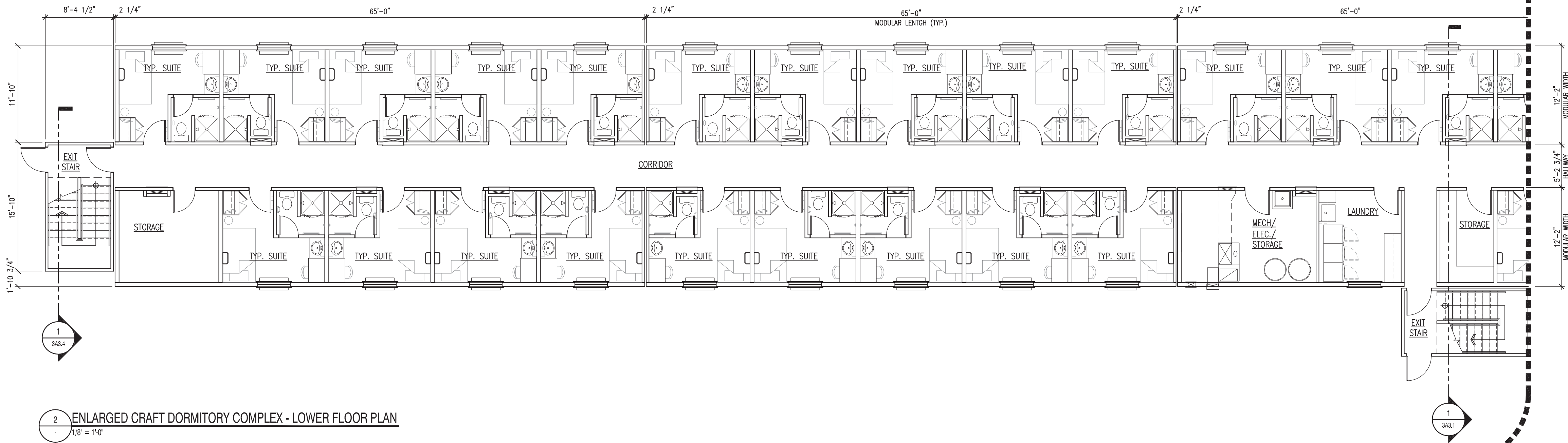


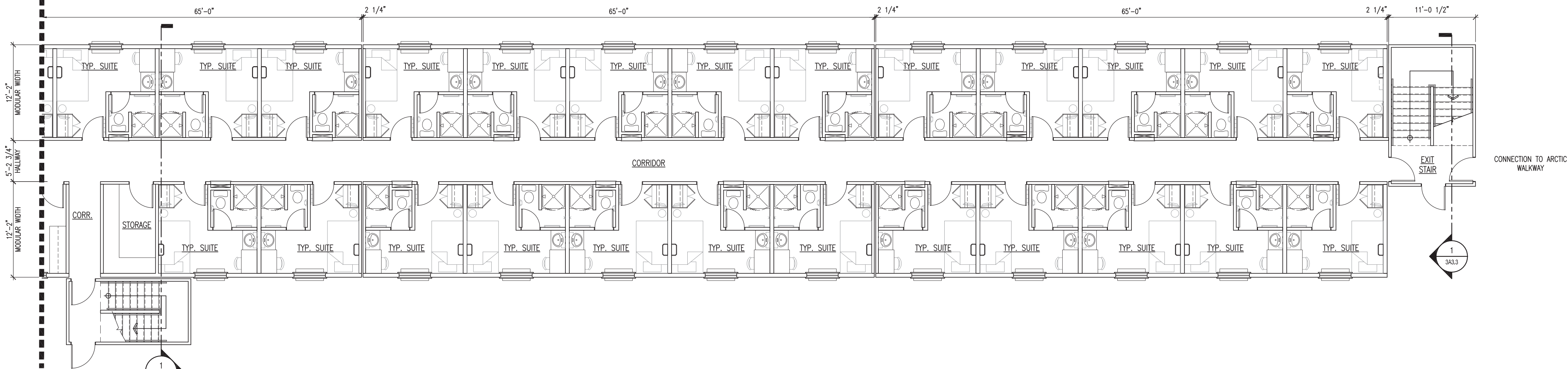
1 OVERALL CRAFT DORMITORY COMPLEX - LOWER FLOOR PLAN
1/16" = 1'-0"

BUILDING CODE ANALYSIS (ABC 2006)						
BUILDING ADDRESS:						
BUILDING AREA: (s.f./s.m.)		EXISTING: N/A		NEW: 10,038s.f./932.56s.m.		TOTAL: 10,038s.f./932.56s.m.
NUMBER OF STREETS FACING (AS DEFINED BY 3.2.2.10) =				N/A		
USE(S) OF BUILDING:		PROJECT ACCOMMODATION				
MAJOR OCCUPANCY CLASSIFICATION(S):		C				
BUILDING CODE CLASSIFICATION:		3.2.2.48				
% OF ALLOWABLE UNPROTECTED OPENINGS:	NORTH WALL:	40%	SOUTH WALL:	40%	EAST WALL:	0% WEST WALL: 100%
REQUIRED EXTERIOR WALL FIRE RESISTANCE RATINGS	NORTH WALL:	45min	SOUTH WALL:	45min	EAST WALL:	N/A WEST WALL: N/A
OCCUPANT LOAD: 92		WATER CLOSETS REQUIRED: 1 PER SUITE				
NUMBER OF EXITS REQUIRED: FLOOR AREAS = 3 PER DORM		PUBLIC CORRIDOR SEPARATIONS: FIRE SEPARATION REQUIRED (y/n) FIRE RESISTANCE RATING REQUIRED (45min./1hr.) YES 45 MIN.				
REQUIRED FIRE RESISTANCE RATINGS						
FLOORS:	45 MIN.	MEZZANINE:	N/A	ROOF:	n/a	BEARING ASSEMBLIES: 45 MIN. FIRE WALLS: N/A
EXIT STAIRWAYS:	45 MIN.	SERVICE SHAFTS:	45 MIN.	FURNACE ROOMS:	45 MIN.	STORAGE ROOMS: 45 MIN. STORAGE GARAGES: N/A
REPAIR GARAGES:	N/A	OCCUPANCY SEPARATIONS:		1 HR.	SUITE SEPARATIONS:	45 MIN. OTHER: - OTHER: -
EXIT SIGNS REQ'D:	Yes	EMERGENCY LIGHTING REQ'D:		Yes	STANDPIPE AND HOSE SYSTEM REQ'D: No	
SMOKE ALARMS REQ'D:	Yes	FIRE ALARM SYSTEM REQ'D:		Yes	BARRIER FREE ACCESS REQ'D: No	
SPRINKLER SYSTEM REQ'D:	Yes	FIRE DAMPERS REQ'D:		Yes	ATTIC FIRE STOPS REQ'D: N/A	
PIPING FIRE STOPS REQ'D:	Yes	OTHER REQ'D:		-	OTHER REQ'D: -	

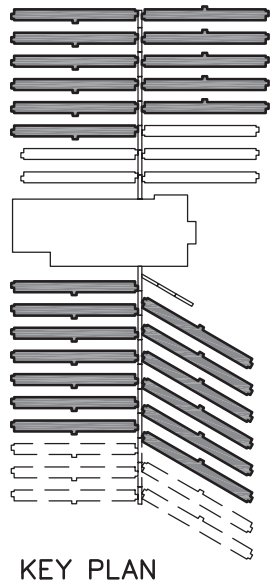


2 ENLARGED CRAFT DORMITORY COMPLEX - LOWER FLOOR PLAN
1/8" = 1'-0"

CONTINUATION



3 ENLARGED CRAFT DORMITORY COMPLEX - LOWER FLOOR PLAN
1/8" = 1'-0"



NOTES

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100% CLIENT REVIEW	1	10.05.17
CONSTRUCTION	1	10.05.18
REVISION 2	2	10.06.28
FINAL REVIEW	2	10.07.05
ISSUED FOR PERMIT	3	10.08.27

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NORTHERN TRAILER

PROJECT

SURMONT II

PROJECT

FORT McMURRAY, AB

DRAWING

CRAFT DORMITORY PLANS - LOWER FLOOR

DRAWN BY:	RM	PROF REVIEW:	BF
TECH REVIEW:	RM	FINAL REVIEW:	JF
DATE:	APRIL 2010		
CONSULTANT FILE NO.:	--		
S.P.A. PROJECT NO.:	10-034		
DRAWING FILE NO.:			

DRAWING NUMBER	REVISION
3A1.1	3

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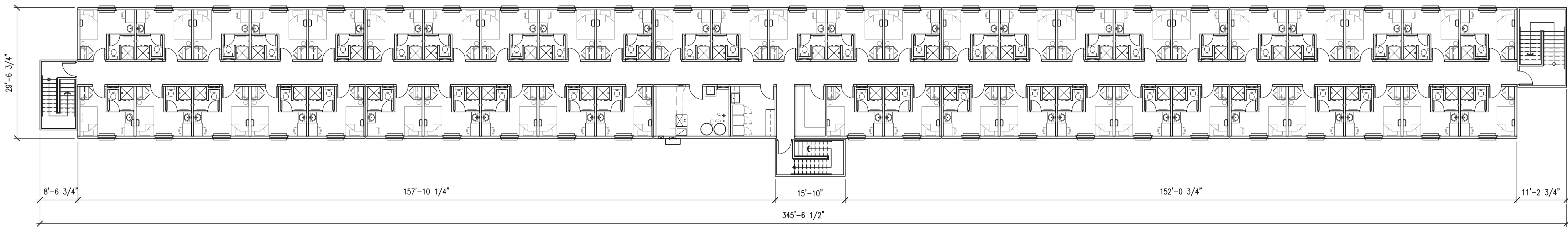
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**NORTHERN
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PROJECT
**SURMONT II
PROJECT
FORT McMURRAY, AB**

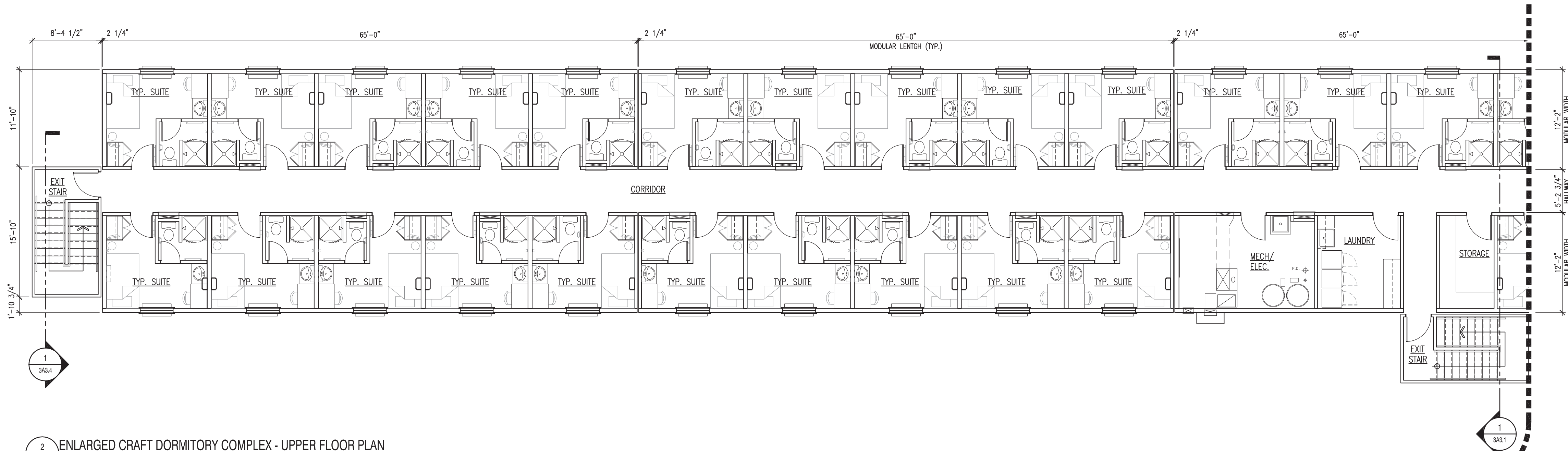
DRAWING
**CRAFT DORMITORY
PLANS - UPPER FLOOR**

DRAWN BY:	RM	PROF REVIEW:	BF
TECH REVIEW:	RM	FINAL REVIEW:	JF
DATE:	APRIL 2010		
CONSULTANT FILE NO.:	--		
S.P.A. PROJECT NO.:	10-034		
DRAWING FILE NO.:			

DRAWING NUMBER	REVISION
3A1.2	3

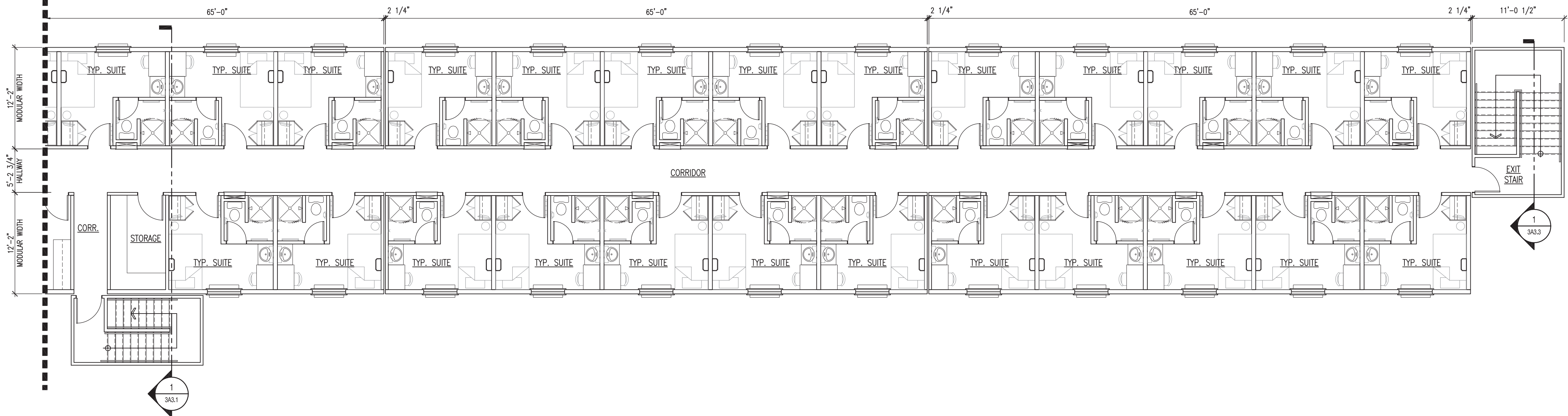


1 OVERALL CRAFT DORMITORY COMPLEX - UPPER FLOOR PLAN
1/16" = 1'-0"

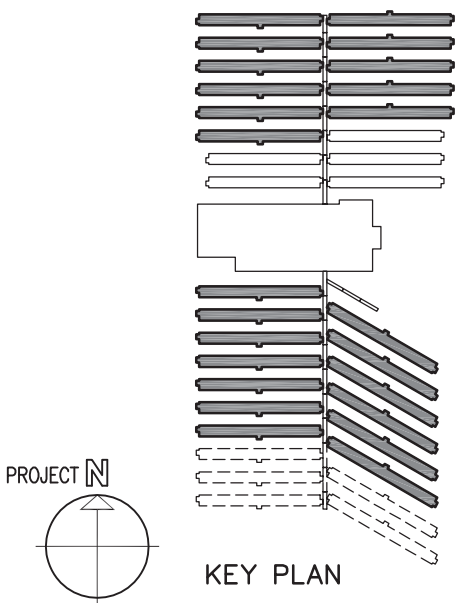


2 ENLARGED CRAFT DORMITORY COMPLEX - UPPER FLOOR PLAN
1/8" = 1'-0"

CONTINUATION



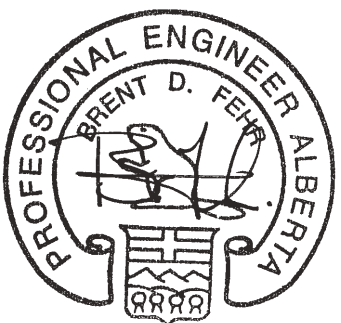
3 ENLARGED CRAFT DORMITORY COMPLEX - UPPER FLOOR PLAN
1/8" = 1'-0"





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APEGGA PERMIT
No. P03581
August 30, 2010

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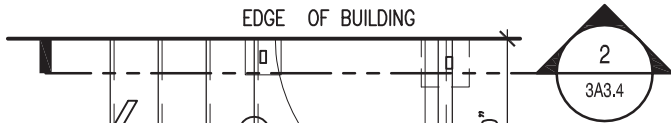
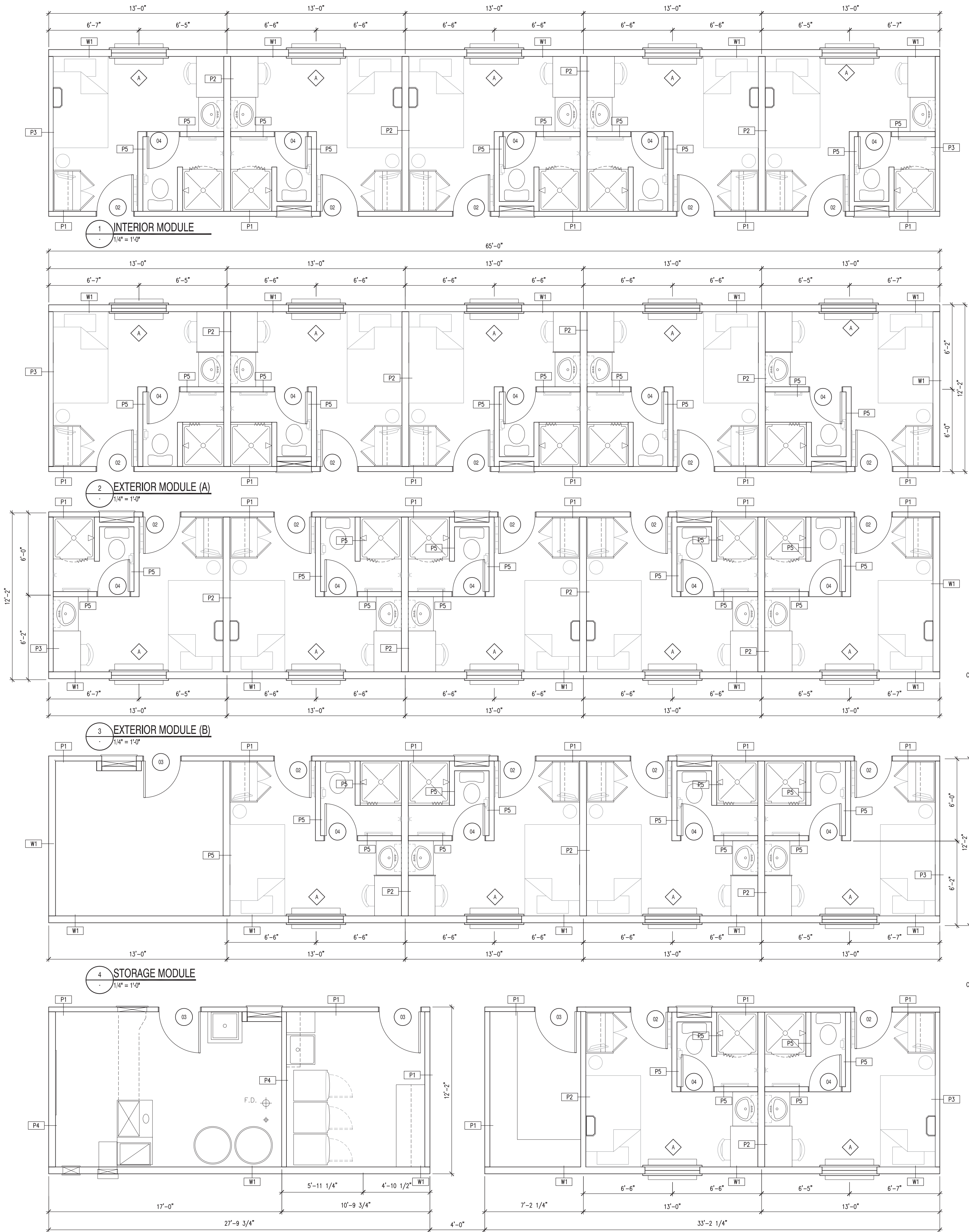
PROJECT
**SURMONT II
PROJECT
FORT McMURRAY, AB**

DRAWING
**CRAFT DORMITORY
PLANS - ENLARGED
FLOOR PLANS**

DRAWN BY:	RM	PROF REVIEW:	BF
TECH REVIEW:	RM	FINAL REVIEW:	JF
DATE:	APRIL 2010		
CONSULTANT FILE NO.:	--		
S.P.A. PROJECT NO.:	10-034		
DRAWING FILE NO.:			

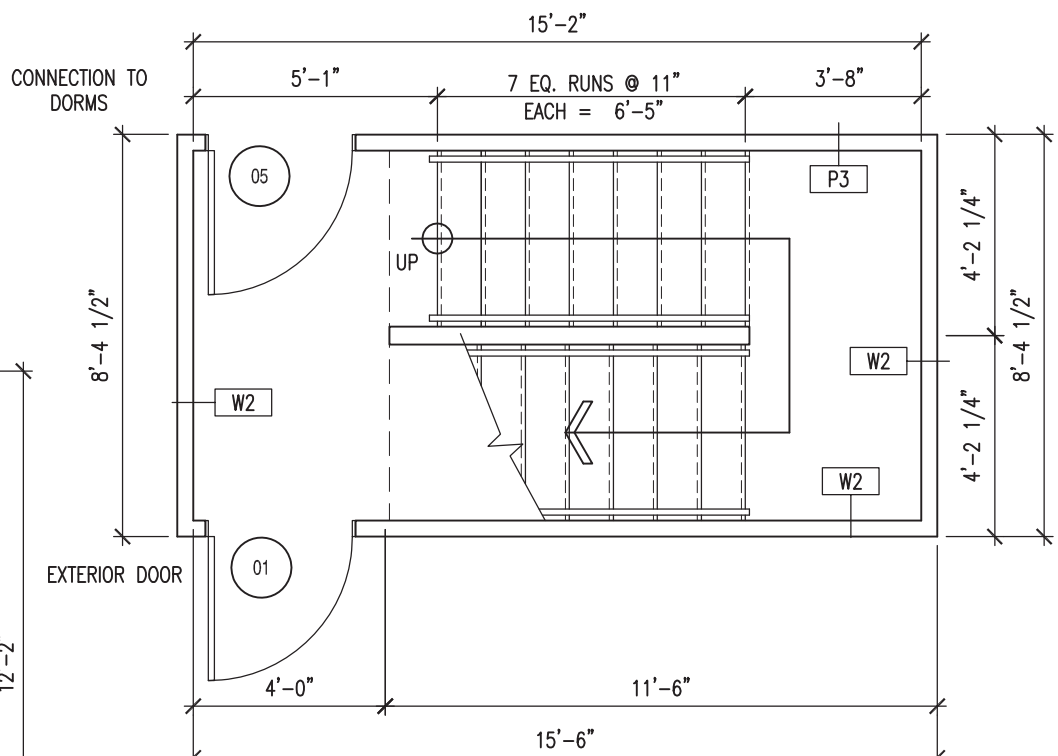
DRAWING NUMBER 3A1.3	REVISION 3
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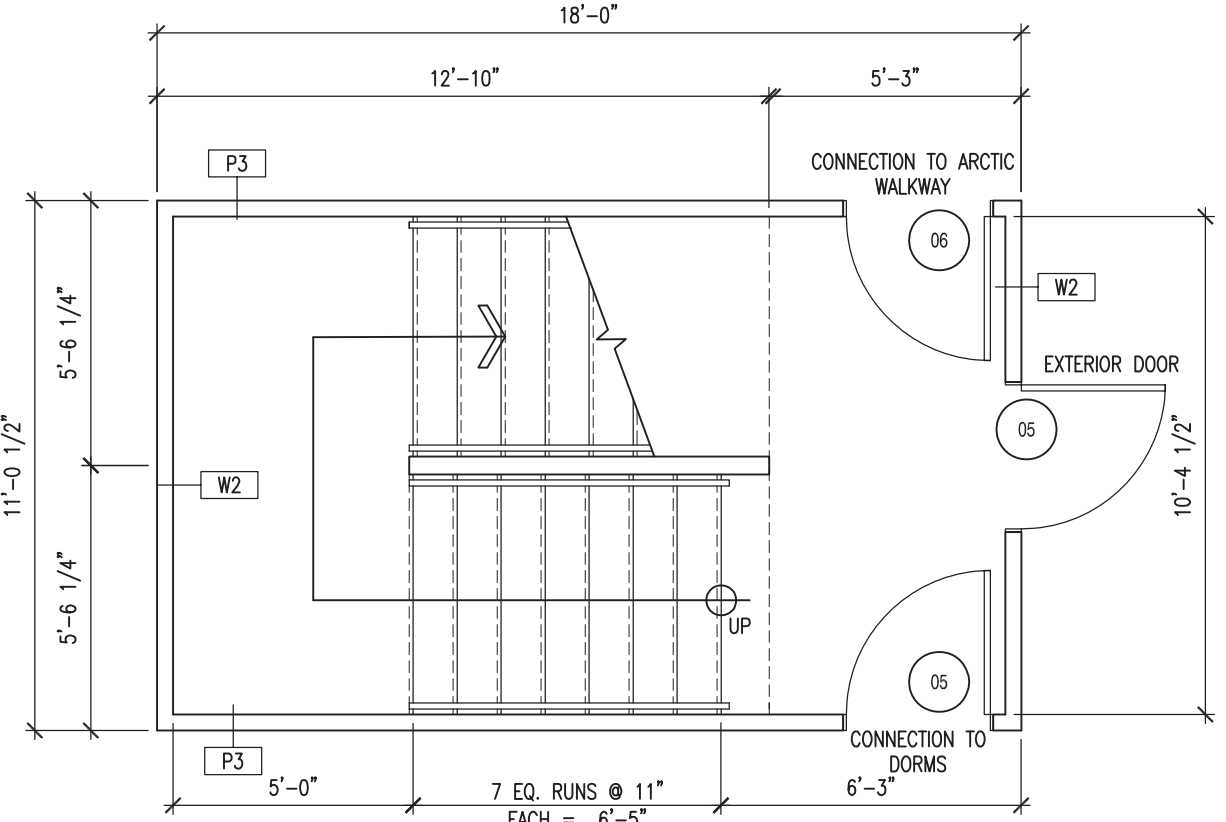


10 EXIT STAIR PLAN - TYPICAL
1/4" = 1'-0"

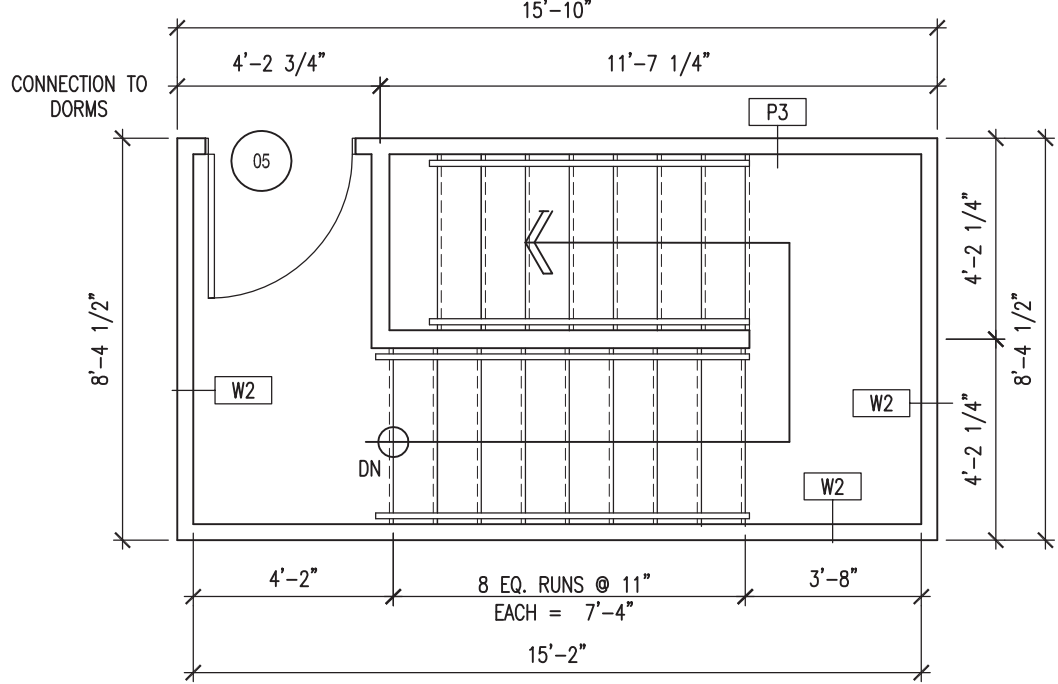
NOTE: REFER TO SHEET 3A6.1 FOR ALL SCHEDULES



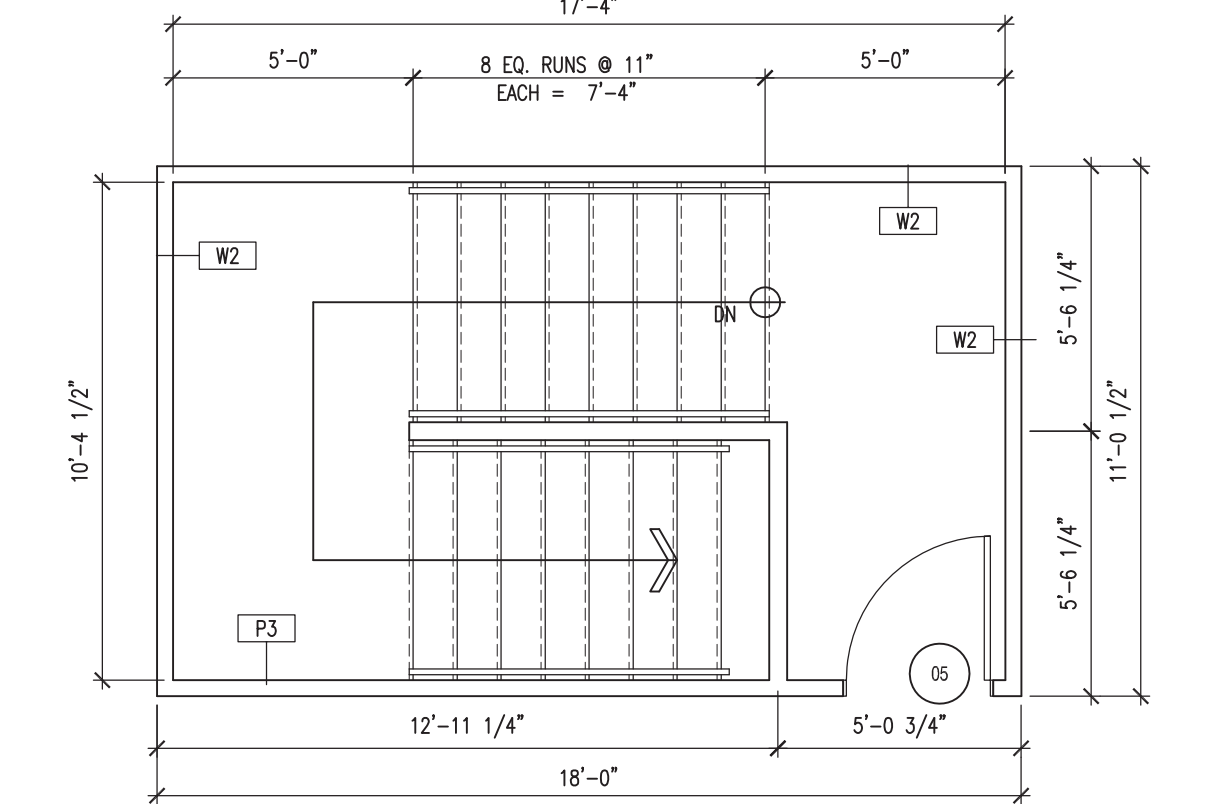
6 LOWER STAIRCASE
1/4" = 1'-0"



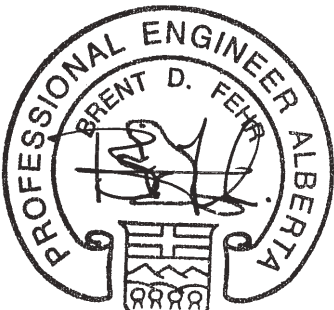
8 LOWER STAIRCASE (B)
1/4" = 1'-0"



7 UPPER STAIRCASE
1/4" = 1'-0"



9 UPPER STAIRCASE (B)
1/4" = 1'-0"



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No. P03581
August 30, 2010

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PROJECT

**SURMONT II
PROJECT
FORT McMURRAY, AB**

DRAWING

**CRAFT DORMITORY
ELEVATIONS**

DRAWN BY:	RM	PROF REVIEW:	BF
TECH REVIEW:	RM	FINAL REVIEW:	JF
DATE:	APRIL 2010		
CONSULTANT FILE NO.:	--		
S.P.A. PROJECT NO.:	10-034		

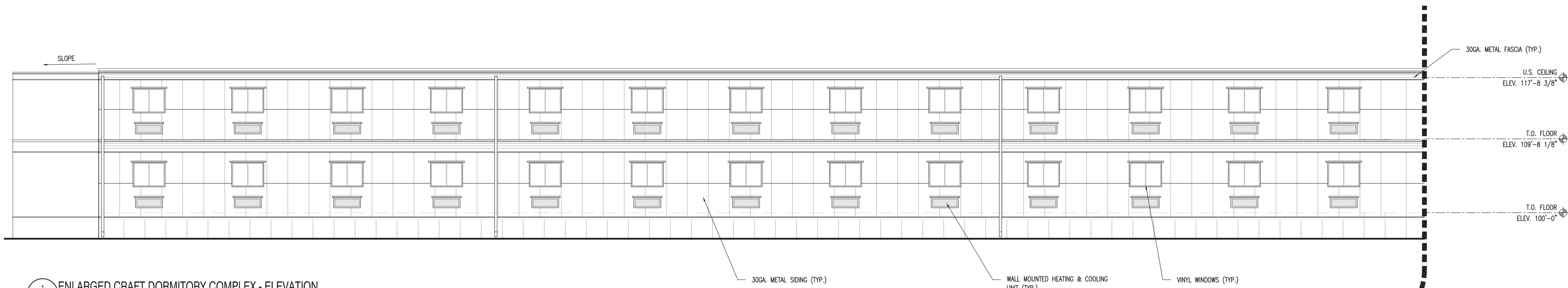
DRAWING FILE NO.:

DRAWING NUMBER	REVISION
3A2.1	3

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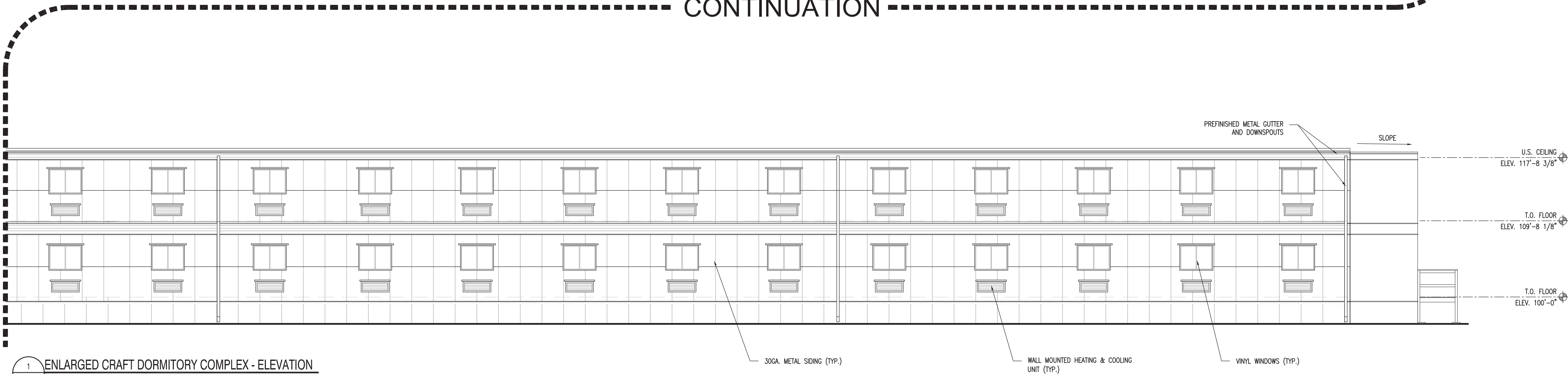


1 OVERALL CRAFT DORMITORY COMPLEX - ELEVATION
1/16" = 1'-0"

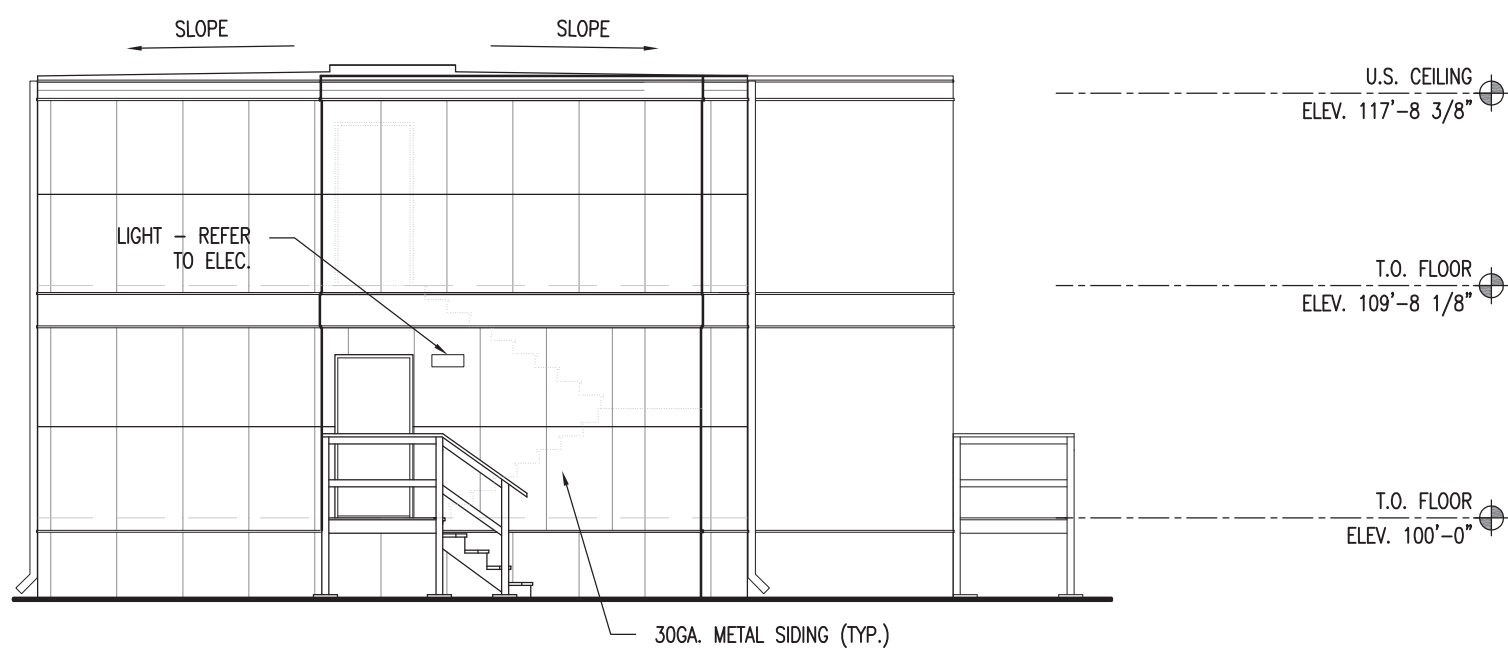


1 ENLARGED CRAFT DORMITORY COMPLEX - ELEVATION
1/8" = 1'-0"

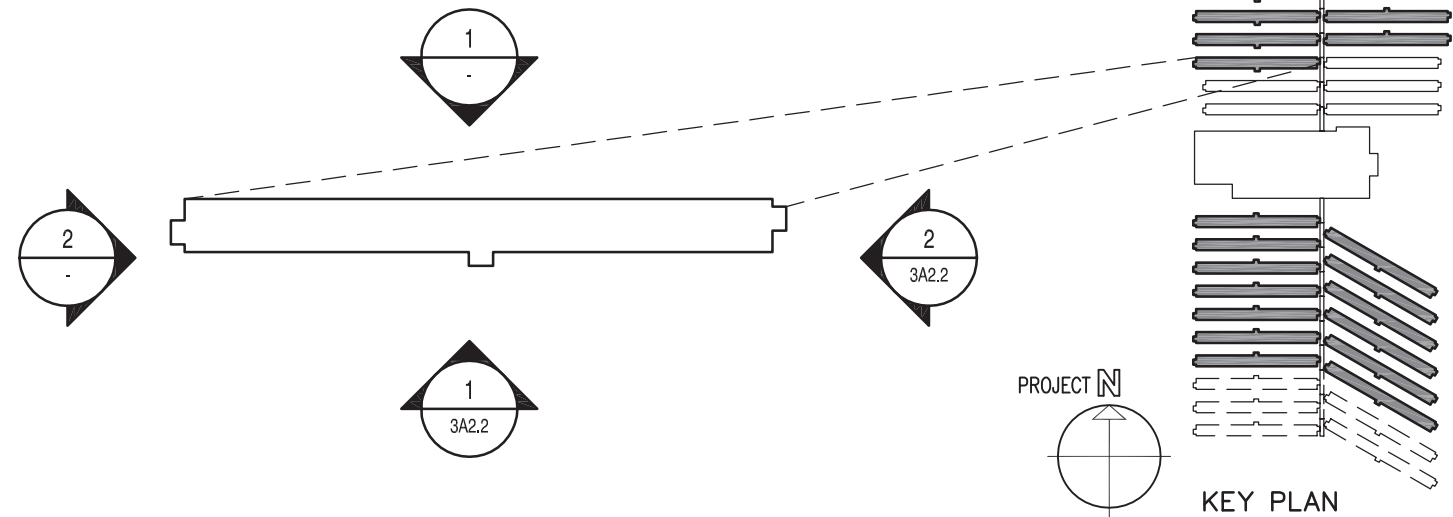
CONTINUATION

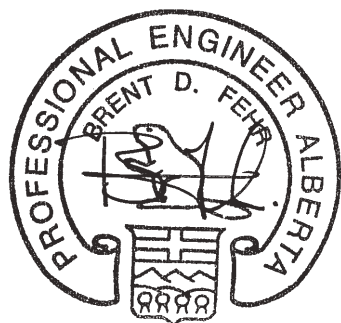


1 ENLARGED CRAFT DORMITORY COMPLEX - ELEVATION
1/8" = 1'-0"



2 ENLARGED CRAFT DORMITORY COMPLEX - ELEVATION
1/8" = 1'-0"





APEGGA PERMIT
No. P03581
August 30, 2010

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PROJECT

**SURMONT II
PROJECT
FORT McMURRAY, AB**

DRAWING

**CRAFT DORMITORY
ELEVATIONS**

DRAWN BY:	RM	PROF REVIEW:	BF
TECH REVIEW:	RM	FINAL REVIEW:	JF
DATE:	APRIL 2010		
CONSULTANT FILE NO.:	--		
S.P.A. PROJECT NO.:	10-034		
DRAWING FILE NO.:			

DRAWING NUMBER	REVISION
3A2.2	3

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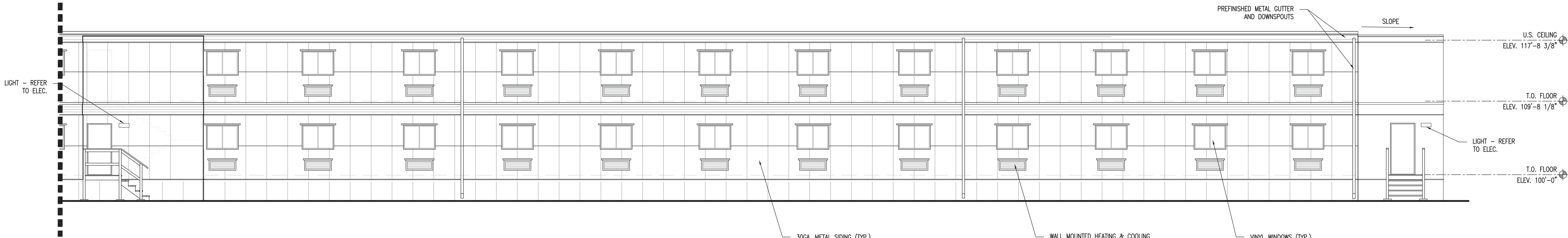


1 OVERALL CRAFT DORMITORY COMPLEX - ELEVATION
1/16" = 1'-0"

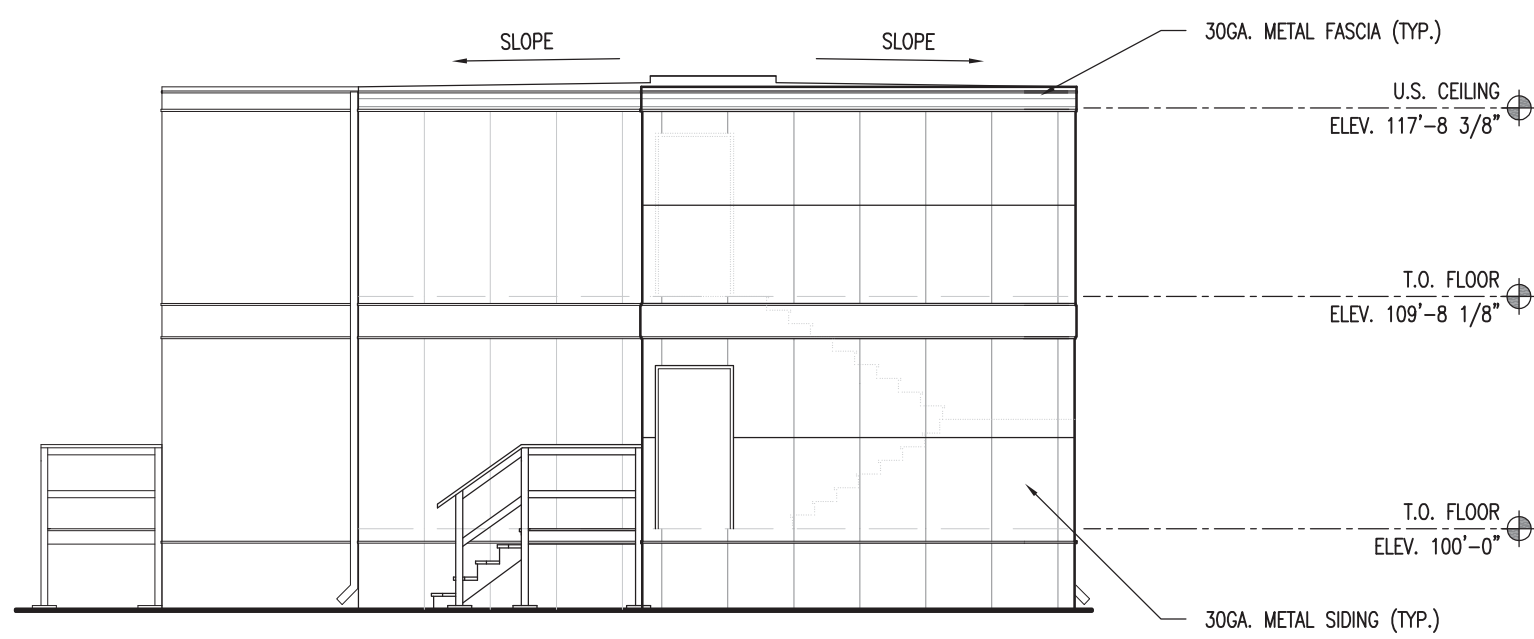


1 ENLARGED CRAFT DORMITORY COMPLEX - ELEVATION
1/8" = 1'-0"

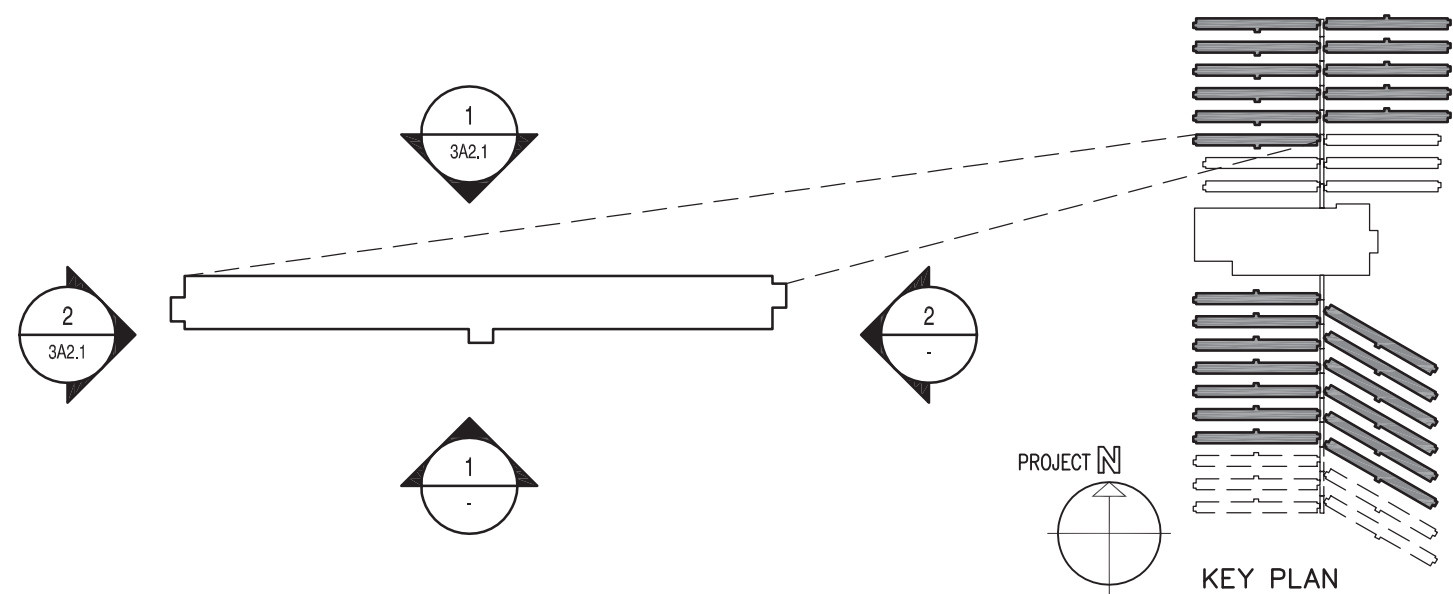
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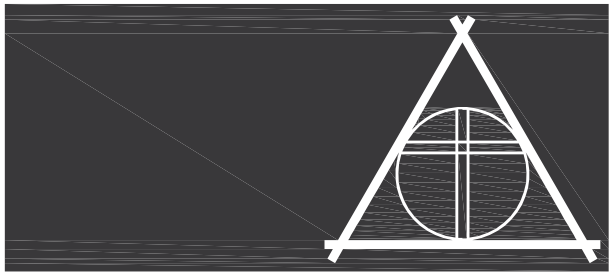


1 ENLARGED CRAFT DORMITORY COMPLEX - ELEVATION
1/8" = 1'-0"



2 ENLARGED CRAFT DORMITORY COMPLEX - ELEVATION
1/8" = 1'-0"





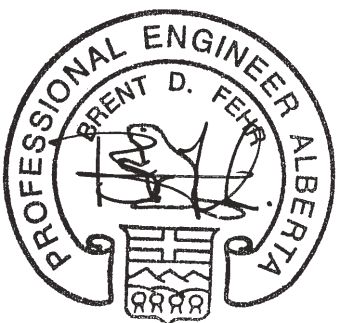
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August 30, 2010

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PROJECT

SURMONT II

PROJECT

FORT McMURRAY, AB

DRAWING

CRAFT DORMITORY

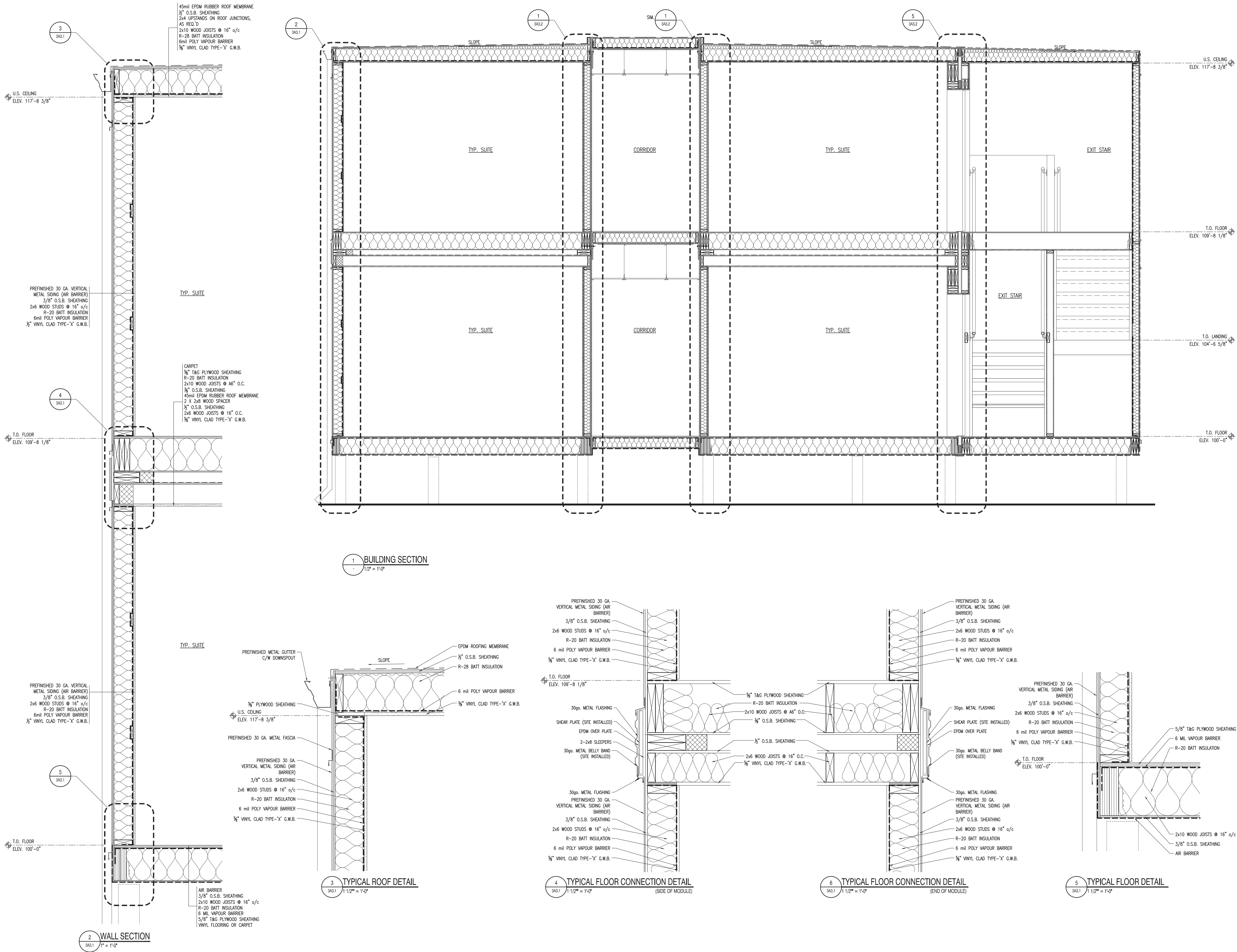
SECTIONS

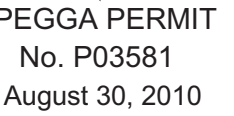
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TECH REVIEW:	RM	FINAL REVIEW:	JF
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DRAWING NUMBER	REVISION
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DRAWING

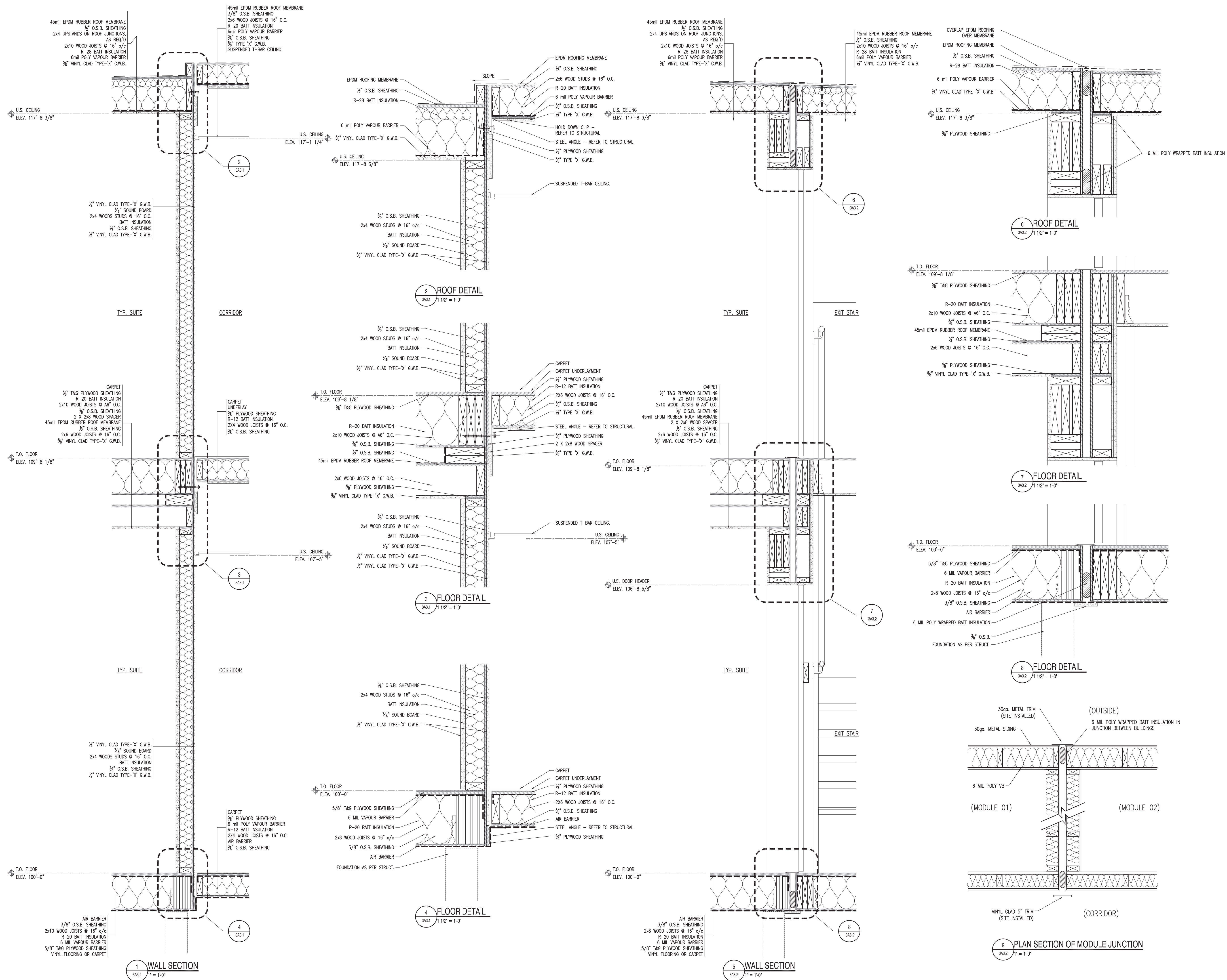
CRAFT DORMITORY

SECTIONS

DRAWING FILE NO.:

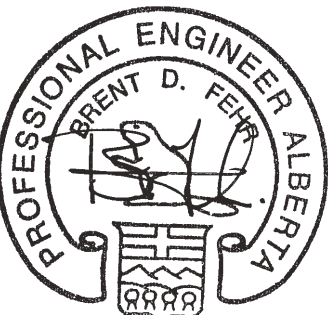
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APEGGA PERMIT
No. P03581
August 30, 2010

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**NORTHERN
TRAILER**

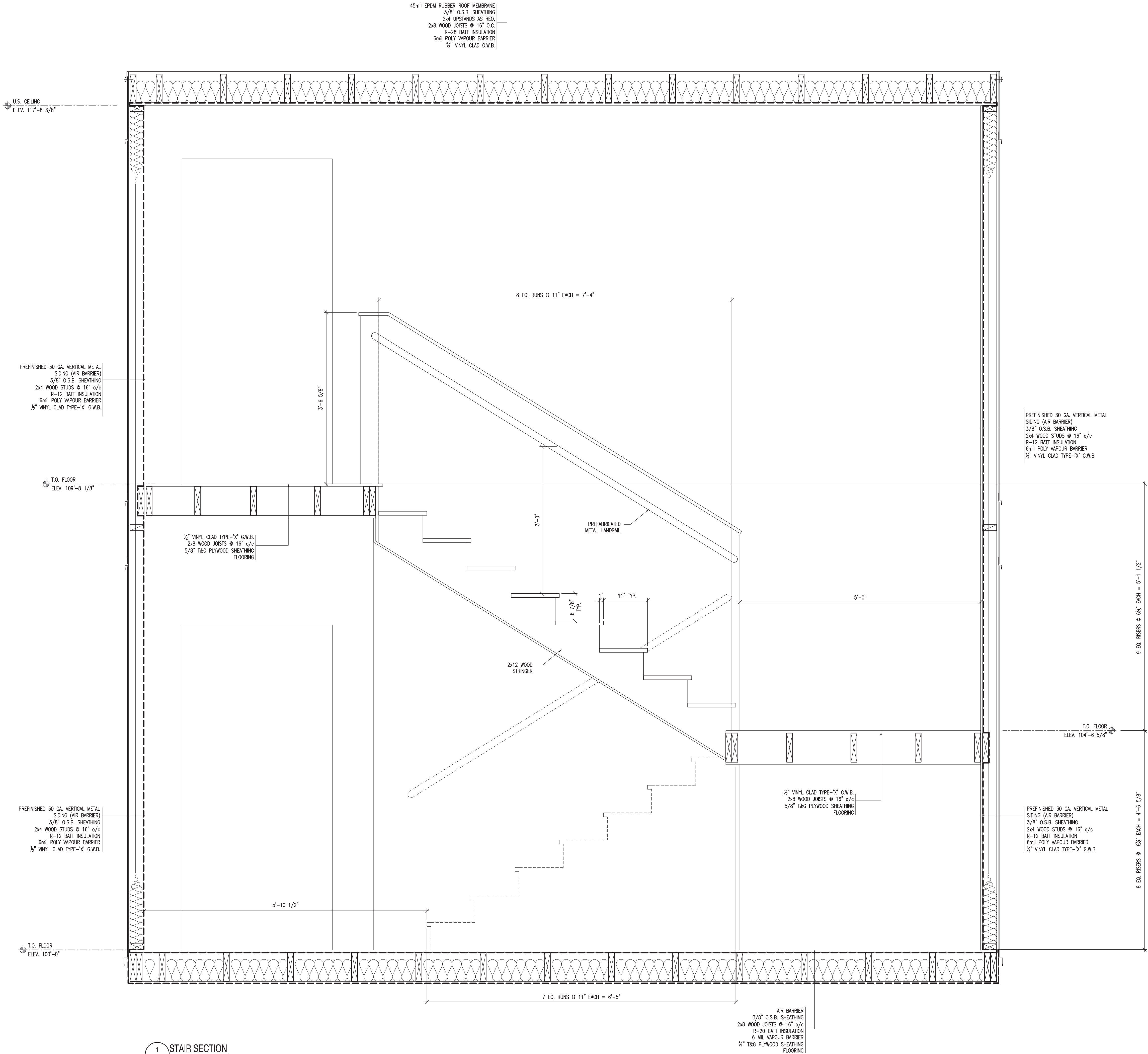
PROJECT
**SURMONT II
PROJECT
FORT McMURRAY, AB**

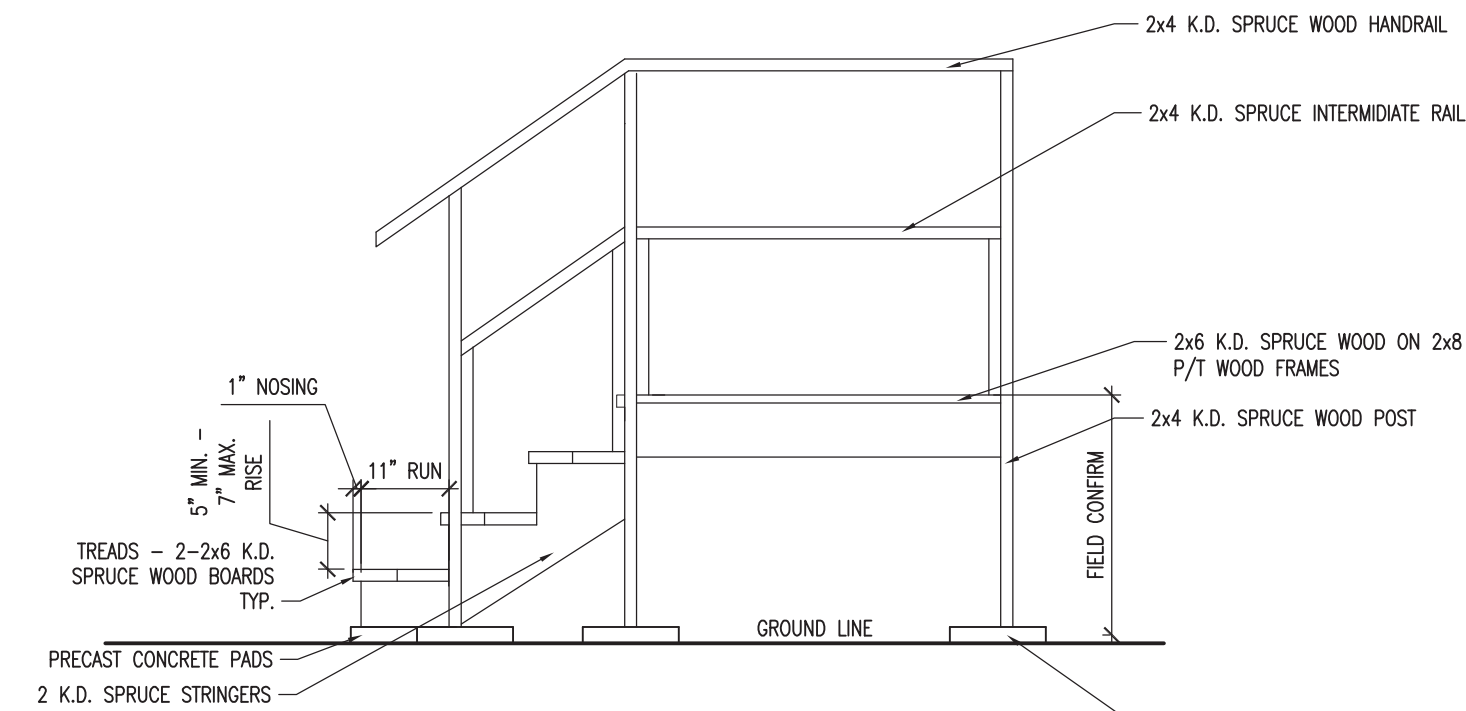
DRAWING
**CRAFT DORMITORY
SECTIONS**

DRAWN BY:	RM	PROF REVIEW:	BF
TECH REVIEW:	RM	FINAL REVIEW:	JF
DATE:	APRIL 2010		
CONSULTANT FILE NO.:	--		
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DRAWING FILE NO.:			

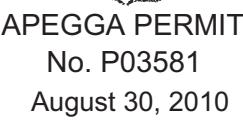
DRAWING NUMBER 3A3.3	REVISION 3
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2 EXIT STAIR SECTION - TYPICAL
3A1.3 1/2" = 1'-0"



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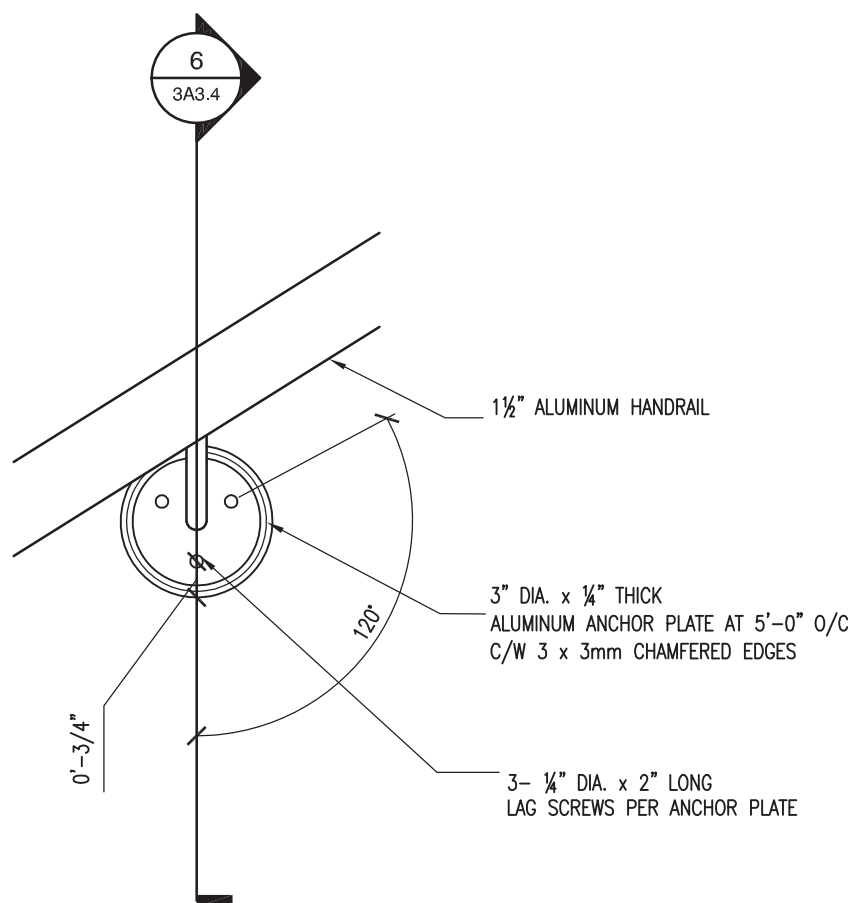
TRAILER

PROJECT
SURMONT II
PROJECT
FORT McMURRAY, AB

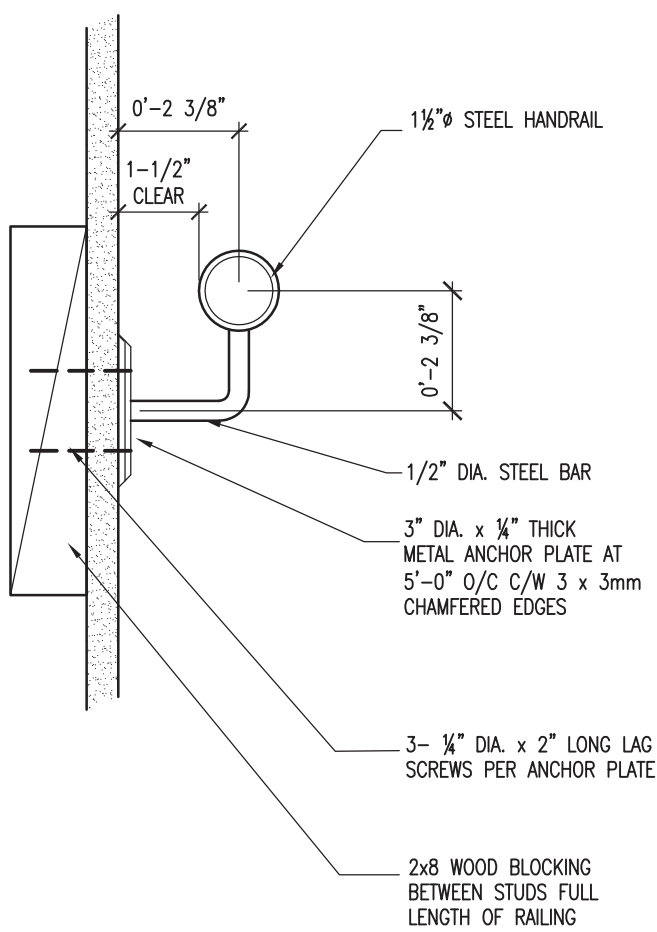
DRAWING
CRAFT DORMITORY
SECTIONS

S.P.A. PROJECT NO.: 10-034

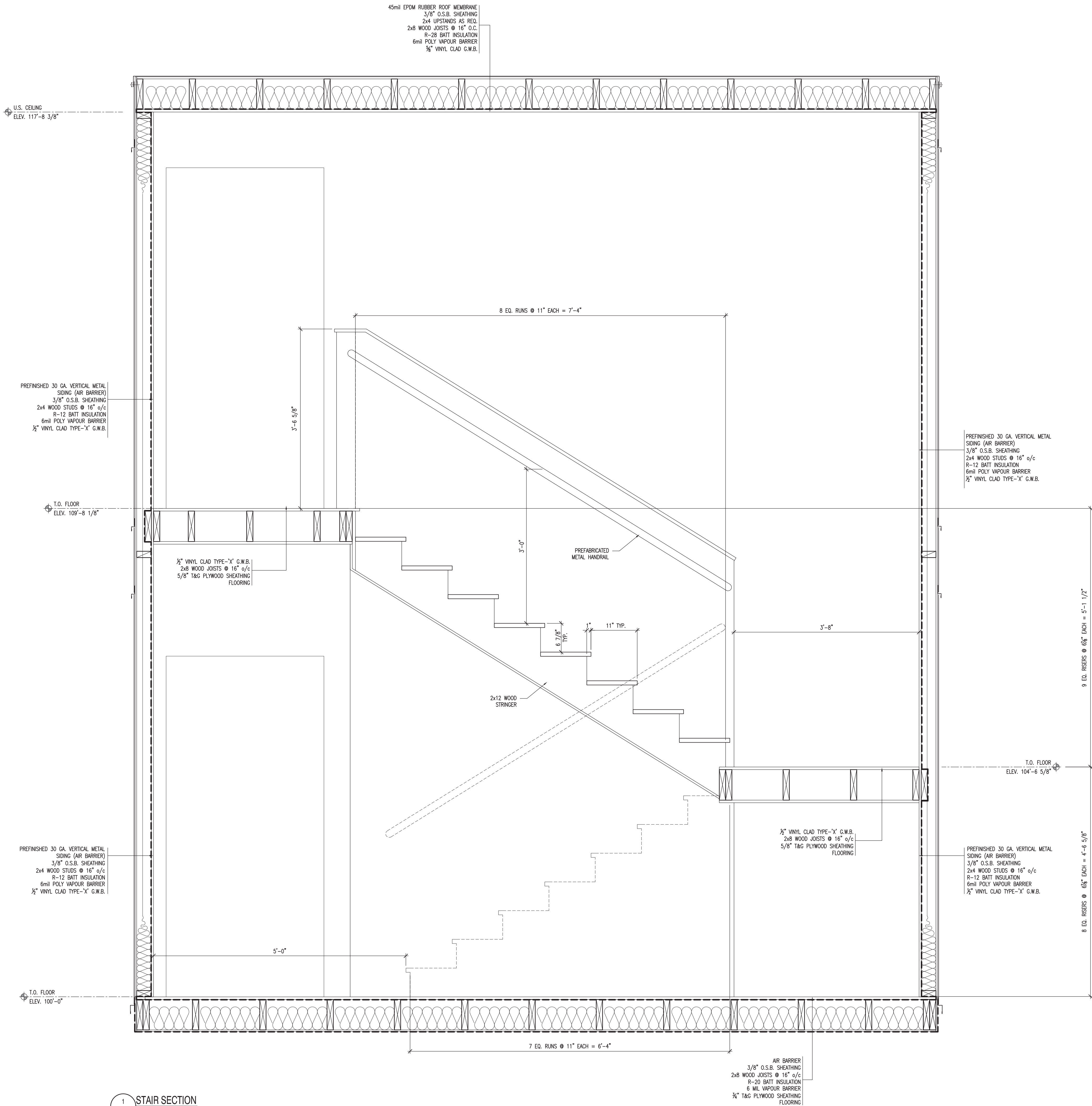
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5 TYPICAL HAND RAIL DETAIL
A3.3 1" = 1'-0"



6 TYPICAL HAND RAIL DETAIL
3A3.3 1" = 1'-0"

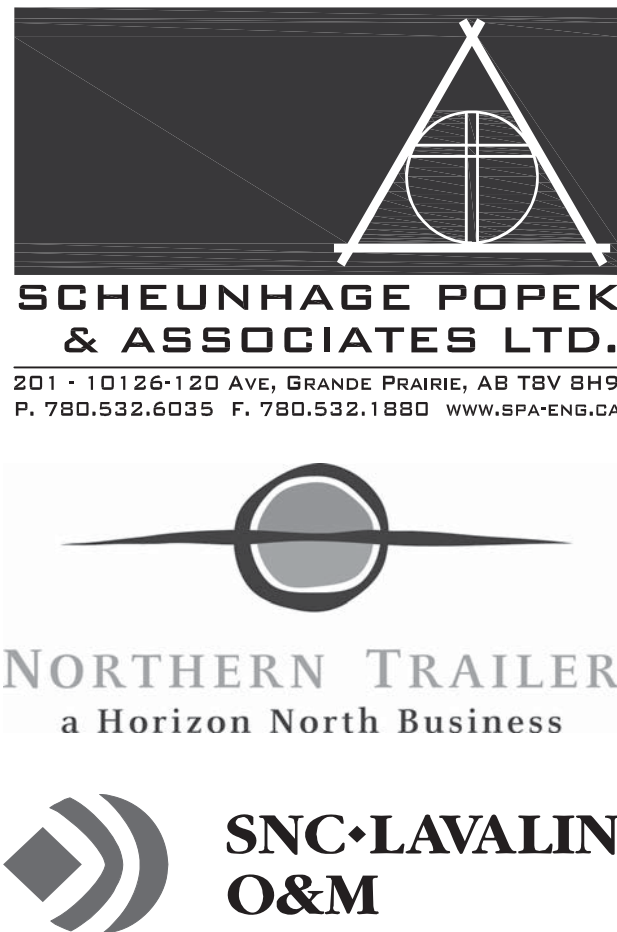


1 STAIR SECTION
1' = 1'-0"

DOOR SCHEDULE							
TAG	SIZE	R.O.	LOCATION	DESCRIPTION	HARDWARE	CLOSER	NOTES
①	3'0"x6'8"	37"\\x81"	EXITS FROM STAIRS TO OUTSIDE	PAINTED METAL, INSULATED, PAINTED KNOCK-DOWN EXPANDABLE FRAME, SEALED SAFETY GLASS 1/2 LITE, NRP HINGES, WEATHER STRIPPING	ENTRY/EXIT PANIC HARDWARE, VON DUPRIN 98 SERIES KEYLESS ENTRY SYSTEM KABA ILOCO 790	YES	
②	2'8"x6'8"	33"\\x81"	BEDROOM ENTRY	PAINTED METAL, NON-INSULATED, PAINTED KNOCK-DOWN EXPANDABLE FRAME, ALUMINUM THRESHOLD, DOOR LABEL SOUND STRIPPING, DOOR SWEEP	KEYLESS ENTRY KABA ILOCO 790	YES	20 MIN RATED C/W LABEL
③	3'0"x6'8"	37"\\x81"	LAUNDRY, STORAGE, MECHANICAL ROOM	PAINTED METAL, NON-INSULATED, PAINTED KNOCK-DOWN EXPANDABLE FRAME, ALUMINUM THRESHOLD, DOOR LABEL	SCHLAGE KEYWAY TL53 LOCKSET KEYED ALIKE MASTER KEYED	YES	45 MIN RATED C/W LABEL
④	2'4"x6'8"	30"x82"	WASHROOM	HOLLOW CORE PAINTED WOOD PAINTED RABETTED WOOD FRAME	TAYMOR VILLA PROFESSIONAL SERIES, BALL KNOB PASSAGE SET	NO	
⑤	3'0"x6'8"	37"\\x81"	EXIT FROM DORM INTO STAIRS	PAINTED METAL, NON-INSULATED, PAINTED KNOCK-DOWN EXPANDABLE FRAME, SAFETY GLASS 1/2 LITE, NRP HINGES, MAGNET DOOR HOLDER	ENTRY/EXIT PANIC HARDWARE, DOREX 8500 SERIES C/W 8505 LOCKING THUMB LATCH	YES	45 MIN RATED C/W LABEL
⑥	3'0"x6'8"	37"\\x81"	ENTRY FROM ARCTIC WALKWAY INTO STAIRS	PAINTED METAL, NON-INSULATED, PAINTED KNOCK-DOWN EXPANDABLE FRAME SAFETY GLASS 1/2 LITE, NRP HINGES, MAGNET DOOR HOLDER	ENTRY/EXIT PANIC HARDWARE, DOREX 8500 SERIES C/W 8505 LOCKING THUMB LATCH	YES	45 MIN RATED C/W LABEL

WINDOW SCHEDULE
A 4'-0"x3'-0" VINYL REBATE C/W PVC JAMB, PREFINISHED WHITE, HORIZ. SLIDER, 1/2" SEALED AIR, SCREENS, ROLLER SHADE WINDOW COVERINGS

WALL SCHEDULE			
EXTERIOR WALLS	WALL DESCRIPTION	A.B.C. (06) REF	WALL DIAGRAM
WALL TYPES (WOOD/STEEL/CMU/ICF)			
-W1 (45min. FR)	30ga STEEL SPLIT SIDING (AIR BARRIER) 3/8" O.S.B. SHEATHING 2x6 STUDS @ 16" O.C. R-20 BATT INSULATION 6 mil POLY VAPOUR BARRIER 1/2" VINYL CLAD TYPE "X" GYPROC	--	
-W2	30ga STEEL SPLIT SIDING (AIR BARRIER) 3/8" O.S.B. SHEATHING 2x4 STUDS @ 16" O.C. R-12 BATT INSULATION 6 mil POLY VAPOUR BARRIER 1/2" VINYL CLAD TYPE "X" GYPROC	--	
INTERIOR PARTITIONS	WALL DESCRIPTION	A.B.C. (06) REF	WALL DIAGRAM
PARTITION TYPES (WOOD/STEEL/CMU/ICF)			
-P1 (45M F.R.)	1/2" VINYL CLAD TYPE "X" GYPROC 1/4" DONNACONA SOUND BOARD 2x4 WOOD STUDS @ 16" O.C. "TROLL" MINERAL WOOL INSULATION 3/8" O.S.B. SHEATHING (CORROSE SID) 1/2" VINYL CLAD TYPE "X" GYPROC		
-P2 (SCT 55) (45M F.R.)	2 LAYERS - 1/2" VINYL CLAD TYPE "X" GYPROC RESILIENT CHANNELS @ 24" O.C. 2x4 WD STUDS @ 16" O.C. R-12 BATT INSULATION 2 LAYERS - 1/2" VINYL CLAD TYPE "X" GYPROC	A-9.10.3.1	
-P3 (45M F.R.)	1/2" VINYL CLAD TYPE "X" GYPROC 2x4 WD STUDS @ 16" O.C. R-12 BATT INSULATION 3/8" O.S.B. SHEATHING 30 ga METAL SIDING (BEDROOM COMPLEX)	--	
-P4 (SCT 55) (1HR. F.R.)	3/8" VINYL CLAD TYPE "X" GYPROC 2x4 WD STUDS @ 16" O.C. BATT INSULATION 3/8" VINYL CLAD TYPE "X" GYPROC	A-9.10.3.1	
-P5 (45M F.R.)	1/2" VINYL CLAD TYPE "X" GYPROC 2x4 WD STUDS @ 16" O.C. R-12 BATT INSULATION 1/2" VINYL CLAD TYPE "X" GYPROC		



NOTES

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ISSUED FOR	REVISION	DATE (YR.MO.DA.)
95% CLIENT REVIEW	1	10.05.10
100% CLIENT REVIEW	1	10.05.17
CONSTRUCTION	1	10.05.18
REVISION 2	2	10.06.28
FINAL REVIEW	2	10.07.05
ISSUED FOR PERMIT	3	10.08.27

CLIENT

NORTHERN TRAILER

PROJECT

SURMONT II PROJECT

FORT McMURRAY, AB

DRAWING

CRAFT DORMITORY SCHEUDLES

DRAWN BY:	RM	PROF REVIEW:	BF
TECH REVIEW:	RM	FINAL REVIEW:	JF
DATE:	APRIL 2010		
CONSULTANT FILE NO.:	--		
S.P.A. PROJECT NO.:	10-034		
DRAWING FILE NO.:			
DRAWING NUMBER	REVISION		
3A6.1	3		

DESIGN LOADS – Fort McMurray, Alberta

UNLESS NOTED OTHERWISE SPECIFIED LOADS ARE SHOWN:

- LATERAL LOADS FROM WIND AND SEISMIC
 - FOR WIND LOADS:
 - REFERENCE VELOCITY PRESSURE (q 1/10) 0.27 kPa
 - REFERENCE VELOCITY PRESSURE (q 1/50) 0.35 kPa
 - INTERNAL PRESSURE CATEGORY 0
 - FOR SEISMIC LOADS:
 - S_s (0.2) 0.12
 - S_s (0.5) 0.06
 - S_s (1.0) 0.02
 - S_s (2.0) 0.01
 - PGA 0.06
 - IMPORTANCE FACTOR 1.0
 - FOUNDATION FACTOR AS PER GEOTECH.
- SPECIFIED IMPOSED LOADS FOR FLOOR AND ROOF DESIGN (UNLESS SHOWN OTHERWISE ON PLANS)
 - ROOF LOADS:
 - SNOW 1.38 kPa + DRIFT
 - ONE DAY RAIN (24 HOURS) 92 mm
 - FLOOR LOADS:
 - MECHANICAL 3.6 kPa
 - STORAGE 4.8 kPa
 - SUITE 1.9 kPa
 - CORRIDOR (MAIN FLOOR) 4.8 kPa
 - CORRIDOR (UPPER FLOOR) 1.9 kPa
- CLIMATIC LOADS FROM SNOW
 - FOR SNOW LOADS:
 - S_s (1/50) 1.6 kPa
 - S_r (1/50) 0.1 kPa

GENERAL STRUCTURAL NOTES

- READ STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL DRAWINGS, SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS FOR DETAILED DIMENSIONS OF DOORS, WINDOWS, DUCTS, OPENINGS, REBATES, CHASERS, NAILERS, ETC.
- CHECK AND VERIFY ALL DIMENSIONS WITH THE CONTRACT DOCUMENTS BEFORE COMMENCING ANY WORK. NOTIFY THE CONSULTANT OF ANY ERRORS OR OMISSIONS.
- DRAWINGS SHOW COMPLETED STRUCTURES ONLY. TEMPORARY BRACING FOR CONSTRUCTION LOADING CONDITION AND TRANSPORTATION IS THE RESPONSIBILITY OF THE SUPPLIER AND CONTRACTOR.
- DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED "ISSUED FOR CONSTRUCTION".

SCHEUNHAGE POPEK & ASSOCIATES LTD. WILL REVIEW SHOP DRAWINGS PERTAINING TO WORK SHOWN ON SCHEUNHAGE POPEK'S DRAWINGS. THE EXTENT OF THIS REVIEW IS AT THE SOLE DISCRETION OF SCHEUNHAGE POPEK'S ENGINEER AND IS FOR THE SOLE PURPOSE OF ASCERTAINING GENERAL CONFORMANCE WITH THE STRUCTURAL DESIGN CONCEPT. THE REVIEW IS NOT AN APPROVAL OF THE DESIGN, DETAILS AND DIMENSIONS INHERENT IN THE CONTRACTORS SUBMITTING THEM. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR ERRORS AND OMISSIONS IN THE SHOP DRAWINGS OR FOR MEETING ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

SUBMISSIONS AND INSPECTIONS

- ALL REQUIRED SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO START OF FABRICATION. SHOP DRAWINGS REQUIRING PROFESSIONAL ENGINEER'S SEAL WILL NOT BE ACCEPTED WITHOUT IT.
- NOTIFY THE ENGINEER 48 HOURS IN ADVANCE FOR INSPECTION AND APPROVAL OF THE FOLLOWING:
 - FRAMING BEFORE COVERING UP
 - PREFINAL PRIOR TO SHIPPING
 - FINAL PRIOR TO OCCUPANCY

SCHEUNHAGE POPEK & ASSOCIATES LTD. WILL REVIEW SHOP DRAWINGS PERTAINING TO WORK SHOWN ON SCHEUNHAGE POPEK'S DRAWINGS. THE EXTENT OF THIS REVIEW IS AT THE SOLE DISCRETION OF SCHEUNHAGE POPEK'S ENGINEER AND IS FOR THE SOLE PURPOSE OF ASCERTAINING GENERAL CONFORMANCE WITH THE STRUCTURAL DESIGN CONCEPT. THE REVIEW IS NOT AN APPROVAL OF THE DESIGN, DETAILS AND DIMENSIONS INHERENT IN THE CONTRACTORS SUBMITTING THEM. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR ERRORS AND OMISSIONS IN THE SHOP DRAWINGS OR FOR MEETING ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS.

NON-STRUCTURAL ELEMENTS

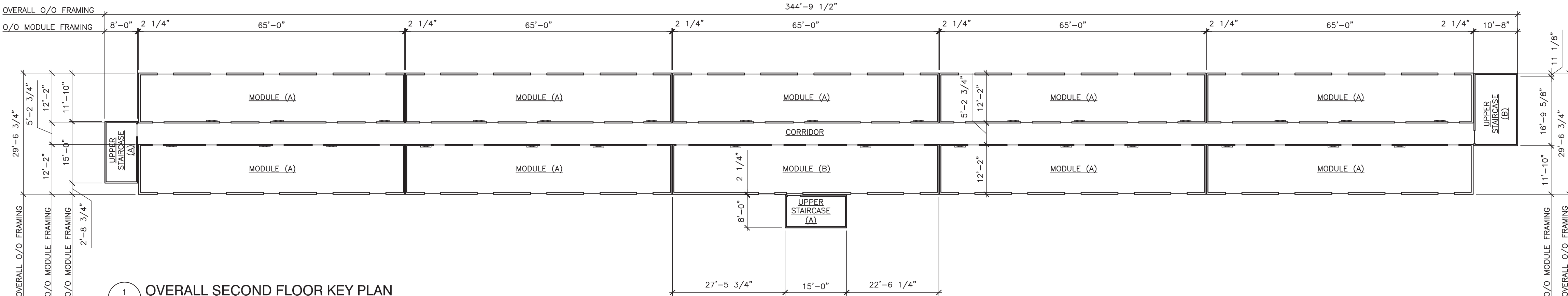
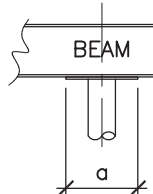
- "NON-STRUCTURAL" OR "SECONDARY STRUCTURAL" ELEMENTS ARE NOT THE RESPONSIBILITY OF SCHEUNHAGE POPEK & ASSOCIATES LTD. WHERE STRUCTURAL ENGINEERING RESPONSIBILITY IS REQUIRED FOR THESE ELEMENTS, THIS SHALL BE PROVIDED BY THE SPECIALTY ENGINEERS, WHO SHALL ALSO PROVIDE ANY LETTERS REQUIRED BY THE BUILDING PERMIT AUTHORITIES.
- EXAMPLES OF NON-STRUCTURAL ELEMENTS INCLUDE, BUT ARE NOT LIMITED TO:
 - ARCHITECTURAL COMPONENTS SUCH AS GUARDRAILS, HANDRAILS, FLAG POSTS, CANOPIES, CEILING, MILLWORK, ETC.
 - LANDSCAPE ELEMENTS SUCH AS BENCHES, LIGHT POSTS, PLANTERS, ETC.
 - CLADDING, GLAZING, WINDOW MULLIONS, INTERIOR AND EXTERIOR STUD WALLS (NON LOAD BEARING).
 - ARCHITECTURAL PRECAST, PRECAST CLADDING.
 - SKYLIGHTS
 - MECHANICAL AND ELECTRICAL EQUIPMENT, COMPONENTS AND THEIR ATTACHMENT DETAILS.
 - WINDOW WASHING EQUIPMENT AND ITS ATTACHMENTS.
 - ESCALATORS, ELEVATORS AND CONVEYING SYSTEMS.
 - BRICK OR BLOCK VENEERS AND THEIR ATTACHMENTS.
 - NON-LOAD BEARING MASONRY.
 - NON-STRUCTURAL CONCRETE TOPPING.

WOOD FRAMING NOTES

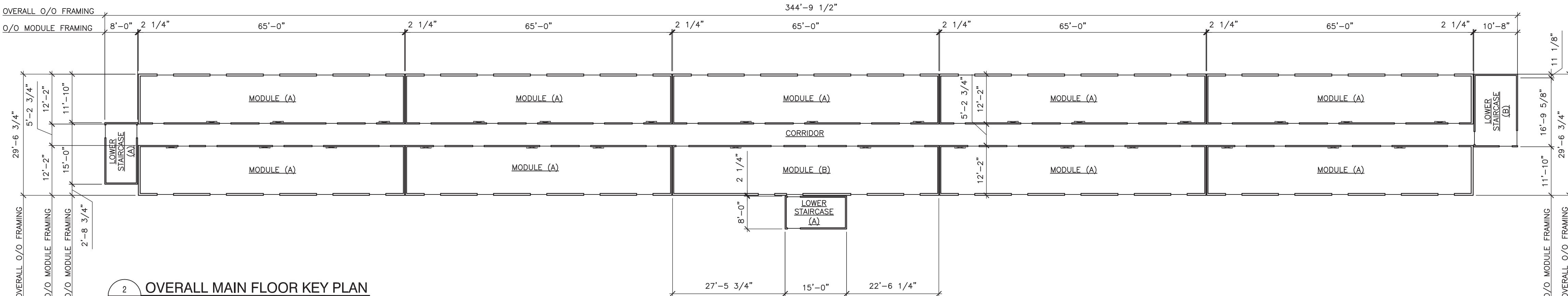
- ALL LUMBER, SHEATHING AND MANUFACTURED WOOD PRODUCTS SHALL MEET OR EXCEED THE APPLICABLE CSA STANDARD FOR THAT PRODUCT. USE ONLY PRODUCTS SUITABLE FOR THE INTENDED FINAL USE AND CONDITIONS PREVALENT DURING CONSTRUCTION. PROTECT ALL MATERIALS FROM THE WEATHER DURING STORAGE, TRANSPORT, AND INSTALLATION.
- ALL WOOD STUDS, LINTELS, JOISTS, POSTS, AND BEAMS TO BE S.P.F. #2 OR BETTER UNO ON DRAWINGS.
- ALL FRAMING LUMBER SHALL BE KILN DRIED TO A MOISTURE CONTENT OF LESS THAN 19% PRIOR TO CONSTRUCTION.
- WOOD FRAMING TO CONFORM TO THE APPLICABLE BUILDING CODE UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
- ALL TWO STOREY WALLS AND SPLIT LEVEL WALLS WITHOUT INTERMEDIATE FLOORS SHALL BE BALLOON FRAMED TO PREVENT HINGING. NO SPLICES UNLESS DETAILED OTHERWISE.
- THE CONTRACTOR SHALL BRING ANY DISCREPANCIES IN DIMENSIONS ETC. TO THE ATTENTION OF THE CONSULTANT PRIOR TO COMMENCING WORK.

FRAMING NOTES:

- MINIMUM BEARING LENGTH AT SUPPORT (Lb)
 - $a=8"$ AT INTERIOR SUPPORT
 - $a=4"$ AT EXTERIOR SUPPORT
- ALL LOWER FLOOR JOISTS TO BE SUPPORTED ON LVL BEAMS BY "SIMPSON LUS24L" OR EQUAL JOIST HANGER.
- CONTRACTOR TO CONFIRM ALL DOOR & WINDOW LOCATIONS & DIMENSIONS WITH ARCH.
- CONTRACTOR TO CONFIRM ALL DIMENSIONS PRIOR TO COMMENCING WORK.
- JOIST SPACING NOT TO EXCEED 16" O/C (U.N.O.) DECREASE SPACING AS REQUIRED FOR COORDINATION OF PENETRATIONS.
- "SWx" ON PLANS DENOTES WOOD STUD WALLS. REFER TO STUD WALL SCHEDULE.
- REFER TO ARCH. DRAWINGS FOR STAIR FRAMING & ROUGH OPENING FOR STAIRCASE.
- CONTRACTOR TO PROVIDE FLEXIBLE CONNECTION BETWEEN NON LOAD BEARING WALLS AND JOISTS TO ALLOW FOR DEFLECTION.
- FRAME FLOOR OPENINGS AS REQUIRED FOR ACCESS AND MECHANICAL DUCT OPENINGS.
- COORDINATE ALL DUCT OPENING SIZES & LOCATIONS WITH MECHANICAL.



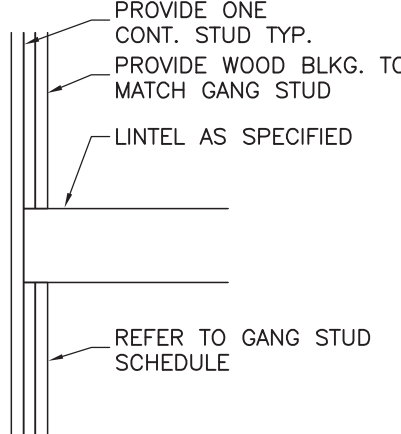
1 OVERALL SECOND FLOOR KEY PLAN
1/16" = 1'-0"



2 OVERALL MAIN FLOOR KEY PLAN
1/16" = 1'-0"

STANDARD STRUCTURAL DRAWING ABBREVIATIONS

A.B. APPROX OR ±	ANCHOR BOLT	MAX MECH	MAXIMUM MECHANICAL
ARCH	ARCHITECT	MEZZ	MEZZANINE
BOT	BOTTOM	MIN	MINIMUM
BLK	BLOCK	MISC	MISCELLANEOUS
BL	BOTTOM LOWER LAYER	N.D. BARS	NELSON DEFORMED BARS
BUL	BOTTOM LOWER LAYER	N.I.C	NOT IN CONTRACT
C.B.	CATCH BASIN	N.S	NEAR SIDE
C.I.P.	CAST IN PLACE	N.STUD	NELSON STUD
C.J.	CONSTRUCTION JOINT	N.T.S	NOT TO SCALE
C.L.	CENTRE LINE	No. OR #	NUMBER
C/C	CENTRE TO CENTRE	O.D	OUTSIDE DIAMETER
C/W	COMPLETE WITH	O.F	OUTSIDE FACE
COL	COLUMN	OPP	OPPOSITE
CONC	CONCRETE	OPNG	OPENING
CONT	CONTINUOUS	OWSJ	OPEN WEB STEEL JOIST
DP	DEEP OR DEPTH	P/C	PRECAST
DIA	DIAMETER	PERM	PERIMETER
DIAG	DIAGONAL	PERP	PERPENDICULAR
DO OR DO	DITTO	PL	PLATE
DWG	DRAWING	PROJ	PROJECT
DWL	DOWEL	P/T	PRESSURE TREATED
E.E.	EACH END	R OR RAD	RADIUS
E.F.	EACH FACE	R.D	ROOF DRAIN
E.J.	EXPANSION JOINT	R/W	REINFORCE WITH
E.S.	EACH SIDE	REINF	REINFORCING
E.W.	EACH WAY	REM	REMAINDER
EL OR ELEV	ELEVATION	REQ'D	REQUIRED
ELECT	ELECTRICAL	SIM	SIMILAR
EQ	EQUAL	SJC	SAWCUT JOINT
EQ SP	EQUAL SPACES	SJ	SLAB ON GRADE
EXIST	EXISTING	SPD	STANDARD PROCTOR
EXT'G OR EX.	EXISTING	SQ	SQUARE
EXT	EXTERIOR	S.S	STAINLESS STEEL
F.S	FAR SIDE	SST	SIMPSON STRONG-TIE
FN	FOUNDATION	STD	STANDARD
FL	FLAT PLATE	STIFF	STIFFENER
FTG	FOOTING	STR	STRIP
F.T.S.	FULL TENSION SPLICE	STRIP	SYMMETRICAL
GA	GAUGE	T	TOP
GALV	GALVANIZED	T	TOP & BOTTOM
GR BM	GRADE BEAM	T&B	TOP OF FOOTING ELEVATION
H OR HT	HIGH OR HEIGHT	T/F EL	TOP OF
HIE	HOOK ONE END	T/O	THICK
H2E	HOOK TWO ENDS	THK	THICK
H.D. GALV	HOT DIPPED GALVANIZED	TLL	TOP LOWER LAYER
HOR	HORIZONTAL	TUL	TOP UPPER LAYER
I/C	IN CENTRE	TYP	TYPICAL
I.F	INSIDE DIAMETER	U/S	UNDERSIDE OF
INCL	INCLUDING	UDL	UNIFORMLY DISTRIBUTED
INT	INTERIOR	U.N.O	UNLESS NOTED OTHERWISE
INSUL	INSULATION	VERT	VERTICAL
LC	LONG	W	WIDE OR WIDTH
L.C	LOCATION	W.P	WORKING POINT
LONGIT	LONGITUDINAL	W/W	WITH WELDED WIRE MESH
M.S	MILD STEEL		
O/O FRAMING	O/O STUD		

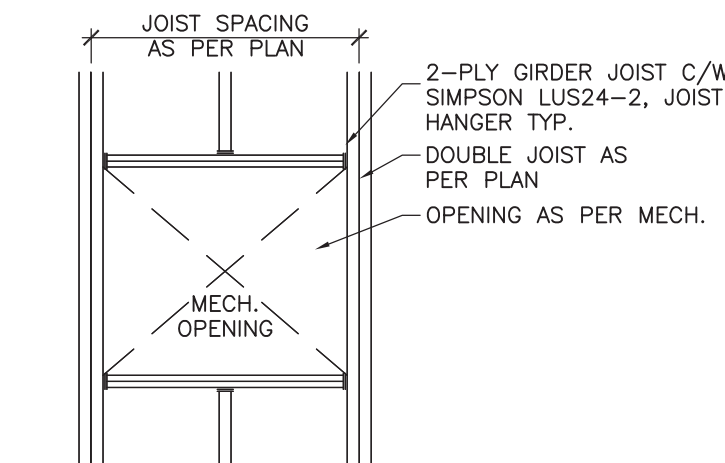


OPENING WIDTH	LINTEL SIZE IN 2x6 WALL	LINTEL SIZE IN 2x4 WALL
LESS THAN 4'-0"	3 PLY-2x6	2 PLY-2x8
4'-0" TO 6'-0"	3 PLY-2x8	2 PLY-2x10
6'-0" TO 8'-0"	3 PLY-2x10	2 PLY-2x12

NOTES:

- LINTEL SIZES APPLY TO ALL OPENINGS IN LOAD BEARING WALLS.
- ALL LINTELS TO BE NO. 2 S.P.F. OR BETTER
- MINIMUM SUPPORT AT LINTELS IS 2-PLY GANGED STUD TO MATCH WALL SIZE U.N.O.

3 TYP. WOOD LINTEL & GANG STUD IN LOAD BEARING WALL
NOTE: REFER TO ARCH. FOR SIZE & LOCATIONS OF OPENINGS.

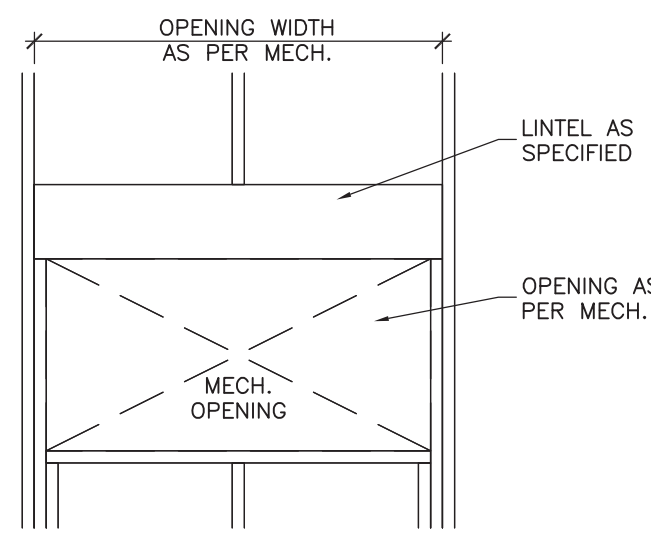
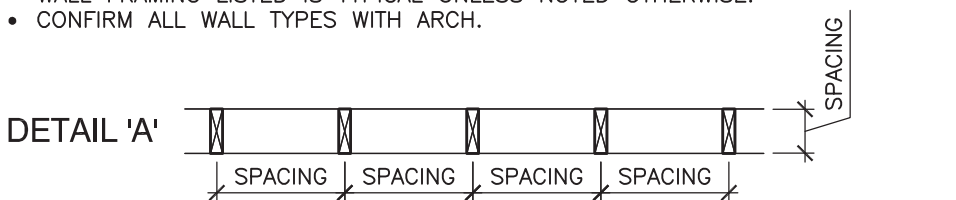


4 TYP. MECH. OPENING FRAMING IN FLOOR / ROOF
NOTE: REFER TO ARCH. FOR SIZE & LOCATIONS OF OPENINGS WITH MECHANICAL DRAWINGS.

FLOOR LOADS			
DEAD LOAD	=	0.60 kPa (12.5 p.s.f.)	
LIVE LOAD	=	1.90 kPa (50 p.s.f.) SUITES	
	=	4.80 kPa (100 p.s.f.) CORRIDOR, (MAIN FLOOR) LANDINGS, COMMON AREAS	
	=	1.90 kPa (50 p.s.f.) CORRIDOR (UPPER FLOOR)	
- JOIST SELF WEIGHT INCLUDED IN UNIFORM DEAD LOAD			
- ALL LOADS PRESENTED ARE UNFACTORED			

STUD WALL (SWx) SCHEDULE				
MARK	STUDS	SPACING	PLATES	NOTES
SW1	2 x 4	16" O/C	2 x 4	SEE DETAIL 'A'
SW2	2 x 6	16" O/C	2 x 6	SEE DETAIL 'A'

- THE STUD WALL SCHEDULE APPLIES TO LOAD BEARING WALLS ONLY. REFER TO ARCH. FOR ALL OTHER STUD WALL TYPES.
- USE A SINGLE CONTINUOUS BOTTOM PLATE FOR ALL WALLS.
- USE A DOUBLE CONTINUOUS TOP PLATE FOR ALL LOAD BEARING WALLS. A SINGLE TOP PLATE MAY BE USED FOR NON-LOAD BEARING WALLS.
- WALL FRAMING LISTED IS TYPICAL UNLESS NOTED OTHERWISE.
- CONFIRM ALL WALL TYPES WITH ARCH.

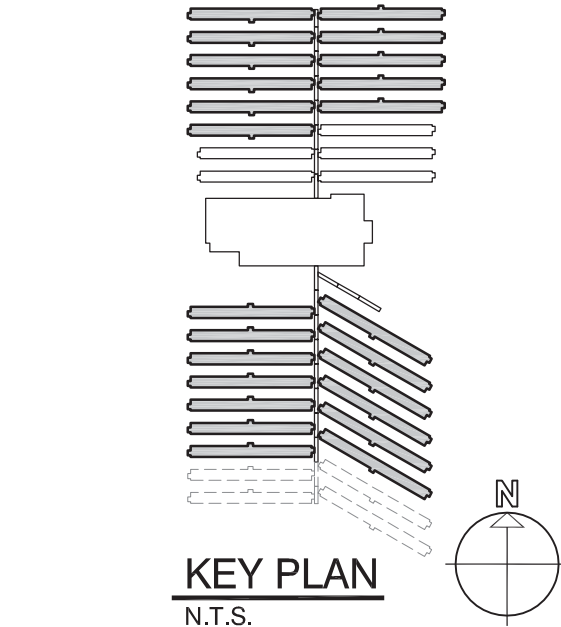


OPENING WIDTH	LINTEL SIZE IN 2x6 WALL	LINTEL SIZE IN 2x4 WALL
LESS THAN 4'-0"	3 PLY-2x6	2 PLY-2x8
4'-0" TO 6'-0"	3 PLY-2x8	2 PLY-2x10
6'-0" TO 8'-0"	3 PLY-2x10	2 PLY-2x12

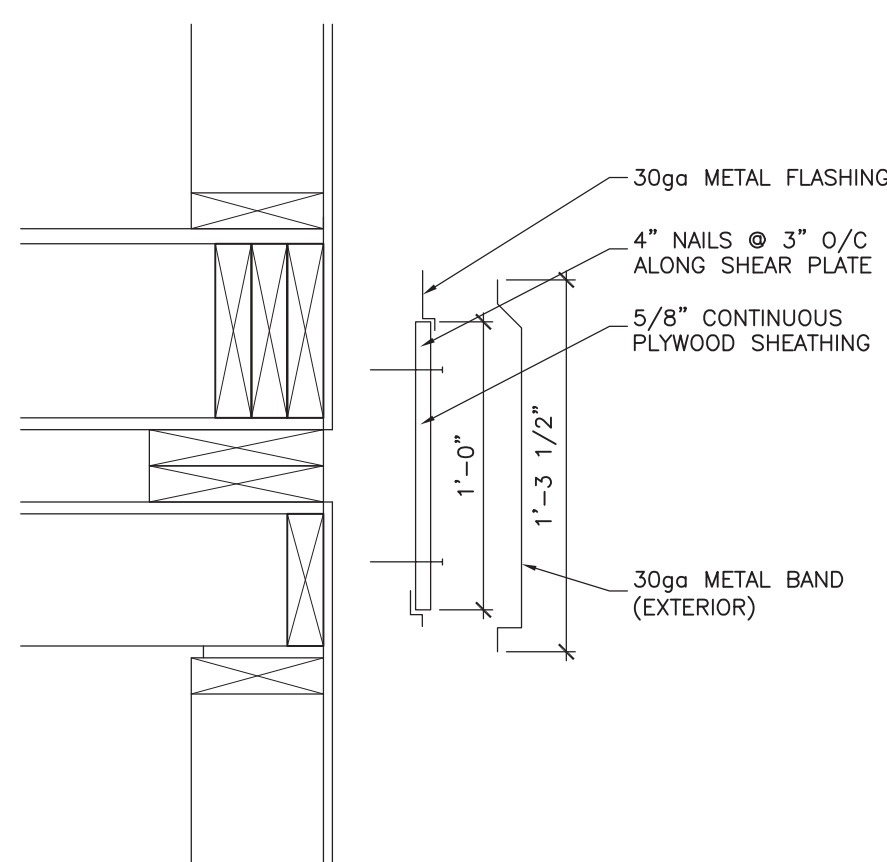
NOTES:

- LINTEL SIZES APPLY TO MECH. OPENINGS IN LOAD BEARING WALLS.
- ALL LINTELS TO BE NO. 2 S.P.F.

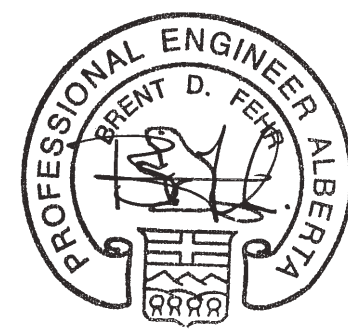
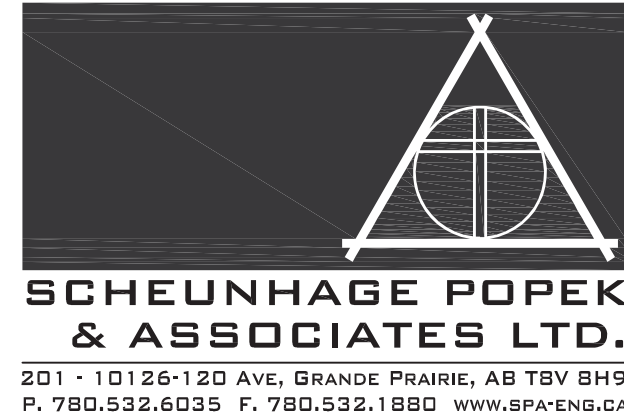
5 TYP. MECH. OPENING IN STUD WALLS
NOTE: REFER TO ARCH. FOR SIZE & LOCATIONS OF OPENINGS.



KEY PLAN
N.T.S.



6 TYP. SHEAR PLATE DETAIL
NOTE: TYPICAL ON EXTERIOR FACE AND ONE END OF MODULE



APEGGA PERMIT
No. P03581
August 30, 2010

NOTES

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ISSUED FOR	REVISION	DATE (Y/M/D.A.)
CONSTRUCTION	1	10.05.18
FINAL REVIEW	2	10.07.26
ISSUED FOR PERMIT	3	10.08.30

CLIENT

NORTHERN
TRAILER

PROJECT

SURMONT II

PROJECT

FORT McMURRAY, AB

DRAWING

CRAFT DORMITORY

OVERALL FRAMING

KEY PLANS

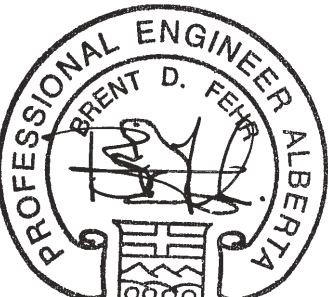
DRAWN BY:	BW	PROF REVIEW:	IK
TECH REVIEW:	BF	FINAL REVIEW:	BF
DATE:			JULY 2010
CONSULTANT FILE NO.:			--

S.P.A. PROJECT NO.: 10-034

DRAWING FILE NO.:

DRAWING NUMBER	REVISION
3S1.1	3

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APEGGA PERMIT
No. P03581
August 30, 2010

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ISSUED FOR	REVISION	DATE (YR/MO/DA)
CONSTRUCTION	1	10.05.18
FINAL REVIEW	2	10.07.05
ISSUED FOR PERMIT	3	10.08.30

CLIENT
NORTHERN TRAILER

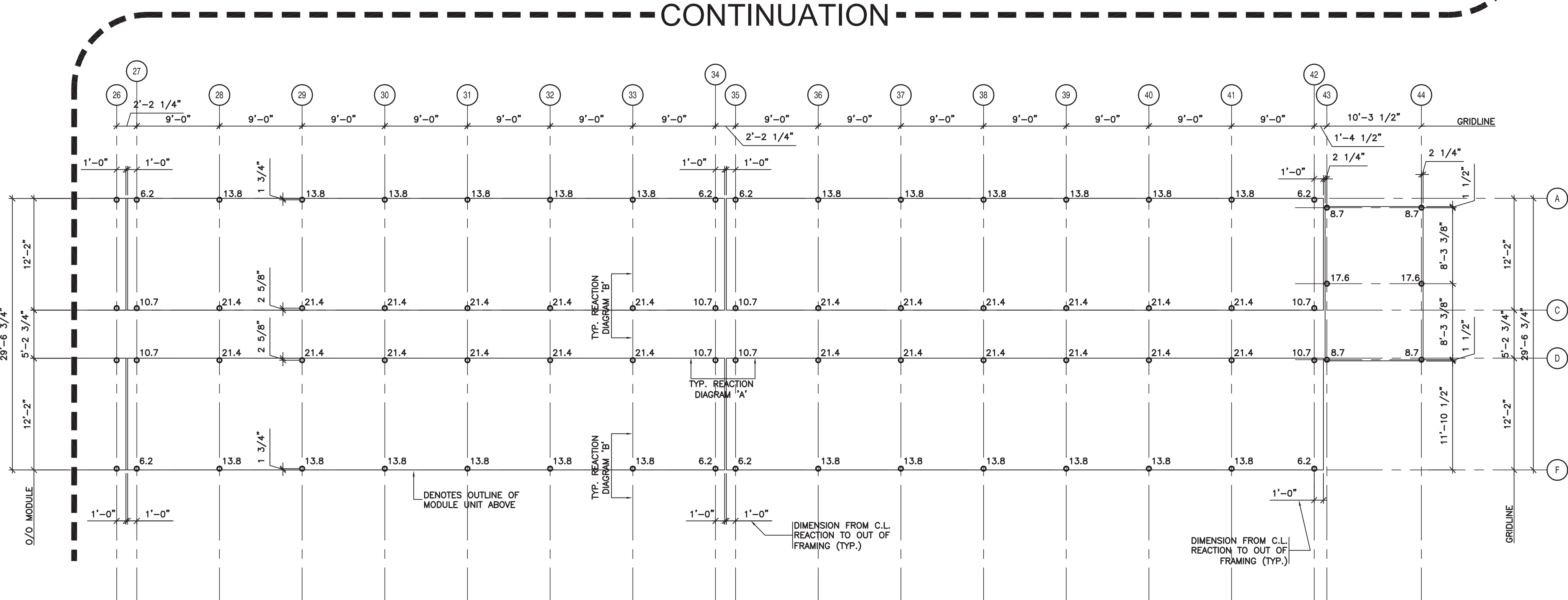
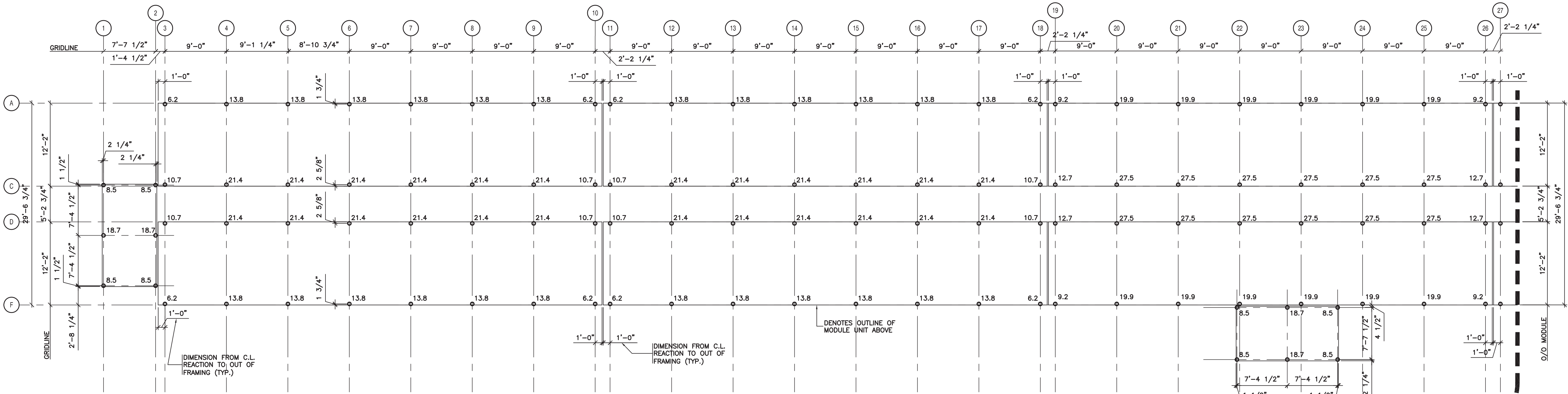
PROJECT
**SURMONT II
PROJECT
FORT McMURRAY, AB**

DRAWING
**CRAFT DORMITORY
BEARING LOAD REACTION
PLAN**

DRAWN BY:	BW	PROF REVIEW:	IK
TECH REVIEW:	BF	FINAL REVIEW:	BF
DATE:	MAY 2010		
CONSULTANT FILE NO.:	--		
S.P.A. PROJECT NO.:	10-034		
DRAWING FILE NO.:	--		

DRAWING NUMBER	REVISION
3S2.1	3

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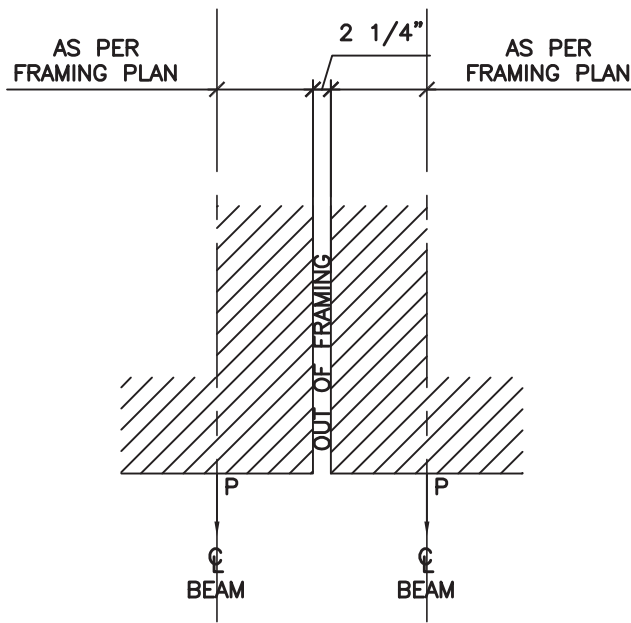


1 TYPICAL CRAFT DORMITORY REACTION PLAN
281.1 1/8" = 1'-0"

GENERAL NOTES:

- CONTRACTOR TO CONFIRM ALL DIMENSIONS PRIOR TO COMMENCING WORK
- ALL LOADS PROVIDED ARE TOTAL UNFACTORED LOADS INCLUDING DEAD AND LIVE LOADS
- ALL VERTICAL LOADS, 'P', PROVIDED ARE IN KIP'S.
- UNO ALL REACTIONS TO INCLUDE A MIN AXIAL LOAD, H=1.1KIP

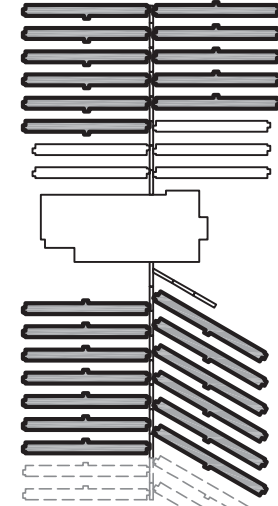
• ASSUME LOADS CAN ACT IN EITHER DIRECTION



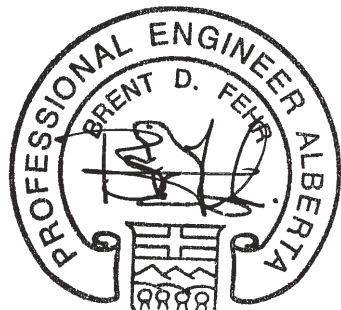
TYPICAL LOAD DIAGRAM 'A'
N.T.S.



TYPICAL LOAD DIAGRAM 'B'
N.T.S.



KEY PLAN
N.T.S.



APEGGA PERMIT
No. P03581
August 30, 2010

NOTES
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ISSUED FOR	REVISION	DATE (YR/MO/DA)
CONSTRUCTION	1	10.05.18
FINAL REVIEW	2	10.07.26
ISSUED FOR PERMIT	3	10.08.30

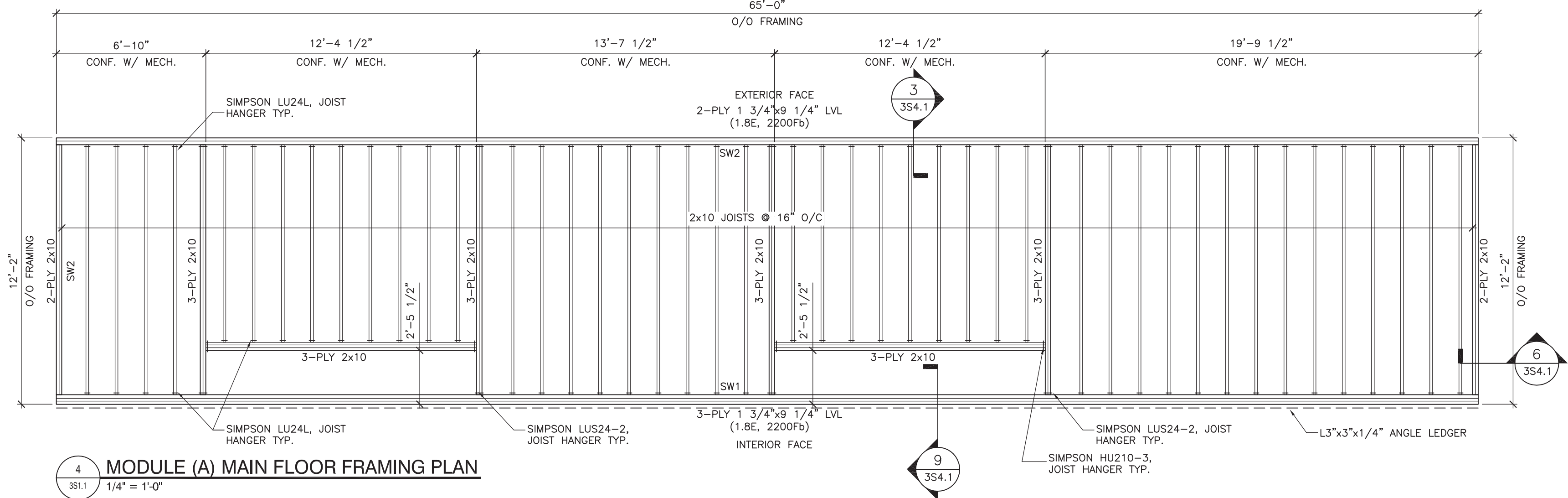
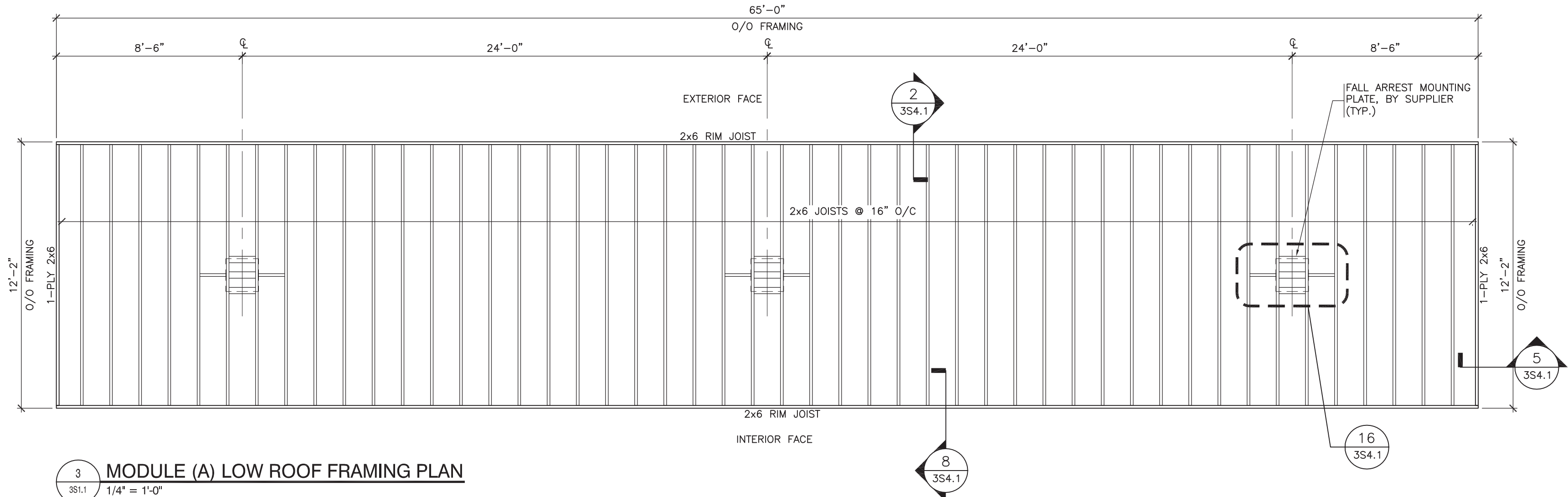
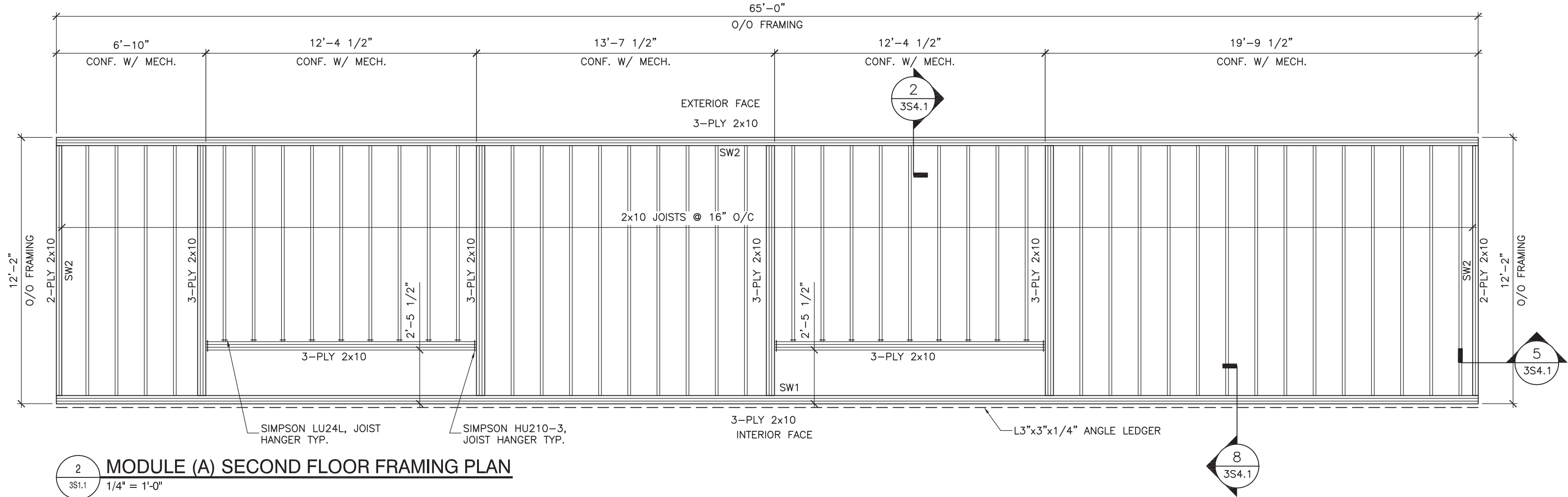
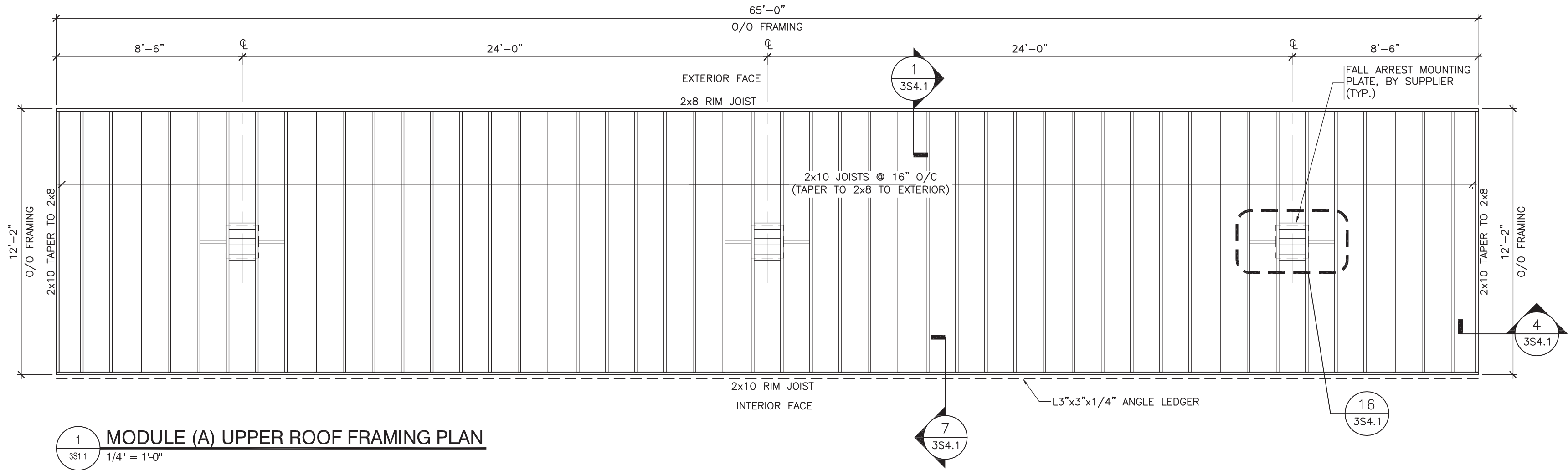
CLIENT
NORTHERN TRAILER

PROJECT
SURMONT II PROJECT
FORT McMURRAY, AB

DRAWING
CRAFT DORMITORY
MODULE (A) FLOOR & ROOF
FRAMING PLANS

DRAWN BY:	BW	PROF REVIEW:	IK
TECH REVIEW:	BF	FINAL REVIEW:	BF
DATE:	JULY 2010		
CONSULTANT FILE NO.:	--		
S.P.A. PROJECT NO.:	10-034		
DRAWING FILE NO.:			

DRAWING NUMBER	REVISION
3S3.1	3



NOTE:
1. REFER TO ARCHITECTURAL DRAWINGS FOR DOOR AND WINDOW LOCATIONS.
2. REFER TO TYPICAL DETAIL FOR DOOR AND WINDOW LINTEL SIZES.

NOTES
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THIS DRAWING SUPERSEDES PREVIOUS ISSUES.		
ISSUED FOR	REVISION	DATE (YR/MO/DA)
CONSTRUCTION	1	10.05.18
FINAL REVIEW	2	10.07.26
ISSUED FOR PERMIT	3	10.08.30

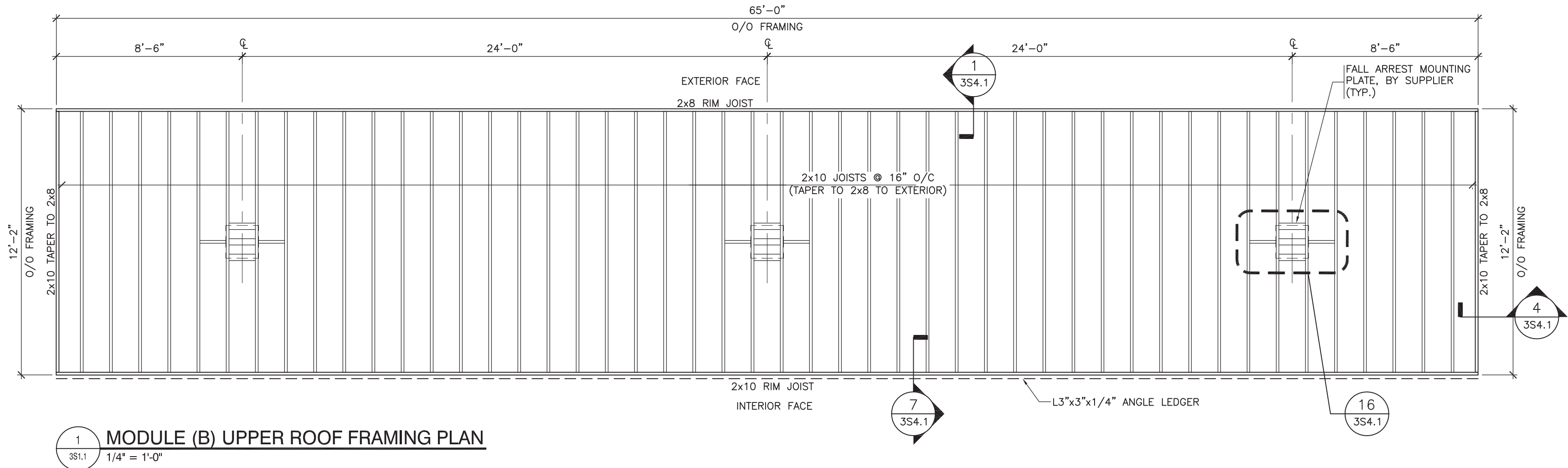
CLIENT
NORTHERN TRAILER

PROJECT
SURMONT II PROJECT
FORT McMURRAY, AB

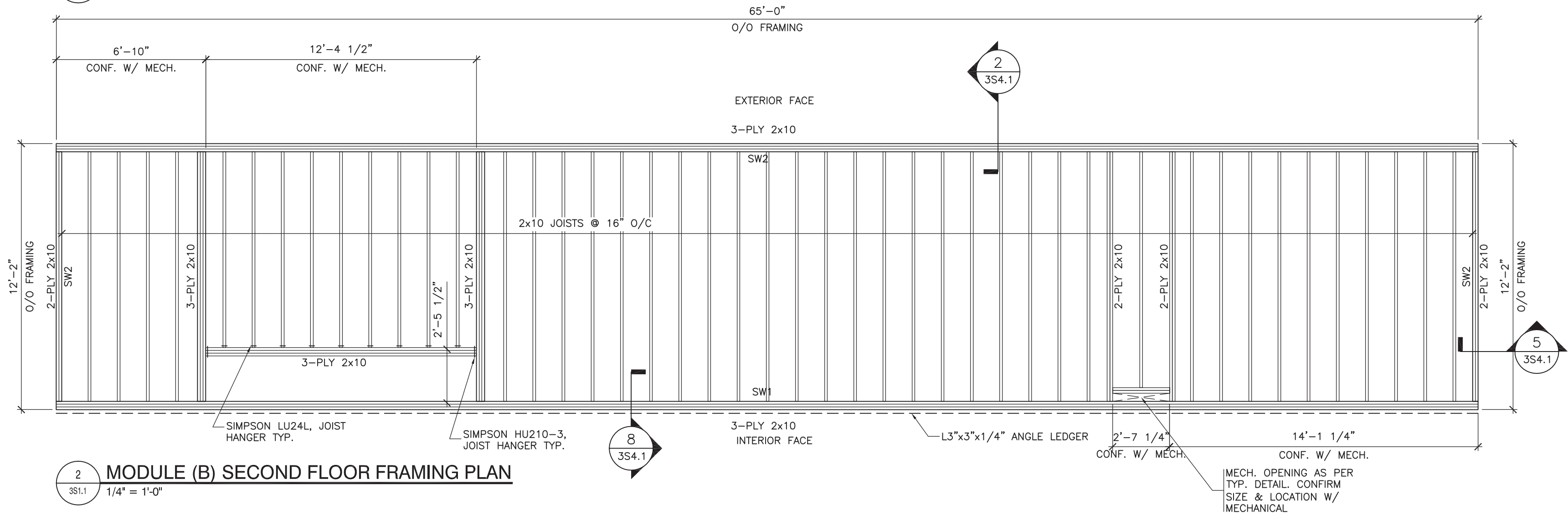
DRAWING
CRAFT DORMITORY
MODULE (B) FLOOR & ROOF
FRAMING PLANS

DRAWN BY:	BW	PROF REVIEW:	IK
TECH REVIEW:	BF	FINAL REVIEW:	BF
DATE:	JULY 2010		
CONSULTANT FILE NO.:	--		
S.P.A. PROJECT NO.:	10-034		
DRAWING FILE NO.:			

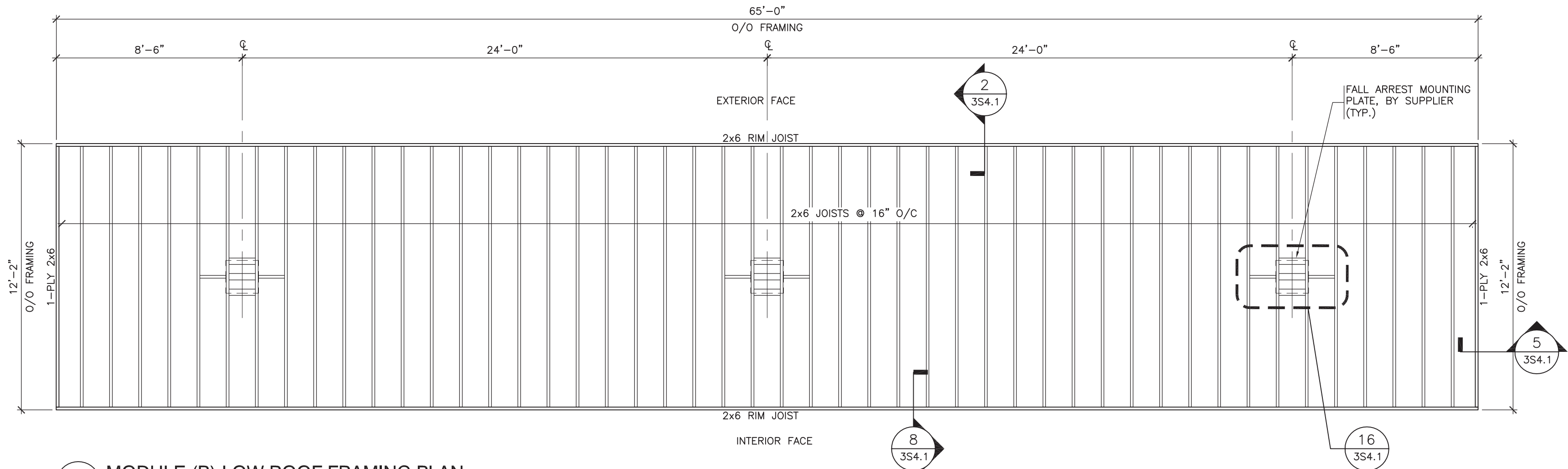
DRAWING NUMBER	REVISION
3S3.2	3



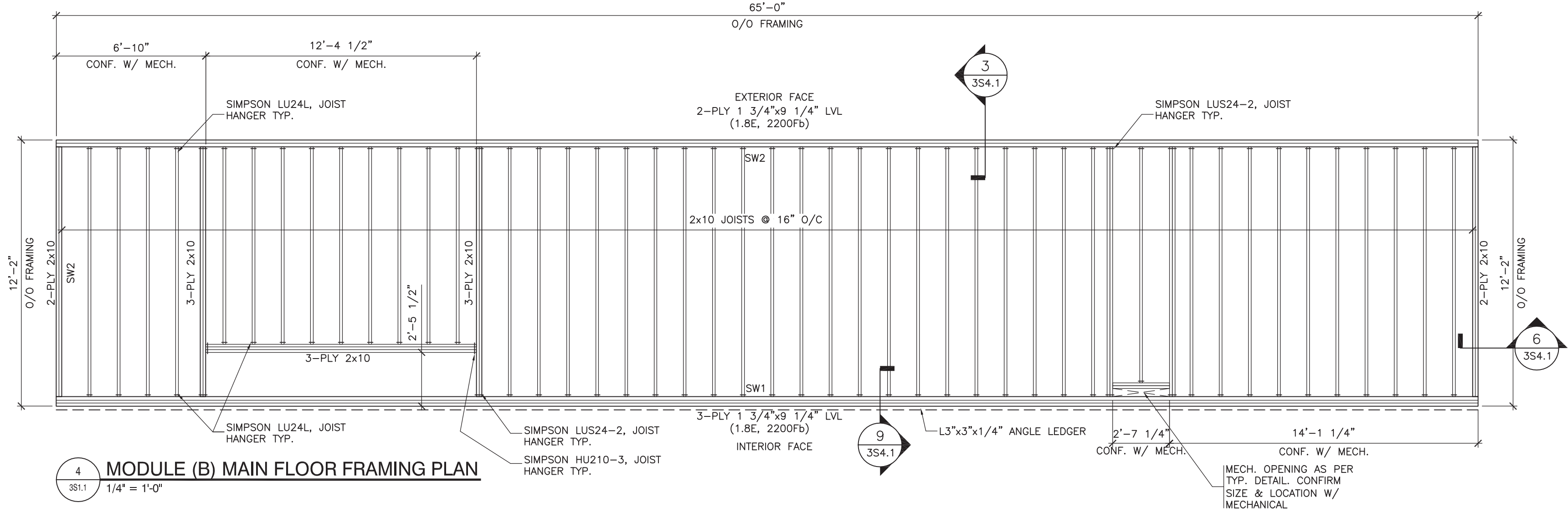
1 MODULE (B) UPPER ROOF FRAMING PLAN
1/4" = 1'-0"



2 MODULE (B) SECOND FLOOR FRAMING PLAN
1/4" = 1'-0"

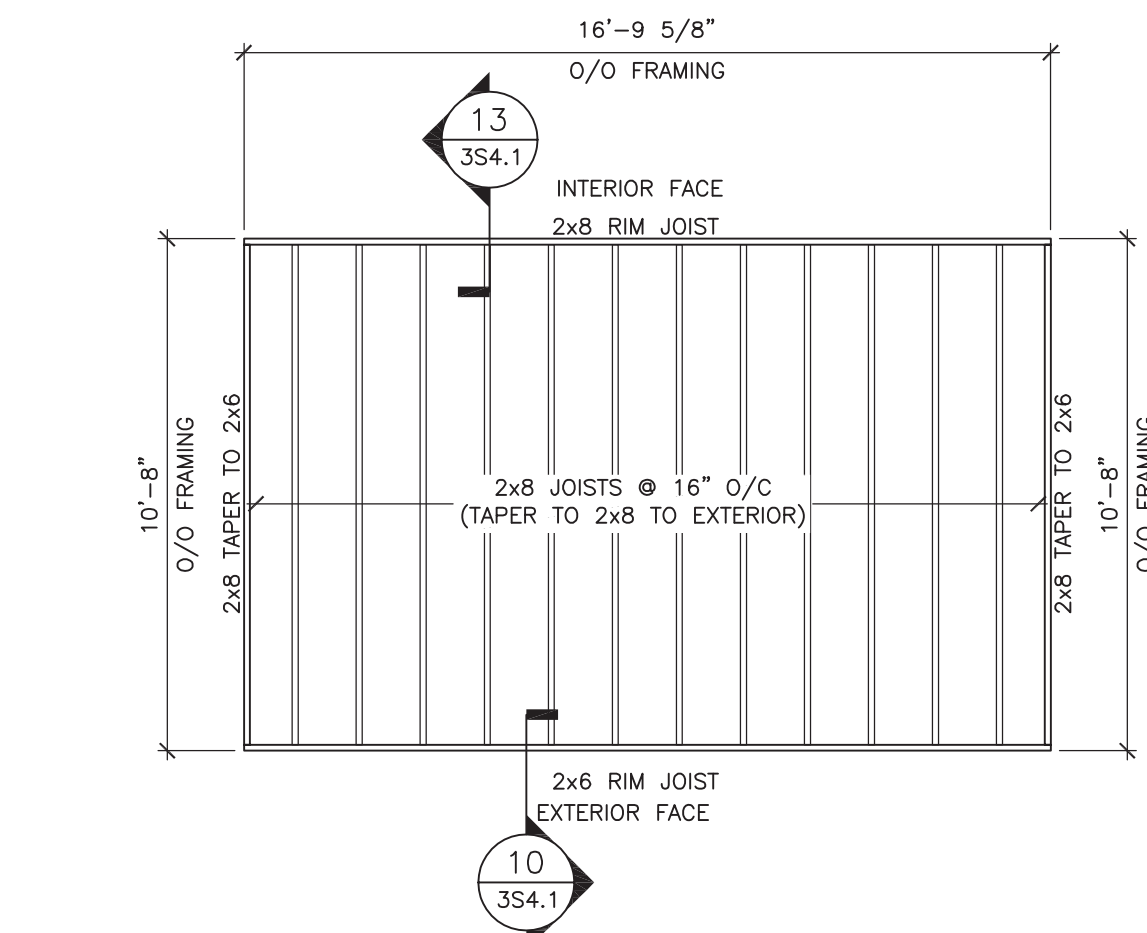


3 MODULE (B) LOW ROOF FRAMING PLAN
1/4" = 1'-0"

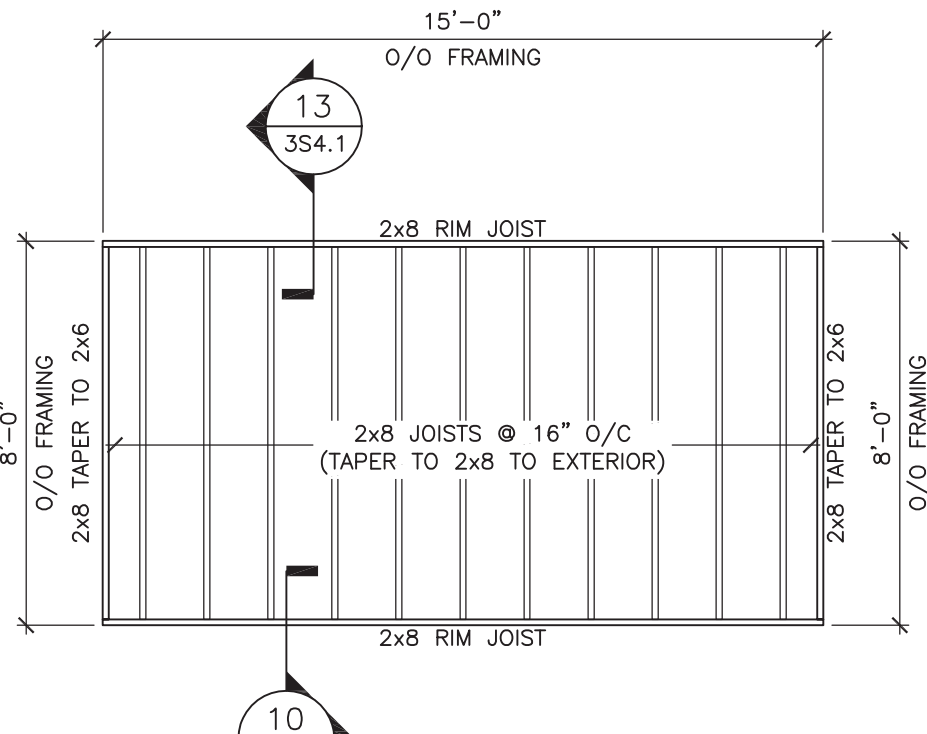


4 MODULE (B) MAIN FLOOR FRAMING PLAN
1/4" = 1'-0"

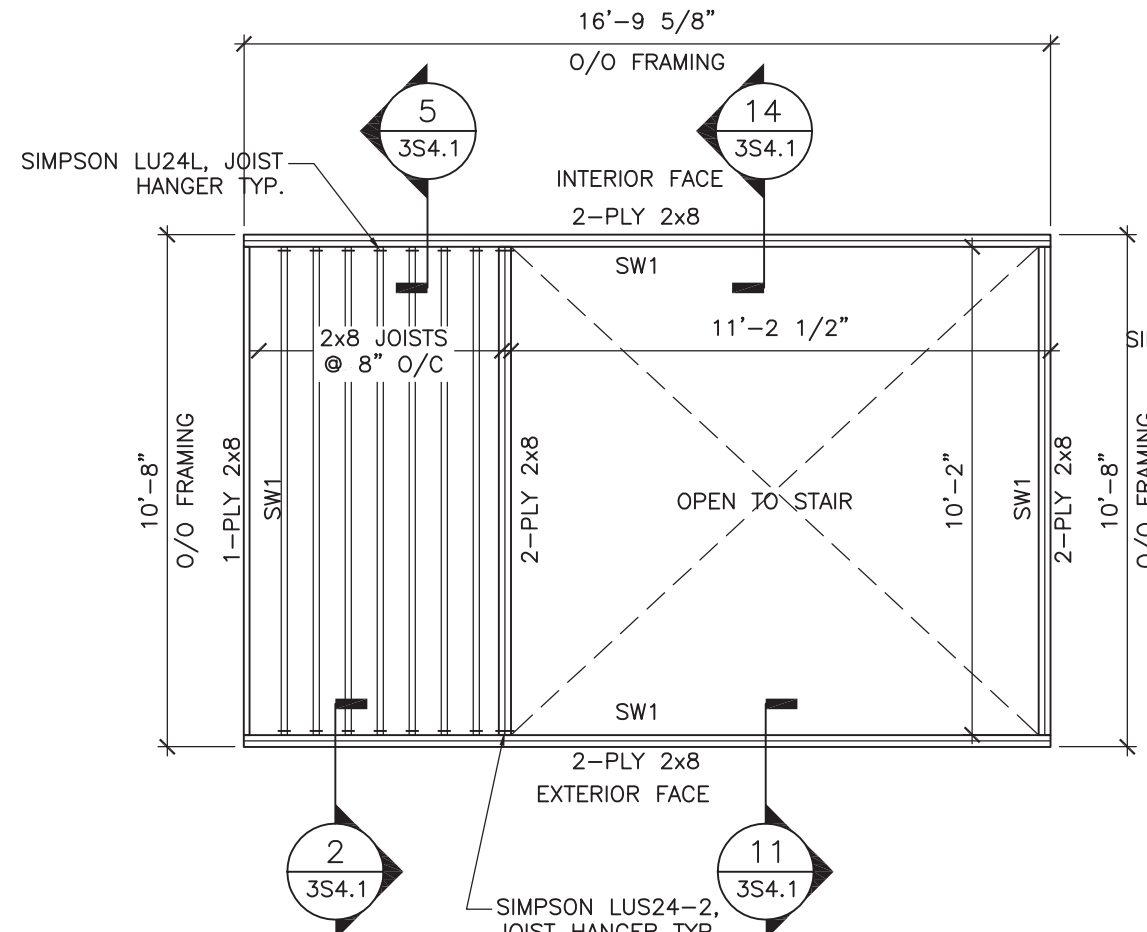
NOTE:
1. REFER TO ARCHITECTURAL DRAWINGS FOR DOOR AND WINDOW LOCATIONS.
2. REFER TO TYPICAL DETAIL FOR DOOR AND WINDOW LINTEL SIZES.



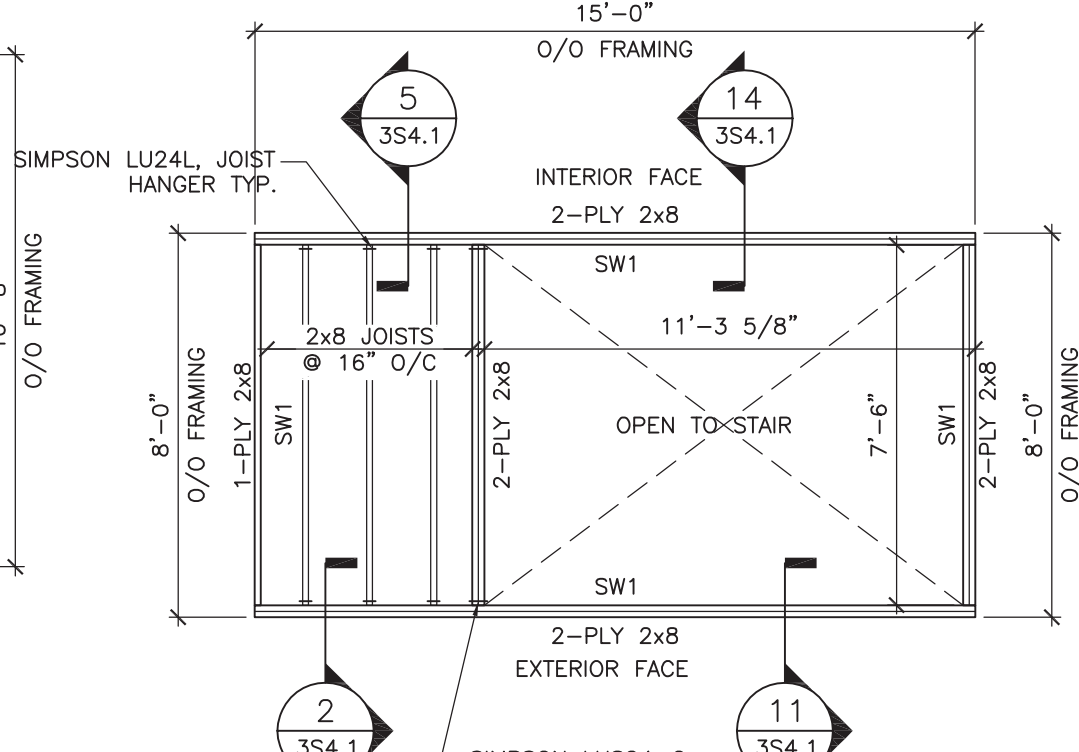
1 STAIR (B) UPPER ROOF FRAMING PLAN
1/4" = 1'-0"



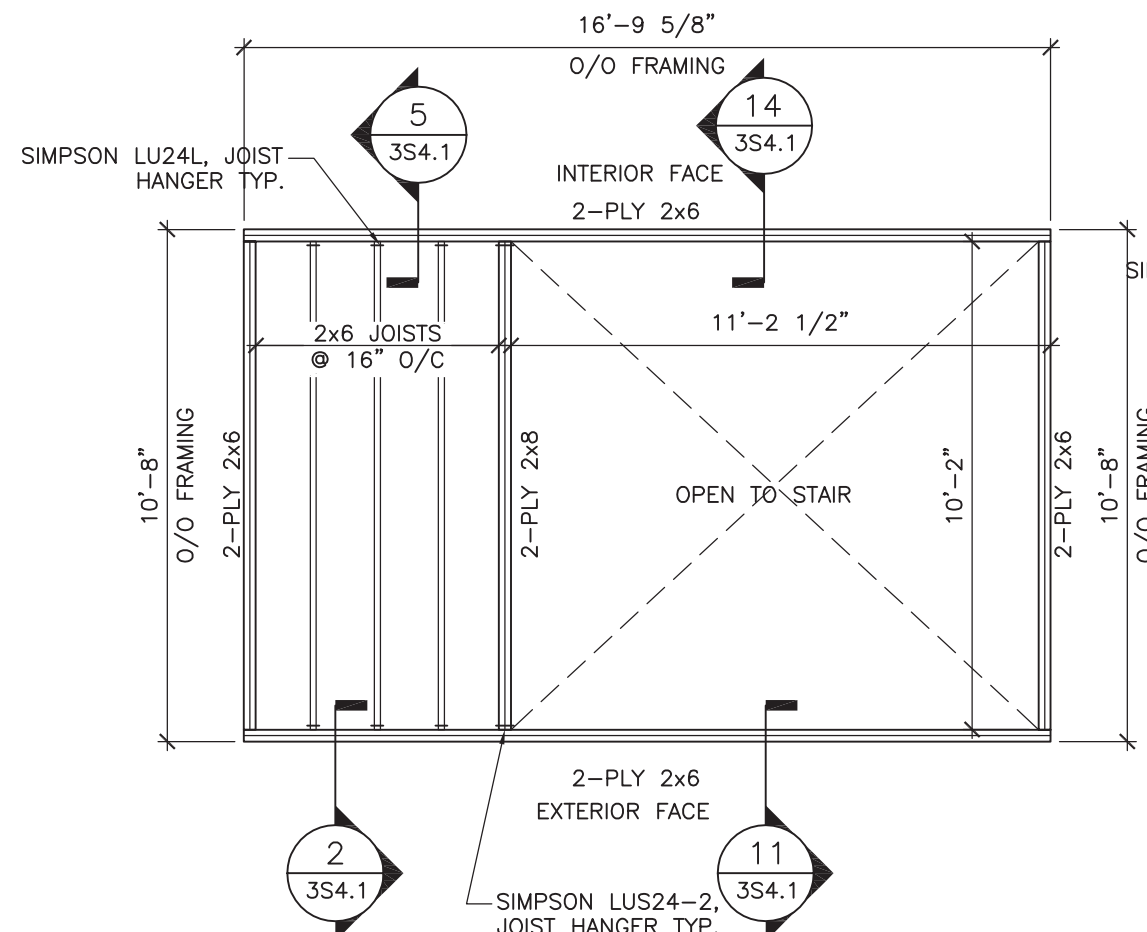
5 STAIR (A) UPPER ROOF FRAMING PLAN
1/4" = 1'-0"



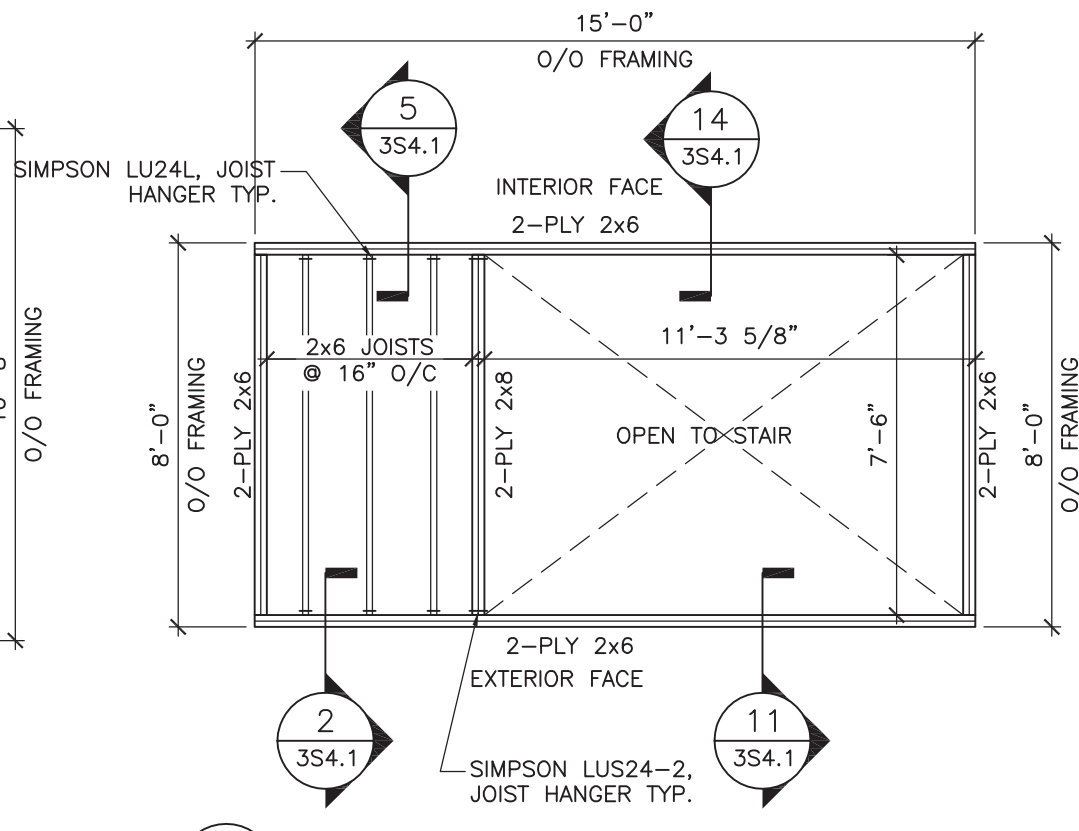
2 STAIR (B) SECOND FLOOR FRAMING PLAN
1/4" = 1'-0"



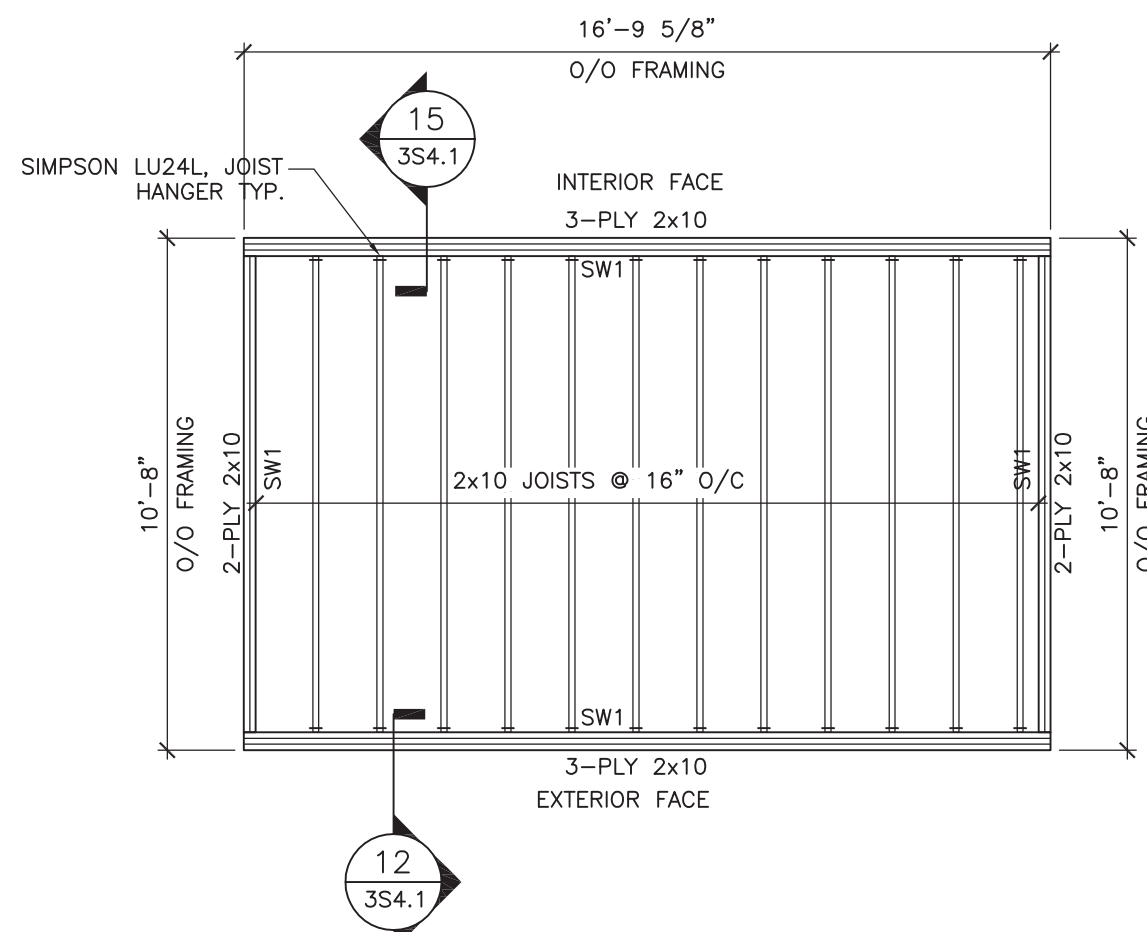
6 STAIR (A) SECOND FLOOR FRAMING PLAN
1/4" = 1'-0"



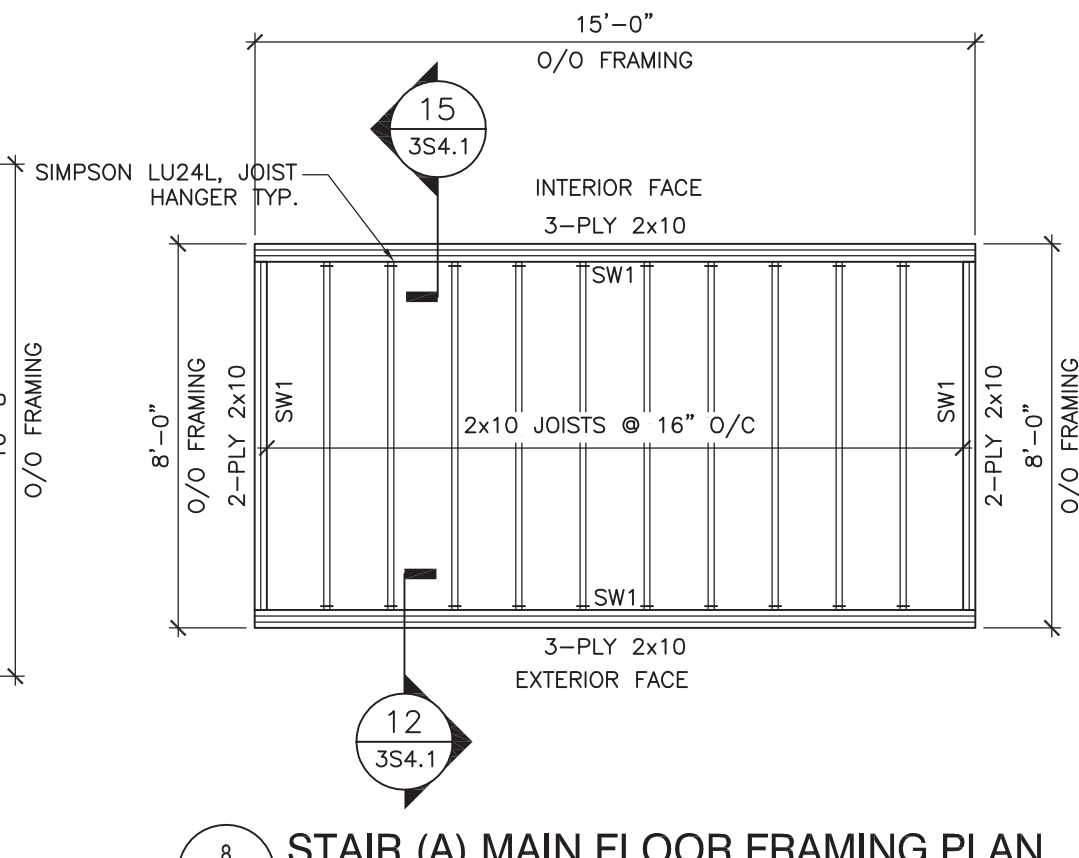
3 STAIR (B) LOW ROOF FRAMING PLAN
1/4" = 1'-0"



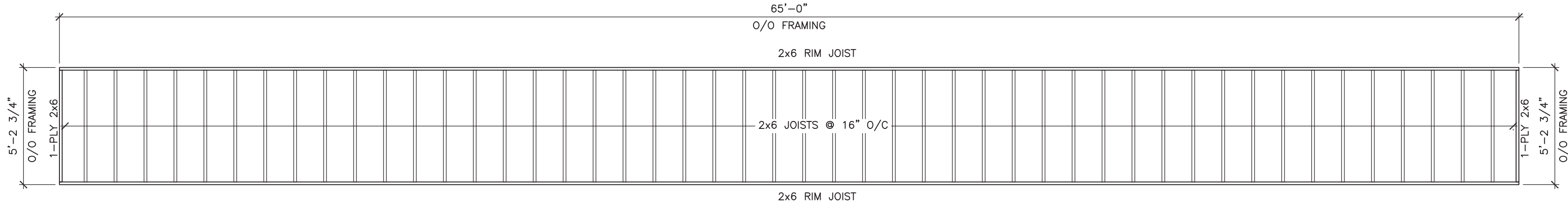
7 STAIR (A) LOW ROOF FRAMING PLAN
1/4" = 1'-0"



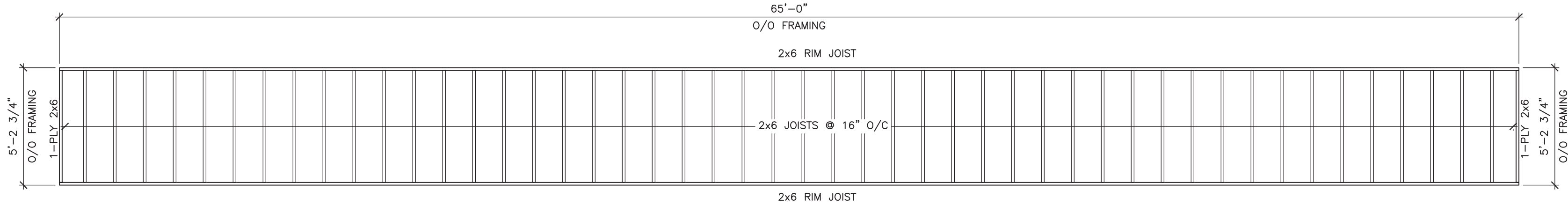
4 STAIR (B) MAIN FLOOR FRAMING PLAN
1/4" = 1'-0"



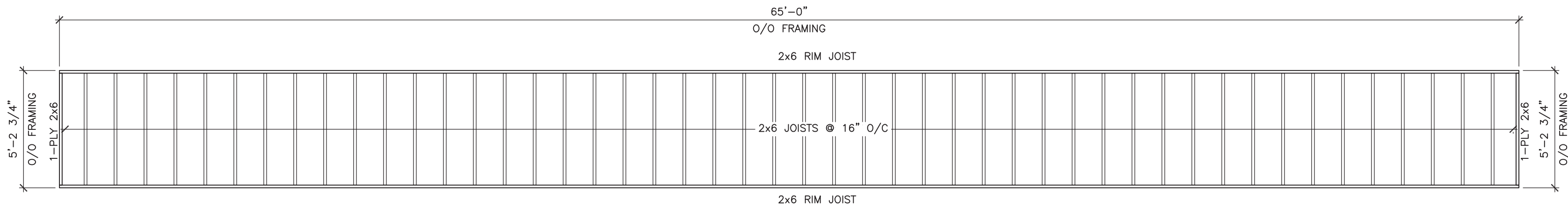
8 STAIR (A) MAIN FLOOR FRAMING PLAN
1/4" = 1'-0"



9 TYPICAL CORRIDOR ROOF FRAMING
1/4" = 1'-0"



10 TYPICAL CORRIDOR UPPER FLOOR FRAMING
1/4" = 1'-0"



11 TYPICAL CORRIDOR LOWER FLOOR FRAMING
1/4" = 1'-0"

NOTES
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CONSTRUCTION	1	10.05.18
FINAL REVIEW	2	10.07.26
ISSUED FOR PERMIT	3	10.08.30

CLIENT
NORTHERN TRAILER

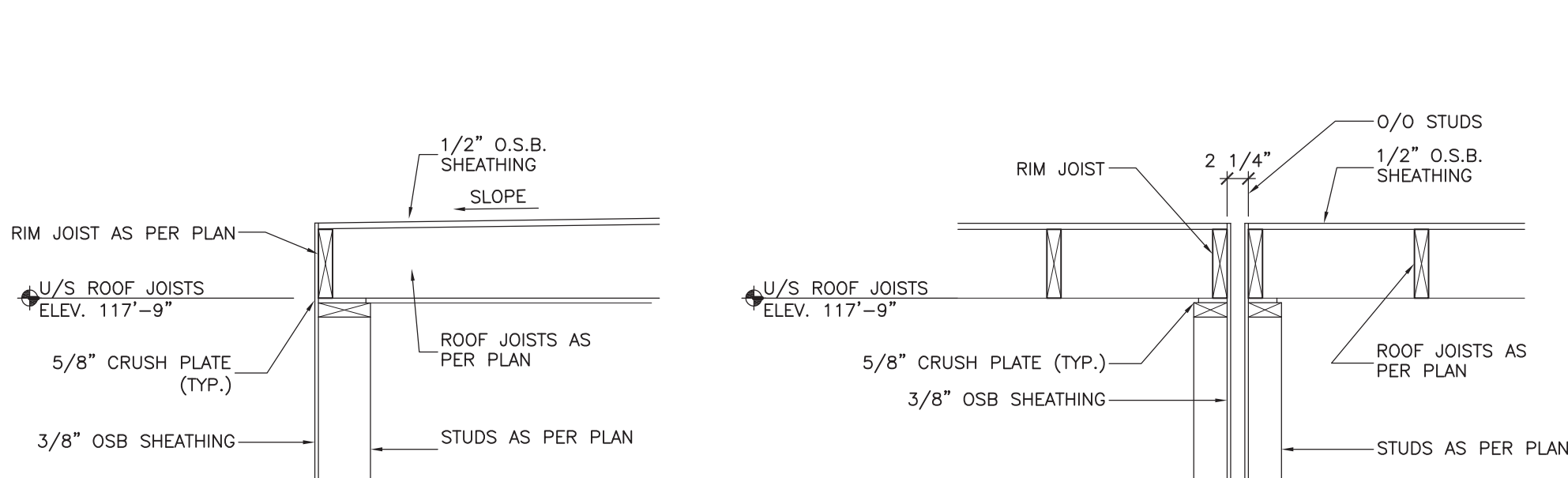
PROJECT
**SURMONT II PROJECT
FORT McMURRAY, AB**

DRAWING
**CRAFT DORMITORY
STAIR MODULE FLOOR & ROOF FRAMING PLANS**

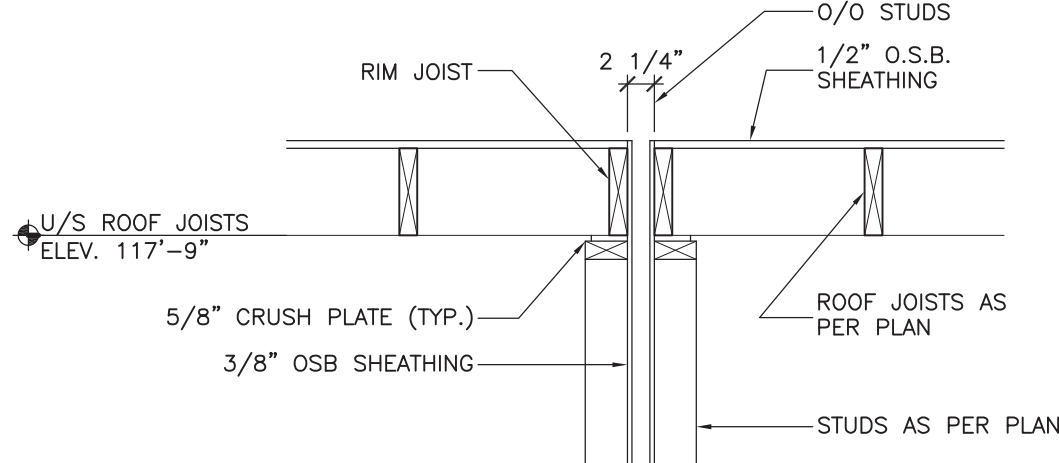
DRAWN BY:	BW	PROF REVIEW:	IK
TECH REVIEW:	BF	FINAL REVIEW:	BF
DATE:	JULY 2010		
CONSULTANT FILE NO.:	--		
S.P.A. PROJECT NO.:	10-034		
DRAWING FILE NO.:			

DRAWING NUMBER	REVISION
3S3.3	3

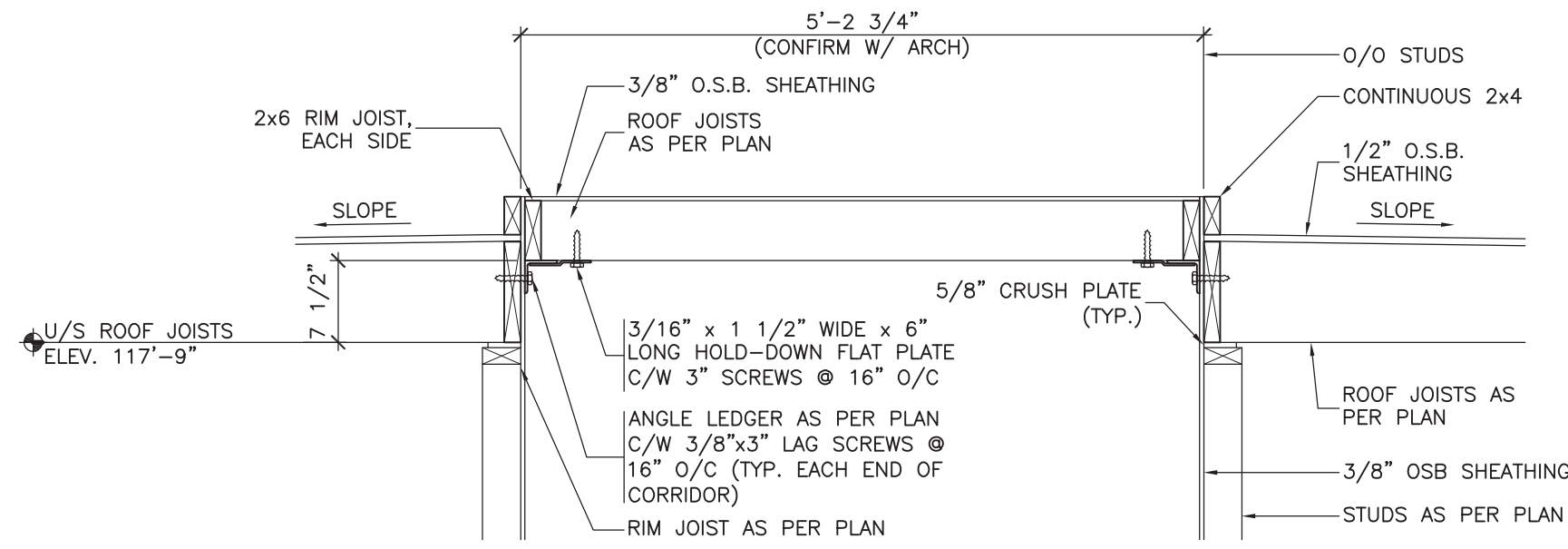
NOTE:
1. REFER TO ARCHITECTURAL DRAWINGS FOR DOOR AND WINDOW LOCATIONS.
2. REFER TO TYPICAL DETAIL FOR DOOR AND WINDOW LINTEL SIZES.



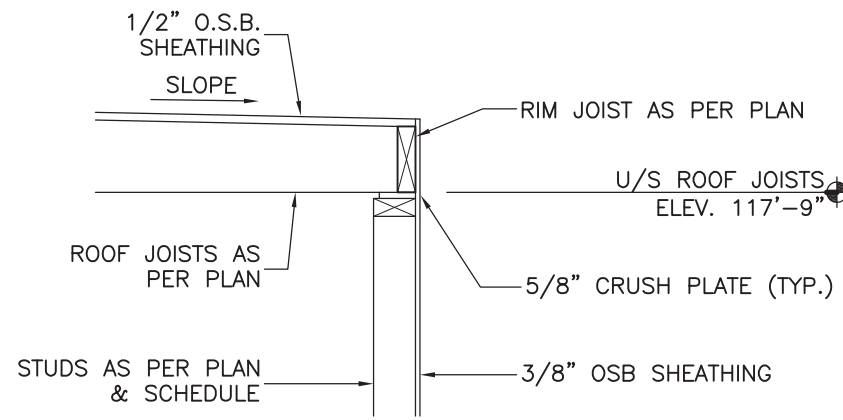
1 ROOF FRAMING DETAIL
353.1 3/4" = 1'-0"



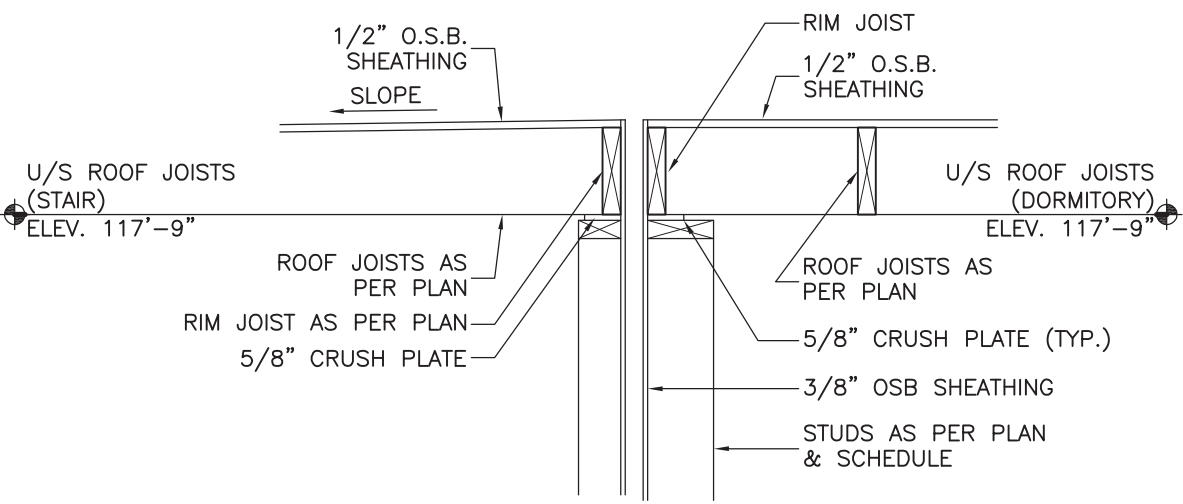
4 ROOF FRAMING DETAIL
353.1 3/4" = 1'-0"



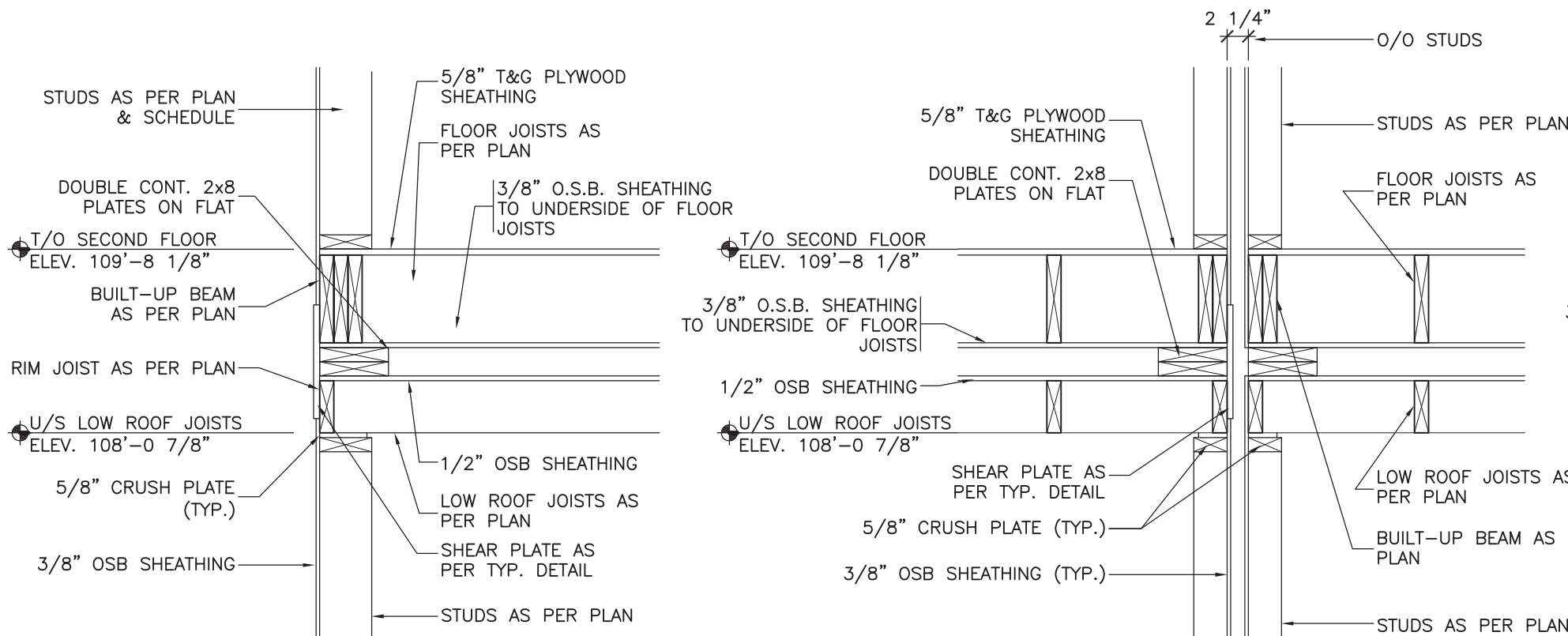
7 CORRIDOR ROOF FRAMING DETAIL
353.1 3/4" = 1'-0"



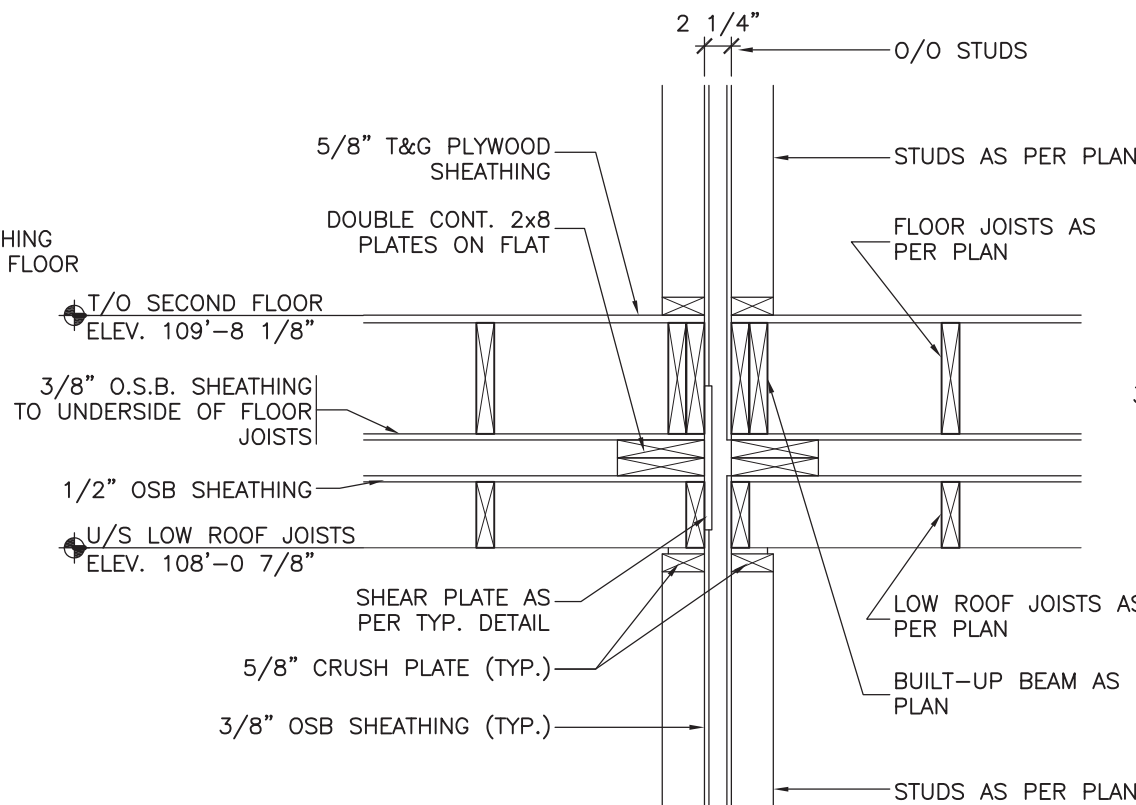
10 ROOF FRAMING DETAIL @ STAIR
353.3 3/4" = 1'-0"



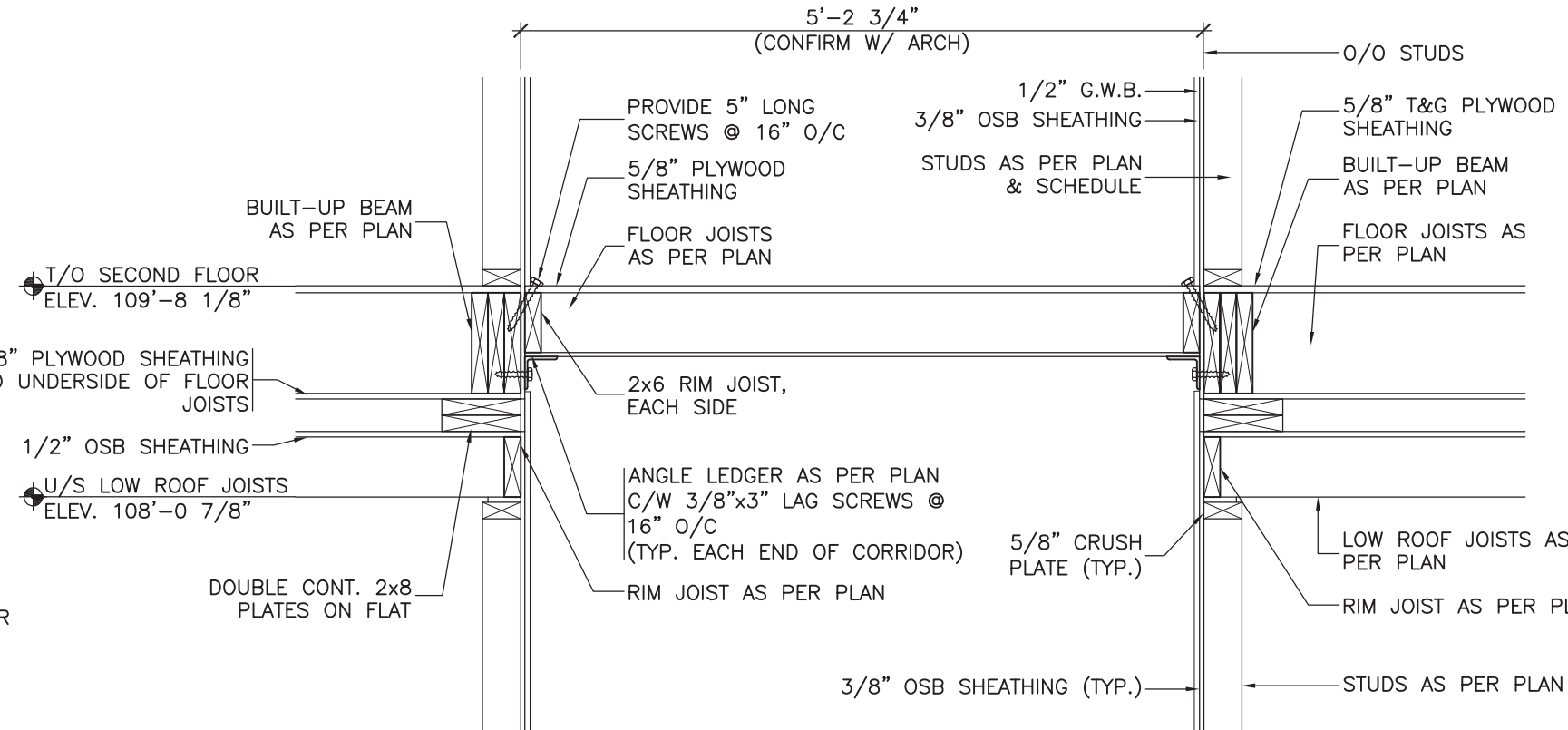
13 ROOF FRAMING DETAIL @ STAIR
353.3 3/4" = 1'-0"



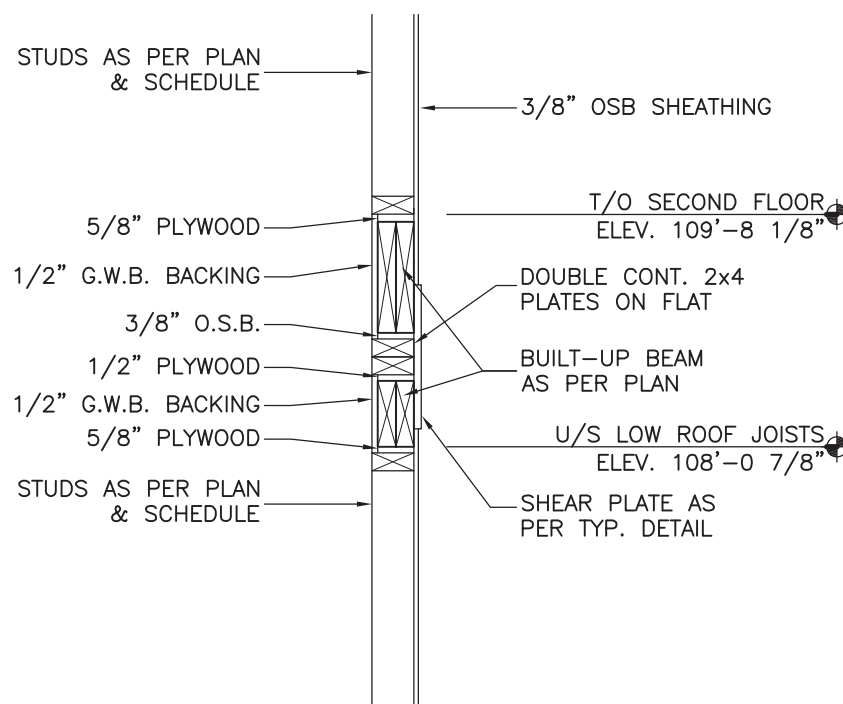
2 INTERMEDIATE FLOOR FRAMING DETAIL
353.1 3/4" = 1'-0"



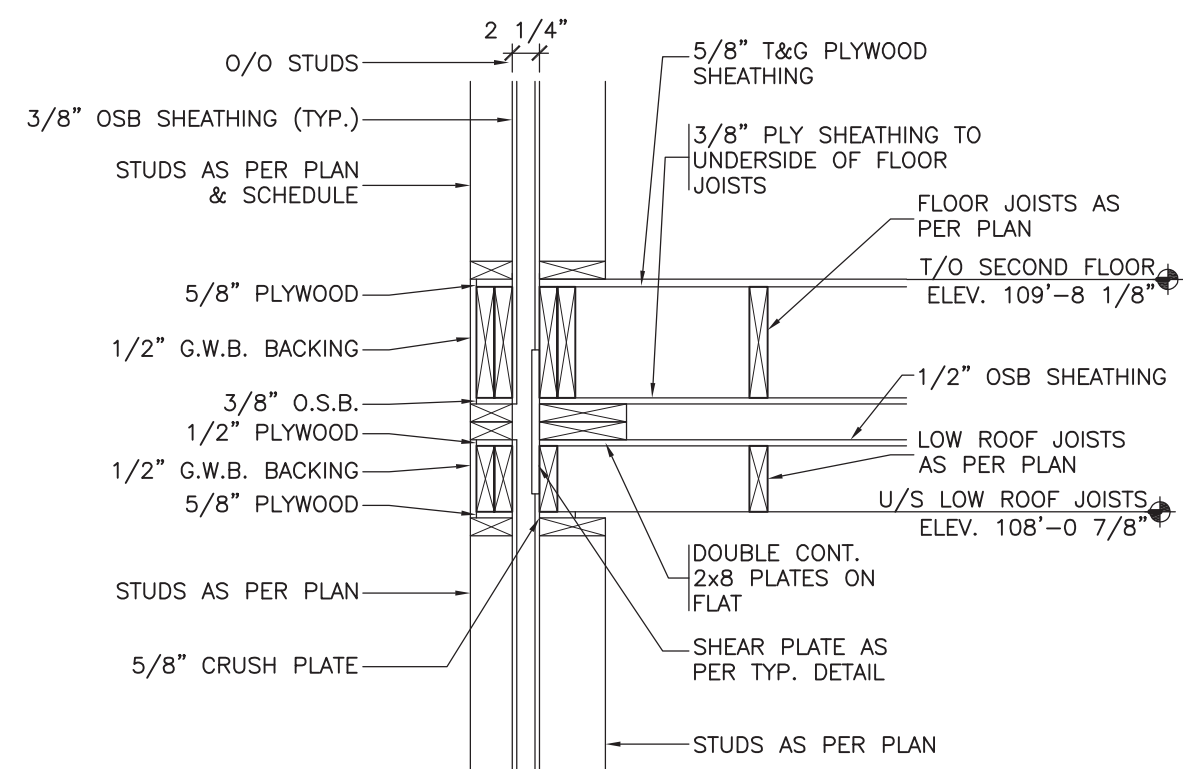
5 INTERMEDIATE FLOOR FRAMING DETAIL
353.1 3/4" = 1'-0"



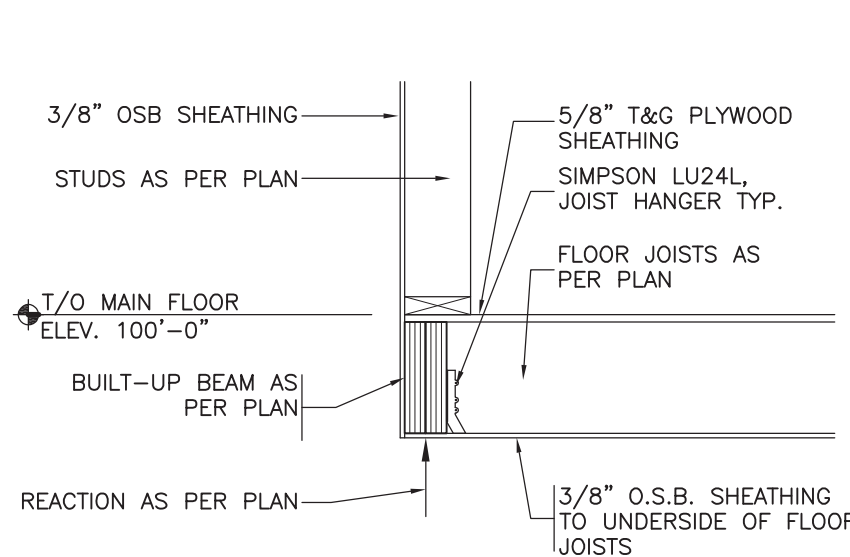
8 SECOND FLOOR CORRIDOR FRAMING DETAIL
353.1 3/4" = 1'-0"



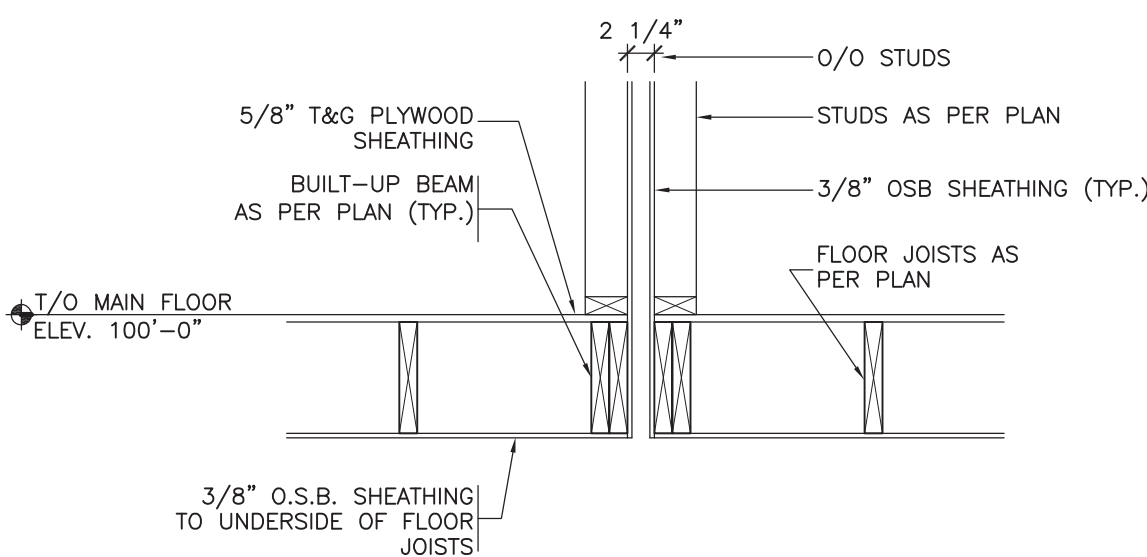
11 INTERMEDIATE WALL FRAMING DETAIL @ STAIR
353.3 3/4" = 1'-0"



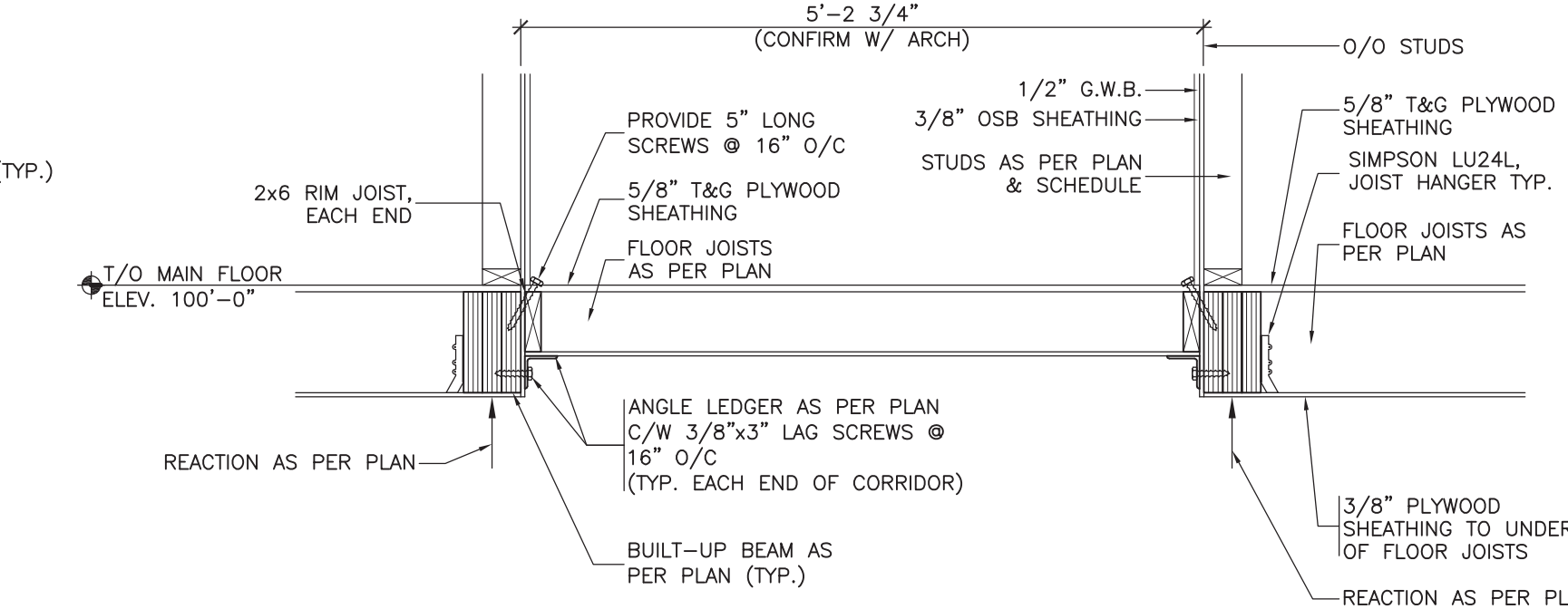
14 INTERMEDIATE FLOOR FRAMING DETAIL @ STAIR
353.3 3/4" = 1'-0"



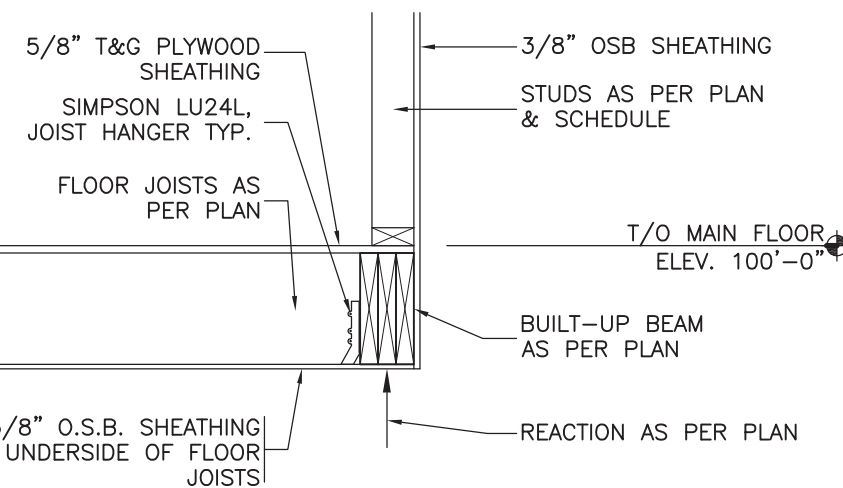
3 MAIN FLOOR FRAMING DETAIL
353.1 3/4" = 1'-0"



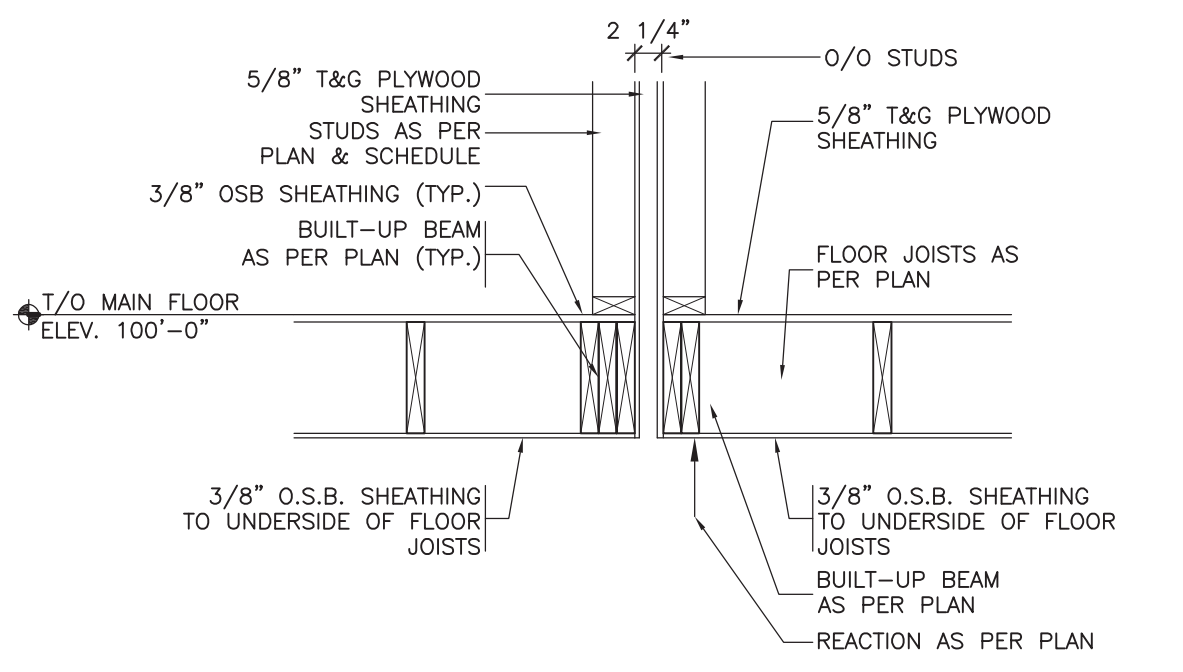
6 MAIN FLOOR FRAMING DETAIL
353.1 3/4" = 1'-0"



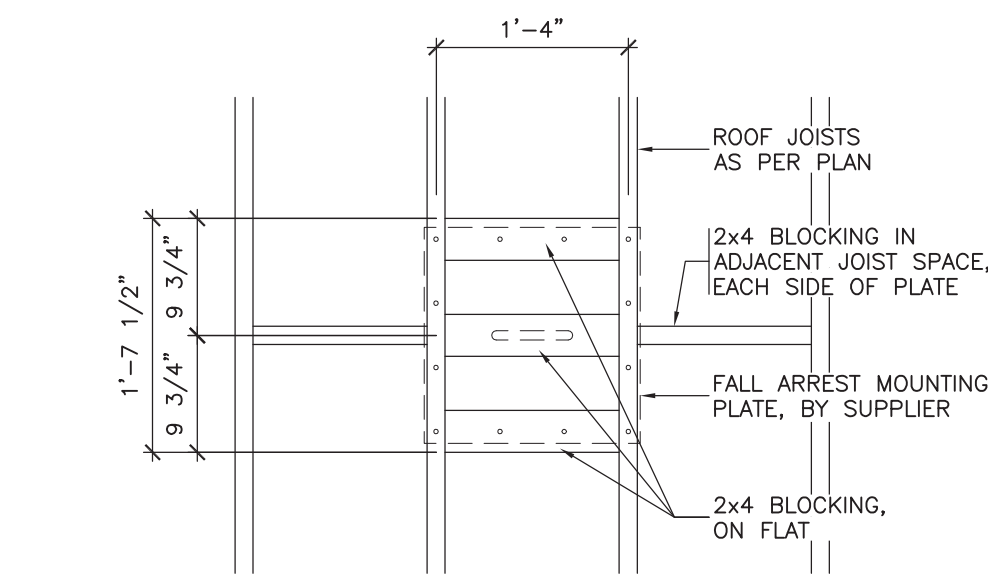
9 MAIN FLOOR CORRIDOR FRAMING DETAIL
353.1 3/4" = 1'-0"



12 MAIN FLOOR FRAMING DETAIL @ STAIR
353.3 3/4" = 1'-0"



15 MAIN FLOOR FRAMING DETAIL @ STAIR
353.3 3/4" = 1'-0"



16 FALL ARREST MOUNTING PLATE BLOCKING DETAIL
353.1 3/4" = 1'-0"

NOTES

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ISSUED FOR	REVISION	DATE (YR/MO/DA)
CONSTRUCTION	1	10.05.18
FINAL REVIEW	2	10.07.26
ISSUED FOR PERMIT	3	10.08.30

CLIENT
NORTHERN TRAILER

PROJECT
SURMONT II PROJECT
FORT McMURRAY, AB

DRAWING
CRAFT DORMITORY FRAMING DETAILS

DRAWN BY:	BW	PROF REVIEW:	IK
TECH REVIEW:	BF	FINAL REVIEW:	BF
DATE:	JULY 2010		
CONSULTANT FILE NO.:	--		
S.P.A. PROJECT NO.:	10-034		
DRAWING FILE NO.:			

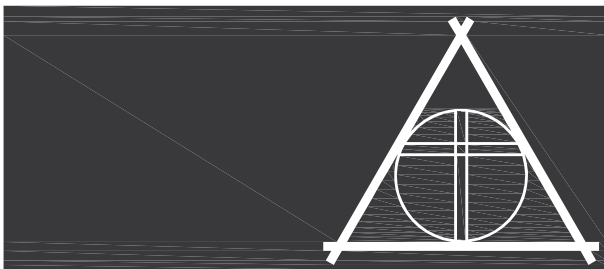
DRAWING NUMBER	REVISION
3S4.1	3

GENERAL NOTES:

1. ALL PLUMBING IN FOUNDATION PLAN IS TO BE HEAT TRACED.

DRAWING NOTES:

- 1 4# SANITARY RISER SUPPLIED BY OTHERS.



SCHEUNHAGE POPEK
& ASSOCIATES LTD.

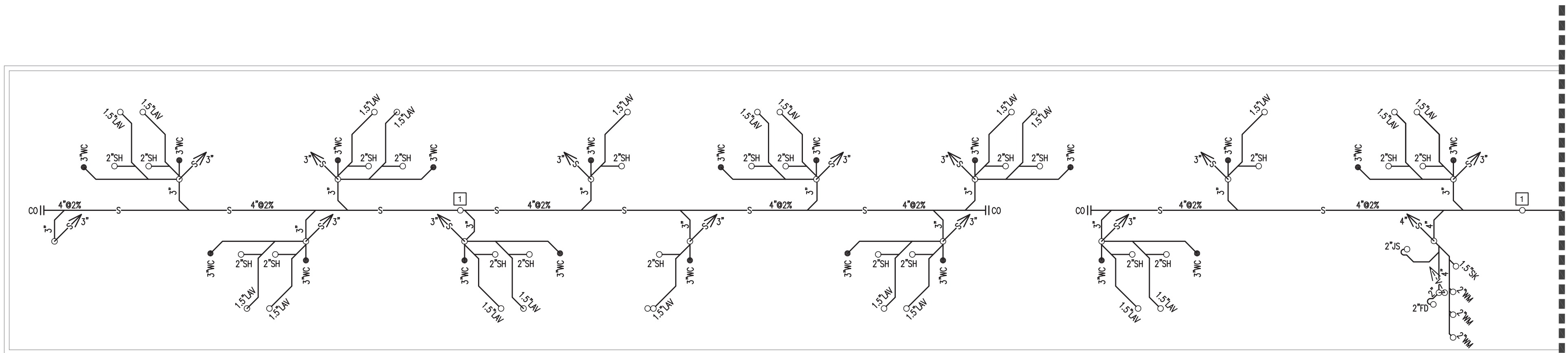
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P. 780.532.6035 F. 780.532.1880 WWW.SPA-ENG.CA



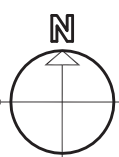
NORTHERN TRAILER
a Horizon North Business



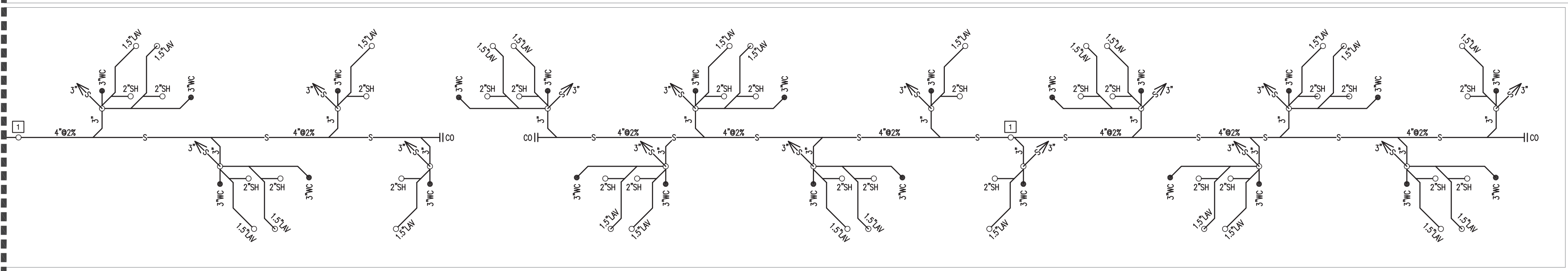
SNC-LAVALIN
O&M



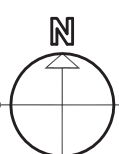
1 ENLARGED CRAFT DORMITORY COMPLEX - SKIRTED AREA PLAN
1/8" = 1'-0"



CONTINUATION



2 ENLARGED CRAFT DORMITORY COMPLEX - SKIRTED AREA PLAN
1/8" = 1'-0"



NOTES

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ISSUED FOR	REVISION	DATE (YR.MO.DA.)
95% CLIENT REVIEW	1	10.05.10
100% CLIENT REVIEW	1	10.05.17
CONSTRUCTION	1	10.05.18
FINAL REVIEW	2	10.07.05
ISSUED FOR PERMIT	3	10.08.27

CLIENT

NORTHERN
TRAILER

PROJECT

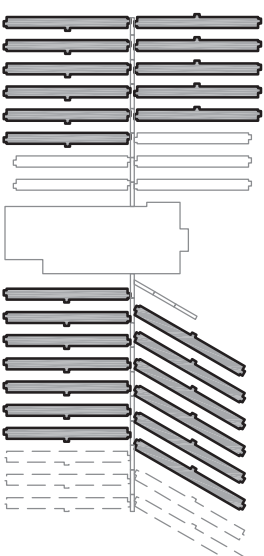
SURMONT II
PROJECT
FORT McMURRAY, AB

DRAWING

CRAFT DORMITORY
SKIRTED AREA
PLUMBING PLANS

DRAWN BY:	SB	PROF REVIEW:	KDM
TECH REVIEW:	MAM	FINAL REVIEW:	KDM
DATE:	JUNE 2010		
CONSULTANT FILE NO.:	--		
S.P.A. PROJECT NO.:	10-034		
DRAWING FILE NO.:	10-034 3M0.1.DWG		

DRAWING NUMBER	REVISION
3M1.1	3



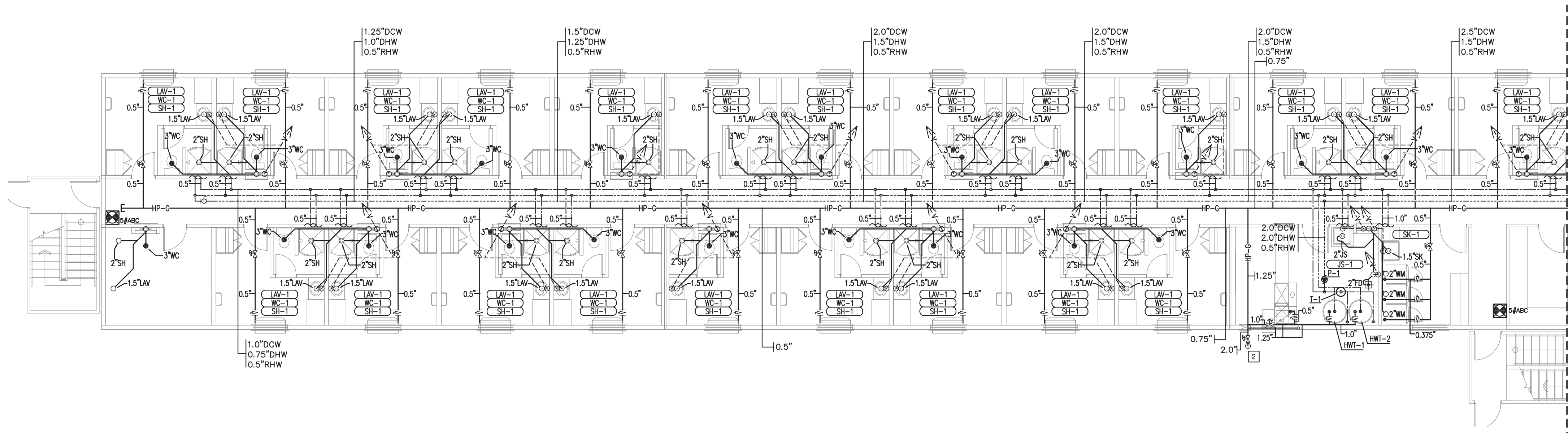
KEY PLAN

GENERAL NOTES:

1. GAS MAIN TO BE 2PSI.
2. GAS LINES TO APPLIANCES TO BE 7" W.C. PRESSURE OR LESS.

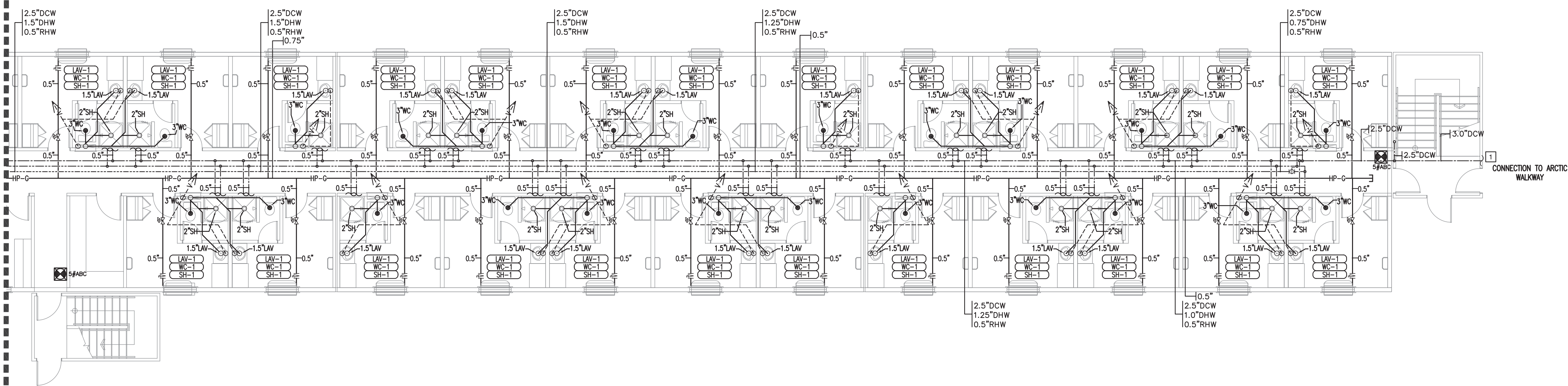
DRAWING NOTES:

- 1 3" DOMESTIC COLD WATER SUPPLY FROM MAN.
- 2 2" HIGH PRESSURE NATURAL GAS LINE SUPPLY FROM MAN.

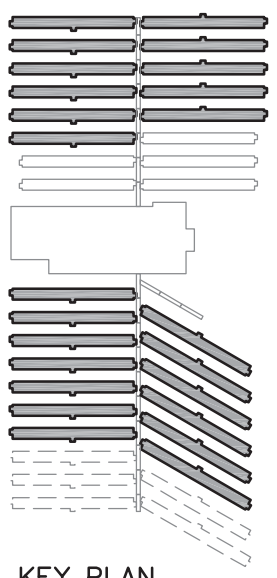


1 ENLARGED CRAFT DORMITORY COMPLEX - LOWER FLOOR PLAN
1/8" = 1'-0"

CONTINUATION



2 ENLARGED CRAFT DORMITORY COMPLEX - LOWER FLOOR PLAN
1/8" = 1'-0"



NOTES

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100% CLIENT REVIEW	1	10.05.17
CONSTRUCTION	1	10.05.18
FINAL REVIEW	2	10.07.05
ISSUED FOR PERMIT	3	10.08.27

CLIENT
NORTHERN TRAILER

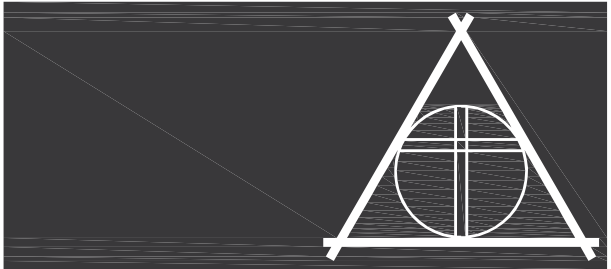
PROJECT
SURMONT II PROJECT
FORT McMURRAY, AB

DRAWING	
CRAFT DORMITORY LOWER FLOOR PLUMBING PLANS	
DRAWN BY:	SB
TECH REVIEW:	MAM
DATE:	JUNE 2010
CONSULTANT FILE NO.:	--
S.P.A. PROJECT NO.:	10-034
DRAWING FILE NO.:	10-034 3M0.1.DWG

DRAWING NUMBER	REVISION
3M1.2	3

GENERAL NOTES:

1. GAS MAIN TO BE 2PSI.
2. GAS LINES TO APPLIANCES TO BE 7" W.C. PRESSURE OR LESS.



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& ASSOCIATES LTD.
201 - 10126-120 AVE, GRANDE PRAIRIE, AB T8V 8H9
P. 780.532.6035 F. 780.532.1880 WWW.SPA-ENG.CA



NORTHERN TRAILER
a Horizon North Business



APEGGA PERMIT
No. P03581
August 30, 2010

NOTES

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ISSUED FOR PERMIT	3	10.08.27

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NORTHERN
TRAILER

PROJECT

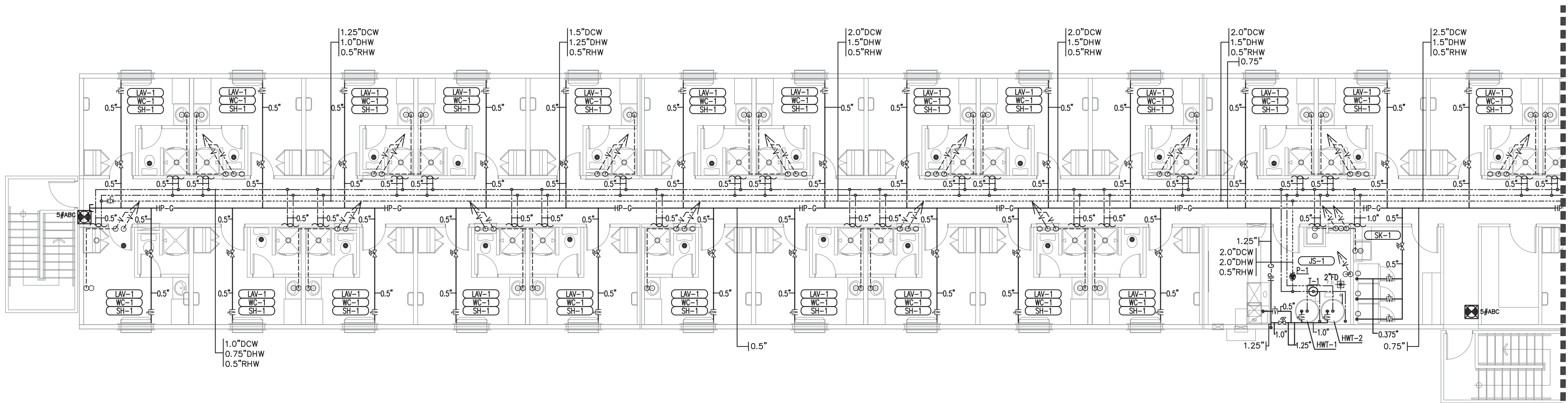
SURMONT II
PROJECT
FORT McMURRAY, AB

DRAWING

CRAFT DORMITORY
UPPER FLOOR
PLUMBING PLANS

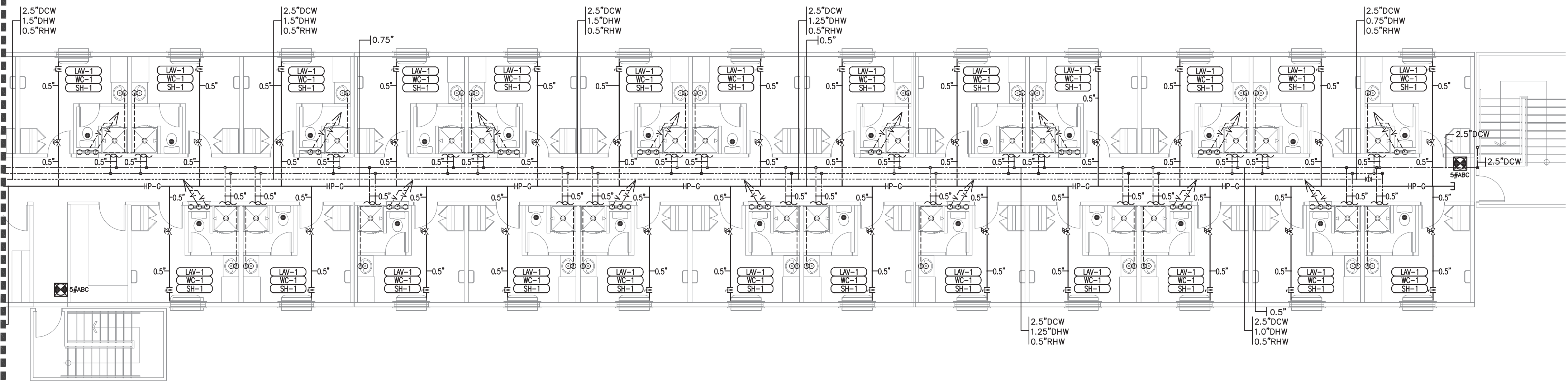
DRAWN BY:	SB	PROF REVIEW:	KDM
TECH REVIEW:	MAM	FINAL REVIEW:	KDM
DATE:	JUNE 2010		
CONSULTANT FILE NO.:	--		
S.P.A. PROJECT NO.:	10-034		
DRAWING FILE NO.:	10-034 3M0.1.DWG		

DRAWING NUMBER	REVISION
3M1.3	3

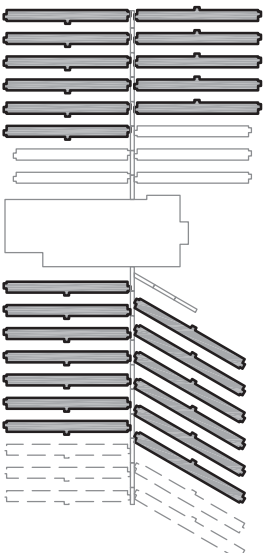


1 ENLARGED CRAFT DORMITORY COMPLEX - UPPER FLOOR PLAN
1/8" = 1'-0"

CONTINUATION



2 ENLARGED CRAFT DORMITORY COMPLEX - UPPER FLOOR PLAN
1/8" = 1'-0"



KEY PLAN

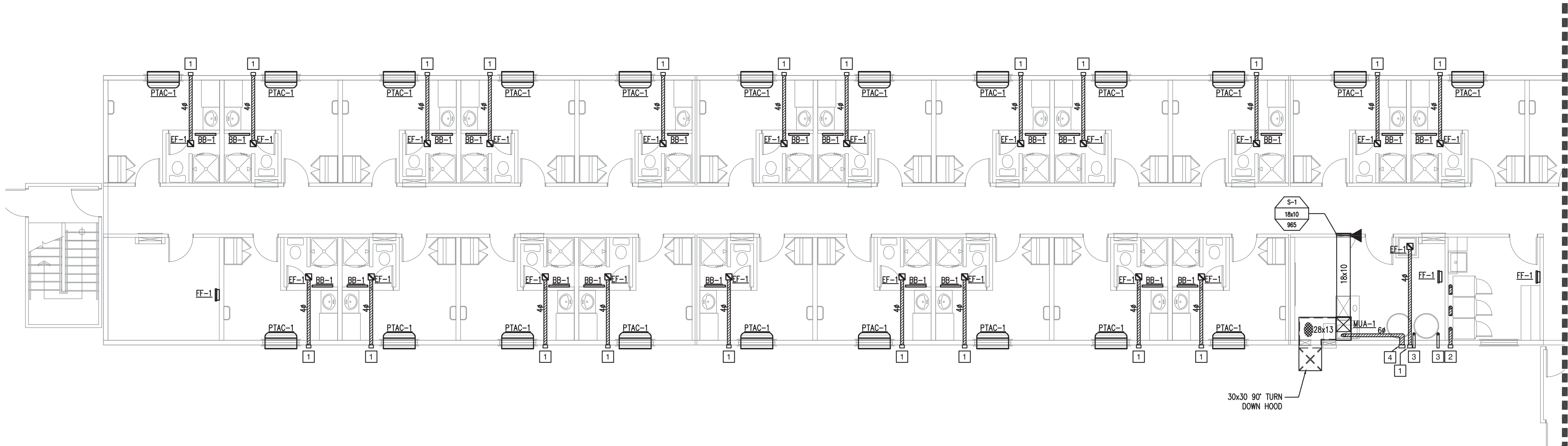
- DRAWING NOTES:
- 1

4ø EXTERNALLY INSULATED EXHAUST DUCT C/W WALL CAP & BACK DRAFT DAMPER.
- 2

THREE 4ø EXTERNALLY INSULATED DRYER VENTS C/W WALL CAP & BACK DRAFT DAMPER.
- 3

3ø PVC VENT TERMINAL, C/W PROTECTIVE MESH SCREEN.
- 4

6ø EXTERNALLY INSULATED VENT TERMINAL, C/W PROTECTIVE MESH SCREEN.

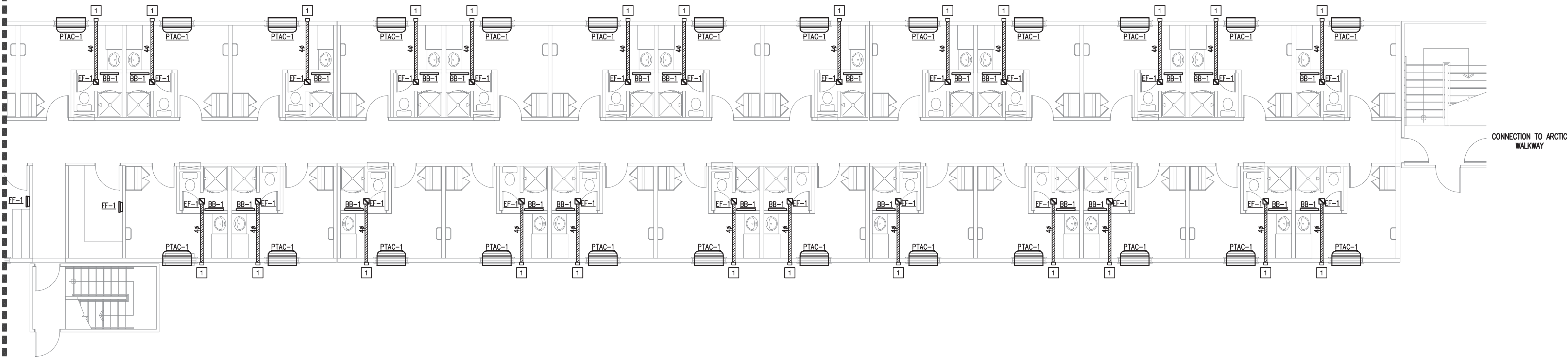


1

ENLARGED CRAFT DORMITORY COMPLEX - LOWER FLOOR PLAN

1/8" = 1'-0"

CONTINUATION



2

ENLARGED CRAFT DORMITORY COMPLEX - LOWER FLOOR PLAN

1/8" = 1'-0"

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CLIENT

NORTHERN TRAILER

PROJECT

SURMONT II PROJECT

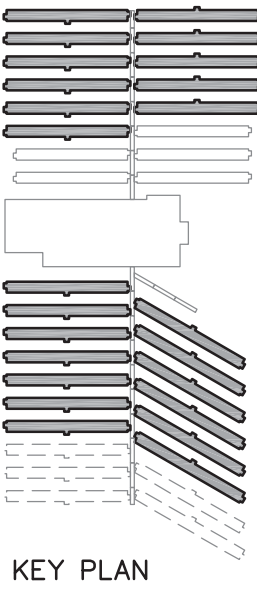
FORT McMURRAY, AB

DRAWING

CRAFT DORMITORY LOWER FLOOR HVAC PLANS

DRAWN BY:	SB	PROF REVIEW:	KDM
TECH REVIEW:	MAM	FINAL REVIEW:	KDM
DATE:	JUNE 2010		
CONSULTANT FILE NO.:	--		
S.P.A. PROJECT NO.:	10-034		
DRAWING FILE NO.:	10-034 3M0.1.DWG		

DRAWING NUMBER	REVISION
3M1.4	3



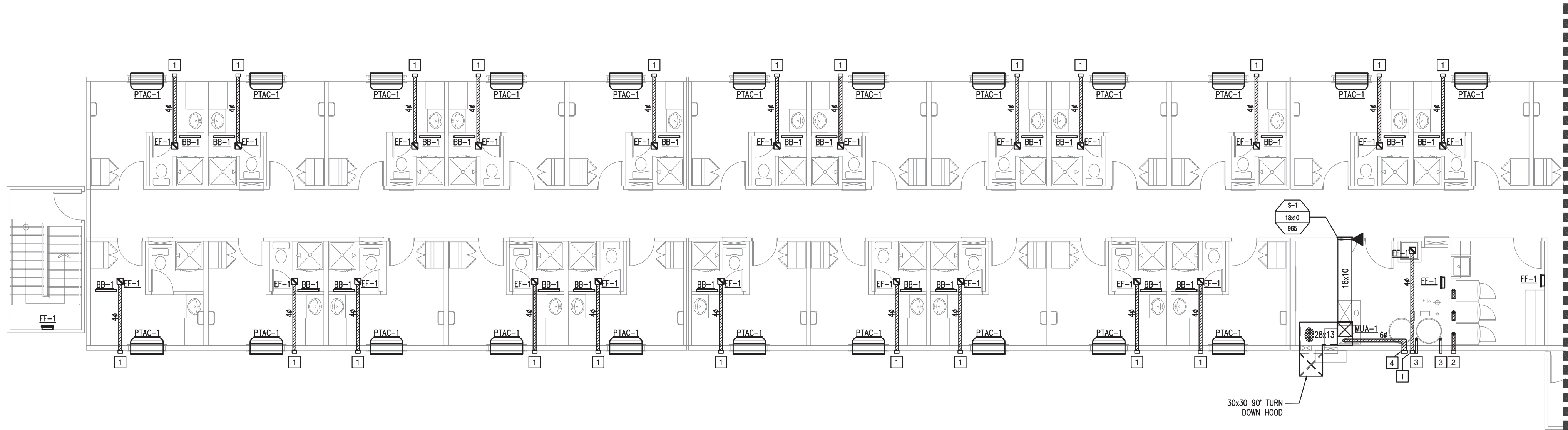
- DRAWING NOTES:
- 1

4# EXTERNALLY INSULATED EXHAUST DUCT C/W WALL CAP & BACK DRAFT DAMPER.
- 2

THREE 4# EXTERNALLY INSULATED DRYER VENTS C/W WALL CAP & BACK DRAFT DAMPER.
- 3

3# PVC VENT TERMINAL, C/W PROTECTIVE MESH SCREEN.
- 4

6# EXTERNALLY INSULATED VENT TERMINAL, C/W PROTECTIVE MESH SCREEN.

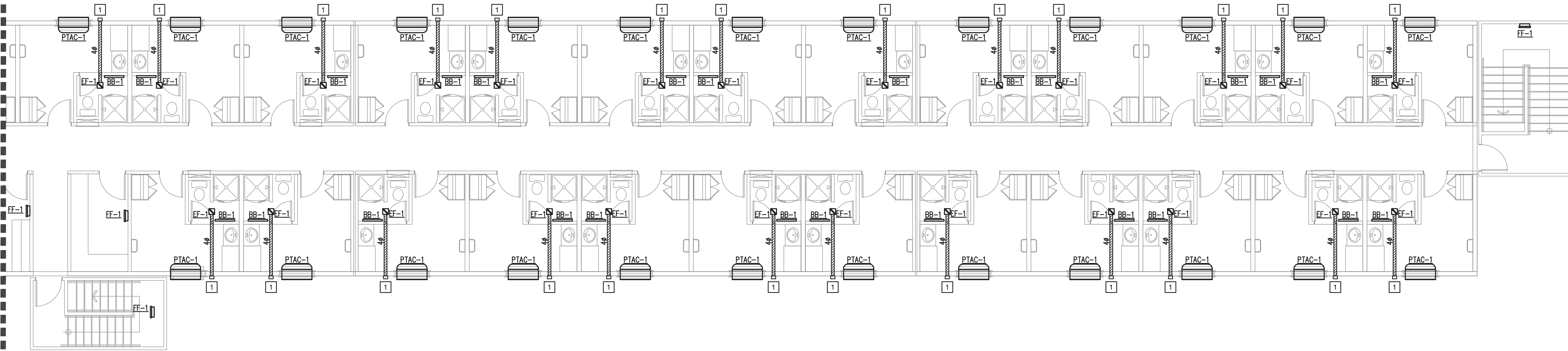


1

ENLARGED CRAFT DORMITORY COMPLEX - UPPER FLOOR PLAN

1/8" = 1'-0"

CONTINUATION



2

ENLARGED CRAFT DORMITORY COMPLEX - UPPER FLOOR PLAN

1/8" = 1'-0"

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100% CLIENT REVIEW	1	10.05.17
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ISSUED FOR PERMIT	3	10.08.27

CLIENT

NORTHERN TRAILER

PROJECT

SURMONT II

PROJECT

FORT McMURRAY, AB

DRAWING

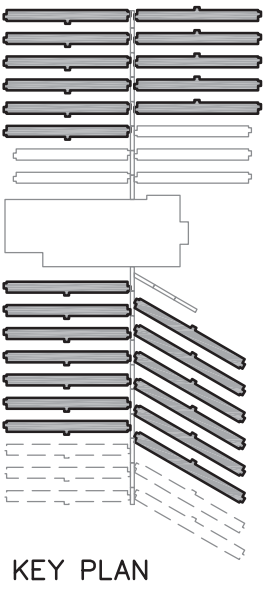
CRAFT DORMITORY

UPPER FLOOR

HVAC PLANS

DRAWN BY:	SB	PROF REVIEW:	KDM
TECH REVIEW:	MAM	FINAL REVIEW:	KDM
DATE:	JUNE 2010		
CONSULTANT FILE NO.:	--		
S.P.A. PROJECT NO.:	10-034		
DRAWING FILE NO.:	10-034 3M0.1.DWG		

DRAWING NUMBER	REVISION
3M1.5	3



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CLIENT
NORTHERN TRAILER
PROJECT
SURMONT II
PROJECT
FORT McMURRAY, AB

DRAWING

CRAFT DORMITORY

LEGENDS SCHEDULES

& DETAILS

DRAWN BY:	KDM	PROF REVIEW:	KDM
TECH REVIEW:	MAM	FINAL REVIEW:	KDM
DATE:	JUNE 2010		
CONSULTANT FILE NO.:	—		
S.P.A. PROJECT NO.:	10-034		
DRAWING FILE NO.:	10-034 3M0.1.DWG		

DRAWING NUMBER	REVISION
3M2.0	3

MAKEUP AIR UNIT SCHEDULE											
RTU	MAKE	MODEL	HTG. CAP. (MBH)		CFM	SP (IN. WG.)	MCA	WGT (LBS)	V	PH	REMARKS
			INPUT	OUTPUT							
MUA-1	ENGINEERED AIR	XE-130	128	102.4	965	0.75	8.1	235	120	1	1/3 HP
NOTES: 1. STANDARD HEAT THERMOSTAT. 2. INDOOR UNIT. 3. INTERNAL ELECTRONICS. 4. TOP FLOW & SIDE INLET UNIT.											

FAN SCHEDULE									
TAG	MAKE	MODEL	CFM	SP (IN. WG.)	W	V	PH	REMARKS	
EF-1	FANTECH	PB-100	78	0.4	19	115	1	INTERGRATE WITH LIGHTS	

PUMP SCHEDULE									
TAG	MAKE	MODEL	CAPACITY (GPM)	SP (W.C.)	HP	V	PH	REMARKS	
P-1	GRUNDFOS	UP15-35SC	5	9'	1/25	115	1	---	

PTAC SCHEDULE									
TAG	MAKE	MODEL	TOTAL CL.G. CAP. (MBH)	TOTAL HTG. CAP. (MBH)	CFM	WGT (LBS)	V	PH	REMARKS
PTAC-1	SUBURBAN	DL3-1220	11.7	14.58	280	180	208	1	INTEGRATED THERMOSTAT

HOT WATER TANK SCHEDULE			
TAG	MAKE	MODEL	DESCRIPTION
HWT-1	JOHN WOOD	(A)WSM-65-365	65 US. GALLONS, 291 GPH @ 120°F RECOVERY RATE 365 MBH INPUT, 115V/1PH, C/W POWER VENT
HWT-2	JOHN WOOD	(A)WSM-65-365	65 US. GALLONS, 291 GPH @ 120°F RECOVERY RATE 365 MBH, 115V/1PH, C/W POWER VENT

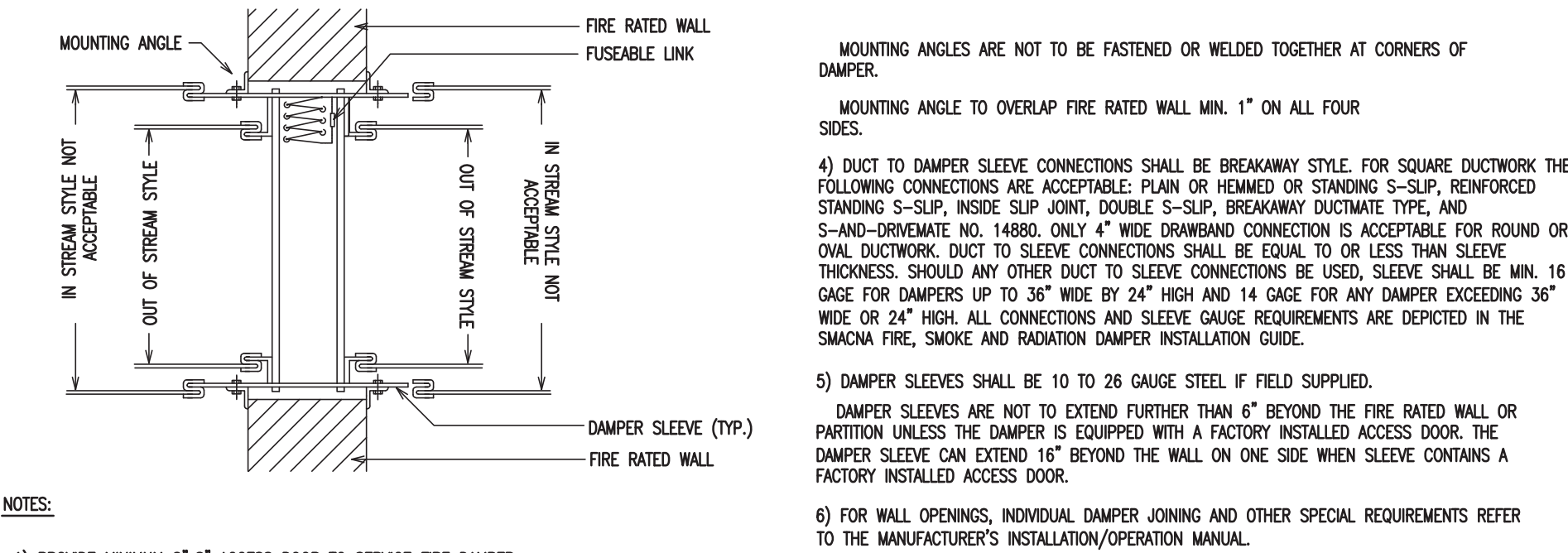
ELECTRIC BASEBOARD SCHEDULE						
TAG	MAKE	MODEL	W	V	PH	REMARKS
BB-1	OUELLET	OFM308	225	208	1	WALL MOUNTED UNIT C/W INTEGRAL T'STAT

FORCE FLOW SCHEDULE						
TAG	MAKE	MODEL	KW	V	PH	REMARKS
FF-1	OVS	OVS2008	2	208	1	WALL MOUNTED UNIT C/W INTEGRAL T'STAT

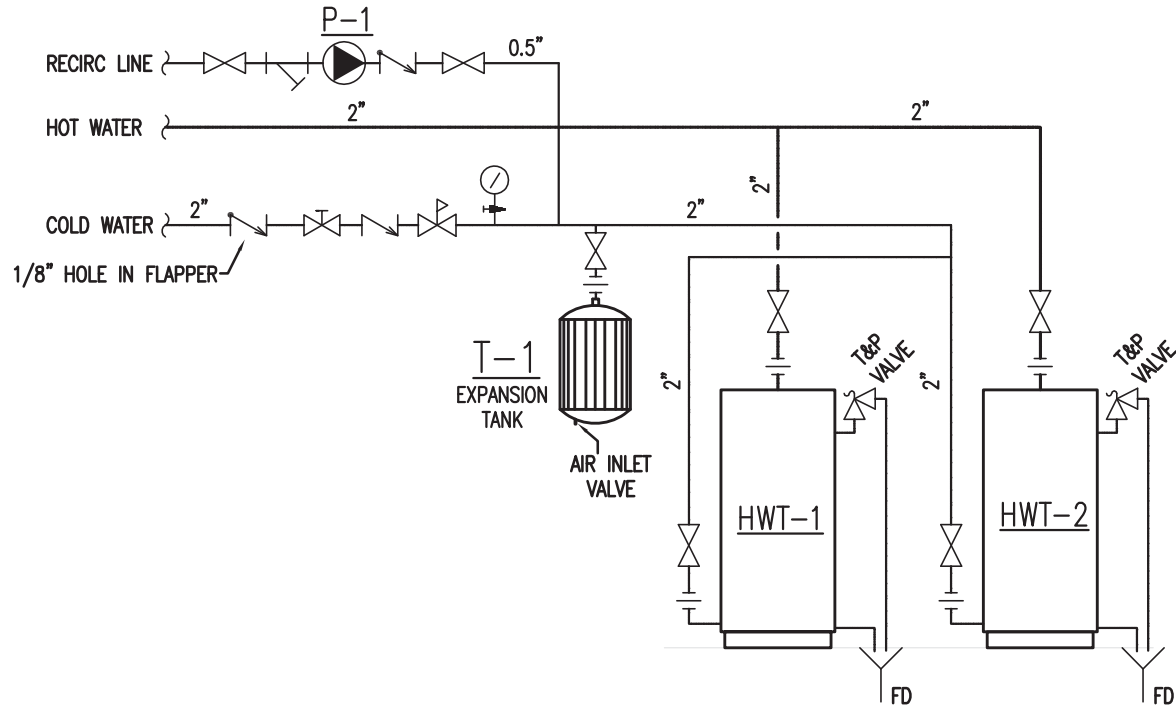
GRILLES & DIFFUSERS SCHEDULE				
GRILLE	MAKE	MODEL	DESCRIPTION	REMARKS
S-1	E.H. PRICE	520	520/F/L/A/B12	DOUBLE DEFLECTION

TANK FIXTURES SCHEDULE			
TAG	MAKE	MODEL	DESCRIPTION
T-1	WATTS	PLT-20	8.5 GALLON TANK CAPACITY, 3.2 GALLON ACCEPTED VOLUME 3/4" MALE CONNECTION, 12.5" DIA., 19.2", 15LBS.

PLUMBING FIXTURES SCHEDULE			
TAG	MAKE	MODEL	DESCRIPTION
WC-1	MANSFIELD	135	FLOOR MOUNTED, 6.0 LPT, ANTI-SIPHON BALLOOCK, VITREOUS CHINA, CLOSE-COUPLED CLOSED COMBINATION W/ ELONGATED RIM, INSULATED TANK, C/W ENCLOSED FRONT SEAT
LAV-1	KOHLER	VKRELL	COUNTER TOP MOUNTED, VITREOUS CHINA, SUPPLY OPENINGS AT 4" O/C, STERLING # 75020140-0 WHITE, C/EW DELTA #500WFIP SINGLE LEVER FAUCET & POP-UP STOPPER
SH-1	HYTEC	--	FIBREGLASS SHOWER, 36"x36" C/W LOW MAINTENANCE FAUCETS, ANTISCALD VALVES, PRESSURE BALANCING AND TRIM KIT
SK-1	CRANE	STRATFORD	6-296 STRATFORD LAUNDRY TUB, C/W LOW MAINTENANCE SWING OUT SPOUT FAUCETS, DELTA R2907, INC. C-5141 WASTE PLUG & RUBBER STOPPER TO BE INSTALLED WITH C-5192 SINGLE STAND WITH APRON FOR LAUNDRY BOWL
JS-1	MUSTEE	#62M	MOP SERVICE BASIN, C/W DELTA #2879 SUPPLY FITTING W/ VACUUM BREAKER, HOSE, HOSE BRACKET, MOP HANGER & WASTE CONNECTION
FD	WATTS	W001-2	2" ABS CLAMP STYLE C/W TRAP PRIMER



1 FIRE DAMPER DETAIL
-- NTS

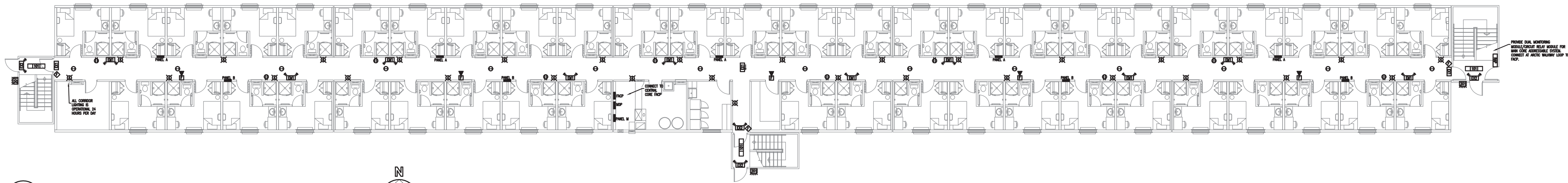


2 HOT WATER RECIRCULATION DETAIL
-- NTS

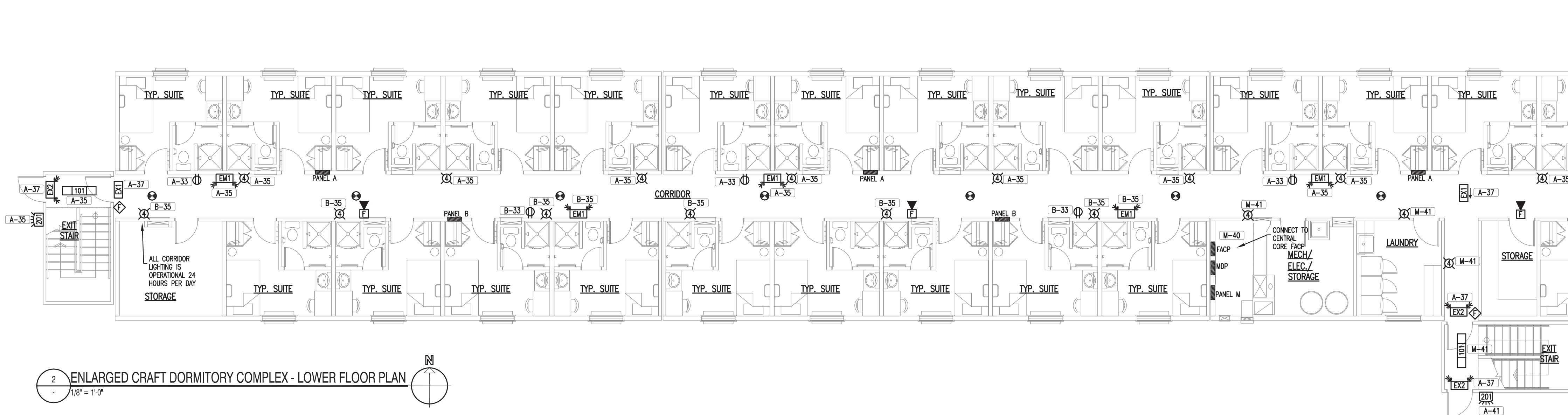
LEGEND	
PLUMBING	
NEW DOMESTIC COLD WATER LINE	----
NEW DOMESTIC HOT WATER LINE	----
EXISTING DOMESTIC COLD WATER LINE	----
EXISTING DOMESTIC HOT WATER LINE	----
DEMOLISHED DOMESTIC COLD WATER LINE	////
DEMOLISHED DOMESTIC HOT WATER LINE	////
NEW NATURAL GAS LINE	—G—
EXISTING NATURAL GAS LINE	—G—
DEMOLISHED NATURAL GAS LINE	////
NEW SANITARY LINE	—S—
EXISTING SANITARY LINE	—S—
DEMOLISHED SANITARY LINE	////
NEW SANITARY VENT	—V—
EXISTING SANITARY VENT	—V—
DEMOLISHED SANITARY VENT	////
NEW RAIN WATER LEADER	—RWL—
EXISTING RAIN WATER LEADER	—RWL—
DEMOLISHED RAIN WATER LEADER	////
HIGH-TEMP HYDRONIC SUPPLY	—HWS-H—
HIGH-TEMP HYDRONIC RETURN	—HWR-H—
LOW-TEMP HYDRONIC SUPPLY	—HWS-L—
LOW-TEMP HYDRONIC RETURN	—HWR-L—
ELBOW RISING	—O—
ELBOW DROPPING	—O—
CLEANOUT	—ICO—
NON-FREEZE HOSE BIB	—HFB—
HOSE BIB	—HB—
FLOOR DRAIN	—FD—
ROOF DRAIN	—RD—
PLUMBING FIXTURE TAG	—EQUIP—
GATE VALVE	—Z—
GLOBE VALVE	—Z—
CHECK VALVE	—Z—
PRESSURE CONTROL VALVE	—Z—
BALL VALVE	—Z—
BACK WATER PREVENTION VALVE	—Z—
PLUG VALVE	—Z—
BUTTERFLY VALVE	—Z—
MECHANICAL PRESSURE REDUCING VALVE	—Z—
SOLENOID ACTUATED VALVE	—Z—
PRESSURE &/OR TEMP. SAFETY VALVE	—Z—
STRAINER	—Z—
TEMPERATURE GAUGE	—Z—
PRESSURE GAUGE	—Z—
PUMP	—Z—
UNION	—Z—
HUB DRAIN	—Z—
FIRE EXTINGUISHER	—Z—
RISER TAG	—Z—

INTERIOR/ACOUSTIC INSULATION	=====
EXTERIOR INSULATION	=====
NEW SUPPLY AIR DUCT	=====
EXISTING SUPPLY AIR DUCT	=====
DEMOLISHED SUPPLY AIR DUCT	////
NEW RETURN AIR DUCT	=====
EXISTING RETURN AIR DUCT	=====
DEMOLISHED RETURN AIR DUCT	////
NEW EXHAUST AIR DUCT	=====
EXISTING EXHAUST AIR DUCT	=====
DEMOLISHED EXHAUST AIR DUCT	////
NEW ROUND DUCT	=====
EXISTING ROUND DUCT	=====
DEMOLISHED ROUND DUCT	////
BALANCING DAMPER	—B—
FIRE DAMPER	—B—
THERMOSTAT	—B—
CHANGE IN ELEVATION	—B—
RISE (R) DROP (D)	—B—
GRILLE/DIFFUSER TAG	—B—

TYPE	SIZE (in)	CAPACITY (CFM)
TYPE	SIZE (in)	CAPACITY (CFM)

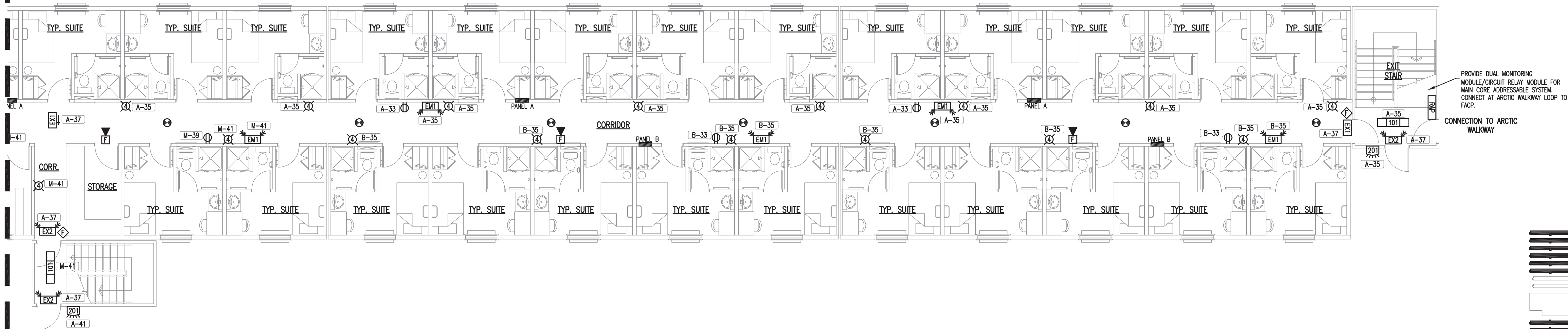


1 OVERALL CRAFT DORMITORY COMPLEX - LOWER FLOOR PLAN
1/16" = 1'-0"



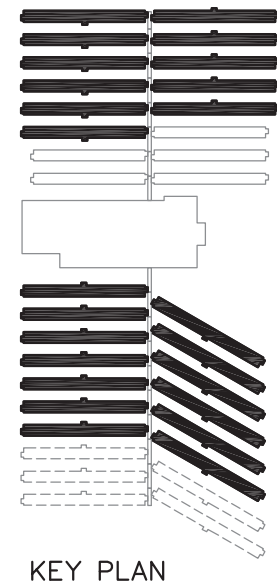
2 ENLARGED CRAFT DORMITORY COMPLEX - LOWER FLOOR PLAN
1/8" = 1'-0"

CONTINUATION



3 ENLARGED CRAFT DORMITORY COMPLEX - LOWER FLOOR PLAN
1/8" = 1'-0"

NOTE: REFER TO DRAWING 3E2.1 FOR LIGHTING FIXTURE SCHEDULE.



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REVISION	2	10.06.28
FINAL REVIEW	2	10.07.05
ISSUED FOR PERMIT	3	10.08.27

CLIENT
NORTHERN TRAILER

PROJECT
SURMONT II PROJECT
FORT McMURRAY, AB

DRAWING
CRAFT DORM LOWER FLOOR ELECTRICAL LAYOUTS

DRAWN BY: TSSN PROF REVIEW: SRJL
TECH REVIEW: MAM FINAL REVIEW: SRJL

DATE: MAY 2010

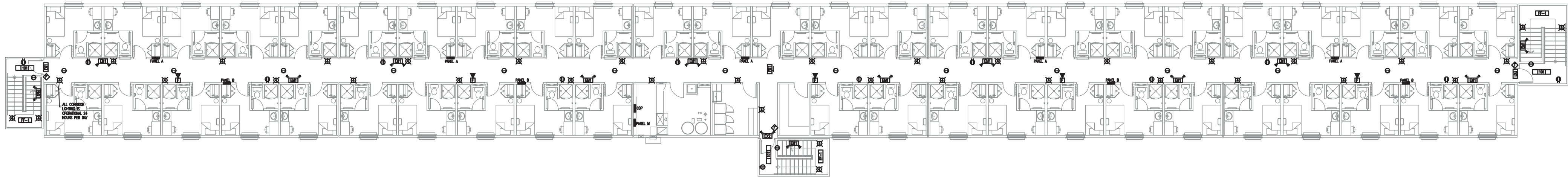
CONSULTANT FILE NO.: -

S.P.A. PROJECT NO.: 10-034

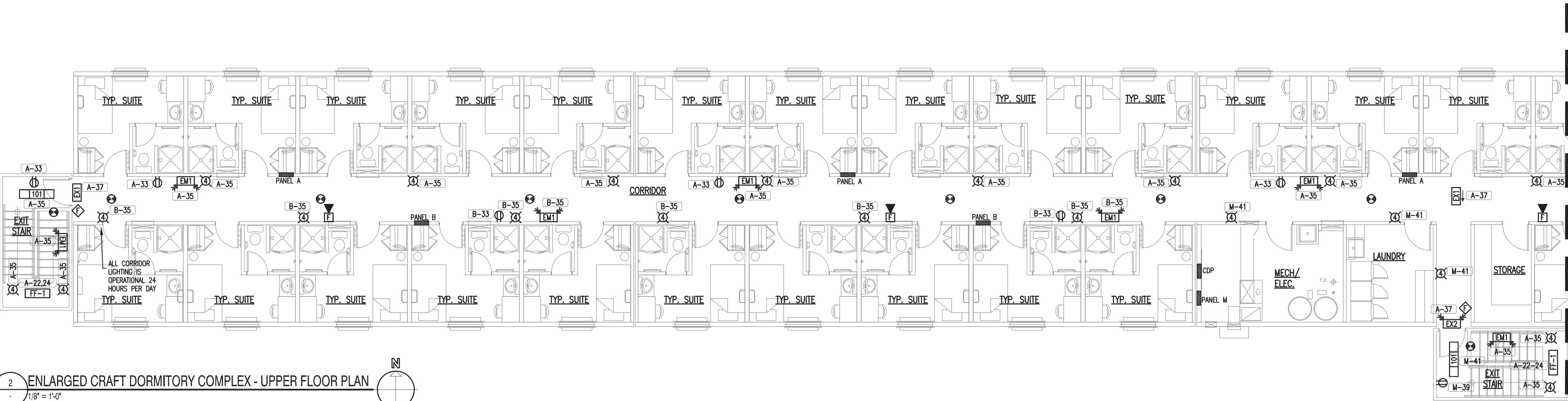
DRAWING FILE NO.: E10-034 CRAFT DORM.DWG

DRAWING NUMBER	REVISION
3E1.1	3

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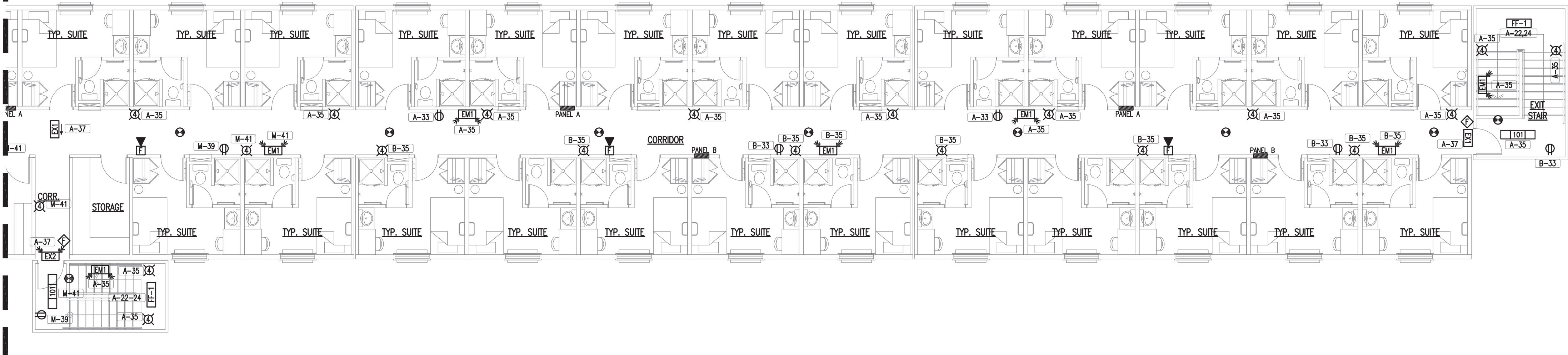


1 OVERALL CRAFT DORMITORY COMPLEX - UPPER FLOOR PLAN
1/16" = 1'-0"

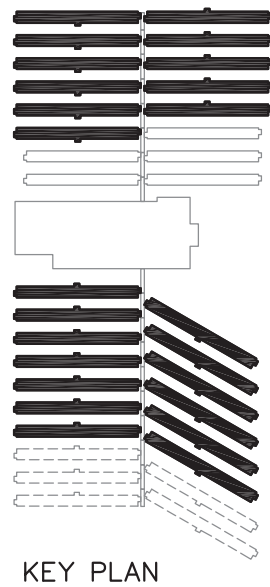


2 ENLARGED CRAFT DORMITORY COMPLEX - UPPER FLOOR PLAN
1/16" = 1'-0"

CONTINUATION



3 ENLARGED CRAFT DORMITORY COMPLEX - UPPER FLOOR PLAN
1/16" = 1'-0"



NOTE: REFER TO DRAWING 3E2.1 FOR LIGHTING FIXTURE SCHEDULE.

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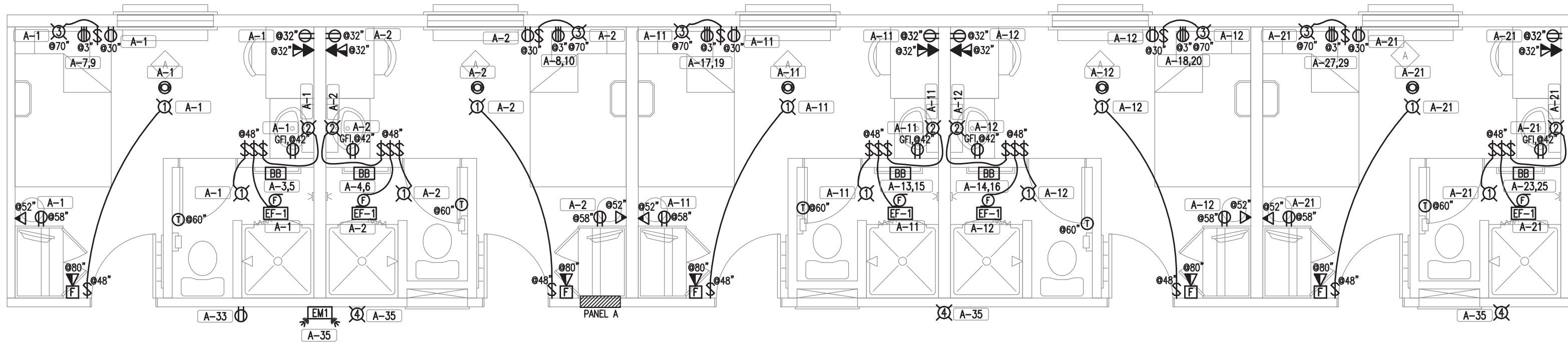
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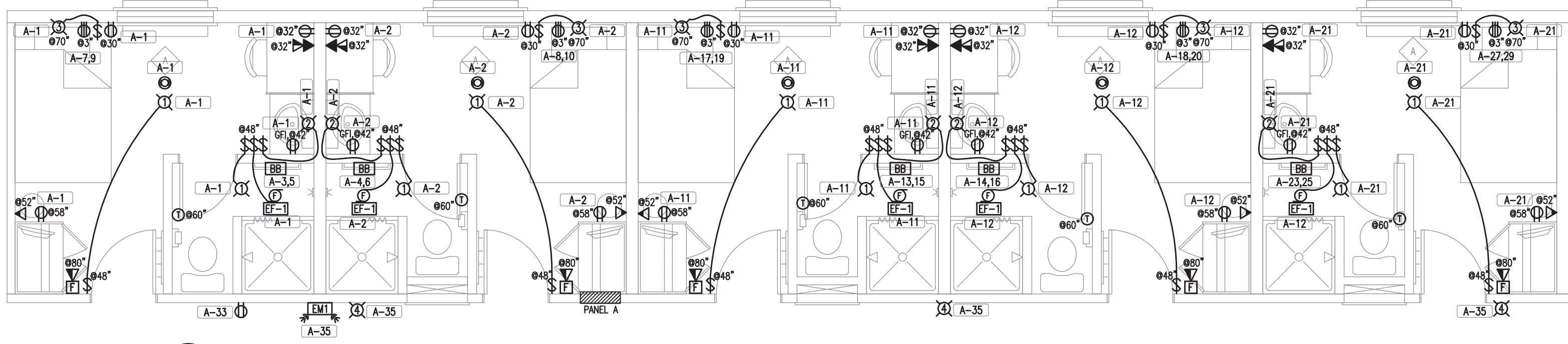
CLIENT
NORTHERN TRAILER

PROJECT
SURMONT II PROJECT
FORT McMURRAY, AB

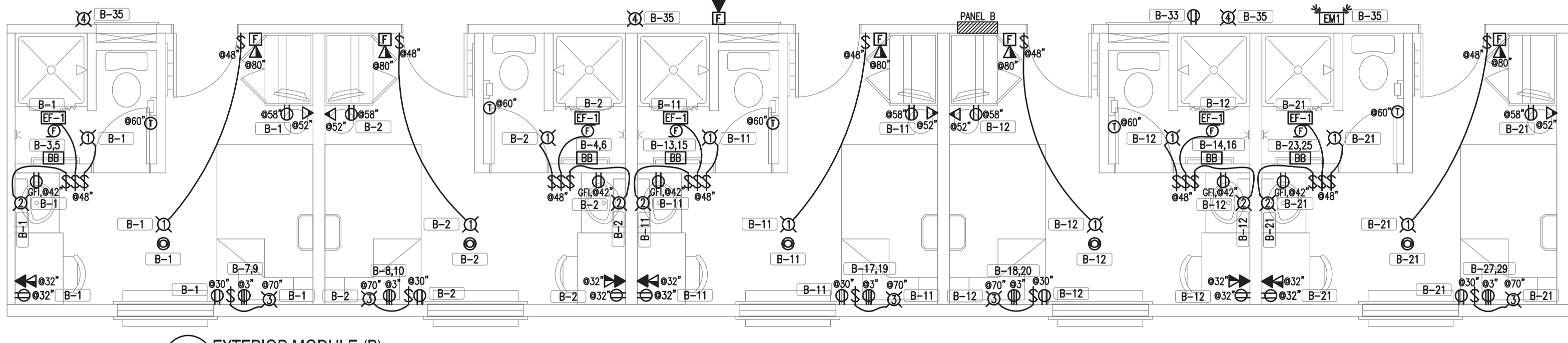
DRAWING CRAFT DORM UPPER FLOOR ELECTRICAL LAYOUTS	
DRAWN BY: TSSN	PROF REVIEW: SRJL
TECH REVIEW: MAM	FINAL REVIEW: SRJL
DATE: MAY 2010	
CONSULTANT FILE NO.: -	
S.P.A. PROJECT NO.: 10-034	
DRAWING FILE NO.: E10-034 CRAFT DORM.DWG	
DRAWING NUMBER 3E1.2	REVISION 3



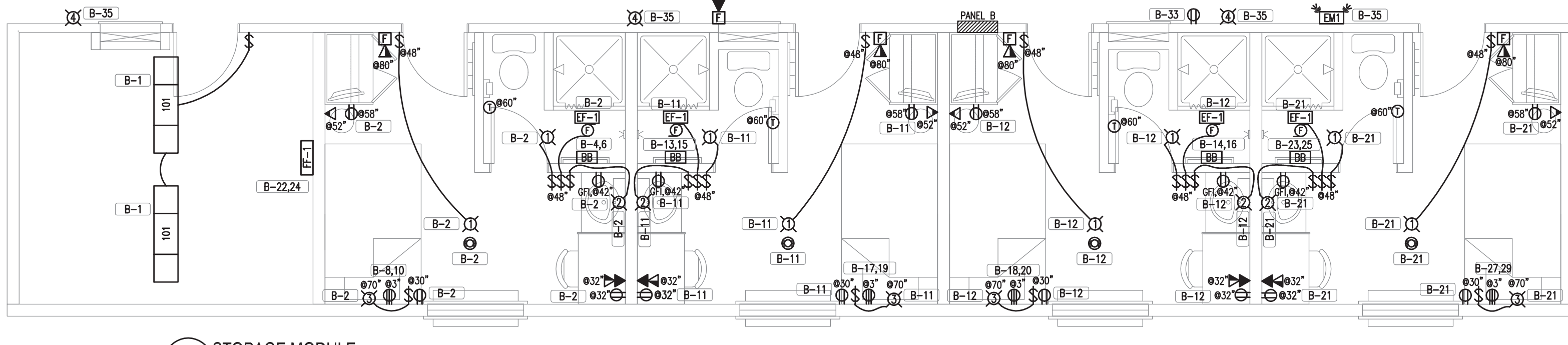
1 INTERIOR MODULE
1/4" = 1'-0"



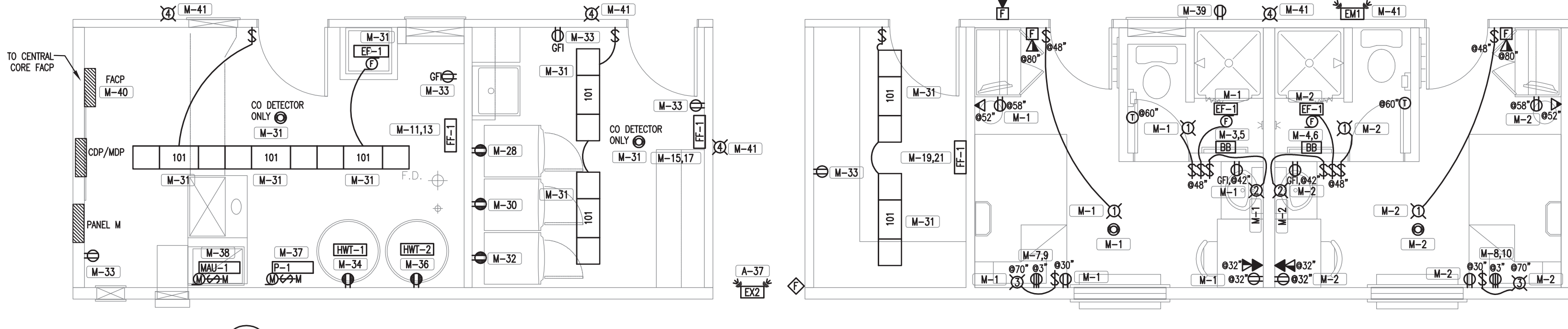
2 EXTERIOR MODULE (A)
1/4" = 1'-0"



3 EXTERIOR MODULE (B)
1/4" = 1'-0"

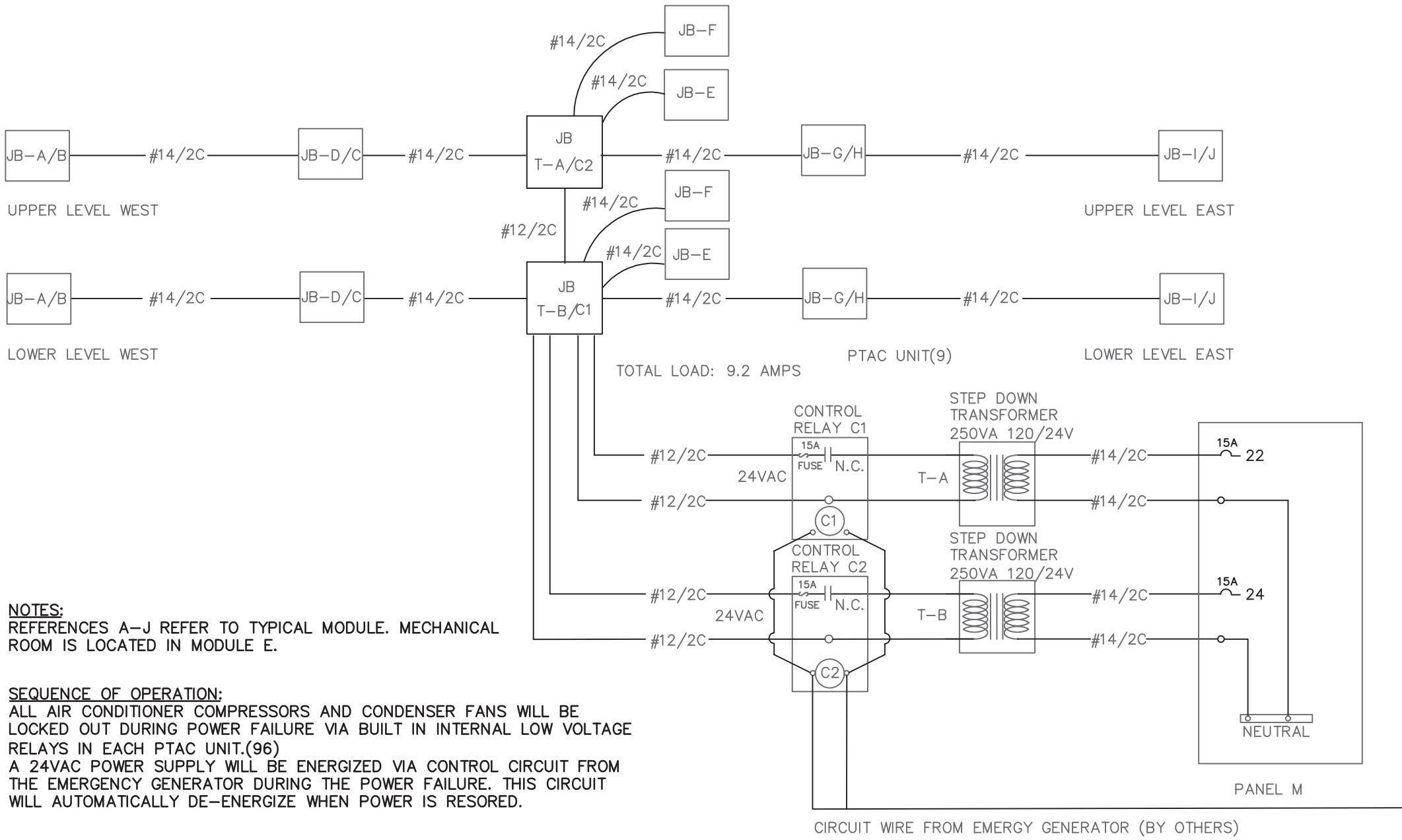


4 STORAGE MODULE
1/4" = 1'-0"



5 MECHANICAL/STORAGE MODULE
1/4" = 1'-0"

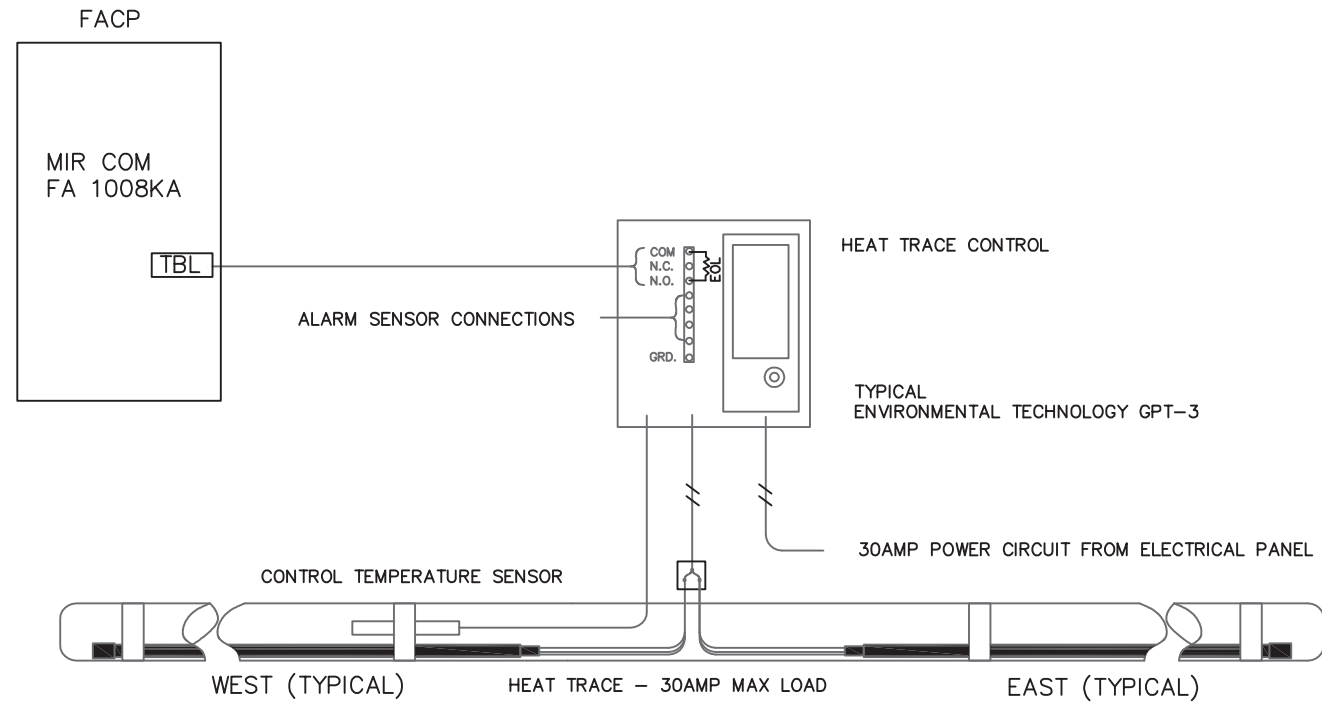
PTAC LOAD SHEDDING CIRCUIT



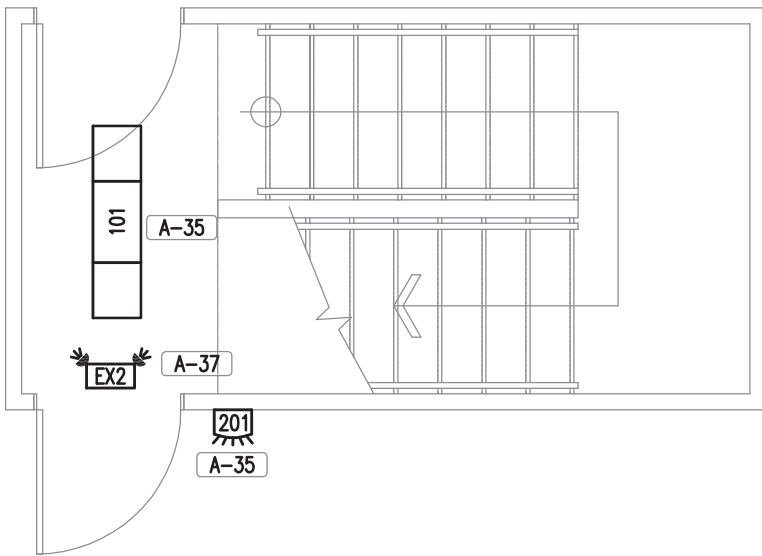
NOTES:
REFERENCES A-J REFER TO TYPICAL MODULE. MECHANICAL ROOM IS LOCATED IN MODULE E.

SEQUENCE OF OPERATION:
ALL AIR CONDITIONER COMPRESSORS AND CONDENSER FANS WILL BE LOCKED OUT DURING POWER FAILURE VIA BUILT IN INTERNAL LOW VOLTAGE RELAYS IN EACH PTAC UNIT.(96)
A 24VAC POWER SUPPLY WILL BE ENERGIZED VIA CONTROL CIRCUIT FROM THE EMERGENCY GENERATOR DURING THE POWER FAILURE. THIS CIRCUIT WILL AUTOMATICALLY DE-ENERGIZE WHEN POWER IS RESORED.

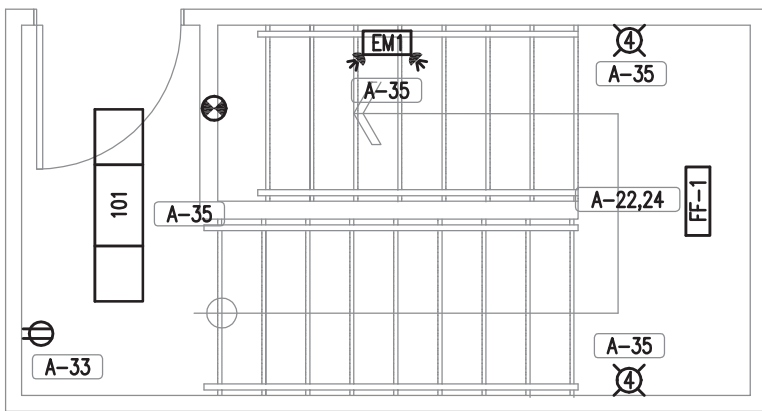
HEAT TRACE CONTROL DIAGRAM



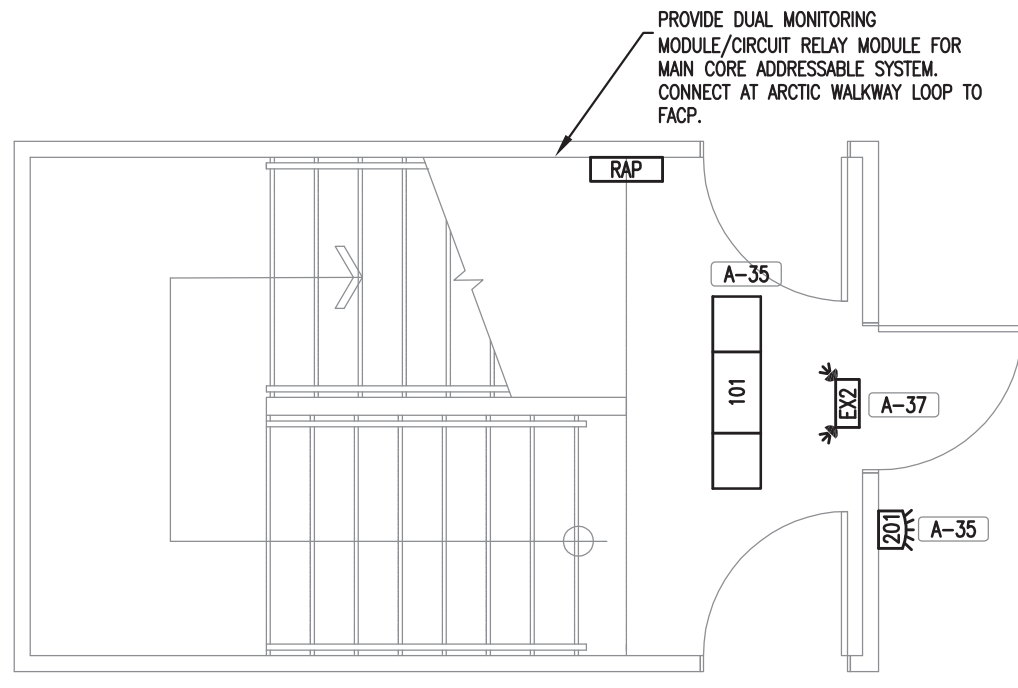
SEQUENCE OF OPERATION:
THE GPT-3 CONTROL THERMOSTAT IS ACTIVATED VIA THE TEMPERAURE SENSOR LOCATED ON THE CONDUIT. IN THE EVENT THAT A GROUND FAULT,A FAILURE IN THE CONTROL OR MONITORING CIRCUIT, AN OPEN OR SHORT IN THE POWER CIRCUIT THE SYSTEM WILL INITIATE AN ALARM. THE TROUBLE ZONE AT THE FIRE ALARM PANEL AND THE REMOTE TROUBLE SIGNAL LIGHT WILL BE ACTIVATED VIA THE AUXILIARY RELAY ADJACENT TO THE CONTROL PANEL.



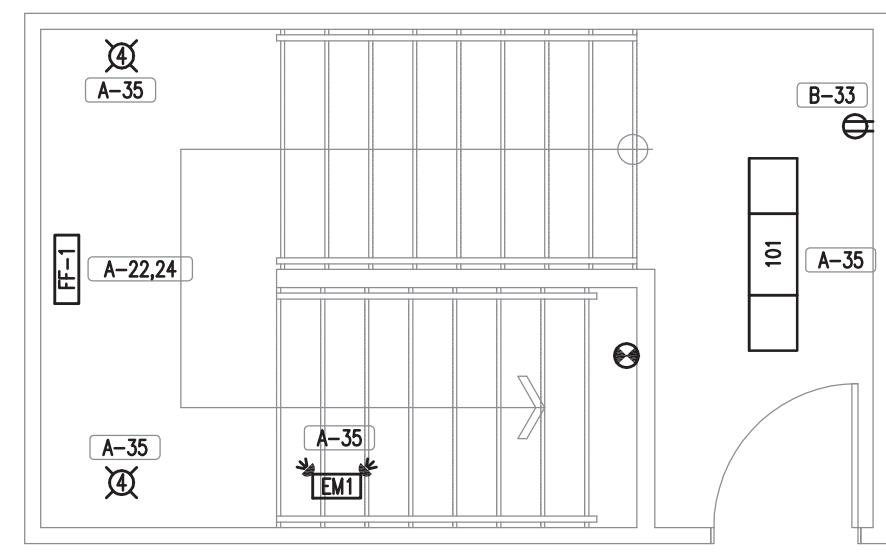
6 LOWER STAIRCASE
1/4" = 1'-0"



7 UPPER STAIRCASE
1/4" = 1'-0"



8 LOWER STAIRCASE (B)
1/4" = 1'-0"



9 UPPER STAIRCASE (B)
1/4" = 1'-0"

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CLIENT
NORTHERN TRAILER

PROJECT
**SURMONT II PROJECT
FORT McMURRAY, AB**

DRAWING
**CRAFT DORM
TYPICAL TRAILER
ELECTRICAL LAYOUTS**

DRAWN BY: TSSN PROF REVIEW: SRJL
TECH REVIEW: MAM FINAL REVIEW: SRJL
DATE: MAY 2010

CONSULTANT FILE NO.: -
S.P.A. PROJECT NO.: 10-034

DRAWING FILE NO.: E10-034 CRAFT DORM.DWG

DRAWING NUMBER
3E1.3

REVISION
3

LEGEND

	DEVICE DESCRIPTION TAG
	PANEL AND CIRCUIT NUMBER
	RECEPTACLE, DUPLEX
	RECEPTACLE, DEDICATED
	RECEPTACLE, 1-SLOT
	RECEPTACLE, DUPLEX SPLIT
	RECEPTACLE, DIRECT CONNECTION
	RECEPTACLE, SPECIAL
WHERE XX DENOTES:	
GF	GROUND FAULT INTERRUPT
OC	OVER COUNTER
WP	WEATHER PROOF
	TV COAX
	TELEPHONE OUTLET
	DATA OUTLET
	TELEPHONE TERMINATION BOARD
	SWITCH, SINGLE GANG
	SWITCH, THREE WAY
	PHOTOELECTRIC CONTROL DEVICE
	FIXTURE NUMBER
	FLUORESCENT, SURFACE
	WALL PACK
	PENDANT
WHERE # DENOTES:	
INCANDESCENT, TYPE 1-99	INCANDESCENT, TYPE 1-99
FLUORESCENT, TYPE 100-199	FLUORESCENT, TYPE 100-199
HIGH INTENSITY DISCHARGE, TYPE 200 - 299	HIGH INTENSITY DISCHARGE, TYPE 200 - 299
	FLUORESCENT, STRIP
	TRACK LIGHT
	EMERGENCY BATTERY PACK
	EMERGENCY LIGHTING
	EXIT SIGN W/2 LAMPS
	EXIT SIGN (ARROWS DENOTE DIRECTION)
	FIRE ALARM CONTROL PANEL
	FIRE ALARM REMOTE ANNUNCIATOR PANEL
	MANUAL PULL STATION
	END OF LINE RESISTOR
	DETECTOR, SMOKE
	DETECTOR, FIXED HEAT
	DETECTOR, RATE OF RISING HEAT
	FIRE ALARM HORN
	FIRE ALARM MINI HORN C/W SILENCE SWITCH
	DOOR HOLD OPEN
	FLOW SWITCH
	PRESSURE SWITCH
	TAMPER SWITCH
	INPUT MODULE
	ISOLATED INPUT MODULE
	CONTROL MODULE
	SMOKE ALARM C/W CO DETECTOR
	PANEL BOARD
	DISCONNECT SWITCH
	MOTOR
	JUNCTION BOX
	SWITCH, MOTOR DISCONNECT

GENERAL NOTES

1. ALL MATERIALS THAT ARE USED DURING THIS CONSTRUCTION SHALL BE NEW.
2. ALL ELECTRICAL INSTALLATIONS TO BE INSTALLED IN ACCORDANCE WITH APPLICABLE CODES AND REGULATIONS IN EFFECT.
3. ELECTRICAL CONTRACTOR TO ADHERE TO APPRENTICESHIP AND INDUSTRY TRAINING ACT.
4. CONTRACTOR MUST COORDINATE WITH ENGINEER SITE INSPECTIONS AS REQUIRED. MINIMUM OF ONE INSPECTION DURING THE ROUGH-IN STAGE OF CONSTRUCTION. MINIMUM OF ONE INSPECTION AFTER SUBSTANTIAL COMPLETION.
5. COORDINATE ANY CONFLICTING WORK WITH THE USER GROUP AND OTHER TRADES.
6. ALL RECEPTACLES MOUNTED ON THE DEMISING AND EXTERIOR WALLS SHALL HAVE VAPOUR CAPS.
7. MINIMUM FEEDER WIRE SIZE USED SHALL BE #14 AWG.
8. COORDINATE ELECTRICAL REQUIREMENTS OF ALL OWNER SUPPLIED EQUIPMENT ON-SITE.
9. USE ISOLATION MODULES WHERE NECESSARY WITH ADDRESSABLE FIRE ALARM SYSTEMS.
10. SUITE PIEZOS MUST BE INSTALLED ON A CLASS A LOOP.

LIGHTING FIXTURE SCHEDULE

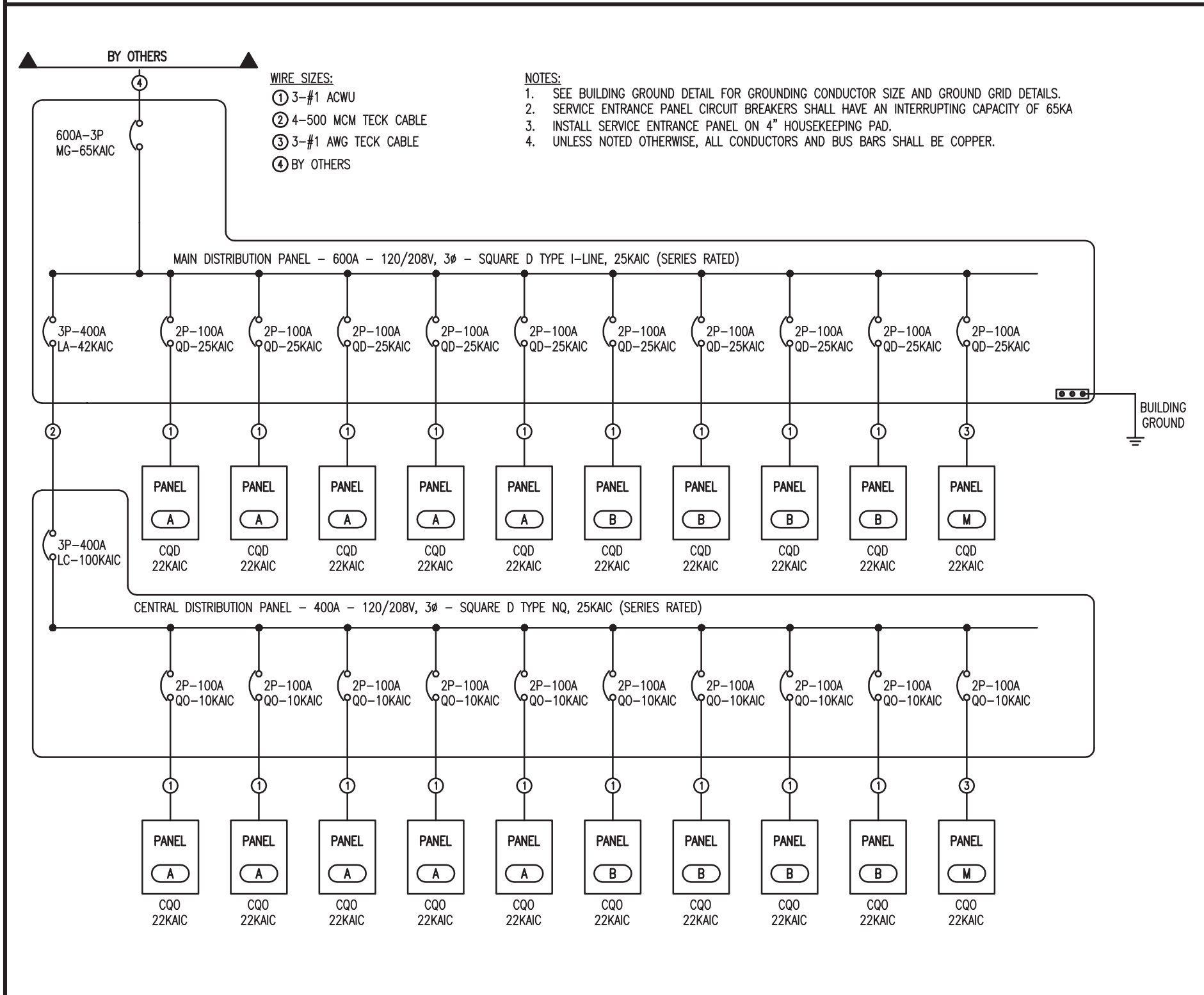
TAG	TYPE	LAMPING	BALLAST	SIZE	DESCRIPTION	MANUFACTURER	MODEL	MOUNTING HEIGHT	REMARKS
NO.	BULB	WATT.	VOLT.	TYPE					
1	INCANDESCENT	2	A15	60	120	N/A		2 LAMP CEILING MOUNT	
2	INCANDESCENT	3	A15	60	120	N/A		3 LAMP VANITY	
3	COMPACT FLU.	1	PL13	60	120	N/A		BUNK LAMP	
4	COMPACT FLU.	2	A19	60	120	N/A		WALL SCONCE	
101	FLUORESCENT	2	T8	32	120	ELECTRONIC	1' X 4'	SURFACE WRAP	
201	HPS	1	HPS	150	120	REACTOR		EXTERIOR WALLPACK	
EX1	LED			3	120	-		SELF POWERED EXIT SIGN	
EX2	MINI TUNGSTEN	2	MT	9	120	-		COMBINATION PACK	28W
EM1	MINI TUNGSTEN	2	MT	9	120	-		EMERGENCY BATTERY PACK W/ 2 HEADS	
EM2	MINI TUNGSTEN	2	MT	9	120	-		DOUBLE EMERGENCY REMOTE HEAD	

REMARKS:
A. FIXTURE SHALL COME COMPLETE WITH INTEGRAL PHOTOCCELL CONTROLS (INTERMATIC K4421M).

GENERAL REMARKS (APPLICABLE TO ALL FIXTURES):
1. ALL FLUORESCENT BALLASTS ARE TO BE ELECTRONIC.
2. ANY ALTERNATIVE FIXTURES TO THE ONES LISTED ABOVE ARE SUBJECT TO APPROVAL BY ENGINEER.
3. NUMBER OF LAMPS REFERS TO LAMPS PER CROSS SECTION.
4. MOUNT LIGHTS AT HEIGHTS SPECIFIED UNLESS OTHERWISE NOTED.

SINGLE LINE DIAGRAM - CRAFT DORM

FULLY RATED 25KAIC SYSTEM

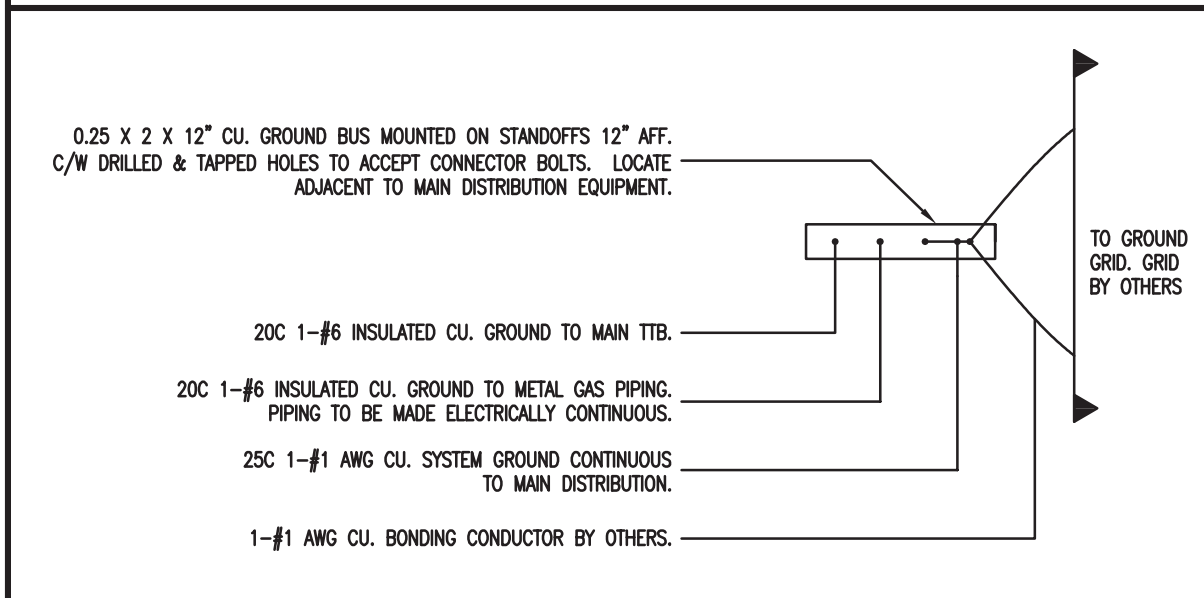


MECHANICAL MOTOR SCHEDULE

TAG	DESCRIPTION	LOCATION	VOLTAGE PHASE	HP	FLA OR (MCA)	WATTS	O/C	FEEDER	STARTER	CONTROL	REMARKS
MAU-1	AIR HANDLING UNIT	MECHANICAL ROOM	120-1		5.33		20	#12	INTEGRAL		
PTAC-1	GAS PTAC	SUITES	208-1		4.6	950	15	#12		THERMOSTAT	
P-1	PUMP	MECHANICAL ROOM	120-1	FRACTIONAL	<5		15	#12			
BB-1	BASEBOARD HEATER	SUITE WASHROOMS	208-1		<5	225	15	#12		THERMOSTAT	
FF-1	FORCE FLOW HEATER	STAIRWELLS	208-1		9.2	2000	15	#12		THERMOSTAT	
HWT-1,2	HOT WATER TANK	MECHANICAL ROOM	120-1		.5		15	#12			
EF-1	EXHAUST FAN	SUITE WASHROOMS	120-1	FRACTIONAL	<5		15	#12		SWITCH	

GENERAL REMARKS (APPLICABLE TO ALL EQUIPMENT):
1. SEE MECHANICAL DRAWINGS FOR ALL THERMOSTAT AND SENSOR LOCATIONS.
2. REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ELECTRICAL WORK NOT INDICATED HERE.
3. CONFIRM ALL MOTOR AND EQUIPMENT REQUIREMENTS PRIOR TO ROUGH-IN AND ALSO EXACT LOCATION OF SAME.
4. MINIMUM FEEDER AND BRANCH CIRCUITS USED IN THE BUILDING IS TO BE 12 AWG.
5. DO NOT SIZE FEEDERS AND BRANCH CIRCUITS LESS THAN SHOWN ABOVE.
6. DISCONNECTS SHALL BE SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS THEY ARE AN INTEGRAL PART OF THE MECHANICAL EQUIPMENT.
7. CO-ORDINATE MOTOR CONTROL WITH MECHANICAL SPECIFICATIONS.

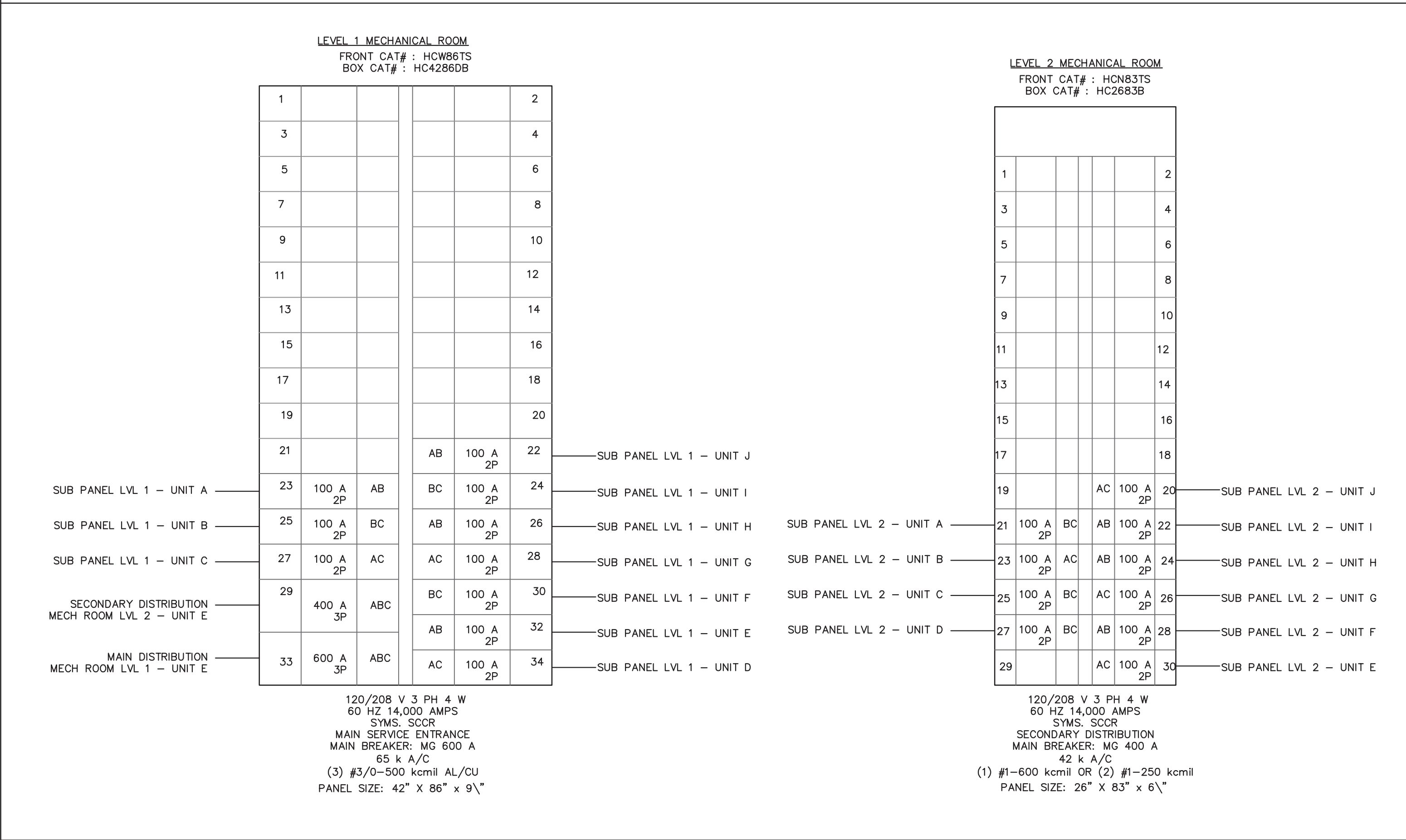
BUILDING GROUND DETAIL



PANEL	LOCATION	MOUNTING
A	CORRIDOR (TYPICAL PANEL)	FLUSH
MANU.	SQUARE D	MODEL QO
VOLT.	120/208	AMP. 100 PH. 1 WIRE 3 MAIN BREAKER N/A
LIGHTS/RECEPTACLES	15 1	2 15
WASHROOM BASEBOARD HEATER	15 3	4 15
PTAC HEATER	15 7	8 15
LIGHTS/RECEPTACLES	15 11	12 15
WASHROOM BASEBOARD HEATER	15 13	14 15
PTAC HEATER	15 17	18 15
LIGHTS/RECEPTACLES	15 21	22 15
WASHROOM BASEBOARD HEATER	15 23	24 2P
PTAC HEATER	15 27	28 2P
CORRIDOR RECEPTACLE	15 31	32 15 SPARE
CORRIDOR LIGHTING/EMERGENCY LIGHTING	15 35	36 15 SPARE
EXIT SIGNAGE (WHERE REQUIRED)	15 37	38 15 SPARE

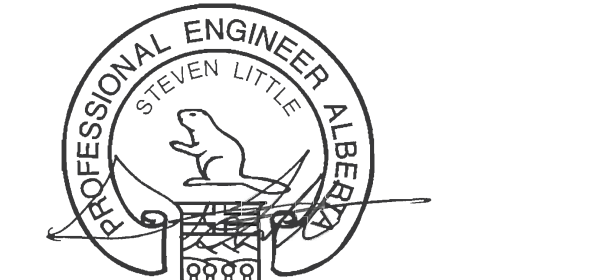
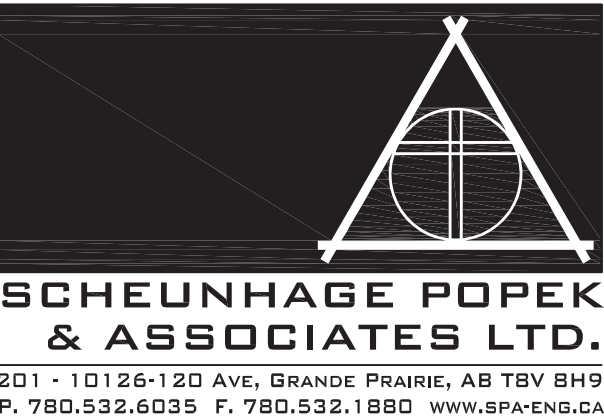
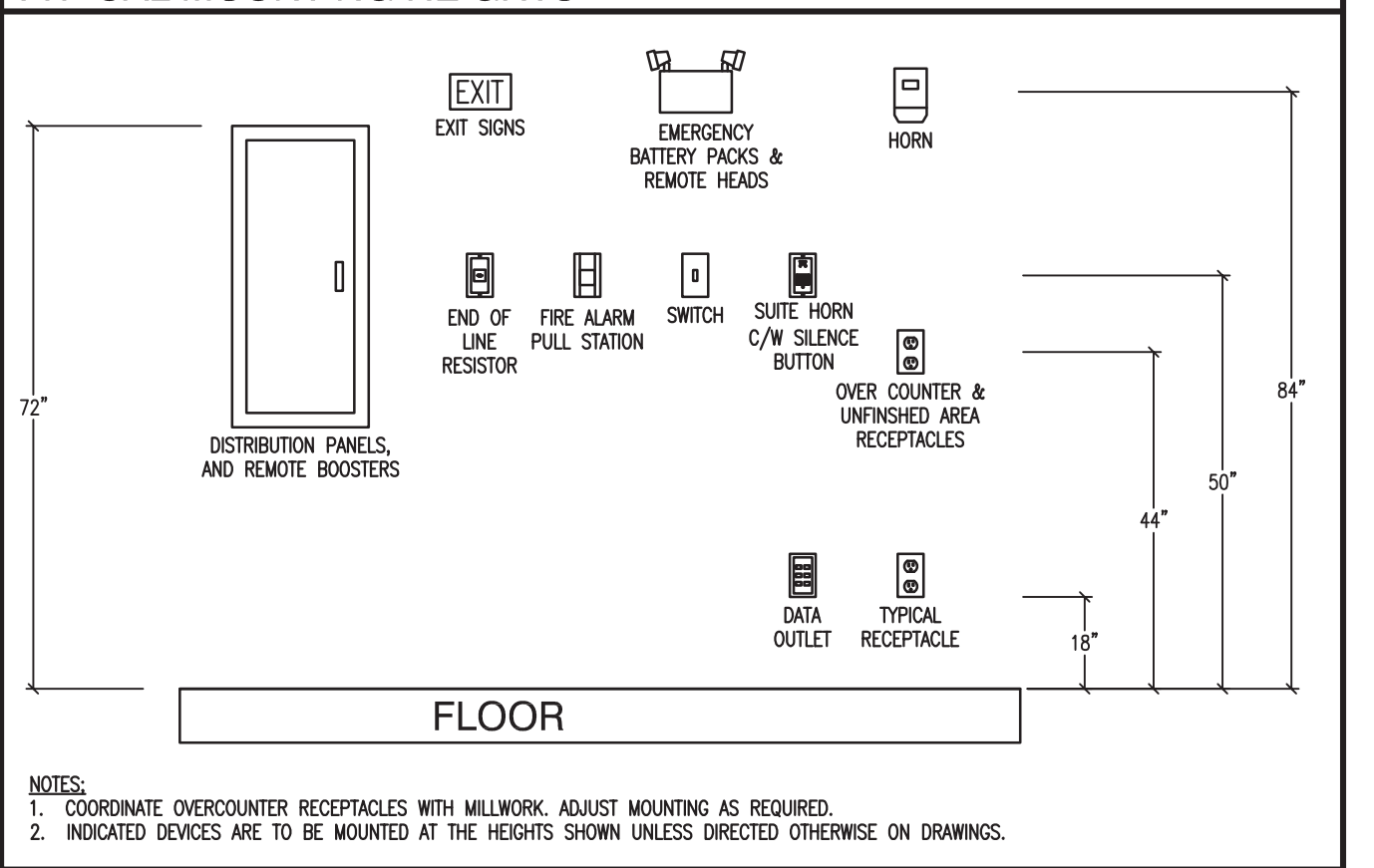
PANEL	LOCATION	MOUNTING
M	MECH RM (TYPICAL PANEL)	SURFACE
MANU.	SQUARE D	MODEL NQ
VOLT.	120/208	AMP. 100 PH. 1 WIRE 3 MAIN BREAKER N/A
LIGHTS/RECEPTACLES	15 1	2 15
WASHROOM BASEBOARD HEATER	15 3	4 15
PTAC HEATER	15 7	8 15
FF-1 - FORCE FLOW HEATER	15 11	12 15
FF-1 - FORCE FLOW HEATER	15 13	14 15 SPARE
FF-1 - FORCE FLOW HEATER	15 15	16 15 SPARE
FF-1 - FORCE FLOW HEATER	15 17	18 15 SPARE
FF-1 - FORCE FLOW HEATER	15 19	20 15 SPARE
	15 21	22 15 PTAC SHUTDOWN (LOWER PANEL M ONLY)
	15 23	24
	15 25	26
	15 27	28 15 DEDICATED RECEPTACLE - WASHER/DRYER
	15 29	30 15 DEDICATED RECEPTACLE - WASHER/DRYER
MECH RM/LUNDY RM - LIGHTING	15 31	32 15 DEDICATED RECEPTACLE - HW-1
MECH RM/LUNDY RM - RECEPTACLES	15 33	34 15 DEDICATED RECEPTACLE - HW-2
	15 35	36 15 DEDICATED RECEPTACLE - HW-2
DIRECT CONNECTION - P-1	15 37	38 20 MAKE UP AIR UNIT - MAU-1
CORRIDOR RECEPTACLE	15 39	40 15 FIRE ALARM CONTROL PANEL
CORRIDOR LIGHTING/EMERGENCY LIGHTING	15 41	42 30 HEAT TRACE

DISTRIBUTION PANEL LAYOUTS



PANEL	LOCATION	MOUNTING
B	CORRIDOR (TYPICAL PANEL)	FLUSH
MANU.	SQUARE D	MODEL QO
VOLT.	120/208	AMP. 100 PH. 1 WIRE 3 MAIN BREAKER N/A
LIGHTS/RECEPTACLES	15 1	2 15
WASHROOM BASEBOARD HEATER	15 3	4 15
PTAC HEATER	15 7	8 15
LIGHTS/RECEPTACLES	15 11	12 15
WASHROOM BASEBOARD HEATER	15 13	14 15
PTAC HEATER	15 17	18 15
LIGHTS/RECEPTACLES	15 21	22 15
WASHROOM BASEBOARD HEATER	15 23	24 2P
PTAC HEATER	15 27	28 2P
CORRIDOR RECEPTACLE	15 31	32 15 SPARE
CORRIDOR LIGHTING/EMERGENCY LIGHTING	15 35	36 15 SPARE
	15 37	38 15 SPARE
	15 39	40 15 SPARE

TYPICAL MOUNTING HEIGHTS



APEGGA PERMIT
No. P03581
August 30, 2010

NOTES

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CLIENT

NORTHERN
TRAILER

PROJECT

SURMONT II
PROJECT
FORT McMURRAY, AB

DRAWING

CRAFT DORM
SCHEDULE
& DETAILS

DRAWN BY: TSSN	PROF REVIEW: SRJL
TECH REVIEW: MAM	FINAL REVIEW: SRJL
DATE:	MAY 2010

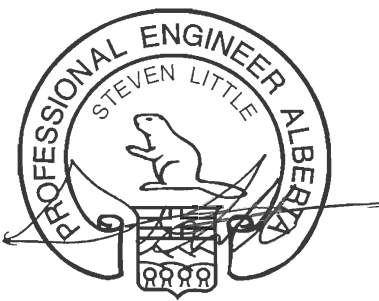
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S.P.A. PROJECT NO.: 10-034

DRAWING FILE NO.: E10-034 CRAFT DORM.DWG

DRAWING NUMBER	REVISION
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CLIENT

NORTHERN TRAILER

PROJECT

SURMONT II

PROJECT

FORT McMURRAY, AB

DRAWING

CRAFT DORM

FIRE ALARM SYSTEM

SINGLE LINE DIAGRAM

DRAWN BY:	TSSN	PROF REVIEW:	SRJL
TECH REVIEW:	MAM	FINAL REVIEW:	SRJL

DATE: MAY 2010

CONSULTANT FILE NO.: -

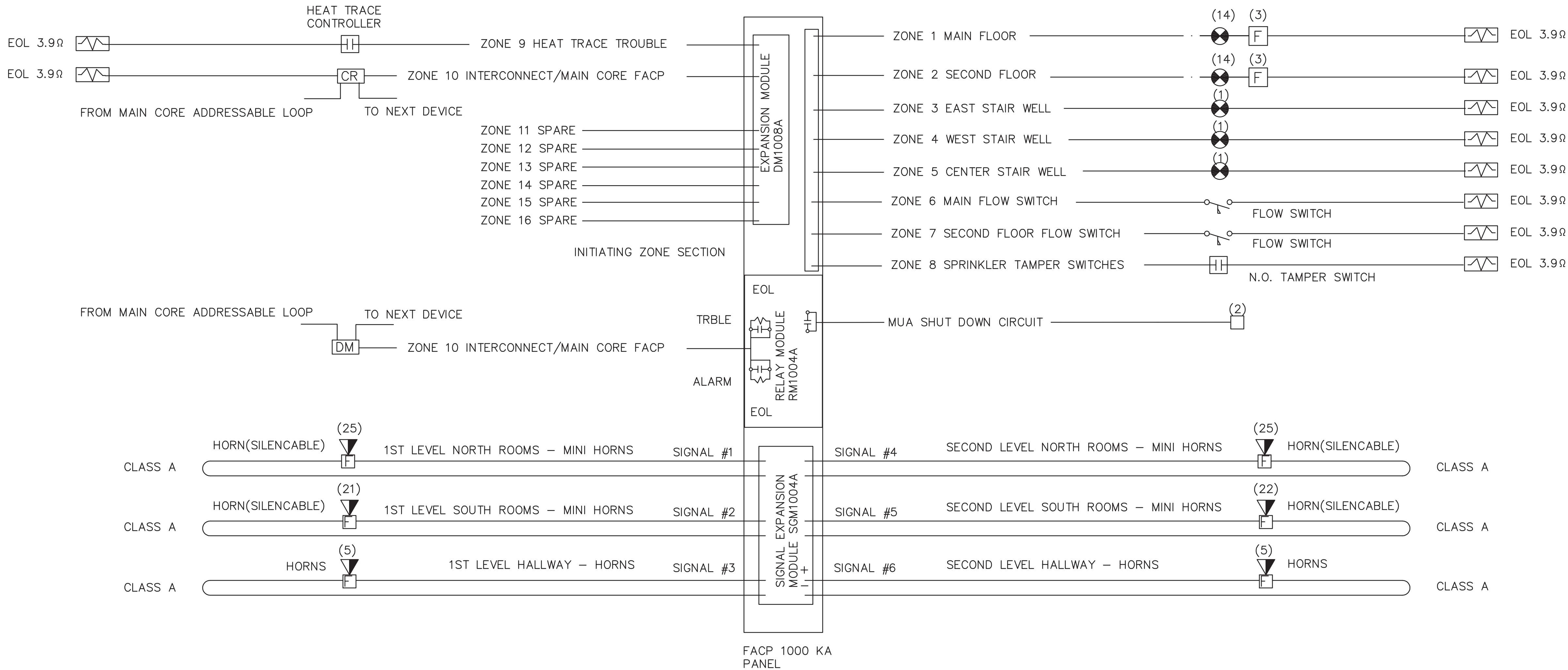
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FIRE ALARM SINGLE LINE DIAGRAM



FIRE ALARM

MIRCOM FA 1008KA
DETECTION EXPANSION MODULE DM-1008A
RELAY EXPANSION MODULE RM-1008A
SIGNAL EXPANSION SGM 1004A

MINI HORN (SILENCE ABLE) MH25 WH
HORN FH 240 R
PULL STATION MS400U
END OF LINE RESISTOR 3.9K

FIRE ALARM LEGEND

- MINI HORN c/w RESET MIR COM MH25 WH
- HORN MIR COM FH 240 R
- CONTROL RELAY MIRCOM MIX M500RA
- MONITORING MODULE MIR COM MIX 500DMA - DM
- MAKE UP AIR UNIT SHUT DOWN CIRCUIT SHUT DOWN RELAY OMRON MK2P 1CSA24VDC
- TAMPER SWITCH
- FLOW SWITCH
- SMOKE DETECTOR
- PULL STATION

FIRE ALARM ZONES

ZONE 1 MAIN FLOOR
ZONE 2 SECOND FLOOR
ZONE 3 EAST STAIR WELL
ZONE 4 WEST STAIR WELL
ZONE 5 CENTER STAIR WELL
ZONE 6 MAIN FLOW SWITCH
ZONE 7 SECOND FLOOR FLOW SWITCH
ZONE 8 SPRINKLER TAMPER SWITCHES
ZONE 9 HEAT TRACE TROUBLE
ZONE 10 INTERCONNECT/MAIN CORE FACP

SIGNAL CIRCUIT

SIG #1 FIRST LEVEL NORTH ROOM MINI HORNS
SIG #2 FIRST LEVEL SOUTH ROOM MINI HORNS
SIG #3 FIRST LEVEL HALL WAY HORN
SIG #4 SECOND LEVEL NORTH ROOM MINI HORNS
SIG #5 SECOND LEVEL SOUTH ROOM MINI HORNS
SIG #6 SECOND LEVEL HALL WAY HORN