

555 BOOTH PART PLAN GROUND FLOOR  
1:100

DESIGN LOADS:

CONCRETE PADS  
DESIGN LIVE LOAD = 4.8kPa + EQUIPMENT LOADS

DRAWING NOTES

- 300 THICK CONCRETE PAD, SEE SECTION 555-1 ON S400 AND GENERAL NOTES FOR DETAILS. REFER TO MECHANICAL DRAWINGS FOR LOCATION
- BOILER UNIT: LOADING (UNFACTORED) = 225 kN PROVIDE CONCRETE CURB TO SUIT BOILER BASE FRAME AND ACCOMMODATE LEVEL INSTALLATION (SEE TYPICAL DETAILS FOR CONCRETE CURB)
- EXHAUST VENT: LOADING (UNFACTORED) = 0.46 kN/m
- GALVANIZED HSS152x152x6.4 POST (TYP.)
- 4500x500 DP. CONC. PIER
- GAS REGULATOR STATION PAD:  
300 CONCRETE SLAB c/w 15M @ 300 E.W. (EPOXY COATED) OVER 50mm RIGID INSULATION OVER 300mm COMPACTED GRANULAR FILL (VERIFY WITH ENBRIDGE FOR GAS REGULATOR LOCATIONS)
- 300 WIDE CONCRETE CURB, TYPICAL

GENERAL

THE GENERAL NOTES AND TYPICAL DETAILS ARE APPLICABLE TO ALL STRUCTURAL CONDITIONS NOT SPECIFICALLY DETAILED OR REFERENCED ON THE STRUCTURAL DRAWINGS.

THESE NOTES, DETAILS AND DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS

FOUNDATIONS

BEARING:  
ALL FOUNDATIONS TO BEAR ON SOUND, UNDISTURBED, NATURAL SOIL IN ACCORDANCE WITH SOILS REPORT:  
NUMBER: 131-20711-06  
DATED: JANUARY 17, 2014  
PREPARED BY: WSP CANADA INC.

DESIGN BEARING VALUES:  
250kPa (SLS) & 325kPa (ULS) UNLESS NOTED

ALL BEARING SURFACES TO BE APPROVED BY COMNTRACTOR'S GEOTECHNICAL CONSULTANT PRIOR TO POURING CONCRETE.

REFER TO SPECIFICATIONS FOR EXCAVATION, BACKFILLING AND DEWATERING PROCEDURES

FROST COVER:  
BOTTOM OF FOOTINGS TO HAVE A MINIMUM 1800mm COVER TO FINISHED EXTERIOR GRADE FOR FROST PROTECTION UNLESS NOTED, INCLUDING FOOTINGS IN UNHEATED AREAS OF BASEMENT. PROVIDE FROST PROTECTION FOR ALL FOOTINGS DURING WINTER CONSTRUCTION

ALL CONCRETE WORK TO BE IN ACCORDANCE WITH THE LATEST EDITIONS OF CSA STANDARDS CAN/CSA-A23.1 AND CAN/CSA-A23.3 WITH THE FOLLOWING FURTHER PROVISIONS:				
LOCATION	MIN. SPECIFIED 28 DAY CONC. STRENGTH	SLUMP	CLASS OF EXPOSURE	REMARKS
	MPa	mm		
SLAB ON GRADE	25	75	N	
EXTERIOR LEDGE	25	100	F-2	
EXTERIOR PIERS	35	100	C-1	
FOOTING PIERS AND FOUNDATION WALLS	25	100	F-2	
HOUSEKEEPING PADS	25	100	N	
NO ADDITIONAL WATER SHALL BE ADDED AT THE JOB SITE. CONCRETE WHICH HAS BEEN WATERED OR DOES NOT MEET SPECIFICATIONS, SHALL BE REJECTED BY THE GENERAL CONTRACTOR.				
CALCIUM CHLORIDE ADMIXTURES SHALL NOT BE USED.				

ABBREVIATIONS

THE FOLLOWING ABBREVIATIONS MAY HAVE BEEN USED IN THESE NOTES AND DRAWINGS:

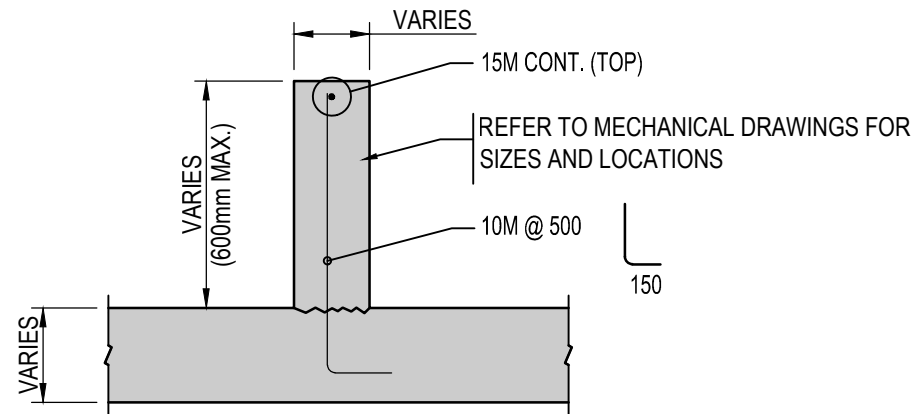
@	AT (SPACING c/c)	m	METRES
A.B.	ANCHOR BOLT	MAX.	MAXIMUM
ARCH.	ARCHITECTURAL	MECH.	MECHANICAL
B	BOTTOM	NF	NEAR FACE
c/c	CENTRE TO CENTRE	N.T.S.	NOT TO SCALE
CL	CENTRE LINE	OF	OUTSIDE FACE
CONT.	CONTINUOUS	PL	PLATE
EA.	EACH	SMR	STANDARD GALVANIZED LADDER
EE	EACH END		TYPE MASONRY REINFORCEMENT
EF	EACH FACE		2-3.66 mmØ SIDE RODS
EL.	ELEVATION	SW	SHEARWALL
ES	EACH SIDE	T	TOP
EW	EACH WAY	TOW	TOP OF WALL
EX	EXISTING	TYP.	TYPICAL
FF	FAR FACE	U/N	UNLESS OTHERWISE NOTED
H	HORIZONTAL	UL	UPPER LAYER
HDMR	HEAVY DUTY GALVANIZED LADDER TYPE MASONRY REINFORCEMENT	U/S	UNDERSIDE
	2-4.76 mmØ SIDE RODS	V	VERTICAL
IF	INSIDE FACE		
LL	LOWER LAYER		

CONCRETE COVER: (CLEAR TO REINFORCING)

SLABS	35mm U/N
WALLS AND CURBS	25mm
LEDGE	25mm
PIERS AND COLUMNS	40mm (TO TIES)

MISCELLANEOUS CONCRETE

CONCRETE CURBS (MAXIMUM 600mm HIGH U/N)  
FOR ALL CONCRETE CURBS (UNLESS OTHERWISE DETAILED) PROVIDE 1-15M HORIZONTAL CONTINUOUS AT TOP AND 10M DOWELS AT 400mm FROM SLAB. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND LANDSCAPE DRAWINGS FOR EXTENT, DIMENSIONS AND LOCATION. PROVIDE MATCHING DOWELS FROM CURBS TO REINFORCED MASONRY WALLS WHERE REQUIRED. PROVIDE 1-10M ADDITIONAL HORIZONTAL AT MID-HEIGHT FOR CURBS OVER 400mm HIGH



GENERAL NOTES

LATERAL LOADS:

SEISMIC:

NON-STRUCTURAL COMPONENTS AND EQUIPMENT  
CATEGORY 5  
Cp = 1.0 Ar = 2.5 Rp = 2.5  
Ie = 1.0

Ie Fa Sa (0.2) = 0.55

SITE CLASSIFICATION = CLASS 'B'

Sp = Cp Ar Ax / Rp  
Vp = 0.3 FaSa (0.2) Ie Sp Wp

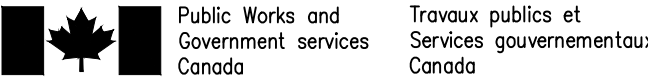
555 BOOTH: Vp = 4.0kN  
601 BOOTH: Vp = 7.5kN  
615 BOOTH: Vp = 4.0kN

WIND

q = 0.41 (1 IN 50 YEARS)  
p = Iw Ce Cp Cg q  
Iw = 1.00 (ULS)  
Iw = 0.75 (SLS)  
Ce = 1.26  
Cg = 2.50  
Cp = 0.80

LOOSE BRICK ANGLES

LOOSE BRICK ANGLE SCHEDULE	
MAXIMUM SPAN	SIZE
0 TO 1200mm	L100x100x8
1200 TO 2400mm	L125x90x8
2400 TO 3000mm	L150x100x8
PROVIDE 150 MIN. BEARING EACH END	



National Centre of Expertise  
Architectural and Engineering Services  
Real Property Services Branch

Centre d'expertise national  
Services d'architecture et génie  
Direction générale des services immobiliers

Adjeleian Allen Rubeli  
Consulting Engineers

75 Albert Street, Ottawa, Ontario  
4211 Yonge Street, Toronto, Ontario

AAR PROJECT 2927-08



KEY PLAN  
PLAN—REPERE

03	ISSUED FOR TENDER	2014-11-21
02	ISSUED FOR 99% REVIEW	2014-07-14
01	ISSUED FOR 66% REVIEW	2014-05-30

revision		date
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A	A detail no.	A
C	B location drawing no.	BC
	C drawing no.	
	no. du dessin	

project

STAND ALONE  
HEATING PLANT

555/601/615 BOOTH STREET

drawing

555 BOOTH  
GENERAL NOTES &  
PART PLAN GROUND FLOOR

designed

A. CHEUNG  
MAY 2014

conçu

drawn

SUS  
MAY 2014

dessiné

revised

A. CHEUNG  
MAY 2014

révisé

date

A. CHEUNG  
MAY 2014

approuvé

tender

TENDER  
PWC Project Manager

soumission

project no.

R.060128.003

no. du projet

drawing no.

S200

no. du dessin

