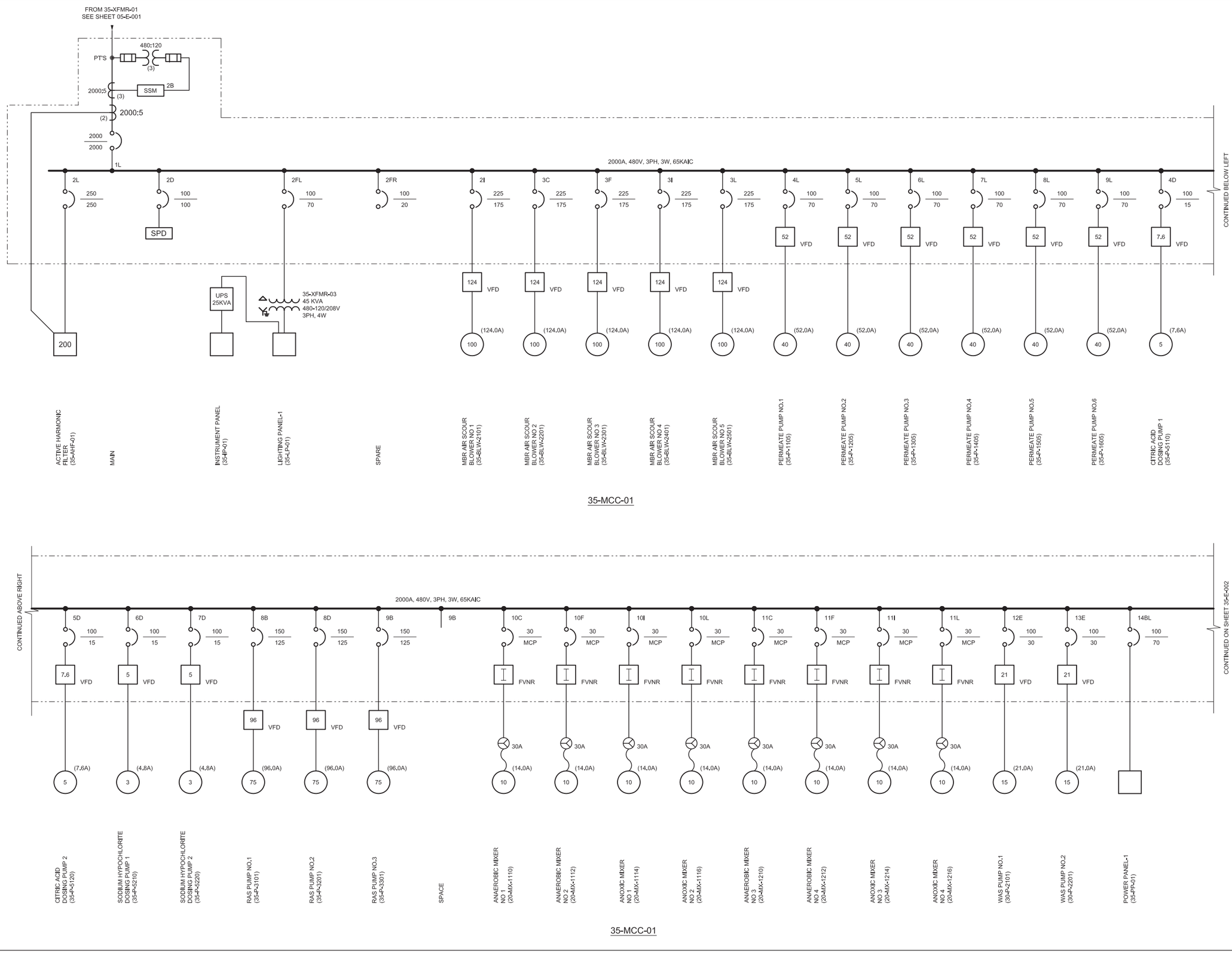
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY

LAST UPDATED: 7/6/2022

DRAWING:
10-E-002

SHEET: 595 OF 691

Plot Date:7/6/2022 5:19 PM Plotted By: Dadas, Tejashree
Date Created:7/6/2022 C:\PW_WORKING\WTR\TDADAS\D0202661\55-20-124-10E-002.DWG



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J-U-B ENGINEERS, INC.
392 E. Winchester St, Suite 300
Salt Lake City, UT 84107
Phone: 801.547.0393
www.jub.com

Subconsultant:

Stantec
Stantec
2890 E Cottonwood Pkwy
Suite 300, Salt Lake City, Ut
84121
Tel: +1.801.617.3200
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REUSE OF DRAWINGS
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NO.	DESCRIPTION	BY	APPL.	DATE
	REVISION			

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

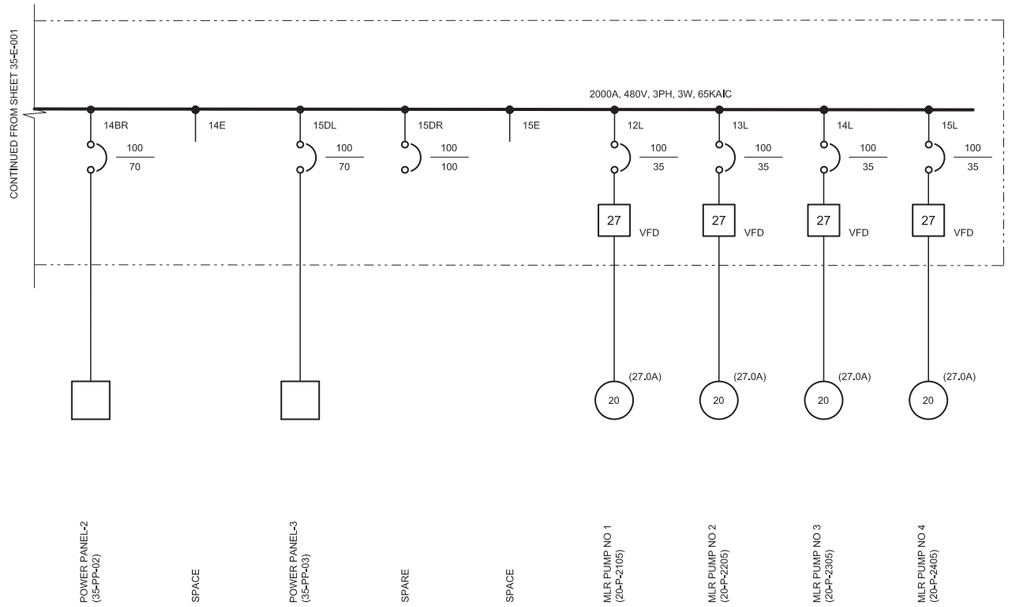
35 - MBR SUPPORT BUILDING
SINGLE LINE DIAGRAM - I

FILE: 55-20-124-35E-001
JUB PROJ. #: 55-20-124
DRAWN BY: KES
DESIGN BY: KES
CHECKED BY: SK
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY
LAST UPDATED: 7/6/2022

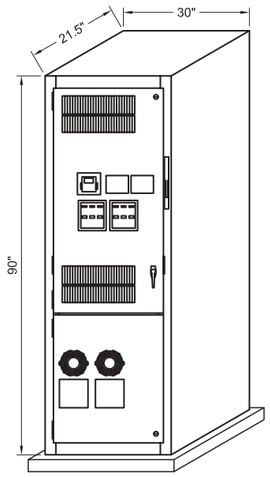
DRAWING:
35-E-001

SHEET: 646 OF 691

Plot Date:7/6/2022 5:51 PM, Plotted By:Mulk, Suchita
Date Created:7/6/2022 C:\FW_WORKING\WTR\SMULK\D0202662\55-20-124-35E-001.DWG

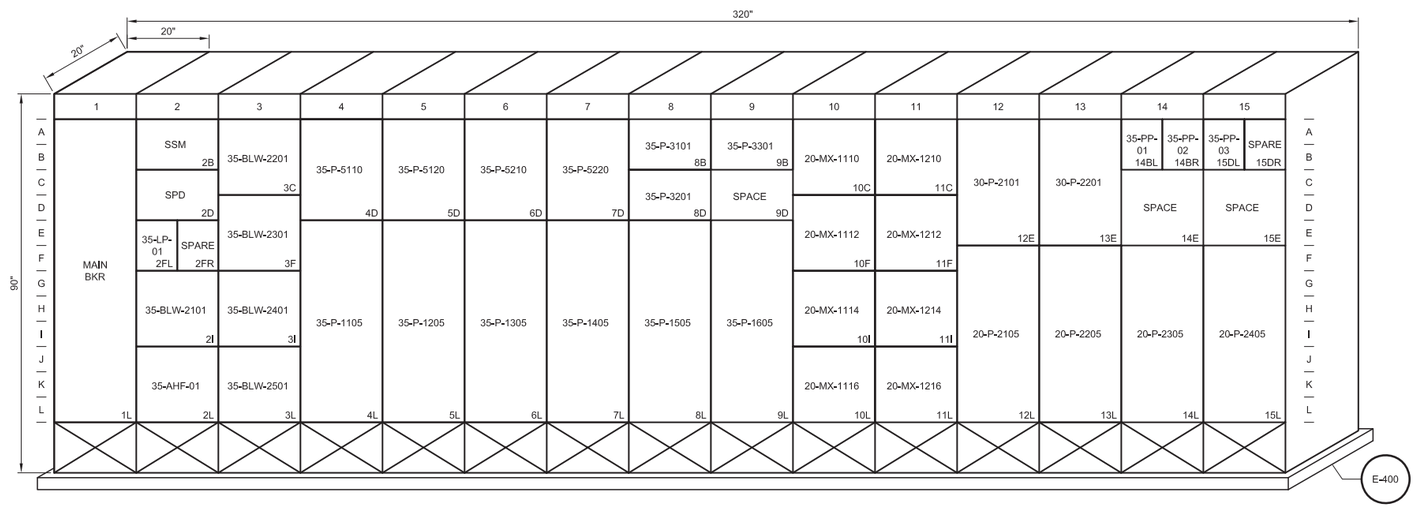


35-MCC-01



VFD (75 AND 100 HP) ELEVATION

DIMENSIONS BASED ON
EATON "CPX" SERIES VFD



35-MCC-01 ELEVATION

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J-U-B ENGINEERS, INC.
392 E. Winchester St., Suite 300
Salt Lake City, UT 84107
Phone: 801.547.0393
www.jub.com

Subconsultant:

Stantec
Stantec
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Suite 300, Salt Lake City, Ut
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NO.	DESCRIPTION	BY	APPL.	DATE
	REVISION			

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

35 - MBR SUPPORT BUILDING
SINGLE LINE DIAGRAM - II

FILE: 55-20-124-35E-002
JUB PROJ. #: 55-20-124
DRAWN BY: KES
DESIGN BY: KES
CHECKED BY: SK

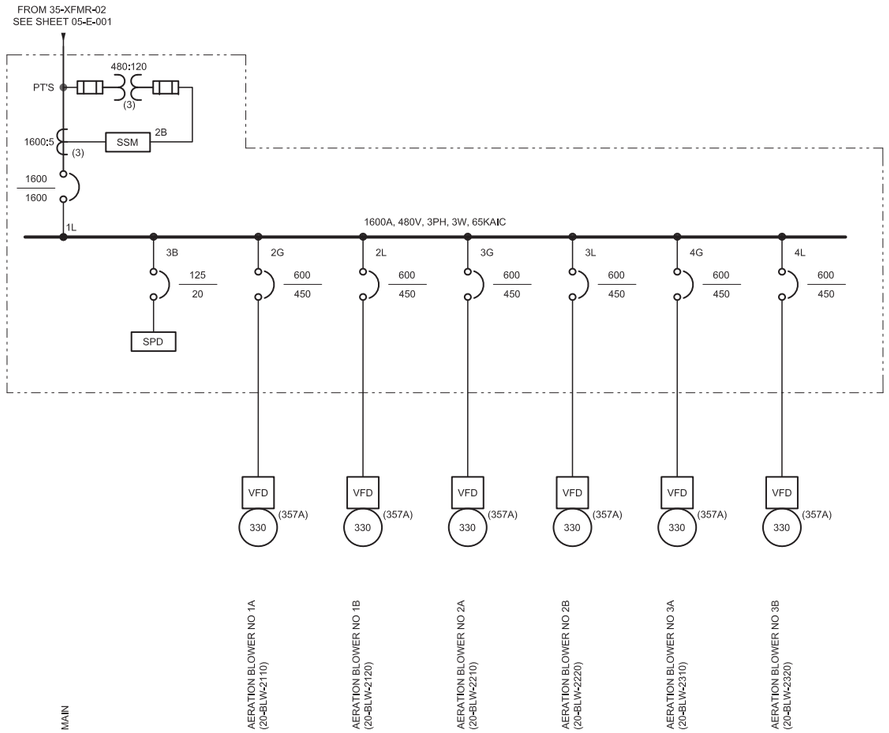
ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY

LAST UPDATED: 7/6/2022

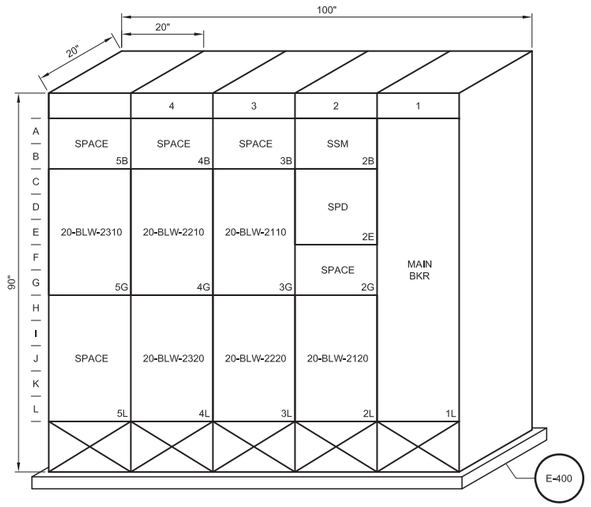
DRAWING:
35-E-002

SHEET: 647 OF 691

Plot Date: 7/6/2022 5:12 PM Plotted By: Mulk, Sushila
Date Created: 7/6/2022 C:\FW_WORKING\WTR\SMULIK\D0\20265\20265-55-20-124-35E-002.DWG



35-MCC-02



35-MCC-02 ELEVATION

J-U-B ENGINEERS, INC.

J-U-B ENGINEERS, INC.
392 E. Winchester St, Suite 300
Salt Lake City, UT 84107
Phone: 801.547.0393
www.jub.com

Subconsultant:

Stantec

Stantec
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Suite 300, Salt Lake City, Ut
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NO.	DESCRIPTION	BY	APPL.	DATE
	REVISION			

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

35 - MBR SUPPORT BUILDING
SINGLE LINE DIAGRAM - III

FILE: 55-20-124-35E-003
JUB PROJ. #: 55-20-124
DRAWN BY: KES
DESIGN BY: KES
CHECKED BY: SK

ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY

LAST UPDATED: 7/6/2022

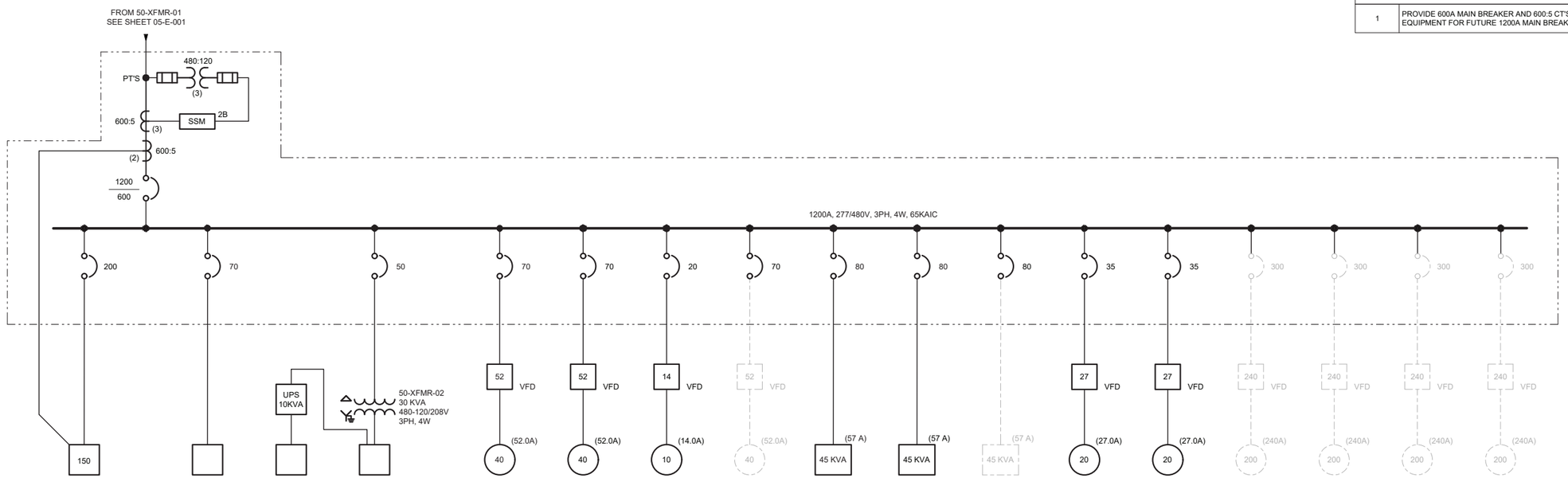
DRAWING:
35-E-003

SHEET: 648 OF 691

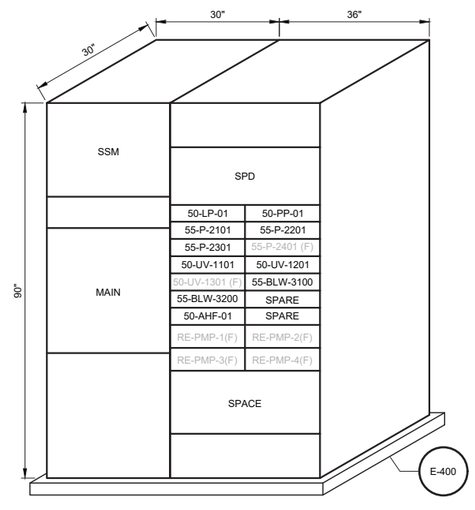
Plot Date:7/6/2022 6:13 PM Plotted By: Mulk, Suchita
Date Created:7/6/2022 C:\PW_WORKING\WTR\SMULIK\D0202066\255-20-124-35E-003.DWG

SHEET KEYNOTES

1	PROVIDE 600A MAIN BREAKER AND 600:5 CT'S FOR CURRENT LOAD BUT SIZE EQUIPMENT FOR FUTURE 1200A MAIN BREAKER AND 1200:5 CT'S



50-SWBD-01



50-SWBD-01 ELEVATION

J-U-B ENGINEERS, INC.

J-U-B ENGINEERS, INC.
392. E. Winchester St., Suite 300
Salt Lake City, UT 84107
Phone: 801.547.0393
www.jub.com

Subconsultant:

Stantec
Stantec
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Suite 300, Salt Lake City, Ut
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NO.	DESCRIPTION	BY	APP'D	DATE
	REVISION			

SPANISH FORK & MAPLETON WRF
SPANISH FORK CITY CORPORATION

50 - UV DISINFECTION
SINGLE LINE DIAGRAM

FILE : 55-20-124-50E-001
JUB PROJ. # : 55-20-124
DRAWN BY: KES
DESIGN BY: KES
CHECKED BY: SK

ONE INCH
AT FULL SIZE, IF NOT ONE INCH, SCALE ACCORDINGLY

LAST UPDATED: 7/6/2022

DRAWING:
50-E-001

SHEET: 672 OF 691

Plot Date:7/6/2022 5:09 PM Plotted By: Thakare, Ashish
Date Created:7/6/2022 C:\PW_WORKING\WTR\ATHAKARE\D0202863\55-20-124-50E-001.DWG