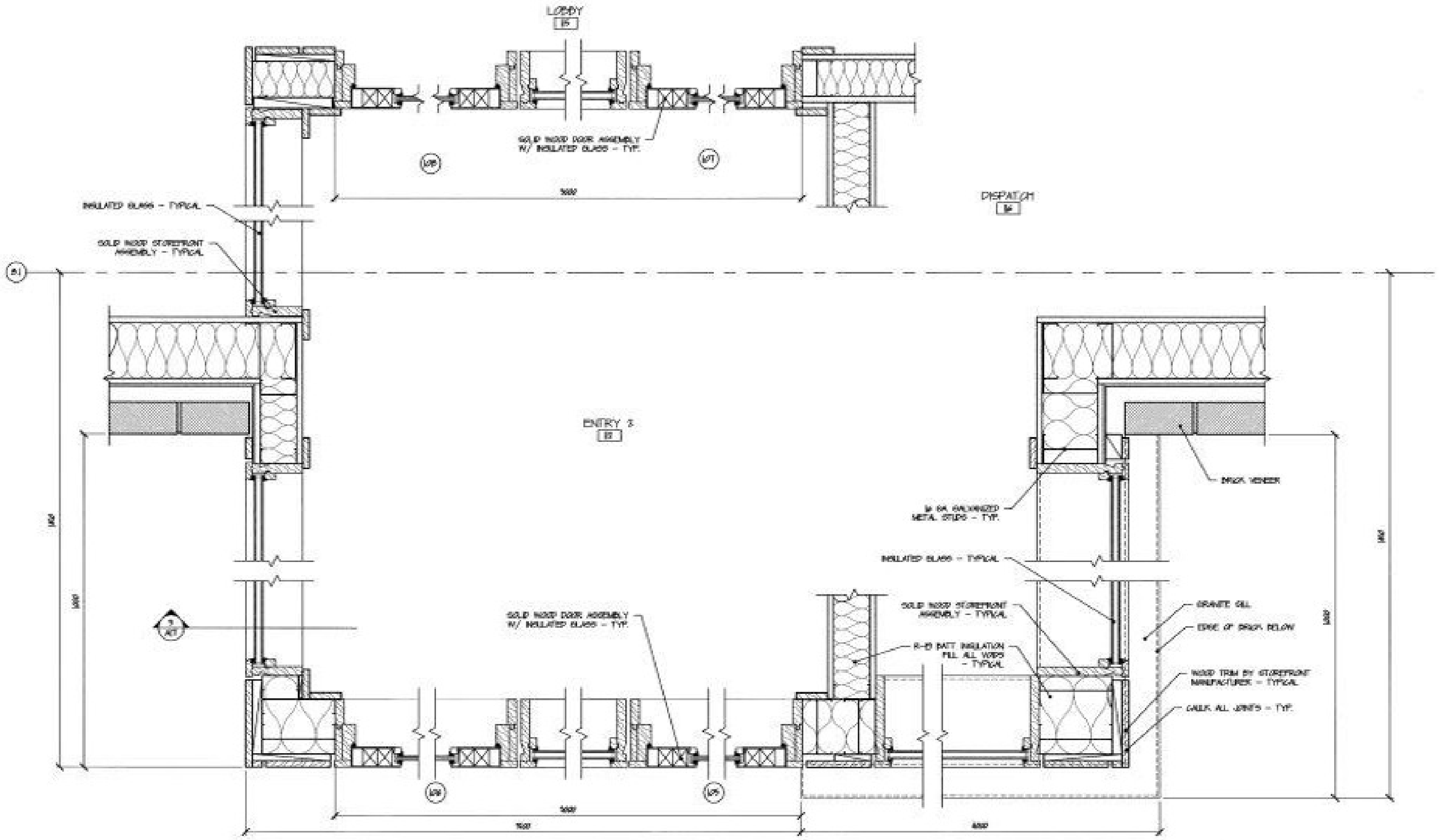

CANOPY ENTRANCE PLAN

1 = 5 mm

PROJECT NORTH

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REVISIONS

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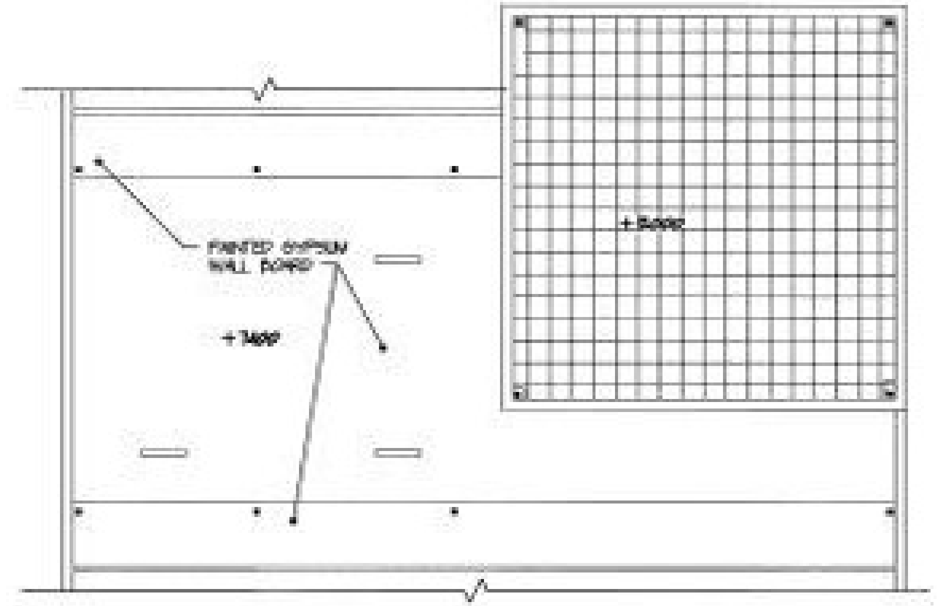
DETAILS

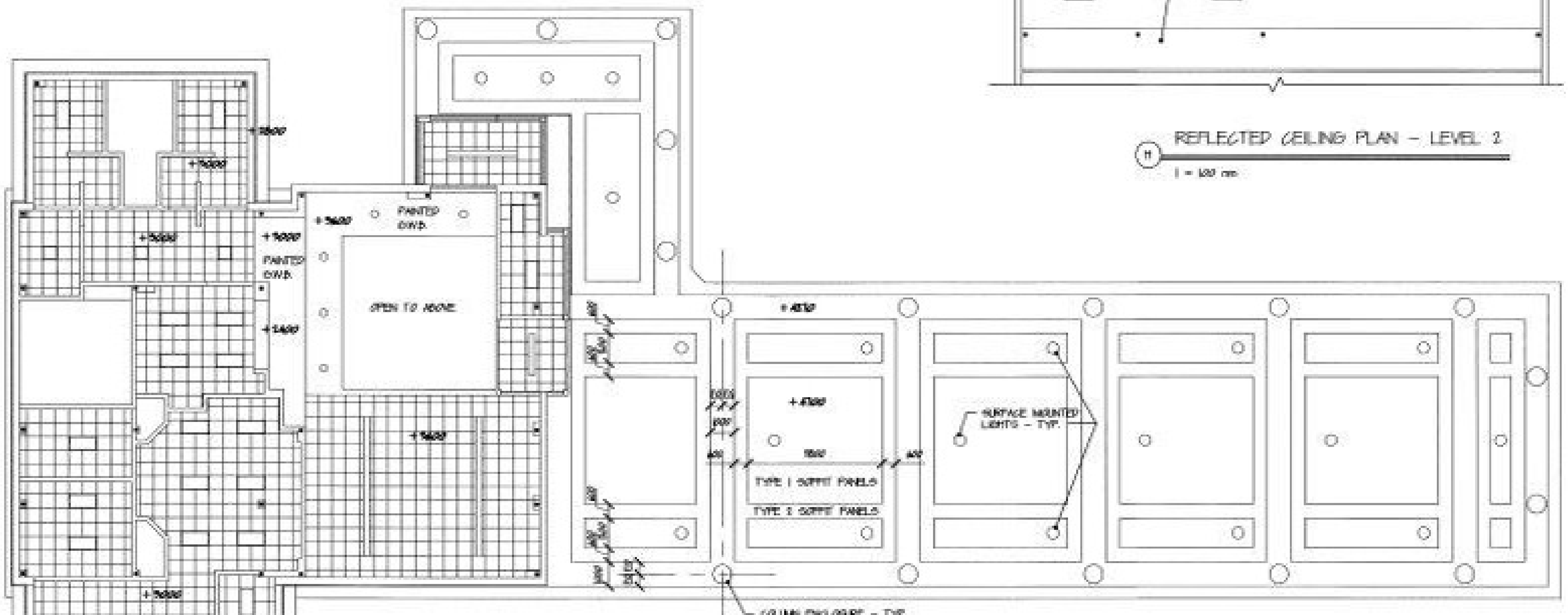
1 = 5 mm

A20



REFLECTED CEILING PLAN – LEVEL 2

1 = 100 mm



REFLECTED CEILING PLAN – LEVEL 1

1 = 100 mm

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PORTSMOUTH, NEW HAMPSHIRE

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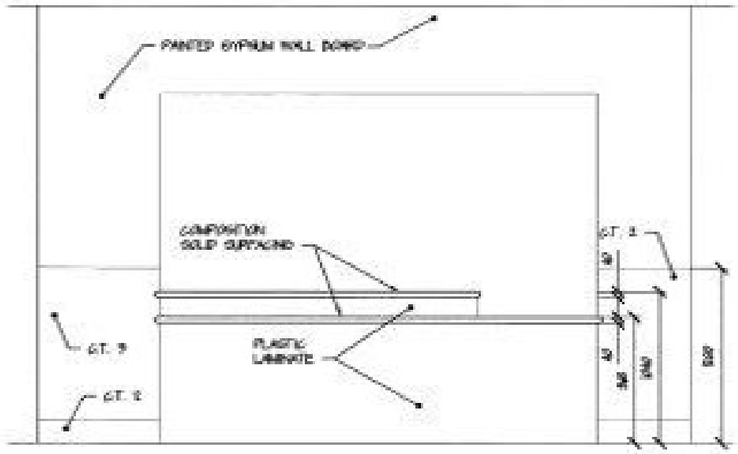
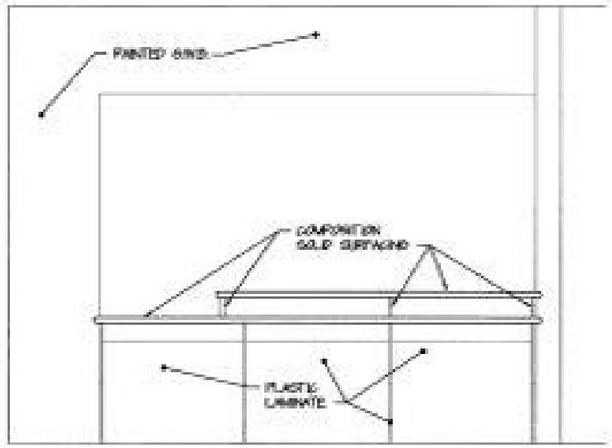
REFLECTED CEILING PLANS
LEVELS 1 AND 2

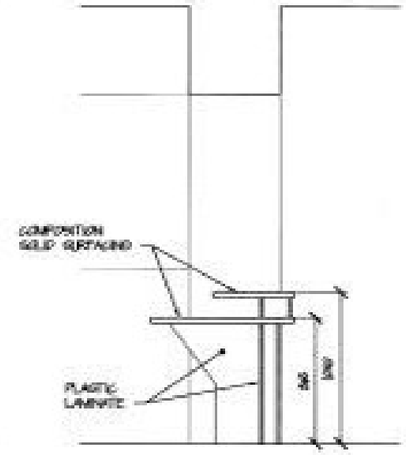
A21



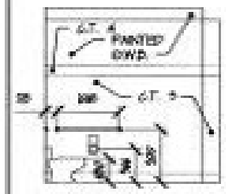
TICKET COUNTER – LOBBY ELEVATION
1 = 50 mm



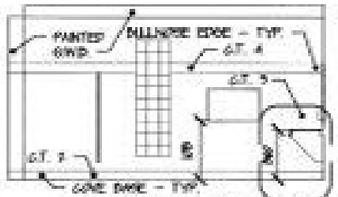
TICKET COUNTER – OFFICE ELEVATION
1 = 50 mm



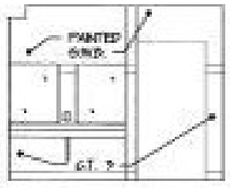
TICKET COUNTER – SECTION
1 = 50 mm



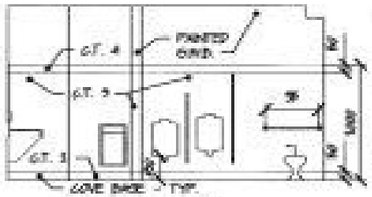
TOILET 100
1 = 50 mm



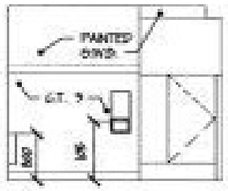
TOILET 101
2 A22 1 = 50 mm



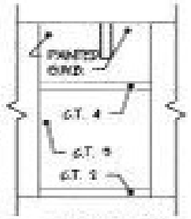
TOILET 101
3 A22 1 = 50 mm



TOILET 101
4 A22 1 = 50 mm

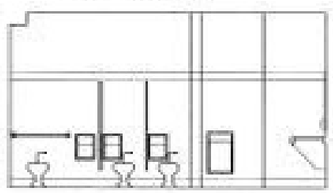


TOILET 101
5 A22 1 = 50 mm

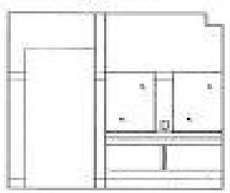


TOILET 101
6 A22 1 = 50 mm

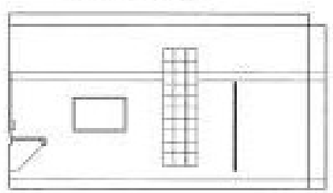
TOILET 100
7 A22 1 = 50 mm



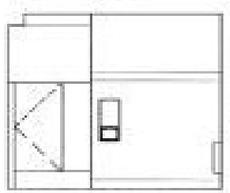
TOILET 100
8 A22 1 = 50 mm



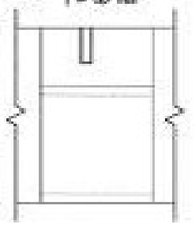
TOILET 100
9 A22 1 = 50 mm



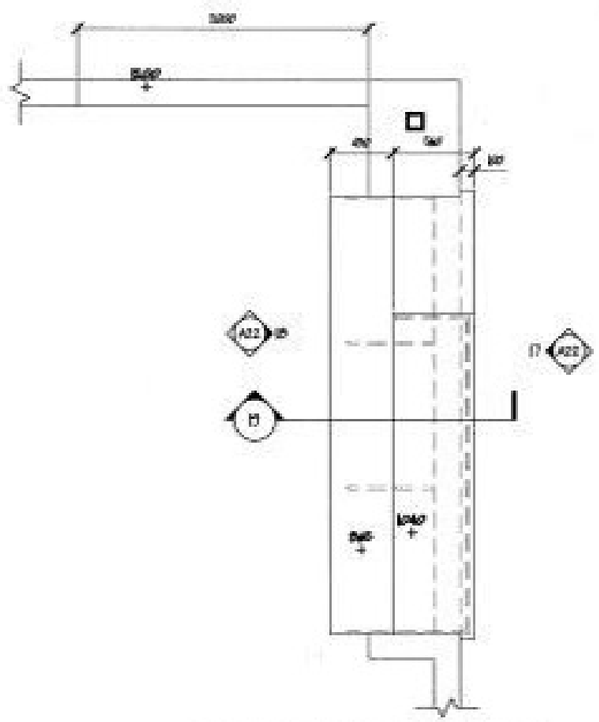
TOILET 100
10 A22 1 = 50 mm



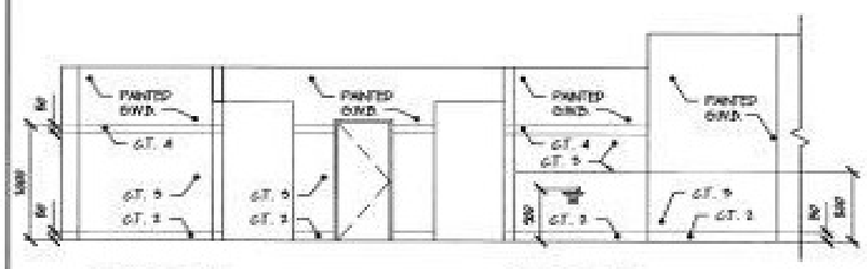
TOILET 100
11 A22 1 = 50 mm



TOILET 100
12 A22 1 = 50 mm

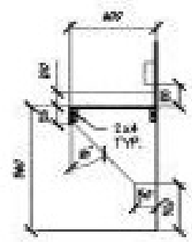


TICKET COUNTER – PLAN VIEW
1 = 50 mm



VENDING 108
14 A22 1 = 50 mm

CORRIDOR 111
15 A22 1 = 50 mm



TOILET COUNTER SECTION
1 = 10 mm

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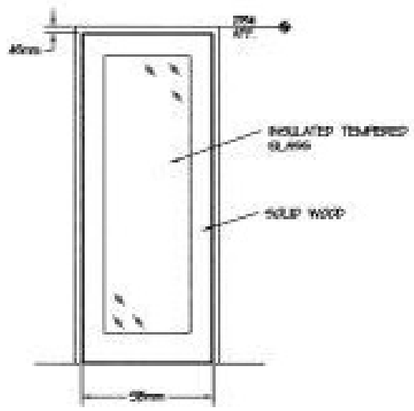
INTERIOR ELEVATIONS

A22

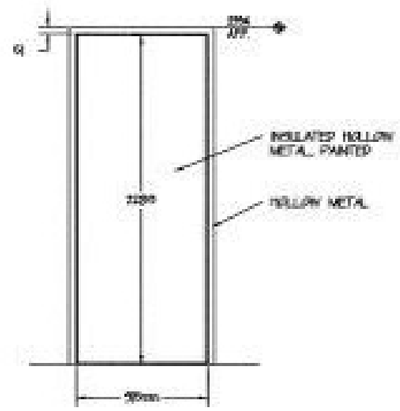
DOOR SCHEDULE

NUMBER	TYPE	MATL	SIZE	THICK.	FINIS	UNDER CUT	RATING	HARDWARE	FRAME TYPE	FRAME MATL	FRAME FINISH	JAMB	HEAD	REMARKS
101	1	WOOD 1	36x2134	57	CLEAR	–	–	1	–	SOLID WOOD	CLEAR	–	–	–
102	1	WOOD 1	36x2134	57	CLEAR	–	–	1	–	SOLID WOOD	CLEAR	–	–	
103	1	WOOD 1	36x2134	57	CLEAR	–	–	1	–	SOLID WOOD	CLEAR	–	–	
104	1	WOOD 1	36x2134	57	CLEAR	–	–	1	–	SOLID WOOD	CLEAR	–	–	
105	1	WOOD 1	36x2134	57	CLEAR	–	–	1	–	SOLID WOOD	CLEAR	–	–	–
106	1	WOOD 1	36x2134	57	CLEAR	–	–	1	–	SOLID WOOD	CLEAR	–	–	–
107	1	WOOD 1	36x2134	57	CLEAR	–	–	1	–	SOLID WOOD	CLEAR	–	–	
108	1	WOOD 1	36x2134	57	CLEAR	–	–	1	–	SOLID WOOD	CLEAR	–	–	–
109	2	WOOD 2	36x2134	45	CLEAR	–	–	5	–	NM	PAINT	2"	2"	–
110	2	WOOD 2	36x2134	45	CLEAR	–	–	4	–	NM	PAINT	2"	2"	
111	2	WOOD 2	36x2134	45	CLEAR	–	–	5	–	NM	PAINT	2"	2"	
112	2	WOOD 2	36x2134	45	CLEAR	–	45 MIN	5	–	NM	PAINT	2"	2"	
113	2	WOOD 2	36x2134	45	CLEAR	–	–	5	–	NM	PAINT	2"	2"	
114	2	WOOD 2	36x2134	45	CLEAR	–	–	5	–	NM	PAINT	2"	2"	
115	2	WOOD 2	36x2134	45	CLEAR	–	–	5	–	NM	PAINT	2"	2"	
116	2	WOOD 2	36x2134	45	CLEAR	–	–	5	–	NM	PAINT	2"	2"	
117	2	WOOD 2	36x2134	–	CLEAR	–	–	5	–	NM	PAINT	2"	2"	
118	2	WOOD 2	36x2134	–	CLEAR	–	–	7	–	NM	PAINT	2"	2"	
119	3	INSULTEM	36x2189	–	BALV/PAINT	–	–	4	–	NM	BALV/PAINT	2"	2"	
120	3	INSULTEM	36x2189	–	BALV/PAINT	–	–	4	–	NM	BALV/PAINT	2"	2"	
121	4	INSULTEM	84x2189	–	BALV/PAINT	–	–	4	–	NM	BALV/PAINT	2"	2"	



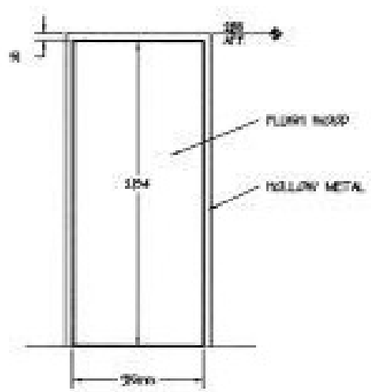
EXTERIOR WOOD DOOR TYPE 1

1 = 50 mm



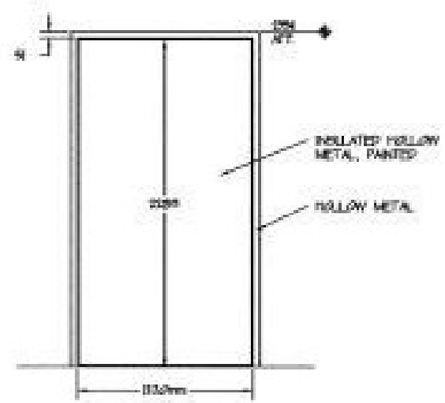
EXTERIOR HOLLOW METAL DOOR TYPE 3

1 = 50 mm



INTERIOR DOOR TYPE 2

1 = 50 mm



EXTERIOR HOLLOW METAL DOOR TYPE 4

1 = 50 mm

FINISH SCHEDULE

Room Name	Room Number	FLOOR						N WALL				E WALL				S WALL				W WALL				REMARKS
		CERAMIC TILE	RESILIENT TILE	CARPET	SEALED/PAINTED PLYWOOD	PLYWOOD UNPAINTED	SEALED CONC.	PAINTED GYP.	CERAMIC TILE 2000	CERAMIC TILE 1500		PAINTED GYP.	CERAMIC TILE 2000	CERAMIC TILE 1500		PAINTED GYP.	CERAMIC TILE 2000	CERAMIC TILE 1500		PAINTED GYP.	CERAMIC TILE 2000	CERAMIC TILE 1500		
TOILET	100	●						●	●			●	●			●	●			●	●			
TOILET	101	●						●	●			●	●			●	●			●	●			
JAN	102		●					●				●				●				●			●	
MEN	103		●					●				●				●				●				
WAITING	104			●								●				●				●				
OFFICE 1	105			●				●				●				●				●				
OFFICE 2	106			●				●				●				●				●				
TICKETS	107			●				●				●				●				●				
OFFICE 3	108		●	●				●				●				●				●				
DRINK	109		●	●				●				●				●				●				
OFFICE 4	110			●				●				●				●				●				
CORRIDOR	111			●				●	●			●				●		●		●	●			
ENTRY 2	112				●			●				●				●				●				PAINTED ABOVE STORE FRONT
ENTRY 1	113				●			●				●				●				●				
TOILET	114		●					●		●		●		●		●		●		●		●		
LOBBY	115		●					●		●		●		●						●		●		
DISPATCH	116			●				●				●				●				●				
MEC LEVEL 3	210					●		●				●				●				●				

WINDOW SCHEDULE

ID	TYPE	DESCRIPTION	MANUFR.	FRAME MATL	FRAME FIN	FR. DEPTH	REMARKS
A	WOOD	FIXED	INSUL	WOOD	CLEAR	2x6	
B	WOOD	AWNING	INSUL	WOOD	CLEAR	2x6	
H1 (REPRINT)	WOOD	FIXED	INSUL	WOOD	CLEAR	2x6	

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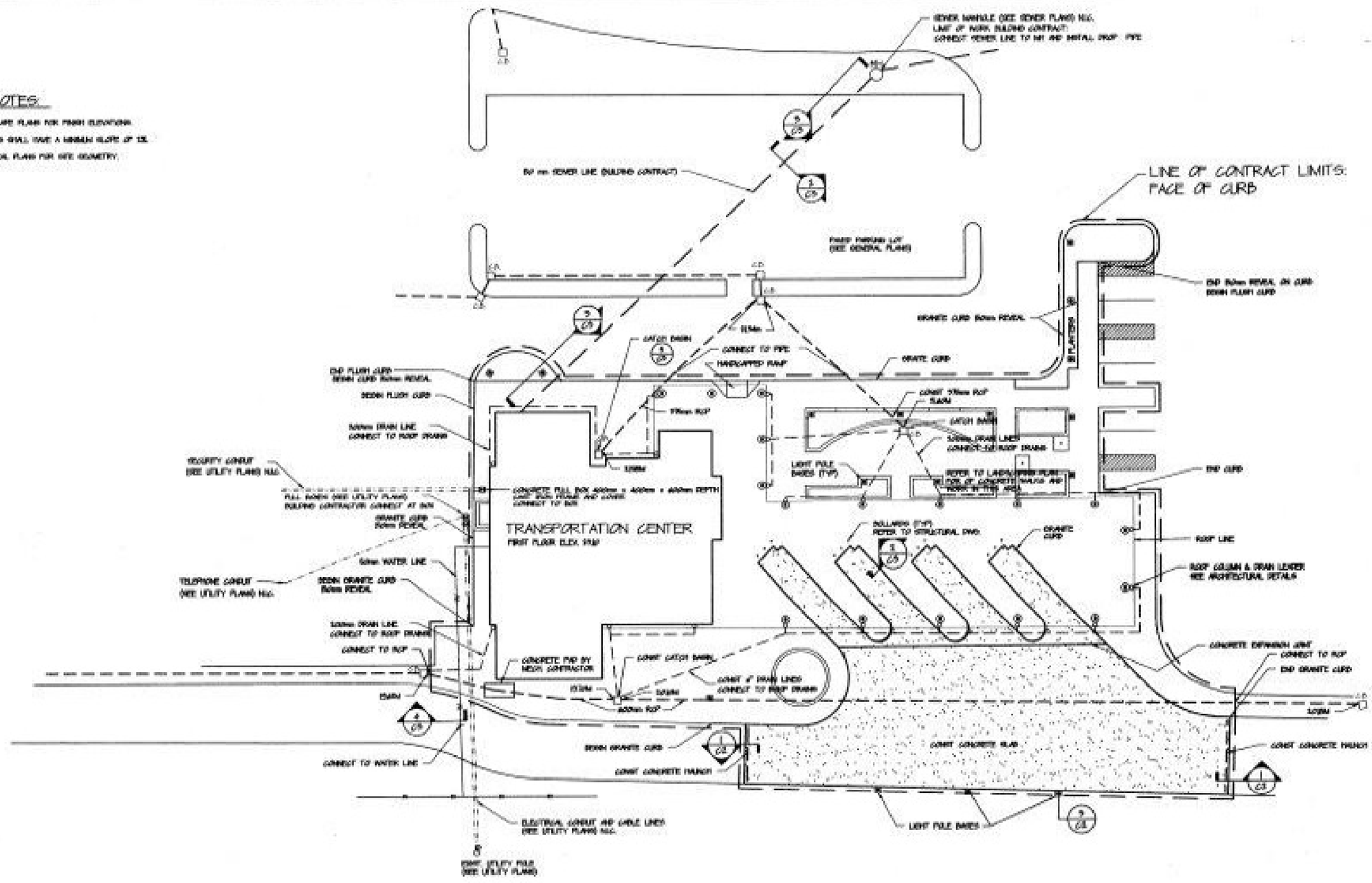
SCHEDULES: DOOR, WINDOW AND FINISH

PAGE NO. A15

GENERAL NOTES:

1) REFER TO LANDSCAPE PLANS FOR FINISH ELEVATIONS.
2) ROOF DRAIN PIPES SHALL HAVE A MINIMUM SLOPE OF 1%.
3) REFER TO GENERAL PLANS FOR SITE GEOMETRY.



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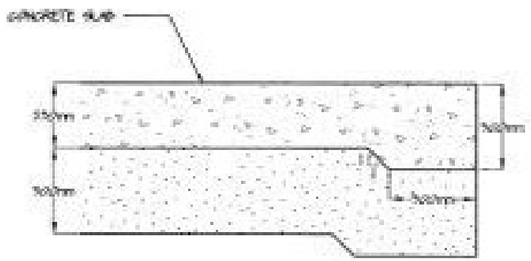
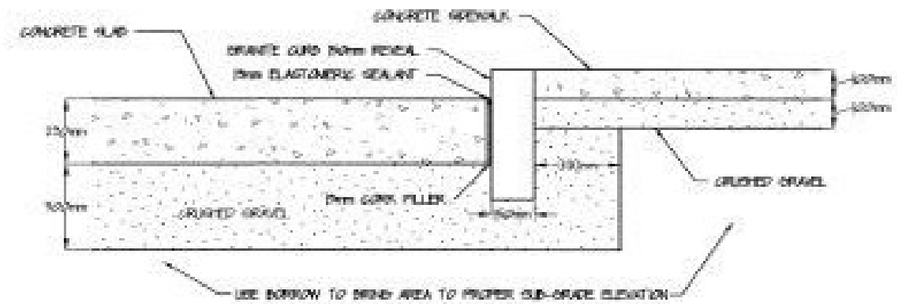
SITE PLAN

C1



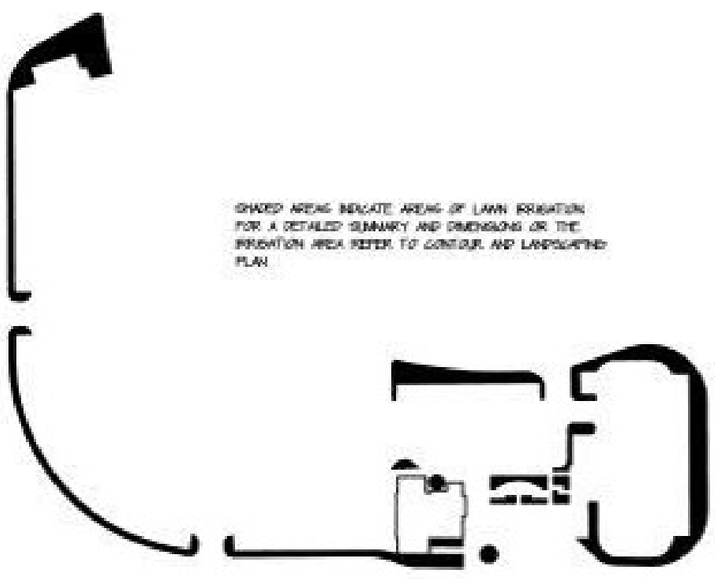
1/C3 CONCRETE HAUNCH DETAIL

1 = 10 mm



1/C3 CONCRETE, SIDEWALK, AND CURB DETAIL

1 = 10 mm

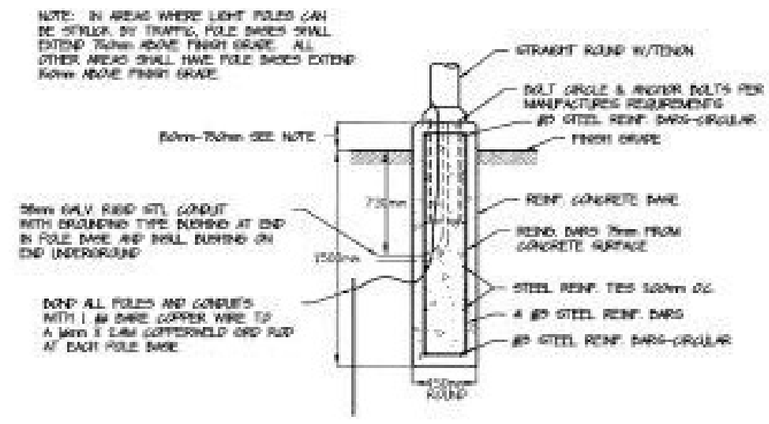


SHADED AREAS INDICATE AREAS OF LAWN IRRIGATION FOR A DETAILED SUMMARY AND DIMENSIONS OF THE IRRIGATION AREA REFER TO CONTOUR AND LANDSCAPING PLAN

LAWN IRRIGATION SYSTEM

NTS

NOTE: IN AREAS WHERE LIGHT POLES CAN BE STRUCK BY TRAFFIC, POLE BASES SHALL EXTEND 750mm ABOVE FINISH GRADE. ALL OTHER AREAS SHALL HAVE POLE BASES EXTEND 150mm ABOVE FINISH GRADE.



1/C3 FIXTURE TYPE 'T' BASE

1 = 20 mm

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CIVIL DETAILS

C3

GENERAL NOTES

SEWER LINE

1) THE SEWER PIPE SIZE FOR THE BUILDING SERVICE SHALL BE 150 mm

2) PIPE AND JOINT MATERIALS:

A. THE SEWER PIPE SHALL BE 150 mm (6IN) IN PVC SEWER PIPE CONFORMING TO ASTM D 3034.

B. JOINT SEALS FOR PVC PIPE SHALL BE OIL RESISTANT COMPRESSION RINGS OF ELASTOMERIC MATERIAL CONFORMING TO ASTM D-3212 AND SHALL BE PUSH-ON, BELL AND SPIGOT TYPE.

3) DAMAGED PIPE SHALL BE REJECTED AND REMOVED FROM THE JOB SITE.

4) JOINTS SHALL BE DETERGENT (PVC) & NEOPRENE OR ELASTOMERIC GASKET FOR WATER TIGHTNESS. ALL JOINTS SHALL BE PROPERLY MATCHED WITH THE PIPE MATERIALS USED. WHERE DIFFERENT MATERIALS ARE TO BE CONNECTED, AT THE NEAREST SEWER PITS OR AT THE FOUNDATION WALL, APPROPRIATE MANUFACTURED ADAPTERS SHALL BE USED.

5) BUILDING SEWER INSTALLATION. THE PIPE SHALL BE HANDLED, PLACED, AND JOINTED IN ACCORDANCE WITH INSTALLATION GUIDES OF THE APPROPRIATE MANUFACTURER. IT SHALL BE CAREFULLY BEDDED ON A 150 mm LAYER OF COURSED STONE AND/OR GRAVEL AS SPECIFIED IN NOTE 7. BEDDING AND RE-FILL FOR A DEPTH OF 300 mm ABOVE THE TOP OF THE PIPE SHALL BE CAREFULLY AND THOROUGHLY TAMPED BY HAND OR WITH APPROPRIATE MECHANICAL DEVICES.

THE PIPE SHALL BE LAID AT A UNIFORM AND CONSTANT GRADE FOR THE SHORTEST SEWER CONNECTION TO THE FOUNDATION AT A SLOPE OF NOT LESS 1%. PIPE JOINTS MUST BE MADE UNDER DRY CONDITIONS. IF WATER IS PRESENT, ALL NECESSARY STEPS SHALL BE TAKEN TO DEWATER THE TRENCH.

6) TESTING: THE COMPLETED HOUSE SEWER SHALL BE LEAKAGE TESTED IN ANY OF THE FOLLOWING MANNERS:

A. AN INFLATABLE BLADDER OR PLUG SHALL BE INSERTED IN THE SEWER PIPE OUTLET AT THE FIRST DOWNSTREAM SEWER MANHOLE. AFTER INFLATION, WATER SHALL BE INTRODUCED INTO THE SYSTEM ABOVE THE PLUG TO A HEIGHT OF 3 m ABOVE THE LEVEL OF THE PLUG.

B. INFLATABLE PNEUMATIC PLUGS SHALL BE INSTALLED IN THE SEWER PIPE OUTLET AT THE FIRST DOWNSTREAM SEWER MANHOLE AND AT THE BUILDING (CLEAN OUT). LOW PRESSURE AIR SHALL BE INTRODUCED INTO THIS SEALED LINE UNTIL THE INTERNAL AIR PRESSURE REACHES 28 kPa GREATER THAN THE AVERAGE BACK PRESSURE OF ANY GROUND WATER THAT MAY BE OVER THE PIPE. AT LEAST TWO MINUTES SHALL BE ALLOWED FOR THE AIR PRESSURE TO STABILIZE. AFTER THE STABILIZATION PERIOD (34 kPa MINIMUM PRESSURE IN THE PIPE), THE AIR HOSE FROM THE CONTROL PANEL TO THE AIR SUPPLY SHALL BE DISCONNECTED. IF THE TIME REQUIRED FOR THE PRESSURE TO REDUCE FROM 34 TO 17 kPa IS GREATER THAN 7 MINUTES THE LINE IS ACCEPTABLE.

LEAKAGE OBSERVED IN ANY ONE OF THE ABOVE ALTERNATE TESTS SHALL BE CAUSE FOR NON-ACCEPTANCE AND THE PIPE SHALL BE DUG-UP IF NECESSARY AND RE-LAID SO AS TO ENSURE WATER TIGHTNESS.

7) ILLEGAL CONNECTIONS: NOTHING BUT SANITARY WASTE FLOW FROM HOUSE TOILETS, SINKS, LAUNDRY ETC. SHALL BE PERMITTED. ROOF LEADERS, FOOTING DRAINS, SUMP PUMPS OR OTHER SIMILAR CONNECTIONS CARRYING RAIN WATER, DRAINAGE OR GROUND WATER SHALL NOT BE PERMITTED.

8) HOUSE WATER SERVICE SHALL NOT BE LAID IN THE SAME TRENCH AS THE SEWER SERVICE.

9) BEDDING: SCREENED GRAVEL AND/OR CRUSHED STONE FREE FROM CLAY, LOAM, ORGANIC MATERIAL AND MEETING ASTM C33-67.

3/8IN PASSING	9.5 mm SCREEN
3/8IN-#4 PASSING	25.0 mm SCREEN
1/2IN-#8 PASSING	12.5 mm SCREEN
3/4IN-#16 PASSING	4.75 mm SCREEN
1IN- #8 PASSING	2.36 mm SCREEN

MORE ORDERED BY THE ENGINEER TO STABILIZE THE TRENCH BASE, SCREENED GRAVEL OR CRUSHED STONE 6 mm TO 38 mm SHALL BE USED.

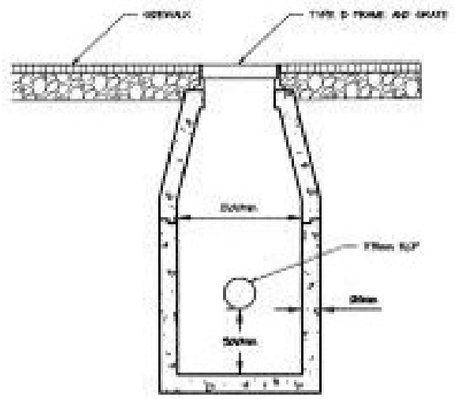
10) EXCAVATION OF UNSUITABLE MATERIAL: ADDITIONAL EXCAVATION AS NEEDED TO REMOVE UNSUITABLE MATERIAL SHALL BE REPLACED WITH BEDDING MATERIAL.

11) TRENCH WIDTH SHALL BE A MINIMUM OF 1 M

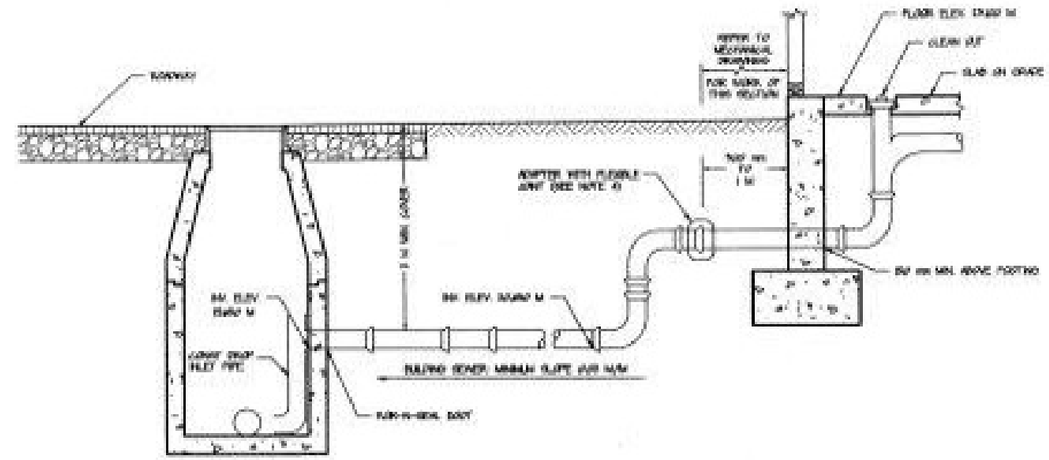
WATER LINE

12) PRESSURE TEST SHALL BE A 700 kPa (PRESSURE) WATER TEST FOR AT LEAST ONE HOUR WITH NO LOSS OF PRESSURE.

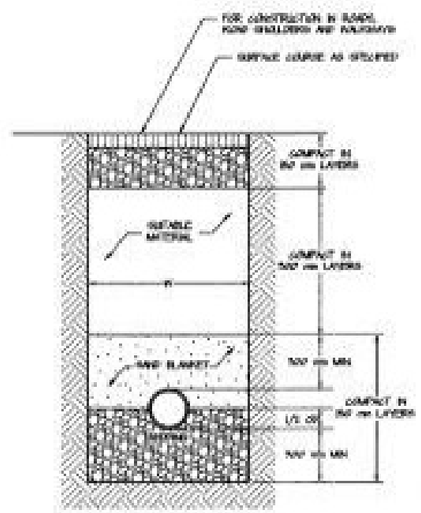
13) BACTERIA TESTING: THOROUGHLY FLUSH WATER LINE AND PROVIDE WATER SAMPLE TO CITY OF PORTSMOUTH WATER DEPARTMENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE WATER LINE MEETS ALL CITY STANDARDS FOR BACTERIA CONTAMINATION.



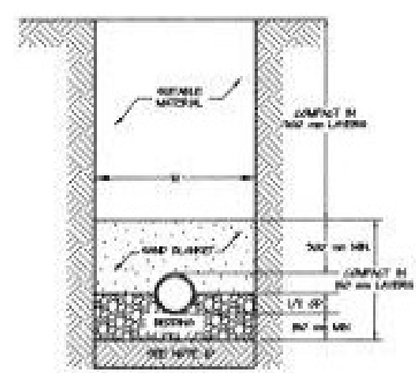
CATCH BASIN DETAIL
NOT TO SCALE



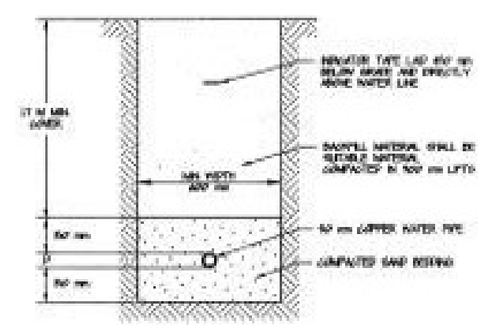
SEWER BUILDING CONNECTION DETAIL
NOT TO SCALE



SEWER TRENCH CROSS-SECTION (LEDGE)
NOT TO SCALE



SEWER TRENCH CROSS-SECTION
NOT TO SCALE



WATER LINE TRENCH CROSS SECTION
NOT TO SCALE

CIVIL_BET.DWG 9-8-98 9:42:48 am EST

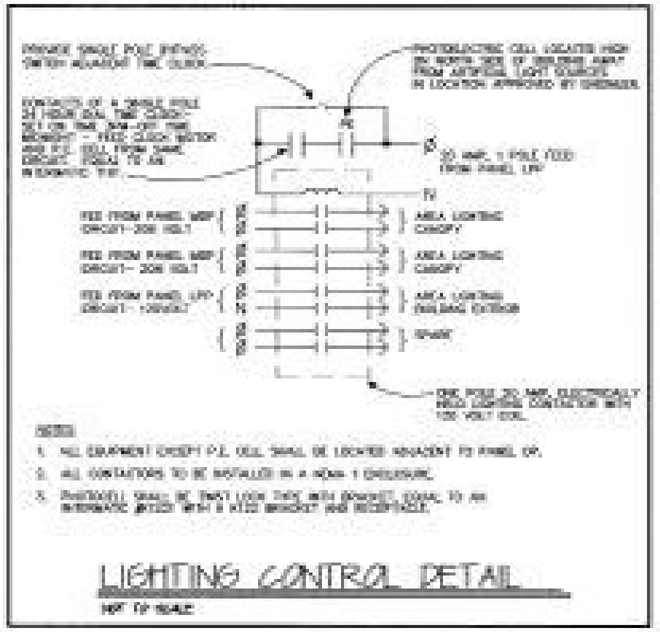
STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS

PORTSMOUTH TRANSPORTATION CENTER

PORTSMOUTH, NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

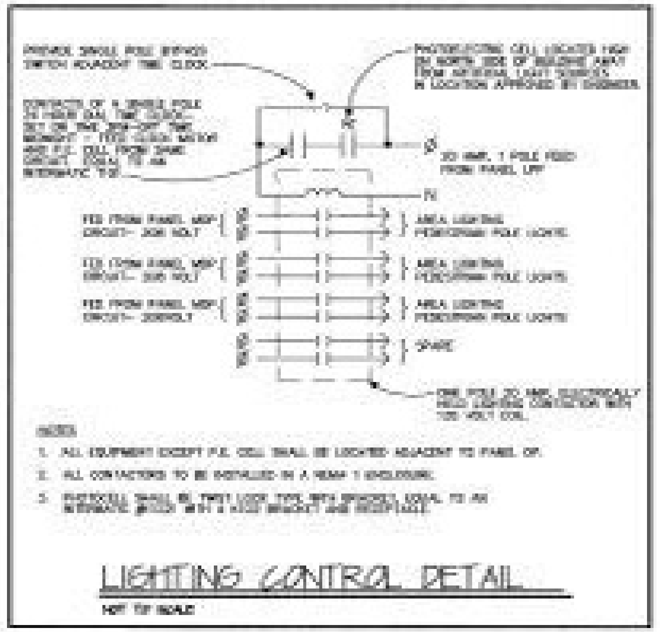
SEWER, WATER & DRAINAGE DETAILS

C3



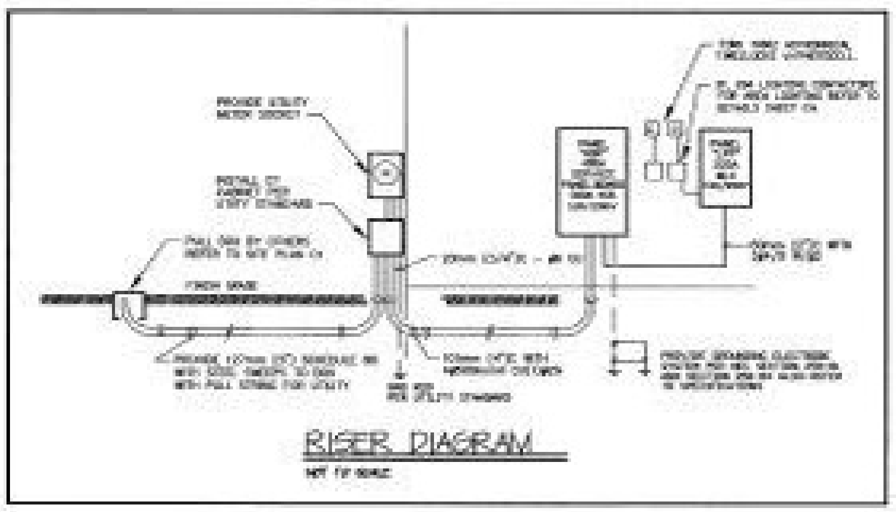
LIGHTING CONTROL DETAIL

NOT TO SCALE



LIGHTING CONTROL DETAIL

NOT TO SCALE



RISER DIAGRAM

NOT TO SCALE

GENERAL ELECTRICAL NOTES

1. THE DRAWINGS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SPECIFICALLY SHOW EVERY REQUIRED JUNCTION BOX, HARDWARE, LOCK, ACCESSORY, SUPPORT, FITTINGS, ETC. THE CONTRACTOR SHALL BE REQUIRED TO FURNISH AND INSTALL ALL ITEMS NECESSARY FOR COMPLETE SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF FINAL LOCATION OF MECHANICAL EQUIPMENT AND ARCHITECTURAL FEATURES OF THE BUILDING.
2. ALL PANELS SHALL BE EQUIPPED WITH A SEPARATE GROUND BUS. ALL CATALOG NUMBERS ARE AS MANUFACTURED BY SQUARE D COMPANY. ALL PANELS SHALL BE PROVIDED WITH HINGED TRIMS.
3. [illegible]
4. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK WITH UTILITY. [illegible]
5. ALL WIRING SHALL BE RUN CONCEALED, ABOVE CEILINGS, IN WALLS AND SLABS. ALL CIRCUITS SHALL BE RUN IN CONDUIT AND NO CABLE [illegible] UNLESS SPECIFIED. ALL [illegible] BACK TO RESPECTIVE PANELBOARD.
6. ELECTRICAL CONTRACTOR SHALL PERFORM AND COORDINATE ALL ELECTRICAL WORK SHOWN ON SHEET C1 SITE PLAN. [illegible]

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER & CATALOG NUMBER	LAMP TYPE	VOLTAGE	LAMP WATTAGE	OTHER MANUF.	REMARKS
A	COLUMBIA [illegible]	(2) T8	120V	32	LITHONIA HUBBEL	CEILING RECESSED
A1	COLUMBIA [illegible]	(2) T8	120V	32	LITHONIA HUBBEL	CEILING RECESSED
A2	COLUMBIA [illegible]	(2) T8	120V	32	LITHONIA HUBBEL	CEILING RECESSED
B	COLUMBIA [illegible]	(1) T8	120V	32	COLUMBIA LITHONIA	CEILING RECESSED – LAY IN
C	COLUMBIA [illegible]	(2) T8	120V	32	LITHONIA HUBBEL	RECESSED – STATIC TROFFER
D	COLUMBIA [illegible]	(2) T8	120V	32	LITHONIA HUBBEL	LENGTH OF [illegible] INDIRECT STEM MOUNTED
D1	COLUMBIA [illegible]	(2) T8	120V	32	LITHONIA HUBBEL	LENGTH OF [illegible] INDIRECT STEM MOUNTED
D2	COLUMBIA [illegible]	(2) T8	120V	32	LITHONIA HUBBEL	LENGTH OF [illegible] INDIRECT STEM MOUNTED
F	[illegible]	(2) 13TT	120V	13	HALO	WALL MOUNTED SCONCE
G	COLUMBIA [illegible]	(1) T8	120V	32	LITHONIA HUBBEL	WALL MOUNTED ABOVE MIRROR
H	PRESCOLITE [illegible]	(2) 13TT	120V	13	COLUMBIA HUBBEL	RECESSED
M	COLUMBIA [illegible]	(1) T8	120V	32	COLUMBIA HUBBEL	SURFACE MTD W/WIREGUARD
N	[illegible]	[illegible]	120V	100		CABLE END SIGN FIXTURES
K	[illegible]	(1) MH	120V	200	LITHONIA HUBBEL	WALL MOUNTED FIELD ADJUSTED
P	[illegible]	(1) MH	208V	100		STEM SUPPORT – REQUIRED
R	[illegible]	(1) MH	208V	100		WALL SUPPORT REQUIRED
S	[illegible] – 12' POLE	(1) MH	208V	150		POLE MOUNTED PROVIDE [illegible] POLE
T	[illegible] – 12' POLE	(1) MH	208V	100		POLE MOUNTED PROVIDE [illegible] POLE
U	[illegible]	(1) MH	120V	39		PARKING
W	[illegible]	HALOG	120V/12V	50		UNDER FLAG POLE
Z	[illegible]	HALOG	120V/12V	75		UPLIGHT FOR TREE
(emergency battery unit symbol)	PRESCOLITE [illegible]	INC	120V	5.4	[illegible] LITHONIA	
(emergency remote heads symbol)	PRESCOLITE [illegible]	PAR36	120V	18	[illegible] LITHONIA	ORDER SINGLE OR DUAL AS REQUIRED
(exit sign symbol)	PRESCOLITE [illegible]	2 PLC	120V	2.6	[illegible] LITHONIA	

PANEL SCHEDULES

MDP SHALL BE A THREE PHASE, FOUR WIRE, 120/208 VOLT, SURFACE MOUNTED, SQUARE D TYPE 400 AMP PANELBOARD WITH 300 AMP MAIN BREAKER AND WITH THE PANELBOARD ASSEMBLY RATED FOR A MINIMUM OF 22,000 A.I.C.:

ONE	150 AMP	3 POLE – PANEL LPP
ONE	30 AMP	3 POLE – BOILER #1
ONE	30 AMP	3 POLE – BOILER #2
ONE	30 AMP	3 POLE – (2 HP) – AHU
ONE	30 AMP	3 POLE – (5 HP) – AHU
ONE	40 AMP	3 POLE – CONDENSER #1
ONE	55 AMP	3 POLE – CONDENSER #2
ONE	20 AMP	1 POLE – EF1 & EF2
ONE	20 AMP	2 POLE – AREA LIGHTS – PEDESTRIAN
ONE	20 AMP	2 POLE – AREA LIGHTS – PEDESTRIAN
ONE	20 AMP	2 POLE – AREA LIGHTS – PEDESTRIAN
ONE	20 AMP	2 POLE – AREA LIGHTS – BUILDING EXTERIOR
ONE	20 AMP	2 POLE – AREA LIGHTS – CANOPY
ONE	20 AMP	2 POLE – AREA LIGHTS – CANOPY
ONE	30 AMP	3 POLE – SPARE
ONE	20 AMP	2 POLE – SPARE
THREE		3 POLE – SPACES

LPP SHALL BE A THREE PHASE, FOUR WIRE, 120/208 VOLT, SURFACE MOUNTED, SQUARE D TYPE PANELBOARD WITH 225 AMP MAIN LUGS AND WITH THE PANELBOARD ASSEMBLY RATED FOR A MINIMUM OF 10,000 A.I.C.:

ONE	20 AMP	1 POLE – F.A. SYSTEM (BREAKER LOCK)
ONE	20 AMP	1 POLE – WATER COOLER
ONE	20 AMP	1 POLE – HVAC CONTROL PANEL
ONE	20 AMP	1 POLE – RECEPTACLE "PSCE" CONSOLE
ONE	20 AMP	1 POLE – RECEPTACLE / SECURITY PANEL
ONE	20 AMP	1 POLE – LIGHTS – TOWER
ONE	20 AMP	1 POLE – LIGHTS – TOWER
ONE	20 AMP	1 POLE – LIGHTS – TOWER
ONE	20 AMP	1 POLE – LIGHTS – TOWER
ONE	20 AMP	1 POLE – LIGHTING OFFICE/GENERAL
ONE	20 AMP	1 POLE – LIGHTING OFFICE/GENERAL
ONE	20 AMP	1 POLE – LIGHTING ATTIC/RESTROOM/CORRIDOR
ONE	20 AMP	1 POLE – LIGHTING WAITING/GENERAL AREA
ONE	20 AMP	1 POLE – RECEPTACLES CANOPY
ONE	20 AMP	1 POLE – RECEPTACLES CANOPY
ONE	20 AMP	1 POLE – RECEPTACLES CANOPY
ONE	20 AMP	1 POLE – RECEPTACLES CANOPY
ONE	20 AMP	1 POLE – RECEPTACLES CANOPY
ONE	20 AMP	1 POLE – RECEPTACLES GENERAL
ONE	20 AMP	1 POLE – RECEPTACLES GENERAL
ONE	20 AMP	1 POLE – RECEPTACLES GENERAL
ONE	20 AMP	1 POLE – RECEPTACLES OFFICE AREA
ONE	20 AMP	1 POLE – RECEPTACLES OFFICE AREA
ONE	20 AMP	1 POLE – TELEPHONE BOARD RECEPT.
ONE	20 AMP	1 POLE – TELEPHONE BOARD RECEPT.
ONE	20 AMP	1 POLE – PANEL BACKBOARD RECEPT.
ONE	20 AMP	1 POLE – RECEPT. RESTROOMS
ONE	20 AMP	1 POLE – RECEPTACLE ATTIC
ONE	20 AMP	1 POLE – TIME CLOCK/PHOTOCELL
ONE	20 AMP	1 POLE – TIME CLOCK/PHOTOCELL
ONE	20 AMP	1 POLE – LIGHTING CONTACTOR
ONE	20 AMP	1 POLE – LIGHTING CONTACTOR
ONE	20 AMP	1 POLE – GAS WATER HEATER
NINE	20 AMP	1 POLE – SPARES

ELECTRICAL LEGEND

- HOMERUN IN CONDUIT BACK TO PANELBOARD, FEED FROM PANEL PP, CIRCUIT [illegible] — HATCH MARKS INDICATE QUANTITY OF No. 12 AWG CURRENT CARRYING CONDUCTORS [illegible]
- BRANCH CIRCUIT RUN
- WIRING FOR EMERGENCY CIRCUIT [illegible]
- PANELBOARD, REFER TO SPECIFICATIONS AND SCHEDULES
- QUAD RECEPTACLE, FED FROM PANEL [illegible], CIRCUIT [illegible]. WIRE AS REQUIRED
- DUPLEX RECEPTACLE, FED FROM PANEL PP, CIRCUIT [illegible]. WIRE AS REQUIRED. C - CONTROL, MOUNT [illegible] ABOVE COUNTER
- WALL CLOCK, PROVIDE CLOCK RECEPTACLE AND CLOCK
- JUNCTION BOX - SIZED IN ACCORDANCE WITH NEC - [illegible]
- PROVIDE TELEPHONE OUTLET BOX [illegible]. PROVIDE [illegible] EMPTY CONDUIT TO TELEPHONE (TEL) BACKBOARD. [illegible]
- PROVIDE [illegible] TELEPHONE DEVICE BOX [illegible]
- SWITCH, SINGLE POLE AT 1200mm [illegible] AFF
- SWITCH, THREE-WAY AT [illegible] AFF
- SWITCH, PILOT LIGHT AT 1200mm [illegible] AFF
- SWITCH, KEY TYPE AT 1200mm [illegible] AFF
- RECESSED LIGHTING FIXTURE, CAPITAL LETTER FROM FIXTURE SCHEDULE DENOTES TYPE
- LIGHTING FIXTURE, CAPITAL LETTER FROM FIXTURE SCHEDULE DENOTES TYPE
- METAL HALIDE, OR FLUORESCENT ROUND FIXTURE, CAPITAL LETTER FROM FIXTURE SCHEDULE DENOTES TYPE. [illegible]
- METAL HALIDE (MH) OR FLUORESCENT WALL MOUNTED FIXTURE, CAPITAL LETTER FROM FIXTURE SCHEDULE DENOTES TYPE
- EXIT SIGN/LIGHT, REFER TO FIXTURE SCHEDULE - FED FROM NEAREST LIGHTING CIRCUIT
- EMERGENCY BATTERY UNIT/FIXTURE, REFER TO FIXTURE SCHEDULE - FED FROM NEAREST LIGHTING CIRCUIT
- EMERGENCY REMOTE HEAD(S), REFER TO FIXTURE SCHEDULE
- MOTOR, ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT AND WIRING FROM PANELBOARD. COORDINATE CONNECTION WITH MECHANICAL CONTRACTOR.
- DISCONNECT SWITCH, TYPE AND SIZE AS INDICATED ON PLAN
- ASTRONOMICAL TIME CLOCK
- FIRE ALARM CONTROL PANEL [illegible] REFER TO SPECIFICATIONS
- FIRE ALARM SYSTEM ANNUNCIATOR
- PROVIDE MANUAL PULL STATION [illegible] AT 1200mm [illegible] AFF
- PROVIDE HORN/STROBE AT 2032mm (80") AFF
- [illegible] STROBE AT 2032mm (80") AFF
- HEAT DETECTOR RATE OF RISE, RATING INDICATED
- SMOKE DETECTOR
- BEAM SMOKE DETECTOR - T-TRANSMITTER, R-RECEIVER
- DUCT SMOKE DETECTOR, WIRED BY E.C.
- SECURITY CONTROL PANEL, INTRUSION DETECTION SYSTEM REFER TO SPECIFICATIONS
- SECURITY SYSTEM REMOTE KEYPAD
- PASSIVE INFRARED & MOTION DETECTOR. WALL MOUNTED [illegible] BELOW CEILING
- DOOR CONTACT, RECESSED
- DURESS SWITCH - REFER TO SPECIFICATIONS
- CONSOLE RACK MOUNTED PAGING/SOUND SYSTEM CONTROL EQUIPMENT
- CEILING RECESSED MOUNTED SPEAKER
- CEILING MOUNTED LOUDSPEAKER WITH ADJUSTABLE MOUNTING BRACKET (WEATHER RESISTANT)
- MICROPHONE JACK OUTLET WITH PLUG CONFIGURATION TO MATCH MICROPHONE - [illegible] - PROVIDE MICROPHONE FOR EACH LOCATION
- LOCAL VOLUME CONTROLLER - WALL MOUNTED [illegible] AFF
- CONSOLE RACK MOUNTED VIDEO EQUIPMENT [illegible]
- TIME LAPSE VIDEO RECORDER
- CCTV CAMERA DOME ENCLOSED - PROVIDE [illegible] EMPTY CONDUIT, COORDINATE WITH SUPPLIER. [illegible]

AFF	ABOVE FINISHED FLOOR	GFI	GROUND FAULT INTERRUPTING
E	EXISTING, [illegible]	LTG	LIGHTING
C	CONDUIT	WP	WEATHERPROOF
CKT	CIRCUIT	TYP	TYPICAL
RGS	RIGID GALVANIZED STEEL	NFPA	NATIONAL FIRE PROTECTION AGENCY

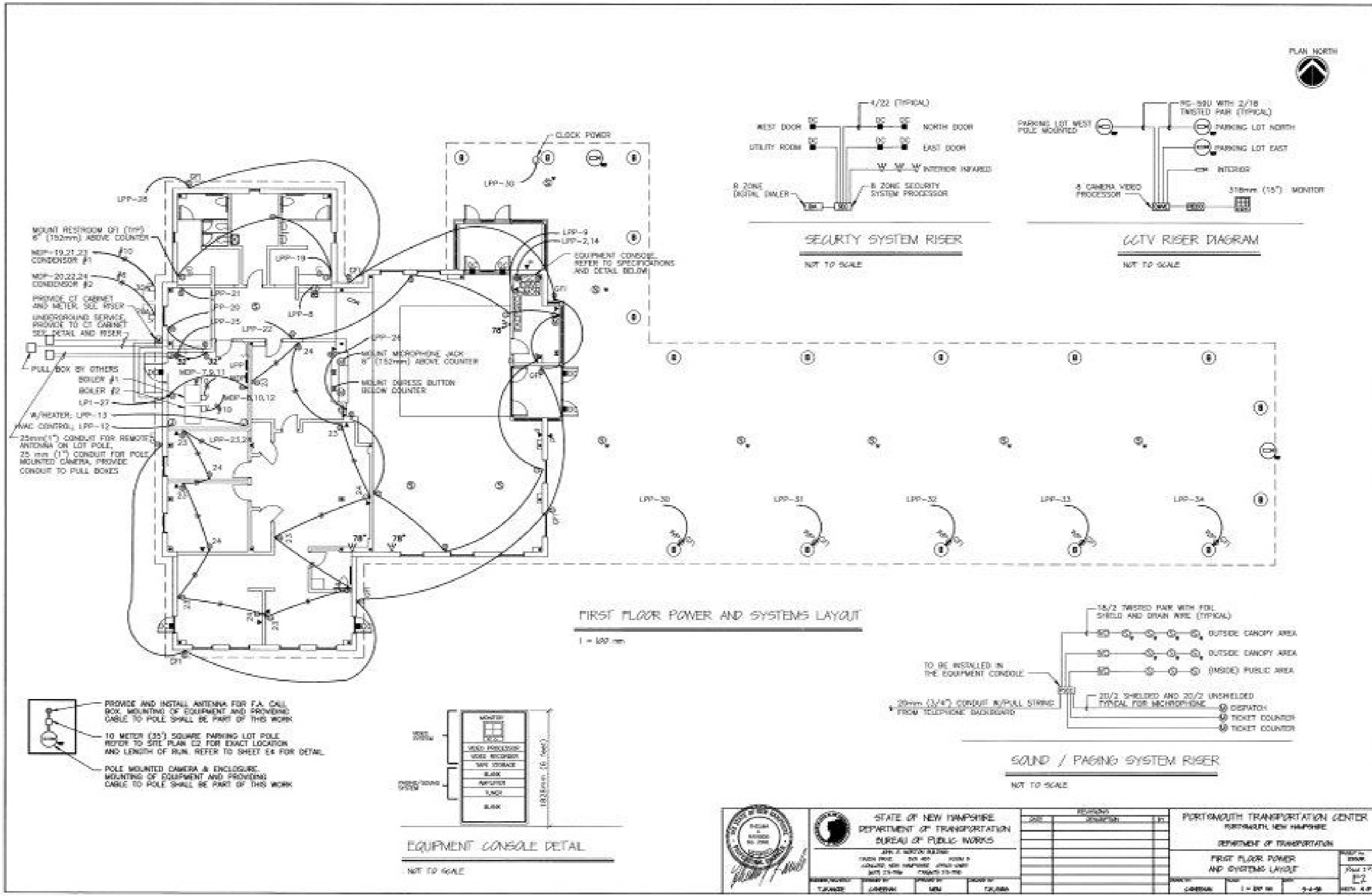
STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS
JOHN O. MORTON BUILDING [illegible]
CONCORD, NEW HAMPSHIRE [illegible]

DATE	REVISIONS DESCRIPTION	BY

PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

ELECTRICAL LEGEND, SCHEDULES AND DETAILS

ENGINEER/ARCHITECT	DESIGNED BY	APPROVED BY	CHECKED BY	DRAWN BY	SCALE	DATE	SHEET
T.J. [illegible]	D. [illegible]	[illegible]	[illegible]	[illegible]	AS NOTED	[illegible]	E1



FIRST FLOOR POWER AND SYSTEMS LAYOUT

1 = 600 mm

SECURITY SYSTEM RISER

NOT TO SCALE

CCTV RISER DIAGRAM

NOT TO SCALE

SOUND / PAGING SYSTEM RISER

NOT TO SCALE

EQUIPMENT CONSOLE DETAIL

NOT TO SCALE

EPLAN1.DWG 9-8-98 2:13:15 pm EST

TWO POLE MOUNTED FIXTURE - REFER TO SITE PLAN C1 FOR EXACT LOCATION

PLAN NORTH

(F.A.) RED STORE

PROVIDE (3) THREE TIPE "K" FIXTURES FOR SIGN LIGHTING. LOCATION TO BE DETERMINED IN FIELD.

MDP-25,27 VIA CONTACTOR

MDP-34,36 VIA CONTACTOR #10

MDP-30,32 VIA CONTACTOR #10

MDP-28,29 VIA CONTACTOR #10

SEMI FLUSH MOUNTED MASTER BOX

TO TOWER FIXTURES

TO TOWER FIXTURES

LPP-17

LPP-16

LPP-18

MDP-33,35 VIA CONTACTOR #10

LPP-15

MDP-20,21 VIA CONTACTOR #10

FIRST FLOOR LIGHTING AND FIRE ALARM LAYOUT

1 = 100' min

POLE MOUNTED FIXTURE - REFER TO SITE PLAN C1 FOR EXACT LOCATION

POLE MOUNTED FIXTURE - REFER TO SITE PLAN C1 FOR EXACT LOCATION

POWER BY MECH. CONTACTOR. DUCT DETECTOR WIRED BY EC

ATTIC

RED STORE

SECURITY PANEL

SNAP

MASTER BOX

POLE MOUNTED ANTENNA

FROM PANEL "MP"

FROM PANEL "MP"

TELEPHONE LINES TWO REQUIRED

FIRST FLOOR

FIRE ALARM RISER

EPLAN1.DWG 9-4-08 3:30:55 pm EST

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS

JOHN H. MORTON BUILDING
HOBBS ROAD DOVER, NEW HAMPSHIRE 03820-4
CONCORD: NEW HAMPSHIRE (603)-271-3344
(603) 22-1994 FAX(603) 22-3305

T.J. HANSON	JOHNSON	NEW	TJH/NEW

REVISIONS		
DATE	DESCRIPTION	BY

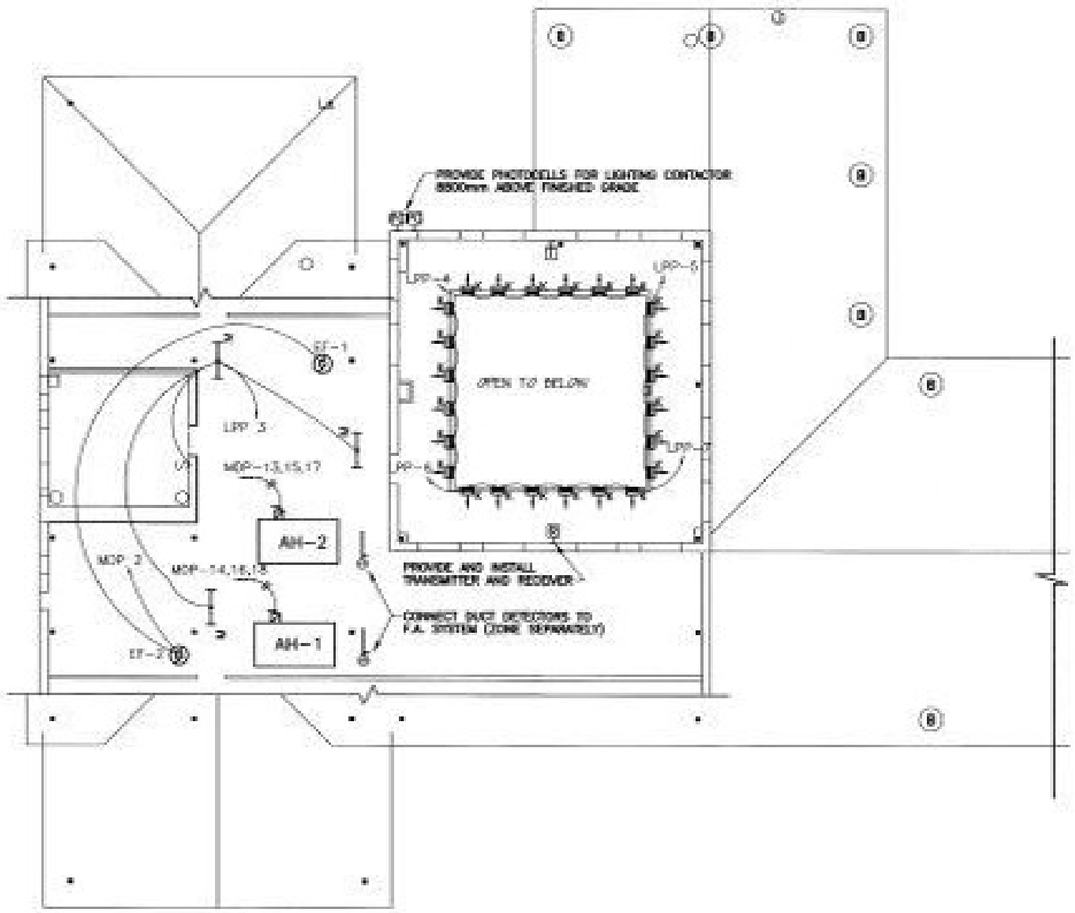
PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION

FIRST FLOOR LIGHTING AND FIRE ALARM SYSTEM LAYOUT

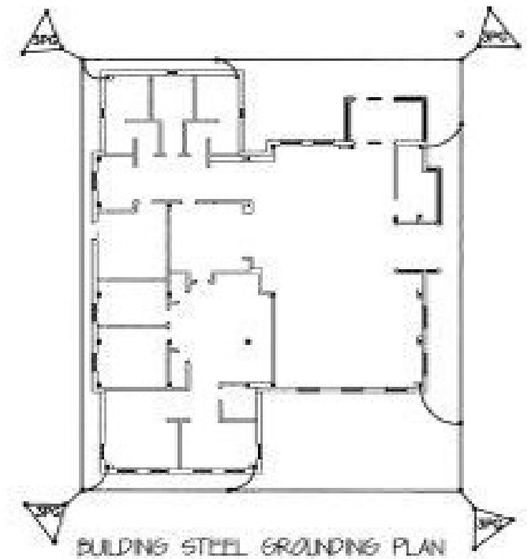
DOR	1 = 100' min	3-4-09	

PROJECT NO. 15648
PLAN NO. E3
SHEET 10 OF 10



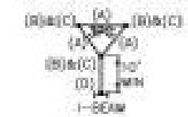
ATTIC POWER/LIGHTING LAYOUT

1 = 127 mm



BUILDING STEEL GROUNDING PLAN

NOT TO SCALE



(A) 4/0 AWG BARE STRANDED COPPER WIRE NOT LESS THAN 2.4 M (8')LONG.

(B) 20mm (3/4") DIAMETER COPPER OR COPPER CLAD ROD, 3 M (10') LONG, DRIVEN 765mm (30") BELOW GRADE.

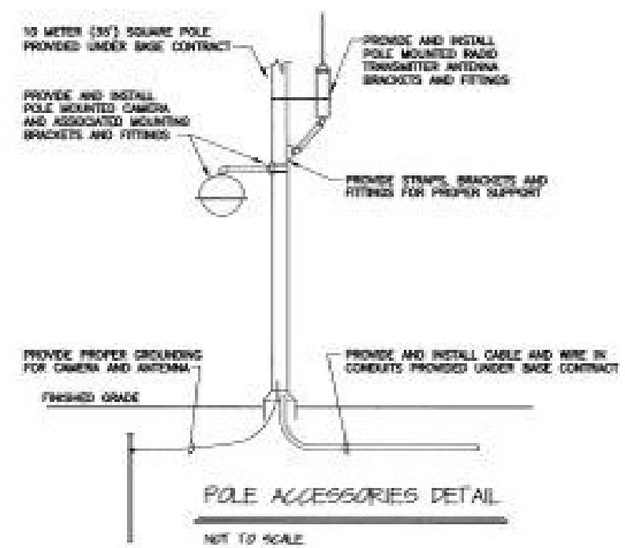
(C) ROD TO CABLE EXOTHERMIC CONNECTION.

(D) CABLE TO STEEL I-BEAM EXOTHERMIC WELD.

NOTE: PROVIDE AND INSTALL IN ACCORDANCE WITH LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.

3 POINT GROUNDING SYSTEM DETAIL

NOT TO SCALE



POLE ACCESSORIES DETAIL

NOT TO SCALE

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS

JOHN O. MORTON BUILDING
PAUL MAIL DRIVE EXT. PO BOX 483
CONCORD, NEW HAMPSHIRE 03302-0483
(603) 271-3344 FAX(603) 271-3914

DRAWN BY	CHECKED BY	APPROVED BY	DESIGN BY
T.WAGNER	J.GRETSKY	MEM	T.KLEMM

REVISIONS

DATE	DESCRIPTION	BY

PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE

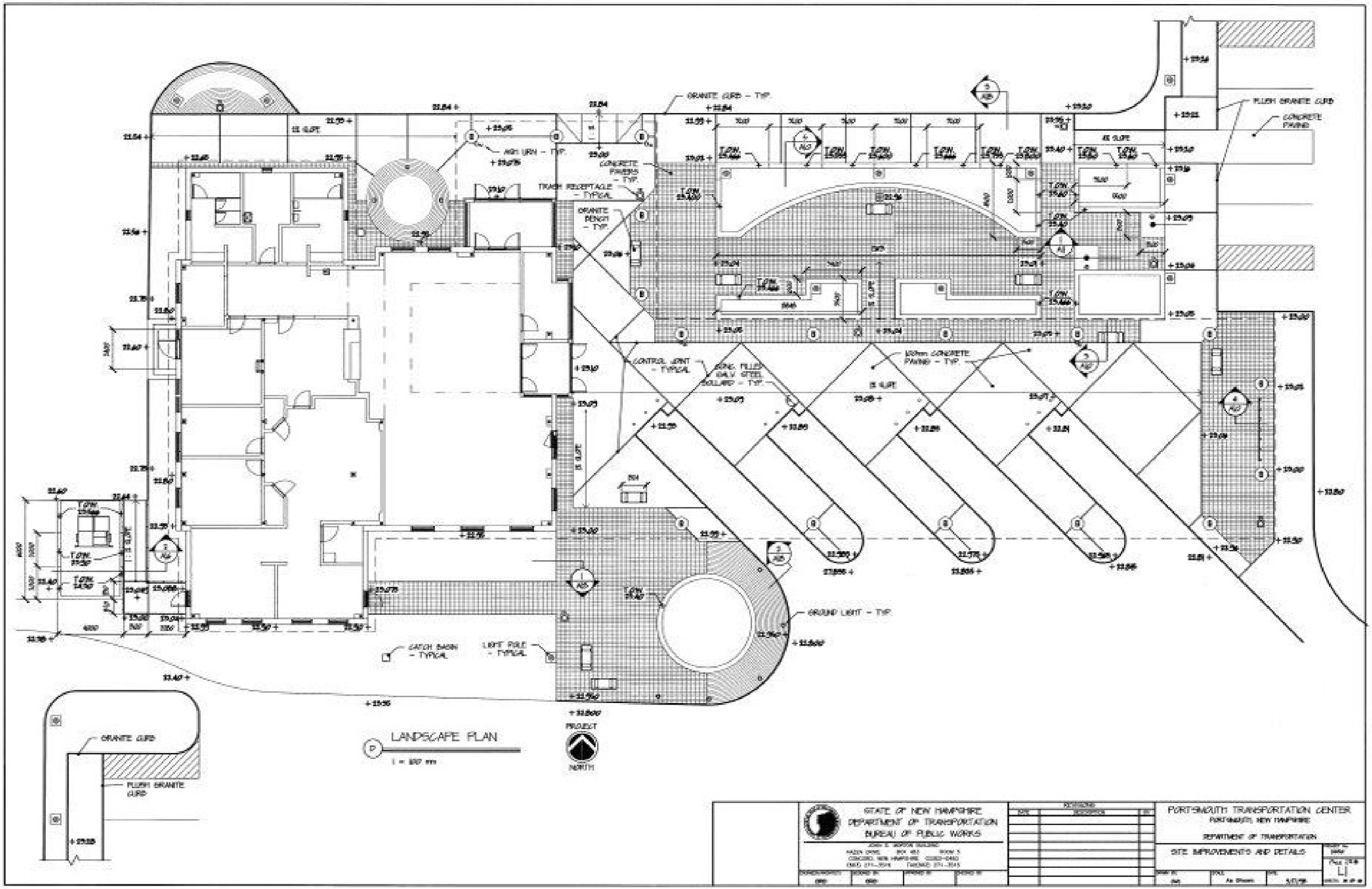
DEPARTMENT OF TRANSPORTATION

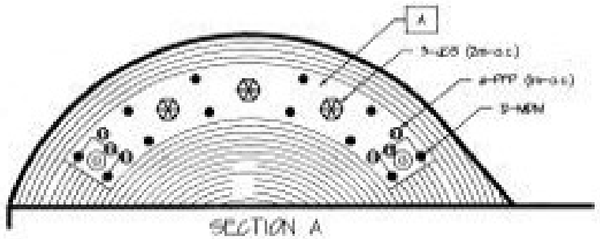
SECOND LEVEL / ATTIC POWER, LIGHTING AND MISC. DETAILS

DESIGNED BY	DRAWN BY	DATE
MAA	AD WATSON	3/4/08

PROJECT NO. 03906

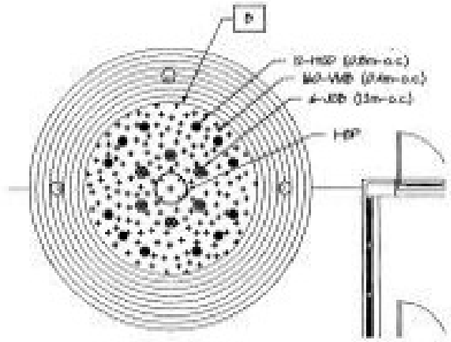
SHEET NO. E4


GRANITE CURB - TYP.
FLUSH GRANITE CURB
CONCRETE PAVING
ASH URN - TYP.
CONCRETE PAVING - TYP.
TRASH RECEPTACLE - TYPICAL
GRANITE BENCH - TYP.
CONTROL JOINT - TYPICAL
BOND FILLED GALV. STEEL BOLLARD - TYP.
150mm CONCRETE PAVING - TYP.
GROUND LIGHT - TYP.
CATCH BASIN - TYPICAL
LIGHT POLE - TYPICAL
PROJECT NORTH
LANDSCAPE PLAN
GRANITE CURB
FLUSH GRANITE CURB
STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS
PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
SITE IMPROVEMENTS AND DETAILS
L1



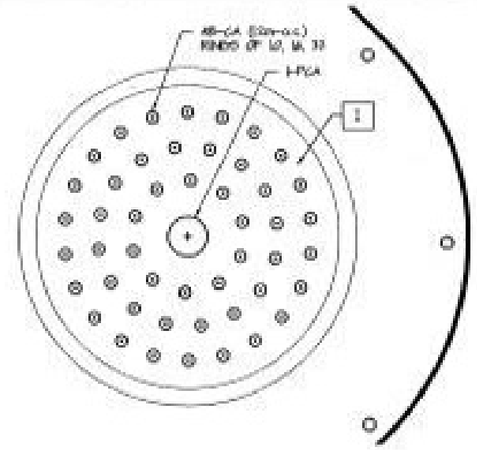
SECTION A

1 = 50 mm



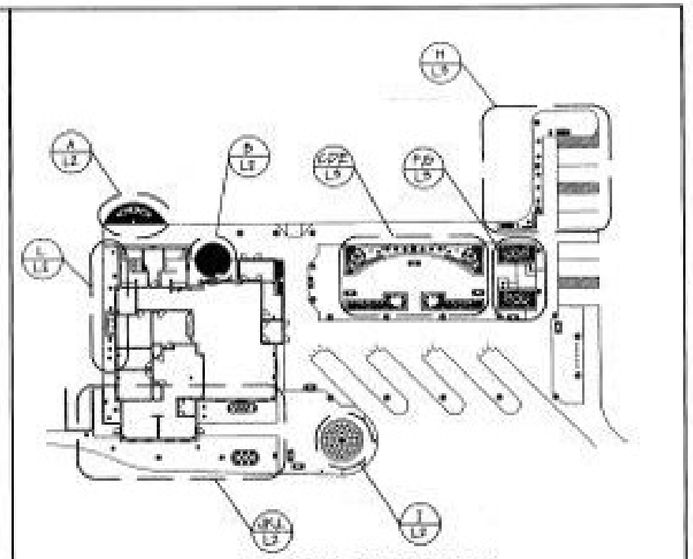
SECTION B

1 = 50 mm



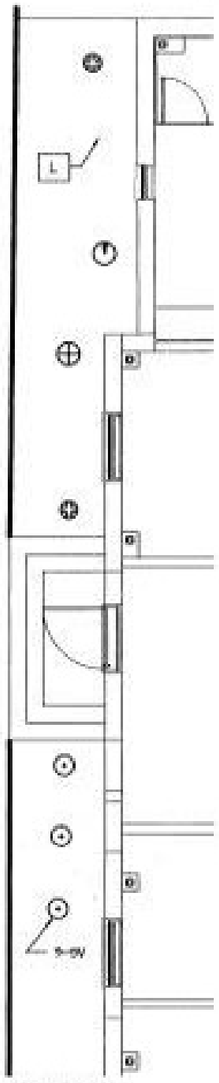
SECTION I

1 = 50 mm



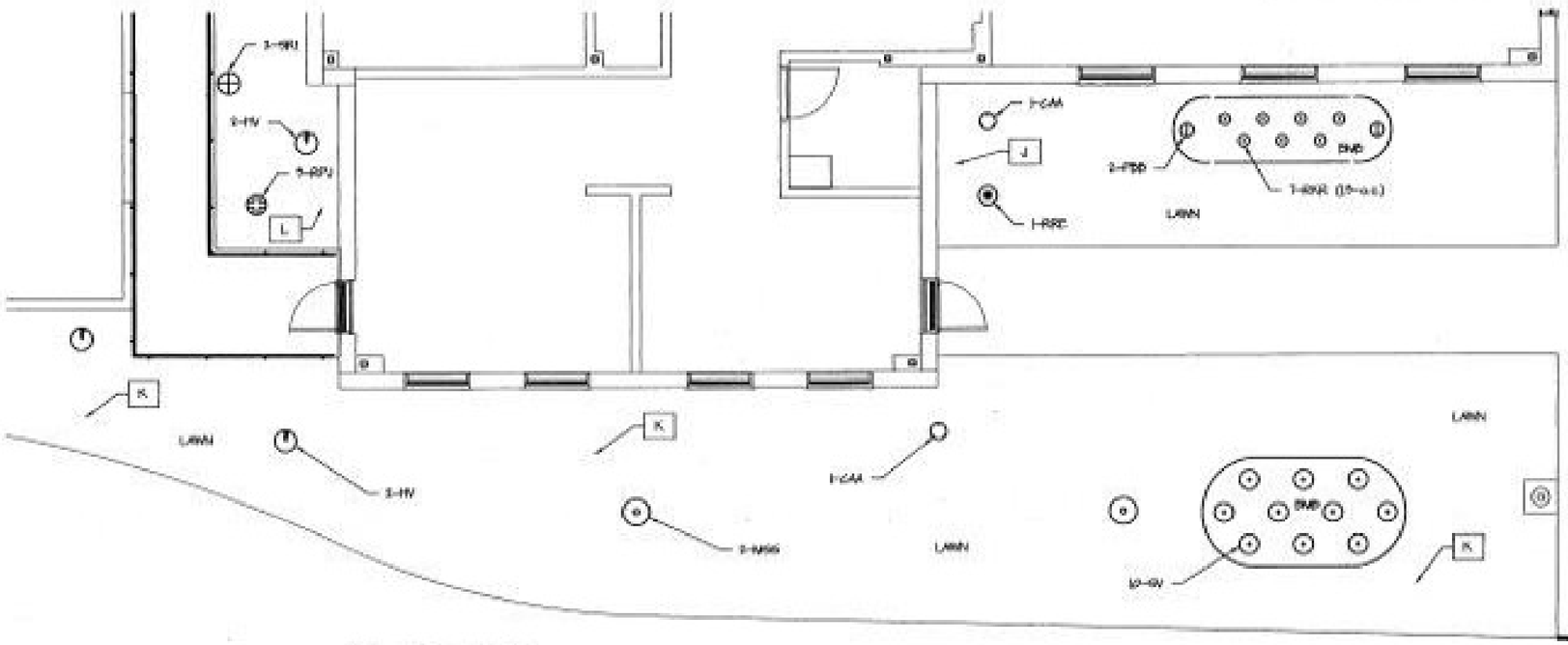
SECTION LOCATION PLAN

NOT TO SCALE



SECTION L

1 = 50 mm



SECTIONS J, K, & L

1 = 50 mm

Landscape Design By
James A. Low
Roadside Development
July 1998

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS

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PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE

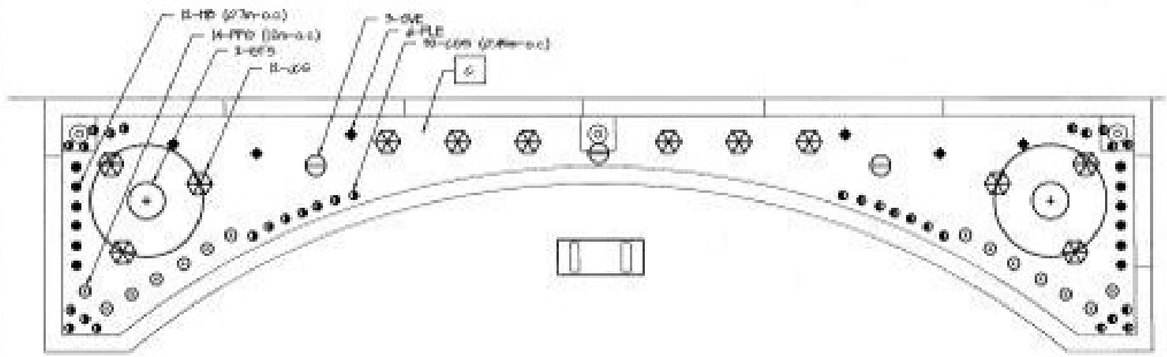
DEPARTMENT OF TRANSPORTATION

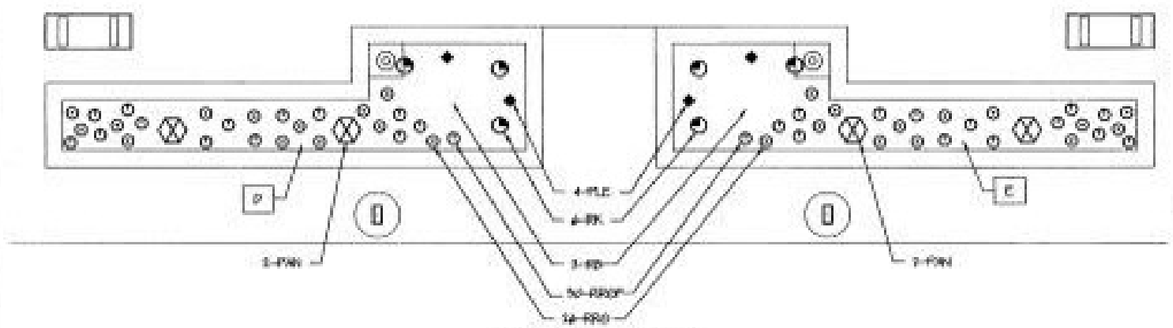
LANDSCAPING PLANTING SECTION PLAN
PLANTING SECTIONS A, B, I, J, K, L

PROJECT NO. 99RP

PLAN SHT. L.2

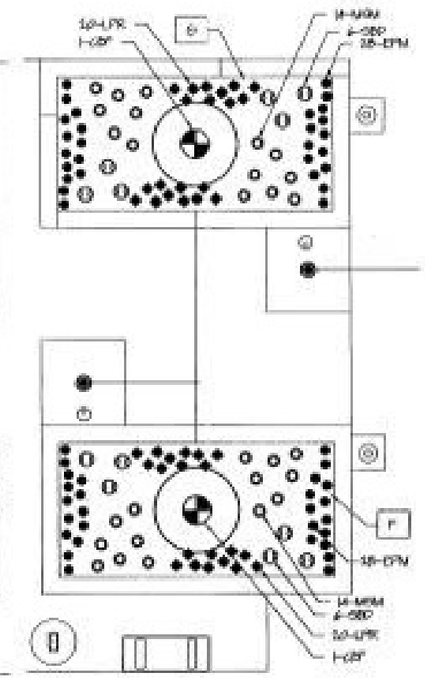
DWN. JAL SCALE As Shown DATE 5-21-98





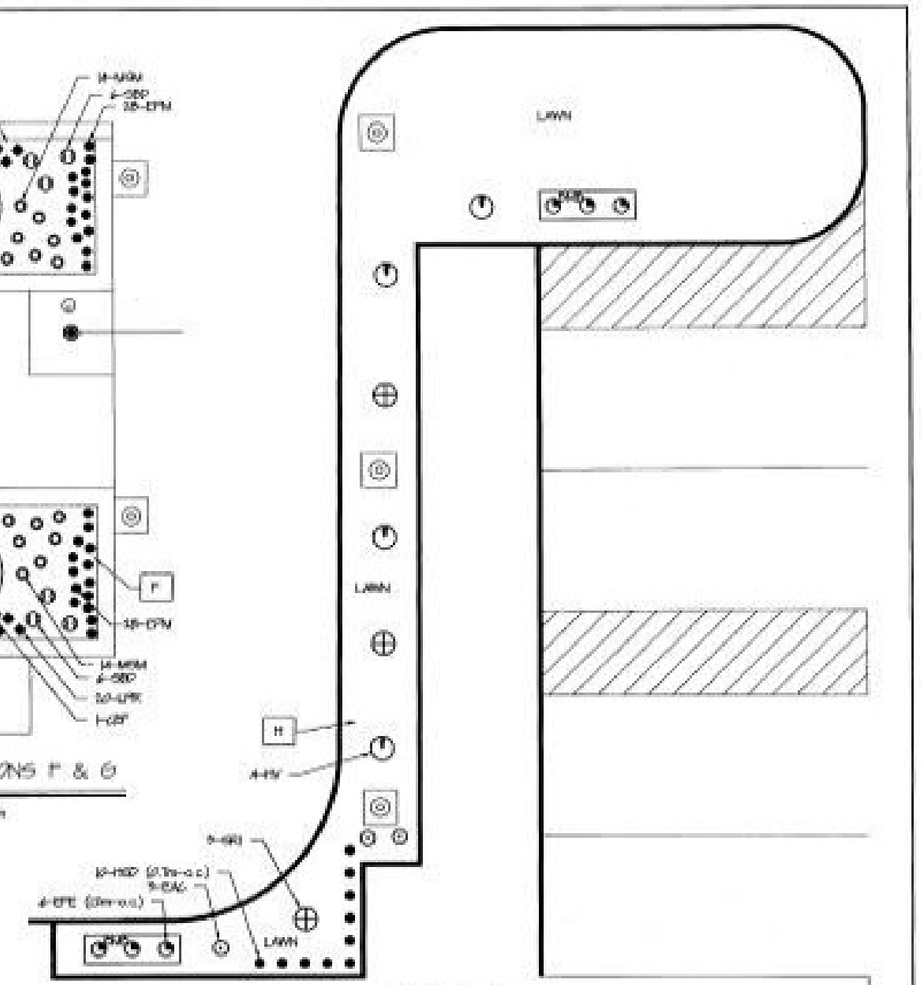
SECTIONS G, D & E

1 = 50 mm



SECTIONS F & G

1 = 50 mm



SECTION H

1 = 50 mm

PLANT SCHEDULE

KEY	BOTANICAL NAME	COMMON NAME	SIZE	TREATMENT	TYPE	TOTAL QUANTITY	(PLAN SECTION) QUANTITY
PAN	Picea Abies 'Nidiformis'	Birdnest Spruce	1.5 m Spread	B&B	ET	4	3(D), 3(E)
BP	Betula Papyrifera	Paper Birch	4.5 m Clump	B&B	LDT	1	1(K)
GTS	Gleditsia Triacanthos Inermis 'Shademaster'	Shademaster Honeylocust	110 mm Cal.	B&B	LDT	3	3(C)
CBF	Cephalotaxus Harringtonia 'Fastigiata'	Fastigiate Harrington Plumtaxus	90 mm Cal.	B&B	SDT	3	1(F), 1(G)
MSS	Malus 'Spring Snow'	Spring Snow Crabapple	70 mm Cal.	B&B	SDT	2	2(K)
PCA	Pyrus Calleryana 'Aristocrat'	Aristocrat Pear	100 mm Cal.	B&B	SDT	1	1(J)
SRI	Syringa Reticulata 'Ivory Silk'	Ivory Silk Japanese Lilac	55 mm Cal.	B&B	SDT	5	1(H), 3(J)
JCG	Juniperus Chinensis 'Sea Green'	Sea Green Juniper	5.7 m Spread	B&B	ES	15	1(A), 1(B), 1(C)
JSB	Juniperus Squamata 'Blue Star'	Blue Star Juniper	0.4 m Spread	C/G	ES	6	6(B)
PBB	Pinus x 'Brownii's Beauty'	Brownii's Beauty Andromeda	0.6 m	C/G	ES	2	2(J)
RB	Rhododendron 'Boule de Neige'	Boule de Neige Rhododendron	1.5 m Spread	B&B	ES	5	1(D), 1(E),
RK	Rhododendron 'Karen'	Karen Azalea (Pink)	0.4 m Spread	C/G	ES	6	1(D), 3(E)
RPJ	Rhododendron 'P.J.M'	P.J.M Rhododendron	0.7 m	B&B	ES	3	3(L)
RKE	Rhododendron 'Roseum Elegans'	Roseum Elegans Rhododendron	1.0 m	B&B	ES	1	1(J)
CAA	Cornus Alba 'Argenteo-Marginata'	Variegated Dogwood	1.5 m	B&B	DS	2	1(J), 1(K)
CA	Cotoneaster Apiculata	Cranberry Cotoneaster	0.5 m Spread	C/G	DS	48	48(G)
EAC	Euonymus Alatus Compacta	Dwarf Winged Euonymus	0.7 m	B&B	DS	3	3(H)
EFE	Euonymus Fortunei 'Emerald Gold'	Emerald Gold Euonymus	0.6 m	C/G	DS	6	6(H)
HV	Hemerocallis Varnalis	Kwanso White-Lined	1.0 m	B&B	DS	9	4(B), 2(K), 3(L)
PFS	Pennisetum Fountainense 'Gold Drop'	Gold Drop Cleopatra	0.6 m	C/G	DS	14	14(C)
PFP	Pennisetum Fountainense 'Pink Whisper'	Pink Whisper Cleopatra	0.6 m	C/G	DS	6	6(K)
RKR	Rhododendron 'Knaphill Red'	Knaphill Red Azalea	0.6 m	C/G	DS	7	7(J)
RRG	Rosa Rugosa Groundcover	Groundcover Pink Rugosa Rose	0.3 m	C/G	DS	36	13(D), 13(E),
RRGF	Rosa Rugosa Groundcover F.J.	F.J. Groundcover Red Rugosa Rose	0.3 m	C/G	DS	36	15(D), 15(E),
SDD	Spiraea x Bumalda 'Dart's Red'	Dart's Red Spirea	0.5 m	C/G	DS	13	6(F), 6(G),
SV	Syringa Vulgaris	Common Purple Lilac	1.3 m	B&B	DT	13	10(A), 3(L)
SVW	Syringa Vulgaris 'Ellen Willmott'	Ellen Willmott Lilac	1.3 m	B&B	DS	3	3(C)
VMD	Vinca Minor 'Bowles'	Bowles Periwinkle	100 mm	P.L.	GC	169	169(B)
CGS	Campanula Glomerata 'Superba'	Clustered Bellflower (Violet)	-	C/G	HP	33	33(C)
EPM	Echinacea Purpurea 'Magnus'	Magnus Purple Coneflower	-	C/G	HP	66	33(D), 33(G)
HB	Hemerocallis 'Bonanza'	Bonanza Daylily (Orange)	-	C/G	HP	13	13(C)
HSO	Hemerocallis 'Stella Oro'	Stella Oro Daylily	-	C/G	HP	33	13(D), 10(H),
LPR	Lupinus Polyphyllus 'Russell Blue'	Russell Blue Lupine	-	C/G	HP	46	23(F), 23(G)
MDM	Monarda Didyma 'Marshall's Delight'	Marshalls Delight Bee Balm	-	C/G	HP	13	13(A)
PLE	Penstemon Laevigatus 'Edwin Superba'	Edwin Superba Penny (Rose Pink)	-	C/G	HP	16	6(C), 3(D), 3(E)
MSM	Miscanthus Sinensis 'Morning Light'	Morning Light Maiden Grass	-	C/G	OG	28	14(F), 14(G)

NOTES:

1. Abbreviations — (Treatment) B&B = Balled and Burlapped, C/G = Container Grown
(Minimum size—(A liter), PL=Plug (size 75 mm minimum)
(Type) ET=Evergreen Trees, LDT=Large Deciduous Trees, ES=Evergreen
Shrubs, DS=Deciduous Shrubs, GC=Ground Cover, HP=Herbaceous
Perennials, OG=Ornamental Grasses
(Mulch) BMD=Bark Mulch Bed
2. All plant materials shall meet AAN (American Association of Nurserymen) Standards.
3. Section 650—Planting — General of the NHDOT Standard Specifications for Road and Bridge construction and the planting details (typicals) shall apply to the planting.
4. Each planting section (A thru L) has specific symbols for the keyed plants. The approximate spacing 'on center' is shown in parentheses (___o.c.) after the plant quantity and key.
5. Mulch for herbaceous ground covers, herbaceous perennials, and grasses shall be of aged sawdust (At years old). Sawdust mulch shall be applied at a uniform depth of 25 mm throughout these areas extending to 200m beyond the herbaceous plants in all directions. Section B shall be mulched with sawdust.
6. In Sections A, C, D, E, F, and G the remaining portions beyond the applied sawdust locations shall be covered with bark mulch at a uniform depth of 100 mm. Section T shall be mulch with bark. Sections H, J, K, L include lawn—bark mulch to be confined to plant pit areas and to areas outlined as BMB.

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PORTSMOUTH, NEW HAMPSHIRE

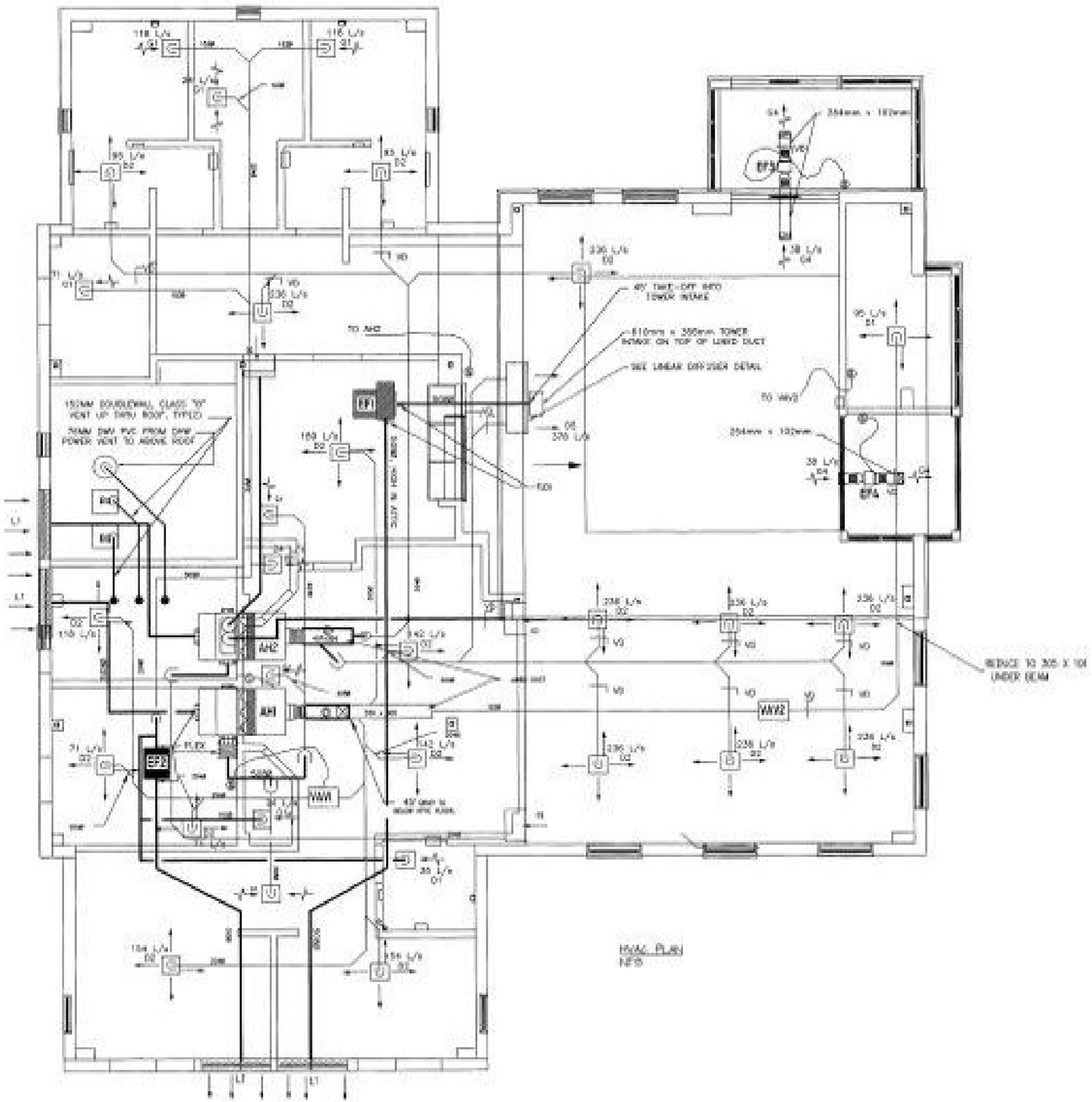
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANTING SECTION PLANS
G, D, E, F, G, H AND PLANT SCHEDULE

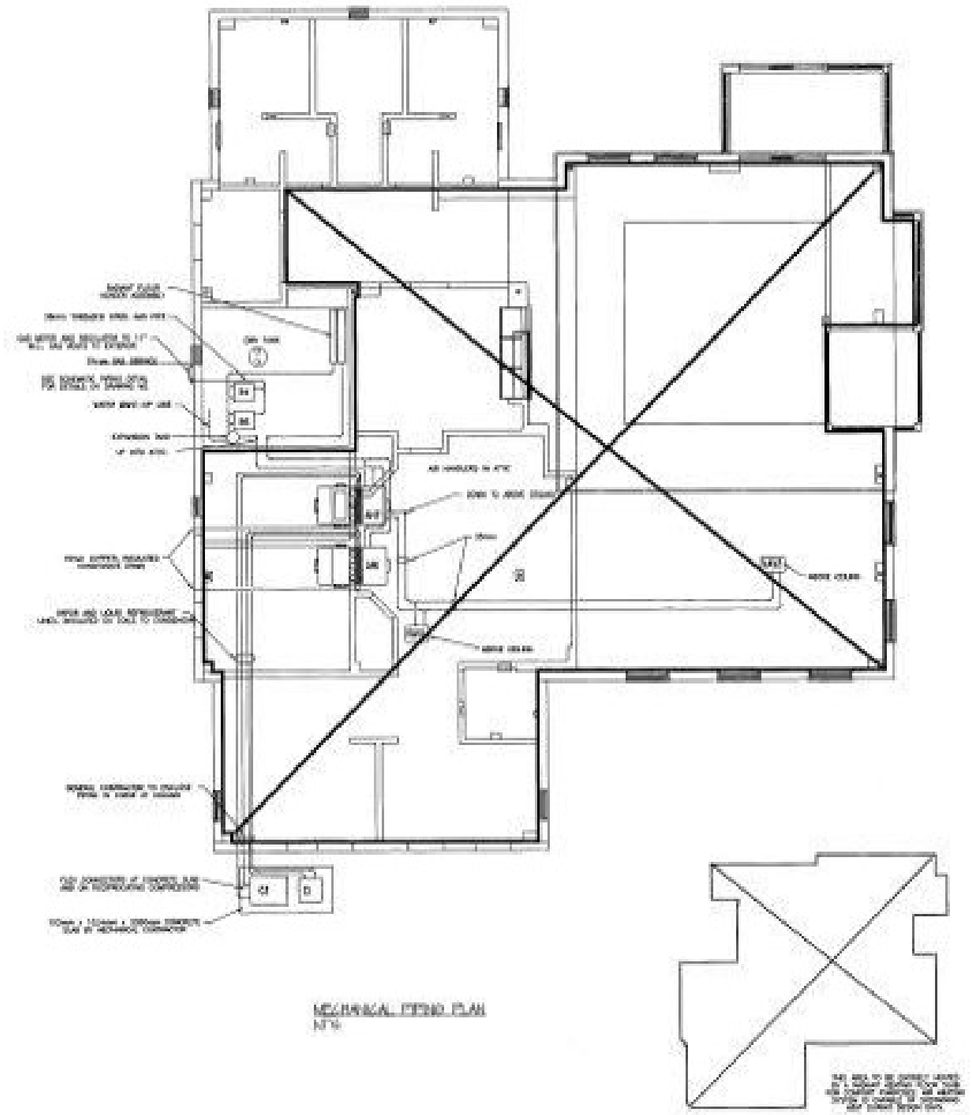
PROJECT NO. 10244

Plan No. L7

DRAWN BY: JMB | SCALE: As Shown | DATE: 9-27-98



HVAC PLAN
NTS



MECHANICAL PIPING PLAN
NTS

LEGEND:

- DUCTWORK LOCATED WITHIN ATTIC SPACE
- DUCTWORK ABOVE CEILING OF 1ST FLOOR
- DUCT DETECTOR - SPARE UNIT SIZES IN FOLLOWS/TERS, AIR QUALITY IN LITERS/SECOND
- TEMPERATURE SENSOR

STATE OF NEW HAMPSHIRE
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JOHN J. MORTON BUILDING
HAZEN DRIVE BOX 483 ROOM 4
CONCORD, NEW HAMPSHIRE 03302-0483
(603) 271-1484 FAX(603) 271-1689

DRAWN BY	DESIGNED BY	APPROVED BY	CHECKED BY
DSL	DSL	DSL	DSL

REVISIONS

DATE	DESCRIPTION	BY

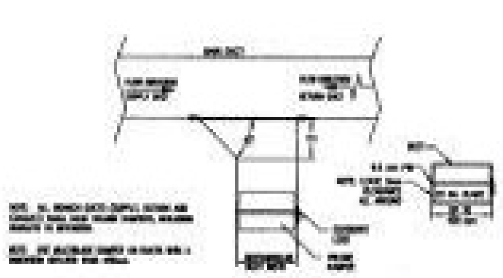
PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION

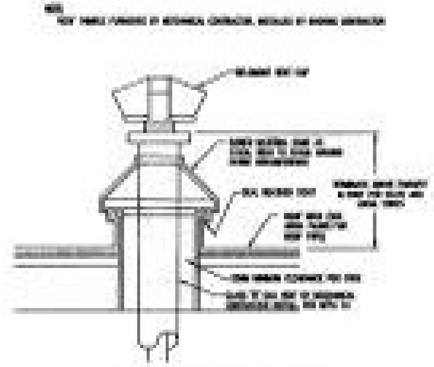
HEATING, VENTILATION AND AIR CONDITIONING

DRAWN BY	SCALE	DATE
RLW	AS SHOWN	8/22/98

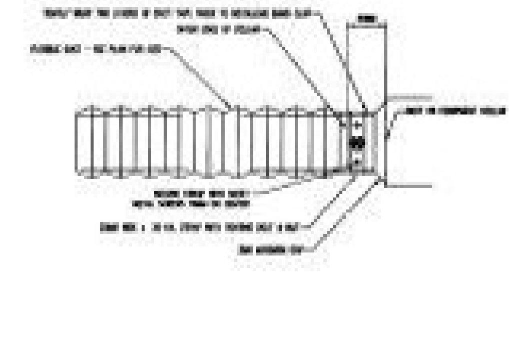
PROJECT NO. 6080
Plan 231
M1
SHEET 16 OF 16



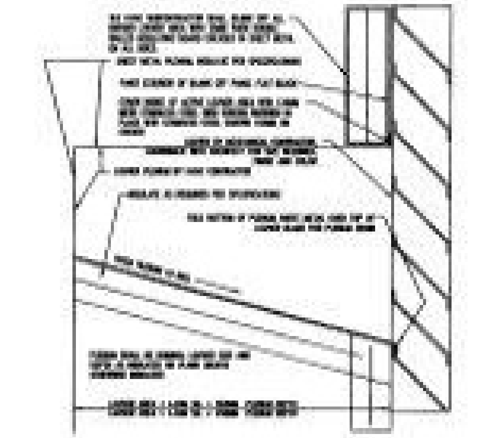
TYPICAL RECTANGULAR BRANCH DUCT TAKE-OFF



FLUE GAS EXHAUST VENT DETAIL



FLEXIBLE DUCT CONNECTION DETAIL



TYPICAL LOUVER/PLENUM DETAIL

I.D. #	MANUFACTURER & MODEL & SPECIFICATION	MANUFACTURERS RATING (ENGLISH)	METRIC EQUIVALENT
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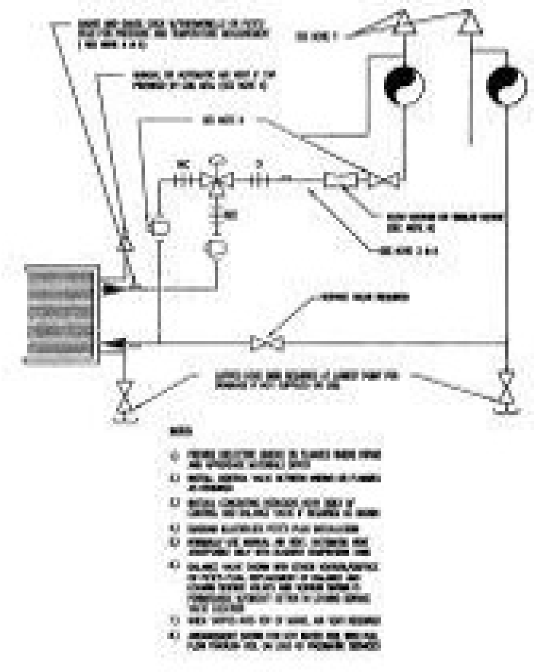
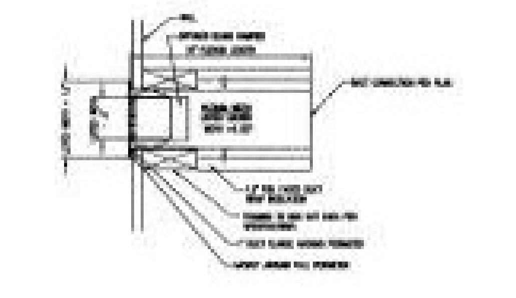
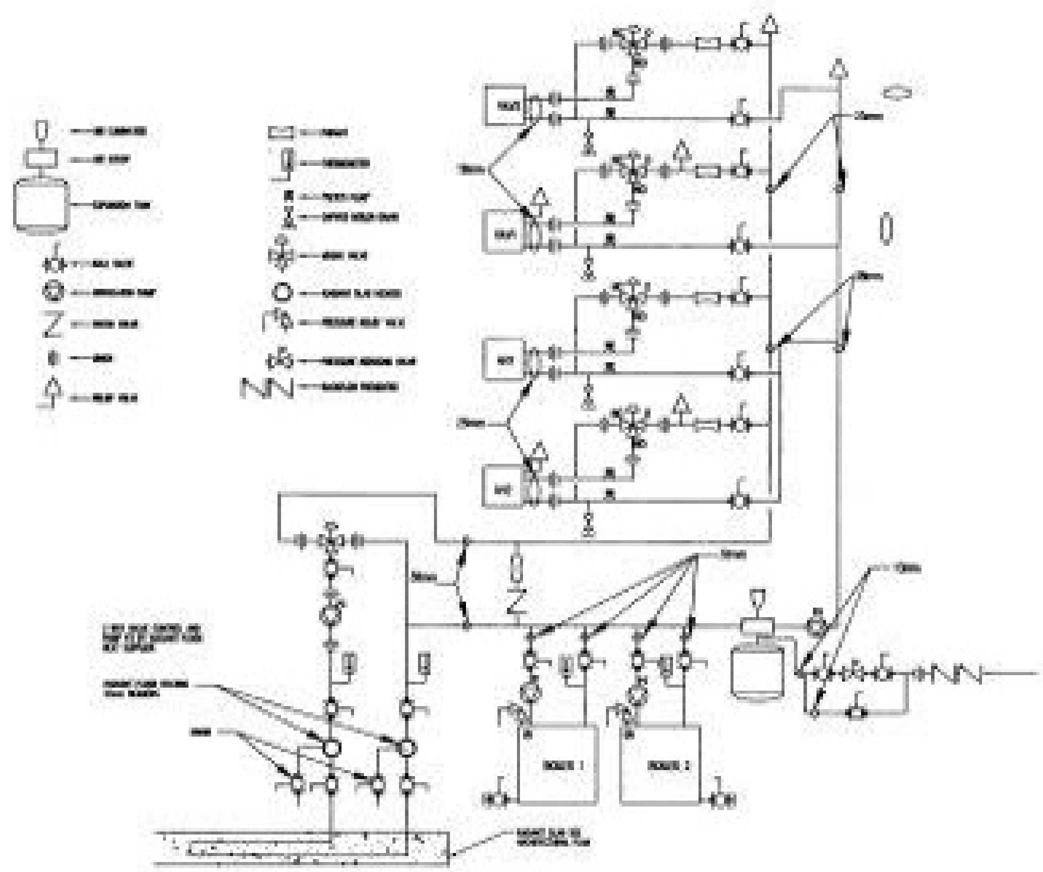


HYDRONIC PIPING FOR SINGLE COIL WITH 3-WAY VALVE



TYPICAL SIDEWALL LINEAR DIFFUSER DETAIL



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JOHN O. MORTON BUILDING
HAZEN DRIVE
CONCORD, NEW HAMPSHIRE

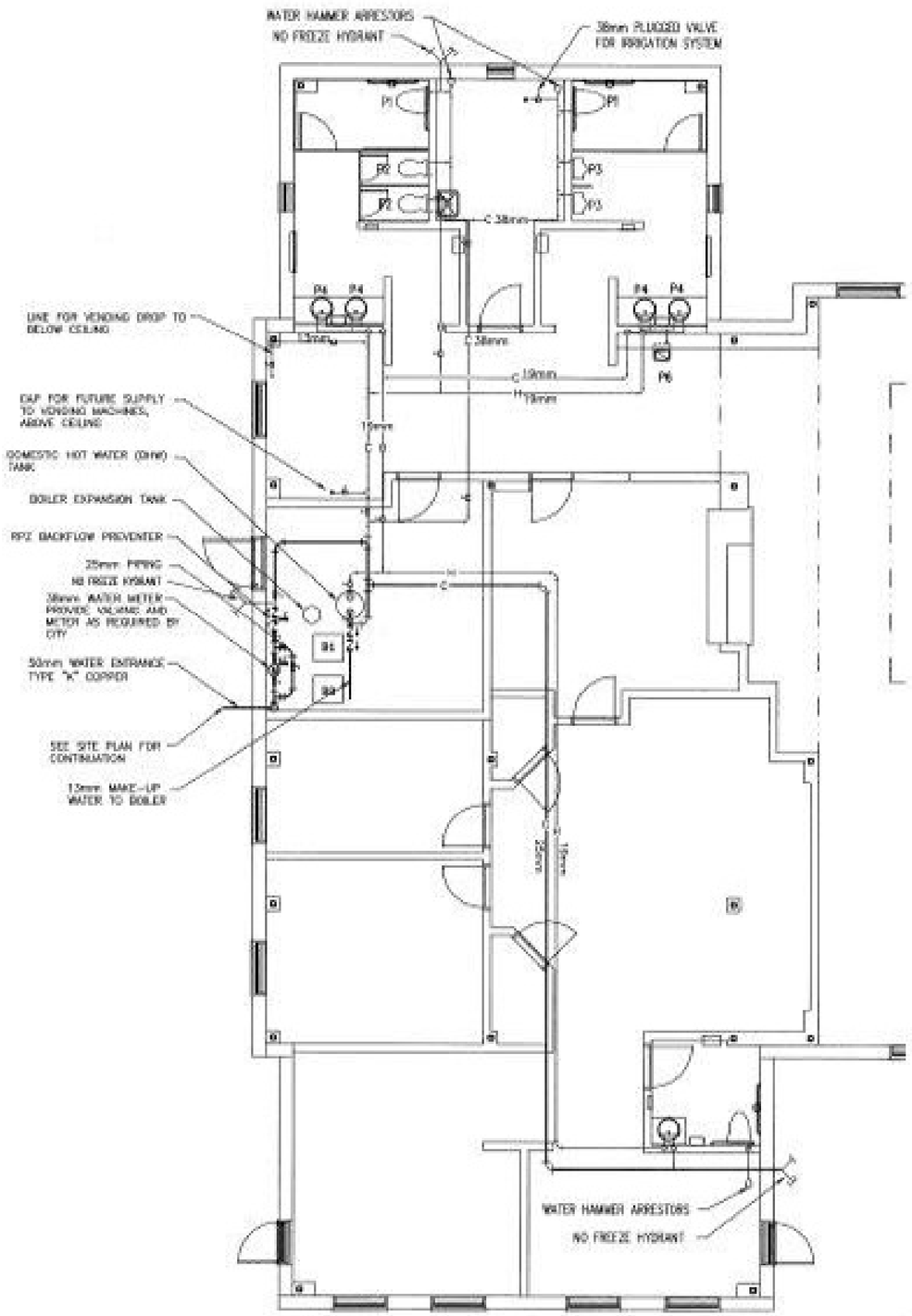
DATE	REVISIONS DESCRIPTION	BY

PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION

MECHANICAL DETAILS
AND SCHEDULES

DRAWN BY	SCALE	DATE	
RJV	AS SHOWN	8-17-99	M2



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JOHN J. MORTON BUILDING
HAZEN DRIVE BOX 483 ROOM 8
CONCORD, NEW HAMPSHIRE 03302-0483
(603) 271-3344 FAX(603) 271-3345

MANAGER/PROJECT	DESIGNED BY	APPROVED BY	CHECKED BY
DGL	DGL	DGL	DGL

REVISIONS

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PORTSMOUTH, NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION

PLUMBING PLAN

PROJECT NO. 19840

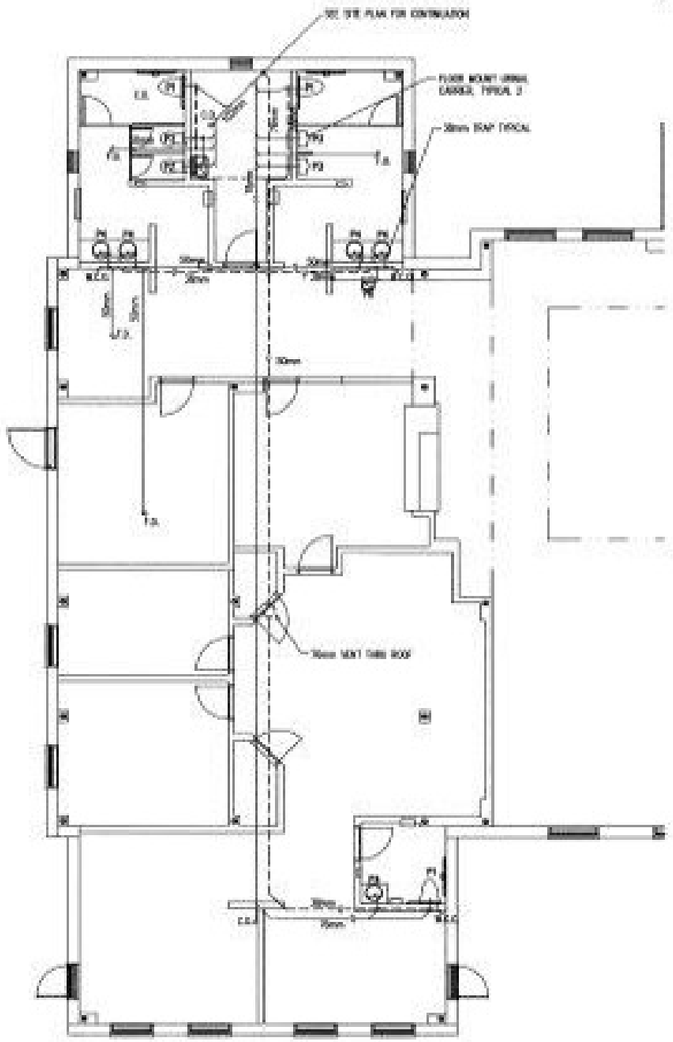
SCALE 2:1

P1

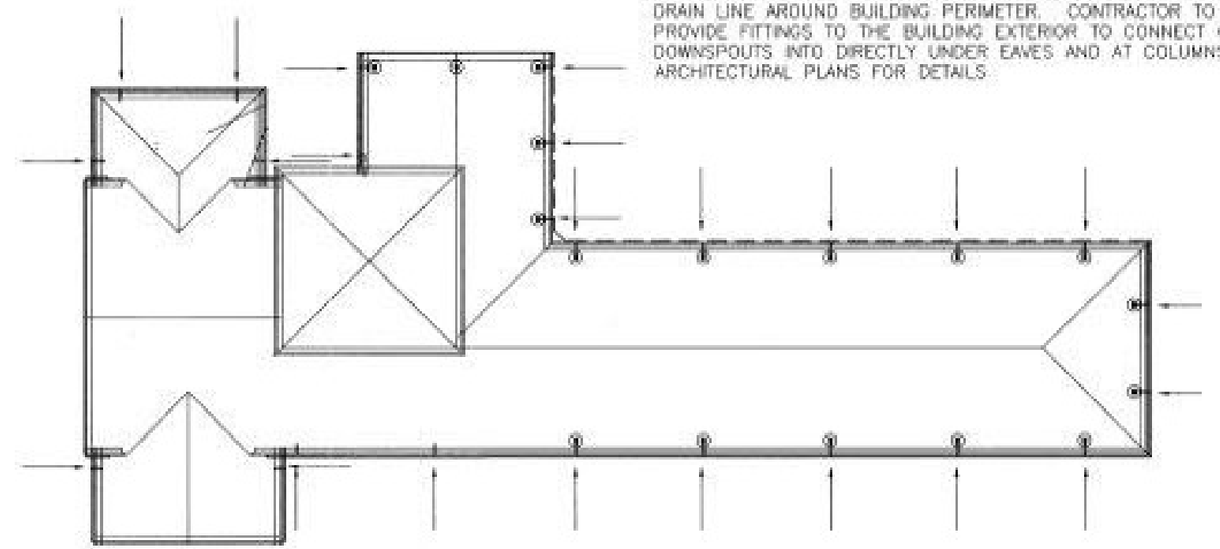
SHEET 18 OF 48

- - - - V - - - - VENT PIPING - CAST IRON
- - - - S - - - - SEWER PIPING - CAST IRON

FD - FLOOR DRAIN, WITH TRAP AND CLEANOUT, ZURN #Z19-415
CO - CLEAN OUT
WCO - WALL CLEAN OUT
P1 - HANDICAP TOILET, AMERICAN STANDARD, MADERA, 16 1/8" #2005.100
P2 - TOILET, AMERICAN STANDARD, MADERA 1.1 G.P.F. #2034.013
P3 - URINAL, AMERICAN STANDARD, LYNBROOK, WALL HUNG, 17" RIM HEIGHT
P4 - COUNTERTOP LAVATORY, AMERICAN STANDARD, RONDALIN, MODEL 0476.028
P5 - SERVICE SINK, AMERICAN STANDARD, MINOR, MODEL 7591.010
P6 - WATER COOLER, HALSEY TAYLOR BARRIER FREE, MODEL EVL-8



NOTE: MECHANICAL CONTRACTOR TO INSTALL VERTICAL SECTION OF 76mm CAST IRON PIPE AND FITTING TO CONNECT TO STORM DRAIN LINE AROUND BUILDING PERIMETER. CONTRACTOR TO PROVIDE FITTINGS TO THE BUILDING EXTERIOR TO CONNECT GUTTER DOWNSPOUTS INTO DIRECTLY UNDER EAVES AND AT COLUMNS. SEE ARCHITECTURAL PLANS FOR DETAILS



GUTTER DRAIN LOCATIONS
NTS

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JOHN O. MORTON BUILDING
PO BOX 483 ROOM 1
CONCORD, NEW HAMPSHIRE 03302-0483
(603) 271-1648 FAX(603) 271-3914

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PBL	PBL	PBL	PBL

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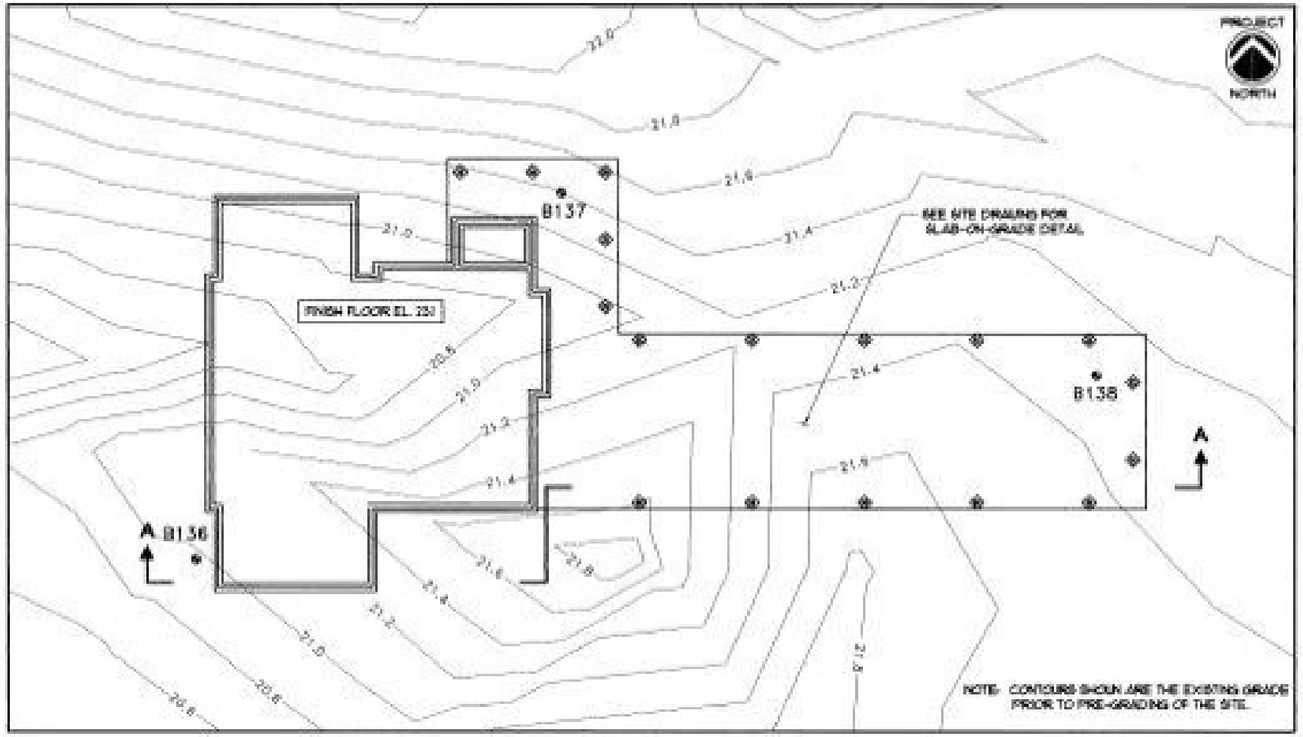
PLUMBING PLAN

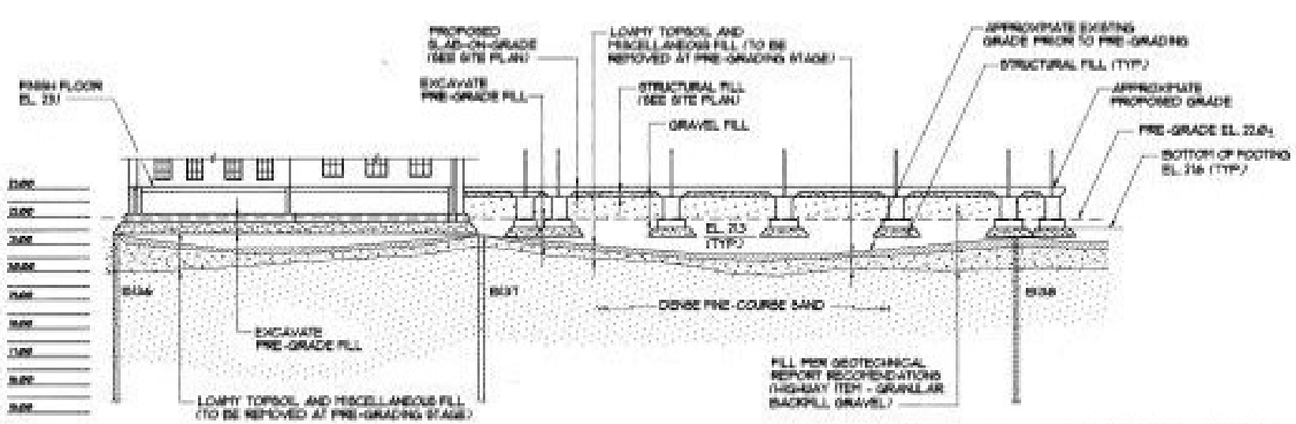
SCALE	DATE
AS SHOWN	8-22-06

PROJECT NO. 5999
Page 17F
P2



PLAN

NOT TO SCALE



NOTE: SEE THE PROJECT SPECIFICATION FOR FILL MATERIALS AND PLACEMENT.

SECTION

NOT TO SCALE

GENERAL NOTES:

1. REFER TO THE PROJECT SPECIFICATION FOR DETAILED REQUIREMENTS FOR MATERIALS AND WORKMANSHIP.
2. SPECIFICATIONS AND DESIGN GUIDES:
   A. THE BOCA NATIONAL BUILDING CODE/ 1996.
   B. ACI MANUAL OF CONCRETE PRACTICE.
   C. THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY NATIONAL FOREST ASSOCIATION.
   D. MANUAL OF STEEL CONSTRUCTION BY AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
3. ROOF TRUSS SHOWN ON THIS DRAWING IS SCHEMATIC IN NATURE AND IS ONLY INTENDED FOR MINIMUM REQUIREMENTS. THE STRUCTURAL SYSTEM SHALL BE STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN NEW HAMPSHIRE.
4. ALL DIMENSIONS SHOWN ARE IN MILLIMETERS, UNLESS NOTED OTHERWISE.

MATERIALS: ( ) INDICATES ENGLISH DESIGNATION.

1. STRUCTURAL FILLS: ALL FILL MATERIAL SUPPORTING SLABS AND FOOTINGS SHALL BE STRUCTURAL FILL AND SHALL BE SUBJECT TO THE REVIEW OF THE ARCHITECT/ENGINEER. QUALIFIED MATERIALS SHALL NOT CHANGE IN SOURCES UNLESS RE-QUALIFIED. NO ON-SITE MATERIAL SHALL BE USED WITHOUT PRIOR REVIEW AND APPROVAL OF THE ARCHITECT/ENGINEER.
2. CONCRETE: ULTIMATE COMPRESSIVE STRENGTH = 28MPa (3600 PSI) AT 28 DAYS.
3. REINFORCING STEEL: REINFORCING BARS = ASTM A 615, GRADE 420 (A615, GRADE 60).
4. FIBER REINFORCEMENT: MICROFIBER BY GRACE CONSTRUCTION OR EQUAL.
5. STRUCTURAL STEEL: STRUCTURAL SHAPES = ASTM A 6M, GRADE 350 (A36)
   CONNECTION BOLTS = ASTM A 325M (A325)
   ANCHOR BOLTS = ASTM A 307M (A307)
6. LIGHT GAUGE METAL : STUD & JOIST : 18 GAUGE, 1143 MPa (6 KU)
   ASTM A653 (GRADE 33) UNLESS NOTED OTHERWISE.
7. ROOF TRUSSES : THE TRUSS VENDOR SHALL PROVIDE TRUSS MEMBER AND CONNECTION DESIGNS, AND FABRICATION AND ERECTION DRAWINGS. THE DESIGN SHALL BE SEALED BY A REGISTERED ENGINEER LICENSED TO PRACTICE IN NEW HAMPSHIRE.

DESIGN LIVE LOADS:

1. SNOW: 1436 Pa (34 PSF) + HIGHER ROOF
   1436 Pa (34 PSF) PLUS DRIFTING AND SLIDING SNOW + LOWER ROOF
   GROUND SNOW LOAD = 2400 Pa (50 PSF)
2. WIND: 862 Pa (18 PSF) TO 1250 Pa (26 PSF) + 85 MPH
3. FLOOR LIVE LOAD: TYPICAL OFFICE = 2400 Pa (50 PSF)
   FILE AND COMPUTER ROOM = 4790 Pa (100 PSF)
   WAITING ROOM = 4790 Pa (100 PSF)
   BUS DEPOT AREA = 2400 Pa (50 PSF) AND 16000 N (36000 LB)
   ATTIC = 2400 Pa (50 PSF)

FOUNDATIONS:

1. EXCAVATION AND FOOTINGS: EXCAVATE TO THE LIMITS SHOWN IN THE DRAWINGS. ANY ADJUSTMENT OF ELEVATIONS OF FOOTINGS DUE TO FIELD CONDITION MUST HAVE THE EXPRESSED APPROVAL OF THE ENGINEER. DO NOT PLACE FOOTINGS ON FROZEN GROUND OR WHEN WATER IS PRESENT IN THE EXCAVATION.
   DESIGN BEARING PRESSURE = 150 KPa (2 TSF)
2. BACKFILLS: BACKFILL THE EXCAVATION WITH APPROVED GRANULAR MATERIAL PLACED IN 300 mm (12 INCH) LAYERS AND COMPACTED TO THE SPECIFIED DENSITY.
3. FROST COVER: FOOTINGS FOR ALL EXTERIOR WALLS SHALL BE PLACED A MINIMUM OF 1.4 m (4'-6") BELOW THE FINISHED GRADE.

TEMPORARY SUPPORT & SHORING :

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH ALL APPLICABLE SAFTETY REQUIREMENTS DURING CONSTRUCTION.
2. ROOF TRUSSES SHALL BE ERECTED ACCORDING TO THE TRUSS MANUFACTURERS RECOMMENDATION. PROVIDE LATERAL BRACINGS AND DIAGONAL (CROSS) BRACINGS AT WEBS AND TOP AND BOTTOM CHORDS. PLACE GROUND BRACING ASSEMBLY AT EACH TOP CHORD LATERAL BRACING LOCATION.

Hayashi Corporation
Consulting Engineers

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS

REVISIONS
DATE | DESCRIPTION | BY

PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE
BUREAU OF PUBLIC WORKS

SITE PLAN & SECTION

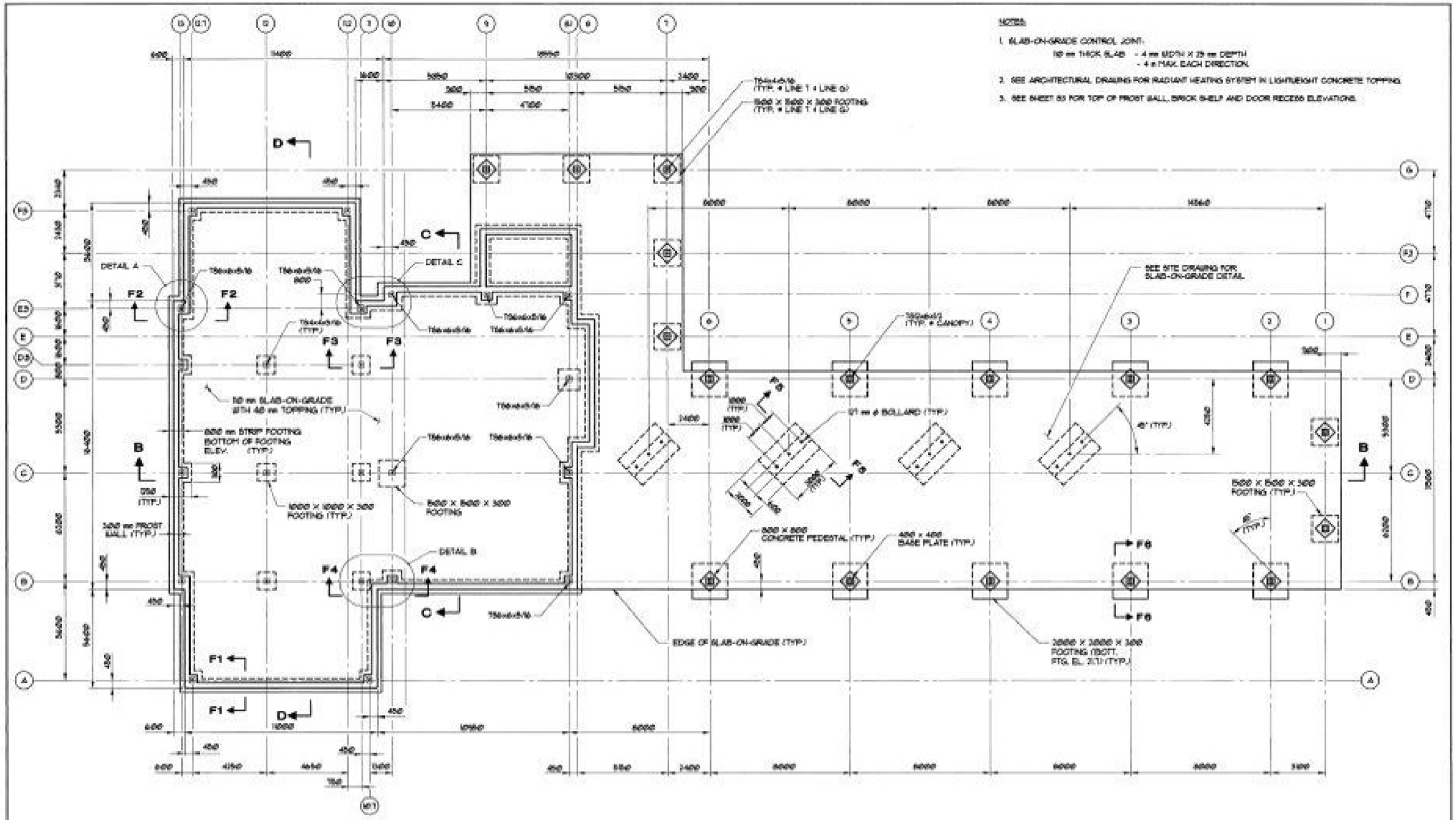
DRAWN BY: NJH | SCALE: | DATE: 10/20/98

PROJECT NO. 7229
DRAWING NO. S1
SHEET 2 of 10

HC FILE = 3000/SITE.DWG / PLOT SCALE 1 = 200

NOTES:

1. SLAB-ON-GRADE CONTROL JOINT:
   150 mm THICK SLAB - 4 mm WIDTH X 29 mm DEPTH
   - 4 m MAX. EACH DIRECTION.
2. SEE ARCHITECTURAL DRAWING FOR RADIANT HEATING SYSTEM IN LIGHTWEIGHT CONCRETE TOPPING.
3. SEE SHEET S3 FOR TOP OF FROST WALL, BRICK SHELF AND DOOR RECESS ELEVATIONS.



BOTTOM OF FOOTING ELEVATION @ BUILDING :

EXTERIOR = EL. 7.6
INTERIOR = EL. 12.65

FOUNDATION PLAN

1 mm = 100 mm

PROJECT NORTH

Reynolds Corporation
Consulting Engineers

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS

JOHN O. MORTON BUILDING
PO BOX 483
CONCORD, NEW HAMPSHIRE 03302-0483

REVISIONS		
DATE	DESCRIPTION	BY

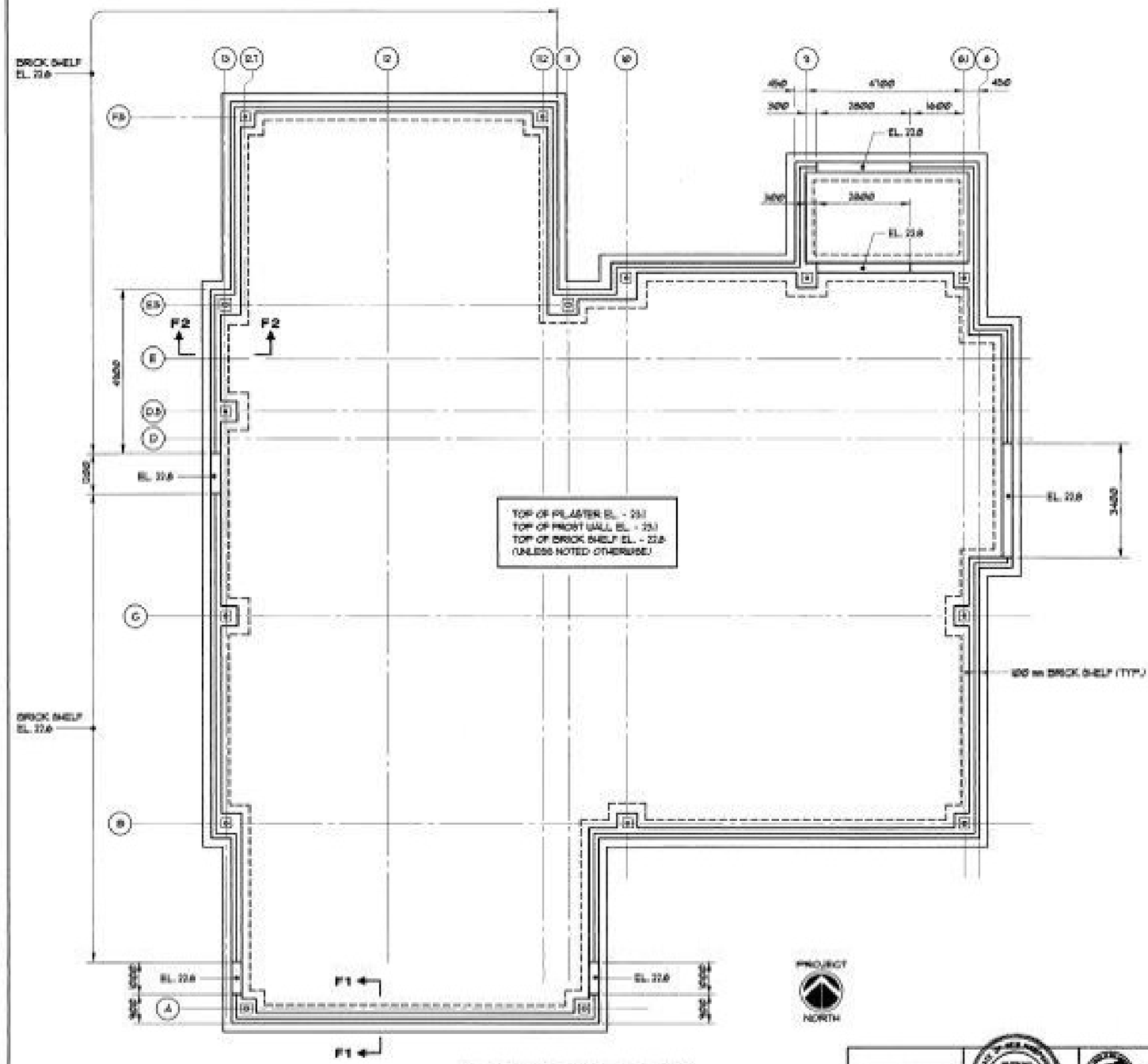
PORTSMOUTH TRANSPORTATION CENTER

PORTSMOUTH, NEW HAMPSHIRE
BUREAU OF PUBLIC WORKS

FOUNDATION PLAN

DRAWN BY	CHKD	DATE	SHEET NO.
NJH		5/07/08	S2

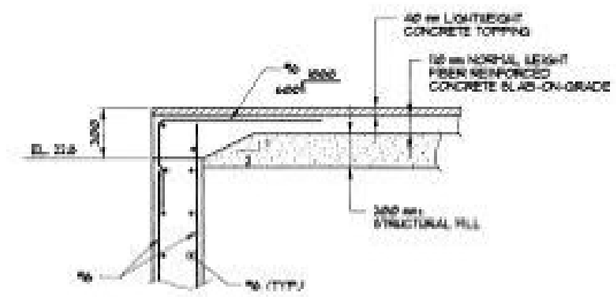
HC FILE #200PNOND.DGN / PLOT SCALE 1 = 100



NOTE : SECTIONS F1-F1 & F2-F2 - SEE SHEET S1

BRICK SHELF AND WALL RECESS PLAN

NOT TO SCALE



SLAB END DETAIL @ DOOR

NOT TO SCALE

Hayashi Corporation
Consulting Engineers

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
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JOHN O. MORTON BUILDING
HAZEN DRIVE BOX 483 ROOM 3
CONCORD, NEW HAMPSHIRE 03302-0483
(603) 271-3018 FAX(603) 271-3015

REVISIONS

DATE	DESCRIPTION	BY

PORTSMOUTH TRANSPORTATION CENTER

PORTSMOUTH, NEW HAMPSHIRE
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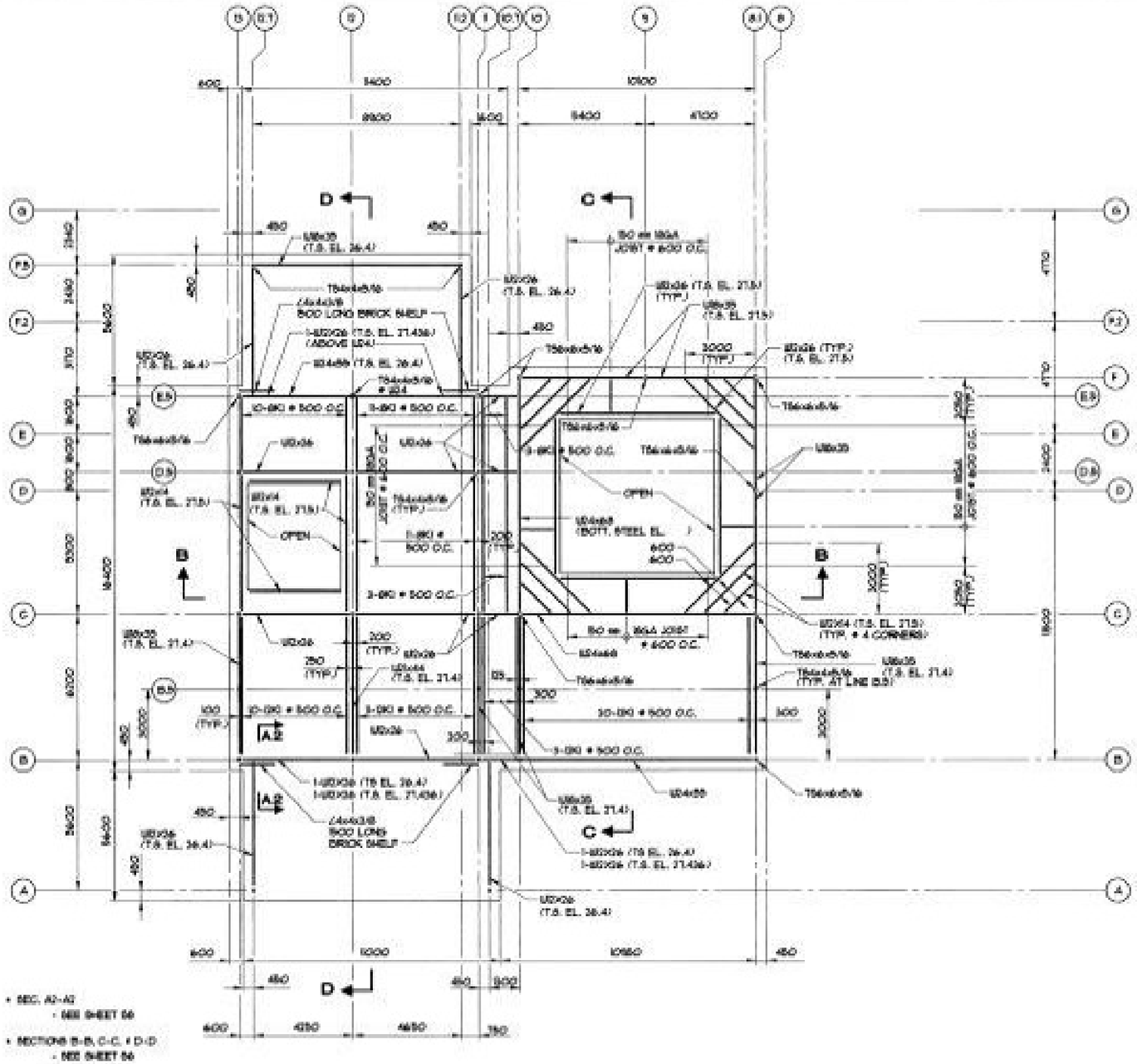
BRICK SHELF PLAN

DRAWN BY: NJH | SCALE: | DATE: 5/02/98

PROJECT NO. 1-1-97
JOB NO. S3
SHEET NO. S3

HC FILE #300SHELF.DWG / PLOT SCALE 1 = 100



• SEC. A2-A2
- SEE SHEET 56

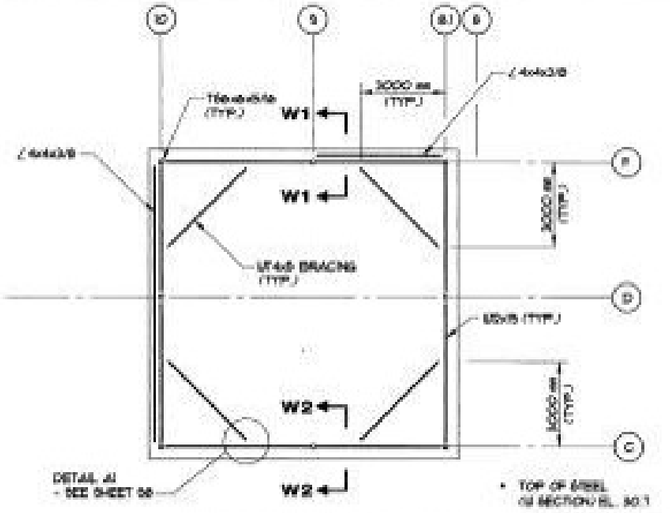
• SECTIONS B-B, C-C, & D-D
- SEE SHEET 56

NOTE : T.S. = TOP OF STEEL
TOP OF STEEL (U SECTIONS) ELEV. = 27.436 m (UNLESS NOTED OTHERWISE)
TOP OF STEEL JOIST ELEV. = 27.50 m (UNLESS NOTED OTHERWISE)

PROJECT NORTH

ATTIC FRAMING PLAN

1 mm = 100 mm



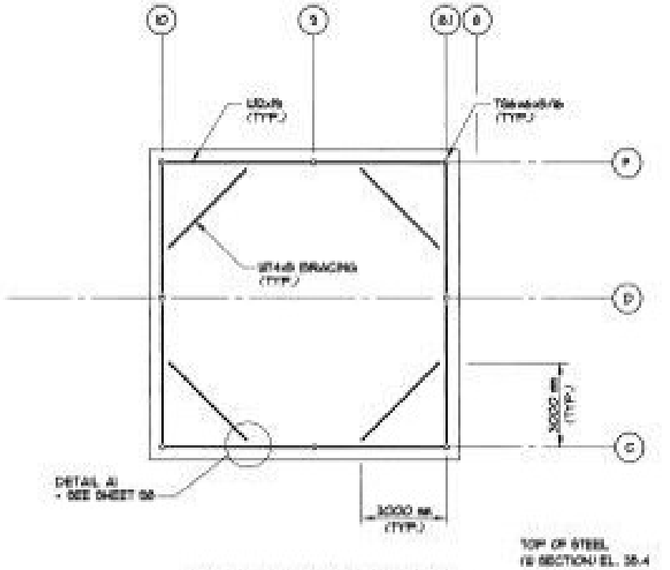
• TOP OF STEEL (U SECTION) EL. 30.7

• SECTIONS B1-B1 & B2-B2
- SEE SHEET 56

BRICK SHELF SUPPORT

FRAMING PLAN

1 mm = 100 mm



TOP OF STEEL (U SECTION) EL. 35.4

TOWER ROOF SUPPORT

FRAMING PLAN

1 mm = 100 mm

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JOHN O. MORTON BUILDING
HAZEN DRIVE, BOX 483, ROOM 5
CONCORD, NEW HAMPSHIRE 03302-0483
(603) 271-3090 FAX(603) 271-3065

REVISIONS

DATE	DESCRIPTION	BY

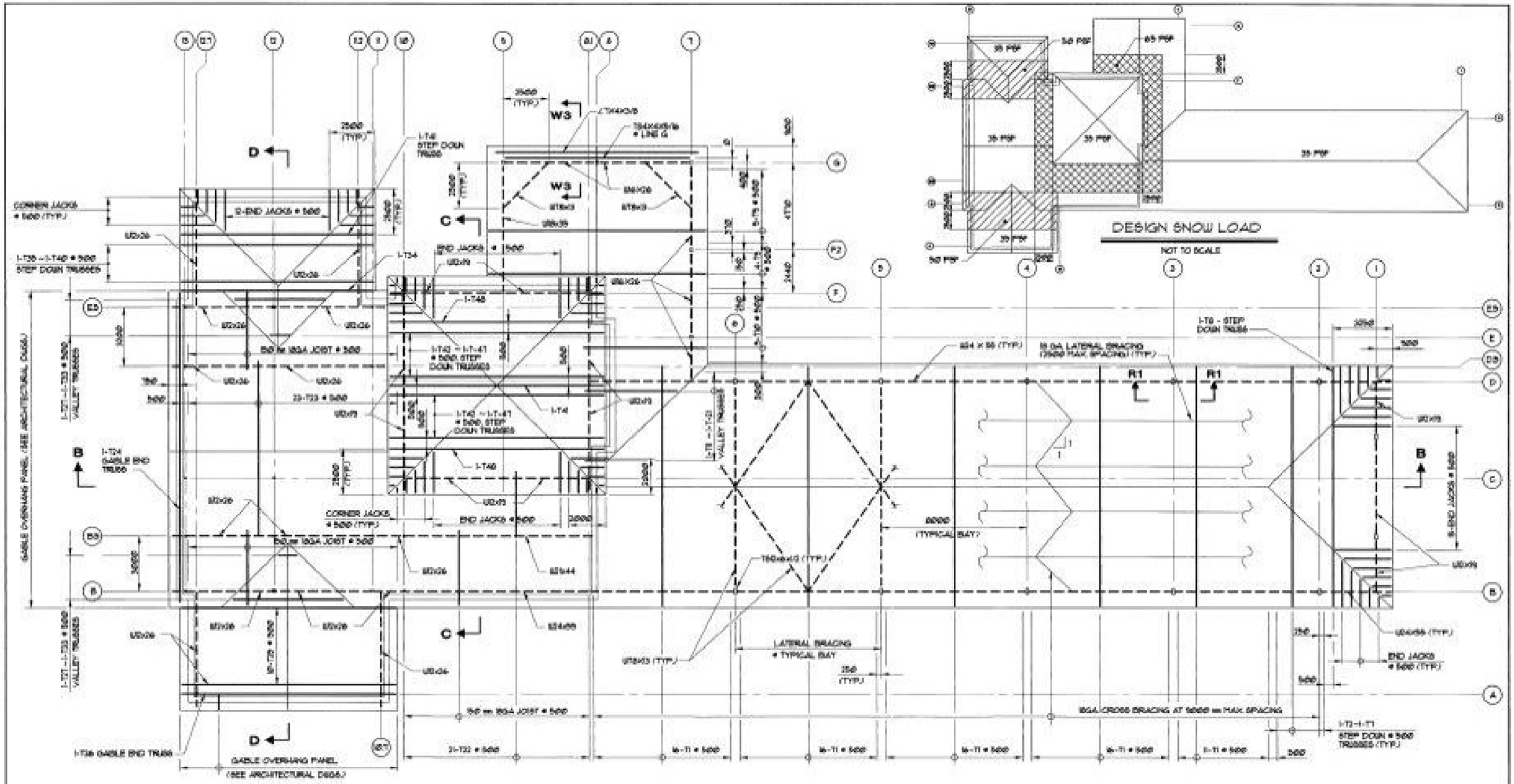
PORTSMOUTH TRANSPORTATION CENTER

PORTSMOUTH, NEW HAMPSHIRE
BUREAU OF PUBLIC WORKS

ATTIC FRAMING PLAN

DRAWN BY: NJH | SCALE: | DATE: 5/20/98 | SHEET 54 | 2 of 85

HC FILE = 200ATTIC.DWG / PLOT SCALE 1 = 100



NOTES :

1. TOP OF STEEL ELEVATIONS - SEE SEC. C-C @ SEC. D-D (SHEET S4.) & SEC. U3-S3 (SHEET S5).
2. LATERAL AND DIAGONAL (CROSS) BRACINGS FOR TRUSS ARE NOT SHOWN AT THE BUILDING ROOFS. PROVIDE BRACINGS SPACED AS FOLLOWS:

   LATERAL BRACING : 2500 mm MAX.
   CROSS BRACING : EACH END OF BUILDING AND AT EVERY 10000 mm OR LESS.

3. TRUSS FASTENER SHALL HAVE THE CAPACITY TO RESIST UPLIFT FORCE OF 3556 N (800 LB) MINIMUM.

ROOF FRAMING PLAN

1 mm = 100 mm

PROJECT NORTH

Hayashi Corporation
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STATE OF NEW HAMPSHIRE
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JOHN O. MORTON BUILDING
HAZEN DRIVE - BOX 483 - ROOM 3
CONCORD, NEW HAMPSHIRE 03302-0483
(603) 271-3344 - FACSIMILE: 271-3914

REVISIONS

DATE	DESCRIPTION	BY

PORTSMOUTH TRANSPORTATION CENTER

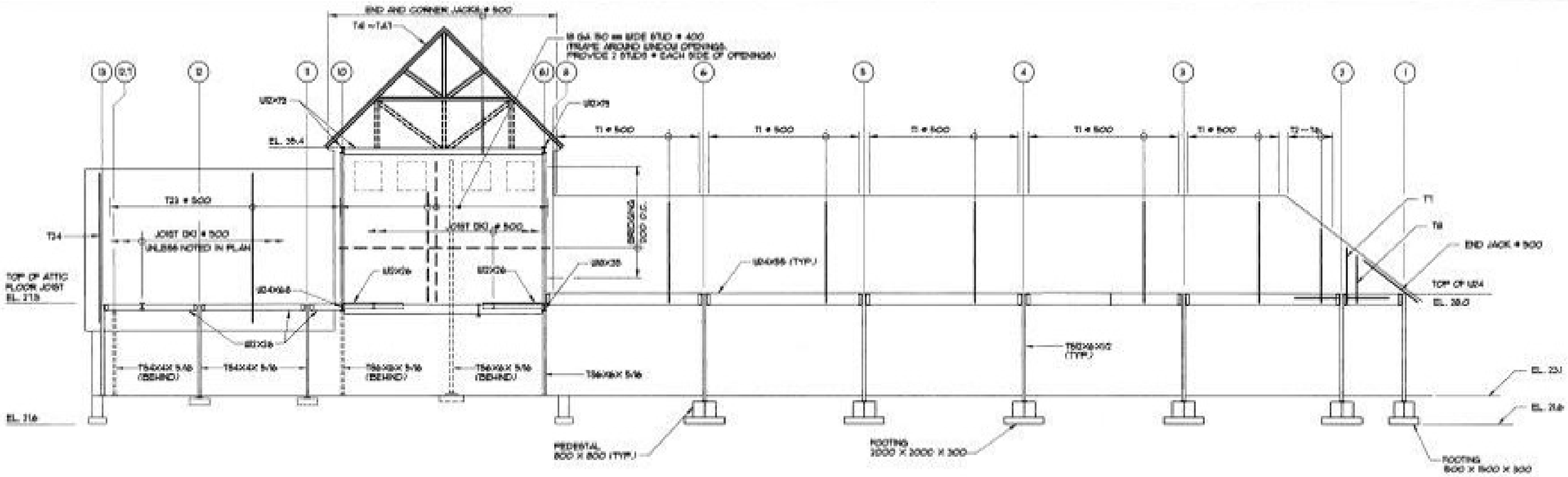
PORTSMOUTH, NEW HAMPSHIRE
BUREAU OF PUBLIC WORKS

ROOF FRAMING PLAN

PROJECT NO. 22-07
SHEET NO. S5
TOTAL SHEETS 6/6

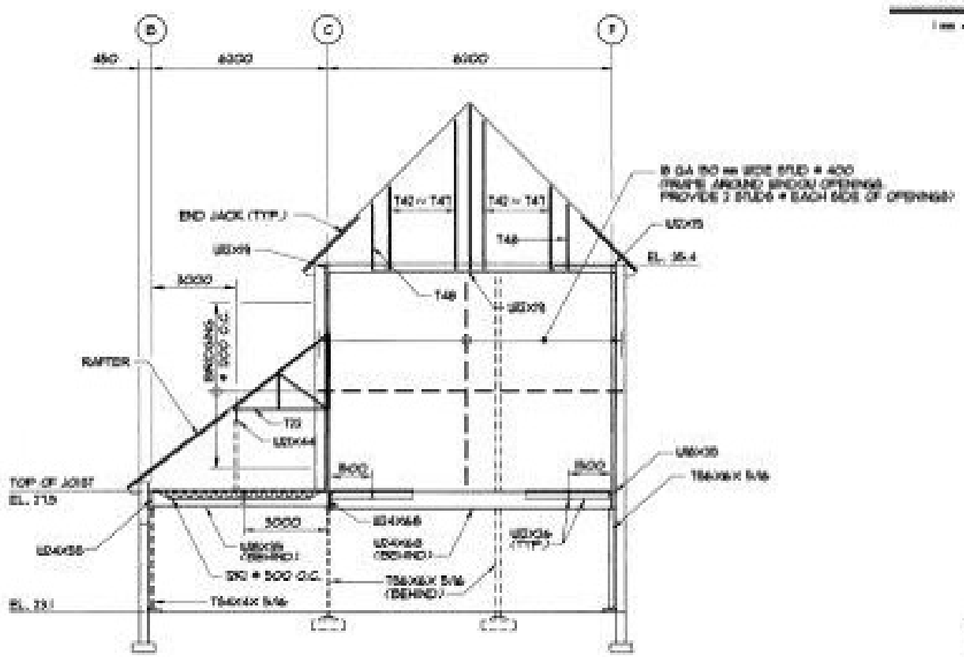
DRAWN BY: RJH
DATE: 5/22/98

HC FILE * 12ENROOF.DWG / PLOT SCALE 1 = 100



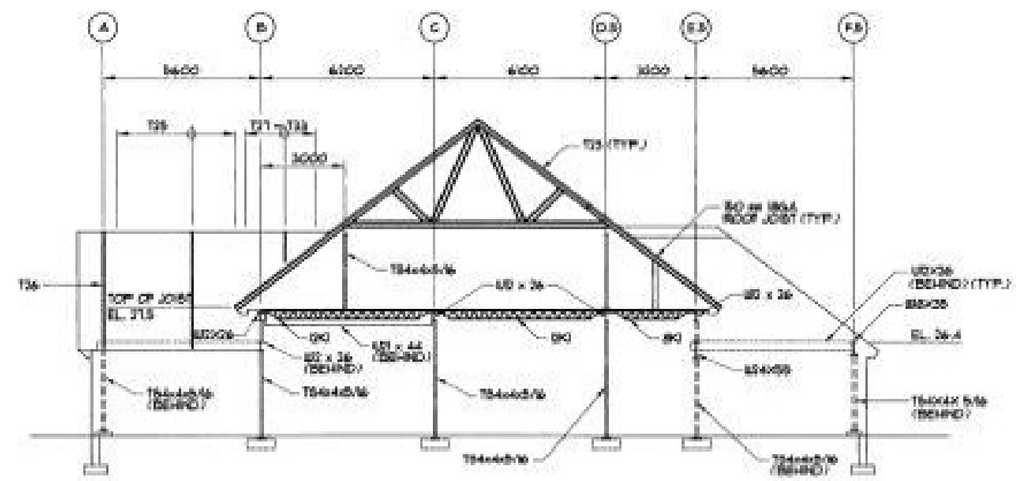
SECTION B-B

1 mm = 100 mm



SECTION C-C

1 mm = 100 mm



SECTION D-D

1 mm = 100 mm

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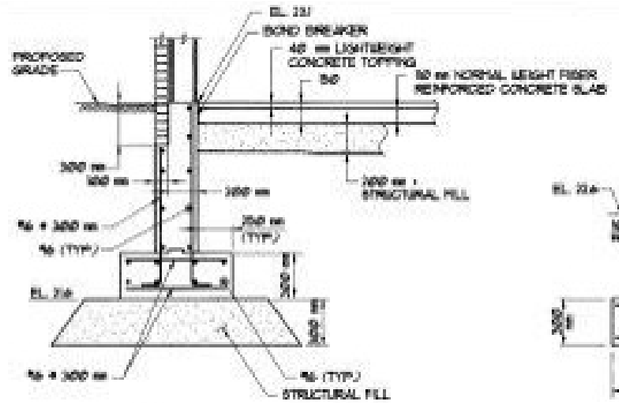
PORTSMOUTH, NEW HAMPSHIRE
BUREAU OF PUBLIC WORKS

BUILDING SECTIONS

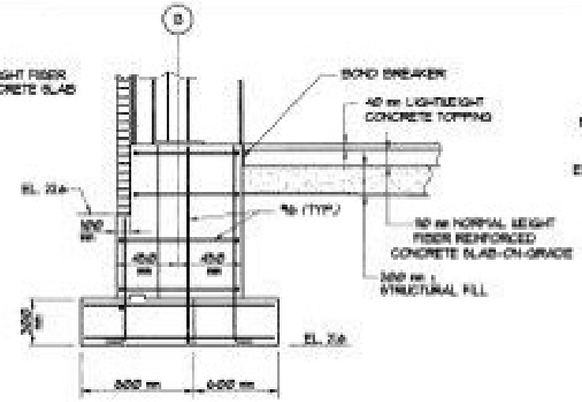
56

HC FILE # 2005SECIDUS / PLOT SCALE 1 = 100



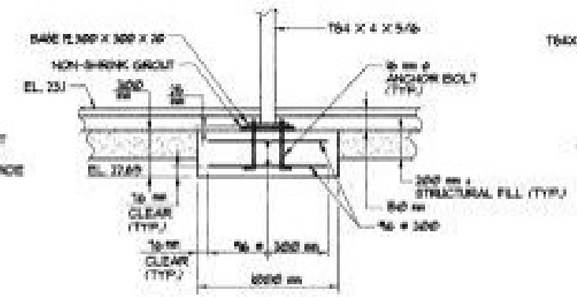
SECTION F1-F1

NOT TO SCALE



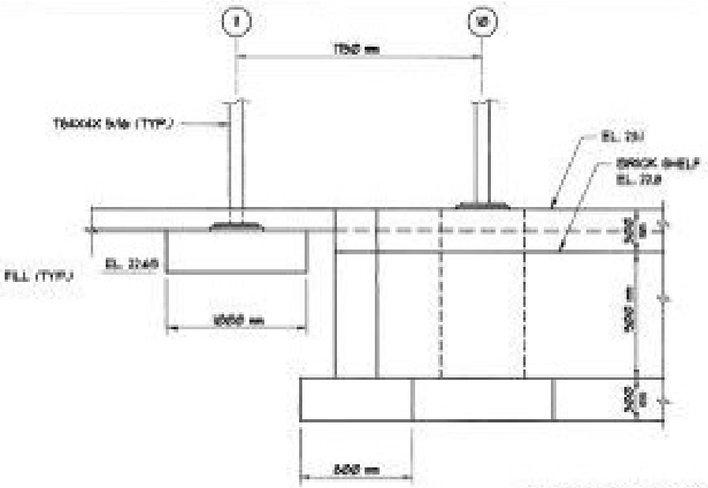
SECTION F2-F2

NOT TO SCALE



SECTION F3-F3

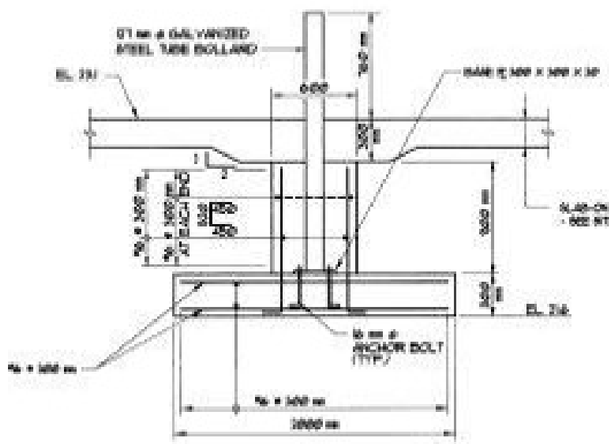
NOT TO SCALE



(REINFORCING NOT SHOWN)

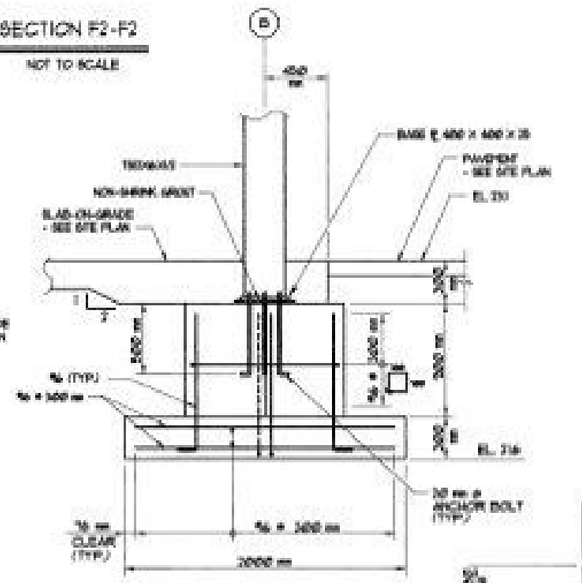
ELEVATION F4-F4

NOT TO SCALE



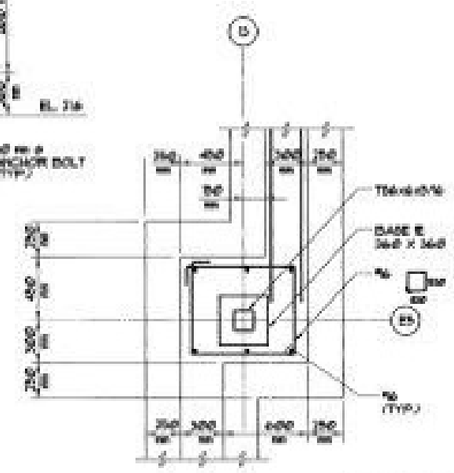
SECTION F5-F5

NOT TO SCALE



SECTION F6-F6

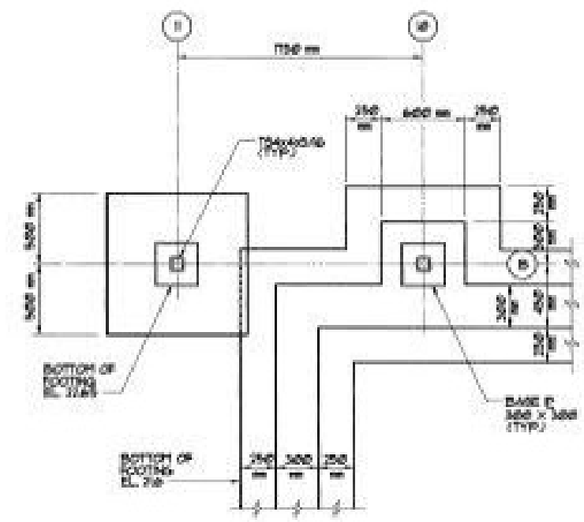
NOT TO SCALE



(FOOTING REINFORCING NOT SHOWN)

DETAIL A

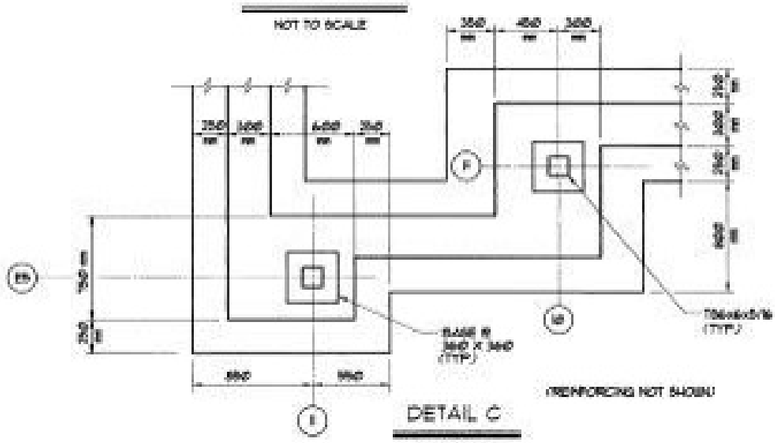
NOT TO SCALE



(REINFORCING NOT SHOWN)

DETAIL B

NOT TO SCALE



(REINFORCING NOT SHOWN)

DETAIL C

NOT TO SCALE

NOTES:

1. ALL REINFORCING BARS SHALL HAVE 50 mm COVER UNLESS NOTED OTHERWISE.

Hayashi Corporation
Consulting Engineers

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS

REVISIONS

DATE	DESCRIPTION	BY

PORTSMOUTH TRANSPORTATION CENTER

PORTSMOUTH, NEW HAMPSHIRE
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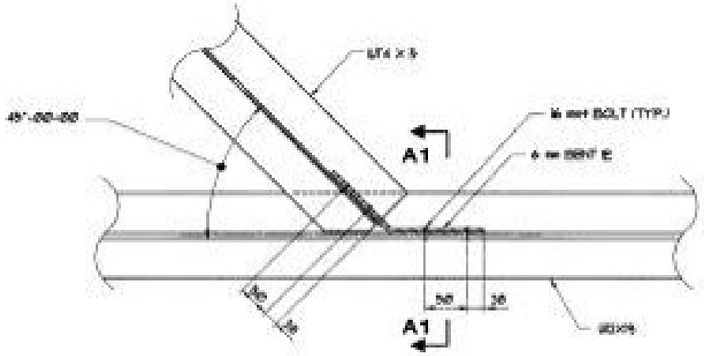
SECTIONS & DETAILS (1)

PLAN SHEET NO. 57

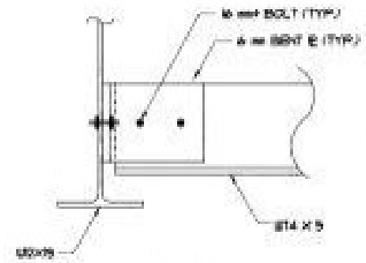
DESIGN BY: NJH

HC FILE #30000C1.DWG / PLOT SCALE 1 = 20



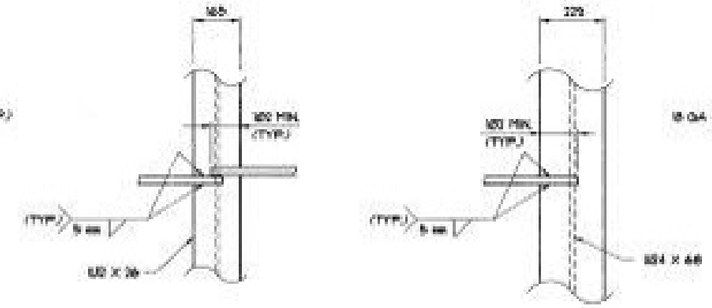
DETAIL A1

NOT TO SCALE



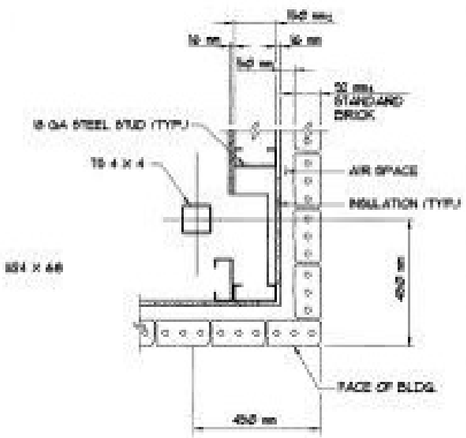
SECTION A1-A1

NOT TO SCALE



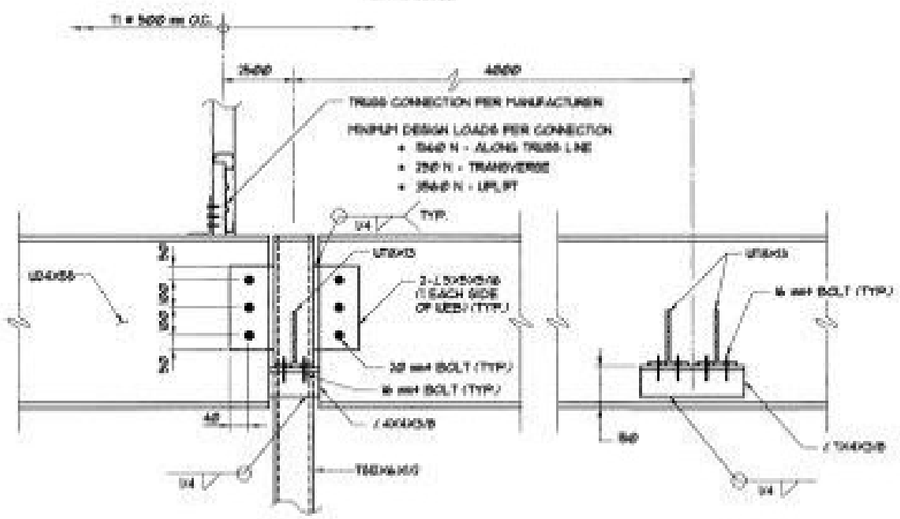
TYPICAL JOIST BEARING

NOT TO SCALE



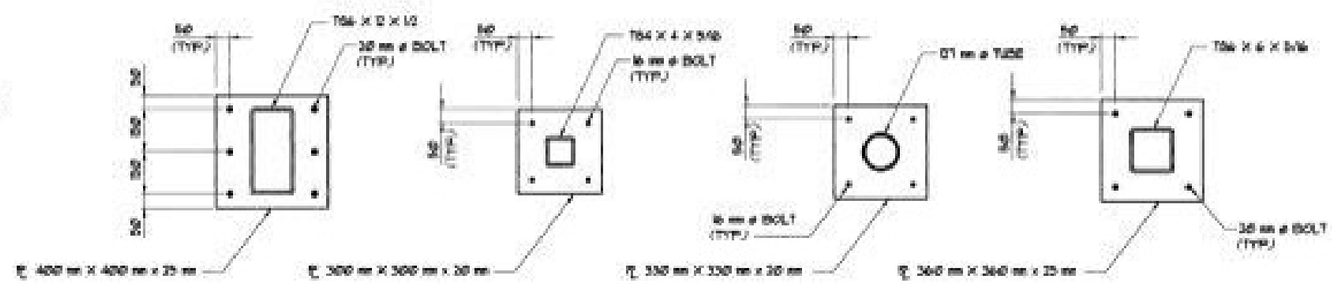
TYPICAL CORNER DETAIL ABOVE EL.23.1

NOT TO SCALE



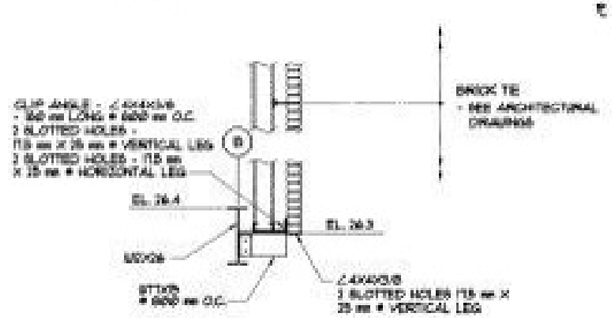
SECTION R1-R1

NOT TO SCALE



BASE PLATE AND ANCHOR BOLTS

NOT TO SCALE



SECTION A2-A2

NOT TO SCALE

Hayashi Corporation

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
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REVISIONS

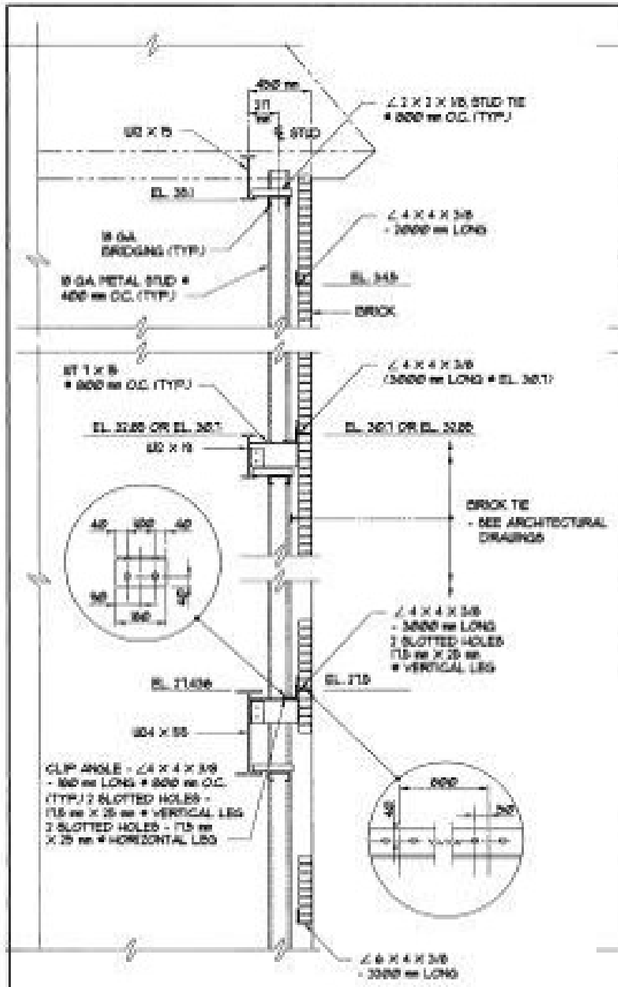
PORTSMOUTH TRANSPORTATION CENTER

PORTSMOUTH, NEW HAMPSHIRE
BUREAU OF PUBLIC WORKS

SECTIONS & DETAILS (2)

58

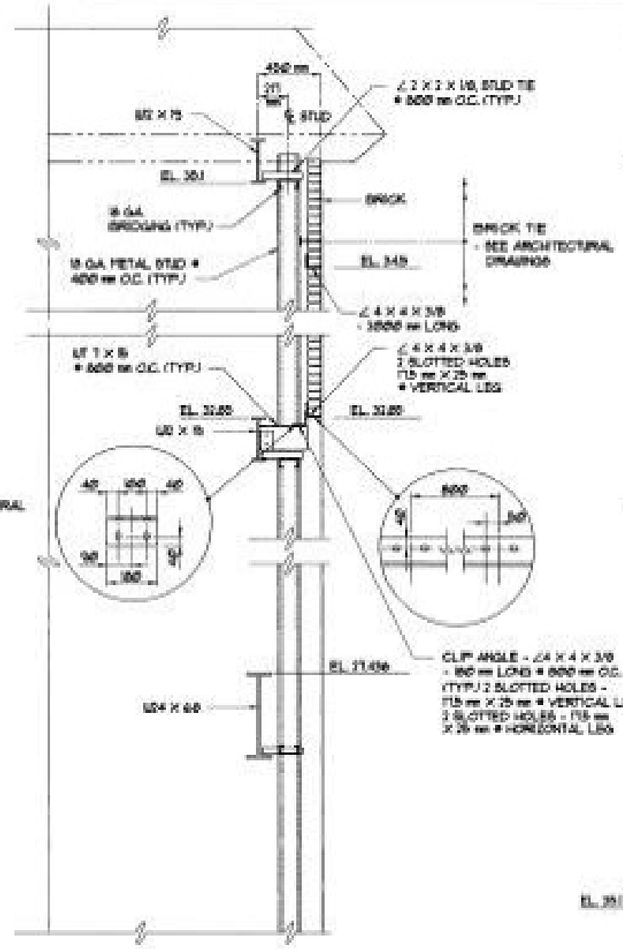
HC FILE # 2008BC3.DWG / PLOT SCALE 1 = 10



SECTION W1-W1

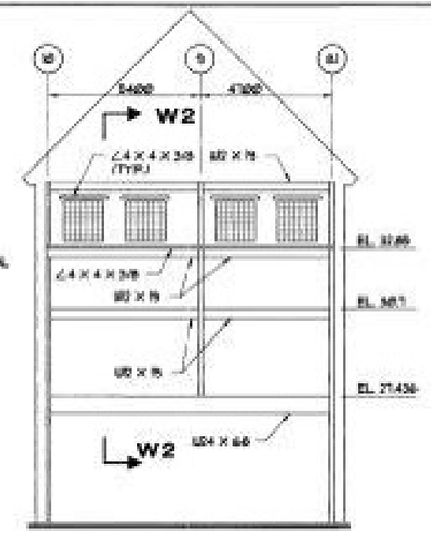
1 mm = 20.00 mm

NOTE : GALVANIZE ALL BRICK SHELF LINTELS AND CONNECTION ANGLES.



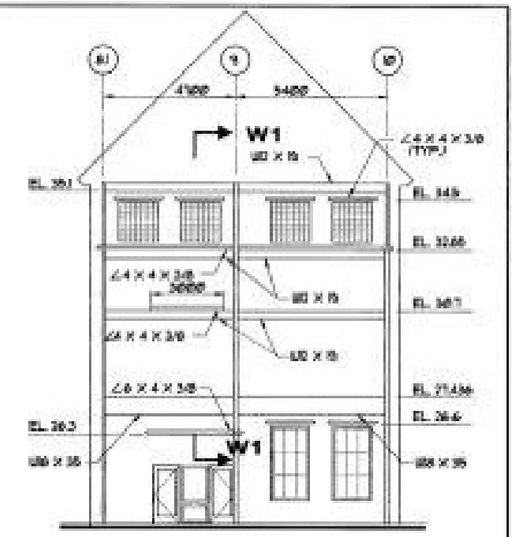
SECTION W2-W2

1 mm = 20.00 mm



TOWER SOUTH ELEVATION

NOT TO SCALE

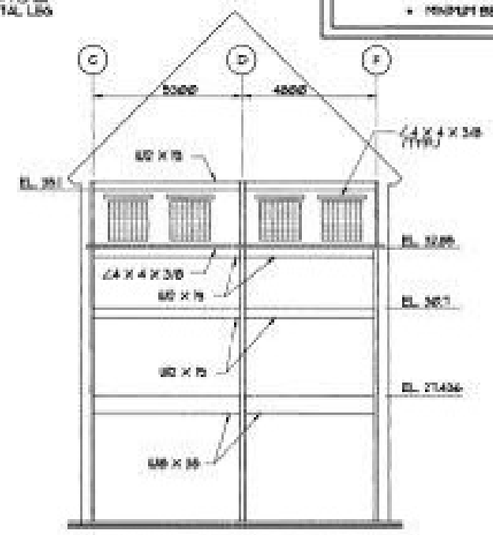


TOWER NORTH ELEVATION

NOT TO SCALE

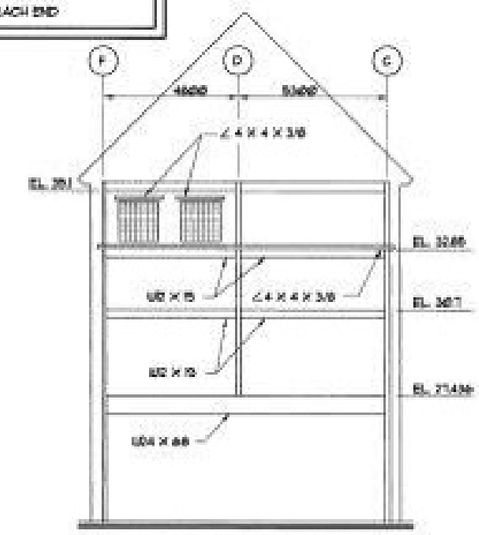
LOOSE LINTELS (GALVANIZE ALL BRICK SHELF LINTELS FOR EXTERIOR USE)

- PROVIDE LOOSE LINTELS FOR BRICK WALL OPENINGS
  - ∠4X4X3/8 @ OPENING LESS THAN 1500 mm
  - ∠6X4X3/8 @ OPENING LESS THAN 3000 mm
- MINIMUM BEARING LENGTH = 200 mm @ EACH END



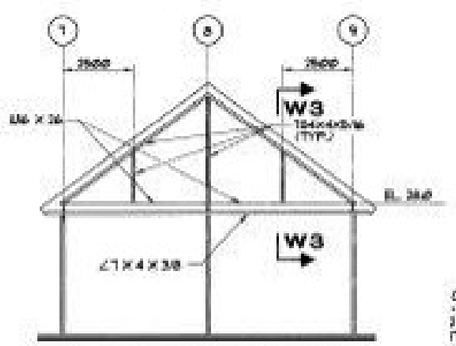
TOWER EAST ELEVATION

NOT TO SCALE



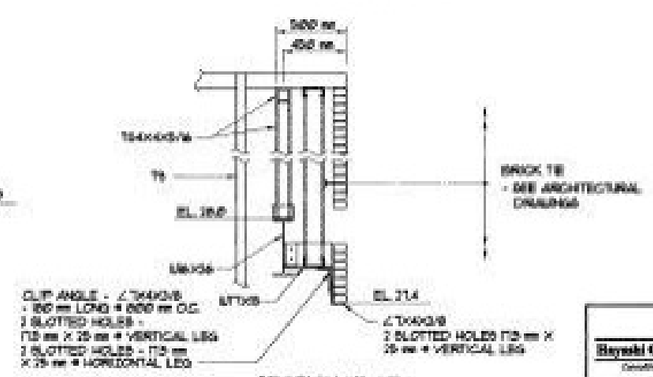
TOWER WEST ELEVATION

NOT TO SCALE



ENTRANCE NORTH ELEVATION

NOT TO SCALE



SECTION W3-W3

NOT TO SCALE

Reynold Corporation
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BUREAU OF PUBLIC WORKS
JOHN O. MORTON BUILDING
HAZEN DRIVE PO BOX 483 ROOM 3
CONCORD, NEW HAMPSHIRE 03302-0483
PHONE 271-3348 FAX/PHONE 271-3914

REVISIONS		
DATE	DESCRIPTION	BY

PORTSMOUTH TRANSPORTATION CENTER

PORTSMOUTH, NEW HAMPSHIRE
BUREAU OF PUBLIC WORKS

SECTIONS & DETAILS (3)

DRAWN BY: NJH | CHKD: | DATE: 5/07/98

PROJECT No. 12.2177
DRAWING No. 69

HC FILE #3608\69P.DWG / PLOT SCALE 1 = 20

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS
PROJECT NO. 12250 VOLUME II

PORTSMOUTH TRANSPORTATION CENTER
BUS TERMINAL FACILITY
(ITEM 660.75)
PORTSMOUTH, NEW HAMPSHIRE

TITLE SHEET

CIVIL

C1 SITE PLAN
C2 CIVIL DETAILS
C3 SEWER DETAILS

STRUCTURAL

S1 SITE PLAN AND SECTION
S2 FOUNDATION PLAN
S3 BRICK SHELF PLAN
S4 ATTIC FRAMING PLAN
S5 ROOF FRAMING PLAN
S6 BUILDING SECTIONS
S7 SECTIONS AND DETAILS
S8 SECTIONS AND DETAILS
S9 SECTIONS AND DETAILS

ARCHITECTURAL

A1 FIRST FLOOR PLAN
A2 ATTIC AND TOWER PLANS
A3 ROOF PLAN
A4 INTERIOR DIMENSIONS/FINISHES
A5 BUILDING ELEVATIONS
A6 BUILDING ELEVATIONS
A7 BUILDING SECTIONS
A8 BUILDING SECTIONS
A9 DETAILS
A10 DETAILS
A11 DETAILS
A12 DETAILS
A13 DETAILS
A14 DETAILS
A15 DETAILS
A16 DETAILS
A17 DETAILS
A18 DETAILS
A19 DETAILS
A20 DETAILS
A21 REFLECTED CEILING PLANS
A22 INTERIOR ELEVATIONS
A23 SCHEDULES: DOOR, WINDOW, FINISH

MECHANICAL

M1 HEATING, VENTILATION AND AIR CONDITIONING
M2 DETAILS AND SCHEDULES
P1 PLUMBING PLAN
P2 PLUMBING PLAN

ELECTRICAL

E1 ELECTRICAL LEGEND, SCHEDULES AND DETAILS
E2 FIRST FLOOR POWER AND SYSTEMS LAYOUT
E3 FIRST FLOOR LIGHTING AND FIRE ALARM SYSTEM LAYOUT
E4 SECOND LEVEL/ATTIC POWER, LIGHTING AND MISC. DETAILS

LANDSCAPING

L1 SITE IMPROVEMENTS AND DETAILS
L2 LANDSCAPING PLANTING SECTION PLANS A,B,I,J,K,L
L3 LANDSCAPING PLANTING SECTION PLANS C,D,E,F,G,H AND SCHEDULE

1996 BOCA NATIONAL BUILDING CODE

BUILDING AREA	5,600 SF
ATTIC AREA	3,200 SF
CANOPY AREA	7,437 SF
HEIGHT - AVERAGE	28 FT
MAX. (TO ROOF)	39 FT

303.4 USE GROUP - A3 ASSEMBLY.

503 HEIGHT & AREA LIMITATIONS - 2 STORY, 30', 6400 S.F.

506.4 REDUCTION OF AREA LIMITATIONS - 1 STORY, 20: NONE.

602 FIRE RESISTANCE RATINGS OF STRUCTURE ELEMENTS -
1. EXTERIOR WALLS; NONLOADBEARING: 0 HR. (SECTION 705.2)
4. FIRE PARTITIONS; TENANT SPACES SEPARATIONS: 0 HR.
6. INTERIOR LOADBEARING...COLUMNS/FRAMING, SUPPORTING ONE FLOOR OR A ROOF: 0 HR.
11. ROOF CONSTRUCTION: 0 HR.

603 TYPE 2C CONSTRUCTION - UNPROTECTED.

721.7 DRAFTSTOPPING: REQUIRED TYPES 3, 4, & 5.

803.3 INTERIOR FINISH CLASSIFICATION (ASTM E84)

CLASS I FLAME SPREAD	0 - 25
CLASS II	26 - 75
CLASS III	76 - 200

803.3.2 SMOKE DEVELOPMENT: = 450

803.4 USE GROUP A3: EXITS/PASSAGEWAYS - CLASS I
CORRIDOR EXIT ACCESS - CLASS I
ROOMS - CLASS II

805.2.1 TEST REPORT: CARPET TESTED BY APPROVED AGENCY (COMPLY WIASTM E648).

904.2 FIRE DETECTION SYSTEM - A3, NOT REQUIRED <12,000 S.F.

918.4 FIRE ALARM SYSTEM - (NOT REQUIRED) PROVIDED PER NFPA 72.

921.2 FIRE EXTINGUISHER: PROVIDE PER NFPA 10.

1006.4.1 REMOTE EXITS: > 1/2 MAX. OVERALL DIAGONAL OF AREA SERVED.

1006.5 LENGTH OF ACCESS TRAVEL - 200'.

1008.2 MAXIMUM FLOOR AREA/OCCUPANT
ASSEMBLY W/O FIXED SEAT - CONCENTRATED: 7 S.F./OCCUPANT
UNCONCENTRATED: 15 S.F./OCCUPANT
(SEATING PROVIDED: 40)
(DESIGN LOAD: WAITING - 60)
OFFICE AREA: 100 SF/OCCUPANT (1600 SF) = 16

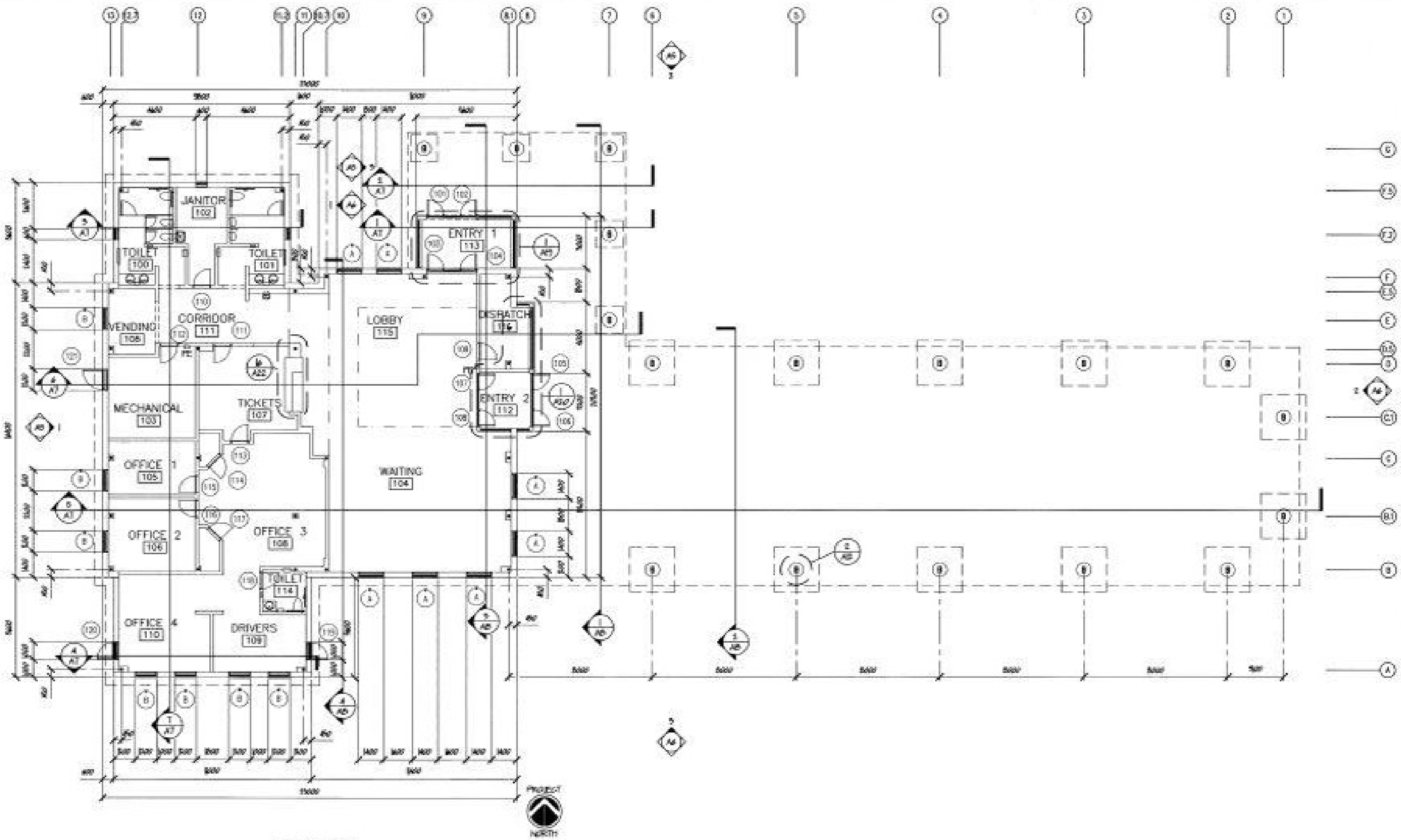
1009.2 EGRESS PER OCCUPANT - DOORS: 0.2"/PERSON = 12"
EGRESS WIDTH PROVIDED @ PUBLIC LOBBY = 144"

1010.2 MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD - < 500 : 2.

1011.2 DEAD ENDS: EXIT ACCESS PASSAGEWAYS & CORRIDORS - 20 FT.
EXCEPTION 5. PASSAGEWAYS/CORRIDORS NOT LIMITED IN LENGTH WHERE LENGTH IS < 2.5X LEAST WIDTH.

1011.4 CORRIDOR FIRE RESISTANCE RATING - REQUIRED CAPACITY OF EXITS > 30: 1 HOUR.

				APPROVED: STATE OF NH FIRE MARSHAL'S OFFICE — DATE: 01-11-99	APPROVED: DIRECTOR - PUBLIC WORKS & TRANSPORTATION — DATE: 9-1-99
				RECOMMENDED: — DATE:	RECOMMENDED: ADMINISTRATOR - BUREAU OF PUBLIC WORKS — DATE: 9-1-99
				APPROVED - HIRING AGENCY: — DATE:	APPROVED - LOCAL GOVERNMENT: DEPARTMENT OF TRANSPORTATION — DATE: 9-1-99



FLOOR PLAN

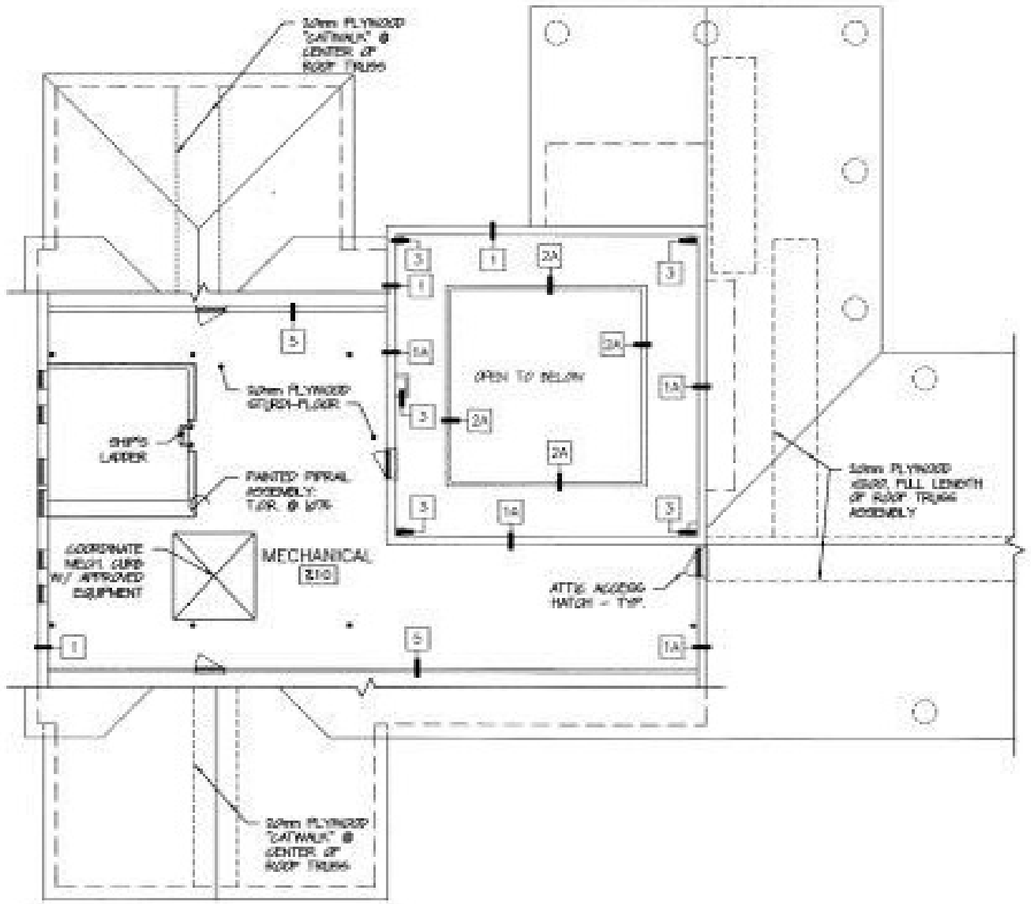
1 = 1/8" m

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS

PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

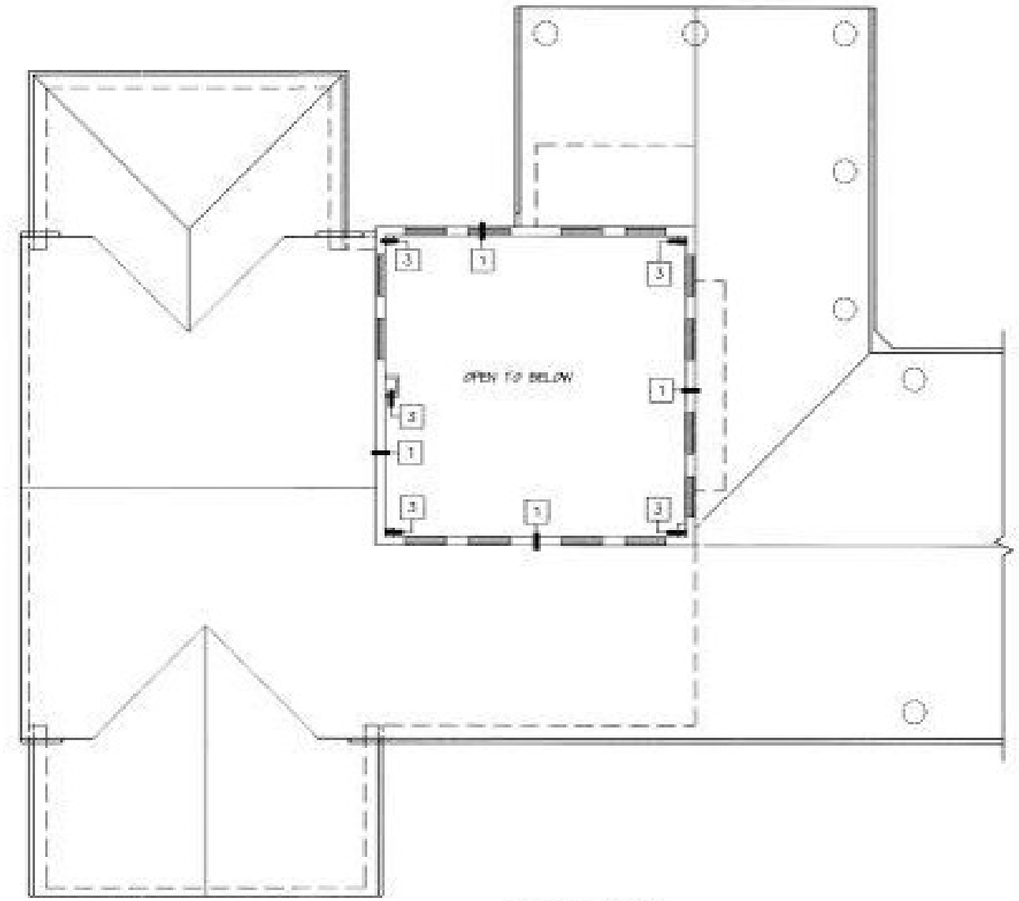
FIRST FLOOR PLAN

A1



ATTIC PLAN

1 = 1/8" m



TOWER PLAN

1 = 1/8" m

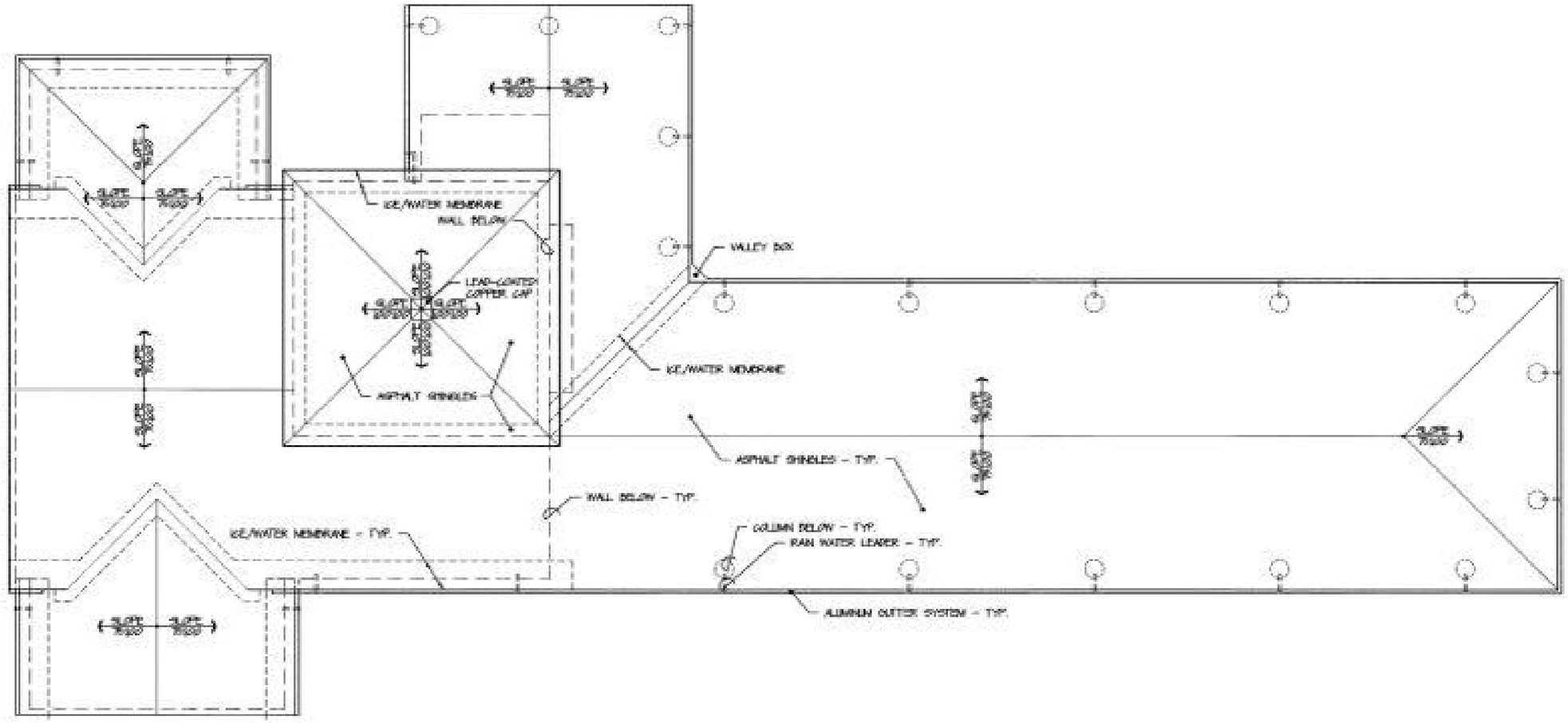
PROJECT NORTH

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS

PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

ATTIC AND TOWER PLAN

A1



ROOF PLAN

1 = 100 mm

PROJECT NORTH

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS

JOHN O. MORTON BUILDING
HAZEN DRIVE BOX 483 ROOM 3
CONCORD, NEW HAMPSHIRE 03302-0483
(603) 271-3516 FAX(603) 271-3515

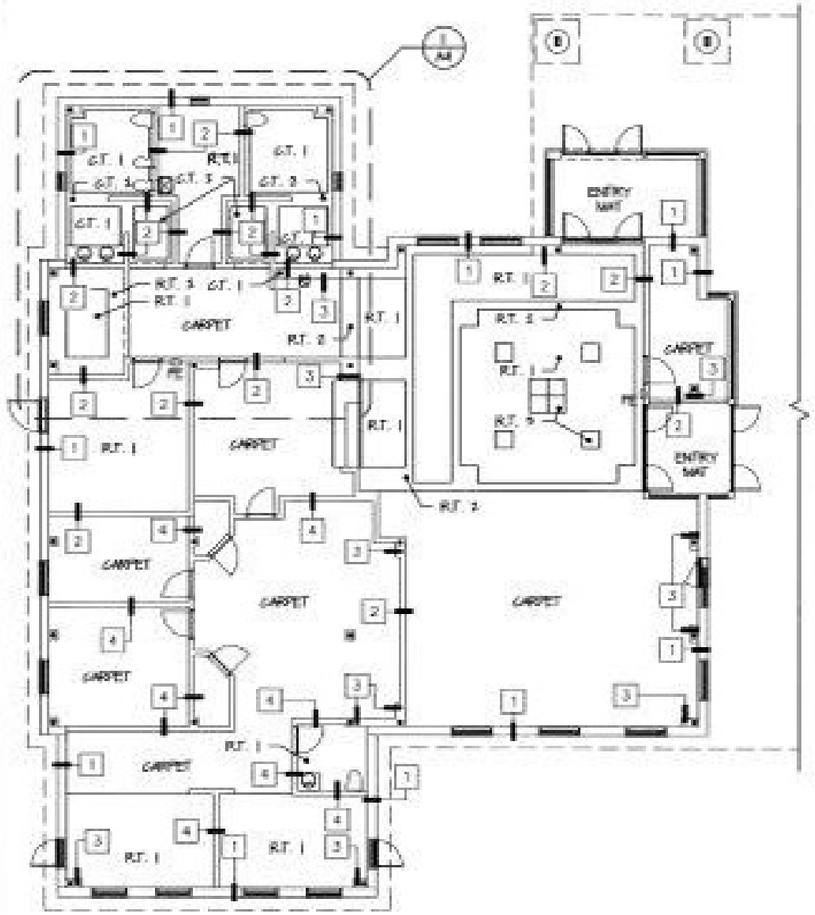
REVISIONS

DATE	DESCRIPTION	BY

PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

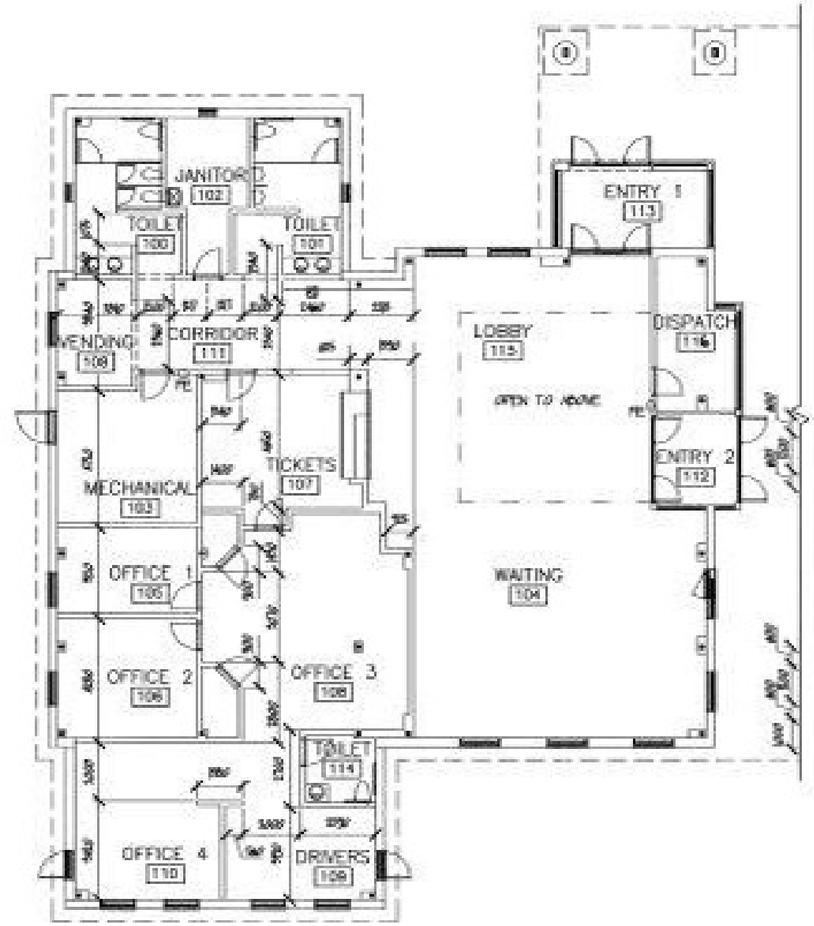
ROOF PLAN

DRAWN BY: DRD
CHECKED BY: DRD
APPROVED BY:
DESIGNED BY:
DRAWN BY: DRD
SCALE: AS NOTED
DATE: 2/1/08
PROJECT NO.: 2040
SHEET: A3



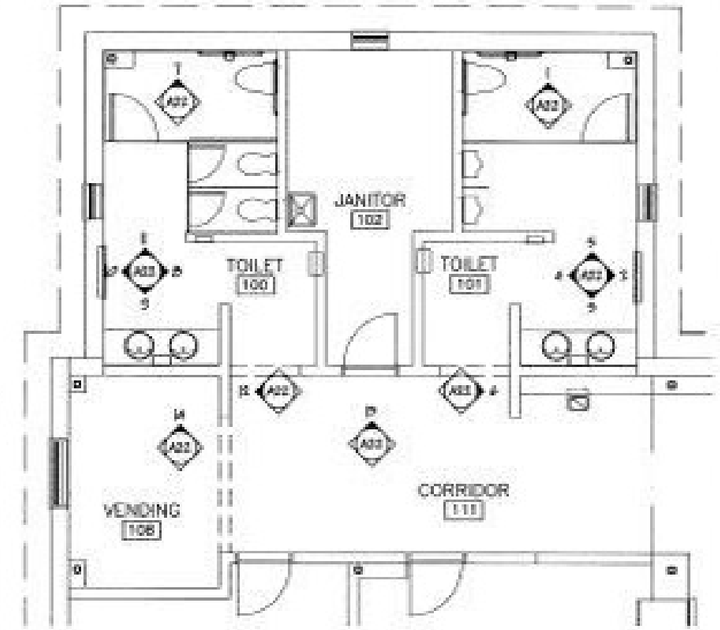
FIRST FLOOR INTERIOR FINISH PLAN

1 = 100 mm



INTERIOR DIMENSION PLAN

1 = 100 mm



INTERIOR ELEVATION KEY PLAN

1 = 50 mm

STATE OF NEW HAMPSHIRE
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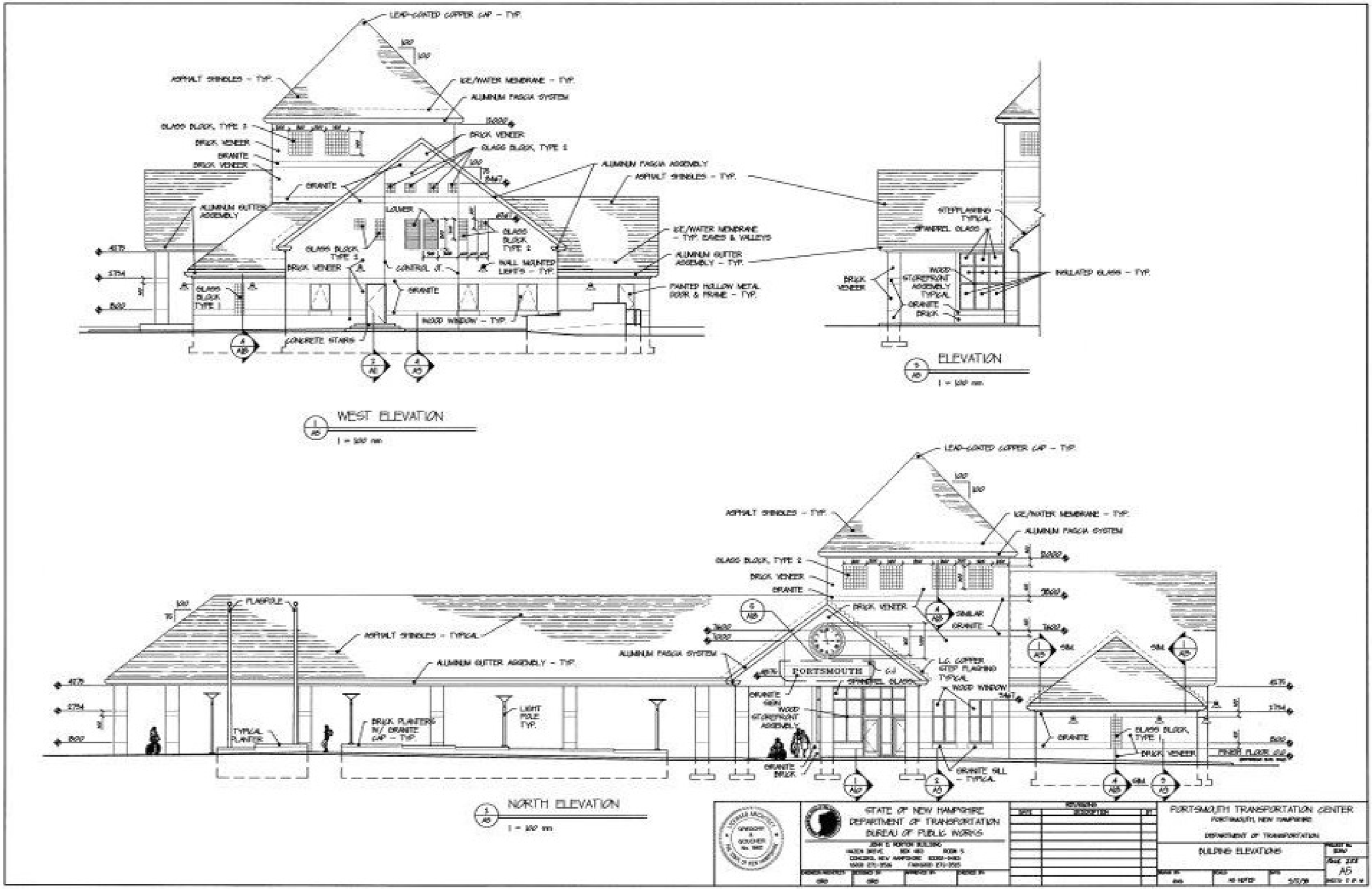
PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE

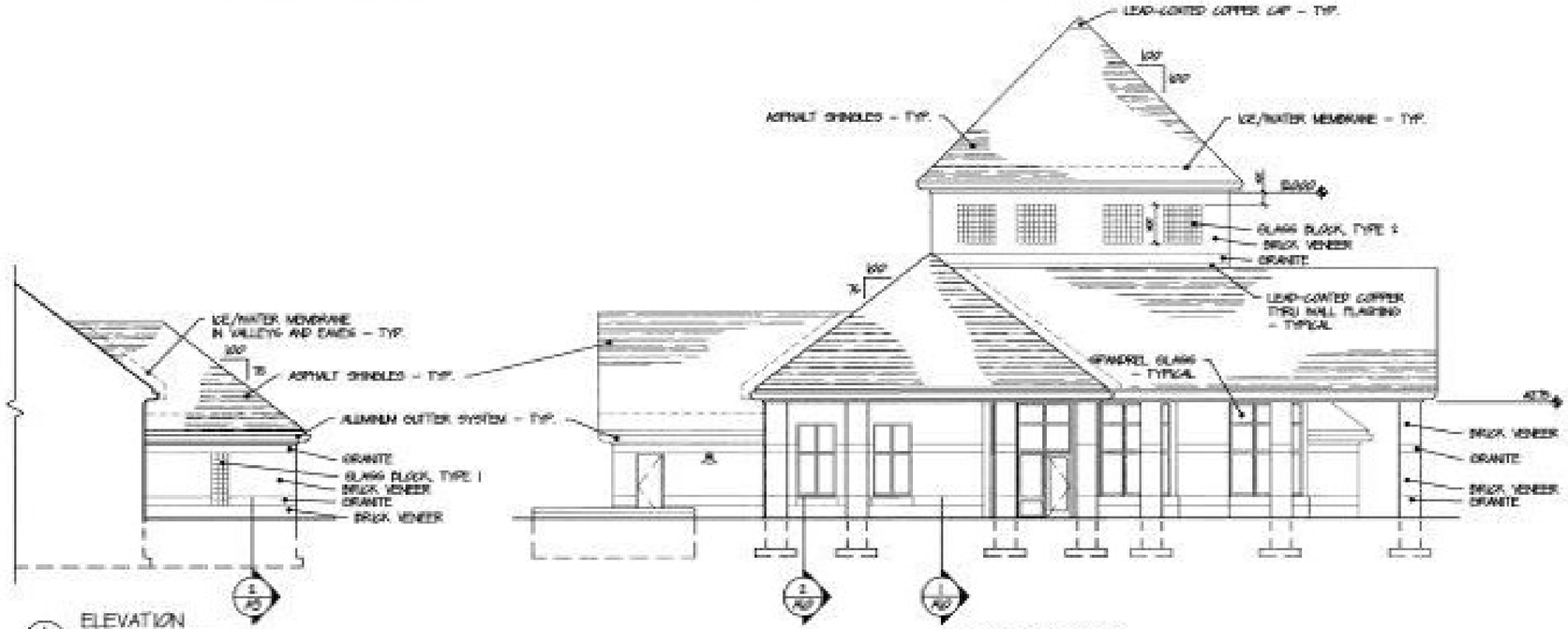
DEPARTMENT OF TRANSPORTATION

INTERIOR DIMENSIONS/FINISHES

A4



LEAD-COATED COPPER CAP - TYP.
ASPHALT SHINGLES - TYP.
ICE/WATER MEMBRANE - TYP.
ALUMINUM FASCIA SYSTEM
GLASS BLOCK, TYPE 3
BRICK VENEER
GRANITE
BRICK VENEER
GLASS BLOCK, TYPE 2
ALUMINUM FASCIA ASSEMBLY
ASPHALT SHINGLES - TYP.
GRANITE
ALUMINUM GUTTER ASSEMBLY
LOUVER
GLASS BLOCK TYPE 2
ICE/WATER MEMBRANE - TYP. EAVES & VALLEYS
GLASS BLOCK TYPE 2
ALUMINUM GUTTER ASSEMBLY - TYP.
BRICK VENEER
CONTROL JT.
WALL MOUNTED LIGHTS - TYP.
GLASS BLOCK TYPE 1
GRANITE
PAINTED HOLLOW METAL DOOR & FRAME - TYP.
WOOD WINDOW - TYP.
CONCRETE STAIRS
WEST ELEVATION
1 = 100 mm
STEPFLASHING TYPICAL
SPANDREL GLASS
BRICK VENEER
WOOD STOREFRONT ASSEMBLY TYPICAL
GRANITE
BRICK
INSULATED GLASS - TYP.
ELEVATION
1 = 100 mm
LEAD-COATED COPPER CAP - TYP.
ASPHALT SHINGLES - TYP.
ICE/WATER MEMBRANE - TYP.
ALUMINUM FASCIA SYSTEM
GLASS BLOCK, TYPE 2
BRICK VENEER
GRANITE
BRICK VENEER
SIMILAR
GRANITE
FLAGPOLE
ASPHALT SHINGLES - TYPICAL
ALUMINUM GUTTER ASSEMBLY - TYP.
ALUMINUM FASCIA SYSTEM
PORTSMOUTH
L.C. COPPER STEP FLASHING TYPICAL
SPANDREL GLASS
WOOD WINDOW
GRANITE SIGN
WOOD STOREFRONT ASSEMBLY
LIGHT POLE TYP.
TYPICAL PLANTER
BRICK PLANTERS W/ GRANITE CAP - TYP.
GRANITE
GLASS BLOCK, TYPE 1
BRICK VENEER
FINISH FLOOR
GRANITE BRICK
GRANITE SILL - TYPICAL
NORTH ELEVATION
1 = 100 mm
STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS
PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUILDING ELEVATIONS
A5

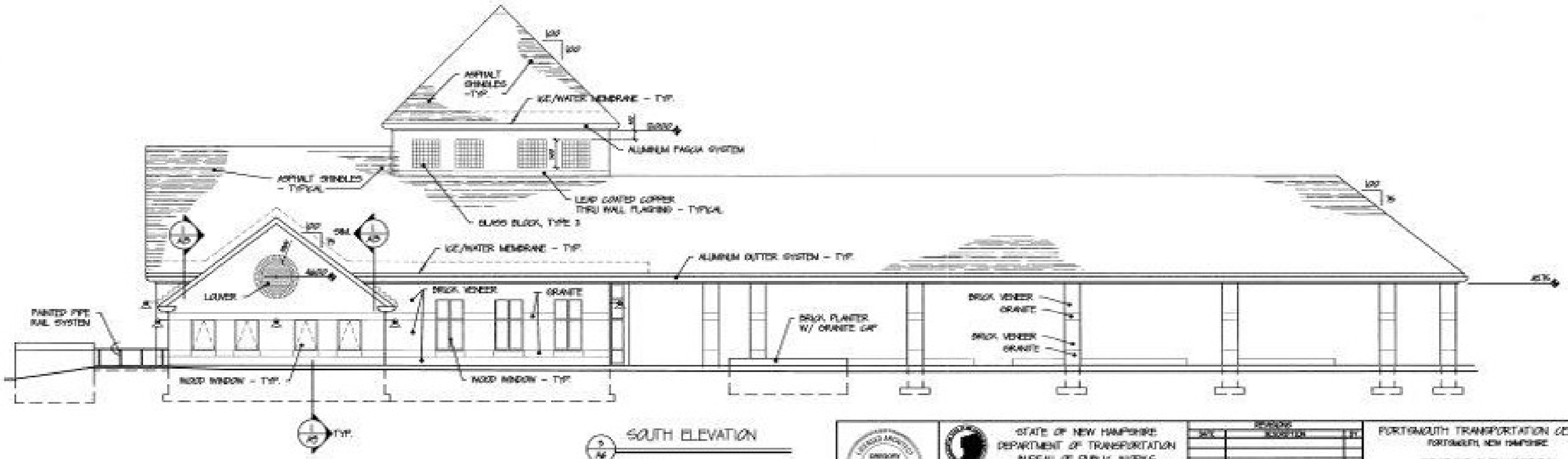


ELEVATION

1 = 100 mm

EAST ELEVATION

1 = 100 mm



SOUTH ELEVATION

1 = 100 mm

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS

JOHN O. MORTON BUILDING
HAZEN DRIVE, BOX 483, ROOM 5
CONCORD, NEW HAMPSHIRE 03302-0483
(603) 271-1556 FAX/603 271-3914

DATE	REVISIONS DESCRIPTION	BY

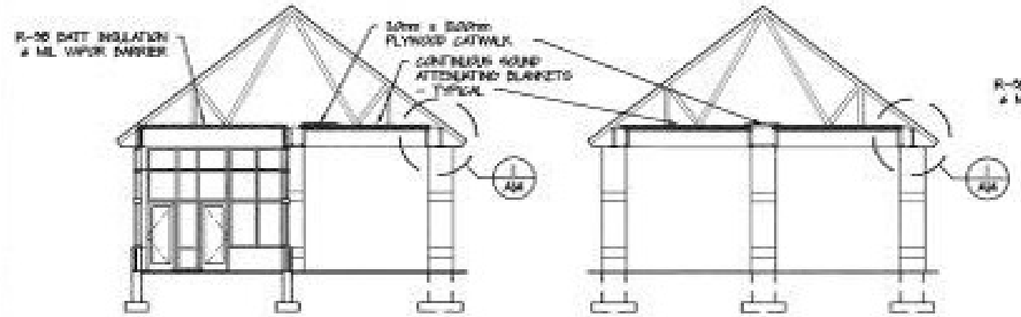
PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION

BUILDING ELEVATIONS

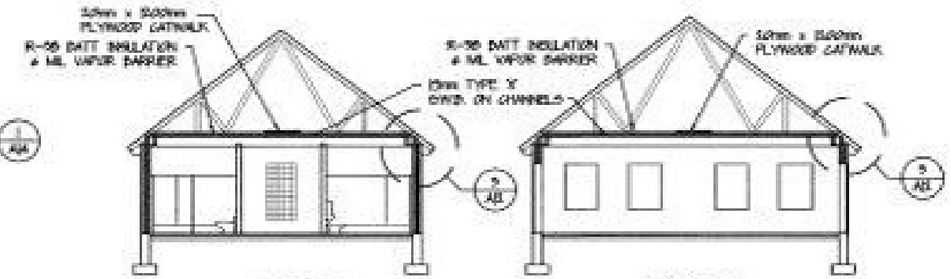
A6

ELEVATIONS 9-18-98 4:28:52 PM EST



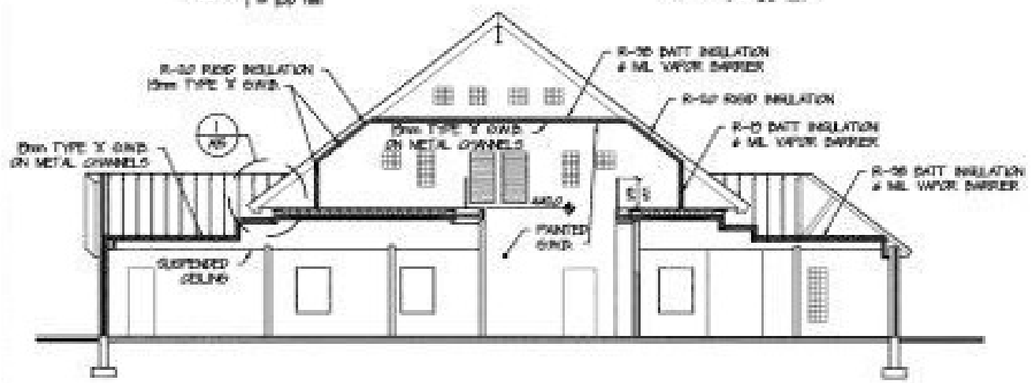
SECTION
1 = 100 mm

SECTION
1 = 100 mm

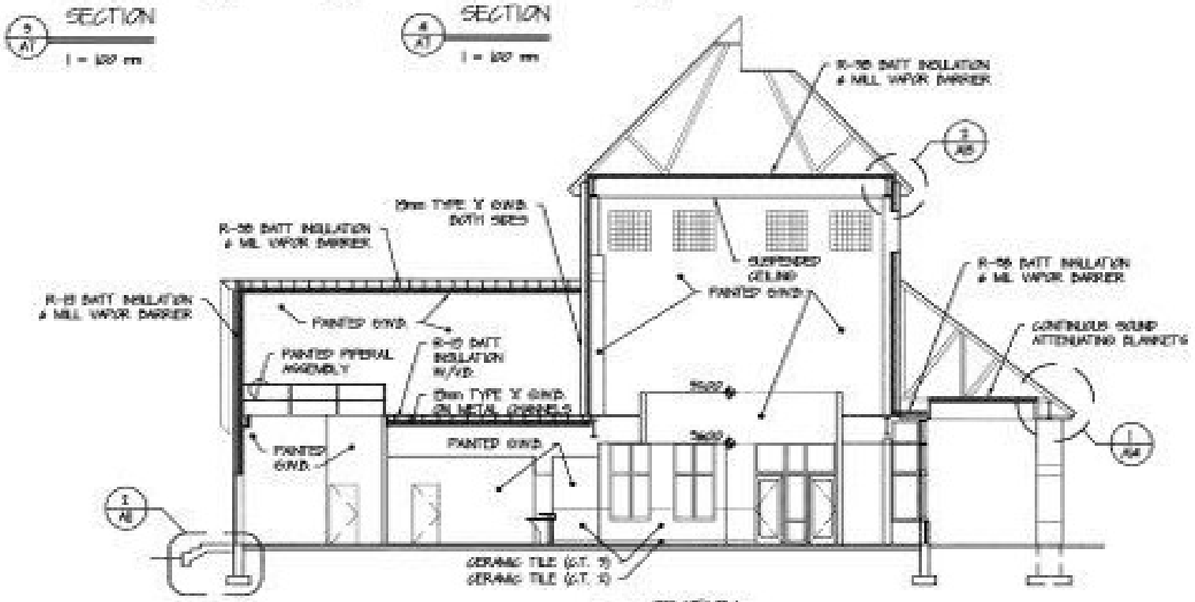


SECTION
1 = 100 mm

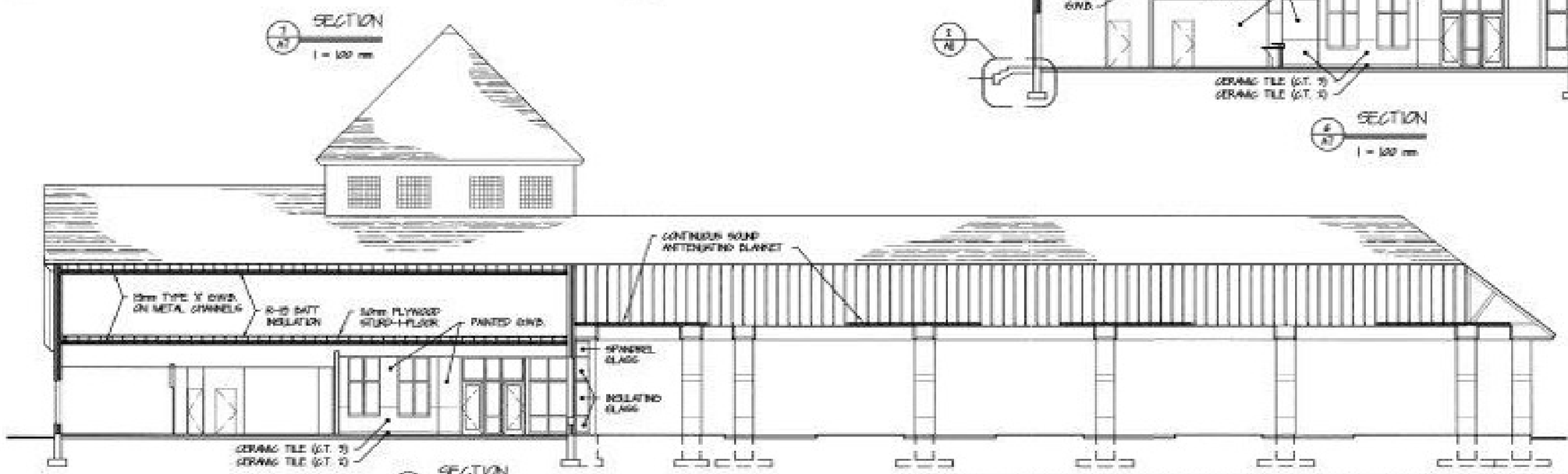
SECTION
1 = 100 mm



SECTION
1 = 100 mm



SECTION
1 = 100 mm



SECTION
1 = 100 mm

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS

JOHN O. MORTON BUILDING
HAZEN DRIVE PO BOX 483 MAIL CODE 5
CONCORD, NEW HAMPSHIRE 03302-0483
(603) 271-2326 FACSIMILE (603) 271-3914

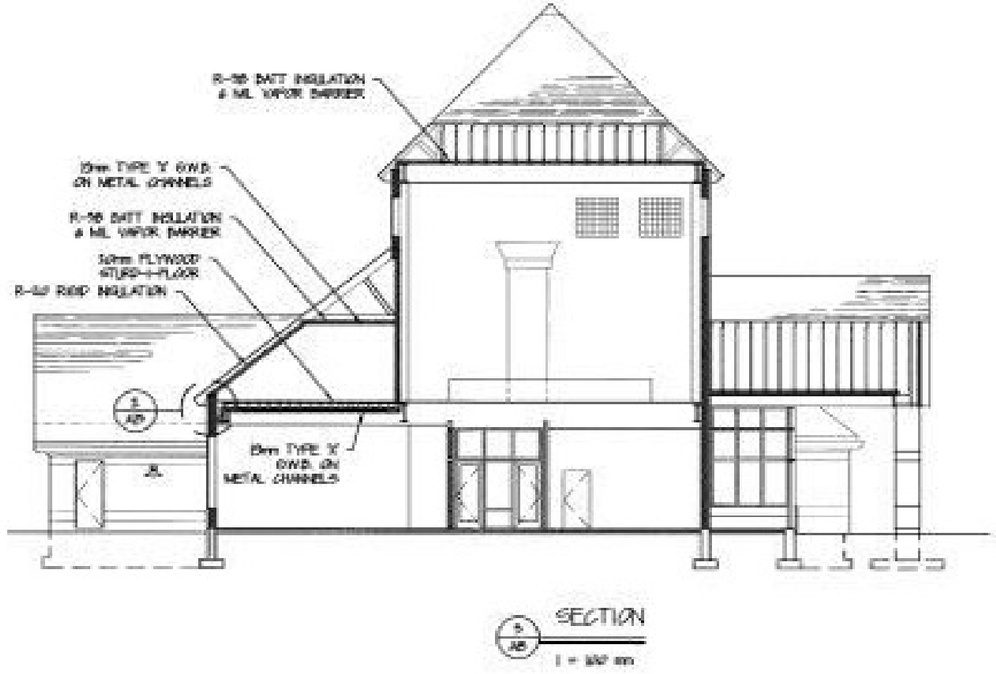
REVISIONS		
DATE	DESCRIPTION	BY

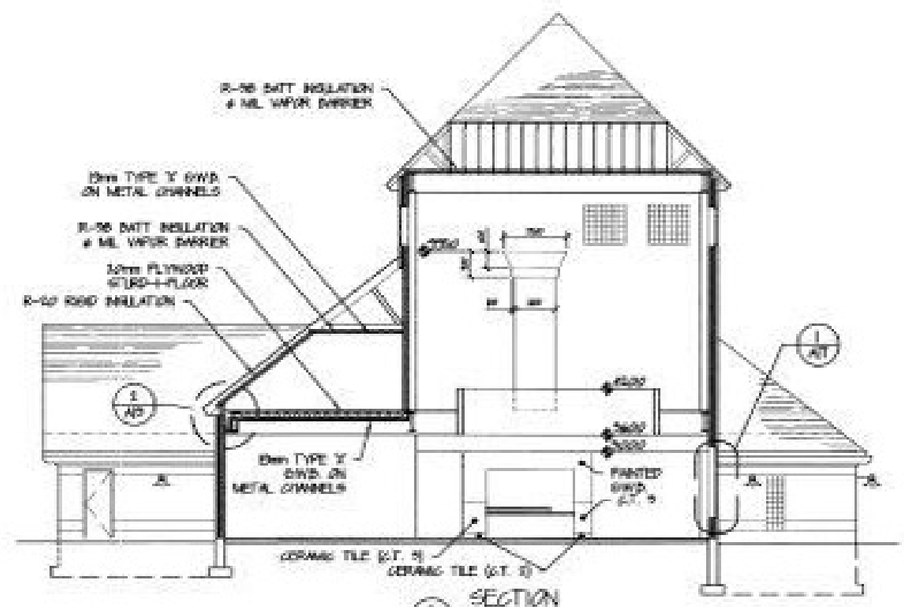
PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE

DEPARTMENT OF TRANSPORTATION

BUILDING SECTIONS

DRAWN BY: JMB
SCALE: AS NOTED
DATE: 3/17/08
PROJECT No. 16931
Rev. 2/07
A7
SHEET 18 OF 18





STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS

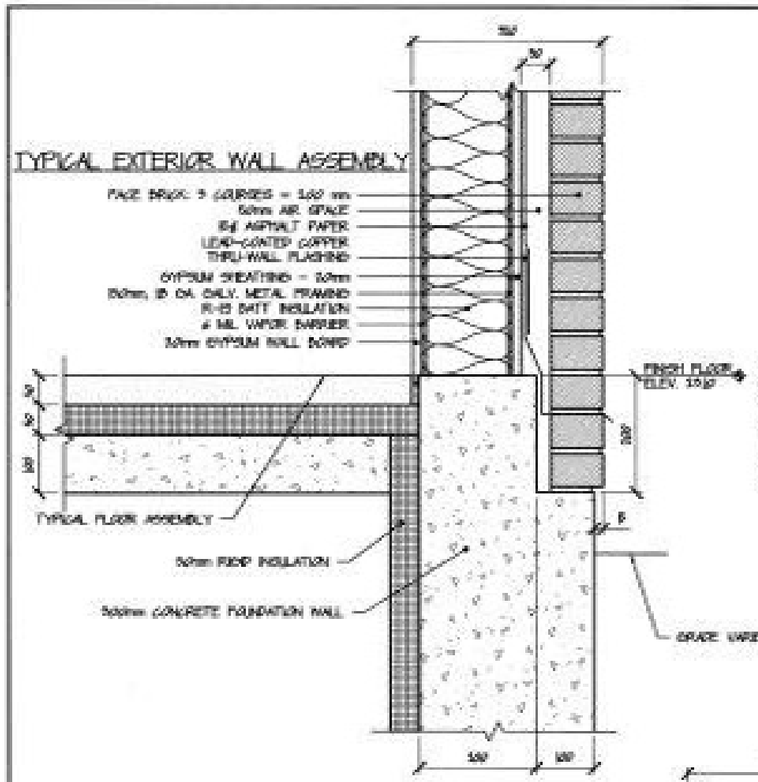
REVISIONS

DATE	DESCRIPTION	BY

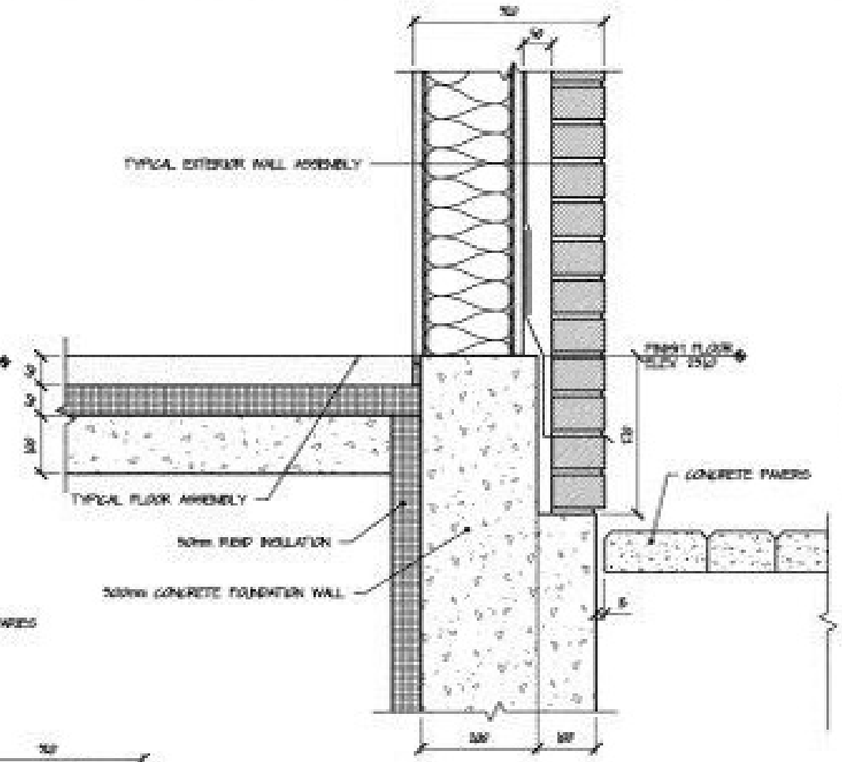
PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

BUILDING SECTIONS

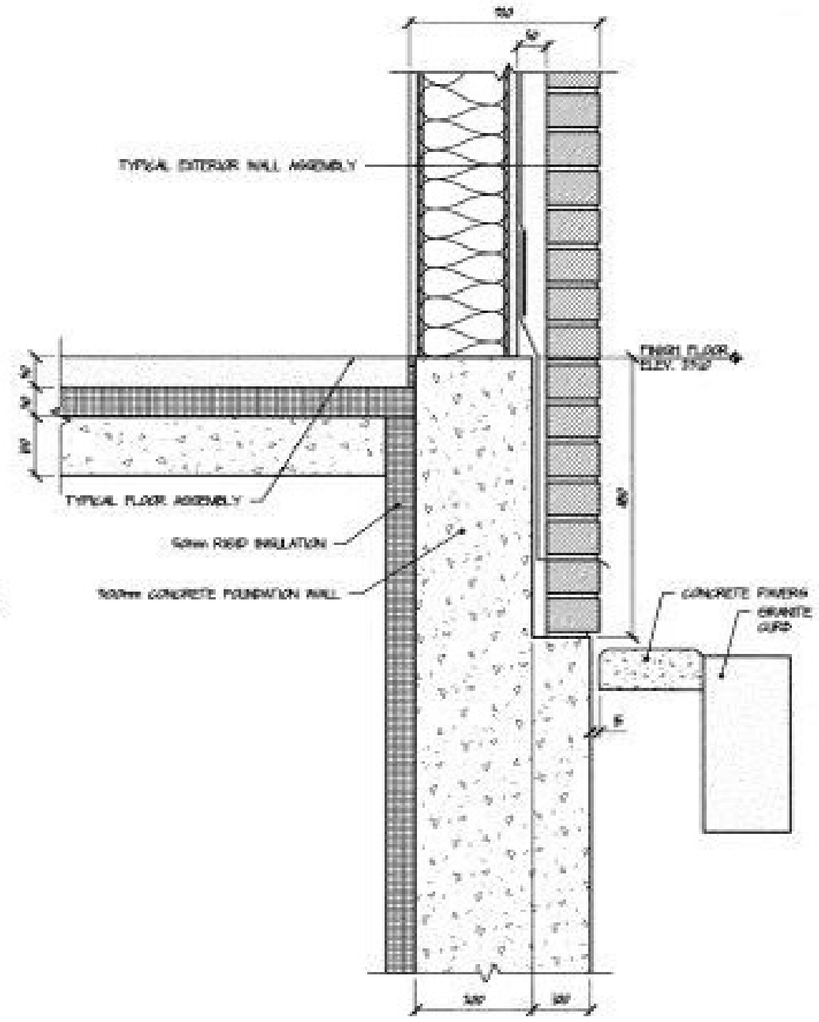
A8



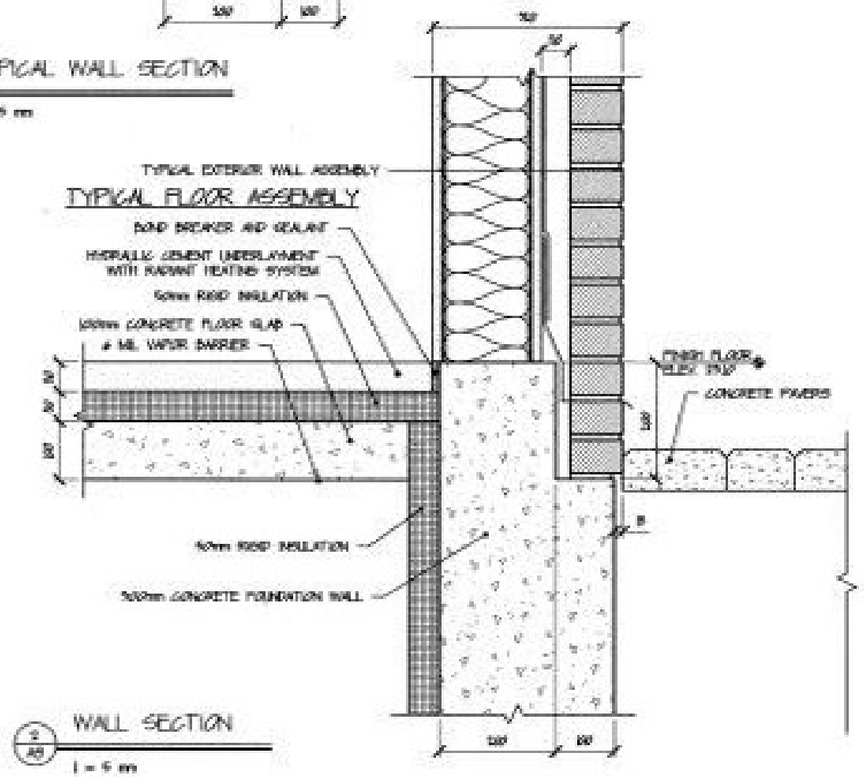
TYPICAL WALL SECTION
1 = 5 mm



WALL SECTION
1 = 5 mm



WALL SECTION
1 = 5 mm



WALL SECTION
1 = 5 mm

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS

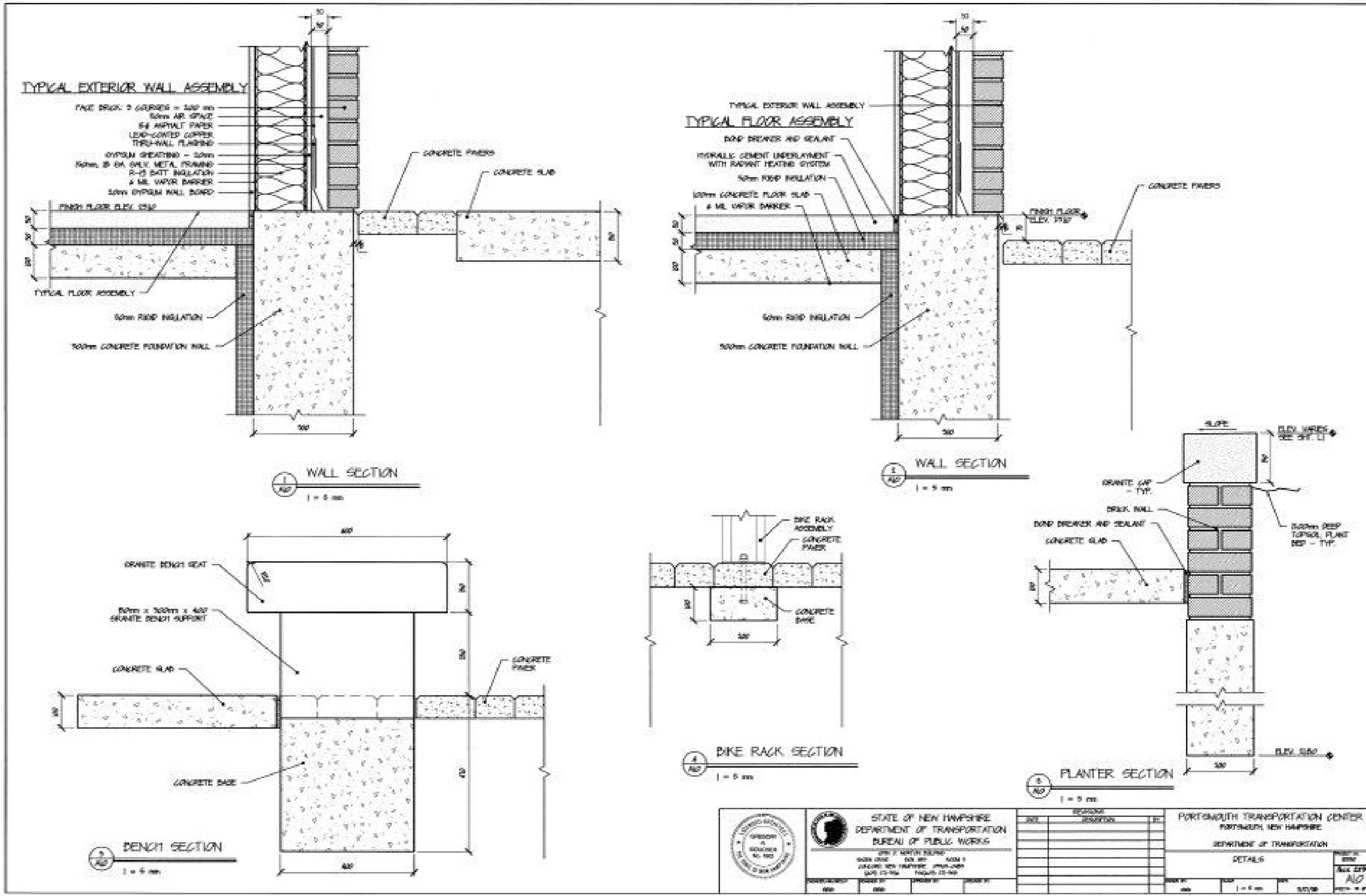
DATE	DESCRIPTION	BY

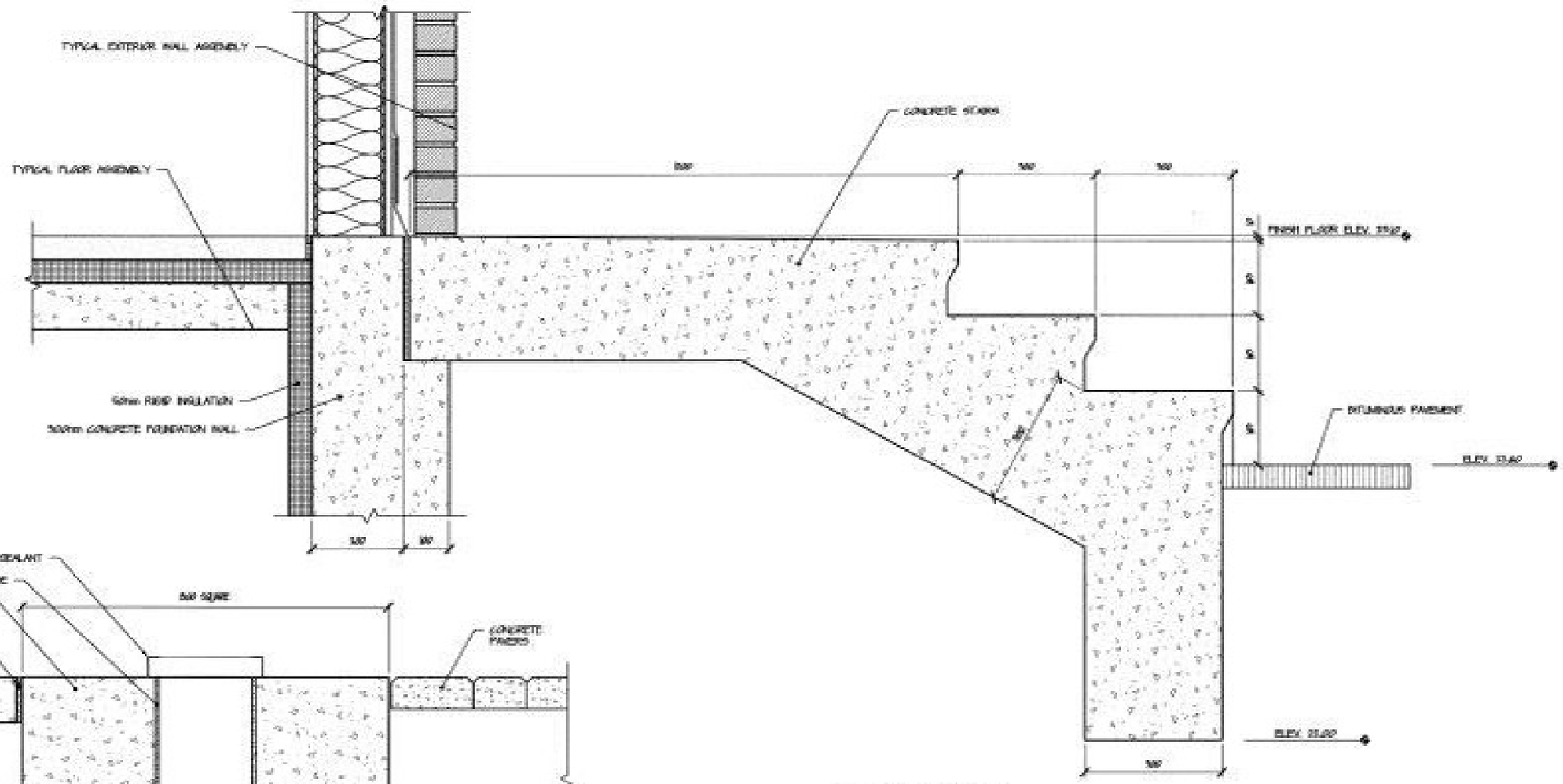
PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

DETAILS

1 = 5 mm

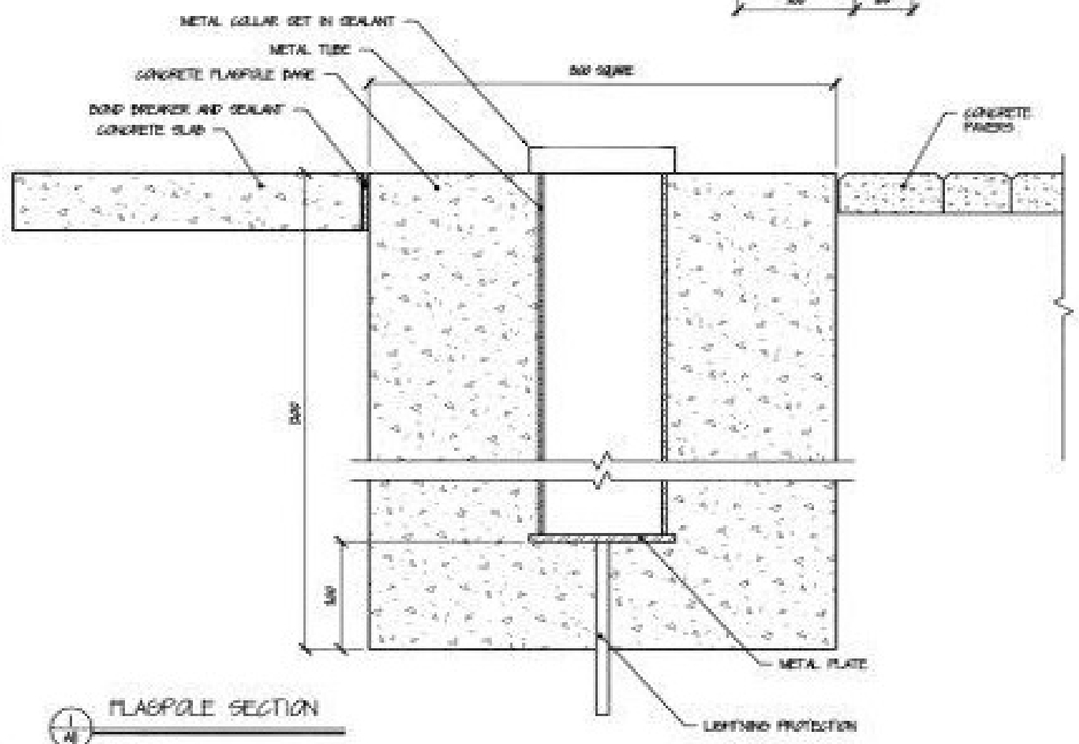
A9


TYPICAL EXTERIOR WALL ASSEMBLY
FACE BRICK: 3 COURSES = 200 mm
50mm AIR SPACE
5# ASPHALT PAPER
LEAD-COATED COPPER
THRU-WALL FLASHING
GYPSUM SHEATHING - 20mm
50mm, 16 GA. GALV. METAL FRAMING
R-13 BATT INSULATION
6 MIL VAPOR BARRIER
20mm GYPSUM WALL BOARD
FINISH FLOOR ELEV. 2510
CONCRETE PAVERS
CONCRETE SLAB
TYPICAL FLOOR ASSEMBLY
50mm RIGID INSULATION
300mm CONCRETE FOUNDATION WALL
WALL SECTION
1 = 5 mm
TYPICAL EXTERIOR WALL ASSEMBLY
TYPICAL FLOOR ASSEMBLY
BOND BREAKER AND SEALANT
HYDRAULIC CEMENT UNDERLAYMENT WITH RADIANT HEATING SYSTEM
50mm RIGID INSULATION
100mm CONCRETE FLOOR SLAB
6 MIL VAPOR BARRIER
FINISH FLOOR ELEV. 2510
CONCRETE PAVERS
50mm RIGID INSULATION
300mm CONCRETE FOUNDATION WALL
WALL SECTION
1 = 5 mm
GRANITE BENCH SEAT
50mm x 300mm x 400 GRANITE BENCH SUPPORT
CONCRETE SLAB
CONCRETE PAVER
CONCRETE BASE
BENCH SECTION
1 = 5 mm
BIKE RACK ASSEMBLY
CONCRETE PAVER
CONCRETE BASE
BIKE RACK SECTION
1 = 5 mm
SLOPE
ELEV. VARIES SEE SHT. L1
GRANITE CAP - TYP.
BRICK WALL
BOND BREAKER AND SEALANT
CONCRETE SLAB
300mm DEEP TOPSOIL PLANT BED - TYP.
ELEV. 2180
PLANTER SECTION
1 = 5 mm
STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS
PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
DETAILS
A10



STAIR SECTION

1 = 5 mm



FLAGPOLE SECTION

1 = 5 mm

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
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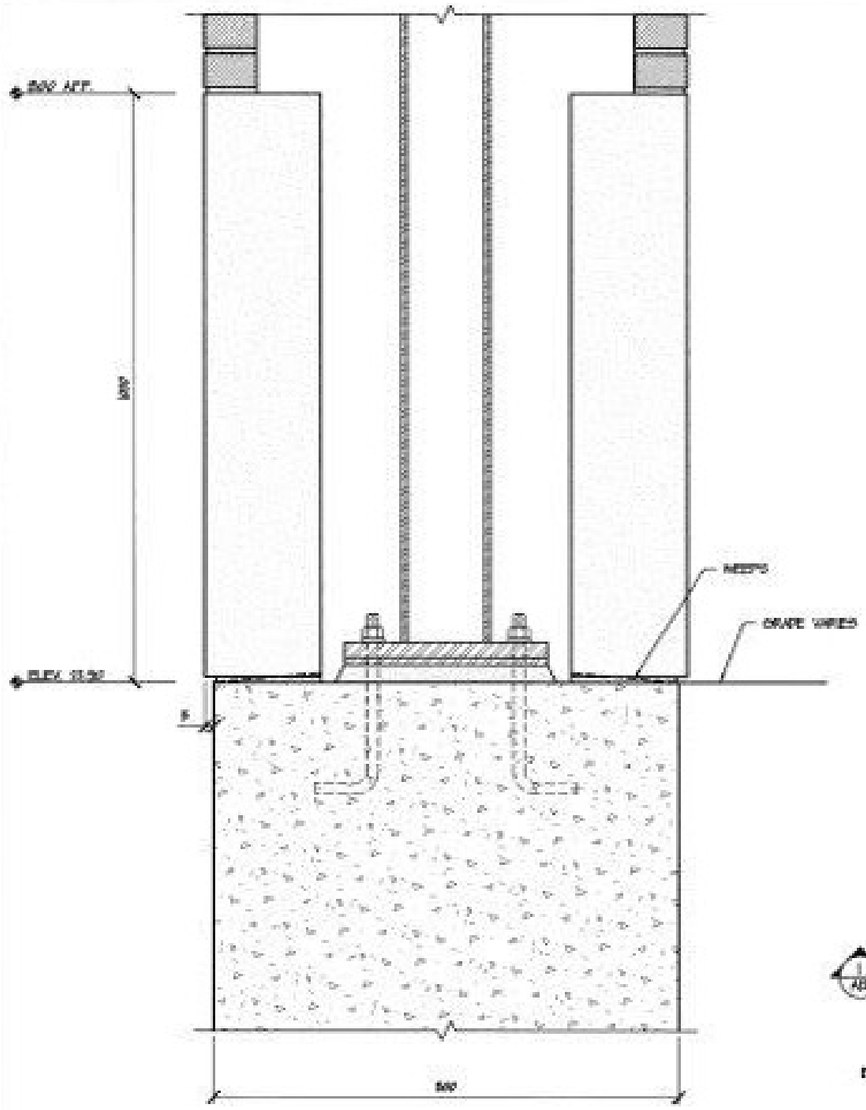
REVISIONS

PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

DETAILS

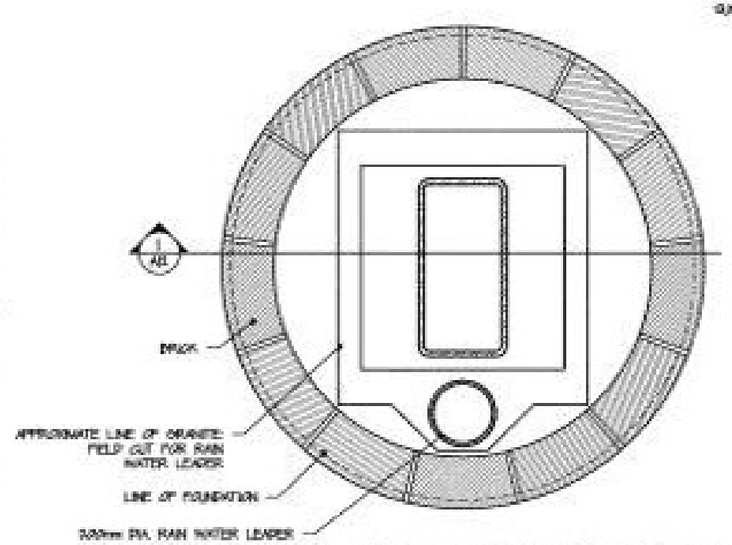
1 = 5 mm

A11



1/A2 CANOPY COLUMN ENCLOSURE: SECTION

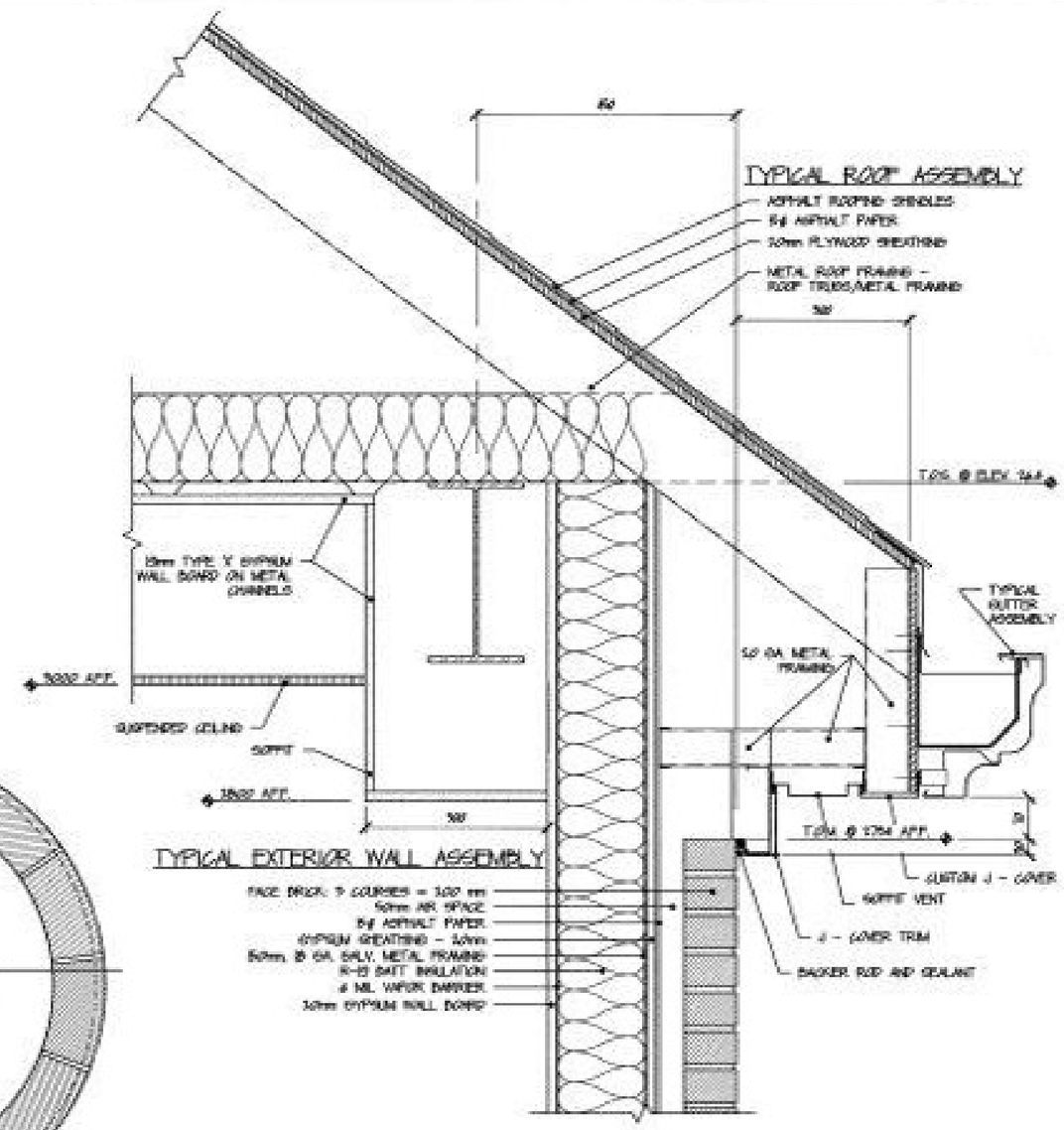
1 = 5 mm



NOTE: PROVIDE NEEPS @ GRANITE/BRICK, 1 PER 30"

2/A2 CANOPY COLUMN ENCLOSURE: PLAN VIEW

1 = 5 mm



2/A2 EAVE SECTION

1 = 5 mm

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
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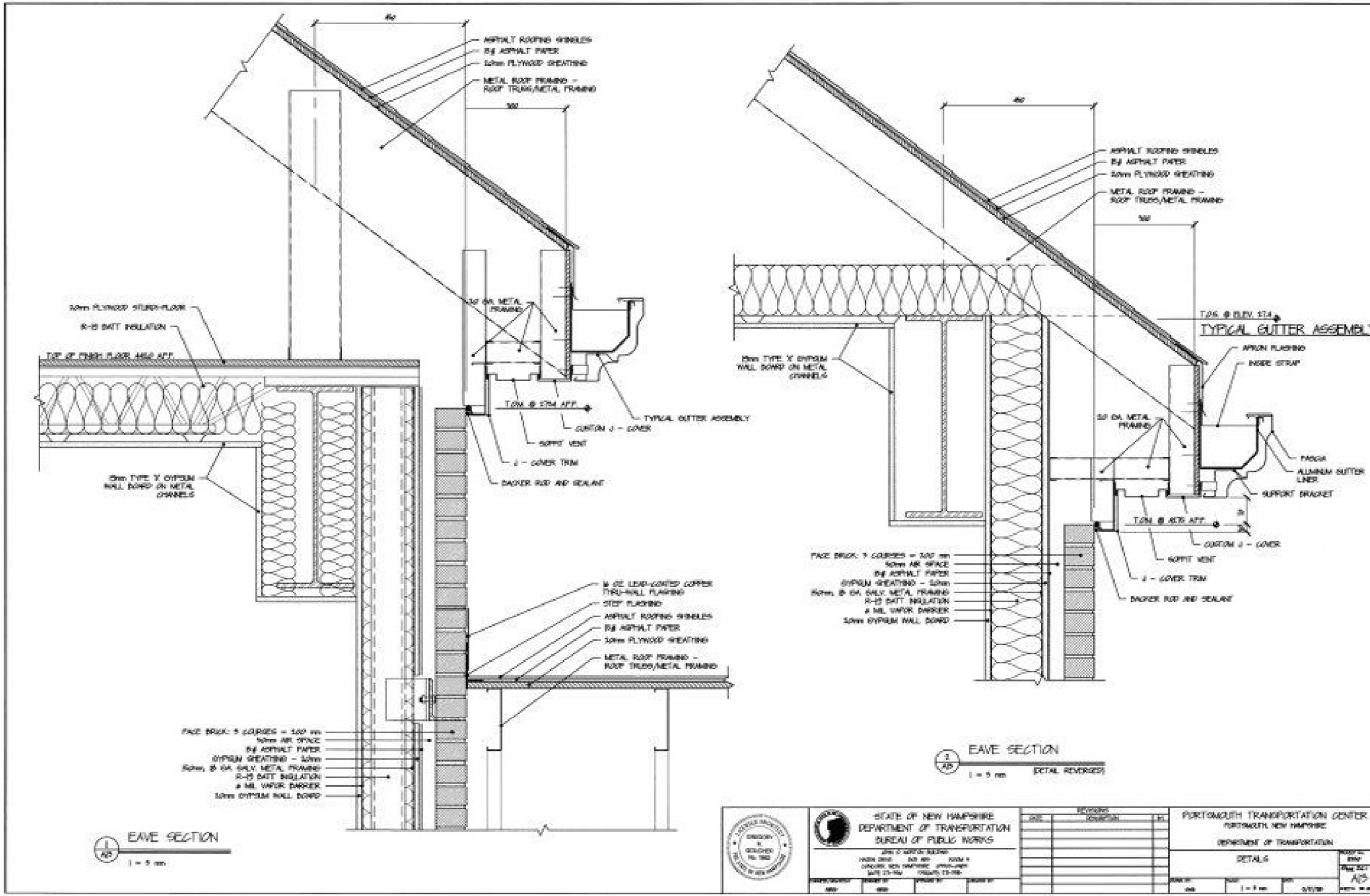
PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

DETAILS

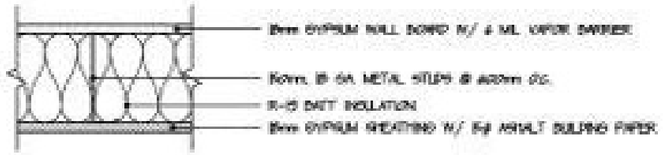
A2



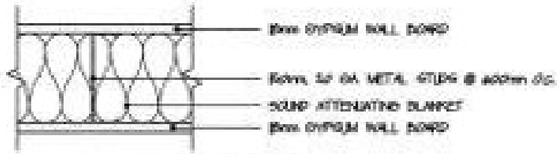
ASPHALT ROOFING SHINGLES
15# ASPHALT PAPER
20mm PLYWOOD SHEATHING
METAL ROOF FRAMING - ROOF TRUSS/METAL FRAMING
20mm PLYWOOD STURDI-FLOOR
R-19 BATT INSULATION
TOP OF FINISH FLOOR 4450 AFF
15mm TYPE 'X' GYPSUM WALL BOARD ON METAL CHANNELS
20 GA. METAL FRAMING
T.O.M. @ 2754 AFF
TYPICAL GUTTER ASSEMBLY
CUSTOM J - COVER
SOFFIT VENT
J - COVER TRIM
BACKER ROD AND SEALANT
16 OZ. LEAD-COATED COPPER THRU-WALL FLASHING
STEP FLASHING
ASPHALT ROOFING SHINGLES
15# ASPHALT PAPER
20mm PLYWOOD SHEATHING
METAL ROOF FRAMING - ROOF TRUSS/METAL FRAMING
FACE BRICK: 5 COURSES = 200 mm
50mm AIR SPACE
15# ASPHALT PAPER
GYPSUM SHEATHING - 20mm
150mm, 18 GA. GALV. METAL FRAMING
R-19 BATT INSULATION
4 MIL VAPOR BARRIER
20mm GYPSUM WALL BOARD
EAVE SECTION
1 = 5 mm
ASPHALT ROOFING SHINGLES
15# ASPHALT PAPER
20mm PLYWOOD SHEATHING
METAL ROOF FRAMING - ROOF TRUSS/METAL FRAMING
T.O.S. @ ELEV. 274
TYPICAL GUTTER ASSEMBLY
15mm TYPE 'X' GYPSUM WALL BOARD ON METAL CHANNELS
APRON FLASHING
INSIDE STRAP
20 GA. METAL FRAMING
FASCIA
ALUMINUM GUTTER LINER
SUPPORT BRACKET
T.O.M. @ 4175 AFF
CUSTOM J - COVER
SOFFIT VENT
J - COVER TRIM
BACKER ROD AND SEALANT
FACE BRICK: 5 COURSES = 200 mm
50mm AIR SPACE
15# ASPHALT PAPER
GYPSUM SHEATHING - 20mm
150mm, 18 GA. GALV. METAL FRAMING
R-19 BATT INSULATION
4 MIL VAPOR BARRIER
20mm GYPSUM WALL BOARD
EAVE SECTION
1 = 5 mm
(DETAIL REVERSED)
STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC WORKS
PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
DETAILS
A15

WALL TYPE 1

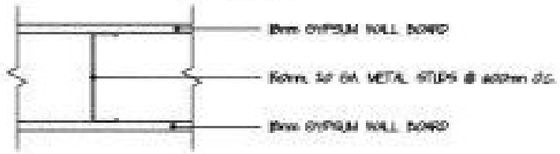
WALL TYPE 1A



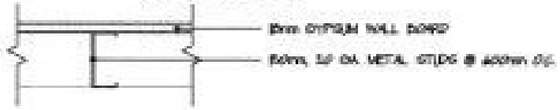
WALL TYPE 2



WALL TYPE 2A

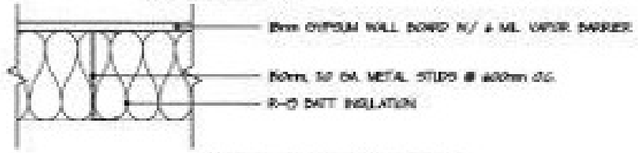


WALL TYPE 3



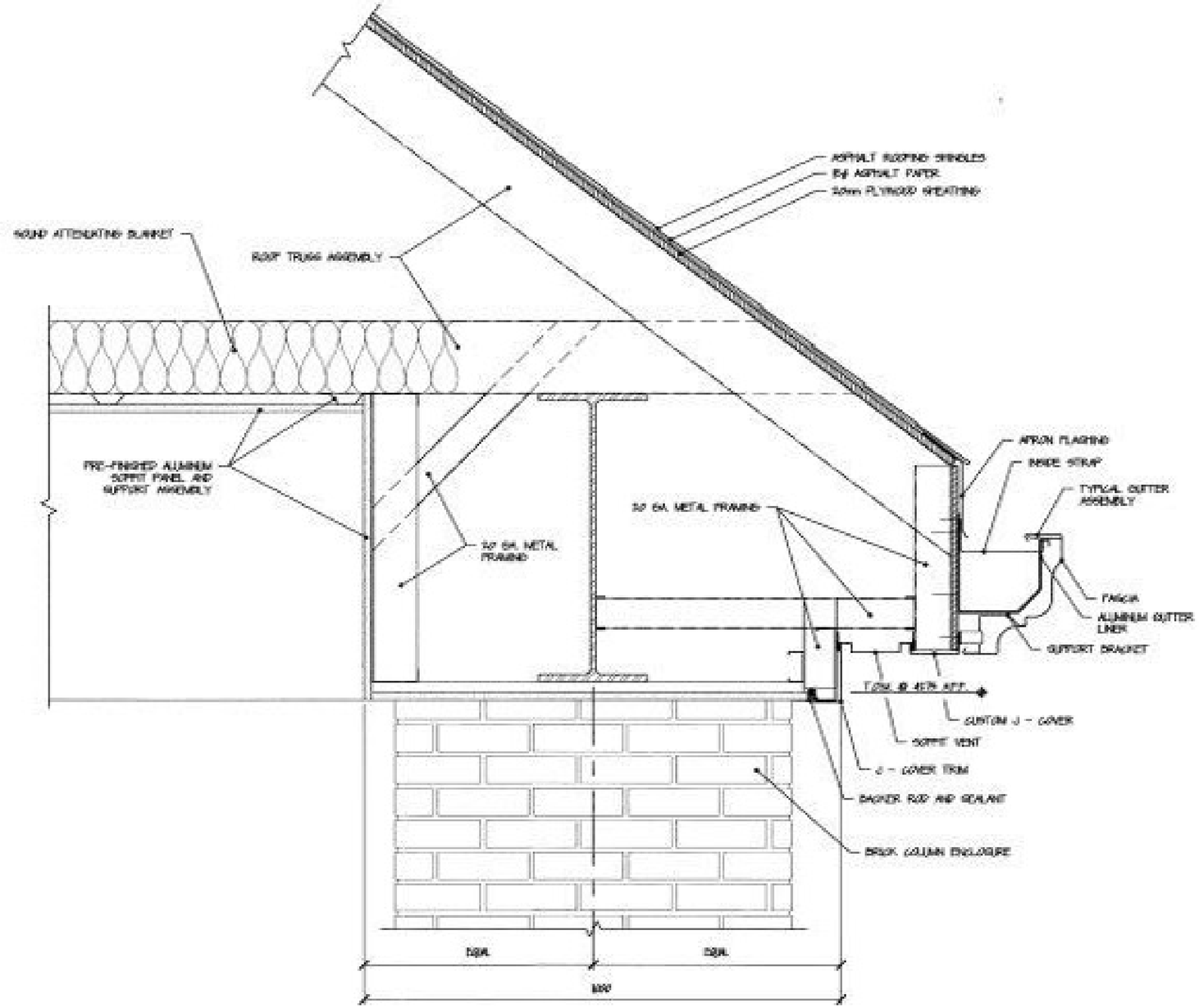
WALL TYPE 4

WALL TYPE 5



WALL TYPE SCHEDULE

NOTE: REFER TO BUILDING SECTION SHEETS A7 AND A8 FOR SPECIFIC LOCATIONS OF 52mm TYPE 'X' GYPSUM WALL BOARD.



1 / A14 EAVE AT CANOPY

1 = 5 mm

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JOHN O. MORTON BUILDING
PO BOX 483 HAZEN DRIVE
CONCORD, NEW HAMPSHIRE 03302-0483
(603) 271-3344 (TRANSPORT 271-3344)

REVISIONS
DATE | DESCRIPTION | BY

PORTSMOUTH TRANSPORTATION CENTER
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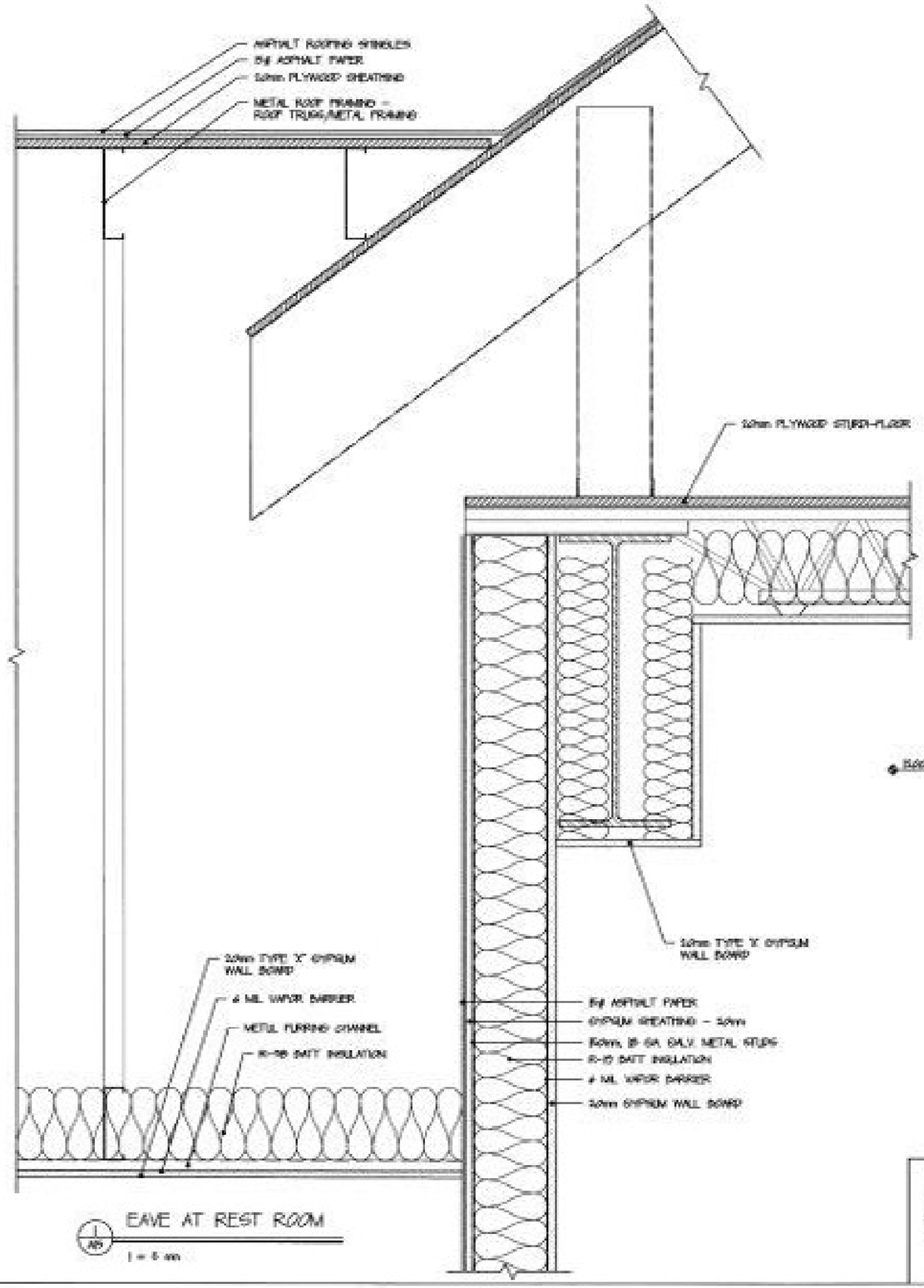
DEPARTMENT OF TRANSPORTATION

DETAILS

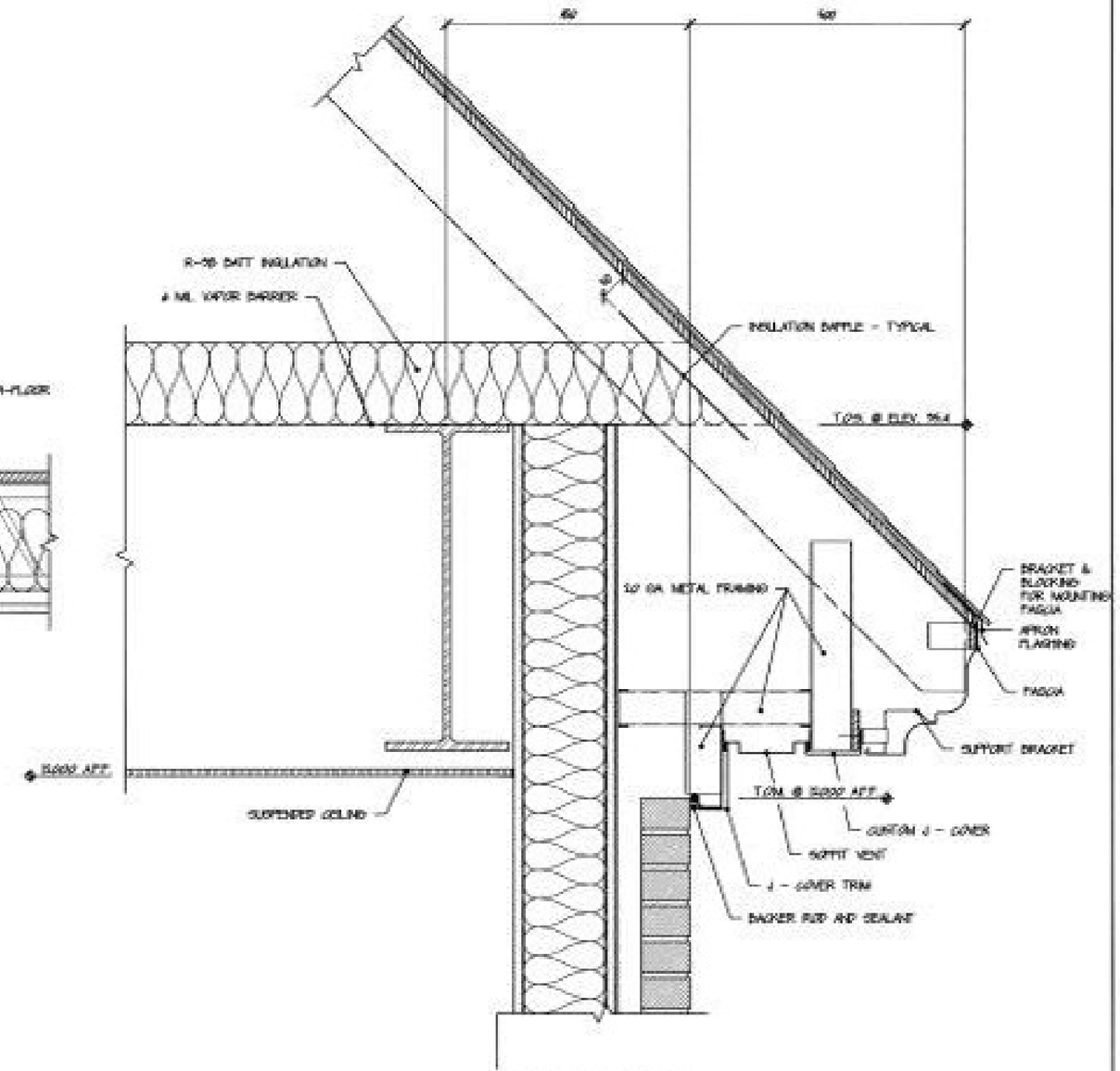
PROJECT NO. 16884
PLAN SHEET A14
SHEET 14 OF 14

DRAWN BY: [illegible] | SCALE: 1 = 5 mm | DATE: 07/07/08



1/A6 EAVE AT REST ROOM

1 = 5 mm



2/A6 EAVE AT TOWER

1 = 5 mm

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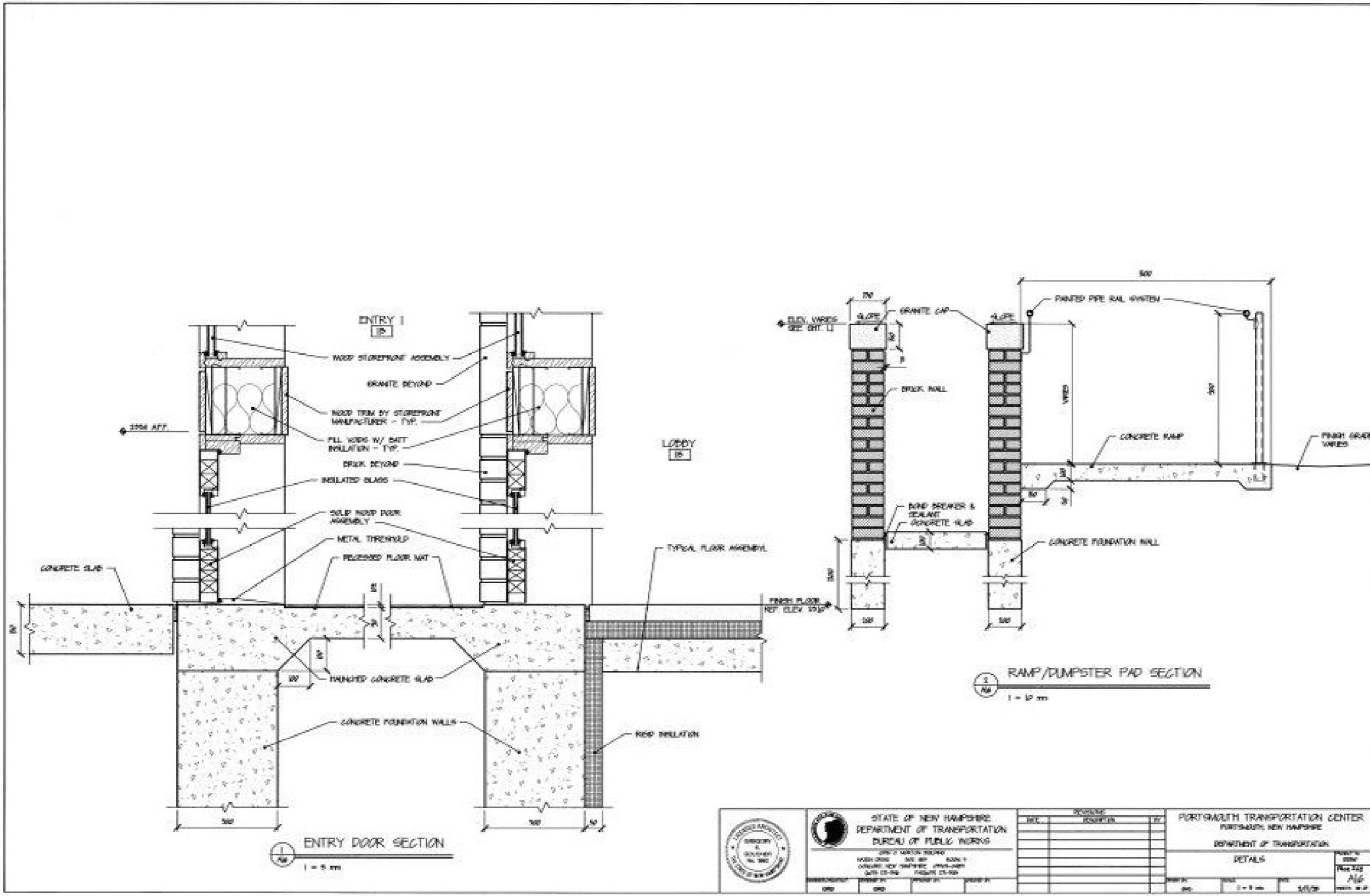
DETAILS

1 = 5 mm

A6


ENTRY 1
WOOD STOREFRONT ASSEMBLY
GRANITE BEYOND
WOOD TRIM BY STOREFRONT MANUFACTURER - TYP.
FILL VOIDS W/ BATT INSULATION - TYP.
BRICK BEYOND
INSULATED GLASS
SOLID WOOD DOOR ASSEMBLY
METAL THRESHOLD
RECESSED FLOOR MAT
CONCRETE SLAB
TYPICAL FLOOR ASSEMBYL
LOBBY
FINISH FLOOR
HAUNCHED CONCRETE SLAB
CONCRETE FOUNDATION WALLS
RIGID INSULATION
ENTRY DOOR SECTION
1 = 5 mm
GRANITE CAP
SLOPE
BRICK WALL
PAINTED PIPE RAIL SYSTEM
CONCRETE RAMP
FINISH GRADE VARIES
BOND BREAKER & SEALANT
CONCRETE SLAB
CONCRETE FOUNDATION WALL
RAMP/DUMPSTER PAD SECTION
1 = 10 mm
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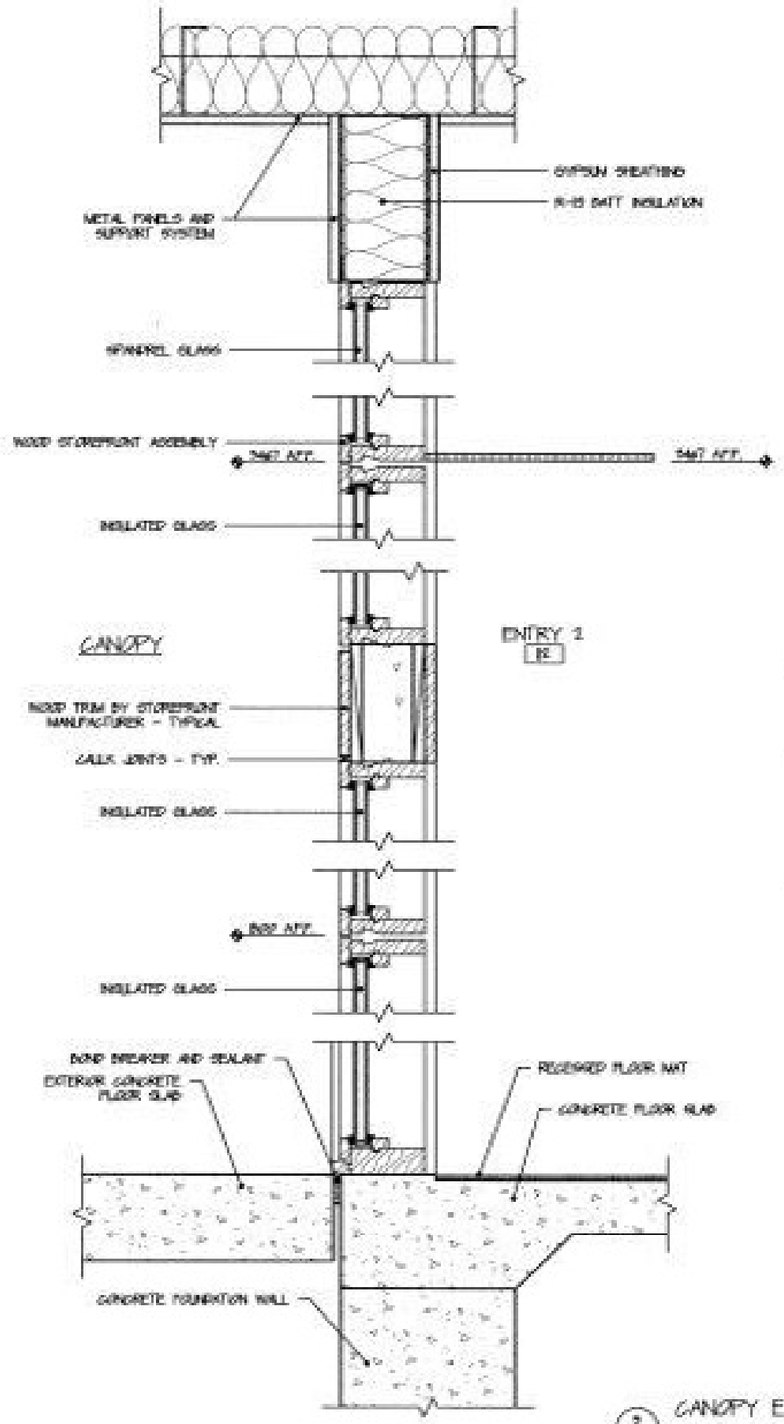
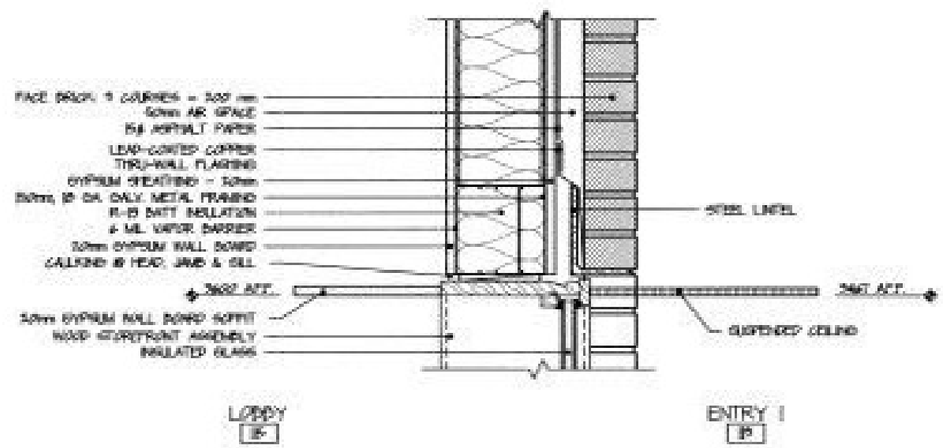
BUREAU OF PUBLIC WORKS
PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
DETAILS
A16



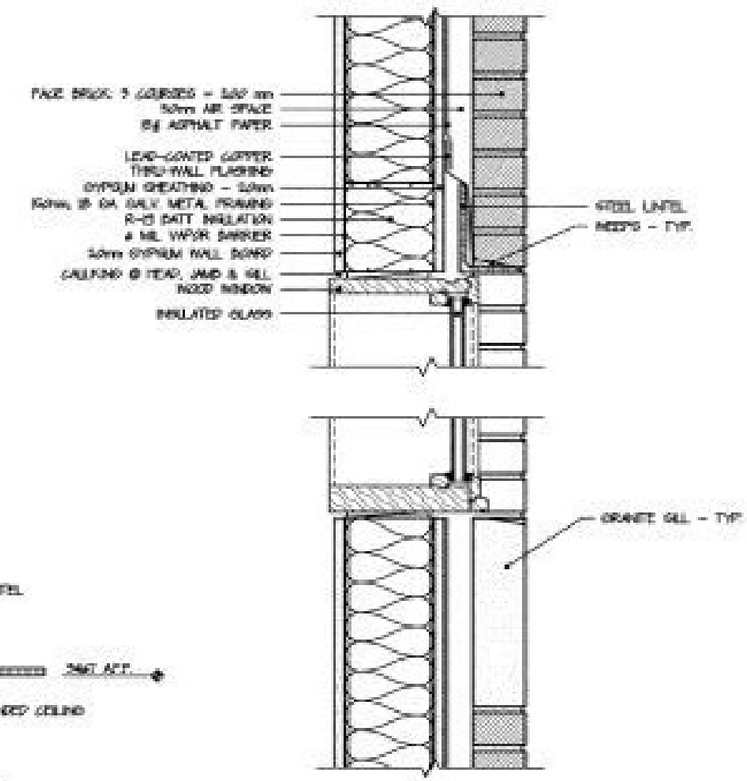
3/A1 CANOPY ENTRY WALL

1 = 5 mm



2/A1 HEAD SECTION AT ENTRY WINDOW

1 = 5 mm



1/A1 TYPICAL WINDOW SECTION

1 = 5 mm

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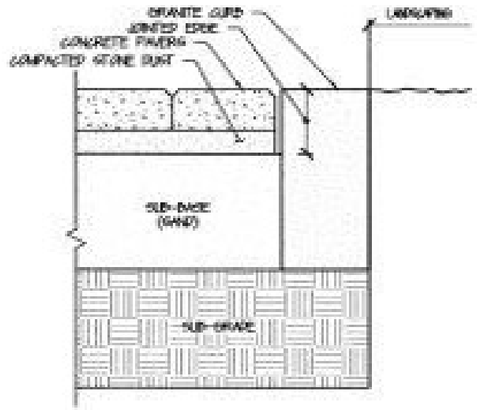
DEPARTMENT OF TRANSPORTATION

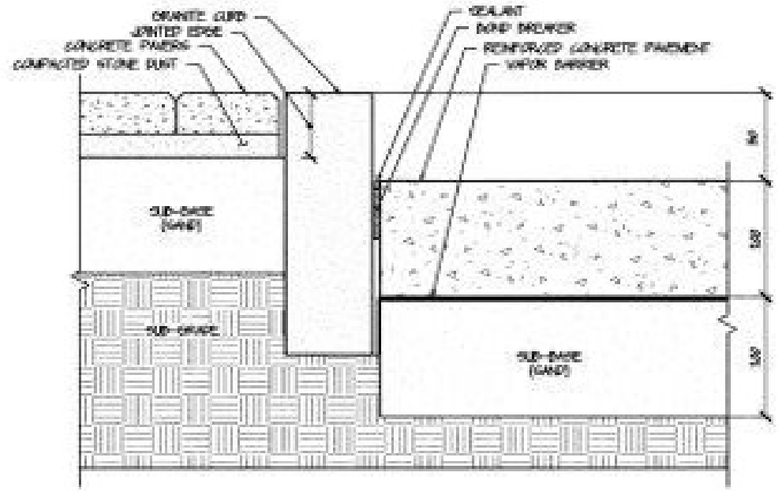
DETAILS

A1.7



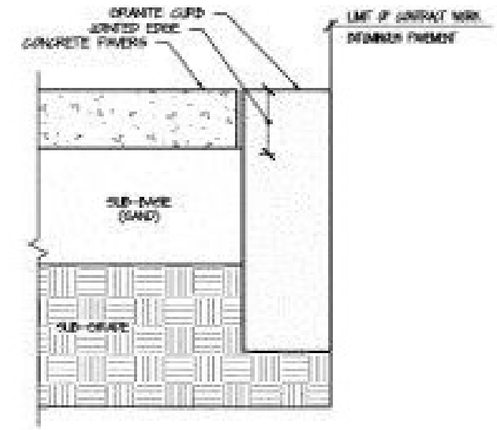
1/A15 LANDSCAPING EDGE

1 = 6 mm



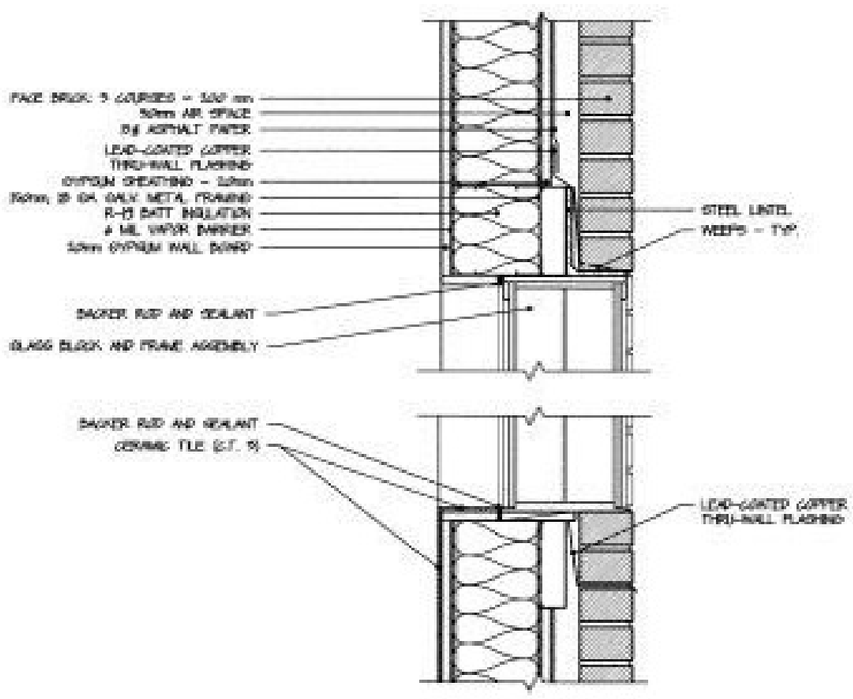
2/A15 CURB AT CONCRETE REINFORCED PAVEMENT

1 = 6 mm



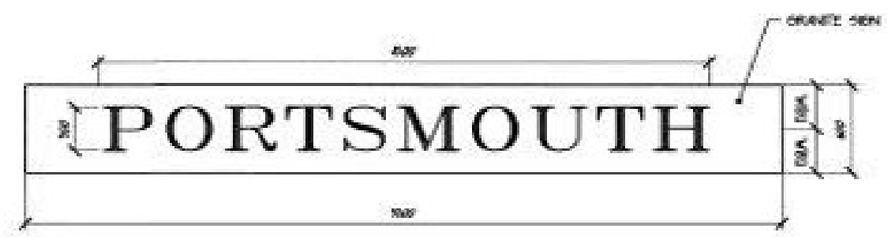
3/A15 CURB AT CONCRETE WALK/LIMITS OF WORK

1 = 6 mm



4/A15 GLASS BLOCK AT TOILETS

1 = 5 mm



5/A15 ENTRANCE SIGN ELEVATION

1 = 10 mm

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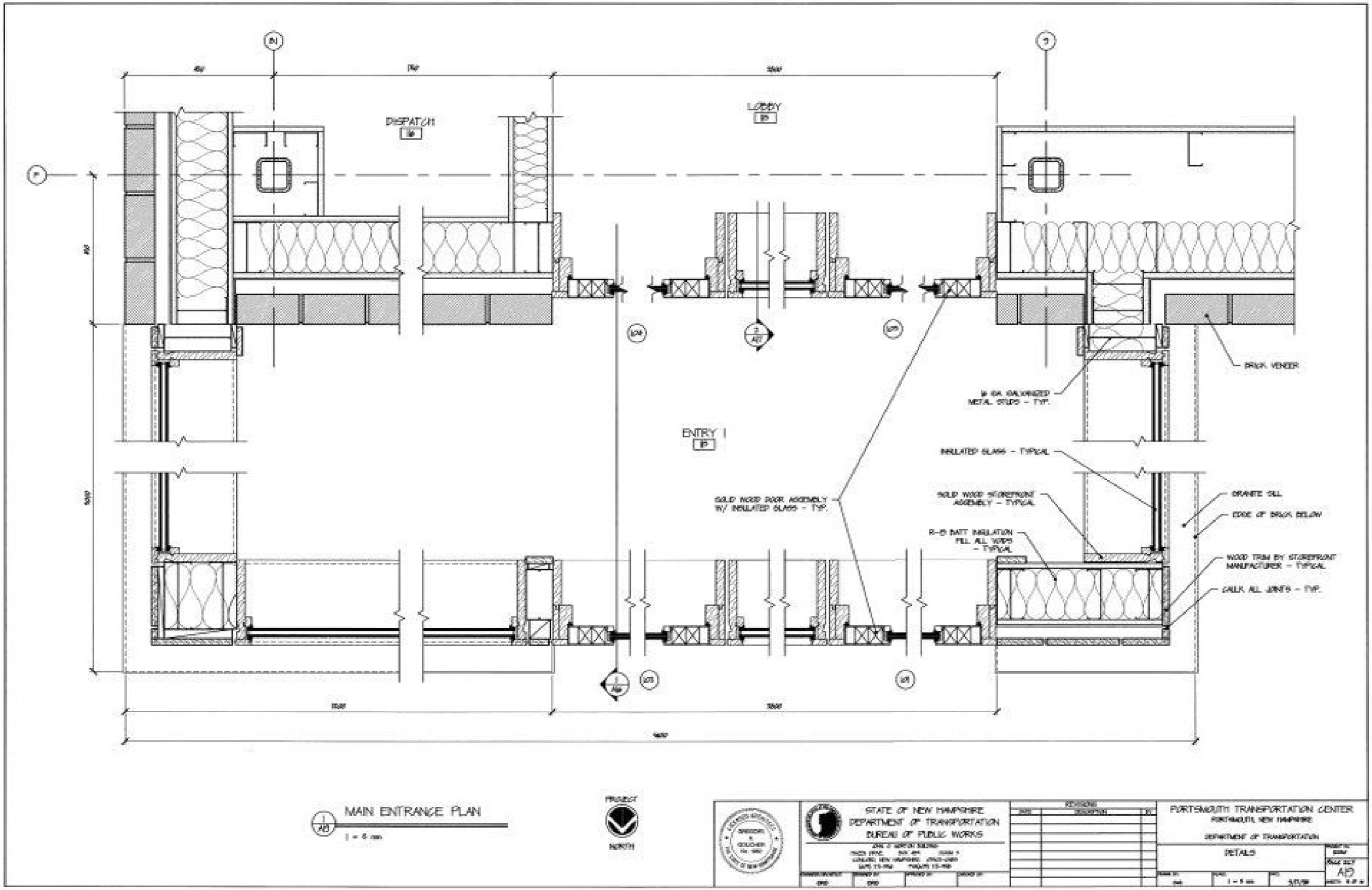
DETAILS

Sheet No. A15

1 = 5 mm


DISPATCH
LOBBY
ENTRY 1
BRICK VENEER
16 GA GALVANIZED METAL STUDS - TYP.
INSULATED GLASS - TYPICAL
SOLID WOOD STOREFRONT ASSEMBLY - TYPICAL
SOLID WOOD DOOR ASSEMBLY W/ INSULATED GLASS - TYP.
R-19 BATT INSULATION FILL ALL VOIDS - TYPICAL
GRANITE SILL
EDGE OF BRICK BELOW
WOOD TRIM BY STOREFRONT MANUFACTURER - TYPICAL
CAULK ALL JOINTS - TYP.
MAIN ENTRANCE PLAN
1 = 6 mm
PROJECT NORTH
STATE OF NEW HAMPSHIRE
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PORTSMOUTH TRANSPORTATION CENTER
PORTSMOUTH, NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
DETAILS
A19