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- E01 - SITE PLAN
- E02 - BUILDING M FLOOR PLAN
- E03 - DEMOLITION PLAN
- E04 - NEW CANTEEN FLOOR PLAN
- E05 - DETAILS

1 SITE PLAN

Scale: 1:2000

Client/client CORRECTIONAL SERVICE CANADA	Project title/Titre du projet MISSION MEDIUM INSTITUTION 8751 STAVE LAKE STREET, MISSION, BC BUILDING M CANTEEN RELOCATION	Drawing title/Titre du dessin SITE PLAN	Consultant Signature & Date Only		PWGSC Project Manager/Administrateur de Projets TPSGC PAUL RITHALER		Project No./No. du projet R.097976.001		
			Designed by/Concept par MAX CHENG		PWGSC Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC PREETIPAL PAUL		Sheet/Feuille A01		Revision/ Revision 0
			Drawn by/Dessiné par MAX CHENG		Date/Date 2019-09-13		OF		

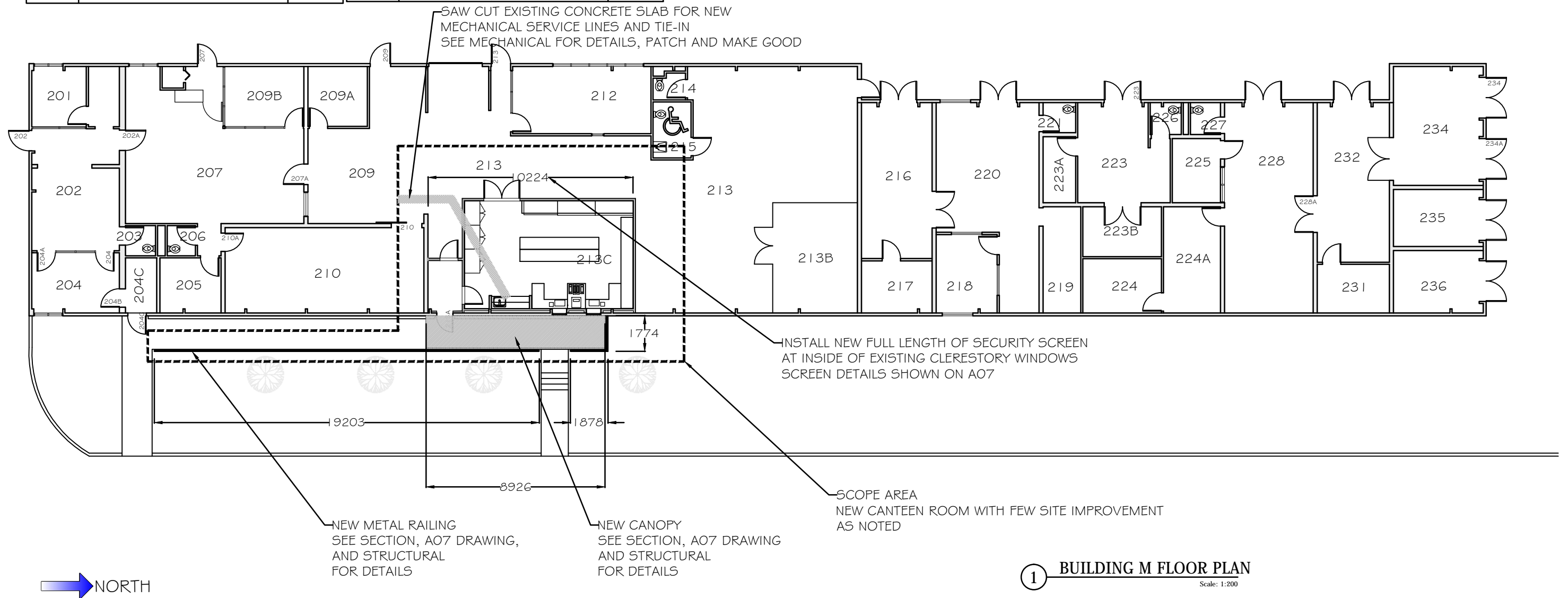




Unit M			Unit M		
Rm. #	Name	Area m ²	Rm. #	Name	Area m ²
Maintenance - First Floor			210	Inmates Clothing	45.55
201	Programs Coordinator	9.29	212	ISS General Office	24.84
202	Inmate Programs Assistant	34.42	213	Institutional Supply & Service	190.30
203	Staff Washroom	3.14	213b	Storage	24.37
204	Boardroom	14.87	213c	Canteen Storage	#####
204c	Inmate Waiting Area	5.29	214	Inmate Washroom	3.20
205	Storage	9.47	215	B.F. Staff Washroom	5.79
206	Staff Washroom	2.81	216	Grounds	29.73
207	Finance Area	62.82	217	Grounds	10.42
209	Institutional Supply & Service	38.45	218	Chief of Works	13.14
209a	Chief Inst. Supply & Service	9.91	219	Plan Room	11.25
209b	Chief Finance Office	13.02	220	Works Office	44.38
			221	Staff Washroom	3.10
			223	Electrical Shop	22.68
			223a	Electronics Office	6.22
			223b	Storage	10.62
			224	Storage	11.66
			224a	Paint Storage & Shop	16.62
			225	Carpenters Office	8.70
			226	Inmate Washroom	3.33
			227	Inmate Washroom	3.35
			228	Carpentry & Paint Shop	49.82
			231	Plumbers Office	9.98
			232	Plumbers Shop	31.01
			234	Plumbers Storage	29.34
			235	Carpentry/Storage	14.40
			236	Fire Equipment Storage	15.84

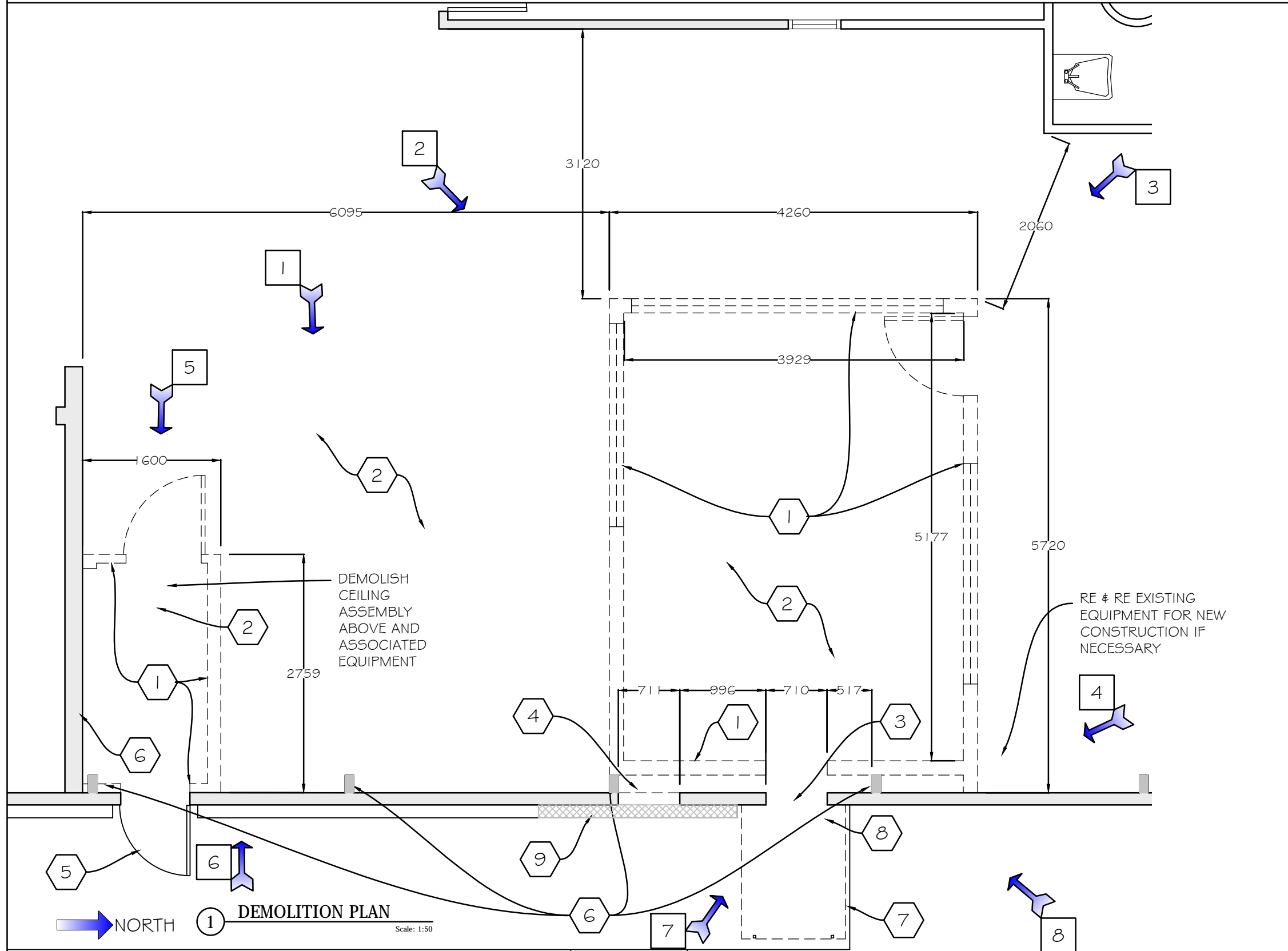
GENERAL NOTES

1. DEMOLISH AND DISPOSE EXISTING STORAGE ROOM PARTITIONS AND ASSOCIATED BUILDING COMPONENTS AS IDENTIFIED WITH DASHED LINES IN A03 DRAWING. PATCH AND MAKE GOOD FOR NEW CONSTRUCTION.
2. SALVAGE / DISPOSE THE DEMOLITION DEBRIS ACCORDING TO SPECIFICATION.
3. MOVE EQUIPMENT, MILLWORK AND FURNITURE WITHIN THE SCOPE AREA TO A DESIGNATED AREA.
4. EXISTING CONCRETE SLAB TO REMAIN EXCEPT NOTED OTHERWISE.
5. CONSTRUCT NEW CANTEEN ROOM ACCORDING TO A04 DRAWING.
6. SEE STRUCTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS & SPECIFICATION FOR ADDITIONAL REQUIREMENTS.
7. REFER TO HAZMAT REPORT FOR HAZARDOUS MATERIALS DISPOSAL



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			Designed by/Concept par MAX CHENG	PWGSC Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC PREETIPAL PAUL	Sheet/Feuille A02	Revision/ Revision 0
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LEGEND

- PHOTO VIEWING DIRECTION
- PHOTO NUMBER LISTED ON A05 AND A06
- DEMOLISH AND DISPOSE EXISTING PARTITIONS (DASHED LINES), DOOR, WINDOWS AND FINISHES. REMOVE OR RELOCATE ALL EQUIPMENT AND SERVICES ATTACHED ON THESE PARTITIONS TO NEW LOCATIONS AS IDENTIFIED WITHIN.
- EXISTING CONCRETE SLAB TO REMAIN. REMOVE AND DISPOSE EXISTING FLOOR FINISH. REMOVE AND RELOCATE ALL FURNITURE AND EQUIPMENT
- EXISTING WINDOW OPENING TO REMAIN. DEMOLISH EXISTING WINDOW, FLASHING, AND SHUTTER
- CUT NEW WINDOW OPENING THROUGH EXISTING EXTERIOR INSULATED WALL PANEL, DIMENSIONS AND HEIGHT TO MATCH WITH EXISTING WINDOW OPENING.
- EXISTING DOOR TO REMAIN BUT REFIT IT WITH NEW DOOR HARDWARE. REMOVE EXISTING EXTENSION BOLTS, TOP AND BOTTOM FOR FREE EGRESS FROM INSIDE. COVER BOLT OPENINGS WITH 16 GA. PLATES. PAINT ENTIRE DOOR AND FRAME.
- EXISTING TO REMAIN
- DEMOLISH AND DISPOSE EXISTING CANOPY WITH SUPPORTING COLUMNS AND WIND SCREENS. REMOVE ALL ASSOCIATED BRACKETS AND FASTENERS
- REMOVE EXISTING VENTING OUTLET AND SCREEN. COVER THE OPENING WITH 12 GA STEEL PLATE, PAINTED TO MATCH WALL CLADDING COLOUR
- REMOVE EXISTING GRAVEL. POUR NEW CONCRETE WALKWAY TO MATCH EXISTING

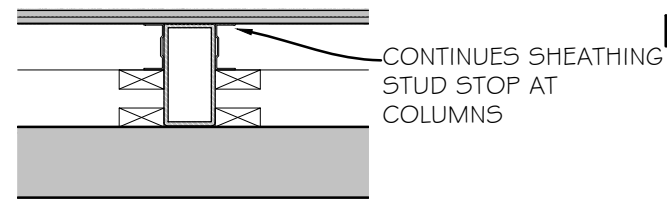
RE # RE EXISTING EQUIPMENT FOR NEW CONSTRUCTION IF NECESSARY

DEMOLISH CEILING ASSEMBLY ABOVE AND ASSOCIATED EQUIPMENT

1 DEMOLITION PLAN
Scale: 1:50

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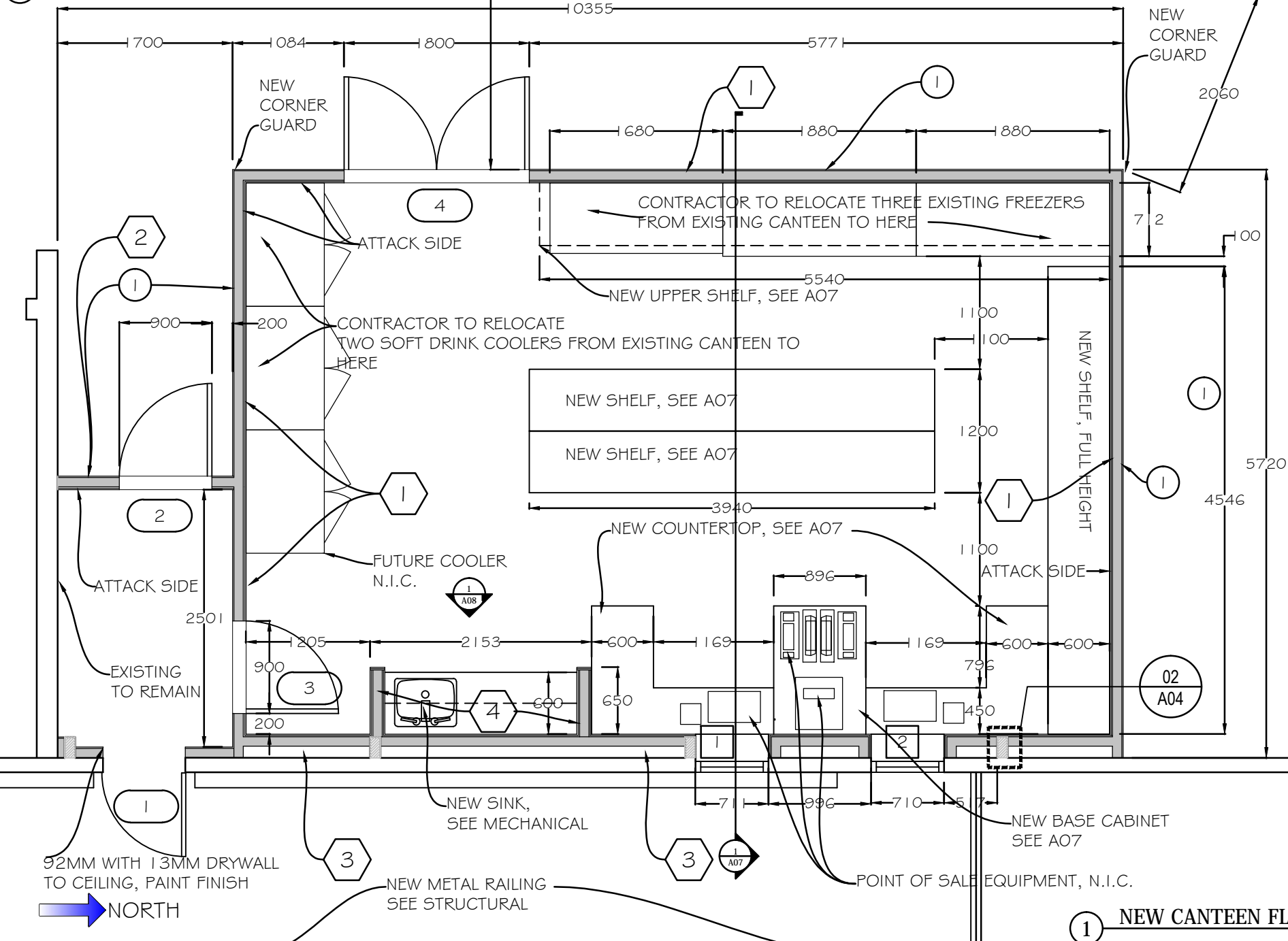




CONTINUES SHEATHING
STUD STOP AT
COLUMNS

2 WALL TYPE 3 @ EXISTING COLUMNS, TYP.

Scale: 1:15



LEGEND

X

DOOR NUMBER
REFER IT TO A08
DOOR SCHEDULE

X

WINDOW NUMBER
SINGLE-HUNG
WINDOW, BOTTOM
LITE IS MOVABLE,
FOR OPENING
710MMX910MM
INSULATED GLASS
UNIT -
6MM FLOAT GLASS
13MM AIR SPACE
6MM FLOAT GLASS
LOW-E COATING
2ND PANE

1

200MM HEIGHT,
25MM THICK
FIBER CEMENT
WALL BASE

WALL SCHEDULE

- 1 WALL ASSEMBLY DESCRIPTIONS FROM INSIDE TO OUTSIDE - SLAB TO ROOF DECK FULL HEIGHT.
- 13MM GYPSUM WALL BOARD WITH PAINT FINISH
 - 13MM PLYWOOD FASTENED TO STUDS @200MM O.C. MAX.
 - 16 GA SHEET METAL CONTINUOUSLY ATTACHED TO STUDS @200MM O.C. MAX
 - 92MM METAL STUDS @400MM O.C. MAX, SEE STRUCTURAL
 - 13MM GYPSUM WALL BOARD ABOVE 1200MM AFF, 13MM PLYWOOD BELOW 1200MM AFF. WITH PAINT FINISH
- 2 WALL ASSEMBLY DESCRIPTIONS FROM INSIDE TO OUTSIDE - SLAB TO CEILING ASSEMBLY @2440MM ABOVE FINISHED FLOOR.
- 13MM GYPSUM WALL BOARD WITH PAINT FINISH
 - 13MM PLYWOOD FASTENED TO STUDS @200MM O.C. MAX.
 - 16 GA SHEET METAL CONTINUOUSLY ATTACHED TO STUDS @200MM O.C. MAX
 - 92MM METAL STUDS @400MM MAX, SEE STRUCTURAL
 - 13MM GYPSUM WALL BOARD ABOVE 1200MM AFF, 13MM PLYWOOD BELOW 1200MM AFF. WITH PAINT FINISH.
- 3 WALL ASSEMBLY DESCRIPTIONS FROM INSIDE TO OUTSIDE - SLAB TO UNDERSIDE OF EXISTING BEAM ABOVE, SEE SECTION.
- 13MM GYPSUM WALL BOARD WITH PAINT FINISH
 - 13MM PLYWOOD FASTENED TO STUDS @200MM O.C. MAX.
 - 16 GA SHEET METAL CONTINUOUSLY ATTACHED TO STUDS @200MM O.C. MAX
 - 92MM METAL STUDS @ 400MM MAX, SEE STRUCTURAL
 - CAVITY
 - EXISTING EXTERIOR INSULATED WALL PANEL TO REMAIN
- 4 WALL ASSEMBLY DESCRIPTIONS, HEIGHT MATCH UPPER SHELVING
- 13MM GYPSUM WALL BOARD WITH PAINT FINISH
 - 13MM PLYWOOD FASTENED TO STUDS @200MM O.C. MAX.
 - 16 GA SHEET METAL CONTINUOUSLY ATTACHED TO STUDS @200MM O.C. MAX
 - 92MM METAL STUDS @ 400MM MAX, SEE STRUCTURAL
 - 13MM SHEET METAL
 - 13MM PLYWOOD
 - 13MM GYPSUM WALL BOARD WITH PAINT FINISH

1 NEW CANTEEN FLOOR PLAN

Scale: 1:50

Client/client CORRECTIONAL SERVICE CANADA	Project title/Titre du projet MISSION MEDIUM INSTITUTION 8751 STAVE LAKE STREET, MISSION, BC BUILDING M CANTEEN RELOCATION	Drawing title/Titre du dessin NEW CANTEEN FLOOR PLAN	Consultant Signature & Date Only		PWGSC Project Manager/Administrateur de Projets TPSPG PAUL RITHALER	Project No./No. du projet R.097976.001	Sheet/Feuille A04 OF	Revision/ Revision 0
			Designed by/Concept par MAX CHENG		PWGSC Regional Manager, Architectural and Engineering Services/ Gestionnaire régional, Services d'architecture et de génie, TPSPG PREETIPAL PAUL			
			Drawn by/Dessiné par MAX CHENG		Date/Date 2019-09-13			





1 PHOTO OF EXISTING CONDITION

Scale: N.T.S.



2 PHOTO OF EXISTING CONDITION

Scale: N.T.S.

- LEGEND
- 1 DEMOLISH AND DISPOSE DEBRIS ACCORDING TO SPECIFICATION
 - 2 EXISTING TO REMAIN
 - 3 REMOVE AND RE-INSTALL EXISTING SERVICES TO NEW LOCATION PER ELECTRICAL OR MECHANICAL DRAWINGS
 - 4 ADD SECURITY SCREEN, WELDED WIRE OF 6 GA. TYPICALLY 25MM X 25MM OPENINGS FOR ENTIRE EXISTING CLERESTORY WITHIN THE NEW CANTEEN.
 - 5 MOVE EXISTING FURNITURE AND EQUIPMENT TO A DESIGNATED AREA TO FACILITATE CONSTRUCTION
 - 6 EXISTING CONCRETE SLAB TO REMAIN. PATCH AND MAKE GOOD
 - 7 REFER TO ELECTRICAL, MECHANICAL AND STRUCTURAL DRAWINGS FOR DETAILS



3 PHOTO OF EXISTING CONDITION

Scale: N.T.S.

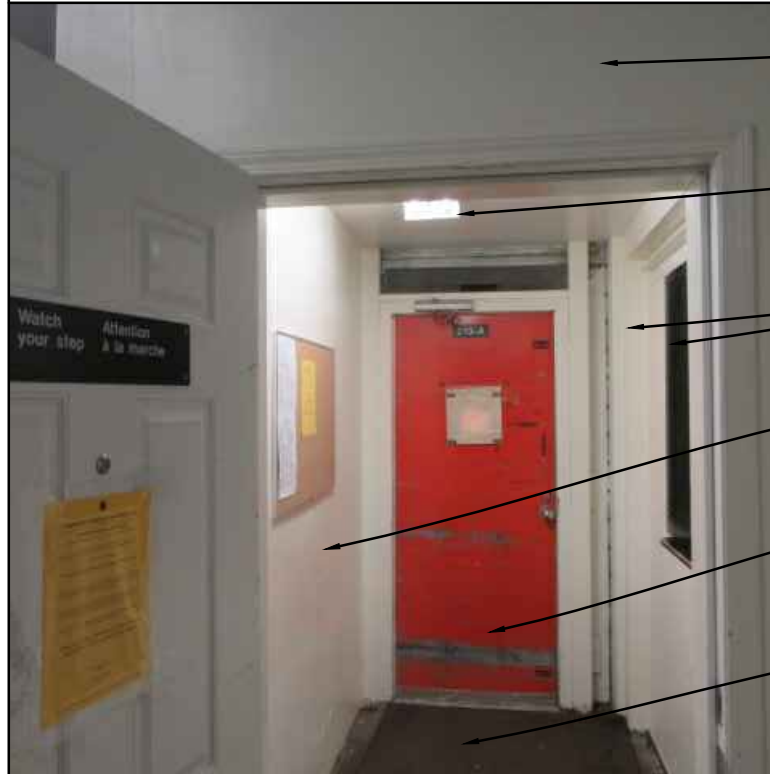


4 PHOTO OF EXISTING CONDITION

Scale: N.T.S.

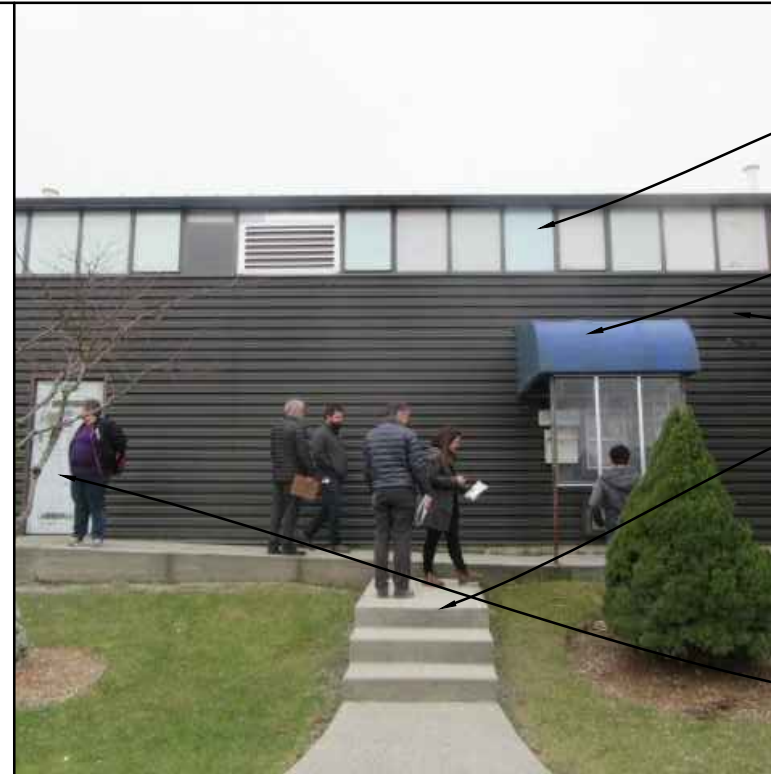
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5 PHOTO OF EXISTING CONDITION

Scale: N.T.S.



6 PHOTO OF EXISTING CONDITION

Scale: N.T.S.



7 PHOTO OF EXISTING CONDITION

Scale: N.T.S.



8 PHOTO OF EXISTING CONDITION

Scale: N.T.S.

- LEGEND
- 1 DEMOLISH AND DISPOSE DEBRIS ACCORDING TO SPECIFICATION
 - 2 EXISTING TO REMAIN
 - 3 REMOVE AND RE-INSTALL EXISTING SERVICES TO NEW LOCATION PER ELECTRICAL OR MECHANICAL DRAWINGS
 - 4 ADD SECURITY SCREEN, WELDED WIRE OF 6 GA. TYPICALLY 25MM X 25MM OPENINGS FOR ENTIRE EXISTING CLERESTORY WITHIN THE NEW CANTEEN.
 - 5 MOVE EXISTING FURNITURE AND EQUIPMENT TO A DESIGNATED AREA TO FACILITATE CONSTRUCTION
 - 6 EXISTING CONCRETE SLAB TO REMAIN. PATCH AND MAKE GOOD
 - 7 REFER TO ELECTRICAL, MECHANICAL AND STRUCTURAL DRAWINGS FOR DETAILS
 - 8 EXISTING DOOR AND FRAME TO REMAIN REPLACE EXISTING LOCKSET, FOR FREE EGRESS FROM INSIDE. REMOVE EXISTING EXTENSION BOLTS, TOP & BOTTOM AND COVER THE VOID WITH 1 GGA SHEET METAL. PAINT ENTIRE DOOR AND FRAME
 - 9 REMOVE EXISTING VENT AND SECURITY SCREEN. COVER THE OPENING WITH 1 2GA. SHEET METAL WITH SECURITY FASTENERS @ 200MM O.C. MAX.
 - 10 NEW WINDOW PER SCHEDULE

Client/client
CORRECTIONAL SERVICE CANADA

Project title/Titre du projet
MISSION MEDIUM INSTITUTION 8751 STAVE LAKE STREET, MISSION, BC
BUILDING M CANTEEN RELOCATION

Drawing title/Titre du dessin
PHOTOS OF EXISTING CONDITION

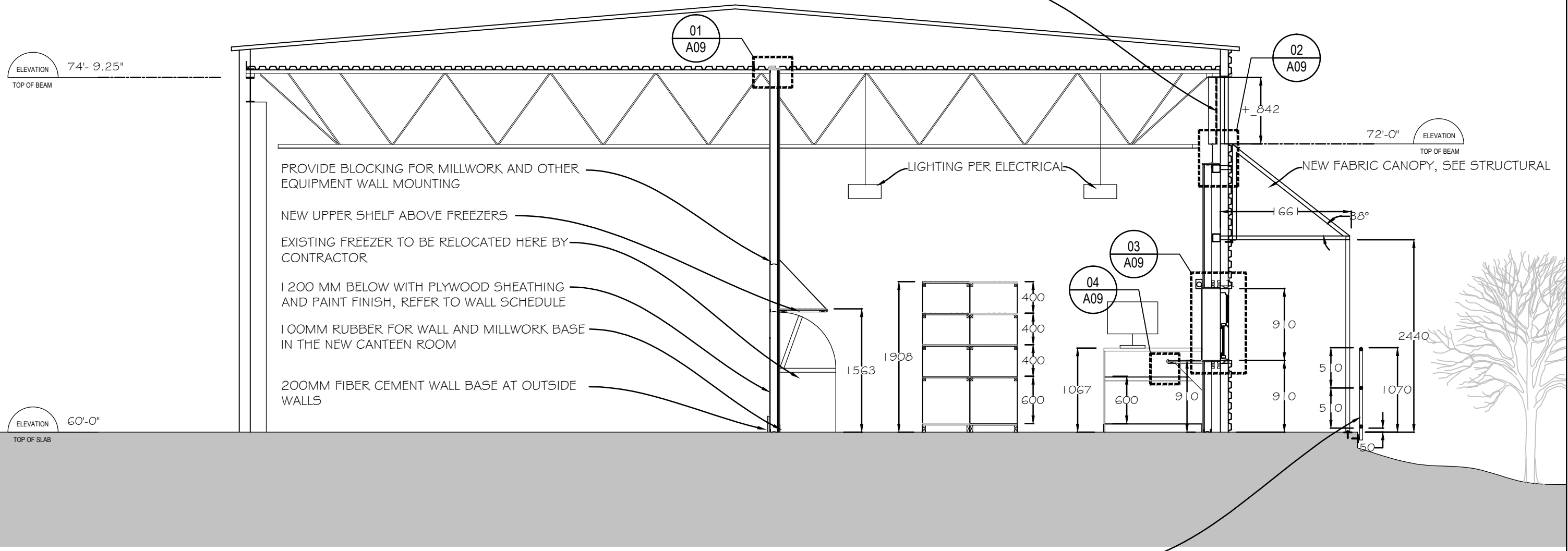
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Drawn by/Dessiné par MAX CHENG

PWGSC Project Manager/Administrateur de Projets TPSGC PAUL RITHALER
PWGSC Regional Manager, Architectural and Engineering Services/Gestionnaire régionale, Services d'architecture et de génie, TPSGC PREETIPAL PAUL
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NEW SECURITY SCREEN FOR FULL LENGTH OF EXISTING CLERESTORY
WINDOWS WITHIN NEW CANTEEN AND VESTIBULE
6GA WELDED WIRE WITH 25MMX25MM OPENINGS
SCREEN SHALL BE FRAMED BY FLAT BARS THEN FASTENED OR
WELDED TO EXISTING STRUCTURES @ 200MM O.C. MAX.



1 SECTION

Scale: 1:100

42MM DIA. GALVANIZED PIPE RAILING
VERTICAL POST @ 1500MM O.C. MAX.
SEE STRUCTURAL FOR CONNECTIONS AND MOUNTING

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			Designed by/Concept par MAX CHENG	PWGSC Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC PREETIPAL PAUL	Sheet/Feuille A07	Revision/ Revision 0
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DOOR AND FRAME SCHEDULE

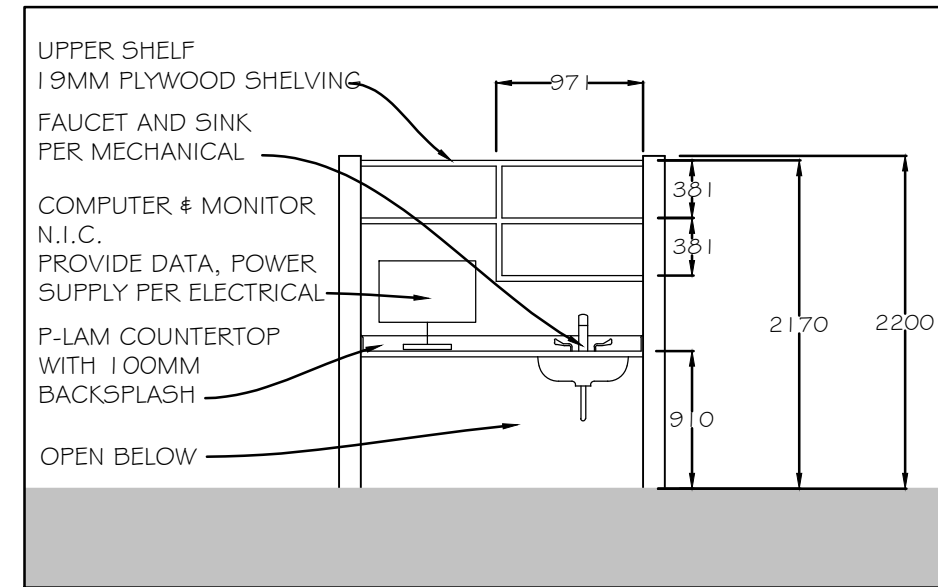
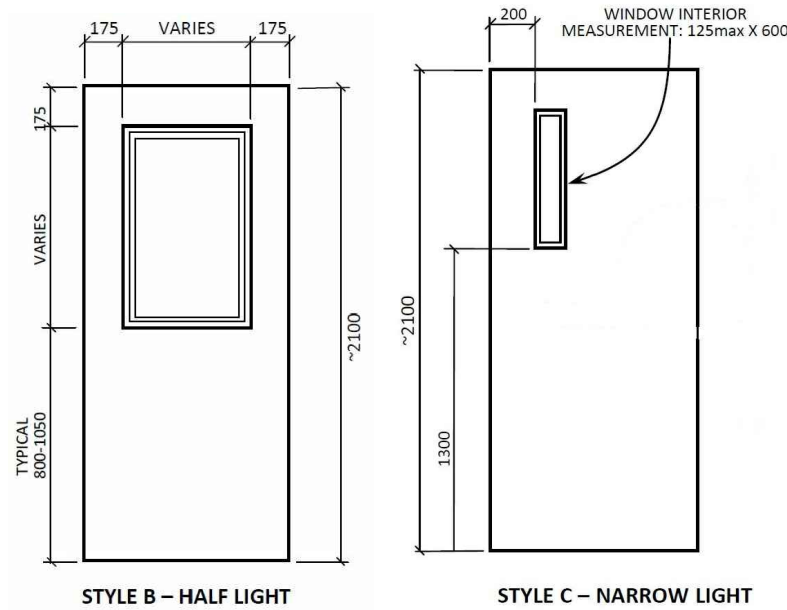
No.	LEAF QUANTITY	DOOR SIZE			DOOR					FIRE RATING	HDW SET No.	FRAME					REMARKS
		WIDTH	HEIGHT	THICK.	TYPE	MATERIAL	FINISH	GLAZING	TYPE			THROAT	MATERIAL	FINISH	ELEVATION	FRAME DEPTH	
1	SINGLE	EXIST.	EXIST.	EXIST.		EXIST.	RE-PAINTED	NONE		NONE	1	EXIST.	EXIST.	RE-PAINTED	EXIST.	EXIST.	
2	SINGLE	900	2100	45		H.M.	PAINTED	TYPE I	TYPE C	NONE	2	131	H.M.	PAINTED		50	
3	SINGLE	900	2100	45		H.M.	PAINTED	TYPE I	TYPE C	NONE	2	131	H.M.	PAINTED		50	
4	PAIR	900	2100	45		H.M.	PAINTED	TYPE I	TYPE B	NONE	3	131	H.M.	PAINTED		50	

GLAZING TYPE 1 : TWO LAYERS OF 6MM FLOAT GLASS HELD BY MINIMALLY A 0.78MM (30 MIL) INTERLAYER OF POLYVINYL BUTYRAL (PVB)

HARDWARE GROUP 1 : MORTISE LOCKSET, CLASSROOM FUNCTION (FREE EGRESS FROM INSIDE ALWAYS)

HARDWARE GROUP 2: MORTISE LOCKSET CLASSROOM FUNCTION (FREE EGRESS FROM INSIDE ALWAYS), CLOSER, THRESHOLD, GASKETS AND DOOR STOPS

HARDWARE GROUP 3 : MORTISE DEADLOCK MODEL# EO68 I WITH DUMMY LEVER HANDLES ON OUTSIDE (NOT AN EGRESS DOOR), EXTENSION BOLTS BOTH LEAVES TOP AND BOTTOM, 900MM HEIGHT X FULL DOOR WIDTH KICK PLATES 18 GA. (4) TWO FOR EACH LEAF, DOOR STOPS



① COUNTERTOP AND UPPER SHELF ELEVATION

Scale: 1:50

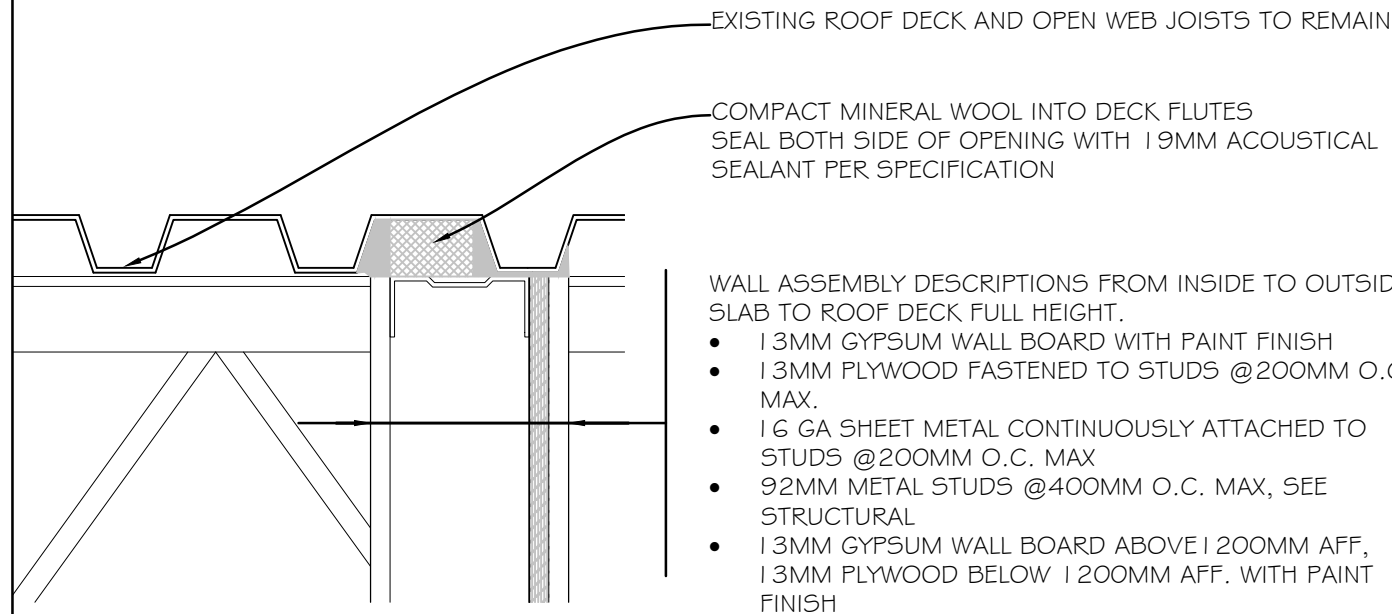
ROOM FINISH SCHEDULE

ROOM		FLOOR	BASE	WALL		CEILING				REMARKS
No.	NAME			MATERIAL	FINISH	TYPE	HEIGHT	MATERIAL	FINISH	
	VESTIBULE	NEW SEALER OVER EXIST. SLAB	RUBBER	DRYWALL & EXISTING	PAINT PAINT	GYPSUM BD.	2400MM AFF.	CEILING ASSEMBLY SEE NOTES BELOW	PAINT PRE-FIN	
	NEW CANTEEN	NEW SEALER OVER EXIST. SLAB	RUBBER	DRYWALL	PAINT	EXISTING EXPOSED	EXISTING			

CEILING ASSEMBLY FROM TOP TO BOTTOM - 19MM PLYWOOD WITH NO FINISH, CEILING JOISTS (SEE STRUCTURAL), ONE LAYER OF 16 GA. SHEET METAL, ONE LAYER OF 13MM PLYWOOD AND ONE LAYER OF 16MM GYPSUM CEILING BOARD WITH PAINT FINISH. (SHEET METAL AND PLYWOOD SHALL BE MOUNTED DIRECTLY TO CEILING JOISTS AT 200 O.C. MAX.)

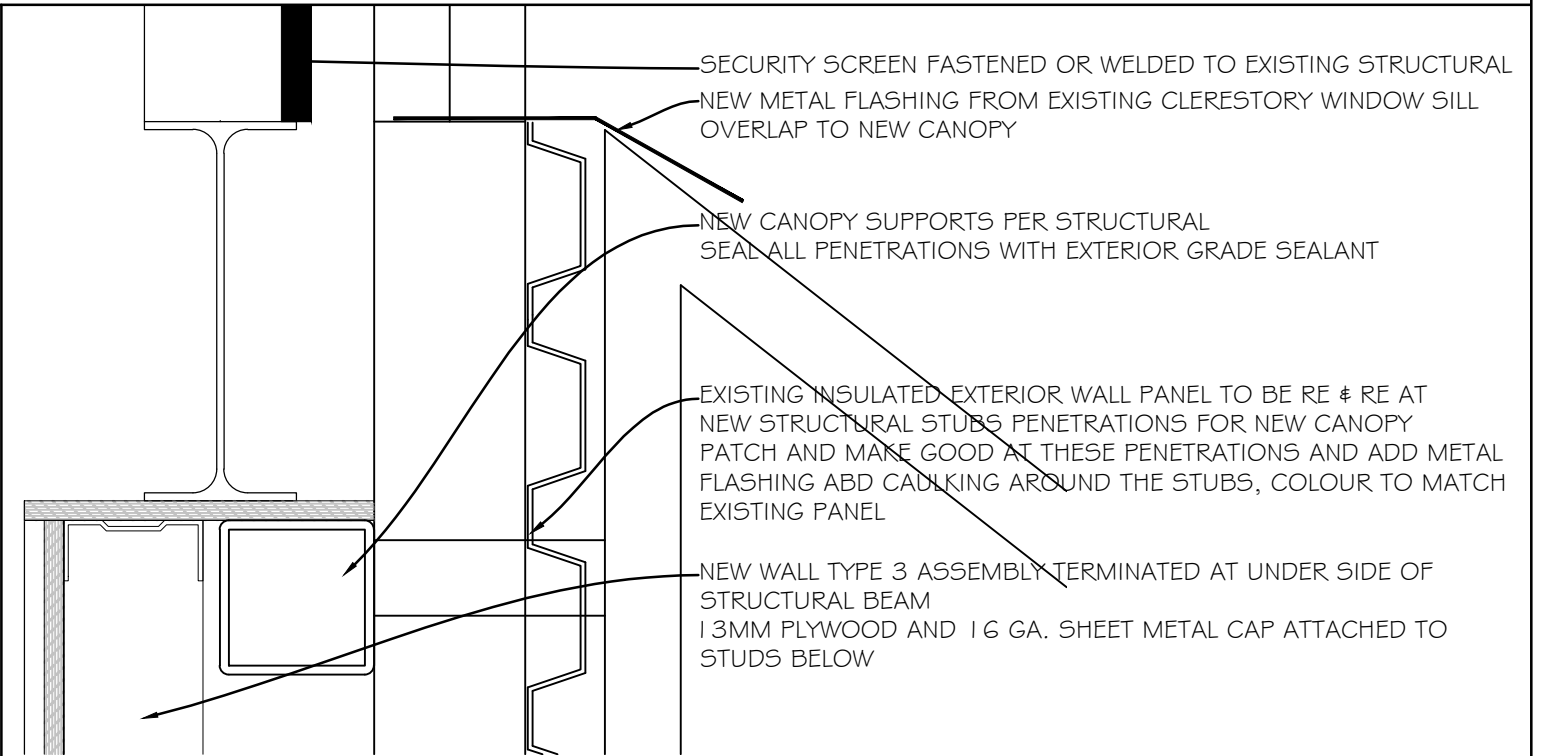
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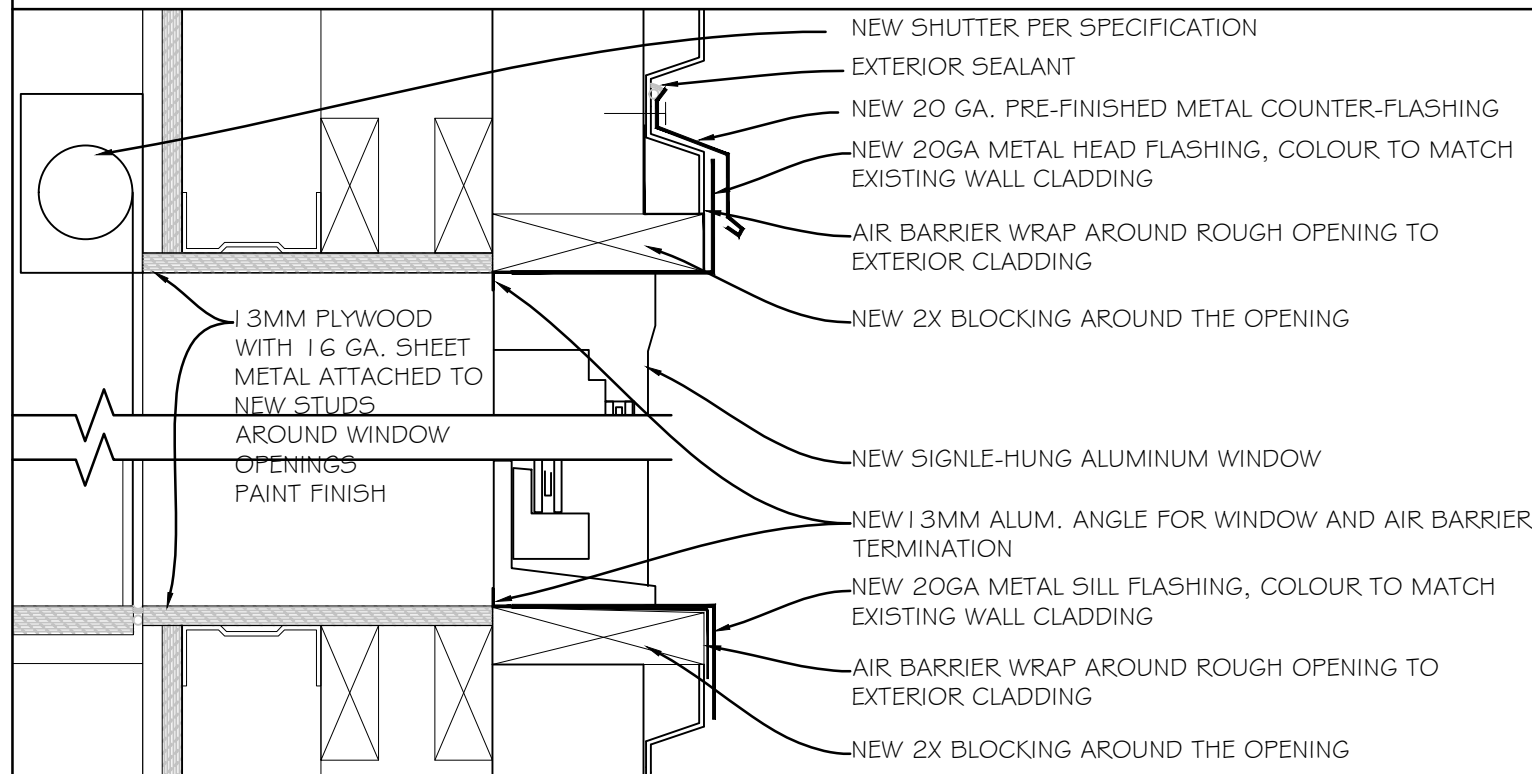
1 DETAIL

Scale: 1:5



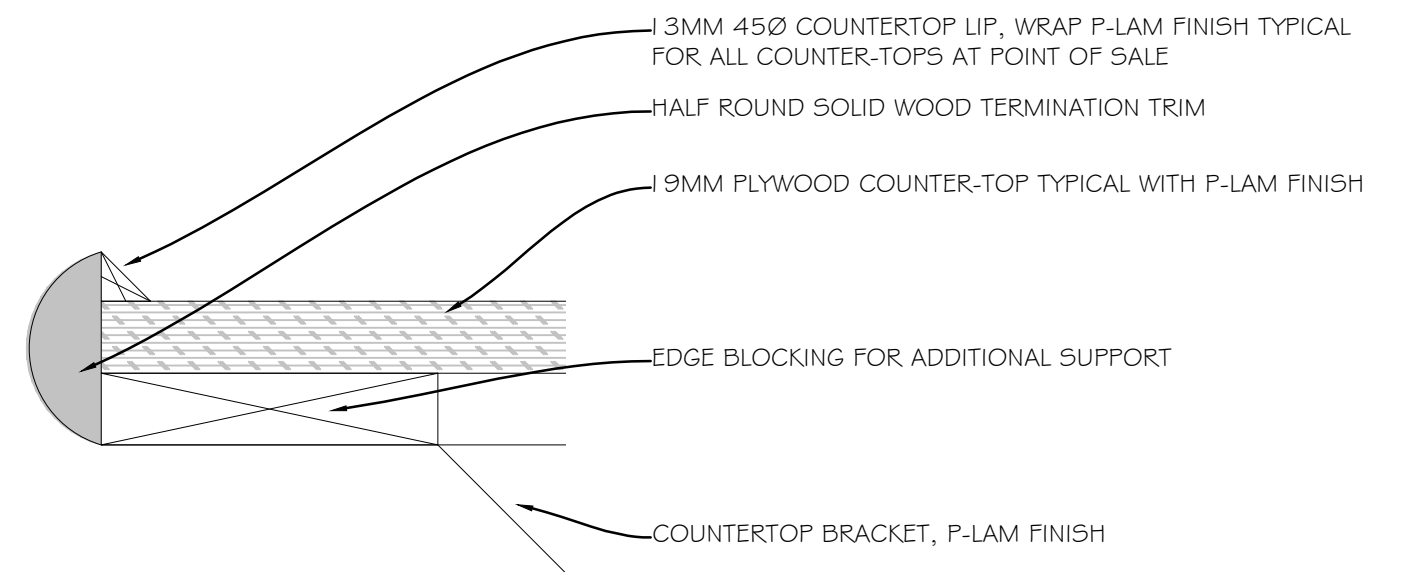
2 DETAIL

Scale: 1:5



3 DETAIL

Scale: 1:5

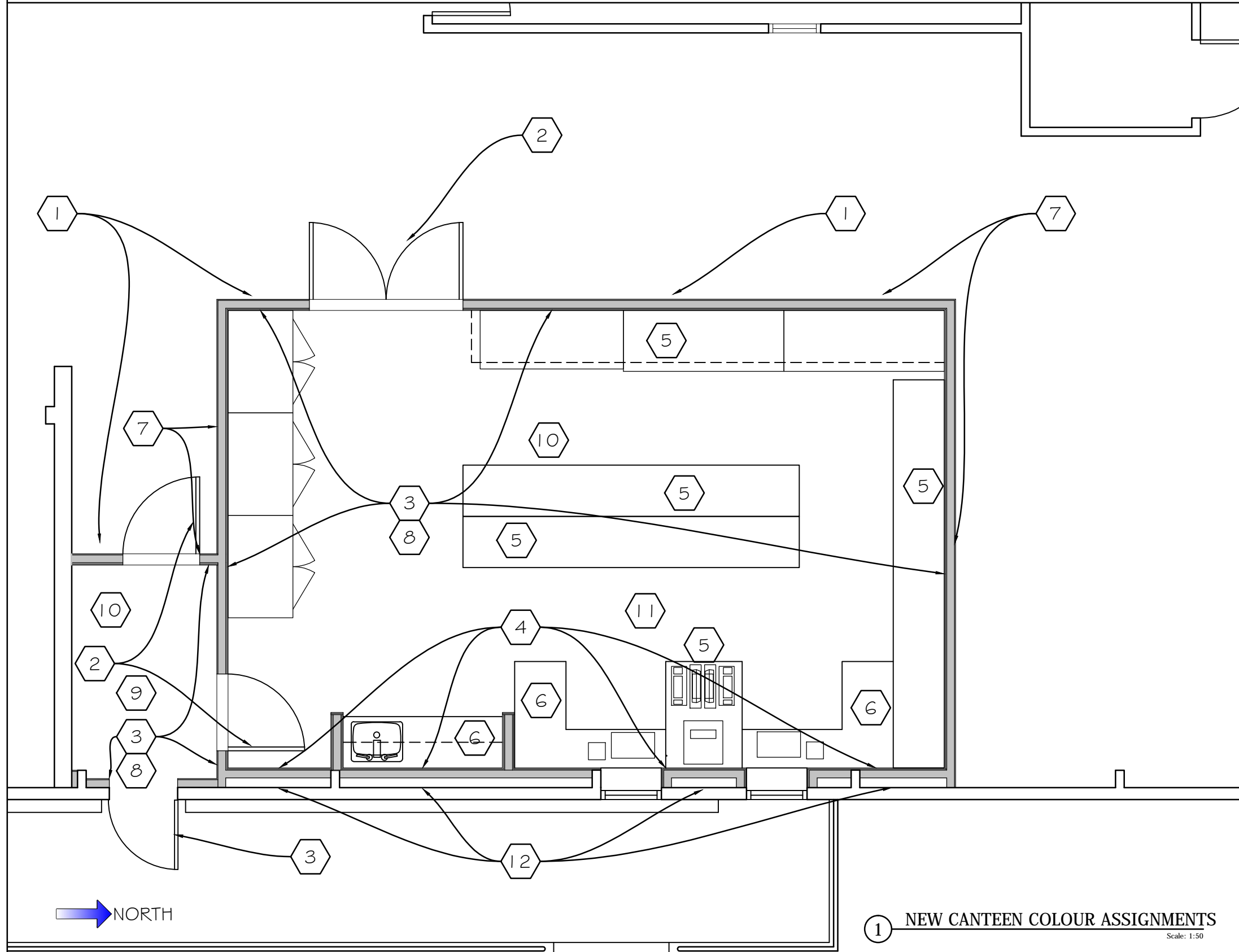


4 DETAIL

Scale: 1:5

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COLOUR ASSIGNMENT

- ① COLOUR WHITE FOR GYPSUM WALL BOARD ABOVE 1200 AFF. MATCH COLOUR WITH ADJACENT EXISTING WALL FINISH BELOW 1200MM PLYWOOD- COLOUR TO MATCH WITH GENERAL PAINT 2277N "DARK SHADOWS"
- ② COLOUR - MATCH WITH GENERAL PAINT CL 2277N "DARKSHADOWS" FOR PLYWOOD
- ③ COLOUR - MATCH WITH GENERAL PAINT CL 3161W "HELIUM"
- ④ COLOUR - MATCH WITH GENERAL PAINT CL 2226A "ALUMNA"
- ⑤ CASEWORK PAINT COLOUR
GENERAL PAINT CL2277N "DARK SHADOWS"
- ⑥ COUNTERTOP PLASTIC LAMINATE COLOUR
MATCH FORMICA SOLID COLOUR "WHITE" #0949
BASE CABINET AND SHELF COLOUR -
GENERAL PAINT CL 2277N "DARK SHADOWS"
- ⑦ FIBER CEMENT BASE - PRE-FINISHED
COLOUR
VANILLA WHITE, CERTAINTED #600
- ⑧ RUBBER BASE - DARK BLUE
- ⑨ CEILING PAINT COLOUR TO MATCH ITEM #1
- ⑩ EXISTING FLOOR TO REMAIN
- ⑪ EXPOSED CEILING, EXISTING ROOF DECK TO
REMAIN
- ⑫ SECURITY SCREEN ABOVE PAINT COLOUR
GENERAL PAINT CL 2226A "HELIUM"

① NEW CANTEEN COLOUR ASSIGNMENTS
Scale: 1:50

<p>Client/client CORRECTIONAL SERVICE CANADA</p>	<p>Project title/Titre du projet MISSION MEDIUM INSTITUTION 8751 STAVE LAKE STREET, MISSION, BC BUILDING M CANTEEN RELOCATION</p>	<p>Drawing title/Titre du dessin COLOUR ASSIGNMENTS</p>	<p>Consultant Signature & Date Only</p>		<p>PWGSC Project Manager/Administrateur de Projets TPSGC PAUL RITHALER</p>		<p>Project No./No. du projet R.097976.001</p>		
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			<p>Drawn by/Dessiné par MAX CHENG</p>		<p>Date/Date 2019-09-13</p>		<p>OF</p>		





GENERAL

1. THIS IS A METRIC PROJECT. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN MILLIMETERS.
2. ALL REFERENCED STANDARDS SHALL BE THE CURRENT EDITION OF THE EDITION REFERENCED BY THE APPLICABLE BUILDING CODE IN FORCE AT THE TIME OF BUILDING PERMIT APPLICATION.
3. PRIOR TO CONSTRUCTION, REVIEW STRUCTURAL DRAWINGS IN CONJUNCTION WITH DRAWINGS PROVIDED BY ALL OTHER CONSULTANTS, AND WITH EXISTING CONDITIONS.
4. REPORT DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
5. DO NOT USE INFORMATION ON THESE DRAWINGS FOR ANY OTHER PROJECT OR WORKS.
6. DO NOT SCALE THESE DRAWINGS.
7. ALL SECTIONS, DETAILS, AND STATEMENTS NOTED AS "TYPICAL" APPLY TO LIKE/SIMILAR CONDITIONS IN THE STRUCTURE.
8. SEE ARCHITECTURAL DRAWINGS FOR FIRE RATING AND FIREPROOFING REQUIREMENTS.
9. STRUCTURAL DESIGN ASSUMES NON-LOAD RESTRICTED ULC FIRE RATED ASSEMBLIES, AND APPROPRIATE MATERIALS MUST BE USED.
10. DRAWINGS SHOW COMPLETED STRUCTURE ONLY. THEY DO NOT SHOW TEMPORARY WORKS FOR WHICH THE CONTRACTOR IS RESPONSIBLE AND WHICH MAY BE REQUIRED FOR EXECUTION OF THE PROJECT. THE CONTRACTOR TO ESTABLISH CONSTRUCTION PROCEDURE AND SEQUENCE TO ENSURE SAFETY OF THE WHOLE STRUCTURE AND ALL ITS COMPONENTS DURING ERECTION.
11. DESIGN OF NON STRUCTURAL AND SECONDARY STRUCTURAL ELEMENTS (SUCH AS MISCELLANEOUS STEEL STAIRS, CLADDING, BULKHEADS, ETC.) IS THE RESPONSIBILITY OF SPECIALTY PROFESSIONAL ENGINEERS ENGAGED BY THE CONTRACTOR OR THE SUPPLIERS; IT IS NOT WITHIN THE SCOPE OF SERVICES PROVIDED BY THE DEPARTMENTAL REPRESENTATIVE AND WILL NOT BE REVIEWED BY THE DEPARTMENTAL REPRESENTATIVE.

DESIGN CRITERIA

1. STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2015 NATIONAL BUILDING CODE (NBC), SUPPLEMENTED BY THE 2015 NATIONAL BUILDING CODE OF CANADA STRUCTURAL COMMENTARY.

2. ALL REFERENCED STANDARDS SHALL BE THE CURRENT EDITION OF THE EDITION REFERENCED BY THE APPLICABLE BUILDING CODE IN FORCE AT THE TIME OF BUILDING PERMIT APPLICATION.
3. THE VALUES FOR CLIMATIC DATA USED IN THE DETERMINATION OF DESIGN LOADS HAVE BEEN OBTAINED FROM THE 2015 NBC FOR THE SPECIFIC LOCATION OF MISSION, BC.
4. BASED ON THE USE AND OCCUPANCY, THE BUILDING IS DESIGNED TO THE REQUIREMENTS OF A NORMAL IMPORTANCE CATEGORY.
5. SELF WEIGHT (SWT) IS DUE TO THE WEIGHT OF THE STRUCTURE ITSELF. IT VARIES WITH THE STRUCTURAL SYSTEM.
6. SUPERIMPOSED DEAD LOADS (SDL) ARE NON-STRUCTURAL DEAD LOADS DUE TO NON-STRUCTURAL TOPPING, FINISHES, PARTITIONS, ROOFING MATERIALS, SUSPENDED EQUIPMENT, PAVERS, SOIL, ETC.
7. DEAD LOAD (DL) IS THE SELF WEIGHT OF THE STRUCTURE PLUS THE SUPERIMPOSED DEAD LOAD.
8. UNLESS OTHERWISE NOTED, DESIGN LOADS SHOWN ON DRAWINGS ARE SPECIFIED (UNFACTORED) LOADS, TO BE USED FOR ULS DESIGN. FOR SLS DESIGN, THESE LOADS CAN BE REDUCED BY MULTIPLYING WITH THE RATIO OF APPROPRIATE IMPORTANCE FACTORS $I_x(SLS) / I_x(ULS)$ GIVEN BELOW.
9. FOR CONNECTION LOADS, "+" SIGN INDICATES TENSION AND "-" SIGN INDICATES COMPRESSION, EXCEPT FOR COLUMN LOADS WHERE "+" SIGN INDICATES COMPRESSION AND "-" SIGN INDICATES TENSION.
10. SNOW: $S_s = 2.4 \text{ kPa}$; $S_r = 0.3 \text{ kPa}$; $I_s(ULS) = 1.0$; $I_s(SLS) = 0.9$
SEE DRAWINGS FOR SNOW LOAD ACTING ON NEW CANOPY.
11. LATERAL LOADS IN THE EXISTING BASE STRUCTURE ARE NOT TO BE IMPACTED BY THESE WORKS.
12. WIND : $q_{50} = 0.43 \text{ kPa}$; $I_w(ULS) = 1.0$; $I_w(SLS) = 0.75$
TERRAIN TYPE: ROUGH
INTERNAL PRESSURE CATEGORY: 2
13. SEISMIC

$S_a(0.2) = 0.644$	$I_e = 1.0$
$S_a(0.5) = 0.55$	$I_e F_a S_a(0.2) = 0.654$
$S_a(1.0) = 0.327$	SITE CLASSIFICATION = D (ASSUMED)
$S_a(2.0) = 0.204$	
PGA = 0.283	

OFC CATEGORIES (REFERENCE NBC2015 TABLE 4.1.8.18):
 STEEL STUD PARTITION WALLS - CATEGORY 1
 FREE-STANDING SHELVING UNITS - CATEGORY 21
 SUSPENDED LIGHTING - CATEGORY 7

FIELD REVIEW

1. NOTIFY THE DEPARTMENTAL REPRESENTATIVE 48 HOURS PRIOR TO CONCRETE POURS, AND COVERING UP THE STRUCTURE WITH FINISHES.

EXISTING STRUCTURE

1. EXISTING STRUCTURAL INFORMATION IS BASED UPON DRAWINGS PREPARED BY BOGUE BABICKI, DATED SEPTEMBER 16 1974, IN CONJUNCTION WITH SITE OBSERVATIONS COLLECTED BY THE DEPARTMENTAL REPRESENTATIVE JANUARY 8, 2019.
2. DESIGN OF STRUCTURAL WORKS RELATED TO THE EXISTING BUILDING HAS BEEN CARRIED OUT AS FAR AS PRACTICAL, GIVEN LIMITED AVAILABILITY OF EXISTING DRAWINGS AND LIMITED RECORDS OF THE STRUCTURAL MODIFICATIONS POTENTIALLY MADE THROUGH THE LIFE OF THE BUILDING. MODIFICATIONS TO THE PROPOSED STRUCTURAL FRAMING AND / OR DETAILS MAY BE REQUIRED IF EXISTING CONDITIONS ARE FOUND TO BE DIFFERENT FROM THOSE ASSUMED AND SHOWN ON DRAWINGS.
3. TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE EXISTING STRUCTURE DURING CONSTRUCTION.
4. REMOVE FROM SITE ALL OTHER STRUCTURAL ELEMENTS AND PRODUCTS WHICH ARE NOT INDICATED TO BE HANDED OVER TO THE DEPARTMENTAL REPRESENTATIVE.
5. ALL DEMOLITION, SHORING, AND OTHER TEMPORARY WORKS TO BE DESIGNED BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR, LICENSED IN THE PLACE WHERE THE PROJECT IS LOCATED. PREPARE DRAWINGS SIGNED AND SEALED BY THAT ENGINEER SHOWING DEMOLITION PROCEDURE AND SEQUENCE AND ALL THE NECESSARY SHORING.
6. UNDERTAKE CHIPPING, CUTTING, CORING, REPAIRS, PATCHING, AND REMOVAL OF DEBRIS. MAKE CUTS WITH THE PROPER SAWS AND BITS WHEN A CLEAN LINE IS REQUIRED.
7. DO NOT ALTER MATERIAL PROPERTIES OF THE STRUCTURAL STEEL WHICH IS TO REMAIN BY CUTTING AND DEMOLITION PROCEDURE.
8. MAKE GOOD ALL EXISTING WORK DISTURBED BY CONSTRUCTION PROCEDURES.

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			Designed by/Concept par ASHLEY RENAUD, WSP CANADA INC	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architectural et de génie, TPSGC PREETIPAL PAUL	Sheet/Feuille S01	Revision/Revision 1
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CONCRETE

1. CONCRETE TO BE NORMAL DENSITY (MIN. 2300 kg/m³) UNLESS NOTED OTHERWISE.
2. CEMENT TO BE PORTLAND CEMENT TYPE GU, UNLESS NOTED OTHERWISE OR REQUIRED BY EXPOSURE CLASS. CEMENT TO CONFORM TO CSA A3000.
3. INTERIOR APPLICATIONS:
 - EXPOSURE CLASS: N
 - MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: 25 MPa.
 - NOMINAL SIZE OF COARSE AGGREGATE: 20 (3/4")
4. ALL OTHER EXTERIOR APPLICATIONS:
 - EXPOSURE CLASS: C1
 - MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: 35 MPa
 - NOMINAL SIZE OF COARSE AGGREGATE: 20 (3/4")
5. CONVEY CONCRETE FROM TRUCK TO FINAL LOCATION BY METHODS WHICH WILL PREVENT SEPARATION OR LOSS OF MATERIAL. MAXIMUM FREE FALL NOT TO EXCEED 1.5m (5'-0"). CONSOLIDATE CONCRETE USING MECHANICAL VIBRATORS.
6. CURE CONCRETE SURFACES NOT IN CONTACT WITH FORMS IN ACCORDANCE WITH A23.1 / A23.2, BY APPLICATION OF A CURING-SEALING COMPOUND CONFORMING TO ASTM C309 IMMEDIATELY AFTER DISAPPEARANCE OF SURFACE WATER SHEEN. ENSURE CURING-SEALING COMPOUND IS COMPATIBLE WITH APPLIED FINISHES.

CONCRETE REINFORCEMENT

1. REINFORCEMENT - DEFORMED BAR REINFORCEMENT CONFORMING TO CSA G30.18 GRADE 400R. USE 400W ONLY WHERE NOTED ON DRAWINGS.
2. ALL REINFORCING BAR SIZES ARE METRIC; "M" IS NOT NECESSARILY MARKED AFTER A BAR SIZE. FOR EXAMPLE, 10-15B NOTED ON PLAN INDICATES 10 BARS OF 15M DIAMETER, PLACED AT BOTTOM.
3. UNLESS OTHERWISE NOTED, LAP ALL HORIZONTAL GRADE BEAM REINFORCING WITH CLASS B LAPS.
4. FOR CLASS N CONCRETE, MINIMUM CONCRETE COVER TO REINFORCING BARS CLOSEST TO THE CONCRETE SURFACE TO BE 40 (1 1/2") FOR BEAMS AND COLUMNS AND 25 (1") FOR SLABS AND WALLS.
5. FOR CLASS C-1 CONCRETE, MINIMUM COVER TO BE 60 (2 1/2") EXCEPT FOR SLABS PROTECTED BY MEMBRANE WHERE THE COVER SHALL BE 40 (1 1/2") TO THE TOP BARS AND 30 (1 1/4") TO THE BOTTOM BARS.
6. ENSURE COVER TO REINFORCEMENT IS MAINTAINED DURING CONCRETE POUR.

POST-INSTALLED ANCHORS AND DOWELS

1. WHERE ADHESIVE CONCRETE ANCHORS (ACA) ARE NOTED ON DRAWINGS, PROVIDE HILTI HIT-HY200 ADHESIVE ANCHORING SYSTEM WITH HILTI HIT-Z ANCHOR RODS OR EQUIVALENT DUCTILE ANCHOR / EPOXY SYSTEM. EFFECTIVE EMBEDMENT LENGTHS AS FOLLOWS:
12 (1/2") DIAMETER - 114 (4-1/2") EMBEDMENT
16 (5/8") DIAMETER - 143 (5-5/8") EMBEDMENT
19 (3/4") DIAMETER - 171 (6-3/4") EMBEDMENT
2. WHERE REBAR DOWELS ARE NOTED ON DRAWINGS, PROVIDE HILTI HIT-HY 200-R ADHESIVE ANCHORING SYSTEM, OR EQUIVALENT DUCTILE EPOXY SYSTEM. SEE DRAWINGS FOR EMBEDMENT LENGTHS.
3. ANCHORS LOCATED OUTSIDE THE BUILDING ENVELOPE'S VAPOUR BARRIER TO BE HOT DIP GALVANIZED OR STAINLESS STEEL.
4. CONCRETE TO BE MINIMUM 28 DAYS OLD AT THE TIME OF ANCHOR INSTALLATION.
5. USE DRILLING AND INSTALLATION TOOLS AND PROCEDURES PER MANUFACTURERS' RECOMMENDATIONS.
6. DO NOT CUT REINFORCEMENT TO ACCOMMODATE DRILLED ANCHORS AND DOWELS.
7. FOR STEEL STUD TO HOLLOW CONCRETE MASONRY CONNECTIONS, PROVIDE HILTI KWIK-CON II FASTENERS, OR EQUIVALENT DUCTILE SCREW FASTENER.

CUTTING AND CORING

1. CARRY A PRICE TO RETAIN AN INDEPENDENT TESTING COMPANY TO LOCATE AND MARK EXISTING REINFORCEMENT AND CONDUIT IN THE AREAS OF PROPOSED OPENINGS USING A NON-DESTRUCTIVE METHOD. IF LOCATIONS ARE NOT ACCEPTABLE TO THE DEPARTMENTAL REPRESENTATIVE, RELOCATE PROPOSED OPENINGS AND REPEAT PROCESS AT NO EXTRA COST TO THE CONTRACT.
2. CORING: DO NOT CUT EXISTING REINFORCEMENT OR CONDUIT WHEN CORING EXISTING CONCRETE UNLESS APPROVED IN ADVANCE BY THE DEPARTMENTAL REPRESENTATIVE. SAVE COMPLETE LENGTH OF ALL CORES AND LABEL WITH LOCATION TAKEN. MAKE ALL CORES AVAILABLE FOR REVIEW, DO NOT DISPOSE OF CORES WITHOUT DEPARTMENTAL REPRESENTATIVE APPROVAL.

3. CUTTING: DO NOT CUT EXISTING REINFORCEMENT AND CONDUIT UNLESS APPROVED IN ADVANCE BY THE DEPARTMENTAL REPRESENTATIVE. DO NOT OVERCUT OPENINGS. CORE FOUR CORNERS AND ENDS OF INTERMEDIATE SAWCUTS OF ALL OPENINGS PRIOR TO CUTTING SIDES AND INTERMEDIATE LINES. CHIP CORNERS SQUARE AFTER SAWCUTTING IF NECESSARY. IF NEW REINFORCEMENT IS REQUIRED AT AN OPENING, INSTALL IT BEFORE CUTTING OR SHORE THE STRUCTURE UNTIL THE NEW REINFORCEMENT IS INSTALLED.

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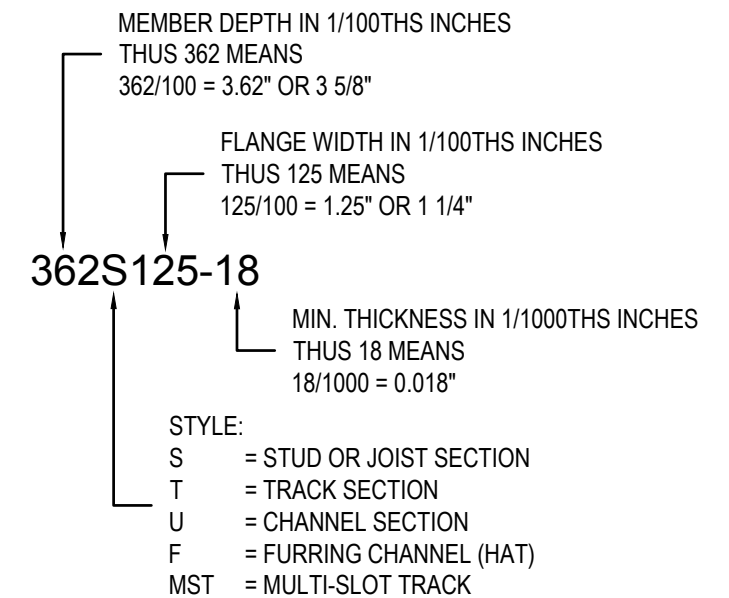
STRUCTURAL STEEL

1. MATERIALS (TO CSA G40.21 UNLESS NOTED OTHERWISE):
 - ANGLES: GRADE 350W
 - HOLLOW STRUCTURAL SECTIONS (HSS): 350W CLASS "C"; OR ASTM A1085 GRADE 50 (345 MPa)
 - GALVANIZED HSS: 350W CLASS H; OTHER GRADES TO BE STRESS RELIEVED PRIOR TO GALVANIZING
 - BOLTS, NUTS AND WASHERS: ASTM F3125, GRADE A325
 - ANCHOR RODS: GRADE 300W; OR ASTM F1554 GRADE 36
 - SHOP PAINT: CISC/CPMA 1-73A
 - SHOP PRIMER PAINT: CISC/CPMA 2-75
 - ZINC-RICH PAINT (ZRP) COATING: SSPC PAINT SPECIFICATION NO. 20
 - HOT DIP GALVANIZING: ASTM A123/A123M
 - WELDING MATERIALS: CSA W48 AND CSA W59
1. DO NOT SPLICE SECTIONS WITHOUT PRIOR ACCEPTANCE BY THE DEPARTMENTAL REPRESENTATIVE AND SUBMISSION OF PERTINENT SHOP DRAWINGS. ACCEPTED SPLICES TO DEVELOP THE FULL MOMENT CAPACITY OF THE SECTION. EACH SPLICE TO BE GIVEN A NON-DESTRUCTIVE TEST BY AN INDEPENDENT INSPECTION COMPANY ACCEPTABLE TO THE DEPARTMENTAL REPRESENTATIVE. TESTING TO BE AT THE CONTRACTOR'S EXPENSE. EVALUATE RESULTS IN ACCORDANCE WITH CSA W59 AND REPORT TO THE DEPARTMENTAL REPRESENTATIVE.
2. DO NOT CUT HOLES OR OTHERWISE MODIFY STRUCTURAL MEMBERS ON SITE.
3. PROTECT COMBUSTIBLE MATERIALS AND FINISHES DURING WELDING OPERATIONS.
4. DISTRIBUTE HANGER LOADS FROM MECHANICAL AND HEAVY ELECTRICAL SERVICES UNIFORMLY ALONG STEEL MEMBERS. ALTERNATE HANGER POSITION ON EITHER SIDE OF MEMBERS. DO NOT INSTALL IN A MANNER THAT WILL CAUSE TWISTING OF STEEL MEMBERS OR EXCESSIVE BENDING OF FLANGES OR CHORDS.
5. PREMIXED GROUT: NON-SHRINK, MINIMUM STRENGTH 40 MPa AT 28 DAYS.
6. INSTALL GROUT UNDER BASE PLATES AS SOON AS STEEL WORK IS COMPLETE, IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS. PROVIDE 100% CONTACT OVER GROUTED AREA. DO NOT APPLY ANY LOADS TO THE STEELWORK BEFORE GROUT ACHIEVES SUFFICIENT STRENGTH.

LIGHTWEIGHT STEEL FRAMING (LSF)

1. CONFORM TO CSA S136, CSSBI S18, CSSBI S5 AND CSSBI S6.
2. LSF CONTRACTOR MUST RETAIN A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF BRITISH COLUMBIA RESPONSIBLE FOR THE SPECIALTY DESIGN OF THE LSF. THIS SUPPORTING REGISTERED PROFESSION SHALL PROVIDE THE FOLLOWING:
 - SIGNED AND SEALED SHOP DRAWINGS
 - SIGNED AND SEALED SCHEDULE S-B: ASSURANCE OF PROFESSIONAL DESIGN AND COMMITMENT FOR FIELD REVIEW BY SUPPORTING REGISTERED PROFESSIONAL
 - PERFORM PERIODIC FIELD REVIEW AND PROVIDE WRITTEN REPORTS OF FIELD REVIEW
 - SIGNED AND SEALED SCHEDULE S-C: ASSURANCE OF PROFESSIONAL FIELD REVIEW AND COMPLIANCE BY SUPPORTING REGISTERED PROFESSIONAL
3. STEEL JOIST AND LINTEL DESIGN:
 - DESIGN FOR LOADS AS INDICATED ON DRAWINGS.
 - LIMIT LIVE LOAD DEFLECTION TO 1/360 OF SPAN. LIMIT TOTAL ROOF LOAD DEFLECTION TO 1/240.
4. COORDINATE WITH OTHER WORK INCLUDING AIR AND VAPOUR BARRIERS, EXTERIOR SHEATHINGS AND INSULATION, STUD SPACE INSULATION, MASONRY, DRYWALL, MECHANICAL, ELECTRICAL, PLUMBING, DOORS AND WINDOWS, INTERIOR DRYWALL PARTITIONS, CONCRETE AND CONCRETE FORMWORK, AND STAIRS.
5. LSF SYSTEM MUST BE INSTALLED TO MEET FIRE RATED ASSEMBLIES AS SPECIFIED BY THE ARCHTIECT.
6. BRIDGING FOR RESTRAINING MEMBER ROTATION AND TRANSLATION OF LOADBEARING WALL STUDS IS NOT PROVIDED BY COLLATERAL SHEATHING.
7. ALL LSF COMPONENTS SHALL HAVE METALLIC COATINGS CONFORM TO ASTM A653/A653M (WITH ZF75 OR Z275 COATING), OR ASTM A792/A792A (WITH AZ150 COATING). TOUCH-UP WITH ZINC-RICH PAINT PER SSPC PAINT SPECIFICATION NO.20 WHEREVER PROTECTIVE COATING HAS BEEN DAMAGED DURING ERECTION.
8. ALL LIGHTWEIGHT STEEL MATERIAL 0.0451" (1.146 mm) OR THINNER SHALL CONFORM TO ASTM A653/653M GRADE A, 33 KSI (227 MPa) MINIMUM YIELD; 0.0566" (1.438 mm) OR THICKER SHALL CONFORM TO ASTM A653/653M GRADE D, 50 KSI (345 MPa) MINIMUM YIELD.
9. ALL STUDS AND JOISTS SHALL HAVE LIPPED FLANGE.
10. SPECIFICATIONS AND THICKNESS OF TRACKS SHALL BE THE SAME OR HEAVIER THAN STUDS BEING INSTALLED.

11. ALL CONNECTORS SHALL BE OF CORROSIVE RESISTANCE MATERIAL COMPATIBLE WITH METALLIC COATINGS OF LSF COMPONENTS.
12. STEEL JOISTS SHALL BE SPACED AT CENTERS INDICATED AND LINE UP EXACTLY WITH SUPPORTING STUDS.
13. PROVIDE COMPLETE, UNIFORM AND LEVEL BEARING SUPPORT FOR BOTTOM TRACK AT EACH BEARING STUD LOCATION. IF NOT PROVIDED, INSTALL FULL SIZE SHIMS BELOW BOTTOM TRACK AT STUD LOCATIONS AS NEEDED, OR SET BOTTOM TRACK IN HIGH-STRENGTH GROUT.
14. ALL INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.



REJECTED WORK

1. DO NOT DELIVER MATERIALS WHICH ARE KNOWN NOT TO MEET THE REQUIREMENTS OF THE SPECIFICATIONS. IF REJECTED AFTER DELIVERY, REMOVE IMMEDIATELY FROM SITE.

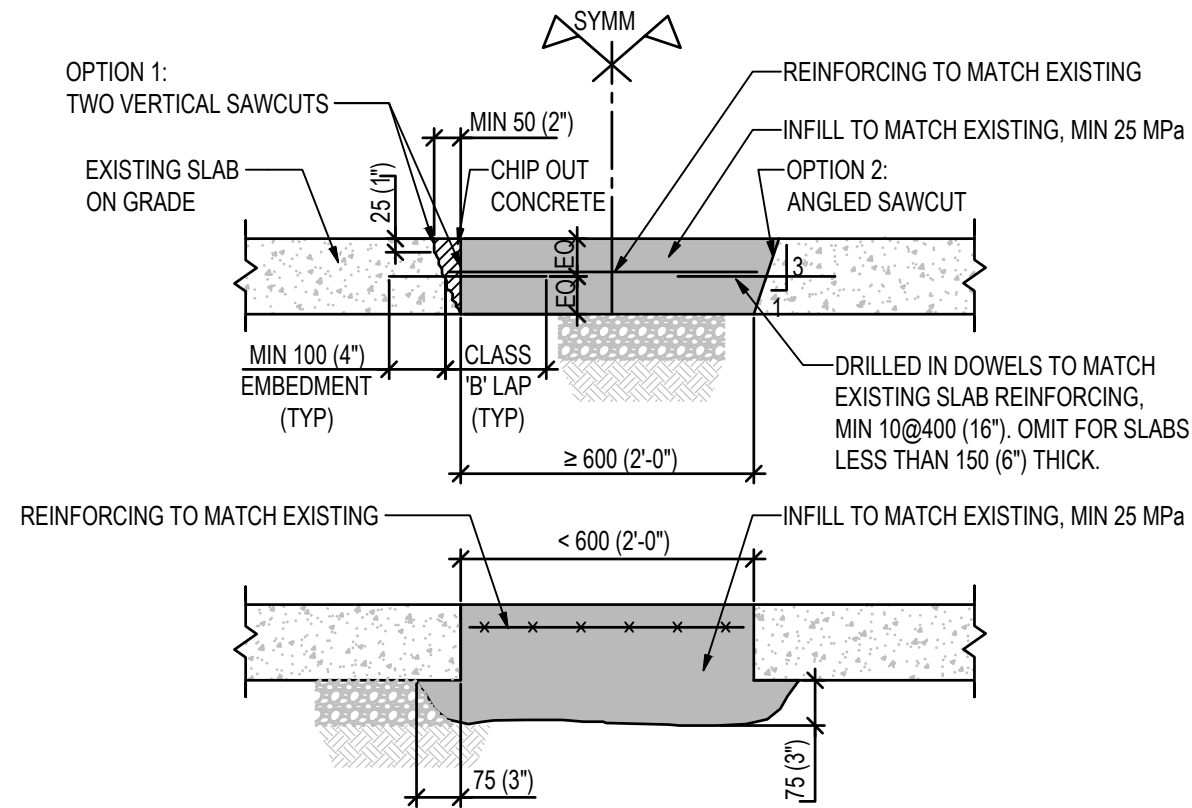
Client/client CORRECTIONAL SERVICE CANADA	Project title/Titre du projet MISSION MEDIUM INSTITUTION 8751 STAVE LAKE STREET, MISSION, BC BUILDING M CANTEEN RELOCATION	Drawing title/Titre du dessin GENERAL NOTES	Consultant Signature & Date Only	PWGSC Project Manager/Administrateur de Projets TPSGC PAUL RITHALER	Project No./No. du projet R.097976.001	
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EXISTING SLAB ON GRADE INFILL

TC-SOG-51



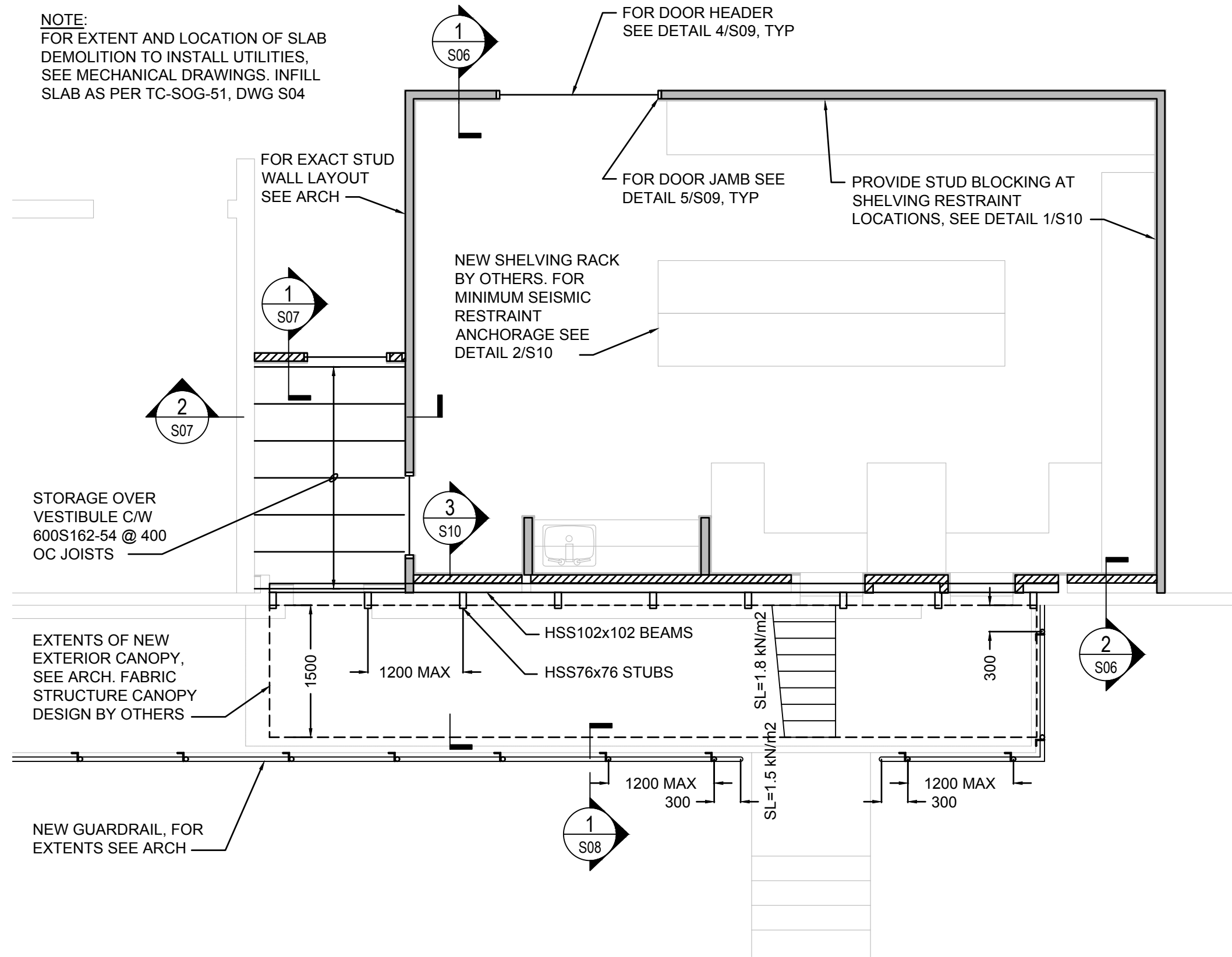
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NOTE:
FOR EXTENT AND LOCATION OF SLAB
DEMOLITION TO INSTALL UTILITIES,
SEE MECHANICAL DRAWINGS. INFILL
SLAB AS PER TC-SOG-51, DWG S04

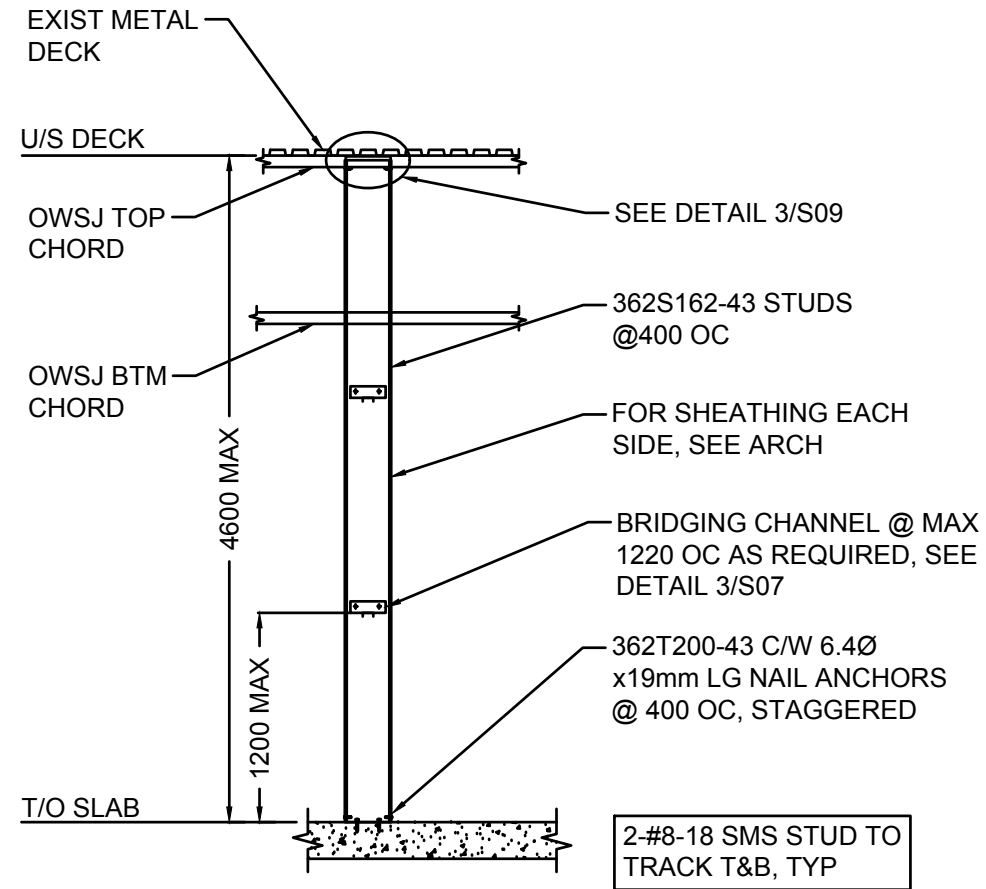


PLAN NOTES

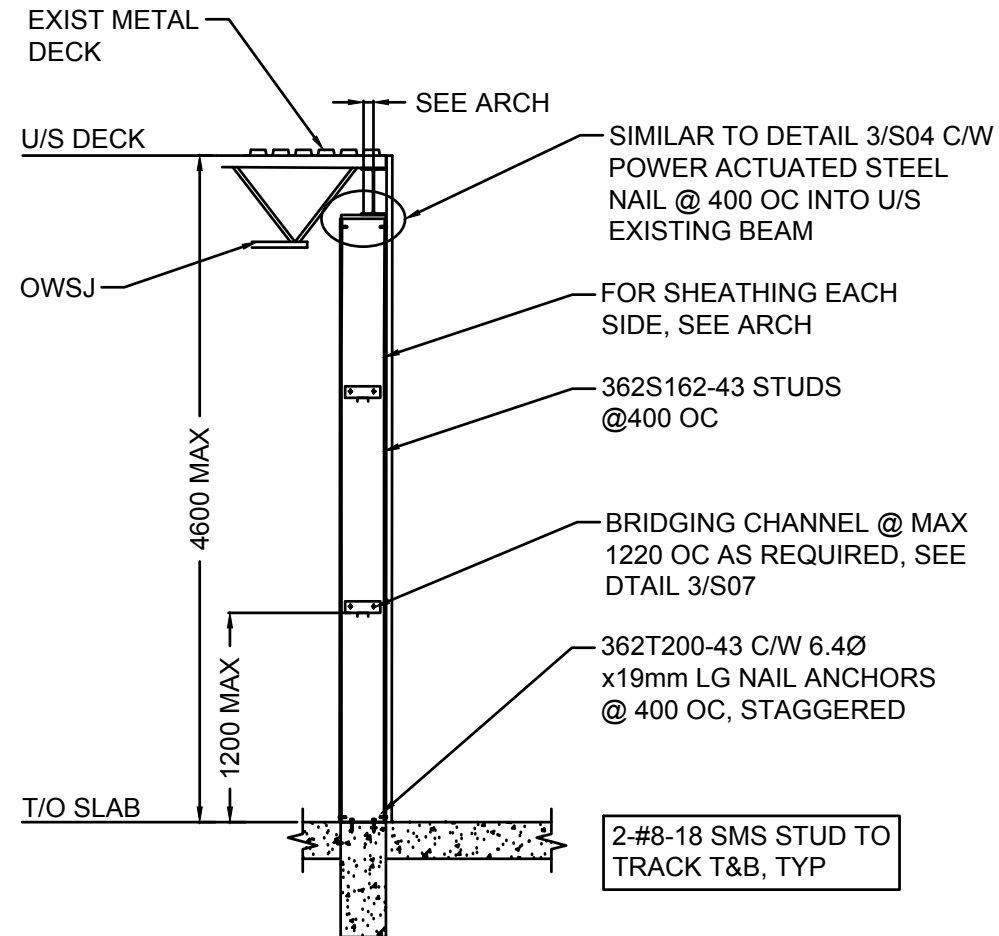
- SEE GENERAL NOTES AND TYPICAL DETAILS ON DRAWINGS S01 THROUGH S05.
- MAIN FLOOR IS LEVEL WITH EXISTING. ASSUMED DATUM ELEVATION IS 60'-0".
- UNLESS NOTED OTHERWISE ON PLAN, DESIGN LOADS ARE:
LIVE LOAD (LL) - CANTEEN = 4.8 kN/m²
LIVE LOAD (LL) - VESTIBULE STORAGE = 4.8 kN/m²
WIND LOAD (WL) - NEW STUD WALLS = 0.5 kN/m²
SUPERIMPOSED DEAD LOAD (SDL) = 1.0 kN/m²
SELF WEIGHT (SWT) - NEW STUD WALLS = 0.5 kN/m²
PARTITION LOAD IS INCLUDED IN THE SDL
- NEW FABRIC STRUCTURE IS A DELEGATED DESIGN BY OTHERS, GEOMETRY AS SHOWN ON ARCHITECTURAL DRAWINGS AND FASTENED TO EXISTING BUILDING IN ACCORDANCE WITH STRUCTURAL SUPPORTS AS SHOWN. AT A MINIMUM, DESIGN OF NEW FABRIC CANOPY STRUCTURE, DESIGN CRITERIA AS FOLLOWS:
LIVE LOAD (SNOW) = SNOW PILING AS NOTED ON PLAN
WIND LOAD IN ACCORDANCE WITH NBC2015
DEFLECTION OF ELEMENTS TO BE LIMITED TO L/240

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1 TYP FULL HEIGHT STUD WALL
S05 N.T.S.

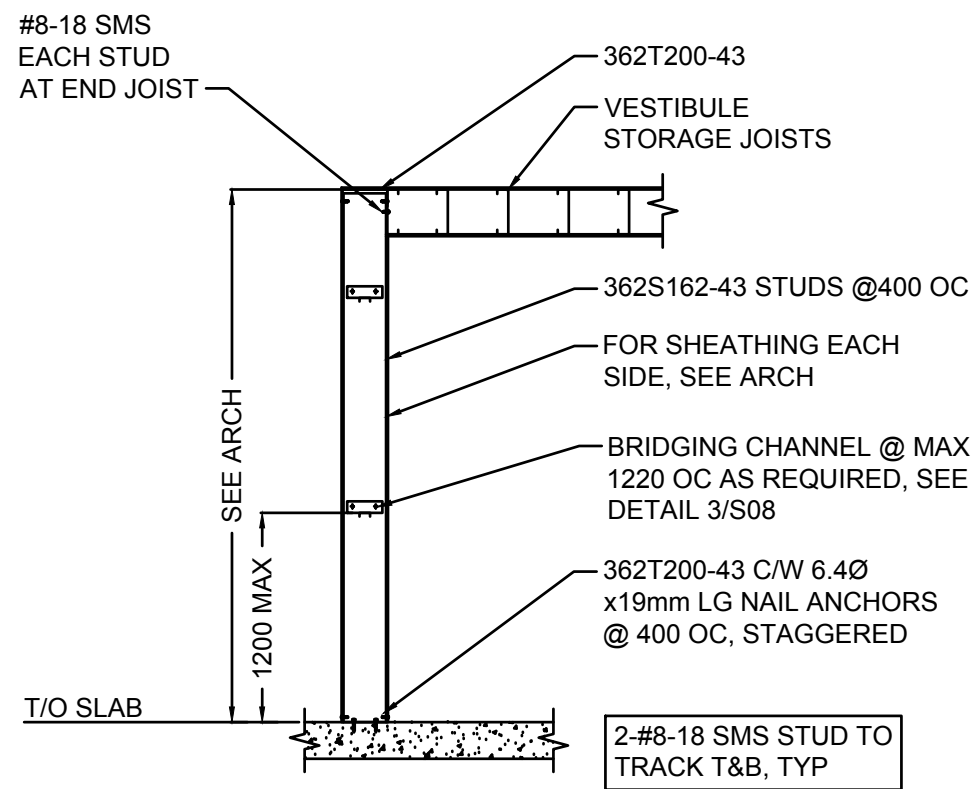


2 TYP STUD WALL TO U/S EXIST BEAM
S05 N.T.S.

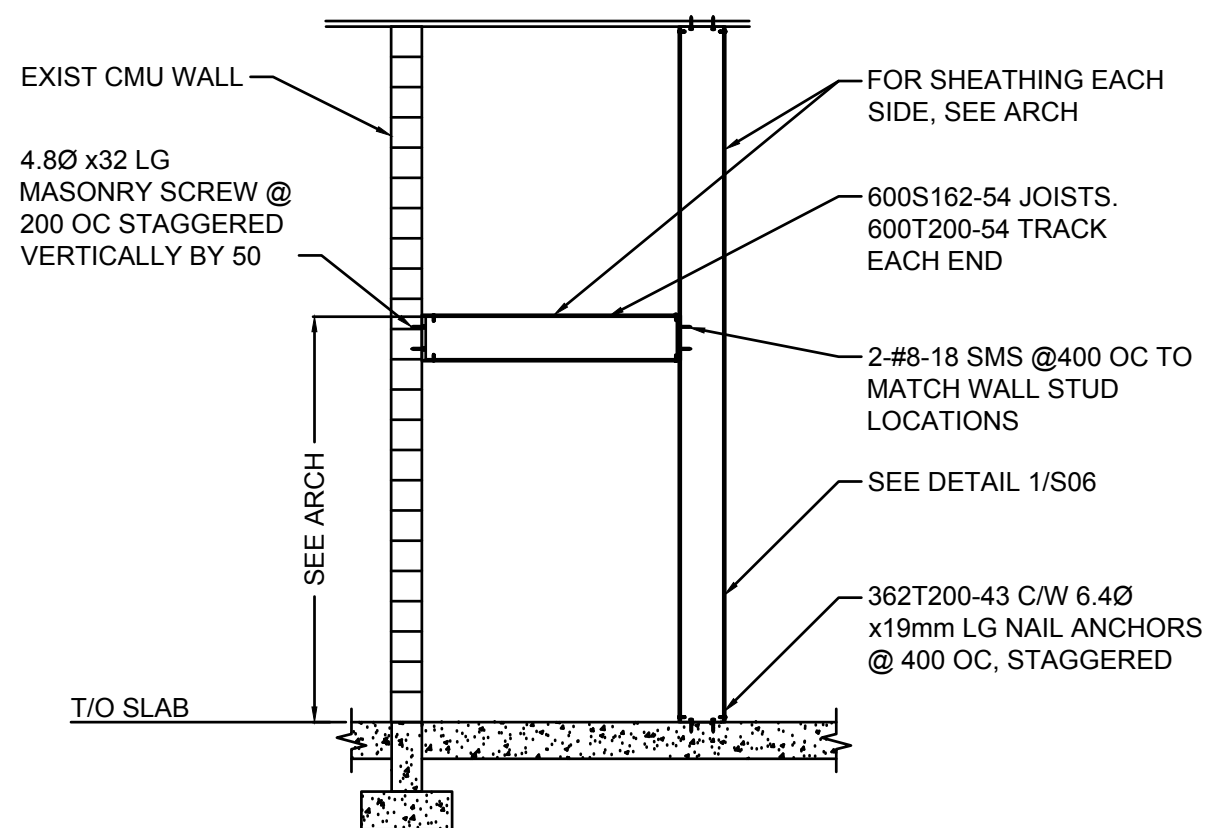
NOTE:
NAIL ANCHORS MUST HAVE MINIMUM CAPACITY UNO:
Tr = 0.8kN
Vr = 1.5kN

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1 TYP PARTIAL HEIGHT STUD WALL
S05 N.T.S.



2 SECTION
S05 1:50

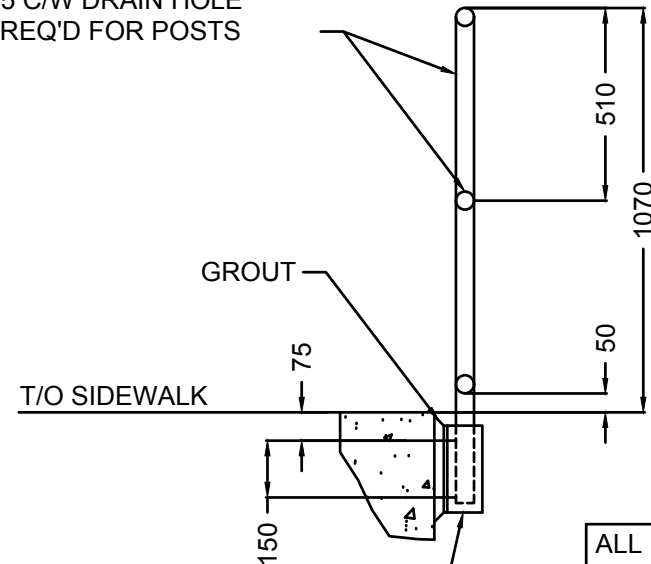
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Tr =0.8kN
Vr =1.5kN

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			Designed by/Concept par ASHLEY RENAUD, WSP CANADA INC	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architectural et de génie, TPSGC PREETIPAL PAUL	Sheet/Feuille S07
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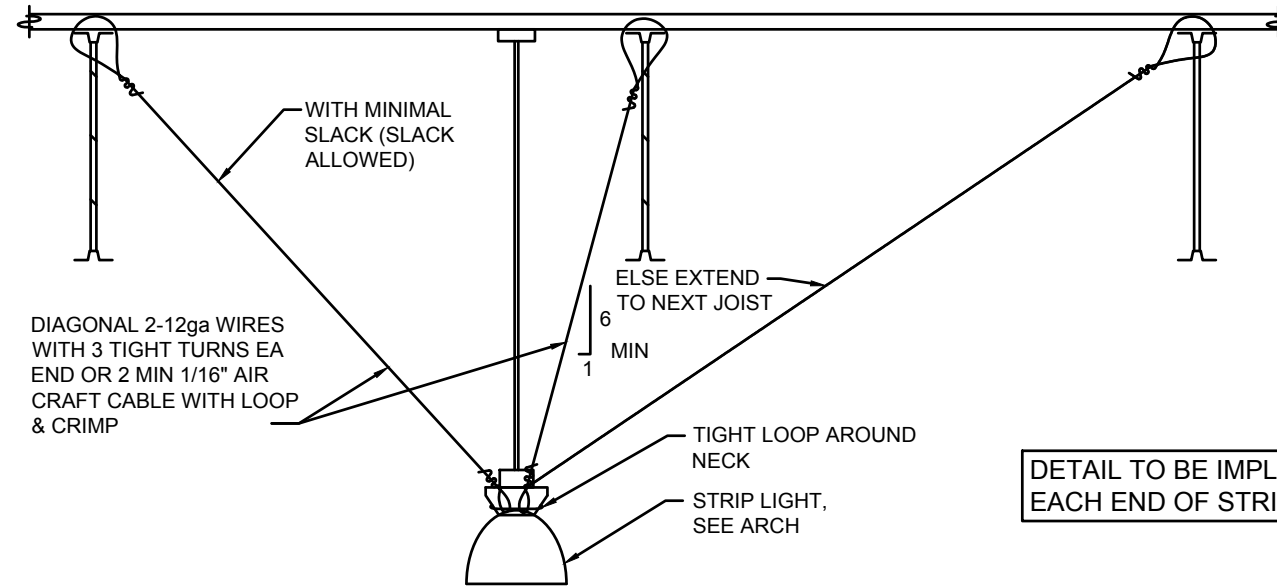
HSS48x3.2 TYP POSTS &
RAILS. BTM CAP PLATE
5 C/W DRAIN HOLE
REQ'D FOR POSTS



L102x76x9.5 x230 LG C/W
2-12Ø ACA HDG OR
304/316SS, EMBED 100.
CONNECT POST TO ANGLE
FOR Mf=2 kNm

ALL EXTERIOR STEEL
TO BE HDG

1
S01 TYP GUARDRAIL
1:20

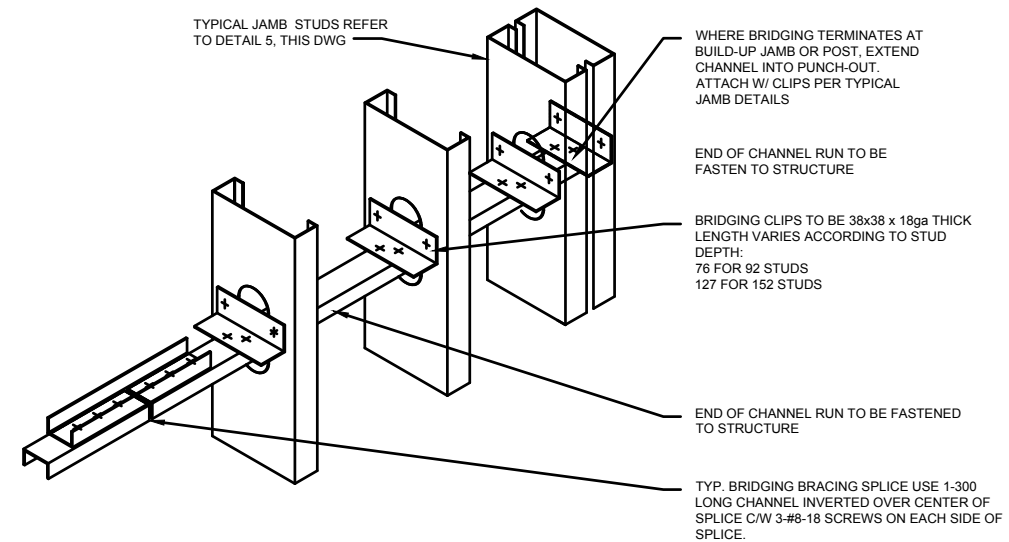


DIAGONAL 2-12ga WIRES
WITH 3 TIGHT TURNS EA
END OR 2 MIN 1/16" AIR
CRAFT CABLE WITH LOOP
& CRIMP

TIGHT LOOP AROUND
NECK
STRIP LIGHT,
SEE ARCH

DETAIL TO BE IMPLEMENTED
EACH END OF STRIP LIGHT

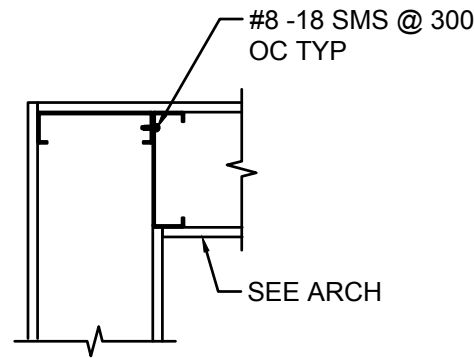
2
S01 TYP SEISMIC RESTRAINT FOR STRIP LIGHTS
N.T.S.



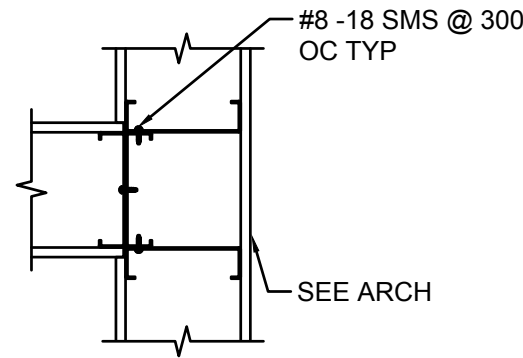
3
S01 TYP BRIDGING DETAIL
N.T.S.

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			Designed by/Concept par ASHLEY RENAUD, WSP CANADA INC	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architectural et de génie, TPSGC PREETIPAL PAUL	Sheet/Feuille S08
			Drawn by/Dessine par JOHN GUERRA, WSP CANADA INC	Date/Date 2019-07-31	Revision/ Revision 1

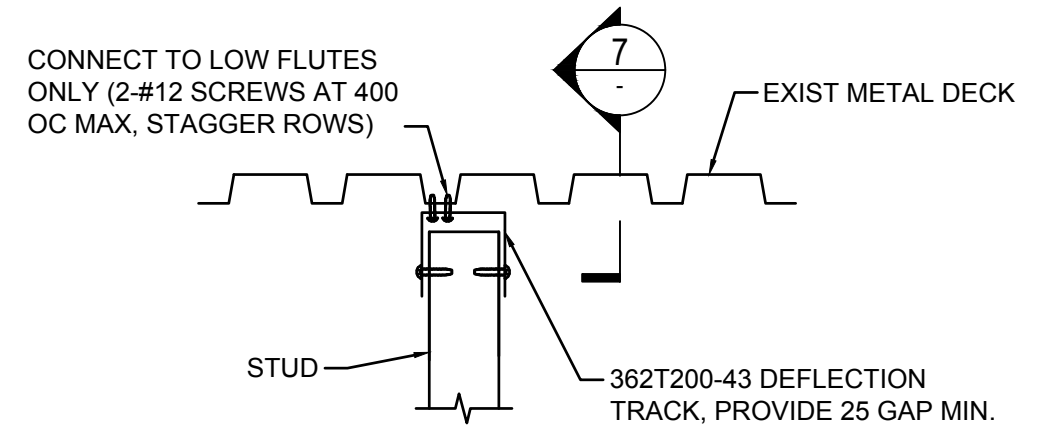




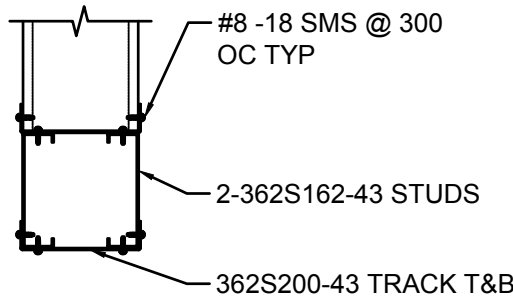
1
S05 **TYP STUD CORNER**
N.T.S.



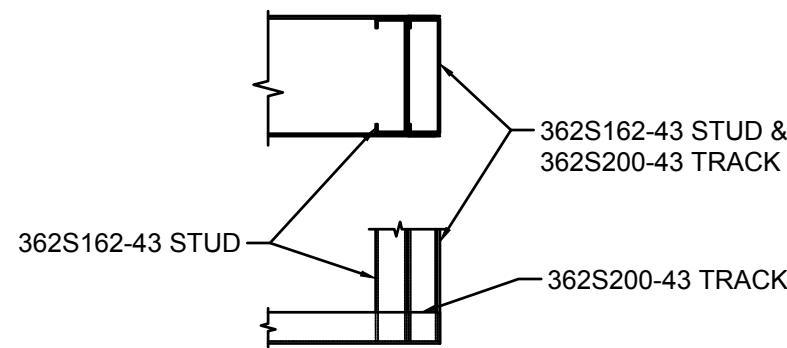
2
S05 **TYP STUD 'T' JUNCTION**
N.T.S.



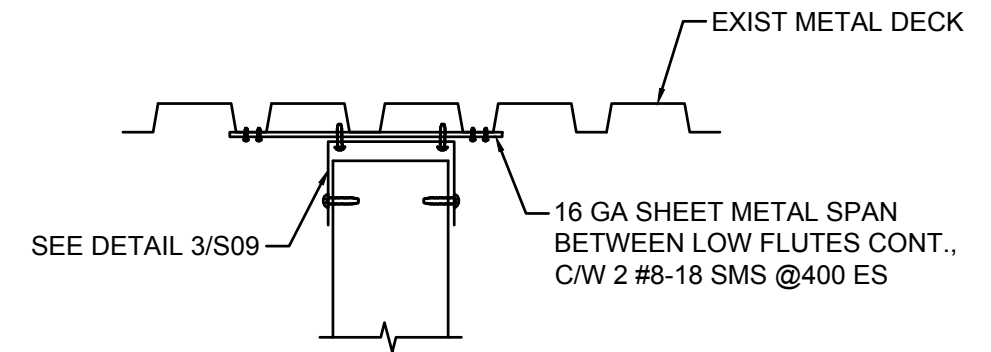
3
S05 **FULL HEIGHT STUD RESTRAINT**
N.T.S.



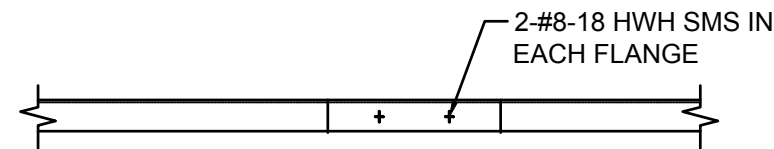
4
S05 **TYP DOOR HEADER**
N.T.S.



5
S05 **TYP DOOR JAMB**
N.T.S.



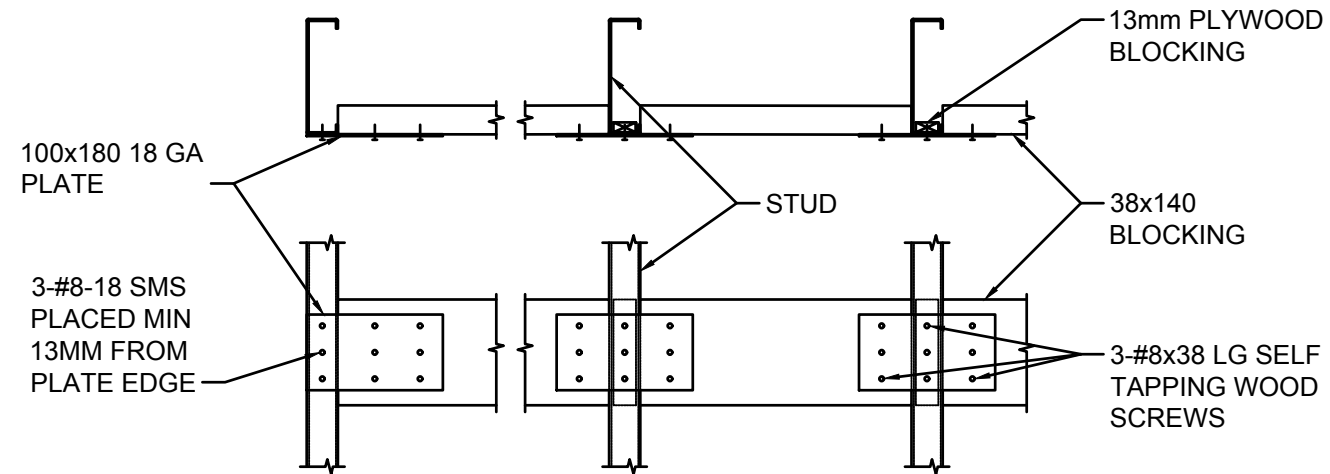
6
S05 **TYP TOP TRACK AT HIGH FLUTE**
N.T.S.



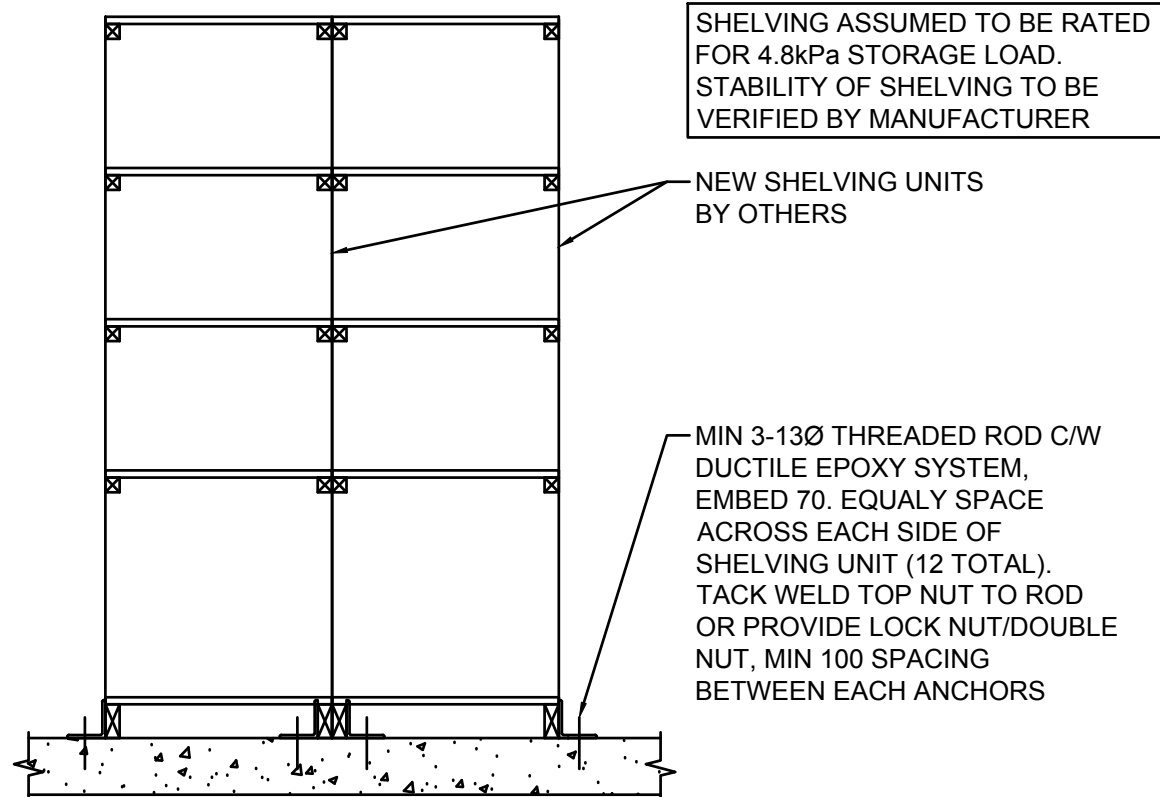
7
S05 **TYP TOP OR BOT TRACK SPLICE**
N.T.S.

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			Designed by/Concept par ASHLEY RENAUD, WSP CANADA INC	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architectural et de génie, TPSGC PREETIPAL PAUL	Sheet/Feuille S09	Revision/ Revision 1
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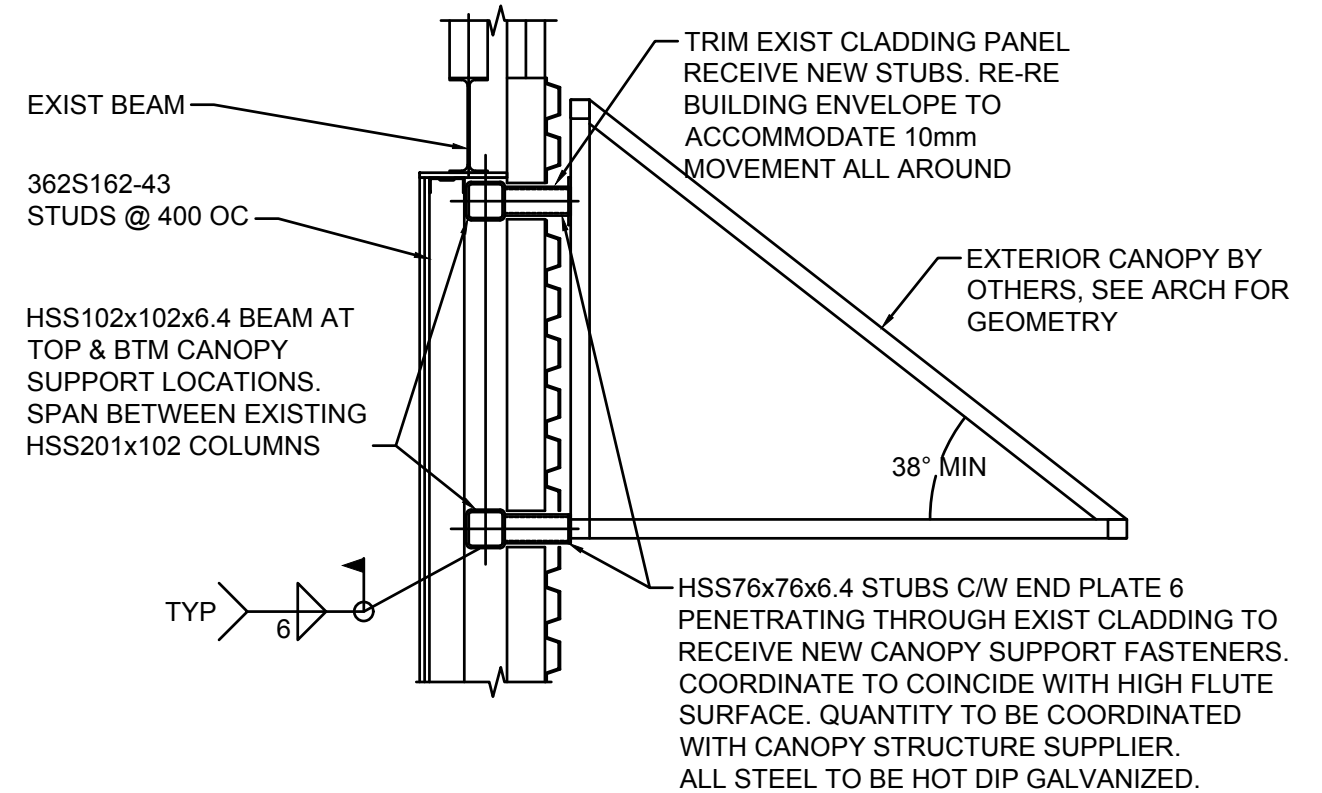




1
S05
TYP SHELVING RESTRAINT BLOCKING
N.T.S.



2
S05
TYP SHELVING RACK SEISMIC ANCHORAGE
N.T.S.



3
S05
TYP CANOPY SUPPORT DETAIL
1:20

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			Designed by/Concept par ASHLEY RENAUD, WSP CANADA INC	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC PREETIPAL PAUL	Sheet/Feuille S10
			Drawn by/Dessiné par JOHN GUERRA, WSP CANADA INC	Date/Date 2019-07-31	Revision/Revision 1



EQUIPMENT SCHEDULE

HP I - MITSUBISHI CEILING HEAT PUMP CASSETTE
PLA-A24EA7 7 kW COOLING 4.4 KW HEATING
208/230 V 1 PHASE MANUFACTURER RECOMMENDED
BREAKER 25 AMP 10 AWG R410A REFRIGERANT
SEER: 24.2 EER: 14.3

DIMENSIONS: 950mm X 950mm X 40 mm H
OR EQUIVALENT: DAIKIN, FUJITSU, CARRIER, SANYO
UNIT OPERATING TEMPERATURE: (HEATING) DB -8°C / WB -9°C
(COOLING) DB 35°C / WB 24°C

ACCESSORIES: - WINDSCREEN ON CONDENSER FOR OPERATION IN
TEMPERATURES BELOW -5°C
- WALL MOUNTED WIRED PROGRAMMABLE CONTROLLER
FOR COMBINED AC SYSTEM AND HRV SYSTEM
- LOW AMBIENT CONTROL
- AIR FLOW (CFM): 490 - 600 - 670 - 770
- SOUND dB : 28 - 30 - 33 - 36

CU I - MITSUBISHI OUTDOOR CONDENSING UNIT
PUZ-A24NHA7 208/230 V 1 PHASE MANUFACTURER
RECOMMENDED BREAKER 30 AMP 10 AWG
DIMENSIONS: 943mm HIGH X 950mm LONG X 417mm DEEP
OR EQUIVALENT: DAIKIN, FUJITSU, CARRIER, SANYO

WEIGHT lbs (kg) : 153 (69)
AIRFLOW (CFM) : 1940
SOUND db (A) : 47/48

HRV I - MITSUBISHI LOSSNAY HEAT RECOVERY VENTILATOR
LGH-F300RX5-E1 OR EQUIVALENT: VENMAR

ELECTRICAL : 208 V / 60 Hz
AIRFLOW : 91 CFM (43 l/s) @ 0.06" WC (15 Pa)
NOISE (db) : 18
WEIGHT (kg) : 33

ACCESSORIES - ACTUATED BY-PASS MODE DAMPER
- WALL MOUNTED WIRED PROGRAMMABLE CONTROLLER
FOR COMBINED AC SYSTEM AND HRV
- HIGH EFFICIENCY FILTER
- MOTORIZED AIR DAMPER ON OUTDOOR INLET DUCT
- BACKDRAFT DAMPER ON EXHAUST DUCT

EG I - EH PRICE RPG PERFORATED ROUND GRILLE 150mm DIAMETER
COMPLETE WITH TAMPER PROOF FASTENERS

LI - EH PRICE LOUVRE 300 mm x 300 mm
ACCESSORIES: - 12 mm SIZED x 14 GAUGE SECURITY SCREEN PERMANENTLY
SECURED TO FORMED ALUMINUM FRAME AND MOUNTED ON
INTERIOR LOUVRE FACE
- CONTINUOUS BLADES ONLY
- ANODIZED COATING (TO BE SELECTED BY ARCHITECT)

EQUALS: AIROLITE

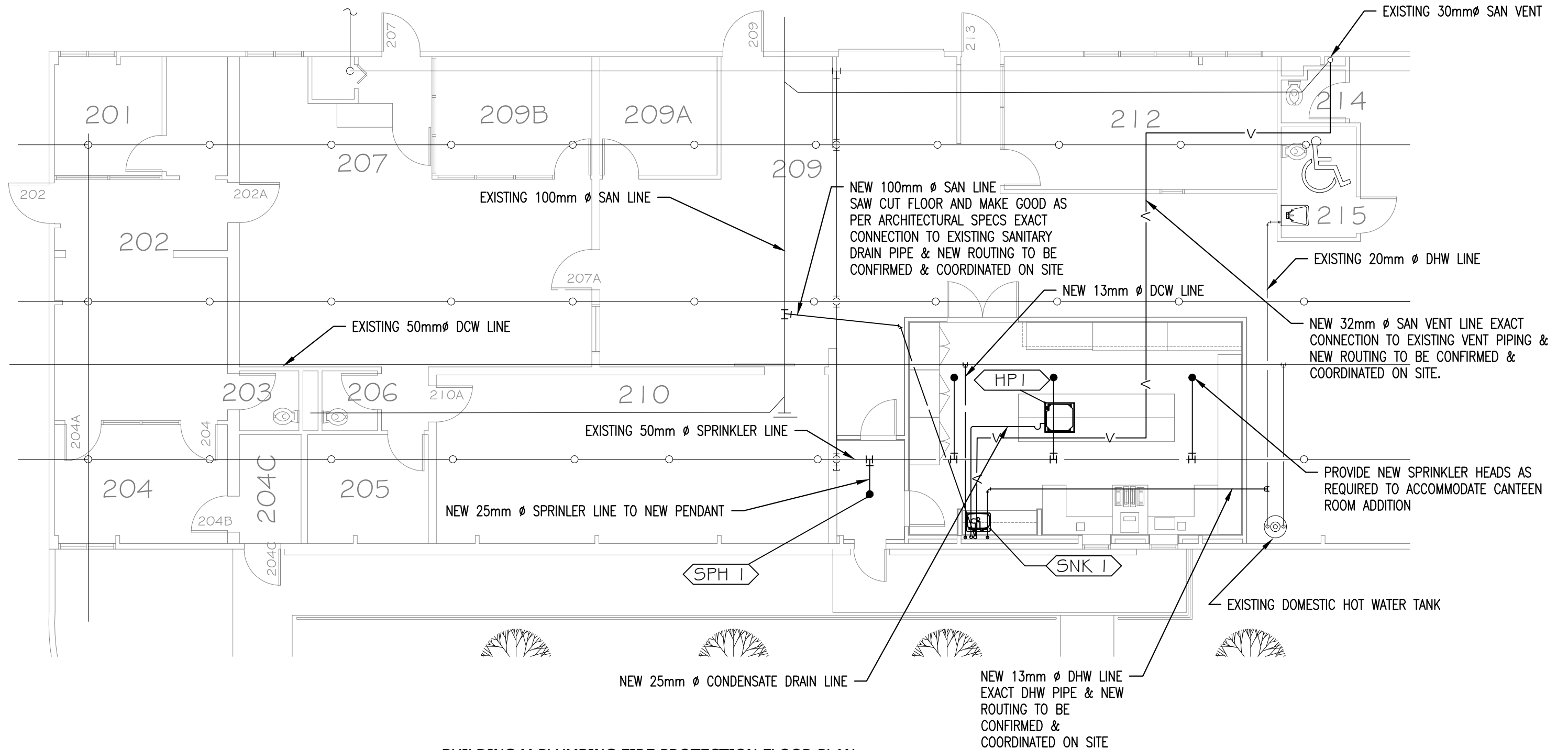
SNK I - KINDRED STEEL QUEEN SINGLE BOWL STAINLESS STEEL SINK
QSL1719/8 COMPLETE WITH DELTA 2179LF CHROME FINISH
FAUCET

OR EQUIVALENTS: AMERICAN STANDARD, ELKAY, KROWNE METAL

SPH I - VIKING QUICK RESPONSE PENDANT SPRINKLER HEAD CHROME
FINISH FLUSH MOUNT WITH ESCUTCHEON

Client/client CORRECTIONAL SERVICE CANADA	Project title/Titre du projet MISSION MEDIUM INSTITUTION 8751 STAVE LAKE STREET, MISSION, BC BUILDING M CANTEEN RELOCATION	Drawing title/Titre du dessin MECHANICAL EQUIPMENT SCHEDULES	Consultant Signature & Date Only	PWGSC Project Manager/Administrateur de Projets TPSGC PAUL RITHALER	Project No./No. du projet R.097976.001	
			Designed by/Concept par JIMMY NG	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC PREETIPAL PAUL	Sheet/Feuille M01	Revision/ Révision 0
			Drawn by/Dessiné par W CASOL	Date/Date 2019-04-08	OF 4	





1 BUILDING M PLUMBING FIRE PROTECTION FLOOR PLAN
Scale: 1:100

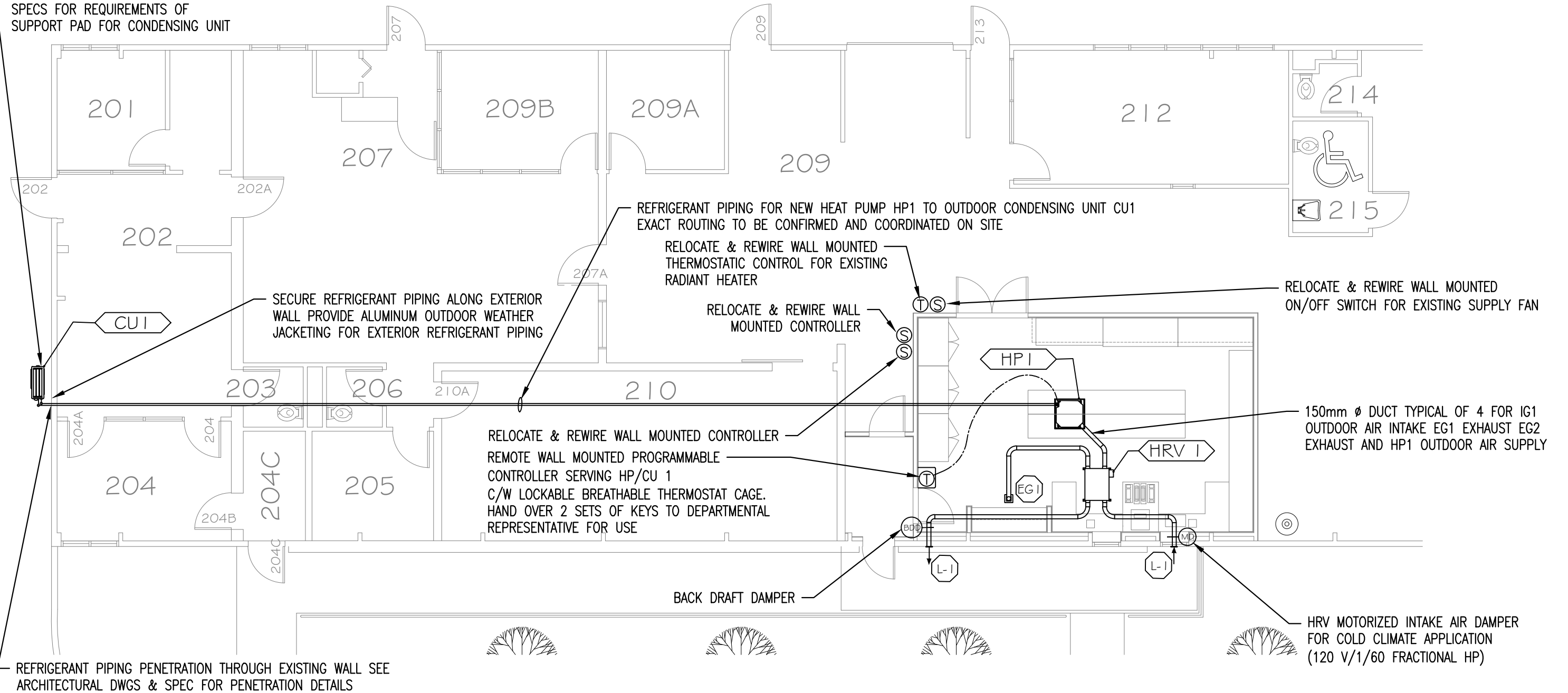


Client/client CORRECTIONAL SERVICE CANADA	Project title/Titre du projet MISSION MEDIUM INSTITUTION 8751 STAVE LAKE STREET, MISSION, BC BUILDING M CANTEEN RELOCATION	Drawing title/Titre du dessin BUILDING M PLUMB FIRE PRO FLOOR PLAN	Consultant Signature & Date Only		PWGSC Project Manager/Administrateur de Projets TPSGC PAUL RITHALER		Project No./No. du projet R.097976.001		
			Designed by/Concept par JIMMY NG		PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architecture et de génie, TPSGC PREETIPAL PAUL		Sheet/Feuille M02		Revision/ Révision 0
			Drawn by/Dessiné par W CASOL		Date/Date 2019-04-08		OF 4		





REFER TO ARCHITECTURAL STRUCTURAL
DRAWINGS
SPECS FOR REQUIREMENTS OF
SUPPORT PAD FOR CONDENSING UNIT

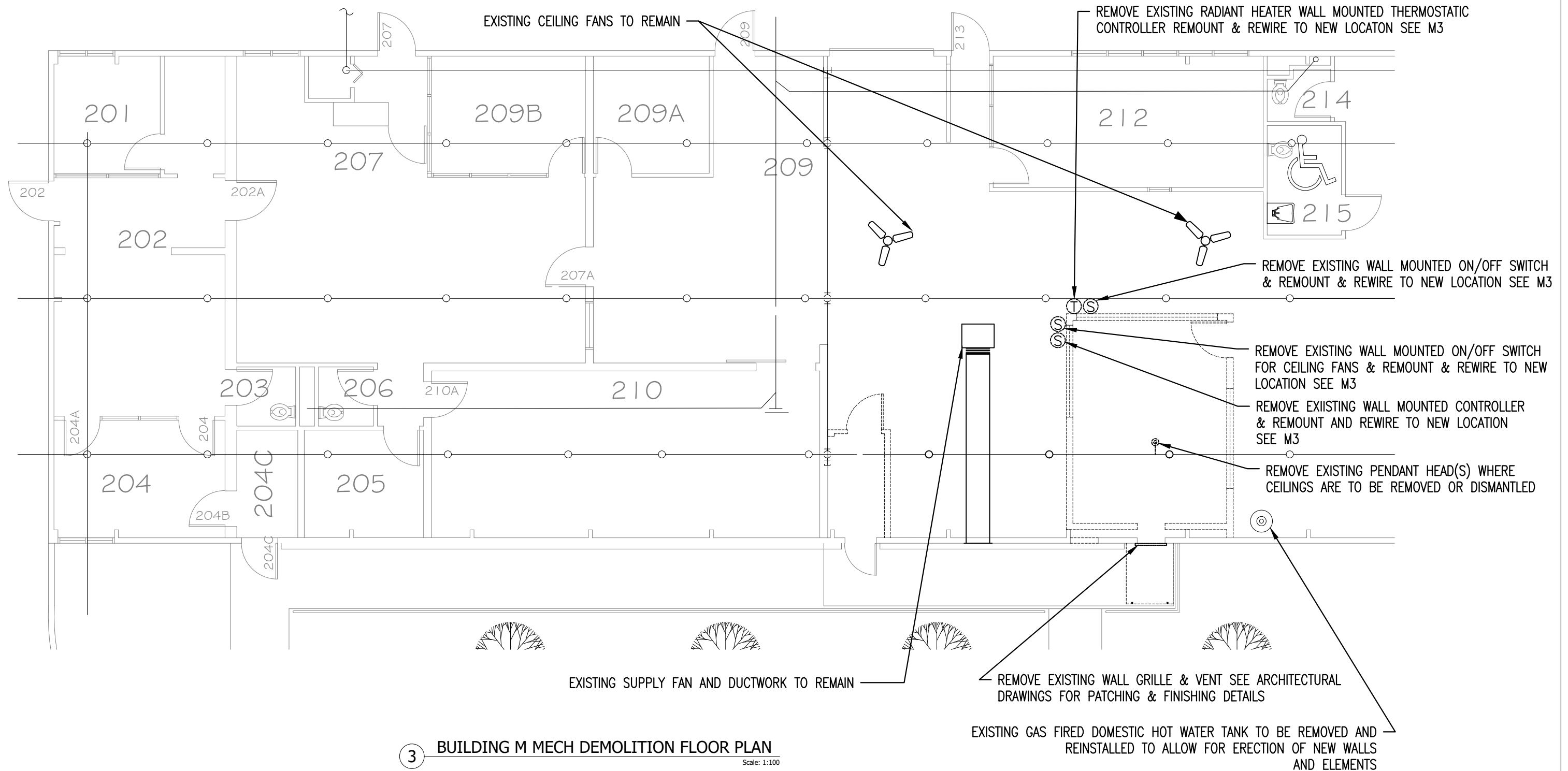


② BUILDING M HVAC FLOOR PLAN
Scale: 1:100



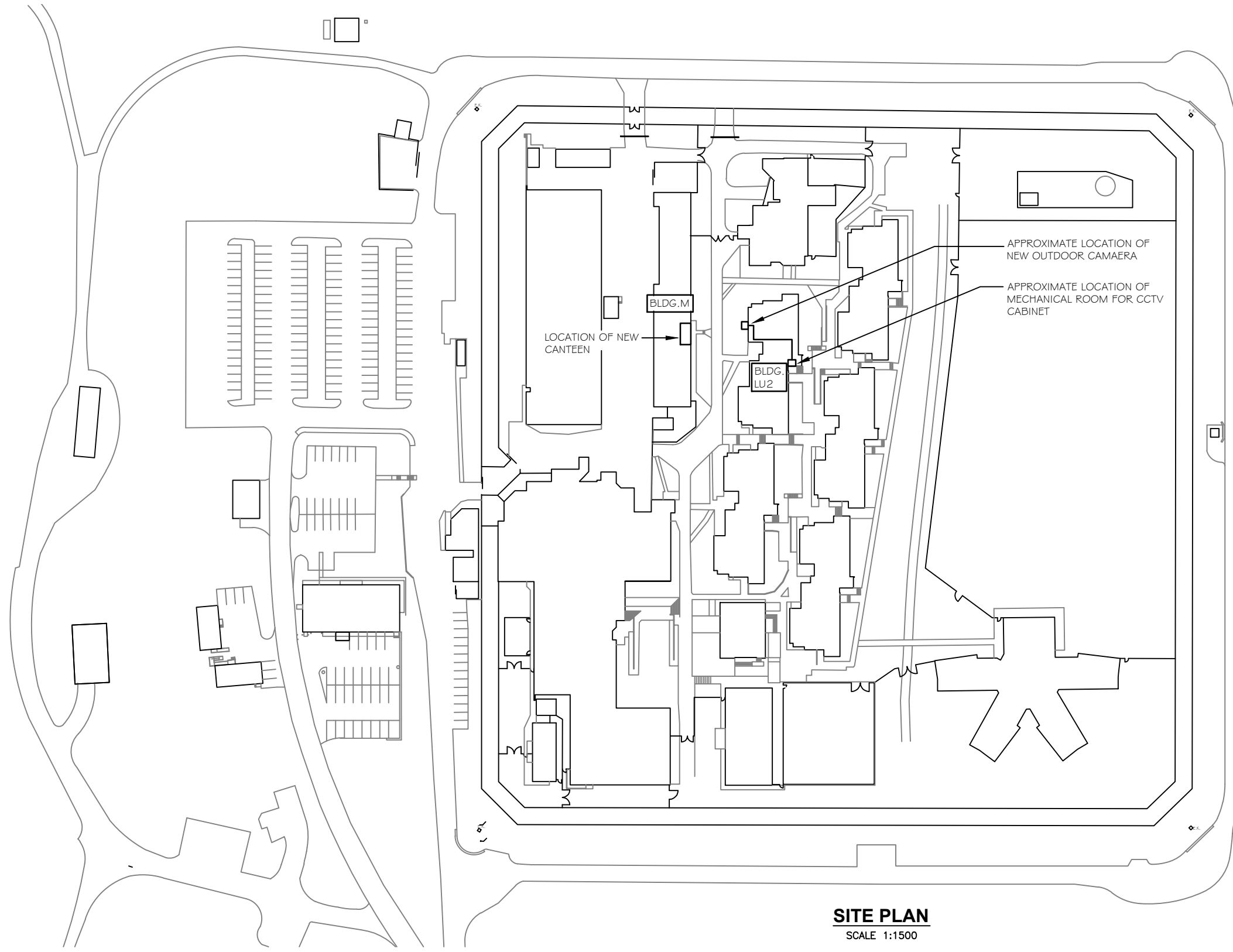
Client/client CORRECTIONAL SERVICE CANADA	Project title/Titre du projet MISSION MEDIUM INSTITUTION 8751 STAVE LAKE STREET, MISSION, BC BUILDING M CANTEEN RELOCATION	Drawing title/Titre du dessin BUILDING M HVAC FLOOR PLAN	Consultant Signature & Date Only		Project No./No. du projet R.097976.001	
			Designed by/Concept par JIMMY NG		PWGSC Project Manager/Administrateur de Projets TPSGC PAUL RITHALER	
			Drawn by/Dessine par W CASOL		Date/Date 2019-04-08	
					OF 4	





Client/client CORRECTIONAL SERVICE CANADA	Project title/Titre du projet MISSION MEDIUM INSTITUTION 8751 STAVE LAKE STREET, MISSION, BC BUILDING M CANTEEN RELOCATION	Drawing title/Titre du dessin BUILDING M MECH DEMOLITION FLOOR PLAN	Consultant Signature & Date Only		Project No./No. du projet R.097976.001	
			Designed by/Concept par JIMMY NG		PWGSC Project Manager/Administrateur de Projets TPSGC PAUL RITHALER	
			Drawn by/Dessine par W CASOL		Date/Date 2019-04-08	





SITE PLAN
SCALE 1:1500

Client/client CORRECTIONAL SERVICE CANADA	Project title/Titre du projet MISSION MEDIUM INSTITUTION 8751 STAVE LAKE STREET, MISSION, BC BUILDING M CANTEEN RELOCATION	Drawing title/Titre du dessin SITE PLAN	Consultant Signature & Date Only	PWGSC Project Manager/Administrateur de Projets TPSG PAUL RITHALER	Project No./No. du projet R.097976.001	
			Designed by/Concept par VEYSEL AYDIN	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architectural et de génie, TPSG PREETIPAL PAUL	Sheet/Feuille E01	Revision/Revision 1
			Drawn by/Dessine par STEVE BANFIELD	Date/Date ISSUED FOR TENDER 2019-11-30	OF	

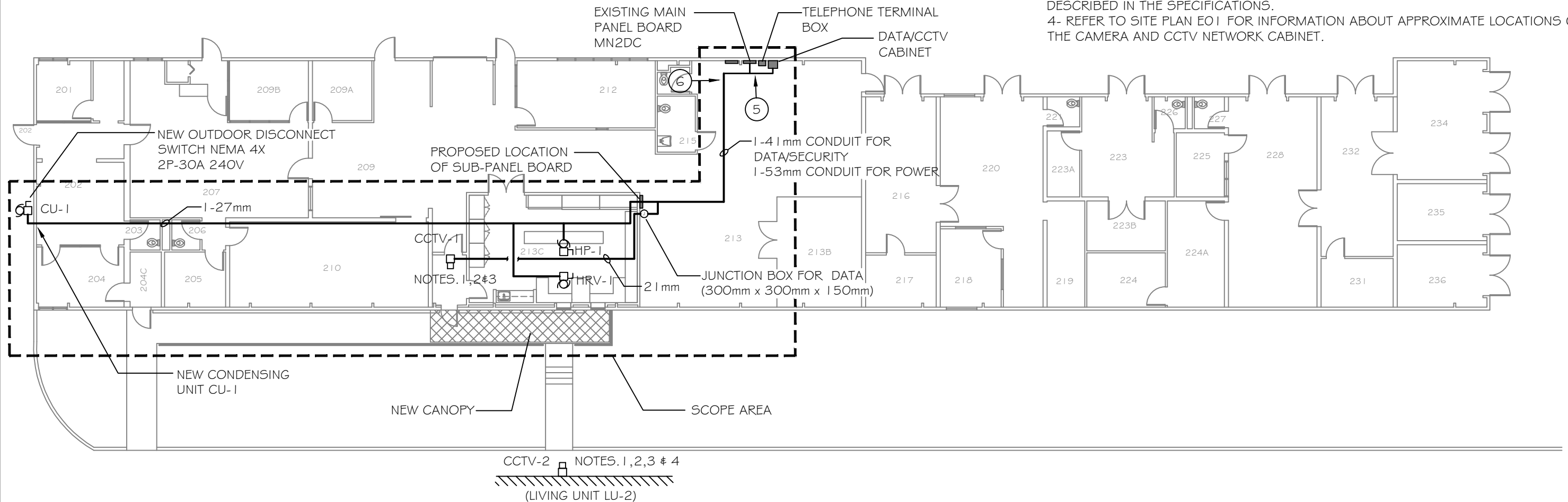


Unit M		210	Inmates Clothing	223a	Electronics Office
Maintenance - First Floor		212	ISS General Office	223b	Storage
Rm. #	Name	213	Institutional Supply & Service	224	Storage
201	Programs Coordinator	213b	Storage	224a	Paint Storage & Shop
202	Inmate Programs Assistant	213c	Canteen Storage	225	Carpenters Office
203	Staff Washroom	214	Inmate Washroom	226	Inmate Washroom
204	Boardroom	215	B.F. Staff Washroom	227	Inmate Washroom
204c	Inmate Waiting Area	216	Grounds	228	Carpentry & Paint Shop
205	Storage	217	Grounds	231	Plumbers Office
206	Staff Washroom	218	Chief of Works	232	Plumbers Shop
207	Finance Area	219	Plan Room	234	Plumbers Storage
209	Institutional Supply & Service	220	Works Office	235	Carpentry/Storage
209a	Chief Inst. Supply & Service	221	Staff Washroom	236	Fire Equipment Storage
209b	Chief Finance Office	223	Electrical Shop		

SYMBOL DENOTES THE NUMBER AND ANGLE OF PICTURE TAKEN FROM THE AREA SHOWN.

NOTES:

- 1- PROVIDE 2 NEW CCTV CAMERAS (ONE INDOOR, ONE OUTDOOR) AS SHOWN; ONE IN THE VESTIBULE AND ONE AT THE TOP OF THE BUILDING (LU-2) ACROSS THE ROAD. CONFIRM EXACT LOCATIONS ON SITE.
- 2- THIS WORK WILL INCLUDE BUT NOT LIMITED TO;
 - a) PROVIDE MOUNTING BRACKETS FOR EACH CAMERA AND RUN CONDUITS WITH CAT.6 UTP CABLE TO LOCAL CCTV NETWORK SWITCH (DATA/CCTV CABINET) SHOWN ON THIS DRAWING AND TO THE ELECTRICAL ROOM IN BUILDING LU-2 RESPECTIVELY.
 - b) TERMINATE CAT.6 CABLES ON THE NETWORK PATCH PANEL AND REPROGRAM THE SYSTEM IN COORDINATION WITH DEPARTMENTAL REPRESENTATIVE.
 - c) PAY AND OBTAIN LICENSES FOR CAMERAS TO USE IN CSC - CCTV SYSTEM.
- 3- HIRE CERTIFIED SECURITY CONTRACTOR TO PERFORM THE CCTV WORKS AS DESCRIBED IN THE SPECIFICATIONS.
- 4- REFER TO SITE PLAN EO1 FOR INFORMATION ABOUT APPROXIMATE LOCATIONS OF THE CAMERA AND CCTV NETWORK CABINET.



BUILDING M FLOOR PLAN

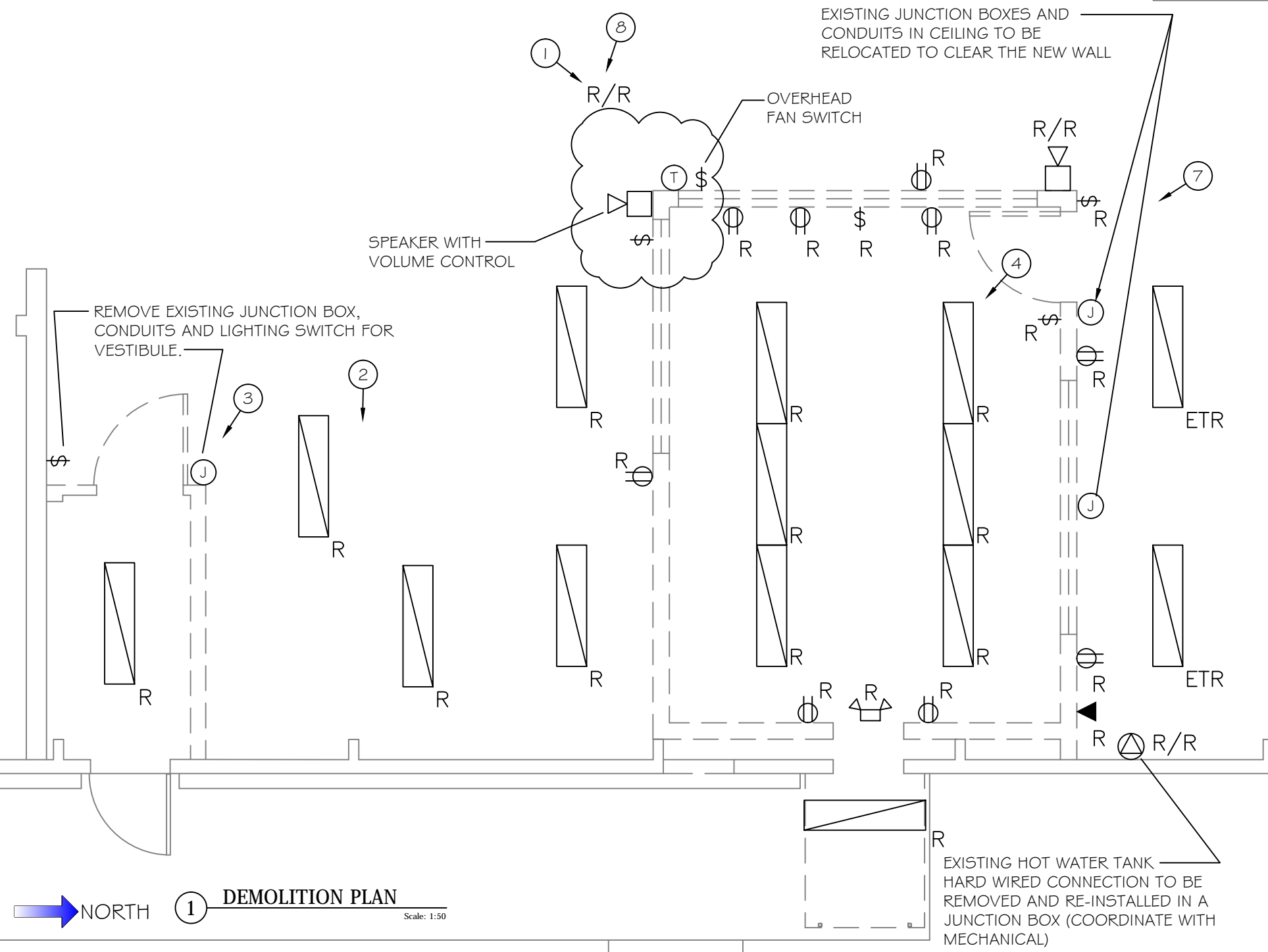
SCALE 1:200



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	BUILDING M CANTEEN RELOCATION		Designed by/Concept par VEYSEL AYDIN	PWSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architectural et de génie, TPSG PREETIPAL PAUL	Sheet/Feuille E02
			Drawn by/Dessine par STEVE BANFIELD	Date/Date ISSUED FOR TENDER 2019-11-30	Revision/ Révision 1



NOTE;
REMOVE ALL EXISTING WIRING AND CONDUITS IN THE
CEILING SPACE OF CONSTRUCTION AREA AND
RE-ROUTE AS REQUIRED. DISPOSE OF THE EXISTING
UNUSED WIRING AND CONDUITS.



LEGEND OF SYMBOLS

⊕	WALL MOUNTED DUPLEX RECEPTACLE
\$	SINGLE POLE TOGGLE SWITCH
⊖	THERMOSTAT
▶	SPEAKER
▼	TELEPHONE OUTLET
▼	DATA OUTLET
⊕	POWER CONNECTION (HARDWIRED)
⊕	JUNCTION BOX
▭	LED LUMINAIRE (SUSPENDED OR CEILING MOUNT)
⊕	EMERGENCY LIGHTING HEAD & BATTERY
⊕	QUAD RECEPTACLE
⊕	LUMINAIRE WALL MOUNTED
⊕	INTERCOM - RECEIVER STATION
⊕	INTERCOM BUZZER STATION
⊕	LED EXIT LIGHT - WITH BUILT-IN BATTERY
⊕	CCTV CAMERA
⊕	DESCRIBES TYPE OF LIGHT FIXTURE

ABBREVIATIONS

R	REMOVE
R/R	REMOVE AND RE-INSTALL
ETR	EXISTING TO REMAIN

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			Designed by/Concept par VEYSEL AYDIN	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architectural et de génie, TPSG PREETIPAL PAUL	Sheet/Feuille E03	Revision/ Révision 1
			Drawn by/Dessiné par STEVE BANFIELD	Date/Date ISSUED FOR TENDER 2019-11-30	OF	



PANEL 'C' COMPLETE WITH 100A-3P MAIN BREAKER 120/208V 100A 3PH-4W 42 CIRCUITS				PANEL 'C'			
LOAD	TRIP AMP	BR. NO.	BUS A B C	BR. NO.	TRIP AMP	LOAD	
FREEZER	15	1		2	15	RECEPTACLES	
FREEZER	15	3		4	15	INTERIOR LIGHTING	
FREEZER	15	5		6	15	RECEPTACLE COUNTER	
RECEPTACLES	15	7		8	15	RECEPTACLE COUNTER	
RECEPTACLES	15	9		10	15	RECEPTACLE COUNTER	
FREEZER	15	11		12	15	COMPUTER	
FREEZER	15	13		14	15	COMPUTER	
FREEZER	15	15		16	2P	A/C UNIT (CU-1)	
SPARE	15	17		18	30		
SPARE	15	19		20	15	HP-1 CONFIRM WITH MECHANICAL CONTRACTOR	
HRV-1	15	21		22	15		
	15	23		24	15	INTERCOM	
-		25		26	-		
-		27		28	-		
-		29		30	-		
-		31		32	-		
-		33		34	-		
-		35		36	-		
-		37		38	-		
-		39		40	-		
-		41		42	-		



PICTURE 1
SCALE NTS



PICTURE 2
SCALE NTS

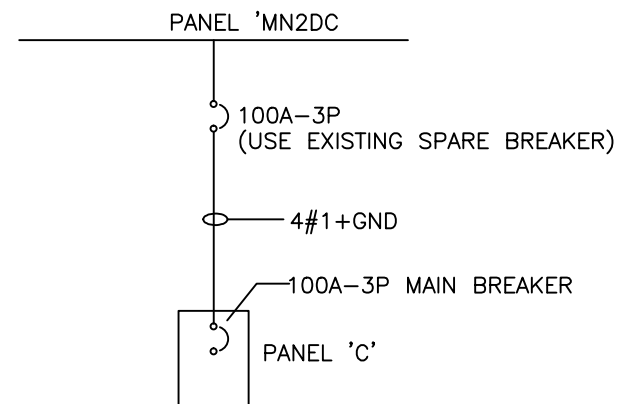


PICTURE 3
SCALE NTS



PICTURE 4
SCALE NTS

PANEL 'C'
SCALE NTS



SINGLE LINE DIAGRAM
SCALE NTS



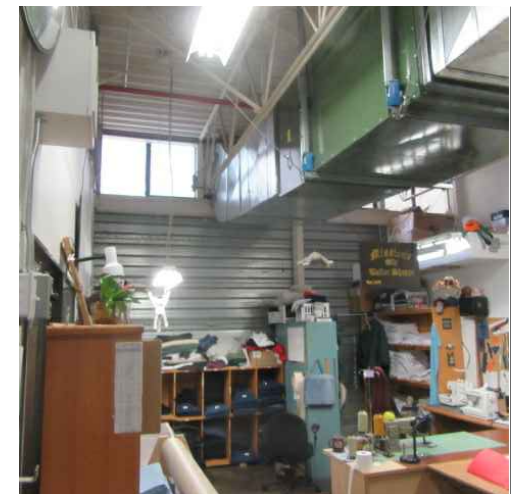
PICTURE 5
SCALE NTS



PICTURE 6
SCALE NTS



PICTURE 7
SCALE NTS



PICTURE 8
SCALE NTS

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			Designed by/Concept par VEYSEL AYDIN	PWGSC, Regional Manager, Architectural and Engineering Services/ Gestionnaire régionale, Services d'architectural et de génie, TPSG PREETIPAL PAUL	Sheet/Feuille E05	Revision/ Révision 1
			Drawn by/Dessine par STEVE BANFIELD	Date/Date ISSUED FOR TENDER 2019-11-30	OF	