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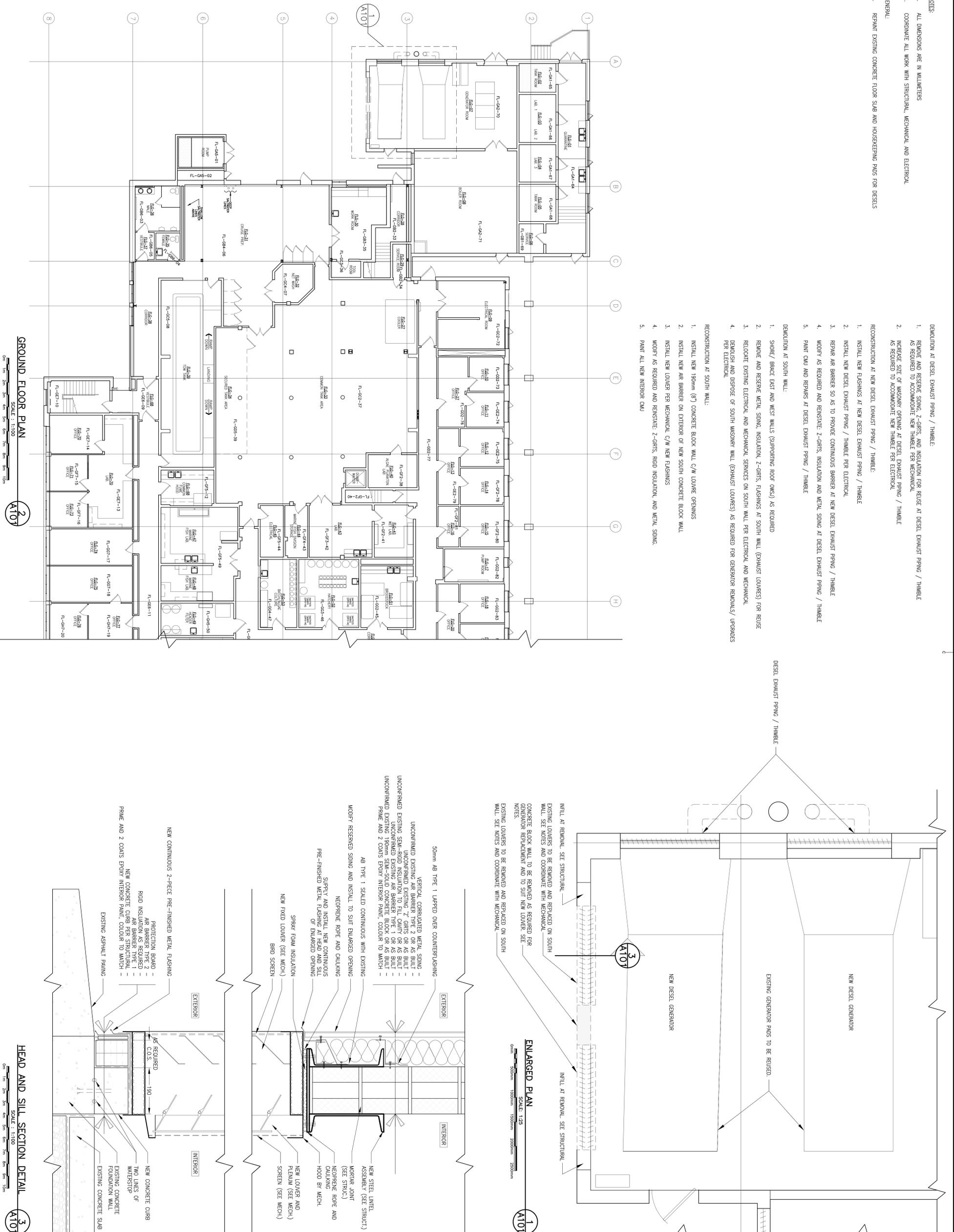
NO.	DESCRIPTION	DATE
3	ISSUED FOR TENDER	02/27/2016
2	ISSUED FOR LOOK REVIEW	06/17/2015
1	ISSUED FOR 70% REVIEW	05/05/2015

**BIO GENERATOR UPGRADES
FOR CAMPUS HEATING
SYSTEM**
BEDFORD INSTITUTE OCEANOGRAPHY
DARTMOUTH - NS

**ARCHITECTURAL PLANS
AND DETAIL**

DESIGNED BY: J.W.
DATE: APR 2016
DRAWN BY: J.W.
DATE: APR 2016
CHECKED BY: S.P.B.
DATE: APR 2016

PROJECT NO.: R080319.001
NO. OF SHEETS: 10
SHEET NO.: A-101



- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS
 2. COORDINATE ALL WORK WITH STRUCTURAL, MECHANICAL AND ELECTRICAL GENERAL:
 1. REPAIR EXISTING CONCRETE FLOOR SLAB AND HOUSEKEEPING PASSEYS FOR DECKETS
- DEMOLITION AT DIESEL EXHAUST PIPING / THIMBLE:**
1. REMOVE AND RESERVE SINKING Z-GIRTS AND INSULATION FOR REUSE AT DIESEL EXHAUST PIPING / THIMBLE AS REQUIRED TO ACCOMMODATE NEW THIMBLE PER MECHANICAL
 2. INCREASE SIZE OF MASONRY OPENING AT DIESEL EXHAUST PIPING / THIMBLE AS REQUIRED TO ACCOMMODATE NEW THIMBLE PER ELECTRICAL
- RECONSTRUCTION AT NEW DIESEL EXHAUST PIPING / THIMBLE:**
1. INSTALL NEW FLASHINGS AT NEW DIESEL EXHAUST PIPING / THIMBLE
 2. INSTALL NEW DIESEL EXHAUST PIPING / THIMBLE PER ELECTRICAL
 3. REPAIR AIR BARRIER SO AS TO PROVIDE CONTINUOUS BARRIER AT NEW DIESEL EXHAUST PIPING / THIMBLE
 4. MODIFY AS REQUIRED AND REINSTATE Z-GIRTS, INSULATION AND METAL SINKING AT DIESEL EXHAUST PIPING / THIMBLE
 5. PAINT CMU AND REPAIRS AT DIESEL EXHAUST PIPING / THIMBLE
- DEMOLITION AT SOUTH WALL:**
1. SHORE / BRACE EAST AND WEST WALLS (SUPPORTING ROOF OMS) AS REQUIRED
 2. REMOVE AND RESERVE METAL SINKING, INSULATION, Z-GIRTS, FLASHINGS AT SOUTH WALL (EXHAUST LOUVERS) FOR REUSE
 3. RELOCATE EXISTING ELECTRICAL AND MECHANICAL SERVICES ON SOUTH WALL PER ELECTRICAL AND MECHANICAL
 4. DEMOLISH AND DISPOSE OF SOUTH MASONRY WALL (EXHAUST LOUVERS) AS REQUIRED FOR GENERATOR REMOVALS/UPGRADES PER ELECTRICAL
- RECONSTRUCTION AT SOUTH WALL:**
1. INSTALL NEW 190mm (8") CONCRETE BLOCK WALL C/W LOUVER OPENINGS
 2. INSTALL NEW AIR BARRIER ON EXTERIOR OF NEW SOUTH CONCRETE BLOCK WALL
 3. INSTALL NEW LOUVER PER MECHANICAL C/W NEW FLASHINGS
 4. MODIFY AS REQUIRED AND REINSTATE Z-GIRTS, RIGID INSULATION AND METAL SINKING
 5. PAINT ALL NEW INTERIOR CMU

ENLARGED PLAN
SCALE: 1:25

50mm AB TYPE 1 LAPPED OVER COUNTERFLASHING

VERTICAL CORRUGATED METAL SIDING -
UNCONFINED EXISTING AIR BARRIER TYPE 2 OR AS BUILT -
UNCONFINED EXISTING Z-GIRTS OR AS BUILT -
UNCONFINED EXISTING SEMI-SOLID CONCRETE BLOCK OR AS BUILT -
UNCONFINED EXISTING AIR BARRIER TYPE 1 OR AS BUILT -
UNCONFINED EXISTING SEMI-SOLID CONCRETE BLOCK OR AS BUILT -
PRIME AND 2 COATS EPOXY INTERIOR PAINT, COLOUR TO MATCH -

AB TYPE 1 SEALED CONTINUOUS WITH EXISTING

MODIFY RESERVED SIDING AND INSTALL TO SUIT ENLARGED OPENING

NEOPRENE ROPE AND CAULKING

SUPPLY AND INSTALL NEW CONTINUOUS PRE-FINISHED METAL FLASHING AT HEAD AND SILL OF ENLARGED OPENING

SPRAY FOAM INSULATION

NEW FIXED LOUVER (SEE MECH.)

BIRD SCREEN

NEW LOUVER AND FLENUM (SEE MECH.)

SCREEN (SEE MECH.)

NEW STEEL UNITEL ASSEMBLY (SEE STRUCT.)

MORTAR JOINT (SEE STRUCT.)

NEOPRENE ROPE AND CAULKING

HOOD BY MECH.

EXTERIOR

INTERIOR

NEW CONTINUOUS 2-PIECE PRE-FINISHED METAL FLASHING

PROTECTION BOARD -
AIR BARRIER TYPE 2 -
RIGID INSULATION AS REQUIRED -
AIR BARRIER TYPE 1 -
NEW CONCRETE CURB -
PRIME AND 2 COATS EPOXY INTERIOR PAINT, COLOUR TO MATCH -
EXISTING ASPHALT PAVING

AS REQUIRED

C.O.S.

190

NEW CONCRETE CURB

TWO LINES OF WATERSTOP

EXISTING CONCRETE FOUNDATION WALL

EXISTING CONCRETE SLAB

GROUND FLOOR PLAN
SCALE: 1:1100

ENLARGED PLAN
SCALE: 1:25

HEAD AND SILL SECTION DETAIL
SCALE: 1:100