CONCRETE SLAB SCHEDULE

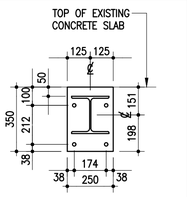
MARK	DESCRIPTION	REINFORCING
S1	150 THICK CONCRETE SLAB UNDER EXISTING CONCRETE SLAB/METAL GRATING STEEL DECK FORM WORK MIN SIZE 38 x 1.21 THICK. SLAB THICKNESS FROM HIGH DECK FLUTE.	15M @ 250 O/C EACH WAY BOTTOM
S2	178 THICK CONCRETE SLAB 10 MIL POLY STABILIZED FILL IN MAX 914 THICK LIFTS	15M @ 300 O/C TOP & BOTTOM WITH 10M TEMPERATURE STEEL @ 300 O/C TOP & BOTTOM
S3	150 THICK CONCRETE SLAB C/W 300x300 THICKENED EDGE 150 ENGINEERED FILL COMPACTED TO 95% STANDARD PROCTOR DENSITY. REFER TO GEOTECHNICAL REPORT FOR COMPACTED FILL SPECIFICATIONS.	5-15M LONGITUDINAL BARS 10M TIES @ 300 O/C 10M DOWELS TO INTERIOR SLAB WITH 150 EMBED TO MATCH SPACING OF TIES

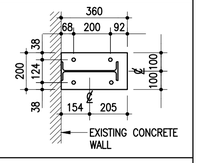
STEEL POST SCHEDULE

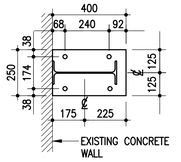
MARK	DESCRIPTION
SP1	W360x33 C/W 16ø THREADED ROD ADHESIVE ANCHORS @ 610 O/C WITH 100 EMBEDMENT T/O POST EL 23584±
SP2	W360x45 C/W 16ø THREADED ROD ADHESIVE ANCHORS @ 610 O/C WITH 100 EMBEDMENT T/O POST EL 23584±
SP3	W360x57 C/W 16ø THREADED ROD ADHESIVE ANCHORS @ 610 O/C WITH 100 EMBEDMENT T/O POST EL 23925±
SP4	HSS 102x102x13 C/W 16ø THREADED ROD ADHESIVE ANCHORS @ 610 O/C WITH 100 EMBEDMENT T/O POST EL 21945±
SP5	W200x19 C/W 16ø HILTI KBU EXPANSION ANCHOR @ 610 O/C WITH MIN 100 EMBEDMENT T/O POST EL 25273± U/S POST EL 21673±
SP6	W200x19 C/W 16ø HILTI KBU EXPANSION ANCHOR @ 610 O/C WITH MIN 100 EMBEDMENT T/O POST EL 25273± U/S POST EL 23423±

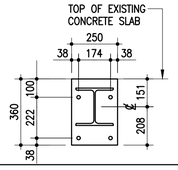
WELD PLATE SCHEDULE

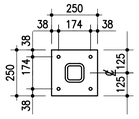
MARK	DESCRIPTION
WP1	W200x46/W200x52 350x250x19 THICK BASE PLATE ON 25 THK NON-SHRINK GROUT C/W 4-19ø THREADED ROD ADHESIVE ANCHORS WITH 200 EMBEDMENT
WP2	W310x28 360x200x19 THICK BASE PLATE ON NON-SHRINK GROUT AS REQUIRED C/W 4-19ø THREADED ROD ADHESIVE ANCHORS WITH 150 EMBEDMENT
WP3	W360x33 400x250x19 THICK BASE PLATE ON NON-SHRINK GROUT AS REQUIRED C/W 4-22ø THREADED ROD ADHESIVE ANCHORS WITH 200 EMBEDMENT
WP4	W200x46 360x250x19 THICK BASE PLATE ON 25 THK NON-SHRINK GROUT C/W 4-19ø THREADED ROD ADHESIVE ANCHORS WITH 200 EMBEDMENT
WP5	HSS 102x102x13 180x180x16 THICK BASE PLATE ON 25 THK NON-SHRINK GROUT C/W 4-16ø THREADED ROD ADHESIVE ANCHORS WITH 200 EMBEDMENT











GIRT SCHEDULE

MARK	DESCRIPTION
G1	W360x33 U/S GIRT EL 21336± UNLESS NOTED ON PLAN
G2	W310x28 SLOPED GIRT REFER TO PLAN FOR ELEVATIONS
G3	W310x28 U/S GIRT EL 23584±

ANGLE SUPPORT SCHEDULE

MARK	DESCRIPTION
AS1	L102x102x9.5 C/W 13 THICK STIFFENER PLATE @ 914 O/C MAX FASTEN WITH 19ø THROUGH BOLTS @ 914 O/C MAX BETWEEN STIFFENER PLATES. PROVIDE 19ø x 76 LONG NELSON STUDS @ 610 O/C MAX INTO SLAB ABOVE. NELSON STUDS IN LOW FLUTE STEEL DECK FORM WORK.

CONCRETE WALL SCHEDULE

MARK	DESCRIPTION
CW1	200 THICK CONCRETE WALL R/W 15M @ 200 O/C EACH WAY 15M DOWELS SPACED TO MATCH CONCRETE WALL REINFORCING EMBED 150 INTO EXISTING CONCRETE WALL/SLAB WITH ADHESIVE

CONSTRUCTION SEQUENCE:

1. CONTRACTOR TO PROTECT EXISTING ELECTRICAL AND MECHANICAL SYSTEMS BY ALL MEANS NECESSARY TO MAINTAIN CONTINUOUS OPERATIONS OF INSTITUTION. COORDINATE WITH ELECTRICAL AND MECHANICAL.
2. INSTALL ALL PERMANENT STEEL BRACING AND INFILL EXISTING OPENINGS IN CONCRETE WALLS AS INDICATED ON DRAWINGS.
3. CREATE CONSTRUCTION ACCESS OPENING THROUGH EXISTING EXTERIOR STRUCTURAL SLAB ON EAST SIDE BETWEEN GRIDLINES '6' & '7' AS SHOWN.
4. CREATE EXISTING OPENINGS IN EXISTING CONCRETE SLABS AND WALLS FOR STABILIZED FILL INSTALLATION.
5. PLACE STABILIZED FILL IN MAX 914 THICK LIFTS. ALLOW LIFTS TO CURE TO ATTAIN 40% OF SPECIFIED STRENGTH. PLACE IN UNIFORM LIFTS IN ALL VAULTS WITH MAX 300 HIGH ELEVATION DIFFERENCE AT ANY TIME BETWEEN ADJACENT VAULTS.
6. INSTALL CONCRETE STRUCTURAL SLAB IN VAULT 2.
7. REMOVE EXISTING CONCRETE SLAB IN WORK ROOM AND INSTALL CONCRETE SLAB-ON-GRADE.
8. PRESSURE GROUT EXISTING STRUCTURAL SLABS.

Public Works and Government Services Canada
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2020-0010

Crosier Kilgour & Partners Ltd.
CONSULTING STRUCTURAL ENGINEERS

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
Crosier Kilgour & Partners Ltd.
No. 235

PROVINCE OF MANITOBA
B. FLISAK
Member
22454
REGISTERED PROFESSIONAL ENGINEER

Revision	Description	Date
0	ISSUED FOR TENDER AND CONSTRUCTION	2020/08/14

Client: client

CORRECTIONAL SERVICE CANADA

99 BANK STREET
OTTAWA, ONTARIO

Project title / Projet:
STONY MOUNTAIN
STONY MOUNTAIN INSTITUTION
BUILDING C12

POWERHOUSE REPAIRS

Designed by / Conçu par: **BDH/KJP**
Drawn by / Dessiné par: **MAH**
Approved by / Approuvé par: **JAW**
PWGSC Project Manager / Administrateur de Projets TPSGC: **MICHAEL STEINBORN**

Drawing title / Titre du dessin:
SCHEDULES & CONSTRUCTION SEQUENCE

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.109027	S1.2 OF S5.2	0