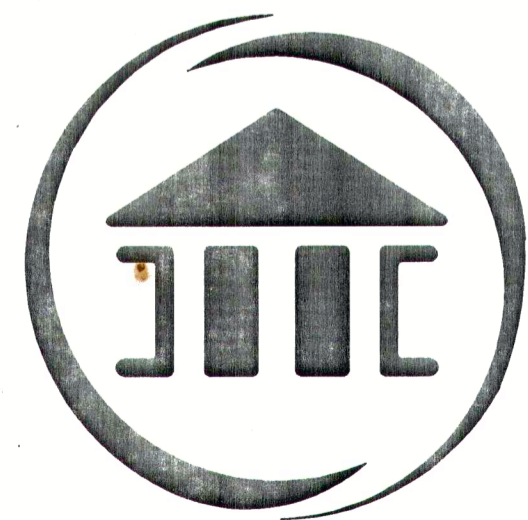


- 1) Ceiling Area
- 2) Interior used area
- 3) Floor area over (intermediate) space
- 4) Floor area over attic airspace
- 5) RO of DH windows  
A) U Value
- 6) RO of (casual windows)  
A) U Value
- 7) RO other windows  
U Value
- 8) RO other windows  
U Value
- 9) Net RO Door over 50 Glaz  
U Value
- 10) Net RO Door less sock  
U Value
- 11) RO other Doors  
U Value
- 12) RO Entry -  
U Value
- 13) Tower where being built
- 14) Heating equipment of fire  
A) TVR -
- 15) IF Base heat Berg Framed
- 16) Wall Insulation
- 17) Ceiling insulation
- 18) Floor Insulation



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2950 Lemire Blvd., Drummondville  
(Quebec) Canada, J2B 7J6  
1-800-567-5267

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**COMMENTS**

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HEAD OFFICE : 1-800-567-5267

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**IMPORTANT NOTE**

SOME ADJUSTMENTS MAY BE REQUIRED DEPENDING ON SITE CONDITIONS

ALL WORK SHOULD BE DONE :

- ACCORDING TO THE ESTABLISHED STANDARDS AND IN ACCORDANCE WITH THE LATEST COUNTRY'S, STATE OR NATIONAL CONSTRUCTION CODES;
- ACCORDING TO THE BEST PRACTICES OF TRADES
- IF APPLICABLE, ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

REVISION	NO	DATE	BY

SEAL

CLIENT

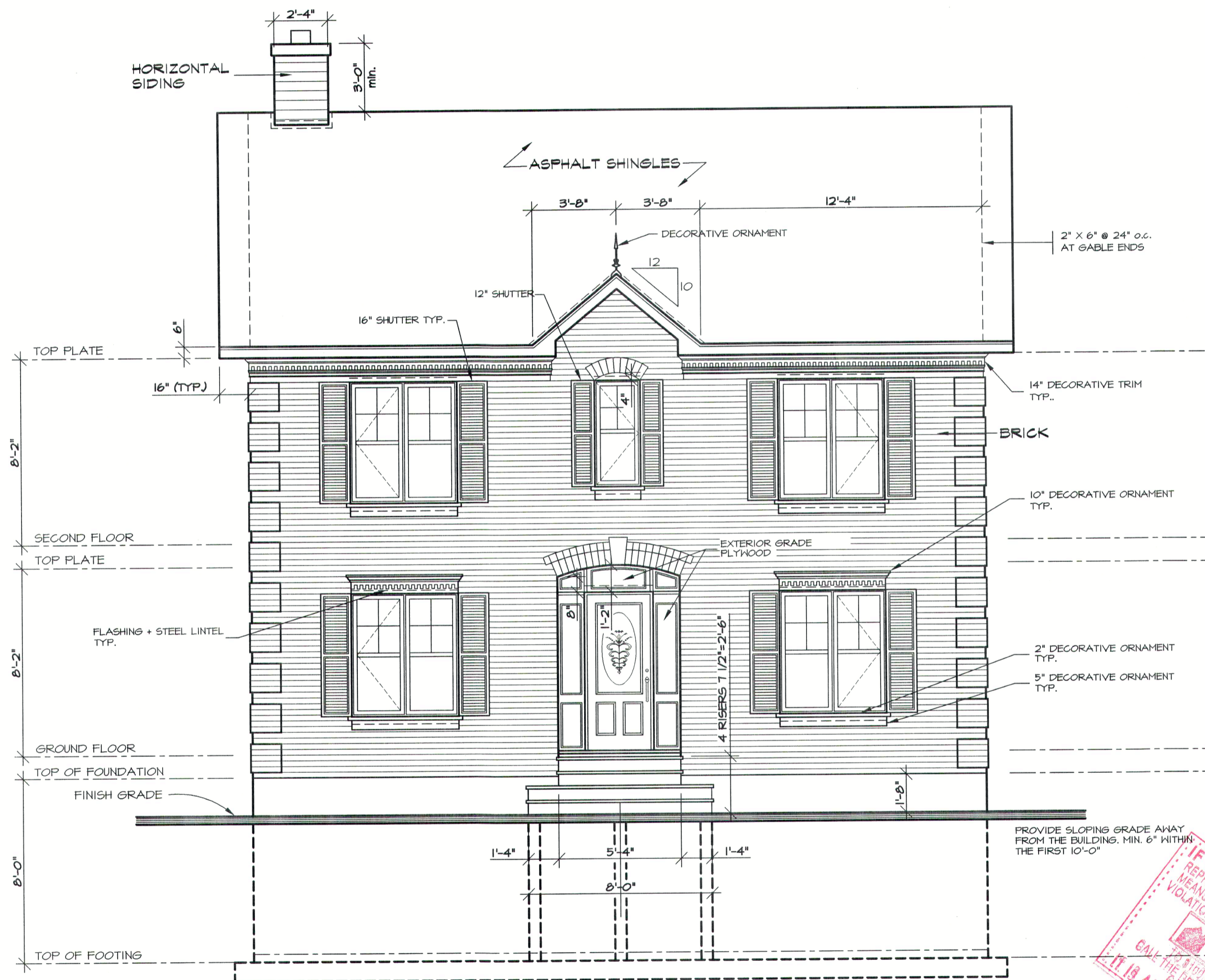
	DESIGNED BY	D.C.
	DRAWN BY	M.P.
	CHECKED BY	G.B.

PROJECT

**NEW CONSTRUCTION  
(BASEMENT)**

DRAWING  
**FRONT ELEVATION**

DATE	SCALE
30/09/2003	1/4" = 1'-0"
PLAN NO.	SHEET NO.
2745 eng.	I-II



**IF THIS STAMP IS NOT RED**  
REPRODUCTION OF THESE PLANS BY ANY  
MEANS IS PROHIBITED BY FEDERAL LAW.  
VIOLATIONS ARE PUNISHABLE BY FINES UP  
TO \$10,000 AND/OR IMPRISONMENT.  
CALL THE DESIGNER OR ARCHITECT FOR  
COPIES OF THIS PLAN.  
**IT IS AN ILLEGAL SET OF PLANS.**



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**NOTES :**

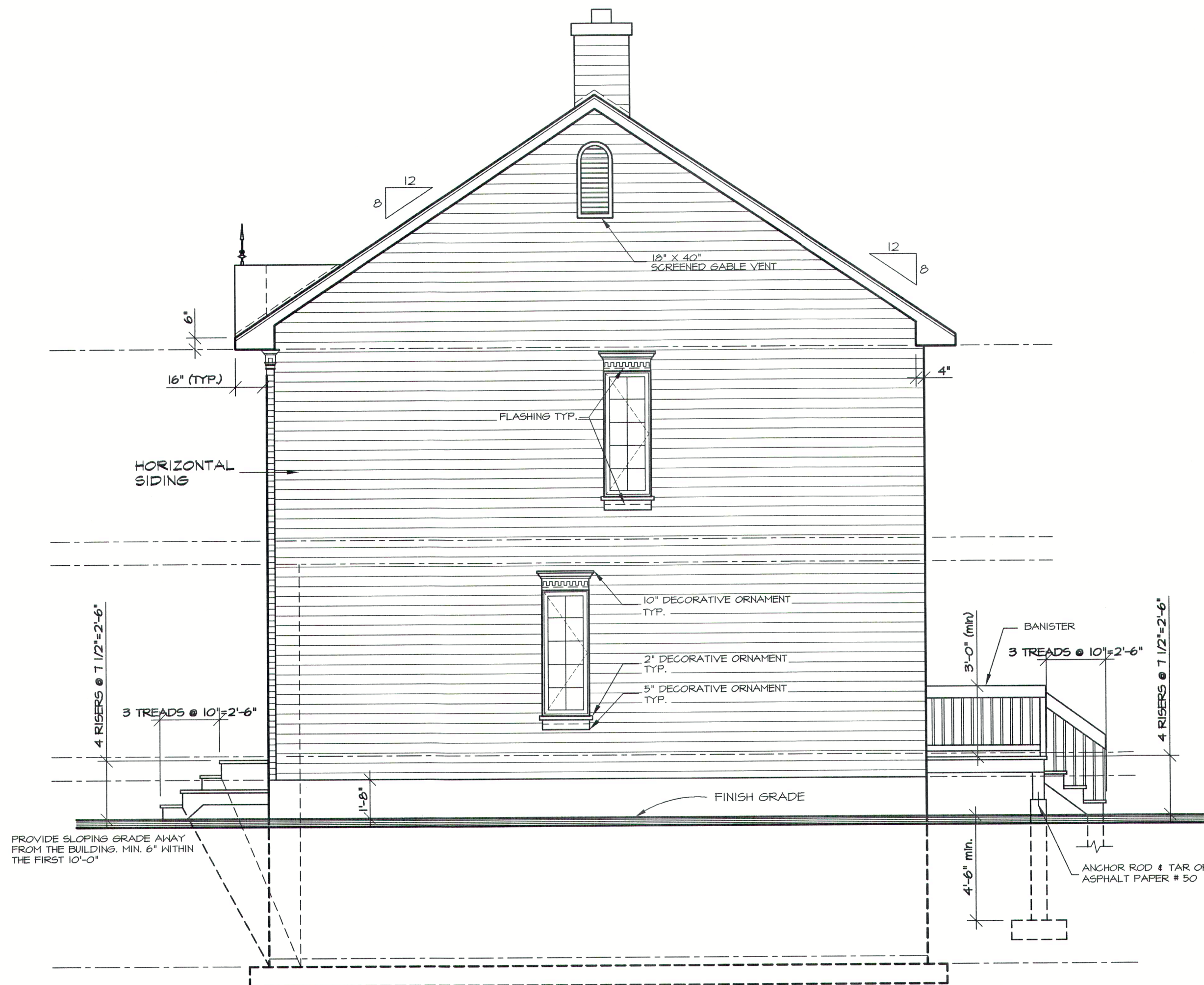
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REVISION	NO	DATE	BY

SEAL

	DESIGNED BY	D.C.
	DRAWN BY	M.P.
	CHECKED BY	G.B.

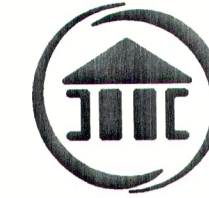
CLIENT

PROJECT  
NEW CONSTRUCTION  
(BASEMENT)

DRAWING  
RIGHT ELEVATION

DATE 30/09/2003 SCALE 1/4"=1'-0"

PLAN NO. 2745 eng. SHEET NO. 2-11



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### COMMENTS

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HEAD OFFICE : 1-800-567-5267

### NOTES :

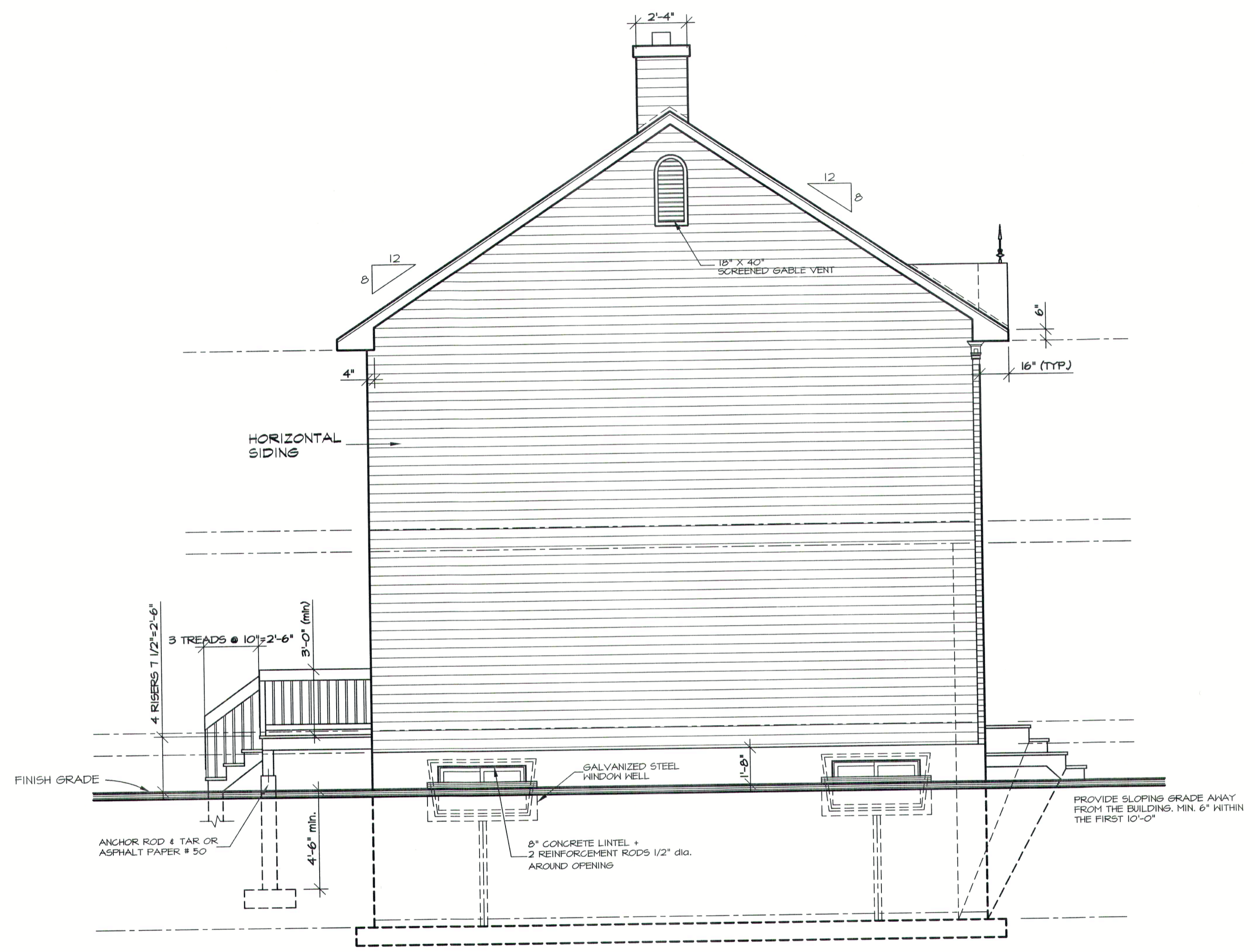
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REVISION	NO	DATE	BY

SEAL

DESIGNED BY	D.C.
DRAWN BY	M.P.
CHECKED BY	G.B.

CLIENT

PROJECT  
NEW CONSTRUCTION  
(BASEMENT)

DRAWING  
LEFT ELEVATION

DATE 30/09/2003 SCALE 1/4"=1'-0"

PLAN NO. 2745 eng. SHEET NO. 3-11



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HEAD OFFICE : 1-800-567-5267

**NOTES :**

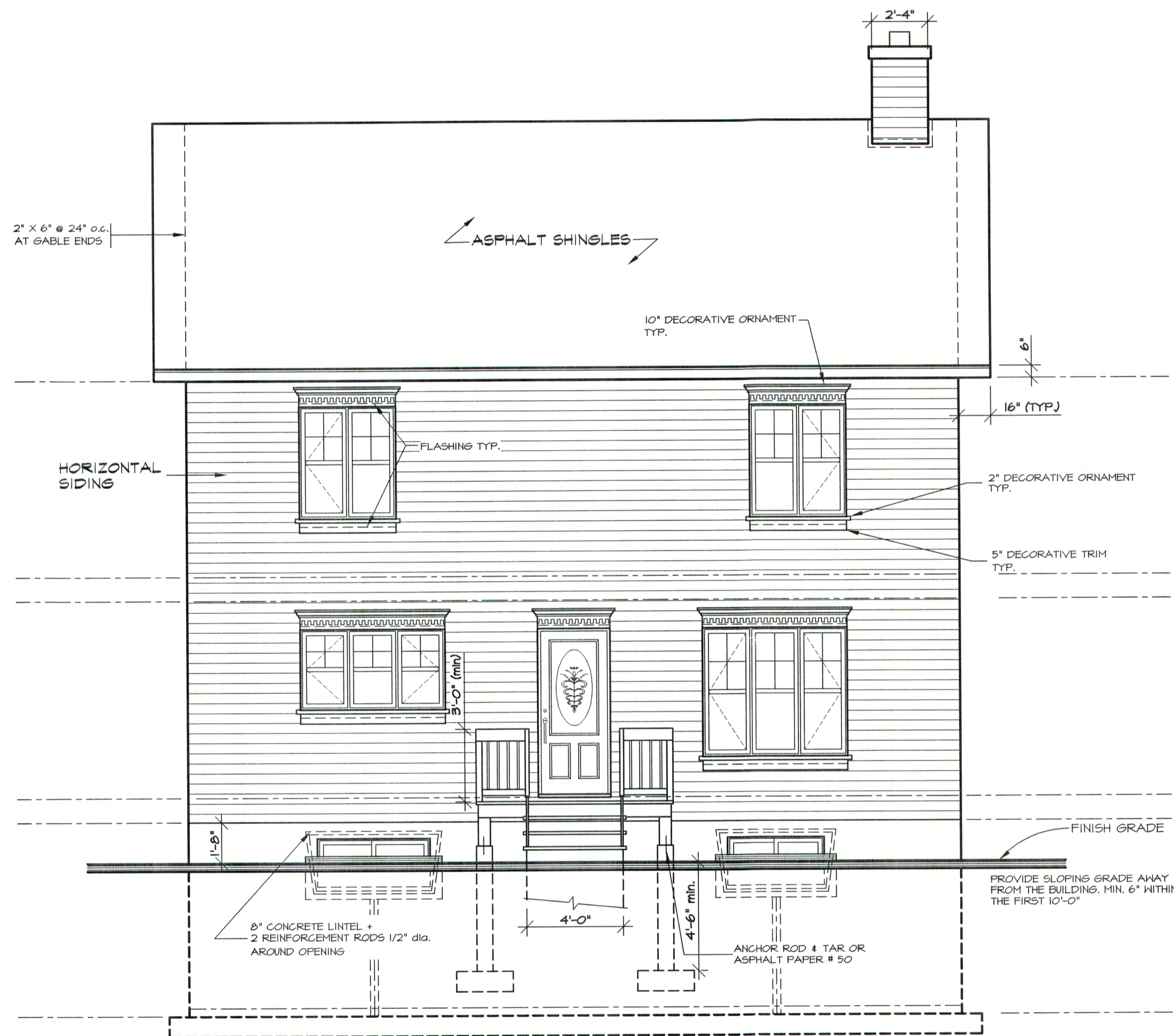
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REVISION	NO	DATE	BY

SEAL

DESIGNED BY  
**D.C.**

DRAWN BY  
**M.P.**

CHECKED BY  
**G.B.**

CLIENT

PROJECT  
**NEW CONSTRUCTION  
(BASEMENT)**

DRAWING  
**REAR ELEVATION**

DATE  
**30 / 09 / 2003**

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

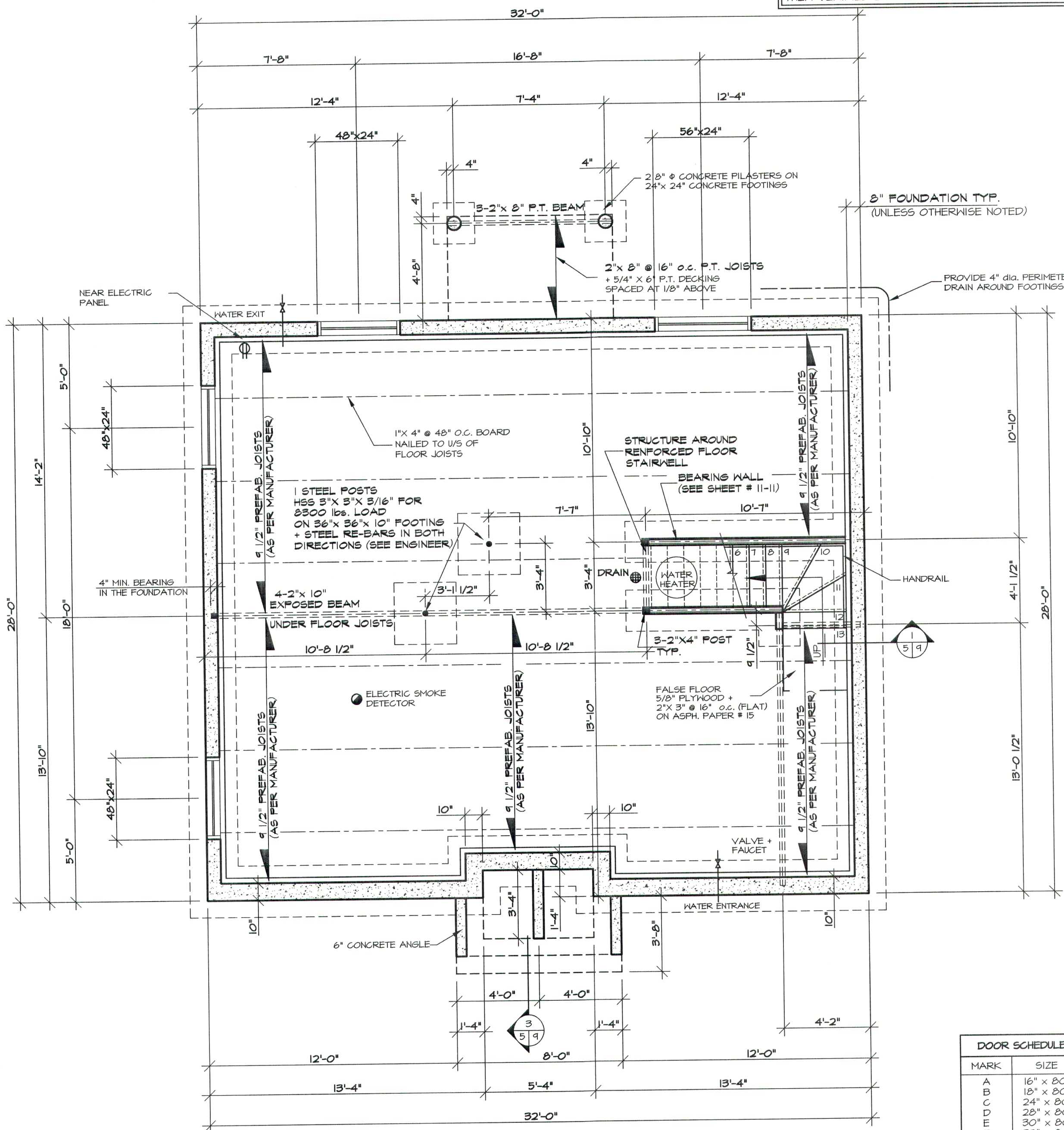
PLAN NO.  
**2745 eng.**

SHEET NO.  
**4-11**

**GENERAL NOTES**

- FRAMING LUMBER (BEAMS, LINTELS, JOIST) TO BE GRADE NO 1 & 2 SPRUCE UNLESS OTHERWISE INDICATED.
- ALL LINTELS TO BE 2-2" X 10" UNLESS OTHERWISE NOTED.
- USE OF FLOOR JOISTS OR ROOF RAFTERS MAY REQUIRE ADJUSTMENTS TO PLAN, REFER TO MANUFACTURER'S INSTRUCTIONS.
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- PROVIDE 2" X 2" CROSS-BRIDGING SITUATED AT NO MORE THAN 7'-0" FROM A SUPPORT OR ROW OF BRIDGING.
- APPLICATION OF HOOD PRESERVATIVE REQUIRED AT EXTREMITIES OF BEAMS SUPPORTED ON MASONRY WALLS.
- AS A PRECAUTION, A FIREPROOF LINER SHOULD BE INSTALLED BETWEEN FIREBOX OF PREFABRICATED FIREPLACE AND COMBUSTIBLE FRAMING.
- MINIMUM FOUNDATION DEPTH BELOW FINISHED GROUND LEVEL IS 4'-6". THIS DEPTH MAY VARY ACCORDING TO YOUR LOCATION.
- ENDS OF STEEL BEAMS SUPPORTED ON EXTERIOR WALL SHALL BE INSULATED ON A MINIMUM DISTANCE OF 24".
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**STRUCTURAL LEGEND**

- IN-WALL STUD POST
- REINFORCED BEAMS SUPPORTING STRUCTURE
- BEARING WALL

- ABBREVIATION**
- CL. CLOSET
  - G.V. GATE VALVE
  - H.R. HAND RAIL
  - LIN. CL. LINEN CLOSET
  - M.W. MICRO WAVE OVEN
  - (E) MARK REFERRING TO DOOR SIZE SCHEDULE

DOOR SCHEDULE	
MARK	SIZE
A	16" x 80"
B	18" x 80"
C	24" x 80"
D	28" x 80"
E	30" x 80"
F	32" x 80"
G	36" x 80"
H	48" x 80"
J	60" x 80"
K	34" x 82"
L	72" x 80"
M	88" x 80"



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**COMMENTS**

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ALL STRUCTURAL DESIGN CHANGES MUST BE REVIEWED BY A LICENCED PROFESSIONAL ENGINEER.

REVISION	NO	DATE	BY

SEAL

DESIGNED BY: D.C.  
DRAWN BY: M.P.  
CHECKED BY: G.B.  
COMPUTER ASSISTED DRAFTING

CLIENT

PROJECT: NEW CONSTRUCTION (BASEMENT)

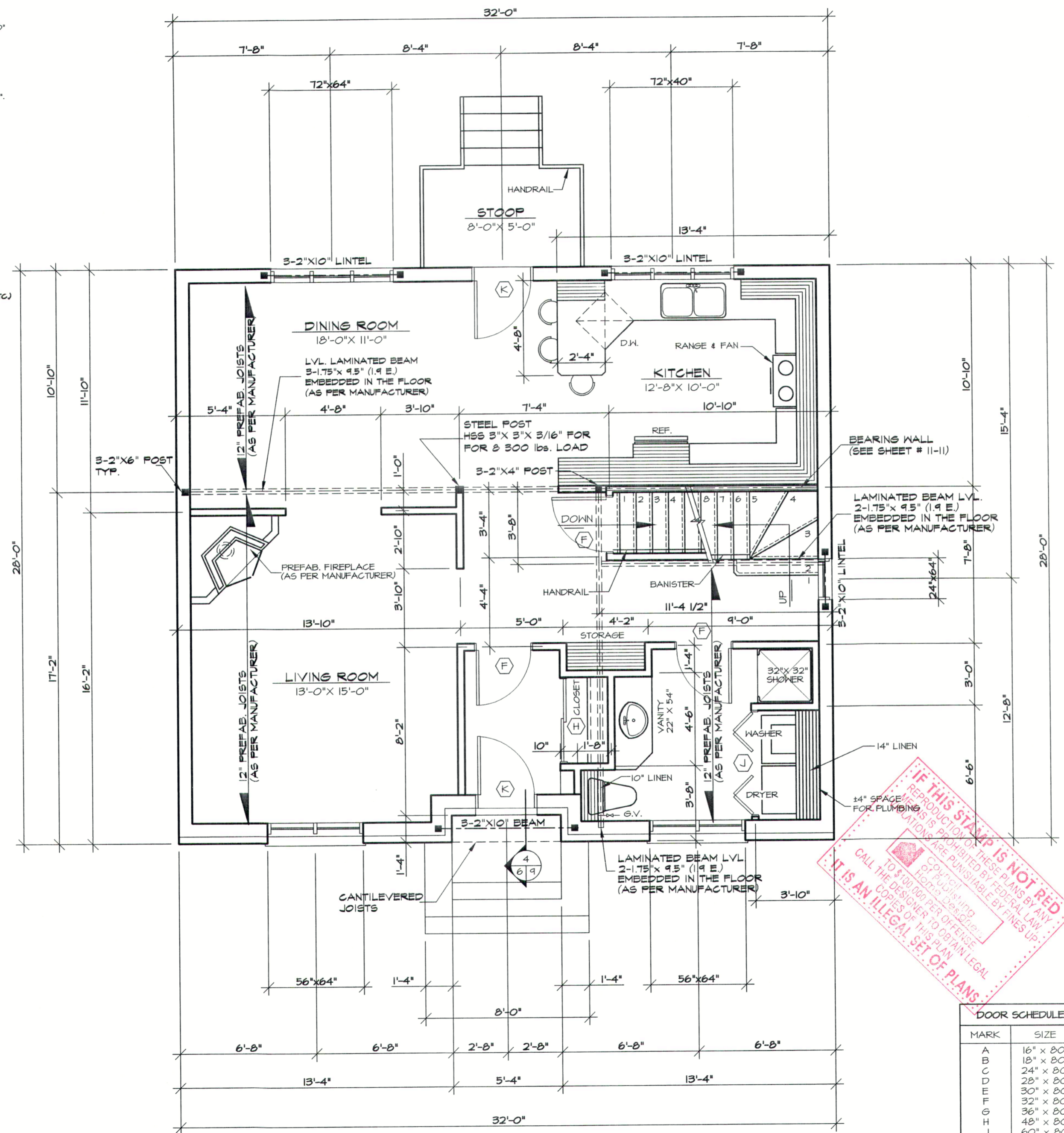
DRAWING: FOUNDATION PLAN

DATE: 30/09/2003 SCALE: 1/4"=1'-0"  
PLAN NO.: 2745 eng. SHEET NO.: 5-11

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**STRUCTURAL LEGEND**

- IN-WALL STUD POST
  - REINFORCED BEAMS SUPPORTING STRUCTURE
  - BEARING WALL
- ABBREVIATION**
- CL. CLOSET
  - G.V. GATE VALVE
  - HR. HAND RAIL
  - LIN. CL. LINEN CLOSET
  - M.H. MICRO WAVE OVEN
- MARK REFERRING TO DOOR SIZE SCHEDULE

**DOOR SCHEDULE**

MARK	SIZE
A	16" x 80"
B	18" x 80"
C	24" x 80"
D	28" x 80"
E	30" x 80"
F	32" x 80"
G	36" x 80"
H	48" x 80"
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**COMMENTS**  
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HEAD OFFICE : 1-800-567-5267

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REVISION	NO	DATE	BY

SEAL

DESIGNED BY: D.C.  
DRAWN BY: M.P.  
CHECKED BY: G.B.  
COMPUTER ASSISTED DRAFTING

CLIENT

PROJECT: NEW CONSTRUCTION (BASEMENT)

DRAWING: GROUND FLOOR PLAN

DATE: 30/09/2003 SCALE: 1/4"=1'-0"

PLAN NO.: 2745 eng. SHEET NO.: 6-11

early area  
32 x 28 = 896 sq ft  
1792 early area  
205 - 907 + 4/5 = 943  
1024 front + rear  
896 sides = 1920  
? Guide and  
896  
1024

**IF THIS STAMP IS NOT RED**  
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CALL TO 514-000-0000 FOR OFFENSE  
COPIES OF THIS PLAN  
IT IS AN ILLEGAL SET OF PLANS.

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- AS A PRECAUTION, A FIREPROOF LINER SHOULD BE INSTALLED BETWEEN FIREBOX OF PREFABRICATED FIREPLACE AND COMBUSTIBLE FRAMING.
- MINIMUM FOUNDATION DEPTH BELOW FINISHED GROUND LEVEL IS 4'-6". THIS DEPTH MAY VARY ACCORDING TO YOUR LOCATION.
- ENDS OF STEEL BEAMS SUPPORTED ON EXTERIOR WALL SHALL BE INSULATED ON A MINIMUM DISTANCE OF 24".
- THE WINDOW DIMENSIONS DESCRIBE IN THIS PLAN MAY VARY DEPENDING ON THE CHOSEN MANUFACTURER.
- BASEMENT WINDOWS BELOW GRADE WILL BE PROTECTED BY GALVANIZED STEEL WINDOWS WELLS, AND A GRAVEL-FILLED 4" DRAIN, CONNECTED TO PERIMETER DRAIN AND INSTALLED ACCORDING TO THIS PLAN.
- CERTAIN DIMENSIONS MAY VARY ACCORDING TO THE MATERIAL USED AND / OR THE CONTRACTOR'S BUILDING METHODS. IF VARIATIONS EXIST BETWEEN THE BUILDING SITE AND PLANS, THE CONTRACTOR MUST ADVISE DRUMMOND DESIGNS INC. AS SOON AS POSSIBLE.
- WRITTEN DIMENSIONS ALWAYS TAKE PRECEDENCE OVER SCALE MEASUREMENTS.
- BUILDING CONTRACTOR MUST:
  - 1) VERIFY ALL DIMENSIONS BEFORE PROCEEDING.
  - 2) RESPECT, IF APPLICABLE, REQUIREMENTS OF DOCUMENTATION ATTACHED TO PLANS (EG. SPECIFICATIONS, VENTILATION PLAN, ETC.) AND INFORM CLIENT OF ANY CONSEQUENCES RESULTING FROM CHANGES TO PLAN.
- DRUMMOND DESIGNS INC. DOES NOT ASSUME LIABILITY FOR ANY OMISSIONS ON THESE PLANS.

THESE STAIRS HAVE BEEN DRAWN ACCORDING TO THE UNIVERSAL BUILDING CODE AND MIGHT NEED SOME ADJUSTMENTS TO COMPLY TO YOUR LOCAL CODE AND REGULATIONS. IT IS THEREFORE YOUR RESPONSIBILITY TO HAVE THEM VERIFIED BY YOUR REPRESENTATIVE.



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Your Home Plan Experts

2950 Lemire Blvd, Drummondville  
(Quebec) Canada, J2B 7J6  
1-800-567-5267

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**COMMENTS**

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HEAD OFFICE : 1-800-567-5267

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**IMPORTANT STRUCTURAL NOTE**

THE FLOOR FRAMING STRUCTURE AS BEEN DESIGNED ACCORDING TO THE STANDARDS IN USE, USING A COMBINATION OF NATIONALLY AVAILABLE ENGINEERED LUMBER AND CONVENTIONAL DIMENSION WOOD MEMBERS.

ENGINEERED LUMBER SUPPLIERS OR MANUFACTURERS MAY PROPOSE COMPARABLE FLOOR FRAMING SYSTEMS, REQUIRING MODIFICATIONS TO THE STRUCTURAL DESIGN SHOWN IN THESE DRAWINGS.

THE SUPPLIER OR MANUFACTURER MUST SUPPLY THE BUILDER WITH ALL DESIGN CRITERIA FOR PROPER MODIFICATIONS REGARDING OTHER TRADES INVOLVED IN THE CONSTRUCTION. (EX. FOUNDATION, STAIRS ETC.)

ALL STRUCTURAL DESIGN CHANGES MUST BE REVIEWED BY A LICENSED PROFESSIONAL ENGINEER.

REVISION	NO	DATE	BY

SEAL

DESIGNED BY: D.C.  
DRAWN BY: M.P.  
CHECKED BY: G.B.  
COMPUTER ASSISTED DRAFTING

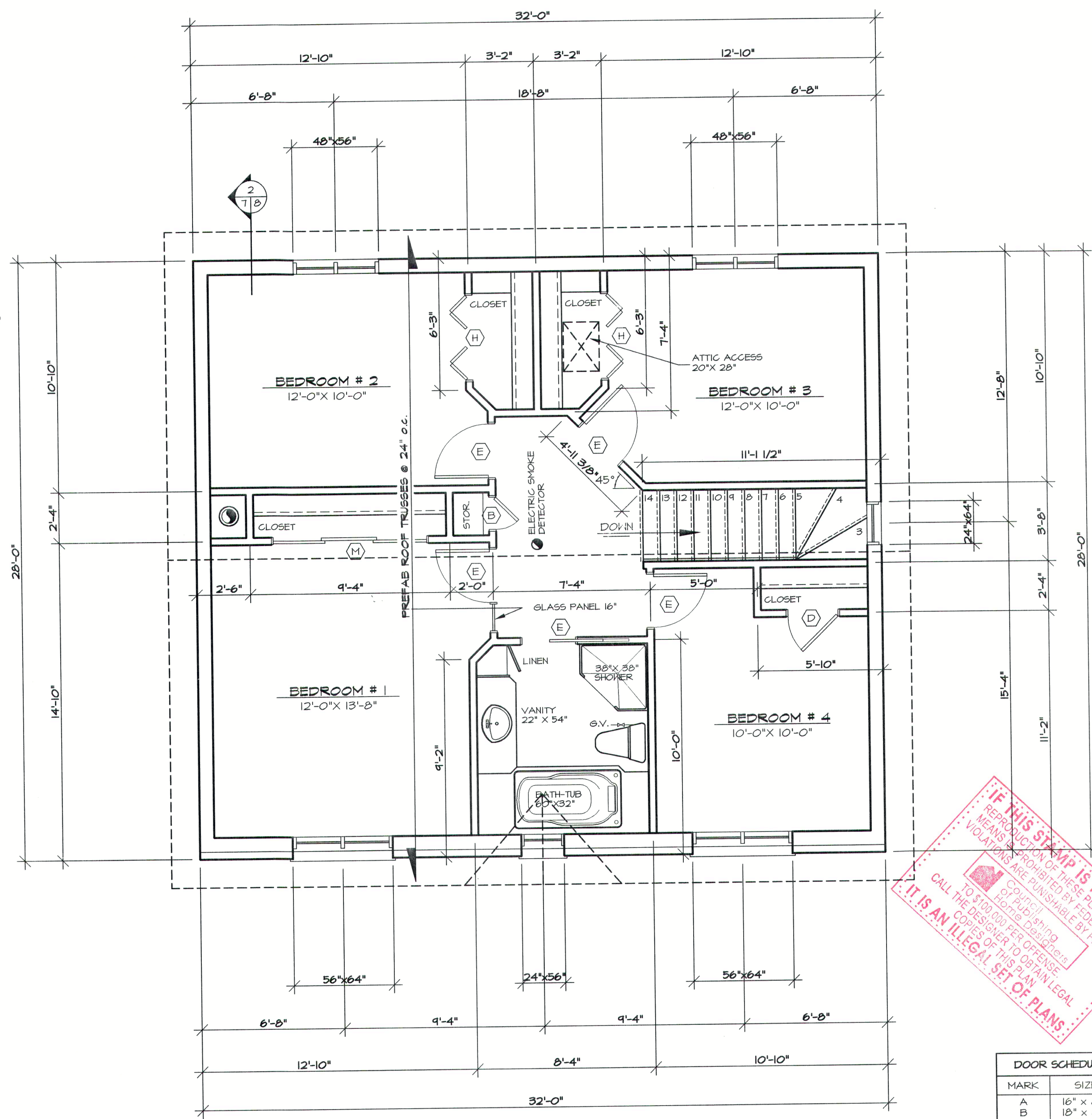
CLIENT

PROJECT: NEW CONSTRUCTION (BASEMENT)

DRAWING: SECOND FLOOR PLAN

DATE: 30/09/2003 SCALE: 1/4"=1'-0"

PLAN NO.: 2745 eng. SHEET NO.: 7-11



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CALL THE DESIGNER TO OBTAIN LEGAL COPIES OF THIS PLAN.  
**IT IS AN ILLEGAL SET OF PLANS.**

**DOOR SCHEDULE**

MARK	SIZE
A	16" x 80"
B	18" x 80"
C	24" x 80"
D	28" x 80"
E	30" x 80"
F	32" x 80"
G	36" x 80"
H	48" x 80"
J	60" x 80"
K	34" x 82"
L	72" x 80"
M	88" x 80"

**STRUCTURAL LEGEND**

- IN-HALL STUD POST
- REINFORCED BEAMS SUPPORTING STRUCTURE
- BEARING WALL

**ABBREVIATION**

- CL. CLOSET
- G.V. GATE VALVE
- H.R. HAND RAIL
- LIN. CL. LINEN CLOSET
- M.H. MICRO HAVE OVEN
- (E) MARK REFERRING TO DOOR SIZE SCHEDULE





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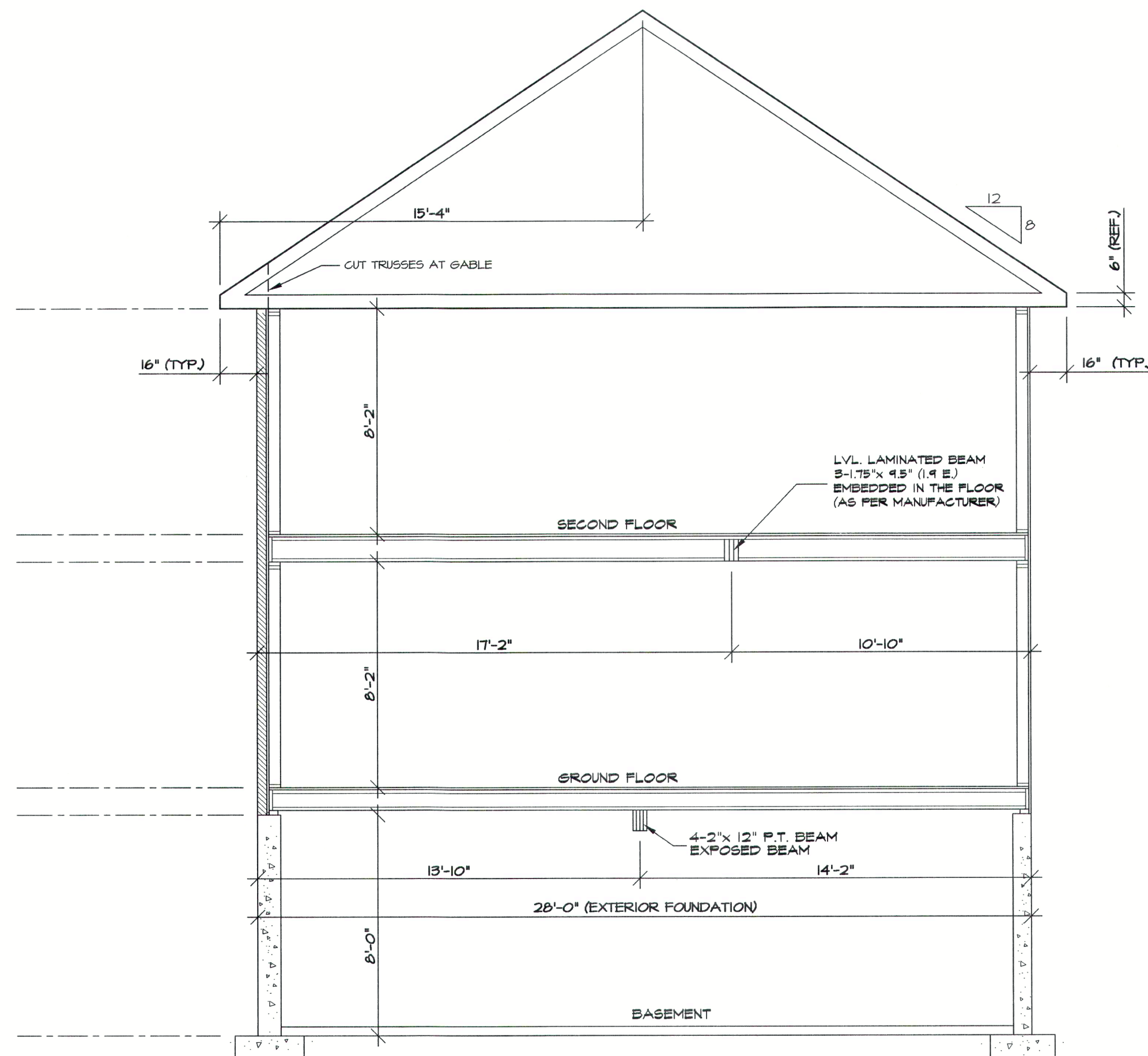
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2  
7 | B SECTION

REVISION	NO	DATE	BY

SEAL

	DESIGNED BY	D.C.
	DRAWN BY	M.P.
	CHECKED BY	G.B.

CLIENT

PROJECT  
NEW CONSTRUCTION  
(BASEMENT)

DRAWING  
TRUSS DIAGRAM

DATE	30/09/2003	SCALE	1/4" = 1'-0"
PLAN NO.	2745 eng.	SHEET NO.	B-11

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REVISION	NO	DATE	BY

SEAL

DESIGNED BY	D.C.
DRAWN BY	M.P.
CHECKED BY	G.B.

COMPUTER ASSISTED DRAFTING

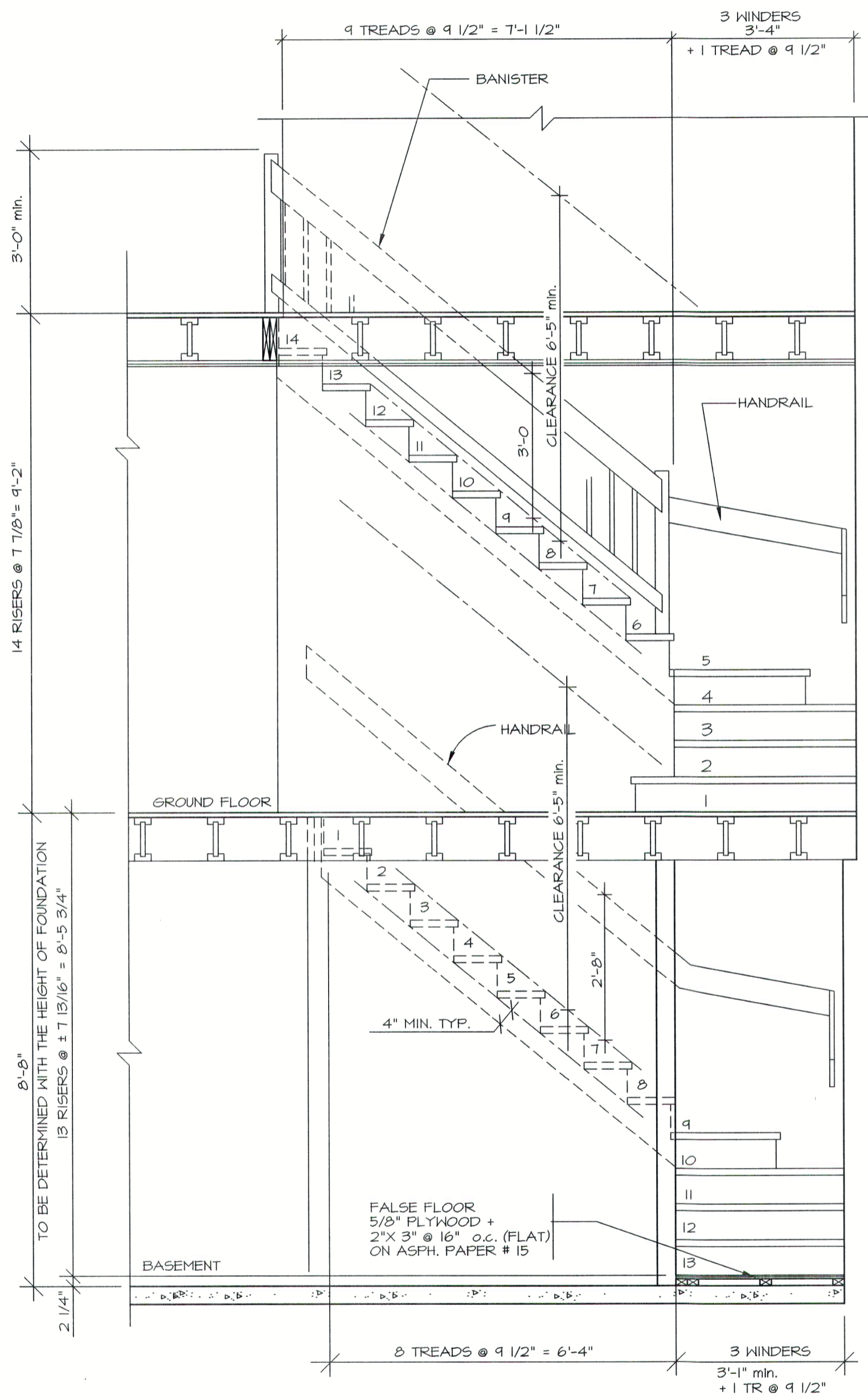
CLIENT

PROJECT  
**NEW CONSTRUCTION  
(BASEMENT)**

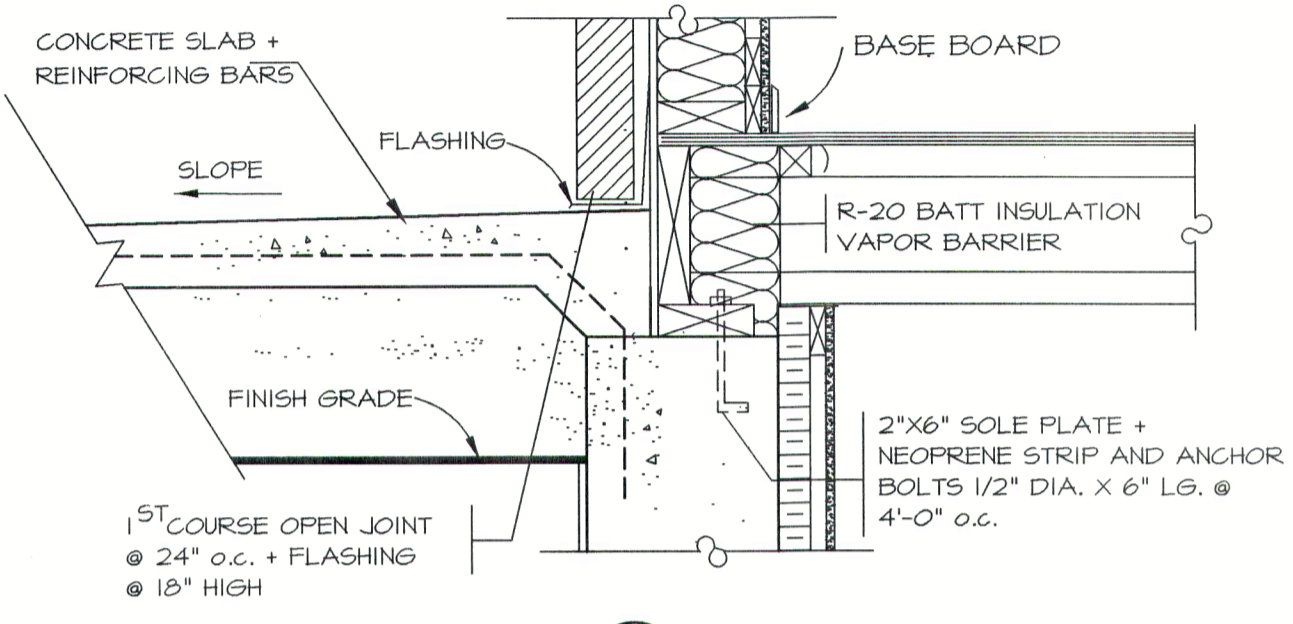
DRAWING  
**SECTIONS and DETAILS**

DATE **30/09/2003** SCALE **AS SHOWN**

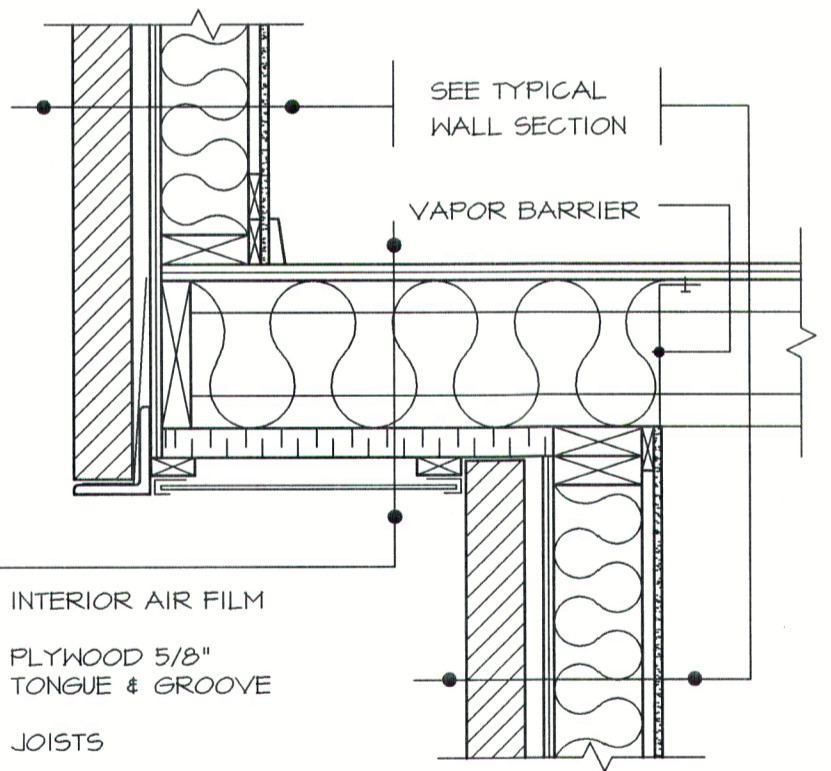
PLAN NO. **2745 eng.** SHEET NO. **4-11**



**SECTION 1**  
SCALE: 1/2" = 1'-0" 5/9



**3 SECTION**  
NO SCALE 5/9



- 0.91 INTERIOR AIR FILM
- 0.80 PLYWOOD 5/8" TONGUE & GROOVE
- JOISTS
- 31.0 BATT INSUL.R-31 (R.S.I. 5.4)
- 7.49 RIGID INSULATION 1 1/2"
- 0.11 AIR BARRIER
- FURRING 1" X 3"
- SOFFIT + "J" MOLDING
- 0.17 EXTERIOR AIR FILM

R- 40.48 : TOTAL

**4 SECTION**  
NO SCALE 6/9

**NOTE :**

IT IS IMPORTANT THAT A PIECE OF VAPOR BARRIER IS INSTALLED BEHIND THE ELECTRICAL BARRIER AND THE MAIN VAPOR BARRIER BE SEALED WITH THE MAIN VAPOR BARRIER.

IN A MASONRY WALL, THE HORIZONTAL STEEL CLAMPS ARE TO BE PLACED BEHIND THE ELECTRICAL BARRIER AT A 16" MAX. THE SIZE OF THE STEEL LINTEL (COVER OPENING) WILL BE DETERMINED BY THE MASON.

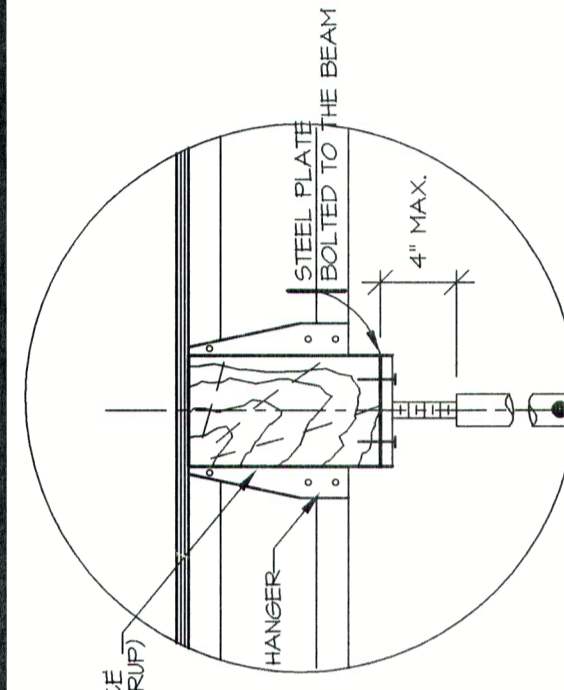
IT SHOULD BE RECOGNIZED THAT A 1/2" GYPSUM Bd. ON A 1" X 3" FURRING @ 16" o.c. CAN BE INSTALLED ON THE BASEMENT CEILING TO INCREASE THE FIREPROOFING.

ASPHALT PAPER # 50  
OR SELF ADHESIVE MEMBRANE

SLOPE SEE ELEVATION

12" MIN.  
2" MIN.  
AIR SPACER (SEE DEALER)

PROVIDE A 1/4" SPACE IN THE HANGER (STIRRUP)



**NOTE :**

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THE PLYWOOD PANELS SHOULD BE REPLACED BY AN ORIENTED STRRESS BOARD PANEL (OSB) OR EQUIVALENT.

PROVIDE BRACING IN ALL EXTERIOR WALLS. ALL EXTERIOR WALLS SHALL BE MADE OF 1/2" PLYWOOD, 1/2" OSB OR STEEL INSTALLED AT A 45° ANGLE.

ALL VAPOR BARRIERS INDICATED IN THIS PLAN SHOULD BE SEALED WHEN THEY ARE COVER LAPPED AND AROUND OPENINGS.

**TOP OF TOP PLATE**

ALUMINUM FLASHING  
ALUMINUM FASCIA  
PERFORATED SOFFIT  
3" MOLDING

R	
0.17	EXT. AIR
-	ASPHALT PAPER # 50
-	SELF ADHESIVE 210#
-	1/2" PLYWOOD
-	1/2" 1" CLIPS
-	TRUSSES @ 24" o.c.
4.0	BATT INSULATION R-40
1.14	1/2" FIBER BOARD INT.
-	SEALED VAPOR BARRIER
0.86	1" X 4" FURRING @ 16" o.c.
0.46	1/2" GYPSUM Bd.
0.68	INT. AIR
<b>TOTAL</b>	<b>R-43.1</b>

SEE ELEVATION

**FINISHED SECOND FLOOR**

**TOP OF TOP PLATE**

ARTIFICIAL STONE + DRIP UNDER

**R**

0.17	AIR FILM
0.80	4" STONE-BRICK
-	STEEL CLIPS
.97	1" AIR SPACE
0.11	AIR BARRIER
1.31	1/2" FIBER BOARD
-	2" X 6" STUDS @ 16" o.c.
2.0	BATT INSULATION R-20
-	VAPOR BARRIER
0.97	1" X 3" FURRING @ 16" o.c.
0.46	1/2" GYPSUM Bd.
0.68	INT. AIR

**FINISHED GROUND FLOOR**

1" RANK OPENED JOINT @ 24" o.c. FLASHING @ 18" HIGH.

2" X 4" SOLE PLATE + CAULKING  
FINISH GRADE  
ROUGH-CAST  
1/2" dia. X 6" LG. ANCHOR BOLTS @ 4'-0" o.c.

10" CONCRETE COAL TAR LAYER UNDER FINISH GRADE LEVEL

12" OF 3/4" CRUSHED STONE ON 4" DIA. PERFORATED DRAIN (BUT NOT IN CLAYEY GROUND)

**TOP OF FOOTING**

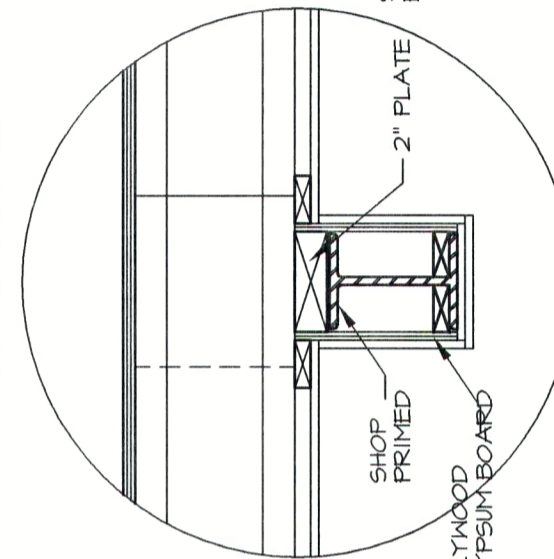
**TYPICAL WALL SECTION**

FOOTING DIMENSION (UNLESS OTHERWISE NOTED)

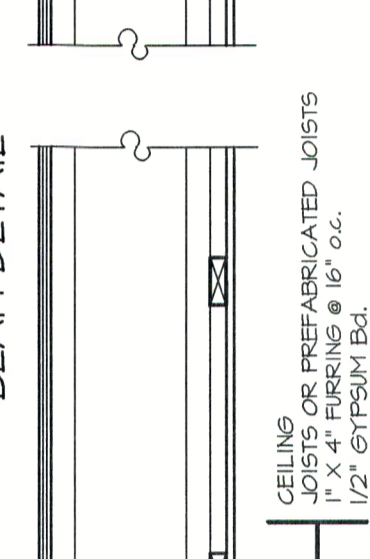
A = 10"    C = 30"  
B = 24"    D = 20"

2000 pds/sq.ft ASSUMED GROUND LOAD CAPACITY. FOR LESSER CAPACITY, CONTRACTOR MUST ADJUST FOOTING DIMENSIONS.

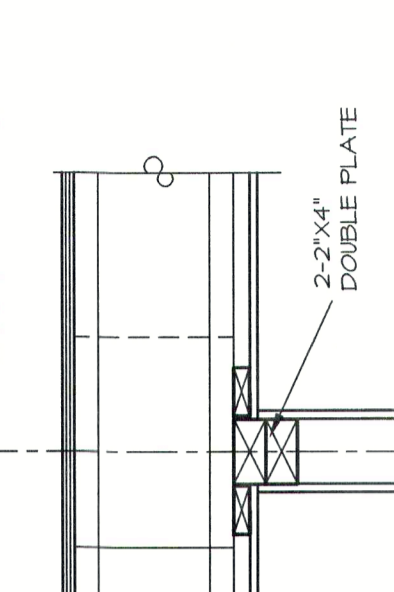
**EMBEDDED WOOD BEAM DETAIL**



**EXPOSED STEEL BEAM DETAIL**



**EMBEDDED STEEL BEAM DETAIL**



CEILING JOISTS OR PREFABRICATED JOISTS 1" X 4" FURRING @ 16" o.c.

FOR ALL EXTERIOR WALLS SEAL ALL DOUBLE WOOD PIECES (EX. BANISTER, FRAME, POSTS, ...)

CAULKING

INTERIOR WALL 1/2" GYPSUM Bd. 2" X 6" STUDS @ 16" o.c. + BLOCKING (DOUBLE 2" X 3" AT ALL DOOR PERIMETERS) (USE 2" X 4" OR 2" X 6" FOR ALL WALLS WITH MECHANICAL EQUIPMENT (VENTILATION OR PLUMBING))

5/8" PLYWOOD TONGUE AND GROOVE GLUED AND SCREWED JOISTS (SEE FOUNDATION PLAN) (ADD A 3/8" PLYWOOD FOR ALL FLOOR FINISHING.)

R	
0.17	EXT. AIR
1.88	8" CONCRETE
10.0	2" RIGID INSULATION TYPE 2 SEALED VAPOR BARRIER
-	1" X 4" FURRING @ 16" o.c. VERTICALLY NAILED TO FOUNDATION
0.46	1/2" GYPSUM Bd.
0.68	INT. AIR
<b>TOTAL</b>	<b>R-18.11</b>

NOTE: do not use Insulation

SEALED JOINT

CONCRETE SLAB 4" min. POLYETHYLENE .006" 6" MIN. OF COMPACTED 3/4" CRUSHED STONE ADD SPACE DEPENDING ON THE GROUND'S NATURE.

2" X 4" STUDS @ 12" o.c. 2-2" X 4" DOUBLE PLATE BLOCKING AT HALF-HEIGHT (2-2" X 10" LINTEL ON 2-2" X 4" POST)

2-2" X 4" BOTTOM PLATE + ANCHOR BOLT + WATERPROOFING LAYER (.006" POLYETHYLENE) ASPHALT BARRIER # 15 AROUND BEARING WALL

**BEARING WALL**

**BEAM & POSTS**

NO. NAME

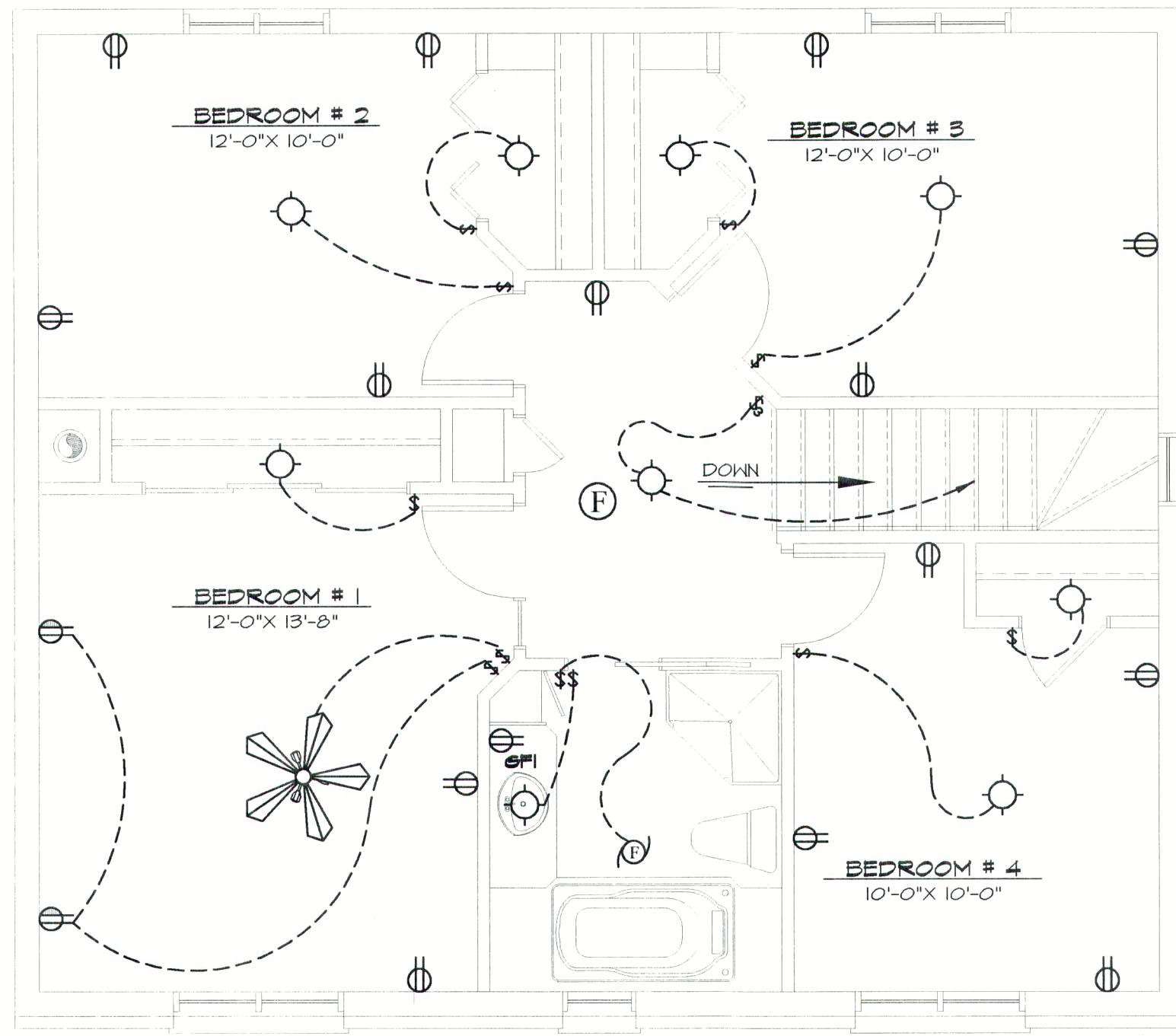


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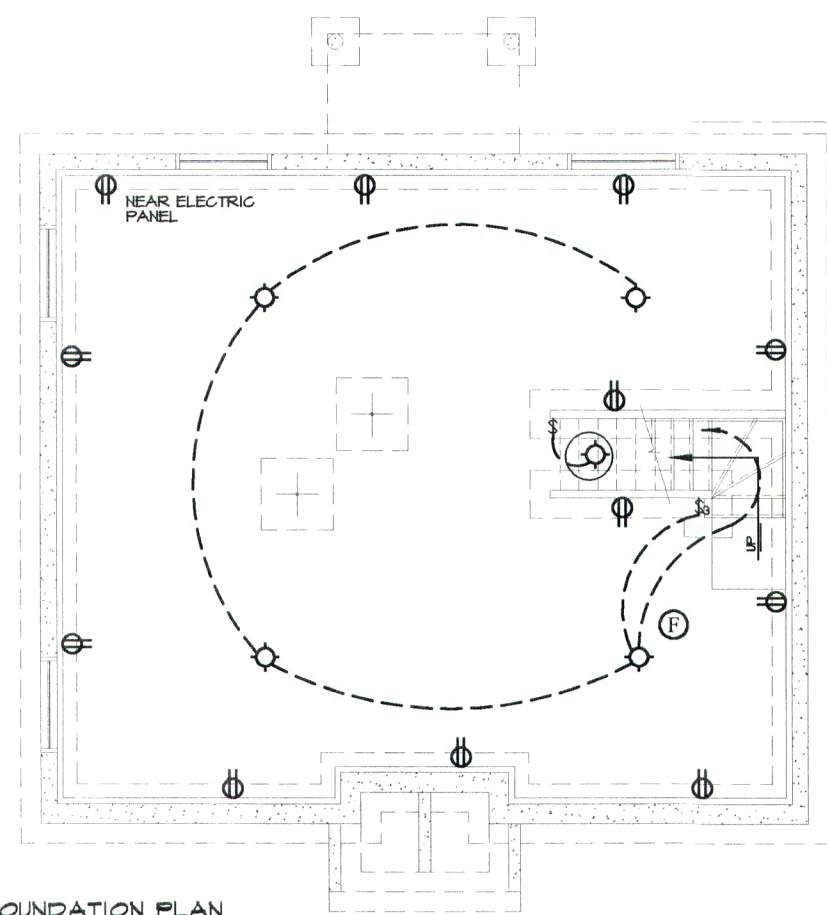
TYPICAL WALL SECTION 2-B-1

DESIGNE DRAWN	DATE	SCALE	NO.	NO. SHEET	SHEET NO.
M.R.		1"=1'-0"	2145 eng	10-11	

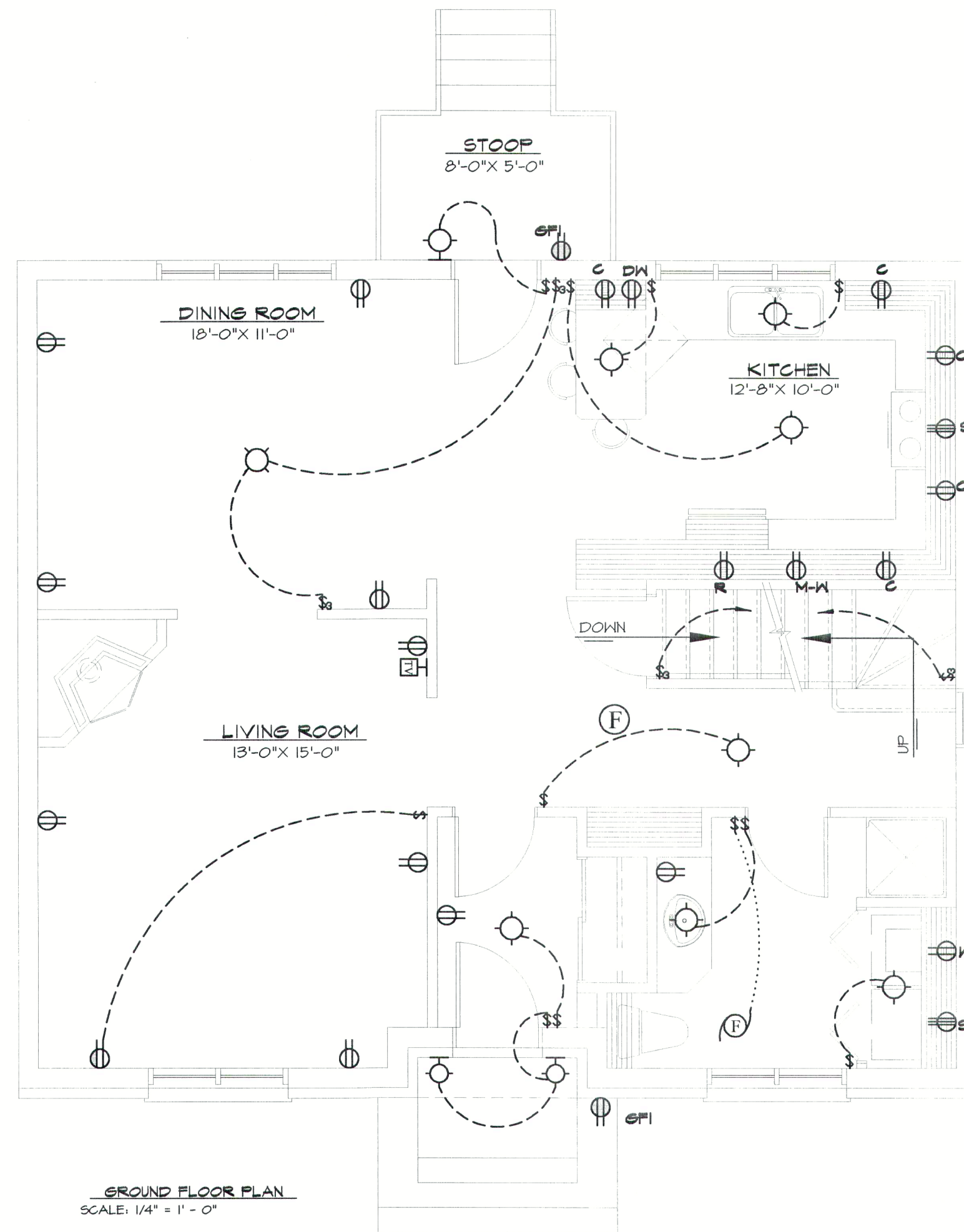




SECOND FLOOR PLAN  
SCALE: 1/4" = 1' - 0"

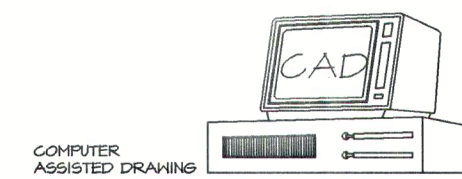


FOUNDATION PLAN  
SCALE: 1/8" = 1' - 0"



GROUND FLOOR PLAN  
SCALE: 1/4" = 1' - 0"

ELECTRIC LEGEND			
⊞	SINGLE POLE SWITCH	⊞	EMBEDDED LIGHT
⊞	THREE WAY SWITCH	⊞	ELECTRIC SMOKE DETECTOR
⊞	FOUR WAY SWITCH	⊞	TELEVISION CABLE
⊞	MICRO-WAVE OUTLET	⊞	PHONE OUTLET
⊞	REFRIGERATOR OUTLET	⊞	DOOR BELLS
⊞	RANGE OUTLET / COUNTER TOP RANGE DRYER OUTLET	⊞	BUZZER
⊞	COUNTER OUTLET	⊞	VENTILATOR
⊞	DISHWASHER OUTLET	⊞	
⊞	SINGLE OUTLET	⊞	
⊞	SEMI-CONTROLLED INTERIOR OUTLET	⊞	
⊞	RAZOR OUTLET (GROUND-FAULT CIRCUIT-INTERRUPTER)	⊞	
⊞	CENTRAL VACUUM	⊞	
⊞	EXTERIOR OUTLET (GROUND-FAULT CIRCUIT-INTERRUPTER)	⊞	
⊞	CEILING LIGHT OUTLET	⊞	
⊞	MURAL EXTERIOR LIGHT	⊞	
⊞	MURAL INTERIOR LIGHT	⊞	
⊞	EXHAUST FAN	⊞	



### TYPICAL ELECTRIC LAYOUT PLAN AND INSTALLATION

THE LOCATION OF THE ELECTRICAL MAIN ENTRANCE OF THE RESIDENCE IS DECIDED ON THE CONSTRUCTION SITE AND CAN BE PLACED ON EITHER ONE OF THE FOUR FOUNDATIONS WALLS OF THE CONSTRUCTION.

THERE IS A VARIETY OF ELECTRICAL SYSTEM INSTALLATION AND MANY DIFFERENT COMPONENTS. WITH THE EXPERTISE AN EXPERIENCED ELECTRICIAN, THIS ONE WILL ADAPT THE CHOSEN ELECTRICAL SYSTEM TO THE PRESENT PLAN FOR THE RULES AND REGULATIONS OF THE ACCESSORIES.

PLEASE TAKE NOTE THAT THE ELECTRICAL LAYOUT INDICATED ON THIS PLAN IS DESCRIBED AS A PREVIEW FOR THE FUTURE OWNER.



DRUMMOND DESIGNS INC.  
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NOM NAME

TITRE TITLE

ELECTRIC LAYOUT ADAPTED TO PLAN

DESIGNER DRAWN	DATE	ECHELLE SCALE	NO	NO. FEUILLE SHEET NO.
RD.			2145 eng.	