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- A-2 GROUND FLOOR PLAN
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- A-16 ALUM PRIVACY SCREEN HORIZ SECTIONS

STRUCTURAL

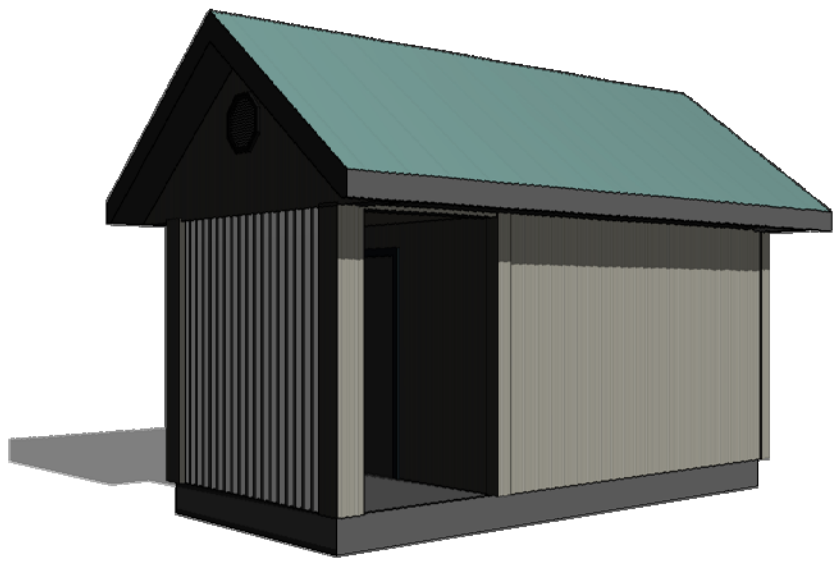
- S-0 GENERAL NOTES
- S-1 FOUNDATION PLAN & SECTION
- S-2 ROOF FRAMING PLAN
- S-3 SECTIONS

MECHANICAL

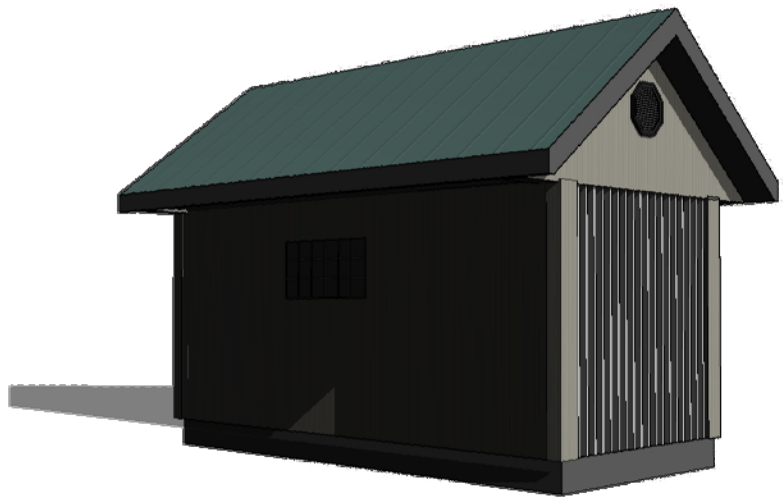
- M-1.1 GROUND FLOOR PLAN - PLUMBING
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- M-2.2 FAN COIL UNIT INSTALLATION & DUCTWORK CONN. DETAIL

ELECTRICAL

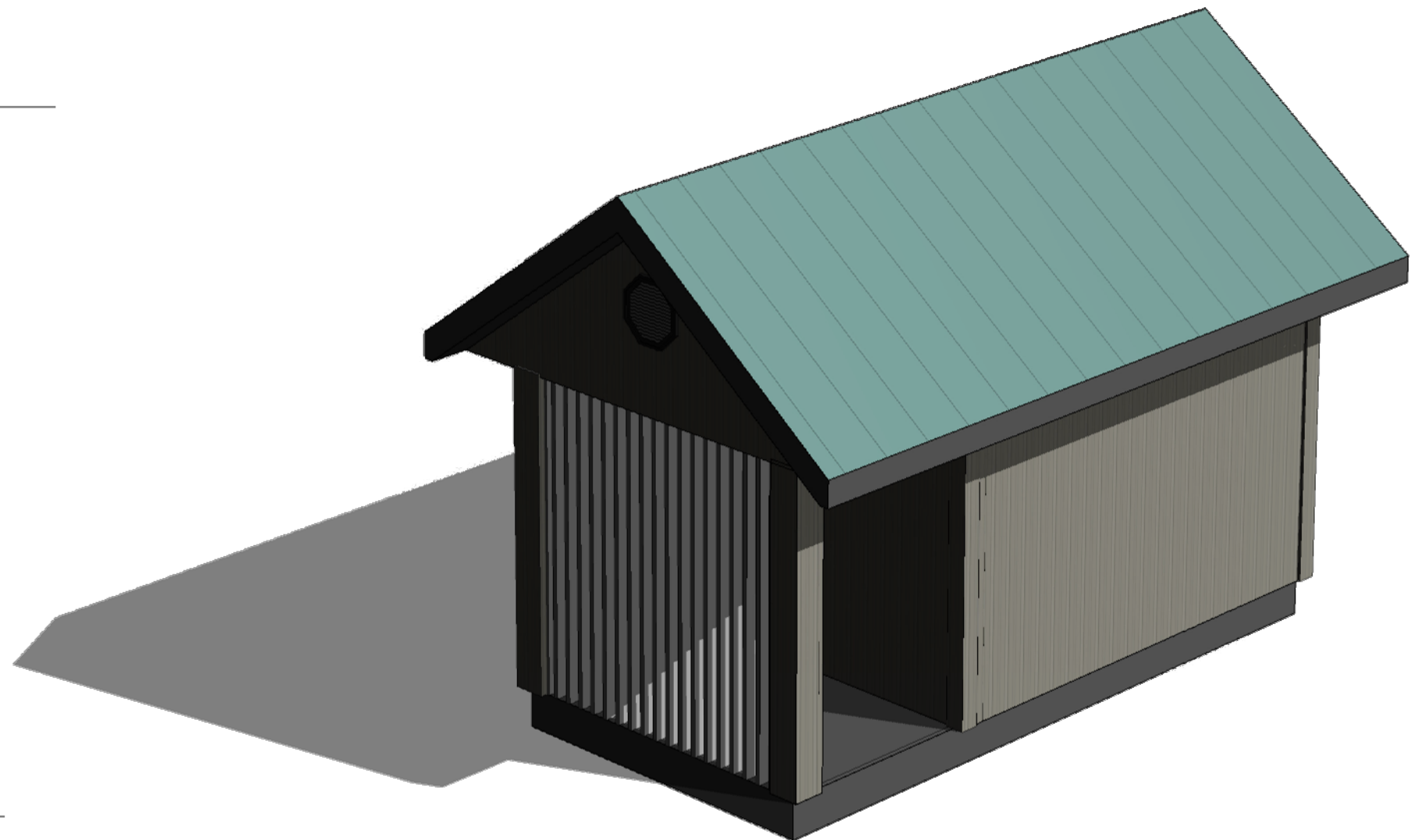
- E-01 ELECTRICAL POWER & SYSTEMS AND LIGHTING
- E-02 PANEL SCHEDULE & SINGLE LINE



① 3D View 1



② 3D View 2



③ 3D View 3

COMFORT STATION FOR WINNIPEG TRANSIT

Victor Suen Architect

3D VIEW & DRAWING LIST

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COMFORT STATION FOR WINNIPEG TRANSIT

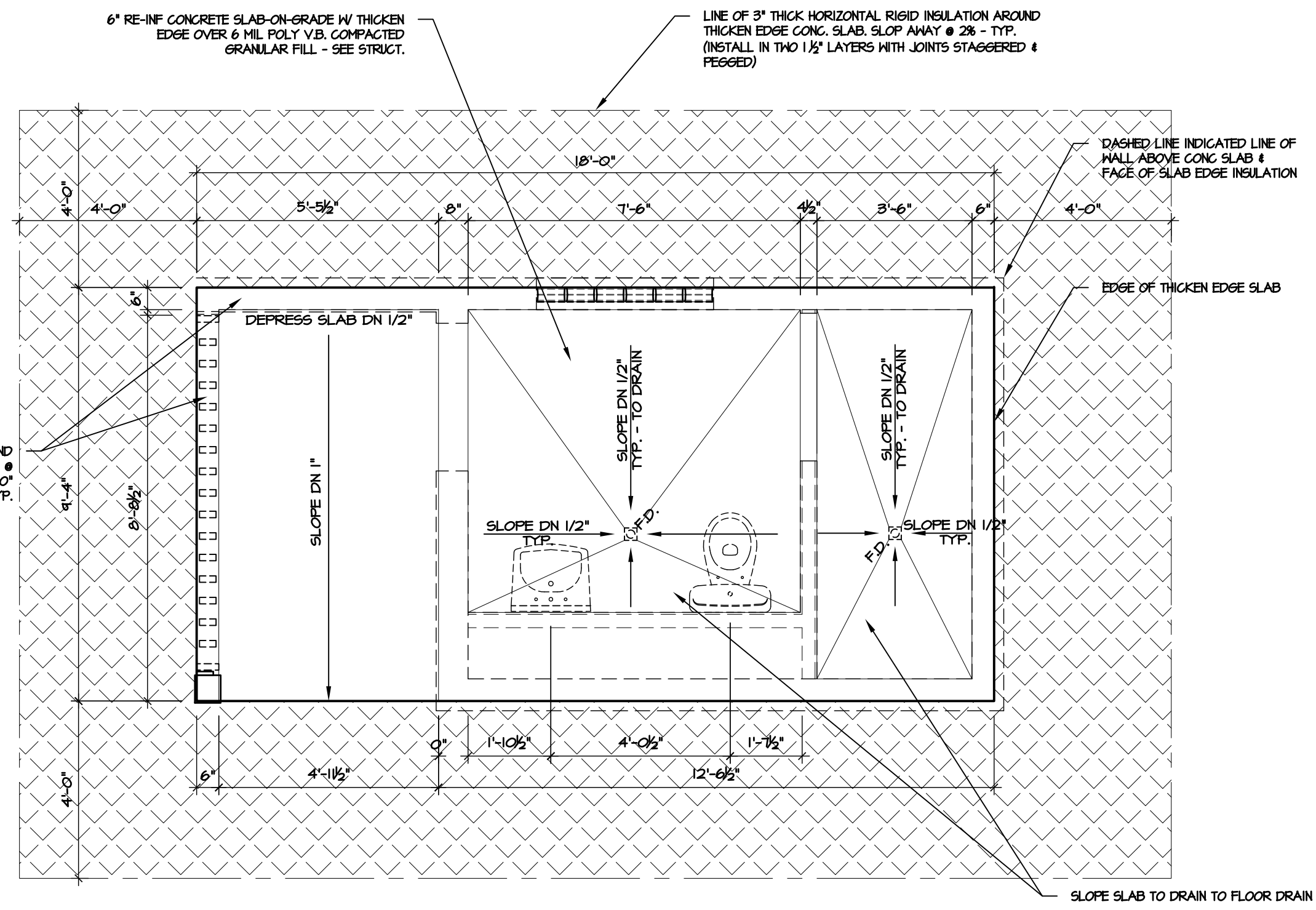
FOUNDATION / THICKEN EDGE SLAB PLAN

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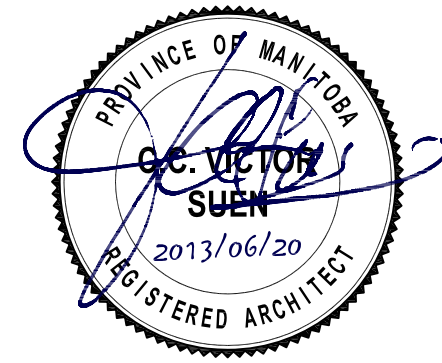
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DATE: 2013/06/20

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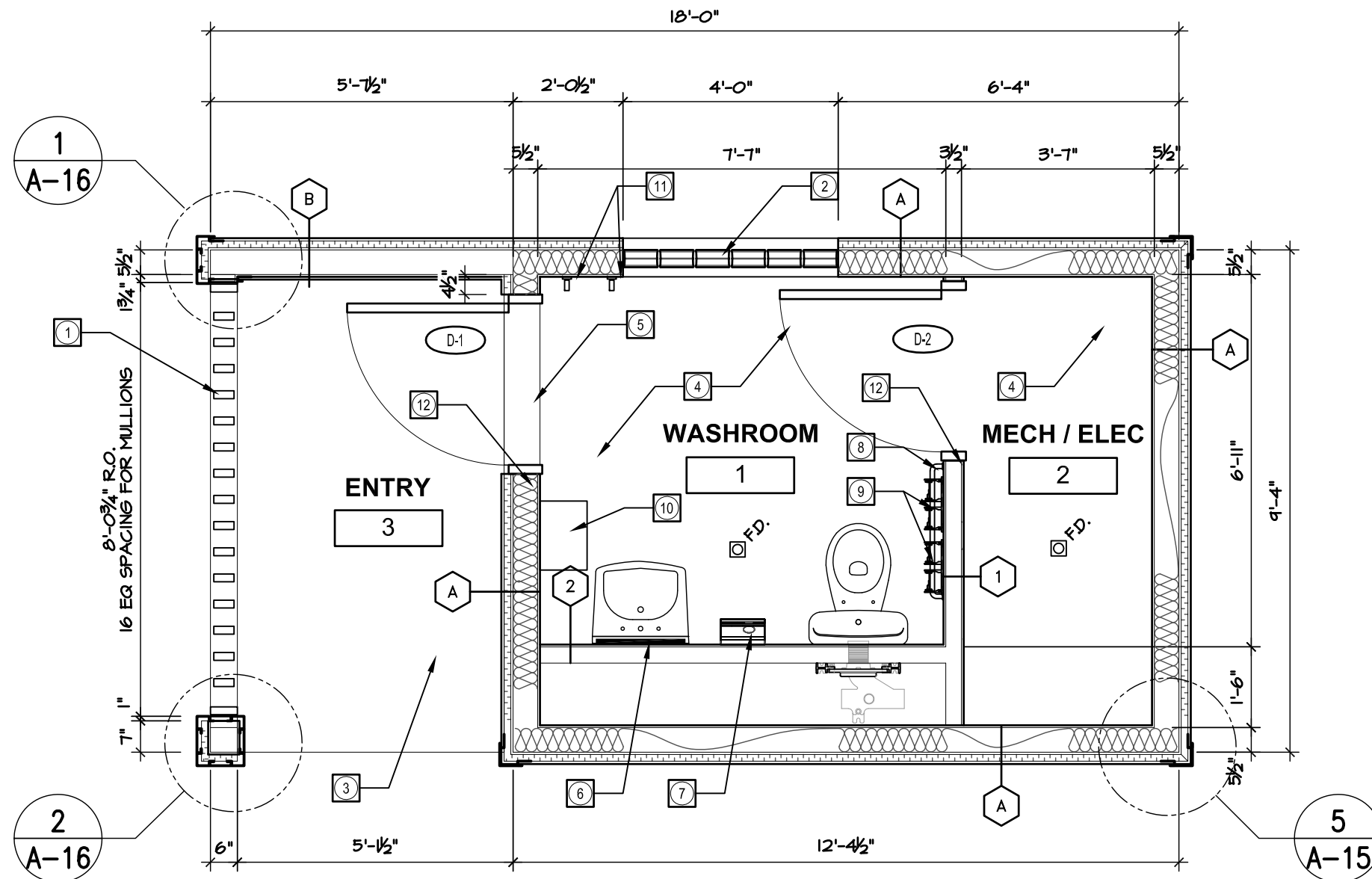
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1
A-1 FOUNDATION SLAB PLAN
SCALE 3/8" = 1'-0"



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CONSTRUCTION NOTES:

- ① CLEAR ANOD. ALUM PRIVACY SCREEN IN CLEAR ANOD ALUM FRAME
- ② LOW "E" GLASS BLOCK WINDOW - PITTSBURGH CORNING ENERGY EFFICIENT GLASS BLOCK PANEL IN ALUM FRAME & "PROVANTAGE SYSTEM"
- ③ LIGHT BROOM FINISHED CONC SLAB WITH SEALER HARDENER, SLOPE TO DRAIN.
- ④ SEAMLESS SHEET VINYL FLOORING W/ 6" FLASHCOVING.
- ⑤ ALUM THRESHOLD
- ⑥ 18" X 30" S/S MIRROR W/ SHELVE
- ⑦ HIGH SPEED HAND DRYER
- ⑧ 30" GRAB BAR
- ⑨ DOUBLE ROLLS TOILET PAPER DISPENSER
- ⑩ LINEN HAND TOWEL ROLL DISPENSER
- ⑪ HAT & COAT HOOK
- ⑫ PROVIDE ROUGH IN FOR CARD READER - SEE ELEC. (CARD READER SUPPLY & INSTALL BY OWNER)

1
A-2
GROUND FLOOR PLAN
SCALE 3/8" = 1'-0"

COMFORT STATION FOR WINNIPEG TRANSIT

GROUND FLOOR PLAN

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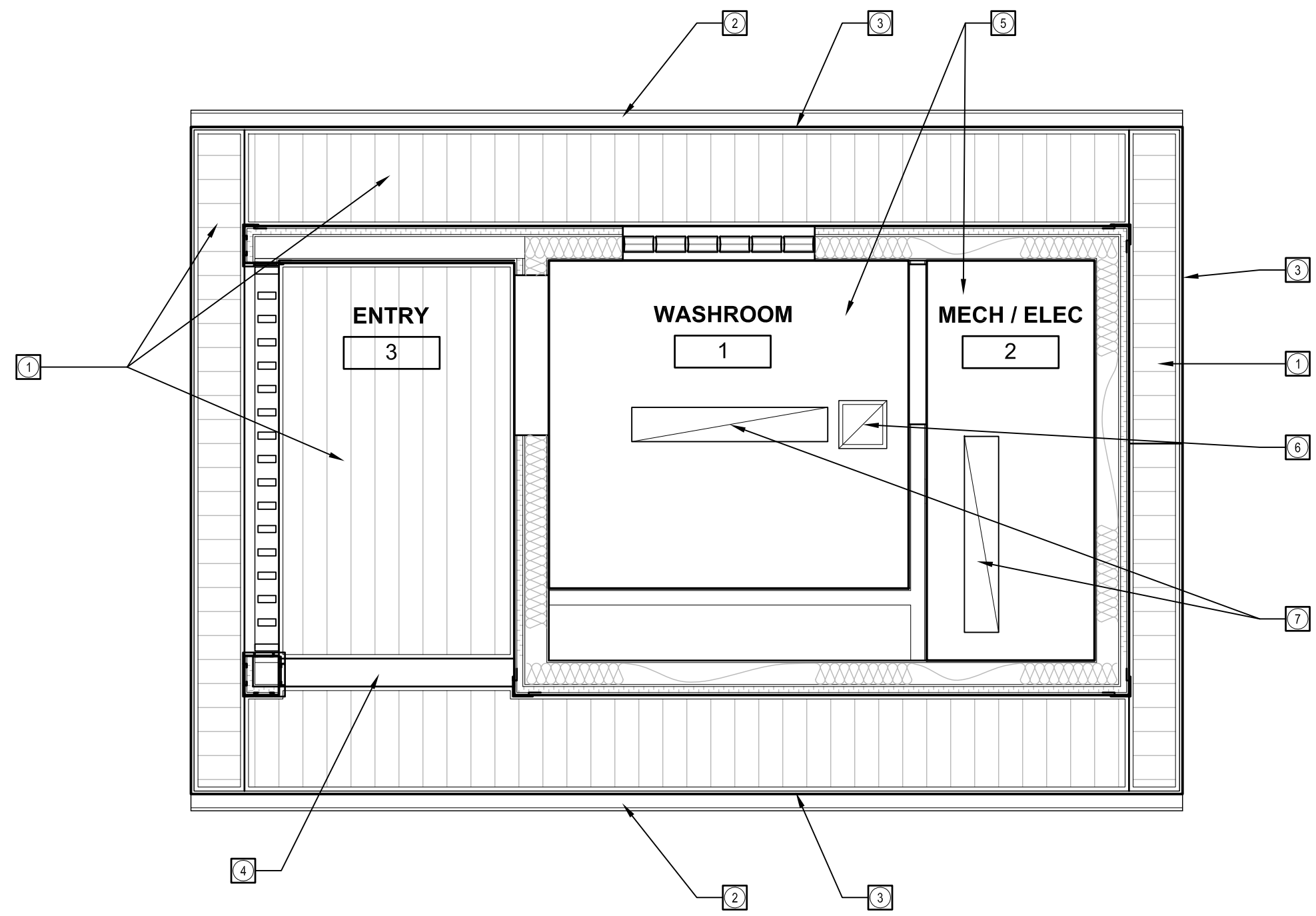
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CONSTRUCTION NOTES:

- ① PRE-FIN PERFORATED METAL SOFFIT
- ② PRE-FIN METAL EAVETROUGH
- ③ PRE-FIN METAL CLAD FASCIA W/ DRIP
- ④ PRE-FIN METAL CLAD LINTEL
- ⑤ GWB CEILING (PTD)
- ⑥ EXHAUST FAN - SEE MECH
- ⑦ LIGHT FIXTURE - SEE ELEC

1 REFLECTED CEILING PLAN
A-3 SCALE 3/8" = 1'-0"

COMFORT STATION FOR WINNIPEG TRANSIT

REFLECTED CEILING PLAN

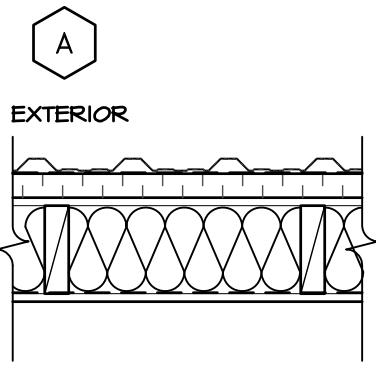
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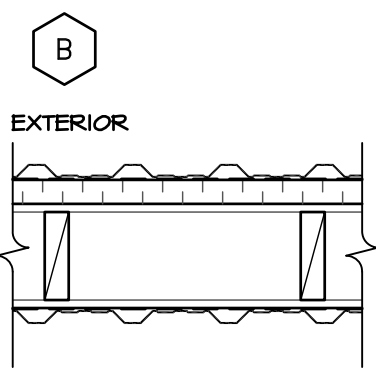
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WALL SCHEDULES

EXTERIOR WALL TYPES

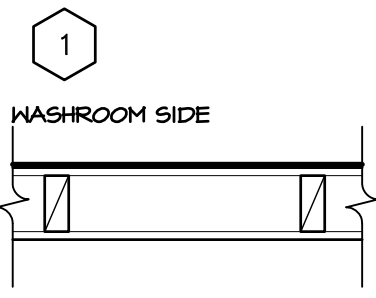


- TYPICAL EXTERIOR CONSTRUCTION:**
- PRE-FINISHED METAL CLADDING (VICWEST DIAMOND RIB)
 - TYVEK AIR BARRIER
 - 1 1/2" RIGID INSULATION W/ HORIZ P.T. STRAPPING / Z GIRTS @ 24" O.C.
 - 1/2" EXT. PLYWD SHEATHING
 - 2" x 6" WD STUDS @ 16" O.C. (SET BASE PLATE ON SILL SEAL GASKET - ETHAFOAM PLATE OR UQUAL)
 - R-20 F.G. BATT INSUL.
 - 6 MIL POLY VB
 - 1/2" GNB
 - SEMI-RIGID PVC WALL PANEL W/ WATER TIGHT TRIM JOINTS (ALTRO WHITEROCK OR EQUAL) (SEE 1/A-14 FOR PANEL TO COVE BASE DETAIL)

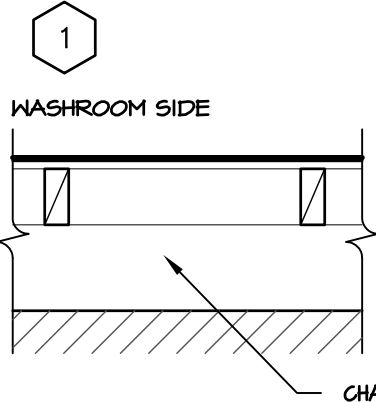


- TYPICAL SOLID SCREEN WALL CONSTRUCTION:**
- PRE-FINISHED METAL CLADDING (VICWEST DIAMOND RIB)
 - TYVEK AIR BARRIER
 - 1 1/2" RIGID INSULATION W/ HORIZ P.T. STRAPPING / Z GIRTS @ 24" O.C.
 - 1/2" EXT. PLYWD SHEATHING
 - 2" x 6" WD STUDS @ 16" O.C.
 - 1/2" EXT. PLYWD SHEATHING
 - TYVEK AIR BARRIER
 - PRE-FINISHED METAL CLADDING (VICWEST DIAMOND RIB)

INTERIOR WALL TYPES

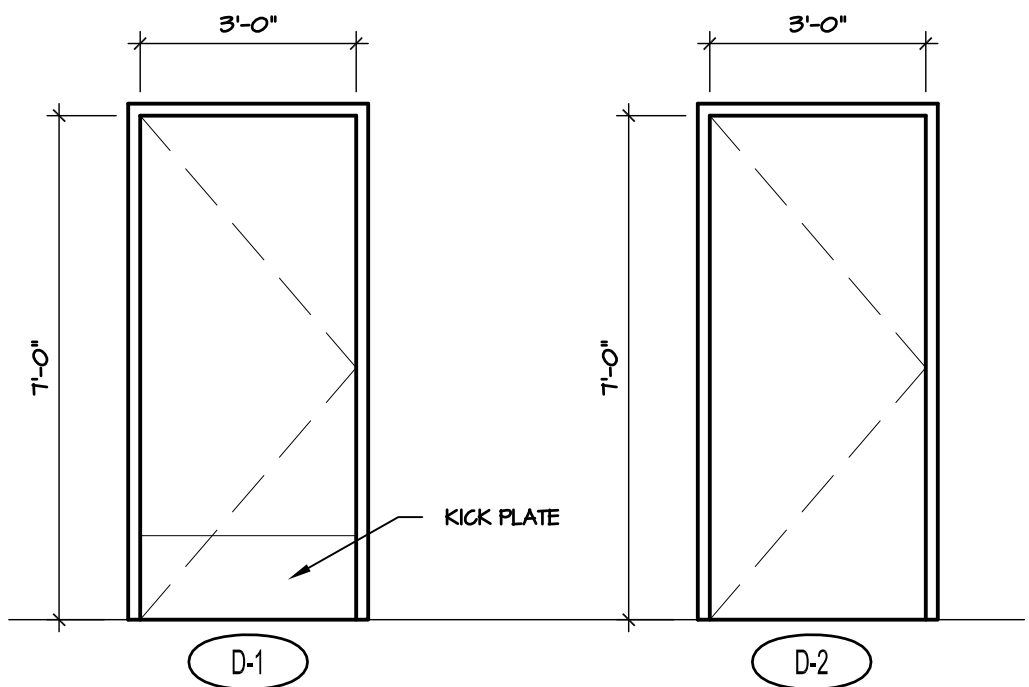


- INTERIOR MECH ROOM WALL CONSTRUCTION:**
- SEMI-RIGID PVC WALL PANEL W/ WATER TIGHT TRIM JOINTS (ALTRO WHITEROCK OR EQUAL) - WASHROOM SIDE
 - 1/2" GNB.
 - 2" x 4" WD STUDS @ 16" O.C.
 - 1/2" MR GNB - MECH ROOM SIDE



- PLUMBING CHASE WALL CONSTRUCTION:**
- SEMI-RIGID PVC WALL PANEL W/ WATER TIGHT TRIM JOINTS (ALTRO WHITEROCK OR EQUAL) - WASHROOM SIDE
 - 1/2" GNB.
 - 2" x 4" WD STUDS @ 16" O.C.
 - PLUMBING CHASE SPACE (PROVIDE VENTING OF CHASE SPACE - SEE MECH.)

DOOR SCHEDULE



D-1
 1 3/4" x 36" x 84" INSULATED HM DOOR W/ POLYURETHANE CORE; WELDED HM FRAME, FOAM FILLED.
 PROVIDE ROUGH IN FOR OWNER SUPPLIED ELEC STRIKE & CARD READER

D-2
 1 3/4" x 36" x 84" HM DOOR; WELDED HM FRAME
 PROVIDE ROUGH IN FOR OWNER SUPPLIED ELEC STRIKE & CARD READER

HARDWARE SET

SET #1.0 - Door: D-1

3 Hinge	TA2314 NRP 114mm x 102mm	US26D	MK
1 Storeroom Lock	L9080L 42B	630	SCH
1 Mortise Lock	L496L	630	SCH
	(Mortise Deadbolt with "OCCUPIED" Indicator)		
1 Electric Strike	(Supplied and installed by owner)	US32D	VD
1 Door Closer	1431 P9	EN	SA
2 Kickplate	K1050 12"	US32D	RO
1 Door Stop	471 EXP	US26D	RO
1 Threshold	171A		PE
1 Gasketing	315CN		PE
1 Gasketing	2891AS		PE
2 Gasketing	316AS		PE
1 Door Contact	(Supplied and installed by owner)		
1 Siren Strobe	(Supplied and installed by owner)		
1 Panic Button	(Supplied and installed by owner)		
1 Card Reader	(Supplied and installed by owner)		

NOTE: Door and frame to be prepared for owner supplied and installed items. Final BEST core by owner.

SET #2.0 - Door: D-2

3 Hinge	TA2714 NRP 114mm x 102mm	US26D	MK
1 Storeroom Lock	L9080L 42B	630	SCH
1 Electric Strike	(Supplied and installed by owner)	US32D	VD
1 Door Closer (surface)	1130 RU	EN	SA
1 Door Stop	441H	US26D	RO
1 Door Contact	(Supplied and installed by owner)		00
1 Card Reader	(Supplied and installed by owner)		HD

NOTE: Door and frame to be prepared for owner supplied and installed items. Final BEST core by owner.



COMFORT STATION FOR WINNIPEG TRANSIT

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SCHEDULES

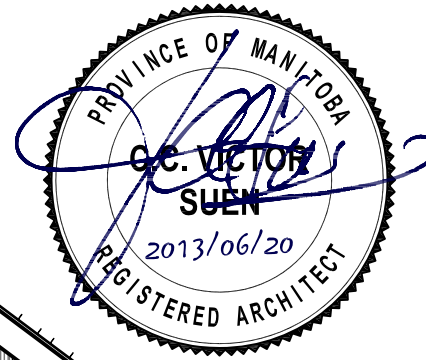
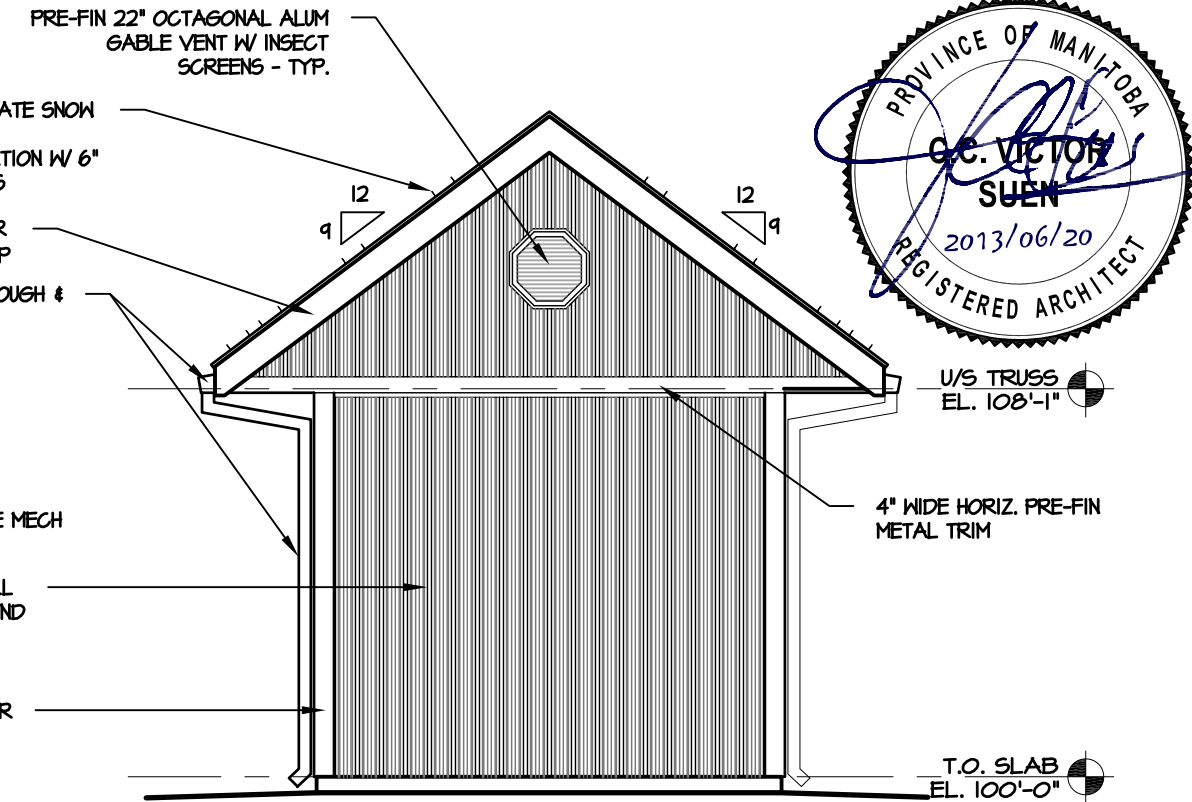
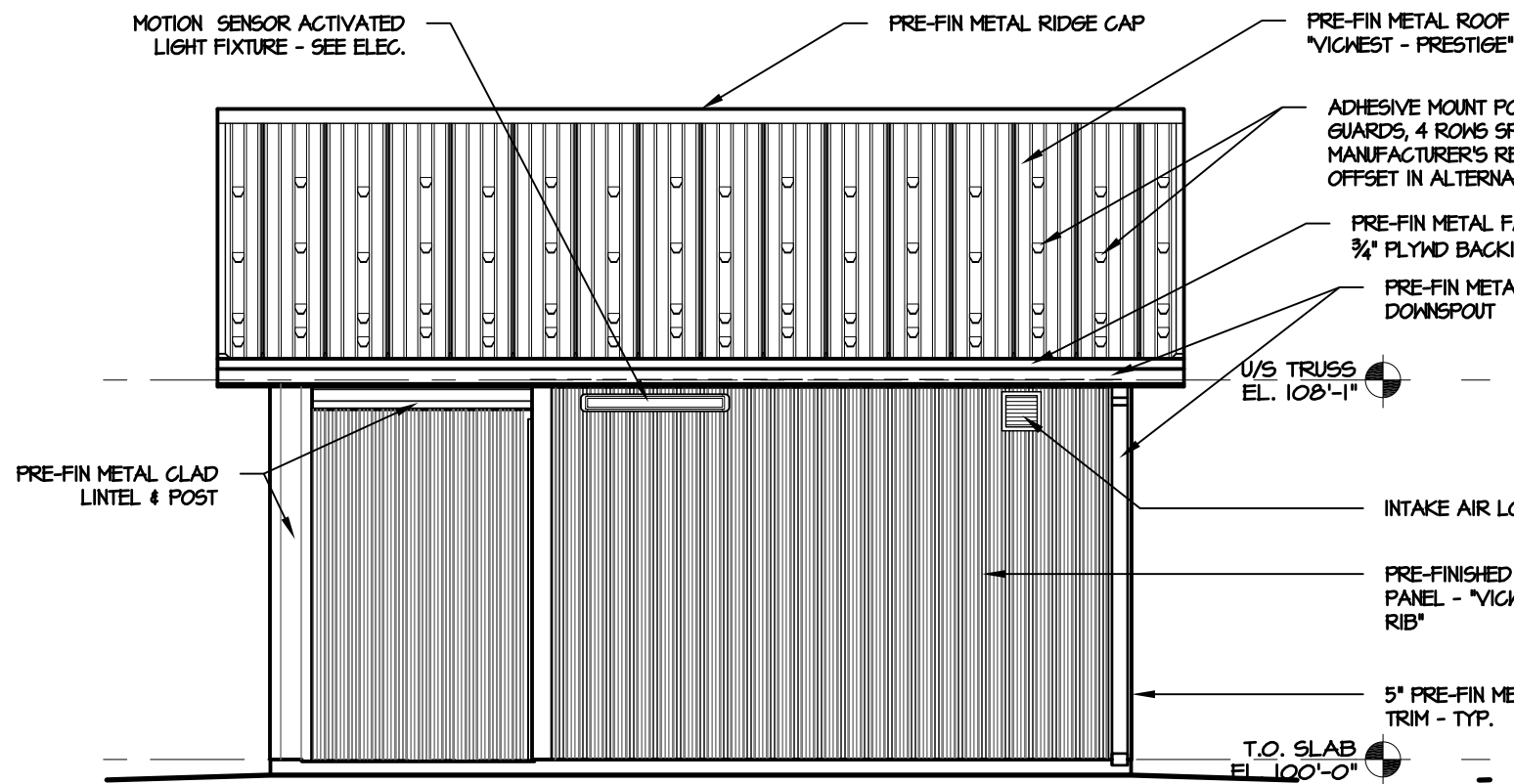
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A-4

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SCALE: 1" = 1'-0"
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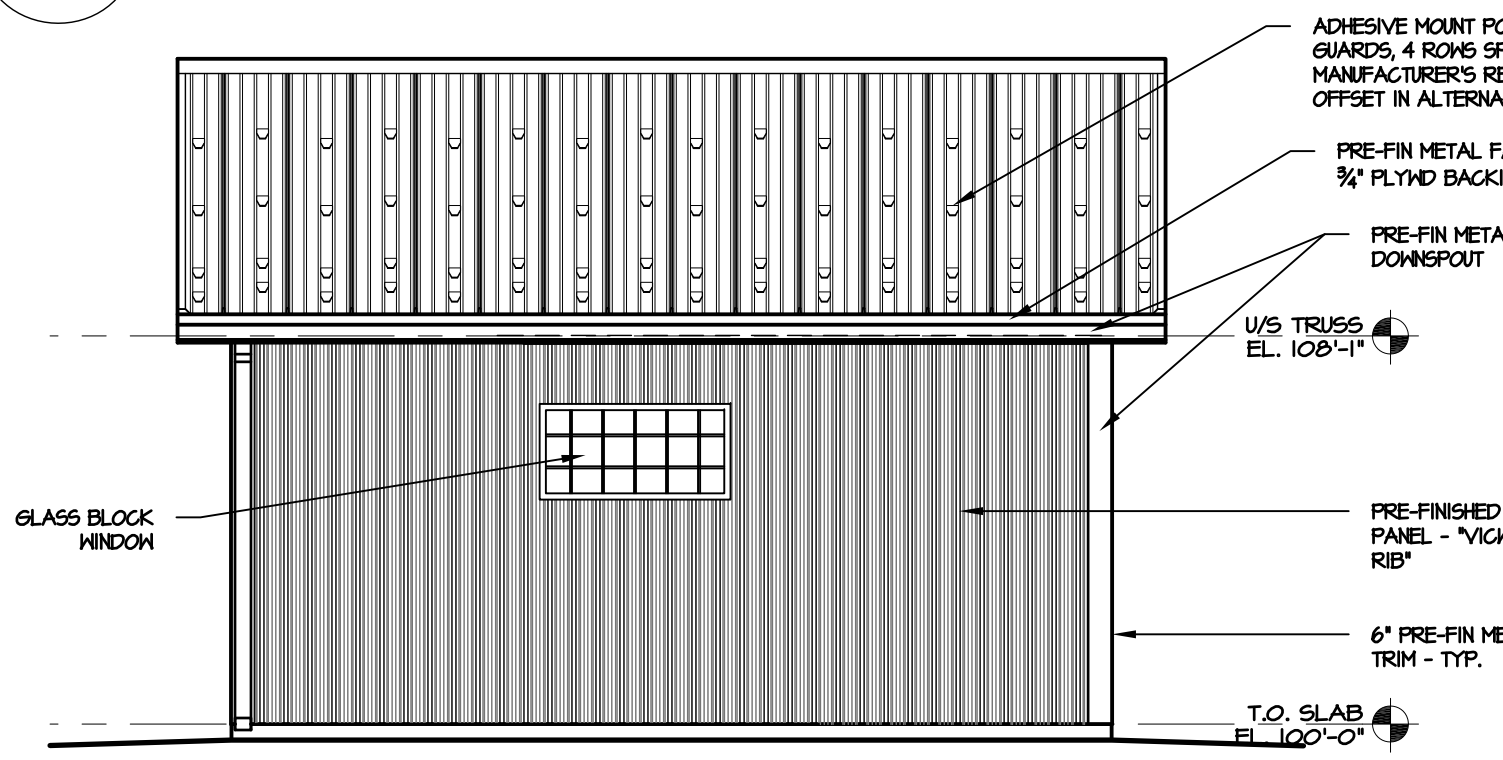


1 SOUTH ELEVATION

A-5 SCALE 1/4" = 1'-0"

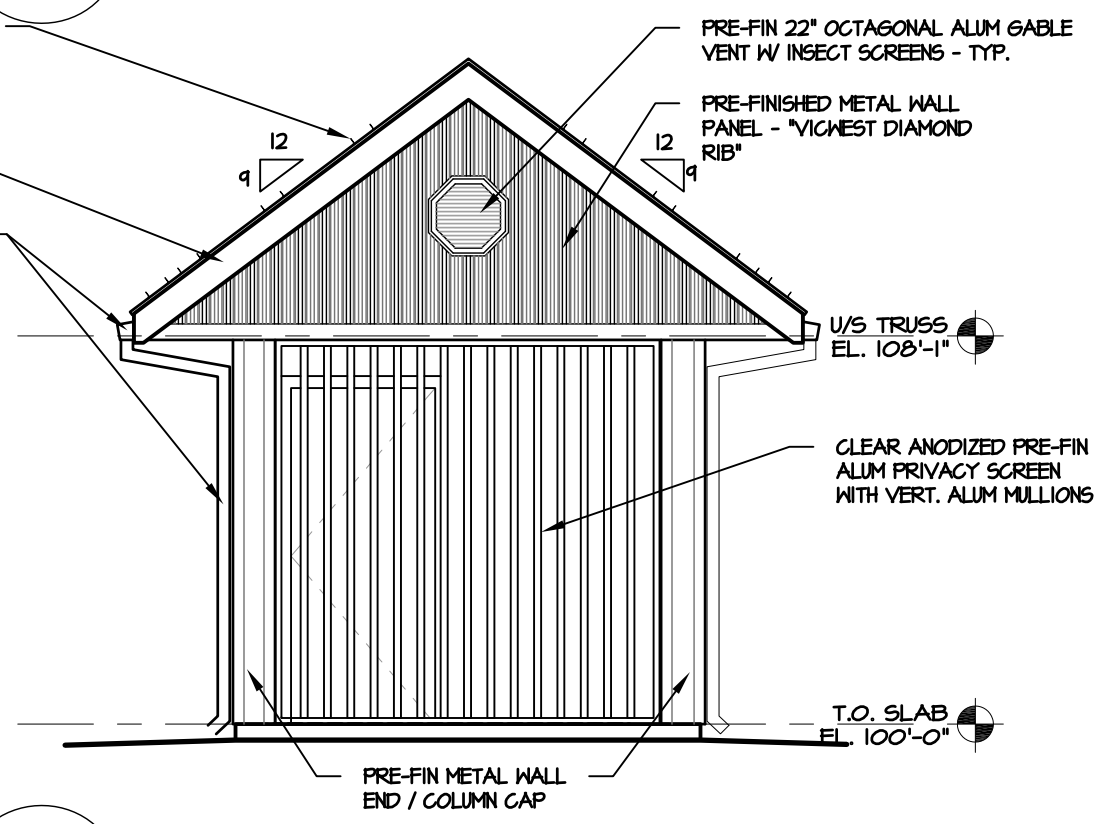
2 EAST ELEVATION

A-5 SCALE 1/4" = 1'-0"



3 NORTH ELEVATION

A-5 SCALE 1/4" = 1'-0"



4 WEST ELEVATION

A-5 SCALE 1/4" = 1'-0"

COMFORT STATION FOR WINNIPEG TRANSIT

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A-5

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BUILDING ELEVATIONS

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SCALE: 1/4" = 1'-0"
DATE: 2013/06/20

OFFSET SNOW GUARDS 6" BETWEEN ALTERNATE VALLEYS - TYP

ADHESIVE MOUNT POLYCARBONATE SNOW GUARDS, 4 ROWS SPACED PER MANUFACTURER'S RECOMMENDATION.

GWB CEILING & VB TO EXTEND INTO CHASE SPACE

PRE-FIN METAL EAVESTROUGH & DOWNSPOUT

PRE-FIN METAL FASCIA W/ DRIP OVER 3/4" EXT. PLYND FASCIA

PRE-FIN PERFORATED METAL SOFFIT W/ ALL ACCESSORIES & TRIM REQUIRED. PROVIDE STRAPPING AS NECESSARY - TYP.

TYPICAL EXTERIOR CONSTRUCTION:

- PRE-FINISHED METAL CLADDING (VICWEST DIAMOND RIB)
- TYVEK AIR BARRIER
- 1 1/2" RIGID INSULATION W/ HORIZ STRAPPING / Z GIRT @ 24" O.C.
- 1/2" EXT. PLYND SHEATHING
- 2" x 6" WD STUDS @ 16" O.C.
- R-20 F.G. BATT INSUL.
- 6 MIL POLY VB
- 1/2" GWB
- FURRED CHASE SPACE
- 2" x 4" STUDS @ 16" O.C.
- 1/2" GWB
- SEMI-RIGID PVC WALL PANEL W/ WATER TIGHT TRIM JOINTS (ALTRO WHITEROCK OR EQUAL)

PRE-FIN METAL DRIP CAP

TYPICAL - SLOPE GRADE AWAY FROM BUILDING

HI-SPEED HAND DRYER

WALL HUNG LAVATORY - SEE MECH.

SHEET VINYL FLASHCOVING - TYP.

LINEN ROLLER TOWEL DISPENSER

PRE-FIN METAL RIDGE CAP C/M METAL & FOAM CLOSURE

TYP. ROOF CONSTRUCTION:
PRE-FIN METAL ROOF - (VICWEST - PRESTIGE)
BITUTHENE MEMBRANE
1/2" EXT PLYND DECK W/ H CLIPS
PRE-FAB WOOD TRUSSES
R-30 BATT INSULATION
6 MIL POLY VB
1/2" GWB CEILING

PROVIDE INSULATION STOP - TYP.

PROVIDE FOAM CLOSURE STRIP & ALL ACCESSORIES & TRIM

U/S TRUSS EL. 108'-1"

TYPICAL WINDOW OPENING NOTE
WRAP COMPLETE ROUGH OPENING W/ BITUTHENE OR COMPATIBLE MEMBRANE & TIE INTO WALL VB AND AIR BARRIER

PRE-FIN METAL JAMB & HEAD TRIM - SEE DETAIL

LOW "E" PRIVACY GLASS BLOCK WINDOW IN ALUM FRAME WITH "PITTSBURGH PROVANTAGE SYSTEM"

PRE-FIN METAL SILL W/ DRIP & END DAMS - SEE DETAIL

CEMENT PARGING ON GALV. EXPANDED METAL LATH OVER 2" RIGID INSULATION AROUND FULL DEPTH OF THICKEN EDGE SLAB - TYP.

12" MIN SOIL COVER

T.O. SLAB EL. 100'-0"

3" HORIZONTAL RIGID INSULATION EXTENSION AROUND CONCRETE SLAB (INSTALL IN TWO LAYERS W/ JOINTS STAGGERED) - TYPICAL SLOPE TO DRAIN



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COMFORT STATION FOR WINNIPEG TRANSIT

BUILDING SECTION

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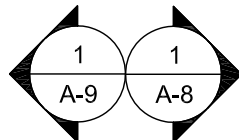
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A-6
BLDG SECTION 1-1
SCALE 1/2" = 1'-0"

OFFSET SNOW GUARDS 6" BETWEEN ALTERNATE VALLEYS - TYP

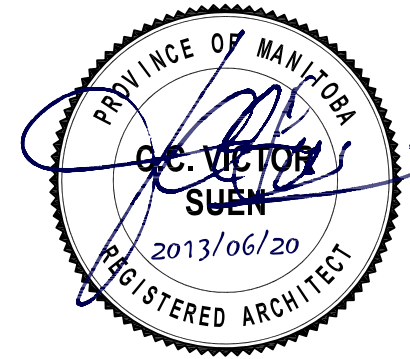
ADHESIVE MOUNT POLYCARBONATE SNOW GUARDS, 4 ROWS SPACED PER MANUFACTURER'S RECOMMENDATION.

TYP. ROOF CONSTRUCTION:
 PRE-FIN METAL ROOF - (VICWEST - PRESTIGE)
 BITUTHENE MEMBRANE
 1/2" EXT PLYWD DECK W/ H CLIPS
 PRE-FAB WOOD TRUSSES
 R-30 BATT INSULATION
 6 MIL POLY VB
 1/2" GNB CEILING

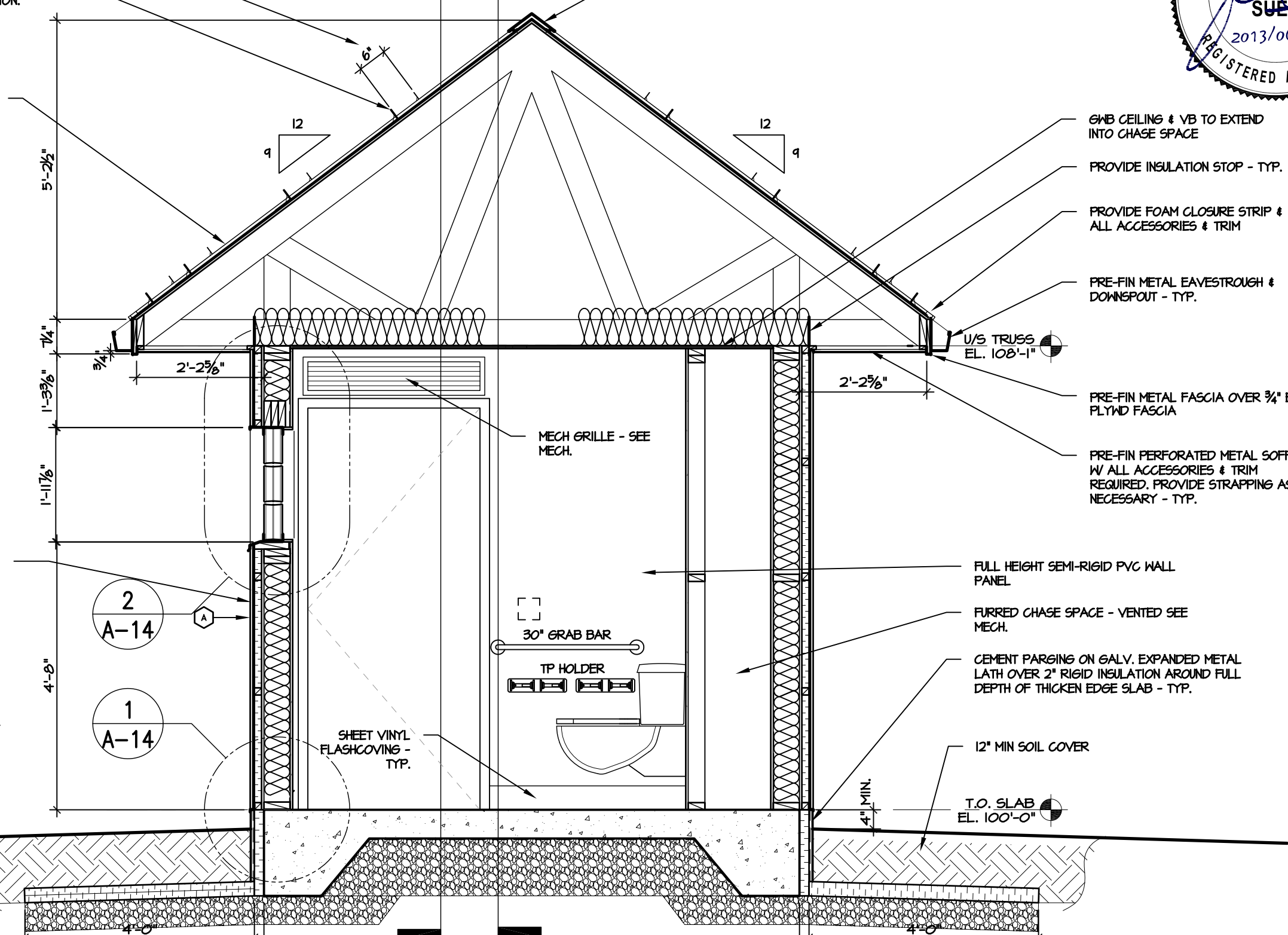
TYPICAL EXTERIOR CONSTRUCTION:
 - PRE-FINISHED METAL CLADDING (VICWEST DIAMOND RIB)
 - TYVEK AIR BARRIER
 - 1 1/2" RIGID INSULATION W/ HORIZ STRAPPING / Z GIRT @ 24" O.C.
 - 1/2" EXT. PLYWD SHEATHING
 - 2" x 6" WD STUDS @ 16" O.C.
 - R-20 F.G. BATT INSUL.
 - 6 MIL POLY VB
 - 1/2" GNB
 - SEMI-RIGID PVC WALL PANEL W/ WATER TIGHT TRIM JOINTS (ALTRO WHITEROCK)



PRE-FIN METAL RIDGE CAP C/M METAL & FOAM CLOSURE



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GNB CEILING & VB TO EXTEND INTO CHASE SPACE
 PROVIDE INSULATION STOP - TYP.
 PROVIDE FOAM CLOSURE STRIP & ALL ACCESSORIES & TRIM
 PRE-FIN METAL EAVESTROUGH & DOWNSPOUT - TYP.
 U/S TRUSS EL. 108'-1"
 PRE-FIN METAL FASCIA OVER 3/4" EXT. PLYWD FASCIA
 PRE-FIN PERFORATED METAL SOFFIT W/ ALL ACCESSORIES & TRIM REQUIRED. PROVIDE STRAPPING AS NECESSARY - TYP.

FULL HEIGHT SEMI-RIGID PVC WALL PANEL
 FURRED CHASE SPACE - VENTED SEE MECH.
 CEMENT PARGING ON GALV. EXPANDED METAL LATH OVER 2" RIGID INSULATION AROUND FULL DEPTH OF THICKEN EDGE SLAB - TYP.
 12" MIN SOIL COVER
 T.O. SLAB EL. 100'-0"

1
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BLDG SECTION 2-2
SCALE 1/2" = 1'-0"

COMFORT STATION FOR WINNIPEG TRANSIT

BUILDING SECTION

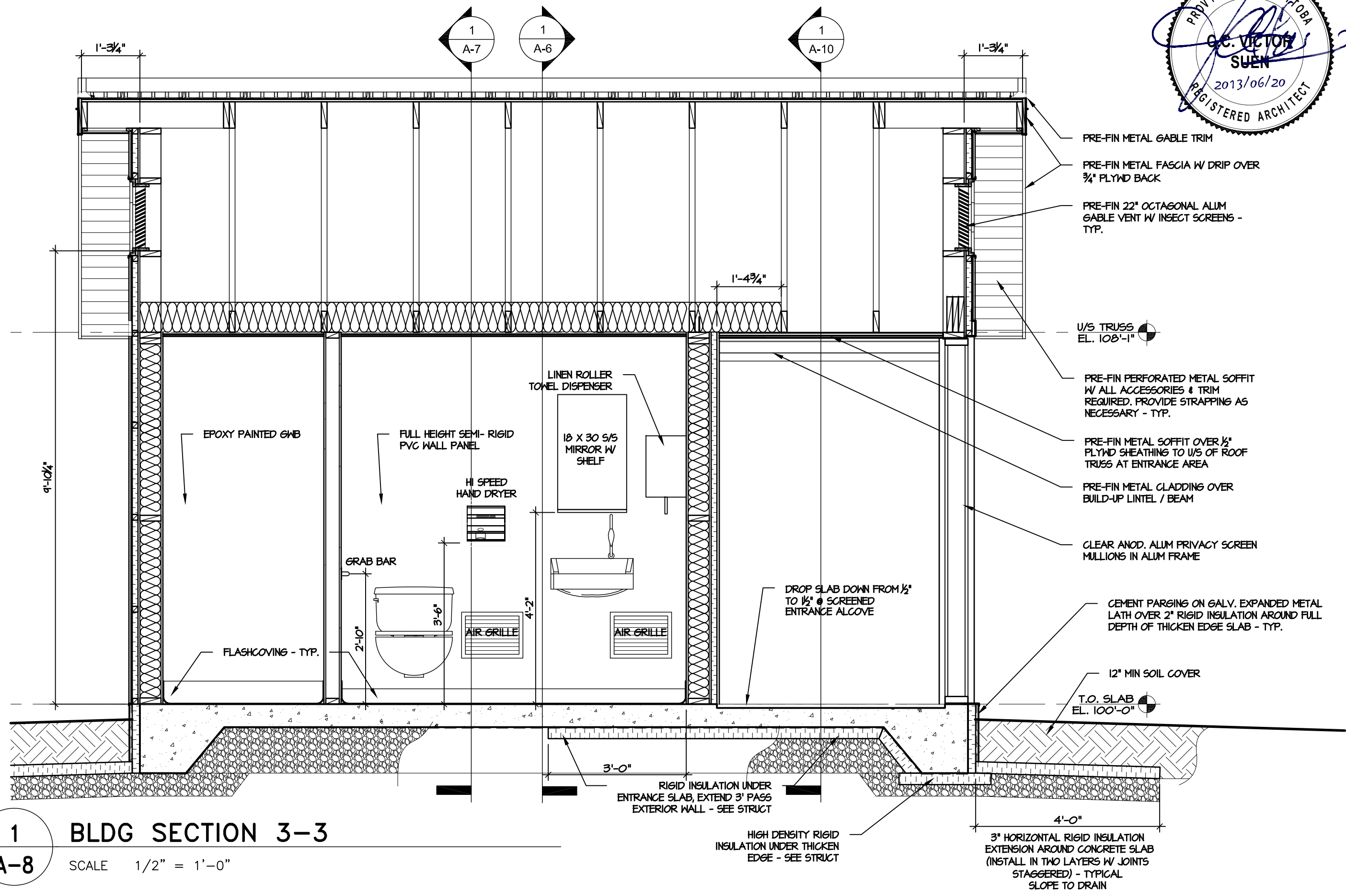
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COMFORT STATION FOR WINNIPEG TRANSIT

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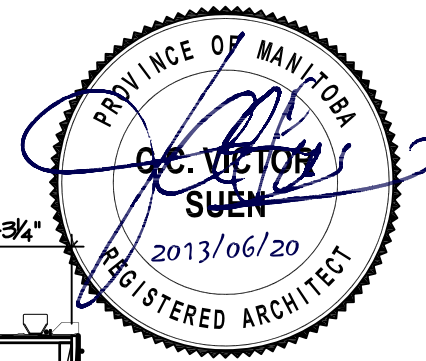
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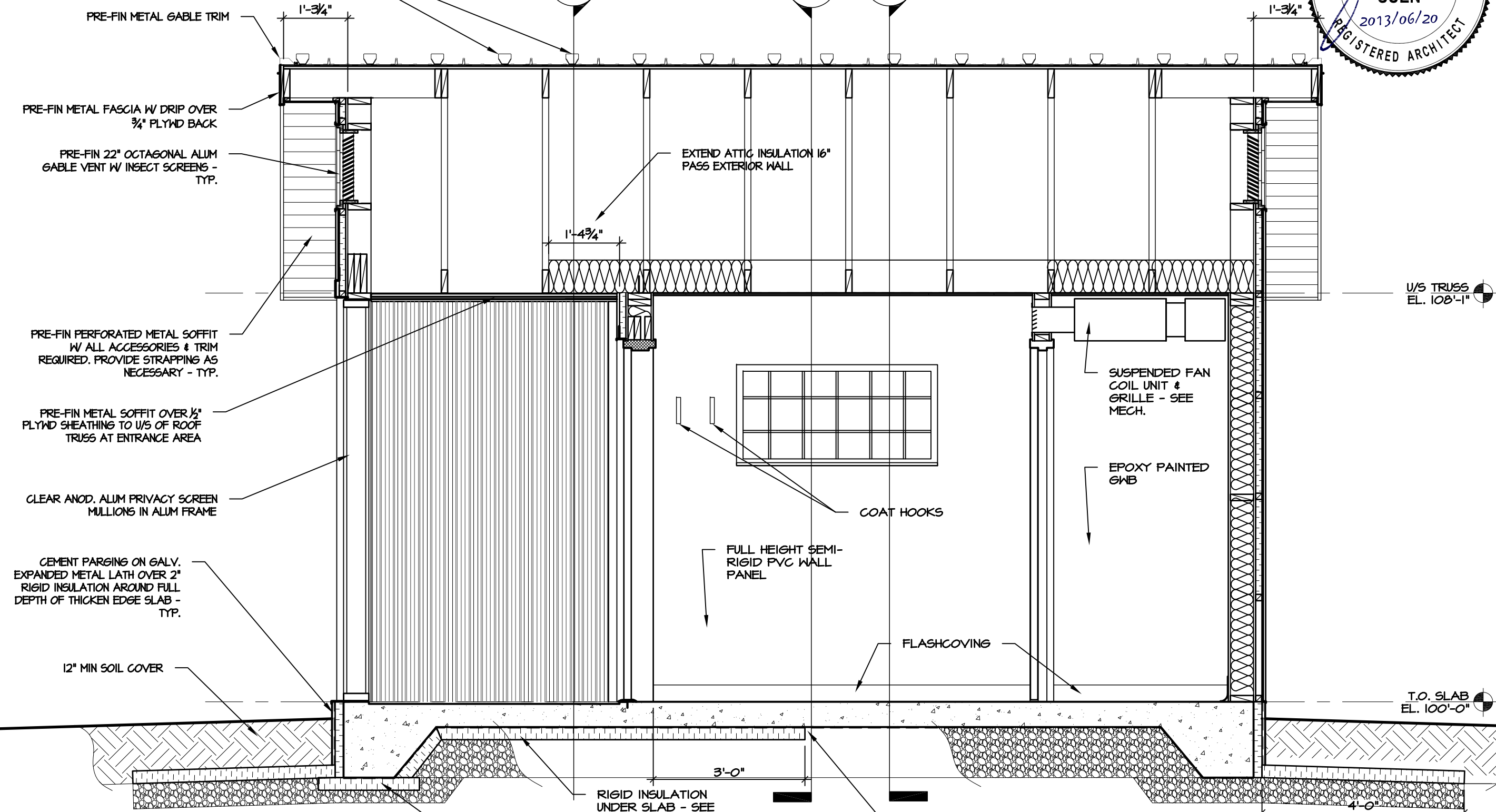
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1 BLDG SECTION 3-3
A-8 SCALE 1/2" = 1'-0"

ADHESIVE MOUNT POLYCARBONATE SNOW GUARDS, 4 ROWS SPACED PER MANUFACTURER'S RECOMMENDATION. OFFSET 6" BETWEEN ALTERNATE VALLEYS - TYP.



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1
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BLDG SECTION 4-4
SCALE 1/2" = 1'-0"

HIGH DENSITY RIGID INSULATION UNDER THICKEN EDGE - SEE STRUCT

SEE STRUCT FOR DROP OF BOTTOM OF SLAB TO ACCOUNT FOR DROP OF ENTRANCE SLAB

3" HORIZONTAL RIGID INSULATION EXTENSION AROUND CONCRETE SLAB (INSTALL IN TWO LAYERS W/ JOINTS STAGGERED) - TYPICAL SLOPE TO DRAIN

COMFORT STATION FOR WINNIPEG TRANSIT

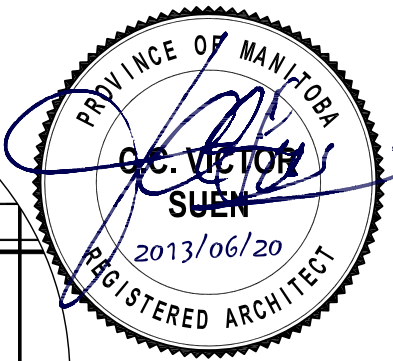
BUILDING SECTION

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TYP. ROOF CONSTRUCTION:
 PRE-FIN METAL ROOF - (VICWEST - ULTRAVIC)
 BITUTHENE MEMBRANE
 1/2" EXT PLYWD DECK W/ H CLIPS
 PRE-FAB WOOD TRUSSES
 R-30 BATT INSULATION
 6 MIL POLY VB
 1/2" GWB CEILING

PRE-FIN METAL EAVESTROUGH & DOWNSPOUT

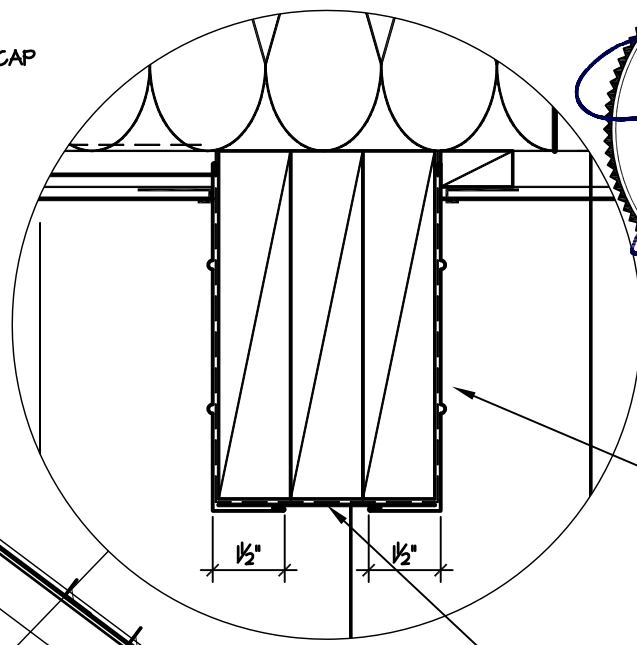
SCREEN WALL CONSTRUCTION - WALL TYPE B:
 - PRE-FINISHED METAL CLADDING (VICWEST DIAMOND RIB)
 - TYVEK AIR BARRIER
 - 1 1/2" RIGID INSULATION W/ HORIZ P.T. STRAPPING / Z GIRT @ 24" O.C.
 - 1/2" EXT. PLYWD SHEATHING
 - 2" x 6" WD STUDS @ 16" O.C.
 - 1/2" EXT. PLYWD SHEATHING
 - TYVEK AIR BARRIER
 - PRE-FINISHED METAL CLADDING (VICWEST DIAMOND RIB)

PRE-FIN METAL DRIP CAP

CEMENT PARGING ON GALV. EXPANDED METAL LATH OVER 2" RIGID INSULATION AROUND FULL DEPTH OF THICKEN EDGE SLAB - TYP.

12" MIN SOIL COVER

PRE-FIN METAL RIDGE CAP



PRE-FIN METAL CLADDING W/ HORIZ MINOR RIBS OVER LINTEL

PRE-FIN METAL FLAT STOCK AT BOTTOM OF LINTEL

U/S TRUSS
EL. 108'-1"

PRE-FIN PERFORATED METAL SOFFIT W/ ALL ACCESSORIES & TRIM REQUIRED. PROVIDE STRAPPING AS NECESSARY - TYP.

PRE-FIN METAL ANGLE FLASHING CLADDING OVER BUILD-UP WD BEAM

PRE-FIN METAL SOFFIT OVER 1/2" PLYWD SHEATHING TO U/S OF ROOF TRUSS AT ENTRANCE AREA

PRE-FIN 5" x 5" METAL CORNER TRIM

SLOPE ENTRANCE SLAB DOWN 1" TOWARDS SIDEWALK

CONC. / ASPHALT SIDEWALK PER SITE CONDITION.

T.O. SLAB
EL. 100'-0"

HIGH DENSITY RIGID INSULATION UNDER THICKEN EDGE - SEE STRUCT

3" HORIZONTAL RIGID INSULATION EXTENSION AROUND CONCRETE SLAB (INSTALL IN TWO LAYERS W/ JOINTS STAGGERED) - TYPICAL SLOPE TO DRAIN

COMFORT STATION FOR WINNIPEG TRANSIT

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SCALE: 1/2" = 1'-0"
DATE: 2013/06/20

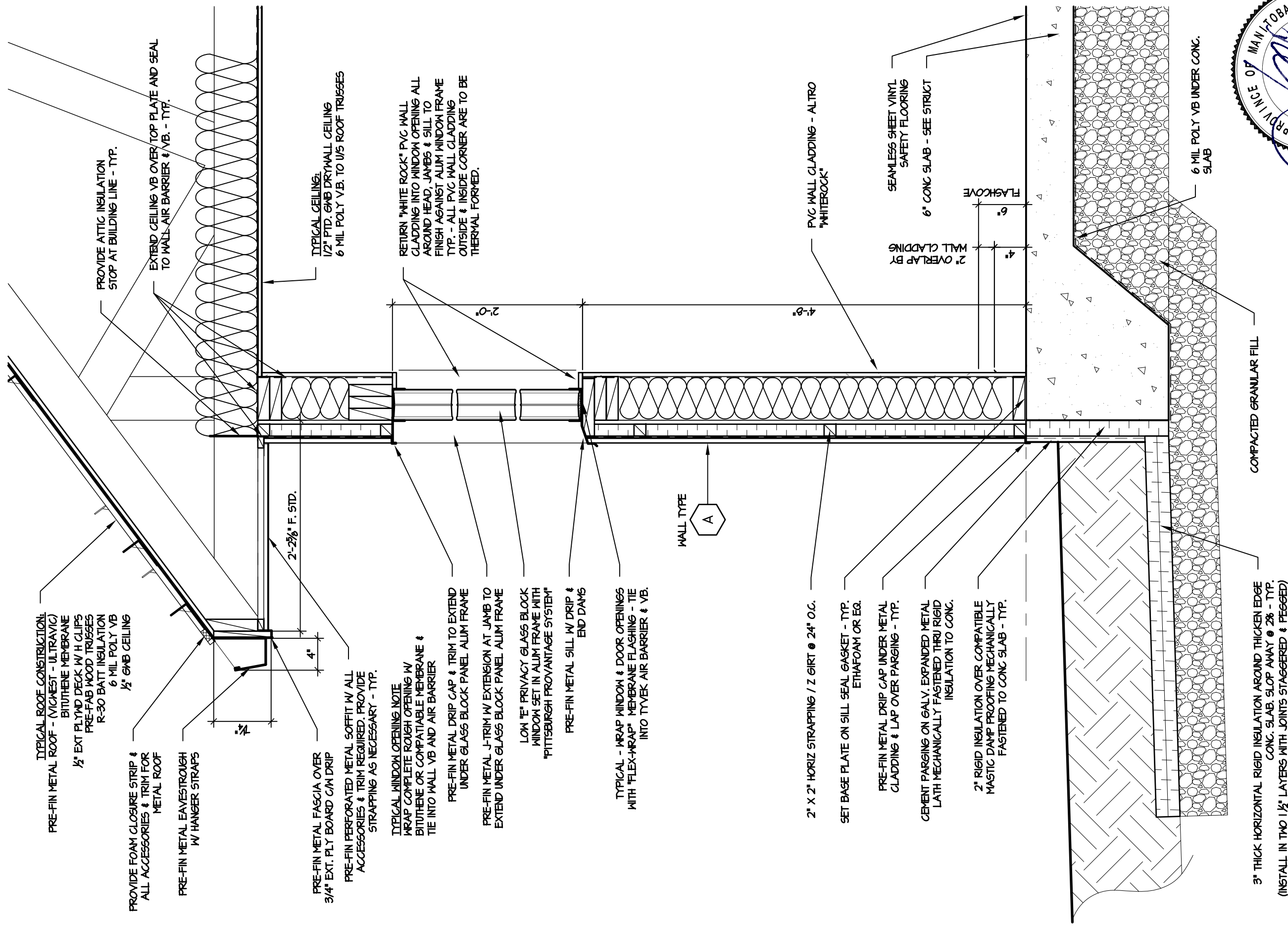
Victor Suen Architect

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1
A-10

BLDG SECTION 5-5

SCALE 1/2" = 1'-0"



TYPICAL ROOF CONSTRUCTION:
 PRE-FIN METAL ROOF - (VICWEST - ULTRAVIC)
 BITUTHENE MEMBRANE
 1/2" EXT PLYND DECK W/ H CLIPS
 PRE-FAB WOOD TRUSSES
 R-30 BATT INSULATION
 6 MIL POLY VB
 1/2" GMB CEILING

PROVIDE FOAM CLOSURE STRIP & ALL ACCESSORIES & TRIM FOR METAL ROOF

PRE-FIN METAL EAVESTROUGH W/ HANGER STRAPS

PRE-FIN METAL FASCIA OVER 3/4" EXT. PLY BOARD G/M DRIP

PRE-FIN PERFORATED METAL SOFFIT W/ ALL ACCESSORIES & TRIM REQUIRED. PROVIDE STRAPPING AS NECESSARY - TYP.

TYPICAL WINDOW OPENING NOTE
 WRAP COMPLETE ROUGH OPENING W/ BITUTHENE OR COMPATIBLE MEMBRANE & TIE INTO WALL VB AND AIR BARRIER

PRE-FIN METAL DRIP CAP & TRIM TO EXTEND UNDER GLASS BLOCK PANEL ALUM FRAME

PRE-FIN METAL J-TRIM W/ EXTENSION AT JAMB TO EXTEND UNDER GLASS BLOCK PANEL ALUM FRAME

LOW "E" PRIVACY GLASS BLOCK WINDOW SET IN ALUM FRAME WITH "PITTSBURGH PROVA NTAGE SYSTEM"

PRE-FIN METAL SILL W/ DRIP & END DAWNS

TYPICAL - WRAP WINDOW & DOOR OPENINGS WITH "FLEX-WRAP" MEMBRANE FLASHING - TIE INTO TYVEK AIR BARRIER & VB.

2" X 2" HORIZ STRAPPING / Z GIRT @ 24" O.C.

SET BASE PLATE ON SILL SEAL GASKET - TYP. ETHAFOAM OR EG.

PRE-FIN METAL DRIP CAP UNDER METAL CLADDING & LAP OVER PARGING - TYP.

CEMENT PARGING ON GALV. EXPANDED METAL LATH MECHANICALLY FASTENED THRU RIGID INSULATION TO CONG.

2" RIGID INSULATION OVER COMPATIBLE MASTIC DAMP PROOFING MECHANICALLY FASTENED TO CONG SLAB - TYP.

3" THICK HORIZONTAL RIGID INSULATION AROUND THICKENED EDGE CONG. SLAB. SLOP AWAY @ 2% - TYP. (INSTALL IN TWO 1 1/2" LAYERS WITH JOINTS STAGGERED & PEGGED)

1 WALL SECTION

A-11 SCALE 1" = 1'-0"



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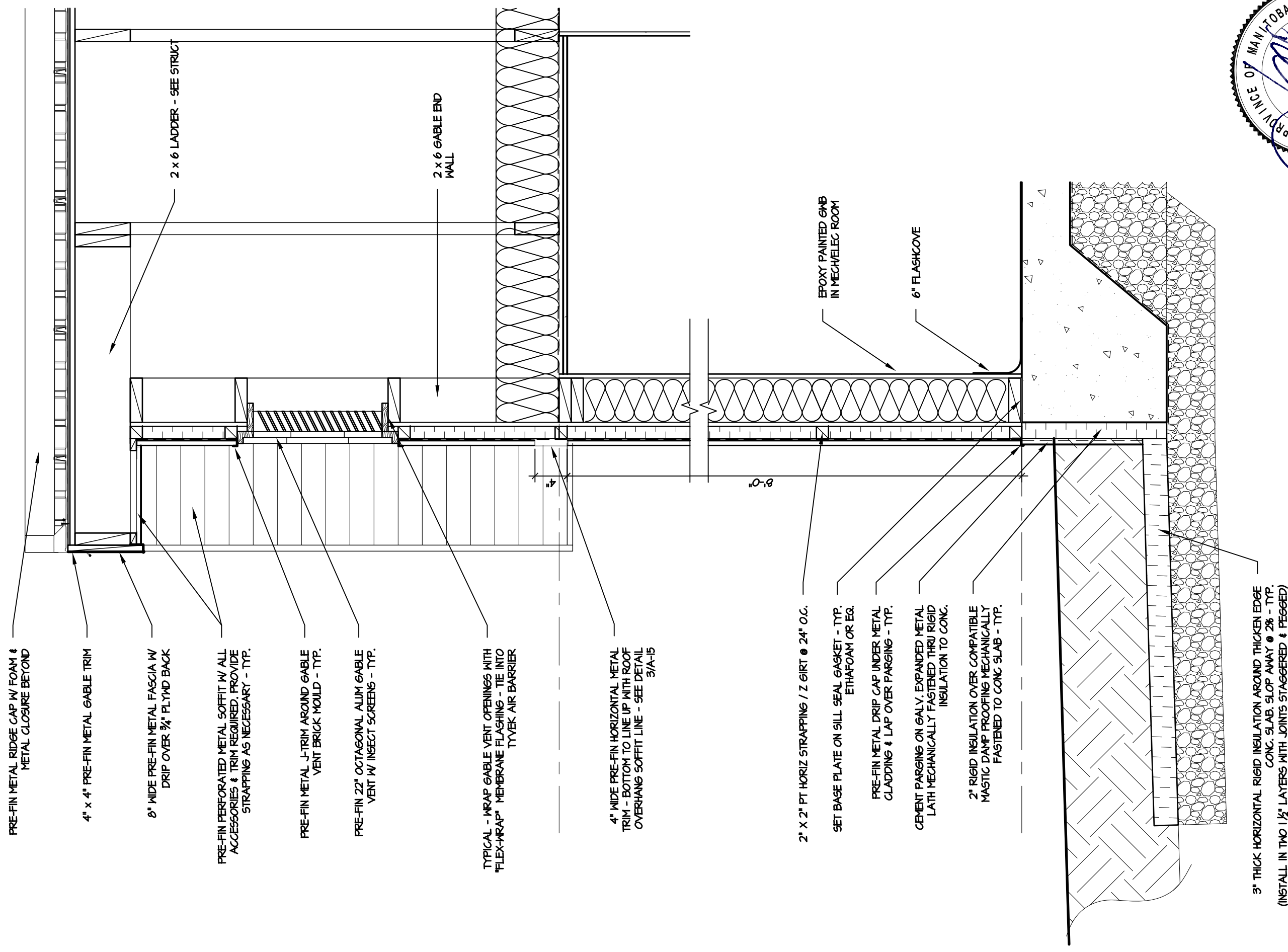
WALL SECTION

SCALE: 1/2" = 1'-0"
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A-11

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PRE-FIN METAL RIDGE CAP W/ FOAM & METAL CLOSURE BEYOND

4" x 4" PRE-FIN METAL GABLE TRIM

8" WIDE PRE-FIN METAL FASCIA W/ DRIP OVER 3/4" PLYND BACK

PRE-FIN PERFORATED METAL SOFFIT W/ ALL ACCESSORIES & TRIM REQUIRED. PROVIDE STRAPPING AS NECESSARY - TYP.

PRE-FIN METAL J-TRIM AROUND GABLE VENT BRICK MOULD - TYP.

PRE-FIN 22" OCTAGONAL ALUM GABLE VENT W/ INSECT SCREENS - TYP.

TYPICAL - WRAP GABLE VENT OPENINGS WITH "FLEX-WRAP" MEMBRANE FLASHING - TIE INTO TYVEK AIR BARRIER

4" WIDE PRE-FIN HORIZONTAL METAL TRIM - BOTTOM TO LINE UP WITH ROOF OVERHANG SOFFIT LINE - SEE DETAIL 3/A-15

2" x 2" PT HORIZ STRAPPING / Z GIRT @ 24" O.C.

SET BASE PLATE ON SILL SEAL GASKET - TYP. ETHAFOAM OR EQ.

PRE-FIN METAL DRIP GAP UNDER METAL CLADDING & LAP OVER PARGING - TYP.

CEMENT PARGING ON GALV. EXPANDED METAL LATH MECHANICALLY FASTENED THRU RIGID INSULATION TO CONC.

2" RIGID INSULATION OVER COMPATIBLE MASTIC DAMP PROOFING MECHANICALLY FASTENED TO CONC SLAB - TYP.

3" THICK HORIZONTAL RIGID INSULATION AROUND THICKEN EDGE CONC. SLAB. SLOP AWAY @ 2% - TYP. (INSTALL IN TWO 1 1/2" LAYERS WITH JOINTS STAGGERED & PEGGED)

1
A-12 WALL SECTION
SCALE 1" = 1'-0"



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COMFORT STATION FOR WINNIPEG TRANSIT

WALL SECTION

SCALE: 1/2" = 1'-0"

DATE: 2013/06/20

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A-12

Rev. 0

ADHESIVE MOUNT POLYCARBONATE SNOW GUARDS, 4 ROWS SPACED PER MANUFACTURER'S RECOMMENDATION. OFFSET 6" BETWEEN ALTERNATE VALLEYS - TYP.

4" x 4" PRE-FIN METAL GABLE TRIM

Ø" WIDE PRE-FIN METAL FASCIA W/ DRIP OVER ¾" PLYWD BACK

PRE-FIN PERFORATED METAL SOFFIT W/ ALL ACCESSORIES & TRIM REQUIRED. PROVIDE STRAPPING AS NECESSARY - TYP.

PRE-FIN METAL J-TRIM AROUND GABLE VENT BRICK MOULD - TYP.

PRE-FIN 22" OCTAGONAL ALUM GABLE VENT W/ INSECT SCREENS - TYP.

TYPICAL - WRAP GABLE VENT OPENINGS WITH "FLEX-WRAP" MEMBRANE FLASHING - TIE INTO TYVEK AIR BARRIER

4" WIDE PRE-FIN HORIZONTAL METAL TRIM - BOTTOM TO LINE UP WITH ROOF OVERHANG SOFFIT LINE - SEE DETAIL 3/A-15

PROVIDE PRE-FIN METAL CLOSURE TRIM

1 ¾" x 6" CLEAR ANOD. ALUM HEAD FRAME

PRE-FIN METAL CLAD SCREEN WALL BEYOND

1 ¾" x 4 ½" CLEAR ANOD. ALUM MULLIONS SET IN 1 ¾" x 6" CLEAR ANOD. PERIMETER ALUM FRAME

1 ¾" x 6" CLEAR ANOD. ALUM SILL SECTION

PRE-FIN METAL SILL FLASHING LAP OVER PARGING & EXTEND UNDER PRIVACY SCREEN FRAME - TYP.

CEMENT PARGING ON GALV. EXPANDED METAL LATH MECHANICALLY FASTENED THRU RIGID INSULATION TO CONG.

2" RIGID INSULATION OVER COMPATIBLE MASTIC DAMP PROOFING MECHANICALLY FASTENED TO CONG SLAB - TYP.

3" THICK HORIZONTAL RIGID INSULATION AROUND THICKENED CONG. SLAB. SLOP AWAY @ 2% - TYP. (INSTALL IN TWO 1 ½" LAYERS WITH JOINTS STAGGERED & PEGGED)

1

WALL SECTION @ PRIVACY SCREEN

A-13

SCALE 1" = 1'-0"



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WALL SECTION AT ENTRANCE THRU PRIVACY SCREEN

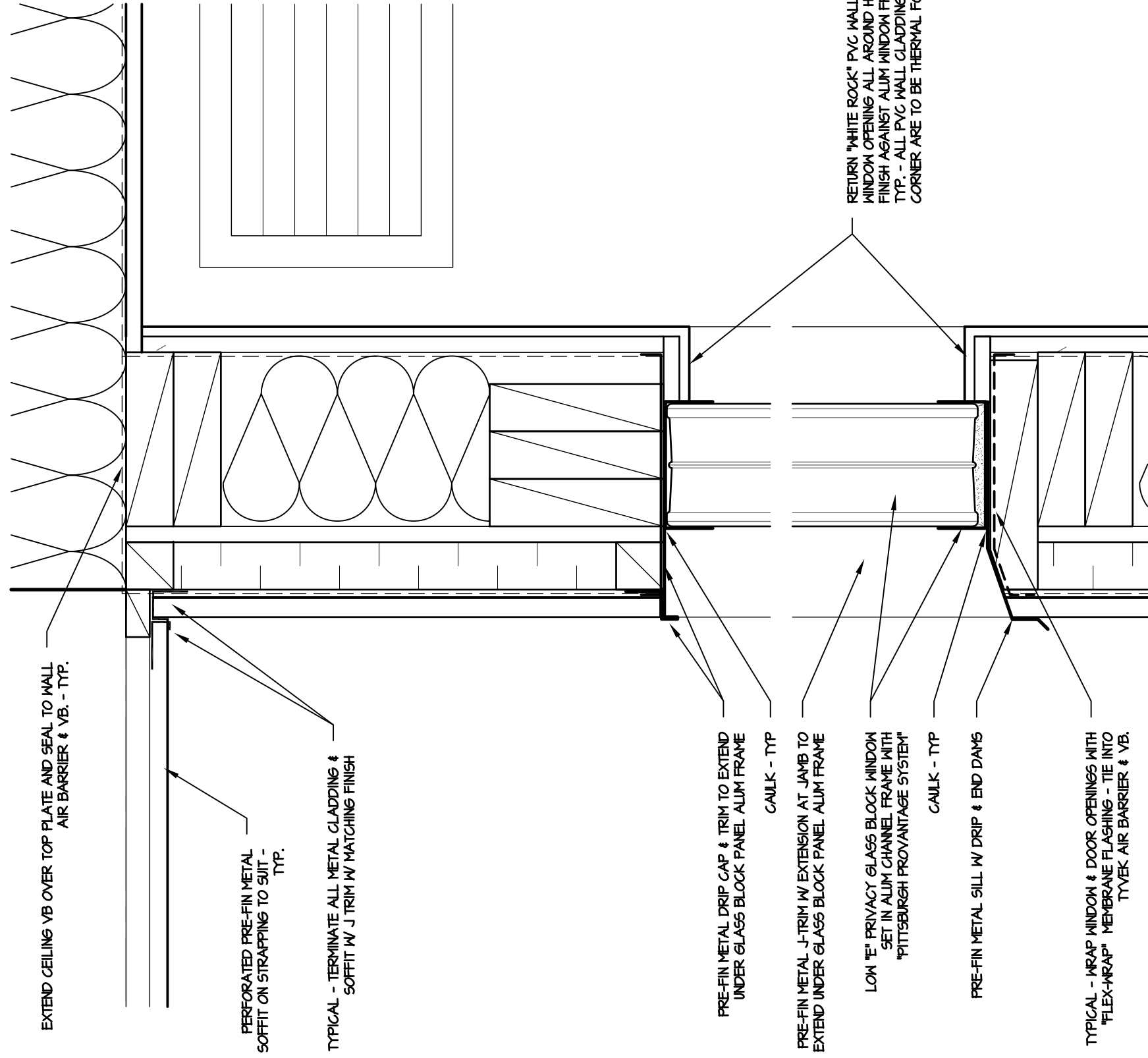
SCALE: 1/2" = 1'-0"

DATE: 2013/06/20

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A-13

Rev. 0



EXTEND CEILING VB OVER TOP PLATE AND SEAL TO WALL AIR BARRIER & VB. - TYP.

PERFORATED PRE-FIN METAL SOFFIT ON STRAPPING TO SJIT - TYP.

TYPICAL - TERMINATE ALL METAL CLADDING & SOFFIT W/ J TRIM W/ MATCHING FINISH

PRE-FIN METAL DRIP CAP & TRIM TO EXTEND UNDER GLASS BLOCK PANEL ALUM FRAME
CAULK - TYP

PRE-FIN METAL J-TRIM W/ EXTENSION AT JAMB TO EXTEND UNDER GLASS BLOCK PANEL ALUM FRAME

LOW "E" PRIVACY GLASS BLOCK WINDOW SET IN ALUM CHANNEL FRAME WITH "PITTSBURGH PROVANTAGE SYSTEM"

CAULK - TYP

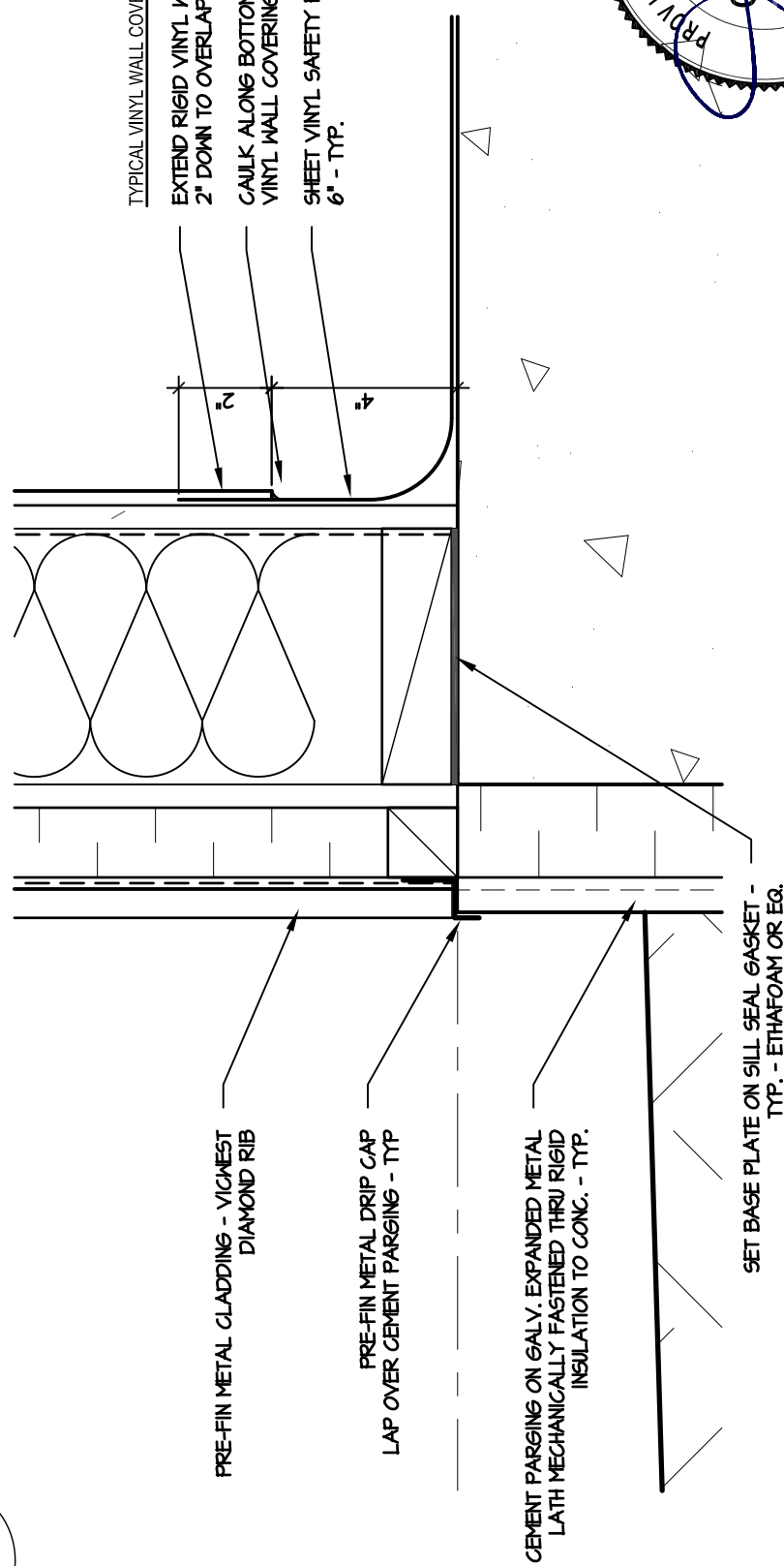
PRE-FIN METAL SILL W/ DRIP & END DAMS

TYPICAL - WRAP WINDOW & DOOR OPENINGS WITH "FLEX-WRAP" MEMBRANE FLASHING - TIE INTO TYVEK AIR BARRIER & VB.

RETURN "WHITE ROCK" PVC WALL CLADDING INTO WINDOW OPENING ALL AROUND HEAD, JAMBES & SILL TO FINISH AGAINST ALUM WINDOW FRAME
TYP. - ALL PVC WALL CLADDING OUTSIDE & INSIDE CORNER ARE TO BE THERMAL FORMED.

2 GLASS BLOCK WINDOW DETAIL

A-14 SCALE 3" = 1'-0"



PRE-FIN METAL CLADDING - VIGWEST DIAMOND RIB

PRE-FIN METAL DRIP CAP LAP OVER CEMENT PARGING - TYP

CEMENT PARGING ON GALV. EXPANDED METAL LATH MECHANICALLY FASTENED THRU RIGID INSULATION TO CONC. - TYP.

SET BASE PLATE ON SILL SEAL GASKET - TYP. - ETHAFOAM OR EG.

TYPICAL VINYL WALL COVERING DETAIL @ COVE BASE

EXTEND RIGID VINYL WALL COVERING 2" DOWN TO OVERLAP COVERED BASE

CAULK ALONG BOTTOM EDGE OF RIGID VINYL WALL COVERING

SHEET VINYL SAFETY FLOOR COVE UP 6" - TYP.

1 METAL CLADDING BASE DETAIL

A-14 SCALE 3" = 1'-0"



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DETAILS

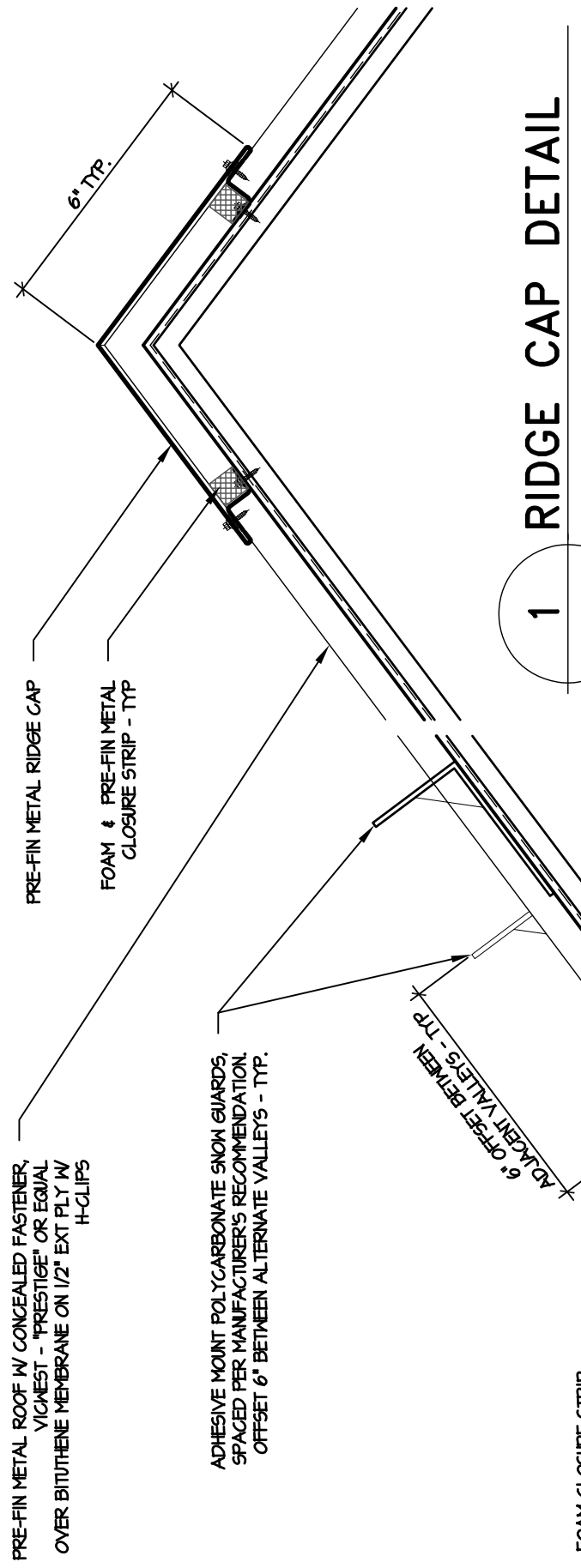
SCALE: 3" = 1'-0"

DATE: 2013/06/20

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1 RIDGE CAP DETAIL

A-15 SCALE 3" = 1'-0"

PRE-FIN METAL ROOF W/ CONCEALED FASTENER, VICWEST - "PRESTIGE" OR EQUAL OVER BITUTHENE MEMBRANE ON 1/2" EXT PLY W/ H-CLIPS

ADHESIVE MOUNT POLYCARBONATE SNOW GUARDS, SPACED PER MANUFACTURER'S RECOMMENDATION, OFFSET 6" BETWEEN ALTERNATE VALLEYS - TYP.

6" OFFSET BETWEEN ADJACENT VALLEYS - TYP.

FOAM CLOSURE STRIP

PRE-FIN METAL EAVESTROUGH CLIPS @ 24" O.C.

4"

PRE-FIN METAL EAVESTROUGH

PRE-FIN METAL FASCIA C/M DRIP, OVER 3/4" EXT. PLYND FASCIA BOARD

PRE-FIN PERFORATED METAL SOFFIT W/ STRAPPING - VICWEST CLT015R

PRE-FIN METAL J-TRIM

PRE-FIN METAL GLADDING - VICWEST DIAMOND RIB

PRE-FIN METAL J TRIM

4" WIDE PRE-FIN METAL TRIM

PRE-FIN METAL J TRIM

2 EAVESTROUGH / FASCIA DETAIL

A-14 SCALE 3" = 1'-0"

PRE-FIN METAL ROOF W/ CONCEALED FASTENER, VICWEST - "PRESTIGE" OR EQUAL OVER BITUTHENE MEMBRANE ON 1/2" EXT PLY W/ H-CLIPS

PRE-FIN METAL GABLE TRIM W/ DRIP

4"

PRE-FIN METAL FASCIA C/M DRIP, OVER 3/4" EXT. PLYND FASCIA BOARD

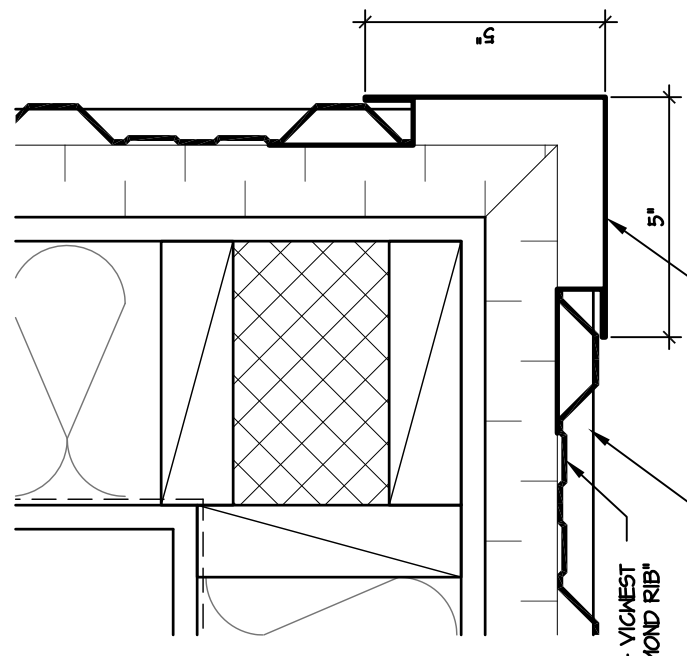
PRE-FIN PERFORATED METAL SOFFIT W/ STRAPPING - VICWEST CLT015R

PRE-FIN METAL J-TRIM

PRE-FIN METAL GLADDING - VICWEST "DIAMOND RIB"

DRIP GAP BELOW

PRE-FIN METAL OUTSIDE CORNER TRIM W/ BUILD-IN J TRIM

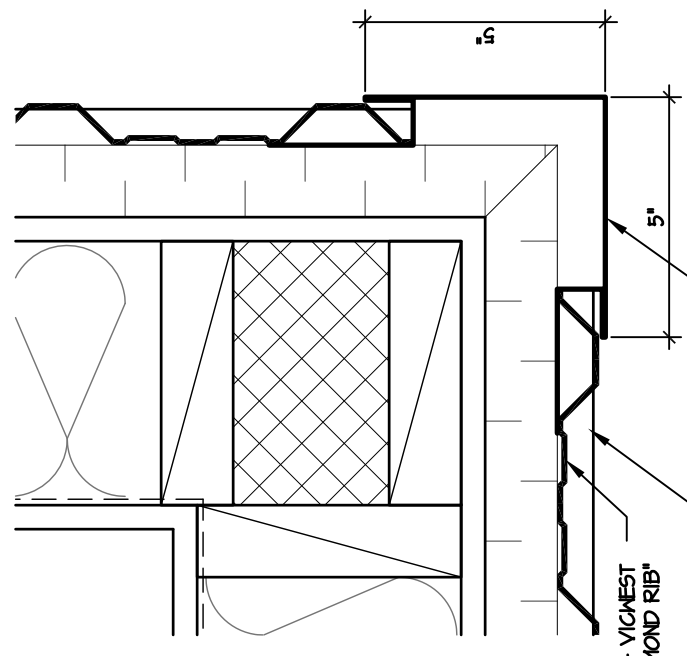


3 HORIZ TRIM DETAIL

A-15 SCALE 3" = 1'-0"

4 GABLE TRIM & FASCIA @ LOOKOUT

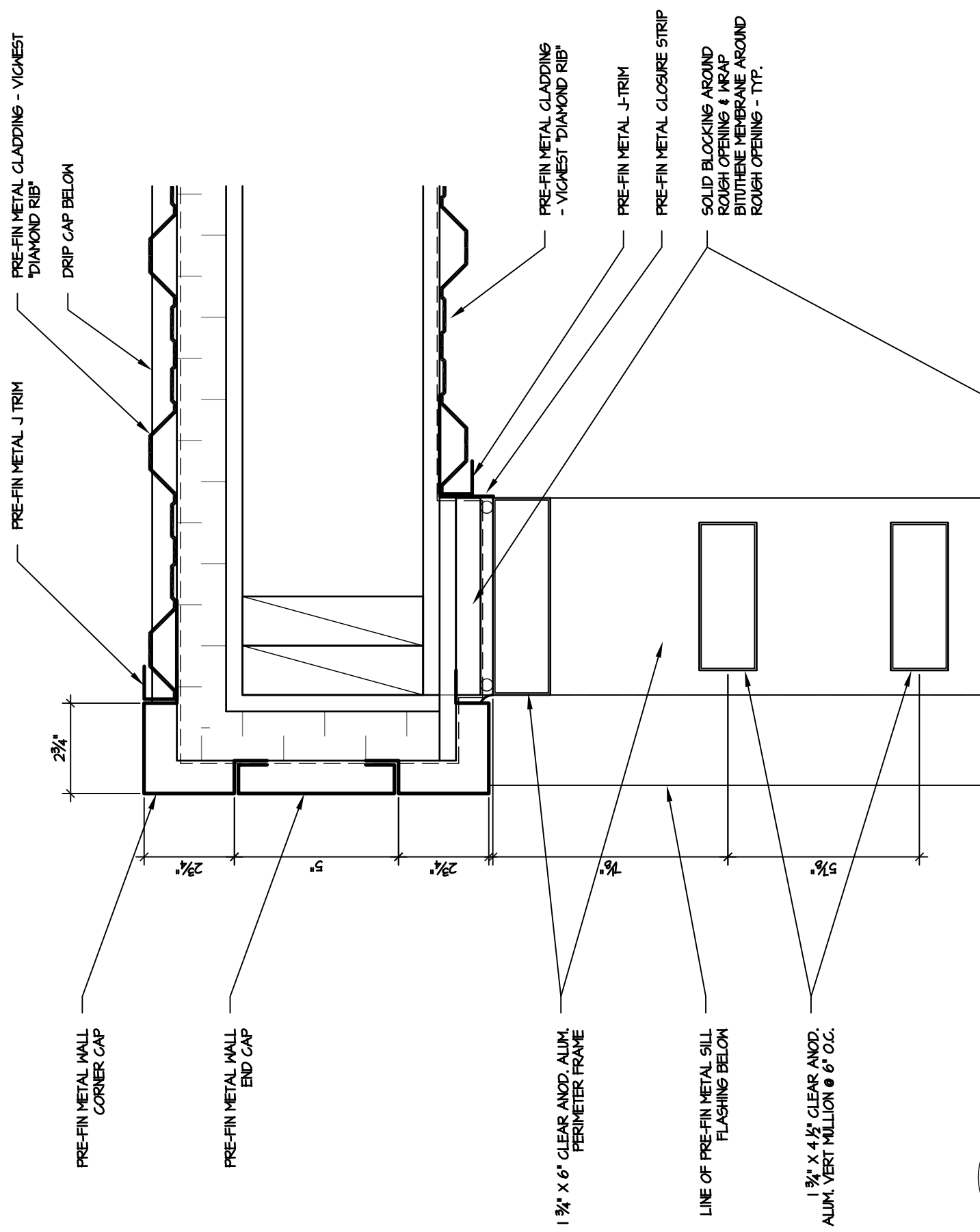
A-15 SCALE 3" = 1'-0"



5 OUTSIDE CORNER TRIM

A-15 SCALE 3" = 1'-0"





1 PLAN DETAIL - ALUM SCREEN / WALL END

A-16 SCALE 3" = 1'-0"

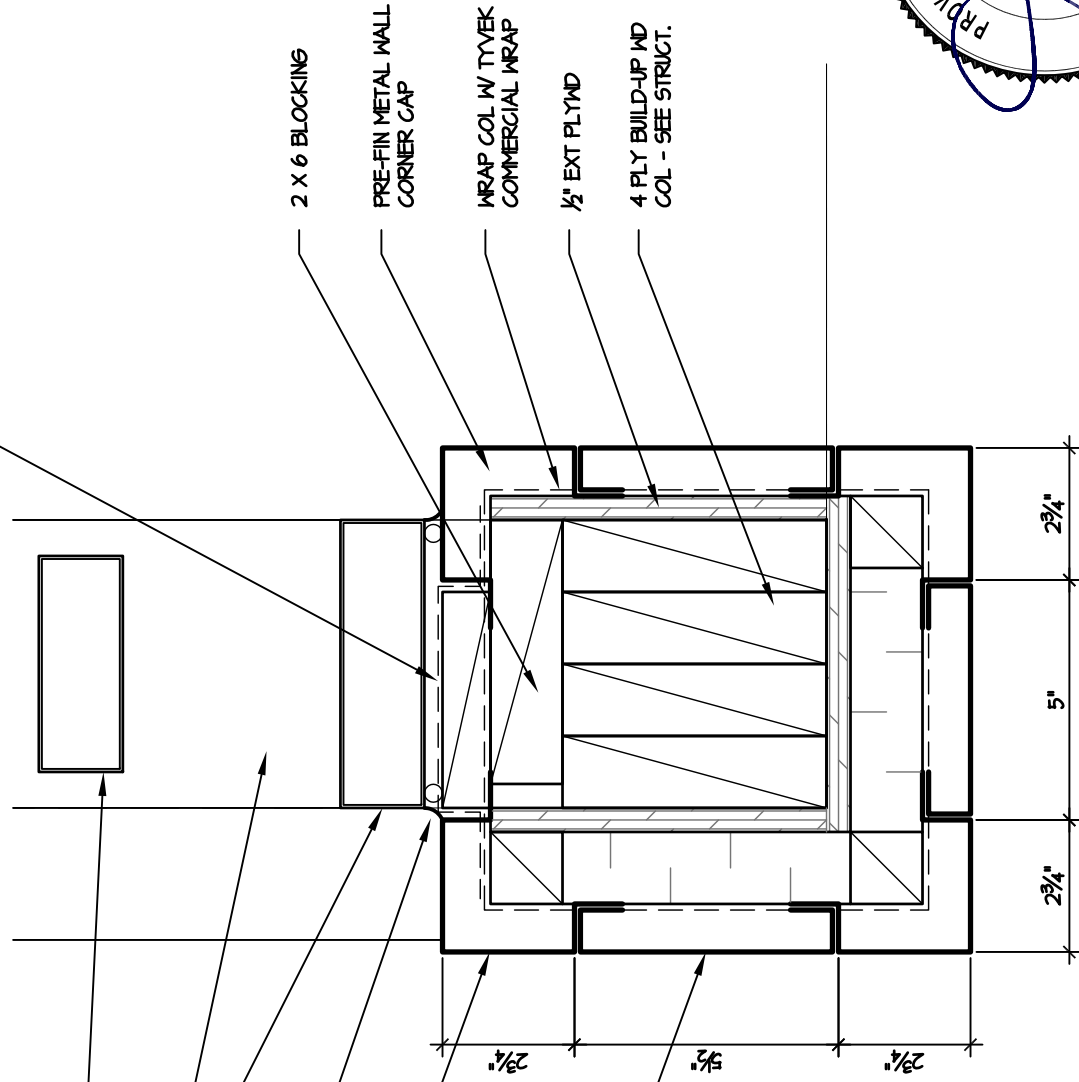
1 3/4" X 4 1/2" CLEAR ANOD. ALUM. VERT MULLION @ 6" O.C.

1 3/4" X 6" CLEAR ANOD. ALUM. PERIMETER FRAME

ROD & CAULK B/S FRAME - TYP.

PRE-FIN METAL WALL CORNER CAP

PRE-FIN METAL COLUMN CAP



2 PLAN DETAIL - ALUM SCREEN / COLUMN

A-16 SCALE 3" = 1'-0"




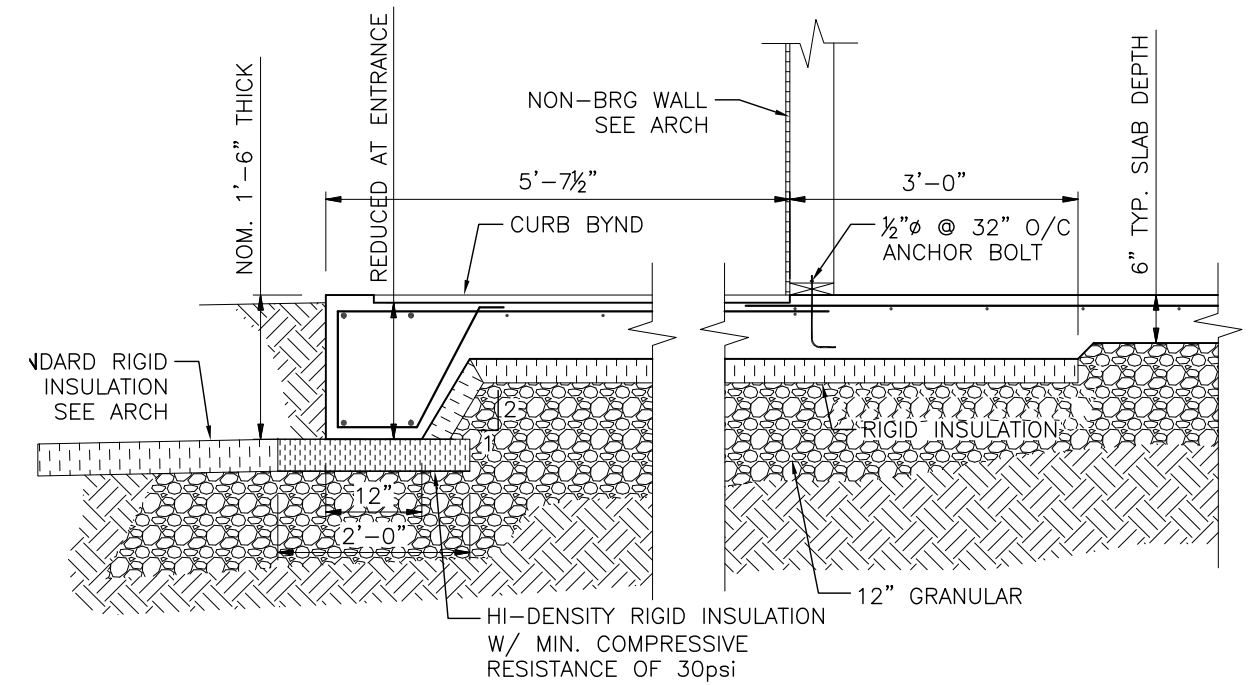
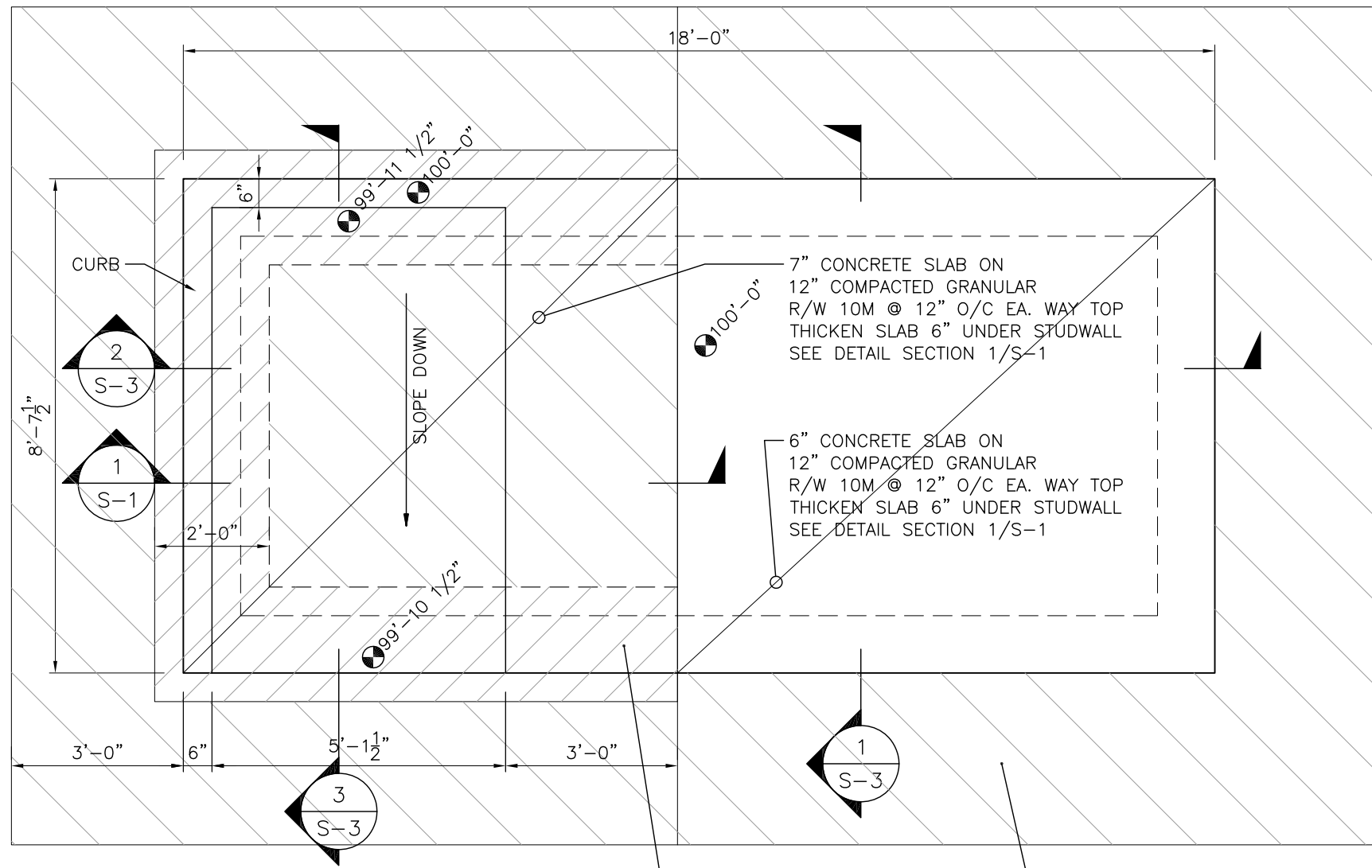
GENERAL

1. These notes are to be read in conjunction with the specifications.
2. This building has been designed in accordance with the 2011 edition of the Manitoba Building Code.
3. The contractor shall be responsible for the design and installation of all necessary shoring, bracing and formwork. Formwork for new construction shall be bridged over existing services. Procedure must be approved by the design Engineer.
4. Any unsound structural conditions observed or created during construction are to be reported to Engineer immediately.
5. Coordinate size and location of all openings in structural members with trades involved. All openings not indicated on structural drawings to be approved by Engineer.
6. Confirm the location of all sub-grade services prior to commencing site work.
7. Verify all dimensions and elevations with architectural drawings prior to construction. Any discrepancies to be reported to engineer immediately. Do not scale drawings.
8. Do not backfill against structure until main floor is in place.
9. Confirm all existing conditions prior to construction. Any discrepancies or conflicts to be reported to Engineer immediately.
10. Concrete walls, piers and columns shall be poured a minimum of 24 hours before slabs and beams.
11. Exterior sidewalks to be 100mm thk. concrete on compacted granular fill reinforced with 10m @ 300 o/c E.W. mid-depth. Provide tooled control joints @ max. 1500 o/c and construction joints @ max. 6100 o/c
12. Minimum reinforcing for equipment bases 10M @ 12" o/c each way.

0	ISSUED FOR TENDER & CONSTRUCTION	2013.06.18	DJP
No.	REVISION	DATE	BY

DRAWING TITLE
GENERAL NOTES

WOLFROM ENGINEERING LTD CONSULTING ENGINEERS 345 WARDLAW AVENUE WINNIPEG, CANADA R3L 0L5 (204)452-0041 FAX: 284-8680 E-Mail: info@wolfromeng.com	DATE	18-JUNE-2013	SEAL 
	SCALE	AS NOTED	
	FILE NO.	W13-126	
	DRAWING NO.	S-0	
COMFORT STATION WINNIPEG TRANSIT			



1 SECTION
S-1 1/2" = 1'-0"

FOUNDATION & GROUND FLOOR PLAN

3/8" = 1'-0"

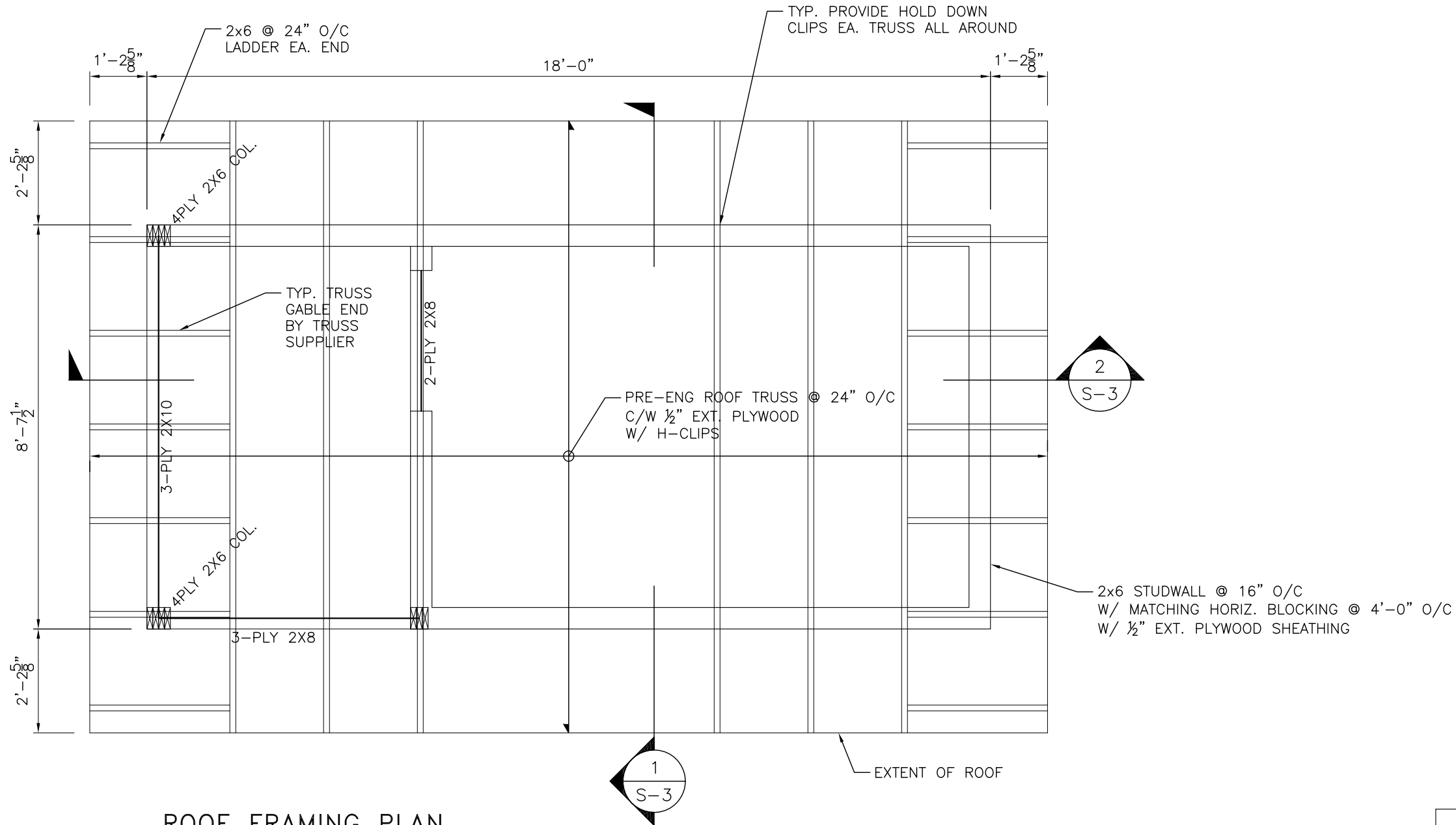
DESIGN LOADS:

LIVE LOAD: 50 PSF

0	ISSUED FOR TENDER & CONSTRUCTION	2013.06.18	DJP
No.	REVISION	DATE	BY

DRAWING TITLE
FOUNDATION PLAN & SECTION

WOLFROM ENGINEERING LTD CONSULTING ENGINEERS 345 WARDLAW AVENUE WINNIPEG, CANADA R3L 0L5 (204) 452-0041 FAX: 284-8680 E-Mail: info@wolfromeng.com	DATE 18-JUNE-2013	SEAL
	SCALE AS NOTED	
	FILE NO. W13-126	
JOB TITLE COMFORT STATION WINNIPEG TRANSIT	DRAWING NO. S-1	



ROOF FRAMING PLAN

3/8" = 1'-0"

DESIGN LOADS:

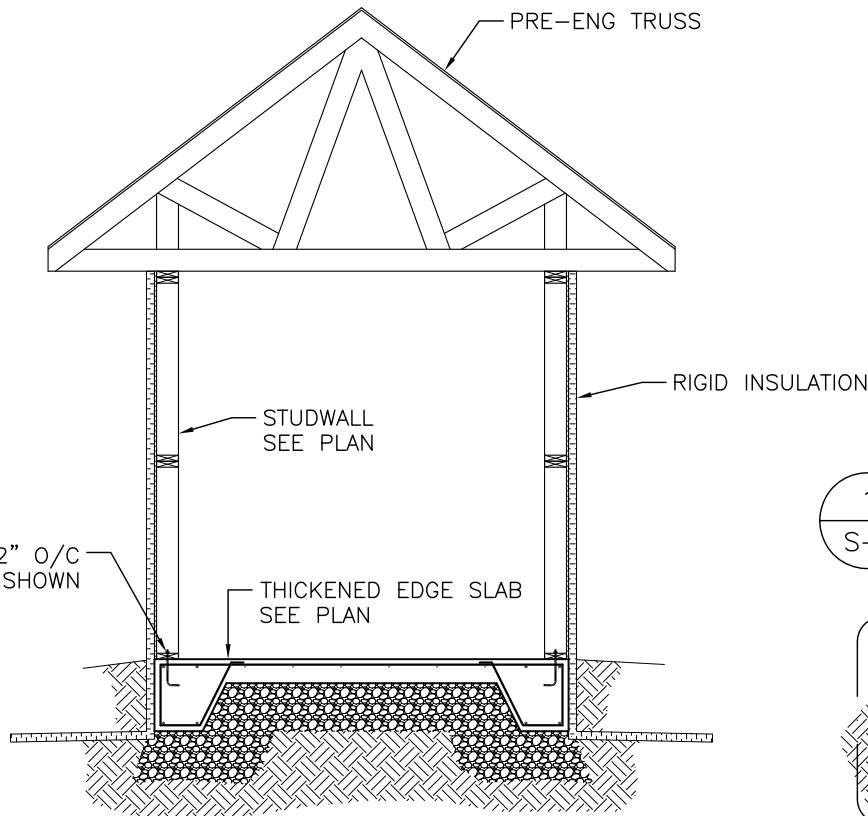
SNOW: 36 PSF
DEAD: 15 PSF

0	ISSUED FOR TENDER & CONSTRUCTION	2013.06.18	DJP
No.	REVISION	DATE	BY

DRAWING TITLE
ROOF FRAMING PLAN

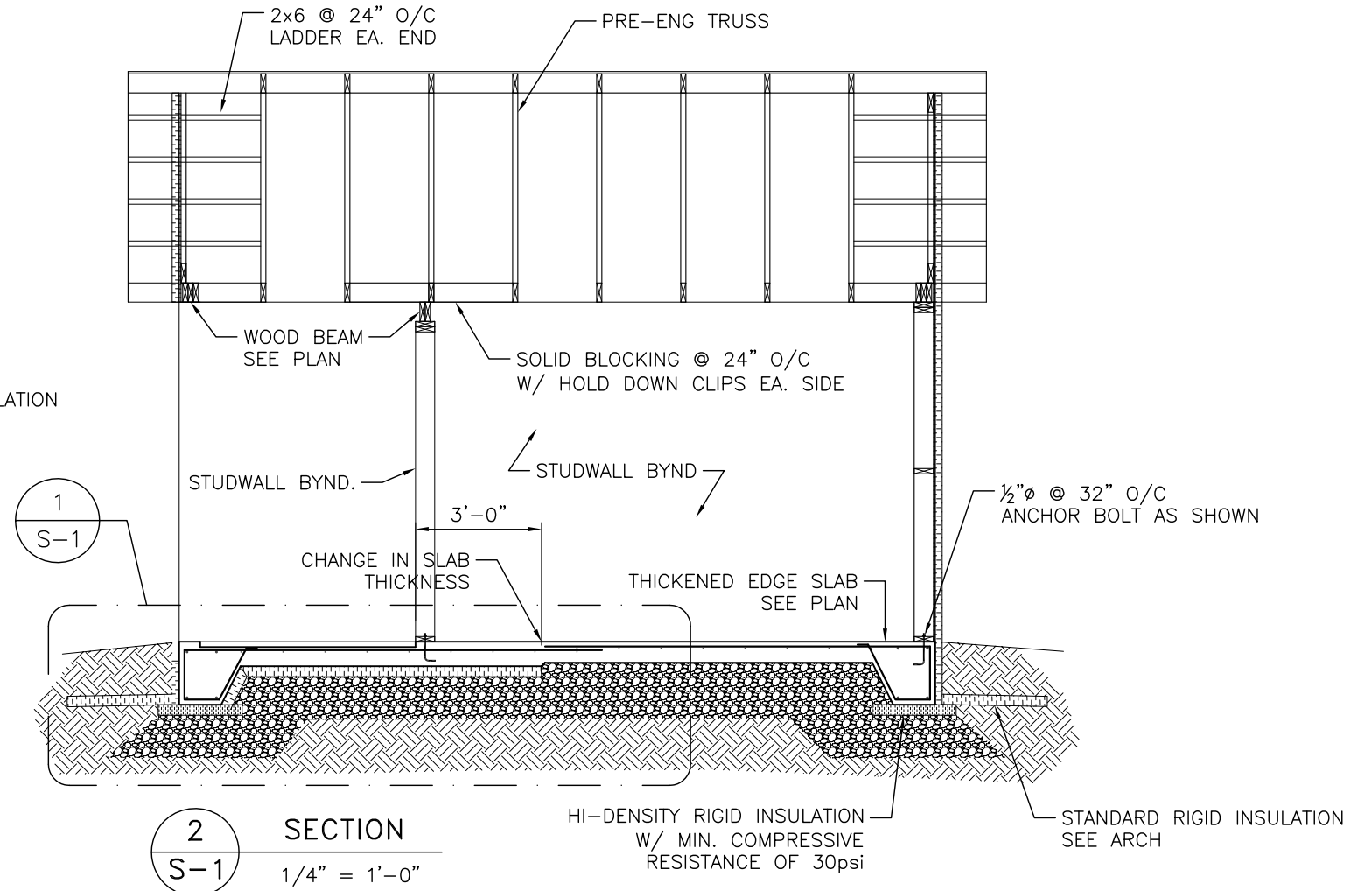
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	SCALE	AS NOTED	
	FILE NO.	W13-126	
	DRAWING NO.	S-2	
JOB TITLE		COMFORT STATION WINNIPEG TRANSIT	

ELEV. 108'-1"
U/S TRUSS

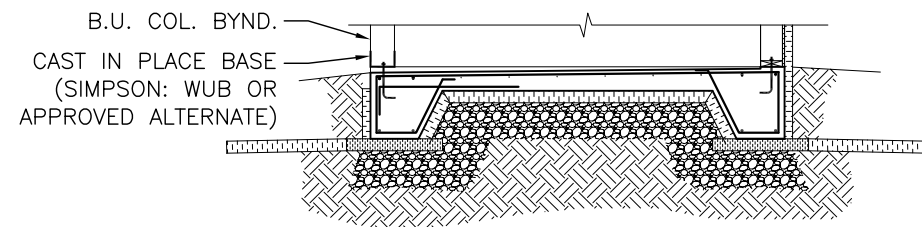


1 SECTION
S-1 1/4" = 1'-0"

ELEV. 100'-0"
TOP OF CONCRETE



2 SECTION
S-1 1/4" = 1'-0"



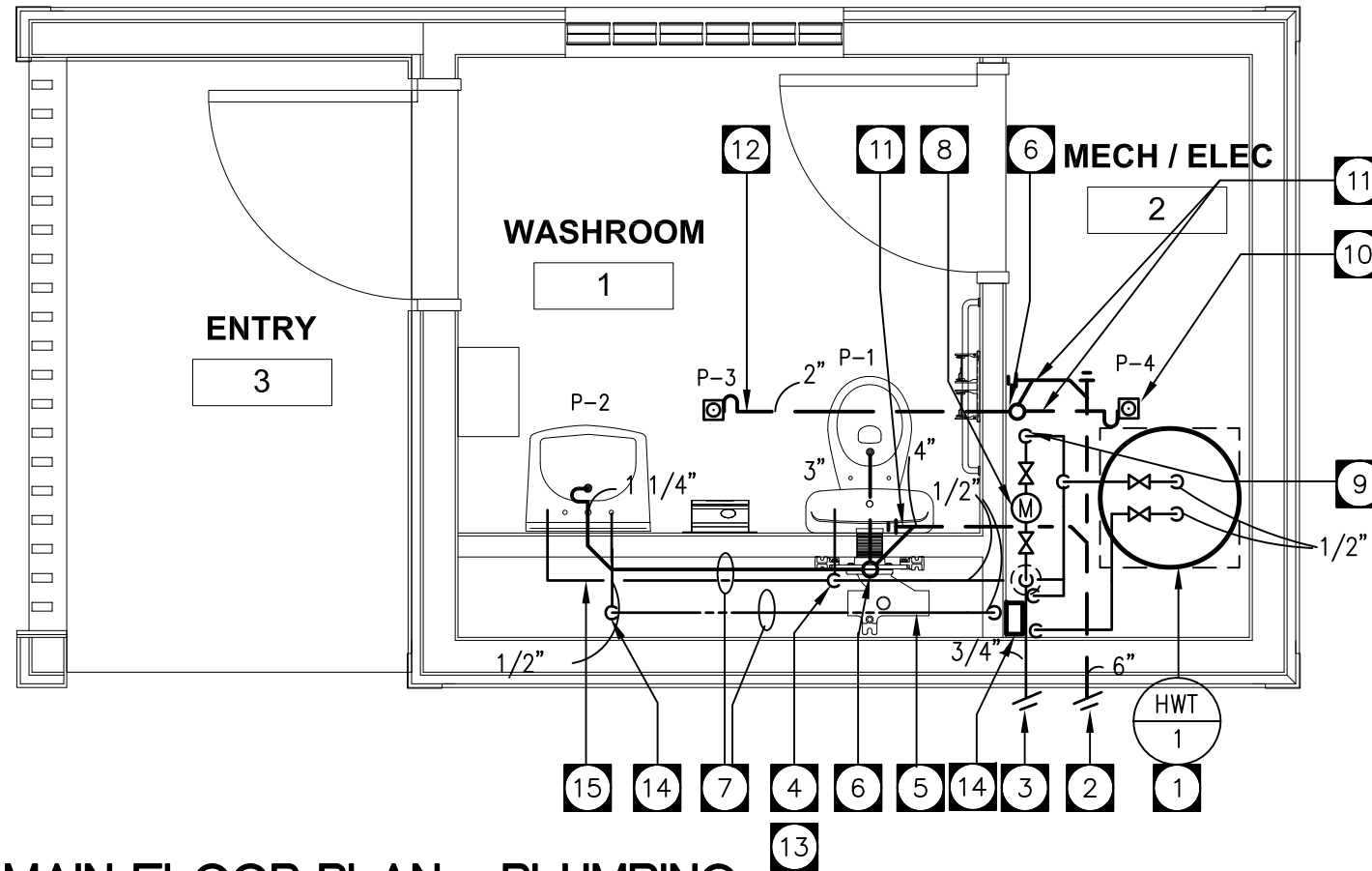
3 SECTION
S-1 1/4" = 1'-0"

0	ISSUED FOR TENDER & CONSTRUCTION	2013.06.18	DJP
No.	REVISION	DATE	BY
DRAWING TITLE			
SECTIONS			

WOLFROM ENGINEERING LTD CONSULTING ENGINEERS 345 WARDLAW AVENUE WINNIPEG, CANADA R3L 0L5 (204)452-0041 FAX: 284-8680 E-Mail: info@wolfromeng.com	DATE 18-JUNE-2013	SEAL
	SCALE AS NOTED	
COMFORT STATION WINNIPEG TRANSIT	FILE NO. W13-126	
	DRAWING NO. S-3	

DRAWING NOTES - PLUMBING

- 1 DOMESTIC HOT WATER TANK AS SPECIFIED MOUNTED WITHIN DRAIN PAN. CONNECT DOMESTIC HOT & COLD WATER LINES TO DOMESTIC HOT WATER TANK C/W ISOLATION SHUT OFF VALVES. REFER TO MECHANICAL DRAWING M-1.2 FOR SCHEMATIC DETAIL OF DOMESTIC HOT WATER TANK PIPING HOOK UP REQUIREMENTS.
- 2 EXTEND SANITARY SEWER LINE OUTSIDE BUILDING CONNECTING TO EXISTING SITE SANITARY W.W.S. SEWER LINE. CONTRACTOR SHALL CONFIRM & CO-ORDINATE EXACT EXISTING BUILDING SANITARY SEWER LINE LOCATION ON SITE.
- 3 EXISTING BUILDING INCOMING WATERMAIN EXTENDING FROM CONNECTION TO STREET WATERMAIN. INCOMING WATERMAIN TO RISE UP TO ABOVE FLOOR SLAB WITHIN FROST BOX. CONTRACTOR SHALL INSTALL NEW FROST BOX ON EXISTING INCOMING WATERMAIN SERVICE RISING UP TO ABOVE FLOOR SLAB LEVEL. ADJUST EXISTING INCOMING WATERMAIN SERVICE LOCATION AS REQUIRED ENTERING NEW BUILDING ELECTRICAL ROOM. PROVIDE NEW INSULATION ON NEW BUILDING INCOMING WATERMAIN SERVICE AFTER INSTALLATION OF HEAT TRACE BY ELECTRICIAN. REFER TO MECHANICAL DRAWING M-1.2 FOR DETAIL OF INCOMING WATER SERVICE & FROST BOX INSTALLATION DETAIL.
- 4 EXTEND DOMESTIC COLD WATER LINE DOWN WITHIN SHAFT WALL CAVITY. EXTEND DOMESTIC COLD WATER LINES HORIZONTALLY WITHIN WALL CAVITY CONNECTING TO WASHROOM FACILITY WATER CLOSET & LAVATORY. BOTTLE FILLER FAUCET MOUNTED ABOVE LAVATORY.
- 5 EXTEND DOMESTIC HOT WATER LINE WITHIN SHAFT WALL CAVITY FROM CONNECTION TO MIXING VALVE TO CONNECT TO WASHROOM LAVATORY FAUCET.
- 6 EXTEND PLUMBING VENT LINE UP THROUGH ROOF IN ACCORDANCE WITH PLUMBING CODES & REGULATIONS.



MAIN FLOOR PLAN - PLUMBING

SCALE: 3/8"=1'-0"

- 7 RUN SANITARY DRAINAGE PIPING & DOMESTIC HOT & COLD WATER LINES WITHIN FURRED OUT WALL CAVITY TO SERVE WASHROOM LAVATORY & WATER CLOSET.
- 8 WATER METER C/W VALVED BY-PASS SUPPLIED & INSTALLED IN ACCORDANCE WITH CITY OF WINNIPEG WATERWORKS DEPT. STANDARDS & INSTALLATION REQUIREMENTS. REFER TO INCOMING WATER SERVICE INSTALLATION DETAIL ON MECHANICAL DRAWING M-1.2 FOR SCHEMATIC DETAIL OF WATER METER PIPING HOOK UP REQUIREMENTS.
- 9 DOMESTIC COLD WATER LINE TO RISE UP SURFACE OF WALL TO MAIN FLOOR CEILING SPACE LEVEL.
- 10 FUNNEL FLOOR DRAIN AS SPECIFIED MOUNTED WITHIN FLOOR SLAB CONNECTED TO SANITARY DRAINAGE PIPING RUNNING BELOW FLOOR SLAB LEAVING BUILDING.
- 11 RUN SANITARY DRAINAGE PIPING BELOW FLOOR SLAB @ 1% SLOPE.
- 12 CONNECT SANITARY DRAIN LINE SERVING FLOOR DRAIN TO SANITARY DRAINAGE PIPING RUNNING BELOW FLOOR SLAB LEAVING BUILDING.
- 13 WATER CLOSET TO BE COMPLETE WITH HORIZONTAL CARRIER MOUNTED WITHIN PIPE CHASE CAVITY WALL. WATER CLOSET TO BE WALL HUNG C/W BACK OUTLET CONNECTED & SUPPORT TO CARRIER.
- 14 MIXING VALVE MOUNTED ON WALL. CONNECT 1/2" DOMESTIC HOT & COLD WATER LINES TO MIXING VALVE C/W SHUT OFF VALVES. CONNECT TEMPERED WATER LINE FROM MIXING VALVE OUTLET TO SERVE LAVATORY DECK FAUCET.
- 15 CONNECT 1/2" DOMESTIC COLD WATER LINE TO BOTTLE FILLER SUPPLY FAUCET MOUNTED ON WALL ABOVE LAVATORY. WATER FILLER FAUCET SHALL BE DELTA MODEL W 6685 WALL MOUNT BRACKET C/W DELTA MODEL W6629 VALVE WITH INDEX BUTTON. SELF CLOSING. GOOSENECK SPOUT TO BE CENTRED ON LAVATORY.



B.P. DESIGNS LTD.
39 BERUBE PLACE
WINNIPEG, MANITOBA
R3X - 1E4
PHONE: 253-9613
FAX: 257-2333

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COMFORT STATION FOR WINNIPEG TRANSIT

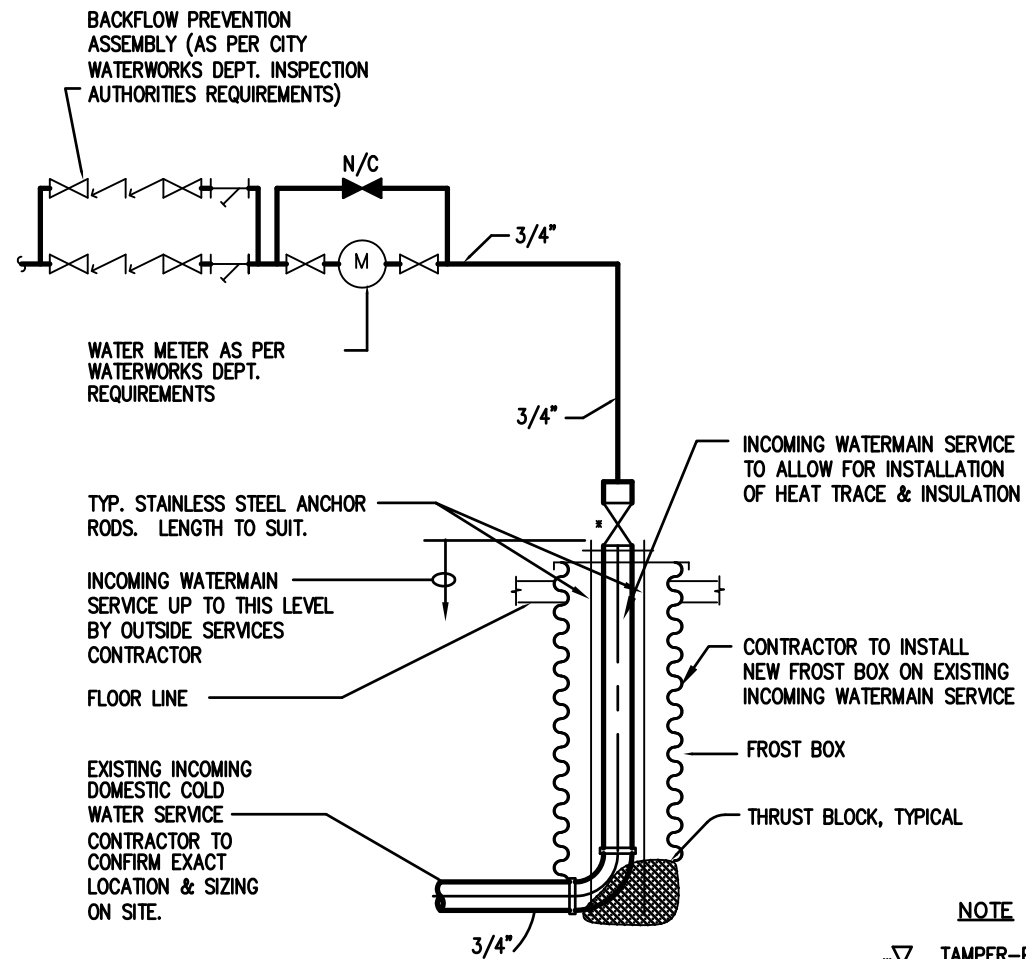
GROUND FLOOR PLAN - PLUMBING

SCALE: 3/8"=1'-0"
DATE: JUNE 3, 2013

REV. 0 13/06/20 ISSUED FOR TENDER & CONSTRUCTION

M-1.1

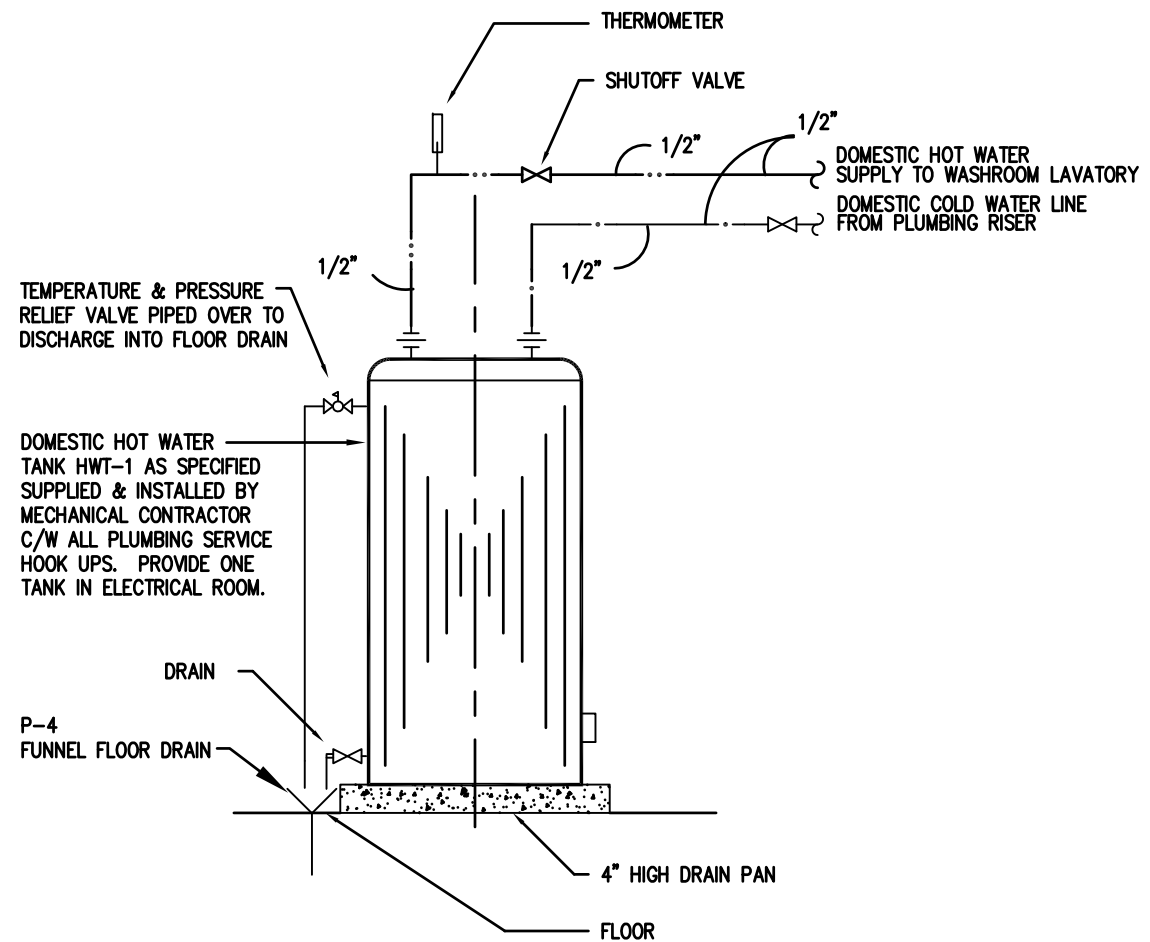
REV. 0



INCOMING WATER SERVICE DETAIL

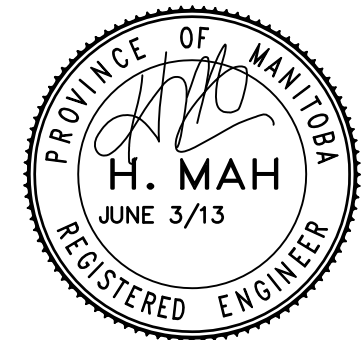
N.T.S.

NOTE
 * X TAMPER-PROOF VALVE



**ELECTRIC HOT WATER HEATER DETAIL
 (ONE SINGLE TANK - ELECTRICAL ROOM)**

NTS



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 WINNIPEG, MANITOBA
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COMFORT STATION FOR WINNIPEG TRANSIT

Victor Suen Architect

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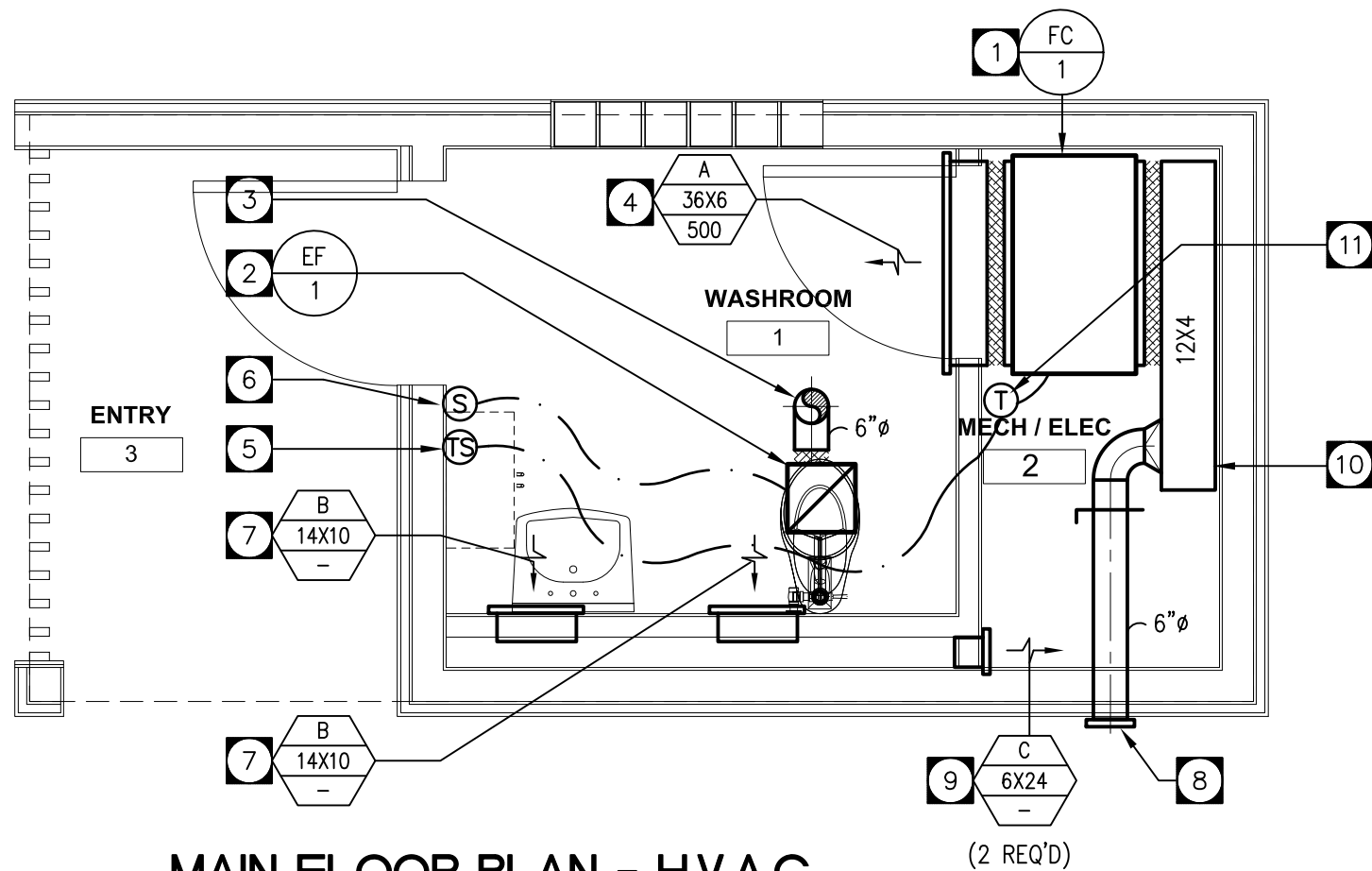
MECHANICAL DETAILS

SCALE: 3/8"=1'-0"
 DATE: JUNE 3, 2013

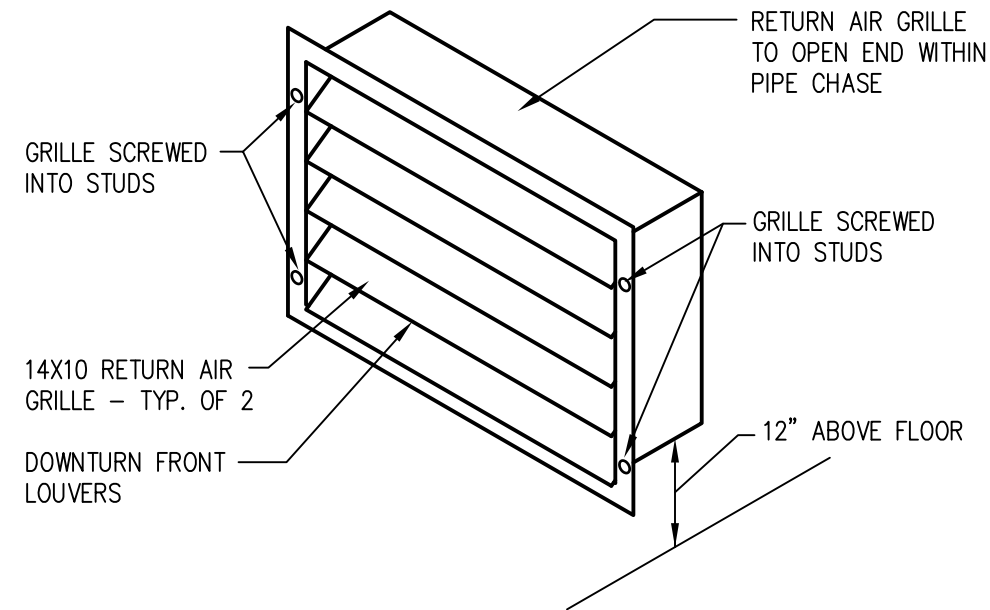
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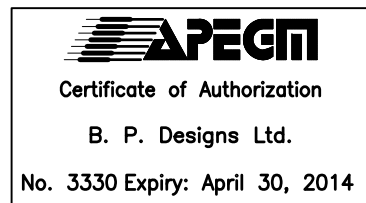
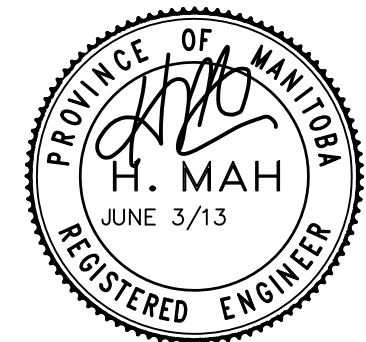
MAIN FLOOR PLAN - H.V.A.C.
SCALE: 3/8"=1'-0"



TRANSFER RETURN AIR GRILLE
N.T.S.

DRAWING NOTES - H.V.A.C.

- 1 FAN COIL UNIT AS SPECIFIED MOUNTED SUSPENDED FROM UNDERSIDE OF STRUCTURE C/W VIBRATION ISOLATION HANGERS. CONNECT SUPPLY & RETURN DUCTWORK TO FAN COIL C/W FLEX CONNECTION.
- 2 EXHAUST FAN AS SPECIFIED MOUNTED WITHIN CEILING STRUCTURE C/W INSULATED EXHAUST DUCTWORK EXTENDING UP THROUGH ROOF.
- 3 INSULATED EXHAUST DUCTWORK EXTENDING UP THROUGH ATTIC SPACE CONNECTED TO ROOF JACK. ROOF JACK C/W BACKDRAFT DAMPER.
- 4 SIDEWALL SUPPLY AIR GRILLE AS SPECIFIED MOUNTED HIGH ON WALL CONNECTED TO FAN COIL UNIT DISCHARGE OUTLET C/W FLEX CONNECTION.
- 5 REMOTE SENSOR MOUNTED ON WALL WIRED TO THERMOSTAT WIRED TO CONTROL FAN COIL UNIT HEATING OPERATION. SENSOR C/W METAL VANDALPROOF LOCKABLE COVER.
- 6 MOTION DETECTOR MOUNTED ON WALL WIRED TO CONTROL DESIGNATED EXHAUST FAN OPERATION.
- 7 SIDEWALL TRANSFER AIR GRILLE MOUNTED LOW ON WALL OPEN ENDING WITHIN FURRED OUT WALL CAVITY. RETURN AIR GRILLES TO BE MOUNTED 12" ABOVE FLOOR LEVEL. REFER TO DETAIL ON THIS DRAWING @ RIGHT.
- 8 8X8 FRESH AIR INTAKE LOUVER MOUNTED HIGH ON WALL TRANSITION & CONNECTED TO 6"Ø INSULATED FRESH AIR INTAKE DUCTWORK CONNECTING TO FAN COIL UNIT RETURN AIR PLENUM.
- 9 TWO WIRE MESH TRANSFER AIR GRILLES. ONE MOUNTED HIGH ON WALL. ONE MOUNTED LOW ON WALL. TRANSFER AIR GRILLES TO OPEN END WITHIN FURRED OUT WALL CAVITY SPACE.
- 10 RETURN AIR DUCTWORK TO OPEN END WITHIN MECHANICAL/ELECTRICAL ROOM @ CEILING SPACE LEVEL. RETURN AIR DUCTWORK TO CONNECT TO FAN COIL UNIT RETURN AIR COLLAR CONNECTION C/W FLEX CONNECTION.
- 11 THERMOSTAT MOUNTED ON WALL WITHIN ELECTRICAL ROOM. THERMOSTAT TO BE WIRED TO CONTROL FAN COIL UNIT OPERATION INCLUDING HEATING. THERMOSTAT C/W REMOTE SENSOR MOUNTED WITHIN WASHROOM AREA.



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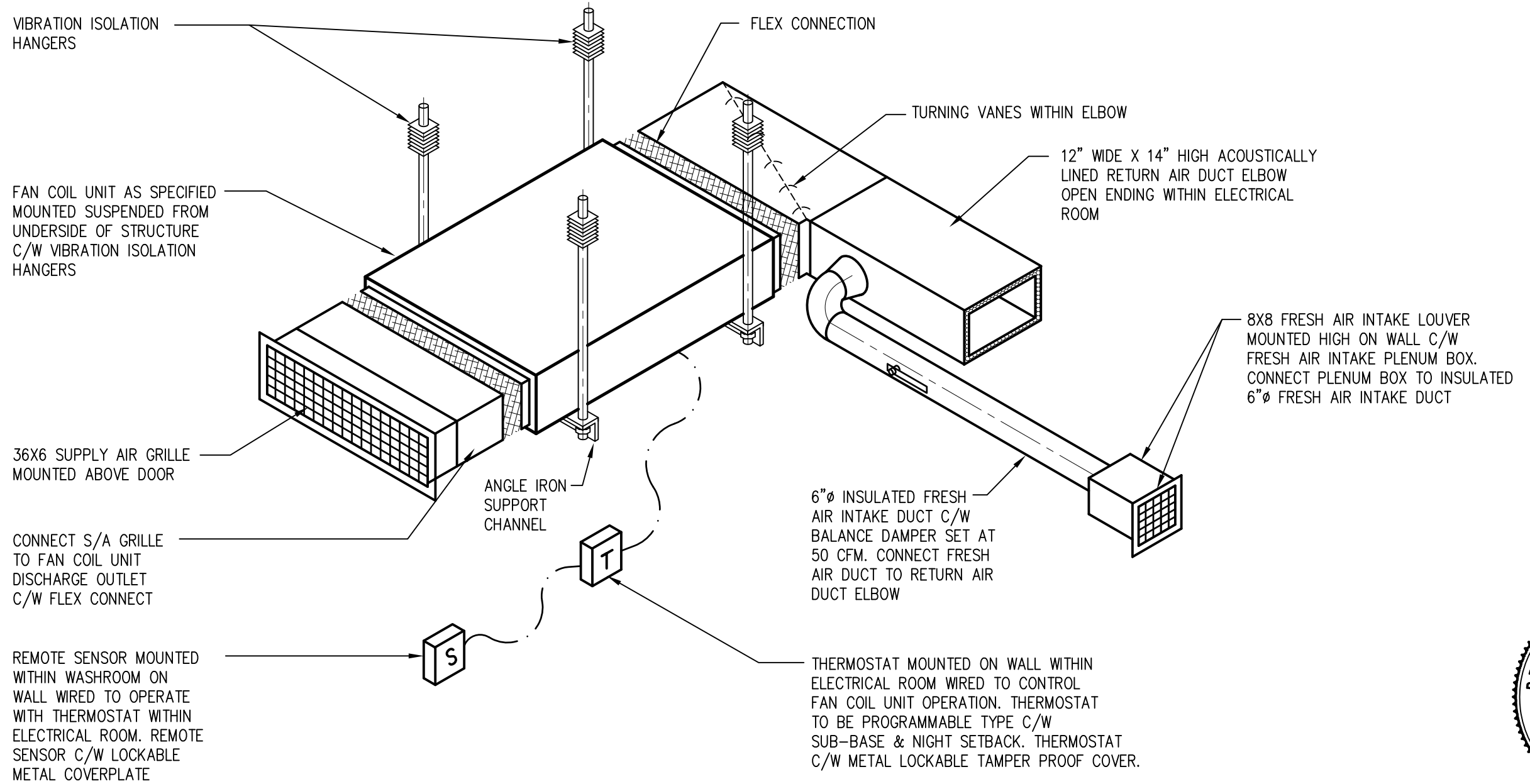
GROUND FLOOR PLAN - H.V.A.C.

SCALE: 3/8"=1'-0"
DATE: JUNE 3, 2013

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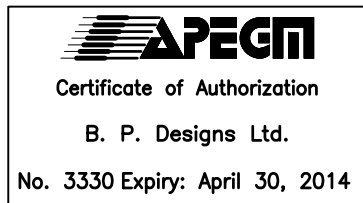
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FAN COIL UNIT INSTALLATION AND DUCTWORK CONNECTION DETAIL

N.T.S.



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COMFORT STATION FOR WINNIPEG TRANSIT

FAN COIL UNIT INSTALLATION & DUCTWORK CONN. DETAIL

REV. 0 13/06/20 ISSUED FOR TENDER & CONSTRUCTION

SCALE: N.T.S. DATE: JUNE 3, 2013

Victor Suen Architect

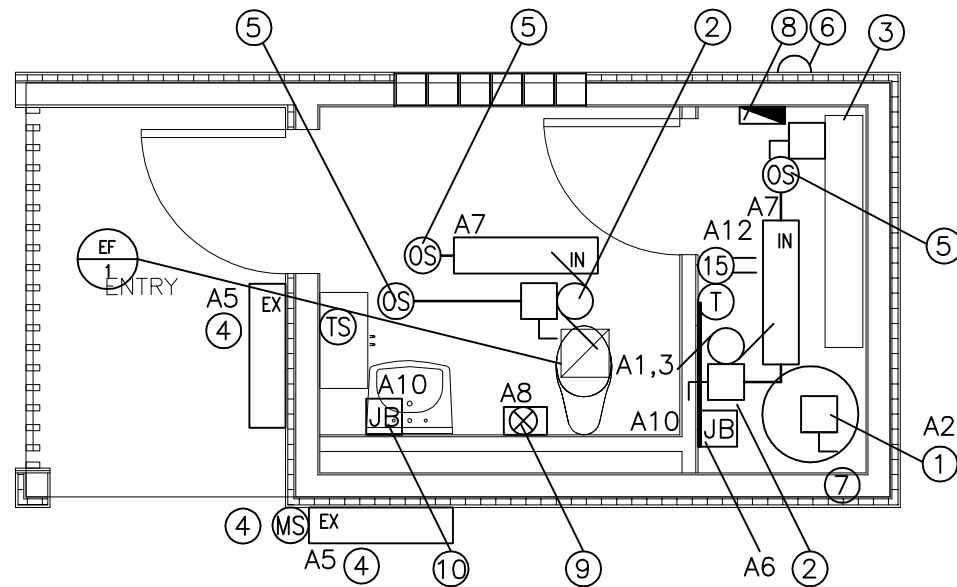
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DRAWING NOTES:

- ① -HOT WATER TANK
- ② -EXHAUST FANS TO BE OPERATED ON MOTION SENSOR C/W WIREGUARD (REFER TO MECHANICAL DRAWINGS)
- ③ -FCP-1.; COORDINATE ADEQUATE CLEARANCE WITH MECHANICAL TRADES PRIOR TO ORDERING & INSTALLATION AS LOCATION OF ELECTRICAL PANEL IMMEDIATELY ADJACENT FCP-1.
- ④ -EXTERIOR VANDAL RESISTANT LUMINAIRES TO OPERATE ON MOTION SENSOR. (EXTERIOR LUMINAIRES TO ONLY OPERATE UPON MOVEMENT ADJACENT THE COMFORT STATION BUILDING. VANDAL RESISTANT MOTION CONTROL C/W WIREGUARD.
- ⑤ -INTERIOR VANDAL RESISTANT LUMINAIRES & EXHAUST FANS TO OPERATE ON GREENGATE MICROSET DUAL TECH LINE VOLTAGE CEILING SENSOR C/W WIREGUARD.
- ⑥ -WEATHERPROOF SERVICE HEAD & EXTERIOR METER SOCKET. EXTEND SERVICE CONDUCTORS TO 15' ABOVE GRADE. PROVIDE 36" INCH LOOP FOR MANITOBA HYDRO TERMINATION. COORDINATE WITH MANITOBA HYDRO FOR CONNECTION.
- ⑦ -HEAT TRACE TAPE TO RUN FOR A MIN. 12' OF PIPE RUN FOR INCOMING WATER LINE. COORDINATE REQUIREMENTS WITH MECHANICAL CONSULTANT PRIOR TO INSTALLATION & ORDERING OF MATERIALS. HEAT TRACE SHALL BE EQUAL TO EMERSON PSR ELECTRICAL HEAT TRACE TAPE - "PSR 1020 250W 120V"
- ⑧ -PANEL "A" MUST MAINTAIN 1 METER CLEARANCE DIRECTLY IN FRONT OF PANEL.
- ⑨ -HAND DRYER (AS SPEC.'ED BY ARCHITECT)EXTREME AIR GXT9-C
- ⑩ -JB FOR MOTION SENSOR FAUCET.(COORDINATE EXACT LOCATION/REQUIREMENTS WITH MECHANICAL PRIOR TO ORDERING & INSTALLATION)

SYMBOL LEGEND

- TYPE E - EXTERIOR VANDAL RESISTANT LUMINAIRE. LUMINAIRE LIGHTING VPF4-3-21WHP-3500K-120-CP-BLK-WET-TX/SD
- TYPE E - INTERIOR VANDAL RESITANT LUMINAIRE. LUMINAIRE LIGHTING LVP751-56W-3500K-120-CP-WHT-TX/SD
- GREENGATE MICROSET DUAL TECH LINE VOLTAGE CEILING SENSOR C/W WG
- MOTOR OUTLET
- DISCONNECT SWITCH-EXTERIOR=WEATHERPROOF
- RECEPTACLE: 15 AMP DUPLEX
- RECEPTACLE: 15 AMP GFCI RECEPTACLE C/W WEATHER PROOF COVER
- JUNCTION BOX
- POWER PANEL
- HEATING COOLING THERMOSAT (C/W CONTROL WIRING TO FAN COIL UNIT)
- GREENGATE MOTION SENSOR C/W WIREGUARD.
- DIRECT CONNECTION
- 3' BY 4' PLYWOOD BBRD (GOOD ONE SIDE) PAINTED GREY
- REMOTE T STAT SENSOR (REFER TO MECHANICAL FOR SPECS)



LIGHTING, POWER & SYSTEMS

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

ADDITIONAL (OWNER-CITY OF WINNIPEG) REQUIREMENTS)

INCLUDED IN THE ELECTRICAL SCOPE OF WORK:

- INSTALL A 3/4" PLYWOOD (3'W X 4'H GOOD ONE SIDE, PAINTED GREY) ON THE INSIDE WALL OF THE MECHANICAL ROOM. THE PLYWOOD MUST BE MOUNTED ONE FOOT AWAY FROM THE MECHANICAL ROOM DOOR AND THREE FEET OFF THE FLOOR.
- SUPPLY ONE 120 VOLT CIRCUIT IN A SINGLE GANG ELECTRICAL BOX TO THE TOP LEFT CORNER OF THE PLYWOOD.
- INSTALL TWO 3/4" EMT PIPES FROM THE TOP OF THE PLYWOOD TO THE INSIDE CORNER (DOOR LATCH SIDE) OF BOTH THE WASHROOM AND MECHANICAL DOOR FRAMES. THIS PIPE WILL BE USED TO SUPPLY POWER TO THE DOOR FOR THE ELECTRIC STRIKES AND THE CONTACTS.
- INSTALL A 1/2" EMT PIPE (CARD READER) INSIDE THE WALL, 30 INCHES OFF THE FLOOR AND ONE FOOT AWAY FROM THE WASHROOM DOOR ENTRANCE HANDLE. THE WASHROOM DOOR CARD READER WILL BE INSTALLED INSIDE THE WALL ONE FOOT FROM THE DOOR LATCH. A 6"X6" ACCESS HATCH WILL HAVE TO BE INSTALLED ON THE INSIDE WALL TO SERVICE THE CARD READER.
- ALL PIPE FOR FUTURE OWNER USE TO HAVE PULL WIRES INSTALLED. PULL WIRES FOR THE CARD READERS MUST END AT THE DOOR STRIKE PLATE ON THE FRAME FOR BOTH DOORS.
- THE PANIC BUTTON, STROBE LIGHT, DOOR CONTACTS, DOOR STRIKES POWER SUPPLY, AND CARD ACCESS PANEL IS NOT A PART OF THIS SCOPE OF WORK & WILL BE INSTALLED AT A LATER DATE BY OWNER.

REV	DATE	DESCRIPTION	BY	CHK	APP
0	JUNE 20/13	ISSUED FOR TENDER & CONSTRUCTION	PY	RK	



MEG-A-RON ENGINEERING SERVICES
 22 MITCHELL BAY
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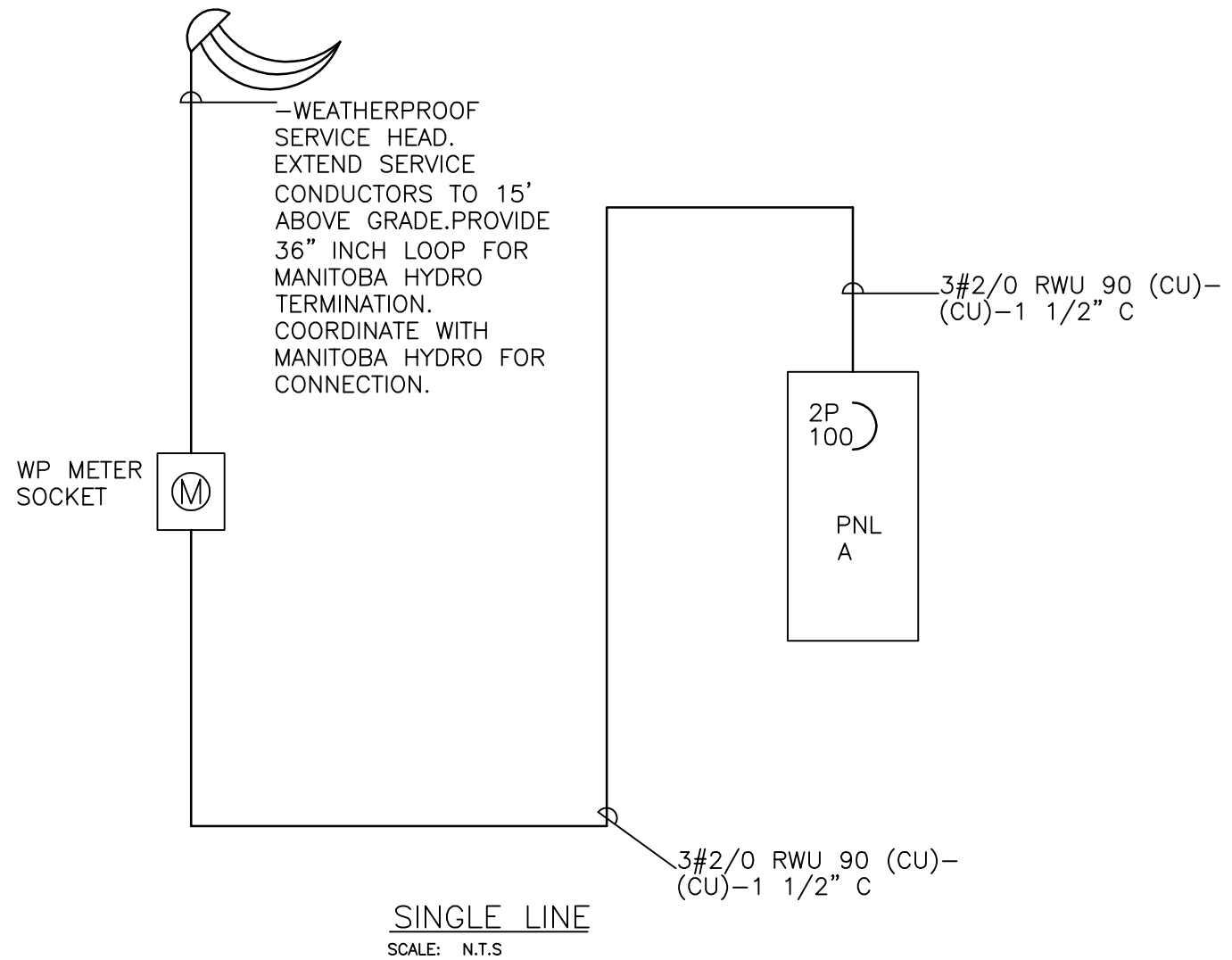
DRAWN BY:	PY
DATE:	APRIL 10/13
SCALE:	1/4" = 1' 0"
CHECKED BY:	--
DATE:	
APPROVED BY:	

CLIENT:	VICTOR SUEN ARCHITECT 23 STORMANT DRIVE WINNIPEG, MANITOBA
PROJECT:	WINNIPEG TRANSIT COMFORT STATION WINNIPEG, MANITOBA

REFERENCE DRAWINGS	
DRAWING TITLE:	ELECTRICAL POWER & SYSTEMS, AND LIGHTING
DRAWING NO:	E-01
REVISION	0

SUMITECH SERVICES LIMITED
 TECHNICAL SERVICES PROJECT MANAGERS
 166 eugenie street winnipeg, manitoba R2H 0X6
 tel: 204 235 0940 fax: 204 235 0943 email: sumitech3@shaw.ca

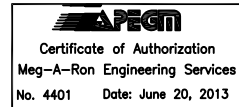
PANEL SCHEDULE							
PANEL #	A			PANEL TYPE 24CCT PANELBOARD			
MOUNTING	SURFACE MOUNTED		VOLTAGE		120/240V		
TOTAL LOAD	8.5kW ESTIMATED DEMAND		PHASE:		1 ϕ		
FED FROM	OVERHEAD SERVICE		MAIN BREAKER		2P100		
FEEDER	3#2/0 RW90(CU)-2" C + #3(CU) GND						
NOTES							
WATTS	DESCRIPTION	No	C/B	C/B	No	DESCRIPTION	WATTS
4.0kW	FCP-1	1	2P	20	2	HOT WATER TANK	1.5kW
4.0kW		3	50	20	4	SPARE	
100w	LIGHTS EXTERIOR	5	15	15	6	OWNER SUPPLIED SECURITY	800w
300w	INTERIOR LIGHTS/EX. FANS	7	15	20	8	HAND DRYER	1.5kW
1kW	HEAT TRACE(INCOMING H2O)	9	15	15	10	AUTO SENCOR(TAPS)	100w
		11	15	15	12	CONV. RECEPTACLE	300w
		13			14		
		15			16		
		17			18		
		19			20		
		21			22		
		23			12		



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DATE:	APRIL 10/13
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DATE:	
APPROVED BY:	

CLIENT: VICTOR SUEN ARCHITECT
 23 STORMANT DRIVE
 WINNIPEG, MANITOBA

PROJECT: WINNIPEG TRANSIT
 COMFORT STATION
 WINNIPEG, MANITOBA

REFERENCE DRAWINGS	
DRAWING TITLE:	PANEL SCHEDULE & SINGLE LINE
DRAWING NO:	E-02
REVISION	0

