

# MOBILE HOME CONSTRUCTION

## CARROT RIVER, SASK ISSUED FOR CONSTRUCTION

### CONSULTANT LIST

#### ARCHITECTURAL

REPUBLIC ARCHITECTURE INC.

374 DONALD STREET, FIRST FLOOR,  
WINNIPEG, MANITOBA,  
R3B 2J2

T 204 989 0102  
F 204 989 0094

#### STRUCTURAL

CROSIER KILGOUR & PARTNERS LTD.  
CONSULTING STRUCTURAL ENGINEERS

300-275 CARLTON STREET,  
WINNIPEG, MANITOBA,  
R3C 5R6

T 204 943 7501  
F 204 943 7507

#### MECHANICAL

SMS ENGINEERING LTD.

770 BRADFORD STREET,  
WINNIPEG, MANITOBA,  
R3H 0N3

T 204 775 0291  
F 204 772 2153

#### ELECTRICAL

SMS ENGINEERING LTD.

770 BRADFORD STREET,  
WINNIPEG, MANITOBA,  
R3H 0N3

T 204 775 0291  
F 204 772 2153

### DRAWING LIST

#### ARCHITECTURAL

- A0 - COVER SHEET, DRAWING LIST, CONSULTANT LIST,  
SYMBOLS & ABBREVIATIONS  
A000 - SITE PLAN - 4th STREET  
A010 - SITE PLAN - 3rd STREET  
A100 - MAIN FLOOR PLAN, WALL TYPES & NOTES  
A200 - REFLECTED CEILING PLAN & NOTES  
A300 - ELEVATION & BUILDING SECTIONS  
A400 - INTERIOR ELEVATIONS  
A500 - WALL SECTIONS & DETAILS  
A510 - WOOD DECK PLAN & ELEVATION  
A520 - WOOD DECK SECTION, ELEVATION & DETAILS  
A600 - DOOR SCHEDULE, WINDOWS SCHEDULE & MILLWORK

#### STRUCTURAL

- S100 - MAIN FLOOR/ FOUNDATION FRAMING PLAN  
S200 - ROOF FRAMING PLAN  
S300 - SECTIONS  
S400 - GENERAL NOTES











#### MECHANICAL

- M000 - DRAWING LIST AND SYMBOL LEGEND  
M100 - MAIN FLOOR PLAN - PLUMBING  
M200 - MAIN FLOOR PLAN - HVAC  
M300 - MECHANICAL / ELECTRICAL ROOM  
- PLUMBING & HVAC  
M400 - MECHANICAL SPECIFICATION  
M500 - MECHANICAL SPECIFICATION  
M600 - MECHANICAL DETAILS  
M700 - MECHANICAL DETAILS  
M800 - MECHANICAL DETAILS

#### ELECTRICAL

- E001 - DRAWING LIST AND SYMBOL LEGEND  
E100 - MAIN FLOOR PLAN - LIGHTING LUMINAIRE SCHEDULE  
E200 - MAIN FLOOR PLAN - POWER AND SYSTEMS AND  
EAST ELEVATION TRANSITION DETAIL  
E300 - ELECTRICAL SCHEDULES AND GROUNDING DETAIL  
E400 - ELECTRICAL SPECIFICATION  
E401 - ELECTRICAL SPECIFICATION

### SYMBOLS

-  NORTH ARROW  
 BUILDING SECTION  
 WALL SECTION  
 ELEVATION  
 PLAN DETAIL  
 CEILING HEIGHT,  
ABOVE FINISHED FLOOR  
 DOOR NUMBER  
 WALL TYPE  
 FLOOR FINISH TYPE  
 KEY NOTE

### ABBREVIATIONS

- |         |   |                          |         |   |                                  |         |   |                                       |
|---------|---|--------------------------|---------|---|----------------------------------|---------|---|---------------------------------------|
| A.F.F.  | - | ABOVE FINISHED FLOOR     | HC      | - | HOLLOWCORE                       | SIM     | - | SIMILAR                               |
| AR. GWB | - | ABUSE RESISTANT GWB      | HD      | - | HIGH DENSITY                     | SPEC.   | - | SPECIFICATION                         |
| ACT.    | - | ACOUSTIC CEILING TILE    | HP      | - | HIGH POINT                       | S.C.    | - | SOLID CORE                            |
| ALUM.   | - | ALUMINUM                 | HORIZ.  | - | HORIZONTAL                       | STD.    | - | STAINED                               |
| ANOD.   | - | ANODIZED                 | H.S.S.  | - | HOLLOW STEEL SECTION             | SS.     | - | STAINLESS STEEL                       |
| ARCH.   | - | ARCHITECTURAL            |         |   |                                  | STL.    | - | STEEL                                 |
|         |   |                          | INT.    | - | INTERIOR                         | STRUCT. | - | STRUCTURAL                            |
| B.B.    | - | BASE BUILDING            | I.F.    | - | INSIDE FACE                      | T.O.    | - | TOP OF                                |
| BATT.   | - | BATT INSULATION          | INSUL.  | - | INSULATION                       | T&G     | - | TONGUE AND GROOVE                     |
| BF      | - | BARRIER FREE             |         |   |                                  | T.I.    | - | TENANT IMPROVEMENT                    |
| BM.     | - | BEAM                     | LAM.    | - | LAMINATED                        | TYP.    | - | TYPICAL                               |
| BLDG.   | - | BUILDING                 | LAV.    | - | LAVATORY                         |         |   |                                       |
|         |   |                          | LTTP.   | - | LONG TERM THERMAL<br>PERFORMANCE | US.     | - | UNDERSIDE                             |
| CPT.    | - | CARPET                   |         |   |                                  | U.L.C.  | - | UNDERWRITER<br>LABORATORIES OF CANADA |
| CLG.    | - | CEILING                  | MAX.    | - | MAXIMUM                          |         |   |                                       |
| CL.     | - | CENTRE LINE              | MECH    | - | MECHANICAL                       | VB.     | - | VAPOUR BARRIER                        |
| COL.    | - | COLUMN                   | MTL     | - | METAL                            | VEN.    | - | VENEER                                |
| C/W     | - | COMPLETE WITH            | MISC.   | - | MISCELLANEOUS                    | VERT.   | - | VERTICAL                              |
| CONC.   | - | CONCRETE                 | MIN.    | - | MINIMUM                          | V.C.T.  | - | VINYL COMPOSITE TILE                  |
| CMU     | - | CONCRETE MASONRY<br>UNIT | MUA     | - | MAKE PAIR UNIT                   |         |   |                                       |
| CONT.   | - | CONTINUOUS               | NAT.    | - | NATURAL                          |         |   |                                       |
| CG.     | - | CORNER GUARD             | N.I.C.  | - | NOT IN CONTRACT                  | W.B.    | - | WEATHER BARRIER                       |
| CORR.   | - | CORRIDOR                 | N.T.S.  | - | NOT TO SCALE                     | W.P.    | - | WATERPROOF                            |
|         |   |                          | NO.     | - | NUMBER                           | WD.     | - | WOOD                                  |
|         |   |                          | -       |   |                                  |         |   |                                       |
| DEMO    | - | DEMOLITION               | O.C.    | - | OFF CENTRE                       |         |   |                                       |
| DP      | - | DEEP                     | OPG.    | - | OPENING                          |         |   |                                       |
| DIM.    | - | DIMENSION                | O.TOO.  | - | OUT TO OUT                       |         |   |                                       |
| DIA.    | - | DIAMETER                 | O.F.    | - | OUTSIDE FACE                     |         |   |                                       |
| DN.     | - | DOWN                     |         |   |                                  |         |   |                                       |
| DWG.    | - | DRAWING                  | PTD.    | - | PAINTED                          |         |   |                                       |
|         |   |                          | PR.     | - | PAIR                             |         |   |                                       |
| EA.     | - | EACH                     | PL.     | - | PLATE                            |         |   |                                       |
| EL.     | - | ELEVATION                | PIAM    | - | PLASTIC LAMINATE                 |         |   |                                       |
| ELEC.   | - | ELECTRICAL               | PTN.    | - | PARTITION                        |         |   |                                       |
| EQ.     | - | DQUAL                    | PREFIN. | - | PREFINISHED                      |         |   |                                       |
| EXIST.  | - | EXISTING                 | PLWD.   | - | PLYWOOD                          |         |   |                                       |
| EXT.    | - | EXTERIOR                 | POLU.   | - | POLYETHYLENE                     |         |   |                                       |
|         |   |                          | PS.     | - | PRESSED STEEL                    |         |   |                                       |
| FO.     | - | FACE OF                  | Q.T.    | - | QUARRY TILE                      |         |   |                                       |
| FIN.    | - | FINISH                   |         |   |                                  |         |   |                                       |
| FR.     | - | FIRE RATED               | R.W.L.  | - | RAINWATER LEADER                 |         |   |                                       |
| FR.R.   | - | FIRE RESISTANCE RATING   | RCV     | - | RECEIVE                          |         |   |                                       |
| FL.     | - | FLOOR                    | REINF.  | - | REINFORCED                       |         |   |                                       |
| FD.     | - | FLOOR DRAIN              | REQ.    | - | REQUIRED                         |         |   |                                       |
| FE.     | - | FIRE EXTINGUISHER        | REV.    | - | REVISED                          |         |   |                                       |
| FS.     | - | FULL SIZE                | RM.     | - | ROOM                             |         |   |                                       |
|         |   |                          | R.D.    | - | ROOF DRAIN                       |         |   |                                       |
| GA.     | - | GAUGE                    | R.Q.    | - | ROUGH OPENING                    |         |   |                                       |
| GL.     | - | GLASS                    | RCP     | - | REFLECTED CEILING PLAN           |         |   |                                       |
| GR.     | - | GRADE                    |         |   |                                  |         |   |                                       |
| GWB.    | - | GYPSUM WALL BOARD        |         |   |                                  |         |   |                                       |

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2	99% SUBMISSION FOR REVIEW	14.12.1
1	33% SUBMISSION FOR REVIEW	14.10.31
0		
Revision	Description	Date

Project title

**347-3RD STREET WEST  
CARROT RIVER SK**

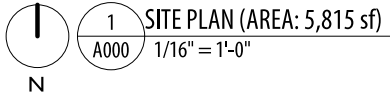
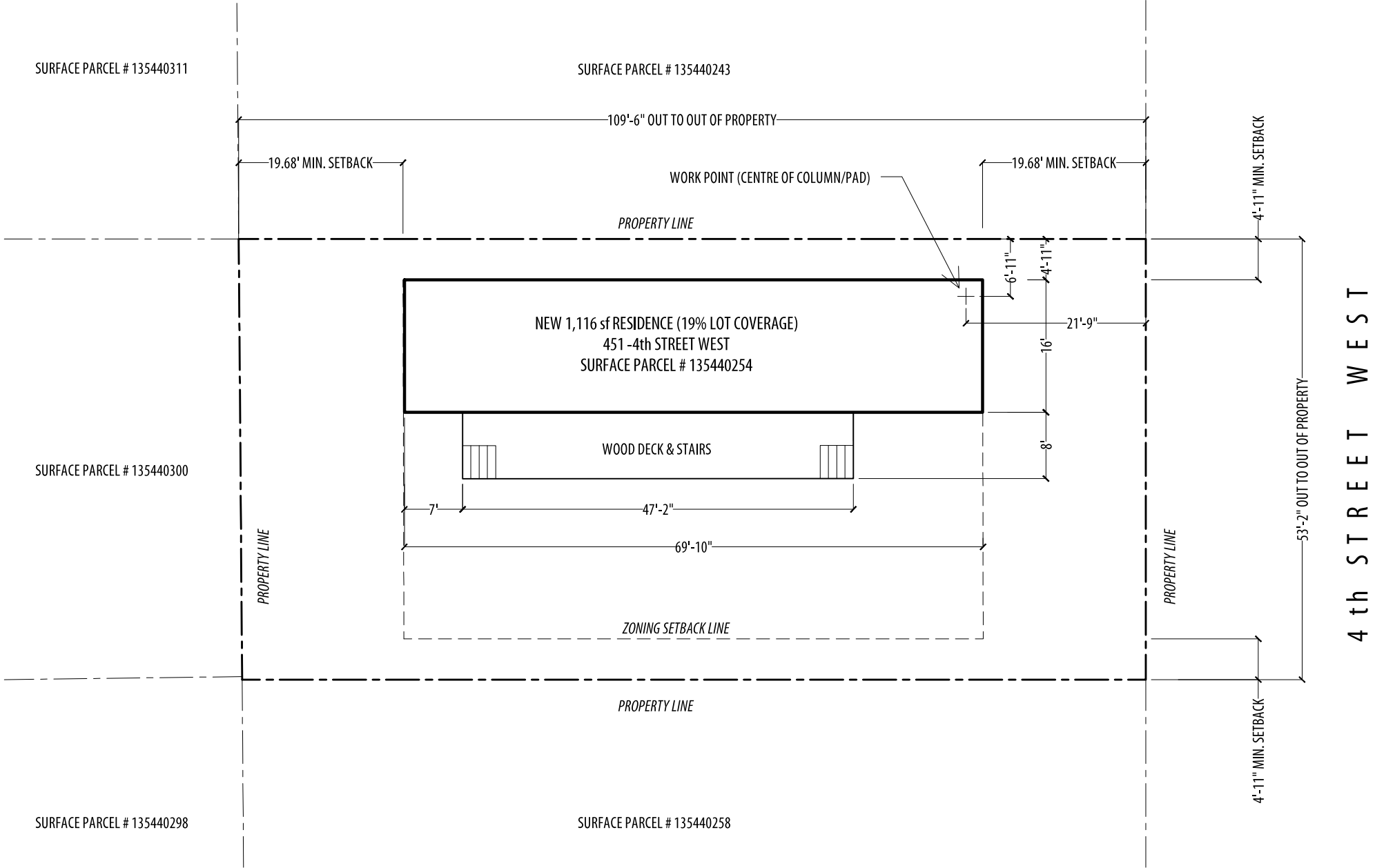
**MOBILE HOME  
DESIGN 'A'**

Approved by
Designed by <b>REPUBLIC ARCHITECTURE INC</b>
Drawn by <b>BP</b>
Project Manager <b>RD</b>
Client

Drawing title

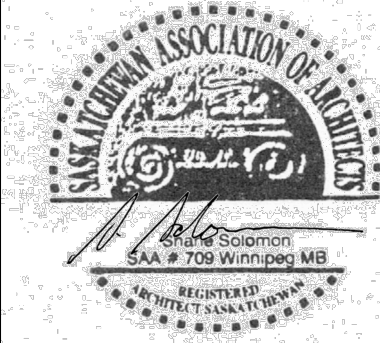
**COVER SHEET, DRAWING LIST,  
CONSULTANT LIST, SYMBOLS  
ABBREVIATIONS**

Project No.	Sheet	Revision no./
<b>092</b>	<b>A0</b>	<b>3</b>



ZONING REQUIREMENTS	
SITE AREA MINIMUM -	1,181 sf WITH LANE 1,476 sf WITHOUT LANE
LOT FRONTAGE -	39.37' WITH LANE 49.21' WITHOUT LANE
FRONT YARD MINIMUM -	19.68'
REAR YARD MINIMUM -	19.68'
SIDE YARD MINIMUM -	4.92'
FLOOR AREA -	699.65 sf

4th STREET WEST



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Project title

**451-4TH STREET WEST  
CARROT RIVER SK**

**MOBILE HOME  
DESIGN 'A'**

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**BP**

Project Manager  
**RD**

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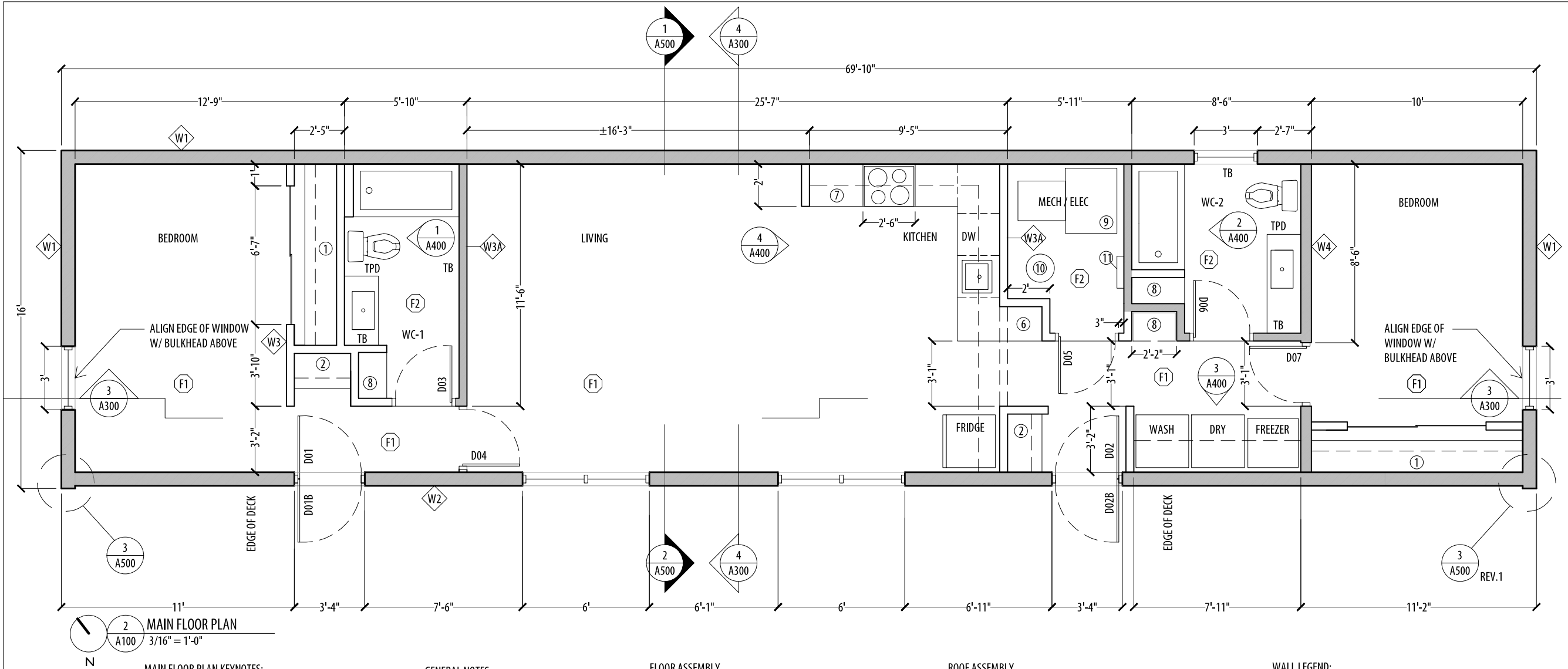
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**SITE PLAN - 4TH STREET**

**SCALE AS NOTED**

Project No.	Sheet	Revision no./
<b>092</b>	<b>A000</b>	<b>3</b>





MAIN FLOOR PLAN KEYNOTES:

- 1 CLOSET ROD & SHELF C/W SLIDING MIRRORED DOORS
- 2 INDIVIDUAL COAT CLOSET C/W ROD & SHELF
- 3 MEDIA WALL (NOT USED)
- 4 LOWER CABINETS
- 5 CHARGING STATION / COMPUTER STATION / DESK
- 6 LOWER / UPPER CABINETS
- 7 SHELVE
- 8 FURNACE
- 9 WATER HEATER
- 10 ELECTRICAL PANEL
- 11 MOP / BROOM HOLDER
- 12

GENERAL NOTES:

- 1. DIMENSIONS TO FACE OF FINISH UNLESS OTHERWISE NOTED.
- 2. PROVIDE ADDITIONAL 10% MATERIAL FOR TAPING, CORNER AND GWB RELATED SITE FINISH WORK.

GENERAL ASSUMPTIONS: (CONTRACTOR TO CONFIRM PRIOR TO CONSTRUCTION)  
MAX. HEIGHT ON CARRIERS - 17'-0"  
MAX. WIDTH - UNKNOWN  
MAX. TRANSPORT LENGTH - 72'-0"

FLOOR ASSEMBLY

- FLOOR FINISH (REFER TO FLOOR FINISH SCHEDULE)
- 3/4" D.FIR T & G PLYWOOD FLOOR SHEATHING
- 14" TGI JOISTS @ 16"O.C. C/W 3 PLY 1 3/4 " X 16" 1.9e LVL RIM JOISTS
- CLOSED CELL POLYURETHANE SPRAY FOAM INSULATION (MIN. R30)
- 1/2" D.FIR EXT. GRADE PLYWOOD

WALL TYPE SCHEDULE:

- W1 TYPICAL EXTERIOR WALL ASSEMBLY  
5/16" CEMENT BOARD SIDING (SEE ELEVATIONS)  
AIR BARRIER  
1/2" PLYWOOD SHEATHING  
5 1/2" CLOSED CELL POLYURETHANE FOAM  
2X6 WOOD STUDS @ 16" O.C.  
1/2" PLYWOOD SHEATHING  
1/2" GYPSUM WALL BOARD (GWB)
- W2 SOUTH FACADE EXTERIOR WALL ASSEMBLY  
1 X 8 BEVELED CEDAR SIDING (NO.1 or NO.2)  
1x4" P.T. VERT. WOOD STRAPPING  
AIR BARRIER  
1/2" PLYWOOD SHEATHING  
5 1/2" CLOSED CELL POLYURETHANE FOAM  
2X6 WOOD STUDS @ 16" O.C.  
1/2" PLYWOOD SHEATHING  
1/2" GWB

ROOF ASSEMBLY

- VICWEST CL938 7/8" CORRUGATED (WHITE WHITE 16076) METAL ROOF
- ROOFING FELT
- 3/4" ROOF SHEATHING
- 14" 560 TJI JOISTS @ 16" O.C.
- CLOSED CELL POLYURETHANE SPRAY FOAM INSULATION (MIN. R30)
- 1/2" PLYWOOD SHEATHING
- 1/2" GWB

- W3 TYPICAL INTERIOR PARTITION (UNLESS OTHERWISE NOTED)  
1/2" GWB BOTH SIDES  
(INSULATION IF SHOWN IN DRAWING)  
2X4 WOOD STUDS @ 16" O.C.
- W3A INTERIOR PARTITION (SHEAR WALL)  
1/2" GWB BOTH SIDES  
1/2" PLYWOOD SHEATHING  
(INSULATION IF SHOWN IN DRAWING)  
2X4 WOOD STUDS @ 16" O.C.
- W4 INTERIOR PARTITION (PLUMBING/SHEAR WALL)  
1/2" GWB BOTH SIDES  
1/2" PLYWOOD SHEATHING  
(INSULATION IF SHOWN IN DRAWING)  
2X6 WOOD STUDS @ 16" O.C.

WALL LEGEND:

- UN-INSULATED WALL
- INSULATED WALL

FLOOR FINISH SCHEDULE:

- F1 TYPICAL FLOOR FINISH  
RESILIENT PLANK  
(PATCRAFT- HIGHLAND FOREST-NATURAL MAPLE 20200)
- F2 WC / MECH. & ELEC. FLOOR FINISH  
SHEET VINYL - C/W TRANSITION AT DOORS  
(GERFLOR-MIPOLAM SYMBIOZ-6001 COTTON)

NOTE\*: TRANSITIONS -SCHLUTER, RENO-U-AE,PROFILE HEIGHT TO BE CONFIRMED BY CONTRACTOR ON-SITE.



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CARROT RIVER SK  
MOBILE HOME  
DESIGN 'A'

Approved by

Designed by  
REPUBLIC ARCHITECTURE INC

Drawn by  
BP

Project Manager  
RD

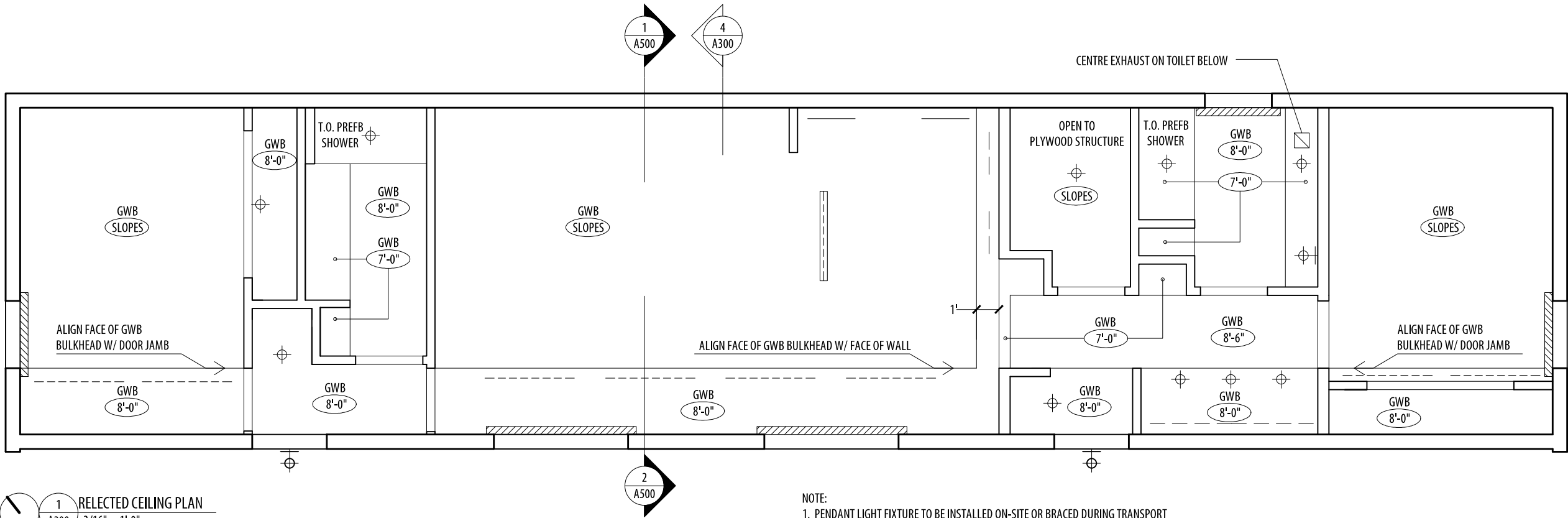
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MAIN FLOOR PLAN,  
WALL TYPES & NOTES  
SCALE AS NOTED

Project No.	Sheet	Revision no./
092	A100	3





REFLECTED CEILING PLAN  
3/16" = 1'-0"

NOTE:  
1. PENDANT LIGHT FIXTURE TO BE INSTALLED ON-SITE OR BRACED DURING TRANSPORT  
2. ALIGN PENDANT W/ CENTRE OF KITCHEN ISLAND  
3. REFER TO 4/A300 FOR BULKHEAD DIMENSIONS

RCP LEGEND:

- BLACK-OUT ROLLER BLIND
- 4'-0" SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL
- 4'-0" FLOURESCENT LIGHT FIXTURE (@ LIGHT SHELF) - SEE ELECTRICAL
- UNDER CABINET LIGHT FIXTURE - SEE ELECTRICAL
- WALL MOUNTED LIGHT FIXTURE - SEE ELECTRICAL
- RECESSED POT LIGHT - SEE ELECTRICAL



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MOBILE HOME  
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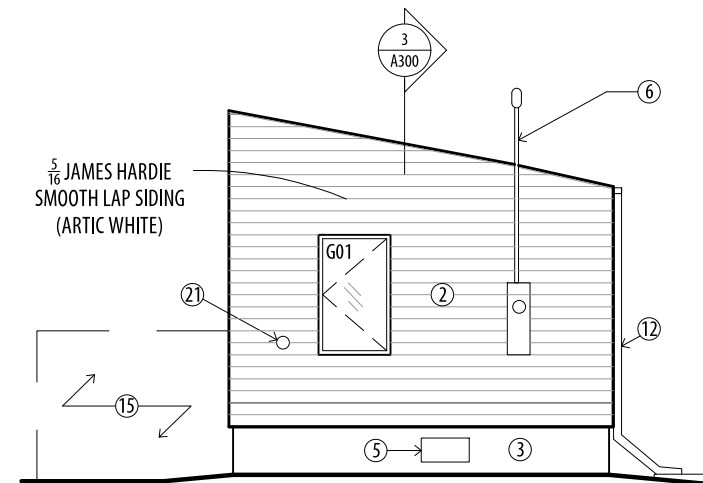
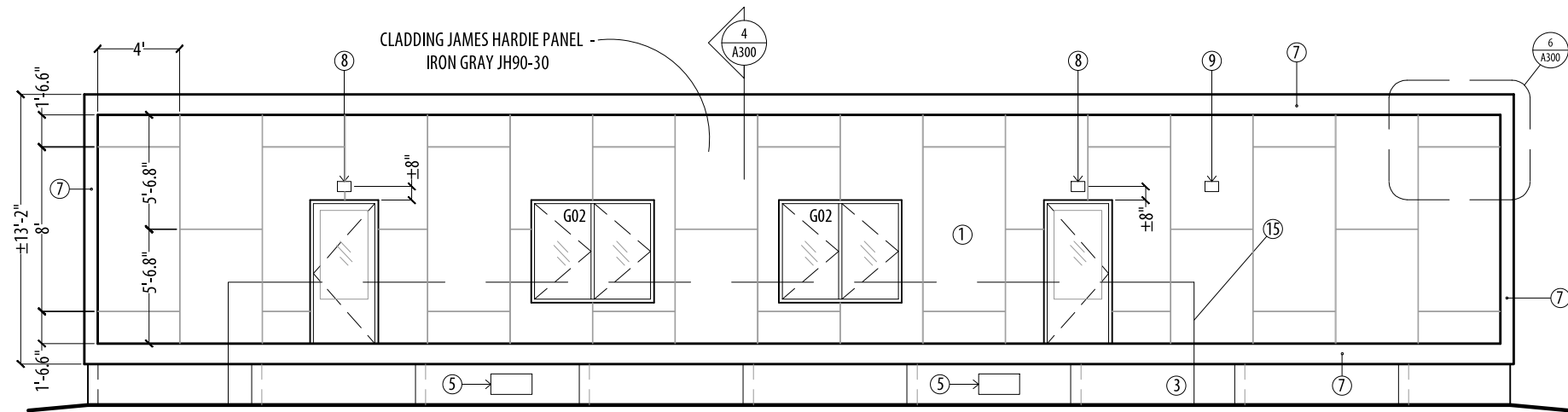
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**RD**

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Drawing title  
**REFLECTED CEILING PLAN  
& NOTES  
SCALE AS NOTED**

Project No. <b>092</b>	Sheet <b>A200</b>	Revision no./ <b>3</b>
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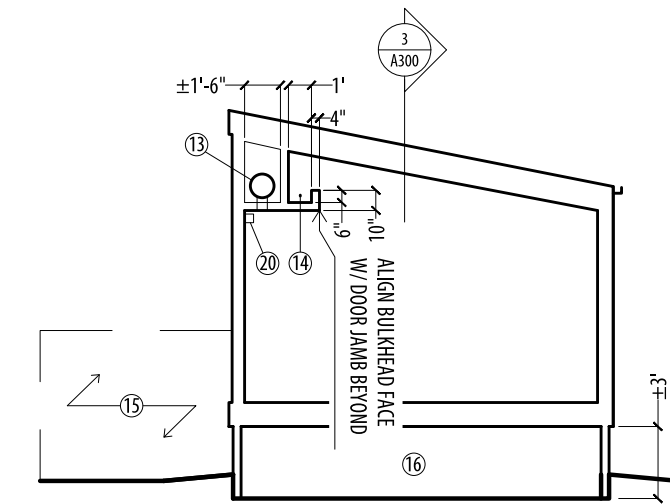
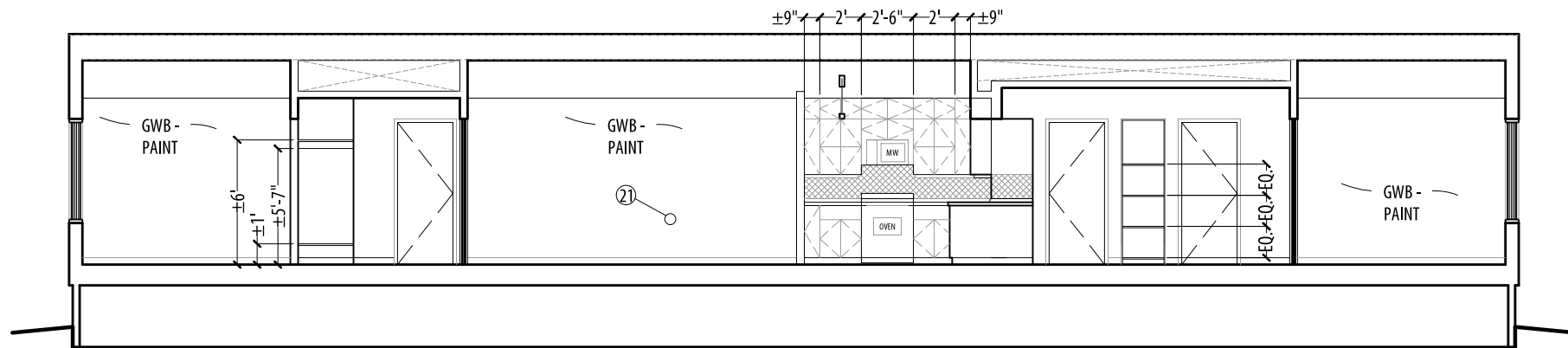


1 SOUTH ELEVATION  
A300 1/8" = 1'-0"

2 EAST ELEVATION (WEST SIM.)  
A300 1/8" = 1'-0"

KEYNOTES:

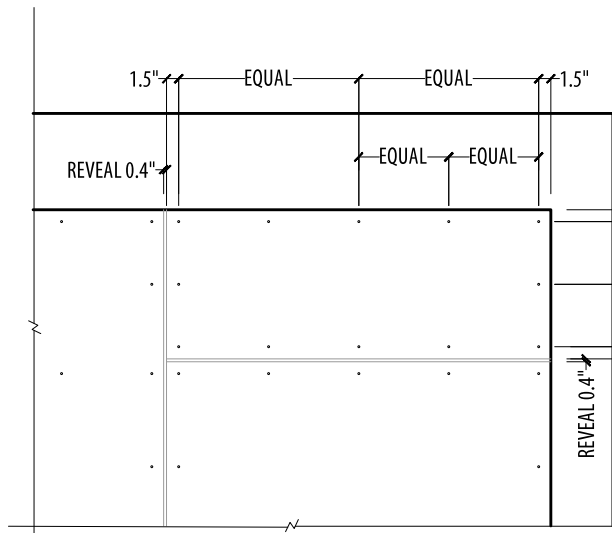
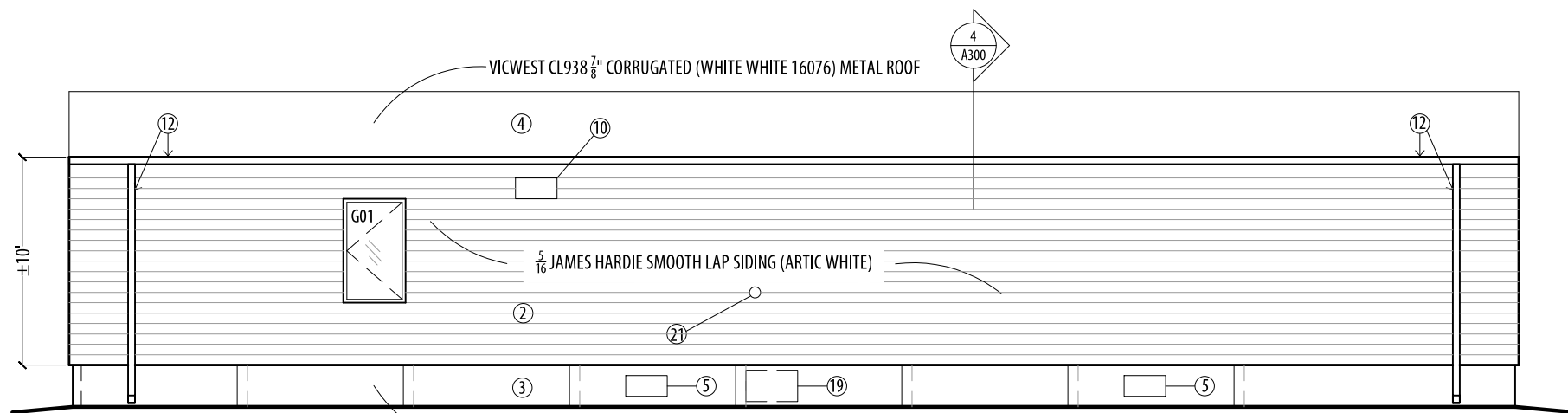
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|---|----------------------------------|------------------------------------|---------------------------------------|
| 1 CEMENT BOARD PANELS                   | 7 WHITE METAL FLASHING           | 13 SUPPLY PLENUM                   | 19 CRAWLSPACE ACCESS DOOR             |
| 2 CEMENT BOARD SIDING                   | 8 EXTERIOR LIGHT                 | 14 LIGHT FIXTURE                   | C/W HEAVY DUTY HINGES, HASP + PADLOCK |
| 3 CEMENT BOARD PANELS                   | 9 DRYER EXHAUST                  | 15 WOOD DECK, RAIL, GUARD & STAIRS | CONSTRUCT TO MATCH ADJACENT PANELS    |
| 4 GALV. METAL ROOFING                   | 10 FRESH AIR INTAKE              | 16 UNCONDITIONED SPACE             | 20 BLACK OUT ROLLER BLIND             |
| 5 PT. GREY CRAWLSPACE VENT              | 11 SUNSHADE                      | 17 PLENUM ROUTING                  | 21 PT. WHITE A/C VENT                 |
| 6 ELECTRICAL SERVICE MAST (IF REQUIRED) | 12 GUTTER, DOWNSPOUT & SPLASHPAD | 18 WASH / DRY APPLIANCES           |                                       |



3 LONGITUDINAL SECTION  
A300 1/8" = 1'-0"

4 CROSS SECTION  
A300 1/8" = 1'-0"

NOTE\*: PAINT ALL GWB (WALLS & CEILINGS - FINISH COLOUR GENERAL PAINT 001 WHITE LRV 93 (OR BENJAMIN MOORE EQUIVALENT)



5 NORTH ELEVATION  
A300 1/8" = 1'-0"

6 TYPICAL FASTENER PATTERN  
A300 1/2" = 1'-0"

SKIRT CLADDING JAMES HARDIE PANEL - IRON GRAY JH90-30  
REFER TO 2/A500 FOR DETAILS

NOTE: GUTTERS, DOWNSPOUTS & SPASHPAD TO BE INSTALLED ON SITE

NOTE: FASTENER COLOUR TO MATCH CLADDING COLOUR



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MOBILE HOME  
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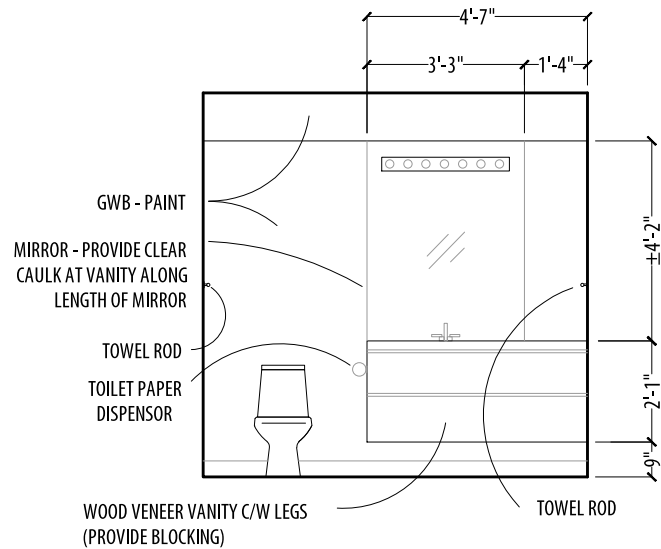
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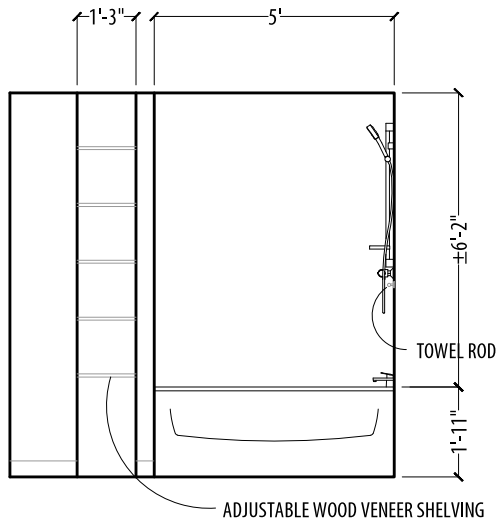
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Drawing title  
ELEVATIONS &  
BUILDING SECTIONS  
SCALE AS NOTED

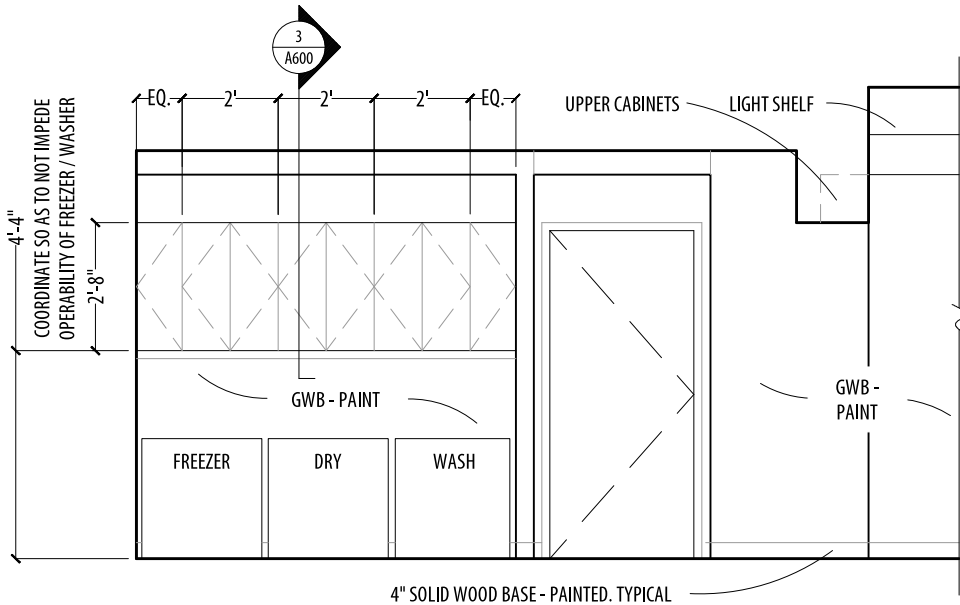
Project No.	Sheet	Revision no./
092	A300	3



1 WC INTERIOR ELEVATION  
A400 1/4" = 1'-0"

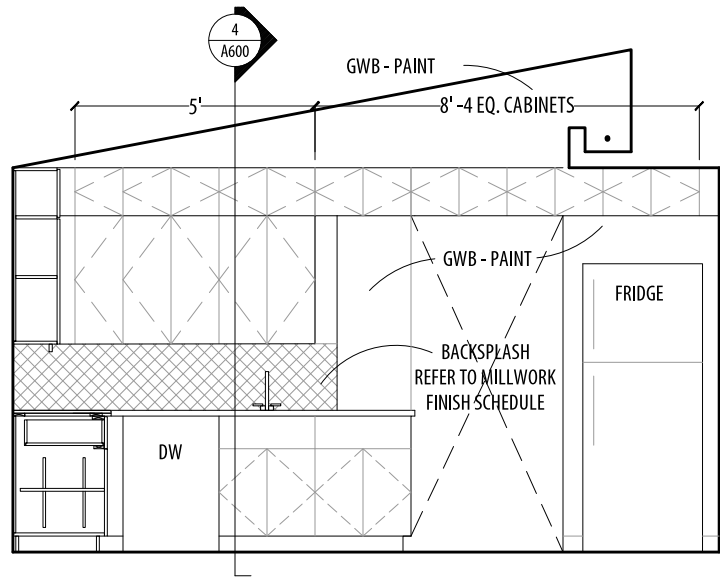


2 WC INTERIOR ELEVATION  
A400 1/4" = 1'-0"

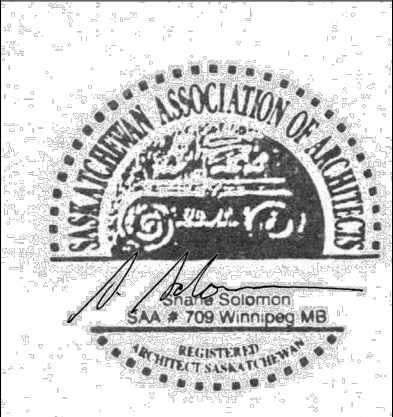


3 CORRIDOR INTERIOR ELEVATION  
A400 1/4" = 1'-0"

NOTE: MATCH ALL WOOD VENNER IN SPECIES AND COLOUR TO WOOD REPRESENTATION IN PLANK VINYL FLOOR FINISH



4 KITCHEN INTERIOR ELEVATION  
A400 1/4" = 1'-0"



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374 Donald Street, First Floor  
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T 204 989 0102  
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5		
4		
3	100% ISSUED FOR CONSTRUCTION	14.12.18
2	99% SUBMISSION FOR REVIEW	14.12.1
1	33% SUBMISSION FOR REVIEW	14.10.31
0		
Revision	Description	Date

Project title

CARROT RIVER SK  
MOBILE HOME  
DESIGN 'A'

Approved by

Designed by  
REPUBLIC ARCHITECTURE INC

Drawn by  
BP

Project Manager  
RD

Client

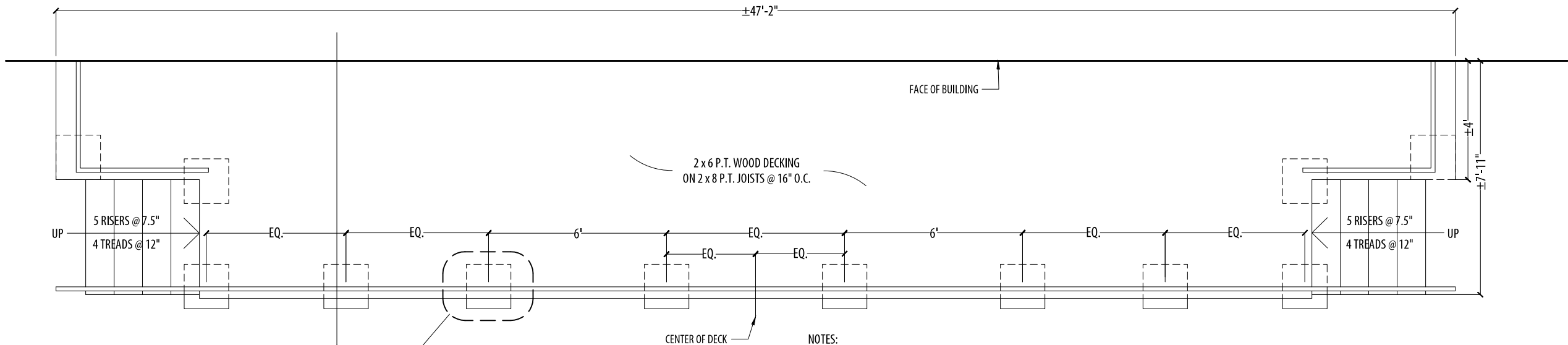
Drawing title

INTERIOR ELEVATIONS

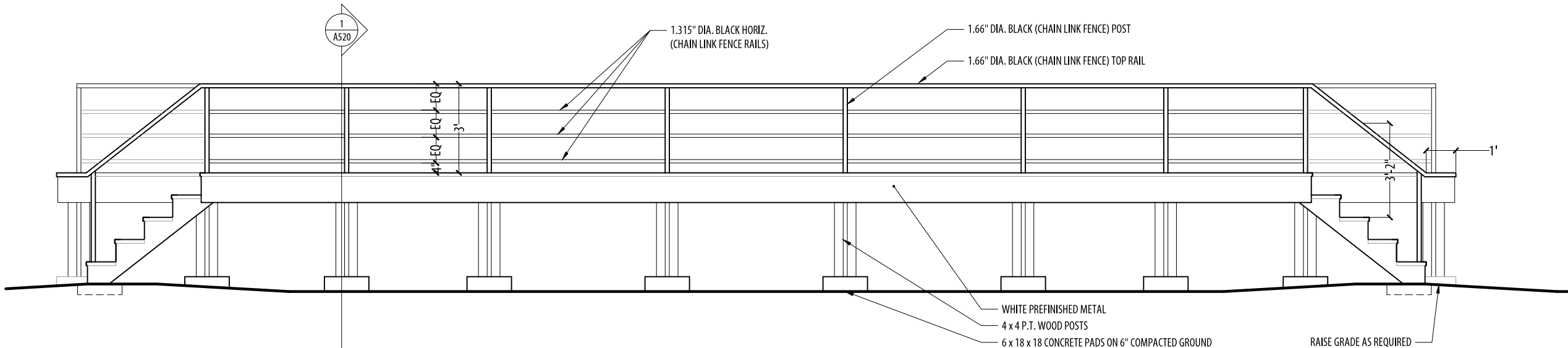
SCALE AS NOTED

Project No.	Sheet	Revision no./
092	A400	3





NOTES:  
1. ASSEMBLE STRUCTURE (ONLY) OF WOOD DECK AT MANUFACTURING PLANT. USE BOLTS AND SCREWS TO TEMPORARILY ASSEMBLE. MARK AND SKETCH ALL MEMBERS ON A KEY PLAN WITH CORRESPONDING DISTINCT MARKINGS ON ALL STRUCTURAL MEMBERS SO AS TO PROVIDE INSTRUCTIONS TO RE-ASSEMBLE AT SITE. CUT TO LENGTH DECKING TO BE INSTALLED ON SITE. PROVIDE 10% EXCESS DECKING FOR DELIVERY TO SITE.



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Revision	Description	Date

Project title

**CARROT RIVER SK  
MOBILE HOME  
DESIGN 'A'**

Approved by

Designed by  
**REPUBLIC ARCHITECTURE INC**

Drawn by  
**BP**

Project Manager  
**RD**

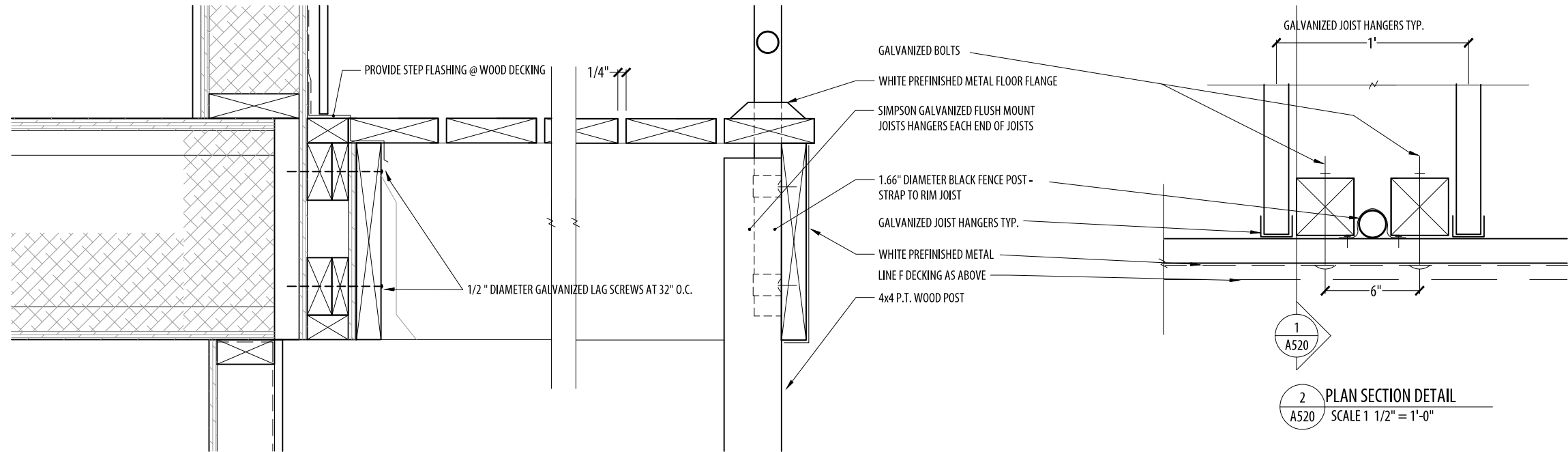
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Drawing title

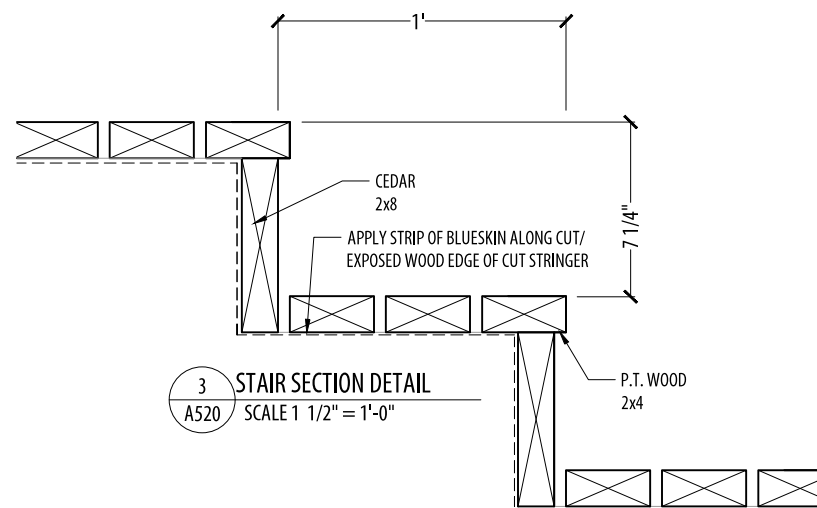
**WOOD DECK PLAN  
& ELEVATION  
SCALE AS NOTED**

Project No.	Sheet	Revision no./
<b>092</b>	<b>A510</b>	<b>3</b>

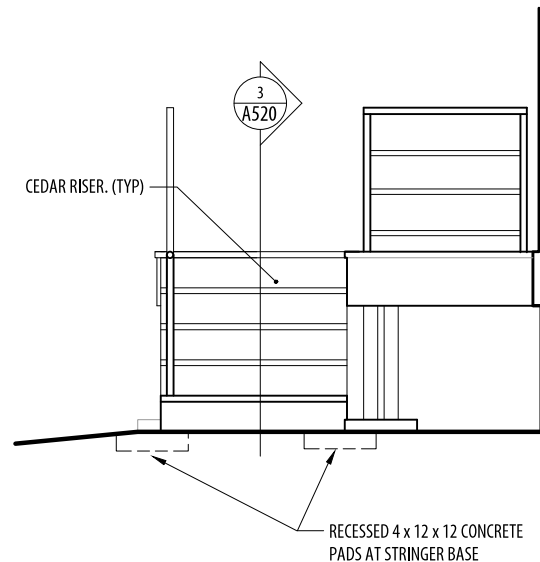




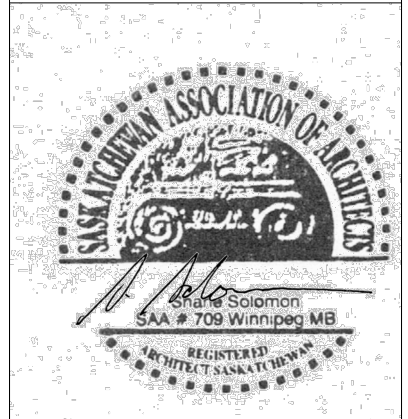
1  
A520  
WOOD DECK SECTION DETAIL  
SCALE 1 1/2" = 1'-0"



3  
A520  
STAIR SECTION DETAIL  
SCALE 1 1/2" = 1'-0"



4  
A520  
WOOD DECK EAST ELEVATION  
SCALE 1/4" = 1'-0"



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0		
Revision	Description	Date

Project title

**CARROT RIVER SK**  
**MOBILE HOME**  
**DESIGN 'A'**

Approved by

Designed by  
**REPUBLIC ARCHITECTURE INC**

Drawn by  
**BP**

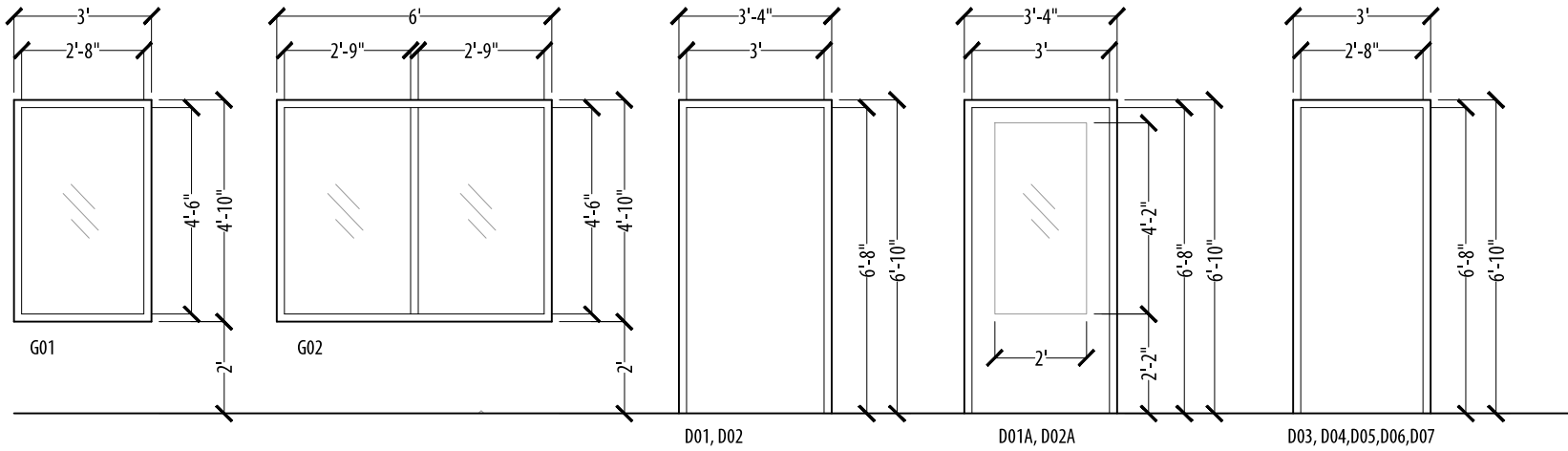
Project Manager  
**RD**

Client

Drawing title

**WOOD DECK SECTION,**  
**ELEVATION & DETAILS**  
**SCALE AS NOTED**

Project No.	Sheet	Revision no./
<b>092</b>	<b>A520</b>	<b>3</b>



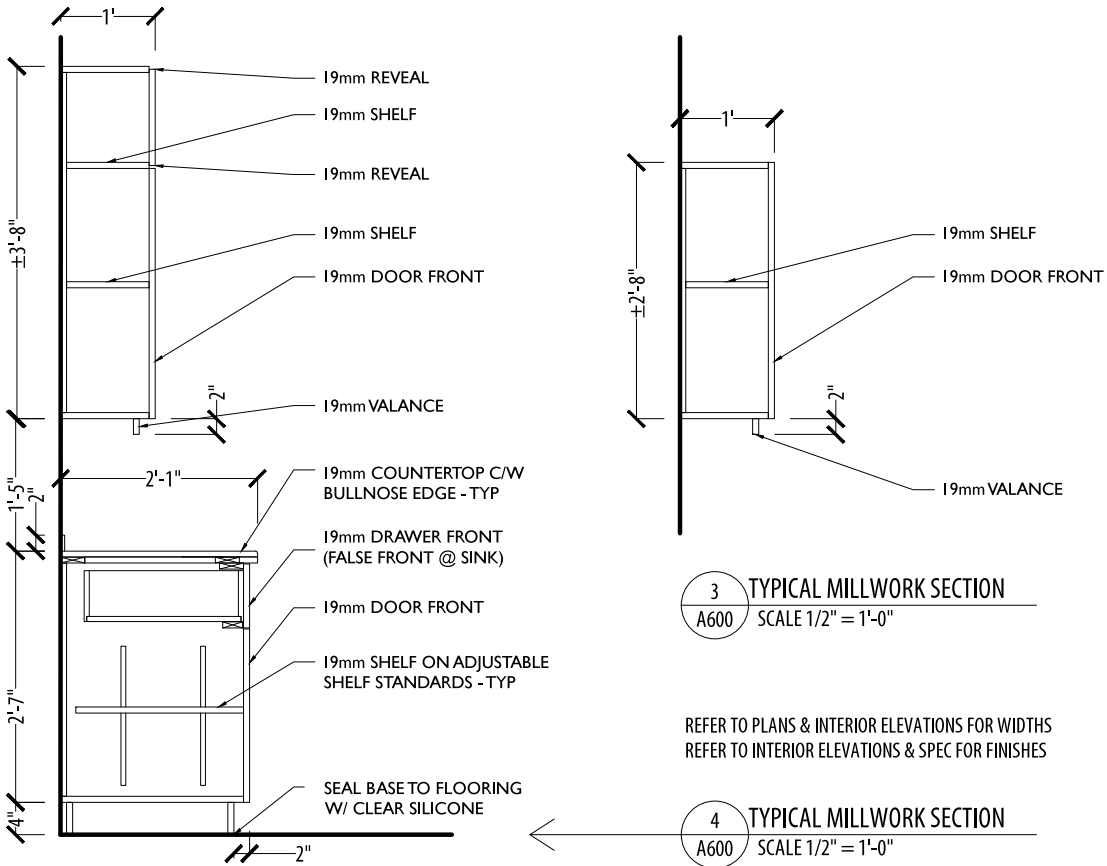
1 WINDOW & DOOR TYPES  
A600 1/4" = 1'-0"

- NOTES:
- WINDOWS TO BE DUAL GLAZED SEALED UNITS C/W ARGON GAS AND LOW E COATING. FRAME TO BE INSULATED FIBERGLASS, OPERABLE WINDOWS (WHERE SHOWN) TO BE CASEMENT STYLE C/W WEATHER STRIPPING AND INSECT SCREENS
  - ALL WINDOW & DOOR CASING TO BE 4" PAINT PRIMED WOOD MINIMAL PROFILE (CONFIRM PROFILE W/ CONSULTANT)

DOOR & DOOR FRAME SCHEDULE																

2 DOOR & DOOR FRAME SCHEDULE  
A600

- NOTES:
- ALL DOOR HANDLES TO BE LEVER C/W BRUSHED ALUM. FINISH
  - CONFIRM KEYING REQUIREMENTS WITH OWNER

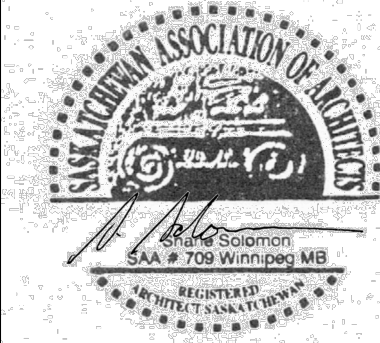


REFER TO PLANS & INTERIOR ELEVATIONS FOR WIDTHS  
REFER TO INTERIOR ELEVATIONS & SPEC FOR FINISHES

MILLWORK FINISH SCHEDULE:

- CABINETS**  
P.LAM - ARBORITE S-550 CA ELEGANT WHITE  
3MM PVC EDGEBANDING - COLOUR TO MATCH
- COUNTERTOP**  
P.LAM - ARBORITE P-325 MX BRUSHED PEWTER
- BACKSPLASH**  
P.LAM - ARBORITE P-331 CA CHARCOAL CHAMOIS

- GENERAL NOTES:
- PROVIDE SHOP DRAWINGS FOR CONSULTANT REVIEW PRIOR TO CONSTRUCTION.
  - ALL DRAWERS AND CABINETS TO BE PROVIDED W/ RICHELIEU CONT. ALUM. PULLS
  - ALL CABINET INTERIORS TO BE FACED W/ WHITE MELAMINE



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0		
Revision	Description	Date

Project title

CARROT RIVER SK  
MOBILE HOME  
DESIGN 'A'

Approved by

Designed by  
REPUBLIC ARCHITECTURE INC

Drawn by  
BP

Project Manager  
RD

Client

Drawing title















DOOR SCHEDULE, WINDOW  
SCHEDULE & MILLWORK  
SCALE AS NOTED

Project No.	Sheet	Revision no./
092	A600	3

DRAWING LIST

E001	DRAWING LIST AND SYMBOL LEGEND
E100	MAIN FLOOR PLAN - LIGHTING
E200	MAIN FLOOR PLAN - POWER AND SYSTEMS AND EAST ELEVATION DETAIL
E300	ELECTRICAL SCHEDULES AND GROUNDING DETAIL
E400	ELECTRICAL SPECIFICATION
E401	ELECTRICAL SPECIFICATION AND HEATER SCHEDULE

ELECTRICAL SYMBOL LEGEND

	SMOKE ALARM
	VOICE OUTLET
	CATV OUTLET
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE 20A 1T SLOT 5-20RA
	QUADRAPLEX RECEPTACLE
	GFI DUPLEX RECEPTACLE
	RANGE RECEPTACLE
	DRYER RECEPTACLE
	HAND DRYER OUTLET
	JUNCTION BOX
	MOTOR
	MOTOR AND DISCONNECT
	SURFACE MOUNTED PANEL

ELECTRICAL SYMBOL LEGEND

	FLUORESCENT FIXTURE, A1-PANEL AND CIRCUIT, a-CONTROL
	DOWN LIGHT
	WALL MOUNTED FIXTURE
	SWITCH
	2 GANG SWITCH
	4 GANG SWITCH
	UTILITY METERING (PROVIDED BY OTHERS)
	MOUNTED ABOVE COUNTER
	MOUNTED IN MILLWORK
	MOUNTED UNDER COUNTER
	WEATHER PROOF

**SMS ENGINEERING**

SMS Engineering Ltd. Consulting Engineers  
770 Balford Street Winnipeg MB Canada R3B 0N3  
Telephone 204.775.0291 Fax 204.772.2153  
sms@smseng.com

14-317-01

**Project Information**  
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3		
2	ISSUED FOR CONSTRUCTION	14/12/18
1	ISSUED FOR 98% REVIEW	14/12/05
0	ISSUED FOR 33% REVIEW	14/10/31
Revision	Description	Date

Real Property

Carrot River, SK

MOBILE HOME DESIGN

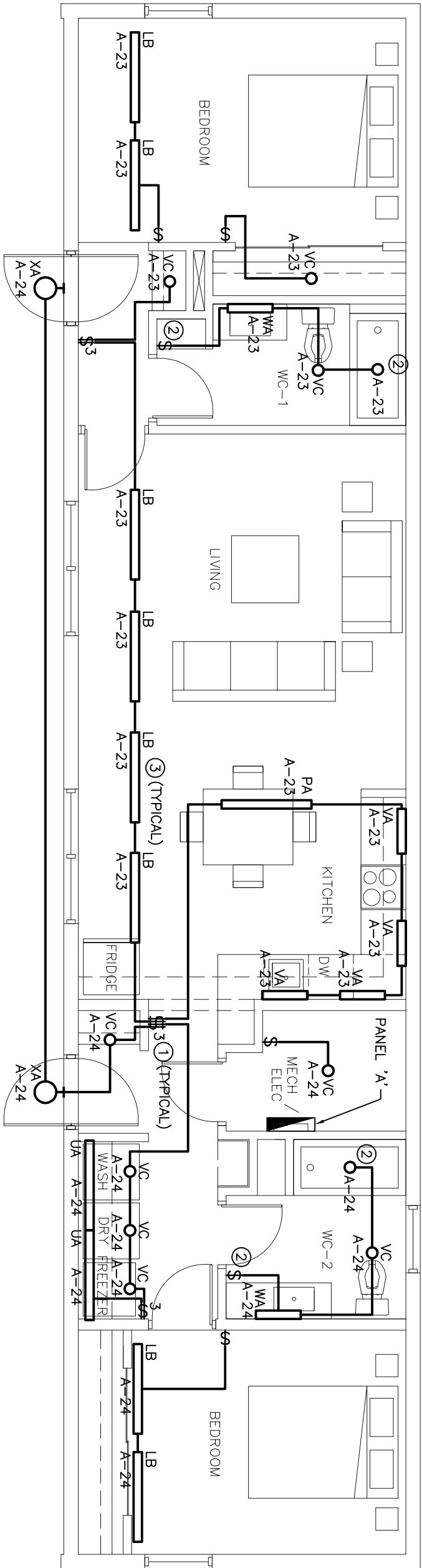
Approved by	GW
Designed by	MZ
Drawn by	JB
Project Manager	JRB

Drawing title  
DRAWING LIST AND  
SYMBOL LEGEND

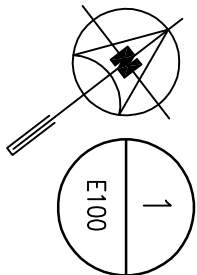
SCALE: AS NOTED



Project No.	Sheet	Revision no./
91	E001	2



## MAIN FLOOR PLAN - LIGHTING



SCALE: 3/16"=1'-0"

## GENERAL NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING EXACT LAYOUT, ROUTING, ETC. VERIFY EXISTING SERVICES ON SITE.
- CONTRACTOR SHALL ENSURE COORDINATION BETWEEN ALL TRADES AND CONSULTANT, ON AND OFF SITE, AS REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT.
- CONTRACTOR SHALL PROVIDE FIVE SPARE LAMPS FOR EACH NEW LIGHT FIXTURE TYPE. STORE FIXTURES IN MECH/ELEC ROOM IN SUITABLE CONTAINER.

## KEY NOTES



- SUPPLY, WIRE AND INSTALL NEW 120V LIGHT SWITCH.
- NEW 120V LIGHT SWITCH TO BE CIRCUITED TO INTEGRATED LIGHT IN THE SHOWER.
- SUPPLY, WIRE AND INSTALL NEW LIGHT FIXTURES. PROVIDE NEW 15A CIRCUIT IN PANEL A. WIRING TO BE 2#12 NMD90.



## SMS ENGINEERING

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14-317-01

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3		
2	ISSUED FOR CONSTRUCTION	14/12/18
1	ISSUED FOR 90% REVIEW	14/12/05
0	ISSUED FOR 33% REVIEW	14/10/31
Revision	Description	Date

Client

Red Property

Project title

Carrot River, SK

MOBILE HOME DESIGN

Approved by

GW

Designed by

MZ

Drawn by

JB

Project Manager

JRB

Client

Drawing title

MAIN FLOOR PLAN  
– LIGHTING

SCALE: AS NOTED

Project No.	Sheet	Revision no./
91	E100	2

5		
4		
3		
2	ISSUED FOR CONSTRUCTION	14/12/16
1	ISSUED FOR 90% REVIEW	14/12/05
0	ISSUED FOR 33% REVIEW	14/10/31
Revision	Description	Date

Client

Red Property

Project title

Carrot River, SK

MOBILE HOME DESIGN

Approved by

GW

Designed by

MZ

Drawn by

JB

Project Manager

JRB

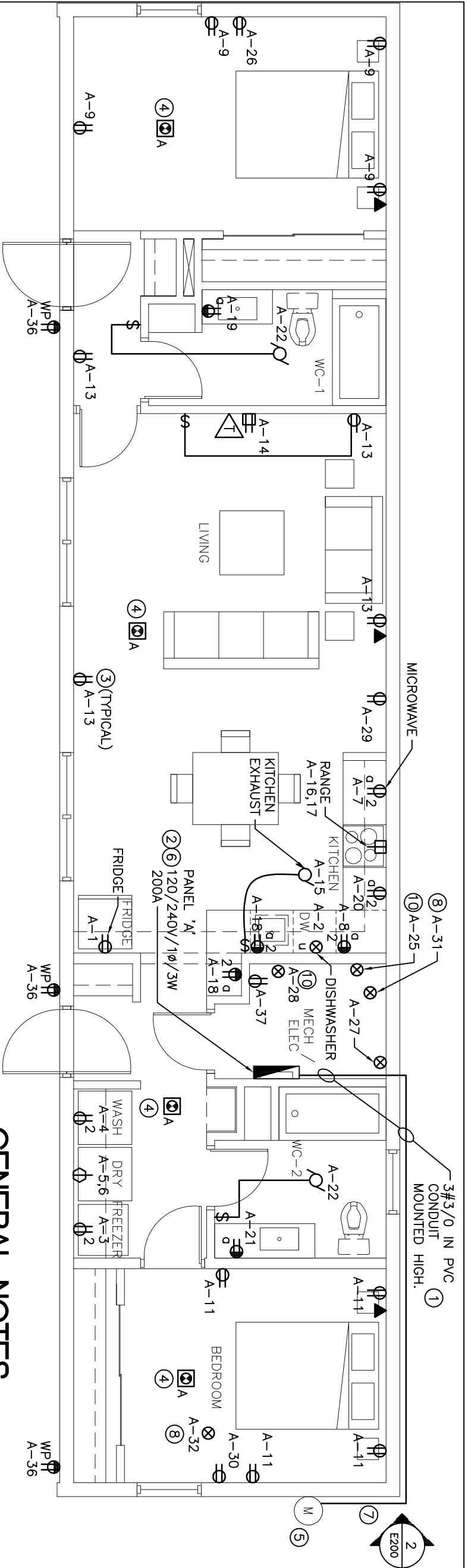
Client

Drawing title

MAIN FLOOR PLAN –  
POWER AND SYSTEMS AND  
EAST ELEVATION DETAIL

SCALE: AS NOTED

Project No.	Sheet	Revision No./
91	E200	2



## MAIN FLOOR PLAN - POWER AND SYSTEMS

SCALE: 3/16"=1'-0"

E200

## KEY NOTES

- ELECTRICAL CONTRACTOR TO PROVIDE WIRE AND INSTALL FEEDER FROM METER TO NEW PANEL 'A'. CABLE TO RUN AT HIGH LEVEL TO PANEL. SECURE WITH STAINLESS STEEL STRAPS.
- SUPPLY, WIRE AND INSTALL 120/240V/1Ø/3W 200A PANELBOARD IN MECH/ELEC ROOM.
- SUPPLY, WIRE AND INSTALL NEW DUPLEX RECEPTACLE. WIRE WITH MINIMUM 2#12 NMD90. REFER TO PANEL SCHEDULE FOR BREAKER SIZES.
- SUPPLY AND INSTALL NEW COMBINATION INTERCONNECTED CO AND SMOKE ALARM. WIRE AND CONNECT TO LIGHT CIRCUIT SERVING EACH AREA.
- PROVIDE NEW OVERHEAD MAST FOR NEW HYDRO SERVICE. CONTRACTOR TO CONFIRM EXACT LOCATION OF METER PRIOR TO INSTALLATION OF THE OVERHEAD MAST.
- NEW PANELBOARD SHALL BE GROUNDED. PROVIDE GROUND RODS AS REQUIRED. REFER TO DETAIL ON DRAWING E300.
- SEE DETAIL 2 ON THIS DRAWING FOR ELEVATION.
- PROVIDE HARD WIRED ELECTRICAL CONNECTION FOR HEAT TRACE PROVIDED BY MECHANICAL. HEAT TRACE CONNECTION LOCATED IN CRAWLSPACE. COORDINATE ALL CONNECTIONS WITH MECHANICAL CONTRACTOR.
- OPEN NOTE.
- PROVIDE 120V SERVICE FOR CONTROLS TO GAS POWERED MECHANICAL EQUIPMENT. WIRE WITH MINIMUM 2#12 NMD90. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

## GENERAL NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING EXACT LAYOUT, ROUTING, ETC. VERIFY EXISTING SERVICES ON SITE.
- CONTRACTOR SHALL ENSURE COORDINATION BETWEEN ALL TRADES AND CONSULTANT, ON AND OFF SITE, AS REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT.
- CONFIRM ALL ELECTRICAL REQUIREMENT FOR EQUIPMENT NOT IN CONTRACT PRIOR TO ROUGH-IN.
- CONFIRM ALL EXTERIOR EQUIPMENT LOCATIONS WITH ARCHITECT PRIOR TO TRENCHING.
- EXACT LOCATIONS OF ALL POWER & SYSTEM DEVICES/OUTLETS TO BE CONFIRMED ON SITE WITH ARCHITECT PRIOR TO ROUGH-IN.
- CONTRACTOR TO REVIEW HEIGHTS AND PLACEMENT OF OUTLETS. SHOULD THERE BE ANY CONFUSION OR DISCREPANCIES IT WILL BE THE RESPONSIBILITY OF DIVISION 16 TO CLARIFY WITH THE ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE LIQUID TIGHT CONNECTORS ON ALL OUTDOOR CONDUITS.
- FIRE STOP ALL PENETRATIONS.
- EXTERIOR DUPLEX RECEPTACLES TO BE RECESSED.



## EAST ELEVATION TRANSITION DETAIL

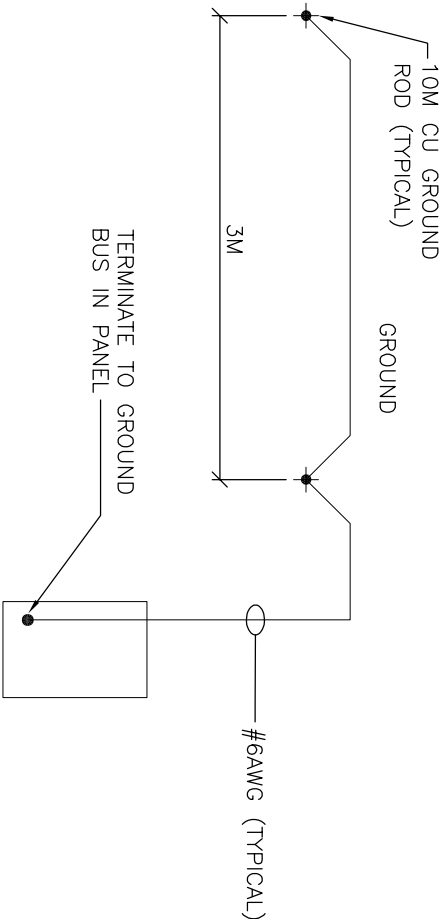
SCALE: 1/4"=1'-0"

E200



PANEL: <b>PANEL A</b>										LOCATION: MECH/ELEC ROOM	
FED FROM: MB HYDRO										LOCATION: EXTERIOR	
Designation	Lead (VA)	Ckt. Trip	bkr. No.	Phase	Ckt. bkr. No. Trip	Load (VA)	Designation				
FRIDGE	1000	20	1	A	22	15	BATHROOM EXHAUST				
DISHWASHER	800	15	2	B	23	15	LIGHTING CIRCUIT				
FREEZER	1000	20	3	A	24	15	LIGHTING CIRCUIT				
WASHER	1000	20	4	B	25	15	FURNACE CONTROLS				
DRYER	2500	40	5	A	26	15	A/C UNIT RECEPTACLE				
	2500	2P	6	B	27	15	HEAT RECOVERY VENTILATOR				
MICROWAVE	800	20	7	A	28	15	HOT WATER TANK CONTROLS				
KITCHEN GFI	500	20	8	B	29	15	A/C UNIT RECEPTACLE				
BEDROOM REC.	800	15	9	A	30	15	A/C UNIT RECEPTACLE				
SPARE		15	10	B	31	15	HEAT TRACE				
BEDROOM REC.	800	15	11	A	32	15	HEAT TRACE				
SPARE		15	12	B	33	15	SPARE				
LMNG ROOM/HALLWAY	600	15	13	A	34	15	SPARE				
TV REC.	500	15	14	B	35	15	SPARE				
KITCHEN EXHAUST	400	15	15	A	36	15	EXTERIOR RECEPTACLE				
RANGE	3000	50	16	B	37	15	MECH/ELEC ROOM				
	3000	2P	17	A	38						
KITCHEN GFI	500	20	18	B	39						
GFI SINK REC.	500	15	19	A	40						
GENERAL KITCHEN REC.	500	20	20	B	41						
GFI SINK REC.	500	15	21	A	42						
VOLTAGE: 120/240V, 1Ø, 3W										LOADS -	PH A 17300
CAPACITY: 200A											PH B 12700
MOUNTING: SURFACE											
REMARKS: NEW										TOTAL	30000
PANEL SCHEDULE											
PANEL A											
SMS Engineering Ltd. Consulting Engineers 770 Bradford Street Winnipeg MB Canada R3H 0N3 Telephone 204.775.0291 Fax 204.772.2153 sms@smseing.com						PROJECT: RCMP RESIDENTIAL COMPOUND FILE: 14-315-01 DATE: 18-Dec-14					

LUMINAIRE SCHEDULE					APPROVED MANUFACTURERS	
FXLT. TYPE	LAMPS	VOLTAGE	DESCRIPTION	NOTES		
LB	1 F25 T8	120V	1 LAMP 4' STRIP SURFACE MOUNTED, COLOUR TEMP. 3000K		LITHONIA- Z-132120GEB-101S OR APPROVED EQUAL	
VA	21W 1 LAMP	120V	KITCHEN UNDER CABINET COLOUR TEMP. 3000K		CFI- TSL3121-LNW-PE OR APPROVED EQUAL	
VC	1-26W CFT	120V	RECESSED 1 LAMP FLUORESCENT POT LIGHT C/W CLEAR ALZAK REFLECTOR- WHITE TRIM RING. 6"- 6 1/2" Ø OPENING. COLOUR TEMP. 3000K		LITHONIA- AF126TRT-6AR-TRW OR APPROVED EQUAL	
PA	21W 1 LAMP	120V	CEILING CUP- ALUMINUM FRAME: ALUMINUM DIFFUSER: POLYCARBONATE PLASTIC 45° L 71°W, COLOUR TEMP 3000K		HUSVK- 201.737.97 OR APPROVED EQUAL	
WA	20-40W 5 LAMPS	120V	WALL LAMP CHROME PLATED 24"L, 3 1/4" D, 4 1/4"W		MUSK- 301.130.29 OR APPROVED EQUAL	
XA	18W 1 LAMP	120V	EXTERIOR LIGHT FIXTURE WHITE		LITHONIA- OLW14MH OR APPROVED EQUAL	
UA	2.5W 1 LAMP	120V	LED COUNTERTOP LIGHT SILVER COLOR DIFFUSER/ MOUNTING BRACKET/ CLIP 16"W, 1"H, 2"D		RATIONELL- 502.066.64 OR APPROVED EQUAL	



1  
SCALE: NTS  
E300

**GROUNDING DETAIL**



<div><div><div>SMS</div><div>ENGINEERING</div></div><div><div>SMS Engineering Ltd. 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204.772.2153</div><div>sms@smseing.com</div></div><div>14-317-01</div></div>			<div><div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><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## 7 POWER DISTRIBUTION SYSTEM

- .1 PROVIDE ALL BREAKERS, CONDUIT, DISCONNECTS, CONDUCTORS AND ACCESSORIES REQUIRED FOR THE INSTALLATION OF PANELBOARDS AS INDICATED ON THE DRAWING AND IN THIS SPECIFICATION.
- .2 SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH SECTION 16010.
- .3 DRAWINGS TO INCLUDE ELECTRICAL DETAIL OF PANEL, BRANCH BREAKER TYPE, QUANTITY, AMPACITY AND ENCLOSURE DIMENSION.
- .4 IN ADDITION TO CSA REQUIREMENTS, MANUFACTURER'S NAMEPLATE MUST SHOW FAULT CURRENT THAT PANEL INCLUDING BREAKERS HAS BEEN BUILT TO WITHSTAND.
- .5 PANELBOARDS: TO CSA C-22.2 NO. 29.
- .6 PANELBOARDS: CUTLER HAMMER (WESTINGHOUSE), SCHNEIDER (FPE) SQUARE D AND SIEMENS.
- .7 240V BRANCH CIRCUIT PANELBOARDS: BUS AND BREAKERS RATED FOR 10KA (SYMMETRICAL) INTERRUPTING CAPACITY MINIMUM OR AS INDICATED.
- .8 SEQUENCE PHASE BUSSING SUCH THAT CIRCUIT BREAKERS WILL BE NUMBERED IN CONSECUTIVE ORDER, WITH EACH BREAKER IDENTIFIED BY PERMANENT NUMBER IDENTIFICATION AS TO CIRCUIT NUMBER AND PHASE.
- .9 PANELBOARDS: MAINS, NUMBER OF CIRCUITS, AND NUMBER AND SIZE OF BRANCH CIRCUIT BREAKERS AS INDICATED.
- .10 PROVIDE PANEL COVERS FOR ALL PANELBOARDS AND SUPPLY TWO KEYS FOR EACH PANELBOARD AND KEY PANELBOARDS ALIKE.
- .11 COPPER BUS WITH NEUTRAL OF SAME AMPERE RATING AS MAINS.
- .12 MAINS: SUITABLE FOR BOLT-ON 25MM WIDE BREAKERS.
- .13 MULTI-POLE BREAKERS SHALL BE OF ONE PIECE CONSTRUCTION WITH COMMON TRIP.
- .14 PROVIDE BREAKERS AS INDICATED IN THE PANEL SCHEDULE AND AS INDICATED ON THE DRAWING.
- .15 ALL NEW BREAKERS SHALL MATCH PANEL VOLTAGE UNLESS INDICATED OTHERWISE. CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC TYPE.
- .16 NAMEPLATE FOR EACH PANELBOARD 20 X 90MM ENGRAVED AS INDICATED.
- .17 COMPLETE CIRCUIT DIRECTORY WITH TYPEWRITTEN LEGEND SHOWING LOCATION AND LOAD OF EACH CIRCUIT.
- .18 ACCEPTABLE MANUFACTURERS: GENERAC OR APPROVED EQUAL.
- .19 LOCATE PANELBOARDS AS INDICATED AND MOUNT SECURELY, PLUMB, TRUE AND SQUARE, TO ADJOINING SURFACES.
- .20 WIRING IN PANELBOARDS SHALL BE NEAT AND SET IN AS IF LACED. ALL NEUTRAL CONDUCTORS SHALL BE IDENTIFIED IN THE PANEL WITH THEIR ASSOCIATED CIRCUIT NUMBERS BY MEANS OF BRADY MARKERS.
- .21 INTERRUPTING CAPACITY OF NEW BREAKERS IN EXISTING PANELS SHALL MATCH EXISTING.

## 8 TELEPHONE SYSTEM

1. PROVIDE AND INSTALL EMPTY CONDUIT AND OUTLET BOXES IN NEW WALLS FOR THE TELEPHONE SYSTEM AS SHOWN ON THE DRAWINGS. ALL CONDUIT SHALL BE LEFT WITH #14 AWG PULL WIRES. CONDUIT INSTALLATION SHALL BE CARRIED OUT IN CONJUNCTION WITH AND TO THE SATISFACTION OF THE TELEPHONE UTILITY.

## 9 MOUNTING HEIGHTS

- .1 MOUNTING HEIGHT IS CENTERLINE OF EQUIPMENT ABOVE FINISHED FLOOR. IF MOUNTING HEIGHT IS NOT INDICATED VERIFY BEFORE PROCEEDING WITH INSTALLATION. MOUNT SAME HEIGHT AS EXISTING IF DIFFERENT FROM THAT SHOWN HERE UNLESS INDICATED OTHERWISE ON DRAWING.
- .2 MOUNTING HEIGHTS:
  - .1 MOUNTING HEIGHT OF EQUIPMENT IS FROM FINISHED FLOOR TO CENTRE LINE OF EQUIPMENT UNLESS SPECIFIED OR INDICATED OTHERWISE.
  - .2 IF MOUNTING HEIGHT OF EQUIPMENT IS NOT SPECIFIED OR INDICATED, VERIFY BEFORE PROCEEDING WITH INSTALLATION.
  - .3 INSTALL ELECTRICAL EQUIPMENT AT FOLLOWING HEIGHTS UNLESS INDICATED OTHERWISE.
    - .1 LOCAL SWITCHES: 1200MM.



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2	ISSUED FOR CONSTRUCTION	14/12/21
1	ISSUED FOR 99% REVIEW	14/12/21
0	ISSUED FOR 33% REVIEW	14/10/20
<b>Revision</b>	<b>Description</b>	<b>Date</b>

## Real Property

Carrot River, Sk

MOBILE HOME DESIGN

Approved by	GW
Designed by	MZ
Drawn by	JIB
Project Manager	JRB
Client	
Drawing title	ELECTRICAL SPECIFICATION
SCALE: AS NOTED	
Project No.	Sheet
91	E401
	Revision no.
	2



DRAWING LIST

- M000 DRAWING LIST AND SYMBOL LEGEND
- M100 MAIN FLOOR PLAN - PLUMBING
- M200 MAIN FLOOR PLAN - HVAC
- M300 MECHANICAL / ELECTRICAL ROOM - PLUMBING & HVAC
- M400 MECHANICAL SPECIFICATION
- M500 MECHANICAL SPECIFICATION
- M600 MECHANICAL DETAILS
- M700 MECHANICAL DETAILS
- M800 MECHANICAL DETAILS

HVAC LEGEND	
	SUPPLY / MAKE-UP / OUTSIDE / COMBUSTION AIR DUCT
	RETURN AIR DUCT
	EXHAUST / RELIEF AIR DUCT
	DOOR UNDERCUT
	THERMOSTAT
	SWITCH
	GRILLE / DIFFUSER TYPE NECK SIZE QUANTITY OR NUMBER OF FLOW RATE (CFM) FACE SIZE OR THROW GRILLE OR DIFFUSER DESIGNATION
	TAGS / NOTES DESIGNATION FOR HVAC DRAWINGS

PLUMBING LEGEND	
	SANITARY WASTE ABOVE FLOOR OR GRADE
	SANITARY WASTE BELOW FLOOR OR GRADE
	VENT LINE
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	VENT THRU ROOF
	CLEANOUT
	ISOLATION VALVE
	FLOOR DRAIN
	PUMP
	TRAP
	PLUMBING FIXTURE DESIGNATION
	EQUIPMENT DESIGNATION OR PLUMBING RISER
	TAGS / NOTES / KITCHEN EQUIPMENT DESIGNATION FOR PLUMBING DRAWINGS

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2	ISSUED FOR CONSTRUCTION	14/12/18
1	ISSUED FOR 99% REVIEW	14/12/05
0	ISSUED FOR 33% REVIEW	14/10/31
Revision	Description	Date

Client

Real Property

Project title

Carrot River, SK

MOBILE HOME DESIGN

Approved by  
VSW

Designed by  
JRB

Drawn by  
JC/RNS

Project Manager  
JRB

Client

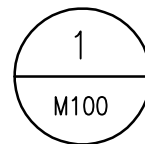
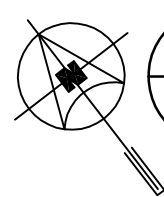
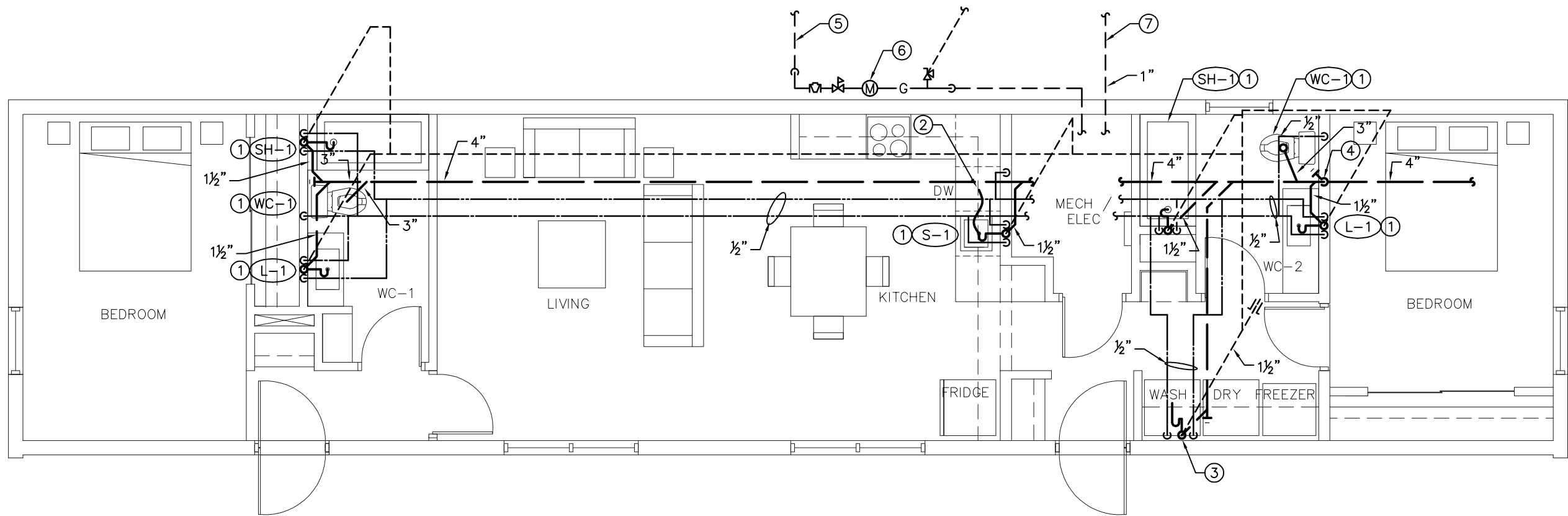
Drawing title

DRAWING LIST AND SYMBOL LEGEND

SCALE: AS NOTED

Project No.	Sheet	Revision no./
91	M000	2

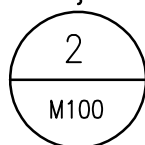
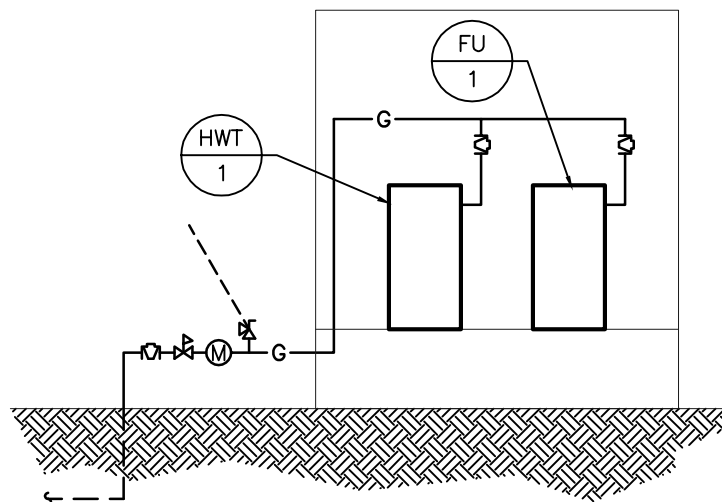




## MAIN FLOOR PLAN - PLUMBING

SCALE: 3/16"=1'-0"

TAG	NAME	GAS LOAD (BTU/HR)
FU-1	FURNACE	69,000
HWT-1	HOT WATER TANK	40,000
	TOTAL	109,000



## GAS PIPING SCHEMATIC

SCALE: 3/16"=1'-0"

## KEYNOTES

1. PROVIDE PLUMBING FIXTURE AS PER SPECIFICATION.
2. PROVIDE WATER SUPPLY AND DRAIN TO DISHWASHER. CONTRACTOR SHALL PROVIDE ROUGH-IN AND FINAL CONNECTION TO EQUIPMENT.
3. PROVIDE AUTOMATIC WASHER FITTING AS PER SPECIFICATION. ALL PLUMBING SHALL BE ROUTED IN ARCHITECTURAL FURRING.
4. SANITARY PIPING TO DROP BELOW BUILDING COMPLETE WITH HEAT TRACE. REFER TO DRAWING M800 AND ELECTRICAL DRAWINGS FOR CONTINUATION.
5. NEW GAS SERVICE BY GAS UTILITY COMPANY. MECHANICAL CONTRACTOR TO COORDINATE. INCLUDE ALL FEES, PERMITS AND INSPECTIONS.
6. NATURAL GAS SERVICE, SHUT-OFF AND METER, ETC. BY SASK ENERGY. MECHANICAL CONTRACTOR TO COORDINATE. PROVIDE VENTING AS REQUIRED. PROVIDE PRV DOWN TO 14 IN. H<sub>2</sub>O. CONCRETE BOLLARDS FOR PROTECTION BY GENERAL CONTRACTOR. REFER TO GAS PIPING SCHEMATIC AND SCHEDULE ON THIS DRAWING.
7. NEW DOMESTIC WATER SERVICE INTO BUILDING FROM MUNICIPAL WATER MAIN. REFER TO DRAWING M300 AND M600 FOR CONTINUATION.

## GENERAL NOTES

- A. DRAWINGS ARE SCHEMATIC, DO NOT SCALE.
- B. VENT PIPING SHALL BE SIZED IN ACCORDANCE WITH THE CURRENT VERSION OF THE PLUMBING CODE AND EXACT ROUTING ON SITE.
- C. ALL SANITARY PIPING SHALL BE ROUTED IN CAVITY BELOW FLOOR AND ABOVE INSULATION EXCEPT WHERE NOTED OTHERWISE.
- D. ALL PIPING ENTERING/EXITING BUILDING SHALL BE CAPPED PRIOR TO SHIPMENT AND FINAL CONNECTION TO SITE SERVICES SHALL BE MADE ON SITE.



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2	ISSUED FOR CONSTRUCTION	14/12/18
1	ISSUED FOR 99% REVIEW	14/12/05
0	ISSUED FOR 33% REVIEW	14/10/31
Revision	Description	Date

Client

Real Property

Project title

Carrot River, SK

MOBILE HOME DESIGN

Approved by

VSW

Designed by

JRB

Drawn by

JC/RNS

Project Manager

JRB

Client

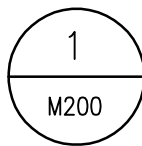
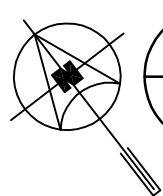
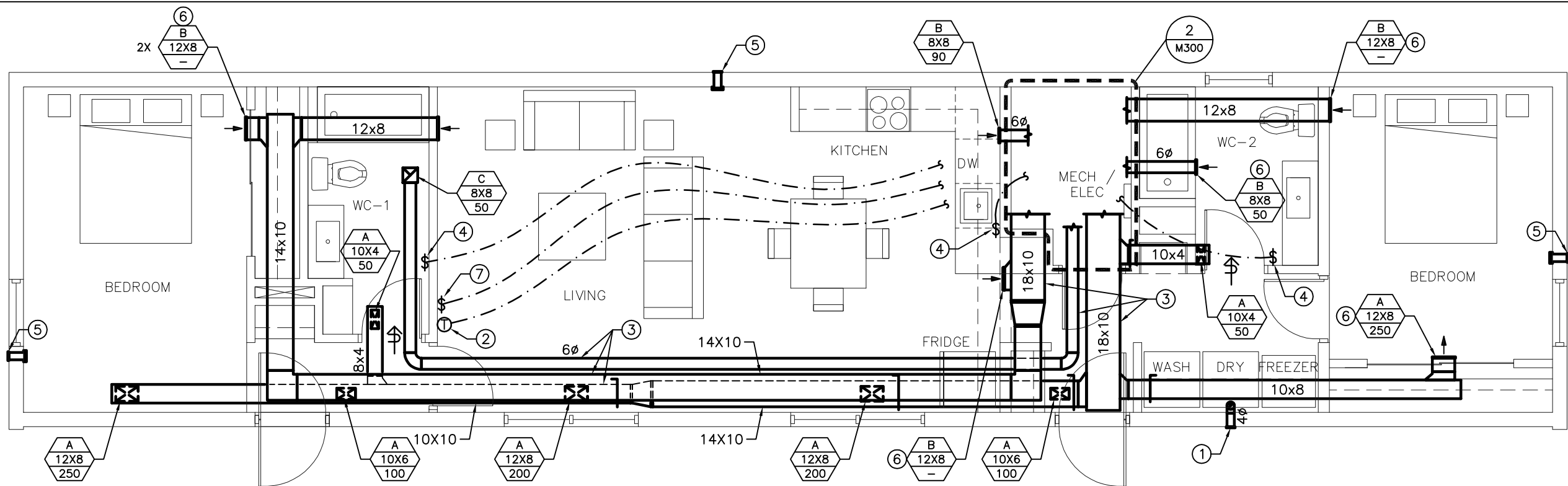
Drawing title

MAIN FLOOR PLAN  
- PLUMBING

SCALE: AS NOTED

Project No.	Sheet	Revision no./
91	M100	2





# MAIN FLOOR PLAN - HVAC

SCALE: 3/16"=1'-0"

## KEYNOTES

1. PROVIDE LAUNDRY EXHAUST LOUVRE AS PER SPECIFICATION.
2. PROVIDE THERMOSTAT AS PER SPECIFICATION AND COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
3. ROUTE DUCTWORK IN ARCHITECTURAL BULKHEAD.
4. PROVIDE HRV ON/OFF SWITCH AND COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
5. PROVIDE INLET/OUTLET FOR FUTURE PORTABLE AC UNIT. PROVIDE 5" PVC PIPE THROUGH WALL. INTERIOR SIDE SHALL BE THREADED WITH CAP C/W SEAL. EXTERIOR SHALL BE WALL HOOD AS PER SPECIFICATION. FILL PIPE WITH BATT INSULATION WHICH CAN BE REMOVED PRIOR TO USE.
6. GRILLE SHALL BE INSTALLED AT HIGH LEVEL.
7. PROVIDE MAIN HRV CONTROL PANEL. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.

## GENERAL NOTES

A. DRAWINGS ARE SCHEMATIC, DO NOT SCALE.



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2	ISSUED FOR CONSTRUCTION	14/12/18
1	ISSUED FOR 99% REVIEW	14/12/05
0	ISSUED FOR 33% REVIEW	14/10/31

Client  
  
**Real Property**

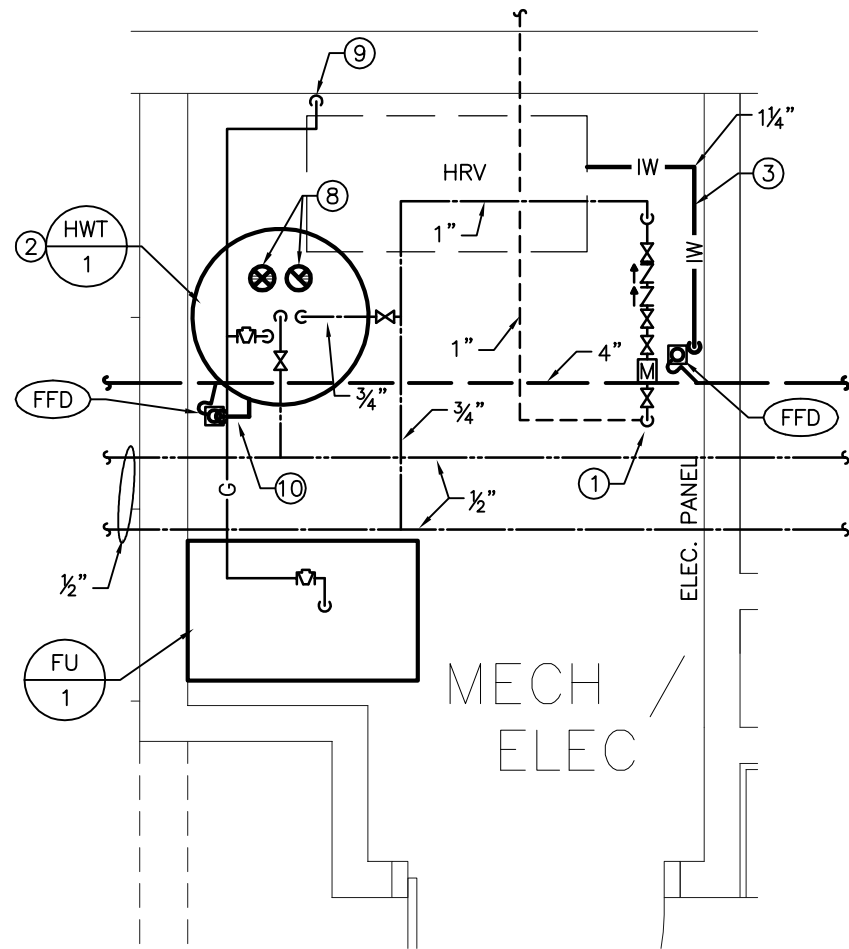
Project title  
  
Carrot River, SK  
  
**MOBILE HOME DESIGN**

Approved by  
VSW  
Designed by  
JRB  
Drawn by  
JC/RNS  
Project Manager  
JRB  
Client

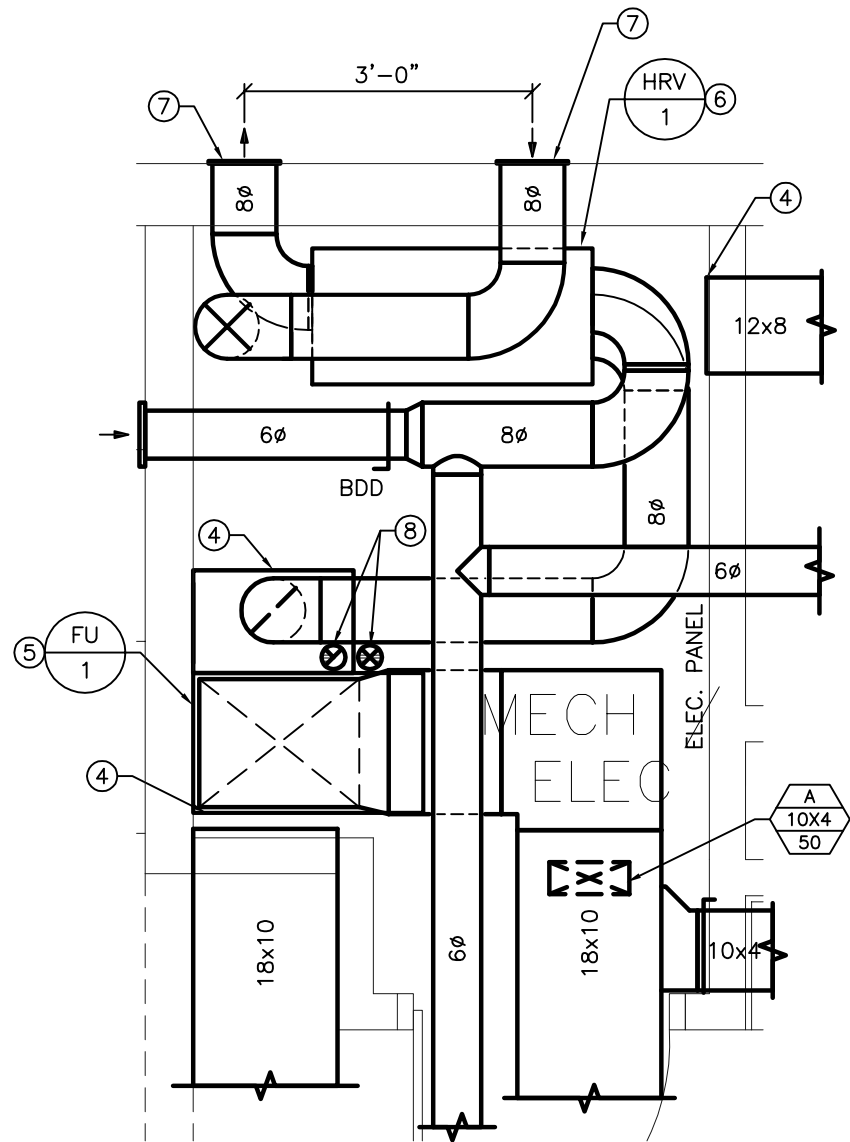
Drawing title  
  
**MAIN FLOOR PLAN  
- HVAC**

**SCALE: AS NOTED**

Project No.	Sheet	Revision no./
91	M200	2



1 MECH/ELEC ROOM - PLUMBING  
SCALE: 1/2"=1'-0"



2 MECH/ELEC ROOM - HVAC  
SCALE: 1/2"=1'-0"

## KEYNOTES

1. PROVIDE NEW WATER SERVICE. REFER TO DRAWING M600 FOR FOR INSTALLATION DETAIL.
2. PROVIDE NATURAL GAS HOT WATER TANK AS PER SPECIFICATION. SECURE TANK TO WALL WITH STRAPPING.
3. ROUTE CONDENSATE DRAIN FROM HRV TO DISCHARGE INDIRECTLY OVER FLOOR DRAIN.
4. RETURN AIR DUCT SHALL BE OPEN-ENDED C/W 1/2" WIRE SCREEN.
5. PROVIDE FLOOR MOUNTED NATURAL GAS FURNACE AS PER SPECIFICATION. PROVIDE FLEXIBLE CONNECTION ON SUPPLY DUCTWORK. SECURE TO WALL WITH STRAPPING.
6. PROVIDE HRV AS PER SPECIFICATION. PROVIDE FLEXIBLE CONNECTIONS ON ALL ATTACHED DUCTWORK AND SUSPEND UNIT FROM THE UNDERSIDE OF STRUCTURE COMPLETE WITH VIBRATION ISOLATION. FOR TRANSPORT, SECURE UNIT RIGIDLY WITH STRAPPING THAT CAN BE REMOVED ONCE ON SITE.
7. PROVIDE HRV OUTLET/INLET WALL HOODS AS PER SPECIFICATION.
8. COMBUSTION AIR AND EXHAUST VENTS TO BE ROUTED UP THROUGH CEILING TO DISCHARGE AT ROOF LEVEL THROUGH A CONCENTRIC VENT.
9. PROVIDE NEW NATURAL GAS SERVICE. REFER TO DRAWING M100 FOR CONTINUATION.
10. PIPE HOT WATER TANK RELIEF TO DRAIN INDIRECTLY OVER FUNNEL FLOOR DRAIN.



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Revision	Description	Date
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2	ISSUED FOR CONSTRUCTION	14/12/18
1	ISSUED FOR 99% REVIEW	14/12/05
0	ISSUED FOR 33% REVIEW	14/10/31

Client	Real Property	
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Project title	Carrot River, SK	
	MOBILE HOME DESIGN	

Approved by	VSW	
Designed by	JRB	
Drawn by	JC/RNS	
Project Manager	JRB	
Client		

Drawing title	MECHANICAL / ELECTRICAL ROOM - PLUMBING & HVAC	
	SCALE: AS NOTED	

Project No.	Sheet	Revision no./
91	M300	2

MECHANICAL SPECIFICATION

1.0 GENERAL

- .1

VISIT JOBSITE DURING TENDER. DRAWINGS INDICATE APPROXIMATE LOCATION OF EXISTING MECHANICAL EQUIPMENT AND SERVICES. VERIFY EXACT LOCATIONS OF EXISTING MECHANICAL EQUIPMENT AND SERVICES AND ALLOW FOR NECESSARY RELOCATING OF NOTED SERVICES (OR RECONNECTION TO EXISTING SERVICES) TO SUIT NEW CONSTRUCTION.
- .2

ALL WORK SHALL CONFORM TO SASKATCHEWAN BUILDING CODE AND LOCAL AUTHORITIES. APPLY FOR, OBTAIN AND PAY FOR ALL NECESSARY PERMITS.
- .3

COORDINATE INSTALLATION WITH ALL RELATED TRADES, ARCHITECTURAL DRAWINGS, INTERIOR DESIGN PLANS AND REFLECTED CEILING PLANS. VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING EQUIPMENT AND SERVICES PRIOR TO PROCEEDING WITH WORK.
- .4

SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT TO CONSULTANT.
- .5

PROVIDE ONE YEAR GUARANTEE FOR ALL EQUIPMENT.
- .6

PROVIDE MILCOR ACCESS DOORS IN DRYWALL CEILINGS AND WALLS FOR ACCESS TO MECHANICAL EQUIPMENT. MINIMUM SIZE 24” X 18”.
- .7

TENDER QUOTATIONS SHALL BE BASED ON THE USE OF SPECIFIED EQUIPMENT, UNLESS ACCEPTANCE FOR THE USE OF EQUAL MANUFACTURERS IS OBTAINED FROM THE ENGINEER PRIOR TO SUBMISSION OF TENDERS. ALTERNATE MANUFACTURERS MAY BE QUOTED AS AN INCREASE OR DECREASE AMOUNT TO THE TENDER PRICE, WITHOUT PRIOR ACCEPTANCE OF THE ENGINEER.
- .8

FURNISH TO THE OWNER THREE (3) COMPLETE SETS OF MANUFACTURER’S OPERATING AND MAINTENANCE INSTRUCTIONS FOR ALL EQUIPMENT REQUIRING MAINTENANCE. REVIEW INSTRUCTIONS WITH OWNER’S REPRESENTATIVE TO ENSURE A THOROUGH UNDERSTANDING OF THE EQUIPMENT AND ITS OPERATION.
- .9

PROVIDE A MARK–UP OF THE CONTRACT DRAWINGS FOR RECORD ”AS–BUILT” DRAWINGS, REVISED AS REQUIRED TO SHOW ANY CHANGES FROM THAT ORIGINALLY SHOWN.
- .10

PROVIDE AS–BUILT DRAWING IN AUTOCAD FORMAT, COMPLETE WITH DISK PAID FOR BY MECHANICAL CONTRACTOR.
- .11

ALL DUCTWORK AND PIPING TO BE INSTALLED STRAIGHT, PARALLEL TO THE BUILDING WALLS.
- .12

WHERE PIPES OR DUCTS GO THROUGH AN EXTERIOR ROOF OR WALL, THEY SHOULD BE BOXED–IN, FLASHED AND WATERPROOFED. ALLOW FOR EXPANSION AND CONTRACTION OF PIPE.
- .13

PIPE HANGERS SHALL BE ANVIL FIG. 65 FOR STEEL PIPE AND FIG. CT65 FOR COPPER PIPE, ALL WITH FIG. 140 THREADED ROD ATTACHED TO FIG. 117 EXPANSION CASE SET IN HOLES DRILLED IN CONCRETE, OR ATTACHED TO FIG. 225 OR 227 CLAMP ATTACHED TO JOISTS OR BEAMS.
- .14

ALL WIRING FOR EQUIPMENT SPECIFIED HEREIN SHALL BE BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED.
- .15

CONTRACTOR SHALL REVIEW ALL EQUIPMENT REQUIRING ELECTRICAL HOOK–UP WITH ELECTRICAL CONTRACTOR AND ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT. ENSURE PROPER ELECTRICAL CHARACTERISTICS ARE DETERMINED FOR ALL AFFECTED AND RELATED WORK.
- .16

PRIOR TO INSTALLATION OF THE CEILING AND DRYWALL, NOTIFY THE CONSULTANT AND ARRANGE FOR A FINAL REVIEW OF THE WORK. FOR UNDERTAKING THIS REVIEW, THE FOLLOWING SHALL BE COMPLETED:

.1

ALL SYSTEMS TO BE FULLY OPERATIONAL, AS–BUILT DRAWINGS SUPPLIED AND OPERATING AND MAINTENANCE MANUALS SUBMITTED. TWO (2) DAYS NOTIFICATION (IN WRITING) IS REQUIRED TO BE GIVEN TO THE CONSULTANTS PRIOR TO REVIEWS BEING UNDERTAKEN.

.2

ALL DEFICIENCIES SHALL BE COMPLETED WITHIN TWO (2) WEEKS OF AN AGREED PERIOD OF TIME AFTER FINAL REVIEW AND A LETTER SHALL BE SUBMITTED TO THE CONSULTANT WITHIN THAT TIME ADVISING OF SUCH. FAILURE TO COMPLETE WORK MAY RESULT IN WORK BEING DONE BY THE OWNER AND THE COSTS DEDUCTED FROM FINAL PAYMENT.
- .17

SILICONE ALL FIXTURES TO ADJACENT WALLS, FLOORS OR COUNTERTOPS ETC.

2.0 INSULATION

- .1

INSULATE ALL DOMESTIC WATER PIPING WITH 1/2” FIBERGLAS 7 LB. DENSITY, PIPE INSULATION WITH ASJ AS PER MFG. RECOMMENDATIONS. SEAL ALL BREAKS, JOINTS WITH ASJ TAPE.
- .2

ALL COLD PIPING INSULATION SHALL BE C/W WITH VAPOUR BARRIER.
- .3

ALL EXHAUST AND OUTDOOR AIR DUCTS FOR DISTANCE OF 6’–0” BACK FROM WALL OR ROOF OUTLET TO HAVE 2” FIBERGLAS RFFRK.
- .4

INSULATION ON PIPING IN FINISHED AREAS TO BE RECANVASSED OR COVERED WITH WHITE P.V.C. INSULATION COVER.

3.0 PLUMBING

- .1

PROVIDE LABOUR, MATERIAL, EQUIPMENT AND SERVICES NECESSARY FOR AND INCIDENTAL TO SUPPLY AND INSTALLATION OF SYSTEMS SHOWN ON DRAWINGS. GENERALLY THIS SHALL INCLUDE:

.1

DRAINAGE SYSTEM

.2

WATER SUPPLY SYSTEM

.3

GAS PIPING SYSTEM
- .2

DRAINAGE SYSTEMS

.1

PROVIDE COMPLETE SYSTEMS OF DRAINAGE AND VENTING TO SERVE ALL FIXTURES, EQUIPMENT, ETC. AS NOTED ON DRAWINGS AND IN ACCORDANCE WITH LOCAL CODES.

.2

ALL DRAINAGE PIPING TO W.C.’S SHALL BE 3” DIAM. MIN.

.3

CLEANOUTS:

.1

INSTALL CLEANOUTS AT ALL CHANGES OF DIRECTION, AT INTERVALS OF NOT OVER FIFTY FEET (50) IN HORIZONTAL RUNS, AT ALL POINTS WHERE OBSTRUCTIONS MIGHT BE FORMED AND AT ALL POINTS REQUIRED BY PLUMBING REGULATIONS OR SHOWN ON DRAWINGS.
- .3

WATER SUPPLY

.1

PROVIDE COMPLETE SYSTEM OF WATER SUPPLY PIPING AS NOTED ON DRAWINGS.

.2

GRADE HORIZONTAL RUNS OF PIPING TO DRAIN THROUGH RISERS.

.3

INSTALL DRAIN VALVES IN MAINS FOR COMPLETE DRAINAGE.

- .4

INSTALL DIELECTRIC INSULATING COUPLINGS BETWEEN ALL PIPES CONSTRUCTED OF DISSIMILAR METALS.
- .5

PROVIDE SHOCK ABSORBER UPSTREAM OF EVERY SOLENOID VALVE OR QUICK CLOSING VALVE. THIS APPLIES ALSO TO NIC EQUIPMENT HAVING SOLENOID VALVES SUPPLIED BY OTHER DIVISIONS, SUCH AS WASHING MACHINES, DISHWASHERS, ETC. REVIEW PROPOSED LOCATION AND TYPE OF SHOCK ABSORBERS WITH CONSULTANT PRIOR TO INSTALLATION.
- .4

INSTALL BACKFLOW PREVENTION DEVICES IN ACCORDANCE WITH THE PROVINCIAL BUILDING CODE AND ALL LOCAL BY–LAW’S. INCLUDE COSTS OF ALL TESTING.
- .5

DRAIN AND VENT PIPING

.1

DRAINS AND VENT PIPES SHALL BE IN ACCORDANCE WITH LOCAL OR PROVINCIAL REGULATIONS.

.2

UNLESS SPECIFICALLY NOTED, ALL DRAIN, WASTE AND VENT PIPING SHALL BE IPEX ABS DWV PIPE.

.3

ABS DWV PIPE AND FITTINGS – IPEX ABS DRAIN, WASTE AND VENT PIPE AND FITTINGS SHALL BE CERTIFIED TO CSA B181.1

.4

FITTINGS – ABS DWV PLASTIC FITTINGS CERTIFIED TO CSA B181.1

.5

JOINING OF PIPE SHALL BE AS PER MANUFACTURES WRITTEN INSTRUCTIONS.
- .6

WATER PIPING

.1

PROVIDE UPONOR CROSS LINKED POLYETHYLENE MANUFACTURED TO PEX–α OR ENGEL–METHOD STANDARD AND NSF–CERTIFIED SDR–9. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM F876, F877, CSA IN ACCORDANCE WITH THE ASTM STANDARD.

.2

INSTALL IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.
- .7

BALL VALVES

.1

TOYO FIG. 5049A.
- .8

CLEANOUTS

.1

CLEANOUTS IN ABS DWV SHALL BE INSTALLED AS PER MANUFACTURES WRITTEN INSTRUCTIONS.
- .9

GAS PIPING

.1

THE MECHANICAL CONTRACTOR SHALL ARRANGE WITH NATURAL GAS UTILITY FOR NEW GAS SERVICE INCLUDING PRESSURE REGULATOR. THE COST OF THIS SERVICE SHALL BE INCLUDED IN THE COST OF THIS CONTRACT.

.2

GAS PIPING SHALL BE BLACK STEEL PIPE, EQUAL TO ASTM A–53 SCHEDULE 40 WITH 150 LB STANDARD BLACK MALLEABLE IRON SCREWED FITTINGS. ALL WORK SHALL COMPLY WITH CAN/CSA, A NATIONAL STANDARD OF CANADA, NATURAL GAS AND PROPANE INSTALLATION CODE. AND SHALL BE PERFORMED BY FULLY QUALIFIED GAS FITTER AND/OR WELDERS LICENSED TO PRACTICE IN THE PROVINCE.
- .10

CLEANOUT ACCESS COVER

.1

ZURN ZANB–1460–13–7” DIAM. POLISHED NICKEL BRONZE FRAME AND COVER. CLEANOUT ACCESS COVERS IN AREAS HAVING FLOOR FINISH SUCH AS V.A. TILE, TERRAZZO, OR CARPET, SHALL BE SELECTED TO SUIT FINISH. COOPERATE WITH APPROPRIATE TRADES TO APPLY FINISH TO CLEANOUT COVERS SO THAT THEY WILL BE FLUSH WITH FLOOR, INCONSPICUOUS, AND ACCESSIBLE.

.2

CLEANOUTS IN WALLS SHALL BE LOCATED ADJACENT TO AN ACCESS DOOR, OR SHALL HAVE SUITABLY FINISHED ACCESS COVER FLUSH WITH WALL SO AS TO PRESENT NEAT FINISHED APPEARANCE AND LEAVE CLEANOUT EASILY ACCESSIBLE.
- .11

CLEANING AND FLUSHING

.1

ON COMPLETION, FLUSH OUT PIPING SYSTEM TO REMOVE ANY FOREIGN MATERIAL IN PIPING.
- .12

TESTING

.1

PRESSURE TEST ALL PIPING SYSTEMS AS FOLLOWS:

.1

PLUMBING SYSTEM – IN ACCORDANCE WITH LOCAL REGULATIONS.

.2

WATER SUPPLY PIPING – TEST WITH AIR TO 100 PSIG AT HIGHEST POINT OF SYSTEM. MAINTAIN PRESSURE WITHOUT LOSS FOR 4 HOURS.

.3

CONSULTANT’S REPRESENTATIVE SHALL WITNESS TESTS. GIVE 48 HOURS NOTICE IN ADVANCE OF TESTS.

.4

NATURAL GAS SYSTEM – IN ACCORDANCE WITH LOCAL REGULATIONS.

.5

ALL TESTING SHALL BE PRIOR TO SHIPMENT.
- .13

HANGERS

.1

WATER – ANVIL CT65 PLATED CLEVIS.

.2

DRAINAGE – ANVIL 260 CLEVIS.

.3

INSTALL HANGERS 6 FT. ON CENTRE FOR PIPES UP TO 1”, 8 FT. ON CENTRE FOR PIPES 1 1/4” AND LARGER.
- .14

FIXTURES

.1

WC–1 WATER CLOSET (FLUSH TANK)

.1

ZURN Z5570–VL PRESSURE ASSISTED, ELONGATED, TWO PIECE TOLILET. 1.6 GPF, VITREOUS CHINA, SIPHON JET FLUSH ACTION, 2–1/8” FULLY GLAZED TRAPWAY, INCLUDES BOLT CAPS, VANDAL PROOF LID.

.2

CENTOCO SEAT, 820STSS EXTRA HEAVY DUTY PLASTIC, ELONGATED OPEN FRONT WITH COVER, CHECK HINGE AND STAINLESS STEEL HINGE POSTS/NUTS ETC, ANTI MICROBIAL, WHITE.

.3

SPEEDWAY CHROME PLATED FLEXIBLE SUPPLY WITH WHEEL HANDLE STOP, CHROME PLATED WALL ESCUTCHEON.

.2

L–1 LAVATORY

.1

IKEA GODMORGON/EDEBOVIKEN SINK CABINET WITH TWO DRAWERS, WHITE STAINED OAK EFFECT.

.2

IKEA ENSEN BATHROOM FAUCET CHROME PLATED.

.3

ORREVIK SINK STRAINER.

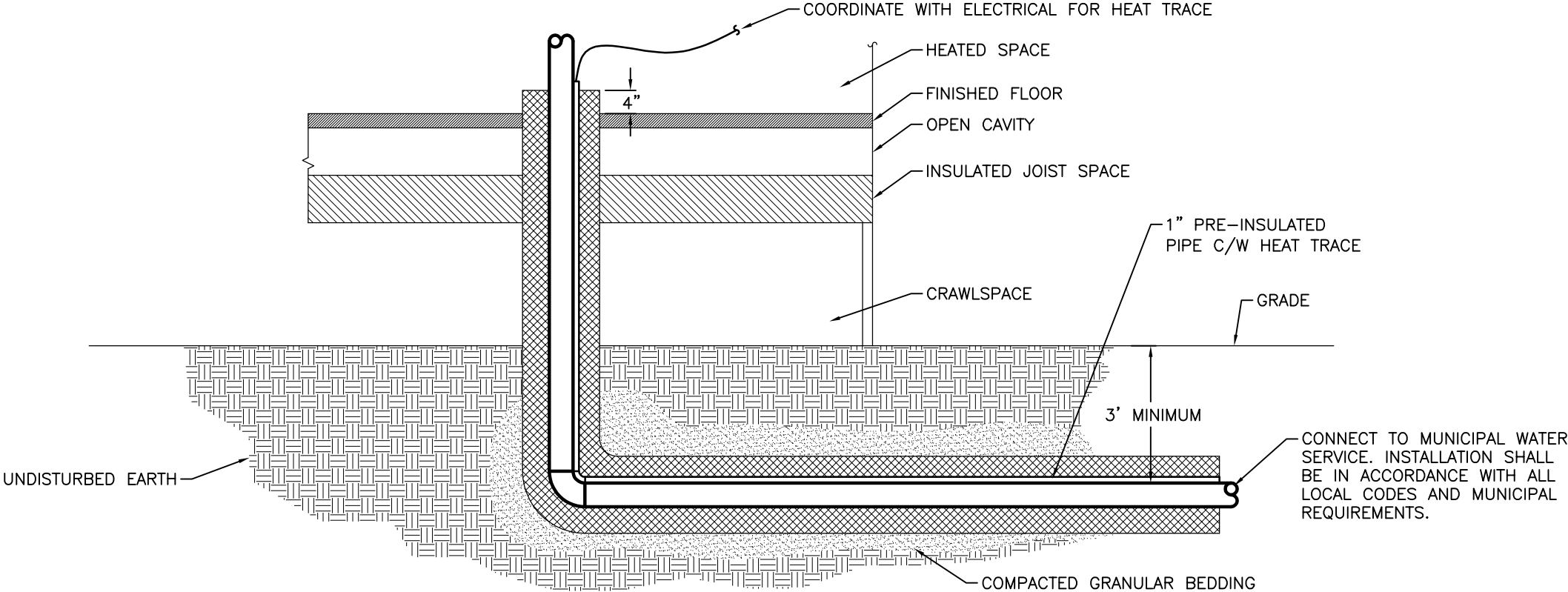
.4

SPEEDWAY FLEXIBLE LAV. SUPPLIES WITH S.D.A.S. AND INLET EXTENSION TUBES.









1

M600

INCOMING WATER SERVICE

SCALE: NTS



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2	ISSUED FOR CONSTRUCTION	14/12/18
1	ISSUED FOR 99% REVIEW	14/12/05
0	ISSUED FOR 33% REVIEW	14/10/31
Revision	Description	Date

Client

Real Property

Project title

Carrot River, SK

MOBILE HOME DESIGN

Approved by  
VSW

Designed by  
JRB

Drawn by  
JC/RNS

Project Manager  
JRB

Client

Drawing title

MECHANICAL DETAILS

SCALE: AS NOTED

Project No.	Sheet	Revision no./
91	M600	2



TEMPERATURE & PRESSURE  
RELIEF VALVE PIPE SEPARATELY  
AND FULL SIZE TO DRAIN

CPVC INTAKE AIR PIPE BY  
PLUMBING. PIPE SHALL  
MEET ULC SYSTEM 636  
FLUE GAS VENT SYSTEM.

DRAIN

CONCENTRIC  
AIR INTAKE  
AND EXHAUST  
VENT

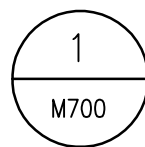
CPVC EXHAUST AIR PIPE BY  
PLUMBING. PIPE SHALL MEET ULC  
SYSTEM 636 FLUE GAS VENT  
SYSTEM.

HOT TO BUILDING

COLD TO HEATER

PROVIDE SHEET METAL  
DRAIN PAN

FLOOR



# HOT WATER TANK DETAIL

SCALE: NTS



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Drawn by

JC/RNS

Project Manager

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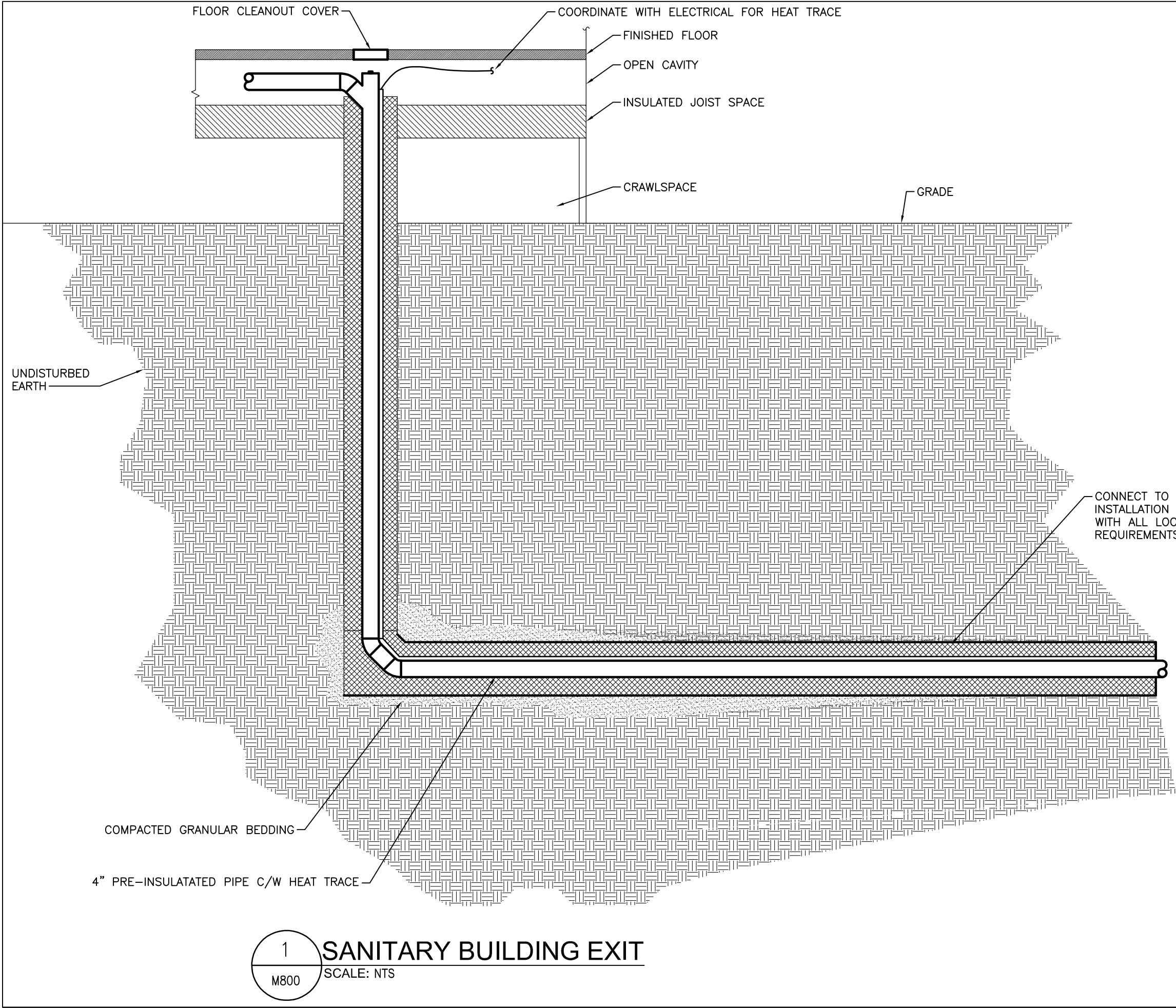
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Drawing title

MECHANICAL DETAILS

SCALE: AS NOTED

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91	M700	2



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**Real Property**

Project title

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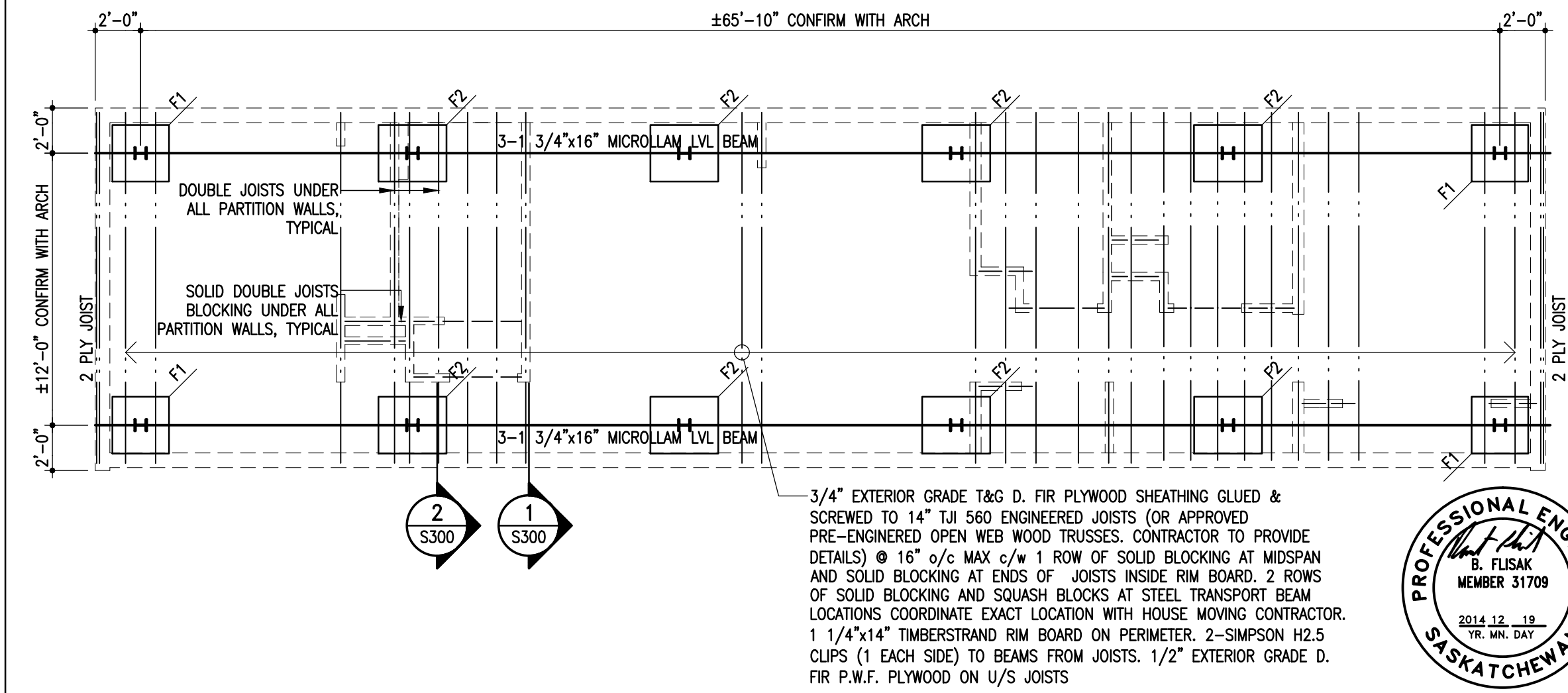
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**MECHANICAL DETAILS**

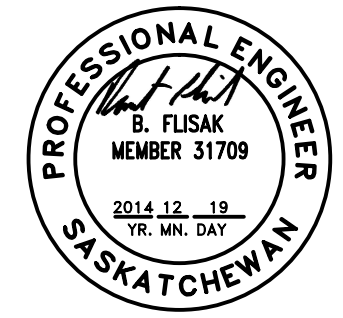
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Project No.	Sheet	Revision no./
91	M800	2





3/4" EXTERIOR GRADE T&G D. FIR PLYWOOD SHEATHING GLUED & SCREWED TO 14" TJI 560 ENGINEERED JOISTS (OR APPROVED PRE-ENGINEERED OPEN WEB WOOD TRUSSES. CONTRACTOR TO PROVIDE DETAILS) @ 16" o/c MAX c/w 1 ROW OF SOLID BLOCKING AT MIDSPAN AND SOLID BLOCKING AT ENDS OF JOISTS INSIDE RIM BOARD. 2 ROWS OF SOLID BLOCKING AND SQUASH BLOCKS AT STEEL TRANSPORT BEAM LOCATIONS COORDINATE EXACT LOCATION WITH HOUSE MOVING CONTRACTOR. 1 1/4"x14" TIMBERSTRAND RIM BOARD ON PERIMETER. 2-SIMPSON H2.5 CLIPS (1 EACH SIDE) TO BEAMS FROM JOISTS. 1/2" EXTERIOR GRADE D. FIR P.W.F. PLYWOOD ON U/S JOISTS



NOTE: NO GEOTECHNICAL INVESTIGATION FOR SITE PROVIDED TO CONSULTANT BY OWNER. FOOTINGS DESIGNED ON BASIS OF 2000 PSF ALLOWABLE BEARING PRESSURE. DESIGN BEARING PRESSURE AND DIFFERENTIAL MOVEMENT POTENTIAL TO BE CONFIRMED ON SITE BY TESTING BY OWNER. OWNER ACCEPTS RISKS OF FOUNDATION MOVEMENTS AND CAPACITY IF BUILDING IS CONSTRUCTED WITHOUT GEOTECHNICAL INVESTIGATION.

## MAIN FLOOR/FOUNDATION FRAMING PLAN

SCALE: 3/16" = 1'-0"

DESIGN DEAD LOAD = 20 PSF  
DESIGN LIVE LOAD = 40 PSF (RESIDENTIAL OCCUPANCY)

- F1 2'-6"x2'-6" FOOTING  
ASSEMBLED FROM STACKED 4x4 PWF TIMBERS  
FASTENED TOGETHER WITH 8" GALVINIZED ARDOX  
NAILS @ 4" o/c
- F2 2'-6"x4'-0" FOOTING  
ASSEMBLED FROM STACKED 4x4 PWF TIMBERS  
FASTENED TOGETHER WITH 8" GALVINIZED ARDOX  
NAILS @ 4" o/c

### FOOTING INSTALLATION:

1. REMOVE TOP SOIL AND ORGANICS TO EXPOSE UNDERLYING NATIVE SOIL.
2. LOCALLY EXCAVATE TO EMBED BOTTOM OF FOOTING IN SOIL.
3. UTILIZE COMPACTED GRANULAR FILL AS REQUIRED TO LEVEL FOOTINGS RELATIVE TO EACH OTHER.
4. UPON COMPLETION OF SKIRT PROVIDE UNIFORM LAYER OF SAND IN CRAWLSPACE MIN 4" HIGH.

ASSOCIATION OF PROFESSIONAL ENGINEERS  
OF SASKATCHEWAN

**CERTIFICATE OF AUTHORIZATION**

CROSIER, KILGOUR & PARTNERS LTD.

NUMBER 47

PERMISSION TO CONSULT HELD BY:

DISCIPLINE SASK. REG. No. SIGNATURE

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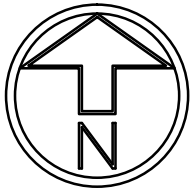
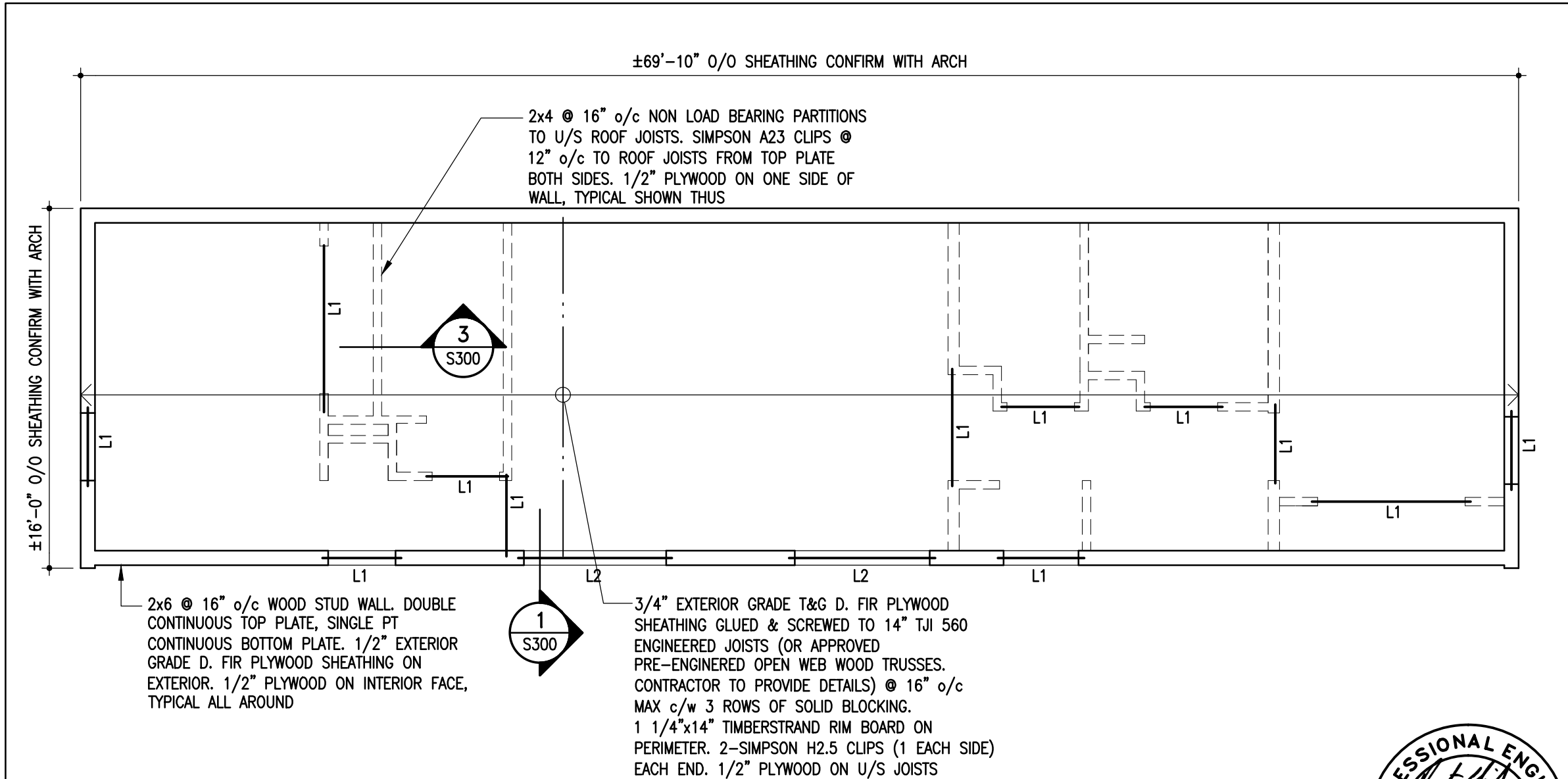
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RCMP

Project title  
Carrot River, SK  
MOBILE HOME DESIGN

Approved by  
Designed by  
BF  
Drawn by  
ZG  
Project Manager  
RD  
Client  
RCMP

Drawing title  
MAIN FLOOR/FOUNDATION  
FRAMING PLAN  
SCALE: AS NOTED

Project No.	Sheet	Revision no./
91	S100	0

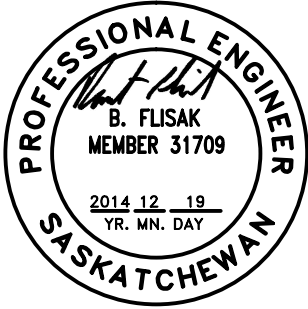


ROOF FRAMING PLAN

SCALE: 3/16" = 1'-0"

DESIGN DEAD LOAD = 20 PSF  
DESIGN LIVE LOAD (SNOW) = 36 PSF

- L1 2-2x10 LINTEL, 2 CRIPPLE  
1 FULL HEIGHT STUD EACH END
- L2 2-1 3/4"x9 1/4" MICROLLAM LVL  
2 CRIPPLE, 1 FULL HEIGHT STUD EACH END



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Client

RCMP

Project title

Carrot River, SK

MOBILE HOME DESIGN

Approved by

Designed by  
BF

Drawn by  
ZG

Project Manager  
RD

Client  
RCMP

Drawing title

ROOF FRAMING PLAN

SCALE: AS NOTED

Project No.	Sheet	Revision no./
91	S200	0





