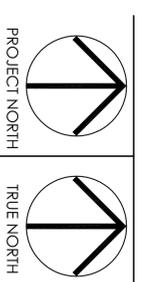


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Association of Professional Engineers & Geoscientists
 CERTIFICATE OF AUTHORIZATION
 WSP CANADA INC.
 Number C08568
 Issued to: T. A. Koppa
 For: Electrical Engineering

6	ISSUED FOR TENDER	2018/05/25
5	ISSUED FOR TENDER	2018/05/25
4	ISSUED FOR 99% CD	2018/04/28
3	50% REC-SUBMISSION	2018/02/28
2	ISSUED FOR 50% CD	2018/01/09
1	ISSUED FOR DESIGN DEVELOPMENT	2017/11/23

**CORRECTIONAL SERVICES
 CANADA**

**CHURCHILL UNIT
 REDEVELOPMENT**

**CHURCHILL UNIT
 POWER & SYSTEMS
 DEMOLITION & NEW CONSTRUCTION**

PROJECT NO.	171-04394-00
PROJECT NAME	CHURCHILL UNIT REDEVELOPMENT
CLIENT	CORRECTIONAL SERVICES CANADA
DATE	2018/05/25
SCALE	AS SHOWN
DESIGNER	casoldakoppe ARCHITECTS
ENGINEER	wsp
ISSUED FOR	TENDER
PROJECT LOCATION	1100 11th Street SW, Calgary, Alberta
PROJECT NO.	R.082215.001
PROJECT NAME	E2
CLIENT	5

- NOTES:**
- EXISTING REE ALARM BELL DETECTORS WITH IN CORRIDOR EQUIP TO BE MAINTAINED BY THE CONTRACTOR.
 - EXISTING REE ALARM BELL DETECTORS WITH IN CORRIDOR EQUIP TO BE MAINTAINED BY THE CONTRACTOR.
 - EXISTING REE ALARM BELL DETECTORS WITH IN CORRIDOR EQUIP TO BE MAINTAINED BY THE CONTRACTOR.
- ELECTRICAL DEMOLITION AND SALVAGE**
- UNLESS OTHERWISE NOTED ALL EXISTING ELECTRICAL SYSTEMS WHICH REMOVE REDEMPTOR SHALL BE REMOVED BY THE CONTRACTOR.
 - REMOVE ALL REDEMPTOR EXISTING CONDUIT WHERE ACCESSIBLE.
 - REMOVE ALL REDEMPTOR EXISTING CONDUIT TO POINT OF SOURCE.
 - GET ALL REDEMPTOR EXISTING EQUIPMENT TO POINT OF SOURCE.
 - REMOVE SALVAGE MATERIAL, OPEN TO BUILDING OWNER.
 - CONTRACTOR SHALL VERIFY THE STATUS OF EXISTING EQUIPMENT, REDEMPTOR, AND SYSTEMS WILL BE COMPLETED FOR WORK (RECALL) FROM CONTRACTOR THAT WOULD BE REBUILT AND HAZARDOUS EVALUATION OF THE SITE.
 - CONTRACTOR SHALL VERIFY AND CORRECT PANEL SCHEDULES AND LOADS PER ALL PANELS AFFECTED BY THIS DEMOLITION.
 - MAINTAIN CONTINUED OF EXISTING SERVICE POINTS AS REQUIRED TO PROVIDE POWER TO REMAINING EQUIPMENT. SERVICES AND EQUIPMENT THAT ARE NOT TO BE REMOVED.
 - ANY EXISTING CONDITIONS INDICATED ARE BASED UPON INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR SHALL VERIFY THE STATUS OF ALL CONDITIONS IN THE FIELD PRIOR TO THE DEMOLITION.

PANEL SHEET 713-B'

CIRCUIT No	DESCRIPTION	LOAD WATTS	BREAKER SIZE	BREAKER SIZE	LOAD WATTS	DESCRIPTION	CIRCUIT No
1	E-10 LIGHT					E-1121/RECEPTACLE	2
2	E-10 LIGHT					E-1121/RECEPTACLE	4
3	E-10 LIGHT					E-1121/RECEPTACLE	6
4	E-10 LIGHT					E-1121/RECEPTACLE	8
5	E-10 LIGHT					E-1121/RECEPTACLE	10
6	E-10 LIGHT					E-1121/RECEPTACLE	12
7	E-10 LIGHT					E-1121/RECEPTACLE	14
8	E-10 LIGHT					E-1121/RECEPTACLE	16
9	E-10 LIGHT					E-1121/RECEPTACLE	18
10	E-10 LIGHT					E-1121/RECEPTACLE	20
11	E-10 LIGHT					E-1121/RECEPTACLE	22
12	E-10 LIGHT					E-1121/RECEPTACLE	24
13	E-10 LIGHT					E-1121/RECEPTACLE	26
14	E-10 LIGHT					E-1121/RECEPTACLE	28
15	E-10 LIGHT					E-1121/RECEPTACLE	30
16	E-10 LIGHT					E-1121/RECEPTACLE	32
17	E-10 LIGHT					E-1121/RECEPTACLE	34
18	E-10 LIGHT					E-1121/RECEPTACLE	36
19	E-10 LIGHT					E-1121/RECEPTACLE	38
20	E-10 LIGHT					E-1121/RECEPTACLE	40
21	E-10 LIGHT					E-1121/RECEPTACLE	42
22	E-10 LIGHT					E-1121/RECEPTACLE	44
23	E-10 LIGHT					E-1121/RECEPTACLE	46
24	E-10 LIGHT					E-1121/RECEPTACLE	48
25	E-10 LIGHT					E-1121/RECEPTACLE	50
26	E-10 LIGHT					E-1121/RECEPTACLE	52
27	E-10 LIGHT					E-1121/RECEPTACLE	54
28	E-10 LIGHT					E-1121/RECEPTACLE	56
29	E-10 LIGHT					E-1121/RECEPTACLE	58
30	E-10 LIGHT					E-1121/RECEPTACLE	60
31	E-10 LIGHT					E-1121/RECEPTACLE	62
32	E-10 LIGHT					E-1121/RECEPTACLE	64
33	E-10 LIGHT					E-1121/RECEPTACLE	66
34	E-10 LIGHT					E-1121/RECEPTACLE	68
35	E-10 LIGHT					E-1121/RECEPTACLE	70
36	E-10 LIGHT					E-1121/RECEPTACLE	72
37	E-10 LIGHT					E-1121/RECEPTACLE	74
38	E-10 LIGHT					E-1121/RECEPTACLE	76
39	E-10 LIGHT					E-1121/RECEPTACLE	78
40	E-10 LIGHT					E-1121/RECEPTACLE	80
41	E-10 LIGHT					E-1121/RECEPTACLE	82
42	E-10 LIGHT					E-1121/RECEPTACLE	84
43	E-10 LIGHT					E-1121/RECEPTACLE	86
44	E-10 LIGHT					E-1121/RECEPTACLE	88
45	E-10 LIGHT					E-1121/RECEPTACLE	90

EXISTING EQUIPMENT SCHEDULES BASED OFF OF PANEL SCHEDULES SHOWN FOR INFORMATION ONLY.

PANEL SHEET 711-A'

CIRCUIT No	DESCRIPTION	LOAD WATTS	BREAKER SIZE	BREAKER SIZE	LOAD WATTS	DESCRIPTION	CIRCUIT No
1	E-10 LIGHT					E-1121/RECEPTACLE	2
2	E-10 LIGHT					E-1121/RECEPTACLE	4
3	E-10 LIGHT					E-1121/RECEPTACLE	6
4	E-10 LIGHT					E-1121/RECEPTACLE	8
5	E-10 LIGHT					E-1121/RECEPTACLE	10
6	E-10 LIGHT					E-1121/RECEPTACLE	12
7	E-10 LIGHT					E-1121/RECEPTACLE	14
8	E-10 LIGHT					E-1121/RECEPTACLE	16
9	E-10 LIGHT					E-1121/RECEPTACLE	18
10	E-10 LIGHT					E-1121/RECEPTACLE	20
11	E-10 LIGHT					E-1121/RECEPTACLE	22
12	E-10 LIGHT					E-1121/RECEPTACLE	24
13	E-10 LIGHT					E-1121/RECEPTACLE	26
14	E-10 LIGHT					E-1121/RECEPTACLE	28
15	E-10 LIGHT					E-1121/RECEPTACLE	30
16	E-10 LIGHT					E-1121/RECEPTACLE	32
17	E-10 LIGHT					E-1121/RECEPTACLE	34
18	E-10 LIGHT					E-1121/RECEPTACLE	36
19	E-10 LIGHT					E-1121/RECEPTACLE	38
20	E-10 LIGHT					E-1121/RECEPTACLE	40
21	E-10 LIGHT					E-1121/RECEPTACLE	42
22	E-10 LIGHT					E-1121/RECEPTACLE	44
23	E-10 LIGHT					E-1121/RECEPTACLE	46
24	E-10 LIGHT					E-1121/RECEPTACLE	48
25	E-10 LIGHT					E-1121/RECEPTACLE	50
26	E-10 LIGHT					E-1121/RECEPTACLE	52
27	E-10 LIGHT					E-1121/RECEPTACLE	54
28	E-10 LIGHT					E-1121/RECEPTACLE	56
29	E-10 LIGHT					E-1121/RECEPTACLE	58
30	E-10 LIGHT					E-1121/RECEPTACLE	60
31	E-10 LIGHT					E-1121/RECEPTACLE	62
32	E-10 LIGHT					E-1121/RECEPTACLE	64
33	E-10 LIGHT					E-1121/RECEPTACLE	66
34	E-10 LIGHT					E-1121/RECEPTACLE	68
35	E-10 LIGHT					E-1121/RECEPTACLE	70
36	E-10 LIGHT					E-1121/RECEPTACLE	72
37	E-10 LIGHT					E-1121/RECEPTACLE	74
38	E-10 LIGHT					E-1121/RECEPTACLE	76
39	E-10 LIGHT					E-1121/RECEPTACLE	78
40	E-10 LIGHT					E-1121/RECEPTACLE	80
41	E-10 LIGHT					E-1121/RECEPTACLE	82
42	E-10 LIGHT					E-1121/RECEPTACLE	84
43	E-10 LIGHT					E-1121/RECEPTACLE	86
44	E-10 LIGHT					E-1121/RECEPTACLE	88
45	E-10 LIGHT					E-1121/RECEPTACLE	90

EXISTING EQUIPMENT SCHEDULES BASED OFF OF PANEL SCHEDULES SHOWN FOR INFORMATION ONLY.

MOTOR CONTROL SCHEDULE

MOTOR No	DESCRIPTION	HP/W	VOLTS 3PH	FLA	BREAKER	FEEBKR	CIRCUIT	STARTER	DISCON	REMARKS	MOTOR No
E-1	EXHAUST FAN	15HP	120V 1Ø	15AMP	25/1	25/1	214-A	N/A	15AP	NOTE 3	E-1

