

## Building Isometic

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Common Room Isometric Detail





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Building Plan View

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Effluent Plans -
Main Building

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M3.1 $\frac{\text { Fresh Water }}{1: 35}$

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Fresh Water Plans

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1 Sump Tank Supply \& Drain Piping Detail M3.2 $\frac{1}{1: 10}$


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Fresh Water Details

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Process Piping

## Equipment Details



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Process Piping Equipment Details 2



3
M4.5 Typical Large Tanks Supply Piping
$1: 10$

(M4.5 $\frac{\text { Typical Large Tanks Return Piping }}{1: 10}$

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Large Tank Piping Details

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Small Tank Piping Details

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Effluent from quarantine rooms.


Bottom cone discharge to sump tank.

3 Process Flow Diagram - Effluent Treatment

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DESCRPTION
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Effluent Treatment Views

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GENERAL NOTES


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T. MECHANCAL Contractor Shall subut All shop drawnigs to consultant for revew pror to

eneral plumbing notes
THE CONTRACTOR SHALL BE RESPONSILLE FOR OBTAIING ALL NECESSARY PERMTTS.
2. FOR PLUMBBING GIITURES SUPPLLED AND INSTALLED BY THE CONTRACTOR, REFER TO SPECIFICATION
DTALLS FORINFORMATON.

RIOR TO CONSTRUCTION.

5. PROOIDE WATER LINES TO ALL SINKS CN SHUT-OFF VALVES AND DRAINS AS REQUIRED, UNLESS
INDICATED OTHERWISE.
. PRovide drain valves at Low spots of new fresh water system





0. ALL PLUMBING TO BE TESTED TO THE SATISFACTION OF LOCAL AUTHORTIES HAVING JURISDICTION,






12. ALL DISSIMLAR METAL (STEEL-COPPER, ETC.) SHALL BE SEPARATED USING GASKETS AND INSULATING

ASME Al3.1

15. PROCESS fLOW PLUMBING IS not SUBJECt TO SECTION 7 OF THE ONTARIO BULLDING CODE


## eneralhacnotes

. 2. ALL DUCT CONSTRUCTION SHALL ADHERE TO SMACNA HVAC DUCT CONSTRUCTION STANDARDS,

 5. ALL BENDS OR ELBOWS SHALL EE MADE WITHA CENTERLINE RADUS OF NOT LESS THAN 1.5 TIMES


 7. ALL GRLLES, REGISTERS, AND DIFEUSERS TO BE ALUMINUM CONSTRUCTION WITH WHITE POWER
COAT UNLESS OTHERWISESPECIFEL.
 9. PROVIDE BALANCING DAMPERS IN DUCTWVRK WHERE SHOWN AND WHERE REQURED FOR PROPE

 11. ALL DAMPERS INIDE DUCTWORK SHALL BE SUITABLY REINFORCED TO PREVENT CHATTERING OR
VIBRATON vibration




 (ONE SIDED) AT MAXMUM ANGLE OF $30^{\circ}$.
 17. PROVIID CANVAS FLLXXILE DUCT CONNECTIONS TO ALL EQUIPMENT.
18. IDENTIFY ALL EANS, RTU UNIT HEATERS AND ALL OOHER EQUPMENT BY ABLACC LAMACOID
ENGRAVED NAMEPLATE WITH WHITE CORE F FRMLY AFIXED WITH SCREWS TO EACH UNIT.


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## $\underset{\text { Facility }}{\text { Codrington Researc }}$ <br> Facility

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Mechanical Legend
\& Notes

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22-250


mechanical notes

1. MECHANICAL DRAWings Shall be read in conuunction with all other drawings. 2. COORRINATE WITHALL OTHER TRADES REGARDING LOCATIONS OF EQUIPMENT, CONTROL DEVIIES, 3. SUPPLY AND NSTALL COMPLETE MECHANCCLL SSSTEMS AS SHOWN ANDOR SPECIFED HEREIN.
PROVIDE SHOP DRAWINGS FOR ALL NEW EOUPMENT FXTURES, AND SYSTEMS
 5. SUPPLY AND NSTALL ALL MATERAALS AND EOUPMENT AS SHOWN ON DRAWINGS FOR THE
 6. PROVIDE SLEEVES AND ACCESS Doors for the INTALLATINN AND SERVIING OF ALL CONCEALED
MECHANICAL EQUIIMENT, FIRE DAMPERS, AND MOTORIZED DAMPERS. B. ENSURE ALL NEW EQUPMENT AND OTHER NSTALLATIONS ARE CLEAN UPON COMPLETION OF THE
WORK. FOLLOW INTALAL MAINTENANCE INSTRUCTONS FROM MANUFACTURRR. 9. AfTER CONSTRUCTION IS COMPLETE MECHANICAL CONTRACTOR SHALL REPLACE ALL FLITERS ON
ANY NEW OR EXISTING UNITS THAT HAVE BEEN OPERATONAL DURNG THE CONSTRUCTION PHASE.
 TION IF APPLCABLE.

 12. PRIME CONTRACTOR TO PROVIDE BULKHEAD, FURRED-IN SPACES, CONCRETE PADS, ETC. UNLESS
OTHERWIISE SPECIIIED. 13. THE MECHANCAL CONTRACTOR ISTO LOCATE THE EXACT DIMENSIONS AND POSIIIONS OF

 15. TEST AND ADJUST ALL SYSTEMS TO THE SATISFACTION OF THE ENGINEER AND THE AUTHORTIES
HAVING JURIISICTION. 16. MECHANCAL CONTRACTOR II RESPONSIBLE TO PROVIDE RED-LINED AS-BULT DRAWINGS TO THE
OWNER AS PART OF 17. CONTRACTOR TO MAKE ALLOWANCES IN PRICE FOR REMOVALRELOCATIONRE-
ROUTNGRECONNECTON OF EXISTNG MECHANCAL EQUPMENTISSTEMS AS MAY BE


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Mechanical
Schedules \& Notes

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Fish Tanks



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Bill of Material


