

**GENERAL NOTES**

- THIS SET OF DRAWINGS IS INTENDED TO PROVIDE THE SUPPORT STRUCTURE FOR NEW PASSAGE ELEVATOR AND NEW SERVICE ELEVATOR.
- THIS SET OF DRAWINGS SHOWS THE COMPLETED STRUCTURE, AND DOES NOT SHOW WORK WHICH MAY BE REQUIRED FOR SAFETY DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR GENERAL SAFETY ON AND ABOUT THE JOB SITE DURING THE CONSTRUCTION PERIOD, AND FOR DESIGN AND ERECTION OF ALL FALSEWORK, SHORING, BRACING ETC. TO ENSURE THE SAFETY OF ALL CONSTRUCTION LOADS AND TO COMPLETE THE WORK. ADHERE STRICTLY TO ALL REQUIREMENTS OF THE WORK SAFE B.C.
- THIS SUPPORT STRUCTURE HAS BEEN VERIFIED IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THE DESIGN CODE TO LATEST EDITION AS REFERENCE IN THE NATIONAL BUILDING CODE OF CANADA, 2015 FOR ELEMENTS OF STRUCTURES, NON-STRUCTURAL COMPONENTS AND EQUIPMENT WITH THE FOLLOWING PARAMETERS.  
 ELEVATOR UNIT WEIGHT (SEE MECHANICAL)  
 EARTHQUAKE FACTORS                      SITE CLASS D  
 $S_g(0.2) = 0.159$   
 $I_E = 1.0$   
 $F_g = 1.0$   
 $S_p = 3.0$
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE SUPPORT AND PROTECTION OF ADJACENT ANY EXISTING STRUCTURES AND EQUIPMENTS ADJOINING THE SITE DURING CONSTRUCTION AND, SHALL CONFORM TO THE REQUIREMENTS OF THE WORK SAFE B.C.
- THE CONTRACTOR SHALL AT HIS EXPENSE TO REPAIR AND MAKE GOOD ANY DAMAGE TO THE EXISTING BUILDING MATERIAL, FINISHING AND CONTENTS CAUSED BY THE CONSTRUCTION ACTIVITY. REPAIR SHALL BE TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENTATIVE.

**MASONRY**

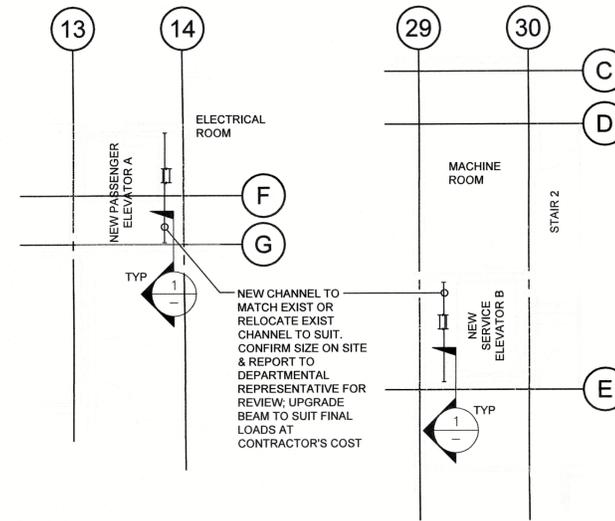
- REFER TO SPECIFICATIONS FOR CONCRETE MASONRY, CODE REFERENCES AND OTHER REQUIREMENTS.
- REINFORCING BARS  $f_y = 400$  MPa.
- UNLESS NOTED OTHERWISE REINFORCE 200 NONLOADBEARING WALLS SHOWN ON DRAWING.
- UNLESS NOTED OTHERWISE SPLICE REINFORCING AND EMBED DOWELS AS FOLLOWS:  
 DOWEL EMBEDMENT:    20M BARS: 500                      SPLICES:    20M BARS: 900  
 (INCL. LENGTH)        10M BARS: 300                                      10M BARS: 450  
 OF HOOK)
- ALL VERTICAL REINFORCING SHALL RUN CONTINUOUS THROUGH BOND BEAMS AND LINTELS OR BE SPLICED AS SPECIFIED.
- PROVIDE CORNER BARS FOR ALL HORIZONTAL REINFORCING. SPLICE LENGTH AS SPECIFIED.
- CELLS TO BE REINFORCED SHALL BE KEPT CLEAR OF MORTAR.
- FILL ALL CELLS CONTAINING REINFORCING STEEL OR ANCHOR BOLTS WITH 20MPa GROUT, 10mm AGGREGATE, 200-250 SLUMP, PUDDLE OR VIBRATE TO COMPLETELY FILL CELLS. REVIBRATE AFTER 10 TO 40 MINUTES, WHEN EXCESS WATER HAS BEEN ABSORBED BY MASONRY UNITS. TOP OFF FILLED CORES WITH FRESH GROUT AFTER REVIBRATION.
- PROVIDE CLEAN-OUTS AT BOTTOM OF ALL GROUTED CORES FOR LIFTS OVER 1500.
- CHECK STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, CIVIL, LANDSCAPE AND ALL OTHER RELEVANT DRAWINGS FOR LOCATIONS AND SIZES OF BOLTS, SLEEVES AND OPENINGS, SUPPLY AND SET ANCHOR BOLTS, SLEEVES, PIPE HANGERS, JOINTS AND OTHER INSERTS AND OPENINGS AS INDICATED OR SPECIFIED ELSEWHERE.

**STRUCTURAL STEEL**

- REFER TO SPECIFICATION FOR METAL FABRICATION, DESIGN CODE REFERENCE AND OTHER REQUIREMENTS.
- ALL WELDS SHALL HAVE MIN. 6mm THROAT. ALL MAIN CONNECTION BOLTS SHALL BE MIN. 16mmØ. USE MIN. TWO BOLTS PER CONNECTION. IMPERIAL SIZE PRODUCTS ARE ACCEPTABLE ON AN EQUAL SIZE - EQUAL STRENGTH BASIS.
- UPON OPENING UP OF EXISTING FINISHES/ROOF DECK TO EXPOSE THE EXISTING STRUCTURES TO WHICH THE NEW STEEL MEMBER ARE CONNECTED, THE CONTRACTOR SHALL INFORM THE DEPARTMENTAL REPRESENTATIVE TO CONFIRM THE PROPOSED CONNECTION AND REVISE DETAILS TO SUIT EXISTING CONDITIONS AS REQUIRED.  
  
 SUBMIT SHOP DRAWINGS TO DEPARTMENT REPRESENTATIVE FOR REVIEW PRIOR TO FABRICATION. DO NOT FABRICATE THE STEEL WORKS PRIOR TO THE COMPLETION OF THE REVIEW OF THE SHOP DRAWINGS.
- BOLTS, WELDS AND BURNED OR SCRATCHED SURFACE SHALL BE TOUCHED UP WITH PRIMER PER SPECIFICATION AT COMPLETION OF ERECTION.
- FABRICATION, ERECTION, STRUCTURAL DESIGN AND DETAILING OF ALL STRUCTURAL STEEL CONNECTIONS SHALL BE IN ACCORDANCE WITH CAN/CSA-S16-14. CONFIRM ALL EXACT LOCATIONS, DIMENSIONS AND ELEVATIONS TO SUIT EXISTING SITE CONDITIONS.
- THE CONTRACTOR SHALL EXERCISE DUE CARE IN CARRYING OUT ANY ON SITE WELDING REQUIRED AND PROVIDE SMOKE CONTROL MEASURES AND ADEQUATE PROTECTION TO PREVENT SPARKS FROM THE WELDING PROCESS TO FALL OFF THE ROOF AND FLOOR. PROVIDE ADEQUATE FIRE PREVENTATIVE AND PRECAUTIONARY MEASURES TO PROTECT THE EXISTING BUILDING MATERIALS AND TO PREVENT ANY FIRE HAZARDS. ALL INDOOR WELDING SHOULD CONFORM TO WCB REQUIREMENTS.
- ALL STEEL BEAMS, PLATES, BOLTS & ACCESSORIES SHALL BE COATED WITH SHOP PRIMER TO CIS/C/MPD2-75

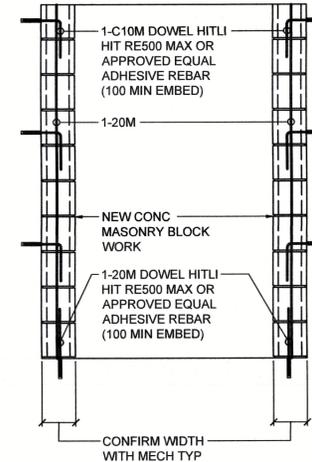
**ABBREVIATIONS**

A. BOLT	ANCHOR BOLT	LLH	LONG LEG HORIZONTAL
ALT.	ALTERNATE	LONG.	LONGITUDINAL
ARCH.	ARCHITECTURAL	MAX.	MAXIMUM
BLDG.	BUILDING	MECH.	MECHANICAL
BOT.	BOTTOM	MIN.	MINIMUM
BTW.	BETWEEN	N/A	NOT AVAILABLE
C/C	CENTER TO CENTER	N.S.	NEAR SIDE
CMW	COMPLETE WITH	N.STUD	NELSON STUD
C.I.P.	CAST IN PLACE	N.T.S.	NOT TO SCALE
CANT.	CANTILEVER	O/C	ON CENTRES
CL.	CLEAR	OPP.	OPPOSITE HAND
COL.	COLUMN	PL	PLATE
CONC.	CONCRETE	PROJ.	PROJECTION
CONT.	CONTINUOUS	R/W	REINFORCED WITH
DL	DEAD LOAD	R/C	REINFORCED CONCRETE
DN	DOWN	S.O.G.	SLAB ON GRADE
DO.	DITTO	SIM.	SIMILAR
DP.	DEEP	S.S.	STAINLESS STEEL
DWG.	DRAWING	STAGG.	STAGGERED
E.W.	EACH WAY	T&B	TOP AND BOTTOM
E.F.	EACH FACE	THK.	THICK
ELEC.	ELECTRICAL	TYP.	TYPICAL
ELEV.	ELEVATION	U/S	UNDERSIDE
EXIST.	EXISTING	U.N.O.	UNLESS NOTED OTHERWISE
EXT.	EXTERIOR	VERT.	VERTICAL
FL.	FLOOR		
F.S.	FAR SIDE		
FDN.	FOUNDATION		
FTG.	FOOTING		
G.L.	GRID LINE		
GALV.	GALVANIZED		
HL	HIGH LEVEL		
HORIZ.	HORIZONTAL		
H.D.G.	HOT DIP GALVANIZED		
INT.	INTERIOR		
L.V.	LENGTH VARIES		
L.G.	LONG		
LL	LOW LEVEL		
LLV	LONG LEG VERTICAL		

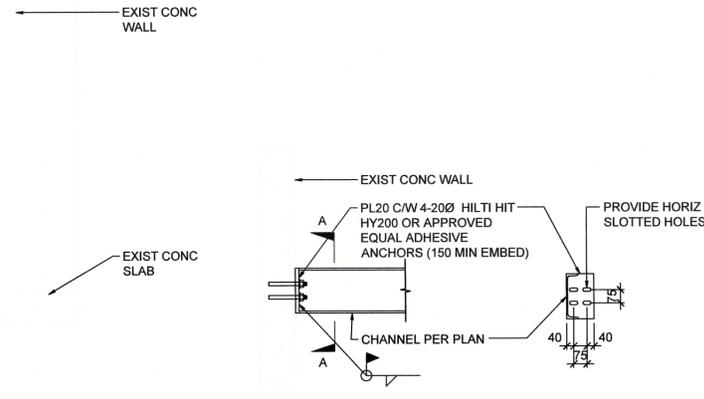


**LEVEL 2 TO LEVEL 4  
ELEVATOR SHAFT FLOOR PLAN**  
1:100

**LEVEL 1 TO MECH PENTHOUSE  
ELEVATOR SHAFT FLOOR PLAN**  
1:100



**TYPICAL DOOR IN-FILLS**  
1:20



**SECTION 1      SECTION A-A**  
1:20      1:20

PROFESSIONAL ENGINEER  
 L. K. S. LAM  
 APR 26, 2019

Revision/Revision	Description/Description	Date/Date
0	ISSUED FOR TENDER	APR 26 2019

**Agriculture & Agri-Food Canada**

Project title/Titre du projet  
**4200 HWY#97  
 Summerland, BC V0H 1Z0**  
  
**Elevator Replacement at  
 Summerland Research and  
 Development Centre**

Consultant Signature Only  
  
 Designed by/Concept par  
 LL  
 Drawn by/Dessine par  
 T.J.V.  
 PWSC Project Manager/Administrateur de Projets TFSGC  
 Phillip Fung  
 Regional Manager, Architectural and Engineering Services  
 Gestionnaire régionale, Services d'architectural et de génie, TFSGC  
 Preetipal Paul

**PLANS & SECTIONS**

Project No./No. du projet <b>R.099799.001</b>	Sheet/Feuille <b>S-100</b> OF XX	Revision no./ La Révision no. <b>0</b>
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