

Please Note:

This addendum includes drawings that are located, as separate files in the “Drawings” folder.

City of Ottawa
Supply Branch
100 Constellation Crescent
4th Floor, West Tower
Nepean, Ontario K2G 6J8
Fax: (613) 560-2126
Telephone: (613) 580-2424



Ville d'Ottawa
Gestion des approvisionnement
100, croissant Constellation
4^e étage, tour Ouest
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ADDENDUM #5

**Construction of Barrhaven Fire Station # 47 at 3559 Greenbank Road
02510-90922-T18
09 September 2010**

Please note the following changes and /or clarifications to the above noted Request for Tender document:

Instructions / Clarifications:

Please find addendum #5 attached 20 pages dated 08 September 2010 as prepared by CSV Architects.

"This addendum forms part of the Request for Tender. Please indicate in section 00 40 00 of the Form of Tender receipt thereof. Failure to do so may result in rejection of the tender submission. All other terms and conditions remain the same."

For further information, please contact Marcel Champagne, Purchasing Officer, Supply Branch at 613-580-2424 ext 25830.

End of Addendum No. 5

OCA-10-1194



ADDENDUM 05

BARRHAVEN FIRE STATION No. 47

Project Address:	3559 Greenbank Rd, Ottawa, ON	Date:	2010-09-08
Owner:	City of Ottawa	Items/pages:	20 pages
Permit No.:	Pending	CSV Project No.:	2009-0730

NOTE: This Addendum forms part of the contract documents and is to be read, interpreted, and coordinated with all other parts. The following changes and clarifications are made to the tender documents for the project listed above. Where drawings and specification section references are given, these are for guidance only. It is the responsibility of the Contractor to ensure that all relevant work is provided to implement the addendum.

Item	Drawing	Specification	Description
1.0			INSTRUCTIONS TO TENDERERS
1.1		00 20 00	<ul style="list-style-type: none"> Article 3.1 – revise article to read: “Tenders shall be received until: 3:00p.m. local time September 13, 2010.”
2.0			MORTAR AND MASONRY GROUT
2.1		04 05 13	<ul style="list-style-type: none"> Article 2.1.7 – Clarification: Non-staining mortar is to be used for all types of masonry.
3.0			BRICK MASONRY
3.1		04 21 13	<ul style="list-style-type: none"> Article 2.6.3 – Revise to read: “Weeps: Pre-formed plastic tubes, hollow”.
4.0			DIMENSION STONE
4.1		04 42 39	<ul style="list-style-type: none"> Add Item 3.7.4: Privacy Wall stone to be Split Faced Sandstone.
5.0			STONE VENEER ANCHORS
5.1		04 42 39	<ul style="list-style-type: none"> Add Article 2.4.13 – “Stone Masonry anchors: Blok-lok BL-407, or BL-200 stainless steel”.
6.0			INTERIOR MASONRY VENEER (CONCRETE BLOCK)
6.1	4/A820, 8/S310		<ul style="list-style-type: none"> Clarification: Interior Masonry Veneer (Concrete Block) is anchored at the top as per 4/A820 and 8/S310. No additional anchorage to steel stud backup is required.
7.0			DRAWING A200
7.1	A200		<ul style="list-style-type: none"> Full size PDF of drawing A200 (Issued for Addendum 01 dated August 26, 2010) attached for information.

8.0		FURNITURE AND FITTINGS
8.1	A603	<ul style="list-style-type: none"> See revised A630 clarifying owner supplied furniture and fittings and contractor installed items.
9.0		COLD APPLIED WATERPROOFING
9.1	07 14 16	<ul style="list-style-type: none"> Delete Article 2.3.1 "Protection Board...".
9.2	07 14 16	<ul style="list-style-type: none"> Delete Article 3.4 – "Installation – Protection Board...".
10.0		WASHROOM ACCESSORIES
10.1	10 28 14	<ul style="list-style-type: none"> Add Article 2.3.8 – "Surface-Mounted Soap Dish, locations as per drawings: <ol style="list-style-type: none"> Size: 110mm x 85mm with 50mm wide concealed mounting bracket. Bobrick Surface-Mounted Soap Dish Model B-6807 Finish: Satin-finish stainless steel.
10.2	A641	<ul style="list-style-type: none"> Delete Note Item 17: "Folding Shower Seat" on Interior Finish Legend.
10.3	10 28 14	<ul style="list-style-type: none"> Add Article 2.3.3.4: "Frost Stainless Steel Shower Rod 1145".
10.4	10 28 14	<ul style="list-style-type: none"> Add Article 2.3.4.4: "Frost Robe Hook 1138S".
10.5	A641	<ul style="list-style-type: none"> Add two (2) grab bars to 114 Men's WC as per attached CSV SKA62.
10.6	A641	<ul style="list-style-type: none"> Add one (1) urinal visual vertical marker as per attached CSV SKA62.
10.7	A641	<ul style="list-style-type: none"> Clarification: See attached CSV Sketch SKA62 for location of urinal cleanouts.
11.0		MILLWORK
11.1	A640, A651, A821	<ul style="list-style-type: none"> Revise 'Time Capsule' design as per attached CSV Sketches SKA56, SKA57, and SKA58 dated September 8, 2010.
11.2	A640, A651	<ul style="list-style-type: none"> Revise 'Trophy Case' design as per attached CSV Sketch SKA59 dated September 8, 2010.
11.3	A641	<ul style="list-style-type: none"> Revise width of millwork at sinks in Rooms 114 and 119 as per attached CSV Sketch SKA063.
12.0		INTERIOR ELEVATIONS
12.1	A640	<ul style="list-style-type: none"> Clarification: See attached CSV Sketch SKA061 for location of gas shut-off.
13.0		HOSE TOWER DETAILS
13.1	A501	<ul style="list-style-type: none"> Change "Bent steel plate to protect duct" as referred to in details 1&2/A501 and shown in elevation in details 7&8/A501 to "Duct guard". Construct duct guard out of steel angles and 1 inch square metal mesh, with welded connections and metal supports as needed. Provide adequate blocking.

14.0		ARCHITECTURAL WOODWORK
14.1	06 40 00	<ul style="list-style-type: none"> ▪ Article 2.4.1.3 Shelving: Delete “laminated with plastic laminate”, replace with “Vertical grain caramelized bamboo with clear finish, by Teragren”.
15.0		FLOOR FINISH DETAIL
15.1	A611	<ul style="list-style-type: none"> ▪ Revise detail 5/A611 – Maltese Cross Inlay as per attached CSV Sketch SKA055 dated September 8, 2010.
16.0		WALL FINISHES
16.1	A620	<ul style="list-style-type: none"> ▪ Revise wall finish plan as per attached CSV Sketch SKA054 dated September 8, 2010.
17.0		ACOUSTIC INSULATION
17.1	07 21 00	Article 2.1.5 – Revise sentence .1 to read: “Thickness 89mm and 152mm to suit partition thickness.
18.0		ROOF ANCHORS
18.1	07 61 13	<ul style="list-style-type: none"> ▪ Add Article 2.4.6 Roof Anchors (see spec section included in Addendum 03 Item 9): <ol style="list-style-type: none"> 1. Acceptable Manufacturers: <ol style="list-style-type: none"> 1. Guardian Fall Protection 2. DBI Sala Fall Protection Systems 3. Pro-Bel Safety Systems
18.2	07 52 00	<ul style="list-style-type: none"> ▪ Add Article 2.7.5 Roof Anchors (see spec section included in Addendum 03 Item 9): <ol style="list-style-type: none"> 1. Acceptable Manufacturers: <ol style="list-style-type: none"> 1. Guardian Fall Protection 2. DBI Sala Fall Protection Systems 3. Pro-Bel Safety Systems
19.0		BOLLARDS
19.1	32 17 13	<ul style="list-style-type: none"> ▪ Article 2.1.1 – Revise to read: “Steel Bollards: Steel tube, 200mm diameter (exterior bollards) or 100mm diameter (interior bollards), 6mm wall thickness, finish height: as indicated on drawings”.
19.2	A102	<ul style="list-style-type: none"> ▪ Add detail 15/A102 as per attached CSV Sketch SKA60 dated September 8, 2010.
19.3	A204	<ul style="list-style-type: none"> ▪ Add detail reference to Notes 4 and 5 on Apparatus Bay Legend as per CSV Sketch SKA60 dated September 8, 2010.
20.0		DOOR & ROOM FINISH SCHEDULES
20.1	1/A700	<ul style="list-style-type: none"> ▪ Revise Door Frame Material of Doors D006, D007, D008, D009, D010, D011 to Painted Steel.
20.2	3/A701	<ul style="list-style-type: none"> ▪ Revise Ceiling Finish in rooms 127, 128, 129, 130 to ACT.
21.0		BACKFILLING
21.1	31 23 23	<ul style="list-style-type: none"> ▪ Delete Article 3.4 “Backfilling – Slab on grade”.
21.2	31 23 23	<ul style="list-style-type: none"> ▪ Replace with Article 3.4 “Backfilling – Engineered Fill, Footing Trenches, Trenches, Parking Areas and

Roadways

1. Engineered Fill under footings and underfloor fill – OPSS 1010 Granular “B”, Type II; placed in 300mm lifts and each lift compacted to 100 percent of the Standard Proctor Maximum Dry Density.
2. Backfill of footing trenches (interior and exterior) – OPSS 1010 Granular B Type I or II; placed in 300mm lifts and each lift compacted to 98 percent of the Standard Proctor Maximum Dry Density.
3. Trench backfill and subgrade fill in parking areas and access roadways – OPSS 1010 Select Subgrade Material, placed in 300mm lifts and each lift compacted to 95 percent of the Standard Proctor Maximum Dry Density”.

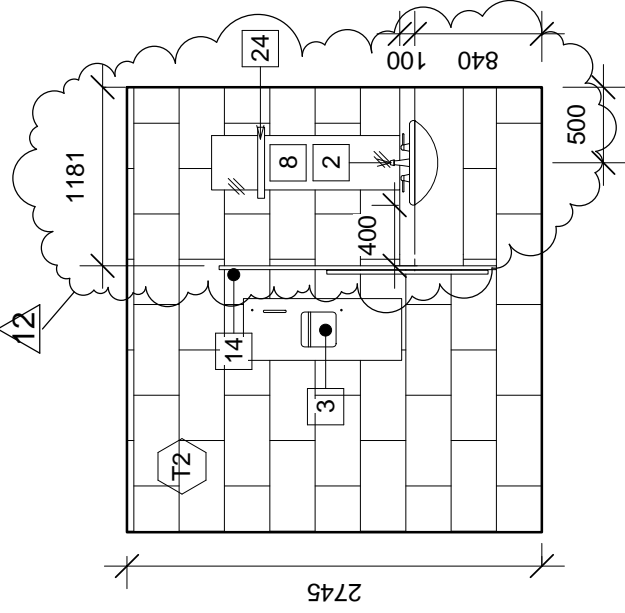
22.0	MECHANICAL ENGINEERING
22.1	<ul style="list-style-type: none"> ▪ See attached McKee Engineering Addendum # M004, dated September 8, 2010.
23.0	ELECTRICAL ENGINEERING
23.1	<ul style="list-style-type: none"> ▪ See attached McKee Engineering Addendum # E003, dated September 8, 2010.

END OF ADDENDUM

ATTACHMENTS

- | | |
|----|--|
| 10 | CSV Sketches SKA054-SKA063 dated September 8, 2010. |
| 1 | CSV Drawing A630 Issued for Addendum 05 dated September 8, 2010. |
| 1 | CSV Drawing A200 Issued for Addendum 01 dated August 26, 2010. |
| 1 | Mechanical Addendum dated September 8, 2010. |
| 3 | Electrical Addendum dated September 8, 2010. |

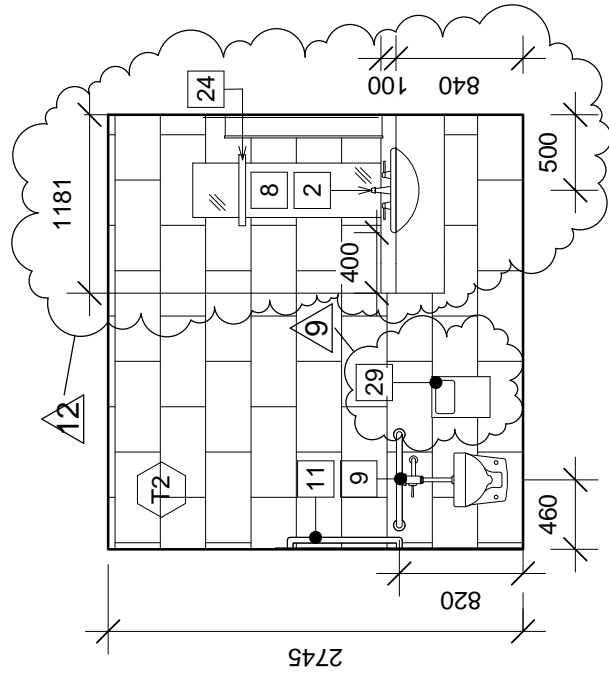
DISTRIBUTION	NAME	TELEPHONE	E-MAIL
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City of Ottawa	Marcel Champagne		marcel.champagne@ottawa.ca
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McKee Engineering	Robert Godbout		robert.godbout@mckeeottawa.ca
CSW	Scott Mason		mason@csw.ca
MGL	Mike Lapetina		lapetina@bell.net



8 114 MEN'S WC - EAST

1 : 50

A641



13 119 WOMENS WC - SOUTH

1 : 50

A641



Sustainable design
Conception écologique

613.564.8118 613.725.3562 www.csv.ca
402-1066 Somerset St. W. Ottawa, ON K1Y 4T3

Stamp

Project

BARRHAVEN FIRE
STATION NO. 47
3559 GREENBANK
ROAD

Drawing

INTERIOR
ELEVATIONS -
WASHROOM SINKS

Designed/Drawn By

Author

Scale

1 : 50

Approved By

Approver

Sheet No.

SKA063

Drawing Date

09/08/10

Project No.

2009-0730

Stamp

Project

**BARRHAVEN FIRE
STATION NO. 47**
3559 GREENBANK
ROAD

Drawing

**INTERIOR
ELEVATIONS -
MALE WASHROOMS**

Designed/Drawn By

Scale
1 : 50

Author

Sheet No.

Approved By

Approver

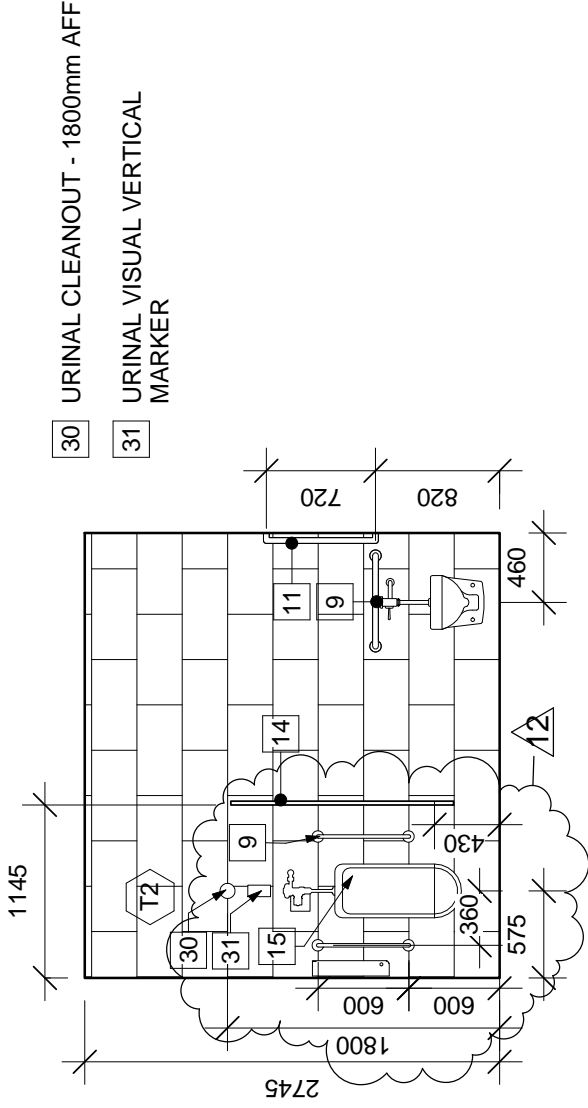
Drawing Date

09/08/10

Project No.

2009-0730

SKA062

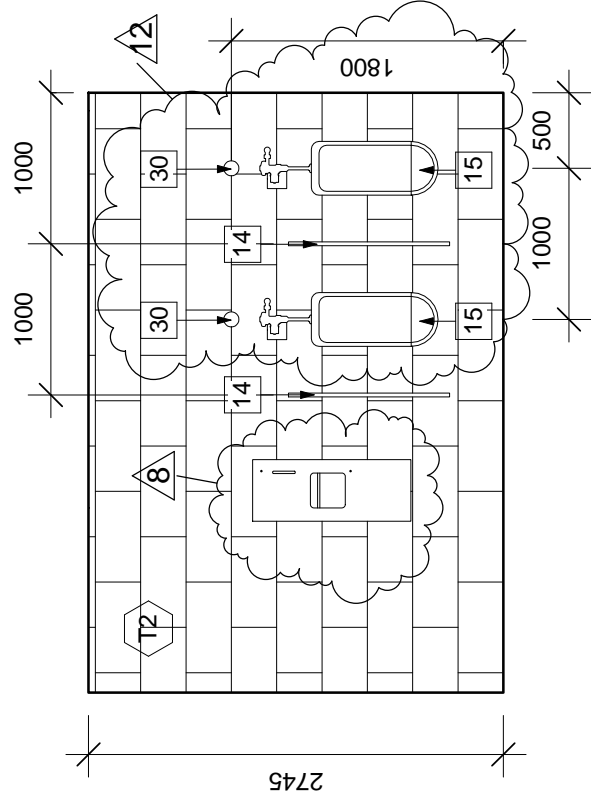


30 URINAL CLEANOUT - 1800mm AFF

31 URINAL VISUAL VERTICAL MARKER

10 114 MEN'S WC - WEST

1 : 50



15 116 MALE WASHROOM - NORTH

1 : 50



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Stamp

Project

BARRHAVEN FIRE
STATION NO. 47
3559 GREENBANK
ROAD

Drawing

REVISED DRAWING
5/A640 INTERIOR
ELEVATION 107
KITCHEN NORTH

Designed/Drawn By

DH / IK

Scale

1 : 50

Approved By

DH

Sheet No.

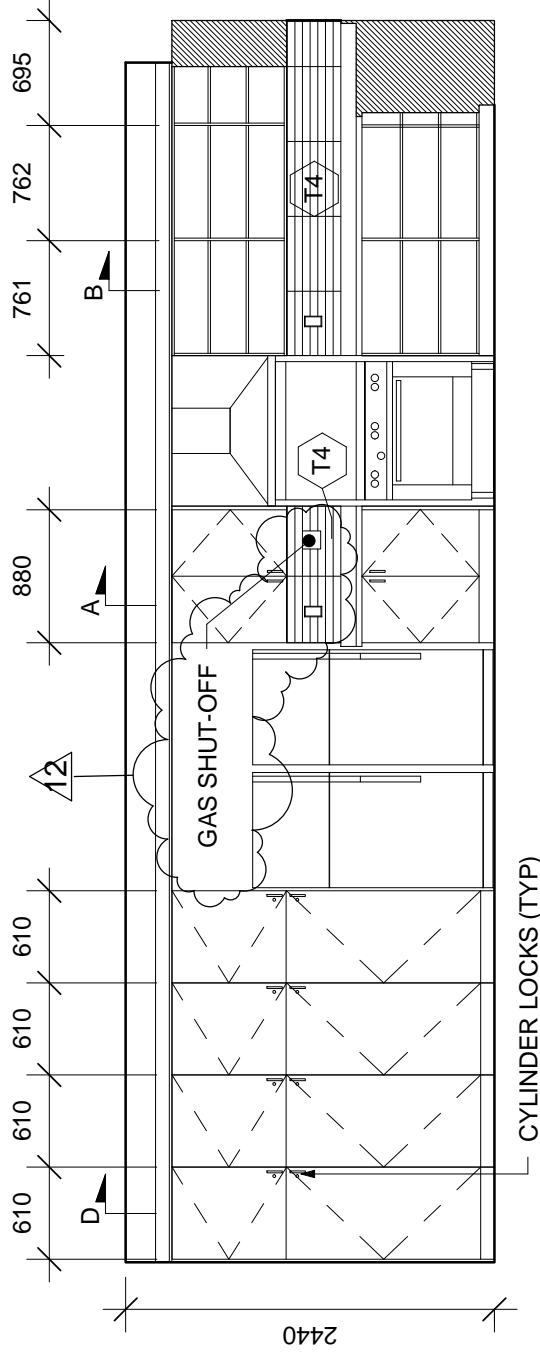
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Drawing Date

09/08/10

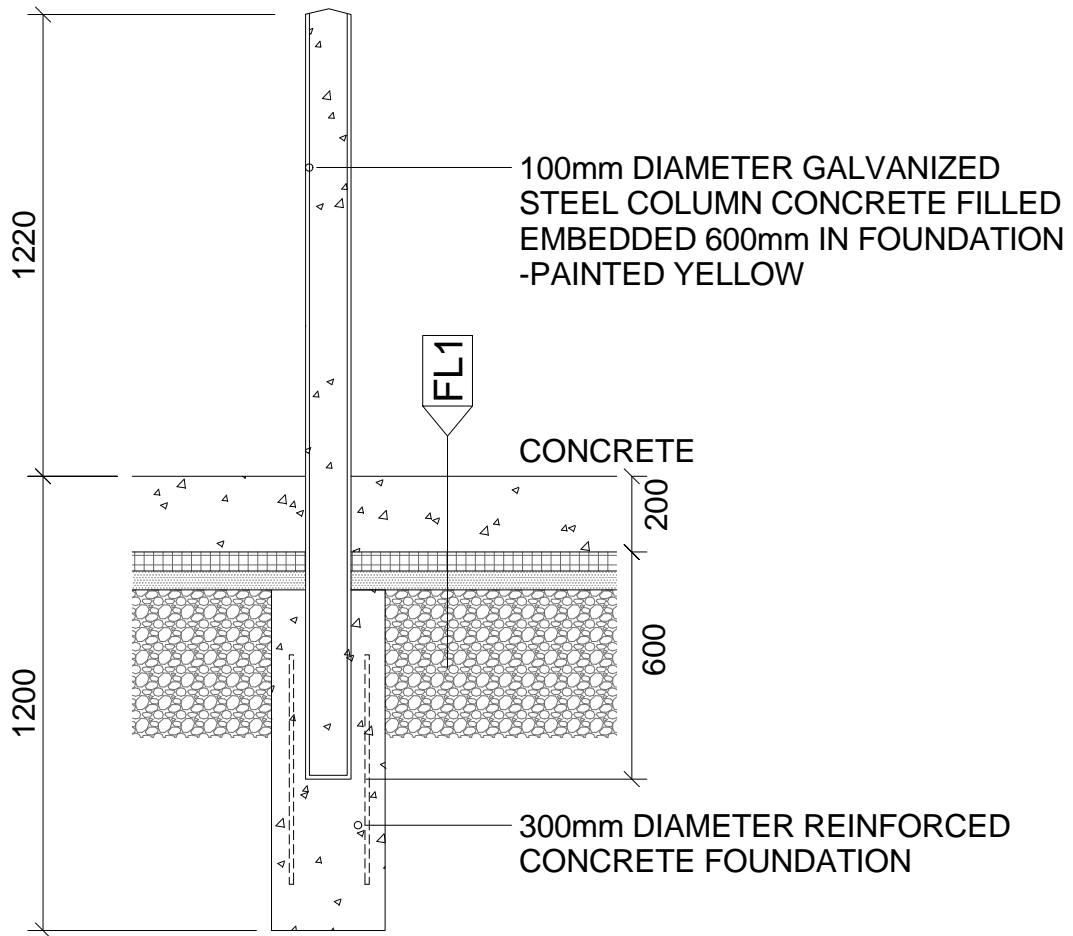
Project No.

2009-0730




APPARATUS BAY LEGEND

- 1 HOSE ROLLER - SEE DETAILS 2, 3, 5 /A861
- 2 LOCKERS
- 3 MECHANICAL DUCTS - SEE MECHANICAL
- 4 INT. BOLLARD (TYP) - SEE DETAIL 15/A102
- 5 EXT. BOLLARD (TYP) - SEE DETAIL 3/A102



15 Interior Bollard Section
A102 Scale: 1 : 10

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	<p>Drawing</p> <p>INTERIOR BOLLARD DETAIL</p>	<p>Approved By</p> <p>DH</p>	<p>Sheet No.</p>
		<p>Drawing Date</p> <p>09/08/10</p>	<p>SKA60</p>
		<p>Project No.</p> <p>2009-0730</p>	



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Stamp

Project

**BARRHAVEN FIRE
 STATION NO. 47**
 3559 GREENBANK
 ROAD

Drawing

TROPHY CASE

Designed/Drawn By

Author

Scale
 AS indicated

Approved By

Approver

Sheet No.

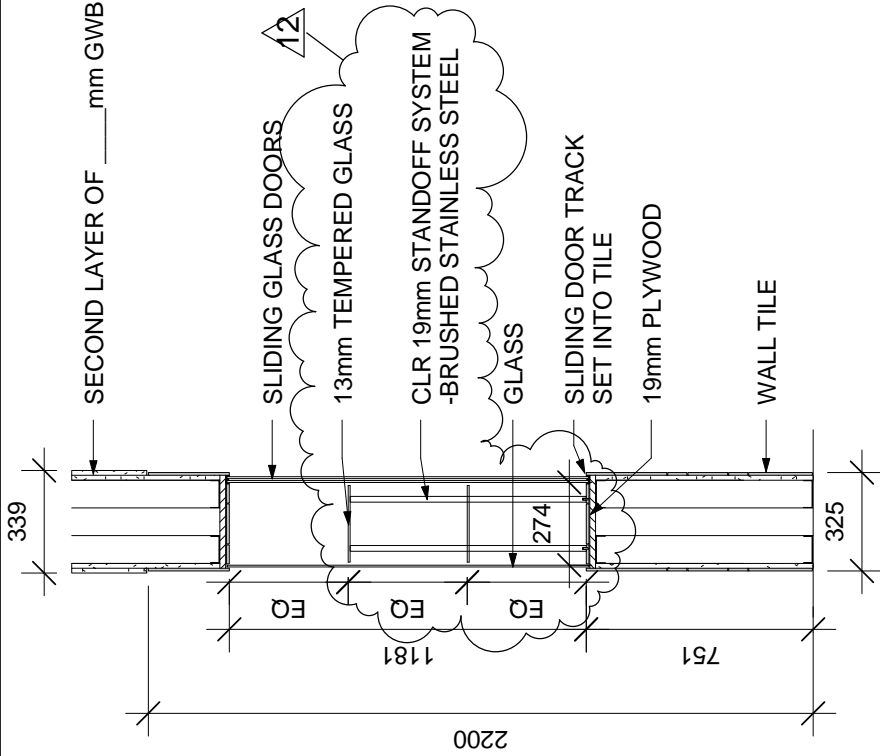
Drawing Date

09/08/10

Project No.

2009-0730

SKA059

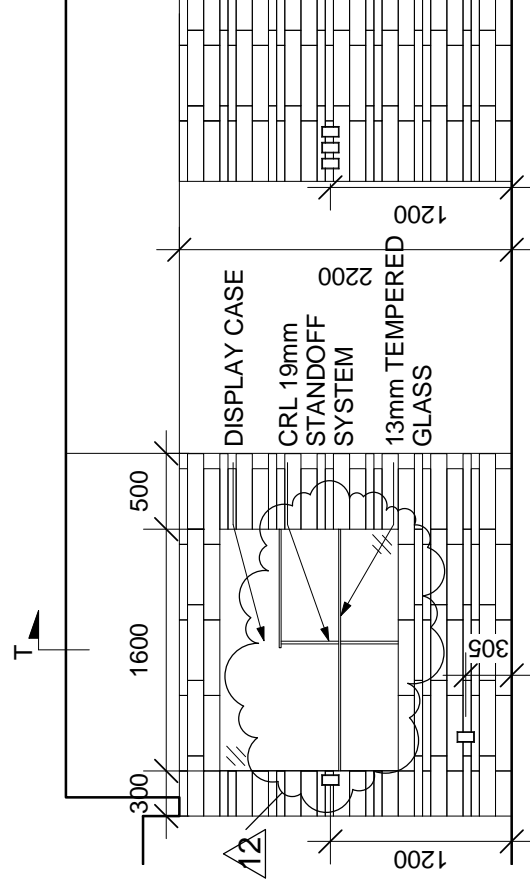


SECTION T

1 Foyer millwork sections

1 : 25

A651



3 101 FOYER - SOUTH

1 : 50

A640



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Stamp

Project

BARRHAVEN FIRE
 STATION NO. 47
 3559 GREENBANK
 ROAD

Drawing

INTERIOR
 ELEVATIONS -
 FOYER

Designed/Drawn By

Scale
 1 : 50

Author

Sheet No.

Approved By

Project No.

Approver

9/08/10

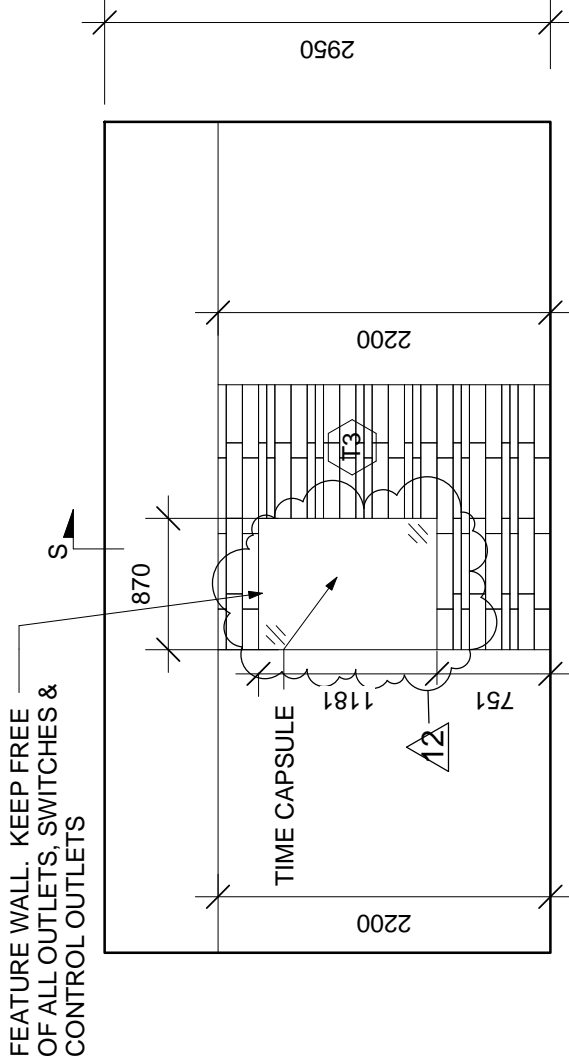
Drawing Date

2009-0730

Project No.

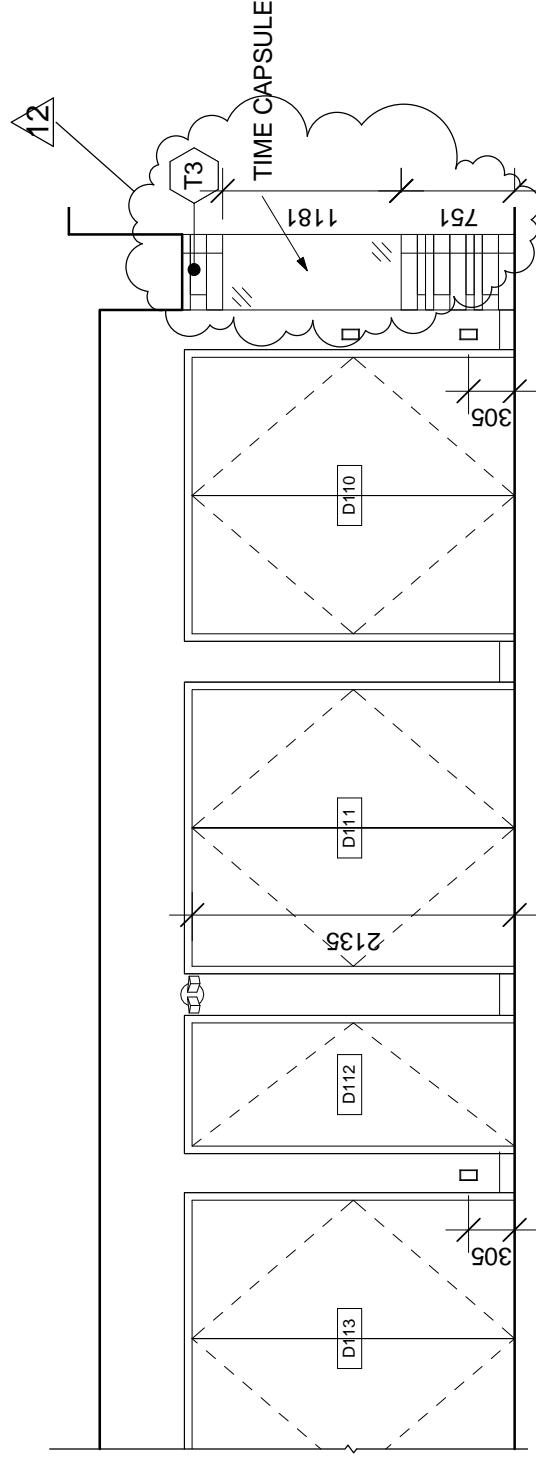
SKA058

2009-0730



2 101 FOYER - EAST

A640 1 : 50



11 109 CORRIDOR SOUTH

A640 1 : 50



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Stamp

Project

BARRHAVEN FIRE
STATION NO. 47
3559 GREENBANK
ROAD

Drawing

TIME CAPSULE
SECTION

Designed/Drawn By

Author

Scale

1 : 25

Approved By

Approver

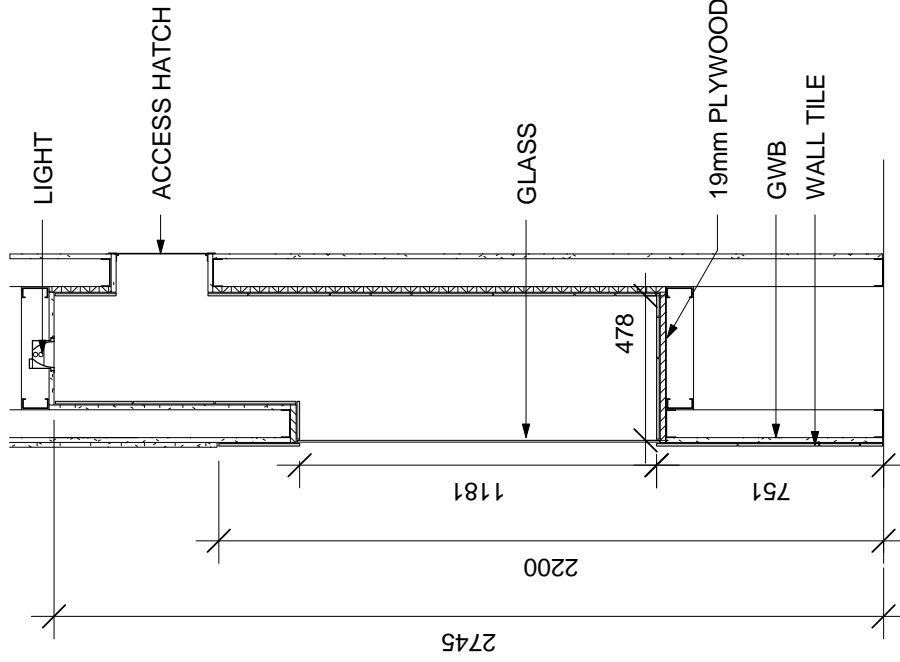
Drawing Date

09/08/10

Project No.

2009-0730

SKA057



SECTION S

1 Foyer Millwork Sections

1 : 25

A651



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Stamp

Project

BARRHAVEN FIRE
 STATION NO. 47
 3559 GREENBANK
 ROAD

Drawing

TIME CAPSULE
 PLAN

Designed/Drawn By

Scale
 1 : 10

Author

Sheet No.

Approved By

Approver

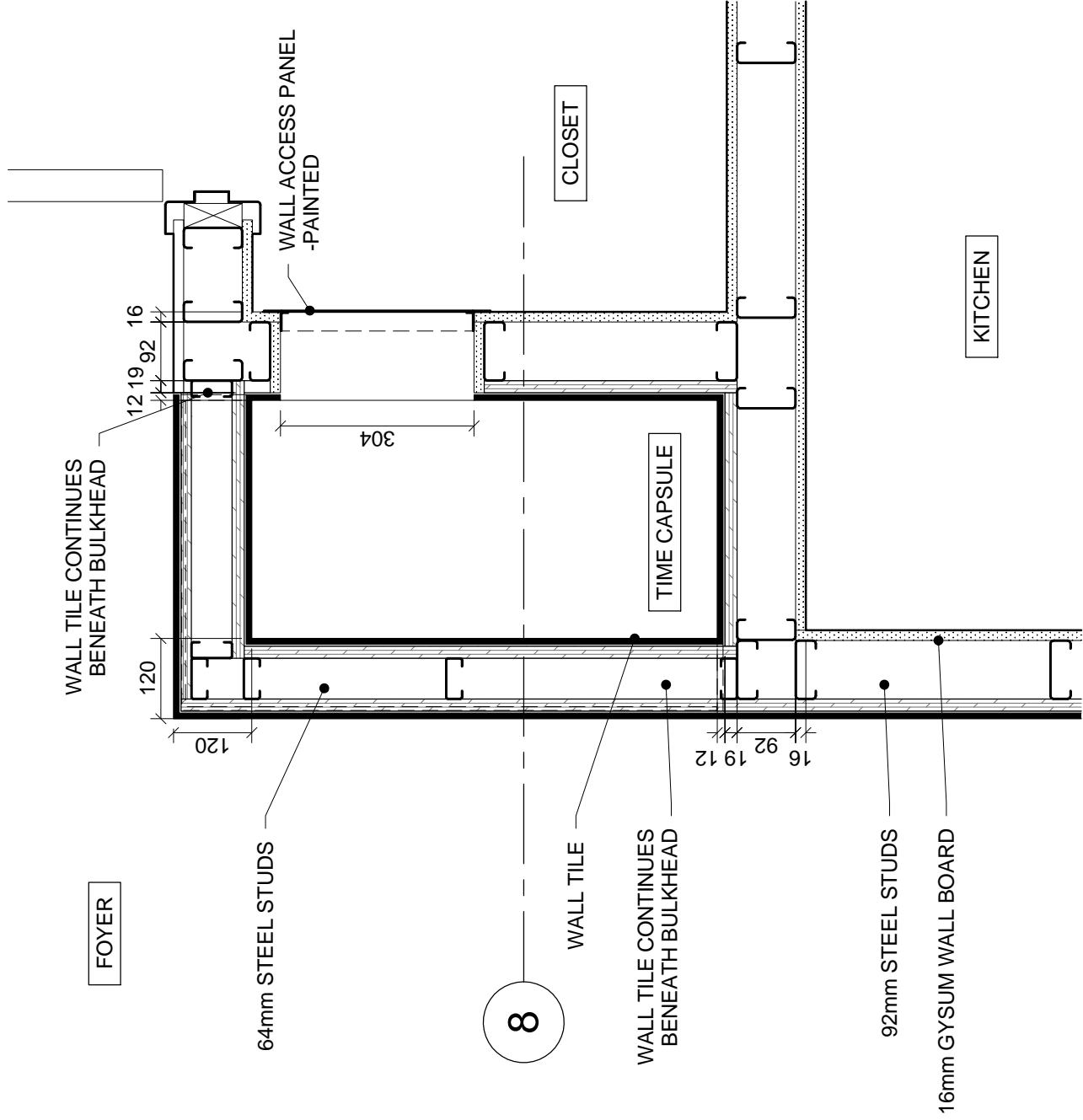
Drawing Date

09/08/10

Project No.

2009-0730

SKA056



12 TIME CAPSULE PLAN

1 : 10

A821



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 Conception écologique ☎ 402.1066.5011 ✉ 402.1066.5012 www.csv.ca

Stamp

Project

**BARRHAVEN FIRE
 STATION NO. 47
 3559 GREENBANK
 ROAD**

Drawing

**REVISED DRAWING
 5/A611 - MALTESE
 CROSS INLAY**

Designed/Drawn By

DH/IK

Scale

1 : 2

Approved By

DH

Sheet No.

Drawing Date

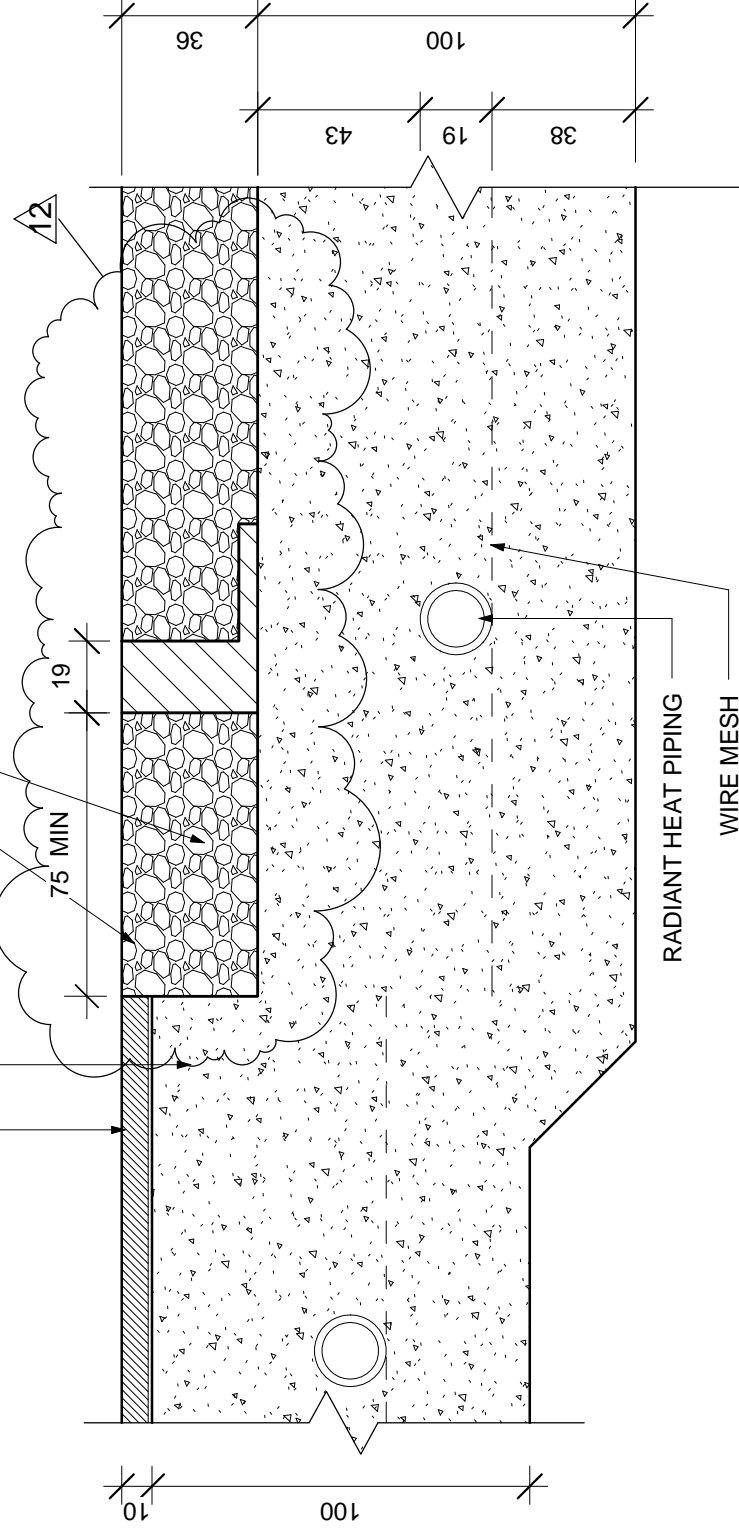
09/08/10

Project No.

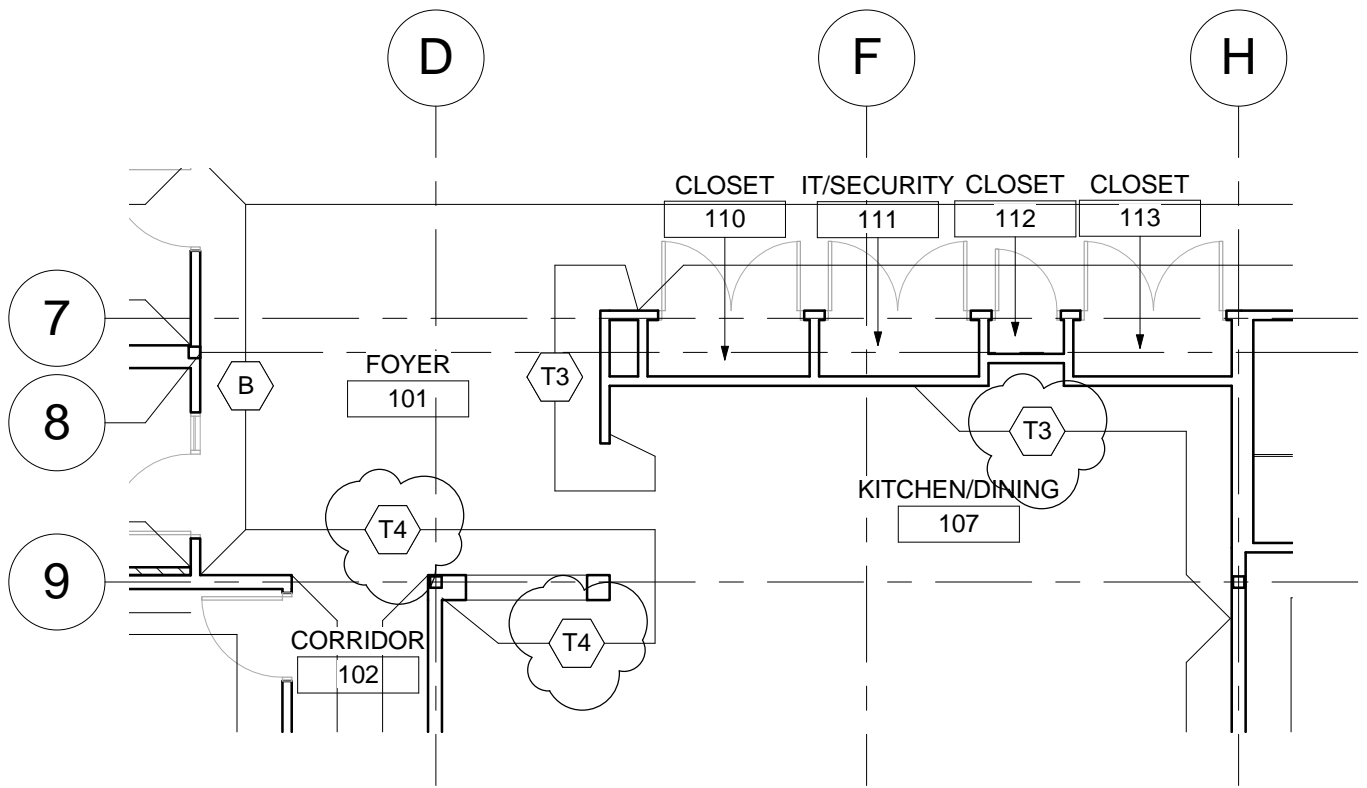
2009-0730

SKA055

FINISHED FLOOR (CERAMIC TILE)
 CONCRETE SLAB
 FRAME - SUPPLIED BY OWNER/INSTALLED BY
 CONTRACTOR
 3/8" DECORATIVE CLEAR PEA STONE
 W/ FLEXTILE - "CAFE AU LAIT #655" SANDED
 EPOXY GROUT



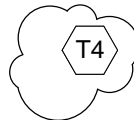
RADIANT HEAT PIPING
 WIRE MESH



WALL FINISH LEGEND:



WALL TILE 3:
 MANUFACTURER: STONE TILE WHYNOT
 COLOUR: MOCHA
 SIZE: 105X495 AND 51X495
 GROUT: MAPAI #9 GREY
 (INSTALLED ON WALL PER A640
 TO ACHIEVE PATTERN PER DETAIL 18/A640)



WALL TILE 4:
 MANUFACTURER: STONE TILE WHYNOT
 COLOUR: IVORY
 SIZE: 51X495
 GROUT: MAPAI #14 BICUIT
 (INSTALLED ON WALL PER A640)

CSV ARCHITECTS
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Project	BARRHAVEN FIRE STATION NO. 47 3559 GREENBANK ROAD
Drawing	REVISED WALL FINISHES

Designed/Drawn By	JES
Approved By	DH
Drawing Date	09/08/10
Project No.	2009-0730

Scale	1 : 100
Sheet No.	SKA054

ADDENDUM # M004

PROJECT NAME: Barrhaven Fire Station No. 47, Ottawa, ON

PROJECT #: 10-061

DATE: September 8, 2010

DISTRIBUTION:

CSV Architects

Darryl Hood

hood@csv.ca

R.J. McKee Engineering


Robert Godbout, Chris Frauley

1. Reference Mechanical Specification 23 31 00 Item 2.18 Industrial Propeller Fans:
.1 ADD "Banvil" as an approved manufacturer.
2. Reference Mechanical Specification 23 31 00 Item 2.20 Kitchen Exhaust Hood:
.1 ADD "Halton" as an approved manufacturer.
3. Reference Mechanical Specification 23 31 00 Item 2.21 Kitchen Fire Suppression System:
.1 ADD "Halton" as an approved manufacturer.

END OF ADDENDUM

Signed: _____


Tom Le Roy, B.Eng., LEED® AP
Mechanical Designer

Reviewed: Mech: Elec: Partner: 

ADDENDUM #E003

PROJECT NAME: Barrhaven Fire Station #47, Ottawa, ON

PROJECT #: 10-061

DATE: September 08, 2010

DISTRIBUTION:

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Darryl Hood

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R.J. McKee Engineering

Robert Godbout, Chris Frauley,

Brian Thornhill, Frank Munn

1. Reference electrical Drawing E-2 issued for tender August 09, 2010 and to attached sketch SKE-ADDE003A:
 1. Provide revision as per attached sketch.
2. Reference electrical Drawing E-7 issued for tender August 09, 2010 and to attached sketch SKE-ADDE003B:
 1. Provide revision as per attached sketch.
3. Reference electrical specification 26 28 20 – Ground Fault Equipment Protection “issued for tender August 09, 2010”:
 1. Delete specification section 26 28 20 – Ground Fault Equipment Protection.
4. Reference electrical specification 27 05 28 – Communication Raceway Systems “issued for tender August 09, 2010”:
 1. Add item 3.1.8. Provide an additional junction box in ceiling spaces of watch room, dining lounge and fitness room and connect to raceway system.
5. Reference electrical specification 26 27 26 – Wiring Devices “issued for tender August 09, 2010”:
 1. Revise item 2.2.1.1 as follows: White decora style urea moulded housing.
 2. Revise item 2.1.2.5 as follows: White decora style toggle.
6. Reference Addendum #E002 item 12. issued August 12, 2010
 1. All receptacles and switches shall be white decora style complete with stainless steel cover plates.

END OF ADDENDUM

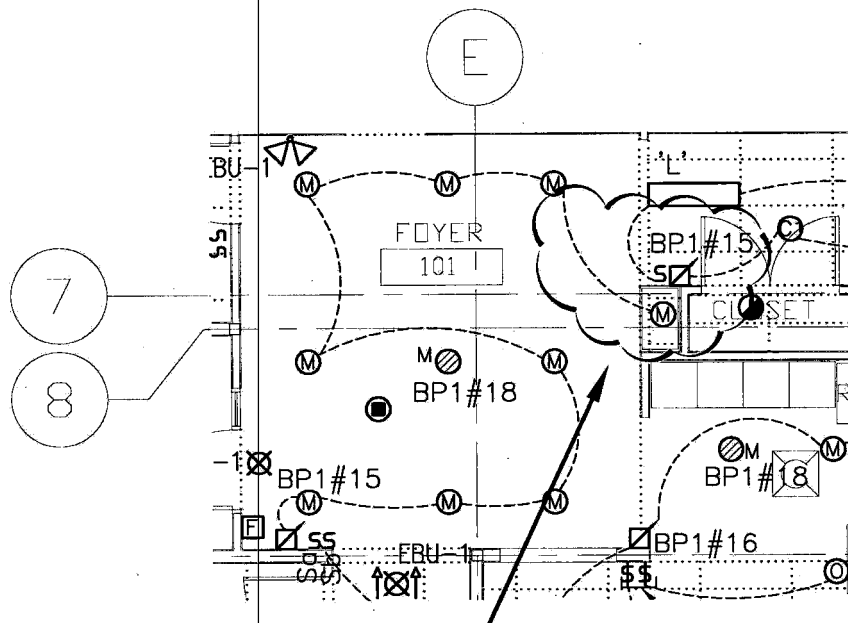
Signed: _____

Fadi Salah, B. Eng.

Reviewed: Mech:

Elec:

Partner:



ADD TYPE M FIXTURE ABOVE TIME CAPSULE AND
 RELOCATE SWITCHES. REFER TO E-3 FOR CIRCUITING



R.J. McKEE
 ENGINEERING LTD.
 1785 Woodward Drive
 Ottawa, ON K2C 0P9
 CANADA
 Tel.: (613) 723-9585
 Fax.: (613) 723-9584
 www.mckeeottawa.ca

PROJECT:

BARRHAVEN FIRE STATION # 47
 3559 GREENBANK ROAD, OTTAWA, ONTARIO

DRAWING NAME:

ELECTRICAL: PART OF DWG E-3
 LIGHTING AND FIRE ALARM REVISIONS

SCALE:

N.T.S.

DATE DRAWN

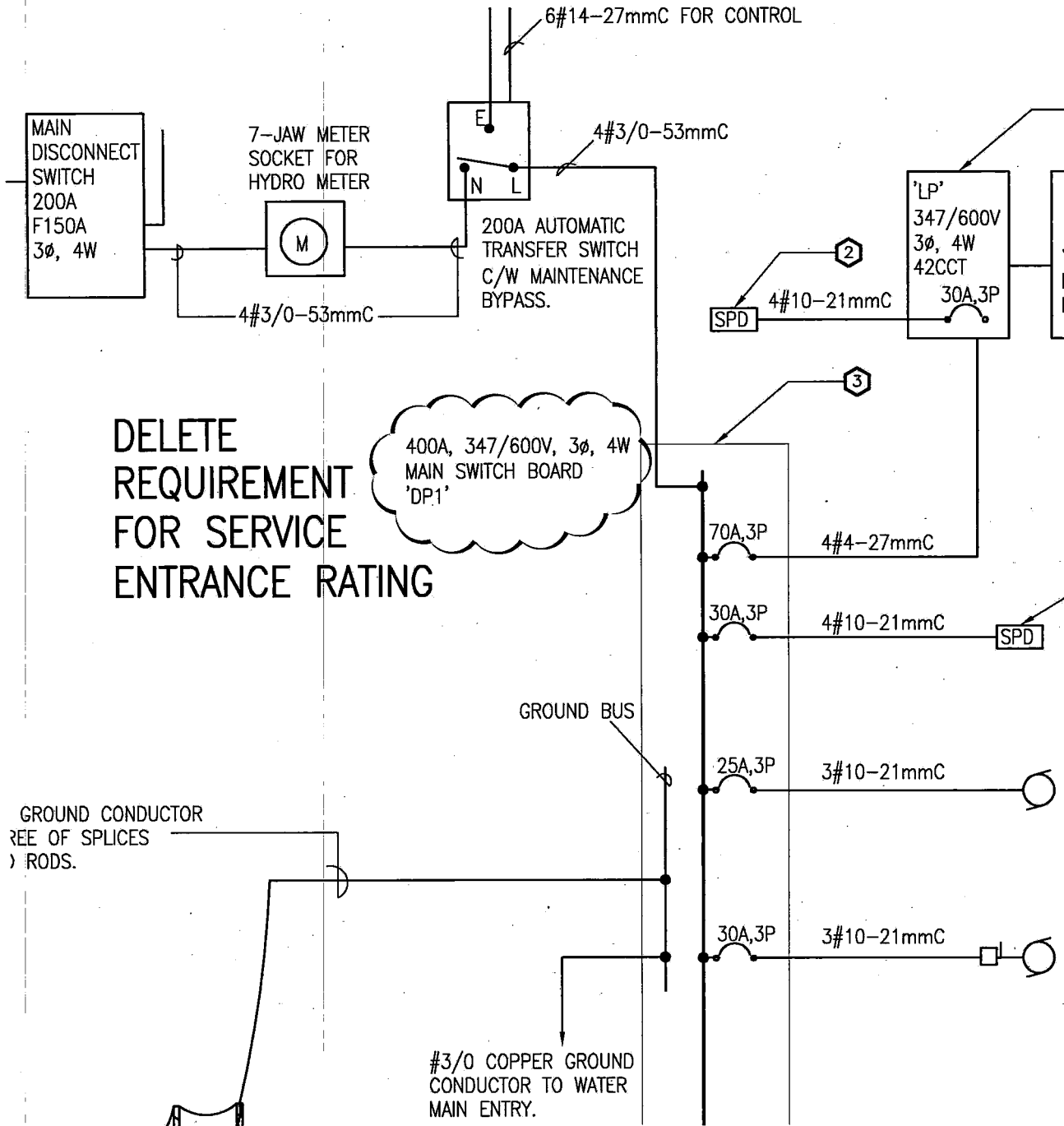
SEP 08/10

DRAWING No.

SKE-ADDE003A

JOB No.

10-061



R.J. McKEE
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1785 Woodward Drive
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Fax.: (613) 723-9584
www.mckeeottawa.ca

PROJECT:

BARRHAVEN FIRE STATION # 47
3559 GREENBANK ROAD, OTTAWA, ONTARIO

DRAWING NAME:

ELECTRICAL: PART OF DWG E-7
SINGLE LINE DIAGRAM REVISIONS

SCALE:
N.T.S.

DATE DRAWN
SEP 08/10

DRAWING No.
SKE-ADDE003B

JOB No.
10-061