

Halton District School Board

2050 Guelph Line Burlington, Ontario

## NELSON HIGH SCHOOL BOILER REPLACEMENT

4181 NEW STREET Burlington, Ontario

Architect

#### sn ide

Snyder Architects Inc.
100 Broadview Ave, Suite 301, Toronto, ON M4M 3H3
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#### Consultants

Mechanical and Electrical Consultants **RDZ Engineering Ltd**30 Pennsylvania Avenue, Unit 17A

Vaughan, Ontario, L4K 4A5

Tel: 416-317-8804

Structural Consultants **Kalos Engineering Inc.**300 York Boulevard,
Hamilton, Ontario, L8R 3K6
Tel: 905-333-9119

#### ARCHITECTURAL

# A000 COVER SHEET A101 OVERALL KEY FLOOR PLANS & OBC MATRIX A200 FIRST FLOOR PARTIAL DEMOLITION PLANS A201 ROOF PARTIAL DEMOLITION PLAN A202 FIRST FLOOR PARTIAL RENOVATION PLANS A203 ROOF PARTIAL RENOVATION PLAN A300 FIRST FLOOR PARTIAL REELECTED CEILING PLANS A500 WALL SECTIONS A501 SECTIONS AND TYPICAL SECTION DETAILS INTERIOR ELEVATIONS & WINDOW TYPES

#### STRUCTURAL

S2 FRAMING PLANS AND NOTES - PHASE 2S3 FRAMING PLANS AND NOTES - PHASE 2

#### MECHANICAL

M1.0	DRAWING LIST, SYMBOL LISTS, NOTES MECHANICAL
M2.0	PARTIAL GROUND FLOOR DEMOLITION PLAN - HVAC
M2.1	PARTIAL ROOF DEMOLITION PLAN - HVAC
M2.2	ENLARGED BOILER & SECOND BOILER ROOM DEMOLITION PLANS - MECHANICAL
M3.0	PARTIAL GROUND FLOOR NEW WORK PLAN - HVAC
M3.1	PARTIAL ROOF NEW WORK PLAN - HVAC
M3.2	ENLARGED BOILER & SECOND BOILER ROOM NEW WORK PLAN - HVAC
M3.3	PARTIAL ROOF NEW WORK PLAN PLUMBING
M3.4	ENLARGED BOILER & SECOND BOILER ROOM NEW WORK PLANS - PLUMBING
M4.0	HVAC FLOW DIAGRAMS MECHANICAL
M5.0	CONTROLS DIAGRAMS 1 MECHANICAL
M5.1	CONTROLS DIAGRAMS 2 MECHANICAL
M6.0	EQUIPMENT SCHEDULES 1 MECHANICAL
M6.1	EQUIPMENT SCHEDULES 2 MECHANICAL
M7.0	DETAILS 1 MECHANICAL
M7.1	DETAILS 2 MECHANICAL
M7.2	DETAILS 3 MECHANICAL

**DETAILS 4 MECHANICAL** 

DETAILS 5 MECHANICAL

#### ELECTRICAL

E001	SYMBOL LIST AND DETAILS
E100	GROUND FLOOR KEY PLAN
E200	GROUND FLOOR (SOUTH EAST WING) DEMOLITION LAYOUT
E201	GROUND FLOOR (SOUTH EAST WING) DEMOLITION LAYOUT
E202	GROUND FLOOR ELECTRICAL ROOM MODIFICATION LAYOUT
E300	PARTIAL ROOF PLAN MODIFICATION LAYOUT
E400	SINGLE LINE DIAGRAM & FIRE ALARM RISER
E500	PANEL SCHEDULE

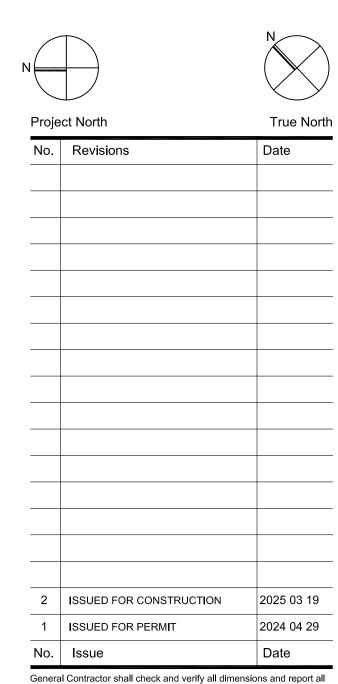
INFORMATION AVAILABLE TO BIDDERS

DESIGNATED SUBSTANCE REPORT

# NELSON HIGH SCHOOL PHASE 2 - BOILER REPLACEMENT

Halton District School Board Burlington, Ontario

#### Key Plan N.T.S.



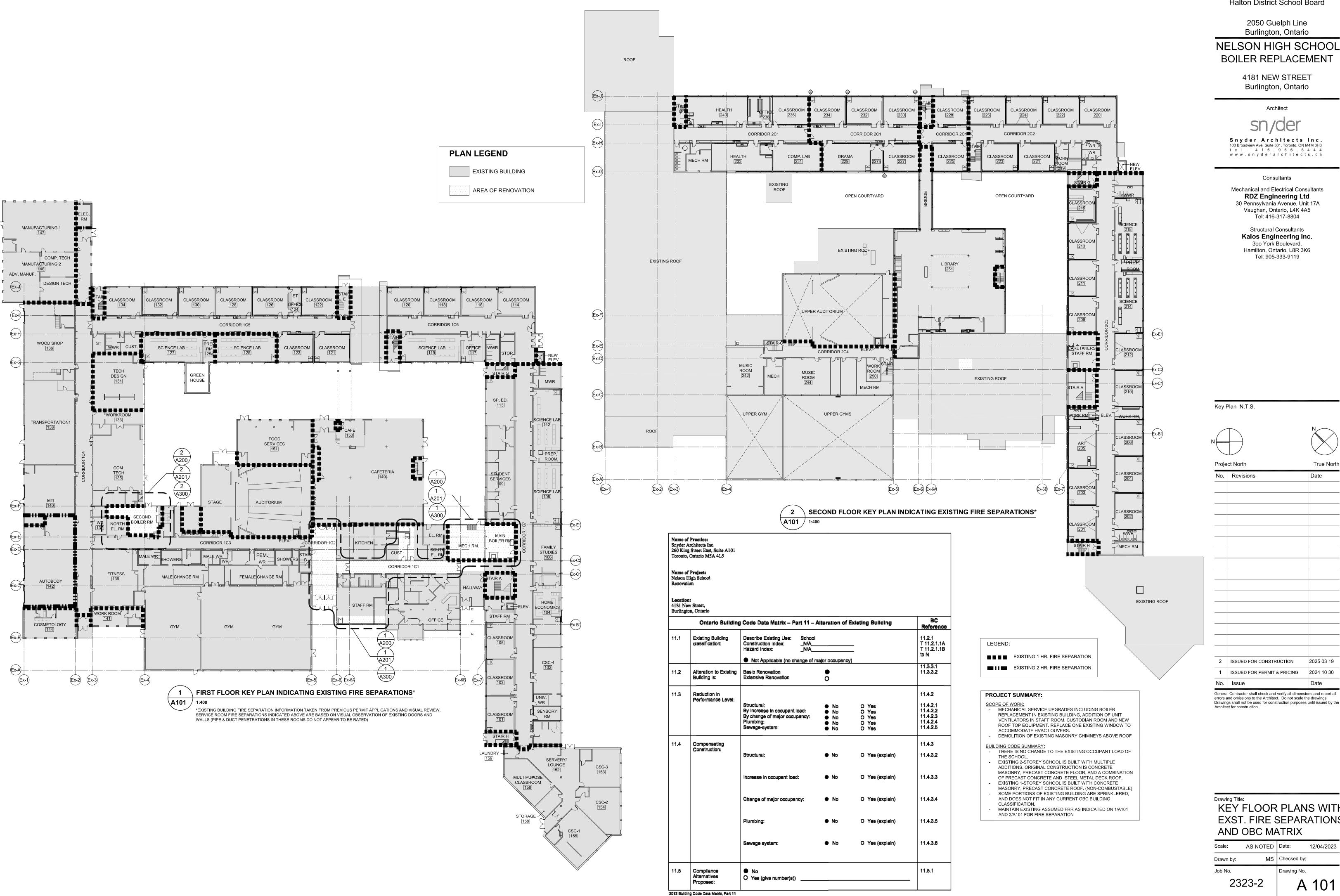
errors and omissions to the Architect. Do not scale the drawings.

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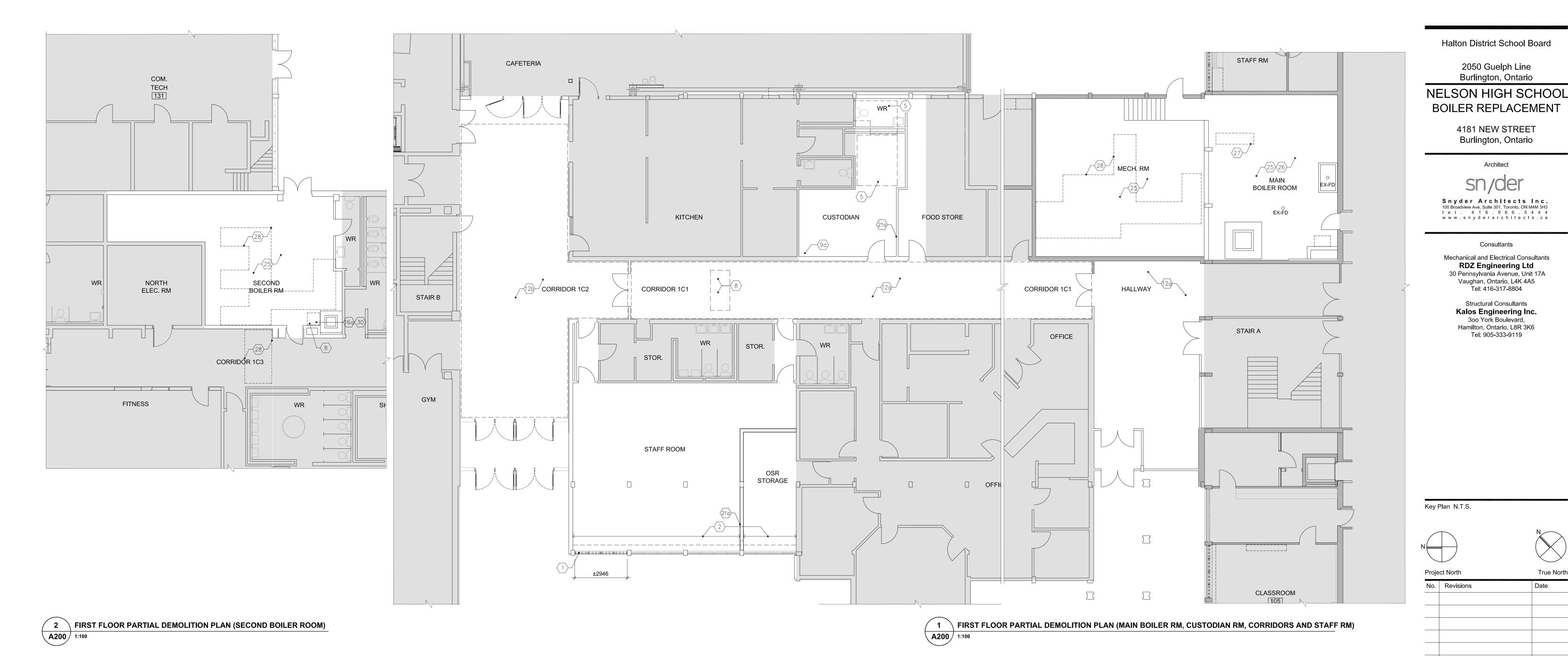
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#### Key Plan N.T.S.



**KEY FLOOR PLANS WITH** EXST. FIRE SEPARATIONS AND OBC MATRIX

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NOTE: CONTRACTOR TO REVIEW "DESIGNATED SUBSTANCE AND HAZARDOUS BUILDING MATERIALS ASSESSMENT" REPORT PREPARED BY MTE CONSULTANTS INC. REMOVAL OF ANY MATERIALS AS NOTED ON THE DEMOLITION DRAWINGS TO BE REMOVED & DISPOSED OF IN ACCORDANCE TO THIS REPORT & THE SPECIFICATION SECTION 02 82 09

#### **DEMOLITION NOTES**

REMOVE AND DISPOSE OF EXISTING WINDOW (±3000mm x ±2000mm) & FRAME WITH ASSOCIATED COMPONENTS ALONG WITH PLAM SILL TO CREATE NEW OPENING. COORDINATE W/STRUC. /MECH. /ELEC. DWGS FOR ADDITIONAL DEMOLITION SCOPE FOR WORK. MAKE GOOD

AFFECTED SURFACES TO RECEIVE NEW WORK, MAKE OPENING WETHER TIGHT SCOPE BY SC01

REMOVE AND DISPOSE OF EXISTING WINDOW PANE. MAKE  $\langle$  1a  $\rangle$  good affected surfaces to receive New Mech. LOUVER IN EXISTING WINDOW FRAME.

REMOVE AND DISPOSE OF EXISTING RAD WITH ATTACHED 2 COMPONENTS INCLUDING ASSOCIATED TRIMS, MILLWORK, WOOD BLOCKING & INSULATION BEHIND. COORDINATE WITH MECH. & ELEC. DWGS FOR EXTENT & SCOPE OF ADDITIONAL DEMOLITION WORK. MAKE GOOD AFFECTED

DRAIN, CUT BACK AND DISPOSE OF EXISTING SERVICE 3 PIPES. CONNECT TO NEW AND REDIRECT INTERNAL PIPES TOWARDS NEW CHASE. COORDINATE WITH MECH. & ELEC. SC03 DWGS FOR EXTENT & SCOPE OF ADDITIONAL DEMOLITION WORK. MAKE GOOD AFFECTED SURFACES TO RECEIVE

DISCONNECT, REMOVE AND DISPOSE OF EXISTING CEILING 5 HUNG MECH. UNIT WITH ATTACHED COMPONENTS. BY COORDINATE WITH MECH. & ELEC. DWGS FOR EXTENT & SC03 SCOPE OF ADDITIONAL DEMOLITION WORK. MAKE GOOD AFFECTED SURFACES.

CUT AND DISPOSE OF EXISTING CONCRETE SLAB ROOF 8 ASSEMBLY INCLUDING INSULATION, ROOFING MEMBRANE & ADHESIVE TO CREATE NEW OPENINGS (assume 6sq ft in area) FOR DUCT & SERVICE PIPE PENETRATIONS. COORDINATE WITH MECH & ELEC. DWGS FOR CORRECT SIZES & EXACT LOCATIONS. REFER TO STRUCTURAL DRAWINGS FOR SUPPORT FRAMING AROUND OPENINGS. MAKE GOOD (ALL TRADES) ALL SURFACES READY TO RECEIVE PROPOSED WORK.

9 NCLUDING INSULATION, ROOFING MEMBRANE FOR INSTALLATION OF STRUCTURAL STEEL SUPPORT. SC07 COORDINATE WITH STRUCT. & MECH DWGS FOR EXTENT & SCOPE OF ADDITIONAL DEMOLITION REQUIREMENTS. MAKE GOOD (ALL TRADES) ALL SURFACES READY TO

RECEIVE PROPOSED WORK.

CUT AND DISPOSE OF EXISTING CONCRETE SLAB ROOF  $\langle$  9a  $\rangle$  assembly including insulation, roofing membrane & ADHESIVE TO CREATE NEW SERVICE PIPE PENETRATIONS. COORDINATE WITH MECH & ELEC. DWGS FOR CORRECT SIZES & EXACT LOCATIONS. REFER TO STRUCTURAL DRAWINGS FOR SUPPORT FRAMING AROUND OPENINGS. MAKE GOOD (ALL TRADES) ALL

REMOVE AND DISPOSE OF EXISTING LIGHT FIXTURES AND 12 ASSOCIATED DEVICES FROM EXPOSED CEILING. MAKE GOOD AFFECTED SURFACES. COORDINATE W/MECH. /ELEC. DWGS FOR ADDITIONAL DEMOLITION SCOPE FOR

SURFACES READY TO RECEIVE PROPOSED WORK.

REMOVE AND DISPOSE OF ACT CEILING WITH ELECTRICAL  $\langle 12a \rangle$  FIXTURES AND OTHER DEVICES. MAKE GOOD AFFECTED SURFACES. COORDINATE W/STRUC. /MECH. /ELEC. DWGS FOR ADDITIONAL DEMOLITION SCOPE FOR WORK.

REMOVE EXISTING CEILING TILES TO COMPLETE MECH. TILES FOR REUSE. SUPPORT T-BAR WHERE NECESSARY.

 $\langle 12b 
angle$  service connections. Carefully store existing act RETAIN EXISTING LIGHT FIXTURES, MECH DIFFUSERS, AND GRILLS. COORDINATE W/ MECH. DGW FOR ADDITIONAL DEMO. SCOPE AND REQUIREMENTS. REINSTALL CEILING TILES AFTER COMPLETION OF MECH. SERVICES-RENOVATION WORK. UNDAMAGED CLG COMPONENTS ARE ACCEPTABLE FOR REUSE.

DISCONNECT, REMOVE AND DISPOSE OF EXISTING FLOOR  $\langle$  19 angle mounted raceways with power outlets. Include TO CUT, REMOVE AND DISPOSE OF EXISTING SERVICE CONNECTIONS BELOW / UNDER SLAB (FIRST FLOOR SC04 CEILING SPACE). REFER TO ELEC. DWGS FOR ADDITIONAL

REQUIREMENTS. MAKE GOOD AFFECTED SURFACES. CAREFULLY CUT, REMOVE AND CREATE AN OPENING (assume (21) 6sq ft in area) FOR DUCT PENETRATION THROUGH EXISTING BLOCK WALL. COORDINATE WITH MECH DWGS FOR EXTENT SC02 & SCOPE OF ADDITIONAL DEMOLITION REQUIREMENTS

CONNECTIONS. MAKE GOOD (ALL TRADES) ALL SURFACES

READY TO RECEIVE PROPOSED WORK. CAREFULLY CUT, REMOVE AND CREATE AN OPENING (assume 21a 2sq ft in area) SERVICE PENETRATION THROUGH EXISTING BLOCK WALL. COORDINATE WITH MECH DWGS FOR EXTENT SC02 & SCOPE OF ADDITIONAL DEMOLITION REQUIREMENTS

CONNECTIONS. MAKE GOOD (ALL TRADES) ALL SURFACES READY TO RECEIVE PROPOSED WORK. REFER TO MECHANICAL DWGS FOR BOILER ROOM

25 DEMOLITION SCOPE. COORDINATE WITH MECH., ELEC. & BY STRUCT. DWGS FOR EXTENT & SCOPE OF ADDITIONAL SC03 DEMOLITION WORK. MAKE GOOD AFFECTED SURFACES.

CAREFULLY CUT EXISTING CONCRETE PAD / PLATFORM OF 26 EXISTING MECH. EQUIPMENTS. ASSUME 10 LOCATIONS OF 1.5m x 1.5m SIZE. COORDINATE WITH MECH. DWGS FOR SC02 EXTENT & SCOPE OF ADDITIONAL DEMOLITION WORK. MAKE GOOD AFFECTED SURFACES TO RECEIVE NEW FLOOR FINISH.

REMOVE AND DISPOSE OF EXISTING FLOOR TRENCH COVER. REFER TO MECH., ELEC. DWGS FOR ADDITIONAL BY REQUIREMENTS/ UNDER SLAB CONNECTIONS. MAKE SC02 GOOD (ALL TRADES) ALL SURFACES READY TO RECEIVE

CUT AND DISPOSE OF EXISTING SLAB/FLOOR TO CREATE  $\langle 28 \rangle$  Trench for New Service connections. Refer to BY MECH., ELEC. DWGS FOR ADDITIONAL REQUIREMENTS/ SC02 UNDER SLAB CONNECTIONS. MAKE GOOD (ALL TRADES) ALL SURFACES TO RECEIVE PROPOSED WORK.

REMOVE AND DISPOSE OF EXISTING CHIMNEY WALL  $\langle~29~
angle$  ASSEMBLY (APROX. SIZE: 5' x 5' x 42' high) INCLUDING ANY BY ATTACHED COMPONENTS (ABOVE CUSTODIAN ROOM 2ND SC02 FLOOR ROOF) IN MAIN BOILER RM. REFER TO STRUCTURAL, MECH. & ELEC. DWGS FOR ADDITIONAL REQUIREMENTS. MAKE GOOD (ALL TRADES) ALL

SURFACES READY TO RECEIVE PROPOSED WORK. REMOVE AND DISPOSE OF EXISTING CHIMNEY WALL ASSEMBLY (APROX. SIZE: 4' x 4' x 22' high) INCLUDING ANY ATTACHED COMPONENTS (ABOVE SECOND BOILER RM SC02 ROOF) IN SECOND BOILER RM. REFER TO STRUCTURAL MECH. & ELEC. DWGS FOR ADDITIONAL REQUIREMENTS.

MAKE GOOD (ALL TRADES) ALL SURFACES READY TO

RECEIVE PROPOSED WORK.

No. Issue General Contractor shall check and verify all dimensions and report all errors and omissions to the Architect. Do not scale the drawings. Drawings shall not be used for construction purposes until issued by the

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Architect for construction.

1 ISSUED FOR PERMIT & PRICING

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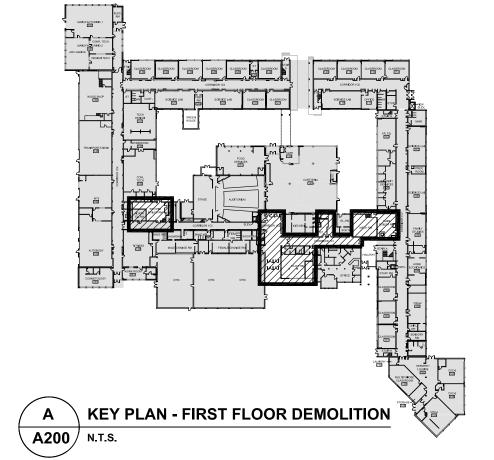
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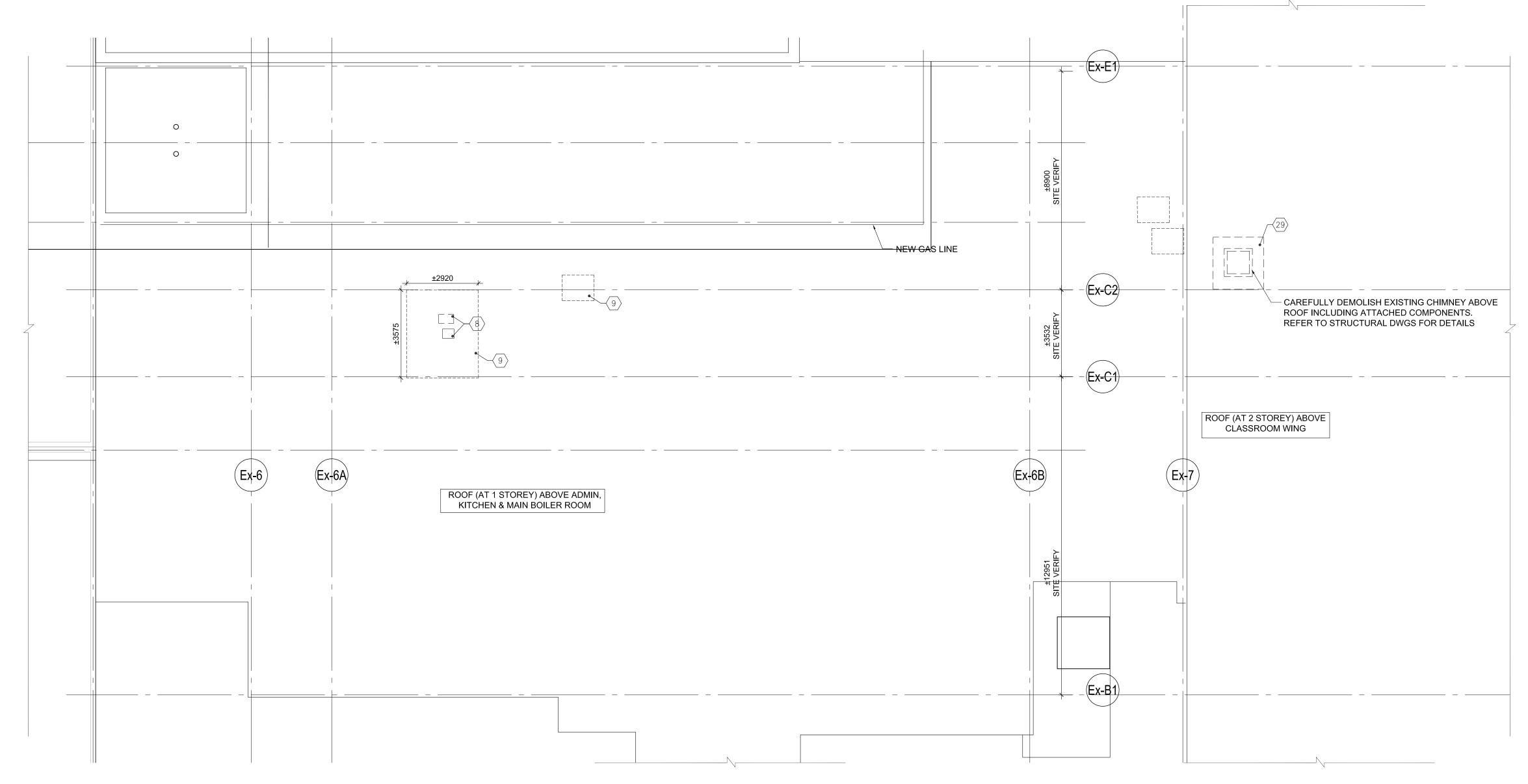
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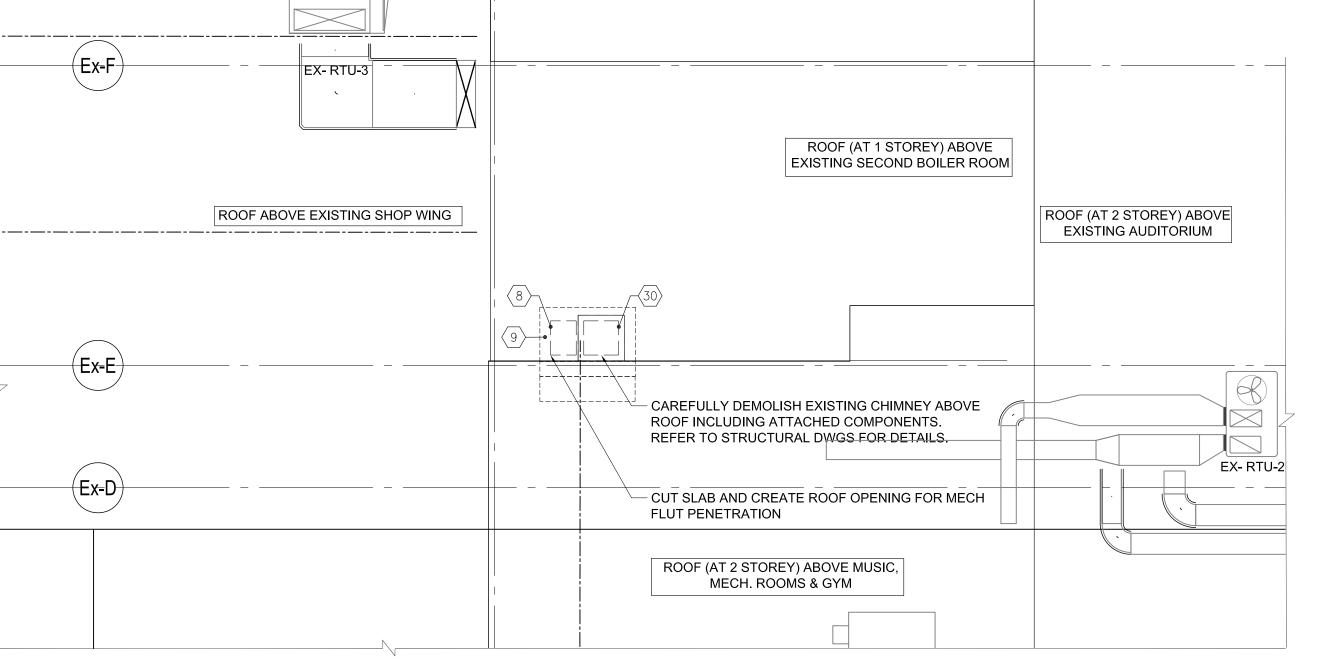
#### FIRST FLOOR PARTIAL DEMOLITION DI ANI

DEMOLITION PLAN			
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NOOF PARTIAL RENOVATION PLAN (BOILER RM, CUSTODIAN RM, CORRIDORS AND STAFF RM) **A201** / 1:100



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#### **DEMOLITION NOTES**

CUT AND DISPOSE OF EXISTING CONCRETE SLAB ROOF 8 ASSEMBLY INCLUDING INSULATION, ROOFING MEMBRANE & ADHESIVE TO CREATE NEW OPENINGS (assume 6sq ft in sco7 area) FOR DUCT & SERVICE PIPE PENETRATIONS.
COORDINATE WITH MECH & ELEC. DWGS FOR CORRECT SIZES & EXACT LOCATIONS. REFER TO STRUCTURAL DRAWINGS FOR SUPPORT FRAMING AROUND OPENINGS. MAKE GOOD (ALL TRADES) ALL SURFACES READY TO RECEIVE PROPOSED WORK.

- CUT AND DISPOSE OF EXISTING ROOF ASSEMBLY 9 INCLUDING INSULATION, ROOFING MEMBRANE FOR INSTALLATION OF STRUCTURAL STEEL SUPPORT. SC07 COORDINATE WITH STRUCT. & MECH DWGS FOR EXTENT & SCOPE OF ADDITIONAL DEMOLITION REQUIREMENTS. MAKE GOOD (ALL TRADES) ALL SURFACES READY TO RECEIVE PROPOSED WORK.
- CUT AND DISPOSE OF EXISTING CONCRETE SLAB ROOF  $\langle 9a \rangle$  assembly including insulation, roofing membrane & ADHESIVE TO CREATE NEW SERVICE PIPE PENETRATIONS. COORDINATE WITH MECH & ELEC. DWGS FOR CORRECT SIZES & EXACT LOCATIONS. REFER TO STRUCTURAL DRAWINGS FOR SUPPORT FRAMING AROUND OPENINGS. MAKE GOOD (ALL TRADES) ALL SURFACES READY TO RECEIVE PROPOSED WORK.
- REMOVE AND DISPOSE OF EXISTING CHIMNEY WALL ASSEMBLY (APROX. SIZE: 5' x 5' x 42' high) INCLUDING ANY BY ATTACHED COMPONENTS (ABOVE CUSTODIAN ROOM 2ND SC02 FLOOR ROOF) IN MAIN BOILER RM. REFER TO STRUCTURAL, MECH. & ELEC. DWGS FOR ADDITIONAL REQUIREMENTS. MAKE GOOD (ALL TRADES) ALL
- REMOVE AND DISPOSE OF EXISTING CHIMNEY WALL 30 ASSEMBLY (APROX. SIZE: 4' x 4' x 22' high) INCLUDING ANY ATTACHED COMPONENTS (ABOVE SECOND BOILER RM SC02 ROOF) IN SECOND BOILER RM. REFER TO STRUCTURAL, MECH. & ELEC. DWGS FOR ADDITIONAL REQUIREMENTS. MAKE GOOD (ALL TRADES) ALL SURFACES READY TO RECEIVE PROPOSED WORK.

SURFACES READY TO RECEIVE PROPOSED WORK.

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Key Plan N.T.S.





Project North True North No. Revisions Date 2 ISSUED FOR CONSTRUCTION 1 ISSUED FOR PERMIT & PRICING 2024 10 30 No. Issue

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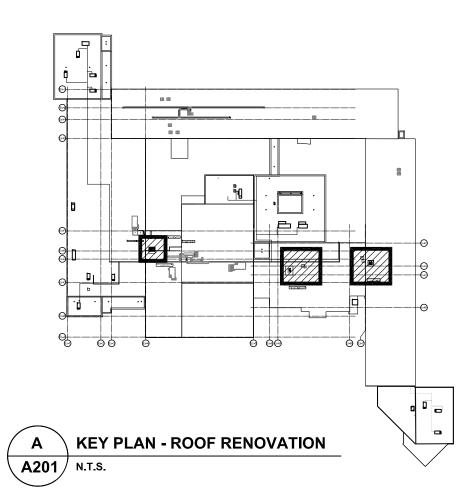
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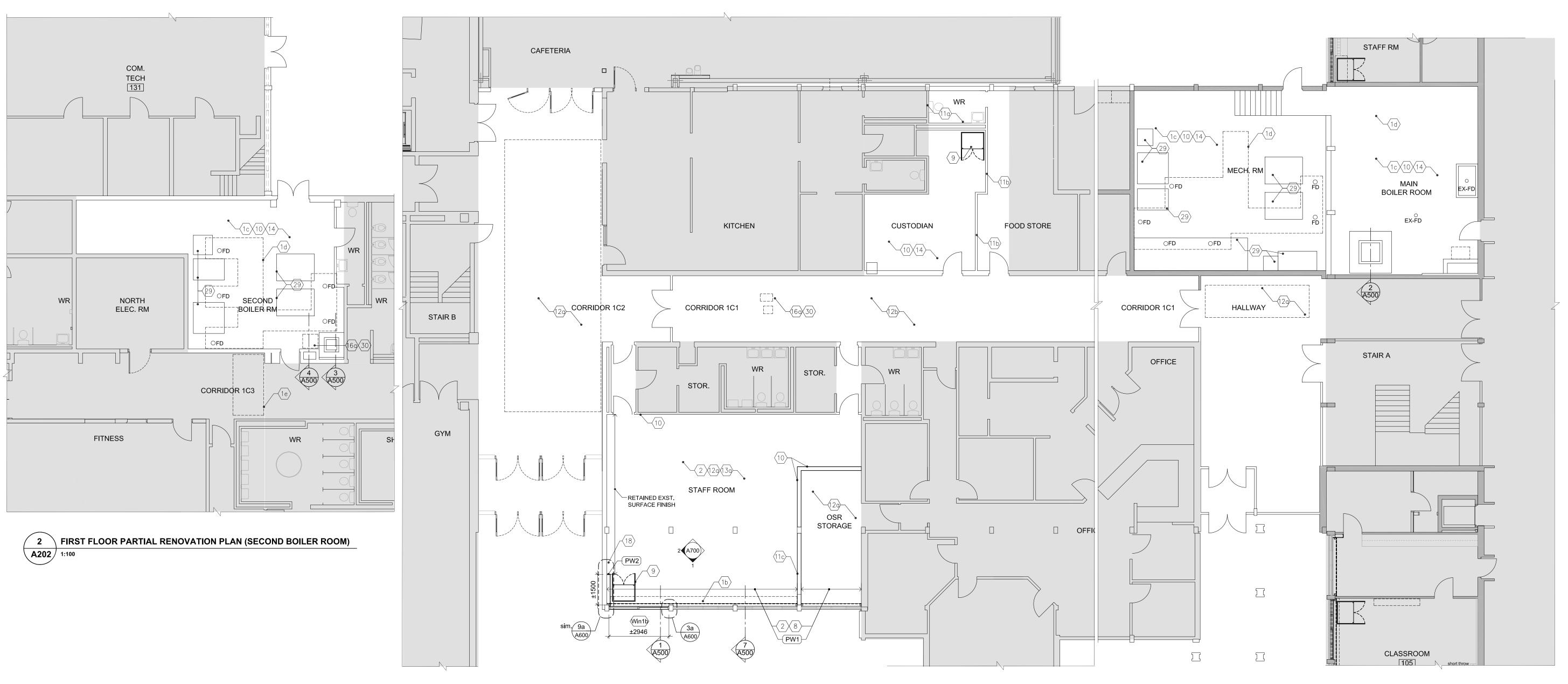
Architect for construction.

#### **ROOF PARTIAL** DEMOLITION PLAN

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ROOF RENOVATION PLAN (SECOND BOILER ROOM) **A201** / 1:100



FIRST FLOOR PARTIAL RENOVATION PLAN (BOILER RM, CUSTODIAN RM, CORRIDORS AND STAFF RM) A202 1:100



( PW1 ) ====== 16mm GB-AR VAPOUR RETARDER

(PW2) = 16mm GB-AR

(PW8) \zzzzzz 190mm CONCRETE BLOCK

#### **RENOVATION NOTES**

- $\langle$  1a  $\rangle$  new floor finish after mech. connections COMPLETED. REFER TO MECH. DWGS FOR EXTENT OF
- SC01 TO CLEAN UP EXISTING FLOORING AND PREPARE (1c) EXISTING CONCRETE SLAB AND

#### NOTE NO. 3 TO 7 - RESERVED

- NEW MECH. UNIT VENTILATOR. COORDINATE LOCATION W/
- PATCH AND MAKE GOOD WITH 'PW8' INFILL IN EXISTING
- CREATE, PATCH AND MAKE GOOD WITH 'PW8' INFILL IN (11b) EXISTING WALL FOR NEW MECH. DUCT PENETRATIONS
- DWGS. REFER TO TYP. SECTION DETAIL 9/A501 PATCH AND MAKE GOOD WITH NEW GYPSUM BOARD WALL

- NEW LIGHT FIXTURES. REFER TO A300 COORDINATE W/ ELEC. DWGS
- MAKE GOOD EXISTING ACT CEILING AFTER COMPLETION (12a) OF MECH CONNECTIONS. COORDINATE W/ MECH. & ELEC. DWGS FOR ADDITIONAL REQUIREMENTS.
- NEW CEILING. REFER TO A300 FOR TYPE AND DETAIL OF (12b) CEILING. COORDINATE W/ ELEC. DWGS
- PROVIDE NEW MANUAL WINDOW SHADES WITH WOOD 13a BLOCKING AT WINDOW HEADS FOR INSTALLATION IN STAFF ROOM. FILL IN, PATCH AND MAKE GOOD EXISTING EXPOSED
- (14) CONCRETE CEILING. PAINT ALL CEILINGS COMPLETE. PATCH AND MAKE GOOD ALL EXISTING EXPOSED SURFACE AS REQ'D PRIOR TO PAINTING (REMOVED LIGHT FIXTURES, CONDUITS ETC). NOTE NO. 15 - RESERVED
- NEW MECH. DUCT ROOF PENETRATIONS. REFER TO MECH. (16a) AND STRUCT. DWGS FOR SCOPE COORDINATION. REFER TO TYP. SECTION DETAILS ON DWG A501 NOTE NO. 17 TO 28 - RESERVED
- SC01 TO PROVIDE NEW 100mm THICK CONCRETE PADS 29 UNDER NEW MECH. EQUIPMENTS.
- SC05 TO PROVIDE STRUCTURAL SUPPORTS FOR NEW  $\langle 30 \rangle$  roof penetrations. Refer to structural & mech. DWGS FOR COORDINATION

Drawing Title:

#### FIRST FLOOR PARTIAL RENOVATION PLAN

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#### INTERIOR PARTITION WALL TYPES

92mm METAL STUDS @ 400 O.C. WITH 75mm BATT INS.

AIR BARRIER SHEET MEMBRANE EXISTING BLOCK

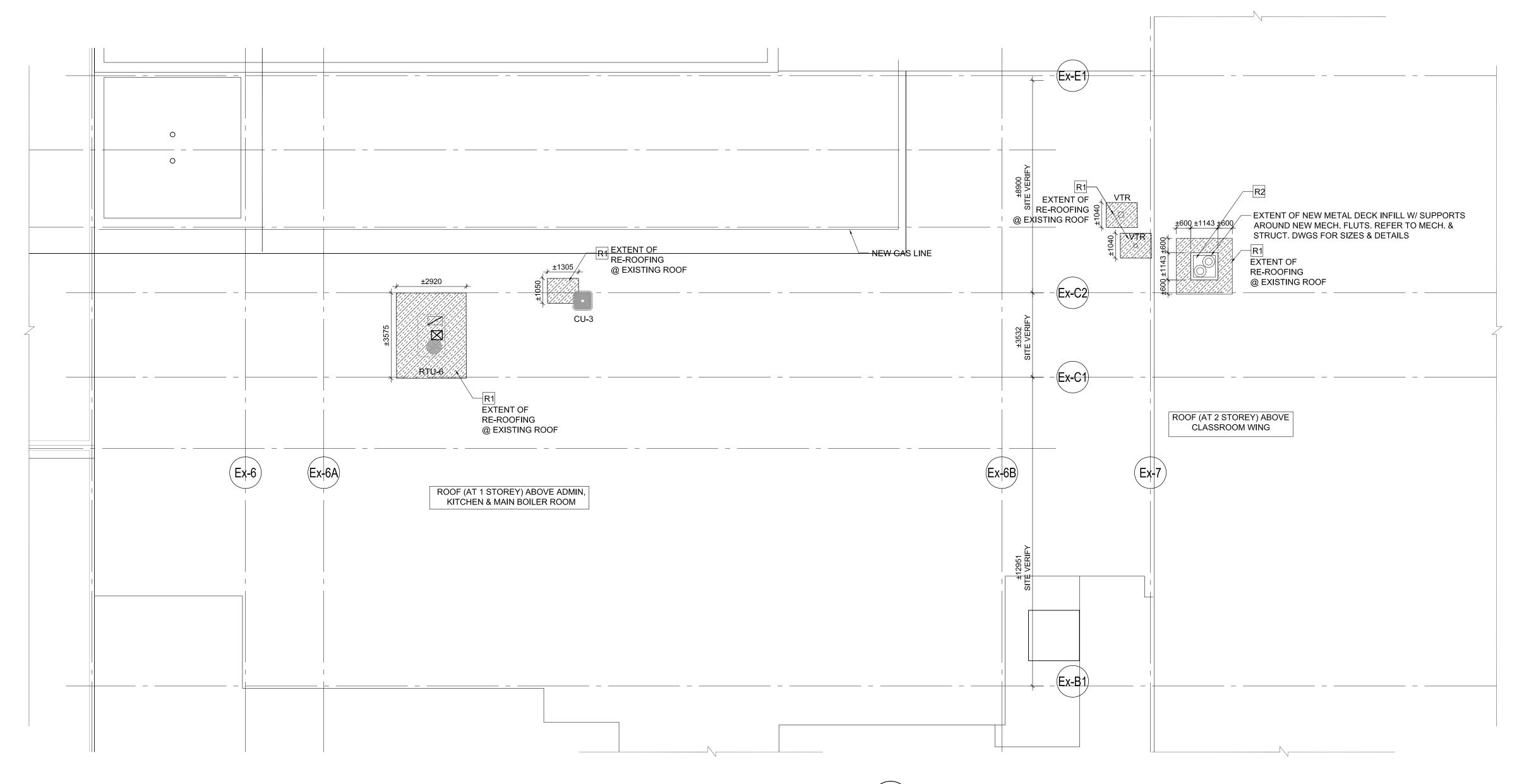
152mm METAL STUDS @ 400 O.C. WITH

- SC01 TO PATCH AND MAKE GOOD CONC. SLAB TO RECEIVE WORK AFFECTING EX. CONC. SLAB (TYP.)
- SC08 TO PROVIDE NEW VCT FLOOR FINISH PATCHWORK (1b) AND NEW BASE AT NEW WALL.
- SC08 TO PROVIDE NEW PEDESTRIAN COATING
- SC01 TO REFER TO DEMO DWGS FOR LOCATION OF NEW TRENCHES IN EXISTING FLOOR FOR NEW SERVICES. REFER TO MECH. DWGS FOR EXTENT OF WORK AFFECTING EX. CONC. SLAB (TYP.) PROVIDE BACKFILL AND NEW CONCRETE SLAB. COORDINATE WITH STRUCTURAL DWGS. SC08 TO PROVIDE NEW PEDESTRIAN COATING.
- SC01 REFER TO DEMO DWGS FOR LOCATION OF NEW  $\langle 1e \rangle$  Trenches in existing floor for New Services. REFER TO MECH. DWGS FOR EXTENT OF WORK AFFECTING EX. CONC. SLAB (TYP.) PROVIDE BACKFILL AND NEW CONCRETE SLAB. COORDINATE WITH STRUCTURAL DWGS. SC08 TO PROVIDE NEW TERRAZZO FLOOR AND COVED BASE PATCHWORK.
- NEW PW1 WALL BELOW WINDOW SILL.

- SC01 TO PROVIDE NEW WINDOW SILL 19mm PLAM W/3mm  $\langle$  8  $\rangle$  PVC EDGE ON WOOD BLOCKING AROUND NEW AND EXISTING WINDOWS & COLUMN PROFILES.
- $\langle \; 9 \; 
  angle$  MECH. & ELEC. DWGS ALONG WITH REQUIRED SERVICE
- PAINT ALL WALLS COMPLETE. PATCH AND MAKE GOOD ALL BLOCK AS REQ'D PRIOR TO PAINTING (REMOVED MILLWORK ETC).
- (11a) WALL FOR NEW MECH. DUCT PENETRATIONS. COORDINATE W/ MECH. AND STRUCT. DWGS. REFER TO TYP. SECTION DETAIL 9/A501
- WITH STEEL LINTEL. COORDINATE W/ MECH. AND STRUCT.
- $\langle 11c \rangle$  infill in existing wall for new mech. Duct PENETRATION.

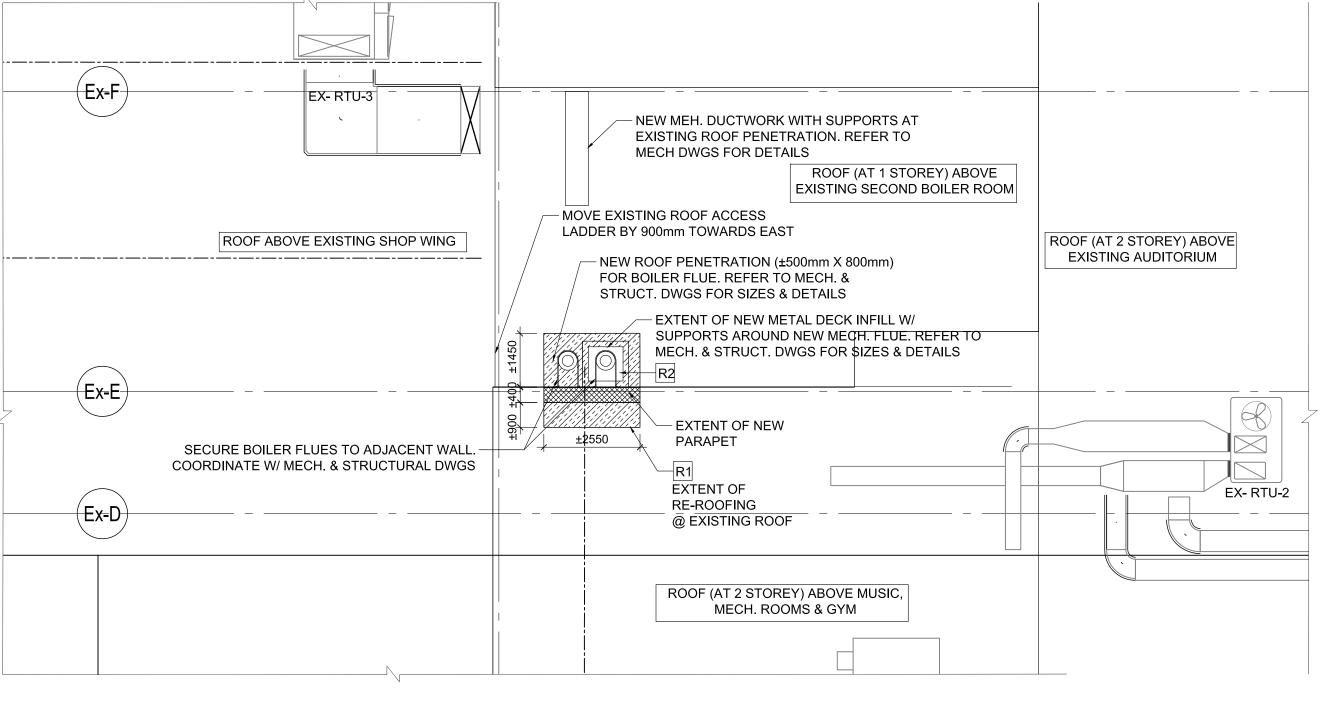
lacksquare A  $\,\,igwedge \,$  KEY PLAN - FIRST FLOOR RENOVATION lacksquare

**A202** ∕ N.T.S.



A201 1:100

NOOF PARTIAL RENOVATION PLAN (BOILER RM, CUSTODIAN RM, CORRIDORS AND STAFF RM)



ROOF RENOVATION PLAN (SECOND BOILER ROOM)

**A203** / 1:100

A KEY PLAN - ROOF RENOVATION

A203 N.T.S.

#### ROOF TYPES & LEGEND

- R1 NEW ROOFING SYSTEM ON EXISTING BUILDING
  4-PLY BUILT-UP BITUMINOUS ROOF ASSEMBLY
  ON EXISTING METAL DECK/ CONCRETE SLAB
- R2 MODIFIED BITUMEN ROOF
  2-PLY BITUMINOUS ROOFING
  6.4mm OVERLAY BOARD
  50mm RIGID POLYISO INSULATION
  ROOF VAPOUR RETARDER
  12.7mm UNDERLAY BOARD
  METAL DECK
- VTR VENT THROUGH ROOF
- RTU ROOF TOP UNIT (REFER TO MECH. DWGS)
- CU. COMPRESSOR (REFER TO MECH. DWGS)

#### NOTES

- FOR EXACT QUANTITIES AND LOCATIONS OF MECHANICAL AND ELECTRICAL ITEMS, PLEASE REFER MECHANICAL AND ELECTRICAL DWGS.
   TO BE READ IN CONJUNCTION WITH STRUCTURAL,
- 2. TO BE READ IN CONJUNCTION WITH STRUCTURAL,
  MECHANICAL AND ELECTRICAL DWGS FOR ROOF
  OPENINGS AND PENETRATIONS.
- INCLUDE RE-ROOFING FOR ADDITIONAL 10 M&E SERVICE PIPE PENETRATIONS THROUGH EXISTING ROOF.
   INSTALL ROOF RECEPTACLES AND PRE-FABRICATED
- INSTALL ROOF RECEPTACLES AND PRE-FABRICATED WEATHERPROOF MEATL COVER FOR CONDUITS AND REFRIGERANT PENETRATION WITH LIQUID FLASHING. OVERLAP 600mm MIN. OVER EXISTING ROOFING.
   COORDINATE WITH STRUCTURAL DWGS FOR NEW RTU
- COORDINATE WITH STRUCTURAL DWGS FOR NEW R LOCATIONS AND SUPPORTS REQUIRED FOR NEW OPENINGS.

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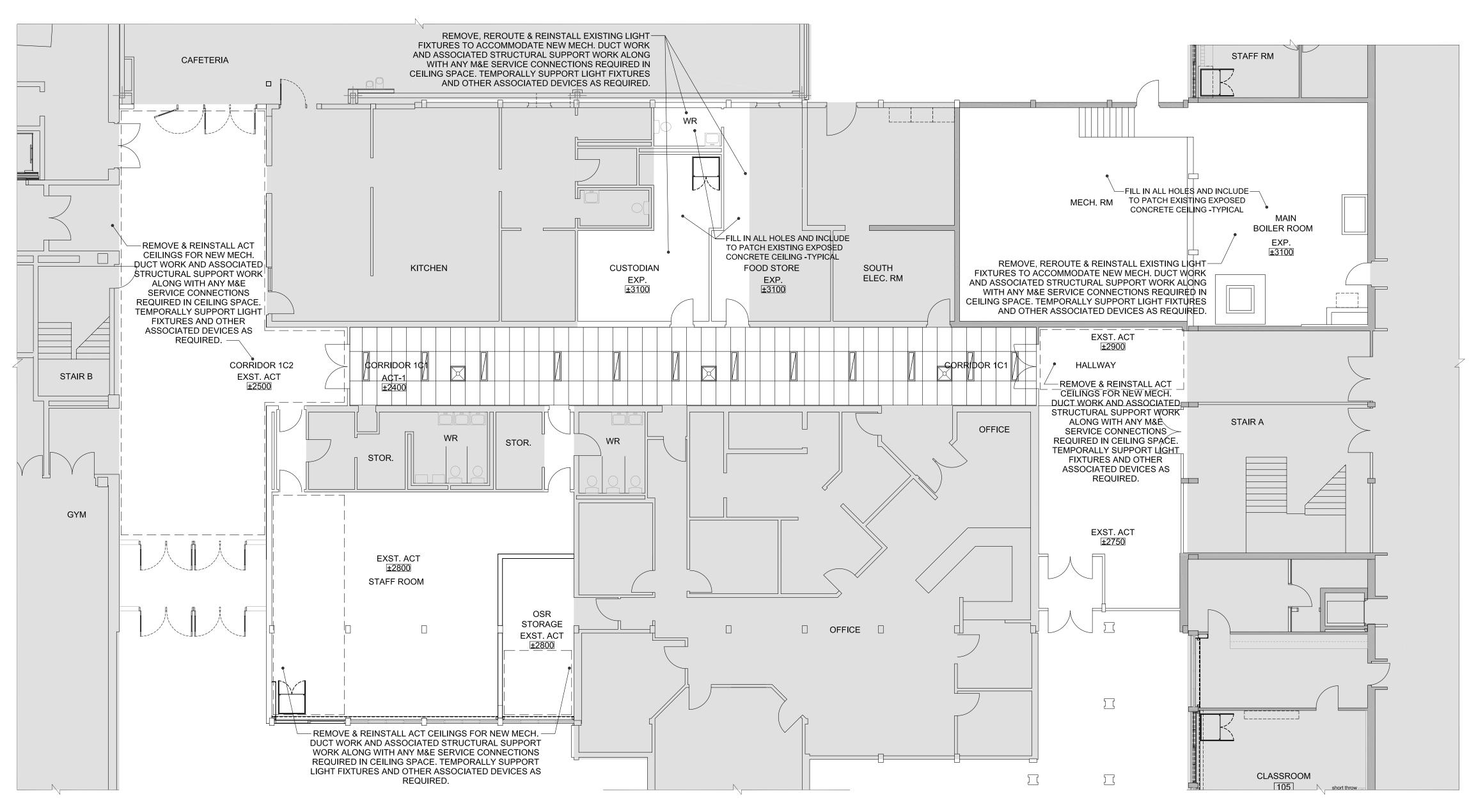
Drawings shall not be used for construction purposes until issued by the

Drawing Title:

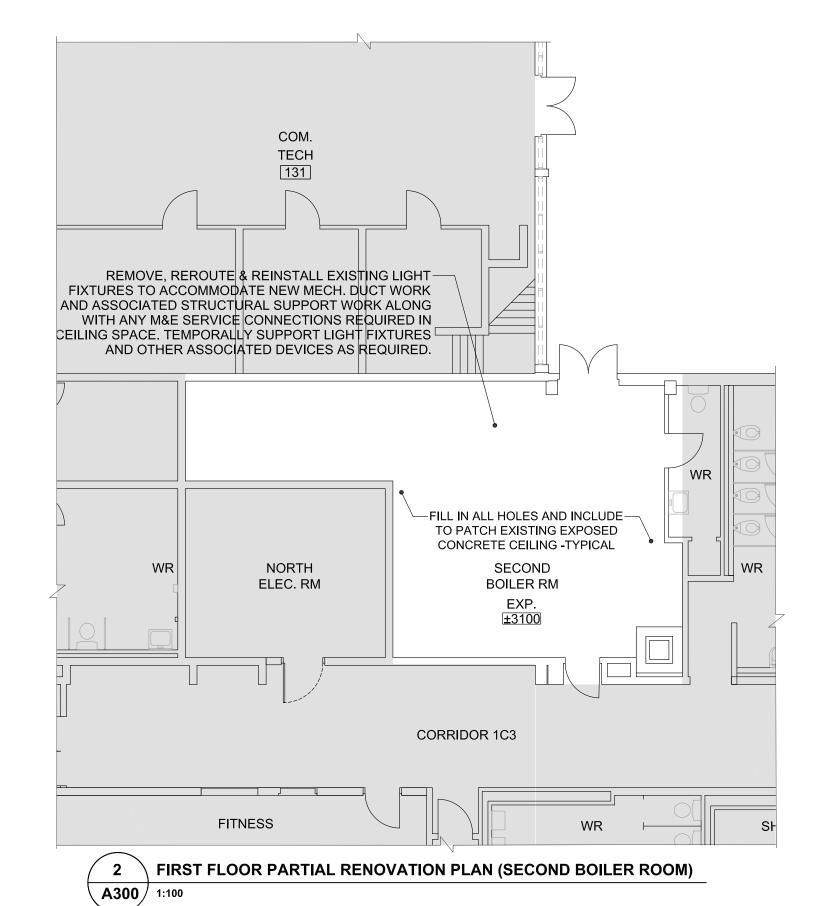
Architect for construction.

## ROOF PARTIAL RENOVATION PLAN

TILITO VICTORIA EXTRA				
1:100	Date:	09/09/2024		
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2323-2		A 203		
	1:100 MS	1:100 Date:  MS Checked b  Drawing N		



1 FIRST FLOOR PARTIAL RENOVATION PLAN (BOILER RM, CUSTODIAN RM, CORRIDORS AND STAFF RM)
A300 1:100



**CEILING NOTES:** 1. INFORM ARCHITECT SITE CONDITIONS VARIED FROM DRAWING. CHECK FOR INTERFERENCE AND REVIEW CEILING HEIGHTS BEFORE INSTALLATION. INSTALL MECHANICAL UNITS, DUCTS & PIPING TIGHT TO UNDERSIDE OF SLAB. INSTALL CEILING AS HIGH AS POSSIBLE. IN AREAS WITH EXPOSED STRUCTURE, DUCTS / PIPES AND CONDUITS SHALL BE MOUNTED TIGHT TO U/S OF SLAB OR DECK, ROUTED PARALLEL AND PERPENDICULAR TO WALLS. 2. PRIME & PAINT ALL GYPSUM BOARD SURFACES. 3. PRIME & PAINT ALL EXPOSED STRUCTURE, DUCTS, PIPES & CONDUITS, 4. PROVIDE SHADOW MOLDING TYP. REFER TO TYPICAL DETAIL. 5. REFER TO TYPICAL DETAIL FOR DETAILS AT CEILING @ WINDOW 6. PROVIDE METAL REVEAL TYP.FOR LOCATIONS OF DIFFUSERS,AIR GRILLES, SPEAKERS & EXIT LIGHTS, REFER TO MECHANICAL & ELEC. 7. INSTALL FIRE & SAFETY DEVICES IN CORRIDOR CEILING AS PER M&E DRAWING.

REFLECTED CEILING PLAN LEGEND

ACOUSTIC CEILING TILE (ACT)

**EXPOSED CEILING** 

GYPSUM BOARD CEILING (GB-CLG)

#### AFF

GB

LIGHT FIXTURES:

MECH. FIXTURES:

#### AFF

Halton District School Board

2050 Guelph Line Burlington, Ontario

#### NELSON HIGH SCHOOL BOILER REPLACEMENT

4181 NEW STREET Burlington, Ontario

Architect

#### sn/d

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#### Consultants

Mechanical and Electrical Consultants

RDZ Engineering Ltd

30 Pennsylvania Avenue, Unit 17A

Vaughan, Ontario, L4K 4A5

Tel: 416-317-8804

Structural Consultants **Kalos Engineering Inc.**300 York Boulevard,
Hamilton, Ontario, L8R 3K6
Tel: 905-333-9119

#### Key Plan N.T.S.



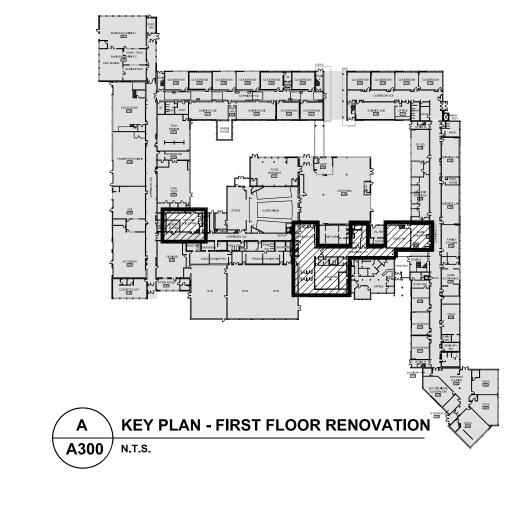
Project North True North

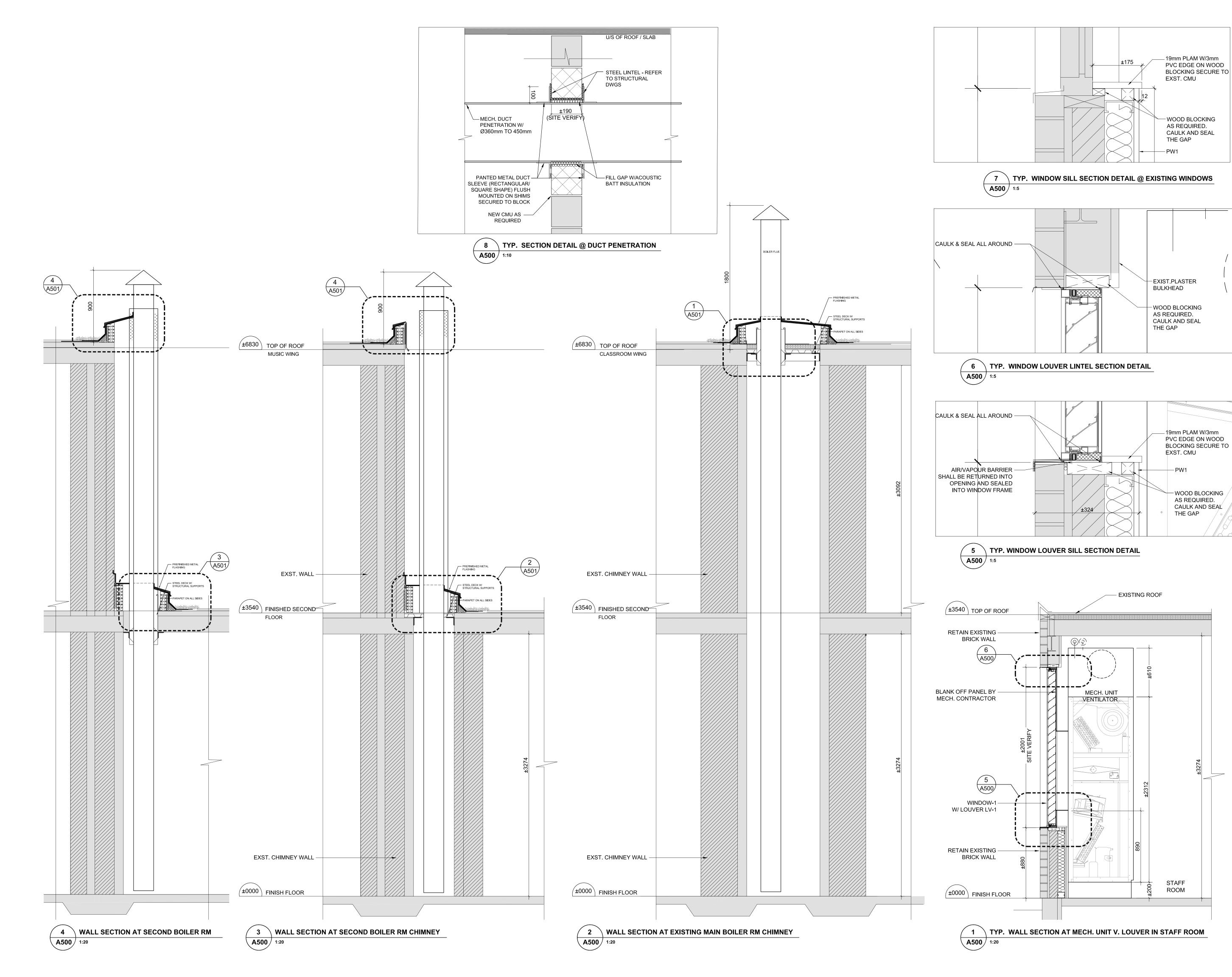
No. Revisions Date

2	ISSUED FOR CONSTRUCTION	2025 03 19	
1	ISSUED FOR PERMIT & PRICING	2024 10 30	
No.	Issue	Date	
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# Drawing Title: FIRST FLOOR PARTIAL REFLECTED CEILING PLAN

2323-2			4 300
Job No.		Drawing I	No.
Drawn by:	MS	Checked	by:
Scale:	1:100	Date:	09/09/2024





Halton District School Board

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> Structural Consultants Kalos Engineering Inc. 3oo York Boulevard, Hamilton, Ontario, L8R 3K6 Tel: 905-333-9119



WOOD BLOCKING AS REQUIRED.

Key Plan N.T.S.



True North Project North No. Revisions Date

2025 03 19 2 ISSUED FOR CONSTRUCTION 1 ISSUED FOR PERMIT & PRICING 2024 10 30

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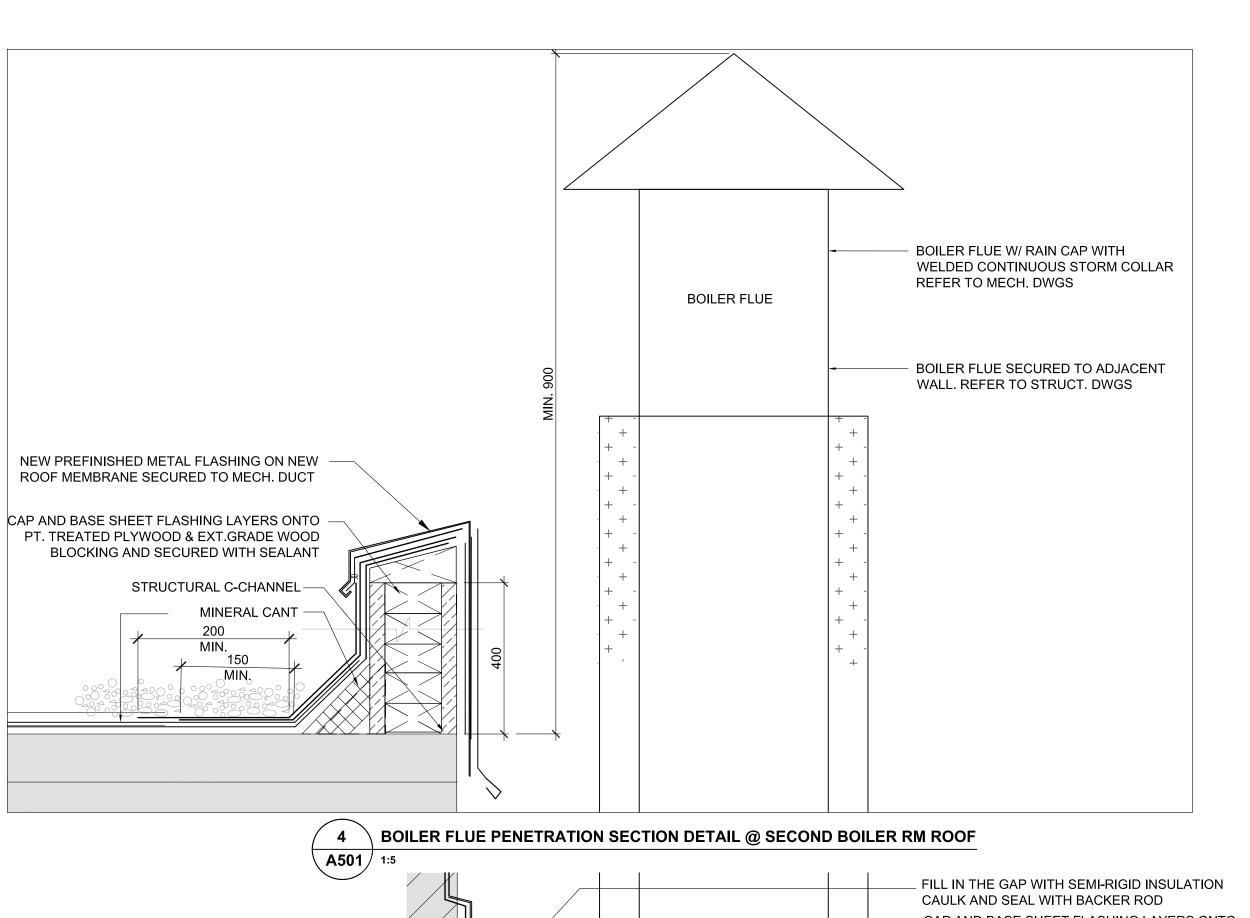
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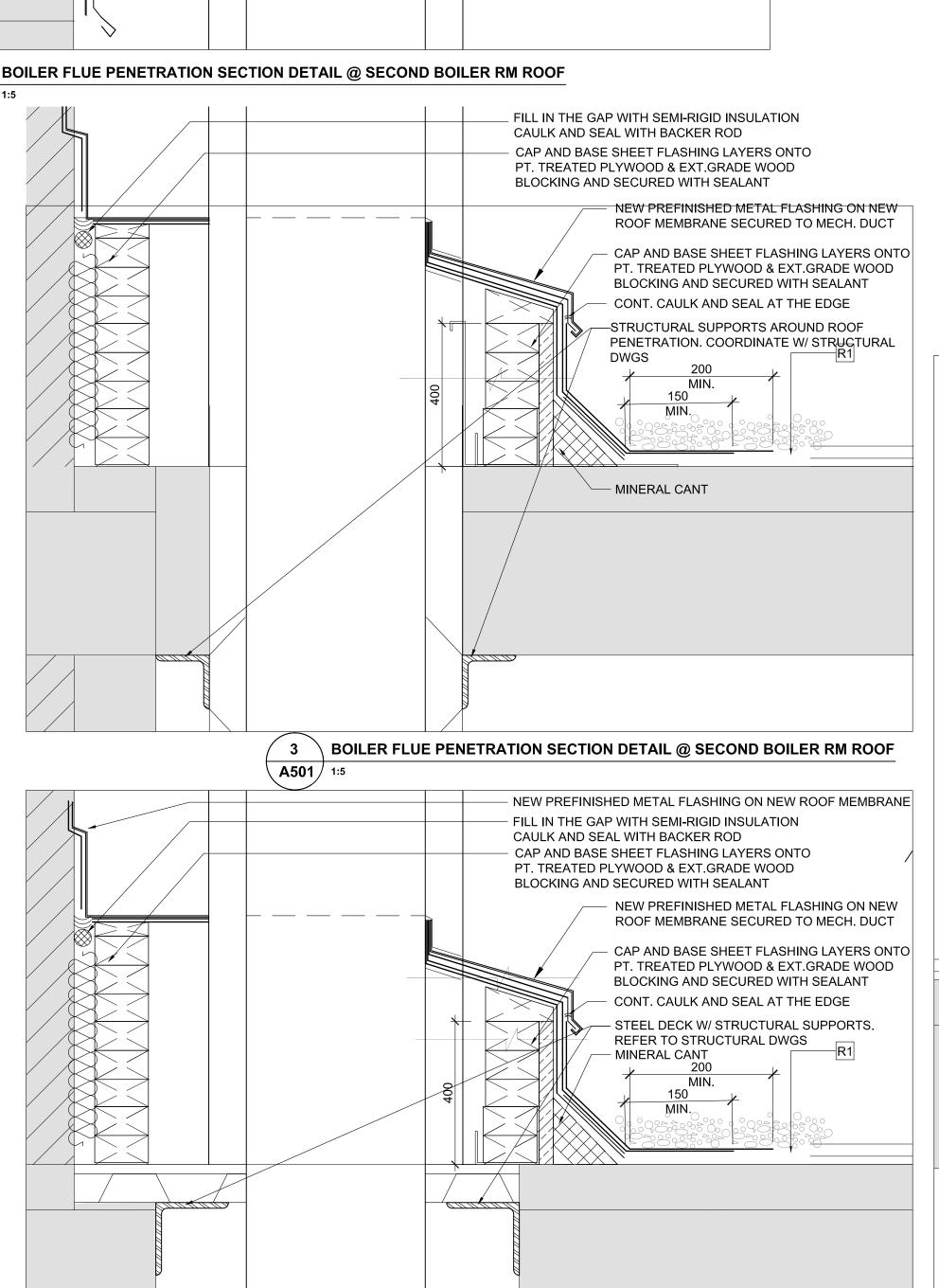
#### WALL SECTIONS AND **DETAILS**

AS NOTED Date: 09/09/2024 Drawn by: MS Checked by:

2323-2

A 500

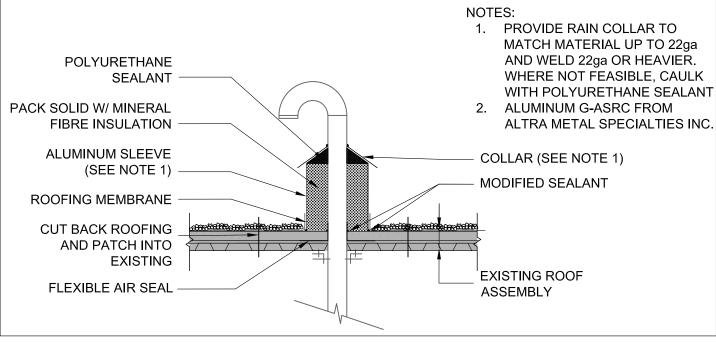




A501 / 1:5

BOILER FLUE PENETRATION SECTION DETAIL @ SECOND BOILER RM ROOF

- 38X610X610mm CONC. PAVER - 50mm RIGID INS-RB-2 W/ SAWCUT @150mm O.C. EXISTING ROOF ASSEMBLY



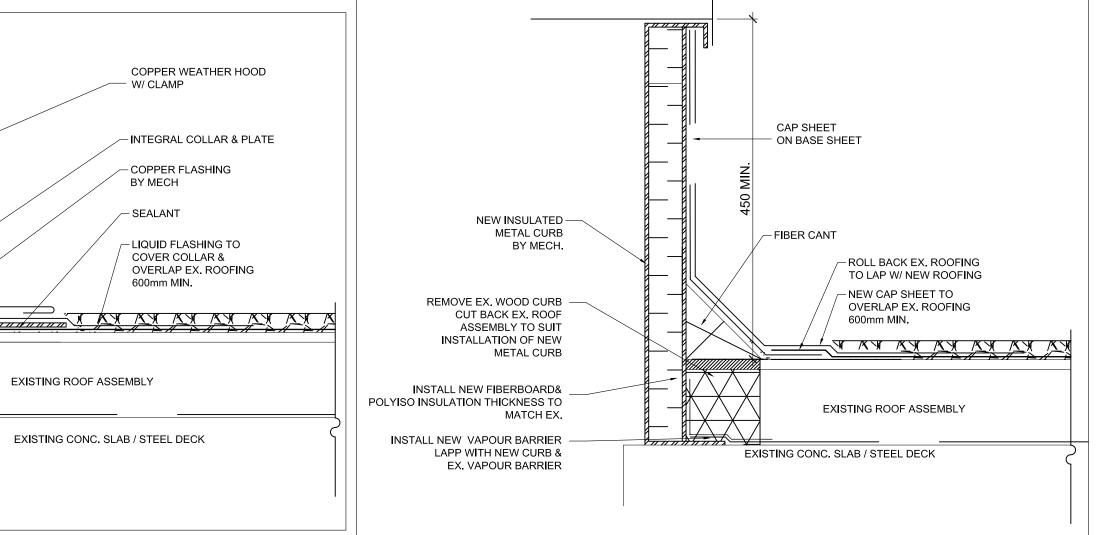
ROOF SECTION DETAIL @ CONCRETE PAVER **A501** 1:5

A501 / 1:5

REFER TO MECH DETAIL -

FOR SLEEVES

**ROOF SECTION DETAIL @ GOOSE NECK A501** 1:20



igwedge 8 igwedge ROOF SECTION DETAIL @ PIPE PENETRATION ROOF SECTION DETAIL @ METAL CURB A501 / 1:5

COPPER WEATHER HOOD

─ INTEGRAL COLLAR & PLATE

- COPPER FLASHING

- LIQUID FLASHING TO

OVERLAP EX. ROOFING

COVER COLLAR &

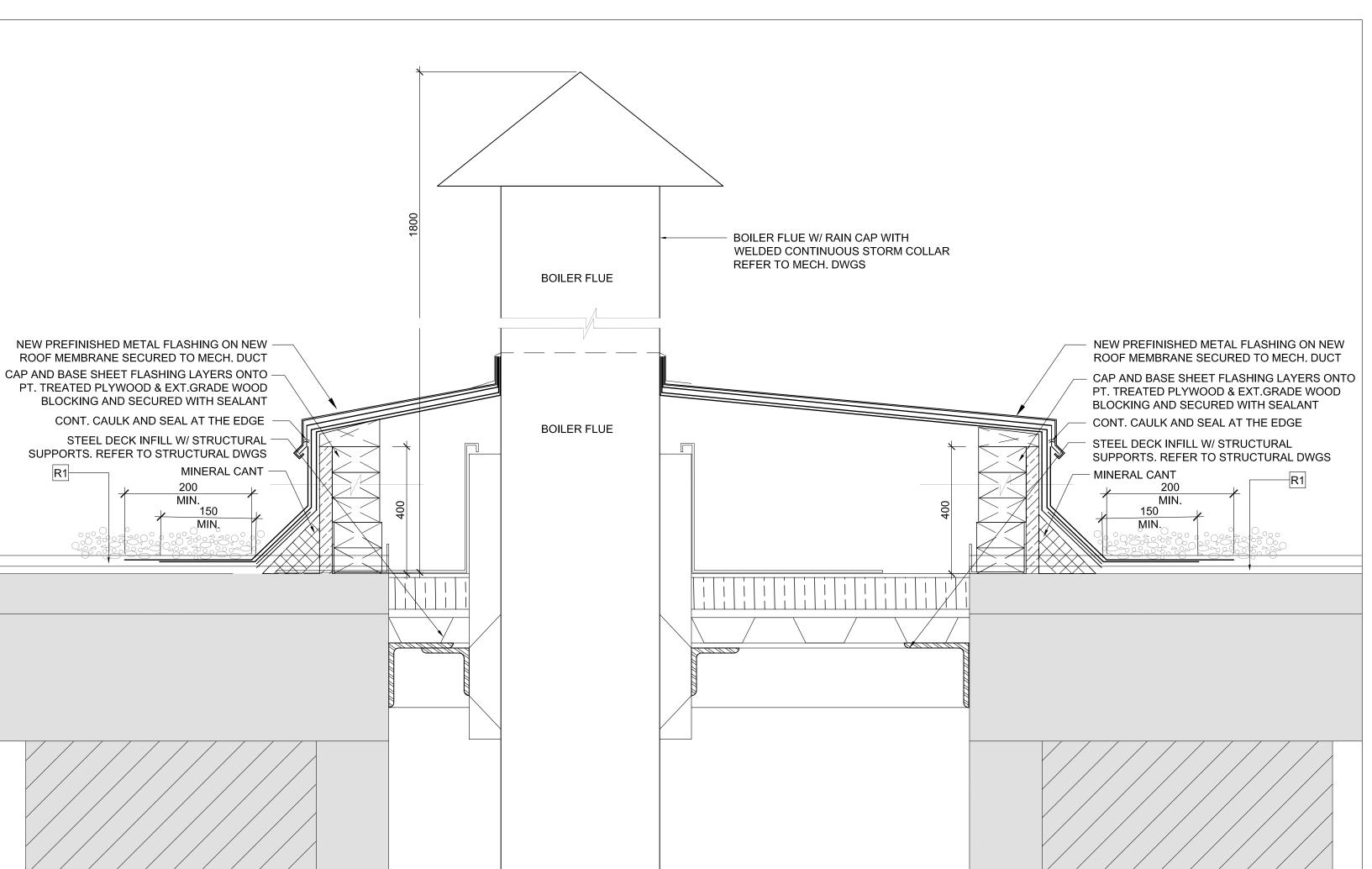
BY MECH

∕-- SEALANT

600mm MIN.

EXISTING ROOF ASSEMBLY

EXISTING CONC. SLAB / STEEL DECK



BOILER FLUE PENETRATION SECTION DETAIL @ MAIN BOILER RM ROOF

Halton District School Board

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**NELSON HIGH SCHOOL BOILER REPLACEMENT** 

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> > Architect

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Consultants

Mechanical and Electrical Consultants RDZ Engineering Ltd 30 Pennsylvania Avenue, Unit 17A

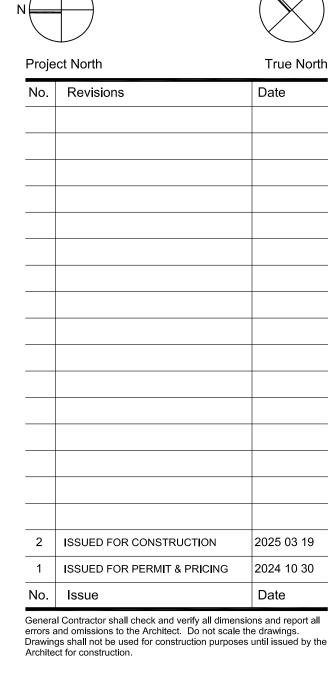
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Key Plan N.T.S.



Drawing Title:

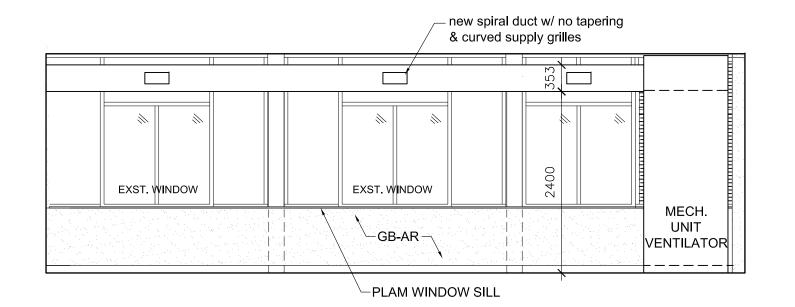
SECTIONS AND TYP. SECTION DETAILS

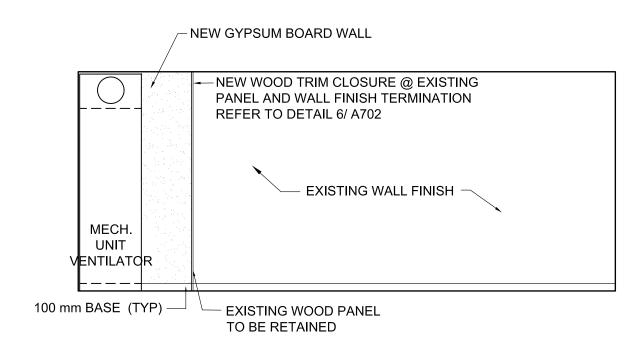
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2323-2

A 501

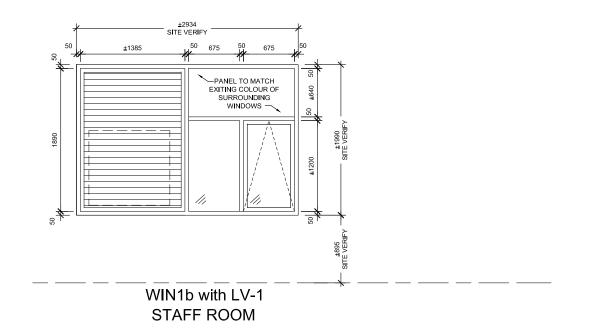
A501 1:5











#### **GENERAL NOTES:**

- 1. ALL WINDOW OPENING SIZES TO BE SITE VERIFIED PRIOR TO MANUFACTURING.
- 2. ALL GLAZING ASSEMBLIES WITH SILL BELOW 1070mm FROM FINISHED FLOOR LEVEL, TO BE DESIGNED AS GUARD, PER OBC.
- 3. ALL EXTERIOR WINDOWS GLAZING, TO BE SEALED INSULATED GLASS UNIT 'SG-A' UNLESS NOTED OTHERWISE.
- 4. OPERABLE SASH TRAVEL RESTRICTED, NOT TO PROJECT BEYOND FACE OF THE WALL.
- 5. ALL INDICATED LOUVERS (L-01 TO L-04) BE SUPPLIED AND INSTALLED AS A PART OF WINDOW ASSEMBLY.



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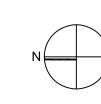
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Drawing Title:

#### INTERIOR ELEVATIONS AND WINDOW TYPE

2323-2