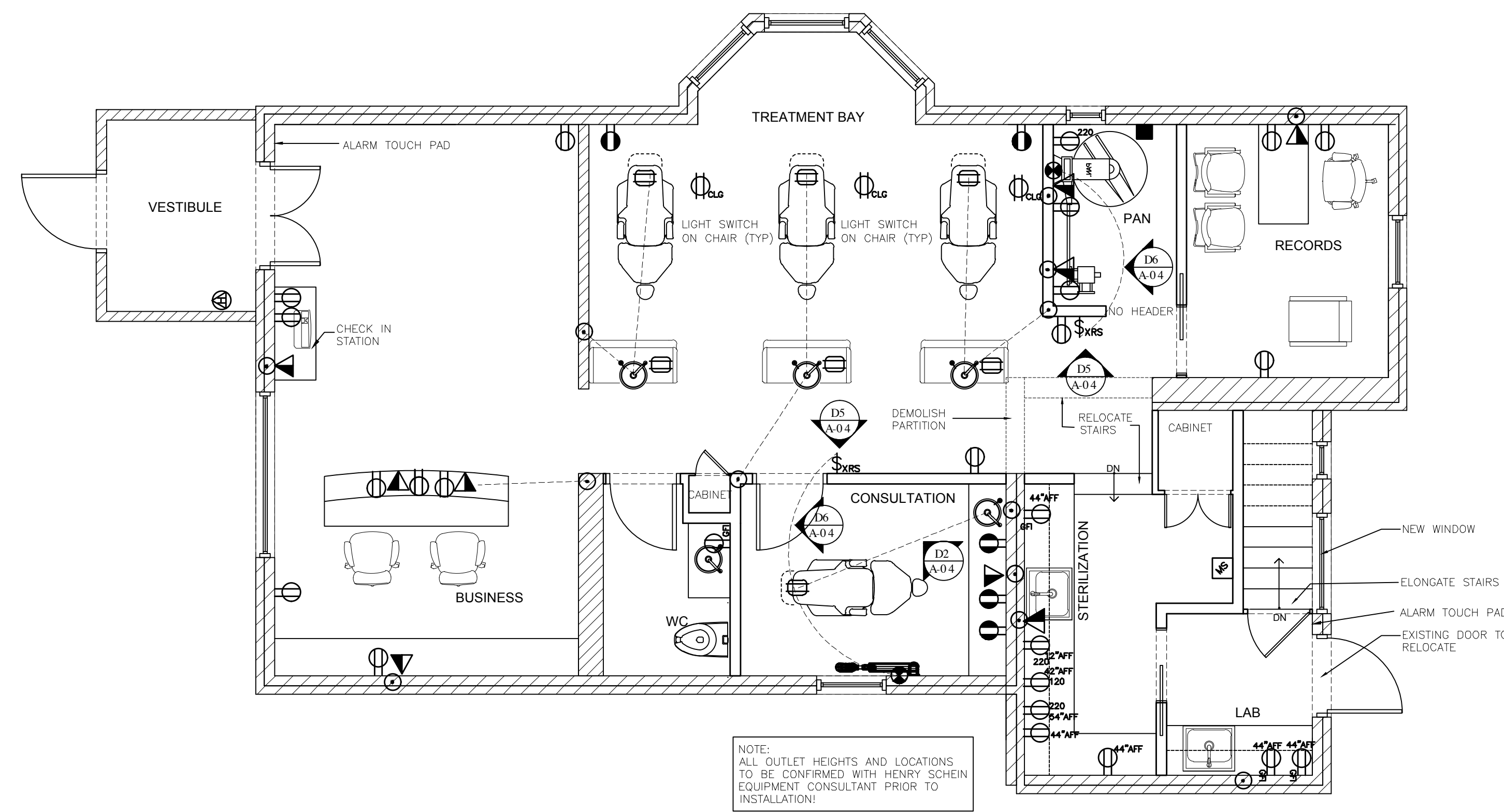


- NOTE:
1. CONFIRM THE FOLLOWING WITH THE SALES REP.:
- LOCATIONS AND HEIGHTS OF ALL ELECTRICAL OUTLETS AND NETWORK CABLE JACKS
 2. GENERAL CONTRACTOR TO OUTFIT ALL NON-DENTAL SPACE WITH ELECTRICAL TO CONFORM WITH LOCAL BY-LAWS AND ONTARIO BUILDING CODE
 3. PLEASE NOTE LEAD LINING WITHIN PARTITION WALLS. LEAD LINING REQUIRED AS PER THE MINISTRY OF HEALTH INSPECTION SERVICE. REFER TO APPROVED 'A-03 X-RAY RADIATION PLAN' TO FOLLOW.
 4. PLUMBER AND ELECTRICIAN TO BE ON-SITE DURING INSTALLATION OF ALL DENTAL EQUIPMENT FOR FINAL CONNECTIONS.
 5. ALL NETWORK CABLES TO BE CAT 6

SEE SALES REP FOR HEIGHT AND LOCATIONS OF ALL OUTLETS AND CONDUITS, AND LOCATION OF DATA SERVER, IMAGE SERVER AND HUB.



NOTE:
UTILITIES LOCATED IN BASEMENT:
AIR TECHNIQUES 30 COMPRESSOR
ATS DRY VAC 30.
SEE HENRY SCHEIN EQUIPMENT CONSULTANT FOR PLUMBING AND ELECTRICAL SPECIFICATIONS

NOTE:
ALL OUTLET HEIGHTS AND LOCATIONS TO BE CONFIRMED WITH HENRY SCHEIN EQUIPMENT CONSULTANT PRIOR TO INSTALLATION

- ELECTRICAL SPECIFICATIONS:**
1. ALL ELECTRICAL MUST CONFORM TO ONTARIO BUILDING CODES AND BASE BUILDING STANDARDS.
 2. PROVIDE WATERPROOFING / FIRE PROOF SEALANT FOR ALL SERVICES PENETRATING FLOOR.
 3. ALL WALL COVER PLATES ARE TO BE WHITE PLASTIC, UNLESS OTHERWISE AGREED UPON WITH CLIENT. WHERE TWO OR MORE OUTLETS OR SWITCHES OCCUR IN ONE LOCATION, A GANG SHALL BE USED.
 4. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE FINAL CONNECTION OF ALL DENTAL EQUIPMENT AT TIME OF INSTALLATION. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONNECTIONS WITH HENRY SCHEIN CANADA INC. INSTALLATION SUPERVISOR AND SALES REP.
 5. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PRE-INSPECT THE SITE TO DETERMINE THE AVAILABILITY AND ELECTRICAL SUPPLY REQUIRED TO COMPLETE THIS PROJECT.
 6. THE ELECTRICAL/GENERAL CONTRACTOR SHALL DETERMINE THE LOCATION AND INSTALL ALL EMERGENCY EXIT LIGHTS AND EMERGENCY LIGHT FIXTURES AS REQUIRED BY LOCAL CODES.
 7. THE ELECTRICAL CONTRACTOR IS TO COORDINATE WITH PLUMBER FOR ELECTRICAL SUPPLY TO HOT WATER HEATER AND COLD WATER ELECTRIC SOLENOID. PROVIDE 110V COLD WATER ELEC. SOLENOID SHUTOFF VALVE.
- PLEASE NOTE:
ALL DIMENSIONS ARE BASED ON ORIGINAL BLUEPRINT PROVIDED TO THE HENRY SCHEIN CANADA PLANNING & DESIGN DEPARTMENT. AS-BUILT DIMENSIONS MUST BE JOB SITE VERIFIED BY HENRY SCHEIN CANADA INC. EQUIPMENT INSTALLATION SUPERVISOR.

H.S.C.I. INSPECTION
PRIOR TO CLOSING WALLS THE GENERAL CONTRACTOR AND OR ELECTRICAL SUBCONTRACTOR IS REQUIRED TO COORDINATE WITH HENRY SCHEIN CANADA INC. INSTALLATION SUPERVISOR. WITH INSPECTION IS TO ENSURE THAT ALL ELECTRICAL REQUIREMENTS WILL MATCH WITH ANY CHANGES THAT MAY HAVE OCCURRED WITH THE DOCTOR'S EQUIPMENT ORDER. PLEASE CONTACT THE SALES REPRESENTATIVE FOR INSPECTIONS. HENRY SCHEIN CANADA INC. WILL NOT BE HELD RESPONSIBLE FOR FAILURE TO COMPLY WITH THIS INSPECTION.

FINALS REVIEWED BY:
FSC: _____
ESS: _____

- ELECTRICAL SCHEDULE:**
- DUPLEX RECEPTACLE, 115V, 15AMP STANDARD DUPLEX RECEPTACLE 12" AFF OR AS NOTED (APPROXIMATELY 6 PER CIRCUIT)
 - SINGLE CIRCUIT, DUPLEX RECEPTACLE SINGLE CIRCUIT 115V, 15AMP 12" AFF OR AS NOTED.
 - HOSPITAL GRADE GFCI GROUND FAULT DUPLEX RECEPTACLE, NEMA 5-15R, 2P, 3W, 125VAC, 15AMP 12" AFF OR AS NOTED. (APPROXIMATELY 6 PER CIRCUIT)
 - GROUND FAULT INSULATED DUPLEX RECEPTACLE, 115V, 15AMP 12" AFF OR AS NOTED.
 - CEILING MOUNTED DUPLEX RECEPTACLE FOR T.V. MONITORS, GANGED W/ KNOCK-OUT BOX FOR TV CABLE CEILING PLATE.
 - DUPLEX RECEPTACLE ABOVE FINISHED CEILING WITHIN 6" OF CEILING MOUNTED DENTAL LIGHT LOCATION. HOSPITAL GRADE GFCI GROUND FAULT, NEMA 5-15R, 2P, 3W, 125VAC, 15AMP.
 - FLOOR MOUNTED QUAD RECEPTACLE THROUGH FLOOR, FREE HANGING BY BX CABLE. HOSPITAL GRADE GFCI GROUND FAULT, NEMA 5-15R, 2P, 3W, 125VAC, 15AMP.
 - 115V, 20AMP SINGLE CIRCUIT, HARDWIRED TO DENTAL EQUIPMENT.
 - DUPLEX RECEPTACLE, 220V SINGLE CIRCUIT 12" AFF OR AS NOTED.
 - 220V, 20AMP 3 WIRE PLUS GROUND SINGLE CIRCUIT CONNECTED TO STEP UP TRANSFORMER 7500 VA, HARDWIRED TO DENTAL EQUIPMENT.
 - COMMUNICATIONS OUTLET, VOICE LINE SINGLE JACK 12" AFF OR AS NOTED.
 - COMMUNICATIONS OUTLET, CAT 6 DATA LINE SINGLE JACK 12" AFF OR AS NOTED.
 - COMMUNICATIONS OUTLET, VOICE AND CAT 6 DATA DOUBLE JACK 12" AFF OR AS NOTED.
 - INTRA ORAL CAMERA OUTLET, CONTRACTOR TO PROVIDE 3/4" CONDUIT FROM CEILING TO KNOCK-OUT BOX W/ COVER PLATE, 44" AFF OR AS NOTED (WIRE SUPPLIED BY OTHERS).
 - MASTER ON-OFF SWITCHES, 52" AFF, WITH RED INDICATOR LIGHTS TO DENTAL COMPRESSOR, DENTAL VACUUM AND MAIN WATER SOLENOID. COORDINATE WITH PLUMBER FOR LOCATION OF SOLENOID.
 - 2" CONDUIT
 - REMOTE EXPOSURE SWITCH FOR DENTAL X-RAY, 52" AFF. PROVIDE CONDUIT WITH 4 STRAND WIRE TO X-RAY CONTROL BOX. SEE X-RAY SPECIFICATIONS.
 - X-RAY CONTROL BOX, 52" AFF. OR AS NOTED. PROVIDE 115V POWER TO BE HARDWIRED TO X-RAY CONTROL BOX. SEE X-RAY SPECIFICATIONS.
 - DENTAL X-RAY. SEE X-RAY DETAILS AND SPECIFICATIONS (CONSULT TECHNICIAN).
 - 2" DIA. EMPTY CONDUIT WITH PULL WIRE IN WALL FROM 4" X 4" BOX UP 12 1/2" A.F.F. UP TO CEILING SPACE.
 - VERIFY LOCATION OF CPU WITH HENRY SCHEIN CANADA INC. SALES REP.
 - AUTOMATIC DOOR OPENER PUSH BUTTON
 - HEATER DIRECT CONNECTION SINGLE CIRCUIT
 - 84" TWO TONE CHIME, MOUNTED 84" A.F.F.
 - DOOR TRIPPER CONNECTED TO CHIME

The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.

QUALIFICATION INFORMATION

NAME: _____ SIGNATURE: _____ 39135 BCIN
REGISTRATION INFORMATION

COMPANY: _____ SIGNATURE: _____ 40027 BCIN

TITLE:
ELECTRICAL PLAN

PROJECT:
2011-008
DR. JINDAL

PROJECT NORTH

DRAWING NUMBER:
E-01
OF

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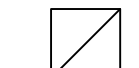
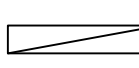
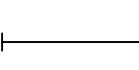
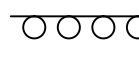




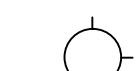

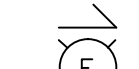




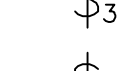



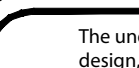
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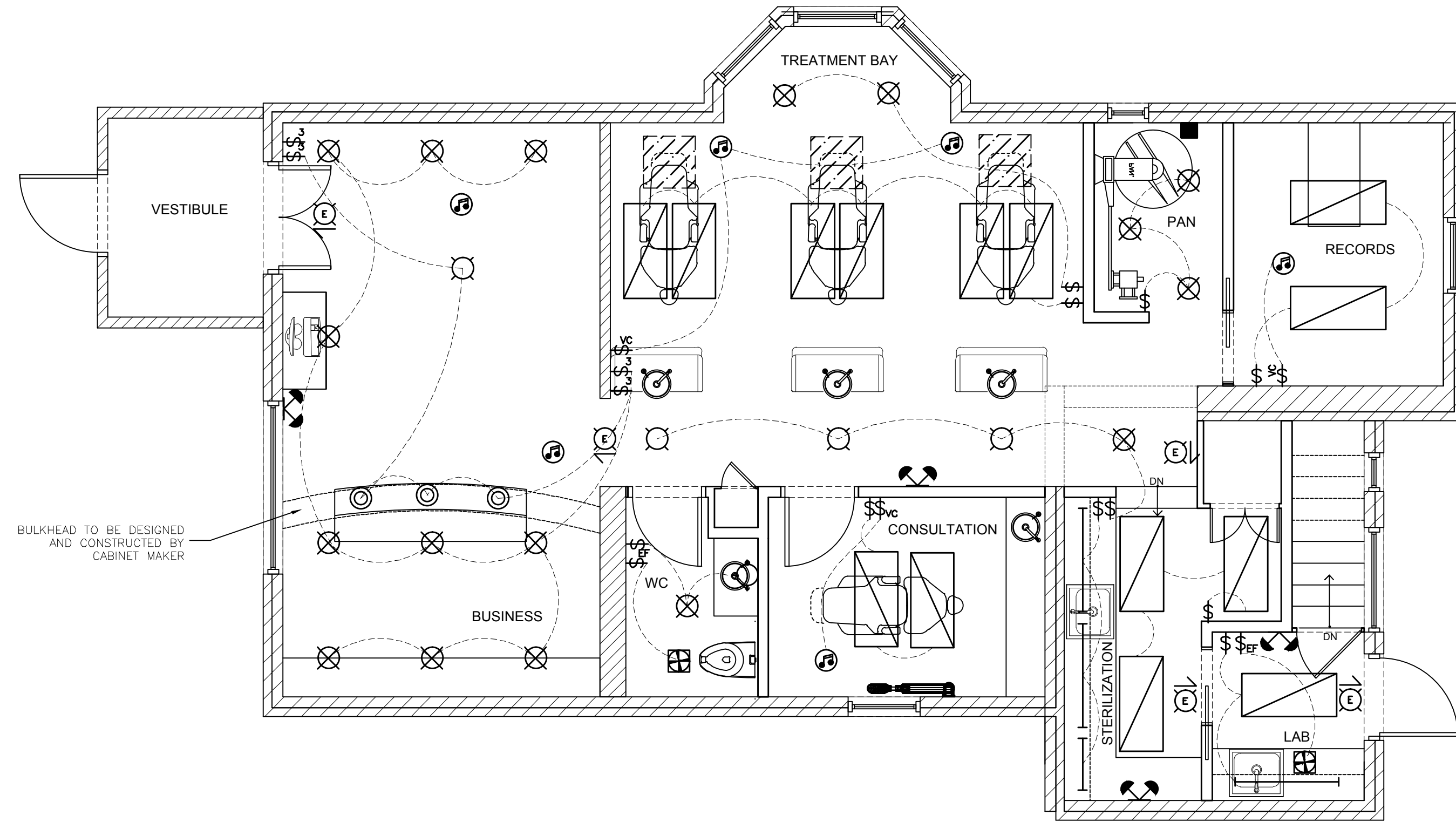
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LIGHTING SPECIFICATIONS:

1. ALL ELECTRICAL MUST CONFORM TO ONTARIO BUILDING CODES AND BASE BUILDING STANDARDS.
2. ALL WALL COVER PLATES ARE TO BE WHITE PLASTIC, OR AS AGREED UPON WITH CLIENT. WHERE TWO OR MORE OUTLETS OR SWITCHES OCCUR IN ONE LOCATION A GANG SHALL BE USED.
3. THE ELECTRICIAN TO COORDINATE WITH GENERAL CONTRACTOR FOR LOCATION OF EMERGENCY LIGHT FIXTURES AND EMERGENCY EXIT LIGHTS AS REQUIRED BY LOCAL CODES.

LIGHTING SCHEDULE:

-  LIGHT FIXTURES, 2'x4' RECESSED FLUORESCENT, 4 LAMP WITH DIFFUSER
-  LIGHT FIXTURES, 2'x2' RECESSED FLUORESCENT, 2 LAMP WITH PARABOLIC LENS
-  CORRIDOR LIGHT FIXTURES, 1'x4' RECESSED FLUORESCENT, 2 LAMP WITH DIFFUSER.
-  TASK LIGHT UNDER WALL HUNG UPPER CABINETS, SINGLE LAMP 48".
-  TRACK LIGHTS SURFACE MOUNTED, LAMPS AS NOTED.
-  STANDARD INCANDESCENT CEILING LIGHT FIXTURE.
-  4" RECESSED INCANDESCENT POT LIGHT C/W 100W REFLECTOR LAMP AND BLACK MULTI-GROOVE BAFFLE EQUAL TO HALO H9 HOUSING.
-  HALOGEN PENDANT LAMP OVER RECEPTION DESK
-  WALL SCONCE, VERIFY WITH CLIENT, OR AS NOTED.
-  WALL MOUNTED VANITY LIGHT, VERIFY WITH CLIENT, OR AS NOTED.
-  WALL OR CEILING MOUNTED EMERGENCY LIGHT FIXTURE C/W 2-BW BY QUARTZ HALOGEN SEALED BEAM LAMPS AND EMERGENCY BATTERY BACKUP AS REQUIRED BY LOCAL CODES.
-  CEILING MOUNTED EMERGENCY EXIT LIGHT W/ 3rd SOCKET WIRED TO EMERGENCY BACKUP CIRCUIT. ARROW DENOTES FACE DIRECTION.
-  RECESSED CEILING MOUNTED MUSIC SPEAKER.
-  CENTRAL MUSIC SOURCE, TERMINATE LOW VOLTAGE WIRES IN KNOCK OUT BOX WITH CABLE WALL COVER PLATE.
-  WALL MOUNTED VOLUME CONTROL @ 52" AFF OR AS NOTED.
-  SINGLE POLE LIGHT SWITCH @ 52" AFF OR AS NOTED.
-  THREE-WAY LIGHT SWITCH @ 52" AFF OR AS NOTED.
-  DIMMER SWITCH @ 52" AFF OR AS NOTED.
-  EXHAUST FAN SWITCH @ 52" AFF OR AS NOTED.
-  EXHAUST FAN CEILING MOUNTED.
-  CEILING SUPPORT FOR DENTAL EQUIPMENT AS NOTED.



BULKHEAD TO BE DESIGNED AND CONSTRUCTED BY CABINET MAKER

FINALS REVIEWED BY:

FSC: _____

ESS: _____

PLEASE NOTE:
ALL DIMENSIONS ARE BASED ON ORIGINAL BLUEPRINT PROVIDED TO THE HENRY SCHEIN CANADA PLANNING & DESIGN DEPARTMENT. AS-BUILT DIMENSIONS MUST BE JOB SITE VERIFIED BY HENRY SCHEIN CANADA INC. EQUIPMENT INSTALLATION SUPERVISOR.

H.S.C.I. INSPECTION
PRIOR TO CLOSING WALLS THE GENERAL CONTRACTOR AND OR ELECTRICAL SUBCONTRACTOR IS REQUIRED TO COORDINATE WITH HENRY SCHEIN CANADA INC. INSTALLATION TECHNICIAN. THIS INSPECTION IS TO ENSURE THAT ALL ELECTRICAL REQUIREMENTS WILL MATCH WITH ANY CHANGES THAT MAY HAVE OCCURRED WITH THE DOCTOR'S EQUIPMENT ORDER. PLEASE CONTACT THE SALES REPRESENTATIVE FOR INSPECTIONS. HENRY SCHEIN CANADA INC. WILL NOT BE HELD RESPONSIBLE FOR FAILURE TO COMPLY WITH THIS INSPECTION.


The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.

QUALIFICATION INFORMATION

COMPANY _____ SIGNATURE _____ BCIN _____

TITLE:
REFLECTED CEILING PLAN

PROJECT:
**2011-008
DR. JINDAL**

PROJECT NORTH  DRAWING NUMBER:
**E-02
OF**

©2011 by HENRY SCHEIN, INC.

HENRY SCHEIN 
221 JACOB KEFFER PARKWAY - CONCORD - ONTARIO - L4K 5T9
T: 905-832-9101 F: 905-417-8675

DRAWN BY:
SALES REP.:
EQUIP. SPEC.:
INSTALLER:

REVISION LOG:

REV. #	DATE	BY	REV. #	DATE	BY
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THE IDEAS EXPRESSED HEREIN ARE THE SOLE PROPERTY OF HENRY SCHEIN CANADA AND MAY NOT BE USED OR REPRODUCED WITHOUT EXPRESSED WRITTEN CONSENT AND FULL PAYMENT OF ANY ASSOCIATED DESIGN FEES. DO NOT SCALE DRAWINGS. ALL DIMENSIONS ARE SUBJECT TO JOB SITE VERIFICATION.

DWG. SCALE: 1/4" = 1'-0"
START DATE: APRIL 18, 2011
USABLE AREA: 1,020 S.F.
FILE: JINDAL-2011-008

- ALL PLUMBING FIXTURES TO BE WHITE AND FREE FOR BLEMISHES.
- ALL EXPOSED PIPING, VALVES, TRAPS, FITTINGS, ETC., SHALL BE HEAVILY CHROME PLATED BRASS.
- INCLUDE ALL LABOUR, EQUIPMENT, TOOLS AND OTHER INCIDENTALS NECESSARY AND REQUIRED FOR THE COMPLETE INSTALLATION. USE ONLY NEW MATERIALS AND EQUIPMENT.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF LOCAL CODES AND STANDARDS AND WITH THE APPROVAL OF THE AUTHORITIES HAVING JURISDICTION.
- CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES OBTAIN ALL REQUIRED PERMITS AND PAY FEES.
- CONTRACTOR SHALL INSPECT THE PROJECT PRIOR TO TENDER TO REALIZE THE SCOPE OF WORK INVOLVED AND TO FAMILIARIZE YOURSELF WITH THE SITE CONDITIONS. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN THIS REGARD.
- PLUMBER TO SUPPLY AND INSTALL ALL NECESSARY VALVES AND FITTINGS FOR ALL DENTAL EQUIPMENT SUPPLIED AND INSTALLED BY HENRY SCHEIN

SCHEDULE	
---	1 1/2" IPS, PVC, SCH. 40 VACUUM LINE, SLOPE 1" PER 20' TOWARD PUMP, USE 45° BENDS.
---	1/2" ID TYPE 'L' COPPER, COMPRESSED AIR LINE
⊙	VAC OUTLET
⊙	AIR OUTLET

- GENERAL CONTRACTOR TO LOCATE AND TIE IN ALL PLUMBING SERVICES.
- SALES REP. TO SPOT LOCATION OF SERVICES IN OPERATORIES.
- ALL HOT AND COLD WATER LINES TO BE INSULATED.
- PLUMBER AND ELECTRICIAN TO BE ON-SITE DURING INSTALLATION OF ALL DENTAL EQUIPMENT FOR FINAL CONNECTIONS.

GENERAL CONTRACTOR TO LOCATE AND TIE IN ALL PLUMBING SERVICES.

PROVIDE VENT LINES AS PER LOCAL CODES
PROVIDE CLEAN OUTS ON VACUUM LINES AND SANITARY DRAIN LINES

PLUMBING SPECIFICATIONS:

- ALL PLUMBING MUST CONFORM TO THE ONTARIO BUILDING CODE AND BASE BUILDING STANDARDS.
- ALL SERVICES PENETRATING THE FLOORS MUST BE SEALED TO ENSURE WATER PROOFING AND A 1 HOUR FIRE-RATING.
- THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR THE FINAL CONNECTION OF ALL DENTAL EQUIPMENT AT TIME OF INSTALLATION. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL CONNECTIONS WITH HENRY SCHEIN CANADA INC. INSTALLATION SUPERVISOR AND SALES REP.
- THE PLUMBING CONTRACTOR TO PROVIDE 1/2" HOT & COLD WATER SUPPLY AND 1 1/2" TRAPPED AND VENTED DRAIN TO ALL DOMESTIC SINKS.
- ALL 1/2" AIR, 1/2" WATER OTHER THAN SINK CONNECTION MUST BE FINISHED WITH MANUAL SHUTOFF VALVES RA 19 3/8" COMPRESSION FITTINGS.
- THE PLUMBING CONTRACTOR MUST SUPPLY AND INSTALL BACK FLOW PREVENTION VALVES AND/OR R.P. VALVES AS PER PLUMBING CODES AND REGULATIONS FOR DENTAL EQUIPMENT. VALVES MUST BE ACCESSIBLE FOR ROUTINE MAINTENANCE.

PLEASE NOTE:
ALL DIMENSIONS ARE BASED ON ORIGINAL BLUEPRINT PROVIDED TO THE HENRY SCHEIN CANADA PLANNING & DESIGN DEPARTMENT. AS-BUILT DIMENSIONS MUST BE JOB SITE VERIFIED BY HENRY SCHEIN CANADA INC. EQUIPMENT INSTALLATION SUPERVISOR.

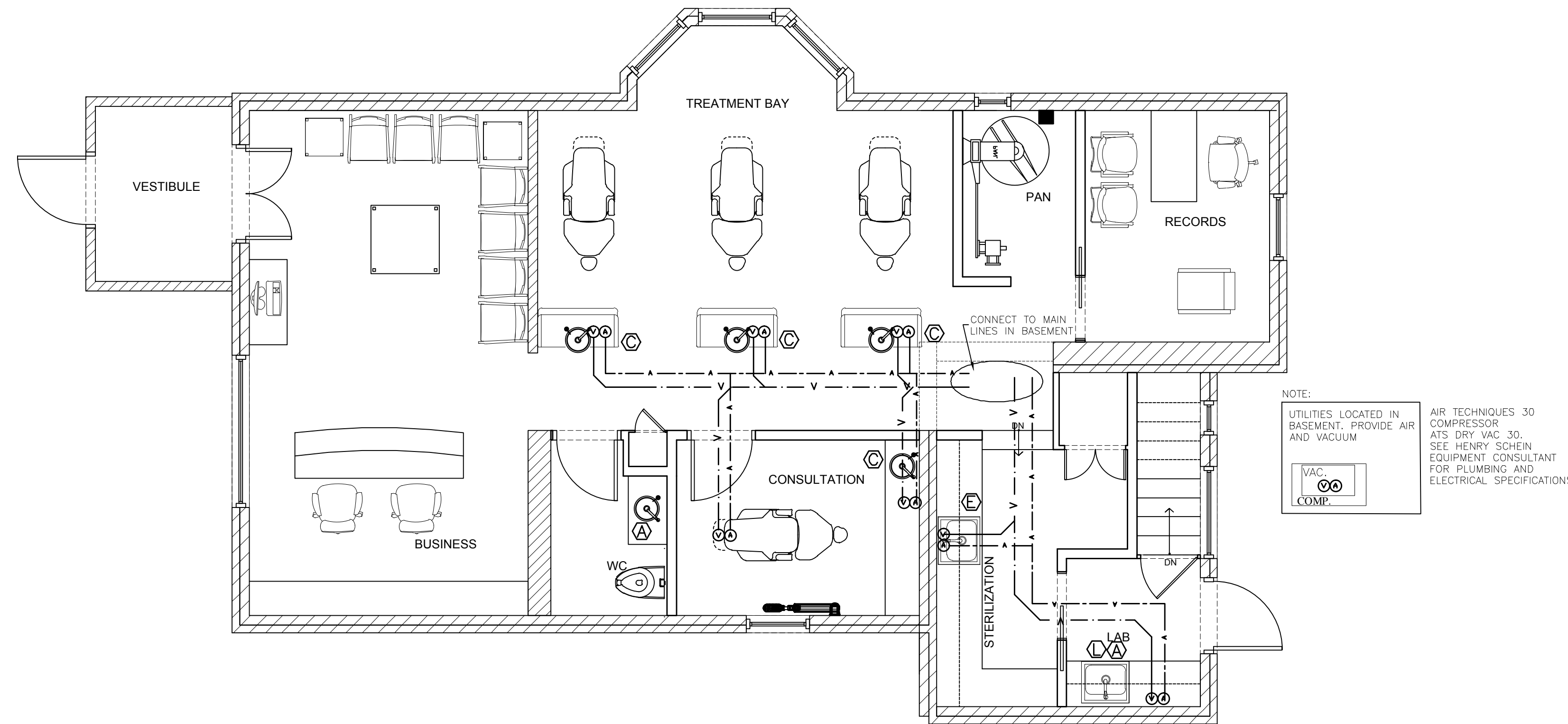
H.S.C.I. INSPECTION
PRIOR TO CLOSING FLOORS OR COMPLETING THE PLUMBING, THE GENERAL CONTRACTOR AND/OR PLUMBING SUBCONTRACTOR IS REQUIRED TO COORDINATE WITH HENRY SCHEIN CANADA INC. INSTALLATION SUPERVISOR AND SALES REPRESENTATIVE FOR INSPECTION. ALL PLUMBING REQUIREMENTS WILL MATCH WITH ANY CHANGES THAT MAY HAVE OCCURRED WITH THE DOCTOR'S EQUIPMENT ORDER. PLEASE CONTACT THE SALES REPRESENTATIVE FOR INSPECTION. HENRY SCHEIN CANADA INC. WILL NOT BE HELD RESPONSIBLE FOR FAILURE TO COMPLY WITH THIS INSPECTION.

PLUMBING SCHEDULE:

- A 1/2" HOT AND 3/4" COLD WATER WITH 1 1/2" TRAPPED AND VENTED WASTE LINE TO SINK.
- B 1/2" HOT AND 3/4" COLD WATER, SECONDARY 1/2" COLD WATER, 1/2" AIR WITH 1 1/2" TRAPPED AND VENTED WASTE LINE TO SINK. PLUMBER TO INSTALL BACK FLOW PREVENTION VALVES BEFORE MANUAL SHUT OFF VALVE IF DENTAL UNIT IS NOT OUTFITTED WITH SELF CONTAINED CLEAN WATER SYSTEM.
- C 1/2" HOT AND 3/4" COLD WATER, SECONDARY 1/2" COLD WATER, 1/2" AIR, 1 1/2" VACUUM LINE TERMINATE WITH 1/2" AND 1 1/2" TRAPPED AND VENTED WASTE LINE. PLUMBER TO INSTALL BACK FLOW PREVENTION VALVES BEFORE MANUAL SHUT OFF IF DENTAL UNIT IS NOT OUTFITTED WITH SELF CONTAINED CLEAN WATER SYSTEM.
- D 3/4" COLD WATER, 1/2" AIR, 1 1/2" VACUUM LINE TERMINATE WITH 1/2" AND 1 1/4" WET VENTED WASTE RISERS, ALL UTILITIES THROUGH FLOOR TO MOUNTED DENTAL UTILITY CENTER. PLUMBER TO INSTALL BACK FLOW PREVENTION VALVES BEFORE MANUAL SHUT OFF IF DENTAL UNIT IS NOT OUTFITTED WITH SELF CONTAINED CLEAN WATER SYSTEM.
- E 1/2" HOT AND 3/4" COLD WATER, SECONDARY 1/2" COLD WATER, 1/2" AIR, 1 1/2" VACUUM LINE TERMINATE WITH 1/2" AND 1 1/2" TRAPPED AND VENTED WASTE.
- F 3/4" COLD WATER, 1/2" AIR AND 1 1/2" VACUUM LINE TERMINATE WITH 1/2" RISERS TO CABINET UTILITY SECTION AT FLOOR LEVEL. PLUMBER TO INSTALL BACK FLOW PREVENTION VALVES BEFORE MANUAL SHUT OFF VALVE IF DENTAL UNIT IS NOT OUTFITTED WITH SELF CONTAINED CLEAN WATER SYSTEM.
- G 3/4" COLD WATER TO 1/2" GARDEN HOSE VALVE UP 16" AND 1 1/2" NON-CORROSIVE OPEN CUP TYPE DRAIN UP 20". NOTE: FOR SILVER RECOVERY AND DILUTION TANK DRAIN TO BE 12" A.F.F.
- H 3/4" MAIN INCOMING COLD WATER WITH BACK FLOW PREVENTION VALVE PRESSURE VACUUM BREAKER TO 3/4" SHUTOFF ELECTRIC SOLENOID AND WATER FILTER AVAILABLE FROM HENRY SCHEIN CANADA INC. TO BE INSTALLED BY PLUMBER. LOCATION TO BE DETERMINED BY PLUMBER ON SITE.
- I 1/2" SECONDARY COLD WATER AND VENTED WASTE
- J DENTAL VACUUM PUMP (SUPPLIED) TERMINATE VACUUM LINE. PROVIDE 3/4" COLD WATER TO 1/2" BRASS GATE VALVE. EXHAUST TO 2" TRAPPED AND VENTED DRAIN.
- K DENTAL COMPRESSOR (SUPPLIED) TERMINATE 1/2" COPPER AIR LINE AT COMPRESSOR.
- L PLASTER TRAP TO BE INSTALLED BY PLUMBER, AVAILABLE FROM HENRY SCHEIN CANADA INC.
- M AMALGAM SEPARATOR

NOTES

- USE MANUFACTURERS' SPECS AND TEMPLATES FOR ALL EQUIPMENT
- SALES REP. TO SUPERVISE JOB
- SALES REP. TO CONFIRM AND SPOT LOCATION OF SERVICES IN DR.'S
- ALL HOT AND COLD WATER LINES TO BE INSULATED
- PLUMBER TO BE ON SITE DURING INSTALLATION OF DENTAL EQUIPMENT FOR FINAL CONNECTIONS



FINALS REVIEWED BY:

FSC: _____

ESS: _____

The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.

QUALIFICATION INFORMATION

TITLE: **PLUMBING PLAN
AIR & VACUUM LINES**

PROJECT: **2011-008
DR. JINDAL**

PROJECT NORTH

DRAWING NUMBER: **M-01
OF**

REV. #	DATE	BY	REV. #	DATE	BY
1			6		
2			7		
3			8		
4			9		
5			10		

1. GENERAL CONTRACTOR TO LOCATE AND TIE IN ALL PLUMBING SERVICES.
2. SALES REP. TO SPOT LOCATION OF SERVICES IN OPERATORIES.
3. ALL HOT AND COLD WATER LINES TO BE INSULATED.
4. PLUMBER AND ELECTRICIAN TO BE ON-SITE DURING INSTALLATION OF ALL DENTAL EQUIPMENT FOR FINAL CONNECTIONS.

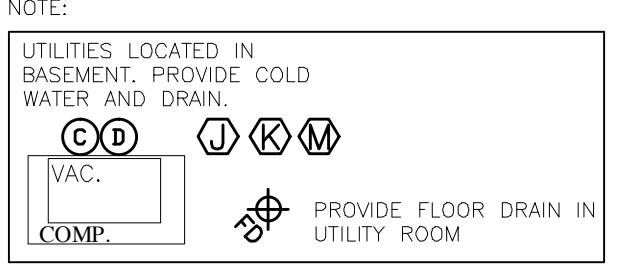
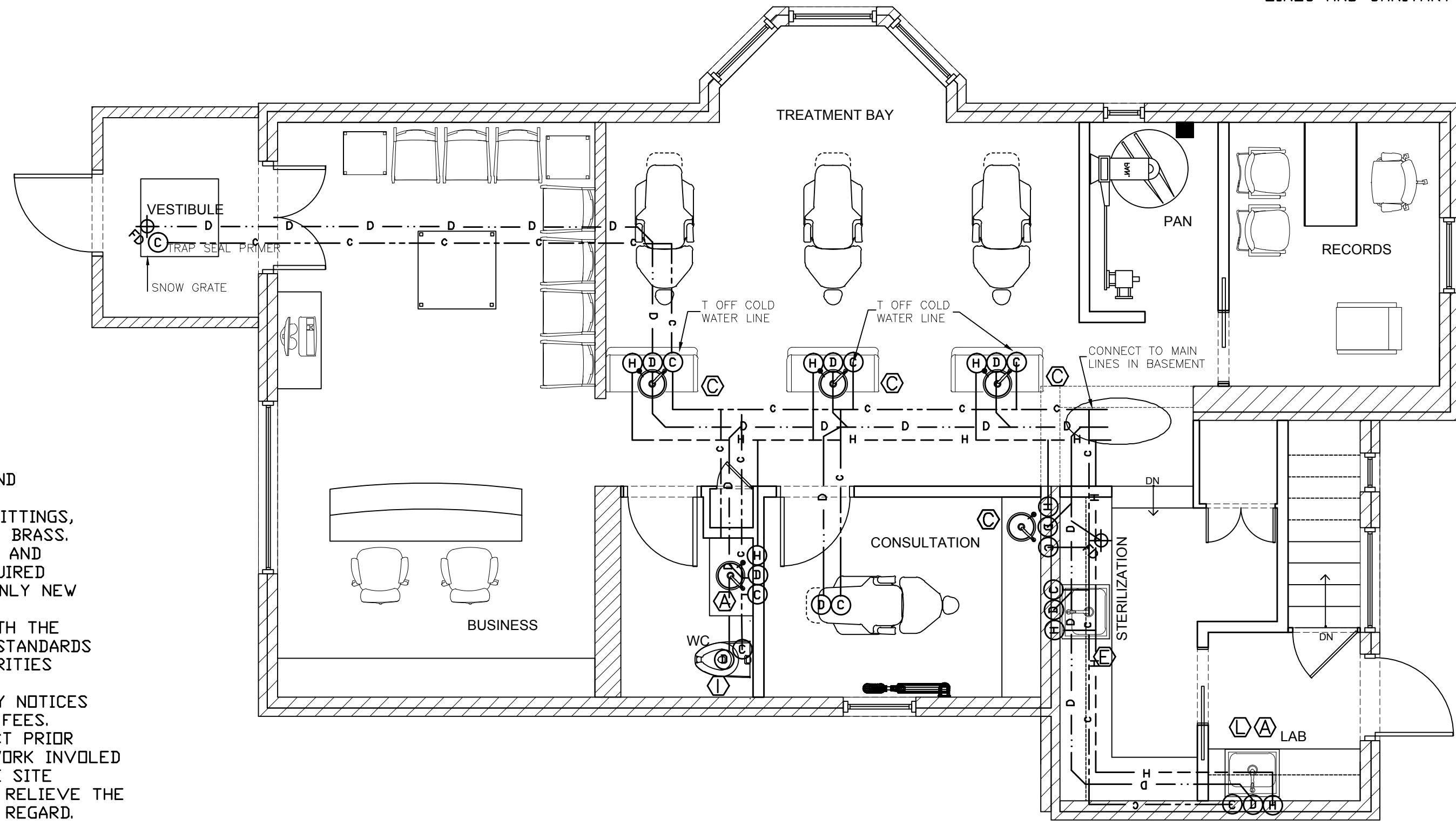
GENERAL CONTRACTOR TO LOCATE AND TIE IN ALL PLUMBING SERVICES.

NOTES

- USE MANUFACTURERS' SPECS AND TEMPLATES FOR ALL EQUIPMENT
- SALES REP. TO SUPERVISE JOB
- SALES REP. TO CONFIRM AND SPOT LOCATION OF SERVICES IN DR.'S
- ALL HOT AND COLD WATER LINES TO BE INSULATED
- PLUMBER TO BE ON SITE DURING INSTALLATION OF DENTAL EQUIPMENT FOR FINAL CONNECTIONS
1. ALL PLUMBING FIXTURES TO BE WHITE AND FREE FOR BLEMISHES.
 2. ALL EXPOSED PIPING, VALVES, TRAPS, FITTINGS, ETC., SHALL BE HEAVILY CHROME PLATED BRASS.
 3. INCLUDE ALL LABOUR, EQUIPMENT, TOOLS AND OTHER INCIDENTALS NECESSARY AND REQUIRED FOR THE COMPLETE INSTALLATION. USE ONLY NEW MATERIALS AND EQUIPMENT.
 4. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF LOCAL CODES AND STANDARDS AND WITH THE APPROVAL OF THE AUTHORITIES HAVING JURISDICTION.
 5. CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES OBTAIN ALL REQUIRED PERMITS AND PAY FEES.
 6. CONTRACTOR SHALL INSPECT THE PROJECT PRIOR TO TENDER TO REALIZE THE SCOPE OF WORK INVOLVED AND TO FAMILIARIZE YOURSELF WITH THE SITE CONDITIONS. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY IN THIS REGARD.
 7. PLUMBER TO SUPPLY AND INSTALL ALL NECESSARY VALVES AND FITTINGS FOR ALL DENTAL EQUIPMENT SUPPLIED AND INSTALLED BY HENRY SCHEIN

SCHEDULE	
--- c ---	3/4" ID TYPE 'L' COPPER, COLD WATER LINE
--- H ---	1/2" ID TYPE 'L' COPPER, HOT WATER LINE
--- D ---	SANITARY DRAIN LINE
ⓓ	SANITARY DRAIN
ⓐ	COLD WATER
ⓗ	HOT WATER
Ⓜ	FLOOR DRAIN

PROVIDE VENT LINES AS PER LOCAL CODES
PROVIDE CLEAN OUTS ON VACUUM LINES AND SANITARY DRAIN LINES



- PLUMBING SPECIFICATIONS:**
1. ALL PLUMBING MUST CONFORM TO THE ONTARIO BUILDING CODE AND BASE BUILDING STANDARDS.
 2. ALL SERVICES PENETRATING THE FLOORS MUST BE SEALED TO ENSURE WATER PROOFING AND A 1 HOUR FIRE-RATING.
 3. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR THE FINAL CONNECTION OF ALL DENTAL EQUIPMENT AT TIME OF INSTALLATION. THE PLUMBING CONTRACTOR SHALL COORDINATE ALL CONNECTIONS WITH HENRY SCHEIN CANADA INC. INSTALLATION SUPERVISOR AND SALES REP.
 4. THE PLUMBING CONTRACTOR TO PROVIDE 1/2" HOT & COLD WATER SUPPLY AND 1 1/2" TRAPPED AND VENTED DRAIN TO ALL DOMESTIC SINKS.
 5. ALL 1/2" AIR, 1/2" WATER OTHER THAN SINK CONNECTION MUST BE FINISHED WITH MANUAL SHUTOFF VALVES RA 19 3/8" COMPRESSION FITTINGS.
 6. THE PLUMBING CONTRACTOR MUST SUPPLY AND INSTALL BACK FLOW PREVENTION VALVES AND/OR R.P. VALVES AS PER PLUMBING CODES AND REGULATIONS FOR DENTAL EQUIPMENT. VALVES MUST BE ACCESSIBLE FOR ROUTINE MAINTENANCE.
- PLEASE NOTE:
ALL DIMENSIONS ARE BASED ON ORIGINAL BLUEPRINT PROVIDED TO THE HENRY SCHEIN CANADA PLANNING & DESIGN DEPARTMENT. AS-BUILT DIMENSIONS MUST BE JOB SITE VERIFIED BY HENRY SCHEIN CANADA INC. EQUIPMENT INSTALLATION SUPERVISOR.

H.S.C.I. INSPECTION

PRIOR TO CLOSING FLOORS OR COMPLETING THE PLUMBING, THE GENERAL CONTRACTOR AND/OR PLUMBING SUBCONTRACTOR IS REQUIRED TO COORDINATE WITH HENRY SCHEIN CANADA INC. INSTALLATION SUPERVISOR AND SALES REP. TO ENSURE THAT ALL PLUMBING REQUIREMENTS WILL MATCH WITH ANY CHANGES THAT MAY HAVE OCCURRED WITH THE DOCTOR'S EQUIPMENT ORDER. PLEASE CONTACT THE SALES REPRESENTATIVE FOR INSPECTIONS. HENRY SCHEIN CANADA INC. WILL NOT BE HELD RESPONSIBLE FOR FAILURE TO COMPLY WITH THIS INSPECTION.

- PLUMBING SCHEDULE:**
- Ⓐ 1/2" HOT AND 3/4" COLD WATER WITH 1 1/2" TRAPPED AND VENTED WASTE LINE TO SINK.
 - Ⓑ 1/2" HOT AND 3/4" COLD WATER, SECONDARY 1/2" COLD WATER, 1/2" AIR WITH 1 1/2" TRAPPED AND VENTED WASTE LINE TO SINK. PLUMBER TO INSTALL BACK FLOW PREVENTION VALVES BEFORE MANUAL SHUT OFF VALVE IF DENTAL UNIT IS NOT OUTFITTED WITH SELF CONTAINED CLEAN WATER SYSTEM.
 - Ⓒ 1/2" HOT AND 3/4" COLD WATER, SECONDARY 1/2" COLD WATER, 1/2" AIR, 1 1/2" VACUUM LINE TERMINATE WITH 1/2" AND 1 1/2" TRAPPED AND VENTED WASTE LINE. PLUMBER TO INSTALL BACK FLOW PREVENTION VALVES BEFORE MANUAL SHUT OFF IF DENTAL UNIT IS NOT OUTFITTED WITH SELF CONTAINED CLEAN WATER SYSTEM.
 - Ⓓ 3/4" COLD WATER, 1/2" AIR, 1 1/2" VACUUM LINE TERMINATE WITH 1/2" AND 1 1/4" WET VENTED WASTE RISERS, ALL UTILITIES THROUGH FLOOR TO MOUNTED DENTAL UTILITY CENTER. PLUMBER TO INSTALL BACK FLOW PREVENTION VALVES BEFORE MANUAL SHUT OFF IF DENTAL UNIT IS NOT OUTFITTED WITH SELF CONTAINED CLEAN WATER SYSTEM.
 - Ⓔ 1/2" HOT AND 3/4" COLD WATER, SECONDARY 1/2" COLD WATER, 1/2" AIR, 1 1/2" VACUUM LINE TERMINATE WITH 1/2" AND 1 1/2" TRAPPED AND VENTED WASTE.
 - Ⓕ 3/4" COLD WATER, 1/2" AIR AND 1 1/2" VACUUM LINE TERMINATE WITH 1/2" RISERS TO CABINET UTILITY SECTION AT FLOOR LEVEL. PLUMBER TO INSTALL BACK FLOW PREVENTION VALVES BEFORE MANUAL SHUT OFF VALVE IF DENTAL UNIT IS NOT OUTFITTED WITH SELF CONTAINED CLEAN WATER SYSTEM.
 - Ⓖ 3/4" COLD WATER TO 1/2" GARDEN HOSE VALVE UP 16" AND 1 1/2" NON-CORROSIVE OPEN CUP TYPE DRAIN UP 20".
NOTE: FOR SILVER RECOVERY AND DILUTION TANK DRAIN TO BE 12" A.F.F.
 - Ⓗ 3/4" MAIN INCOMING COLD WATER WITH BACK FLOW PREVENTION VALVE PRESSURE VACUUM BREAKER TO 3/4" SHUTOFF ELECTRIC SOLENOID AND WATER FILTER AVAILABLE FROM HENRY SCHEIN CANADA INC. TO BE INSTALLED BY PLUMBER. LOCATION TO BE DETERMINED BY PLUMBER ON SITE.
 - Ⓘ 1/2" SECONDARY COLD WATER AND VENTED WASTE
 - Ⓝ DENTAL VACUUM PUMP (SUPPLIED) TERMINATE VACUUM LINE. PROVIDE 3/4" COLD WATER TO 1/2" BRASS GATE VALVE. EXHAUST TO 2" TRAPPED AND VENTED DRAIN.
 - Ⓚ DENTAL COMPRESSOR (SUPPLIED) TERMINATE 1/2" COPPER AIR LINE AT COMPRESSOR.
 - Ⓛ PLASTER TRAP TO BE INSTALLED BY PLUMBER, AVAILABLE FROM HENRY SCHEIN CANADA INC.
 - Ⓜ AMALGAM SEPARATOR

FINALS REVIEWED BY:

FSC: _____

ESS: _____

The undersigned has reviewed and takes responsibility for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.

QUALIFICATION INFORMATION

TITLE: **PLUMBING PLAN
HOT/COLD & DRAIN LINES**

PROJECT: **2011-008**

PROJECT NORTH

DRAWING NUMBER: **M-02**
OF

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DRAWN BY:
SALES REP:
EQUIP. SPEC.:
INSTALLER:

REVISION LOG:

REV. #	DATE	BY	REV. #	DATE	BY
1			6		
2			7		
3			8		
4			9		
5			10		

THE IDEAS EXPRESSED HEREIN ARE THE SOLE PROPERTY OF HENRY SCHEIN CANADA AND MAY NOT BE USED OR REPRODUCED WITHOUT EXPRESSED WRITTEN CONSENT AND FULL PAYMENT OF ANY ASSOCIATED DESIGN FEES. DO NOT SCALE DRAWINGS. ALL DIMENSIONS ARE SUBJECT TO JOB SITE VERIFICATION.

DWG. SCALE: 1/4" = 1'-0"
START DATE: APRIL 18, 2011
USABLE AREA: 1,020 S.F.
FILE: JINDAL-2011-008