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800 Burrard Street, 12th floor
800,rue Burrard, 12e étage
Vancouver
British Columbia
V6Z 2V8
Bid Fax: (604) 775-9381

SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution
Public Works and Government Services Canada -
Pacific Region
800 Burrard Street, 12th floor
800, rue Burrard, 12e étage
Vancouver
British C
V6Z 2V8

Title - Sujet Simulator/Workshop Building	
Solicitation No. - N° de l'invitation F1700-110664/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client F1700-110664	Date 2012-05-29
GETS Reference No. - N° de référence de SEAG PW-\$PWY-020-6701	
File No. - N° de dossier PWY-2-35032 (020)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-06-26	Time Zone Fuseau horaire Pacific Daylight Saving Time PDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Ly, Ronny(PWY)	Buyer Id - Id de l'acheteur pwy020
Telephone No. - N° de téléphone (604) 666-0043 ()	FAX No. - N° de FAX (604) 775-6633
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DFO - Coast Guard Station - Bamfield, B.C.	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Solicitation No. - N° de l'invitation

F1700-110664/A

Amd. No. - N° de la modif.

001

Buyer ID - Id de l'acheteur

pw020

Client Ref. No. - N° de réf. du client

F1700-110664

File No. - N° du dossier

PWY-2-35032

CCC No./N° CCC - FMS No/ N° VME

Please find Addendum #1 herein.

All other terms and conditions remain unchanged.

GENERAL

This Addendum shall be read in conjunction with and considered as an integral part of the Contract Documents; revisions supersede the information contained in the original drawings, specifications or previously issued Addendum. Tender Price submitted shall include all items of this Addendum.

No consideration will be allowed for any extras due to Bidder not being familiar with the contents of this Addendum.

DRAWINGS

ARCHITECTURAL

Drawing A-1.1 Site Plan and Drawing 1/A-4.0

.1 See attached drawing ASK-01 for detail of steps from existing sidewalk down to the new driveway. Site determine actual stair height and confirm with NTAG and Structural before construction.

.2 Gravel path and concrete retaining wall are not included in tender contract. Gravel path as shown is existing. See ASK-02.

Drawing A-3.0 North and South Elevations

.1 Refer to ASK-03 for dimensions of foundation wall at garage.

Drawings A-2.0, A-3.1 and 4.0

.1 Delete retaining wall and gravel path. See ASK-02

Drawing A-6.0 Details

.1 All shaped wood fascia boards are to be 38x184mm.

STRUCTURAL

See attached Structural Addendum #1. 8 pages.

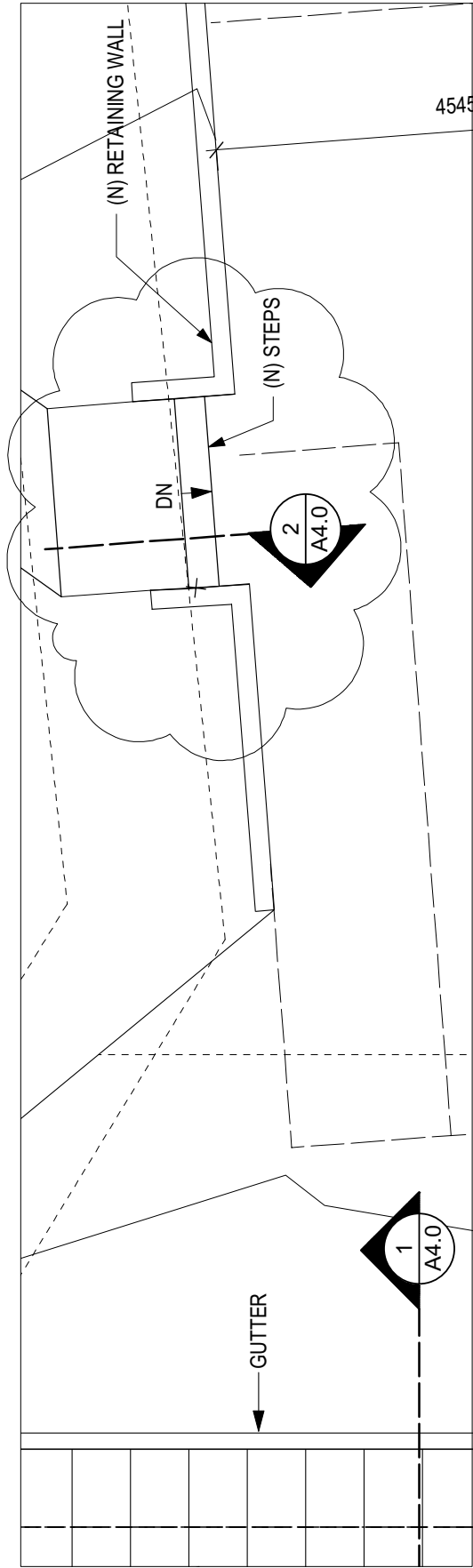
ELECTRICAL

See attached Electrical Addendum #1. 8 pages.

MECHANICAL

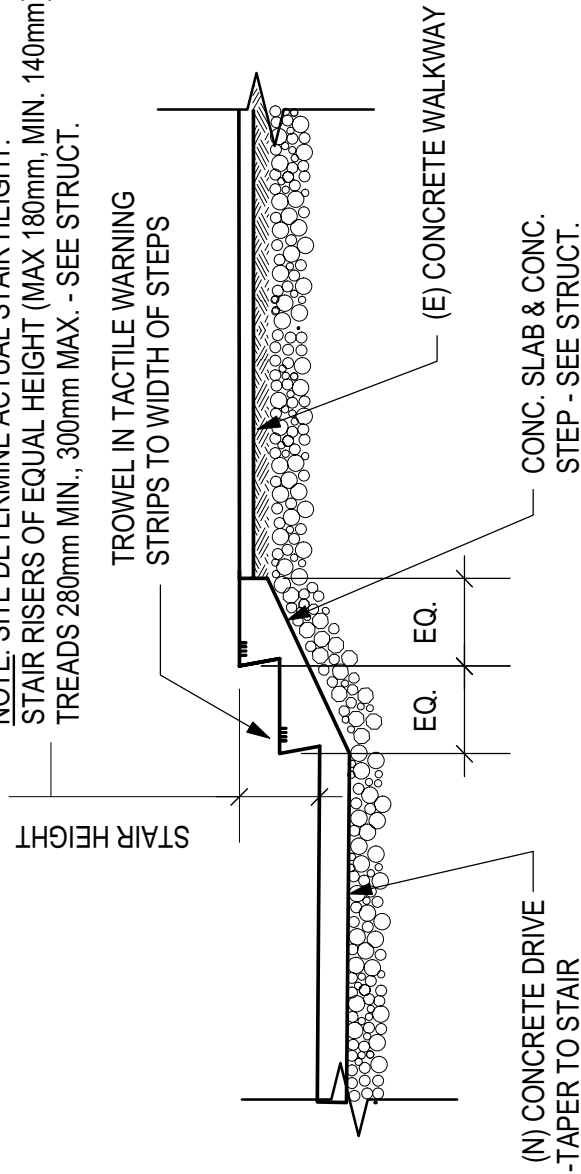
See attached Mechanical Addendum #001. 1 page.

END OF ADDENDUM #1



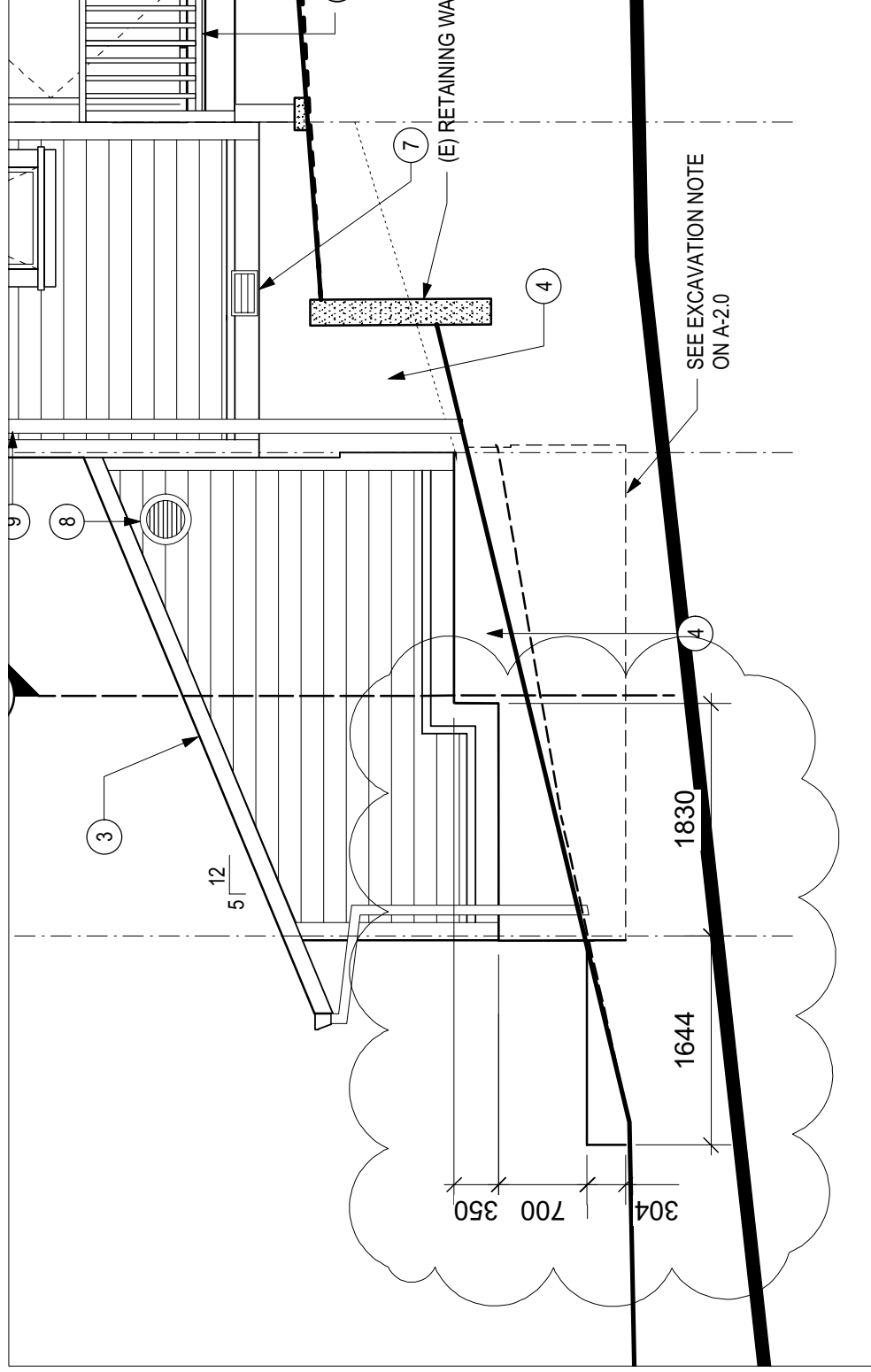
PARTIAL SITE PLAN A1.1 -STEPS TO DRIVEWAY

NOTE: SITE DETERMINE ACTUAL STAIR HEIGHT.
STAIR RISERS OF EQUAL HEIGHT (MAX 180mm, MIN. 140mm)
TREADS 280mm MIN., 300mm MAX. - SEE STRUCT.



SECTION A4.0 -STEPS TO DRIVEWAY

PARTIAL SITE PLAN A1.1 -PATH



GENERAL

This Addendum forms part of the Contract Documents and amends the original drawings and Specifications. The following revisions supersede the information contained in the original drawings and Specifications issued to the extent referenced and shall become part thereof. No adjustment to the Contract Price will be considered or allowed due to the Contractor or to any sub-contractor or supplier not being familiar with this Addendum.

1. Drawing S-1.0 Site Location Plan General Notes and Typical Details

1. ADD Prefabricated Gang Nail Type Wood Trusses note as per SSK7

2. Drawing S-2.0 Upper and Lower Floor, Framing and Foundation Plans

1. ADD note to east of entrance to garage: "Exterior Concrete Driveway 125mm thick on min 200mm compacted granular fill. See Arch drawing for extent. Typical unless noted otherwise".
2. Retaining walls on north side of concrete driveway as per section 11/S-4.0
3. DELETE hold-down at Grid 5 @ B and ADD hold-down west of Grid 5 along B next to framing for future door opening. Refer to Arch.
4. MOVE door opening through wall along Grid 4 further south as per Arch.
5. DELETE retaining wall between Rhiot School and the Simulator Building. Refer to Arch for landscaping details.

3. Drawing S-2.1 Upper Floor Plan Showing Roof Framing

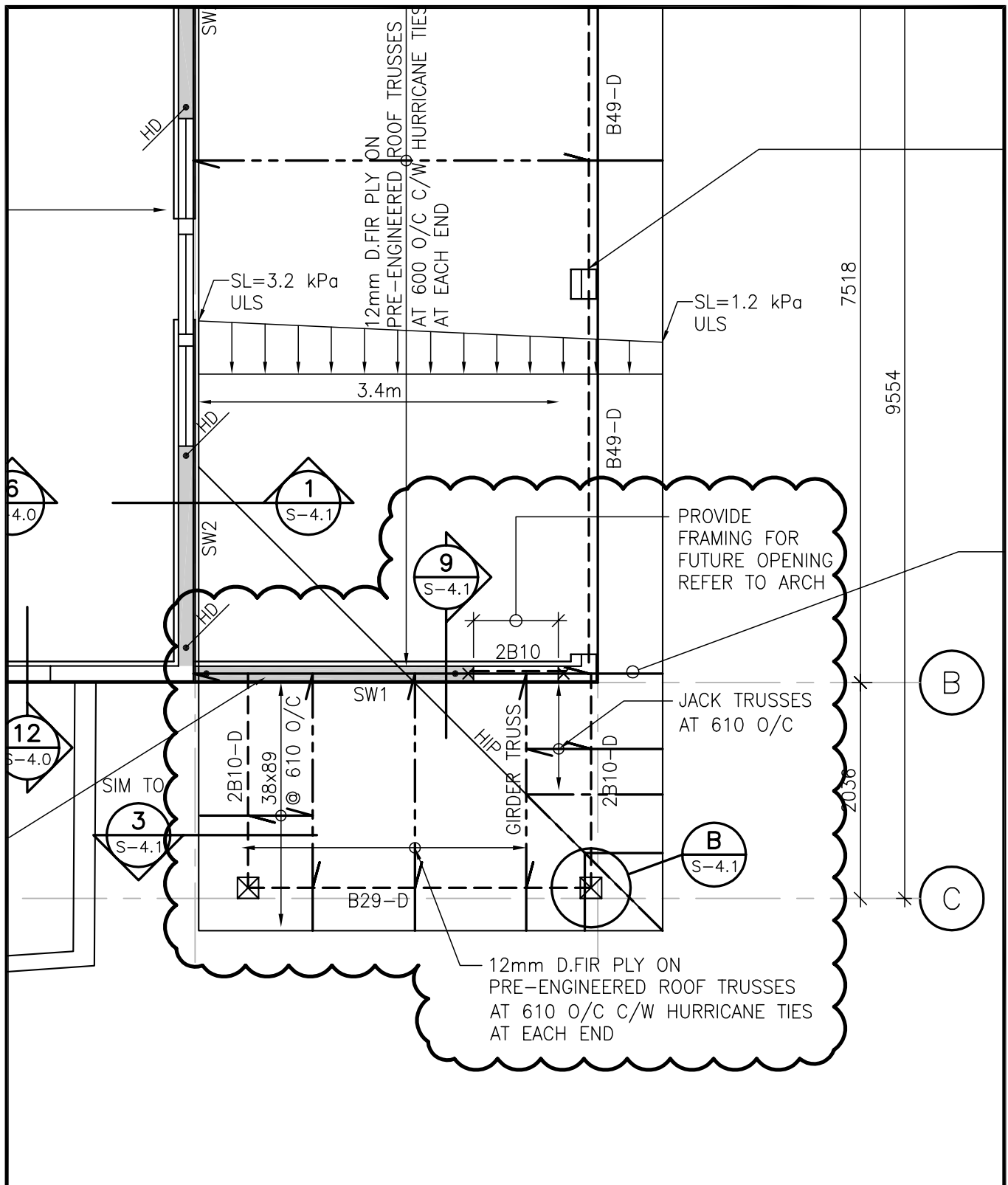
1. On 1/S-2.1 DELETE pressure treatment requirement noted by (*) for 2B10 along Grid A
2. Roof framing on 2/S-2.1 from Grid 4 to 5 and C to B to be REPLACED with details shown on SSK1.
3. REPLACE section 7/S-4.0 shown at Grid B/3+ and Grid A/3+ with 12/S-4.0 as shown on SSK2.
4. REPLACE section 1/S-4.0 at Grid B/4+ with 9/S-4.1 as shown on SSK6.
5. ADD SW1 text to shearwall along Grid A at 4+.

4. Drawing S-4.0 Foundation Sections

1. Section 1/S-2-0; block at upper floor REPLACE reference from 1/S2.1 to 1/S4.1
2. Section 4/S-2.0; ADD exterior concrete driveway to section.
3. Section 6/S-2.1; Provide gap between existing wall and TJI joist as per detail shown on SSK2.
4. DELETE section 9/S-2.0 and 10/S-2.0.

5. Drawing S-4.1 Framing Sections

1. Section 2/S-2.1;
 1. Roof slope varies, see arch for details,
 2. Truss heel height of 300mm at outside face of wall,
 3. ADD 38x140 cont fascia board.
 2. ADD detail 8/S-4.1 and 9/S-4.1 hold-down details as shown on SSK3.
 3. REVISE section 2/S-2.1 as indicated on SSK4
 4. REVISE section 3/S-2.1 as indicated on SSK5
-



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TITLE:
**SIMULATOR/WORKSHOP BUILDING
COAST GUARD STATION
ADDENDUM**

UPPER FLOOR/LOW ROOF PART PLAN

SCALE:

1:50

PROJECT NO:

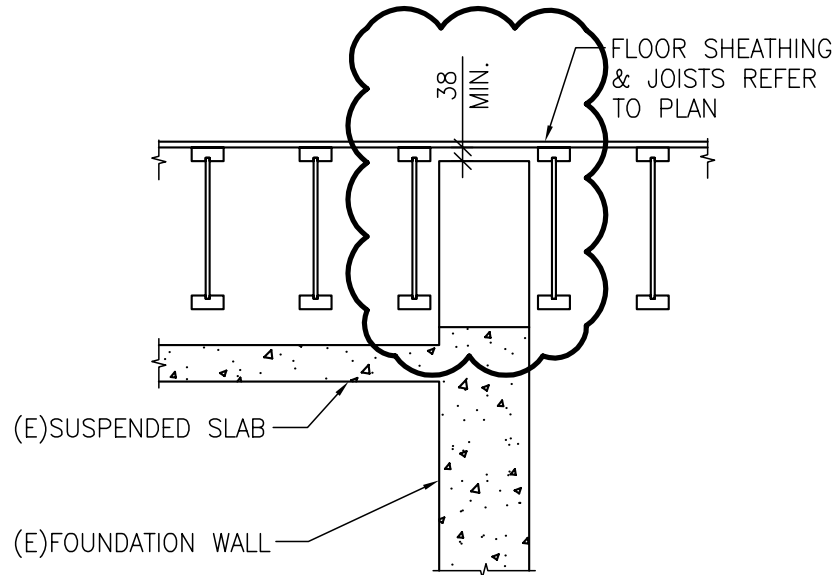
111-224400-00

REVISION:

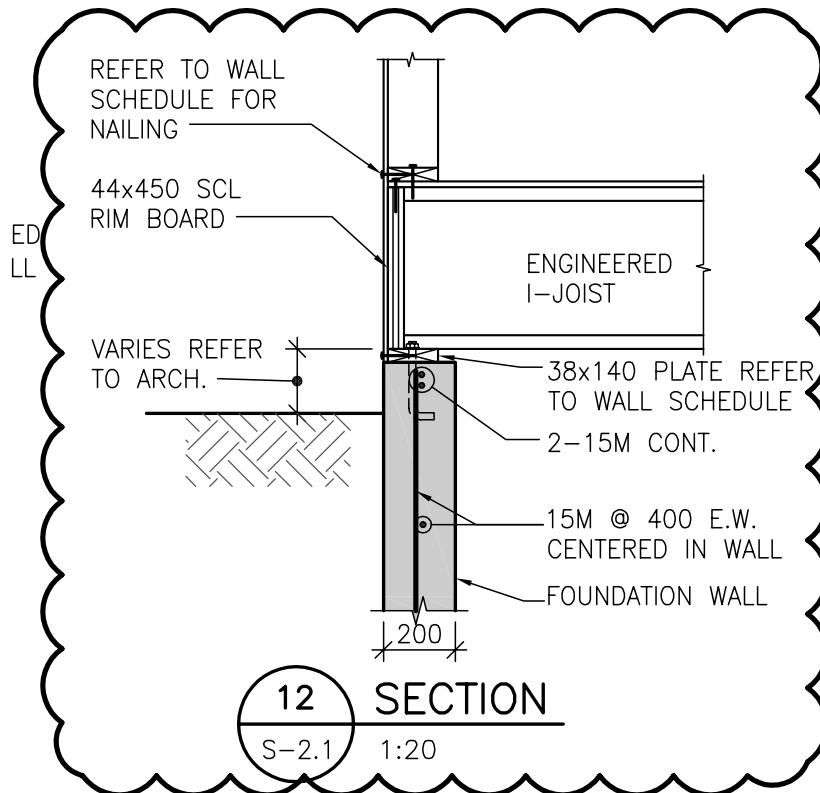
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DRAWING NO:

SSK1



6 SECTION
S-2.1 1:20



12 SECTION
S-2.1 1:20



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ADDENDUM**

REVISED & NEW SECTION

SCALE:
AS SHOWN

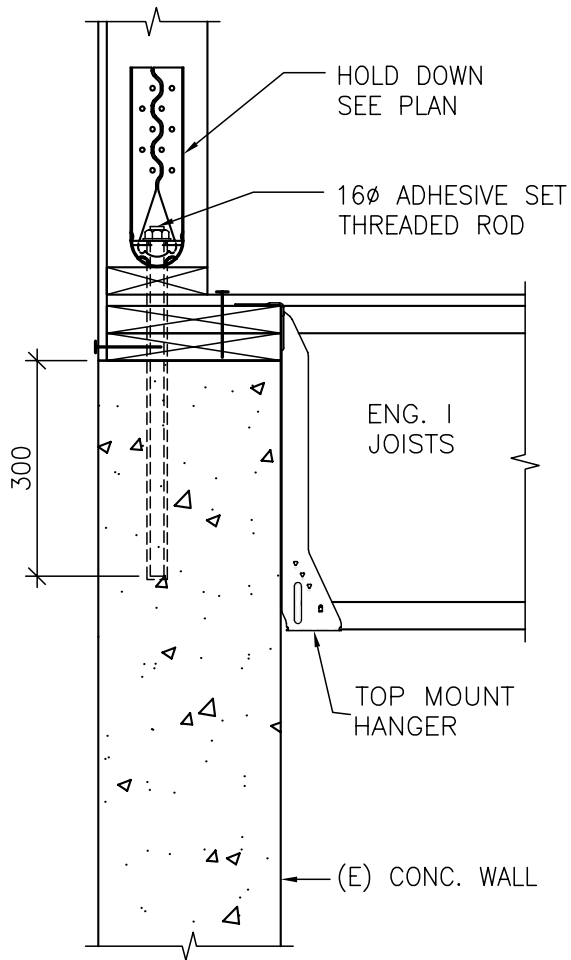
PROJECT NO:
111-224400-00

REVISION:

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DRAWING NO:

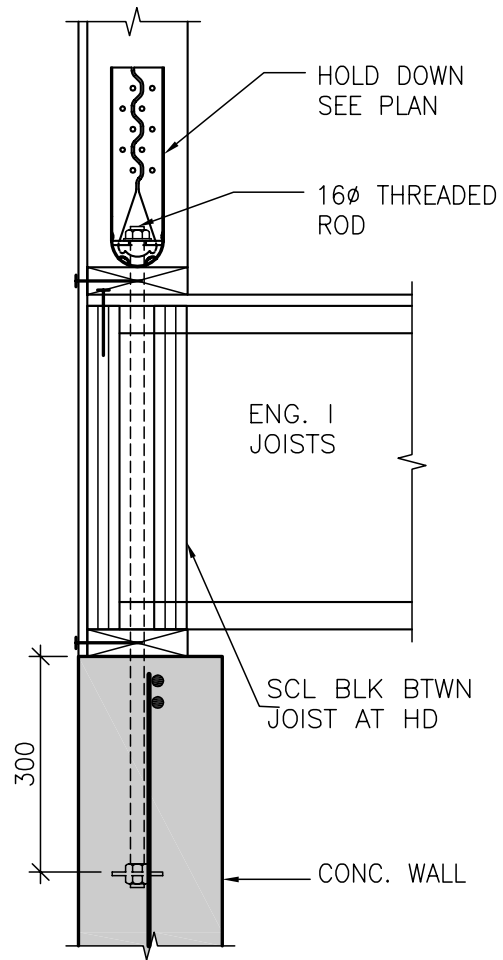
SSK2



**HOLD-DOWN
AT EXISTING
WALL**

8
S-4.1

1:10



**HOLD-DOWN
AT NEW
FOUNDATION WALL**

9
S-4.1

1:10



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TITLE:
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ADDENDUM**

TYPICAL HOLD-DOWN DETAILS

SCALE:
AS SHOWN

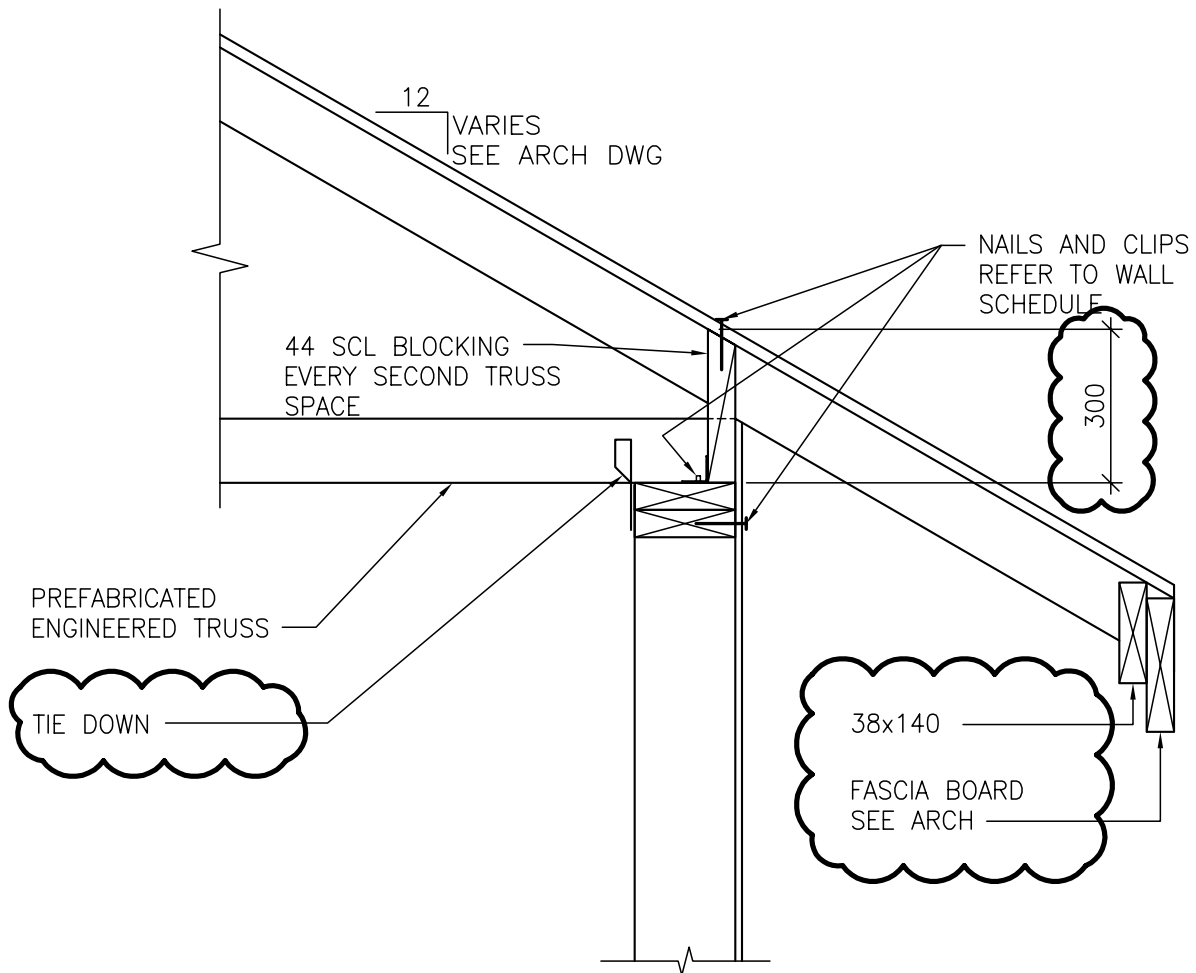
PROJECT NO:
111-224400-00

REVISION:

—

DRAWING NO:

SSK3



2 SECTION
S-2.1 1:10

TYPICAL ROOF OVERHANG
SEE ARCH FOR ROOF SLOPE



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TITLE:
**SIMULATOR/WORKSHOP BUILDING
COAST GUARD STATION
ADDENDUM**

REVISED SECTION

SCALE:
AS SHOWN

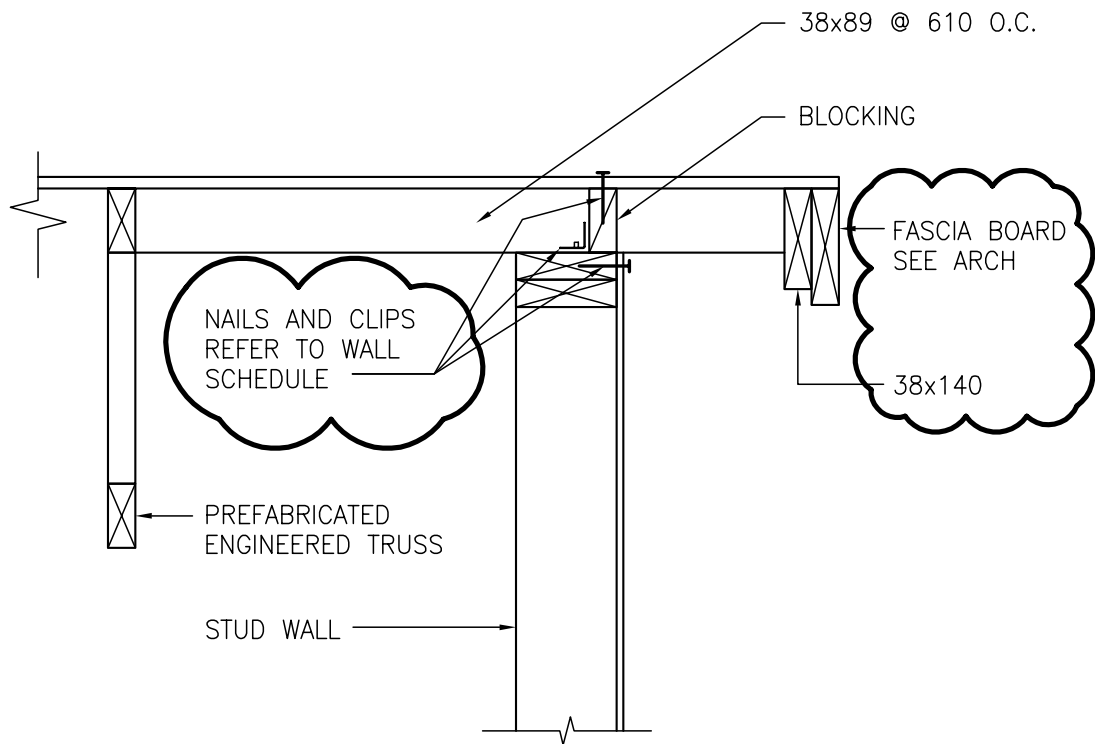
PROJECT NO:
111-224400-00

REVISION:

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DRAWING NO:

SSK4



3 SECTION
S-2.1 1:10



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COAST GUARD STATION
ADDENDUM

REVISED SECTION

SCALE:
AS SHOWN

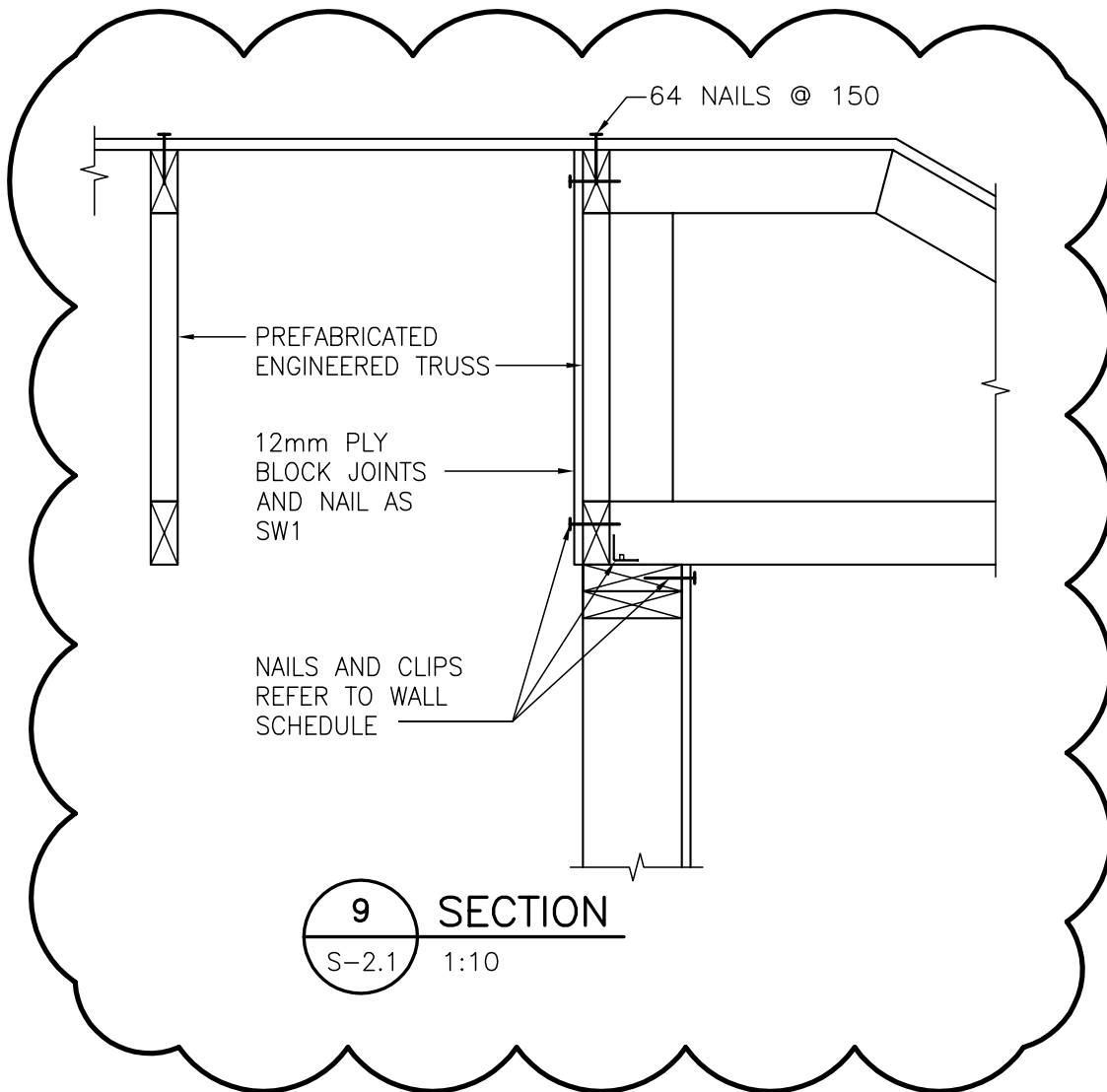
PROJECT NO:
111-224400-00

REVISION:

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DRAWING NO:

SSK5



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TITLE:
**SIMULATOR/WORKSHOP BUILDING
COAST GUARD STATION
ADDENDUM**

NEW SECTION

SCALE:

AS SHOWN

PROJECT NO:

111-224400-00

REVISION:

—

DRAWING NO:

SSK6

PREFABRICATED GANG NAIL TYPE WOOD TRUSSES

1. TRUSSES ARE TO BE DESIGNED FOR SUPERIMPOSED LOADS AS SHOWN ON THE DRAWINGS, BY THE COMPONENT DESIGN METHODS, AND FOR LSD STRESSES REQUIRED BY PART 4 OF THE BRITISH COLUMBIA BUILDING CODE AND CSA 086.1. ROOF TRUSSES ARE TO BE DESIGNED FOR SNOW ACCUMULATIONS IN ACCORDANCE WITH THE SUPPLEMENT TO THE NATIONAL BUILDING CODE. SUBMIT DESIGN CRITERIA AND RECEIVE APPROVAL FROM THE ENGINEER OF RECORD
2. TRUSSES ARE TO BE MANUFACTURED BY A MEMBER OF THE WESTERN WOOD TRUSS ASSOCIATION, WHICH IS TO PROVIDE LAYOUT & SHOP DRAWINGS SEALED BY A PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN BRITISH COLUMBIA. THE FINAL COMPLETED TRUSS INSTALLATION SHALL BE INSPECTED AND APPROVED BY A PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN BRITISH COLUMBIA LEAVING A WRITTEN REPORT WITH SUPERVISOR ON SITE. SUBMIT 4 SETS OF SHOP DRAWINGS TO THE ENGINEER OF RECORD AND RECEIVE APPROVAL BEFORE FABRICATION.
3. TRUSSES ARE TO BE ERECTED IN ACCORDANCE WITH THE TRUSS MANUFACTURER'S INSTRUCTIONS AND THE WORKERS' COMPENSATION BOARD REQUIREMENTS.
4. FABRICATED TRUSS PROFILES ARE TO SATISFY THE STRUCTURAL AS WELL AS THE ARCHITECTURAL REQUIREMENTS. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ROOF SLOPES, CEILINGS, GUTTERS, DUCT WORK, ETC.
5. DESIGN ALL TRUSS TO GIRDER TRUSS CONNECTIONS AND PROVIDE FOR, AND SHOW, CONNECTION OF OTHER BEAM AND PURLIN CONNECTIONS TO TRUSSES. SHOP DRAWINGS TO INDICATE POSITION OF HANGERS AND CONNECTORS, AND TRUSS MANUFACTURER IS TO PROVIDE COMPLETE SHOP DRAWINGS FOR ENGINEERED HANGERS. TRUSS MANUFACTURER IS TO INDICATE AND DETAIL ALL WEB AND CHORD BRACING ON LAYOUT DRAWINGS AS WELL AS LATERAL BRACING REQUIRED AT BEARING POINTS.
6. WHERE TRUSSES BEAR ON WALLS, FASTEN TO SILL PLATE AT EACH END WITH NOT LESS THAN 1-18 GA GALVANIZED ANCHOR. WHERE TRUSSES FRAME ONTO GIRDER TRUSS, FASTEN WITH ENGINEERED TRUSS HANGER NOT LESS THAN 16 GA.
7. ALL TRUSSES TO BE ERECTED WITH HURRICANE CLIPS. TOE NAILS WILL NOT BE ACCEPTED. SIMPSON STRONG-TIE H14 HURRICANE CLIP OR APPROVED EQUAL.
8. SPECIFIED ROOF DEAD LOAD = 0.6 kPa. SEE SNOW LOAD DIAGRAM.
9. GIRDER TRUSSES ARE SHOWN FOR BIDDING AND CONCEPTUAL INFORMATION. TRUSS MANUFACTURER TO PROVIDE SHOP DRAWINGS SHOWING GIRDER TRUSS LOCATIONS AND LOADS TO ENGINEER OF RECORD. COLUMN AND FRAMING CONFIGURATION TO BE FINALIZED UPON APPROVAL OF TRUSS SHOP DRAWINGS.



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TITLE:
**SIMULATOR/WORKSHOP BUILDING
COAST GUARD STATION
ADDENDUM**

**PREFABRICATED GANG NAIL
TYPE WOOD TRUSSES NOTES**

SCALE:

AS SHOWN

PROJECT NO:

111-224400-00

REVISION:

—

DRAWING NO:

SSK7

The following addendum supersedes information contained in drawings and specifications issued for the project to the extent referenced. This Addendum forms part of the Tender Documents and is subject to all of the conditions set out in the contract conditions.

This electrical addendum contains eight (8) pages.

REFER TO ELECTRICAL DRAWINGS

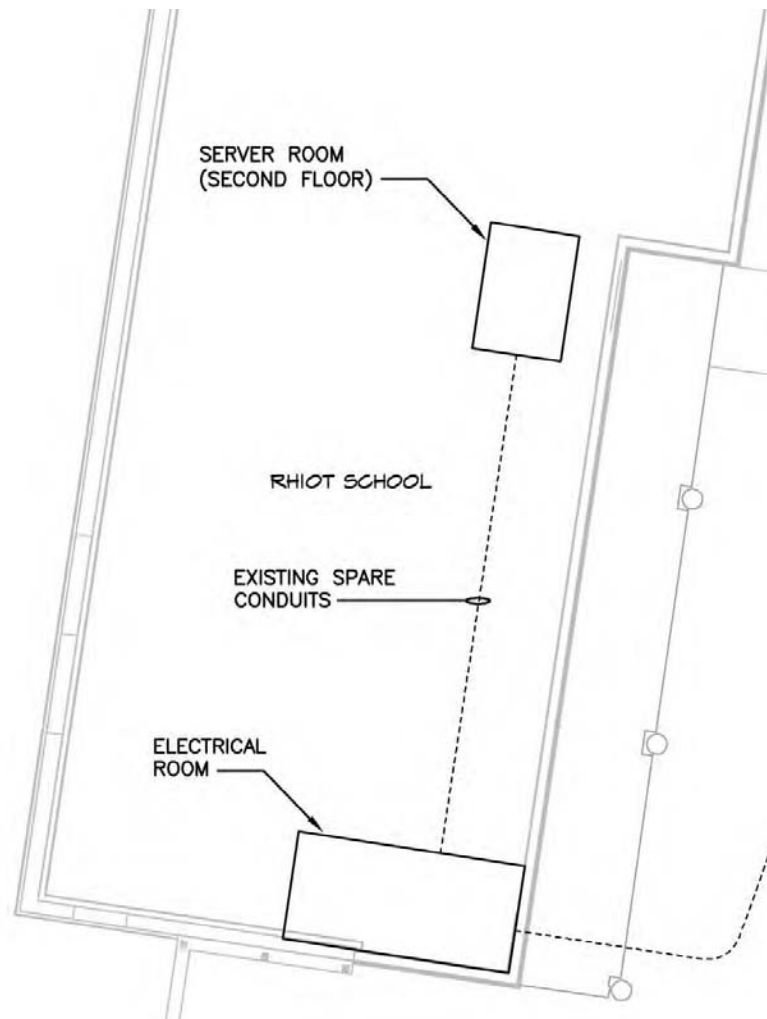
1. Drawing E1 - Site Plan, Keyplan and Legend of Symbols

- .1 Code Load: Revise code load as shown below:

Electrical Code Load Calculation									
Bamfield Simulator/Workshop Building									
AES Project# 1-11-206									
BASIC LOAD CEC Rule 8-210									
Garage			26.0 sq.m.						
Main Floor			76.5 sq.m.						
	Total:		102.5 sq.m.						
DEMAND									
	50 W/sq.m.	=	5125 Watts						
EQUIPMENT LOADS									
Simulator			4500 watts						
Table saw			1920 watts						
Compressor			2880 watts						
Misc. Equipment			2000 watts						
	Total:		11300 watts						
MECHANICAL/HEATING LOADS									
Future Garage Heat			2000 Watts						
Duct Heater			4000 Watts						
Baseboard Heaters			4250 Watts						
Supply Fan			822 Watts						
Exhaust Fans			983 Watts						
	Total:		12055 Watts						
Total Load									
			28480 Watts						
	or		79 amps	at 120/208 volt 3 phase 4 wire					
	x 125%		99 amps						
Therefore a 100 amp service is required									

.2 Site Plan:

- .1 Revise note 1 to read:
" Intercept existing conduits. Extend one 53mm conduit for power and one 78mm conduit for communications to new building. Coordinate exact locations on site. **Obtain existing site drawings from PWGSC for coordination of site services.** "
- .2 Refer to detail below for location of RHIOT school server room.



.3 Legend of Symbols:

- .1 Revise legend item 'smoke detector' to read 'smoke alarm'.
.2 Revise legend item 'thermal detector' to read 'heat alarm'.

- .4 Mechanical Equipment Schedule:
 .1 Revise mechanical equipment schedule as indicated below.

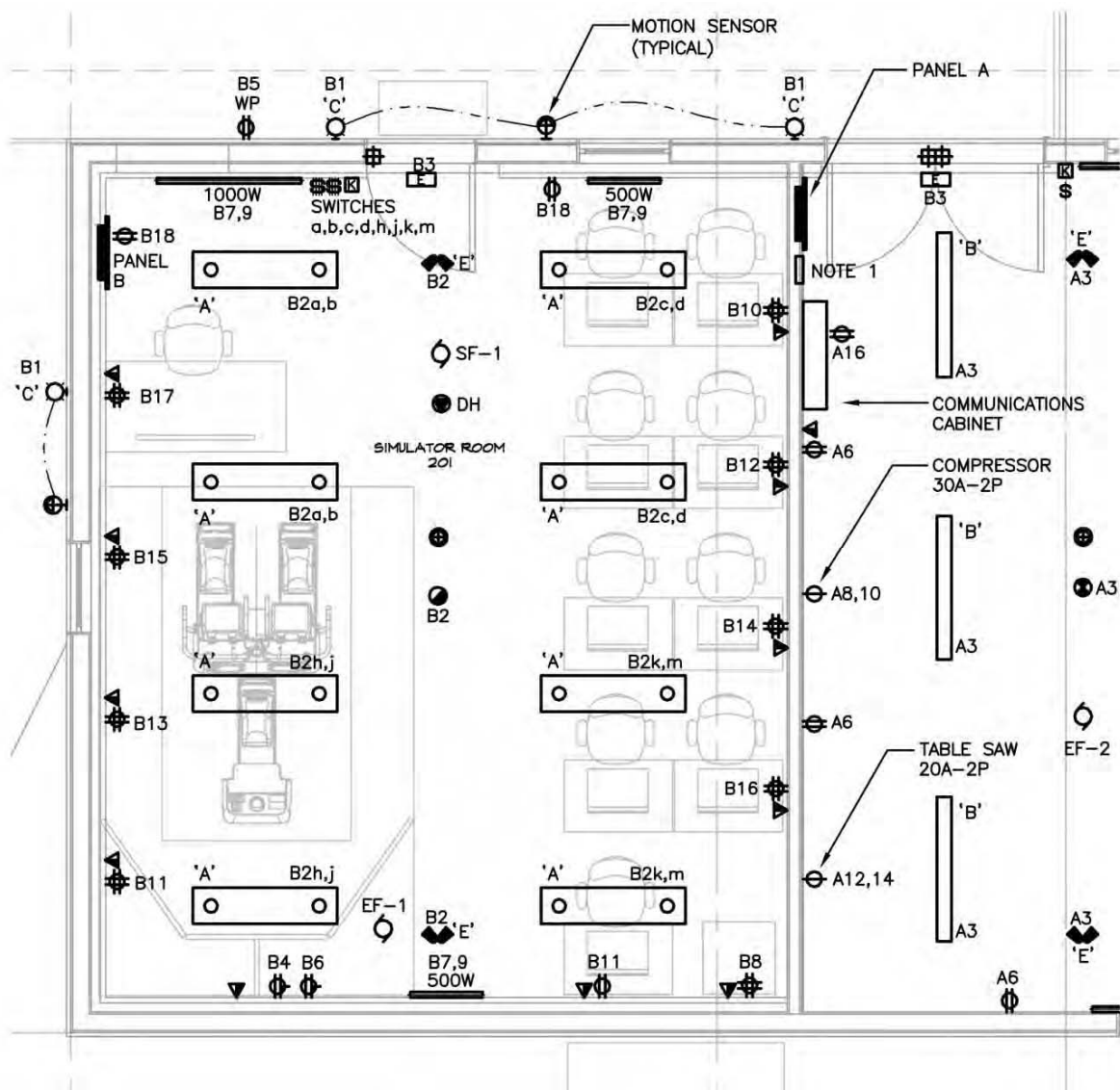
MECHANICAL EQUIPMENT SCHEDULE																																
Q#	DESCRIPTION	EQUIPMENT LOCATION	LOAD			VOLTS	PHASE	UNIT			STARTER			DISC.			CONTROL					SUPPLY PANEL			WIRE & CONDUIT			NOTE				
			MCA	KW	HP			SUPPLY	MOUNT	CONNECT	SUPPLY	MOUNT	CONNECT	TYPE	SUPPLY	MOUNT	CONNECT	SUPPLY	MOUNT	CONNECT	TYPE	FIRE ALARM	PANEL #	PANEL LOCATION	BREAKER				WIRE SIZE	NO.	CONDUIT SIZE (mm)	TOTAL AMPS
																									AMPS	P	CCT NO'S					
BB	BASEBOARD HEAT	SIMULATOR ROOM	-	-	-	208	1	M	M	E	-	-	-	-	-	-	M	E	E	T	-	-	-	-	-	-	-	-	-	1		
BB	BASEBOARD HEAT	WORKSHOP	-	-	-	208	1	M	M	E	-	-	-	-	-	-	M	E	E	T	-	-	-	-	-	-	-	-	-	1		
DH	DUCT HEATER	SIMULATOR ROOM	-	4.0	-	208	1	M	M	E	-	-	-	-	M	E	E	M	E	E	T	-	B	SIMULATOR ROOM	30	2	20,22	#10	3	16	-	1
SF-1	SUPPLY FAN	SIMULATOR ROOM	-	822W	-	120	1	M	M	E	-	-	-	-	M	E	E	E	E	E	I	-	B	SIMULATOR ROOM	20	1	21	#12	2	16	-	2
EF-1	EXHAUST FAN	SIMULATOR ROOM	-	455W	-	120	1	M	M	E	-	-	-	-	M	E	E	M	E	E	MAN	-	B	SIMULATOR ROOM	20	1	19	#12	2	16	-	-
EF-2	EXHAUST FAN	WORKSHOP	-	-	1/6	120	1	M	M	E	-	-	-	-	M	E	E	M	E	E	MAN	-	A	WORKSHOP	15	1	1	#12	2	16	-	-

LEGEND
 M = DENOTES BY MECHANICAL CONTRACTOR
 E = DENOTES BY ELECTRICAL CONTRACTOR
 MAN = MANUAL
 T = THERMOSTAT
 I = INTERLOCK

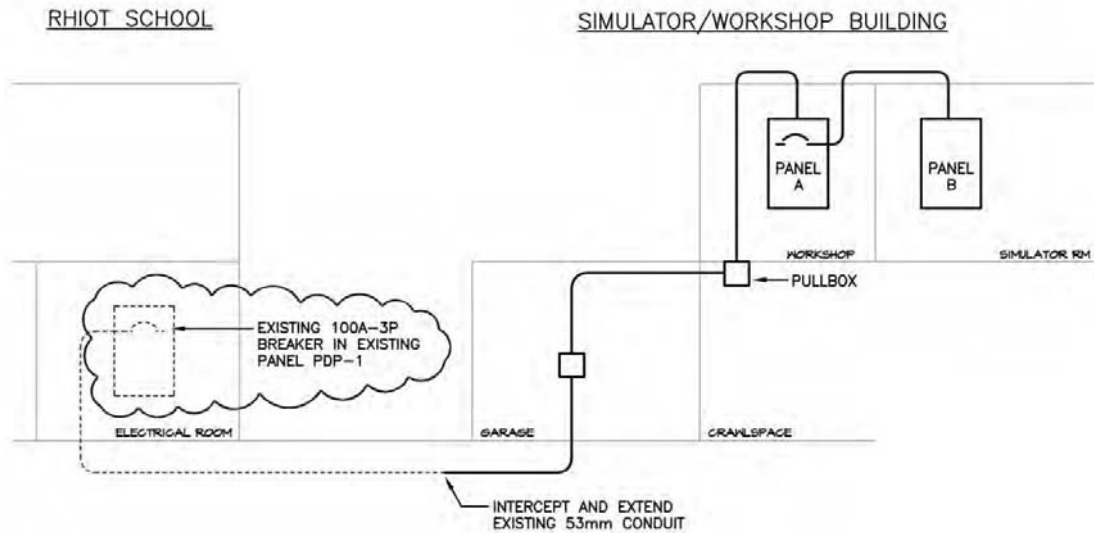
NOTES:
 1. REFER TO PLANS FOR BASEBOARD HEATER CIRCUITS
 2. INTERLOCK SUPPLY FAN WITH LIGHTING

2. Drawing E2 - Lower Floor and Main Floor Electrical Layouts

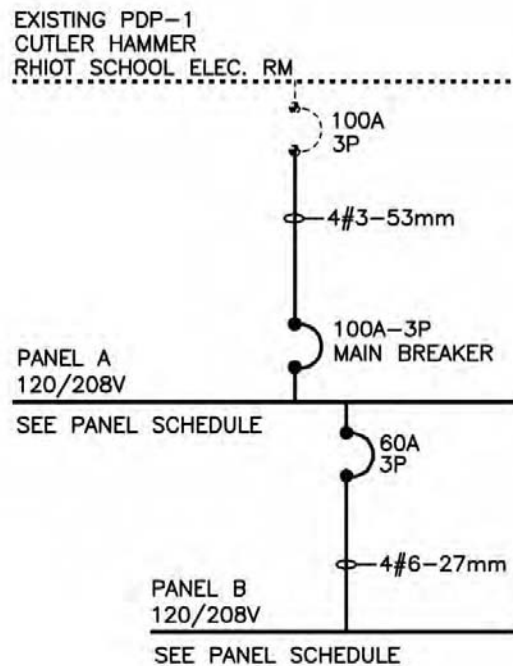
- .1 Lower Floor Electrical Layout:
 .1 Provide motion sensor for control of two type C luminaires. Locate motion sensor on exterior wall along gridline 5 between doors.
- .2 Main Floor Electrical Layout: Refer to revised layout below for the following.
 .1 Provide two exterior motion sensors to control type 'C' luminaires as shown.
 .2 Revise communications cabinet to surface mounted cabinet, 914mm x 914mm x 200mm.
 .3 Delete dimmers in simulator room and provide eight switches for step dimming of type 'A' luminaires.



- .3 Distribution Riser Detail: Revise as indicated in clouded area below:



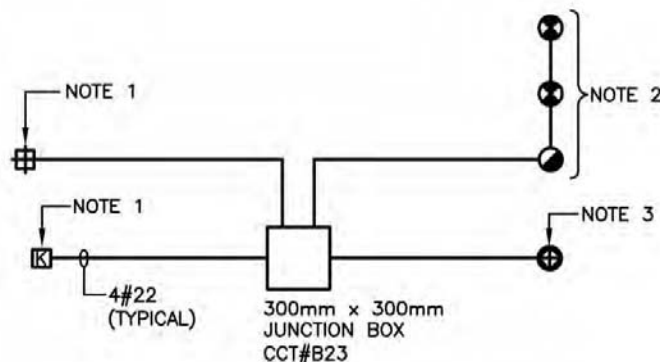
- .4 Single Line Diagram: Revise as indicated below:



- .5 Panel 'A' Panelboard Schedule:
- .1 Revise system to 120/208V, 3Ø, 4W.
 - .2 Revise main breaker size from 200A to 100A.
 - .3 Revise breaker feeding panel 'B' from 100A-2P to 60A-3P.
- .6 Panel 'B' Panelboard Schedule:
- .1 Revise system to 120/208V, 3Ø, 4W.
 - .2 Delete the following note:
" * Provide photocell and timeclock "
 - .3 Revise circuit number 04 breaker size from 15A to 20A.

3. Drawing E3 - Electrical Details

- .1 Communications Riser Detail:
- .1 Revise note as follows:
" Intercept and extend existing 78mm conduit. Provide **25 pair CAT5e** cable and 6 fibre multimode cable from RHIOT school server room to communications cabinet. **Cables to be outdoor rated.** "
 - .2 Add new note as follows:
" Provide patch panels in RHIOT school server room and terminate fibre and CAT5e cables from simulator building. "
- .2 Security Riser Detail: Revise as indicated below:

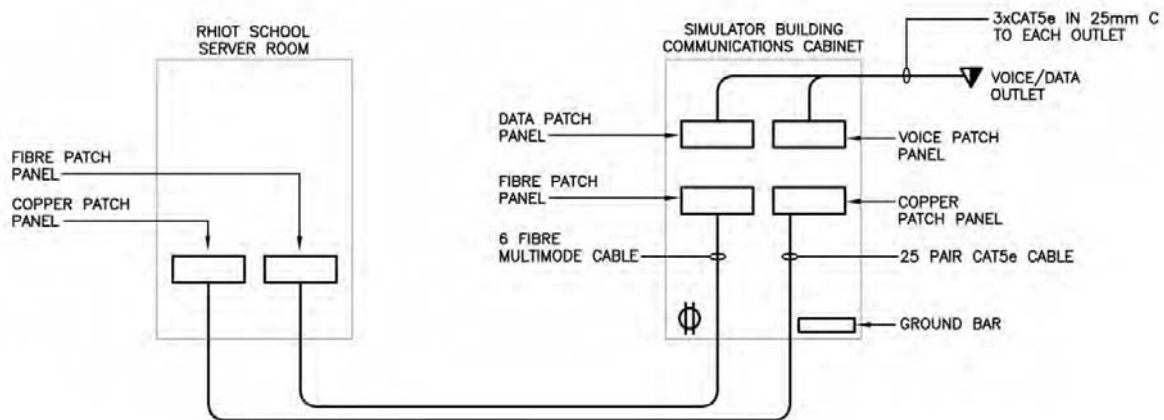


NOTES:

1. PROVIDE 2 GANG BOX WITH COVERPLATE AT LOCATIONS INDICATED ON PLANS. PROVIDE WIRING AND COIL 300mm FOR FUTURE CONNECTION OF SECURITY SYSTEM DEVICES.
2. PROVIDE SMOKE AND HEAT ALARMS COMPLETE WITH AUXILIARY RELAY FOR CONNECTION TO FUTURE SECURITY SYSTEM. INTERCONNECT DEVICES AND WIRE TO LIGHTING CIRCUIT AHEAD OF SWITCH.
3. PROVIDE WIRING TO LOCATIONS INDICATED ON PLANS AND COIL 2m IN CEILING SPACE. IDENTIFY LOCATION FOR FUTURE CONNECTION WITH CEILING STICKER.

.3 Wiring Detail: Revise detail title to read "Wiring **Method for Lighting and Devices**".

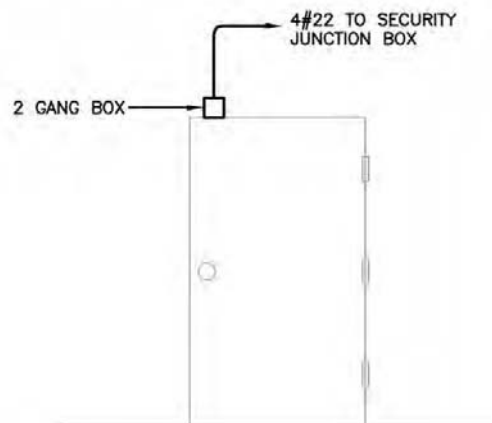
.4 Communications Cabinet Detail: Revise as indicated below:



NOTES:

1. PROVIDE 914mm x 914mm x 200mm SURFACE MOUNTED COMMUNICATIONS CABINET COMPLETE WITH HINGED LOCKABLE DOOR AND 3/4" PLYWOOD BACKBOARD.

.5 Add the following detail:



6
E3

⊞ DETAIL

NOT TO SCALE

.6 Luminaire Schedule:

- .1 Revise type 'A' description as follows:
 " Suspended indirect linear fluorescent luminaire complete with 2x32W T8
 lamps and electronic step dimming ballast. "

END OF ELECTRICAL ADDENDUM #1

MECHANICAL ADDENDUM

#001

Project: Simulator/Workshop Building

Addendum No.: 001

GENERAL

This Addendum forms part of the Contract Documents for 111-22440-00 DFO Bamfield Simulator/Workshop Building and amends the original drawings and Specifications. The following revisions supersede the information contained in the original drawings and Specifications issued to the extent referenced and shall become part thereof. No adjustment to the Contract Price will be considered or allowed due to the Contractor or to any sub-contractor or supplier not being familiar with this Addendum.

1. The electrical service has been revised to be 208V. The electric baseboard heaters shall be revised to provide the specified heat output and function correctly at 208V/1/60.
2. The electrical service has been revised to be 208V. The electric duct heater shall be revised to provide the specified heat output and function correctly at 208V/1/60.
3. The baseboard heaters are specified to come with line voltage thermostats. These shall be supplied under the mechanical division and installed under the electrical division. No low voltage room thermostats are required.

End of Mechanical Addendum #001
