

1
M1.0 GROUND FLOOR DEMOLITION PLAN - PLUMBING
1:100

DWG. #	TITLE
M1.0	GROUND FLOOR DEMOLITION PLAN - PLUMBING
M1.1	GROUND FLOOR RENOVATION PLAN - PLUMBING/MECHANICAL
M2.0	SECOND FLOOR DEMOLITION AND RENOVATION PLANS - PLUMBING
M3.0	SECOND FLOOR RENOVATION PLAN - FIRE PROTECTION
M4.0	SECOND FLOOR DEMOLITION AND RENOVATION PLANS - HVAC
M5.0	MECHANICAL SCHEDULES AND DETAILS
M6.0	MECHANICAL SCHEDULES
M6.1	MECHANICAL SPECIFICATIONS

PIPE SIZE CONVERSION TABLE	
DIAMETER NOMINAL DN (mm)	NOMINAL PIPE SIZE NPS (in)
6	¼
10	¾
12	½
20	¾
25	1
32	1¼
40	1½
50	2
65	2½
75	3
100	4
150	6

SYMBOL SCHEDULE	
	ELBOW DOWN
	ELBOW UP
	TEE DOWN
	TEE UP
	FLOW DIRECTION
	P-TRAP
	GATE VALVE
	BALL VALVE
	PLUG VALVE
	CHECK VALVE
	BALANCING VALVE
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	PRESSURE REDUCING VALVE
	STRAINER
	BACKFLOW DEVICE
	PIPE BREAK
	CLEANOUT AT GRADE
	PIPE CAP
	PIPE UNION
	HOSE BIB
	PUMP
	RELIEF VALVE
	AIR VENT
	PRESSURE GAUGE
	THERMOMETER
	DIFFERENTIAL PRESSURE REGULATOR
	PIPE TO DRAIN
	FLOOR DRAIN
	FUNNEL FLOOR DRAIN
	SANITARY DRAIN
	STORM DRAIN
	SANITARY - BELOW GRADE
	STORM - BELOW GRADE
	DRAIN TILE (PERFORATED)
	GAS - PROPANE
	SANITARY VENT
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RECIRC.
	HEATING WATER SUPPLY
	HEATING WATER RETURN
	REFRIGERANT SUPPLY
	REFRIGERANT RETURN
	SUPPLY AIR DUCT
	RETURN AIR DUCT
	EXHAUST AIR DUCT
	ROUND DUCT BREAK
	DUCT ACOUSTIC INSULATION
	SQUARE ELBOW WITH TURNING VANES
	ROUND ELBOW, r/W = 1.5
	ROUND DUCT UP
	ROUND DUCT DOWN
	FLOOR GRILLE
	BALANCING DAMPER
	SUPPLY AIR DIFFUSER / GRILLE
	RETURN GRILLE
	EXHAUST GRILLE
	CABINET EXHAUST FAN
	FIRE DAMPER IN VERTICAL DUCT
	FIRE DAMPER IN HORIZONTAL DUCT
	AIRFLOW DIRECTIONAL ARROW
	THERMOSTAT
	DETAIL DESIGNATION DRAWING TO FIND DETAIL
	EQUIPMENT IDENTIFIER - REFER TO EQUIPMENT SCHEDULES FOR NEW EQUIPMENT.
	GRILLE TYPE - REFER TO EQUIPMENT SCHEDULES.
	INLET SIZE
	AIRFLOW (CFM)
	PIPE INVERT RELATIVE TO REFERENCE FLOOR ELEVATION

Copyright Reserved
This plan and design are the exclusive property of Thinkspace Architecture Planning Interior Design (Thinkspace). No part of this drawing shall be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written consent of Thinkspace. This office shall be informed of any variations from the information shown on this drawing. Do not scale drawings.

Thinkspace, a partnership of:
Henk Kamphuis, Architect AIBC, A.A.A.
Mark Matheson, Architect AIBC, A.A.A.
Ray Wolfe, Architect AIBC

Issue Date	Issue Description
2018-11-02	ISSUED FOR 95% REVIEW
2018-11-09	ISSUED FOR BP
2018-11-15	ISSUED FOR BID

ROCKY POINT
ENGINEERING LTD.
VANCOUVER • VICTORIA • NANAIMO • KELOWNA • KAMLOOPS • NELSON

OKANAGAN OFFICE:
201-4420 ST PAUL STREET
KELOWNA, BC V1Y 2E6
TEL: (250) 763-3759

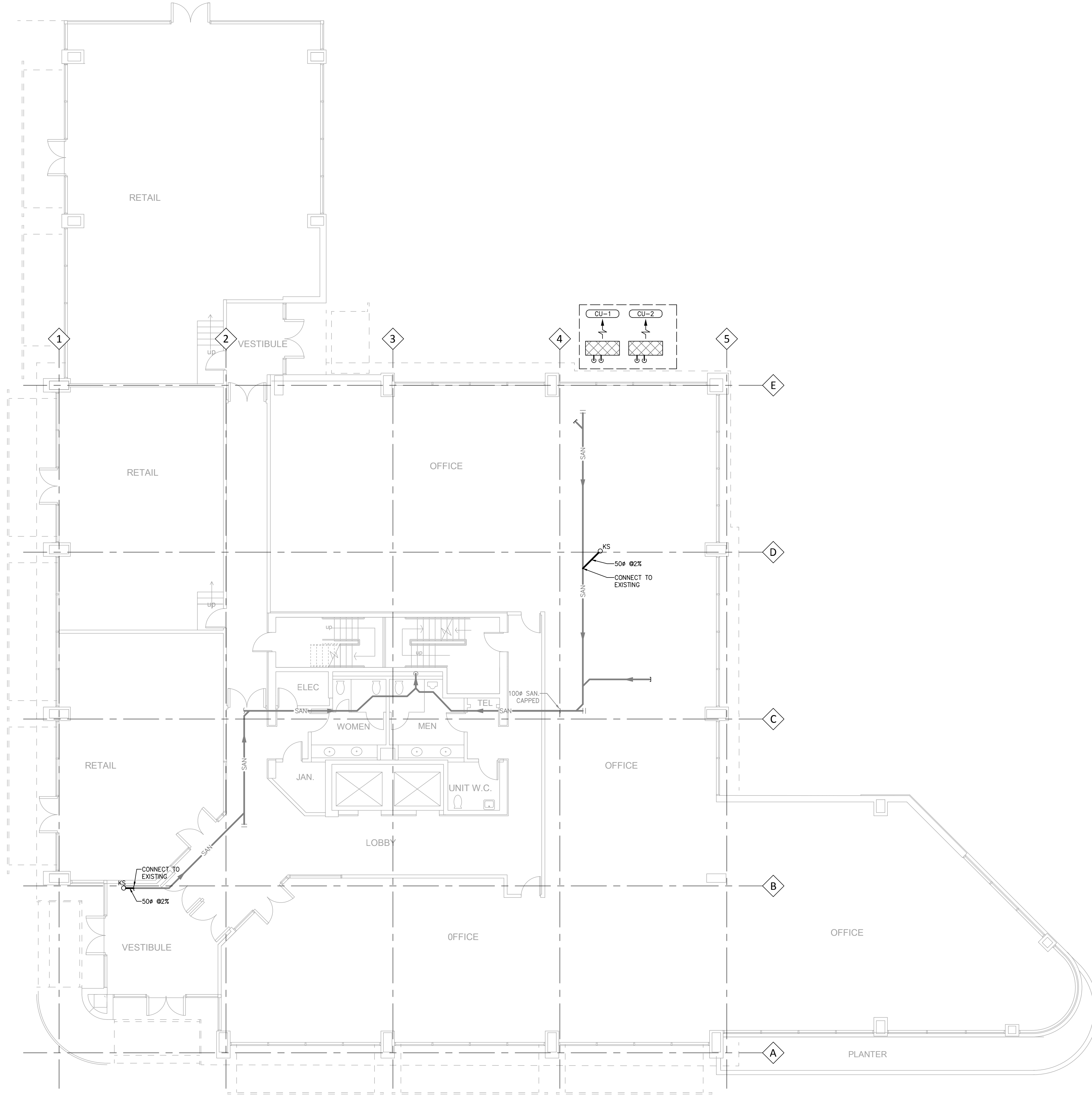
thinkspace
architecture planning interior design
206-1470 St. Paul Street | Kelowna, BC | V1Y 2E6
(250) 762 2503 f (250) 861 5047 www.thinkspace.ca

Project
**FIRST NATION HEALTH AUTHORITY
OFFICE TI RENOVATION, PRINCE GEORGE**
177 VICTORIA STREET, PRINCE GEORGE, BC

Sheet Number
18263

Sheet Number
M1.0

Drawing
**GROUND FLOOR DEMOLITION PLAN
PLUMBING**



1
M1.1 GROUND FLOOR RENOVATION PLAN — PLUMBING/MECHANICAL
1:100

Project Number
18263

Sheet Number
M1.1

Project
**FIRST NATION HEALTH AUTHORITY
OFFICE TI RENOVATION, PRINCE GEORGE**
177 VICTORIA STREET, PRINCE GEORGE, BC

Drawing
**GROUND FLOOR RENOVATION PLAN
PLUMBING/MECHANICAL**

thinkspace
architecture planning interior design
206-1470 St. Paul Street | Kelowna, BC | V1Y 2E6
t (250) 762 2503 f (250) 861 5047 www.thinkspace.ca

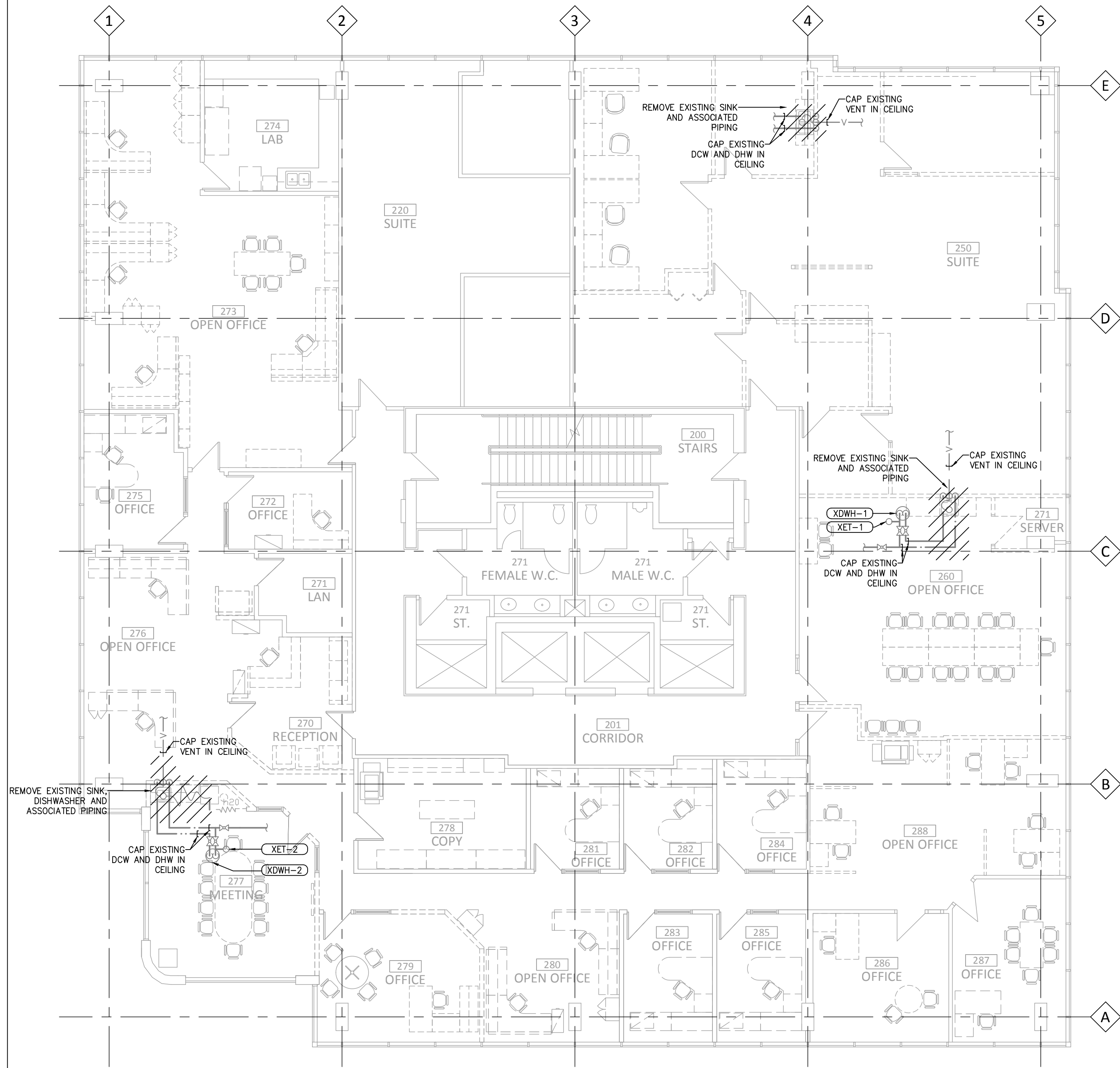
ROCKY POINT
ENGINEERING LTD.
VANCOUVER • LANGLEY • VICTORIA • NANAIMO • KELOWNA • KAMLOOPS • NELSON
OKANAGAN OFFICE:
201-4420 ST PAUL STREET
KELOWNA, BC V1Y 2E6
TEL: (250) 763-3799
WWW.RPENG.CA

Issued For
BID

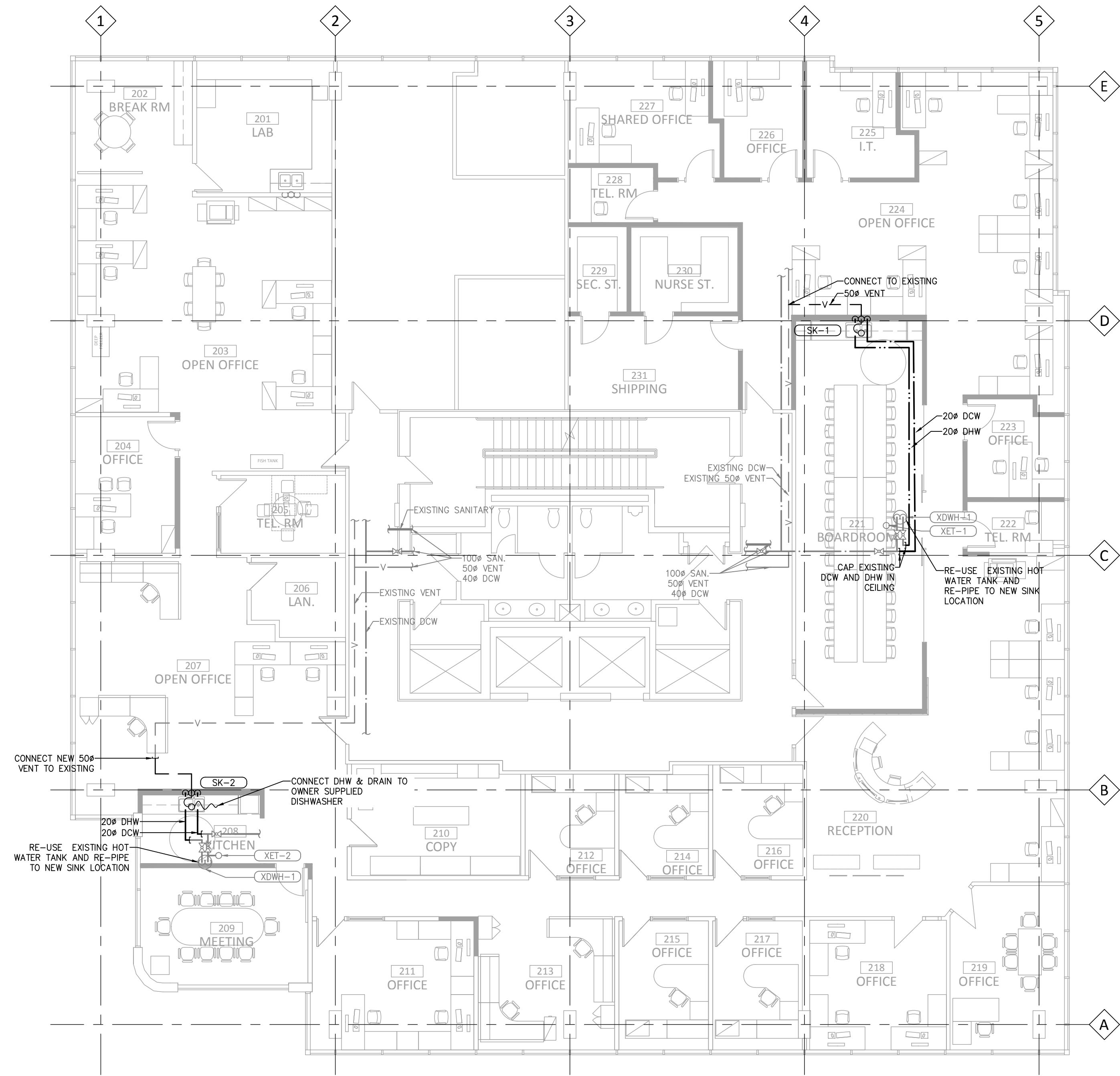
Issue Date 2018-11-15

NO.	DATE	DESCRIPTION
1.	2018-11-02	ISSUED FOR 95% REVIEW
2.	2018-11-09	ISSUED FOR BP
3.	2018-11-15	ISSUED FOR BID

Copyright Reserved
This plan and design are the exclusive property of Thinkspace Architecture Planning Interior Design (Thinkspace). No part of this drawing shall be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written consent of Thinkspace. This office shall be informed of any variations from the information shown on this drawing. Do not scale drawings.
Thinkspace, a partnership of:
Henk Kampanar, Architect AIBC, A.A.A.
Mark Matheson, Architect AIBC, A.A.A.
Ray Wolfe, Architect AIBC



1 SECOND FLOOR DEMOLITION PLAN -- PLUMBING
M2.0 1:100



2 SECOND FLOOR RENOVATION PLAN -- PLUMBING
M2.0 1:100

Project Number

18263

Sheet Number

M2.0

FIRST NATION HEALTH AUTHORITY
OFFICE TI RENOVATION, PRINCE GEORGE
177 VICTORIA STREET, PRINCE GEORGE, BC

SECOND FLOOR DEMOLITION AND
RENOVATION PLANS - PLUMBING

thinkspace
architecture planning interior design

206-1470 St. Paul Street | Kelowna, BC | V1Y 2L6
t (250) 762 2503 f (250) 861 5047 www.thinkspace.ca

ROCKY POINT
ENGINEERING LTD.
VANCOUVER • LANGLEY • VICTORIA • NANAIMO • KELOWNA • KAMLOOPS • NELSON
OKANAGAN OFFICE:
201-4420 ST PAUL STREET
KELOWNA, BC V1Y 2E6
TEL: (250) 763-3759
WWW.RPBC.CA

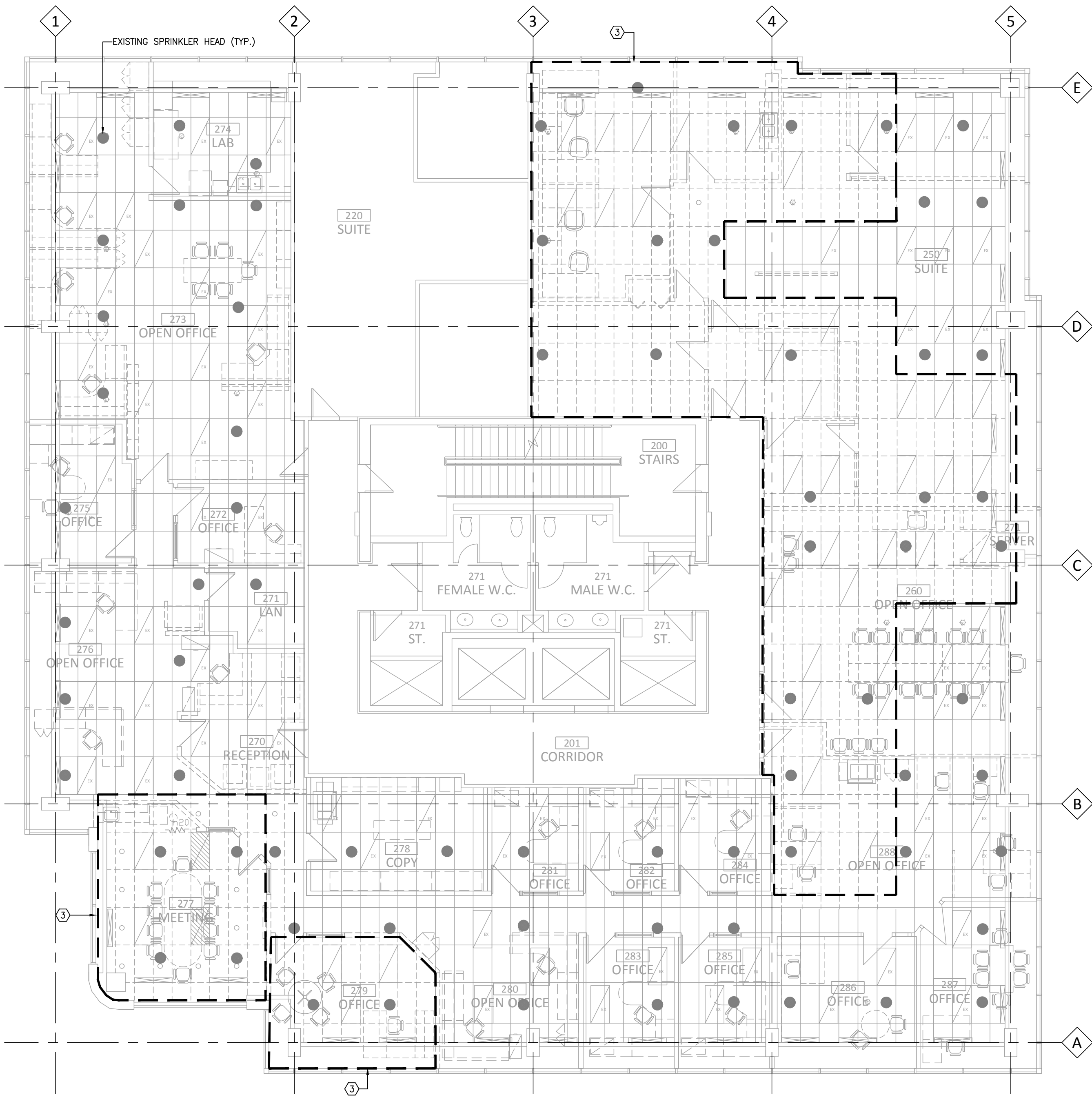
Issue For

NO.	DATE	DESCRIPTION
1	2018-11-02	ISSUED FOR 95% REVIEW
2	2018-11-09	ISSUED FOR BP
3	2018-11-15	ISSUED FOR BID

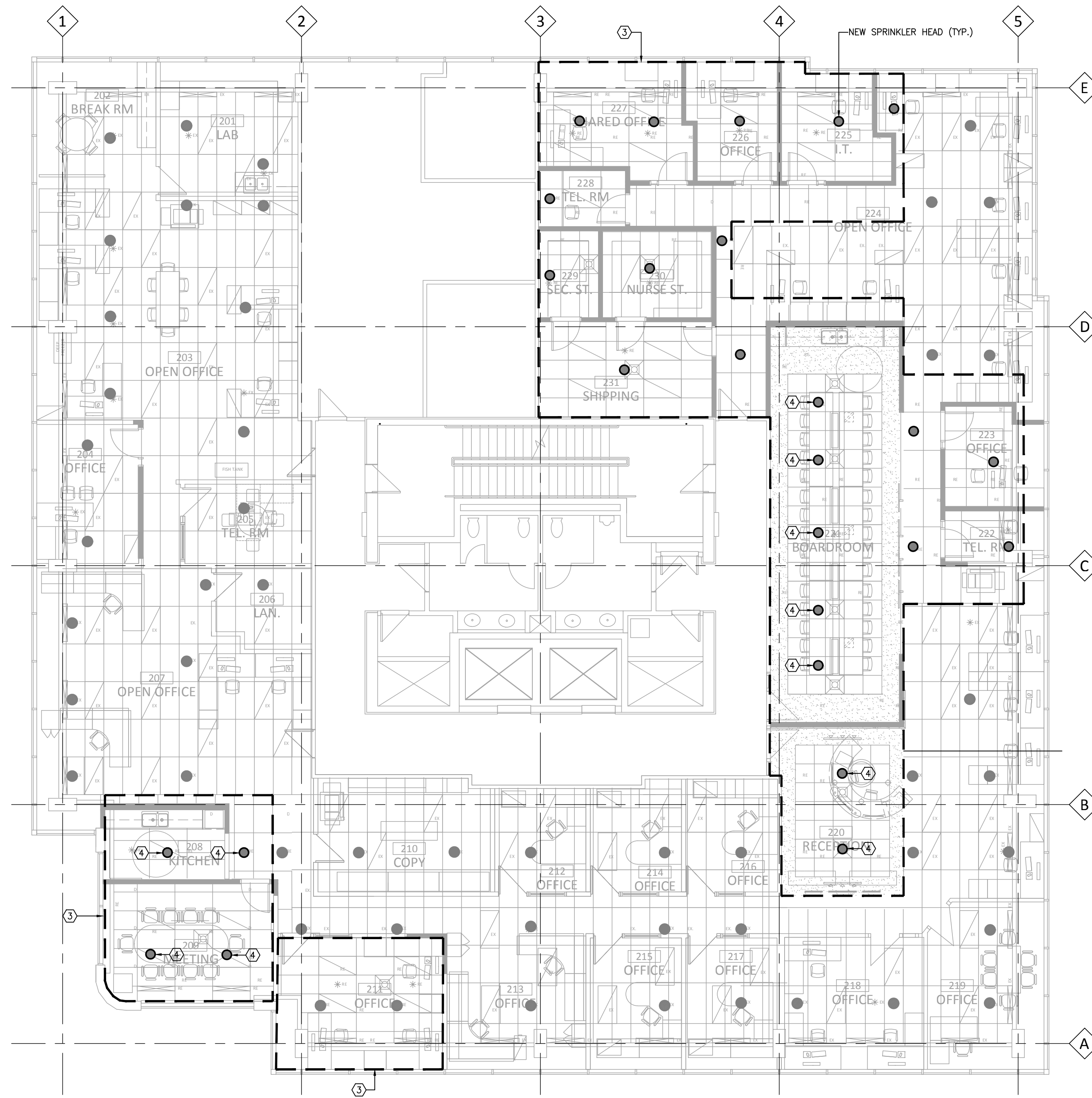
Issue Date 2018-11-15

Copyright Reserved
This plan and design are the exclusive property of Thinkspace Architecture Planning Interior Design (Thinkspace). No part of this drawing may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written consent of Thinkspace. This office shall be informed of any variations from the information shown on this drawing. Do not scale drawings.
Thinkspace, a partnership of:
Henk Kamphuis, Architect AIBC, A.A.A.
Mark Matheson, Architect AIBC, A.A.A.
Ray Wolfe, Architect AIBC

- KEYED NOTES:**
- 1 THE HEAD LAYOUTS, PIPING, AND COMPONENTS SHOWN HAVE BEEN SHOWN FOR GENERAL COORDINATION PURPOSES ONLY. THERE SHALL BE NO ADDITIONAL COST TO THE CLIENT FOR ADDITIONAL HEADS THAT ARE REQUIRED.
 - 2 SPRINKLER HEAD LOCATION SHALL SUBJECT TO APPROVAL BY THE ARCHITECT. PROVIDE ADDITIONAL HEADS UNDER OBSTRUCTIONS TO MEET CODE.
 - 3 EXISTING SUSPENDED TEE BAR CEILINGS ARE REMOVED IN THESE AREAS AND NEW CEILINGS INSTALLED. ADJUST EXISTING SPRINKLER PIPING AS REQUIRED TO SUIT NEW CEILING
 - 4 PROVIDE NEW FLUSH MOUNTED SPRINKLER HEADS IN KITCHEN, MEETING ROOM, BOARDROOM, AND RECEPTION AREAS.



1 SECOND FLOOR DEMOLITION PLAN – FIRE PROTECTION
M3.0 1:100



1 SECOND FLOOR RENOVATION PLAN – FIRE PROTECTION
M3.0 1:100

Project
**FIRST NATION HEALTH AUTHORITY
OFFICE TI RENOVATION, PRINCE GEORGE**
177 VICTORIA STREET, PRINCE GEORGE, BC

Sheet Number
18263

Drawing
M3.0

Second Floor Demolition and
Renovation Plan - Fire Protection

thinkspace
architecture planning interior design
206-1470 St. Paul Street | Kelowna, BC | V1Y 2E6
t (250) 762 2503 f (250) 861 5047 www.thinkspace.ca

ROCKY POINT
ENGINEERING LTD.
VANCOUVER • LANGLEY • VICTORIA • NANAIMO • KELOWNA • KAMLOOPS • NELSON
OKANAGAN OFFICE:
201-4420 ST PAUL STREET
KELOWNA, BC V1Y 2E6
WWW.RPBC.CA
TEL: (250) 763-3799

Issue For
BID

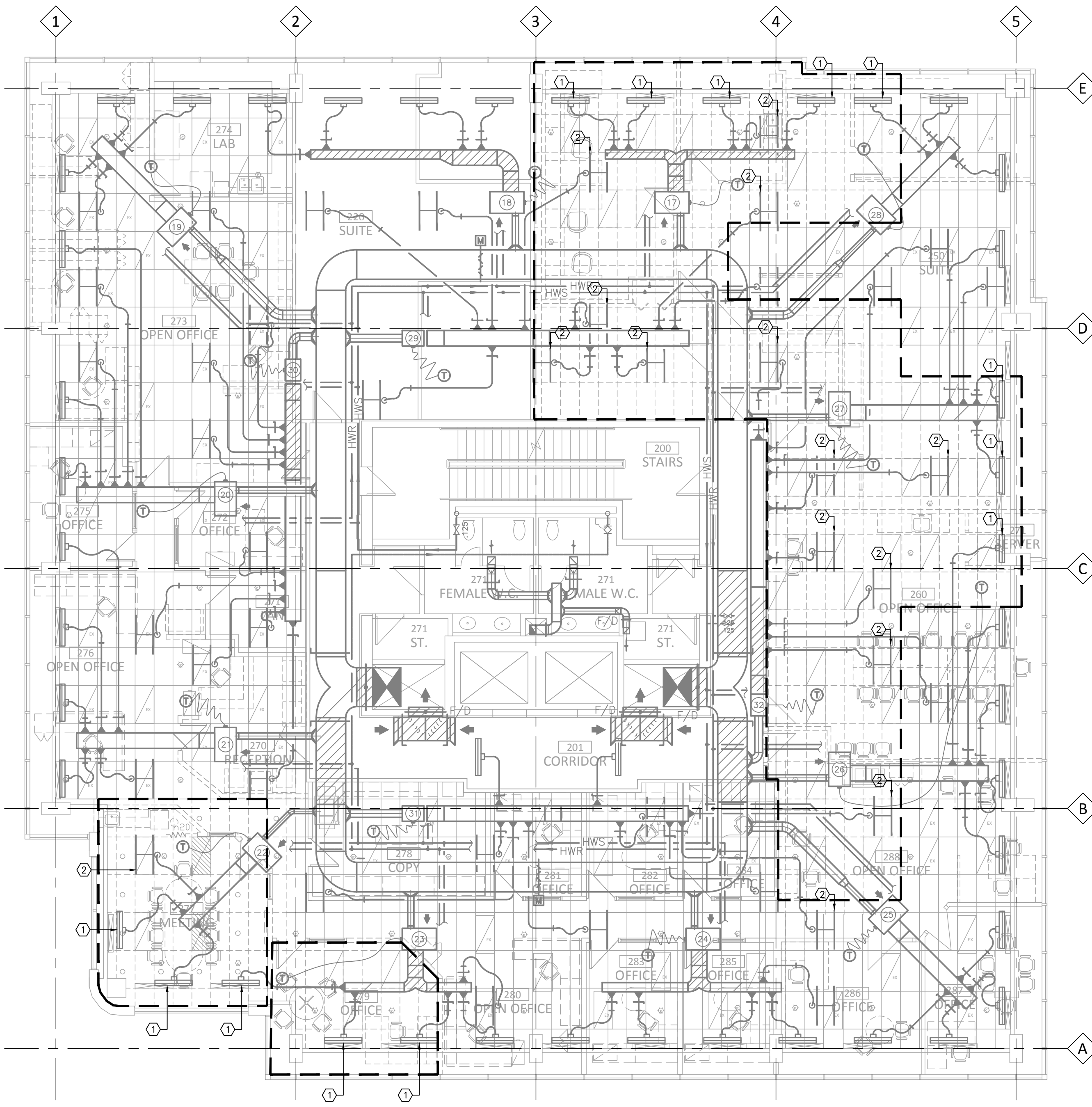
Issue Date 2018-11-15

NO.	DATE	DESCRIPTION
1	2018-11-02	ISSUED FOR 95% REVIEW
2	2018-11-09	ISSUED FOR BP
3	2018-11-15	ISSUED FOR BID

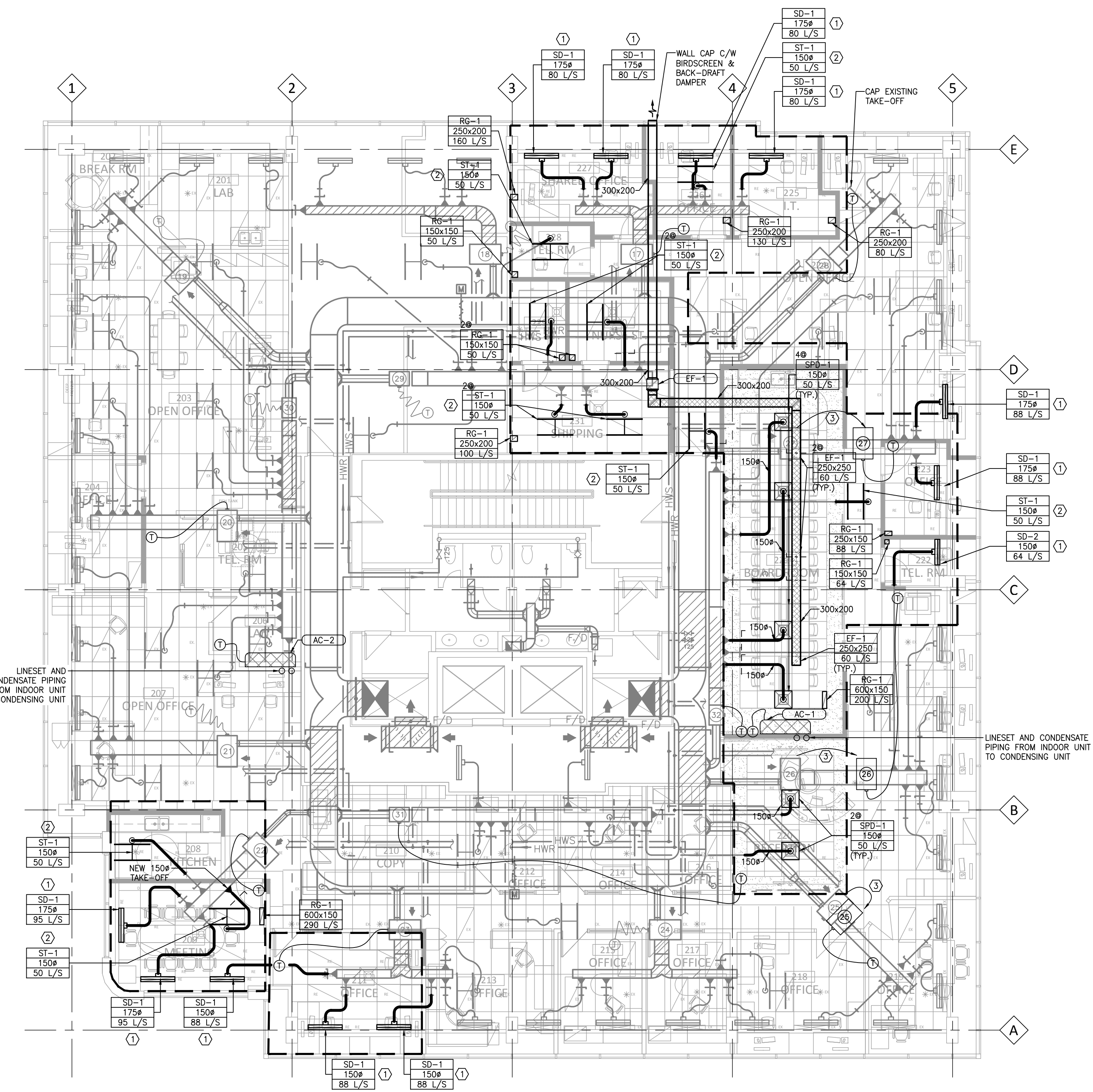
Copyright Reserved
This plan and design are the exclusive property of Thinkspace Architecture Planning Interior Design (Thinkspace). No part of this drawing shall be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written consent of Thinkspace. This office shall be informed of any variations from the information shown on this drawing. Do not scale drawings.
Thinkspace, a partnership of:
Mark Matheson, Architect AIBC, A.A.A.
Mark Matheson, Architect AIBC, A.A.A.
Ray Wolfe, Architect AIBC

- KEYED NOTES:**
- 1 REMOVE EXISTING LINEAR DIFFUSER AND REPLACE IN NEW SUSPENDED CEILING
 - 2 REMOVE EXISTING SUPPLY TROFFER AND REPLACE IN NEW SUSPENDED CEILING
 - 3 RELOCATE EXISTING VAV BOXES C/W CONTROLS AND NEW DUCTWORK SO THAT VAV BOXES ARE NOT LOCATED AT PARTITION WALLS. BOXES ARE TO BE LOCATED OUTSIDE OF THE BOARDROOM & RECEPTIONS AREA. ALL COMPONENTS REQUIRED FOR SERVICING SHALL BE ACCESSABLE.

- GENERAL NOTES:**
1. ALL EXISTING THERMOSTATS SHALL BE RELOCATED AS REQUIRED FOR NEW LAYOUT.
 2. ALL EXISTING TROFFERS SHALL BE RELOCATED AS REQUIRED FOR NEW LAYOUT.



1 SECOND FLOOR DEMOLITION PLAN - HVAC
M4.0 1:100



2 SECOND FLOOR RENOVATION PLAN - HVAC
M4.0 1:100

Copyright Reserved
This plan and design are the exclusive property of Thinkspace Architecture Planning Interior Design (Thinkspace). No part of this drawing shall be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written consent of Thinkspace. This office shall be informed of any variations from the information shown on this drawing. Do not scale drawings.
Thinkspace, a partnership of:
Mark Matheson, Architect AIBC, A.A.A.
Mark Matheson, Architect AIBC, A.A.A.
Roy Wolfe, Architect AIBC

Issue Date 2018-11-15

NO.	DATE	DESCRIPTION
1	2018-11-02	ISSUED FOR 95% REVIEW
2	2018-11-09	ISSUED FOR BP
3	2018-11-15	ISSUED FOR BID

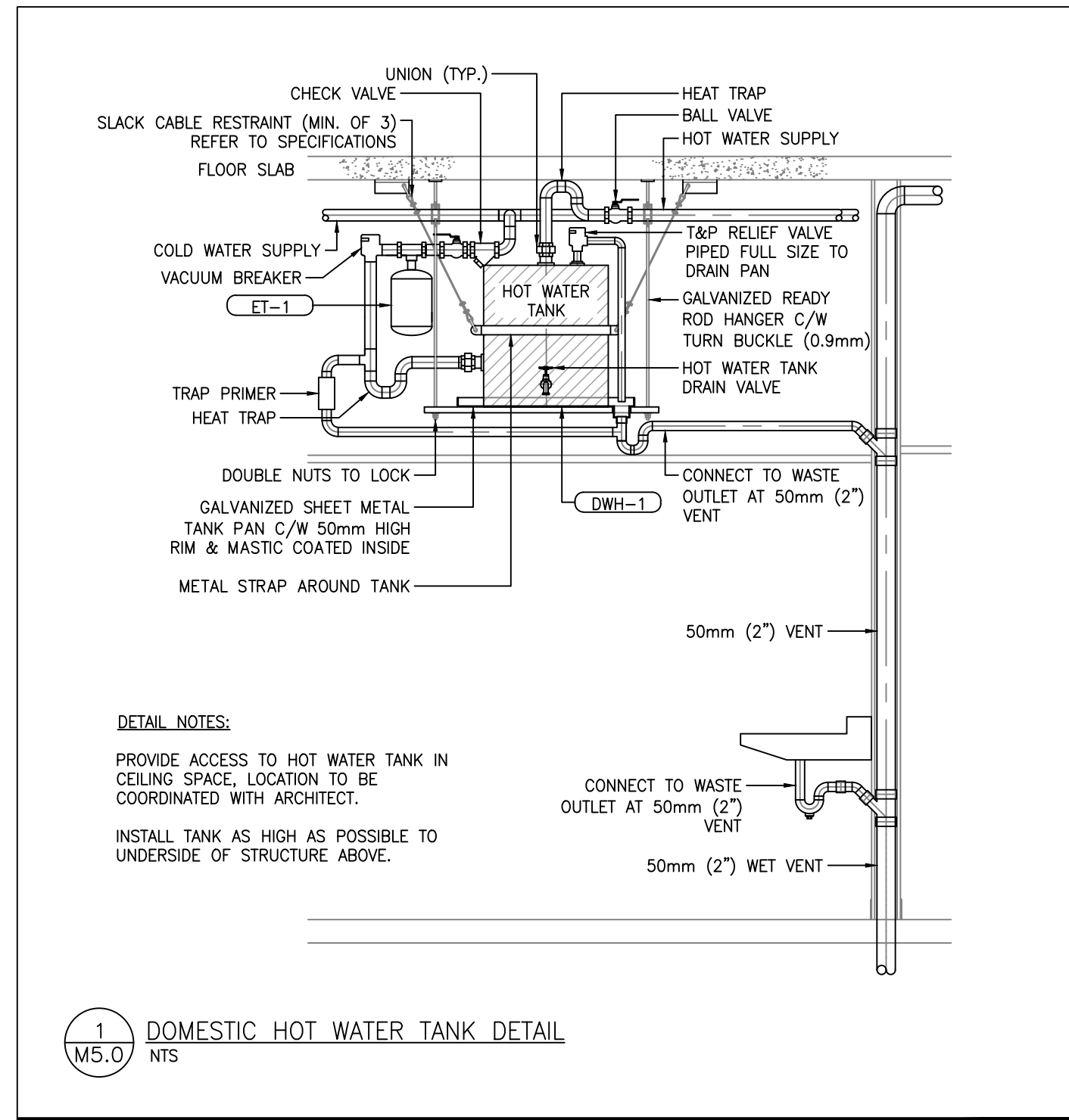
ROCKY POINT
ENGINEERING LTD.
VANCOUVER • LANGLEY • VICTORIA • NANAIMO • KELOWNA • KAMLOOPS • NELSON
OKANAGAN OFFICE:
201-4420 ST PAUL STREET
KELOWNA, BC V1Y 2E6
WWW.RPBCCA
TEL: (250) 763-3799

thinkspace
architecture planning interior design
206-1470 St. Paul Street Kelowna, BC | V1Y 2E6
t (250) 762 2503 f (250) 861 5047 www.thinkspace.ca

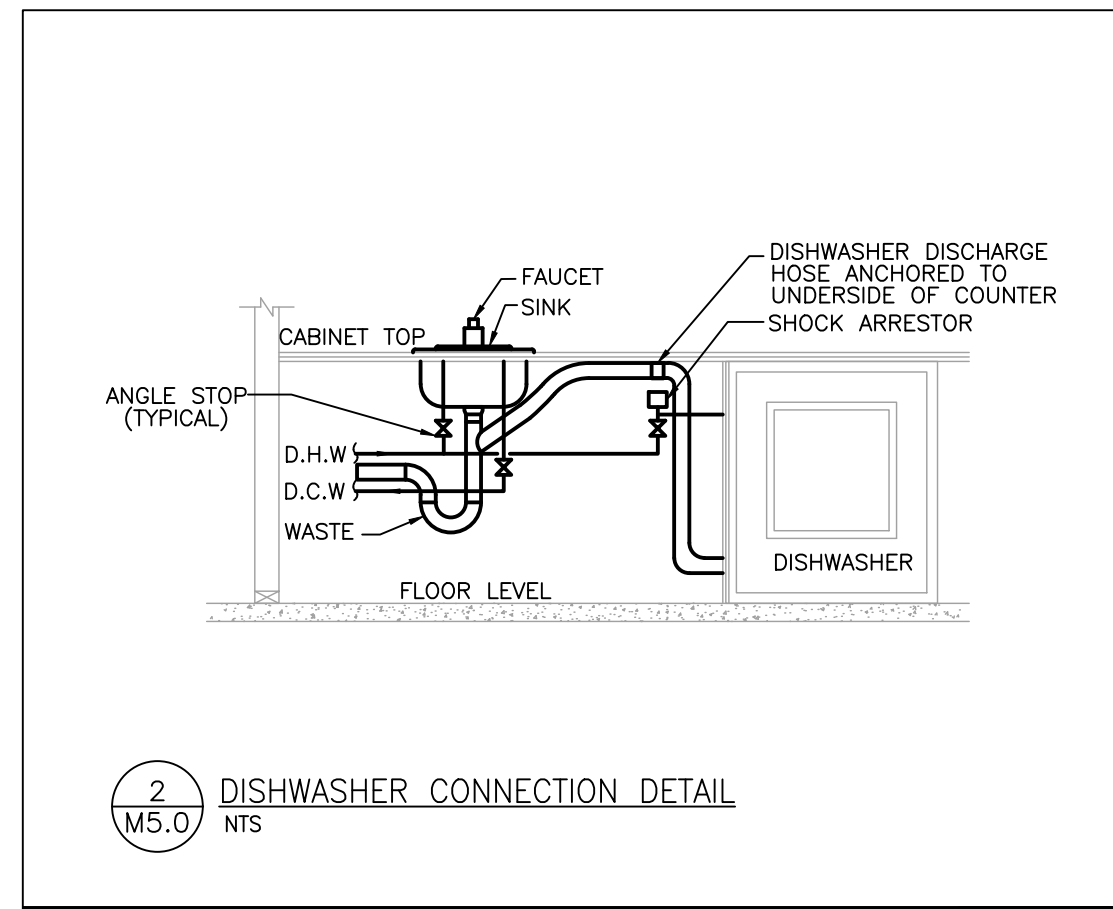
Project
**FIRST NATION HEALTH AUTHORITY
OFFICE TI RENOVATION, PRINCE GEORGE**
177 VICTORIA STREET, PRINCE GEORGE, BC

Sheet Number
18263

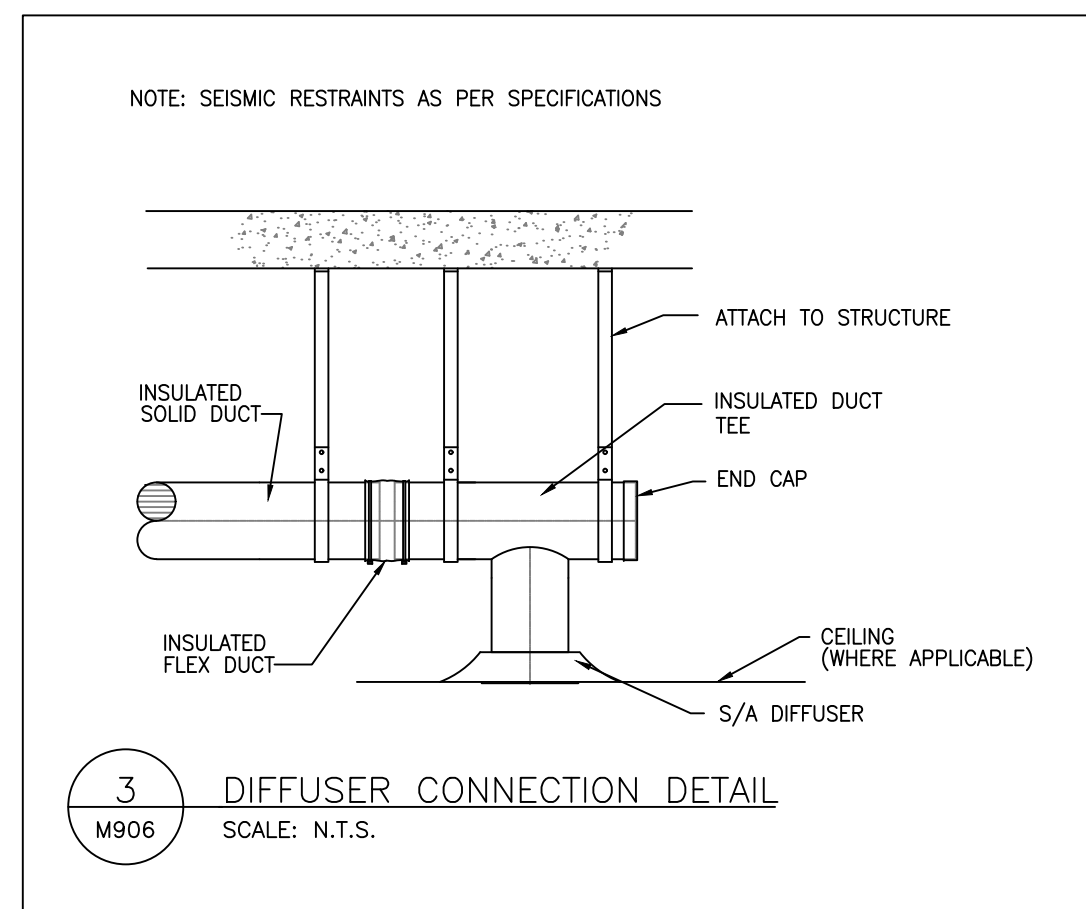
Drawing
M4.0
SECOND FLOOR DEMOLITION AND
RENOVATIONS PLANS - HVAC



1 DOMESTIC HOT WATER TANK DETAIL
M5.0 NTS



2 DISHWASHER CONNECTION DETAIL
M5.0 NTS



3 DIFFUSER CONNECTION DETAIL
M906 SCALE: N.T.S.

PLUMBING FIXTURE SCHEDULE		
FIXTURE TAG	LOCATION	DESCRIPTION
SK-1	BOARDROOM 221	KINDRED MODEL 'LBD640BP-1/1' S.S. DOUBLE COMPARTMENT SINK, 1x FAUCET HOLE, 20-1/2"x31-1/4"x8", COUNTER MOUNTED, BACK LEDGE, 18GA. 18-10 S.S., CRUMB CUP AND 3-1/2" WASTE ASSEMBLY, EXPOSED SURFACES W/ SATIN BOWL FINISH, FULLY UNDERCOATED, KOHLER FAUCETS MALLECO PULL-DOWN KITCHEN SINK FAUCET MODEL# K-R562-SD SINGLE HANDLE FAUCET, 6.8 LPM (1.8 GPM) OUTLET, PULL-OUT SPRAY, LAWLER #TMM-1070, BELOW DECK MECHANICAL WATER MIXING VALVE, BRONZE BODY, TEMPERATURE ADJUSTING DIAL, 10 MM (3/8") INLETS AND OUTLET COMPRESSION FITTINGS, HIGH TEMPERATURE THERMOSTATIC LIMIT STOP, SHUT-OFF WITH AUTOMATIC RESET WHEN TEMPERATURE EXCEEDS 120 °F (48.8 °C), INTEGRAL CHECKS, OFFER TEMPERATURE RANGE FROM FULL COLD THROUGH 46 °C (114.8 °F). NOTE : PROVIDE TEE, ADAPTORS AND FLEX. COPPER TUBING TO SUIT INSTALLATION. PROVIDE TEMPERED WATER TO HOT SIDE OF FAUCET. MCGUIRE #LFBV170 FAUCET SUPPLIES, CHROME PLATED FINISH POLISHED BRASS, COMMERCIAL DUTY 1/4 TURN BALL VALVE ANGLE STOPS, 13 MM (1/2") I.D. INLET X 127 MM (5") HORIZONTAL EXTENSION TUBES, CONVERTIBLE 1/4 TURN/LOOSE KEY HANDLES, ESCUTCHEON AND FLEXIBLE COPPER RISERS, MCGUIRE #8912CB P-TRAP, HEAVY CAST BRASS ADJUSTABLE BODY, WITH SLIP NUT, 38 MM (1-1/2") SIZE, BOX FLANGE AND SEAMLESS TUBULAR WALL BEND.
SK-2	KITCHEN 208	KINDRED MODEL 'LBD640BP-1/1' S.S. DOUBLE COMPARTMENT SINK, 1x FAUCET HOLE, 20-1/2"x31-1/4"x8", COUNTER MOUNTED, BACK LEDGE, 18GA. 18-10 S.S., CRUMB CUP AND 3-1/2" WASTE ASSEMBLY, EXPOSED SURFACES W/ SATIN BOWL FINISH, FULLY UNDERCOATED, KOHLER FAUCETS MALLECO PULL-DOWN KITCHEN SINK FAUCET MODEL# K-R562-SD SINGLE HANDLE FAUCET, 6.8 LPM (1.8 GPM) OUTLET, PULL-OUT SPRAY, LAWLER #TMM-1070, BELOW DECK MECHANICAL WATER MIXING VALVE, BRONZE BODY, TEMPERATURE ADJUSTING DIAL, 10 MM (3/8") INLETS AND OUTLET COMPRESSION FITTINGS, HIGH TEMPERATURE THERMOSTATIC LIMIT STOP, SHUT-OFF WITH AUTOMATIC RESET WHEN TEMPERATURE EXCEEDS 120 °F (48.8 °C), INTEGRAL CHECKS, OFFER TEMPERATURE RANGE FROM FULL COLD THROUGH 46 °C (114.8 °F). NOTE : PROVIDE TEE, ADAPTORS AND FLEX. COPPER TUBING TO SUIT INSTALLATION. PROVIDE TEMPERED WATER TO HOT SIDE OF FAUCET. MCGUIRE #LFBV170 FAUCET SUPPLIES, CHROME PLATED FINISH POLISHED BRASS, COMMERCIAL DUTY 1/4 TURN BALL VALVE ANGLE STOPS, 13 MM (1/2") I.D. INLET X 127 MM (5") HORIZONTAL EXTENSION TUBES, CONVERTIBLE 1/4 TURN/LOOSE KEY HANDLES, ESCUTCHEON AND FLEXIBLE COPPER RISERS, MCGUIRE #8912CB P-TRAP, HEAVY CAST BRASS ADJUSTABLE BODY, WITH SLIP NUT, 38 MM (1-1/2") SIZE, BOX FLANGE AND SEAMLESS TUBULAR WALL BEND.

FAN SCHEDULE											
FAN No.	SERVICE	LOCATION	MANUFACTURER	MODEL No.	AIR FLOW (L/S)	TOTAL STATIC PRESS. (Pa)	MOTOR (W)	RPM	ELECTRICAL (V/Ph/Hz)	TYPE	REMARKS
EF-1	BOARDROOM 221	CEILING	GREENHECK	SO-95-VG	180	62	124.3	1725	120/1/60	INLINE	CONTROLLED BY TIMER SWITCH

AC UNIT SCHEDULE									
TAG No.	MANUFACTURER	MODEL No.	AIR		HEATING CAPACITY (MBH)	TOTAL COOLING (kW)	MOTOR		REMARKS
			S/A FLOW	(L/S)			ELECTRICAL (V/Ph/Hz)	MCA	
AC-1	LG	LSN120HSV4	167/128/90	-	-	3.28	208/1/60	-	1,2,3
AC-2	LG	LSN090HSV5	160/150/110	-	-	3.0	208/1/60	-	1,2,3

REMARKS:
 1. ELECTRIC POWER SUPPLIED BY THE OUTDOOR UNIT.
 2. MAX PIPING LENGTH 100FT.
 3. CONDENSATE DRAIN PUMP WITH FLOW SWITCH AND DRAIN LINE UP TO CONDENSING UNIT LOCATED ON GROUND LEVEL.

CONDENSING UNIT SCHEDULE								
TAG No.	MANUFACTURER	MODEL No.	SIZE	COOLING CAPACITY (kW)	EER	ELECTRICAL (V/Ph/Hz)	MCA	REMARKS
CU-1	LG	LSU120HSV4	1.0 TONS	3.28	12.5	208/1/60	10A / 15A MAX	ULTRA LOW AMBIENT OPTION FOR -40°F OPERATION c/w LINESET & POWER WIRING TO OUTDOOR UNIT AC-1 & WALL MOUNTING BRACKETS
CU-2	LG	LSU090HV3	0.75 TONS	2.64	14.5	208/1/60	10A / 15A MAX	ULTRA LOW AMBIENT OPTION FOR -40°F OPERATION c/w LINESET & POWER WIRING TO OUTDOOR UNIT AC-1 & WALL MOUNTING BRACKETS

GRILLE, DIFFUSER, LOUVRE SCHEDULE	
GRILLE TYPE	DESCRIPTION
SUPPLY AIR	
SPD-1	E.H. PRICE MODEL SPD/31 600x600 SQUARE PLAQUE DIFFUSER FOR T-BAR LAY-IN/SURFACE MOUNTING.
SD-1	RE-USE EXISTING SLOT DIFFUSER C/W SUPPLY AIR PLENUM, 1200mm
SD-2	RE-USE EXISTING SLOT DIFFUSER C/W SUPPLY AIR PLENUM, 900mm
ST-1	RE-USE EXISTING LIGHT TROFFER DIFFUSER
RETURN / EXHAUST AIR	
RG-1	E.H. PRICE MODEL 80/F/A EGG CRATE FACE RETURN GRILLE. REFER TO DRAWINGS FOR MOUNTING TYPE.
EG-1	E.H. PRICE 530/F/L/A/B12 SINGLE DEFLECTION EXHAUST GRILLE

NOTES:
 NOTE 1: COLOURS SHALL BE AS SELECTED BY THE ARCHITECT. CONFIRM COLOUR SELECTIONS PRIOR TO ORDERING.
 NOTE 2: GRILLES, DIFFUSERS AND REGISTERS SHALL BE PROVIDED TO CONFORM TO ARCHITECTURAL AND STRUCTURAL DETAILING.
 CONFIRM:
 a) STRUCTURAL OPENING SIZES RELATIVE TO GRILLE REQUIREMENTS
 b) ARCHITECTURAL CEILING GRID MEASUREMENTS (i.e. HARD METRIC / IMPERIAL)

GENERAL NOTE:
 ALL GRILLES, DIFFUSERS AND REGISTERS WHICH ARE DUCT CONNECTED ARE TO BE PROVIDED WITH MANUAL DAMPERS AT CONNECTION DUCTS EXCEPT WHERE MANUAL DAMPERS ARE SPECIFIED INTEGRAL TO GRILLES.

Copyright Reserved
 This plan and design are the exclusive property of Thinkspace Architecture Planning Interior Design (Thinkspace) and shall not be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written consent of Thinkspace. This office shall be informed of any variations from the information shown on this drawing. Do not scale drawings.
 Thinkspace is a partnership of:
 Mark Kampanaris, Architect AIBC, A.A.A.
 Mark Mathiasen, Architect AIBC, A.A.A.
 Ryan Wolfe, Architect AIBC

ISSUED FOR	ISSUE DATE	DESCRIPTION
BID	2018-11-15	GLOBAL REVISIONS LIST
NO.	DATE	DESCRIPTION
1	2018-11-02	ISSUED FOR 95% REVIEW
2	2018-11-09	ISSUED FOR BP
3	2018-11-15	ISSUED FOR BID

ROCKY POINT
 ENGINEERING LTD.
 VANCOUVER • LANGLEY • VICTORIA • NANAIMO • KELOWNA • KAMLOOPS • NELSON
 OKANAGAN OFFICE:
 201-4420 ST PAUL STREET
 KELOWNA, BC V1Y 2E6
 TEL: (250) 763-3759

thinkspace
 architecture planning interior design
 206-1470 St. Paul Street | Kelowna, BC | V1Y 2E6
 (250) 762 2503 f (250) 861 5047 www.thinkspace.ca

Project
**FIRST NATION HEALTH AUTHORITY
 OFFICE TI RENOVATION, PRINCE GEORGE**
 177 VICTORIA STREET, PRINCE GEORGE, BC

Sheet Number
18263

Drawing
M5.0

MECHANICAL SCHEDULES AND DETAILS

28. PIPE & PIPE FITTINGS

- 28.1. ENSURE ALL PIPE MATERIALS AND FITTINGS ARE ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
28.2. ALL TYPE 'K' COPPER MUST BE CERTIFIED TO ASTM B88. PROVIDE WRITTEN GUARANTEE THAT LEAD FREE SOLDER WAS USED ON ALL DOMESTIC WATER SYSTEMS.
28.3. APPROVED PIPE & FITTINGS: (NON-COMBUSTIBLE CONSTRUCTION)
SERVICE PIPE FITTINGS
SANITARY ABOVE GRADE DWV COPPER COPPER OR CAST BRASS 95-5 CAST IRON WROUGHT SOLDER WITH STAINLESS STEEL COUPLING
DOMESTIC WATER ABOVE TYPE 'K' COPPER (LEAD-FREE) WROUGHT COPPER OR BRASS WITH 95.5% SOLDER
FIRE PROTECTION SCHEDULE 40 TO N.F.P.A. STANDARDS SCREWED OR MECHANICAL JOINTS
SPLIT SYSTEM REFRIGERATION PIPING SILVER SOLDERED JOINTS

29. SUPPORT, ANCHORS & SEALS

- 29.1. PROVIDE ALL NECESSARY SUPPORTS, AND HANGERS TO SECURE MECHANICAL SYSTEMS AND EQUIPMENT.
29.2. PROVIDE FIRE STOPPING AT ALL DUCT AND PIPING PENETRATIONS THROUGH RATED FLOORS/WALLS AND SHAFTS.
29.3. PROVIDE OVERSIZE HANGERS ON ALL COLD PIPES TO FIT OVER PIPE INSULATION WHERE REQUIRED.
29.4. PROVIDE ISOLATION AND PREVENT CONTACT WITH DISSIMILAR METALS.
29.5. ALL SLEEVES FOR MECHANICAL PIPING TO EXTEND 1" ABOVE THE FLOOR IN ALL MECHANICAL ROOM, SHAFTS AND WET AREAS.
29.6. ALL DUCTWORK TO BE SUPPORTED AS PER SMACNA.
29.7. ALL EXPOSED PIPING PENETRATIONS SHALL BE PROVIDED WITH ESCUTCHEONS AT THE PENETRATION POINT.

30. VALVES

- 30.1. PROVIDE VALVES FOR HEATING WATER, DOMESTIC WATER, GAS AND REFRIGERATION SYSTEMS.
30.2. PROVIDE GATE, GLOBE, BALL, BUTTERFLY, DRAIN AND CHECK VALVES.
30.3. PROVIDE ALL NECESSARY VALVES SUITABLE FOR THE FLUID AND PIPING SYSTEM.
30.4. INSTALL ALL VALVES IN UPRIGHT OR HORIZONTAL POSITION.
30.5. PROVIDE DRAIN VALVES AT ALL LOW POINTS IN THE PIPING SYSTEM.
30.6. PROVIDE ISOLATION VALVE AT EACH PLUMBING FIXTURE.
VALVES PERMITTED:
DOMESTIC HOT & COLD BALL GATE OR BALL
HEAT PUMP WATER GATE OR BALL
30.7. VALVES UP TO 2" DIAMETER CAN BE SWEATED OR SCREWED CONNECTION. VALVES LARGER THAN 2" DIAMETER MUST BE SCREWED, FLANGED OR MECHANICALLY COUPLED TO PIPING SYSTEM.

31. VIBRATION ISOLATION

- 31.1. PROVIDE VIBRATION ISOLATION FOR ALL MOTOR DRIVEN EQUIPMENT. TO MAINTAIN NOISE CRITERIA LEVELS AT OR BELOW ASHRAE RECOMMENDED LEVELS.
31.2. PROVIDE SPRING ISOLATOR FOR ALL MOTOR DRIVEN EQUIPMENT LARGER THAN 1/2 H.P. FOR EQUIPMENT 1/2 H.P. AND LESS NEOPRENE ISOLATORS MAY BE USED.
31.3. ALL ISOLATORS PROVIDED SHALL INCORPORATE SEISMIC RESTRAINTS. ISOLATORS FOR BASE MOUNTED EQUIPMENT SHALL BE SEISMIC ISOLATORS.
31.4. PROVIDE HORIZONTAL LIMIT SPRINGS ON ALL FANS (EXCEPT VERTICAL DISCHARGE) IN EXCESS OF 0.3" STATIC PRESSURE.
31.5. ALL FLOOR MOUNTED NON-ISOLATED EQUIPMENT (I.E. BOILERS, TANKS, AIR HANDLING UNITS) SHALL BE BOLTED TO STRUCTURE AND BE DESIGNED FOR A 2G APPLIED HORIZONTAL FORCE.
31.6. SUBMIT SHOP DRAWINGS OF ISOLATORS WHICH ARE NOT SUPPLIED BY THE EQUIPMENT MANUFACTURER.
31.7. ALL ELECTRICAL CONNECTIONS TO EQUIPMENT ARE TO BE PROVIDED WITH FLEXIBLE CONNECTORS AND CABLE WITH A MINIMUM 30' BEND OR FLEXIBLE CONDUIT.
31.8. PROVIDE FLEXIBLE DUCTWORK AND PIPING CONNECTIONS TO ALL EQUIPMENT WHICH INCORPORATES VIBRATION ISOLATIONS.

32. SEISMIC REQUIREMENTS

- 32.1. PROVIDE AND INSTALL SEISMIC RESTRAINTS FOR ALL EQUIPMENT, DUCTWORK AND PIPING INSTALLED BY THIS DIVISION IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:
32.2. BC BUILDING CODE 2012
32.2.1.NFPA 13 2013
32.2.2.NFPA 20
32.2.3.SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS".
32.3. THE INSTALLATION OF SEISMIC RESTRAINTS SHALL NOT COMPROMISE VIBRATION ISOLATION CAPABILITIES.
32.4. PRIOR TO CONSTRUCTION COMMENCEMENT, CONTRACTOR SHALL ORGANIZE A MEETING WITH THE GENERAL CONTRACTOR, MECHANICAL CONTRACTOR, STRUCTURAL CONSULTANTS AND OTHER APPROPRIATE PARTIES. AT THAT MEETING, THE CONTRACTOR SHALL PRESENT IN GENERAL THE APPROACHES/DETAILS USED TO PROVIDE SEISMIC BRACING FOR EQUIPMENT, DUCTWORK AND PIPING HIGHLIGHTING ATTACHMENTS TO STRUCTURE AND TRADE COORDINATION.
32.5. SEISMIC RESTRAINTS FOR HOT WATER TANKS TO BE VIBRA-SONIC CONTROL MODEL VS-100 FOR TANKS LARGER THAN 50 GALLONS. SMALL TANKS TO BE PROVIDED WITH STEEL STRAP SECURED TO STRUCTURE.
32.6. CONTRACTOR TO PROVIDE PROFESSIONAL CERTIFICATION FOR ALL ITEMS INSTALLED BY THIS DIVISION PRIOR TO REPORT FOR COMPLETION OR OCCUPANCY INSPECTION.

33. INSULATION

- 33.1. INSTALLATION SHALL CONFORM TO THE B.C.I.C.A. QUALITY STANDARDS MANUAL FOR MECHANICAL INSULATION.
33.2. PIPING INSULATION:
33.2.1.PROVIDE VAPOUR BARRIER FOR ALL COLD PIPES.
33.2.2.RAINWATER LEADERS TO BE INSULATED.
33.2.3.INSULATION TO BE PROVIDED FOR ALL DOMESTIC HOT AND COLD AND RE-CIRCULATION PIPING.
33.2.4.INSULATION IS TO BE PROVIDED FOR ALL HEATING WATER AND CHILLED WATER PIPING.
33.2.5.INSULATE ALL PLUMBING TRAPS IN NON-HEATED AREAS WITH REMOVABLE INSULATED CAP.
33.2.6.ALL EXPOSED PIPING TO BE COMPLETE WITH PF-5 PVC FINISH. NO FINISH REQUIRED ON CONCEALED PIPING.
33.2.7.PROVIDE INSULATION THICKNESS AND TYPE AS FOLLOWS: (WHERE APPLICABLE)
33.2.8.INSULATE ALL EXPOSED TRAPS UNDER HANDICAPPED SINKS WITH FACTORY MADE INSULATION KIT.
SERVICE SIZE THICKNESS TYPE
DOMESTIC HOT & COLD UP TO 1"Ø 1" MINERAL FIBRE
CONDENSATE DRAIN ALL 1/2" MINERAL FIBRE

- 33.3. DUCTWORK INSULATION:
33.3.1.PROVIDE EXTERNAL DUCTWORK INSULATION AS PER THE FOLLOWING: (WHERE APPLICABLE)
33.3.2.ALL EXPOSED DUCTWORK IN MECHANICAL ROOMS TO BE RIGID INSULATION WITH RF4 ECONOMY FINISH.

- 33.3.3.EXPOSED HEATING AND AIR CONDITIONING DUCTWORK INSTALLED IN A EXPOSED AREA IN WHICH IT IS SERVING, NEED NOT BE INSULATED.
33.3.4.EXTERNAL INSULATION IS NOT REQUIRED WHERE DUCTWORK IS INTERNALLY LINED.
33.3.5.PROVIDE EXTERNAL DUCTWORK INSULATION ON EXHAUST AND OUTDOOR AIR INTAKES FOR A MINIMUM OF 10'-0" FROM PENETRATION OF EXTERIOR WALL OR ROOF.
33.3.6.DUCTWORK EXPOSED TO THE WEATHER SHALL BE PROVIDED WITH WEATHER PROOF JACKETING (P.V.C. OR ALUMINUM).

Table with 3 columns: SERVICE, THICKNESS, TYPE. Rows include AIR CONDITIONED SUPPLY, HEATING SUPPLY AIR DUCT, UNDERGROUND DUCT, EXHAUST DUCT, and DUCTWORK IN NON-HEATED SPACES.

- 33.4. ACOUSTIC INSULATION:
33.4.1.PROVIDE 1" INTERNAL ACOUSTIC INSULATION UPSTREAM AND DOWNSTREAM A MINIMUM OF 10'-0" FROM ALL SUPPLY, RETURN AND EXHAUST FANS.
33.4.2.PROVIDE 1" INTERNAL ACOUSTIC INSULATION WHERE SHOWN HATCHED ON DRAWINGS, IN ADDITION TO THE REQUIREMENTS OF SENTENCE 1 ABOVE.
33.4.3.ALL INSULATION EDGES MUST BE SEALED. PROVIDE FASTENERS AT 12" O.C. WITH PINS CUT AND CAPPED.
33.5. EXPOSED REFRIGERATION PIPING HAVE ALUMINUM EXTERIOR JACKETING

34. PLUMBING GENERAL

- 34.1. TO COMPLY WITH BC BUILDING CODE 2006 AND LOCAL MUNICIPALITY REQUIREMENTS.
34.2. FIRE STOP ALL PENETRATIONS THROUGH RATED SEPARATIONS. PROVIDE NECESSARY THERMAL INSULATION AND VAPOUR BARRIER AT PENETRATIONS. CONTRACTOR TO PROVIDE PROFESSIONAL CERTIFICATION FROM SPECIALIST FIRE-STOPPING TRADE PRIOR TO REPORT FOR COMPLETION OR OCCUPANCY INSPECTION.
34.3. SUPPLY AND INSTALL CLEANOUTS ON ALL DRAINS, CHANGES IN DIRECTION, AT BASE OF RISER AND ON MAIN SANITARY AND STORM LEAVING BUILDING AND WHERE ADDITIONALLY REQUIRED BY THE BC BUILDING CODE.
34.4. WHERE DRAINS ARE LOCATED OVER AN OCCUPIED AREA, MEMBRANE CLAMP IS TO BE PROVIDED WITH DRAIN FOR A WATERPROOF INSTALLATION.
34.5. PRIOR TO COMMENCING THE UNDERGROUND PLUMBING INSTALLATION EXCAVATE AND VERIFY:
34.5.1.THE LOCATION, ELEVATION AND SIZE OF STORM AND SANITARY SERVICE CONNECTIONS.
34.5.2.THE SANITARY AND STORM LINES CAN BE ROUTED AND SUFFICIENTLY SLOPED WITH ADEQUATE COVER FOR FREEZING PROTECTION TO MEET THE SERVICE CONNECTIONS.
34.5.3.INFORM THE ENGINEER IMMEDIATELY IF ANY CHANGES ARE REQUIRED.
34.6. ALL FLOOR DRAINS SHALL HAVE TRAP PRIMER CONNECTION.
34.7. EXPOSED WATER DISTRIBUTION PIPE TO BE 3/4" MINIMUM.
34.8. LEAD-FREE SOLDER TO BE USED FOR ALL POTABLE WATER SYSTEMS. CONTRACTOR TO ISSUE A LETTER OF GUARANTEE AND INCLUDE IN THE MAINTENANCE MANUALS.
34.9. PROVIDE UNIONS TO ALL EQUIPMENT AND VALVE CONNECTIONS FOR 2-1/2" AND BELOW. FLANGED CONNECTIONS FOR 3" AND OVER.
34.10. PROVIDE NECESSARY THRUST BLOCKS, ANCHOR, ETC. TO UNDERGROUND WATER PIPING AT ALL CHANGES OF DIRECTION, ALL TEES AND AT THE END OF ALL MAINS AND BRANCHES.
34.11. PROVIDE STAINLESS STEEL BELLOWS TYPE WATER HAMMER ARRESTORS ON WATER LINES CONNECTED TO CLOTHES WASHER AND DISH WASHER AND AT TOP OF RISERS. PROVIDE ACCESSIBLE ISOLATION VALVE AND ACCESS TO ARRESTORS FOR SERVICING.
34.12. PROVIDE CHROME ESCUTCHEON PLATE FOR ALL PLUMBING ROUGH-IN.
34.13. PROVIDE LEAD SHEET FLASHING AND SHEET METAL COUNTER FLASHING FOR PIPE PASSING THROUGH ROOF DECK STRUCTURE.
34.14. PROVIDE NON-CONDUCTING TYPE CONNECTION FOR JOINING OR SUPPORTING. PROVIDE SEPARATION BETWEEN DISSIMILAR METALS.
34.15. PROVIDE STOP VALVE TO ALL EQUIPMENT AND PLUMBING FIXTURE CONNECTION. PROVIDE STOP VALVE TO BASE OF WATER RISERS. PROVIDE ISOLATION VALVES FOR ALL FIXTURE TRIM UNLESS COMPLETE WITH INTEGRAL STOPS.

35. CLEANING & CHEMICAL TREATMENT

- 35.1. PROVIDE FOR CLEANING AND DISINFECTION OF ALL DOMESTIC HOT & COLD WATER SYSTEMS.
35.2. DURING SYSTEM FLUSHING ENSURE THAT ALL CONTROL VALVES AND OTHER SYSTEM VALVES ARE IN THE FULL OPEN POSITION.
35.3. ALL DOMESTIC WATER PIPING SHALL BE THOROUGHLY FLUSHED SO THAT IT IS FREE FROM ALL SCALE, SEDIMENT ETC.

36. FIRE PROTECTION (PERFORMANCE SPEC)

- 36.1. ADJUST EXISTING SPRINKLER PIPING AND HEADS FOR NEW LAYOUT AS REQUIRED TO NFPA NO. 13 AND LOCAL MUNICIPAL BY-LAWS AND REQUIREMENTS. IN ADDITION, TO COMPLY WITH OWNER'S INSURANCE AUTHORITY REQUIREMENTS. ALL MATERIAL SHALL BE LISTED BY ULC OR APPROVED FOR SPRINKLER/STANDPIPE USE. PIPE SIZING BY HYDRAULIC CALCULATIONS.
36.2. PROVIDE PDF SHOP DRAWINGS TO THE ENGINEER AND CERTIFIED PROFESSIONAL FOR CHECKING PRIOR TO WORK COMMENCEMENT. CONTRACTOR TO OBTAIN APPROVAL FROM AUTHORITY HAVING JURISDICTION AND PAY FOR ALL NECESSARY PERMITS.
36.3. SPRINKLER HEAD LOCATION SHALL SUBJECT TO APPROVAL BY THE ARCHITECT. FOLLOW HEAD LOCATION SHOWN ON REFLECTED CEILING PLAN. PROVIDE HEADS UNDER OBSTRUCTIONS TO MEET CODE.
36.4. CONTRACTOR TO PERFORM TESTING IN PRESENCE OF THE CONSULTANT AND SUBMIT NFPA TESTING CONTRACTOR'S CERTIFICATE.
36.5. PROVIDE SPARE SPRINKLER HEADS FOR SYSTEM (LESS THAN 300 HEADS, PROVIDE 6 AND UP TO 1000 HEADS PROVIDE 12), AND TURN OVER TO OWNER AT THE END OF CONSTRUCTION.
36.6. REFER TO DRAWING M3.0 FOR PROPOSED DESIGN INFORMATION.
36.7. PROVIDE PORTABLE FIRE EXTINGUISHERS 10LB ABC TYPE WITH LOCKABLE GLASS FRONT CABINET PER B.C. FIRE CODE REQUIREMENTS.
36.8. SUPPLY & INSTALL FOLLOWING FOR DIV.16 FIRE ALARM/TROUBLE SUPERVISION.
36.8.1. VALVE MOVEMENT SUPERVISORY SWITCH.
36.8.2. LOW WATER PRESSURE SWITCH.
LOW AIR PRESSURE SWITCH FOR DRY SYSTEM.
36.8. FIRE EXTINGUISHERS:
36.8.1. PROVIDE INSTALL AND IDENTIFY FIRE EXTINGUISHERS AND CABINETS IN ACCORDANCE WITH NFPA 10 AND BCBC 2012.
36.8.2. PROVIDE SHOP DRAWINGS FOR REVIEW AND INCLUSION IN MAINTENANCE MANUALS.
36.8.3. CONTRACTOR TO PROVIDE SEALED FIRE PROTECTION DRAWINGS TO THE CONSULTANT.

37. SHEET METAL DUCTWORK

- 37.1. DUCTWORK SHALL BE GALVANIZED STEEL, LOCK FORMED 2" W.G. SMACNA STANDARD FOR LOW VELOCITY AND MEDIUM VELOCITY DUCTWORK QUALITY. FABRICATED IN ACCORDANCE WITH SMACNA DUCT MANUALS AND ASHRAE HANDBOOKS. DUCTWORK SHALL MEET THE REQUIREMENTS OF NFPA 90A AND 91 AND CONFORM TO APPLICABLE CODES.
37.2. PRIOR TO FABRICATION OF DUCTWORK, CHECK ALL CEILING SPACES AND HEIGHTS AND CONFLICT WITH OTHER TRADES. INCLUDE AND PROVIDE NECESSARY OFFSET TO MAINTAIN CEILING HEIGHT, HEADROOM ETC.
37.3. PROVIDE MINIMUM 300MM X 300MM (12"x 12") ACCESS PANELS TO MANUAL DAMPERS, EQUIPMENT, FIRE DAMPERS.
37.4. ALL DUCTWORK SHALL BE DELIVERED TO SITE IN A CLEAN CONDITION AND REMAIN CLEAN. DURING INSTALLATION ALL OPEN ENDS OF DUCTWORK SHALL BE CAPPED AND KEPT CLEAN.
37.5. PROVIDE FLEXIBLE DUCT CONNECTIONS FROM CONCEALED DUCT BRANCHES TO SUPPLY AIR DIFFUSERS (NOT PERMITTED ON EXPOSED DUCTING). FLEX SHALL BE A MAXIMUM OF 1500MM LONG, SHALL BE SELF SUPPORTED TO PREVENT SAGGING AND SHALL NOT HAVE KINKED BENDS. FLEX SHALL ONLY BE CONNECTED DIRECTLY TO DIFFUSER PLENUMS OR FABRICATED SHEET METAL AIR CUSHIONS. IT SHALL NOT CONNECT DIRECTLY TO THE COLLAR OF DIFFUSERS. FLEX SHALL BE THERMALLY INSULATED IF SUPPLY DUCTWORK IS INSULATED.
37.6. ALL DUCTS ASSOCIATED WITH FANS, AND OTHER VIBRATION ISOLATED EQUIPMENT SHALL BE INSTALLED WITH FLEXIBLE CANVAS CONNECTIONS ON THE INLET AND OUTLET OPENINGS.
37.7. ALL DUCTWORK PENETRATING FLOOR SLABS ABOVE AND BELOW OR FIRE SEPARATIONS SHALL BE COMPLETE WITH FIRE DAMPERS. REFER TO THE ARCHITECTURAL DRAWINGS FOR FIRE RATINGS AND FIRE SEPARATION LOCATIONS.

- 37.8. PROVIDE RETURN AIR OPENINGS AND/OR SOUND TRAPS WHERE INDICATED COMPLETE WITH 1" ACOUSTIC LINING.
37.9. PROVIDE BALANCING DAMPERS WHERE INDICATED ON DRAWINGS AND AT ALL DUCT BRANCHES. IF ADDITIONAL DAMPERS ARE REQUIRED AT THE REQUEST OF THE BALANCING AGENT, TO FACILITATE PROPER BALANCING, THESE ARE TO BE PROVIDED AT NO ADDITIONAL COST.
37.10. PAINT ALL VISIBLE DUCTWORK THROUGH SUPPLY, RETURN OR EXHAUST GRILLES MATT BLACK. COORDINATE ON SITE WITH GENERAL CONTRACTOR.
37.11. SIZE ROUND DUCTS, INSTALLED IN PLACE OF RECTANGULAR DUCTS, FROM ASHRAE TABLE OF EQUIVALENT RECTANGULAR AND ROUND DUCTS. NO VARIATION OF DUCT CONFIGURATION OR SIZES PERMITTED EXCEPT BY PERMISSION FROM CONSULTANT.
37.12. PROVIDE SEISMIC SUPPORTS FOR GRILLES AND DIFFUSERS.
37.13. PROVIDE TURNING VANES FOR ALL RECTANGULAR ELBOWS INSTALLED AS PER SMACNA.
37.14. ROOF MOUNTED DUCTS SHALL HAVE STANDING SEAMS AND SEALED WATER-TIGHT.
37.15. PROVIDE BACK DRAFT DAMPER TO ALL EXHAUST OUTLETS AT EXTERIOR.
37.16. PROVIDE GALVANIZED STEEL SCREEN, 1/2" X 1/2" SQUARE MESH FOR EXTERIOR INTAKE & EXHAUST OUTLETS.
37.17. PROVIDE FLASHING, CURB AND COUNTER FLASHING FOR ALL DUCTING PASSING THROUGH ROOF AND EXTERNAL ENVELOPE OF THE BUILDING.

38. CONTROLS - GENERAL

- 38.1. EXISTING THERMOSTATS SHALL BE RELOCATED AND RECALIBRATED TO SUIT NEW LAYOUT
38.2. INSTALL COMPLETE NEW CONTROLS FOR SPLIT SYSTEMS.
38.3. DIVISION 16 TO PROVIDE WIRING TO 120V/1 PHASE AND 208V/3/60 MOTORS AND THE WIRING BETWEEN THE AC UNIT AND ITS CONTROL DEVICE SUCH AS THERMOSTAT IS BY DIVISION 15.
38.4. CONTROLS SEQUENCE TO MATCH EXISTING.
38.5. ALL DIVISION 15 WIRING AND CONDUIT REQUIREMENTS TO FOLLOW DIVISION 16 SPECIFICATIONS FOR THIS PROJECT. THIS SHALL INCLUDE LOW-VOLTAGE WIRING, MOUNT OF CONTROL DEVICES.

- END -

Copyright Reserved
This plan and design are the exclusive property of Thinkspace Architecture Planning Interior Design (hereinafter referred to as "Thinkspace"). This office shall be informed of any variations from the information shown on this drawing. Do not start drawing.

Table with 3 columns: Issue Date, Issue For, Description. Includes dates 2018-11-02, 2018-11-09, 2018-11-15 and descriptions like ISSUED FOR 95% REVIEW, ISSUED FOR BP, ISSUED FOR BID.

ROCKY POINT ENGINEERING LTD.
VANCOUVER • LANGLEY • VICTORIA • NANAIMO • KELOWNA • KAMLOOPS • NELSON
OKANAGAN OFFICE: 201-4420 ST PAUL STREET, KELOWNA, BC V1Y 2E6
TEL: (250) 763-3799

thinkspace
architecture planning interior design
206-1470 St. Paul Street | Kelowna, BC | V1Y 2E6
(250) 762 2503 f (250) 861 5047 www.thinkspace.ca

Project: FIRST NATION HEALTH AUTHORITY OFFICE TI RENOVATION, PRINCE GEORGE
177 VICTORIA STREET, PRINCE GEORGE, BC
Drawing:
Project Number: 18263
Sheet Number: M6.1
MECHANICAL SPECIFICATIONS