

11787

Project title/Titre du projet

**SINCLAIR CENTRE
REVITALIZATION PROJECT
757 W HASTING ST. VANCOUVER**

Drawing title/Titre du dessin

**SECTION 10 AND X - X REVISED
(XREF. DWG. S313)**

Consultant Signature Only

PWGSC Project Manager/Administrateur
de Projets TPSGC

Scale/Echelle

N.T.S.

Designed by/Concept par

SZ

PWGSC, Regional Manager, Architectural and Engineering Services/
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Date/Date

2013-06-11

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MC

Project No./No. du
projet

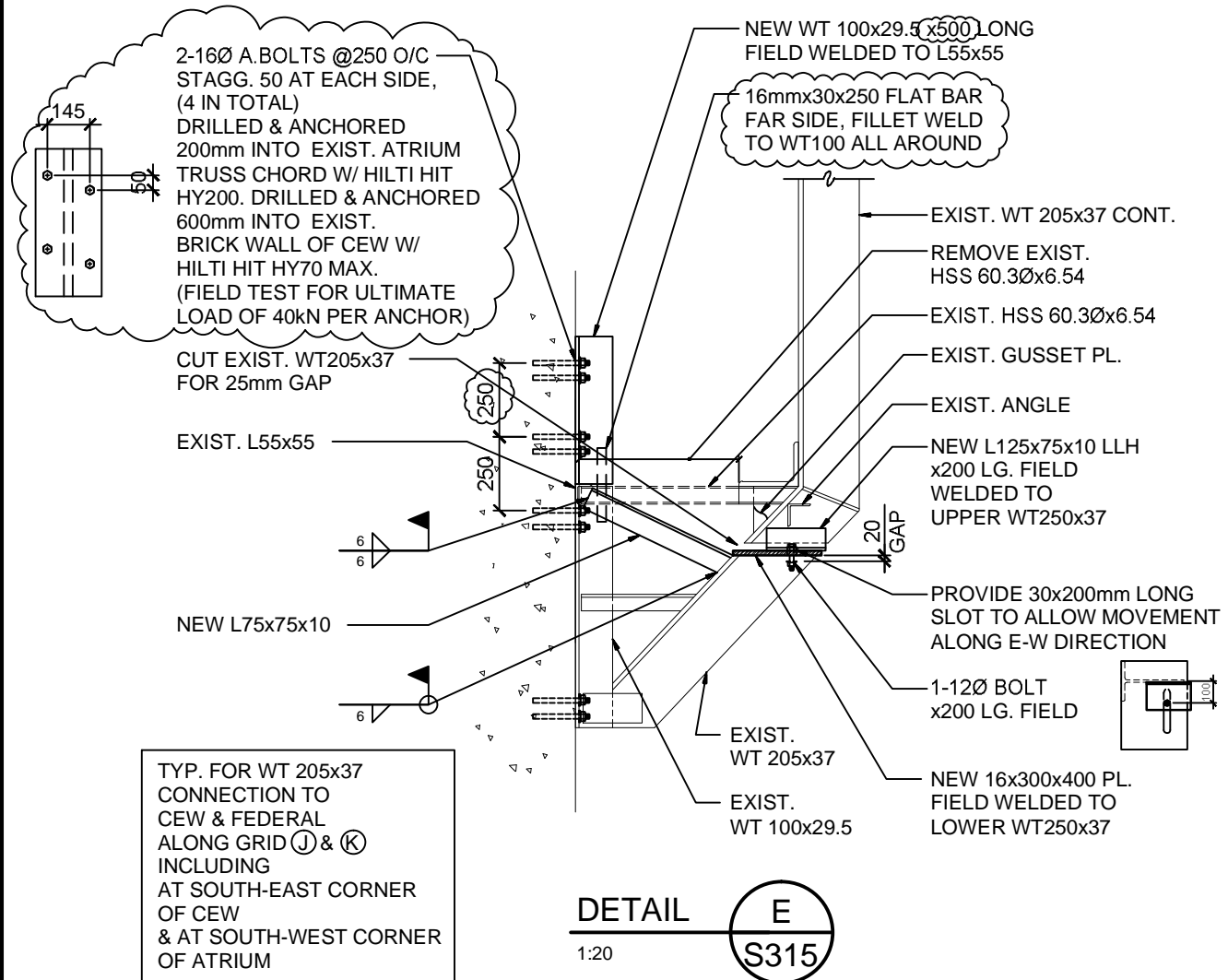
R.041365.001

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AD-S01

Revision/
Revision





11787

Project title/Titre du projet

**SINCLAIR CENTRE
REVITALIZATION PROJECT**
757 W HASTING ST. VANCOUVER

Drawing title/Titre du dessin

**DETAIL E REVISED
(XREF. DWG. S316)**

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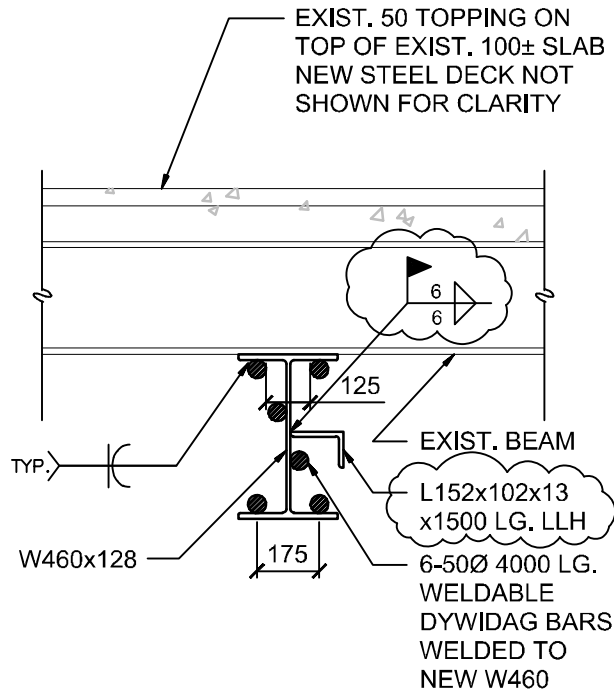
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AD-S02

Revision/
Revision





SECTION A - A

1:20

11787

Project title/Titre du projet

SINCLAIR CENTRE
REVITALIZATION PROJECT
757 W HASTING ST. VANCOUVER

Drawing title/Titre du dessin

SECTION A - A REVISED
(XREF. DWG. S412)

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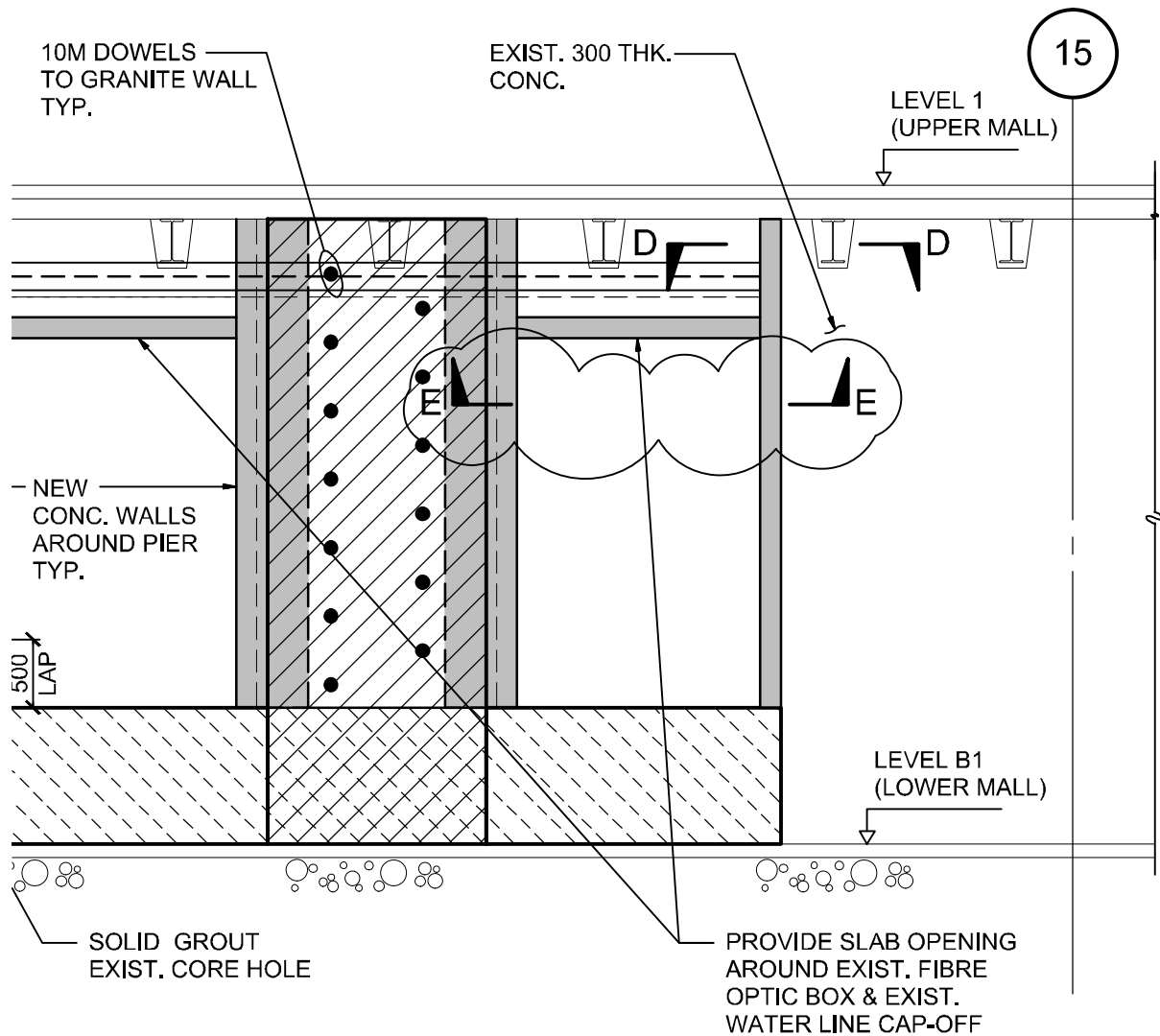
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AD-S03

Revision/
Revision





SOUTH WALL ELEVATION - GRID LINE 15 - 23

1:50

1

S402

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Project title/Titre du projet

**SINCLAIR CENTRE
REVITALIZATION PROJECT**
757 W HASTING ST. VANCOUVER

Drawing title/Titre du dessin

**PARTIAL SOUTH WALL ELEVATION REVISED
(XREF. DWG. S416)**

Consultant Signature Only

PWGSC Project Manager/Administrateur
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Scale/Echelle

1:50

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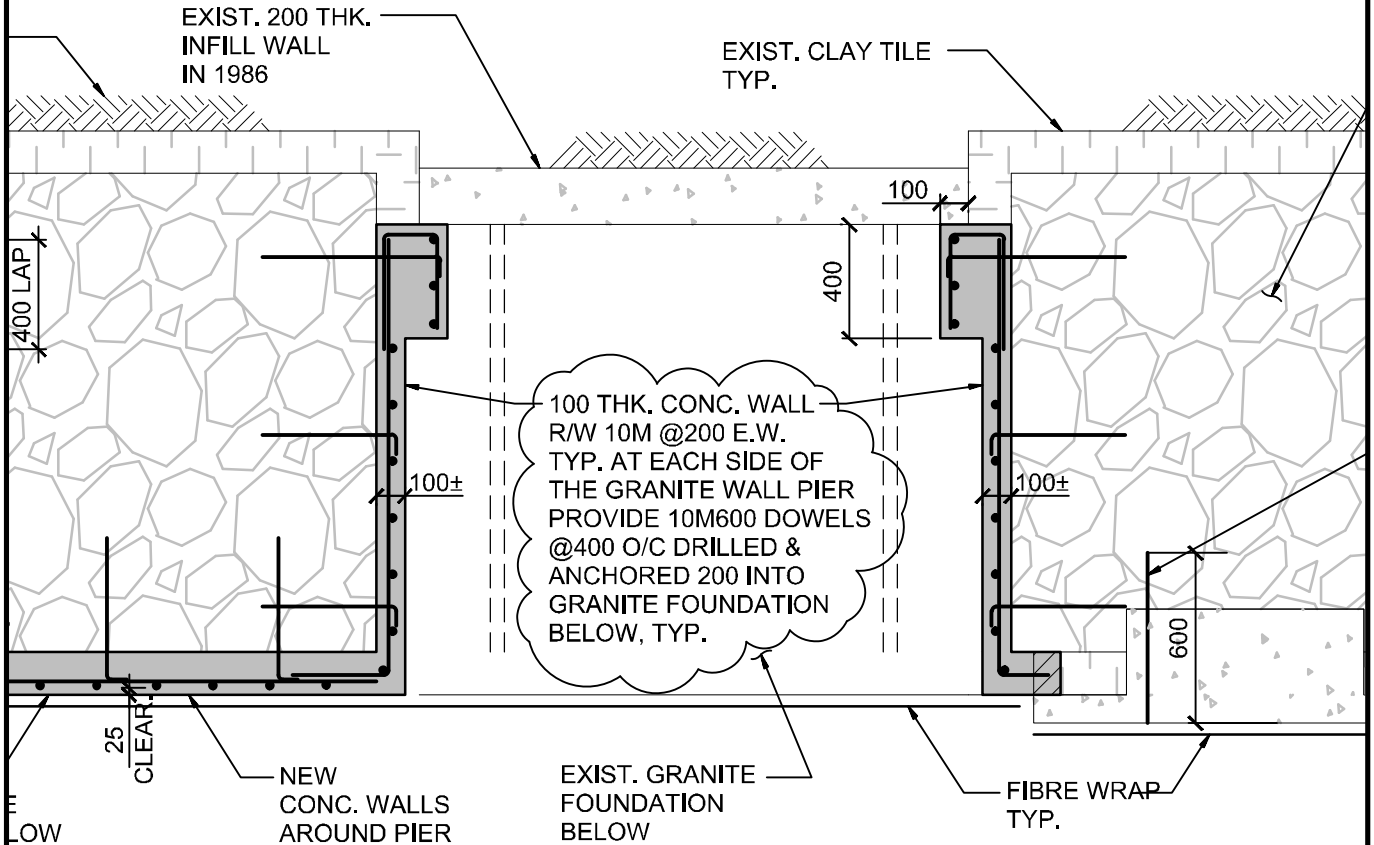
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Sheet/Feuille

AD-S04

Revision/
Revision





R WALL PIERS W/O EXIST. CONC WALL

SECTION A - A

1:25

TYP. FOR WALL PIERS W/ EX

TYP. FOR PERIMETER WALLS ALONG HASTINGS

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Project title/Titre du projet

**SINCLAIR CENTRE
REVITALIZATION PROJECT**
757 W HASTING ST. VANCOUVER

Drawing title/Titre du dessin

PARTIAL SECTION A - A REVISED
(XREF. DWG. S416)

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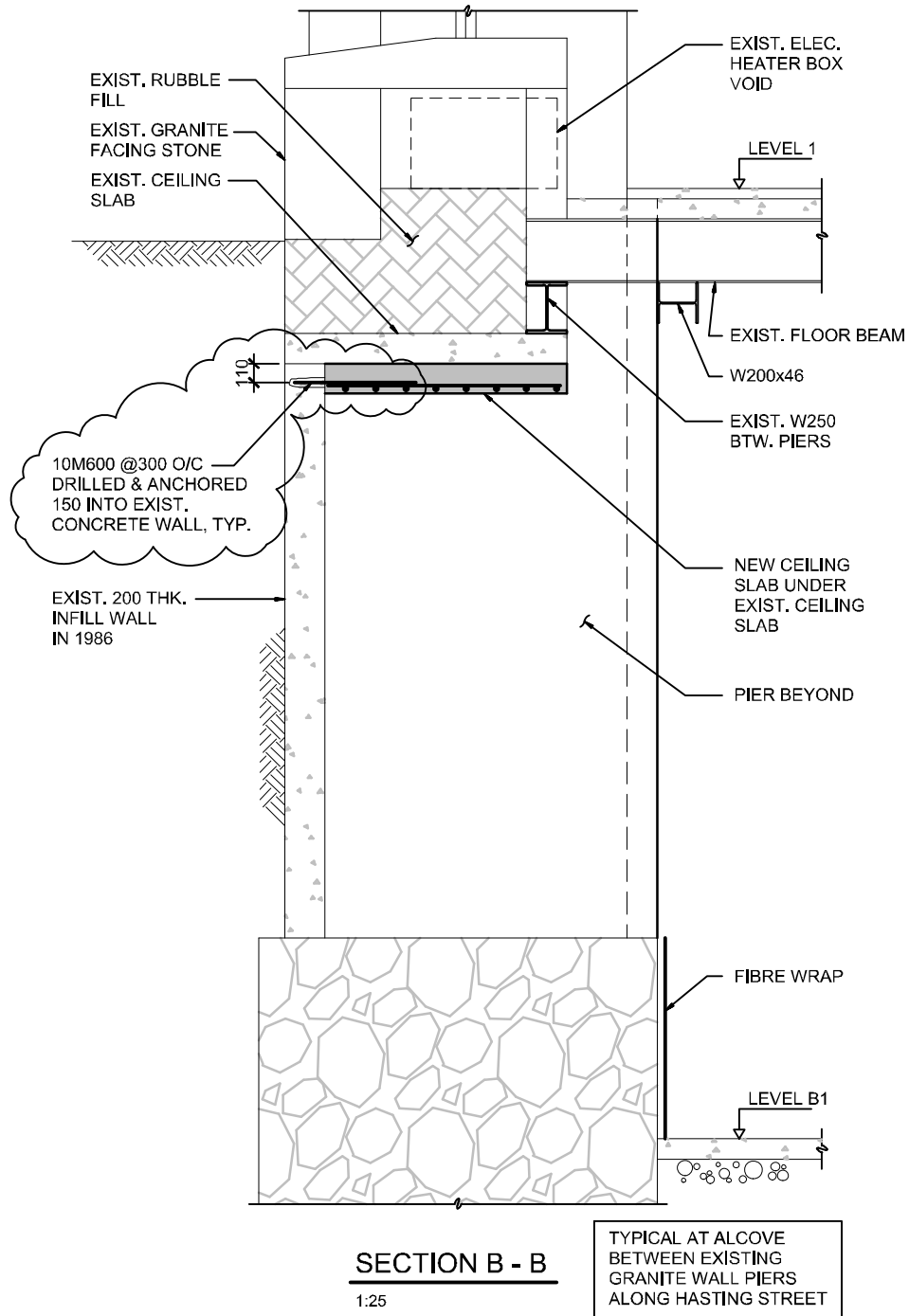
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AD-S05

Revision/
Révision





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Project title/Titre du projet

**SINCLAIR CENTRE
REVITALIZATION PROJECT
757 W HASTING ST. VANCOUVER**

Drawing title/Titre du dessin

**SECTION B - B REVISED
(XREF. DWG. S416)**

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1:25

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Date/Date

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Project No./No. du
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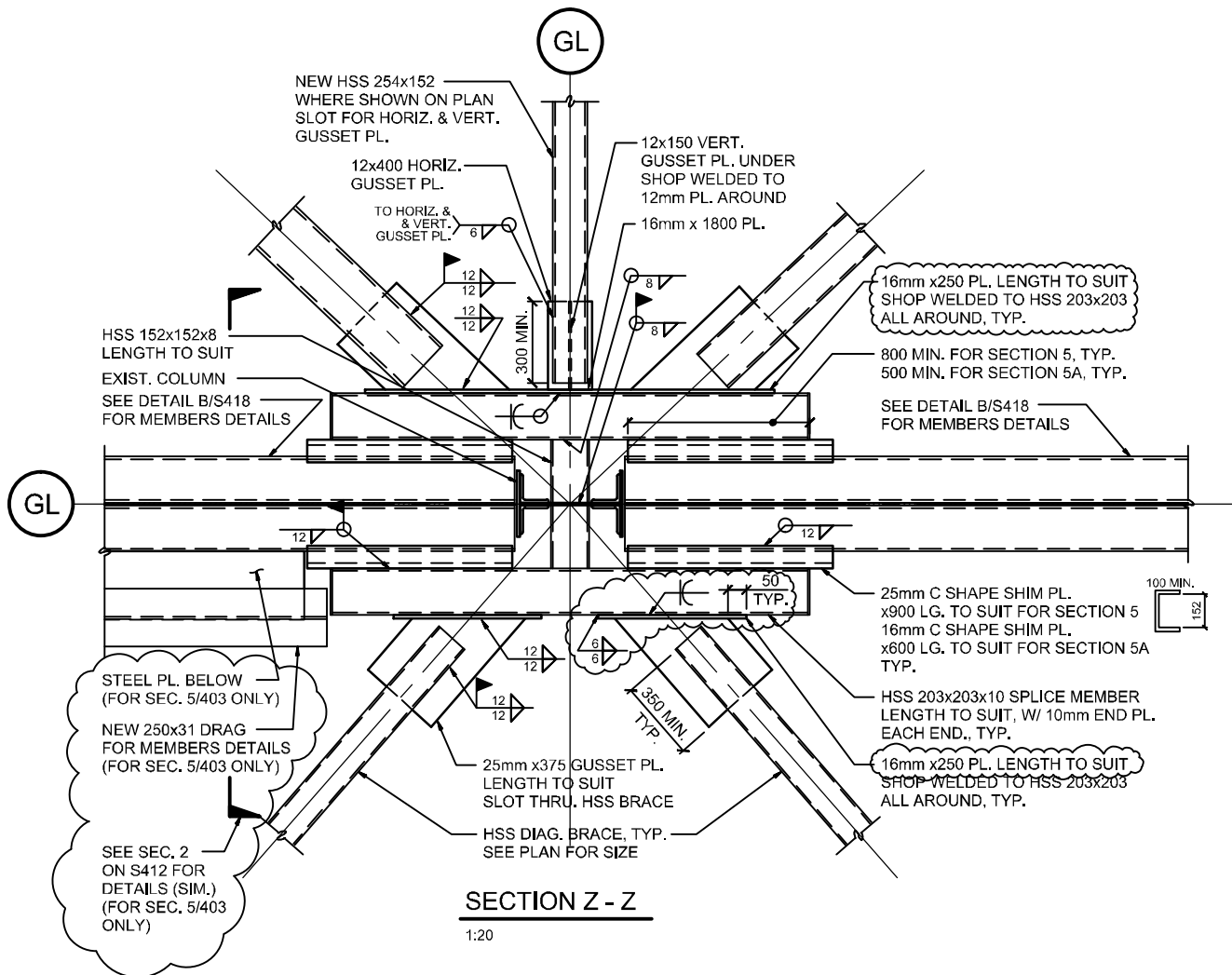
Sheet/Feuille

AD-S06

Revision/
Revision







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Project title/Titre du projet		Drawing title/Titre du dessin	
<p style="text-align: center;"> SINCLAIR CENTRE REVITALIZATION PROJECT 757 W HASTING ST. VANCOUVER </p>		<p style="text-align: center;"> SECTION Z - Z REVISED (XREF. DWG. S417) </p>	
Consultant Signature Only	PWGSC Project Manager/Administrateur de Projets TPSGC	Scale/Echelle	1:25
Designed by/Concept par SZ	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC	Date/Date	2013-06-11
Drawn by/Dessiné par MC	Project No./No. du projet R.041365.001	Sheet/Feuille AD-S08	Revision/Revision



MECHANICAL MOTORLIST

EQUIPMENT TAG	EQUIPMENT DESCRIPTION
PL. FIXTURES	HARD-WIRED PL. FIXTURES
DHWT-1	ELECTRIC HOT WATER HEATER
DHWT-2	ELECTRIC HOT WATER HEATER
FF-1	FORCE-FLOW HEATER
SF-6	SUPPLY FAN (MOTOR ONLY)
EF-10	EXHAUST FAN
EF-11	EXHAUST FAN
EF-11-L	KITCHEN EXHAUST FAN
SF-11	SUPPLY FAN (MOTOR ONLY)
RF-5	RETURN FAN (MOTOR ONLY)
-	3@15-AMP CIRCUITS - GENERAL USE
-	3@15-AMP CIRCUITS - GENERAL USE

LOAD		VOLT	PH
AMP	POWER		
		120	1
	3KW	120	1
	3KW	120	1
	2KW	208	3
	15KW	575	3
2	0.56KW	575	3
	7.45KW	575	3
	2.25KW	575	3
	7.5KW	575	3
	11.5KW	575	3
15		120	1
15		120	1

INT = INTEGRAL PART OF UNIT
 LIGHT = WIRED TO LIGHT SWITCH

MAG = MA
 MRR = MC

EXHAUST FAN SCHEDULE

EQUIPMENT TAG	QTY	SERVICE	LOCATION	TYPE	MANUFACTURER
EF-5	1	GENERAL EXHAUST	FEDERAL B3 MECH. ROOM	AXIAL	
EF-10	1	GENERAL EXHAUST	POST OFFICE PENTHOUSE	CABINET	2
EF-11	1	GENERAL EXHAUST	POST OFFICE PENTHOUSE	AXIAL	
EF-11-L	1	KITCHEN EXHAUST	POST OFFICE ROOF	KITCHEN UPBLAST	

NOTES: 1. C/W VFD 2. FAN TO BE RATED FOR NFPA 96 AND KITCHEN-TYPE EXHAUST

MODEL	AIR FLOW (LPS)	E. S. P. (PA)	FAN (RPM)	MOTOR (KW)	DRIVE TYPE	ELEC (V/PH/HZ)	REMARKS
	9440	375	1,774	11.19	DIRECT	575/60/3	1
2	709	375	1,774	0.56	BELT	575/60/3	1
	7551	375	1,770	7.45	DIRECT	575/60/3	1

THIS SKETCH IS TO BE USED IN CONJUNCTION WITH DRAWINGS: M0.02, M0.03



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PROJECT TITLE

**SINCLAIR CENTRE
 REVITALIZATION - PHASE 2**

DRAWING TITLE

**MOTORLIST & EF
 SCHEDULE**

DRAWN BY

PE

SCALE

N.T.S.

CHECKED BY

ZP

DATE

14.06.2013

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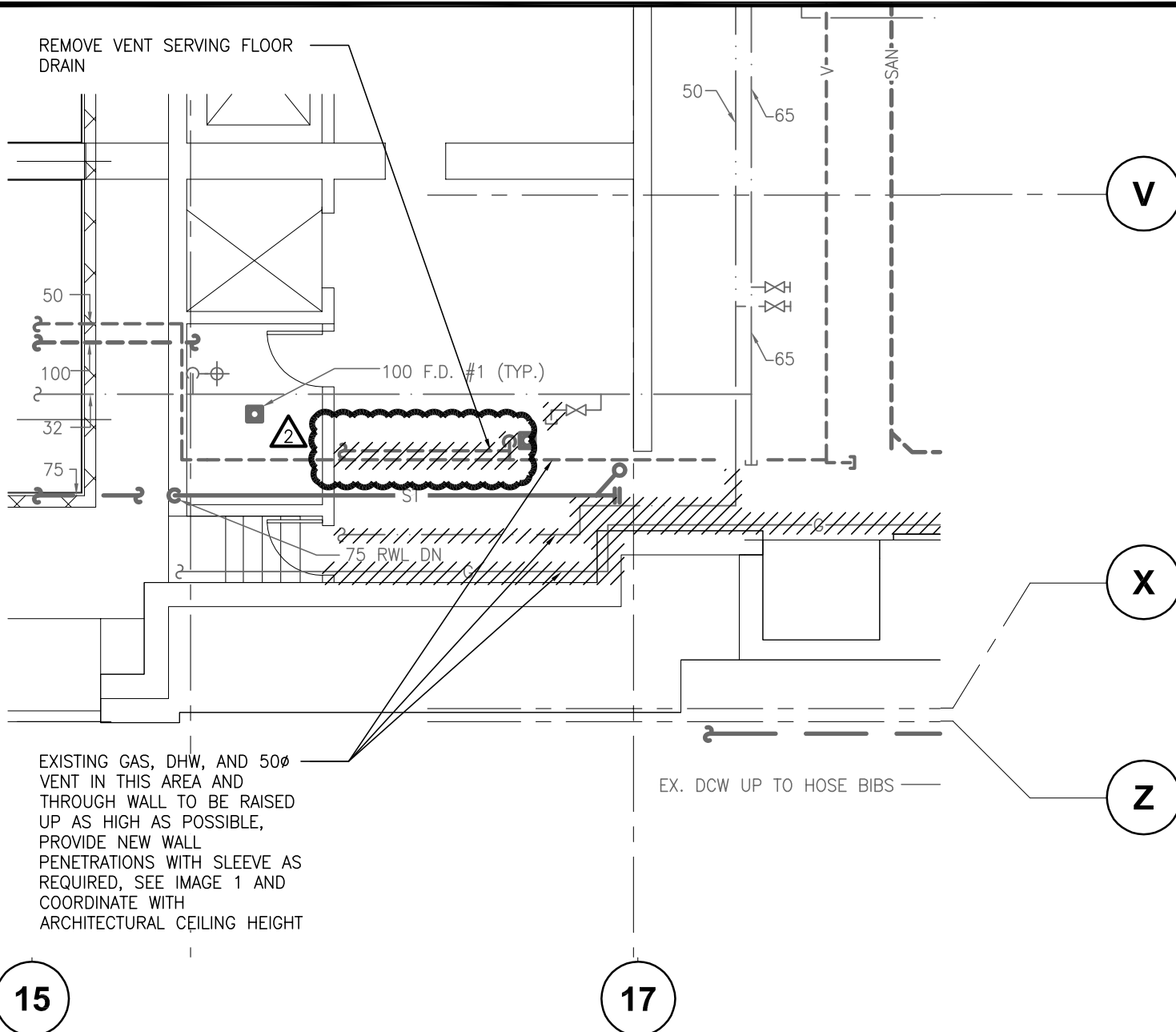
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PROJECT NO.

059B-004-12

DRAWING NO.


MADD-2.1

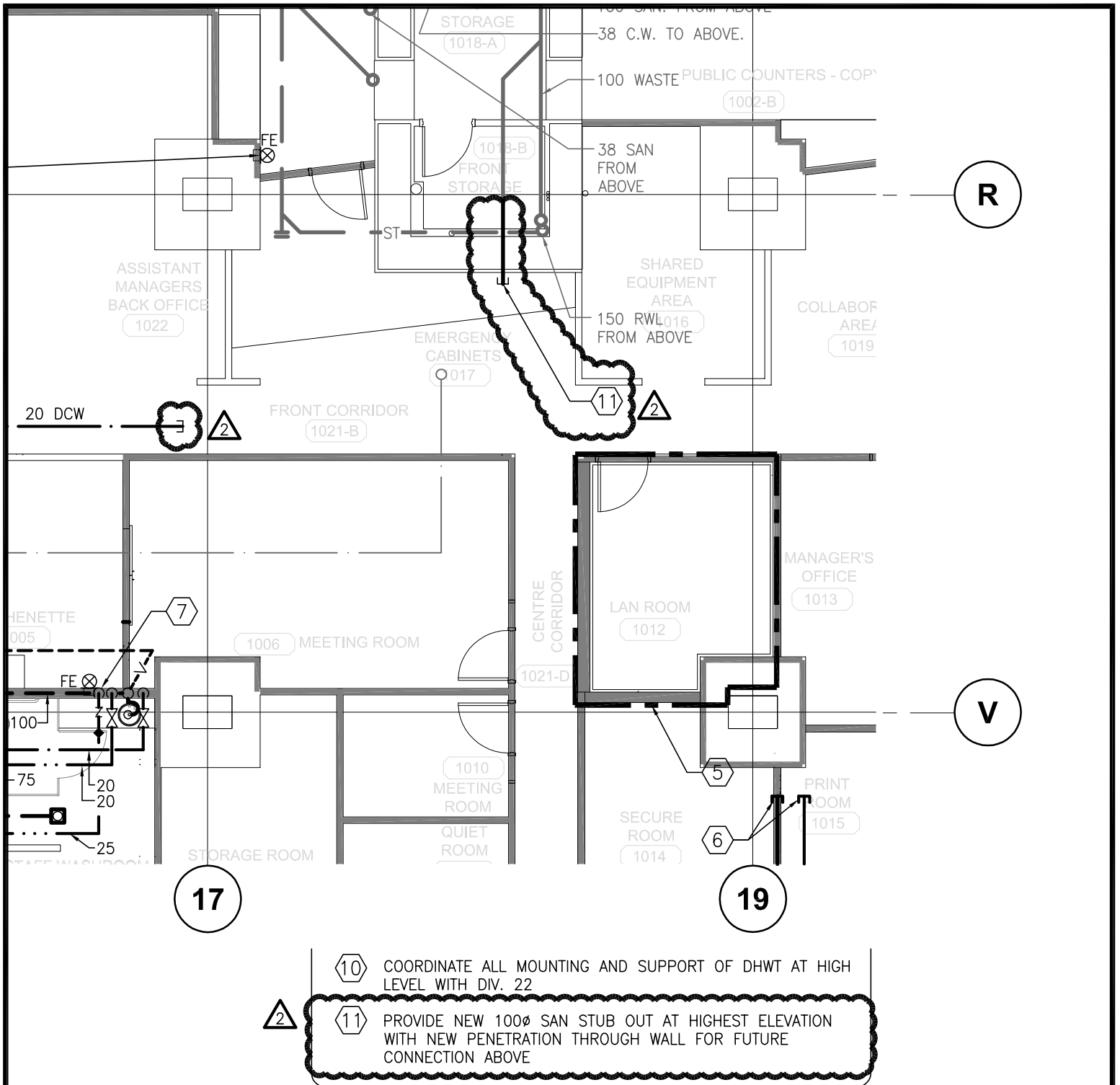


5. CONTRACTOR TO ALLOW FOR RE-HANGING OF ALL PLUMBING PIPING APPROXIMATELY 300MM LOWER (FINAL DISTANCE TO BE DETERMINED ON SITE) TO ACCOMMODATE STRUCTURAL SEISMIC UPGRADES. REFER TO STRUCTURAL DRAWINGS FOR COORDINATION AND MORE INFORMATION.

VERIFY AND DEMOLISH ALL EXISTING SANITARY DRAINAGE SERVING FIXTURES ON THE ESCADA SPACE ABOVE. ALLOW FOR CAP-OFF OF HOT AND COLD WATER SERVING THE FIXTURES ABOVE.

THIS SKETCH IS TO BE USED IN CONJUNCTION WITH DRAWINGS: M1.01

 <p>AME Group Consulting Professional Engineers</p> <p>VICTORIA T. (250) 382-5999 F. (250) 382-5998 721 JOHNSON STREET VICTORIA, BC V8W 1M8</p> <p>VANCOUVER T. (604) 684-5995 F. (604) 684-5993 501 - 134 ABBOTT STREET VANCOUVER, BC V6B 2K4</p>	PROJECT TITLE		DRAWING TITLE	
	SINCLAIR CENTRE REVITALIZATION - PHASE 2		PLUMBING DEMOLITION PLAN	
	DRAWN BY	PE	SCALE	1:100
	CHECKED BY	ZP	DATE	14.06.2013
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		059B-004-12	MADD-2.3	



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PROJECT TITLE
**SINCLAIR CENTRE
REVITALIZATION - PHASE 2**

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DRAWING TITLE
**PLUMBING
RENOVATION PLAN**

SCALE

1:100

DATE

14.06.2013

PROJECT NO.

059B-004-12

DRAWING NO.

MADD-2.4



STEEL DECK:

1. STEEL DECKING SHALL BE DESIGNED BY THE MANUFACTURER FOR VERTICAL LOAD DUE TO WIND AND GRAVITY LOADS INDICATED IN THE GENERAL NOTES OF THESE DRAWINGS.

2. PROVIDE ZF75 COATING FOR FLOOR DECK IN CONCEALED AREAS NOT EXPOSED TO WEATHER.

3. DECK FASTENING:

HILTI X-EDN 19 OR X-EDN 22 FASTENERS SPACED AT 300mm ON CENTER TO STRUCTURAL MEMBERS AND EDGE ANGLES, AND SIDE LAPS WITH 1-#10 SELF DRILLING SCREWS AT MAXIMUM 12" ON CENTER OR AS SHOWN ON PLANS.

4. CONCRETE TOPPED STEEL DECK:

STEEL DECKING SHALL BE DESIGNED BY THE MANUFACTURER FOR WEIGHT OF WET CONCRETE AND OTHER RELEVANT LOADS IN CONNECTION WITH THE CONCRETING OPERATIONS.

UNLESS NOTED OTHERWISE, CONCRETE TOPPING SHALL BE REINFORCED WITH WWM152x152xMW9.1/MW9.1 LOCATED 25mm FROM TOP OF SLAB AND SPLICED TWO CROSS WIRES PLUS 50mm.

5. DECK EDGE AND CHORD MEMBERS:

ALL EDGES OF STEEL DECKING SHALL BE SUPPORTED BY EDGE ANGLES FASTENED TO MAIN STRUCTURAL MEMBERS, UNLESS NOTED OTHERWISE, USE L100x100x6 AT FLOORS AND L75x75x6 AT ROOFS.

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**SINCLAIR CENTRE
REVITALIZATION PROJECT
757 W HASTING ST. VANCOUVER**

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**STEEL DECK NOTES ADDED
(XREF. DWG. S102)**

Consultant Signature Only

**PWGSC Project Manager/Administrateur
de Projets TPSGC**

Scale/Echelle

N/A

Designed by/Concept par

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**PWGSC, Regional Manager, Architectural and Engineering Services/
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projet R.041365.001**

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AD-S09

**Revision/
Revision**





WOOD PRODUCTS

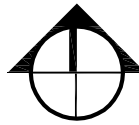
1. ALL LUMBER MATERIAL TO CONFORM TO N.L.G.A. GRADING RULES,
AND CSA-O86.1.
PLYWOOD SHALL CONFORM TO CSA O121.
2. DIMENSION LUMBER SHALL BE AS SPECIFIED BELOW:
WOOD PLATE SPF #2 OR BETTER

PLYWOOD SHALL BE DOUGLAS FIR PLYWOOD, SHEATHING GRADE.
ROOF AND FLOOR SHEATHING SHALL BE TONGUE AND GROOVE
JOINTED.

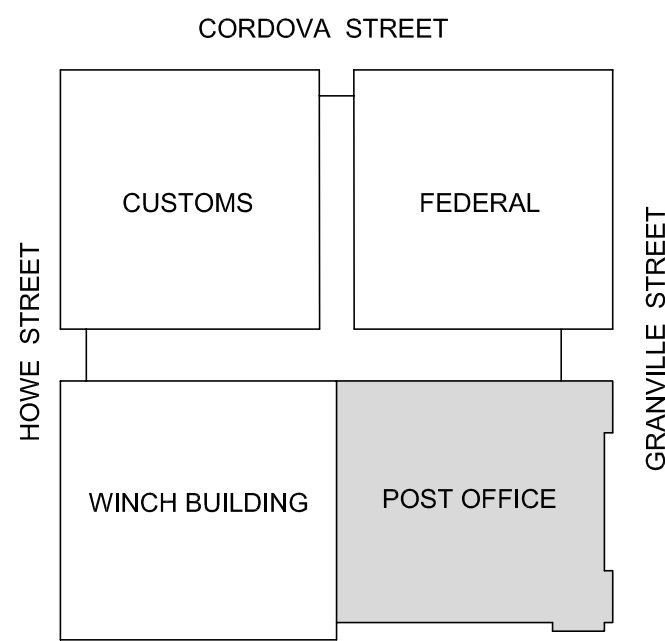
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Project title/Titre du projet SINCLAIR CENTRE REVITALIZATION PROJECT 757 W HASTING ST. VANCOUVER		Drawing title/Titre du dessin WOOD PRODUCT NOTES ADDED (XREF. DWG. S102)	
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PROJECT
NORTH



HASTINGS STREET



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Revision/	Description/Description	Date/Date
2	ISSUED FOR MECHANICAL ADDENDUM #2	2013/06/12
1	ISSUED FOR MECHANICAL ADDENDUM #1	2013/06/04
0	ISSUED FOR TENDER	2013/04/24
Client/client		

Project title/Titre du projet
757 W HASTINGS ST, VANCOUVER

SINCLAIR CENTRE

SINCLAIR CENTRE
REVITALIZATION
PROJECT

Consultant Signature Only

Designed by/Concept par
Z. Puljic

Drawn by/Dessiné par
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Preetipal Paul

Drawing title/Titre du dessin

PHASE 2:
FP RENOVATION
POST OFFICE LEVEL B1

Project No./No. du
projet
R041365.001

Sheet/Feuille
M1.03
8 of 16

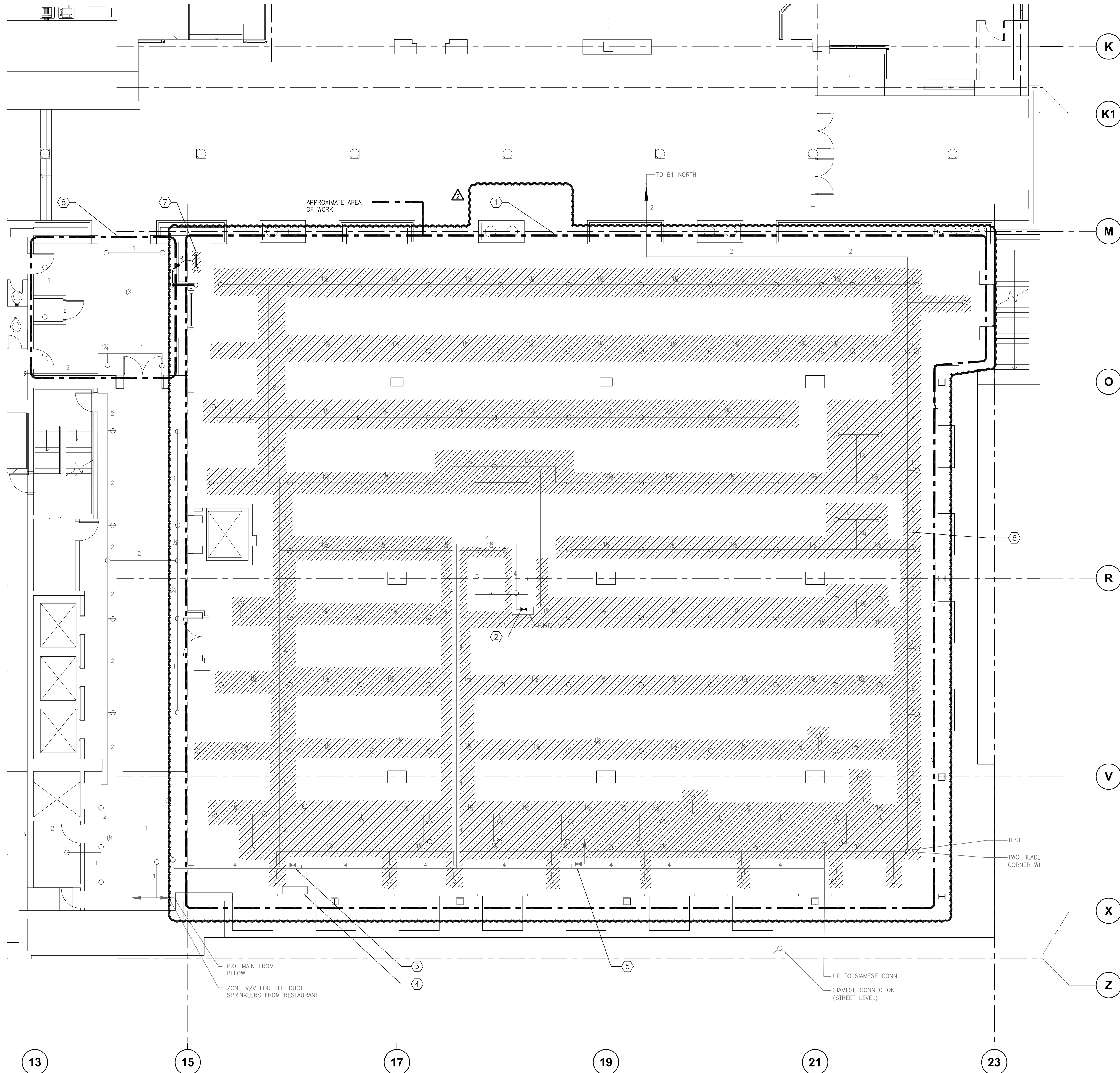
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La Révision
no.
2

FIRE PROTECTION NOTES:

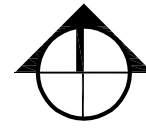
- REVIEW SITE CONDITIONS, PROJECT DRAWINGS (INCLUDING ARCHITECTURAL FLOOR PLANS, REFLECTED CEILING PLANS, AND ELEVATIONS, ELECTRICAL LIGHT FIXTURE LAYOUT DRAWINGS, MECHANICAL HVAC DRAWINGS) AND PROVIDE FULL SPRINKLER COVERAGE AS PER NFPA 13 AND CBC REQUIREMENTS. SITE WALKTHROUGH IS MANDATORY.
- THESE DRAWINGS ARE ONLY FOR GENERAL PURPOSES AS THEY ARE BASED ON EXISTING SITE CONDITIONS. A SITE WALKTHROUGH IS MANDATORY FOR SPRINKLER CONTRACTOR.
- SPRINKLER CONTRACTOR TO ALLOW FOR ALL REQUIRED WORK TO ACCOMMODATE NEW PASSPORT OFFICE RENOVATION WORK.
- CONTRACTOR TO ENSURE PROVISIONS ARE MADE FOR OPERATING FIRE PROTECTION SYSTEM WHILE WORK IS BEING COMPLETED.
- CONTRACTOR TO PROVIDE REQUIRED AS-BUILT INFO TO MECHANICAL CONTRACTOR.
- ANY ADDITIONAL SPRINKLER HEADS THAT MAY BE REQUIRED TO COMPLETE FINAL DESIGN ARE CONSIDERED TO BE IN THE SCOPE OF WORK. ADDING OR REMOVING SPRINKLER HEADS OTHER THAN THOSE SHOWN IS NOT CONSIDERED TO BE A CHANGE OF CONTRACT AMOUNT.
- THE SPRINKLER HEAD LOCATIONS SHOWN ARE FOR INFORMATION ONLY (BASED ON AS-BUILT DRAWINGS).
- RE-VERIFY ZONE VALVES WITH FIRE ALARM PANEL.
- PROVIDE ALL NEW SPRINKLER HEADS, INCLUDING CHROME PENDANT SPRINKLERS IN ALL AREAS WITH CEILING AND UPRIGHT IN AREAS WITH NO CEILING, AS PER NFPA 13.
- CONTRACTOR TO TEST COMPLETE SYSTEM.

DRAWING NOTES:

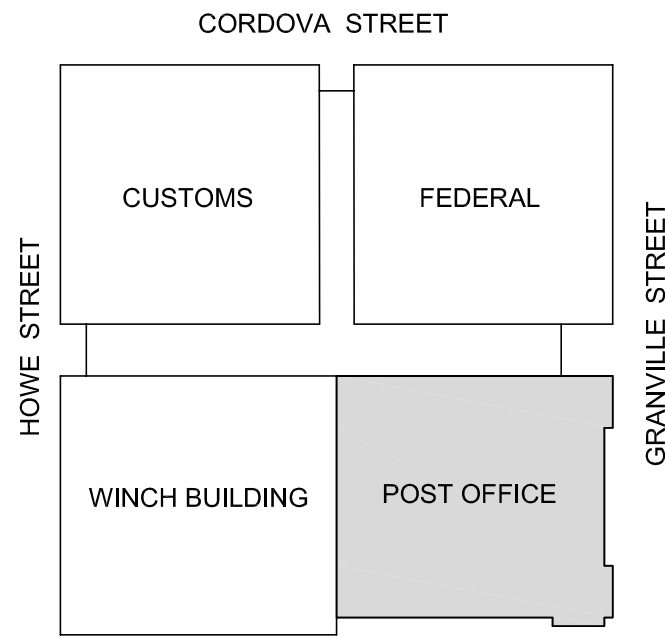
- PROVIDE DEMOLITION OF ALL EXISTING SPRINKLER PIPING, HEADS, VALVES, ETC. AND PROVIDE ALL NEW SPRINKLER COVERAGE TO NFPA 13 REQUIREMENTS, INCLUDING ALL FIRE PROTECTION NOTES ABOVE. ALLOW FOR RE-ROUTING OF EXISTING OF PIPING TO OTHER ZONES TO PROVIDE REQUIRED CLEARANCES FROM NEW SERVICES AND STRUCTURAL UPGRADES. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
- RE-LOCATE EXISTING FIRE HOSE CABINET IN COORDINATION WITH ARCHITECTURAL DRAWINGS.
- RECOMMISSION EXISTING FLOW AND TAMPER SWITCHES
- REMOVE EXISTING KITCHEN HOOD FIRE SUPPRESSION CONTROL PANEL. COORDINATE WITH ELECTRICAL TRADE, INCLUDING DISCONNECTION FROM FIRE ALARM PANEL.
- DISCONNECT ZONE VALVE AND FLOW SWITCH FOR EF11 DUCT SPRINKLERS FROM FIRE ALARM PANEL AND REMOVE SPRINKLERS FROM DEMOLISHED EF-11 KITCHEN EXHAUST DUCTWORK
- PROVIDE NEW TEST DRAINS & ZONE DRAINS FOR THIS AREA. COORDINATE EXACT LOCATION WITH DEPARTMENTAL REPRESENTATIVE.
- ALLOW FOR RE-LOCATION AND DIVERSION (ALLOW 10M, EIGHT (8) ELBOWS) OF 100# SPRINKLER LINE SERVING ESCADA SPACE TO OPPOSITE SIDE OF WALL TO ALLOW ROOM FOR SEISMIC UPGRADE WORK, INCLUDING SLEEVE THROUGH NEW WALL AND OFFSET ON THE FLOOR ABOVE. REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION. IN ADDITION, ALLOW FOR OFFSET OF PIPE AT HIGH LEVEL ON FLOOR ABOVE FROM
- ALLOW FOR RE-WORK OF SPRINKLER HEADS AND PIPING IN THIS ALCOVE TO ALLOW FOR SEISMIC UPGRADES AND TO SUIT ARCHITECTURAL CHANGES TYPICAL FOR FLOOR ABOVE. SEE ARCHITECTURAL DRAWINGS FOR DETAILS



1 FIRE PROTECTION - POST OFFICE - LEVEL B1
M1.03 SCALE: 1:100



PROJECT
NORTH



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Revision/	Description/Description	Date/Date
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1	ISSUED FOR MECHANICAL ADDENDUM #1	2013/06/04
0	ISSUED FOR TENDER	2013/04/24
Client/client		

Project title/Titre du projet
757 W HASTINGS ST, VANCOUVER

**SINCLAIR CENTRE
SINCLAIR CENTRE
REVITALIZATION
PROJECT**

Consultant Signature Only

Designed by/Concept par
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Drawing title/Titre du dessin

**PHASE 2:
HYDRONIC RENOVATION
POST OFFICE LEVEL B1**

Project No./No. du
projet
R041365.001

Sheet/Feuille
M1.04
9 of 16

Revision no./
La Révision
no.
2



1 IMAGE 1: PIPING IN N-W CORNER B1
M1.04 SCALE: N.T.S.



1 IMAGE 2: PIPING IN N-W CORNER L1
M1.04 SCALE: N.T.S.

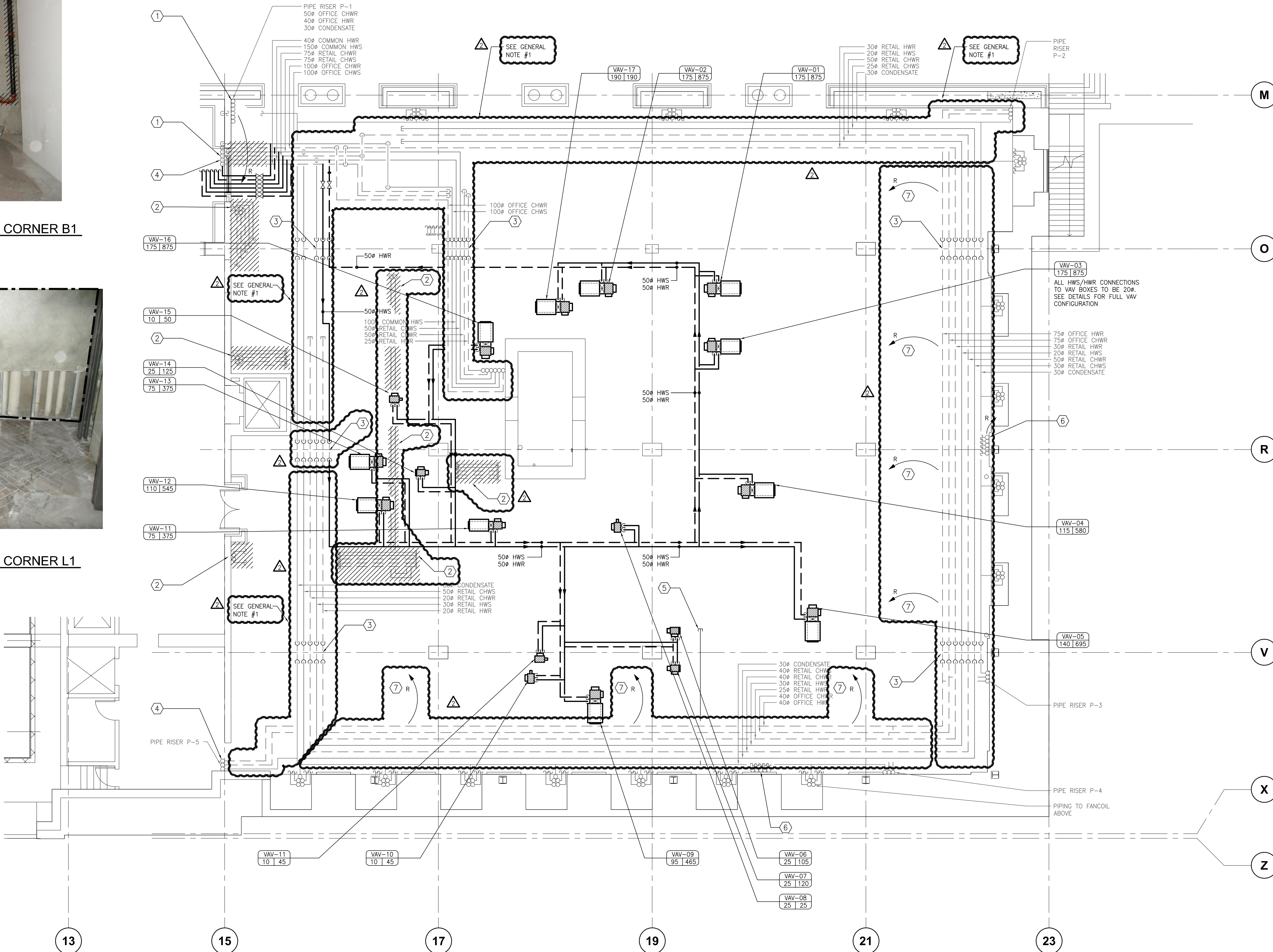
GENERAL NOTES:

- CONTRACTOR TO ALLOW FOR DIVERTING ENTIRE NETWORK OF EXISTING PIPING (HYDRONIC, PLUMBING, ETC.) APPROXIMATELY 300MM LOWER THAN EXISTING (EXACT HEIGHT TO BE DETERMINED ON SITE) TO ALLOW FOR NEW STRUCTURAL UPGRADES, WHICH INCLUDE NEW DIAGONAL CROSS-BRACING BELOW STRUCTURAL RIBS. ALLOW FOR RE-CONNECTION TO ALL RISERS, FANCOILS, ETC.
- REFER TO STRUCTURAL DRAWINGS FOR NEW SEISMIC UPGRADES, INCLUDING NEW 600MM SEISMIC WALL ALONG GRIDLINE 15 AND DRAG STRUTS ALONG GRIDLINES O AND V. EXISTING HYDRONIC LINES, RISERS, AND CONNECTIONS TO FANCOILS ABOVE MUST BE OFFSET, RE-LOCATED, OR DISCONNECTED AND CAPPED TO ACCOMMODATE THESE UPGRADES.
- REFER TO DRAWINGS M1.02, M1.03 AND M1.06 FOR ADDITIONAL INFORMATION ON PLUMBING, FIRE PROTECTION AND HVAC IN THIS AREA.

DRAWING NOTES:

- RE-LOCATE PIPE RISER P-1 (ALLOW FOR SIX(6) 50# WELDED, INSULATED PIPES), AND DIVERT ALL MAINS (ASSUME 10M OF 150# WELDED PIPE AND EIGHT (8) ELBOWS) TO SOUTH TO ALLOW FOR NEW SEISMIC UPGRADES. OFFSET RISER AND ALL PIPING AGAINST WALL FOR 3M ON FLOOR ABOVE. SLEEVE PIPING THROUGH NEW WALL AS REQUIRED. SEE IMAGES 1 AND 2. PROVIDE NEW ISOLATION VALES ON EACH LINE ON LEVELS B1 AND B2. LOCATIONS TO BE COORDINATED ON SITE.
- DEMO FANCOIL ON FLOOR ABOVE AS WELL AS EXISTING FANCOIL PIPING TO ABOVE AND CAP OFF. ENSURE ADEQUATE ROOM IS AVAILABLE FOR NEW SEISMIC UPGRADES.
- OFFSET OF HYDRONIC LINES AS REQUIRED TO ACCOMMODATE NEW SEISMIC DRAG STRUT.
- INSTALL PIPE SLEEVES AROUND EXISTING SERVICES, PRIOR TO NEW CONCRETE WALL INSTALLATION.
- INSTALL NEW 25# CONDENSATE LINE FOR FUTURE SPACE ABOVE, CONNECT TO EXISTING
- RE-LOCATE HWS/R, CHWS/R, CONDENSATE RISERS TO FANCOILS ABOVE TO WINDOW BAYS TO ALLOW FOR NEW CONCRETE. SEE STRUCTURAL/ARCHITECTURAL DWGS.

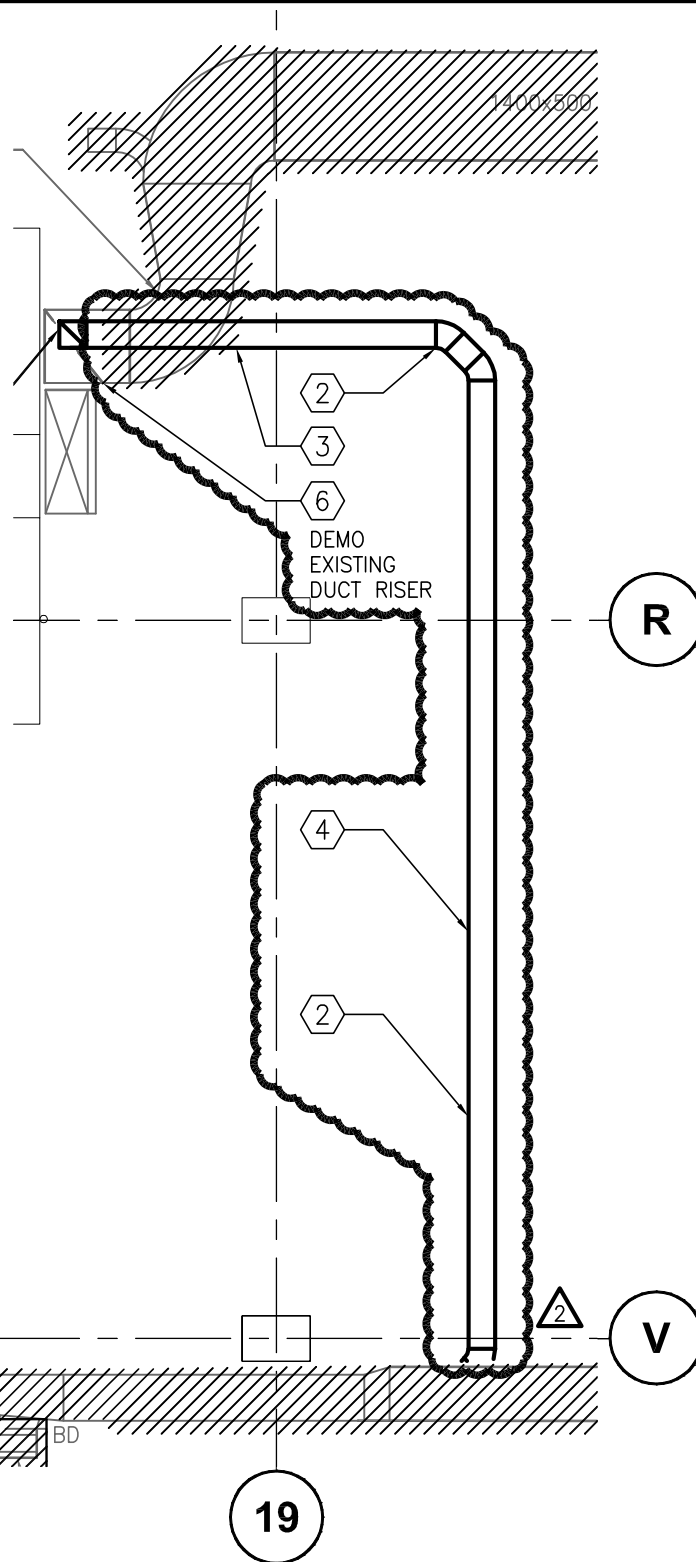
CONTRACTOR TO ALLOW FOR RE-LOCATION OF 30# COND, 40# RETAIL CHWS/R, 30# RETAIL HWS, 25# RETAIL HWR, 40# OFFICE CHWR, 40# OFFICE HWR LINES AWAY FROM SOUTH AND EAST WALLS TO ACCOMMODATE INSTALLATION OF NEW STRUCTURAL BEAM AT HIGH ELEVATION ALONG THE ENTIRE SOUTH AND EAST WALLS (ALONG GRIDLINES X AND Z). COORDINATE WITH DIVERTING OF ALL PIPES IN GENERAL NOTE 1 ABOVE AND REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION



1 HYDRONIC - PASSPORT OFFICE - LEVEL B1
M1.04 SCALE: 1:100

2

- 3 PENETRATIONS OF NEW FIRE-WRAPPED KITCHEN EXHAUST DUCTWORK THROUGH NEW FIRE-RATED R/A BOOT TO MAINTAIN CONTINUOUS FIRE-RATING.
- 4 INSTALLATION OF NEW KITCHEN EXHAUST DUCTWORK TO BE IN FULL COMPLIANCE WITH NFPA 96 (ACCESS PANELS, CLEANOUTS, ETC).
- 5 INSTALL NEW KITCHEN EXHAUST DUCTWORK INSIDE EXISTING SHAFT RISER. PROVIDE ACCESS PANELS AND CLEANOUTS ON EACH FLOOR. PLEASE NOTE THAT CONTRACTOR SHOULD ALLOW FOR ACCESS PANELS THROUGH FIRE-RATED SHAFT, AND CLEANOUTS FOR THE NEW KITCHEN EXHAUST DUCTWORK ON EACH FLOOR.
- 6 EXISTING KITCHEN EXHAUST FIRE-RATED RISER TO BE CONVERTED TO GENERAL EXHAUST PLENUM AND ALSO USED AS SHAFT FOR NEW KITCHEN EXHAUST DUCTWORK. EXISTING KITCHEN DUCTWORK IS TO BE COMPLETELY DEMOLISHED PRIOR TO INSTALLATION OF NEW.
- 7 RUN NEW KITCHEN EXHAUST DUCT INSIDE GENERAL EXHAUST FIRE-RATED SHAFT UP TO ROOF KITCHEN EXHAUST UPBLAST FAN (FULLY-WELDED PENETRATIONS OF NEW KITCHEN EXHAUST DUCT THROUGH GENERAL EXHAUST DUCT WITHIN PENTHOUSE MECHANICAL ROOM.



2

RUN NEW 350X250 DUCT ALONG GRIDLINE V ONCE EXISTING IS DEMOLISHED (SEE M1.06)

BD

BD

THIS SKETCH IS TO BE USED IN CONJUNCTION WITH DRAWINGS: M1.05



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PROJECT TITLE
**SINCLAIR CENTRE
REVITALIZATION - PHASE 2**

DRAWN BY

PE

CHECKED BY

ZP

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DRAWING TITLE

KITCHEN HVAC PLAN

SCALE

1:100

DATE

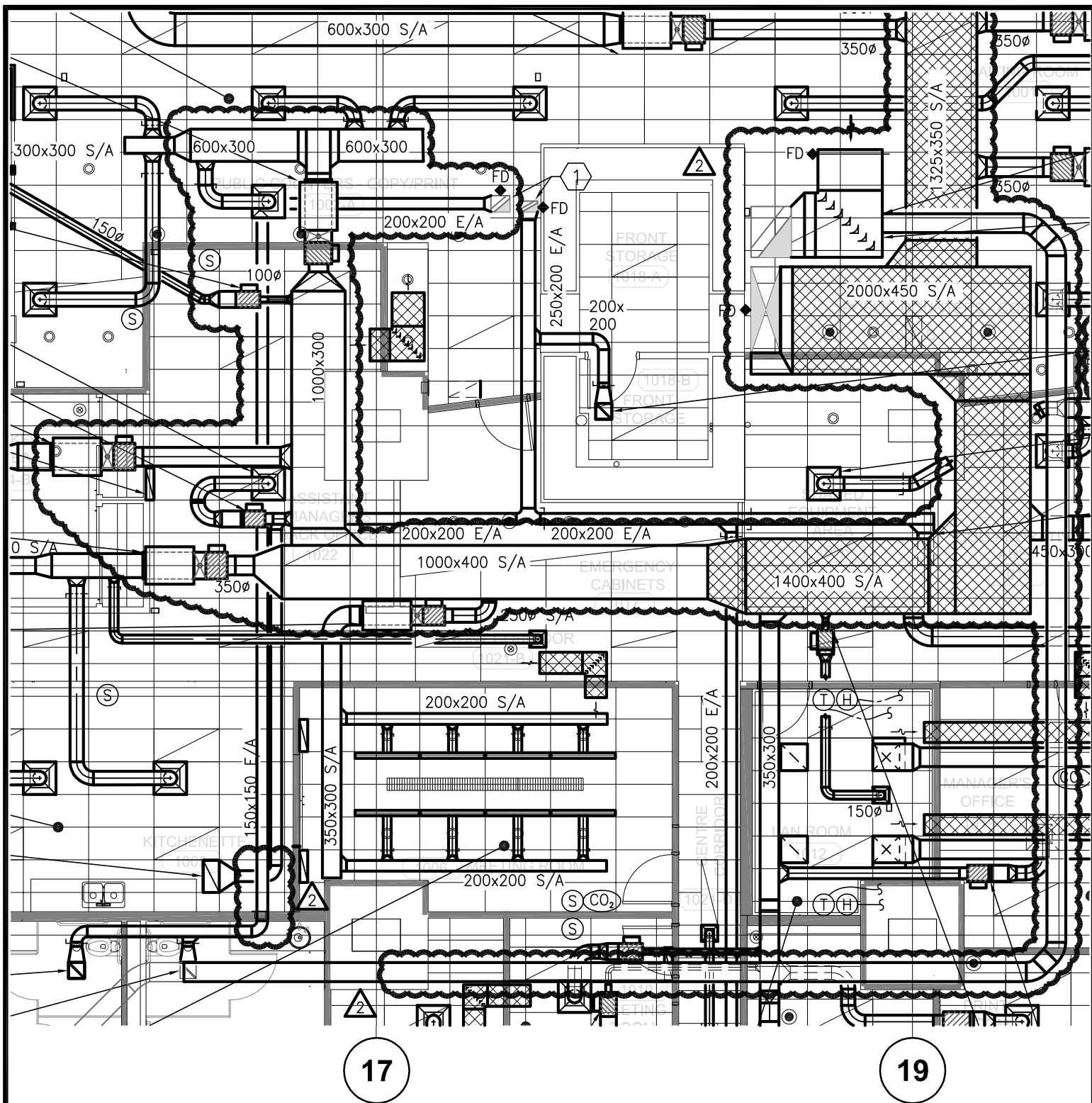
14.06.2013

PROJECT NO.

059B-004-12

DRAWING NO.

MADD-2.5



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PROJECT TITLE
**SINCLAIR CENTRE
REVITALIZATION - PHASE 2**

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







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DRAWING TITLE
**HVAC RENOVATION
PLAN**

SCALE 1:100
DATE 14.06.2013

PROJECT NO. 059B-004-12
DRAWING NO. MADD-2.6

SECURITY

	CCTV CAMERA
	DOOR CONTACT
	KP CARD READER KP=READER WITH KEYPAD
	ELECTRIC STRIKE
	WALL MOUNTED DUAL TECHNOLOGY MOTION DETECTOR
	PANIC ALARM PUSH BUTTON
	KEY PAD
	PASSIVE INFRA-RED DETECTOR
	CEILING MOUNTED 360° MOTION DETECTOR
	GLASS BREAK DETECTOR
	BUZZER
	CCTV MONITOR
	KEYSWITCH
	ELECTRO-MAGNETIC DOOR LOCK
	REQUEST TO EXIT
	EMERGENCY STATION PULL CORD
	FLOOD DETECTOR SENSOR
	PANIC ALARM STROBE LIGHT
	CEILING MOUNTED DUAL TECHNOLOGY MOTION DETECTOR

3

3

consultant



project

SINCLAIR CENTRE
REVITALIZATION

drawing title

REVISED & ADDITIONAL SYMBOLS

designed

AS

scale
N.T.S

date
2013-06-12

drawn

AS

project no.
2-12-085

checked
ER

approved
XX

drawing no.

EAD003-E0-1

rev.

X

													STARTER				DISC.			PILOT DEVICE				E M P O W E R
													T Y P E	S U P P L I E D	I N S T A L L E D	W I R E D	S U P P L I E D	I N S T A L L E D	W I R E D	T Y P E	S U P P L I E D	I N S T A L L E D	W I R E D	
UNIT No.	UNIT DESCRIPTION	LOCATION	V	PH	HP	(A)	(VA)	BREAKER	FEEDER		CONDUIT	PANEL CIRCUIT												
AC-1	LAN ROOM AC UNIT	PASSPORT OFFICE	208	3		25	8827	35	3c	10	1/2"	PP-21	INT	M	M	E	E	E	E	DDC	M	M	E	N
CU-1	CONDENSING UNIT	B2 PARKING GARAGE	208	3		20	7025	35	3c	10	1/2"	PP-21	INT	M	M	E	E	E	E	DDC	M	M	E	N
AC-2	LAN ROOM AC UNIT	PASSPORT OFFICE	208	3		25	8827	35	3c	10	1/2"	PP-21	INT	M	M	E	E	E	E	DDC	M	M	E	N
CU-2	CONDENSING UNIT	B2 PARKING GARAGE	208	3		20	7025	35	3c	10	1/2"	PP-21	INT	M	M	E	E	E	E	DDC	M	M	E	N
VAV BOXES	VAV BOX WITH HW REHEAT VALVE	PASSPORT OFFICE	120	1		###	#N/A	#N/A	2c	#N/A	#N/A		INT	M	M	E	E	E	E	DDC	M	M	E	N
PL. FIXTURES	HARD-WIRED PL. FIXTURES	VARIOUS	120	1		###	#N/A	#N/A	2c	#N/A	#N/A		INT	M	M	E	E	E	E	INT	M	M	E	N
DHWT-1	ELECTRICA HOT WATER HEATER	B1 JANITOR CLOSET	120	1		25	3000	30	2c	8	3/4"	PP-21	INT	M	M	E	E	E	E	TSTAT	M	M	E	N
DHWT-2	ELECTRICA HOT WATER HEATER	FEDERAL BUILDING EAST CRU	120	1		25	3000	30	2c	8	3/4"	PP-6	INT	M	M	E	E	E	E	TSTAT	M	M	E	N
FF-1	FORCE-FLOW HEATER	B1 FEDERAL WOMEN'S WASHROOM	208	3		6	2017	15	3c	12	1/2"	PP-6		M	M	E	E	E	E	TSTAT	M	M	E	N
SF-6	SUPPLY FAN (MOTOR ONLY)	POST OFFICE PENTHOUSE	575	3	20.00	22	21910	50	3c	10	1/2"		MAG	M	M	E	E	E	E	DDC	M	M	E	N
EF-10	EXHAUST FAN	POST OFFICE PENTHOUSE	575	3	1.00	1	1394	15	3c	12	1/2"		MAG	M	M	E	E	E	E	DDC	M	M	E	N
EF-11	EXHAUST FAN	POST OFFICE PENTHOUSE	575	3	10.00	11	10955	25	3c	12	1/2"		VFD	M	M	E	E	E	E	DDC	M	M	E	N
EF-11-L	KITCHEN EXHAUST FAN	POST OFFICE PENTHOUSE	575	3	3.00	4	3884	15	3c	12	1/2"		MAG	M	M	E	E	E	E	DDC	M	M	E	N
SF-11	SUPPLY FAN (MOTOR ONLY)	B3 MECHANICAL ROOM	575	3	10.00	11	10955	25	3c	12	1/2"		MAG	M	M	E	E	E	E	DDC	M	M	E	N
EF-5	RETURN FAN (MOTOR ONLY)	B3 MECHANICAL ROOM	575	3	15.00	17	16931	40	3c	10	1/2"		MAG	M	M	E	E	E	E	DDC	M	M	E	N

1.0 GENERAL

1.1 SCOPE OF WORK

- .1 The Contractor shall supply and install a new Category 5E structured cabling system for voice and data applications as part of construction re-fit of the Passport Canada regional office in Vancouver
- .2 57 category 5e cables to connect the various PCs and network printer to the patch panel that is installed in the LAN cabinet.
- .3 The Contractor shall provide in hard copy and electronic form an as-built drawing showing the location and identification number of every RJ-45 jack installed.

1.2 DESCRIPTION OF NETWORK

- .1 Passport Canada's main network room will be located in the room marked LAN Room, and all horizontal distribution cables shall terminate in that room.

2.0 PRODUCTS

2.1 HORIZONTAL CABLES USED TO LINK WORKSTATIONS TO A TELECOMMUNICATIONS JACK

- .1 Connection to workstation (jacks and connectors)
 - .1 There will be a combination of single, double, triple and quadruple jacks; brushed aluminum wall plates will be required.
 - .2 Modular Category 5E 8-pin female connectors (RJ-45), blue for data, shall be supplied and installed.
 - .3 Equipment cords and patch cords:
Blue, 5-, 10- and 15-foot patch cords with Category 5E RJ-45 male connectors at both ends will be required for connections between the jack and the workstation (see table for exact lengths and quantities)..

2.2 TERMINATION AND INTERCONNECT SYSTEM FOR UNSHIELDED TWISTED-PAIR CABLES

- .1 Conduit: type EM 1, in accordance with Section 26 05 34 - Conduits, Conduit Fastenings and Conduit Fittings.
- .2 Conductors: #10 minimum type in accordance with Section 26 05 21 - Wires and Cables 0-1000 V, sized in accordance with manufacturer's recommendations.

3.0 EXECUTION

3.1 INSTALLATION OF UNSHIELDED TWISTED-PAIR HORIZONTAL DISTRIBUTION CABLES

- .1 Every cable shall be installed in a continuous run with no cuts or splices between the workstation and the patch panel in the LAN Room.
- .2 All of the cables covering a given work area shall be bundled together using Velcro straps (without applying any stress) and hung on Caddy "J" hooks supplied and installed by the Contractor, and the capacity of the hooks shall not be exceeded. (Tie wraps will not be accepted.)
- .3 The hooks shall be spaced approximately 5 feet apart and shall not be overloaded; the capacity of the hooks shall not be exceeded.
- .4 Under no circumstances shall cables rest on the suspended ceiling.
- .5 No cable shall be longer than 90 metres.

- .6 For cables terminating in furniture, an extra 3 metres of every cable installed shall, if possible, be coiled in the ceiling at the entry point closest to the workstation.
- .7 For cables terminating in furniture, the cables should be brought down either through the wall or through integrated jiffy poles and the LAN jacks should be mounted at the bottom of the work surface. These LAN jacks should be closer to where the workstations will be installed in the offices.
- .8 For cables terminating in furniture on the front counter, the cables should be brought down through integrated jiffy poles existing between the counters (as part of the furniture). They should be fed into the raceway inside of each counter and should be provided with a box jack placed inside the raceway. The LAN jacks should be terminated at the bottom of the work surface. They should be mounted properly at an easily accessible place for connecting the patch cables to the PCs
- .9 Extra cables shall have an RJ-45 connector with a protective cover at one end and shall be coiled, tied, labelled and hung in the ceiling at the locations indicated on the drawing. The other end of these cables shall terminate at the patch panels in the LAN Room.

3.2 INSTALLATION OF UTP CABLES

- .1 Connection to workstations
 - .1 For wall jacks, electrical boxes and flexible conduit with a pull cord shall be installed first.
 - .2 For modular furniture jacks, the cables shall run to their termination point through the power poles incorporated into the furniture.
 - .3 For extra cables, the connectors shall be installed but the cables shall be coiled in the ceiling at the locations indicated on the drawing.
- .2 Identification and labelling
 - .1 Stickers picturing a telephone and a computer shall be applied to the plate for clearer identification.
 - .2 The cables shall be numbered sequentially, voice and data separately, that is, V-01 / D-01.

EQUIPMENT SUPPLIED BY THE CONTRACTOR (partial list)

DESCRIPTION	QUANTITY
Category 5e cables:	
5-foot patch cords – blue	30
10-foot patch cords – blue	20
15-foot patch cords – blue	7
Total Data cables – blue	57
Velcro straps	As needed
Stickers / Data	As needed

PROJECT # R.041365.001

SINCLAIR CENTER REVITALIZATION

VANCOUVER, BC

ELECTRICAL

COMMUNICATION CABLES INSIDE BUILDINGS

SECTION 27 05 14

12/06/2013

PAGE 3

END OF SECTION 270514