Montague Consolidated School

PEI Department of Transportation & Infrastructure

622 Princess Drive
Montague, PE
C0A 1R0

DTI Project No.: 370-20030

CONTRACT #1
ROOF REPLACEMENT

C#1 ARCHITECTURAL

A1-001 Context Plan & Project Info
A1-101 Roof Demolition Plan
A1-102 Roof Demolition Plan
A1-103 New Roof Plan
A1-104 New Roof Plan
A1-800 Roof Details

PRELIMINARY ONLY NOT FOR CONSTRUCTION

COLES
Architecture + Engineering + Project Management

Suite 201, 85 Fitzroy Street
Charlottetown, P.E.I., Canada, C1A 1R6
Phone: (902) 368-2300
www.colesassoicates.com

ARCHITECTS ASSOCIATION 19-12 CERTIFICATE of PRACTICE Scott Daniel MacNeill Coles Associates Ltd. AAPEI of PRINCE EDWARD ISLAND #201104. MAY 6/21

Client
PEI Department of Transportation & Infrastructure

Project Title
Montague Consolidated School
622 Princess Drive
Montague, PE
C0A 1R0

DTI Project No.: 370-20030

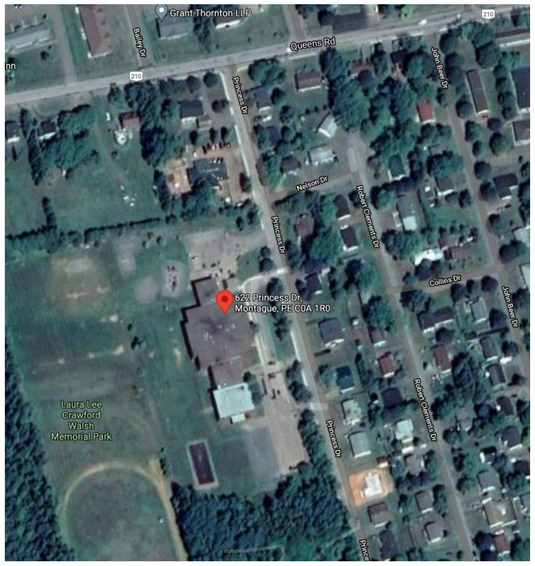
Sheet Title
Contract #1 Cover Page

No.	Description	Date
0	Issued for Tender	2021-05-06

Date: May 6, 2021
Drn By: JDA
Chk By:: SDM
Revision 0
Project Number: 201104
Drawing Number: A1-000

THIS DRAWING AND ALL COPYRIGHT THEREIN ARE THE SOLE AND EXCLUSIVE PROPERTY OF COLES ASSOCIATES LTD.

REPRODUCTION OR USE OF THIS DRAWING IN WHOLE OR IN PART BY ANY FORM WHATSOEVER WITHOUT THE PRIOR WRITTEN CONSENT OF COLES ASSOCIATES LTD. IS STRICTLY PROHIBITED.



Context Plan
1 : 2000

PROJECT INFORMATION:

ADDRESS: 622 PRINCESS DRIVE
MUNICIPALITY: TOWN OF THREE RIVERS
ZONING: G1 GOVERNMENT AND INSTITUTIONAL

GROSS AREA LEVEL 1: 3134m²
GROSS AREA LEVEL 2: 2558m²

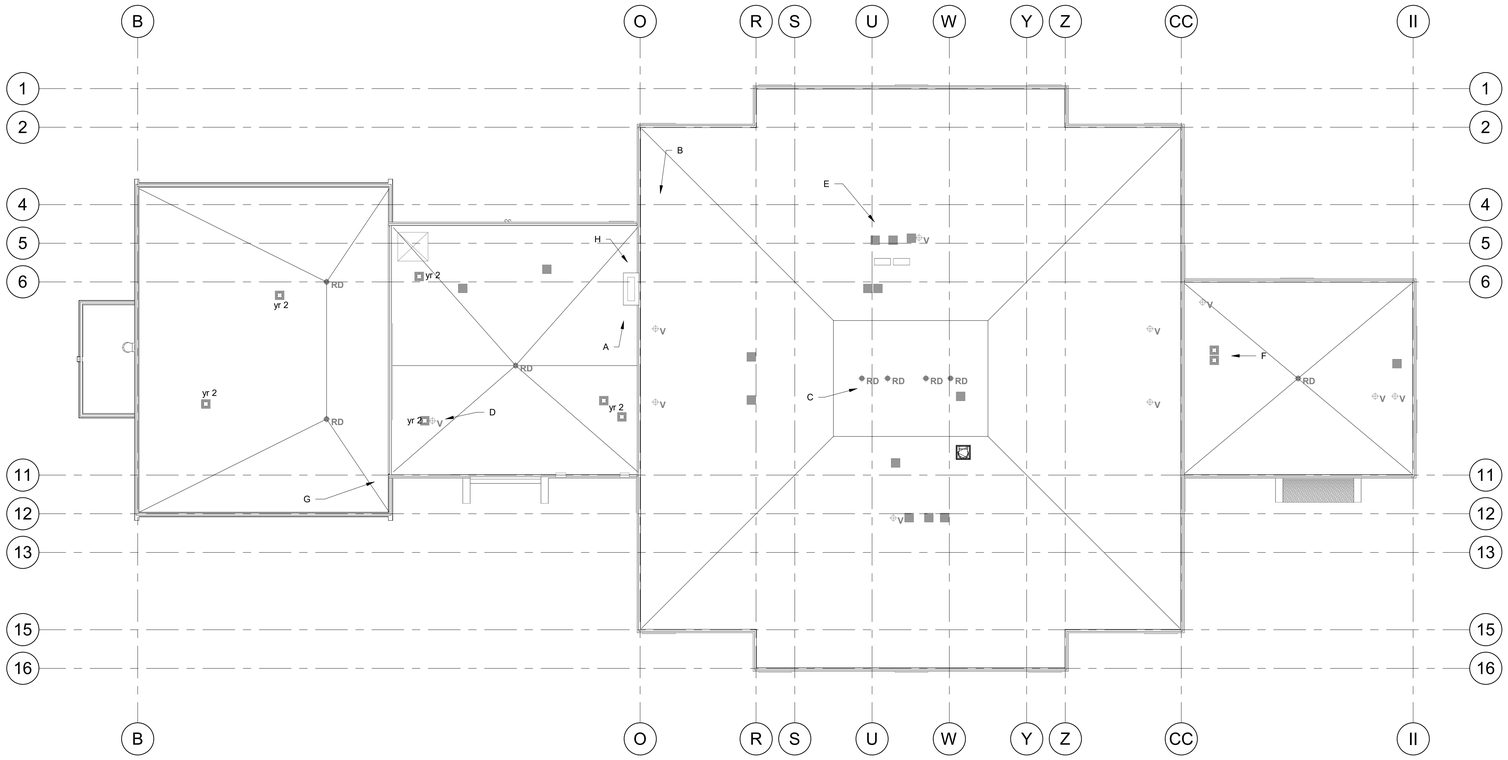
TOTAL: 5692m²

GENERAL NOTES:

1. VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE CONSULTANT BEFORE PROCEEDING WITH THE WORK.
2. THE WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA (NBCC 2015) & CSA B651-18 UNLESS OTHERWISE NOTED ON THE DRAWINGS.
3. COMPLY WITH WILL LOCAL, MUNICIPAL AND PROVINCIAL BY-LAWS AND REGULATIONS.
4. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO EXCAVATION.
5. BENCH MARKS TO BE ESTABLISHED BY CONTRACTORS.
6. ALL PENETRATIONS IN RATER PARTITIONS AND/OR FLOOR ASSEMBLIES FOR PLUMBING, DUCTING OR ELECTRICAL ARE TO BE SEALED. FIRE STOP IN ACCORDANCE WITH WALL AND/OR FLOOR TYPES. SUBMIT ULC DETAILS AND MATERIALS DURING SHOP DRAWING PROCESS FOR REVIEW PRIOR TO INSTALLATION.

ROOF TYPE SCHEDULE

TYPE	DESCRIPTION	REMARKS
R1	- NEW 2 PLY SBS MEMBRANE (LIGHT GRAY) - NEW 6mm PROTECTION BOARD - NEW 165mm RIGID INSULATION (MIN. R37.5) - 2 PLY MOPPED VAPOUR BARRIER (EXISTING) - WOOD DECK (EXISTING) - STRUCTURE (EXISTING)	EXISTING BUILT UP ROOF LOCATIONS
R2	- NEW 2 PLY SBS MEMBRANE (LIGHT GRAY) - NEW 6mm PROTECTION BOARD - NEW 90mm RIGID INSULATION (R21) REFER TO ROOF PLAN FOR TAPERED INSULATION, MECHANICALLY ATTACHED - 75mm RIGID INSULATION, R18 (EXISTING) - 2 PLY MOPPED VAPOUR BARRIER (EXISTING) - WOOD DECK (EXISTING) - STRUCTURE (EXISTING)	EXISTING SBS ROOF LOCATIONS



A

B

C

D

E

F

G

H

EXISTING PICTURES

PROJECT NORTH

1 / A1-001 OVERALL ROOF PLAN
1 : 200

COLES
Architecture + Engineering + Project Management
Suite 201, 85 Fitzroy Street
Charlottetown, P.E.I., Canada, C1A 1R6
Phone: (902) 368-2300
www.colesassocates.com

ARCHITECTS ASSOCIATION 19-12 CERTIFICATE of PRACTICE Scott Daniel MacNeill Coles Associates Ltd. AAPEI OF PRINCE EDWARD ISLAND #201104. MAY 6/21

Client
PEI Department of Transportation & Infrastructure

Project Title
Montague Consolidated School

622 Princess Drive
Montague, PE
C0A 1R0

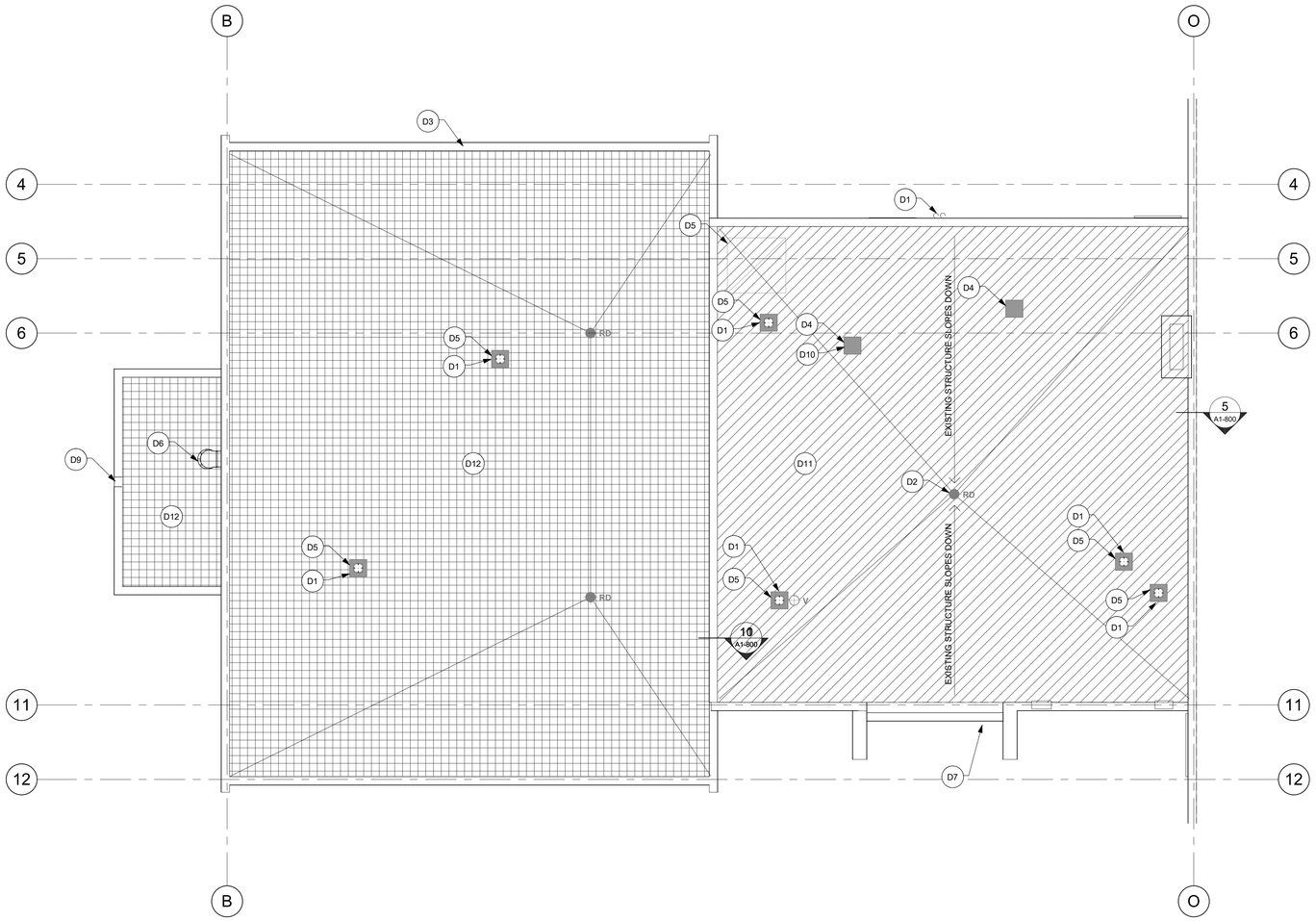
DTI Project No.: 370-20030

Sheet Title
Context Plan & Project Info

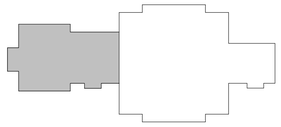
No.	Description	Date
0	Issued for Tender	2021-05-06

Date: May 6, 2021
Drn By: JDA
Chk By: SDM
Revision 0
Project Number: 201104
Drawing Number: A1-001

THIS DRAWING AND ALL COPYRIGHT THEREIN ARE THE SOLE AND EXCLUSIVE PROPERTY OF COLES ASSOCIATES LTD. REPRODUCTION OR USE OF THIS DRAWING IN WHOLE OR IN PART BY ANY FORM WHATSOEVER WITHOUT THE PRIOR WRITTEN CONSENT OF COLES ASSOCIATES LTD. IS STRICTLY PROHIBITED.



1 / A1-101 ROOF DEMOLITION PLAN - PARTIAL
1 : 100



KEY PLAN

ROOF PLAN LEGEND:

- RD — EXISTING ROOF DRAIN
- V — EXISTING VENT STACK
- EXISTING EXHAUST VENT
- EXISTING, PREVIOUSLY CAPPED EXHAUST VENT
- EXISTING AIR SOURCE HEAT PUMPS
- EXISTING BUILT UP ROOF ASSEMBLY
- EXISTING 2 PLY SBS ROOFING
- RD — NEW ROOF DRAIN WITH 1220x1220 SUMP WITH 2% SLOPE
- EXISTING ROOF SLOPE TO REMAIN
- 2% MIN. — NEW ROOF SLOPE

CONTRACT #1 DEMO NOTES	
D1	TRACE OUT, DISCONNECT AND CAP EXISTING ELECTRICAL BRANCH CIRCUIT ASSOCIATED WITH ROOFTOP EQUIPMENT. LOCK OUT / TAG OUT BREAKER AND STORE ASSOCIATED DISCONNECT FOR FUTURE REINSTALLATION.
D2	REMOVE ROOF DRAIN AND REPLACE WITH NEW, TYP.
D3	REMOVE CAP FLASHING AND TRIM, TYP.
D4	REMOVE MECHANICAL EQUIPMENT
D5	REMOVE MECHANICAL EQUIPMENT AND RE-INSTALL
D6	REMOVE VERTICAL LADDER AND RE-INSTALL
D7	ROOF TO REMAIN
D8	TYP. SHINGLES OVER WINDOWS TO REMAIN
D9	EXISTING SCUPPER TO BE REMOVED
D10	TRACE OUT, DISCONNECT AND REMOVE ALL ELECTRICAL ASSOCIATED WITH ROOFTOP EQUIPMENT BACK TO SOURCE.
D11	TYPICAL R1 ROOF DEMO. REFER TO DETAIL 1/A1-800.
D12	TYPICAL R2 ROOF DEMO. REFER TO DETAIL 2/A1-800.

PROJECT NORTH

COLES
Architecture + Engineering + Project Management
Suite 201, 85 Fitzroy Street
Charlottetown, P.E.I., Canada, C1A 1R6
Phone: (902) 368-2300
www.colesassocates.com

ARCHITECTS ASSOCIATION 19-12 CERTIFICATE of PRACTICE Scott Daniel MacNeill Coles Associates Ltd. AAPEI OF PRINCE EDWARD ISLAND #201104. MAY 6/21

Client
PEI Department of Transportation & Infrastructure

Project Title
Montague Consolidated School

622 Princess Drive
Montague, PE
C0A 1R0

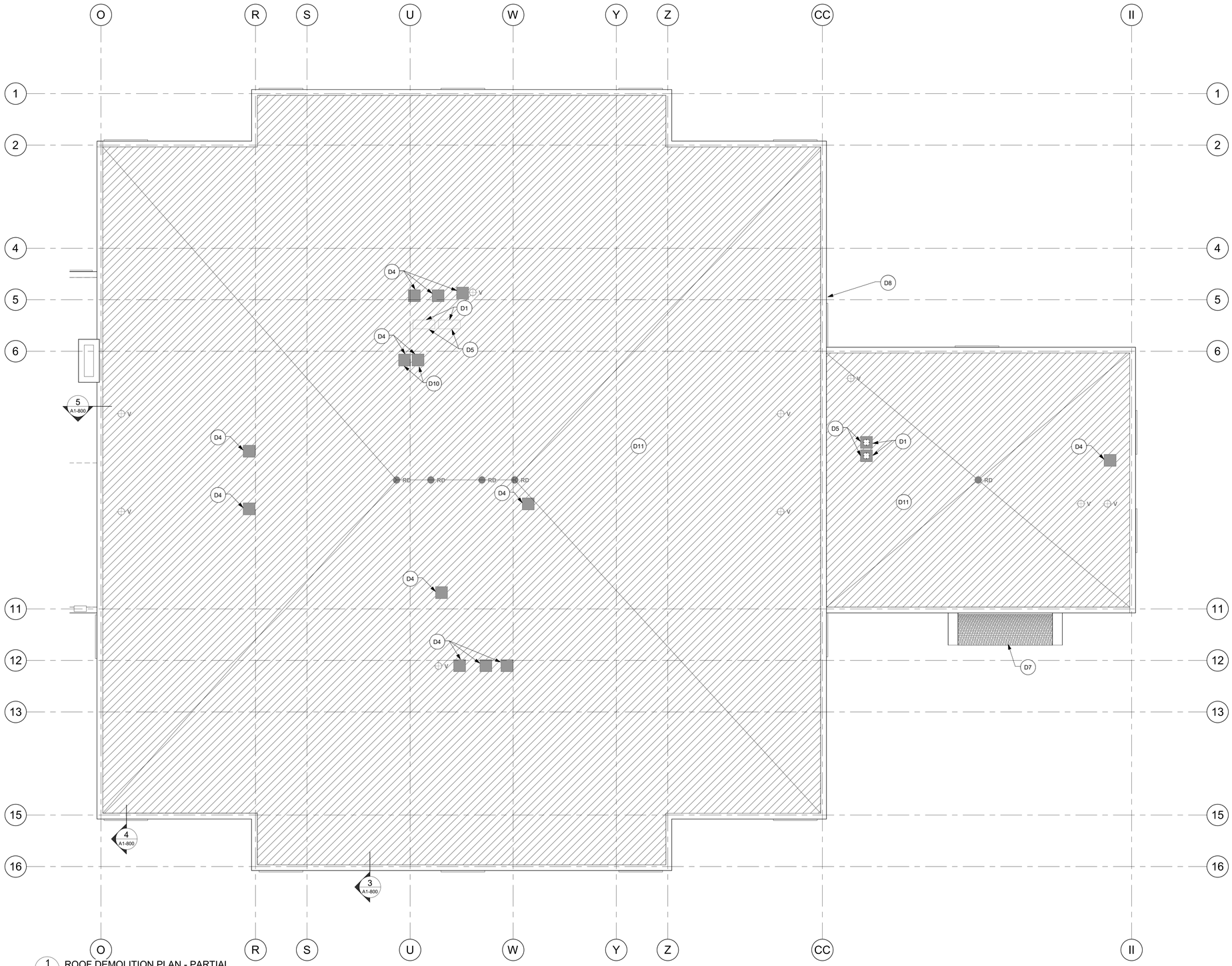
DTI Project No.: 370-20030

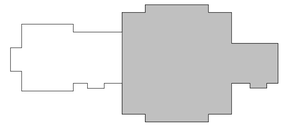
Sheet Title
Roof Demolition Plan

No.	Description	Date
0	Issued for Tender	2021-05-06

Date: May 6, 2021
Drn By: JDA
Chk By: SDM
Revision: 0
Project Number: 201104
Drawing Number: A1-101

THIS DRAWING AND ALL COPYRIGHT THEREIN ARE THE SOLE AND EXCLUSIVE PROPERTY OF COLES ASSOCIATES LTD. REPRODUCTION OR USE OF THIS DRAWING IN WHOLE OR IN PART BY ANY FORM WHATSOEVER WITHOUT THE PRIOR WRITTEN CONSENT OF COLES ASSOCIATES LTD. IS STRICTLY PROHIBITED.





KEY PLAN

ROOF PLAN LEGEND:

- RD — EXISTING ROOF DRAIN
- V — EXISTING VENT STACK
- EXISTING EXHAUST VENT
- EXISTING, PREVIOUSLY CAPPED EXHAUST VENT
- EXISTING AIR SOURCE HEAT PUMPS
- EXISTING BUILT UP ROOF ASSEMBLY
- EXISTING 2 PLY SBS ROOFING
- RD — NEW ROOF DRAIN WITH 1220x1220 SUMP WITH 2% SLOPE
- EXISTING ROOF SLOPE TO REMAIN
- 2% MIN. — NEW ROOF SLOPE

CONTRACT #1 DEMO NOTES	
D1	TRACE OUT, DISCONNECT AND CAP EXISTING ELECTRICAL BRANCH CIRCUIT ASSOCIATED WITH ROOFTOP EQUIPMENT. LOCK OUT / TAG OUT BREAKER AND STORE ASSOCIATED DISCONNECT FOR FUTURE REINSTALLATION.
D2	REMOVE ROOF DRAIN AND REPLACE WITH NEW, TYP.
D3	REMOVE CAP FLASHING AND TRIM, TYP.
D4	REMOVE MECHANICAL EQUIPMENT
D5	REMOVE MECHANICAL EQUIPMENT AND RE-INSTALL
D6	REMOVE VERTICAL LADDER AND RE-INSTALL
D7	ROOF TO REMAIN
D8	TYP. SHINGLES OVER WINDOWS TO REMAIN
D9	EXISTING SCUPPER TO BE REMOVED
D10	TRACE OUT, DISCONNECT AND REMOVE ALL ELECTRICAL ASSOCIATED WITH ROOFTOP EQUIPMENT BACK TO SOURCE.
D11	TYPICAL R1 ROOF DEMO. REFER TO DETAIL 1/A1-800.
D12	TYPICAL R2 ROOF DEMO. REFER TO DETAIL 2/A1-800.

PROJECT NORTH

1 / A1-102 ROOF DEMOLITION PLAN - PARTIAL
1 : 100

COLES
Architecture + Engineering + Project Management
Suite 201, 85 Fitzroy Street
Charlottetown, P.E.I., Canada, C1A 1R6
Phone: (902) 368-2300
www.colesassociates.com

ARCHITECTS ASSOCIATION 19-12 CERTIFICATE of PRACTICE Scott Daniel MacNeill Coles Associates Ltd. AAPEI PROVINCE EDWARD ISLAND #201104. MAY 6/21

Client: PEI Department of Transportation & Infrastructure

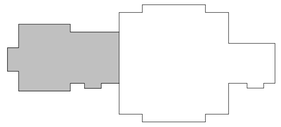
Project Title: Montague Consolidated School
622 Princess Drive
Montague, PE
C0A 1R0
DTI Project No.: 370-20030

Sheet Title: Roof Demolition Plan

No.	Description	Date
0	Issued for Tender	2021-05-06

Date: May 6, 2021
Dm By: JDA
Chk By: SDM
Revision: 0
Project Number: 201104
Drawing Number: A1-102

THIS DRAWING AND ALL COPYRIGHT THEREIN ARE THE SOLE AND EXCLUSIVE PROPERTY OF COLES ASSOCIATES LTD. REPRODUCTION OR USE OF THIS DRAWING IN WHOLE OR IN PART BY ANY FORM WHATSOEVER WITHOUT THE PRIOR WRITTEN CONSENT OF COLES ASSOCIATES LTD. IS STRICTLY PROHIBITED.

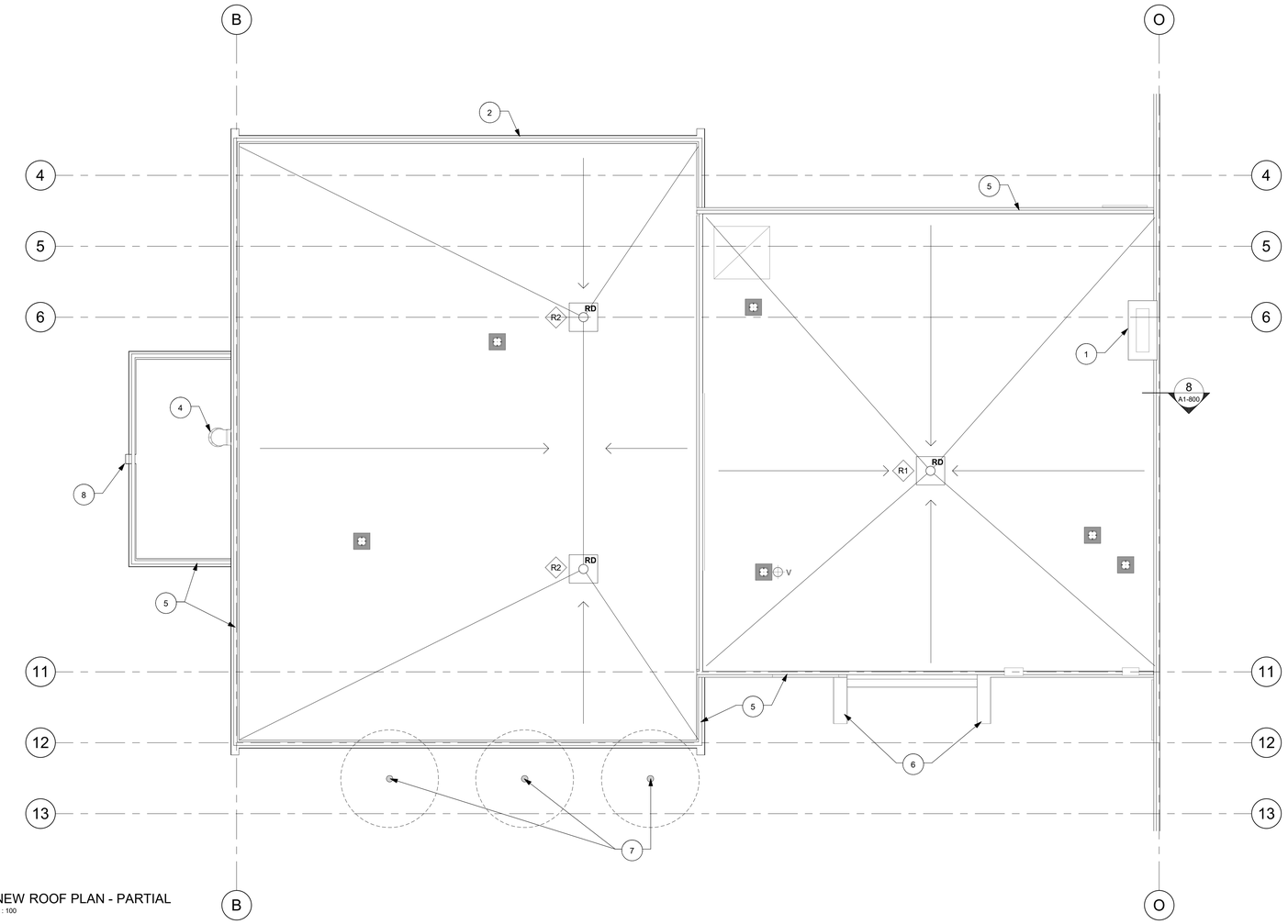


KEY PLAN

ROOF PLAN LEGEND:

- RD — EXISTING ROOF DRAIN
- V — EXISTING VENT STACK
- EXISTING EXHAUST VENT
- EXISTING, PREVIOUSLY CAPPED EXHAUST VENT
- EXISTING AIR SOURCE HEAT PUMPS
- EXISTING BUILT UP ROOF ASSEMBLY
- EXISTING 2 PLY SBS ROOFING
- RD — NEW ROOF DRAIN WITH 1220x1220 SUMP WITH 2% SLOPE
- EXISTING ROOF SLOPE TO REMAIN
- 2% MIN. — NEW ROOF SLOPE

ROOF NOTES	
1	WRAP EXISTING CHIMNEY WITH NEW PRE-FINISHED SHEET METAL
2	NEW CAP FLASHING, TYP.
3	NEW ROOF HATCH. LADDER BY OTHERS.
4	EXISTING LADDER RE-INSTALLED
5	NEW PARAPET
6	RE FLASH FIN WALLS @ EXISTING HEIGHT
7	TRIM 3 EXISTING TREES TO CLEAR ROOF. PRIOR TO DOING WORK DISCUSS WITH OWNER AND CONSULTANT. VERIFY ON SITE FOR CURRENT CONDITIONS.
8	NEW SCUPPER BOX & DOWNSPOUT. PROVIDE SPLASH PAD @ GRADE
9	REINSTALL ELECTRICAL DISCONNECT SWITCH AND RECONNECT TO EXISTING CAPPED BRANCH CIRCUIT



1 / A1-103 NEW ROOF PLAN - PARTIAL
1 : 100

PROJECT NORTH

COLES
Architecture + Engineering + Project Management

Suite 201, 85 Fitzroy Street
Charlottetown, P.E.I., Canada, C1A 1R6
Phone: (902) 368-2300
www.colesassoicates.com

ARCHITECTS ASSOCIATION 19-12 CERTIFICATE of PRACTICE Scott Daniel MacNeill Coles Associates Ltd. AAPEI OF PRINCE EDWARD ISLAND #201104. MAY 6/21

Client
PEI Department of Transportation & Infrastructure

Project Title
Montague Consolidated School

622 Princess Drive
Montague, PE
C0A 1R0

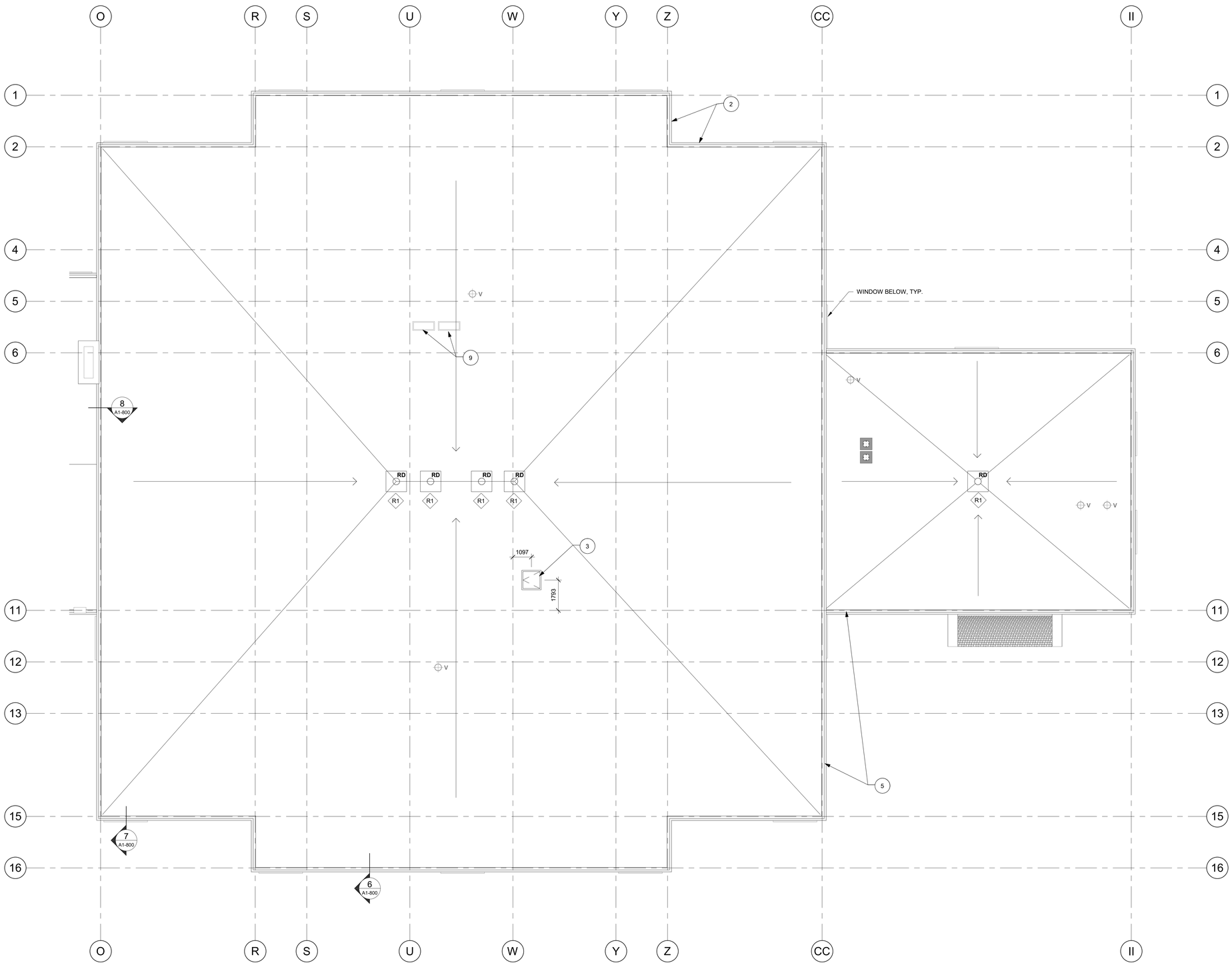
DTI Project No.: 370-20030

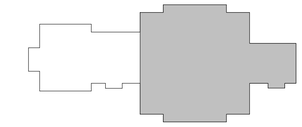
Sheet Title
New Roof Plan

No.	Description	Date
0	Issued for Tender	2021-05-06

Date: May 6, 2021
Drn By: JDA
Chk By: SDM
Revision: 0
Project Number: 201104
Drawing Number: A1-103

THIS DRAWING AND ALL COPYRIGHT THEREIN ARE THE SOLE AND EXCLUSIVE PROPERTY OF COLES ASSOCIATES LTD. REPRODUCTION OR USE OF THIS DRAWING IN WHOLE OR IN PART BY ANY FORM WHATSOEVER WITHOUT THE PRIOR WRITTEN CONSENT OF COLES ASSOCIATES LTD. IS STRICTLY PROHIBITED.





KEY PLAN

ROOF PLAN LEGEND:

- RD — EXISTING ROOF DRAIN
- V — EXISTING VENT STACK
- EXISTING EXHAUST VENT
- EXISTING, PREVIOUSLY CAPPED EXHAUST VENT
- EXISTING AIR SOURCE HEAT PUMPS
- EXISTING BUILT UP ROOF ASSEMBLY
- EXISTING 2 PLY SBS ROOFING
- RD — NEW ROOF DRAIN WITH 1220x1220 SUMP WITH 2% SLOPE
- EXISTING ROOF SLOPE TO REMAIN
- 2% MIN. — NEW ROOF SLOPE

ROOF NOTES	
1	WRAP EXISTING CHIMNEY WITH NEW PRE-FINISHED SHEET METAL
2	NEW CAP FLASHING, TYP.
3	NEW ROOF HATCH. LADDER BY OTHERS.
4	EXISTING LADDER RE-INSTALLED
5	NEW PARAPET
6	RE FLASH FIN WALLS @ EXISTING HEIGHT
7	TRIM 3 EXISTING TREES TO CLEAR ROOF. PRIOR TO DOING WORK DISCUSS WITH OWNER AND CONSULTANT. VERIFY ON SITE FOR CURRENT CONDITIONS.
8	NEW SCUPPER BOX & DOWNSPOUT. PROVIDE SPLASH PAD @ GRADE
9	REINSTALL ELECTRICAL DISCONNECT SWITCH AND RECONNECT TO EXISTING CAPPED BRANCH CIRCUIT

PROJECT NORTH

1 / A1-104 NEW ROOF PLAN - PARTIAL
1 : 100

COLES
Architecture + Engineering + Project Management
Suite 201, 85 Fitzroy Street
Charlottetown, P.E.I., Canada, C1A 1R6
Phone: (902) 368-2300
www.colesassoicates.com

ARCHITECTS ASSOCIATION 19-12 CERTIFICATE of PRACTICE Scott Daniel MacNeill Coles Associates Ltd. AAPEI PROVINCE EDWARD ISLAND
MAY 6/21
#201104.

Client
PEI Department of Transportation & Infrastructure

Project Title
Montague Consolidated School

622 Princess Drive
Montague, PE
C0A 1R0

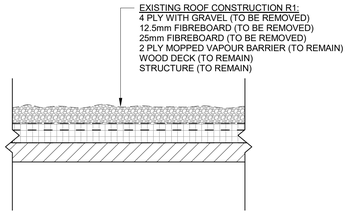
DTI Project No.: 370-20030

Sheet Title
New Roof Plan

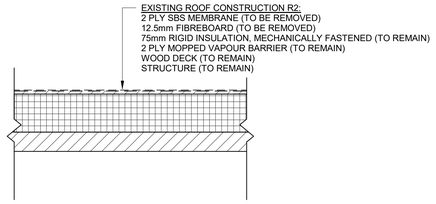
No.	Description	Date
0	Issued for Tender	2021-05-06

Date: May 6, 2021
Drn By: JDA
Chk By: SDM
Revision: 0
Project Number: 201104
Drawing Number: A1-104

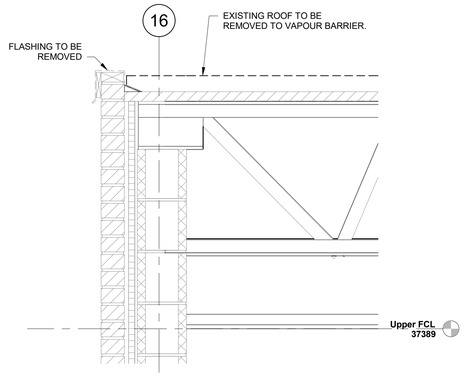
THIS DRAWING AND ALL COPYRIGHT THEREIN ARE THE SOLE AND EXCLUSIVE PROPERTY OF COLES ASSOCIATES LTD. REPRODUCTION OR USE OF THIS DRAWING IN WHOLE OR IN PART BY ANY FORM WHATSOEVER WITHOUT THE PRIOR WRITTEN CONSENT OF COLES ASSOCIATES LTD. IS STRICTLY PROHIBITED.



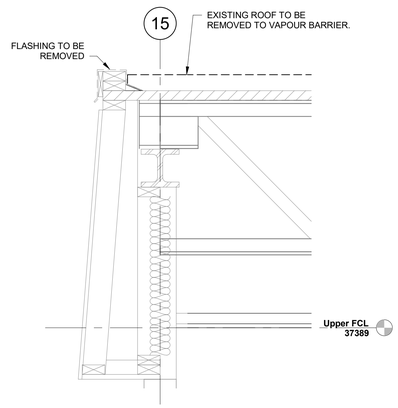
1 / A1-800 TYP. R1 ROOF DEMOLITION DETAIL
1 : 5



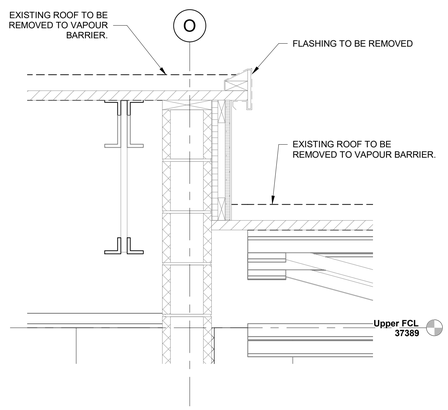
2 / A1-800 TYP. R2 ROOF DEMOLITION DETAIL
1 : 5



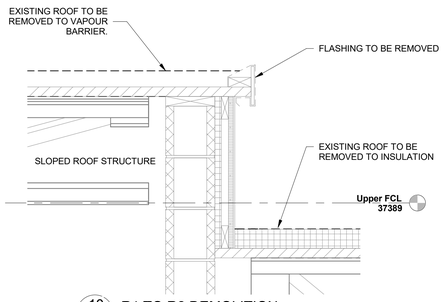
3 / A1-800 TYP. ROOF DEMOLITION @ BRICK EXTERIOR
1 : 10



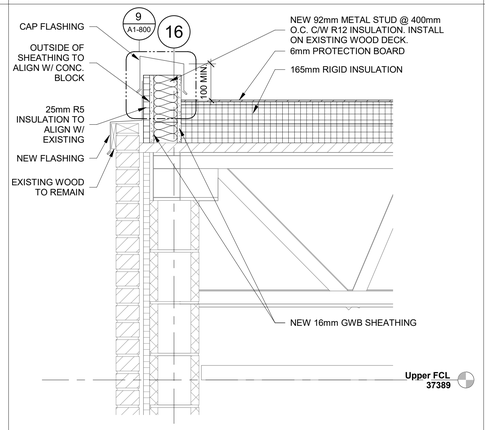
4 / A1-800 TYP. ROOF DEMOLITION @ SLOPED SHINGLES
1 : 10



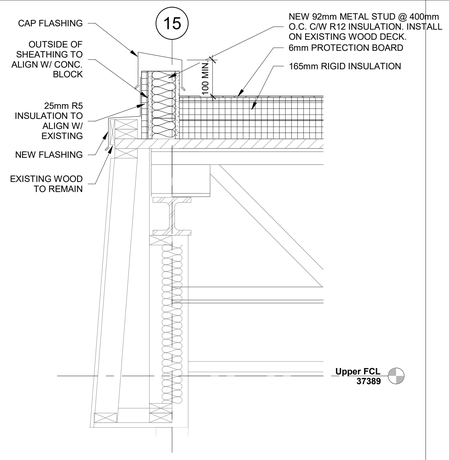
5 / A1-800 TYP. ROOF DEMOLITION @ TRANSITION
1 : 10



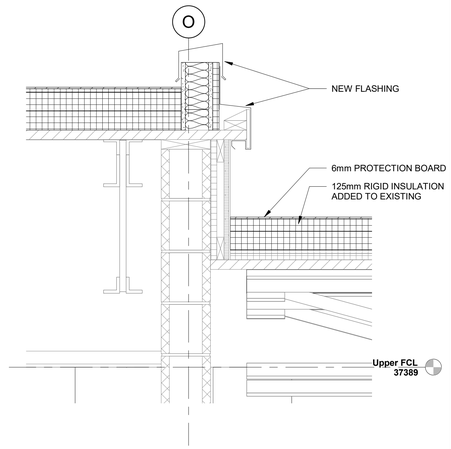
10 / A1-800 R1 TO R2 DEMOLITION
1 : 10



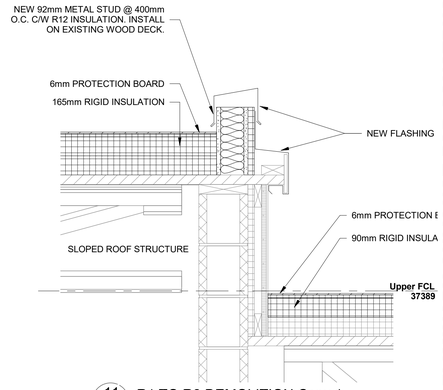
6 / A1-800 TYP. NEW ROOF @ BRICK EXTERIOR
1 : 10



7 / A1-800 TYP NEW ROOF @ SLOPED SHINGLES
1 : 10

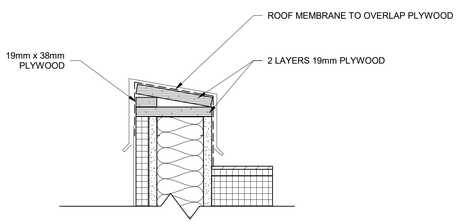


8 / A1-800 TYP. NEW ROOF @ TRANSITION
1 : 10



11 / A1-800 R1 TO R2 DEMOLITION Copy 1
1 : 10

PRELIMINARY ONLY NOT FOR CONSTRUCTION



9 / A1-800 TYP. PARAPET DETAIL
1 : 5

COLES
Architecture + Engineering + Project Management
Suite 201, 85 Fitzroy Street
Charlottetown, P.E.I., Canada, C1A 1R6
Phone: (902) 368-2300
www.colesassoicates.com

ARCHITECTS ASSOCIATION 19-12 CERTIFICATE of PRACTICE Scott Daniel MacNeill Coles Associates Ltd. AAPEI OF PRINCE EDWARD ISLAND
MAY 6/21
#201104.

Client
PEI Department of Transportation & Infrastructure

Project Title
Montague Consolidated School

622 Princess Drive
Montague, PE
C0A 1R0

DTI Project No.: 370-20030

Sheet Title
Roof Details

No.	Description	Date
0	Issued for Tender	2021-05-06

Date: May 6, 2021
Drn By: JDA
Chk By: SDM
Revision 0
Project Number: 201104
Drawing Number: A1-800

THIS DRAWING AND ALL COPYRIGHT THEREIN ARE THE SOLE AND EXCLUSIVE PROPERTY OF COLES ASSOCIATES LTD. REPRODUCTION OR USE OF THIS DRAWING IN WHOLE OR IN PART BY ANY FORM WHATSOEVER WITHOUT THE PRIOR WRITTEN CONSENT OF COLES ASSOCIATES LTD. IS STRICTLY PROHIBITED.