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DIAGRAM

TENDER # 92-43

MILL/COURTLAND COMMUNITY CENTRE

SET No.

Date Issued:

NOTES:

- BUILDING AREA = 727.27 SM (7824.28 SF).
- CLASSIFICATION OF BUILDING USE = A2 AND CONSTRUCTION TO CONFORM TO O.B.C. 3.2.2.19.
- TREES, HYDRO POLES, CATCH BASINS AND MANHOLES SHOWN ON DRAWINGS ARE EXISTING.
- REFER TO LANDSCAPE DRAWINGS FOR EXISTING TREES TO BE REMOVED.
- LOCATE PROPOSED BUILDING 33m 14' 15" EAST OF NORTH.
- SITE PREPARATION - BUILDING AREA
 - EXCAVATE BUILDING AREA TO FOUNDING LEVELS SHOWN IN THE SOILS INVESTIGATION REPORT. AREA OF EXCAVATION SHALL BE LIMITED TO 1500 MM OUTSIDE BUILDING AT FOUNDING LEVEL.
 - DEPTH OF EXCAVATION OVER BUILDING AREA WILL BE BASED ON LINEAR INTERPRETATION BETWEEN LEVELS UNLESS NOTED OTHERWISE.
 - ANY ADDITIONAL DEPTHS REQUIRED WILL BE BASED ON CALCULATIONS OBTAINED BY SURVEYING FINAL GRADES IN EXCAVATION.
 - REPRESENTATIVE FROM SOIL TESTING FIRM SHALL BE ON SITE DURING EXCAVATION.
 - STOP EXCAVATION WHEN SUITABLE SOIL ENCOUNTERED.
 - PROOF ROLL SUB-GRADE BEFORE BACKFILLING COMMENCES.
 - SUB-GRADE TO BE VERIFIED BY THE SOILS ENGINEER.
- STOCKPILE TOPSOIL ON SITE.
- EXISTING PORTABLE BUILDING SHALL BE UTILIZED BY THE OWNER DURING CONSTRUCTION. WORK REQUIRED IN THIS AREA IS TO BE SCHEDULED NEAR THE END OF THE CONSTRUCTION PERIOD. UNDERGROUND SERVICES (LOCATED NORTH-WEST OF EXISTING BUILDING) REQUIRED TO BE INSTALLED DURING EARLY STAGES OF CONSTRUCTION SHALL BE SCHEDULED AND CARRIED OUT IN SUCH A WAY AS TO MINIMIZE THE LENGTH OF DISRUPTION TO THE EXISTING MILL STREET ENTRANCE. IF DISRUPTION OF THE EXISTING HANDICAP RAMP (ADJACENT TO EXISTING BUILDING) IS NECESSARY, THE CONTRACTOR SHALL REINSTATE TO ITS ORIGINAL CONDITION FOR USE UNTIL ITS REMOVAL BY OWNER.
- SEE LANDSCAPE DRAWING FOR LOCATION OF 1.2M WIDE SPLASH STRIP (INTERLOCKING PAVERS) IN SOME LOCATIONS AROUND PERIMETER OF BUILDING.
- ALL GRADE LEVELS AT DOORS TO AND FROM THE BUILDING ARE TO SLOPE UP TO LEVEL OF FLOOR SLAB FOR HC ACCESSIBILITY.
- PROVIDE "HEAVY DUTY" ASPHALT AS PER SPECIFICATIONS ALONG PATH OF TRAVEL FROM MILL STREET ENTRANCE TO GARBAGE ENCLOSURE.
- LOT AREA = 7450.8 SQ.M.
- PARKING REQUIRED = 41.
- PARKING PROPOSED = 38.

TOPOGRAPHICAL SURVEY

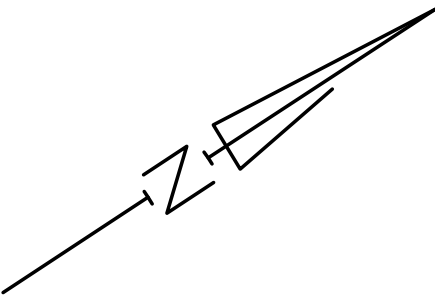
OF PART OF LOTS 2, 3, AND 4, REGISTERED PLAN 366

CITY OF KITCHENER

REGIONAL MUNICIPALITY OF WATERLOO

SCALE = 1 : 300

METRIC - DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.



KEY PLAN - NOT TO SCALE

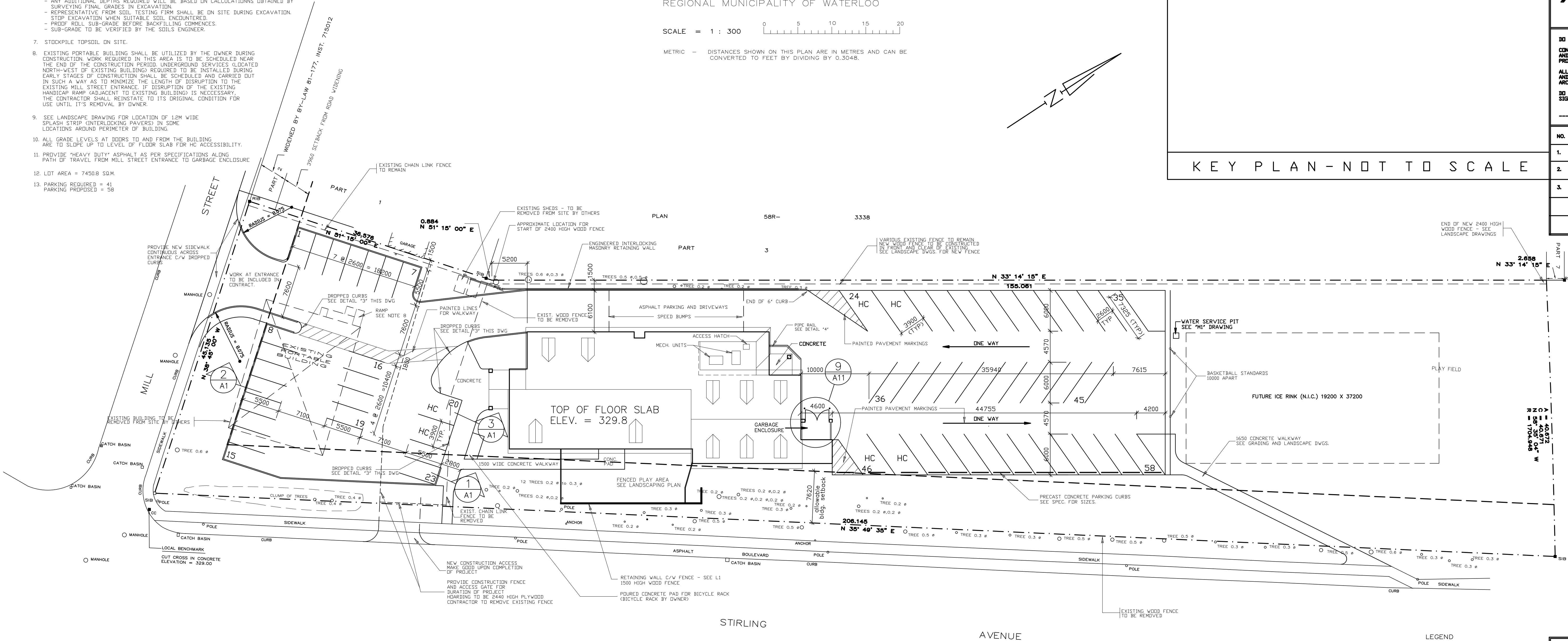
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DATE

NO.	REVISIONS	DATE & INITIAL
1.	ISSUE FOR TENDER	DEC. 8/92
2.	BICYCLE RACK CONCRETE PAD ADDED	MAR. 19/93
3.	FENCE AROUND PLAY AREA REVISED	MAR. 19/93

CANADIAN NATIONAL RAILWAY
LOT 1, SUBDIVISION LOT 18, G.C.T.



LEGEND	
□	= PLANTED
■	= FOUND
IB	= IRON BAR
RIB	= ROUND IRON BAR
SIB	= STANDARD IRON BAR
CC	= CUT CROSS

TENDER # 92-43

PRINTING DATE

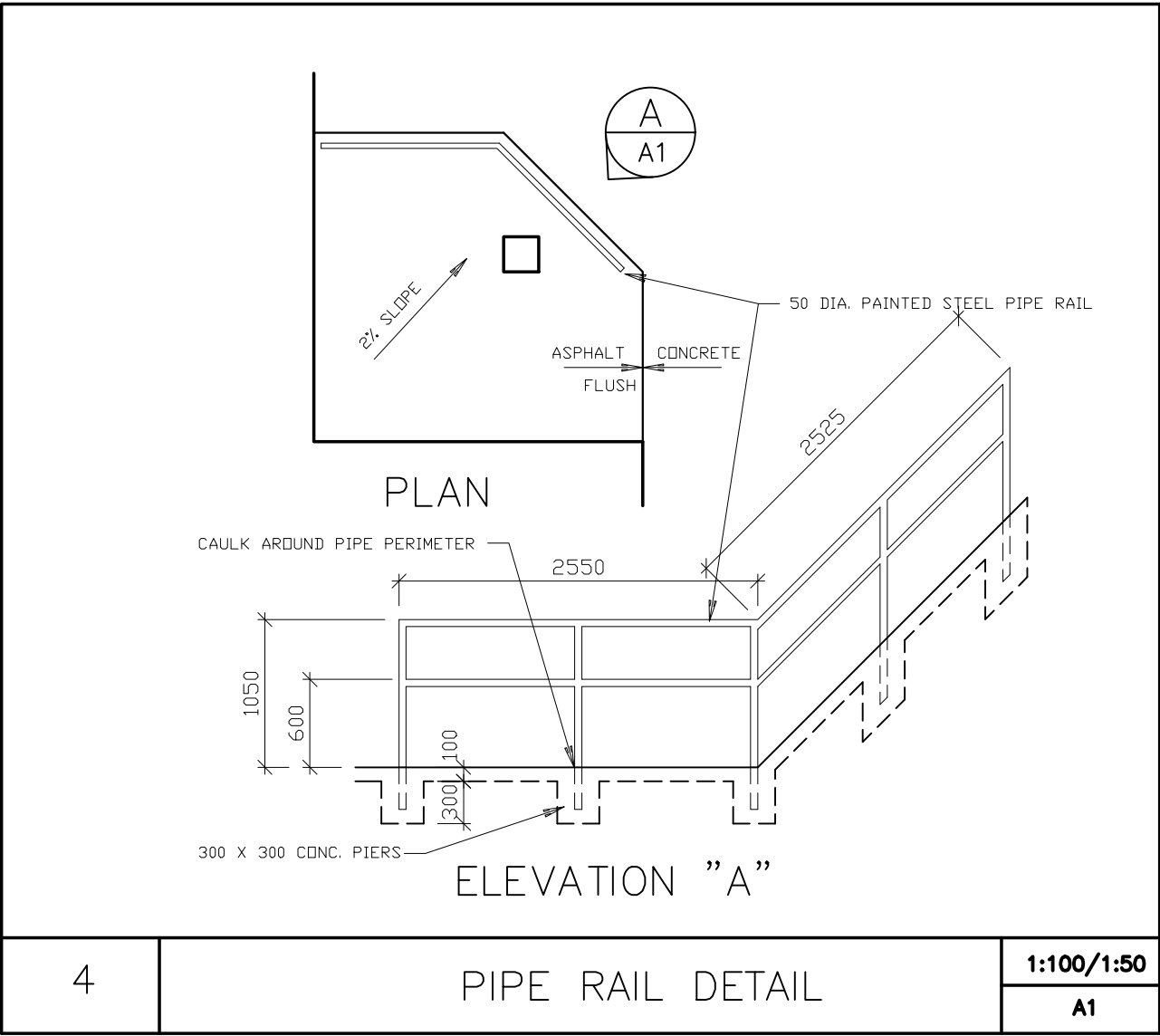
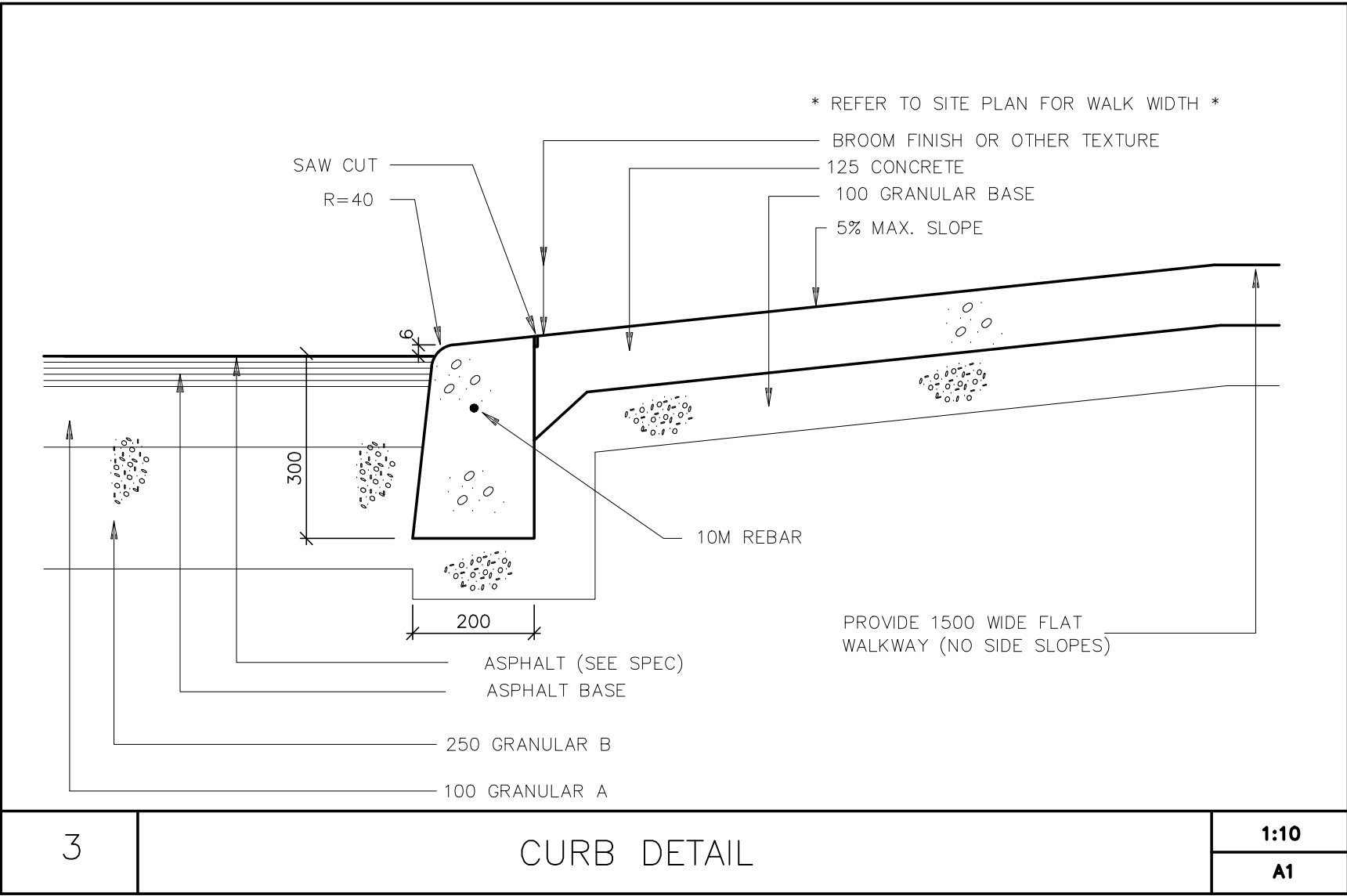
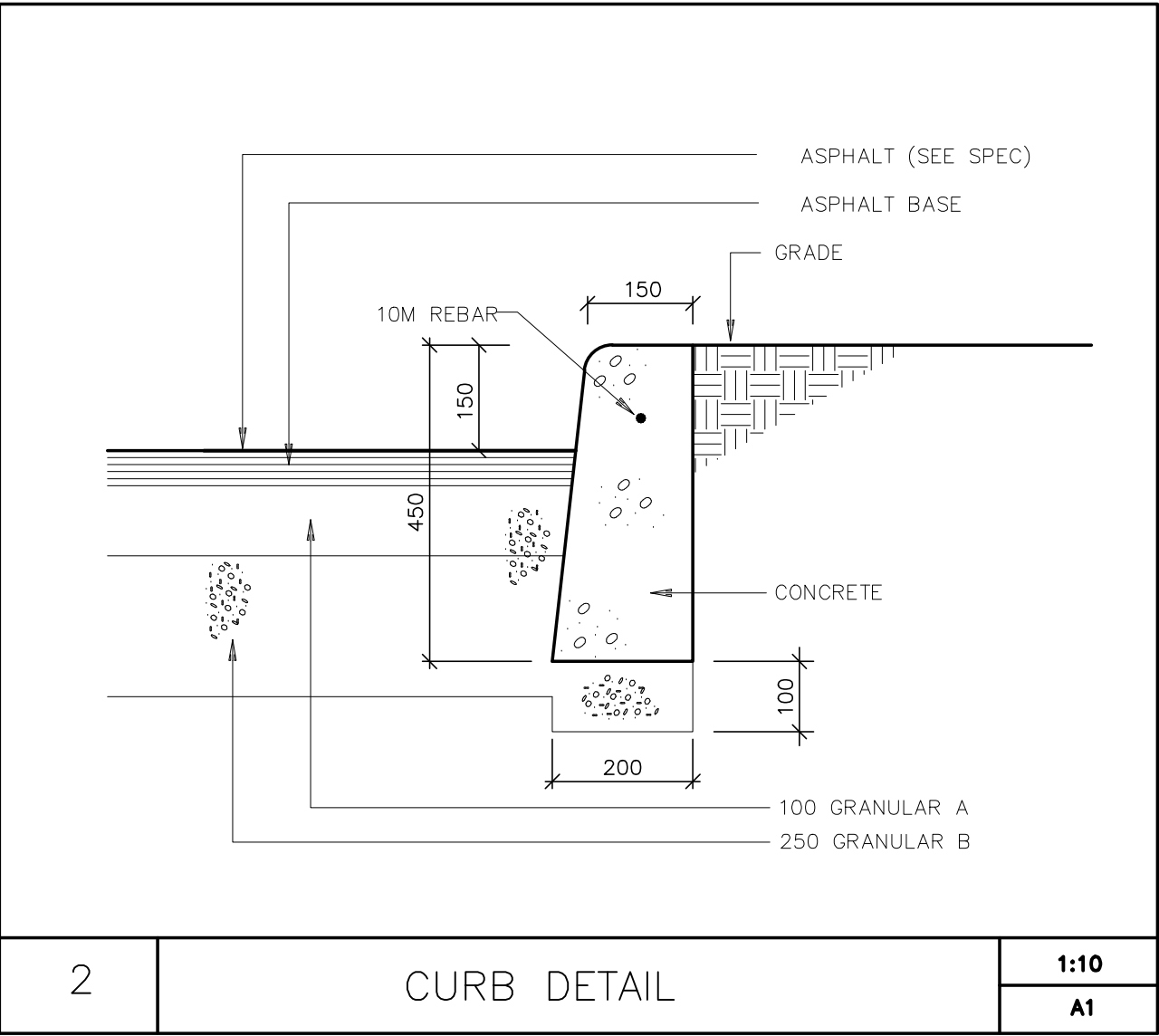
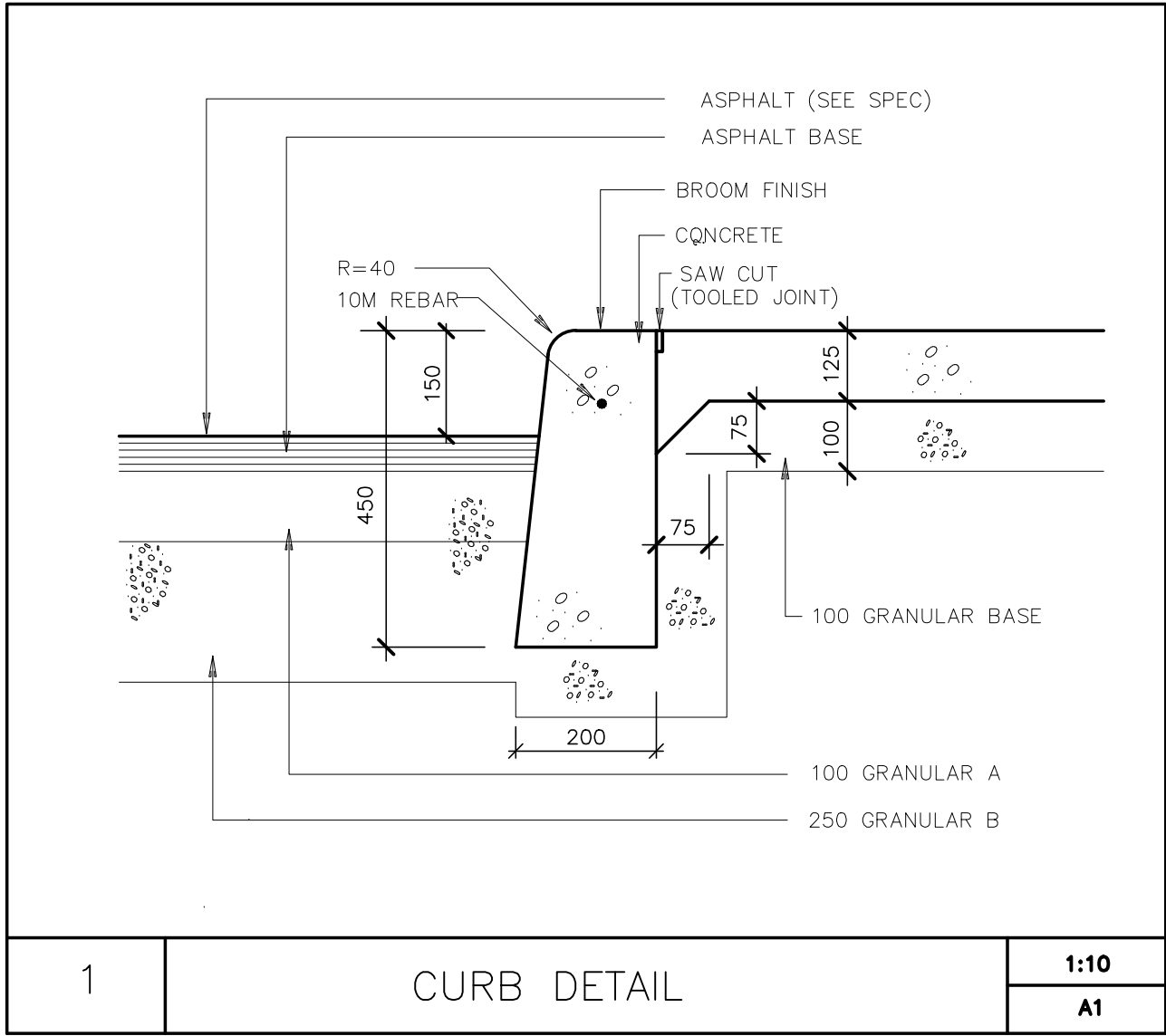
PLOTTING DATE DECEMBER 4, 1992

COMP. FILE ACAD10/9081/A1.DWG

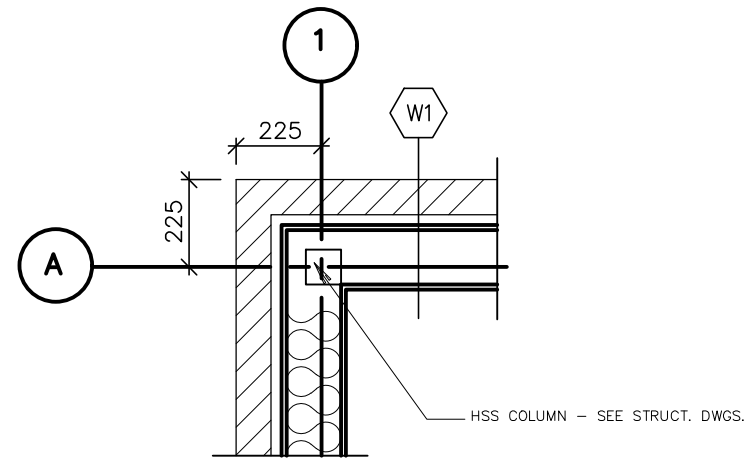
SITE PLAN

JOB NO.	9081	DRAWN	M.M.
DATE	JUNE 16/92	DWG. NO	A1
SCALE	1=300		

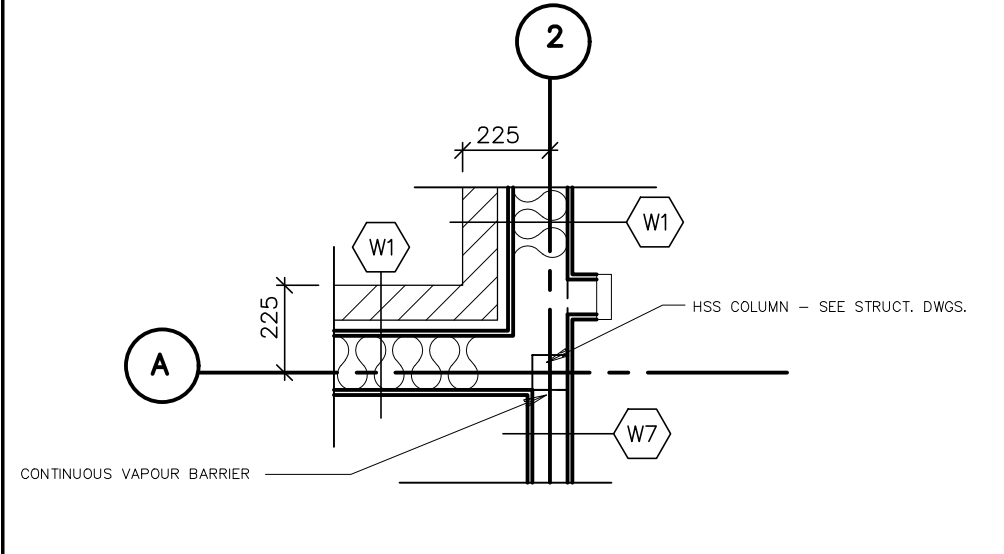
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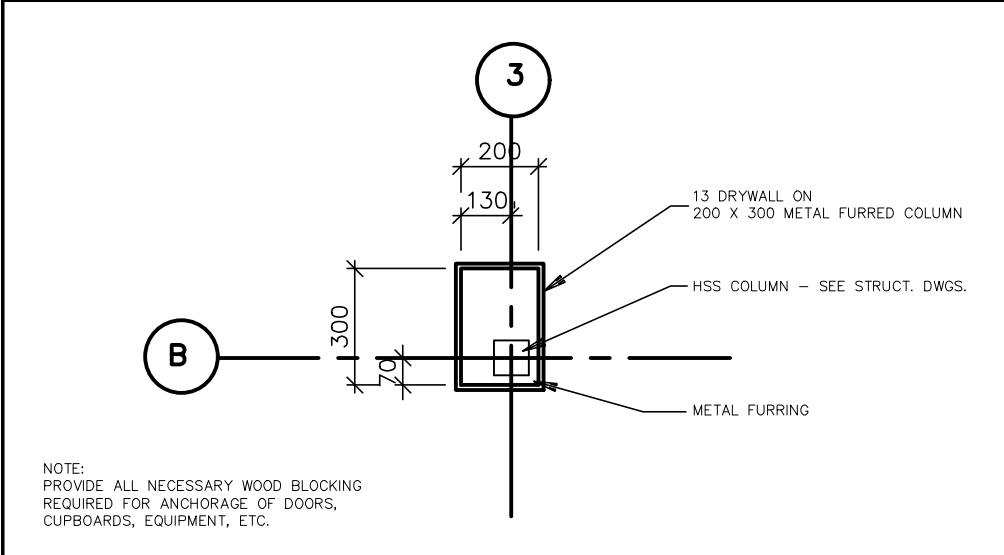
Snider Reichard March Architects



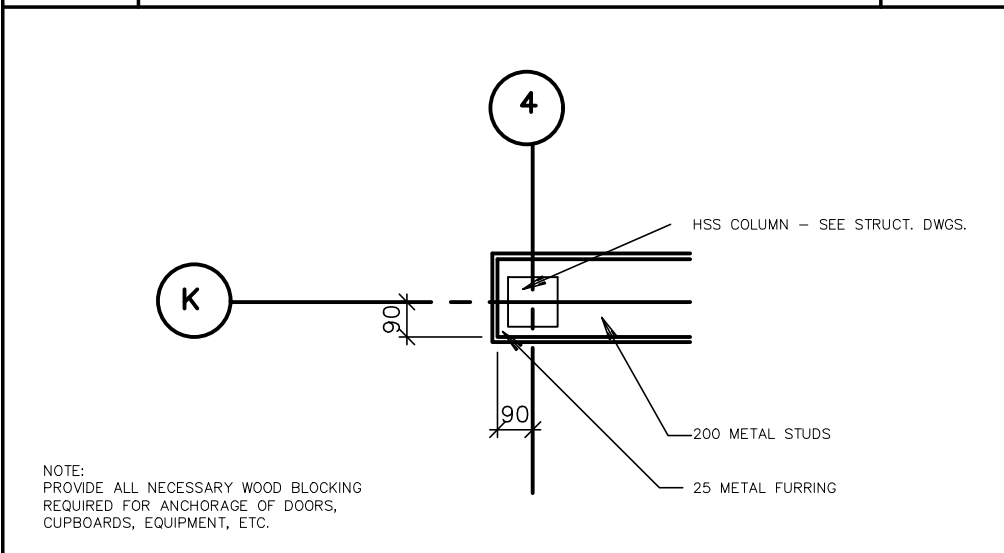
1 DETAIL 1:20
A2



2 DETAIL 1:20
A2



3 DETAIL 1:20
A2



4 DETAIL 1:20
A2

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1.	ISSUE FOR TENDER	DEC. 8/92
2.	REVISIONS TO BARRIER-FREE WASHROOM 122	MAR. 15/93

- NOTES:
- REFER TO DRAWING "A9" FOR INTERIOR ELEVATIONS INDICATED ON THIS DRAWING.
 - ALL MILLWORK IS TO BE SITE MEASURED.
 - SEE DRAWING "A3" FOR EXTENSION OF FIRE SEPARATIONS INTO ATTIC SPACES.
 - SEE DRAWING "A3" FOR SEPARATION OF ATTIC AS REQUIRED IN SECTION 3.11.1.7 OF THE O.B.C. (ATTIC MUST BE DIVIDED INTO COMPARTMENTS OF NOT GREATER THAN 300 SM)
 - INSTALL 3 COAT HOOKS IN SHOWERS #121 & #125, AND TWO COAT HOOKS IN ROOM #122 IN LOCATIONS SHOWN ON PLAN.
 - SUPPLY AND INSTALL ONE SOAP DISPENSER AND SINGLE SERVICE TOWEL DISPENSER FOR SINGLE COMPARTMENT SINKS IN ROOMS #118 & #119.
 - IN ORDER TO ACCOMMODATE THE INSTALLATION OF SEMI-RECESSED WASHROOM ACCESSORIES IN ROOMS #120 & #124; RECESSED SWITCHES, PULL-STATIONS ETC. IN ROOM #126; AND RECESSED FIRE EXTINGUISHER CABINETS; ADJUST THE THICKNESS OF CONCRETE BLOCK ACCORDINGLY TO ALLOW FOR RECESS DEPTH.
 - REFER TO DRAWING "A3" FOR LOCATION OF ATTIC AND ROOF ACCESS HATCHES.
 - PROVIDE 4 - 19 PLYWOOD SHELVES ON ADJUSTABLE STANDARDS IN ROOM #128.
 - SEE INTERIOR WALL ELEVATION "F" DWG. A9 FOR ARCHITECTURAL CONCRETE BLOCK TYPES ON WALL INDICATED "A".
 - PROVIDE 2 BANKS OF SHELVES C/W PLASTIC LAMINATE FINISH ON ADJUSTABLE STANDARDS IN ROOM #103. SHELVES TO BE 350MM DEEP.
 - PROVIDE LOW ROD AND SHELF FOR 1 METRE LENGTH IN BOTH CLOSETS (ROOM #101 & #114) SEE DETAIL 4 DWG. A10
 - PROVIDE BULLNOSE BLOCK AT ALL EXPOSED CORNERS AT WINDOWS, DOORS ETC. IN ACTIVITY/BANQUET ROOM.
 - CONTRACTOR TO REVIEW WITH OWNER HEIGHT OF DRINKING FOUNTAINS PRIOR TO INSTALLATION.

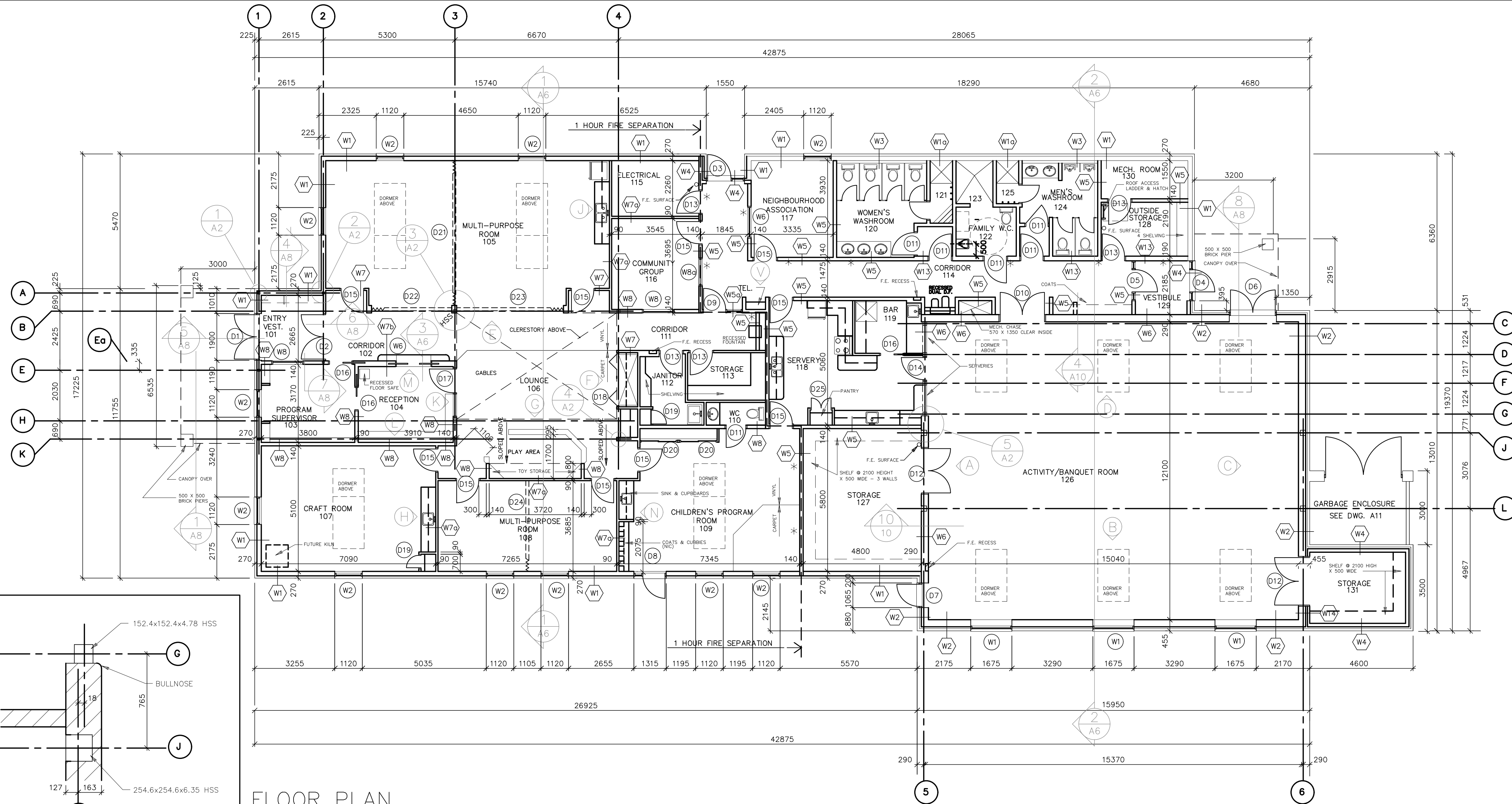
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PRINTING DATE
PLOTING DATE DECEMBER 4, 1992
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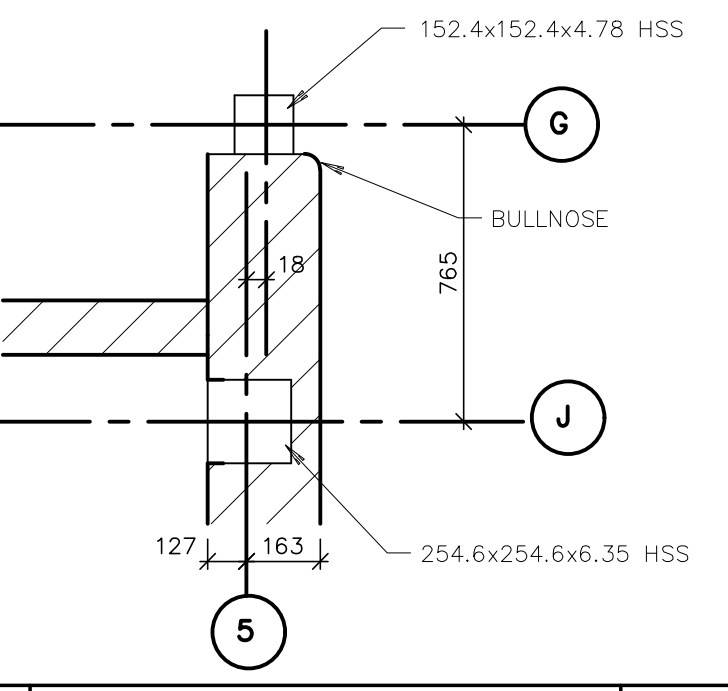
FLOOR PLAN

JOB NO.	9081	DRAWN	M.M.
DATE	JUNE 16/92	DWG. NO	A2
SCALE	AS NOTED		

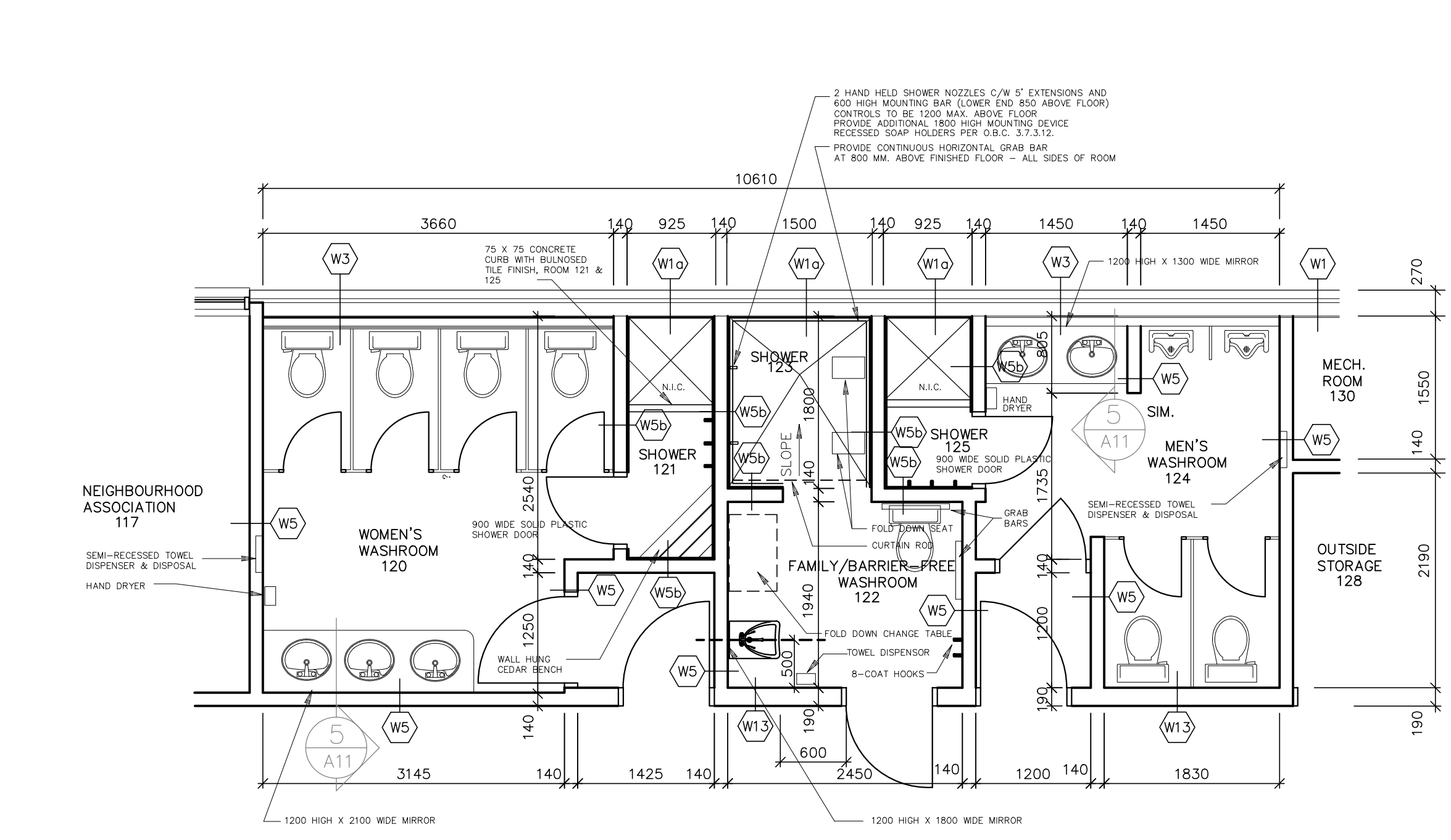
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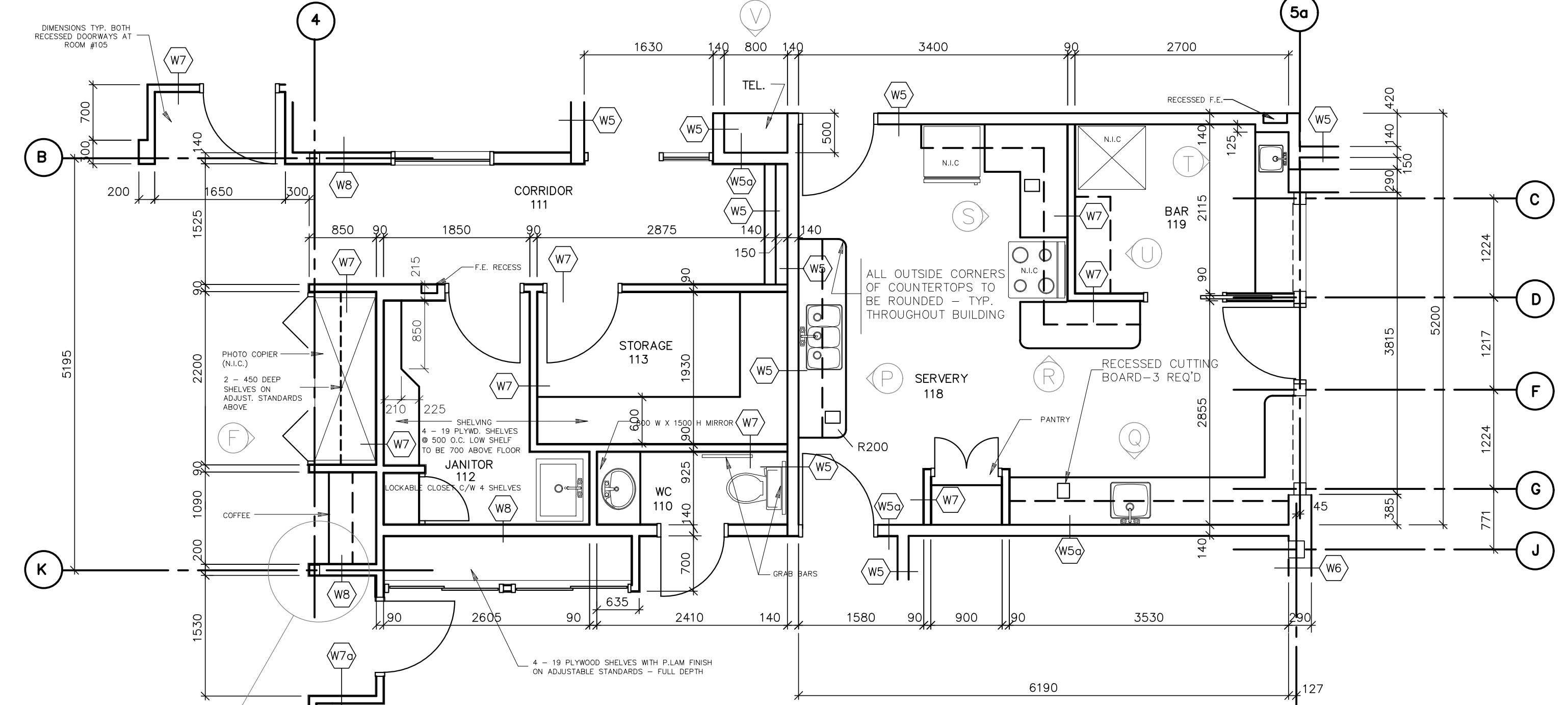
FLOOR PLAN
SCALE 1=100



5 DETAIL 1:20
A2



WASHROOM PLAN DETAIL
SCALE 1=50

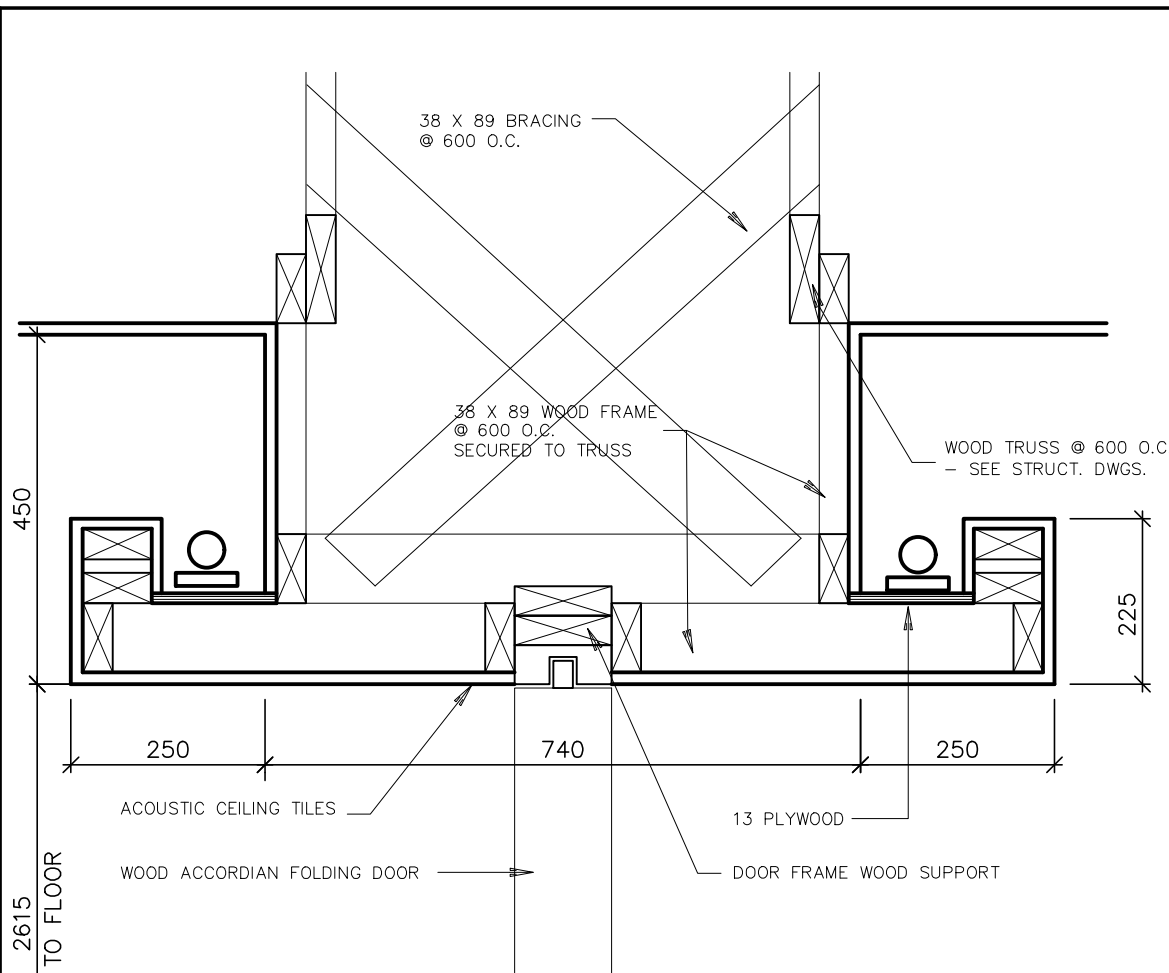


KITCHEN/SERVICE ROOMS PLAN DETAIL
SCALE 1=50

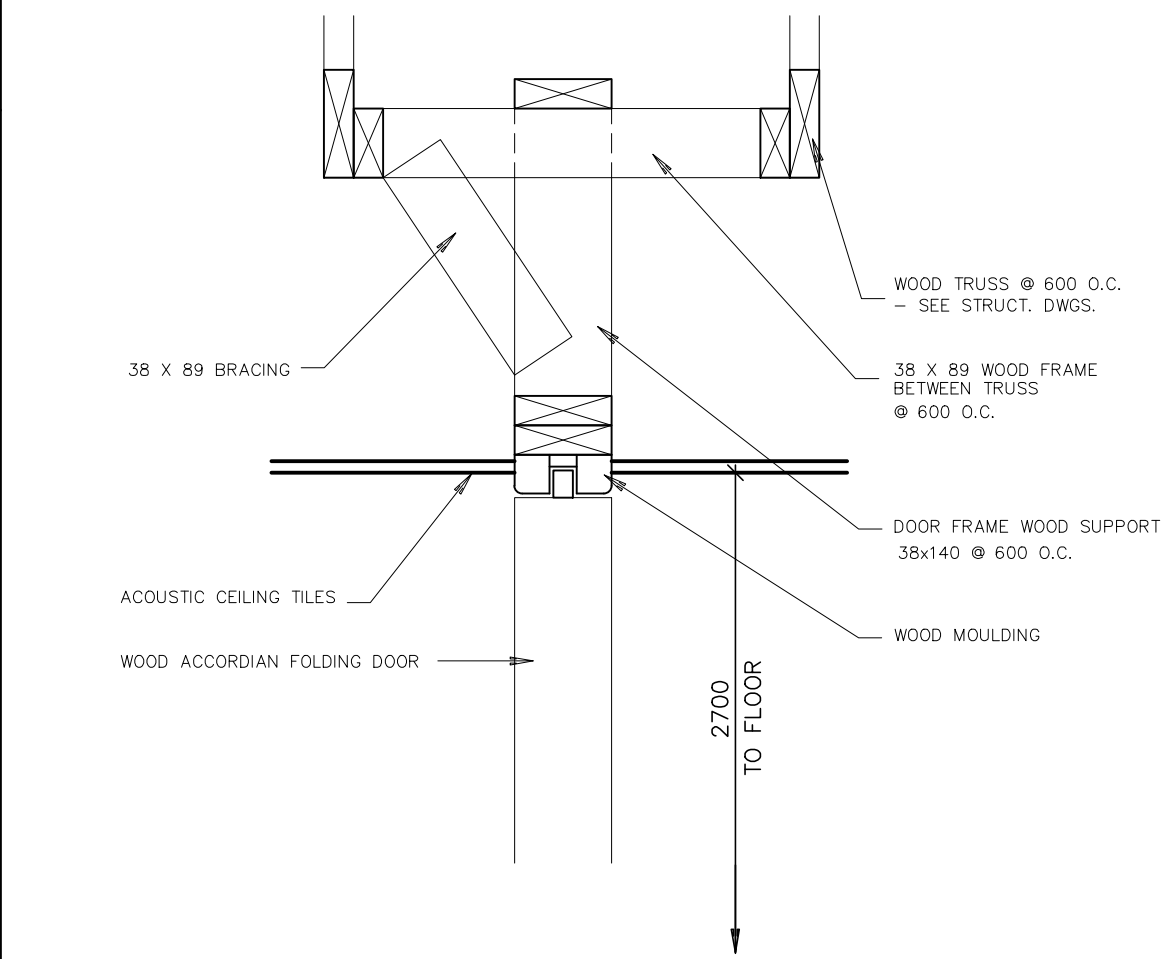
Snider Reichard March Architects

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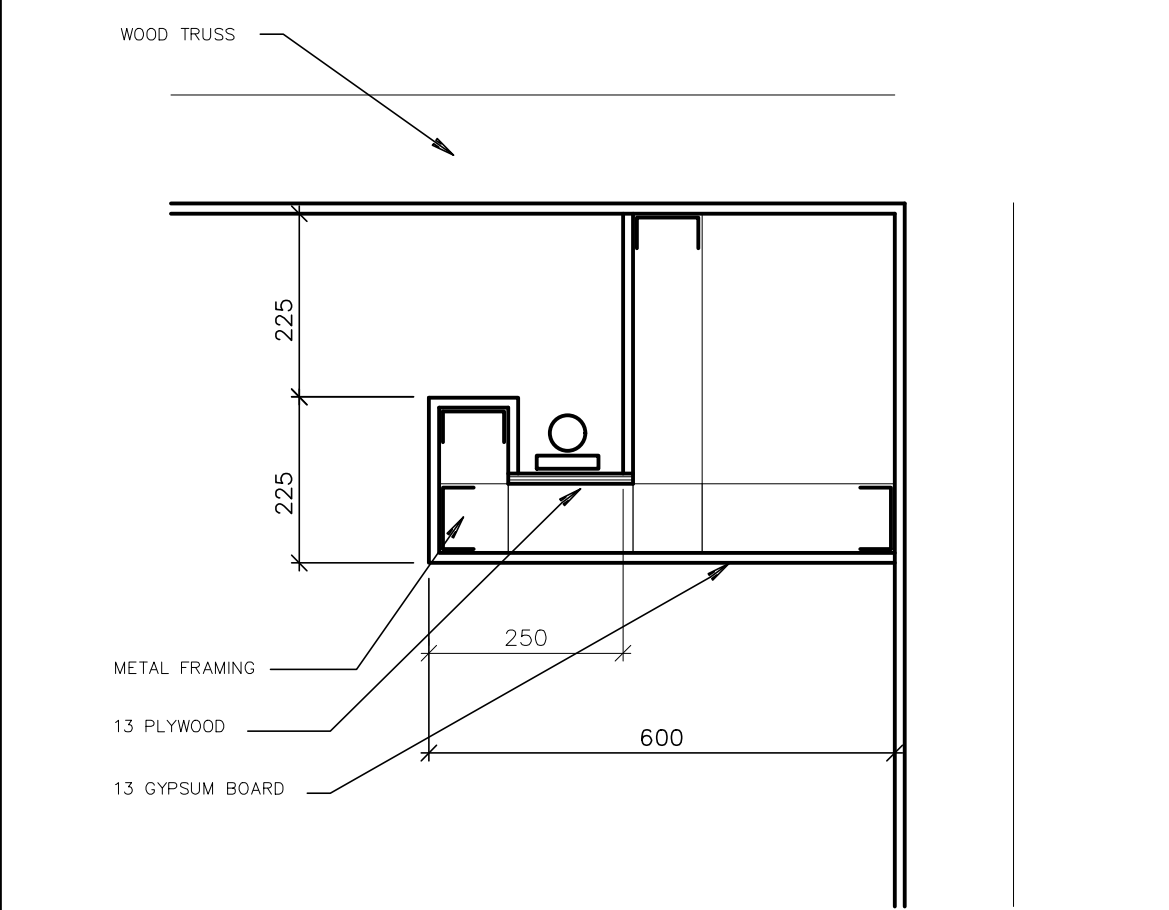
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1 FOLDING DOOR HEAD DETAIL 1:10
A3



2 FOLDING DOOR HEAD DETAIL 1:10
A3



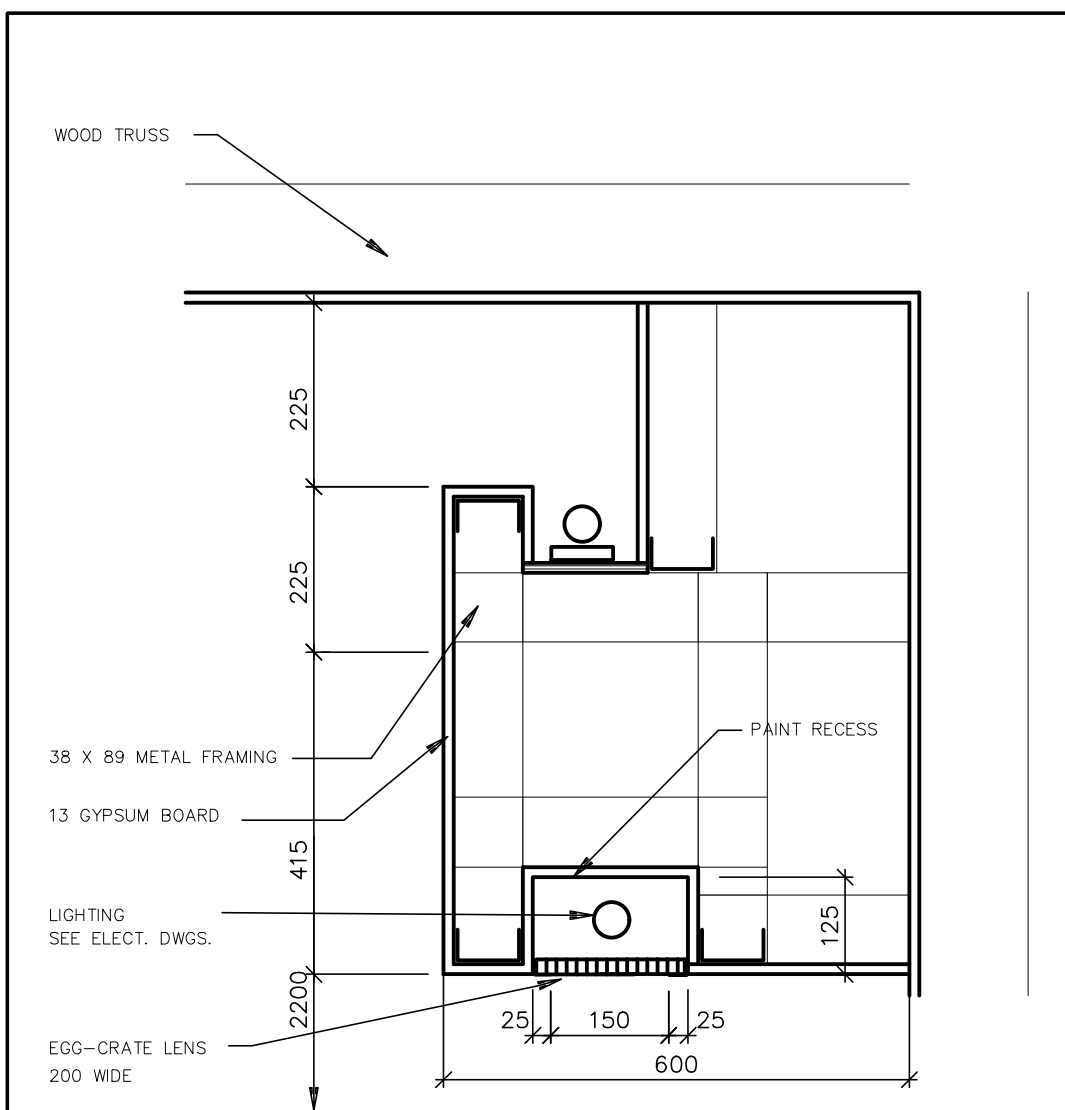
3 LIGHTCOVE/BULKHEAD 1:10
A3

NOTES:

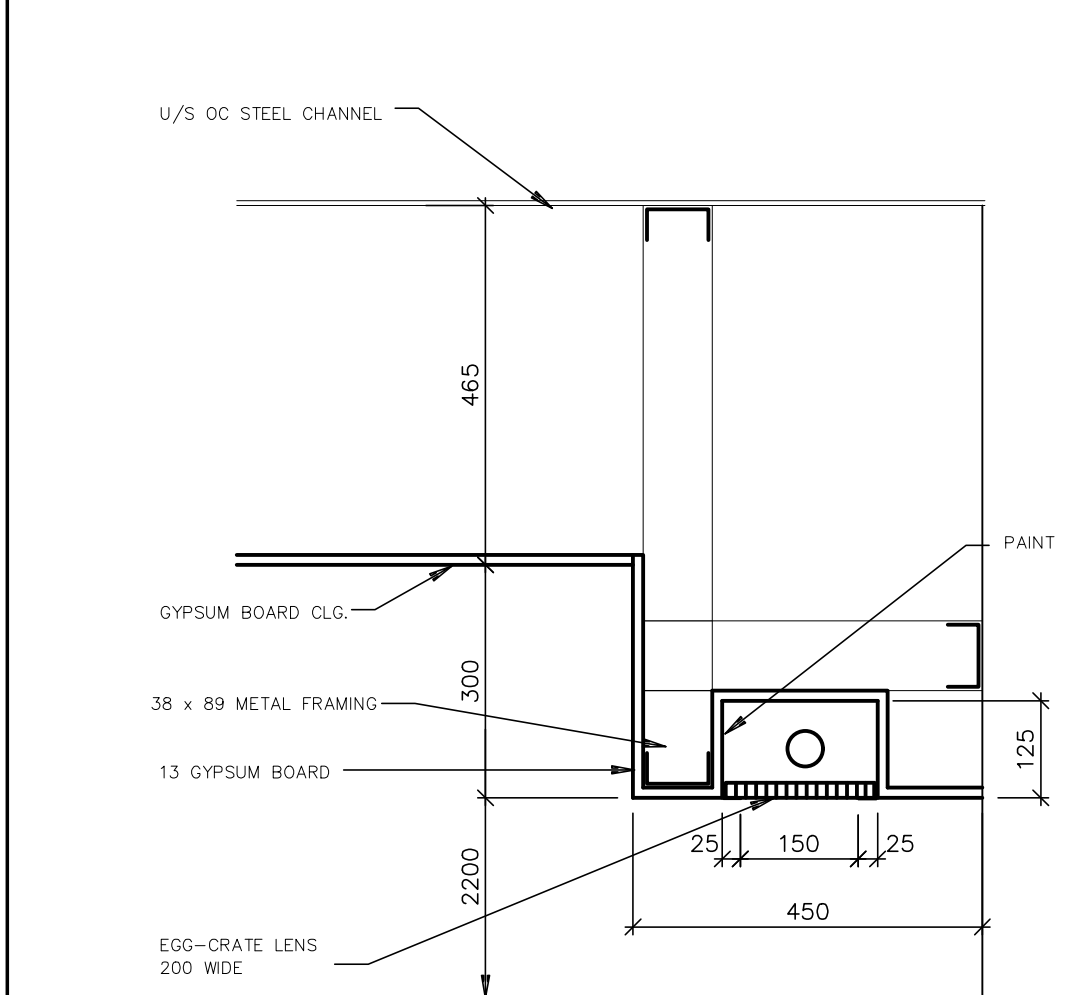
- ALL CONTRACTORS TO REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR OPENINGS REQUIRED FOR EQUIPMENT AND FIXTURES (EG. LIGHTS, GRILLES, DIFFUSERS, ETC.)
- CEILING INSTALLER TO PROVIDE EGG-CRATE LENSES
- PROVIDE ATTIC FIRE STOPPING IN APPROXIMATE LOCATION SHOWN CONSISTING OF 13 GYPSUM BOARD ON WOOD TRUSSES. PROVIDE CONTINUOUS WOOD BLOCKING SUPPORT AT ALL JOINTS AND EXTEND TO ROOF SHEATHING AND INTO SOFFITS
- MAINTAIN 1 HR. FIRE SEPARATION IN ATTIC SPACE TO U/S OF DECK. 3 LAYERS OF GYP. BD. ON DOUBLE TRUSS OR 2 LAYERS OF GYP. BD. ON WOOD STUDS (BOTH SIDES).
- SUPPLY AND INSTALL ATTIC ACCESS HATCHES WHERE SHOWN ON PLAN. SIZE OF OPENING TO BE 900 X 550. HATCH TO CONSIST OF 2 LAYERS OF 50 RIGID INSUL. AND 1 LAYER OF EXTERIOR GYPSUM BD. INSTALL WOOD FRAMING AS REQUIRED.

FINISH LEGEND

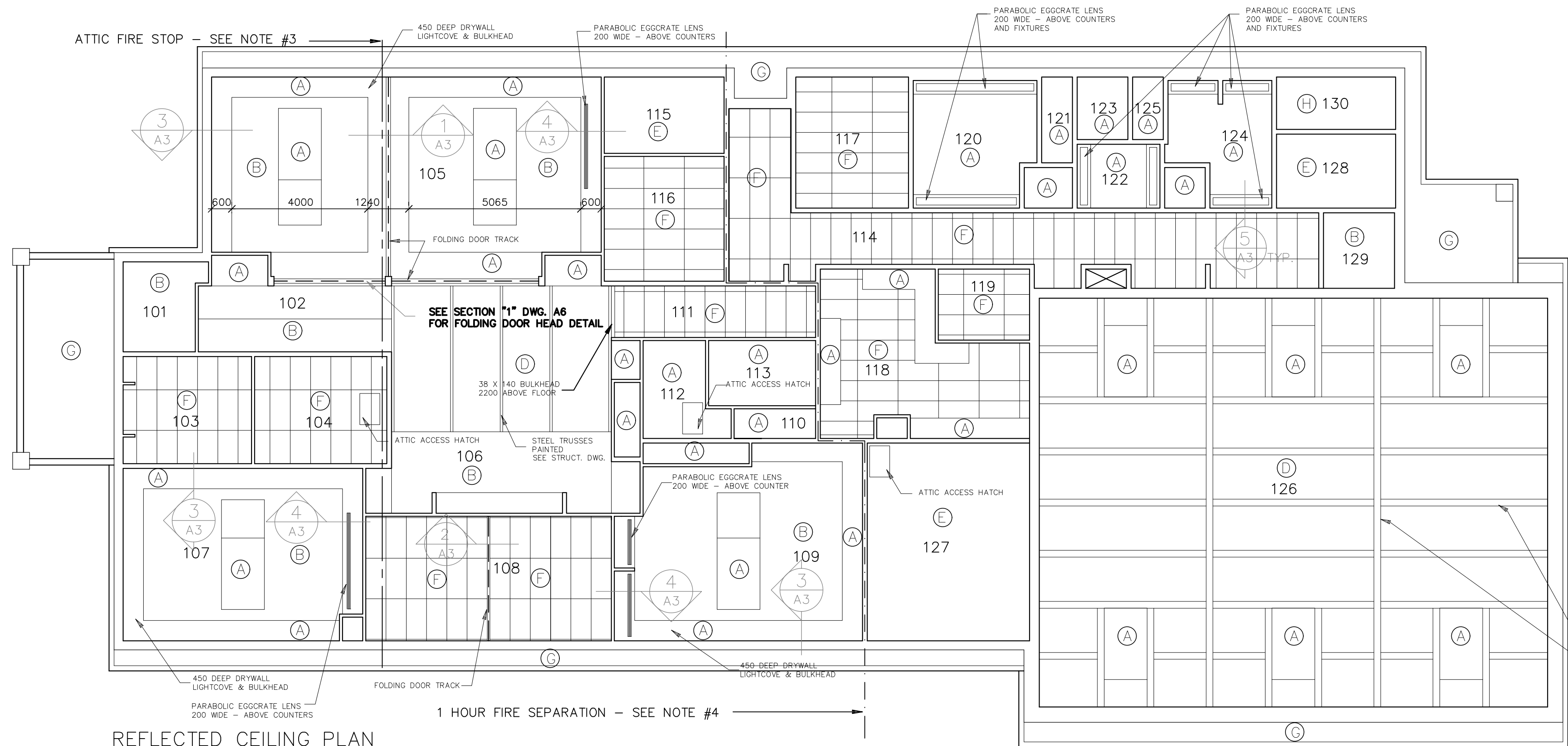
- (A) DRYWALL - PAINTED
- (B) DRYWALL - TEXTURED SPRAY
- (C) NOT USED
- (D) ACOUSTIC PAINTED METAL DECK
- (E) EXPOSED DRYWALL AND MECHANICAL SYSTEM
- (F) SUSPENDED ACOUSTIC TILE
- (G) VINYL SOFFIT
- (H) 1 HR. RATING - 2 LAYERS 16 GYPSUM BOARD



4 LIGHTCOVE/BULKHEAD 1:10
A3

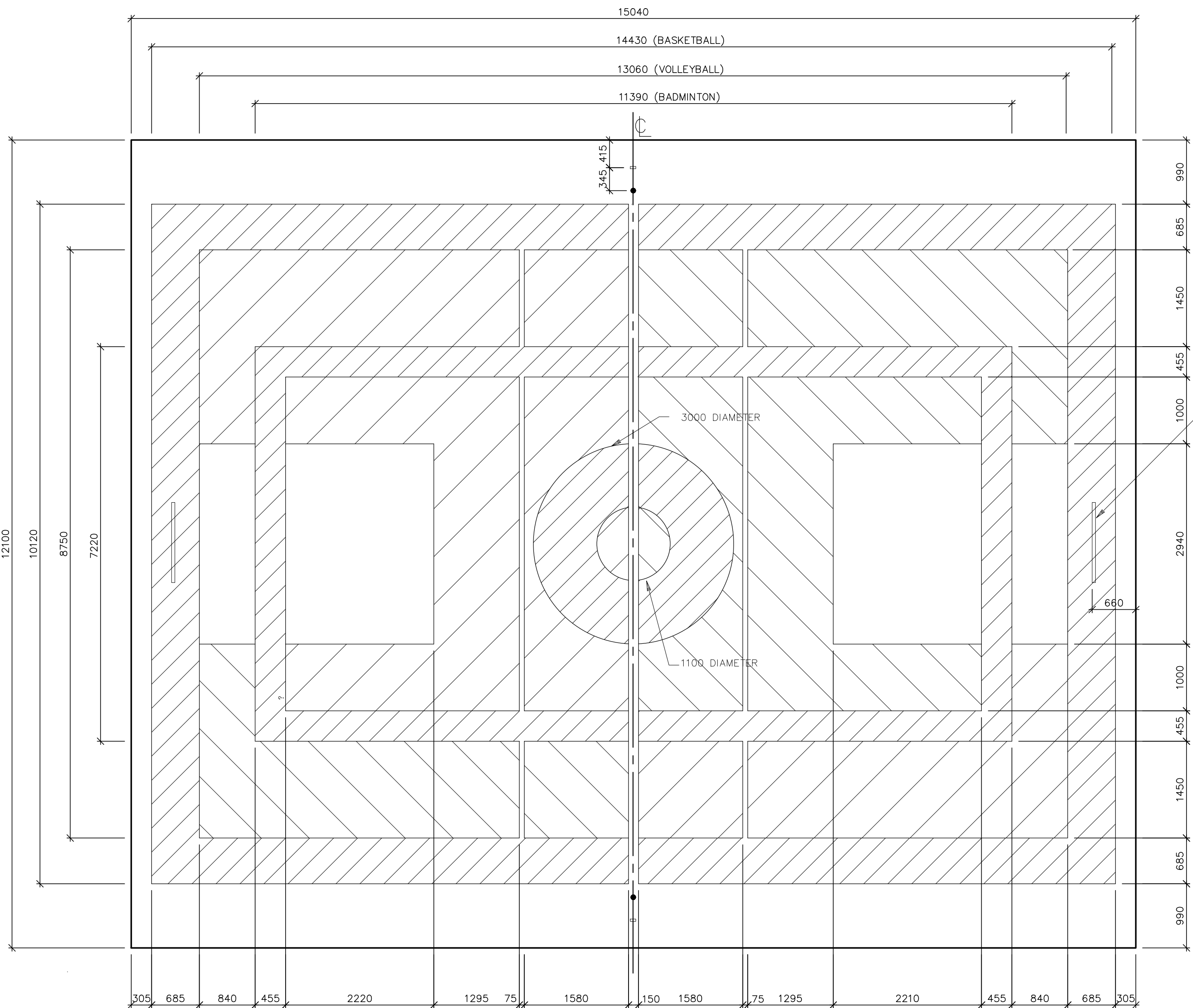


5 WASHROOM BULKHEAD 1:10
A3



REFLECTED CEILING PLAN

SCALE = 1:100



FLOOR TREATMENT PLAN

1:10

LEGEND

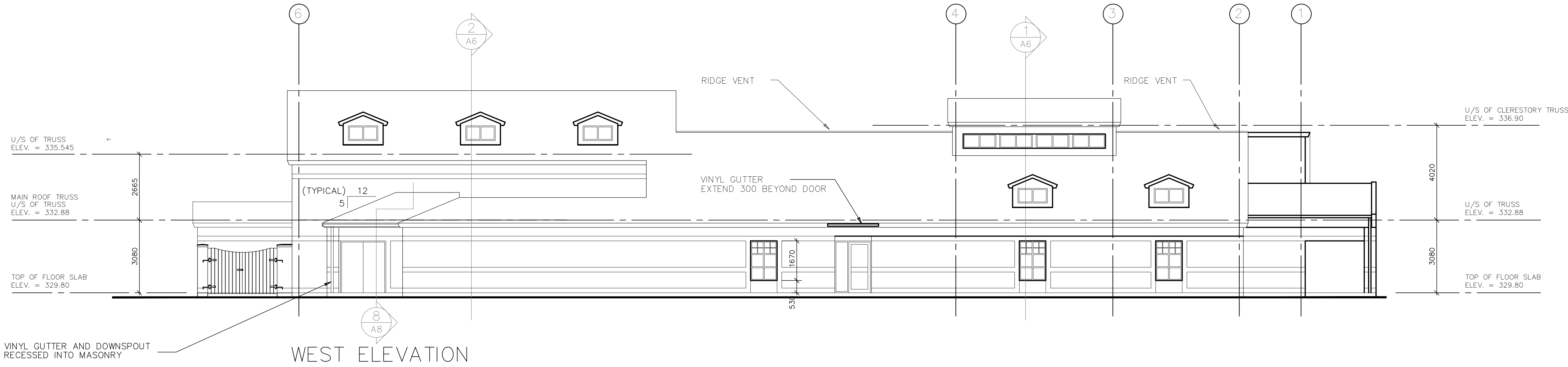
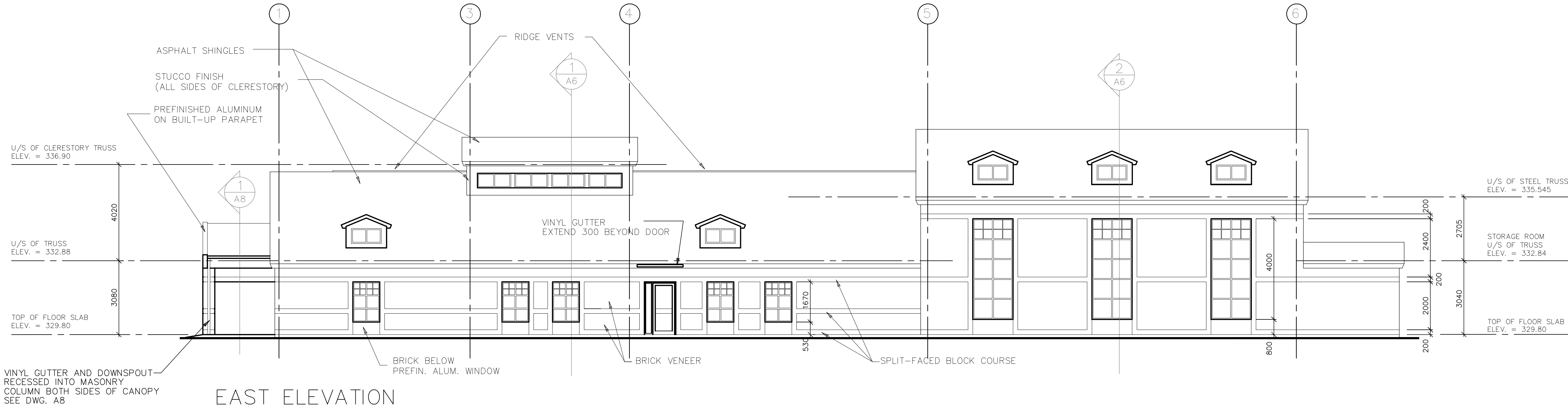
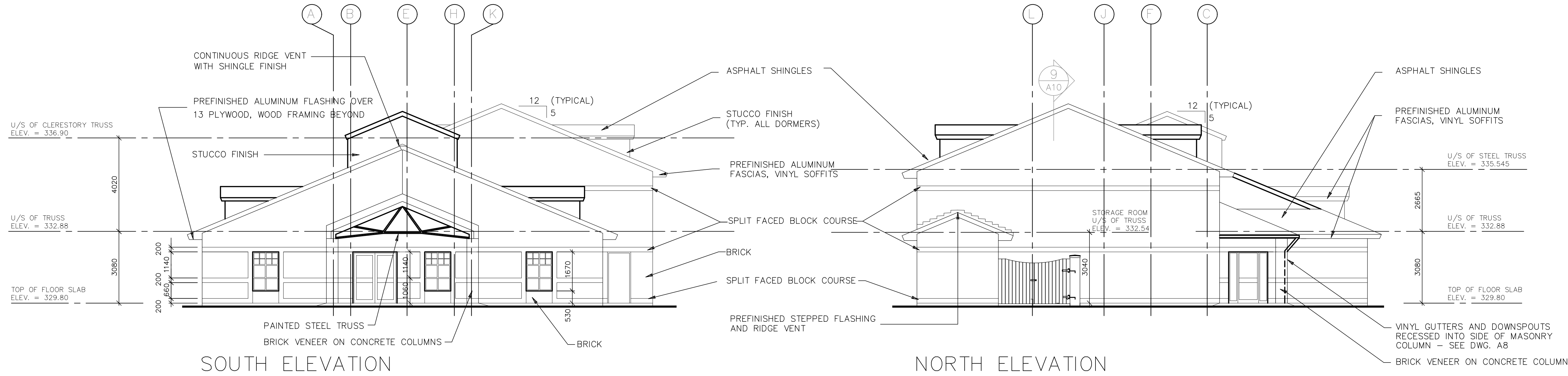
- (Hatched box) - LINOLEUM FLOORING COLOUR #1
- (Diagonal lines) - LINOLEUM FLOORING COLOUR #2
- (Cross-hatched box) - LINOLEUM FLOORING COLOUR #3
- (Circle) - FLOOR SOCKETS (QTY.=2)
- (Square) - FLOOR PLATES (QTY.=2)

NOTE:
LAYOUT OF GAMES LINES TO BE
VERIFIED WITH ARCHITECT
/OWNER PRIOR TO INSTALLATION

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ELEVATIONS

JOB NO.	9081	DRAWN	M.M.
DATE	JUNE 16/92	DWG. NO	A4
SCALE	1=100		

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KITCHENER ONTARIO

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[illegible]

TENDER # 92-43

PLOTING DATE DECEMBER 4, 1992

SCHEDULES

MILL/COURTLAND
COMMUNITY CENTRE

KITCHENER ONTARIO

CONSTRUCTION TYPES SCHEDULE			FLOORS	ROOFS
WALLS				
W1 - 90 BRICK - 25 AIR SPACE - SHEATHING PAPER - 13 PLYWOOD SHEATHING - 38 x 140 WOOD STUDS @ 400 O.C. - BATT INSULATION - R.S.I. 3.50 - 6 MIL POLY VAPOUR RETARDER - 13 GYPSUM BOARD	W5 - 140 CONCRETE BLOCK (NOTE: FOR ARCHITECTURAL BLOCK TYPES SEE WALL ELEV. "F", DWG. "A9" FOR WALLS MARKED "*" ON FLOOR PLAN)	W9 (ALL EXTERIOR FOUNDATION WALLS) - POURED CONCRETE (REFER TO STRUCT. DRAWINGS FOR THICKNESS) - 50 RIGID PERIMETER INSULATION - R.S.I. 1.40	F1 - 100 POURED CONCRETE - PROVIDE SAWN CONTROL JOINTS C/W JOINT FILLER (REFER TO STRUCTURAL DRAWINGS)	R1 - ASPHALT SHINGLES - 13 PLYWOOD SHEATHING - PRE-ENGINEERING WOOD TRUSSES @ 600 O.C. OR AS INDICATED ON STRUCTURAL DRAWINGS - ATTIC INSULATION - R.S.I. 5.40 - 0.15 mm POLY VAPOUR RETARDER - 13 GYPSUM BOARD - TAPE JOINTS
W1g - 90 BRICK - 25 AIR SPACE - SHEATHING PAPER - 13 PLYWOOD SHEATHING - 38 x 140 WOOD STUDS @ 400 O.C. - BATT INSULATION - R.S.I. 3.50 - 6 MIL POLY VAPOUR RETARDER - 13 MOISTURE RESISTANT GYPSUM BD. - CERAMIC TILE FINISH	W5g - 140 CONCRETE BLOCK - 13 GYPSUM BOARD (NOTE: FOR ARCHITECTURAL BLOCK TYPES SEE WALL ELEV. "F", DWG. "A9" FOR WALLS MARKED "*" ON FLOOR PLAN)	W10 (MECH. ROOF WELL) - SINGLE PLY MEMBRANE - 90 CONCRETE BLOCK - 25 AIR SPACE - 50 RIGID CAVITY INSULATION - R.S.I. 2.50 MIN. - AIR BARRIER MEMBRANE - 290 CONCRETE BLOCK	F2 - LINOLEUM - 16 FIR PLYWOOD (GOOD ONE SIDE) - 13 FIR PLYWOOD - 10 RESILIENT PADS - 0.15 mm POLY VAPOUR RETARDER - 100 POURED CONCRETE - PROVIDE SAWN CONTROL JOINTS C/W JOINT FILLER (REFER TO STRUCTURAL DRAWINGS)	R2 - ASPHALT SHINGLES - 13 PLYWOOD SHEATHING - 50 ROOF INSULATION - R.S.I. 2.50 MIN. - VAPOUR RETARDER - 38 ACUSTIC STEEL DECK
W2 - 90 BRICK - 25 AIR SPACE - 50 RIGID CAVITY INSULATION - R.S.I. 2.50 MIN. - AIR BARRIER MEMBRANE - 290 CONCRETE BLOCK (NOTE: SEE WALL ELEVATIONS "A", "B", "C", & "D", DRAWING "A9" FOR BLOCK TYPES)	W5L - 140 CONCRETE BLOCK - CERAMIC TILE FINISH ON SHOWER SIDE	W11 (MECH. ROOF WELL) - SINGLE PLY MEMBRANE - 90 CONCRETE BLOCK - 25 AIR SPACE - SHEATHING PAPER - 13 PLYWOOD SHEATHING - 38 x 140 WALL FRAMING		R3 - SINGLE PLY MEMBRANE - 75 CONCRETE SLAB (SEE STRUCT. DWGS.) - (2 POURS REQUIRED FOR HEATING COILS) - 50 ROOF INSULATION - R.S.I. 2.50 MIN. - 0.15 mm POLY VAPOUR RETARDER - 65 CONCRETE SLAB (SEE STRUCT. DWGS.) - 38 STEEL DECK
W3 - 90 BRICK - 25 AIR SPACE - SHEATHING PAPER - 13 PLYWOOD SHEATHING - 38 x 140 WOOD STUDS @ 400 O.C. - BATT INSULATION - R.S.I. 3.50 - 6 MIL POLY VAPOUR RETARDER - 13 GYPSUM BOARD (UNFINISHED) - 90 PLUMBING SPACE - WOOD STUDS @ 600 O.C. - 13 WAFERBOARD SHEATHING - 13 GYPSUM BOARD	W6 - 290 CONCRETE BLOCK (NOTE: SEE WALL ELEV. "A"-"D", DWG. "A9" FOR ROOM #126.)	W12 (DORMERS AND CLERESTORY ROOF WALLS) - STUCCO FINISH - 38 RIGID INSULATION - R.S.I. 1.05 - 13 PLYWOOD SHEATHING @ 400 O.C. - 38 x 140 WOOD STUDS @ 400 O.C. - BATT INSULATION - R.S.I. 3.50 - 6 MIL POLY VAPOUR RETARDER - 13 GYPSUM BOARD	W7g - 13 GYPSUM BOARD - 38 x 89 METAL STUDS @ 400 O.C. - SOUND ATTENUATION BATTS - AIR SPACE (SLIDING WINDOW) - 38 x 89 METAL STUDS @ 400 O.C. - 13 GYPSUM BOARD (EXTEND STUDS TO UNDERSIDE OF TRUSS)	
W4 - 90 BRICK - 25 AIR SPACE - 50 RIGID CAVITY INSULATION - R.S.I. 2.50 MIN. - AIR BARRIER MEMBRANE - 140 CONCRETE BLOCK	W7 - 13 GYPSUM BOARD - 38 x 89 METAL STUDS @ 400 O.C. - 13 GYPSUM BOARD	W13 - 190 CONCRETE BLOCK (NOTE: TO U/S OF ROOF STRUCTURE) (NOTE: FOR ARCHITECTURAL BLOCK TYPES SEE WALL ELEV. "F", DWG. "A9" FOR WALLS MARKED "*" ON FLOOR PLAN)		
	W7g - 13 GYPSUM BOARD - 38 x 89 METAL STUDS @ 400 O.C. - SOUND ATTENUATION BATTS - 13 GYPSUM BOARD (EXTEND STUDS TO UNDERSIDE OF TRUSS)	W14 - 290 CONCRETE BLOCK - 75 AIR SPACE - 90 CONCRETE BLOCK		
	W8 - 13 GYPSUM BOARD - 38 x 140 WOOD STUDS @ 400 O.C. - SOUND ATTENUATION BATTS - 13 GYPSUM BOARD (EXTEND STUDS TO UNDERSIDE OF TRUSS)			

W1 FIXED WINDOW
COLOURED PREFINISHED
ALUMINUM FRAMES AND
MUNTIN BARS BETWEEN PANES
(TOP 2 PANES)
DOUBLE GLAZING - INSIDE PANE
TO BE 6 MM. TEMPERED

1675
4000
800
ABOVE FLOOR

W2 FIXED WINDOW
COLOURED PREFINISHED
ALUMINUM FRAMES AND
MUNTIN BARS BETWEEN PANES
(TOP 2 PANES)
DOUBLE GLAZING
INSIDE PANE TO BE 6 MM. TEMPERED
IN HIGH WINDOW OF RM. #126)

1120
1670
530(DP)
ABOVE FLOOR

W3 NOT USED

W4 FIXED WINDOW
COLOURED PREFINISHED
ALUMINUM FRAMES
DOUBLE GLAZING

1250
800

W5 FIXED WINDOW
COLOURED PREFINISHED
ALUMINUM FRAMES
DOUBLE GLAZING

1380 175 1380 175 1380 175 1380
6045
8
A11
PREFINISHED ALUM. ON HSS COLUMNS
TO MATCH WINDOW FRAMES

W6 1450 WIDE X 1450 HIGH
INTERIOR HORIZONTAL SLIDER
OAK FRAME & SASH
SINGLE 6 MM. TEMPERED GLAZING
C/W LOCK

2200
TO FLOOR

W7 NOT USED

W8 1200 WIDE X 1200 HIGH
FIXED INTERIOR WINDOW
HOLLOW METAL FRAME
SINGLE 6 MM. TEMPERED GLAZING

W9 NOT USED

W8a HOLLOW METAL FRAMES
GLAZING - 6 SINGLE GEO. WIRED
3/4 HOUR FIRE RATING

D1 2 - 965 x 2134 x 45 COLOURED PREFINISHED ALUM. DOORS AND FRAMES GLAZING - 6 SINGLE TEMPERED PNEUMATICALLY POWERED DOOR OPERATORS EYE-BEAM TRIGGERED

D2 2 - 965 x 2134 x 45 COLOURED PREFINISHED ALUM. DOORS AND FRAMES, PUSH & PULLS GLAZING - 6 SINGLE TEMPERED PNEUMATICALLY POWERED DOOR OPERATORS EYE-BEAM TRIGGERED

D3 965 X 2134 X 45 COLOURED PREFINISHED ALUM. DOOR FRAMES AND SIDELIGHT GLAZING - 6 SINGLE TEMPERED

D4 965 X 2134 X 45 COLOURED PREFINISHED ALUM. DOOR FRAMES AND 2 SIDELIGHTS GLAZING - 6 SINGLE TEMPERED PNEUMATICALLY POWERED DOOR OPERATORS EYE-BEAM TRIGGERED

D5 965 X 2134 X 45 COLOURED PREFINISHED ALUM. DOOR FRAMES AND 2 SIDELIGHTS GLAZING - 6 SINGLE TEMPERED PNEUMATICALLY POWERED DOOR OPERATORS EYE-BEAM TRIGGERED

D6 2 - 965 x 2134 x 45 HOLLOW METAL DOORS & FRAME, INSULATED, GLAZING - 6 SINGLE TEMPERED

D7 965 x 2134 x 45 HOLLOW MTL DR. & FRAME, INSULATED,

D8 965 X 2134 X 45 COLOURED PREFINISHED ALUM. DOOR FRAMES AND SIDELIGHT

D9 965 x 2134 x 45 SOLID CORE OAK SLAB DOOR WITH SIDELIGHTS, STAIN GRADE, HOLLOW MTL. FRAMES, 6 SINGLE GEO. WIRED GLAZING STEEL KICK PLATES BOTH SIDES 3/4 HOUR FIRE RATING

D10 2 - 965 x 2134 x 45 OAK SLAB DOORS, SOLID CORE, STAIN GRADE, HOLLOW METAL FRAME GLAZING - 6 SINGLE TEMPERED STEEL KICK PLATES BOTH SIDES

D11 965 x 2134 x 45 OAK SLAB DOOR, SOLID CORE, STAIN GRADE, HOLLOW METAL FRAME, STEEL KICK PLATES BOTH SIDES OF DOOR 300 X 300 LOUVERS, SEE MECH. DWGS.

D12 2 - 965 x 2134 x 45 HOLLOW METAL DOORS & FRAME, RECESSED DOOR HARDWARE ON ACTIVITY ROOM SIDE

D13 965 x 2134 x 45 HOLLOW MTL. DR. & FR. INSUL. 3/4 HR. RATING(RM. 130 & 115)

D14 965 x 2134 x 45 OAK SLAB DOOR SOLID CORE, STAIN GRADE, HOLLOW METAL FRAME, KICK PLATES BOTH SIDES

D15 965 x 2134 X 45 OAK SLAB DOOR SOLID CORE, STAIN GRADE, HOLLOW MTL. FR. GLAZING - 6 SINGLE GEO. WIRED FOR RM. 116 & BETWEEN 109 & 118 GLAZING - 6 SINGLE TEMPERED ALL OTHER AREAS, GLAZING ON LATCH SIDE OF DOOR, 3/4 HR. RATING(RM. 116, & BETWEEN 109&118)

D16 965 x 2134 x 45 POCKET DOOR, OAK SLAB SOLID CORE, STAIN GRADE HOLLOW MTL. FRAME

D17 965 x 2134 x 45 DUTCH DOOR, OAK SLAB SOLID CORE, STAIN GRADE HOLLOW MTL. FRAME 950 WIDE X 900 HIGH FIXED INTERIOR WINDOW SINGLE 6 MIL. TEMPERED GLAZING

D18 2 - 1050 X 2134 BIFOLD DOORS OAK FINISH WITH LOUVERS STAIN GRADE, WOOD FRAME AND TRIM

D19 500 x 2134 x 35 CLOSET DOOR, HOLLOW CORE, STAIN GRADE HOLLOW MTL. FRAME

D20 1470 X 2134 SLIDING DOOR OAK FINISH, HOLLOW CORE VERIFY DIMENSIONS ON SITE

D21 5885 WIDE X 2615 HIGH WOOD FOLDING ACCORDION DOORS & TRACK VERIFY DIMENSIONS ON SITE

D22 3265 WIDE X 2315 HIGH WOOD FOLDING ACCORD. DRS. & TRACK VERIFY DIMENSIONS ON SITE

D23 4330 WIDE X 2315 HIGH

D24 3685 WIDE X 2700 HIGH WOOD FOLDING ACCORD. DRS. & TRACK VERIFY DIMENSIONS ON SITE

D25 2-450X2134 OAK DOOR WITH LOUVERS WOOD FRAME AND TRIM

NOTE: ALL DOOR FRAMES SHALL HAVE 66 MM. X 146 MM. HEADS AND 51 MM. X 146 MM. JAMBS.

200 WD. SHELF C/W PLASTIC LAMINATE FINISH, FLUSH ON ACTIVITY ROOM SIDE

ELECTRONIC WOOD OPERATOR, ROLLING SHUTTER DOOR & TRACK CONTROLS TO BE PROVIDED BY SHUTTER SUPPLIER

200 WD. SHELF C/W PLASTIC LAMINATE FINISH, FLUSH ON LOUNGE SIDE

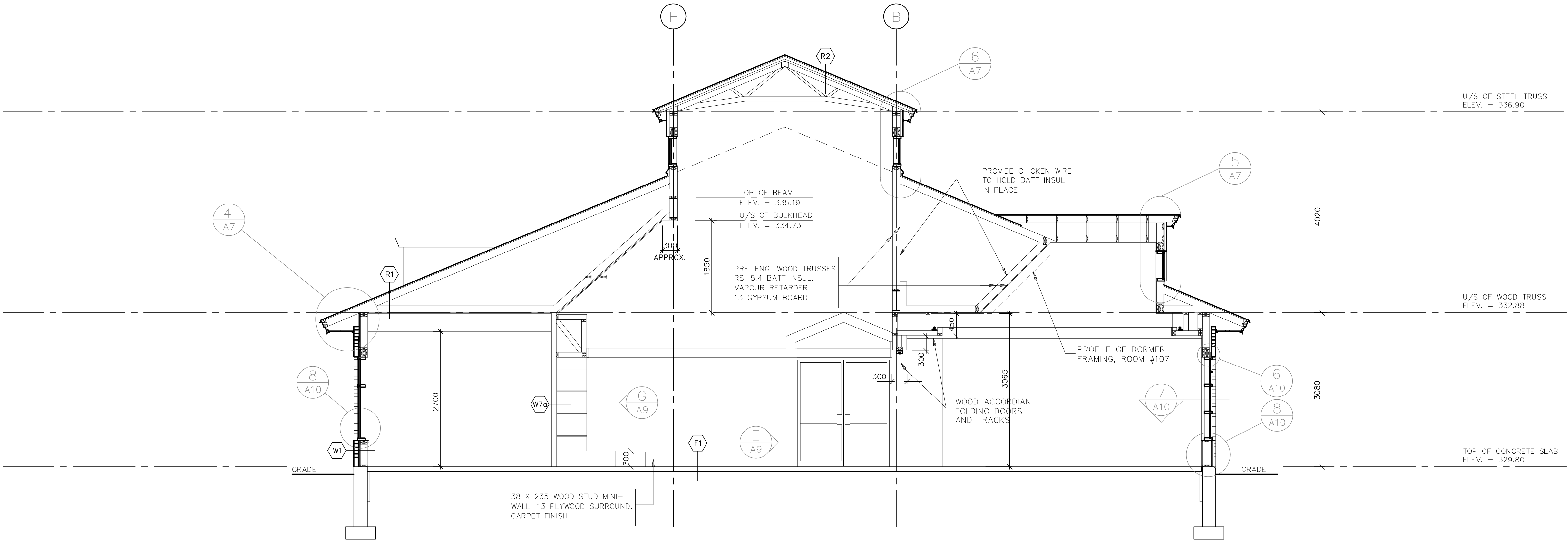
CEILING HEIGHT

Snider
Reichard
March
Architects

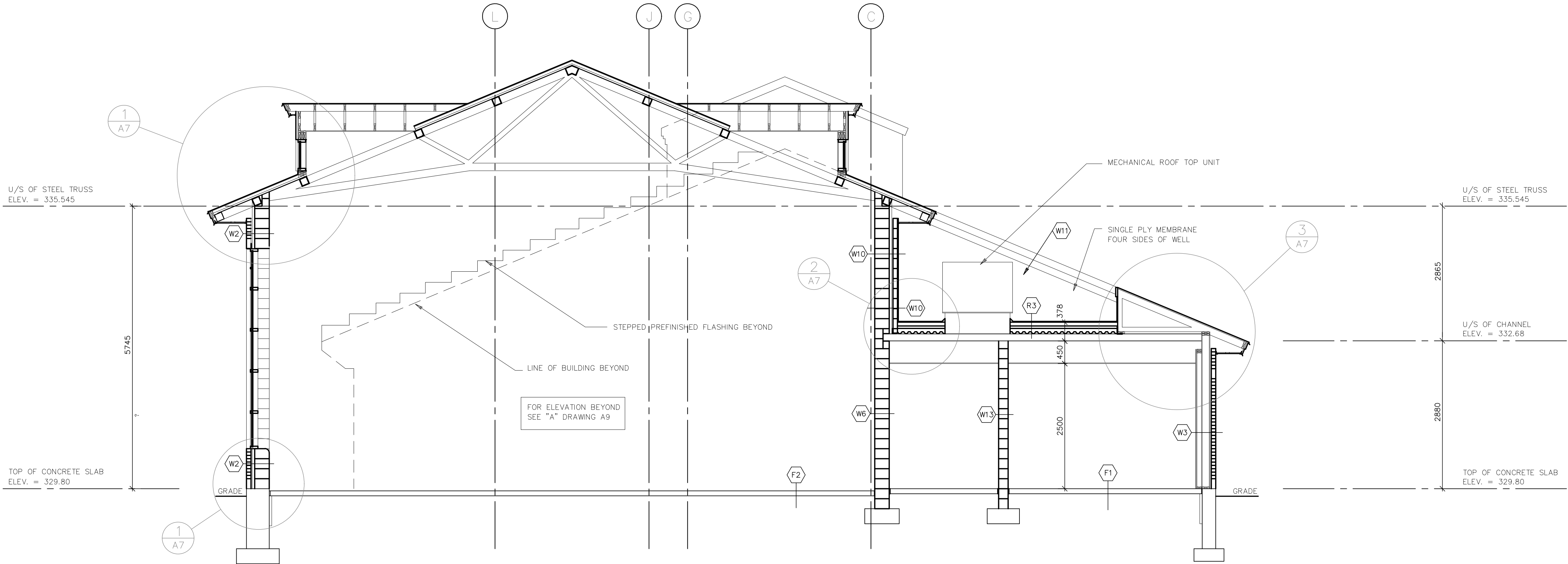
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SECTION 1



SECTION 2



TENDER # 92-43

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SECTIONS

JOB NO.	9081	DRAWN	M.M.
DATE	JUNE 16/92	DWG. NO	A6
SCALE	1=50		

MILL/COURTLAND
COMMUNITY CENTRE
MILL & STIRLING

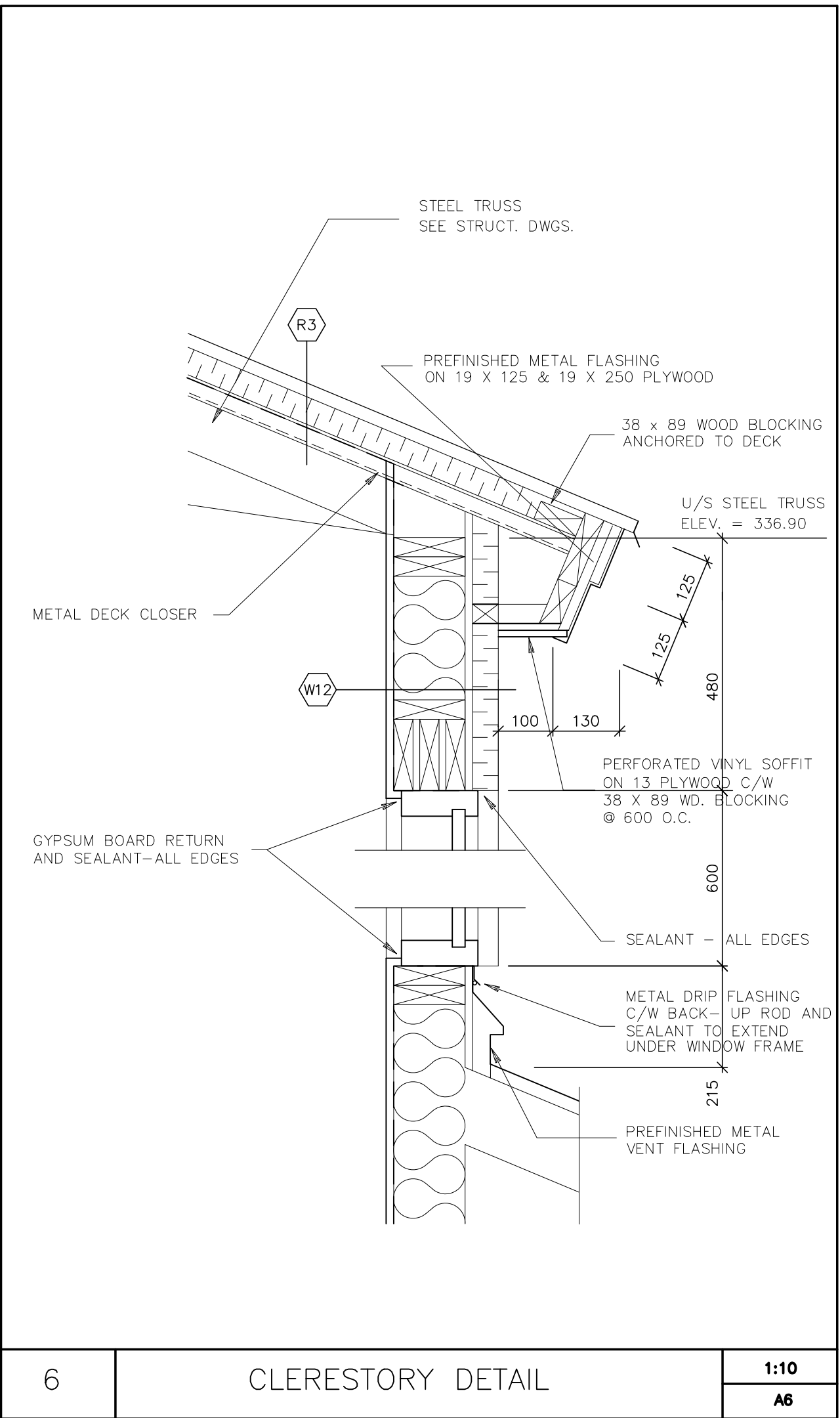
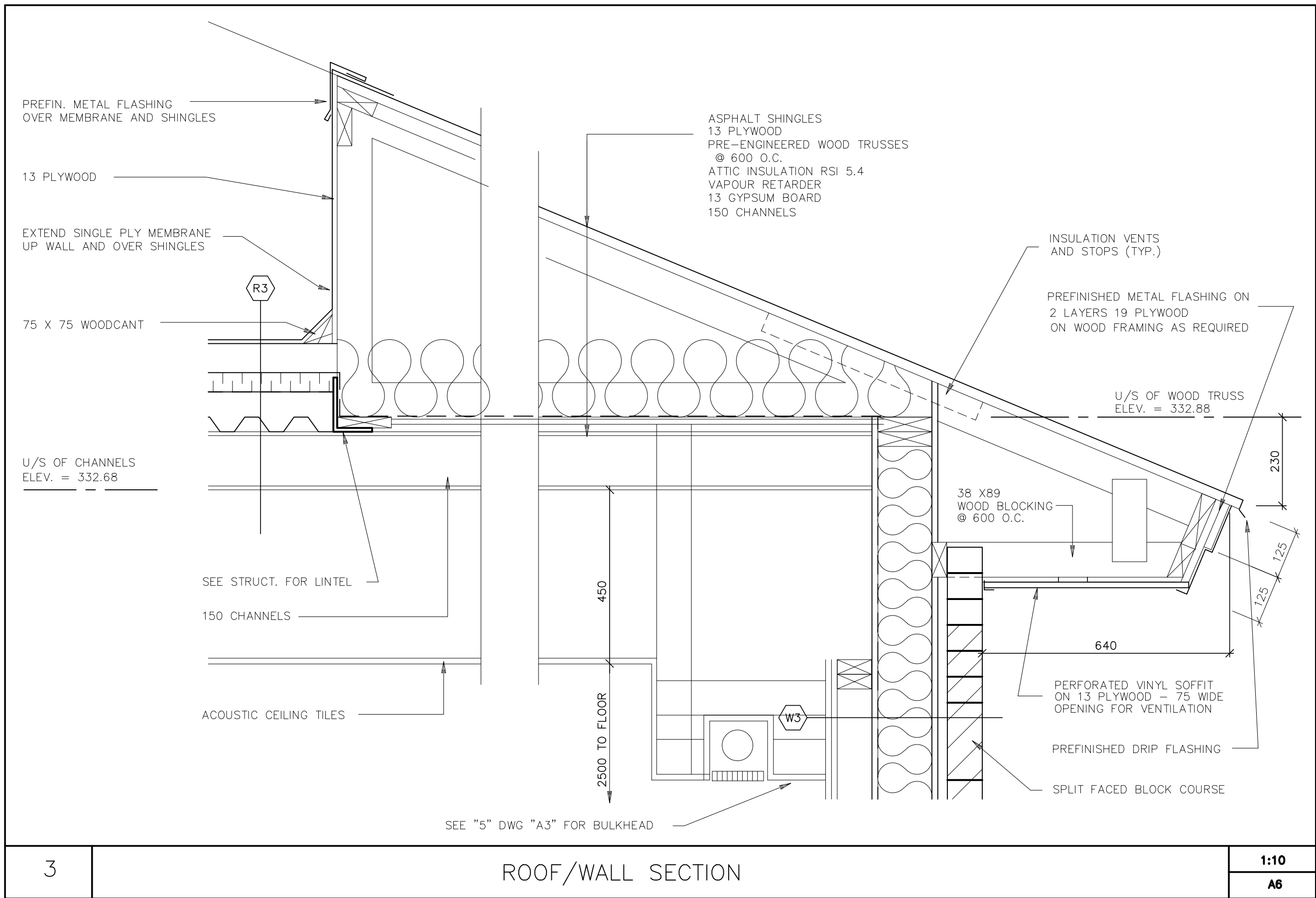
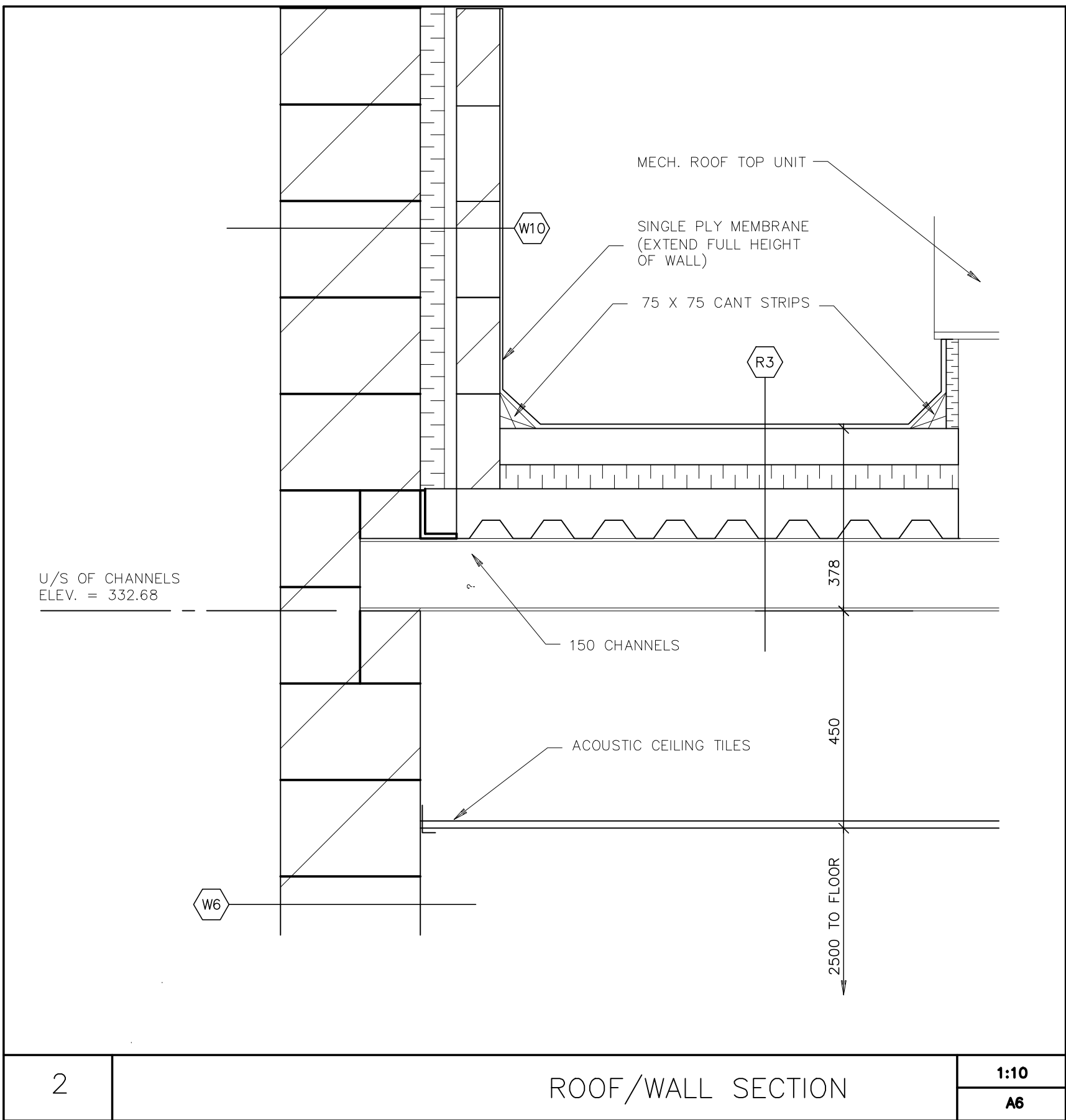
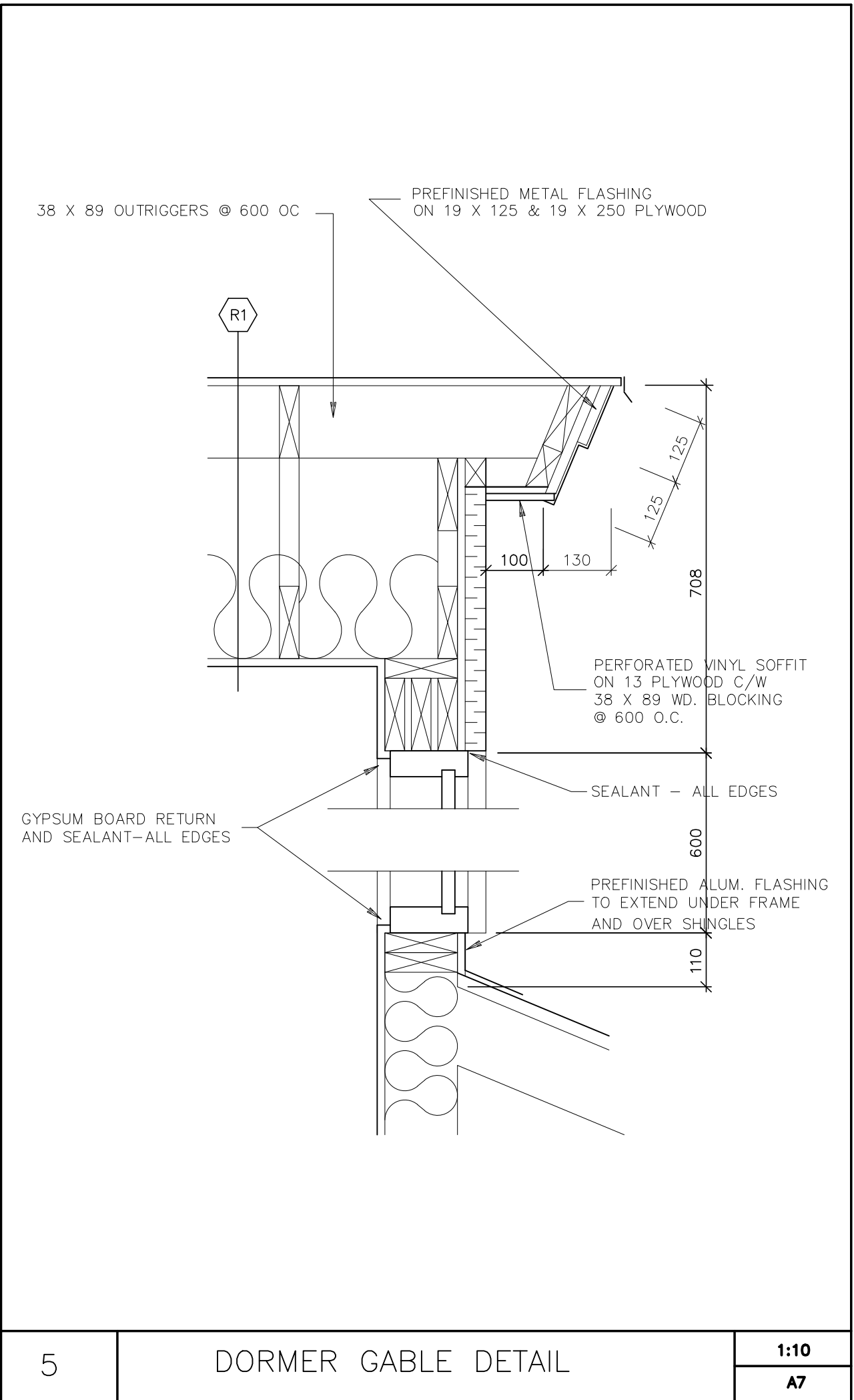
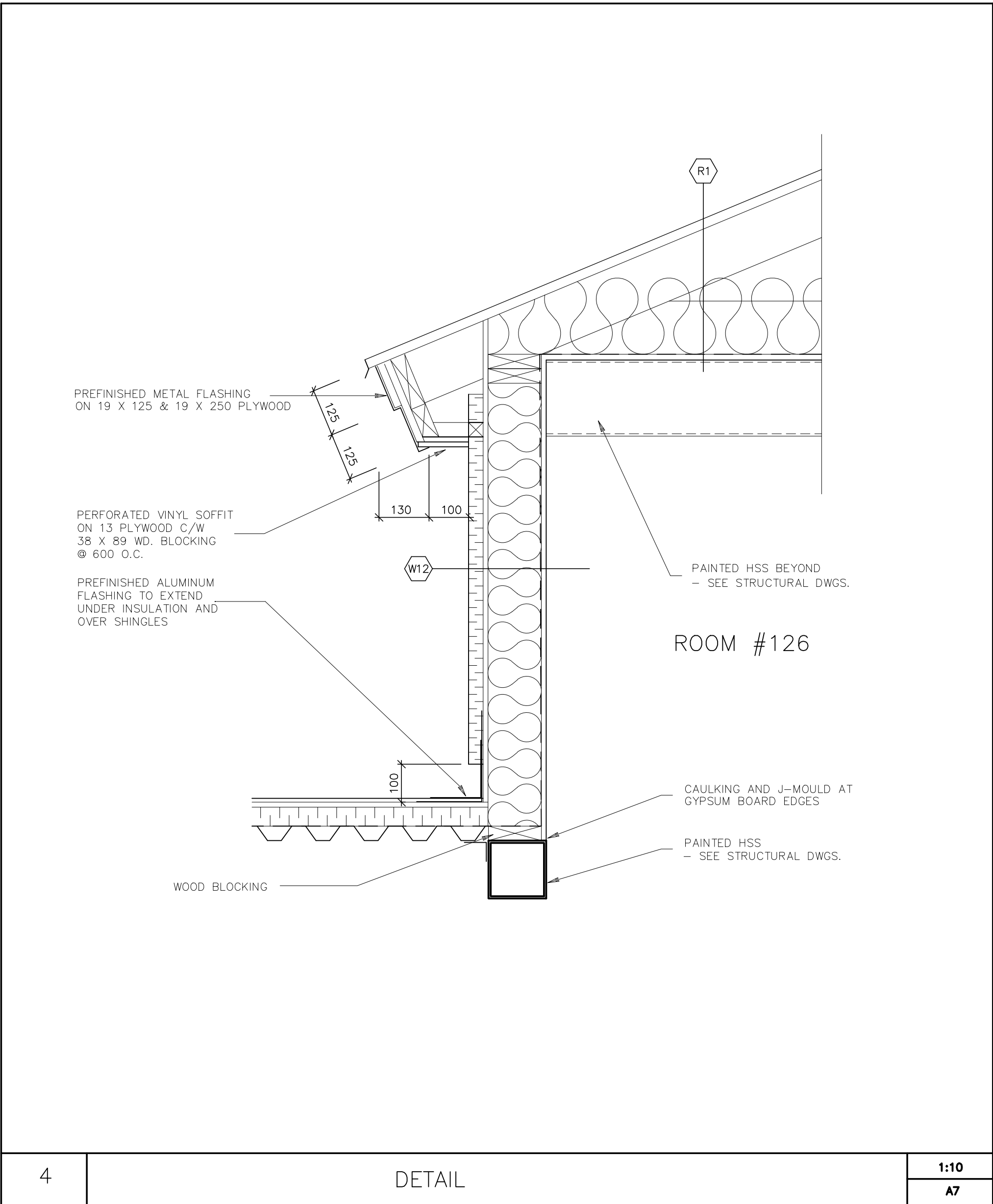
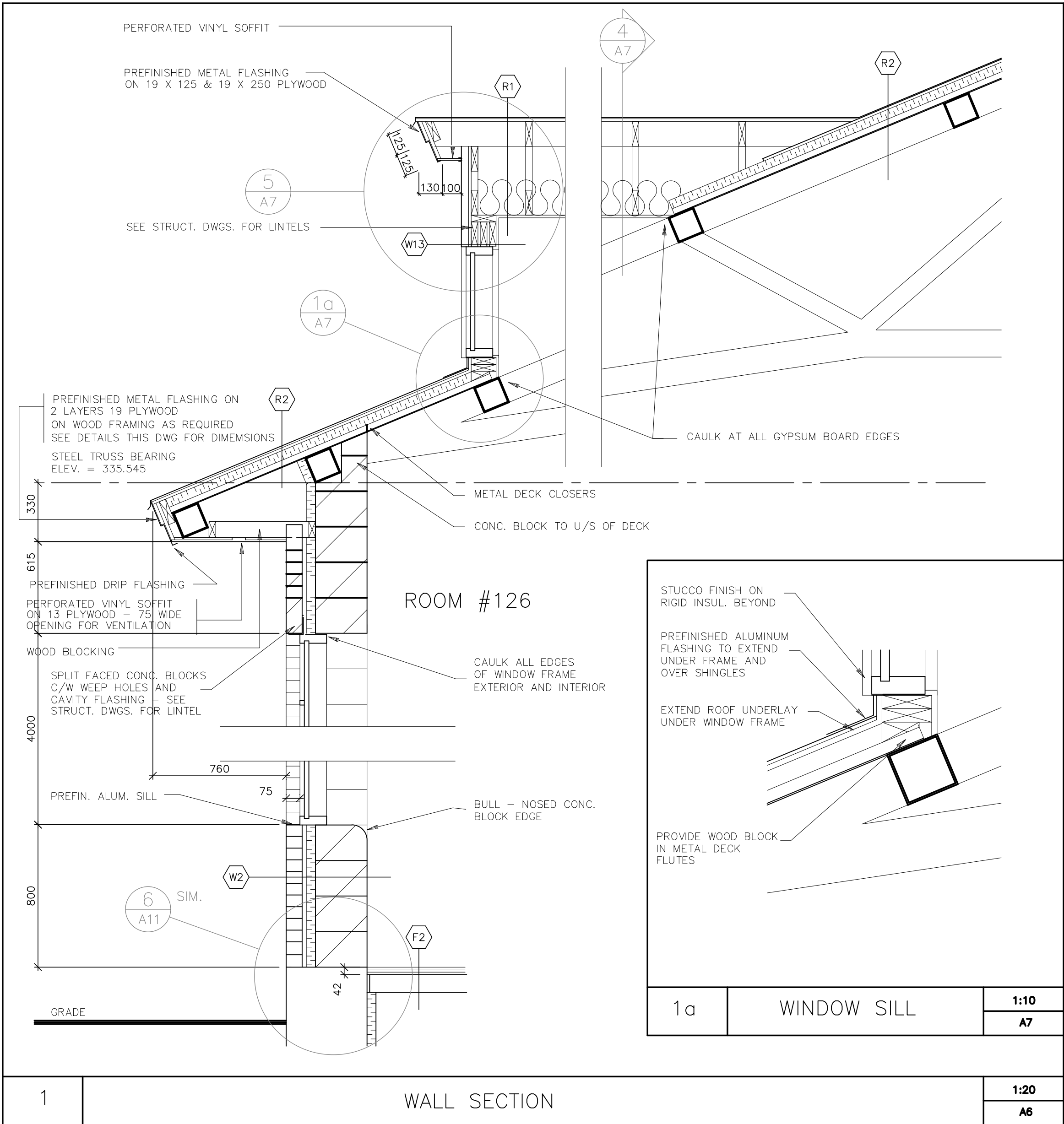
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DATE	JUNE 16/92	DWG. NO	A7
SCALE	1:10		

MILL/COURTLAND
COMMUNITY CENTRE

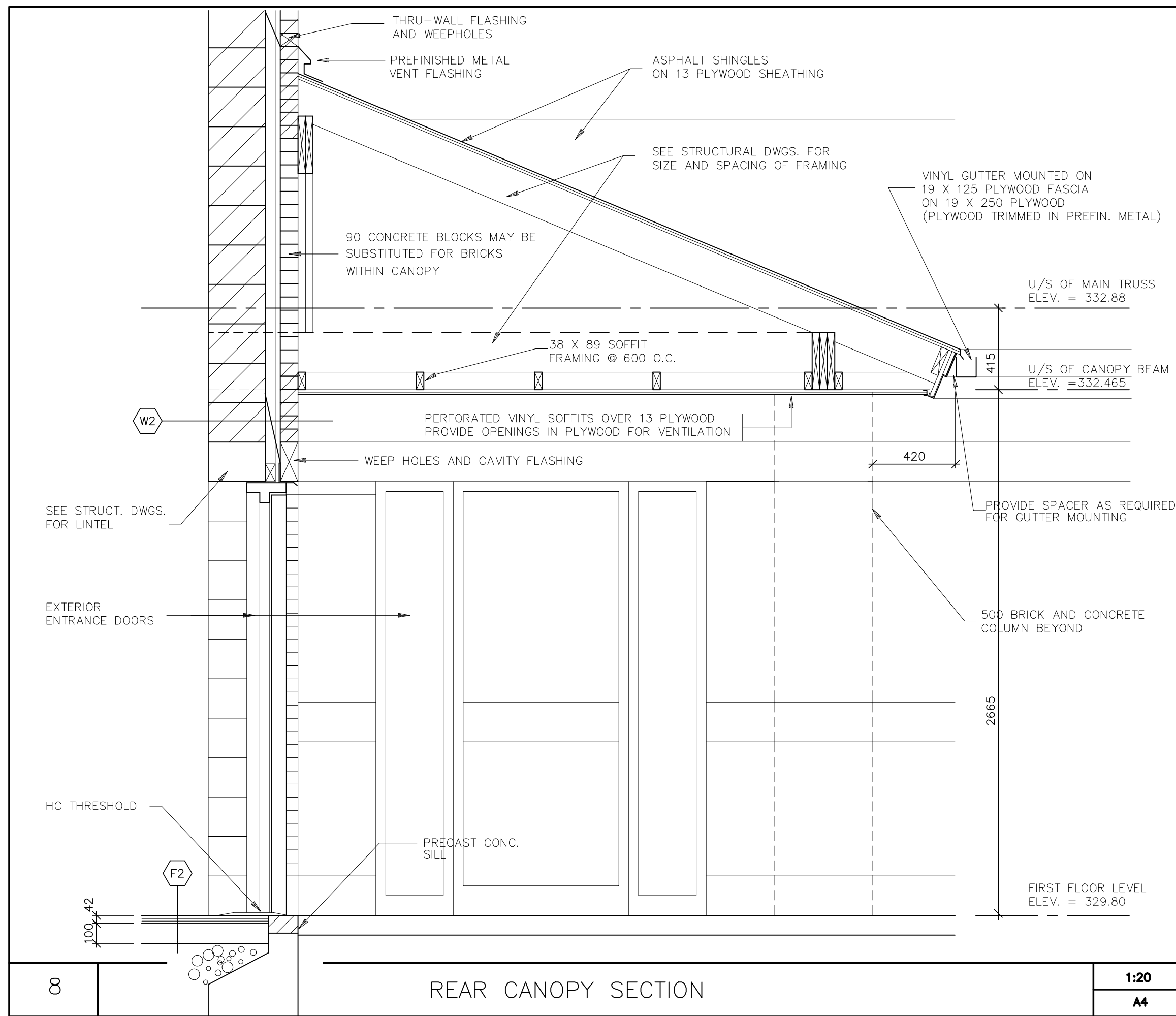
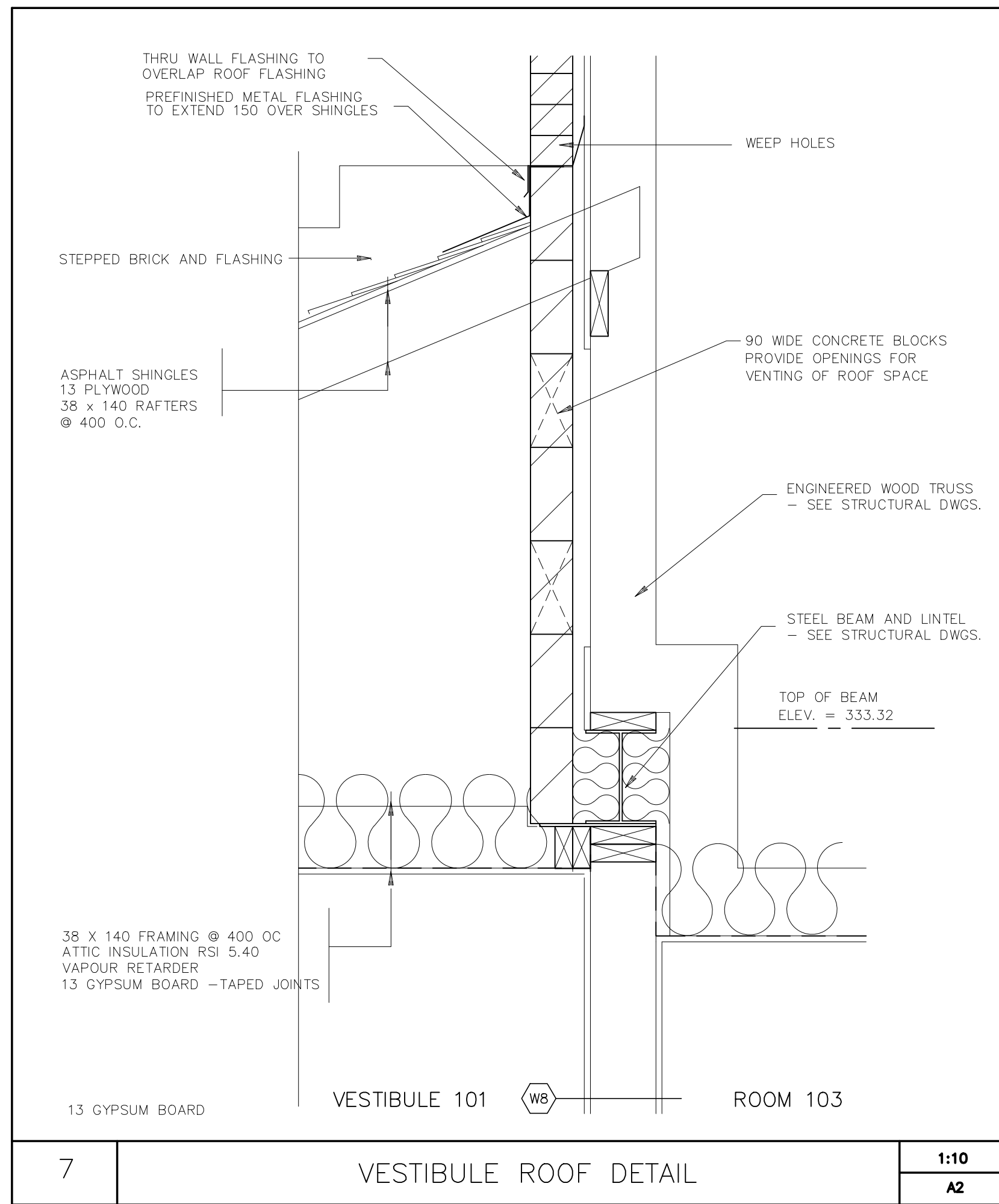
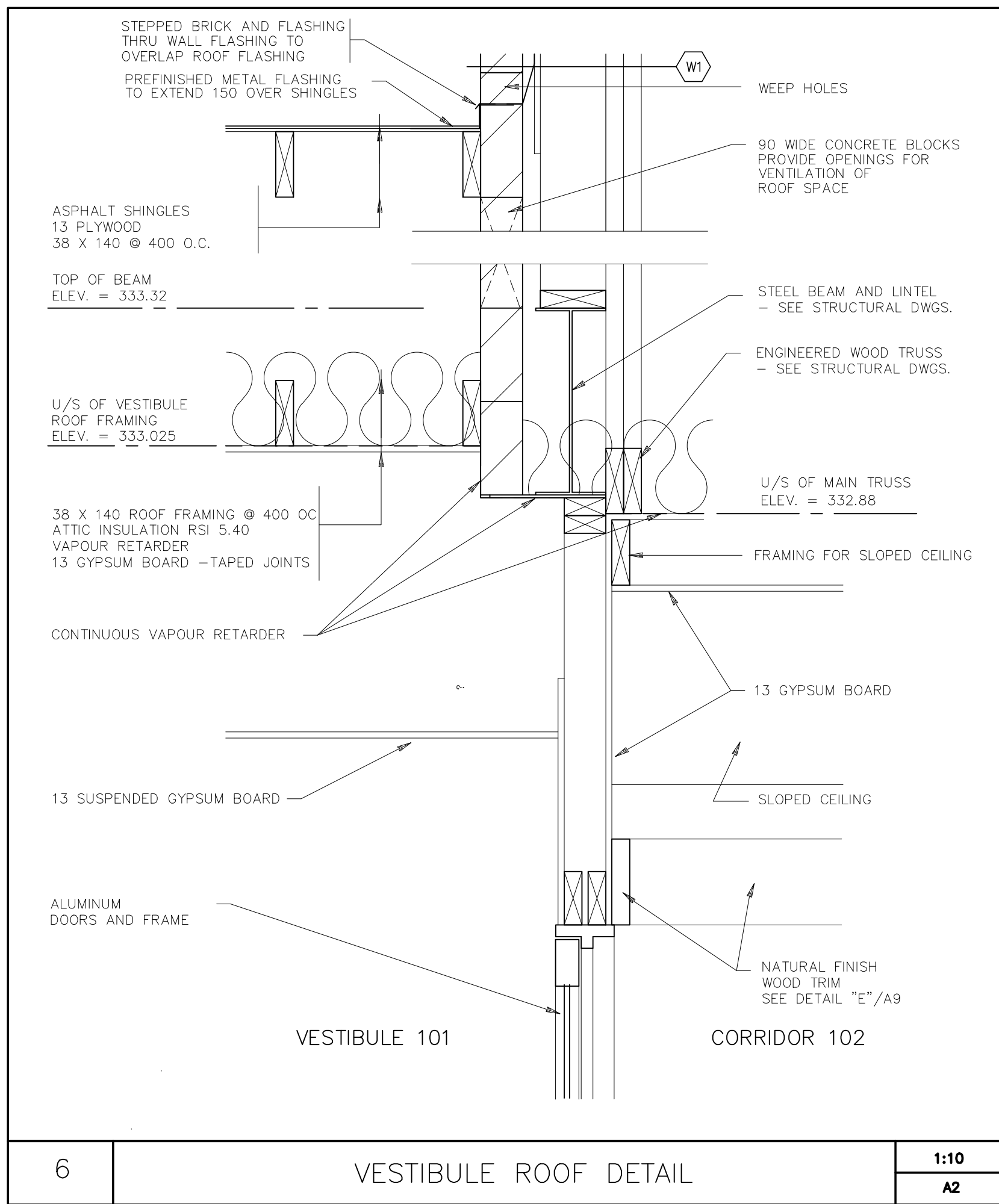
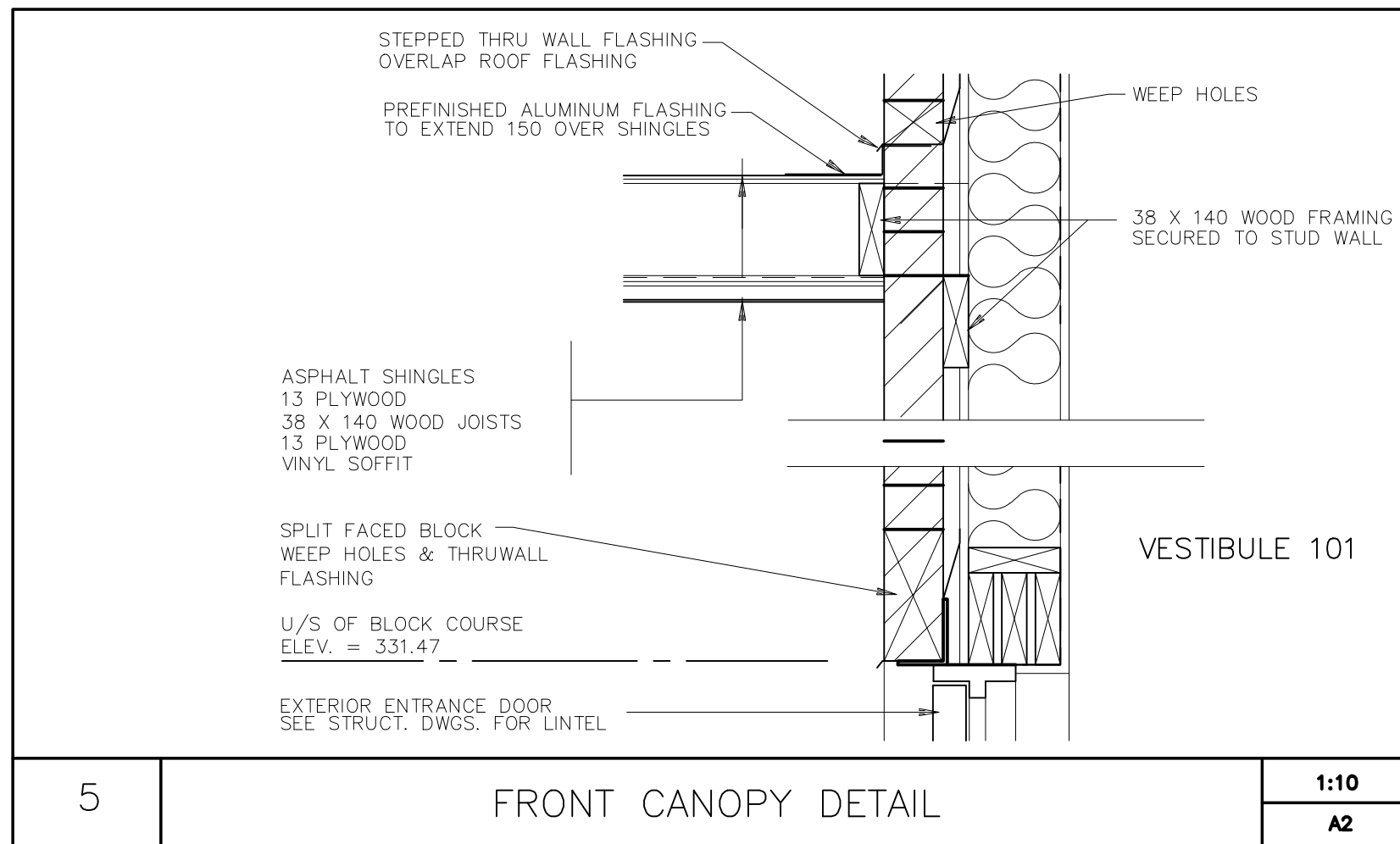
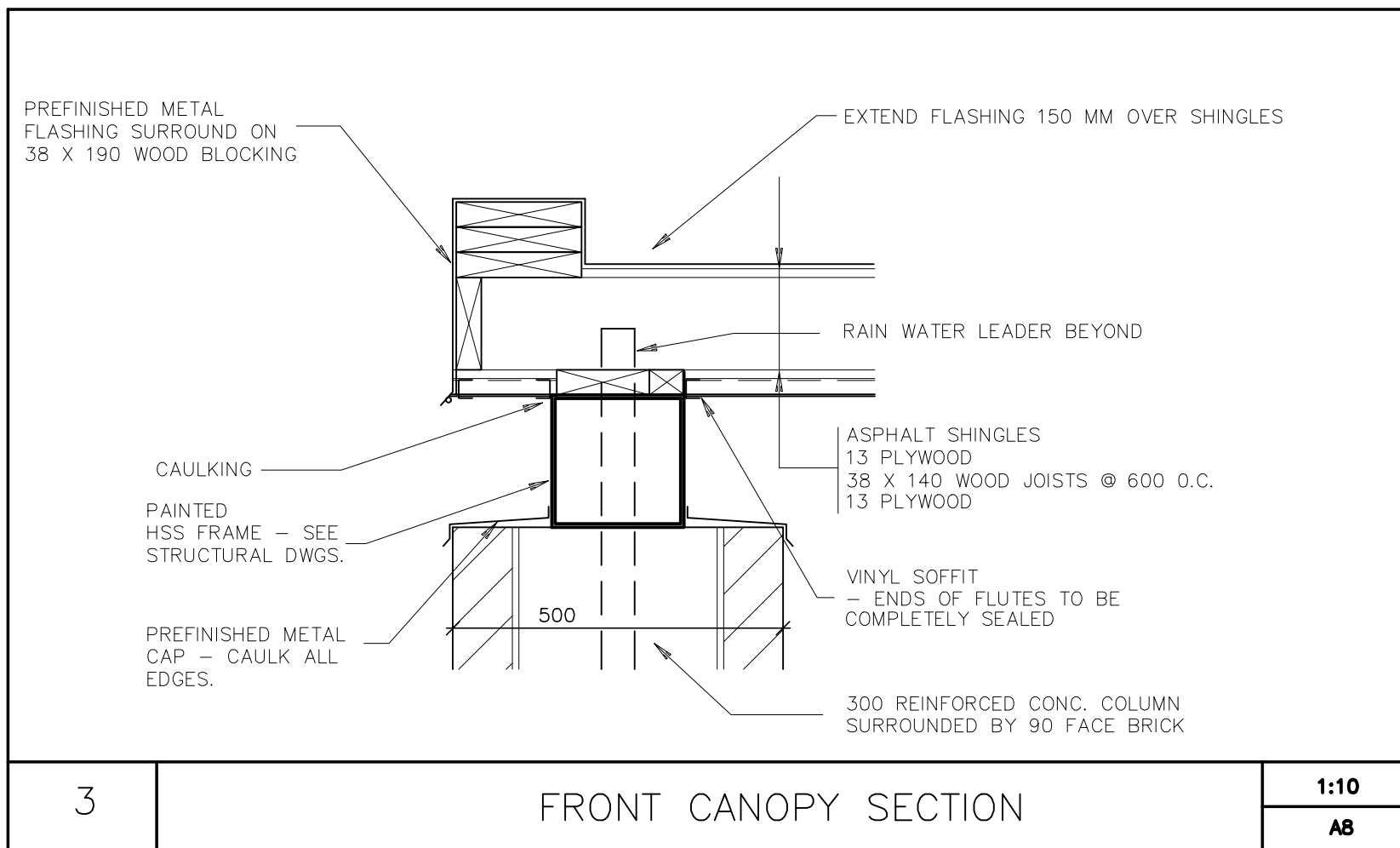
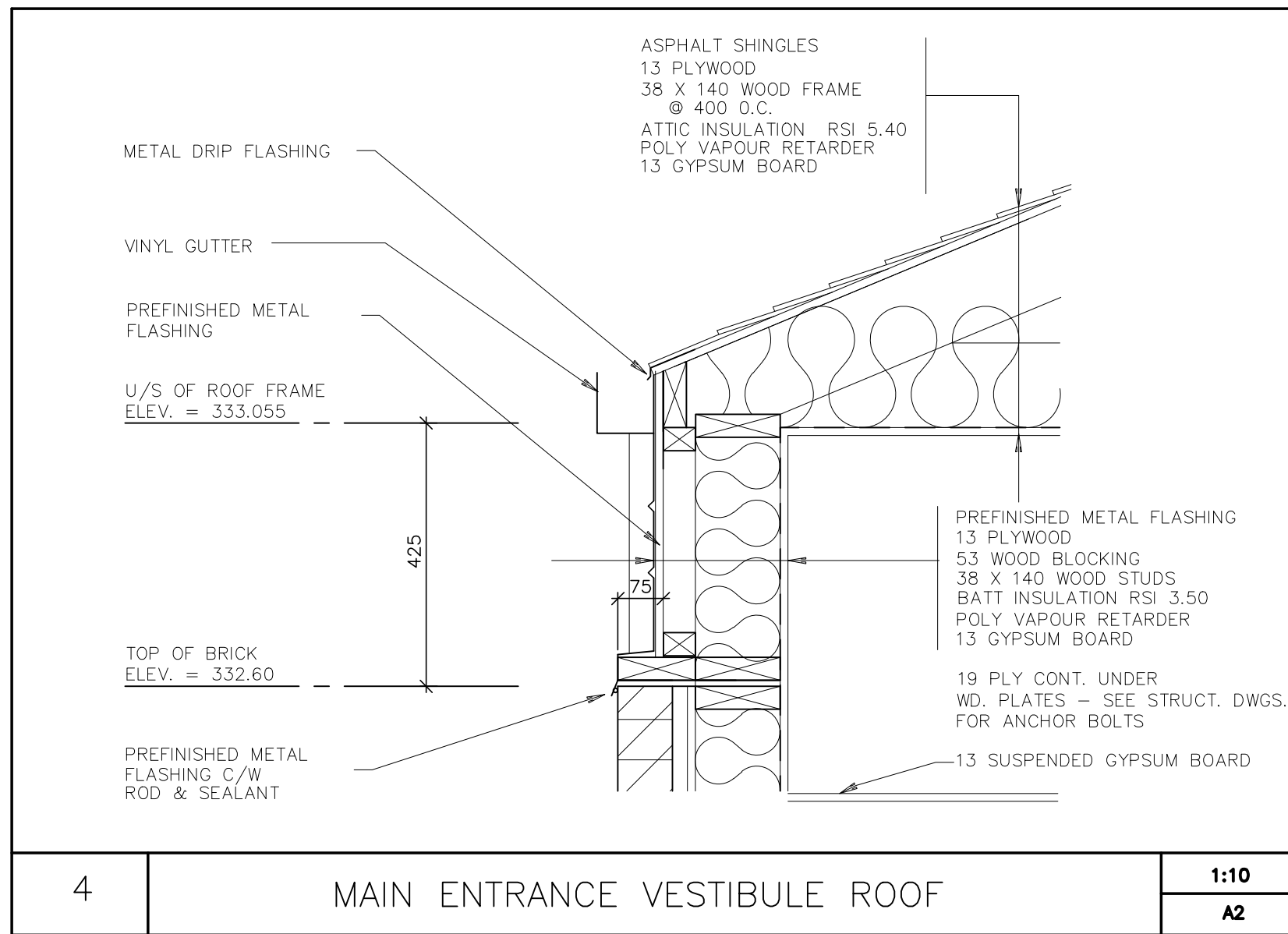
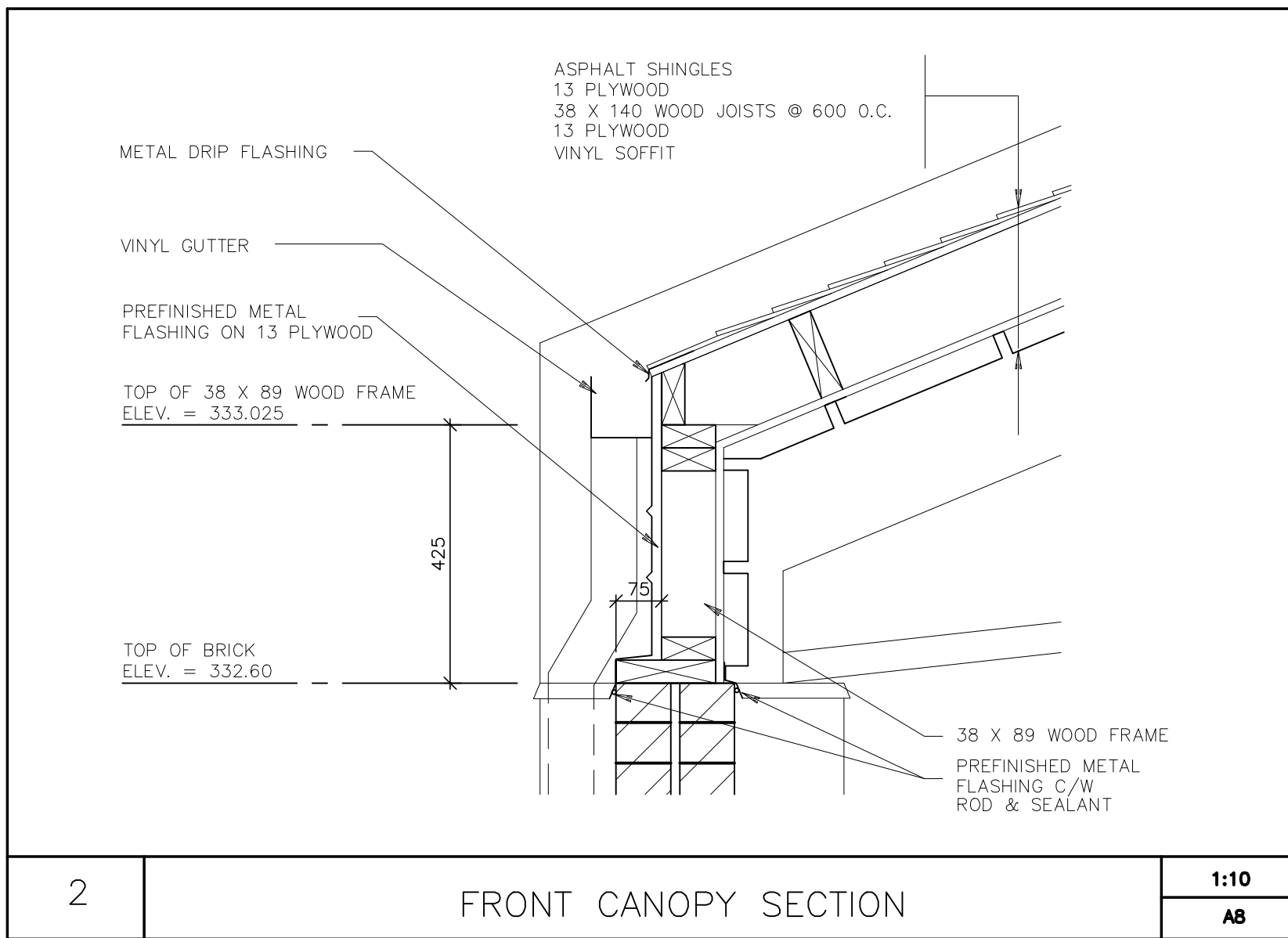
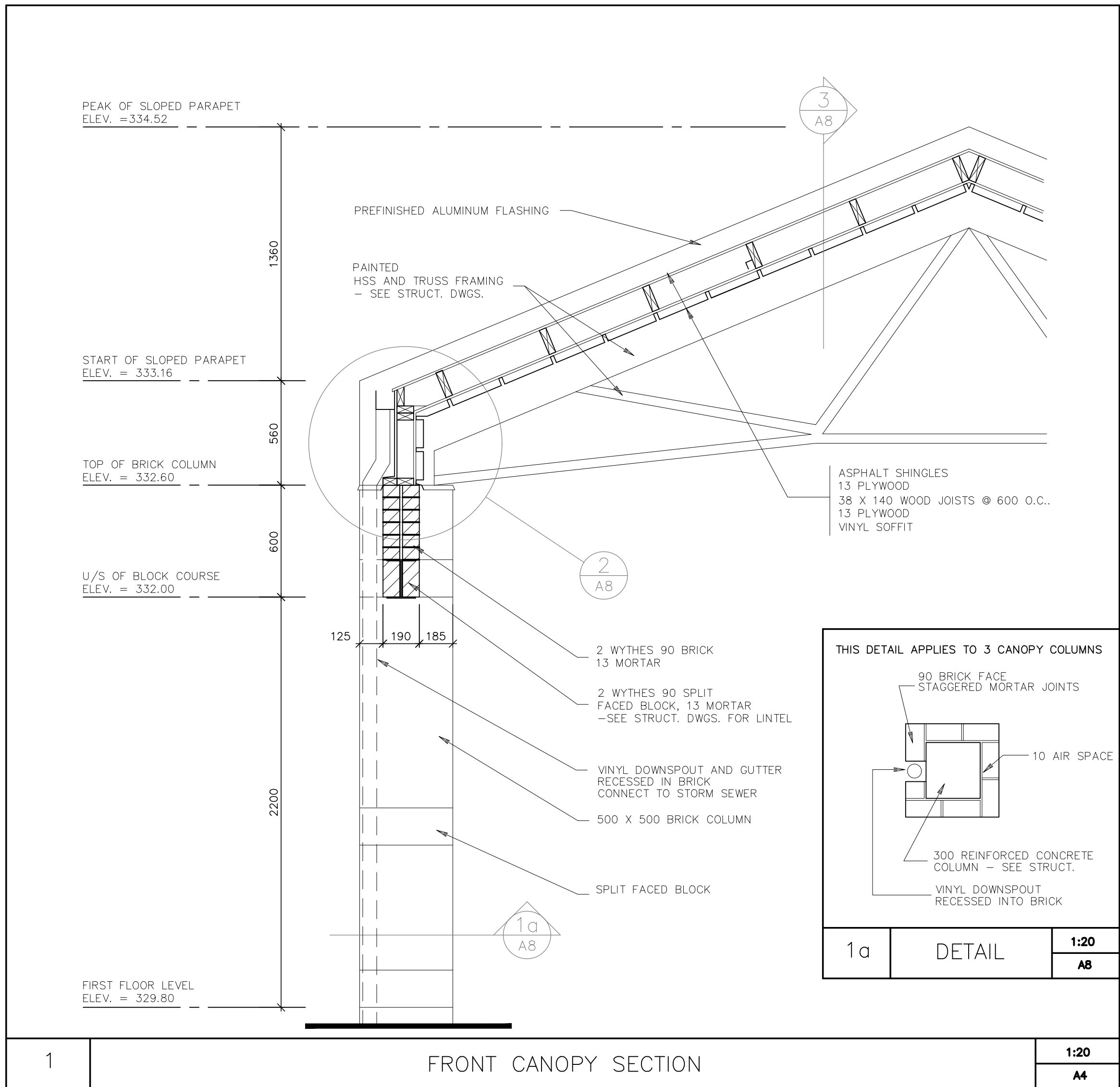
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DETAILS

JOB NO.	9081	DRAWN	M.M.
DATE	JUNE 16/92	DWG. NO	A8
SCALE	AS NOTED		

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NOTE: ALL CUPBOARDS TO BE LOCKABLE

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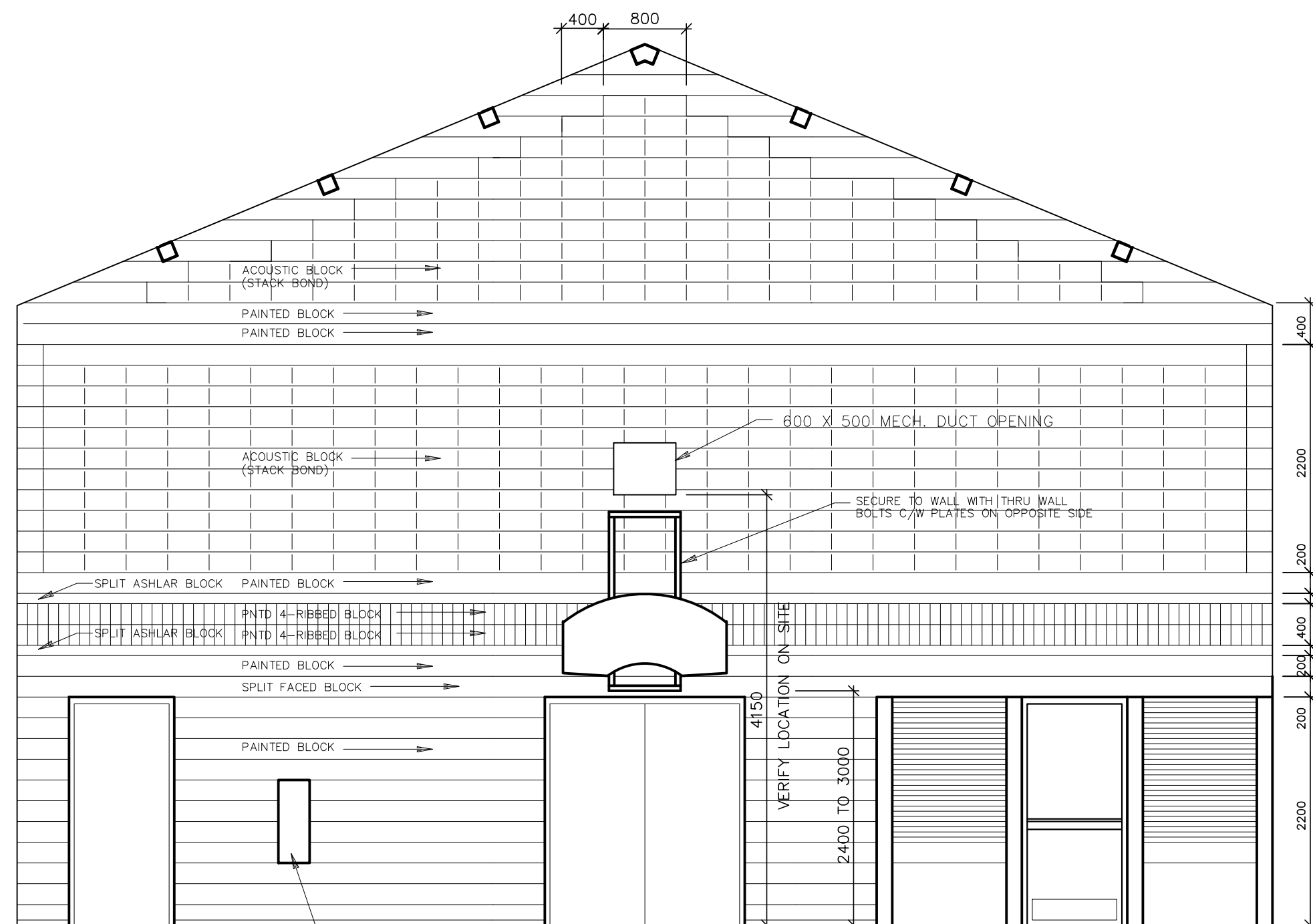
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INTERIOR ELEVATIONS

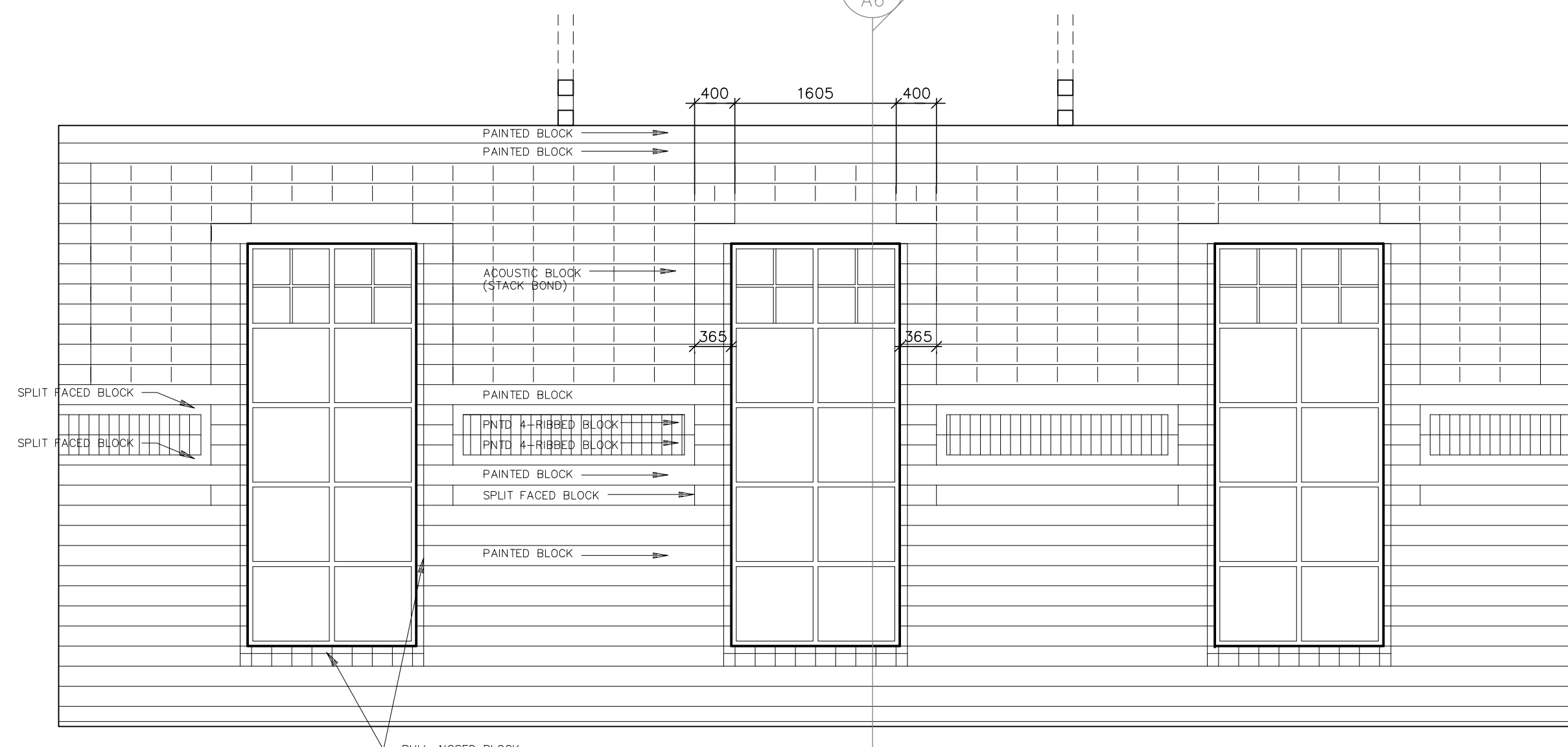
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SCALE	1=50		

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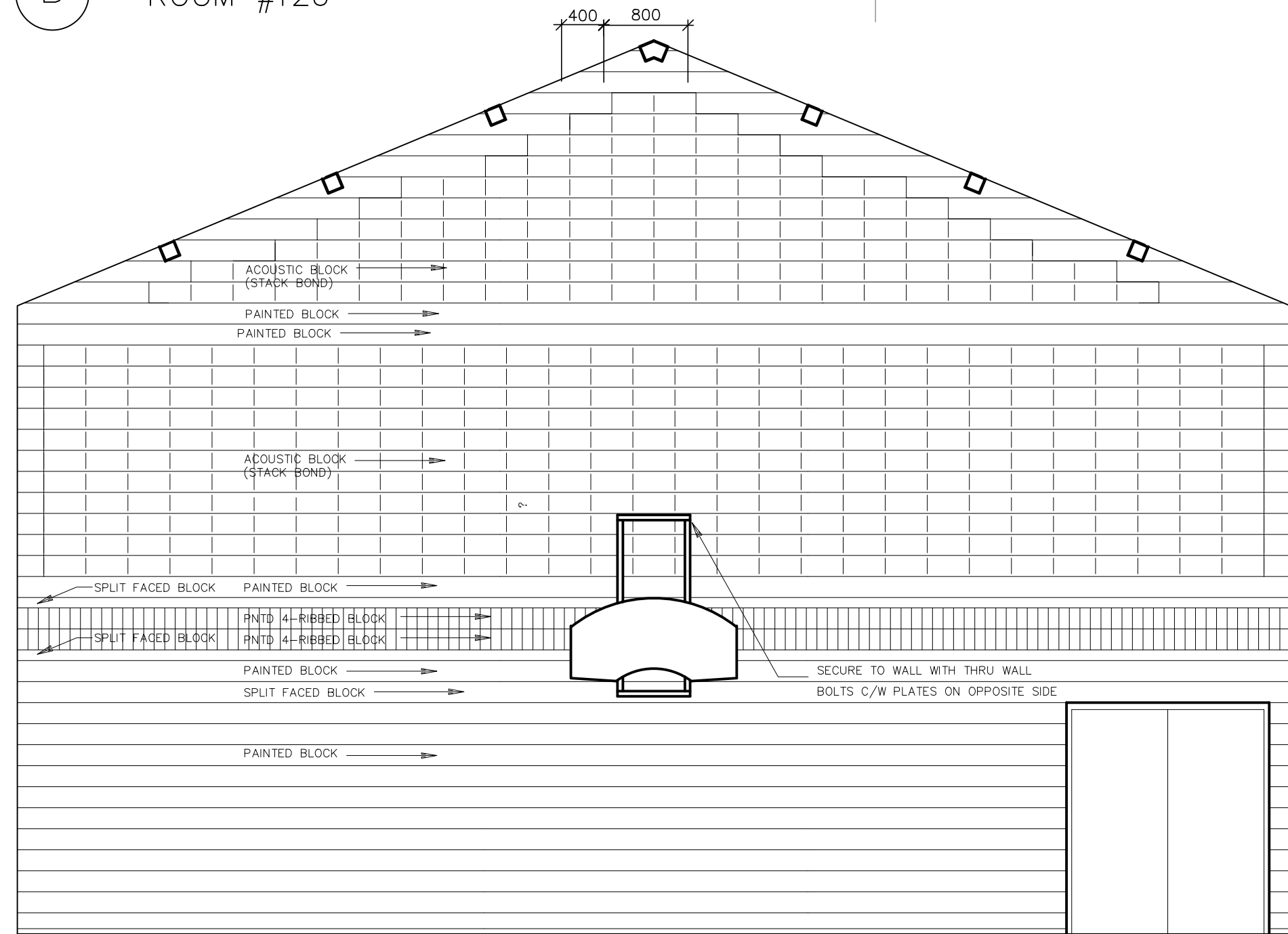
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A ROOM #126



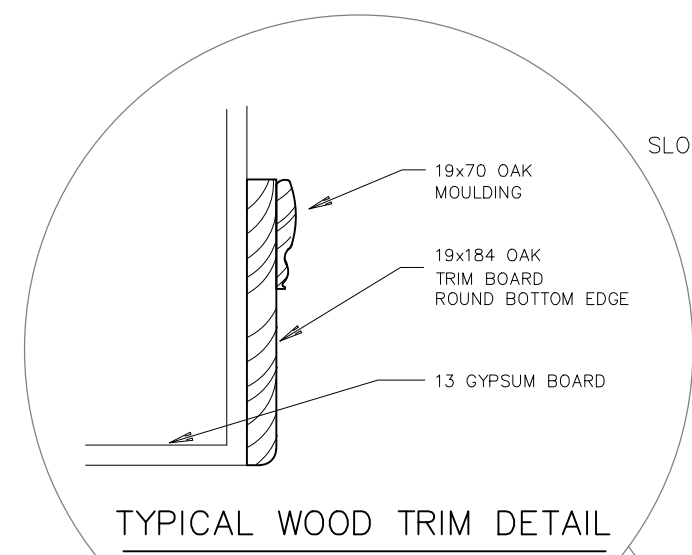
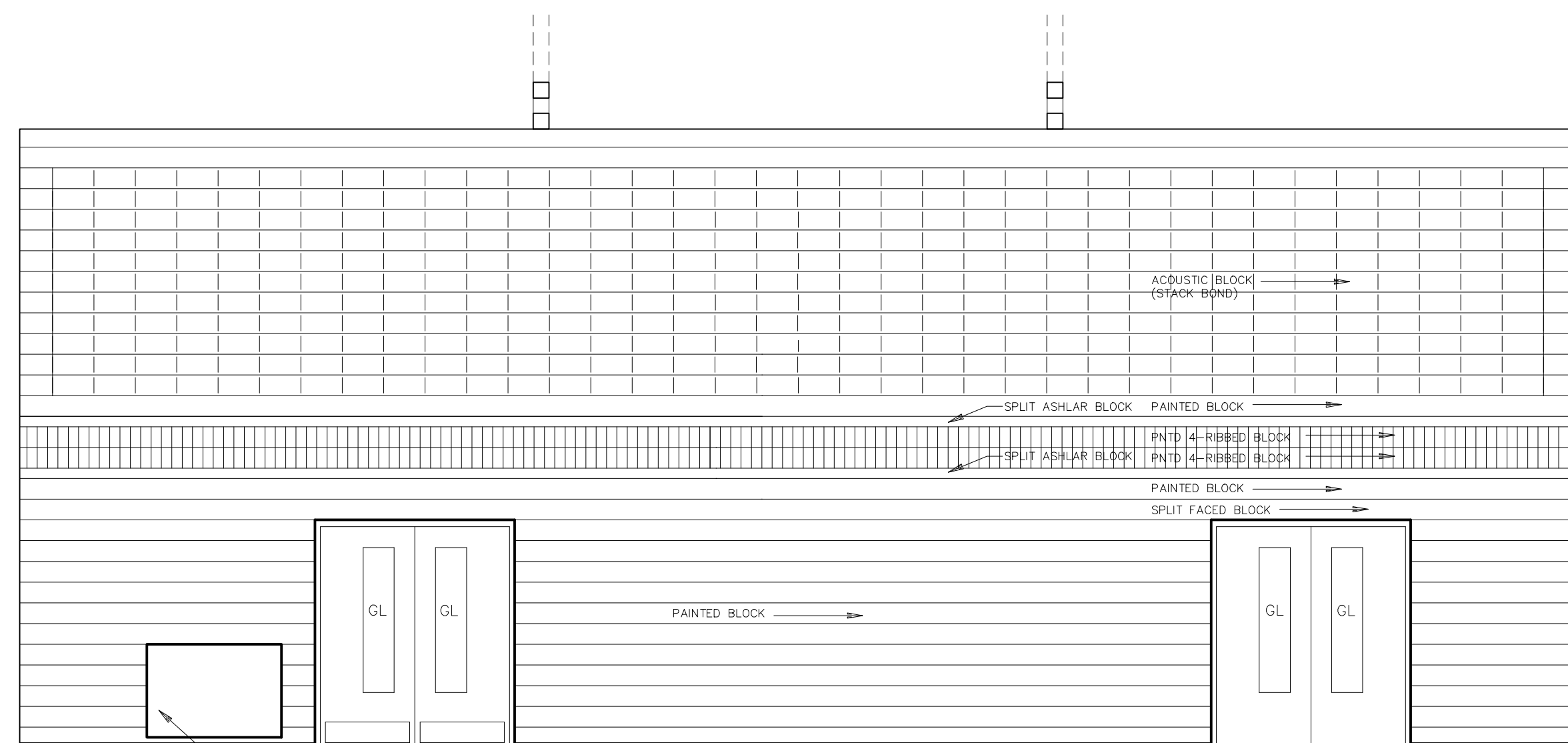
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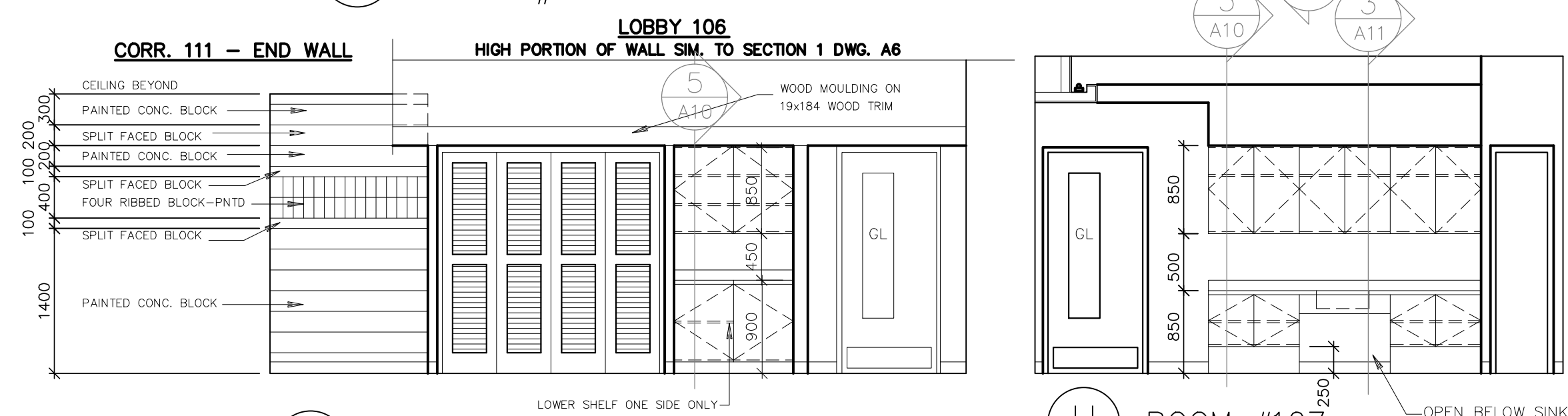
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GENERAL NOTE: ALL CABINETS TO BE LOCKABLE

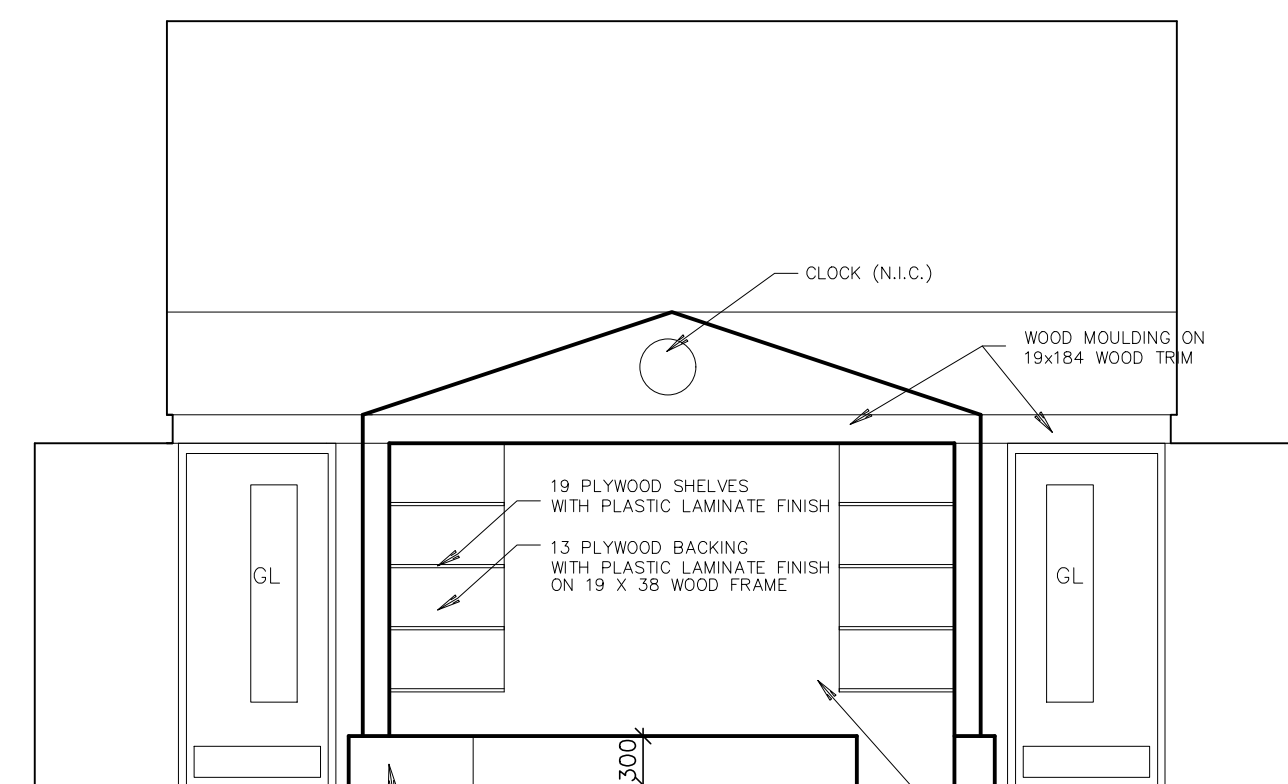
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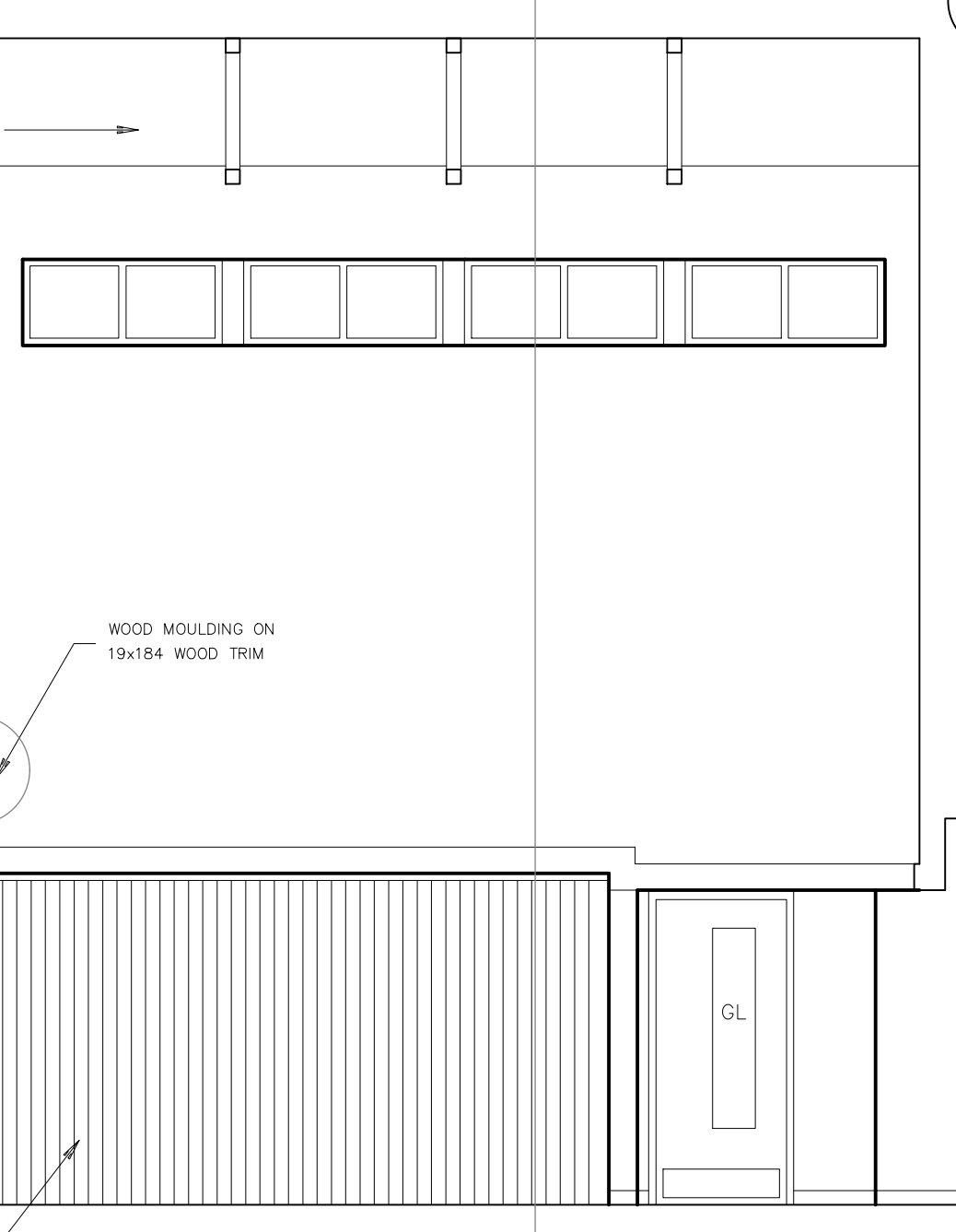
E CORRIDOR #102 & ROOM #106



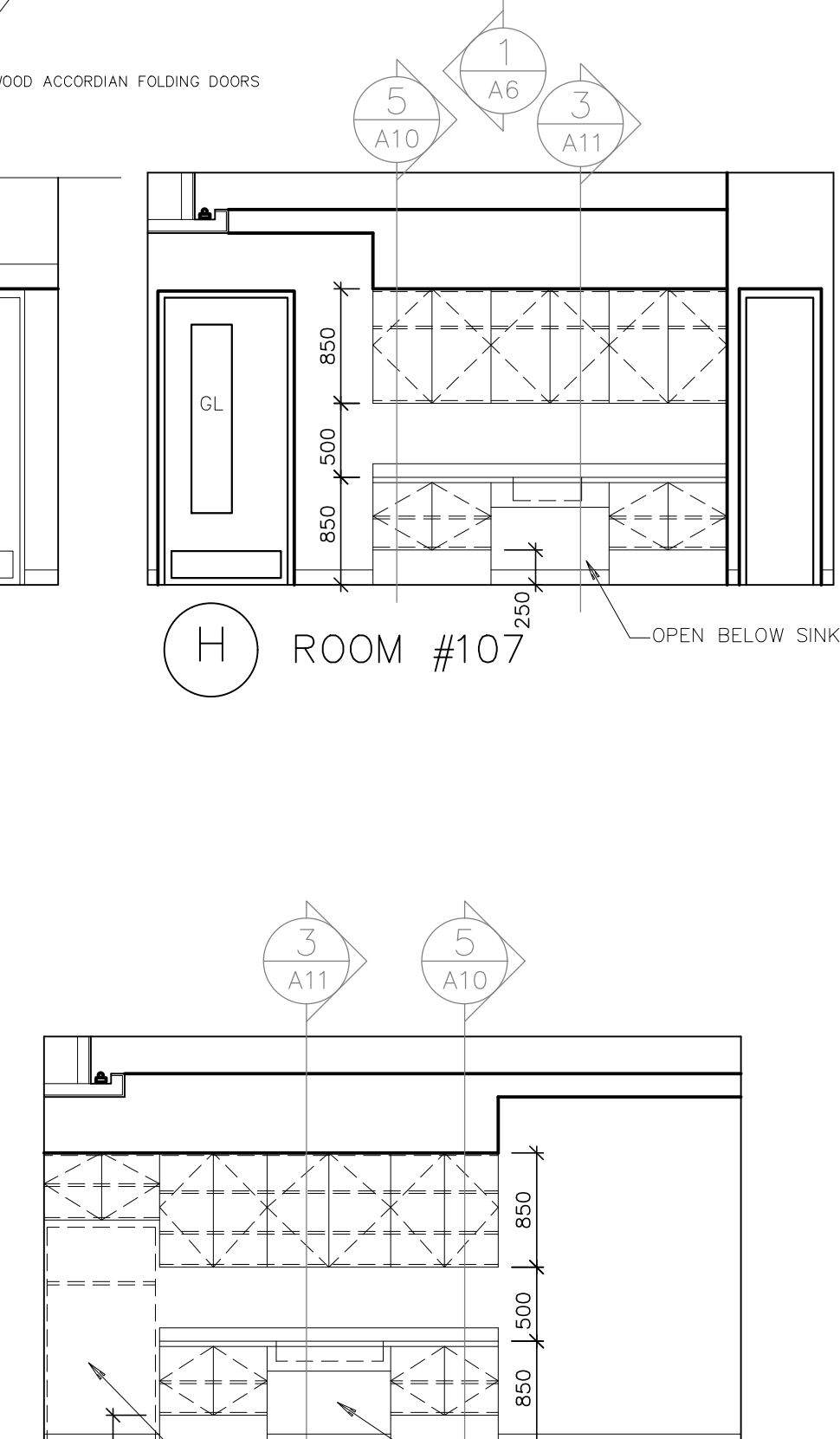
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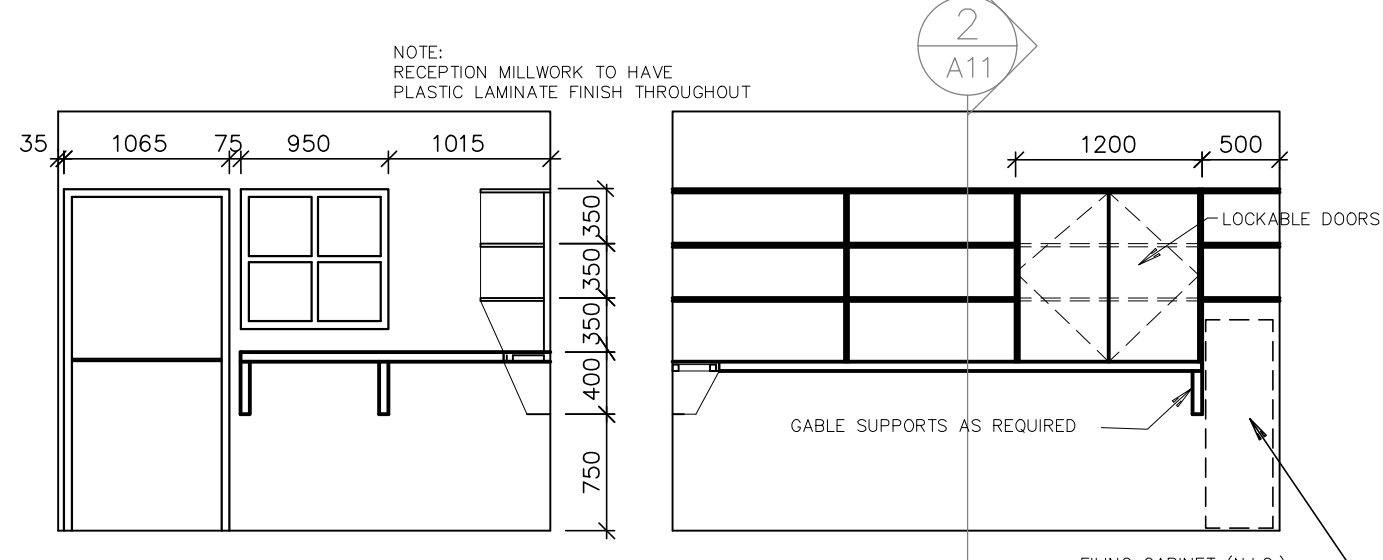
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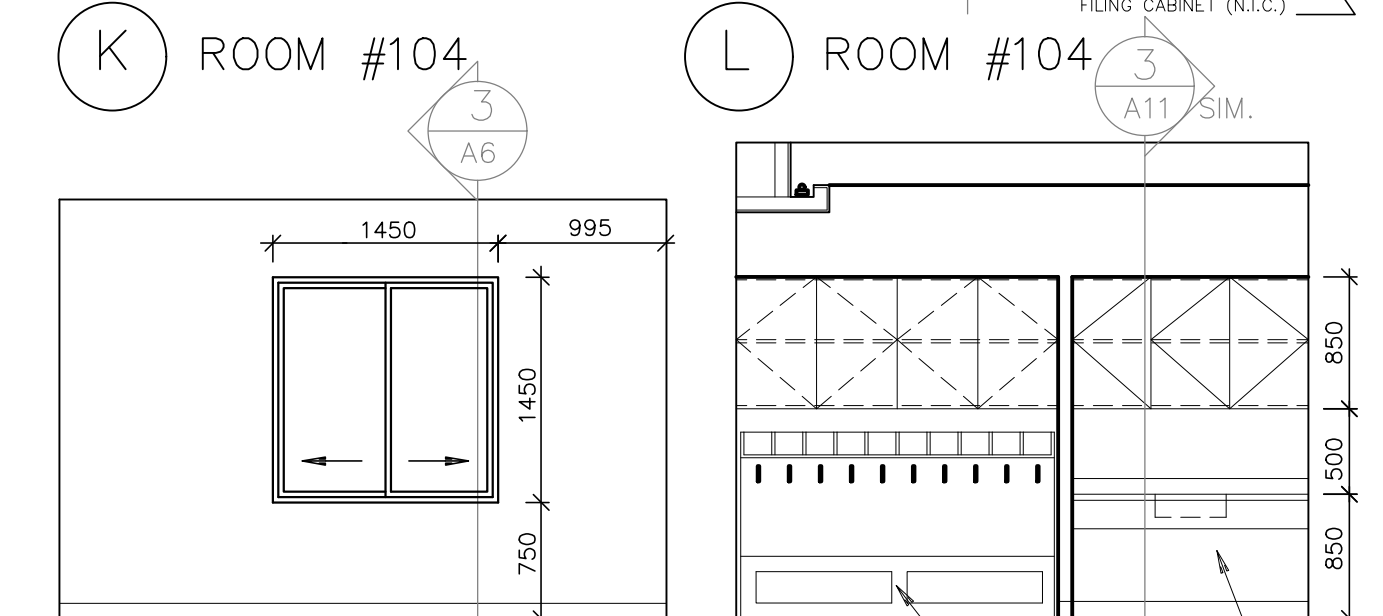
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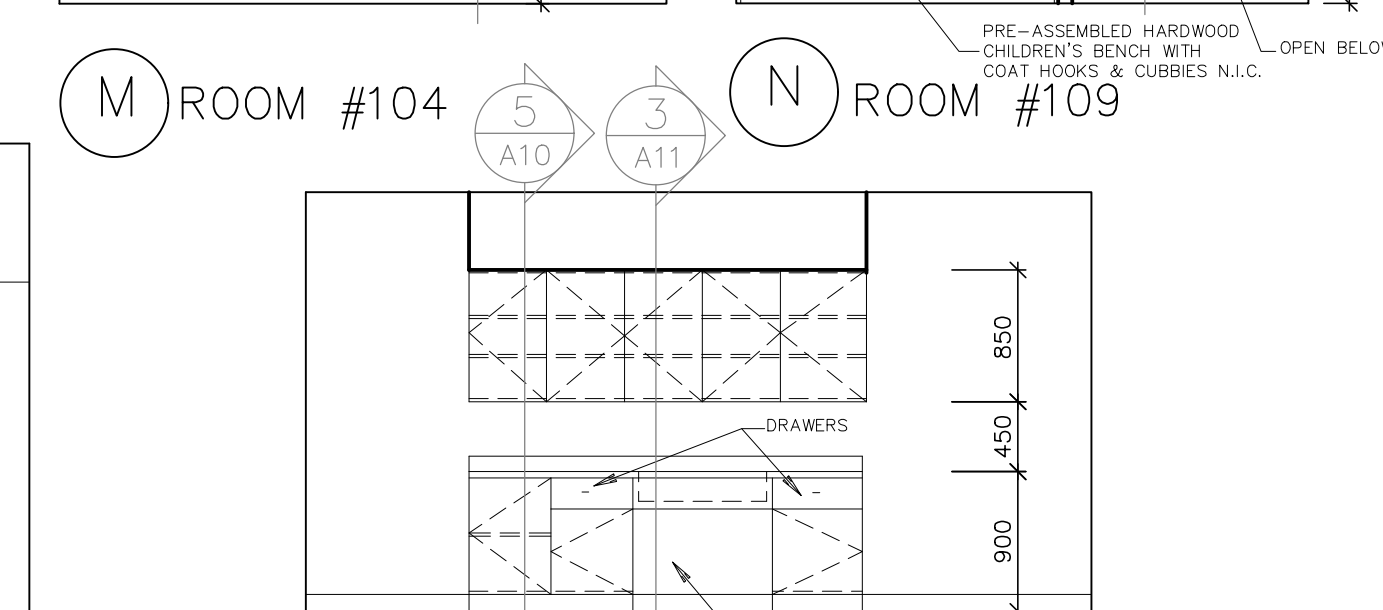
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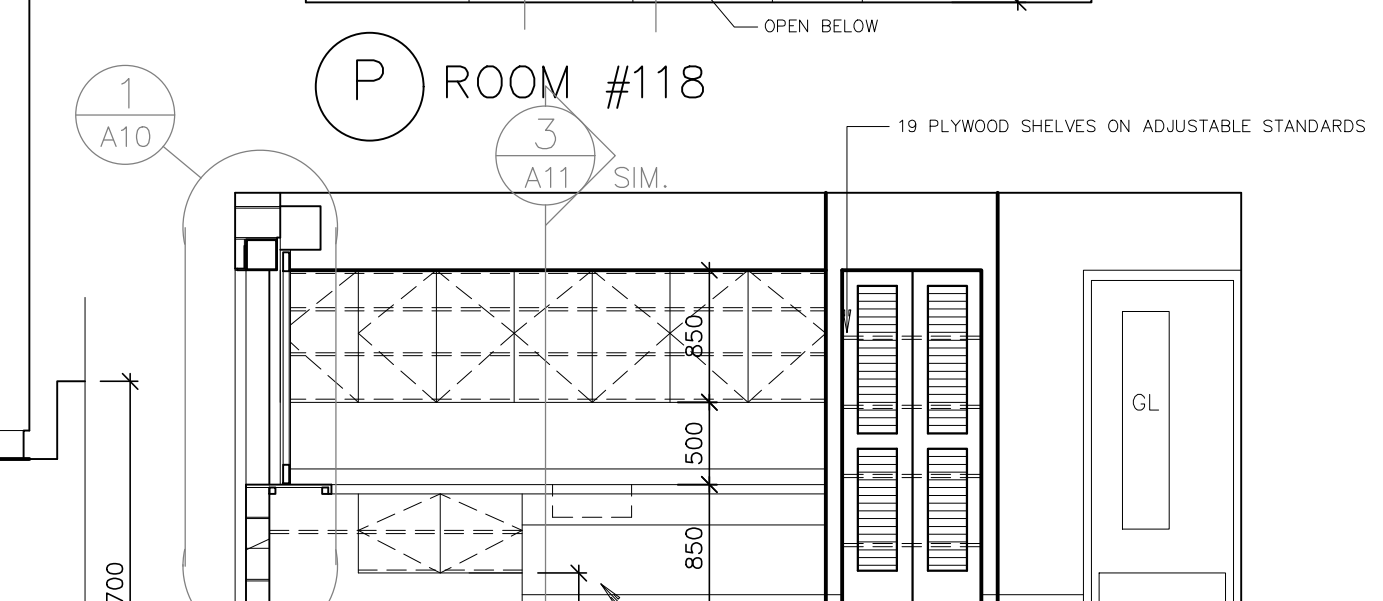
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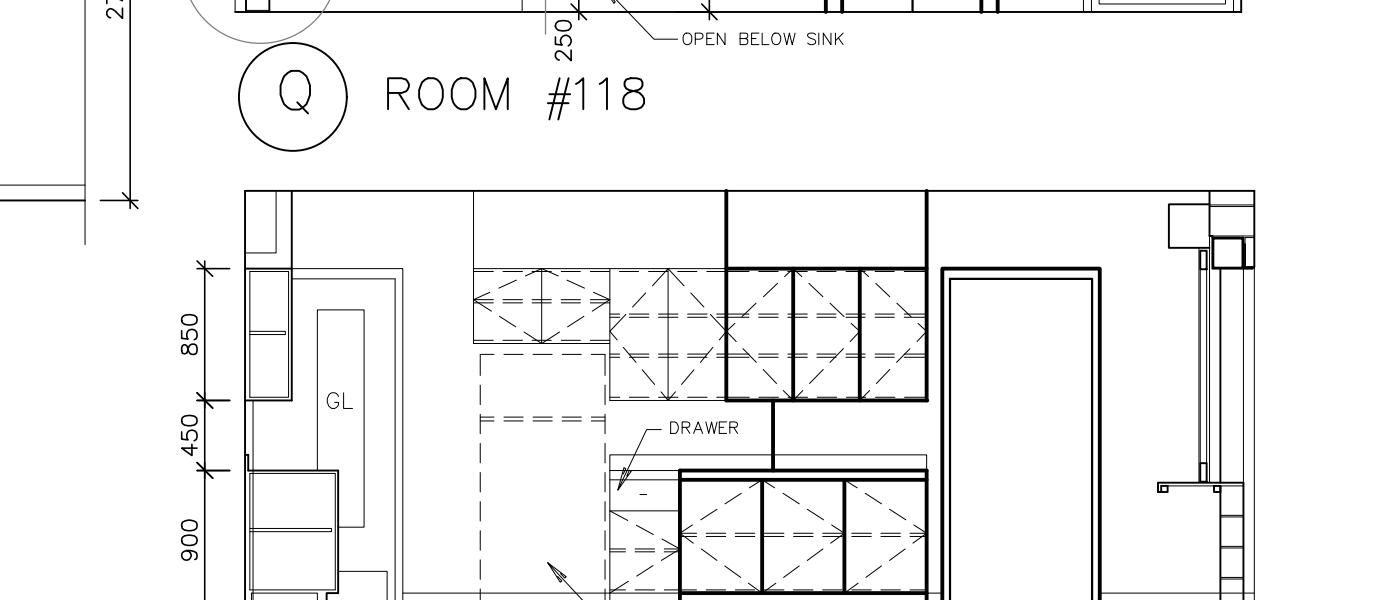
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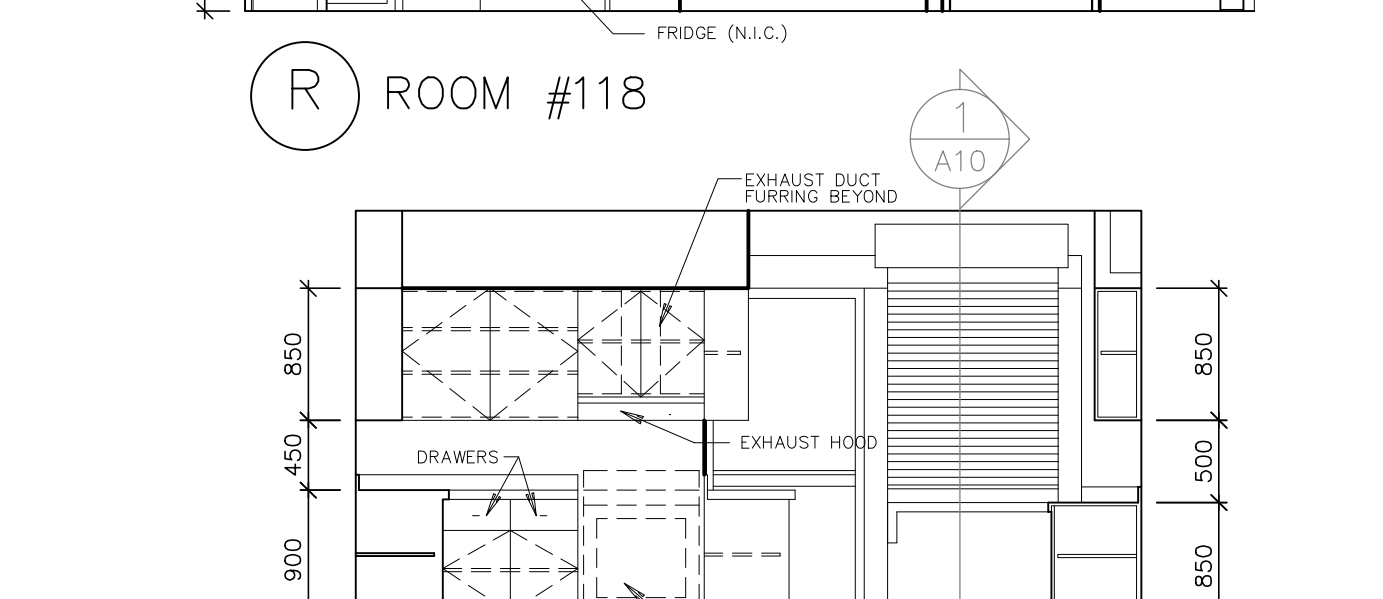
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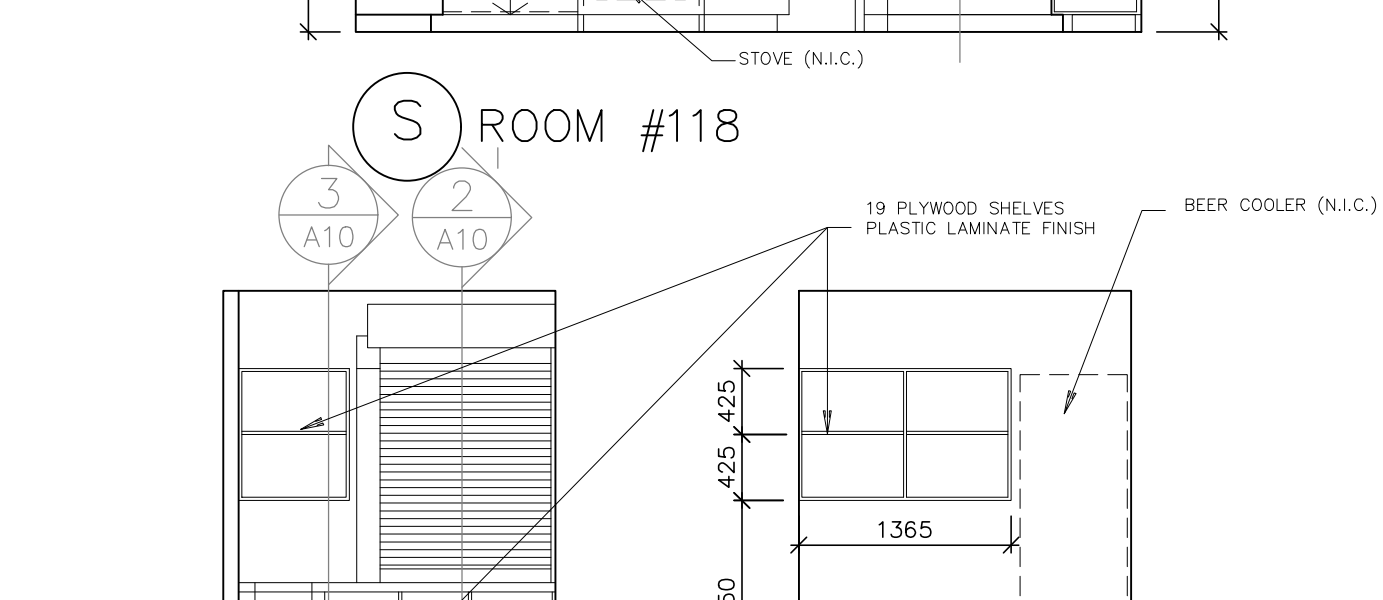
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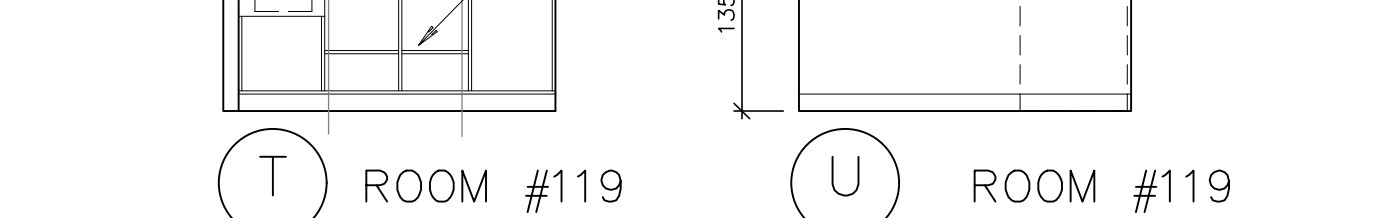
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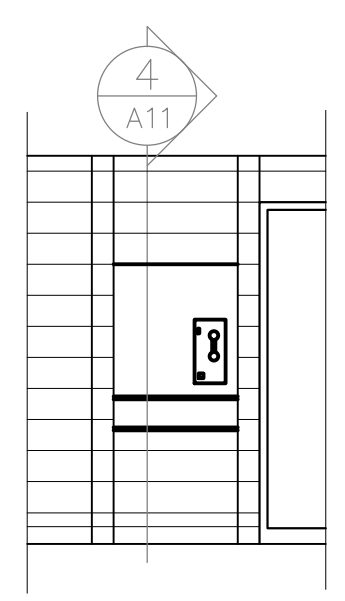
S ROOM #118



T ROOM #119



U ROOM #119



V CORR. #114

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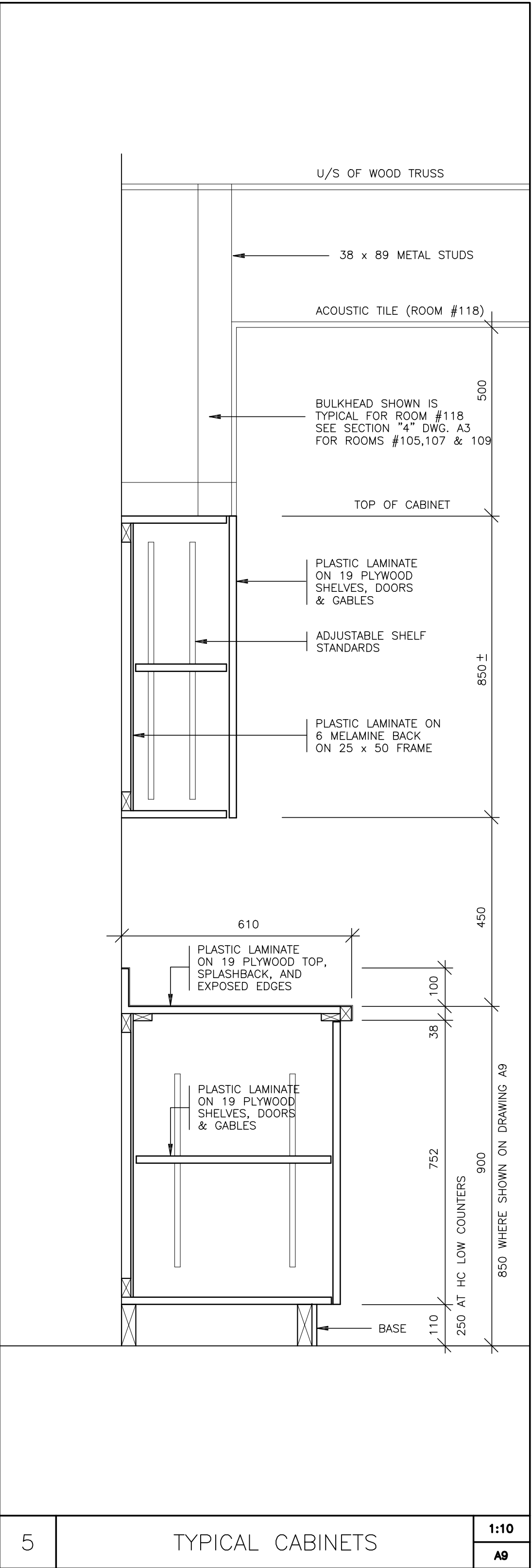
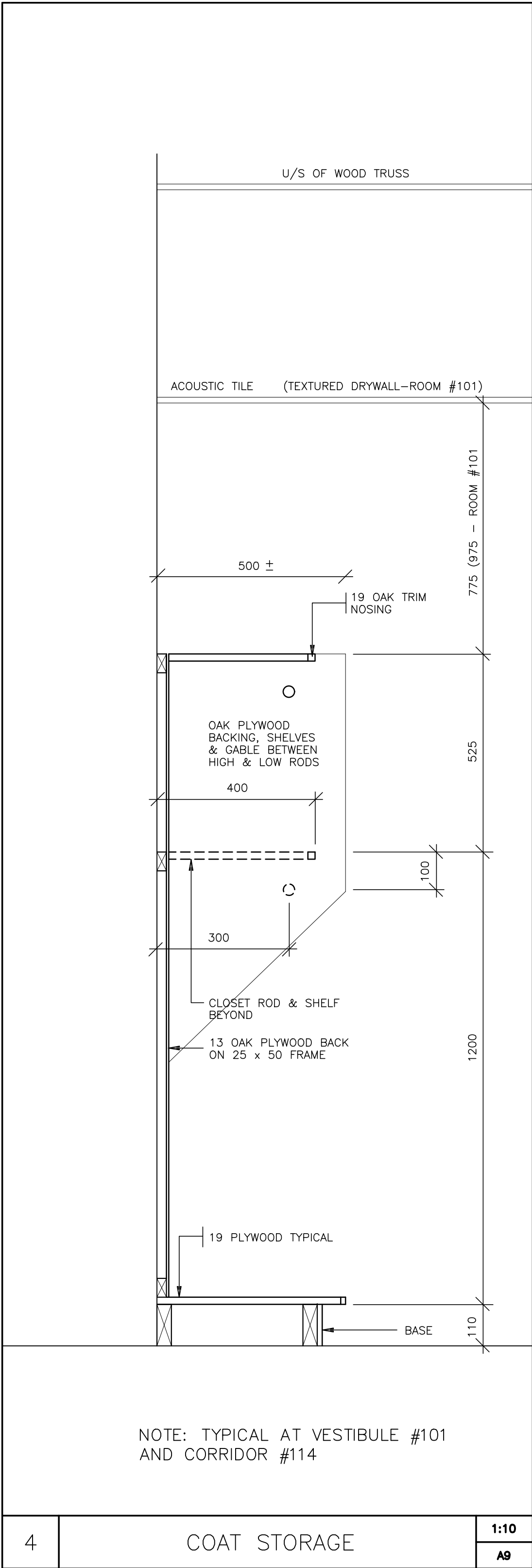
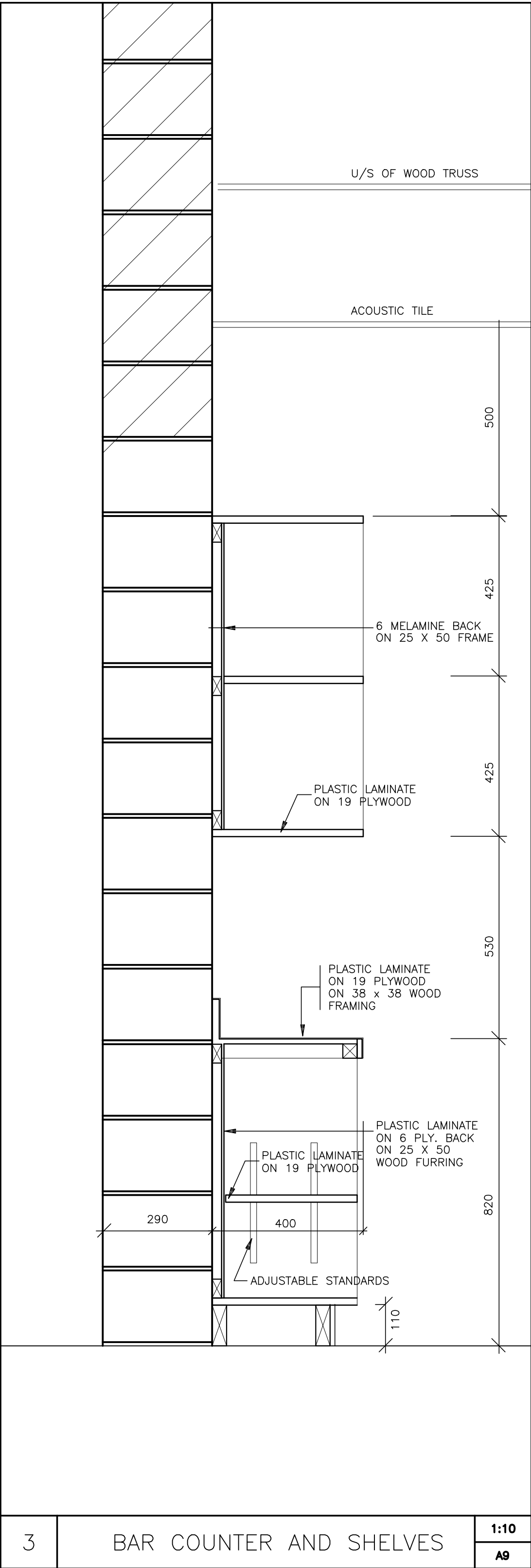
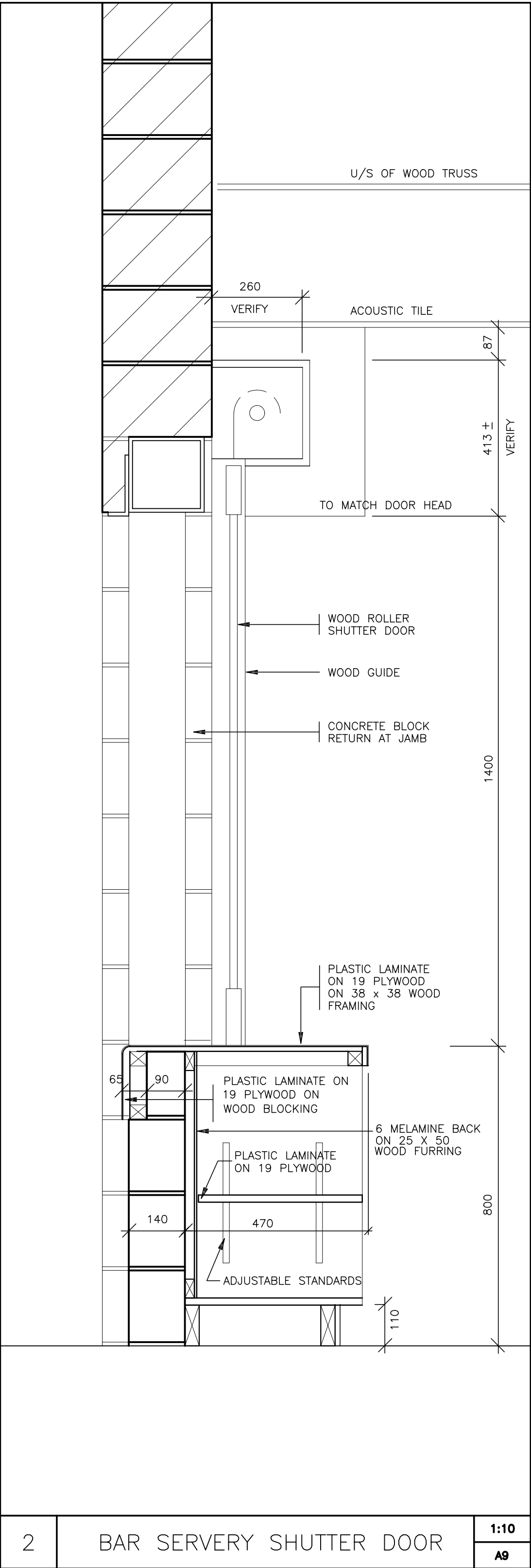
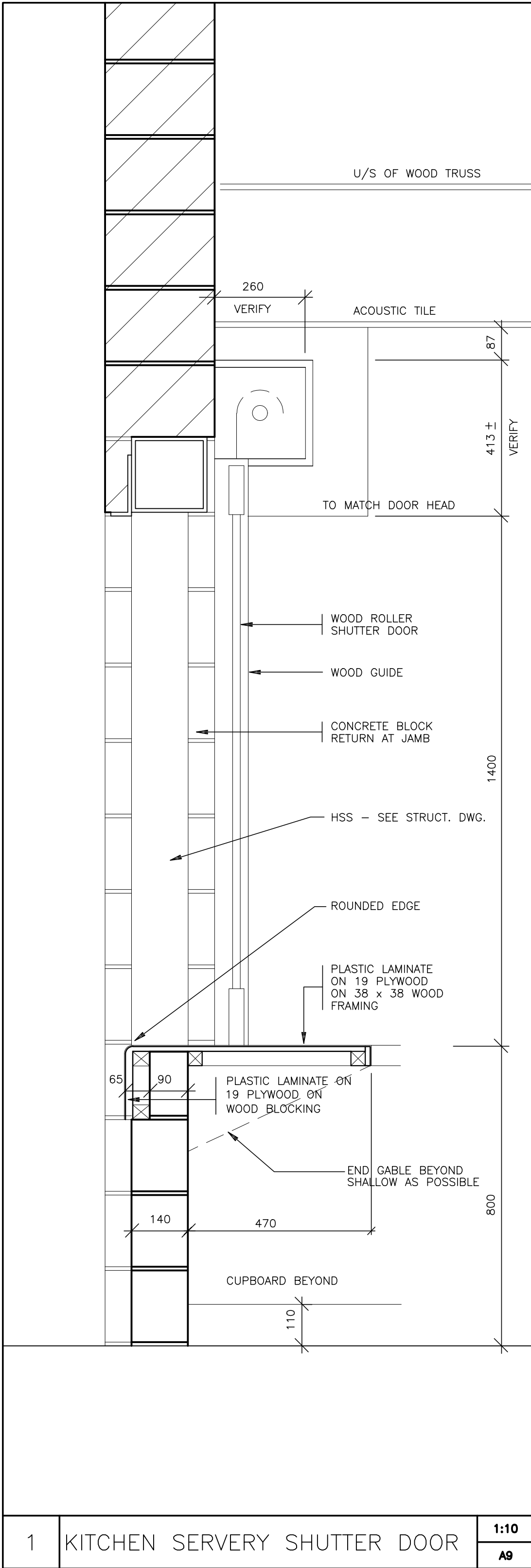
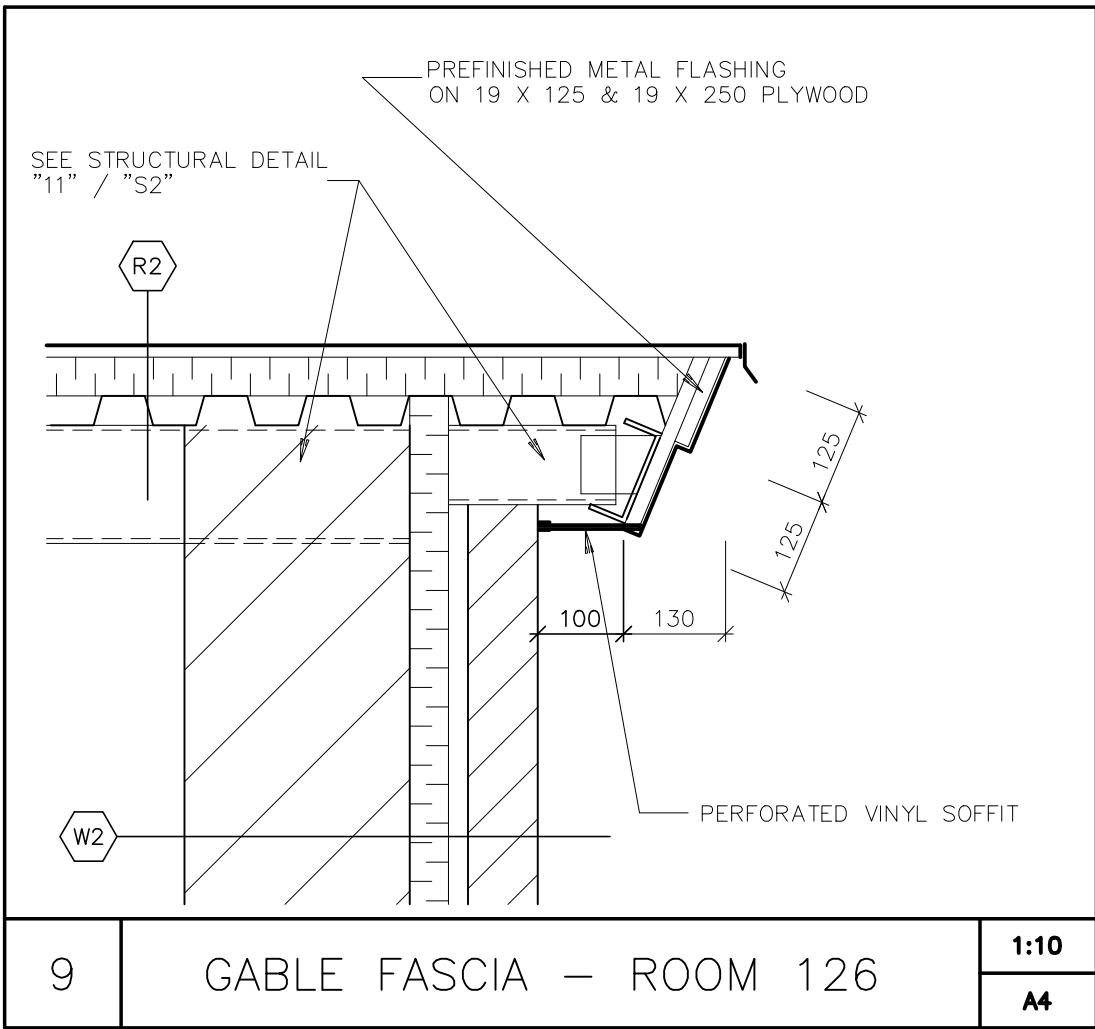
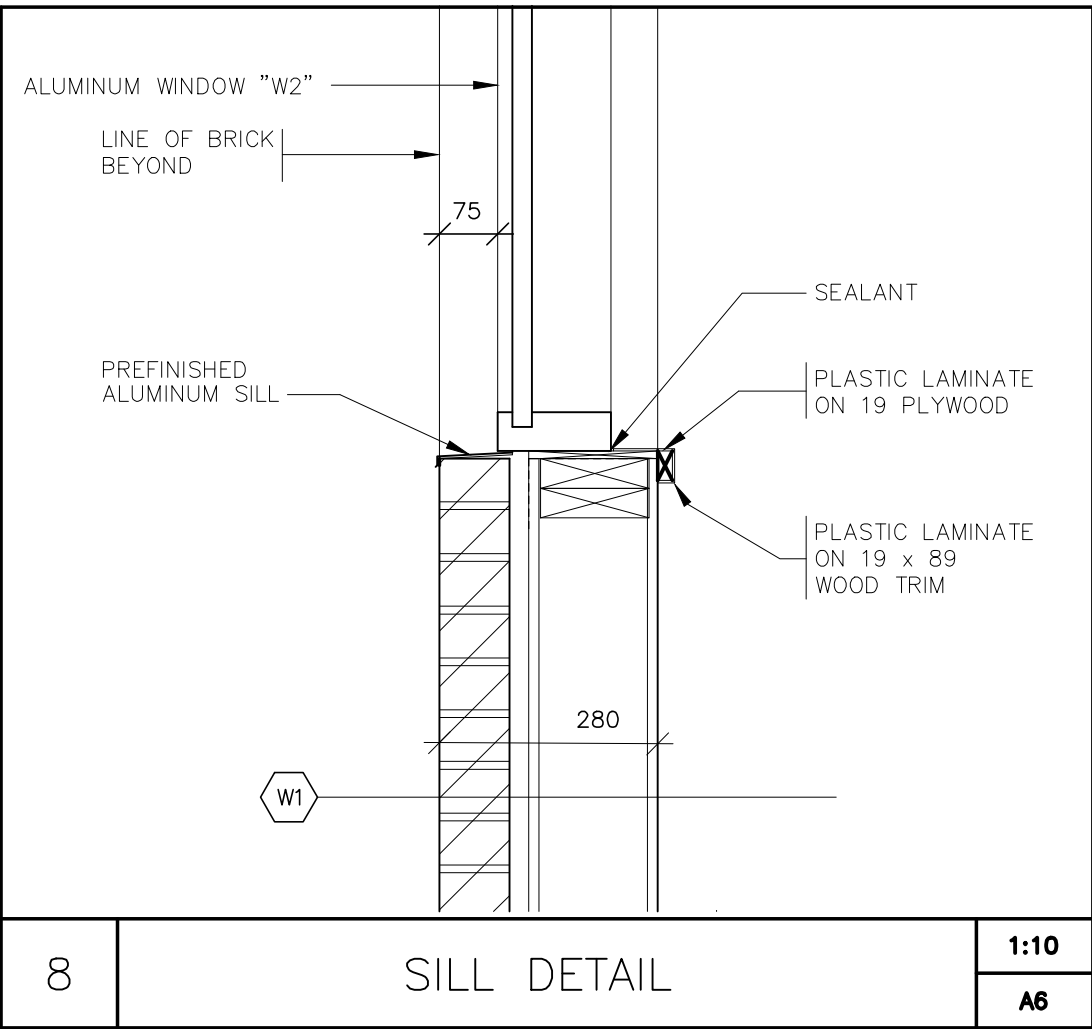
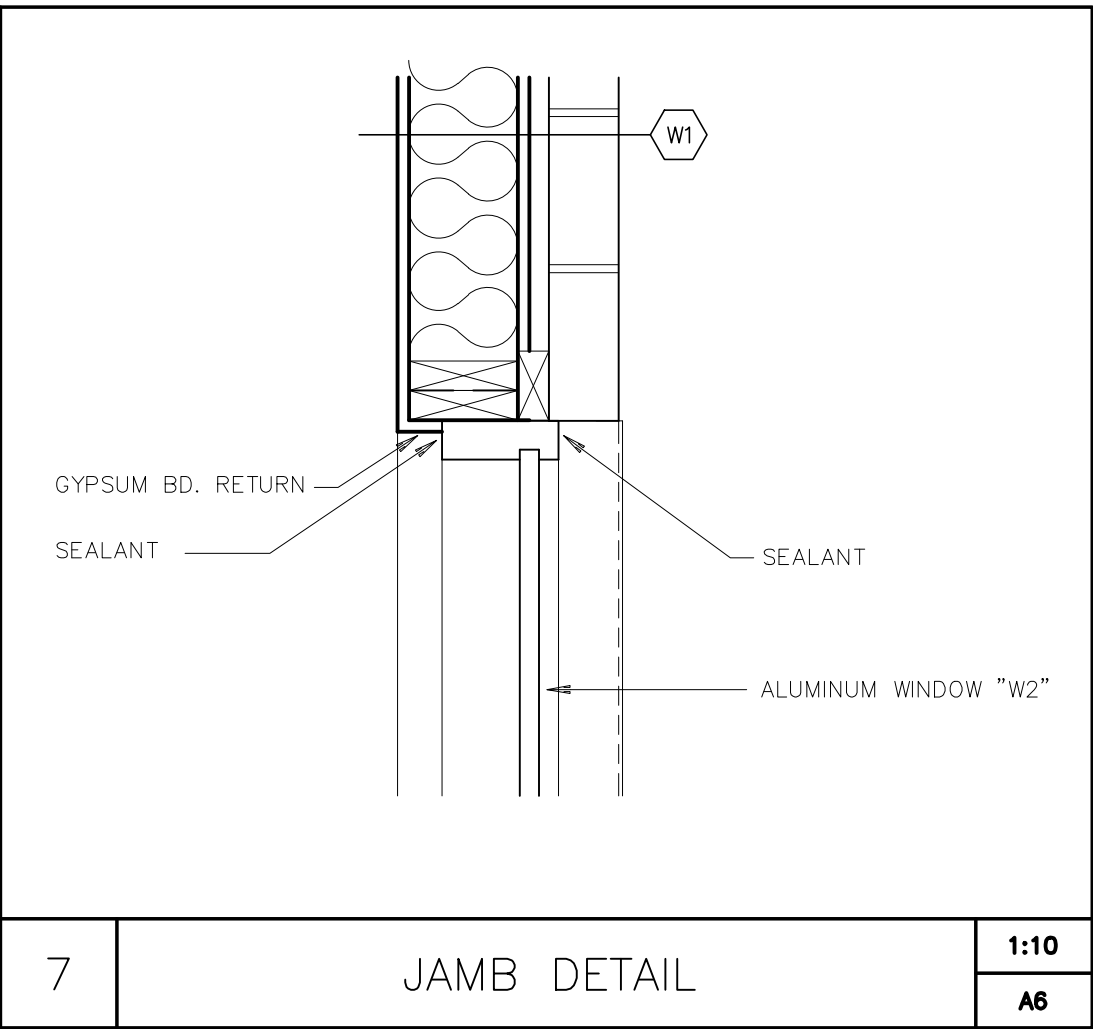
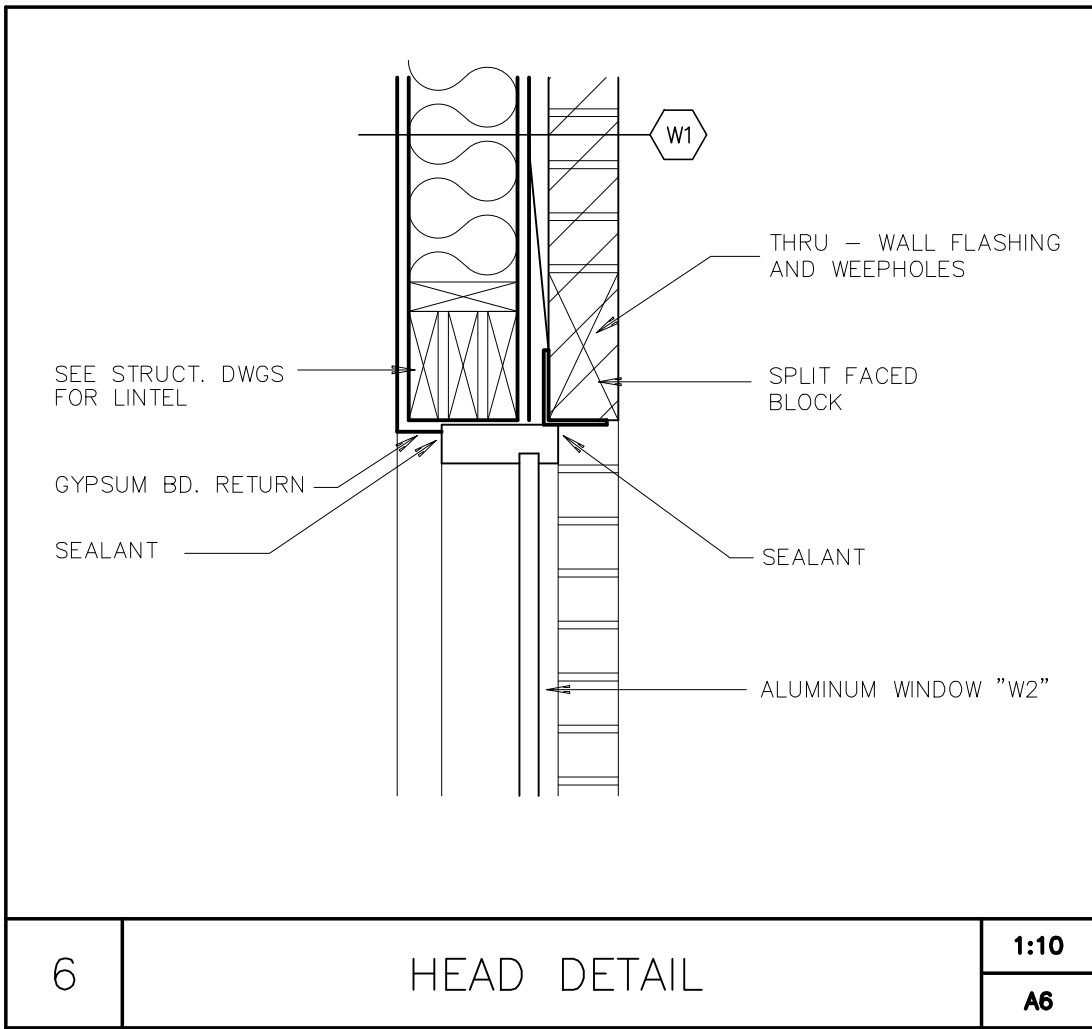
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MILLWORK SECTIONS
DETAILS

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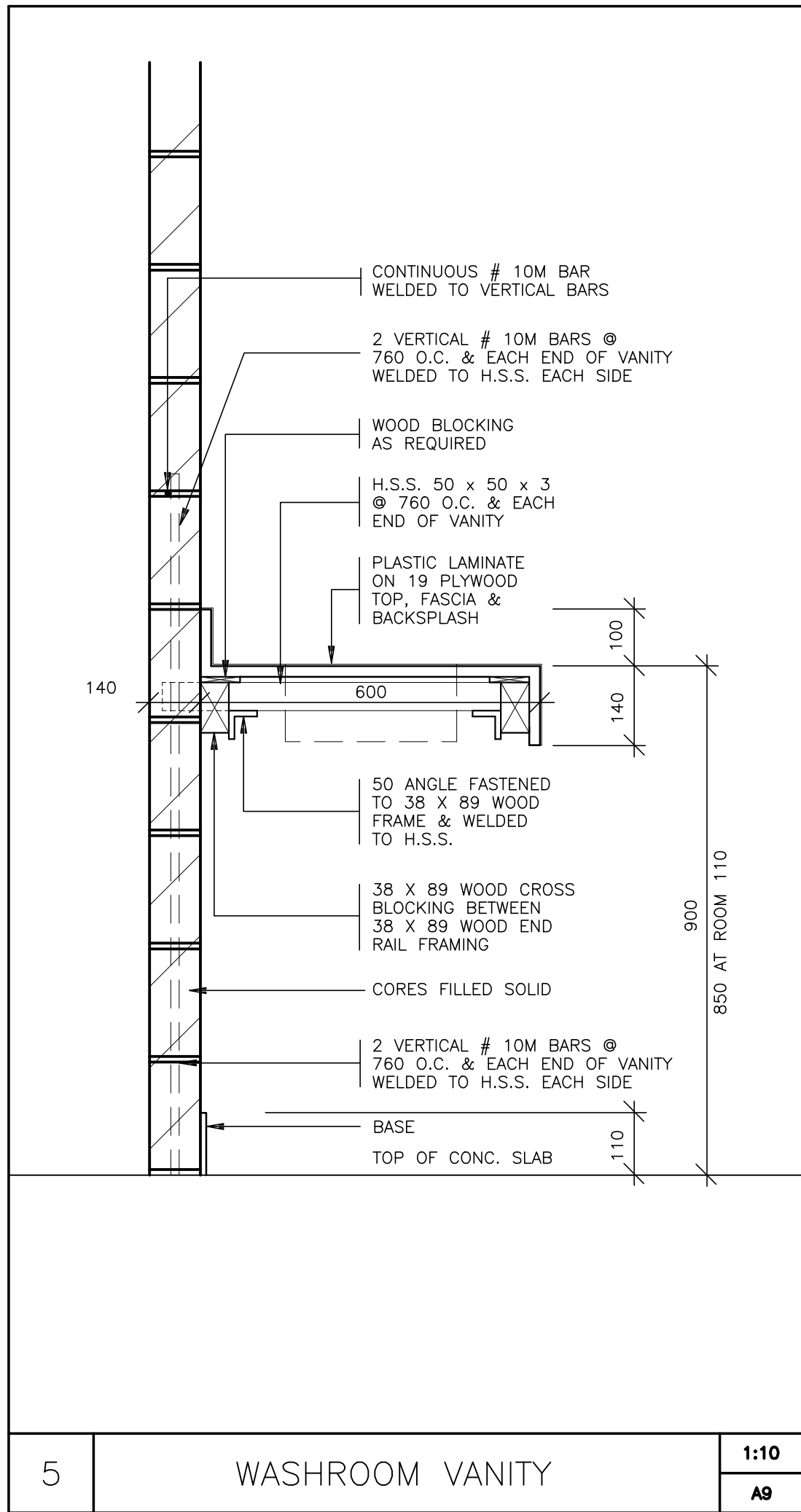
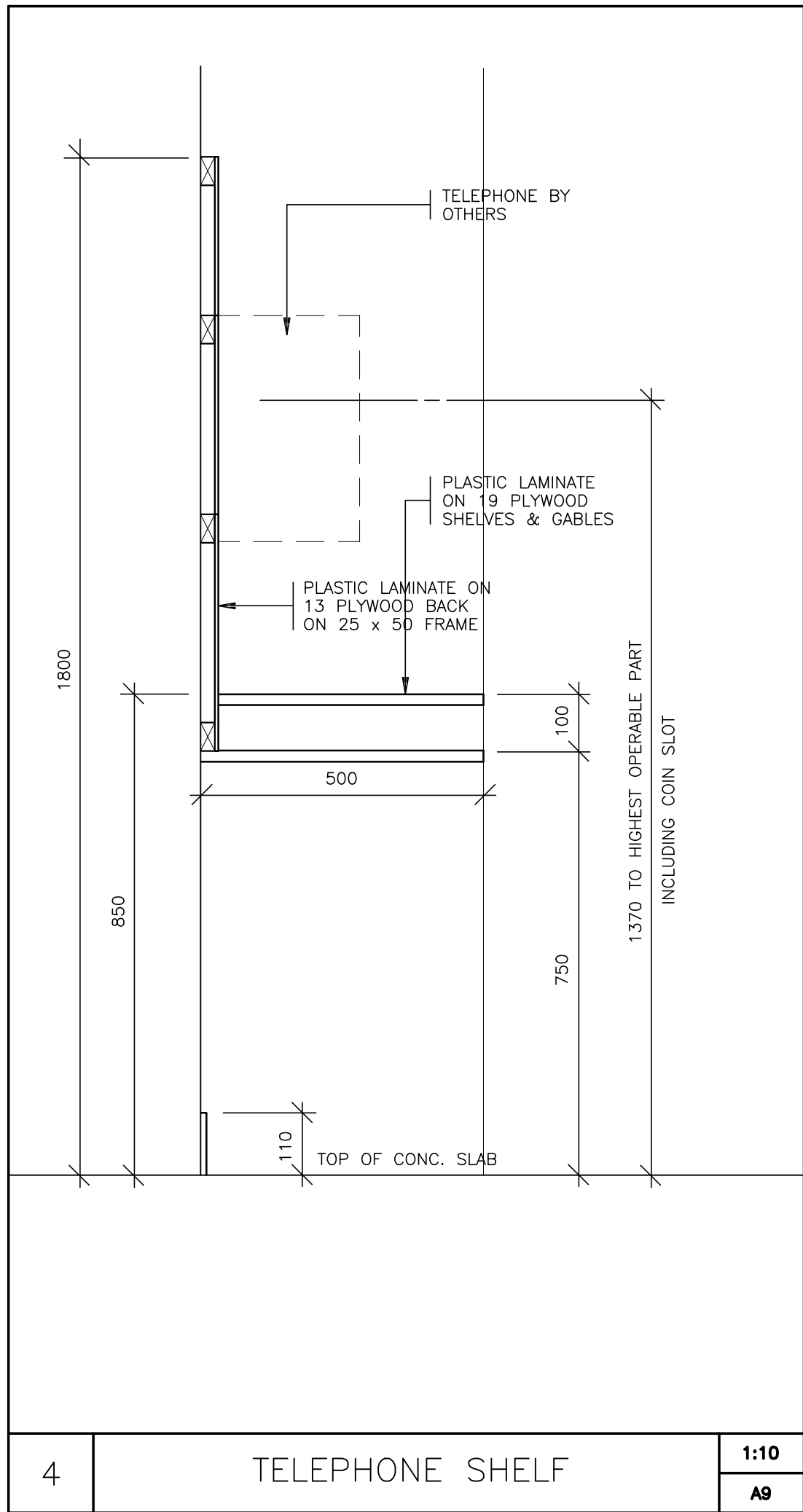
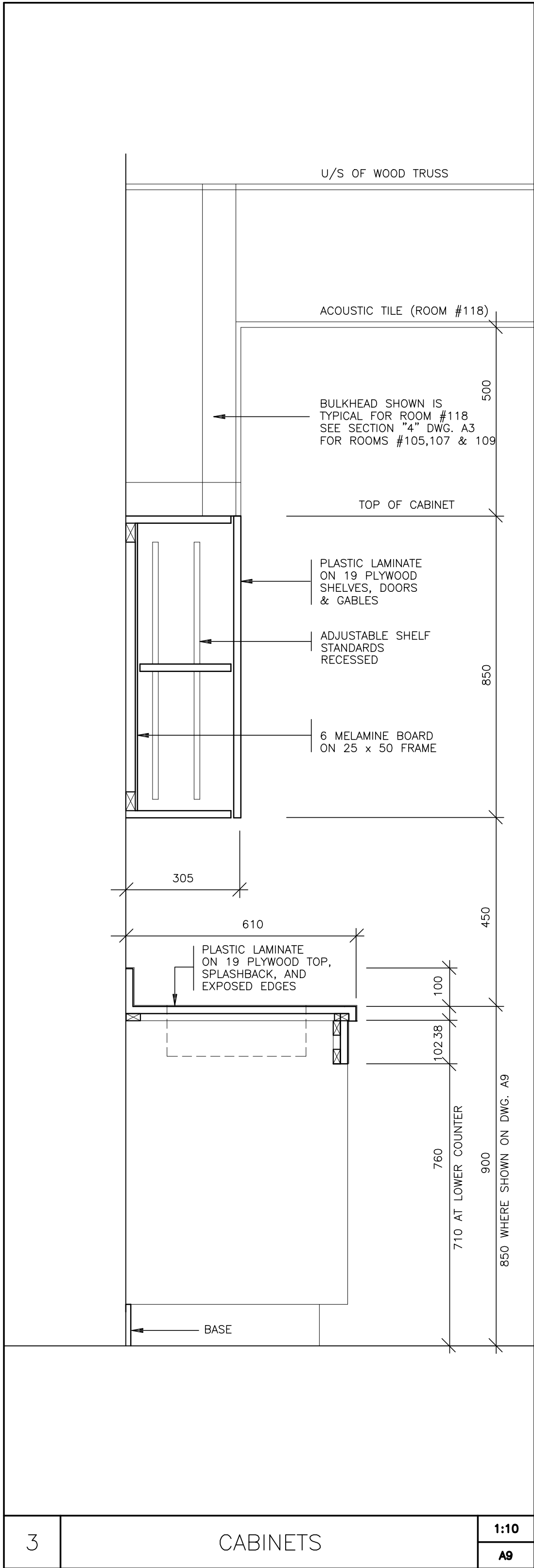
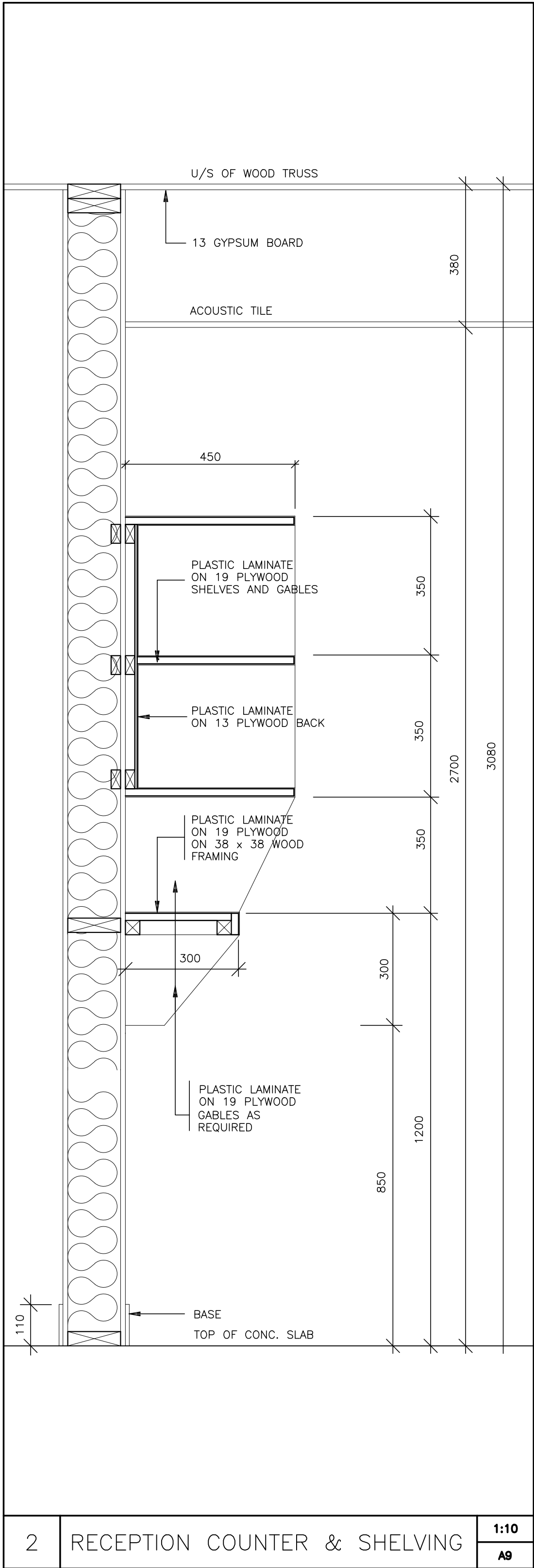
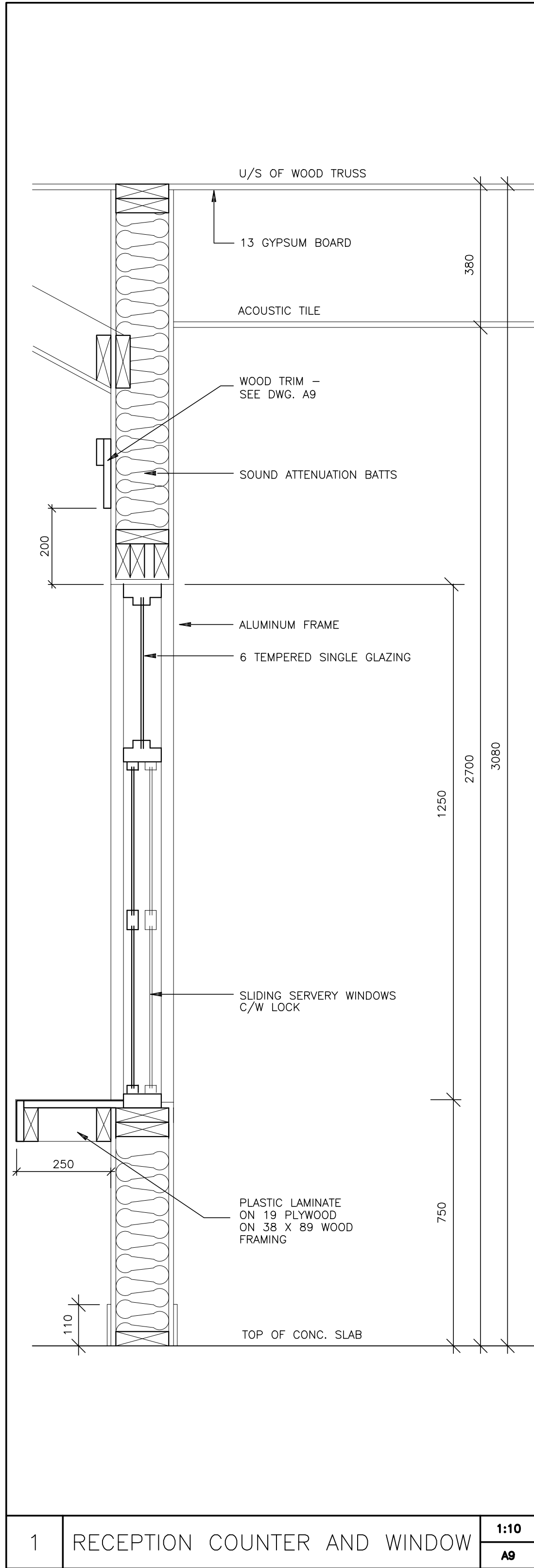
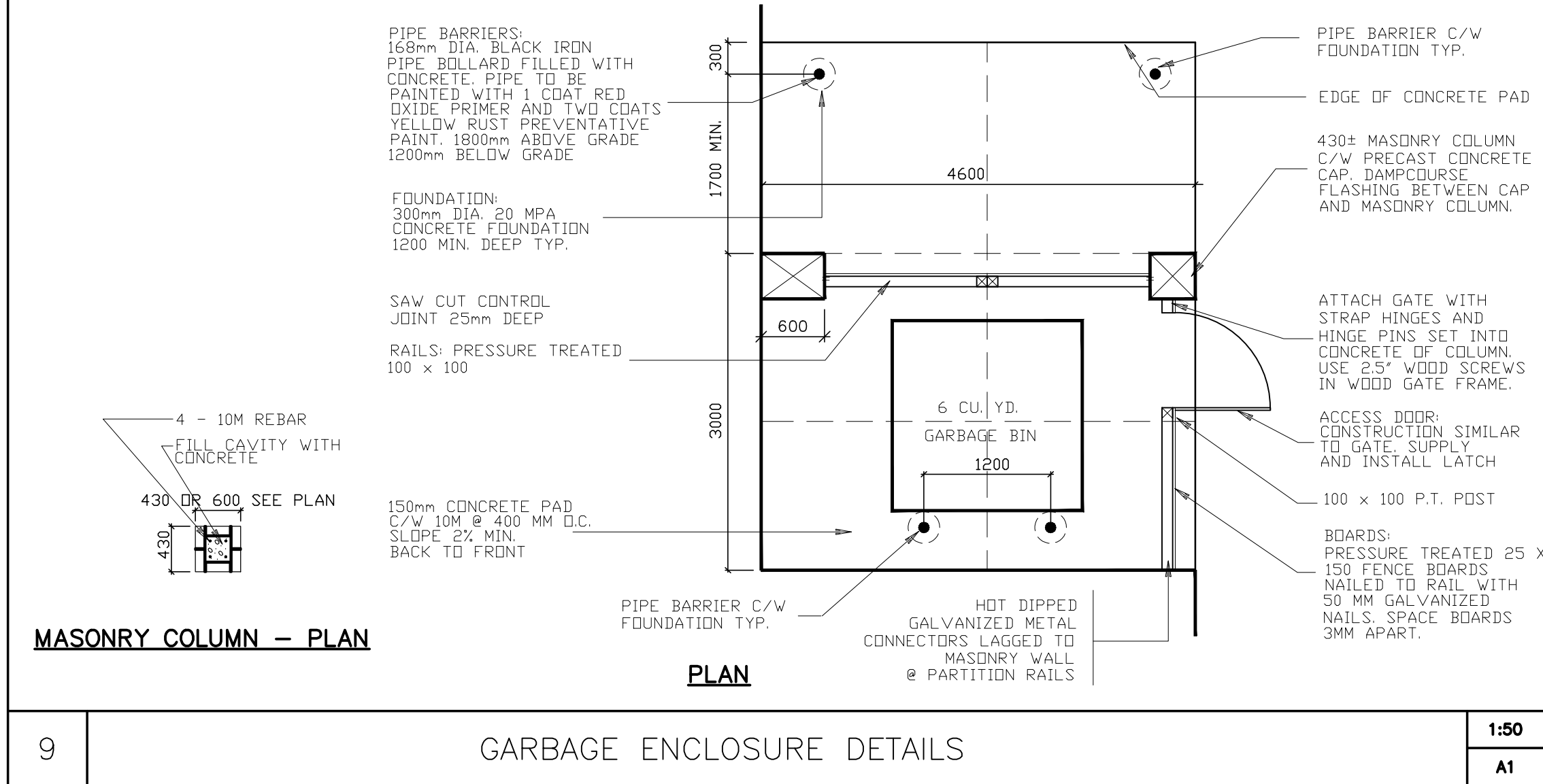
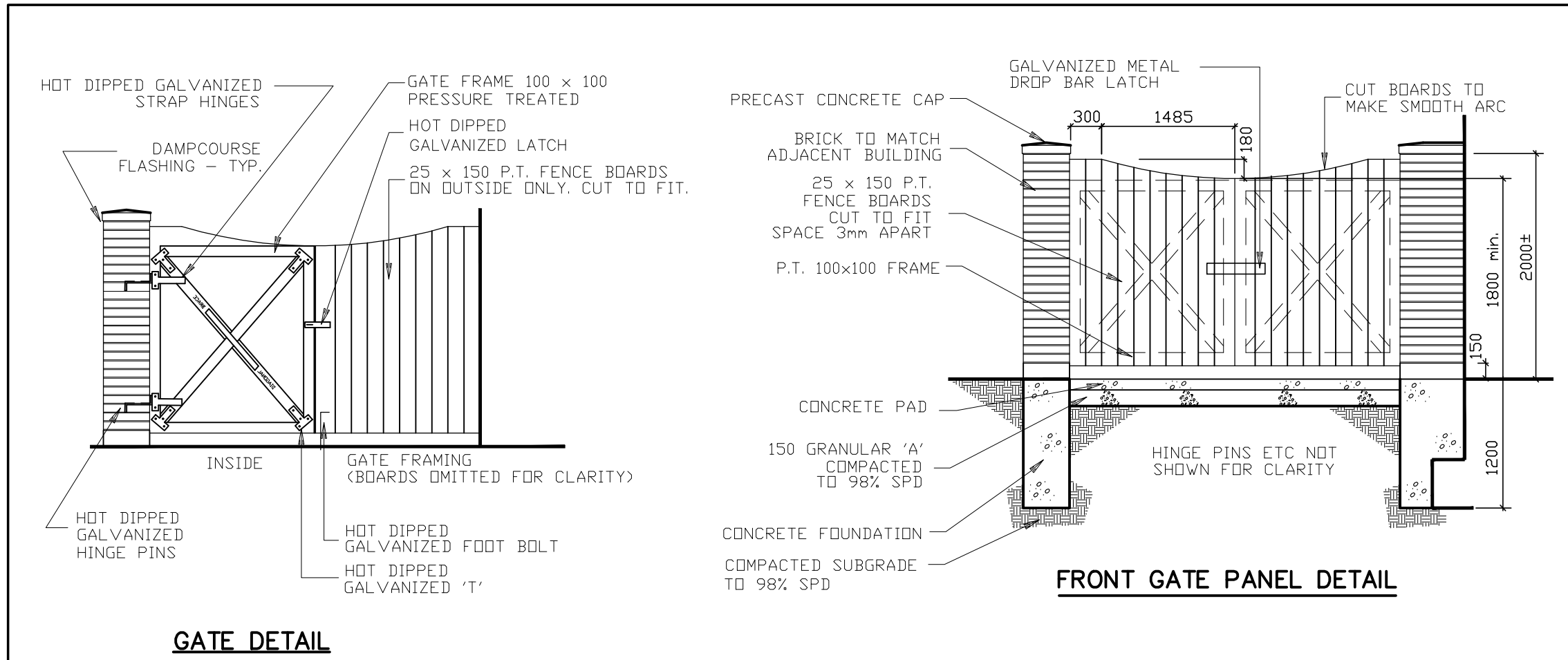
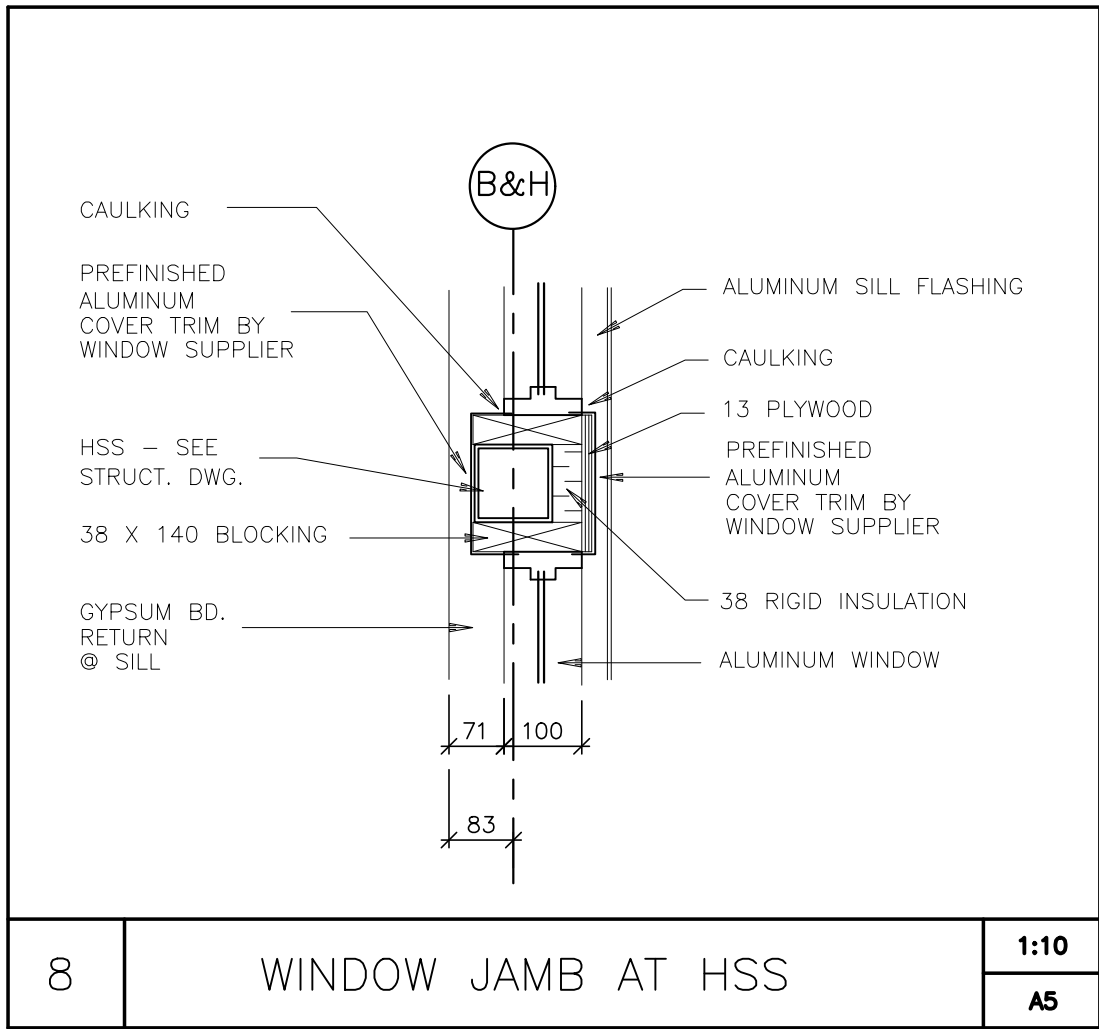
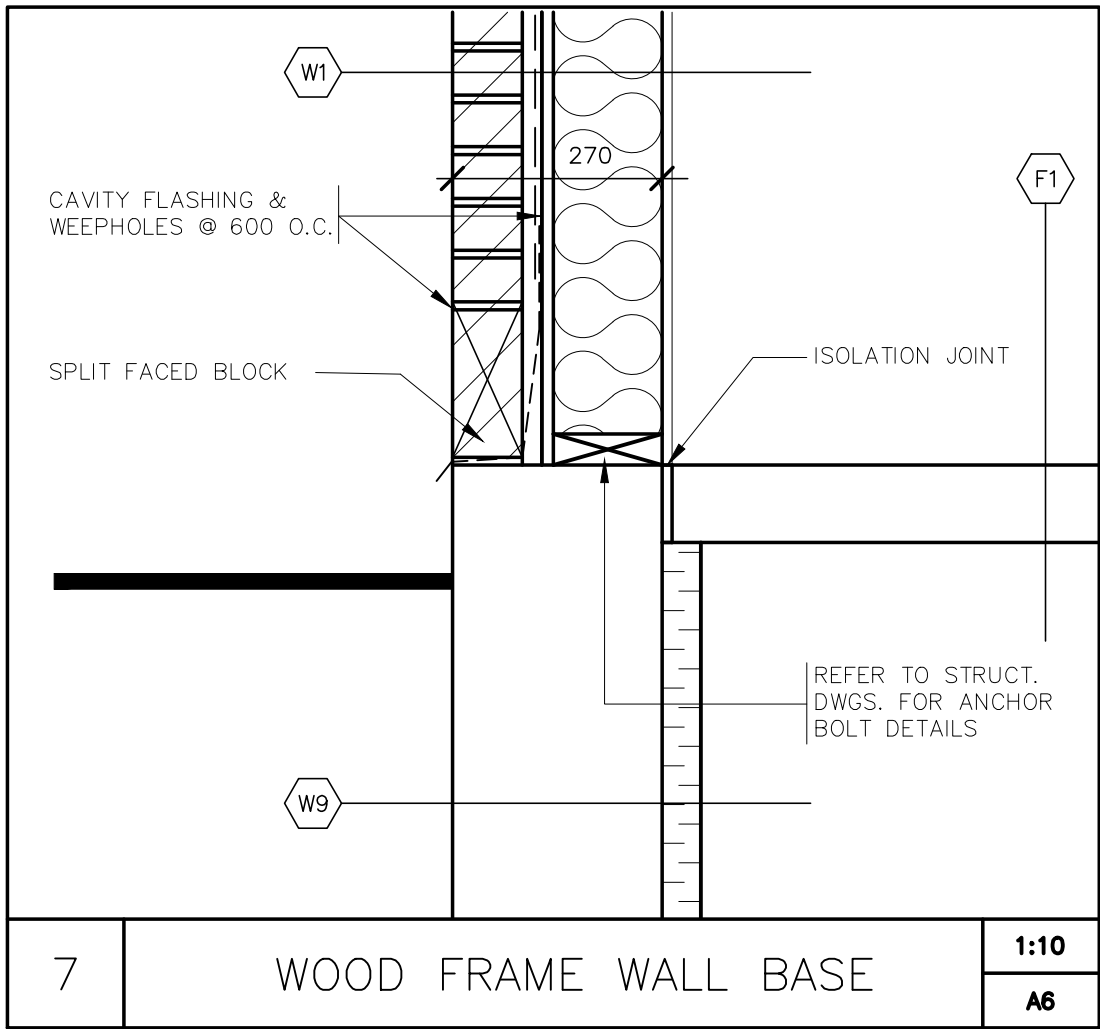
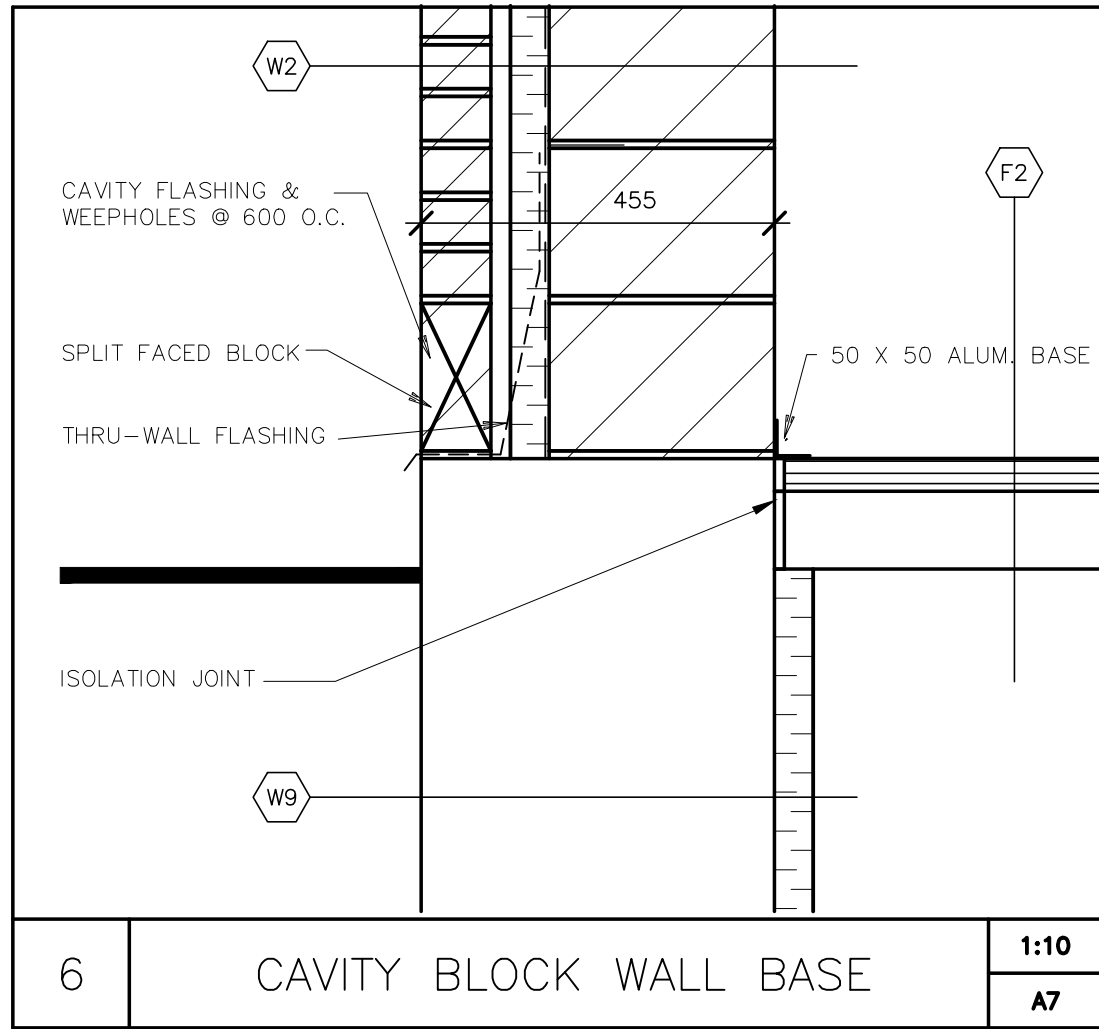


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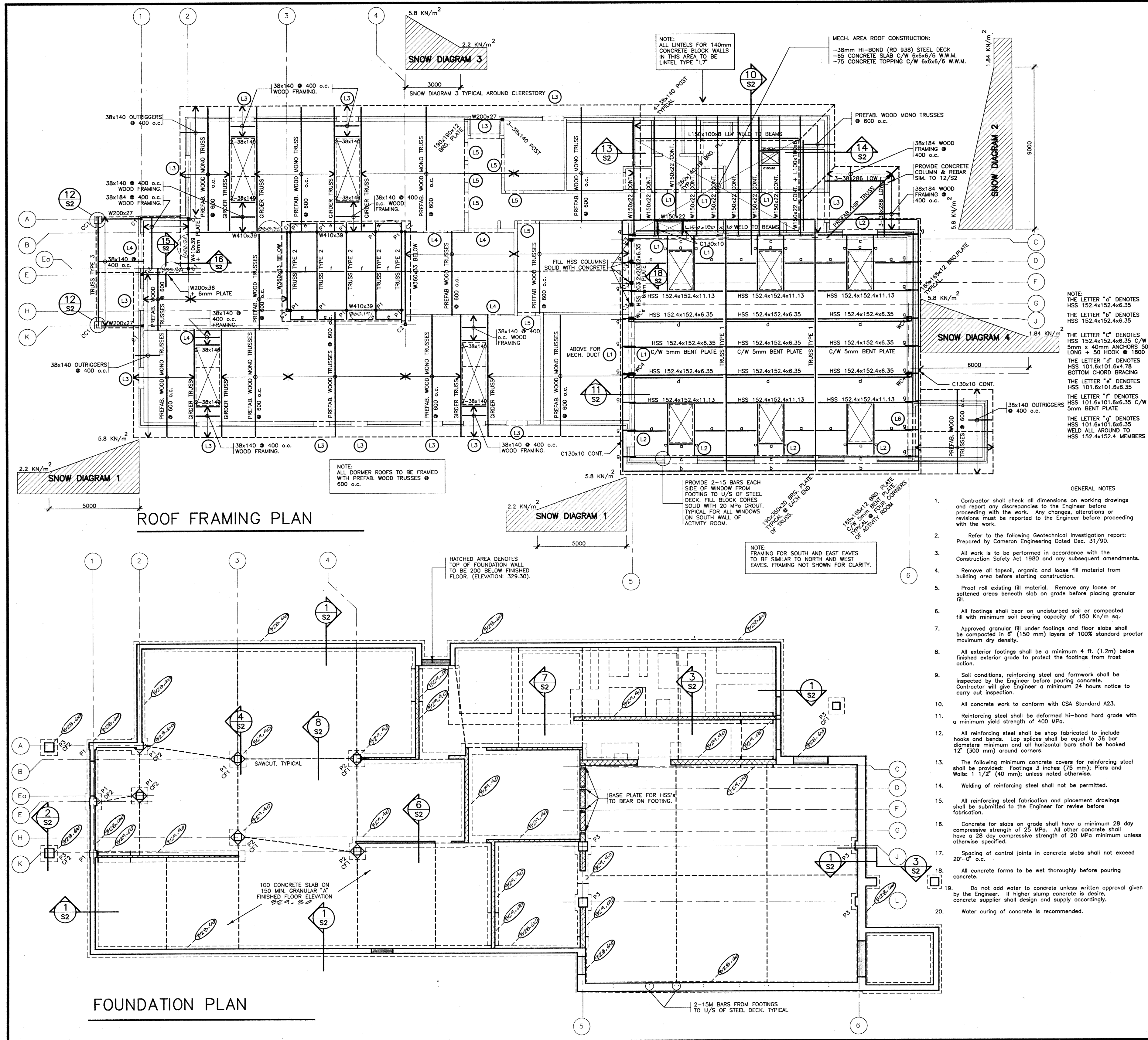
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DATE	JUNE 16/92	DWG. NO	A11
SCALE	1:10		

MILL/COURTLAND
COMMUNITY CENTRE

MILL & STIRLING

KITCHENER

ONTARIO



- All masonry wall shall be reinforced with No.9 (Standard D4) Wall Truss design (or approved equal) spaced continuous reinforcement at every second course (15"/400 mm). Reinforcement shall be installed in the first and second bed joints @ (200 mm) apart, immediately above lintels and below sills. Reinforcement in the second bed joint above lintels and below sills shall extend 2 ft. (600 mm) beyond the joint. All other reinforcement shall be continuous and side rods shall be lapped at least 6" (150 mm) at splices. Reinforcement shall be placed as to assume 5/8" (16 mm) mortar cover on the exterior face of wall and 1/2" (12 mm) cover on the interior face of wall.
- Type S mortar shall be used throughout.
- All masonry walls to be constructed with full mortar joints.
- Spacing of masonry control joints in all walls shall not exceed 20'-0" o.c.
- Strength of load bearing masonry units shall be: 7.5 MPa minimum for hollow units; 12.5 MPa minimum for 75% solid units based on gross area.
- All masonry under concentrated loads shall have voids filled with 20 MPa concrete for width and depth equal to 3 times the length of bearing.
- All steel beams and joists shall be supported by bearing plates designed according to the requirements of CSA S16.1989. They shall be embedded with minimum 2'-1/2" x 18" (12mm x 450mm) hooked rods welded to the plates and embedded into concrete fill with a minimum strength of 20 MPa.
- All roof openings to be reinforced by C5x6.7 channel frames.
- Allowable bearing stress on masonry for design of bearing plates shall not exceed 175 psi (1.2 MPa). Provide bearing plates for joists supported by masonry walls.
- For masonry openings not shown on drawings provided one 3 1/2" x 3 1/2" x 1/4" angle for each 4" (100 mm) thickness of wall openings up to 4 ft (1.2m).
- All masonry walls shall be properly shored during construction until structural steel and slabs are in place.
- Structural steel shall conform to CSA G40.21-44W and G40.21-50W Class H for H.S.S.
- Steel beams and lintels shall have 8" (200 mm) minimum end bearing on masonry and 2 1/2" (65 mm) minimum bearing on steel unless indicated otherwise.
- All beams cantilevered over a column or other support shall have a min of 2-3/8" stiffeners each side unless otherwise noted.
- Column base plates and beam bearing plates shall be grouted with 1 1/2" (40 mm) non-shrink grout.
- All columns built into masonry walls shall have adjustable anchors at minimum 18" (400 mm) o.c.
- Roof deck shall be 1 1/2" x 0.30 Vic West Steel Inc. RD 938 sound deck and hi-bond (or approved equal), minimum 3/4" (20 mm) continuous steel deck supporting steel with 3/4" (20 mm) diameter plug weld at 12" (300 mm) o.c. maximum. Marginal welds at 3 ft. (900 mm) o.c. maximum.
- Shop drawings of structural steel, shall be submitted to the Engineer for review before fabrication.
- Welding of structural steel shall conform to the requirements of CSA Standard W59 and shall be undertaken by a fabricator fully approved by the Canadian Welding Bureau to the requirements of CSA Standard W47.
- Bolted connections shall use A325 bolts.
- Prefabricated wood trusses shall be designed in accordance with the details and design loads shown on the Architectural and/or structural drawings. Shop drawings of the roof trusses, including layout of the trusses, bridging, bracing, and bearing details (including hold-down clips) shall bear the stamp of a Registered Engineer of the Province of Ontario and shall be submitted to the Engineer for review before fabrication.
- All timber for wood trusses shall be kiln dried and well seasoned in order to prevent possible distortion or deformation of the trusses.
- All stud walls shall be anchored to the foundation or floor slab with 5/8" (16 mm) diameter anchor bolts at 4 ft. (1.2 m) o.c. maximum.
- All wood shall be no. 1 Spruce or better.
- All wood plates to be bolted to steel beams with 1/2 inch (12mm) diameter bolts @ 24 inches (600mm) o.c. staggered.

- NAILING REQUIREMENTS (OBC)**
- Vertical Studs to bottom plates 4 - 3" ordax nails.
 - Vertical studs to top plates 4 - 3 1/2" ordax nails.
 - Roof trusses to plates to be designed by Truss Engineer.
 - Wind bracing (per truss) to be designed by Truss Engineer.
 - Bridging (per truss) to be designed by Truss Engineer.
 - Lintel 3 1/2" ordax nails @ 12" o.c. horizontal and 4" vertical staggered.
 - Wall sheathing 1 1/2" ordax nails @ 8" o.c. to studs and plates.

NOTE: ALL STEEL CONNECTIONS TO BE CERTIFIED BY A REGISTERED ENGINEER OF THE PROVINCE OF ONTARIO.

NOTE: PREFABRICATED WOOD TRUSS DESIGNER TO COORDINATE TRUSS DESIGN WITH MECHANICAL LAYOUT.

NOTE: COORDINATE TRUSS LAYOUT WITH CEILING LAYOUT.

LINTEL SCHEDULE

- W200x27 + 6mm PLATE
- 2L125x125x8 + 1/2x40x8
- 3-38x184 + 1/2x50x8
- 3-38x235 MIN. 2-38x140 END BEARING
- C130x10 INFL. Lintel BLOCK WITH TYPE "S" MORTAR
- W200x45 + 6mm CONT. PLATE
- 2L-90x65x8 LLV

DESIGN LOADS:

LOW ROOF (WOOD CONSTRUCTION)

DL: 0.72 KN/m² BALANCED
LL: 1.84 KN/m² UNBALANCED
+ SEE SNOW DIAGRAM

MECHANICAL AREA ROOF

DL: 3.0 KN/m²
LL: 7.0 KN/m² (INCLUDING MECHANICAL UNITS)
+ SEE SNOW DIAGRAM

CLERESTORY ROOF

DL: 1.0 KN/m²
LL: 1.84 KN/m² BALANCED
2.20 KN/m² UNBALANCED

38mm STEEL DECK RD 938 GAUGE 22
3-SPAN MIN. CONTINUOUS.

ACTIVITY ROOM ROOF

DL: 1.0 KN/m²
LL: 1.84 KN/m² BALANCED
2.20 KN/m² UNBALANCED

38mm SOUND DECK GAUGE 22
3-SPAN MIN. CONTINUOUS.

COLUMN SCHEDULE

C1: HSS 88.9x88.9x5.3 c/w
250x250x25 BASE PLATE
+ 4-20 DIA. ANCHOR BOLTS.

C2: HSS 127.0x127.0x4.78 c/w
275x275x20 BASE PLATE
+ 4-20 DIA. ANCHOR BOLTS.

C3: HSS 152.4x152.4x4.78 c/w
300x300x20 BASE PLATE
+ 4-20 DIA. ANCHOR BOLTS.

WC4: HSS 254.6x254.6x6.35 c/w
400x400x20 BASE PLATE
+ 4-20 DIA. ANCHOR BOLTS.

P1: HSS 101.6x101.6x6.35
FROM TOP OF W410x39 BEAM
10 U/S OF TRUSS TYPE 2

CC1: 300x300 CONCRETE COLUMN
c/w 4-20M VERTICALS AND
10M TIES @ 300 o.c.
DOUBLE TIE @ TOP

FOOTING SCHEDULE

CF1: 1200x1200x300 c/w
5-15M E.W. BOTTOM
75 CLEAR COVER

CF2: 900x900x300 c/w
3-15M E.W. BOTTOM
75 CLEAR COVER

PIER SCHEDULE

P1: 350x350 c/w
4-20M VERTICALS AND
10M TIES @ 300 o.c.
DOUBLE TIE @ TOP

P2: 400x400 c/w
4-20M VERTICALS AND
10M TIES @ 300 o.c.
DOUBLE TIE @ TOP

P3: 500x500 c/w
4-20M VERTICALS AND
10M TIES @ 300 o.c.
DOUBLE TIE @ TOP

TENDER # 92-43

NO.	REVISIONS	DATE & INITIALS

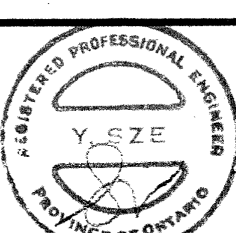


PRINTING DATE

PLOTTING DATE

COMP. FILE

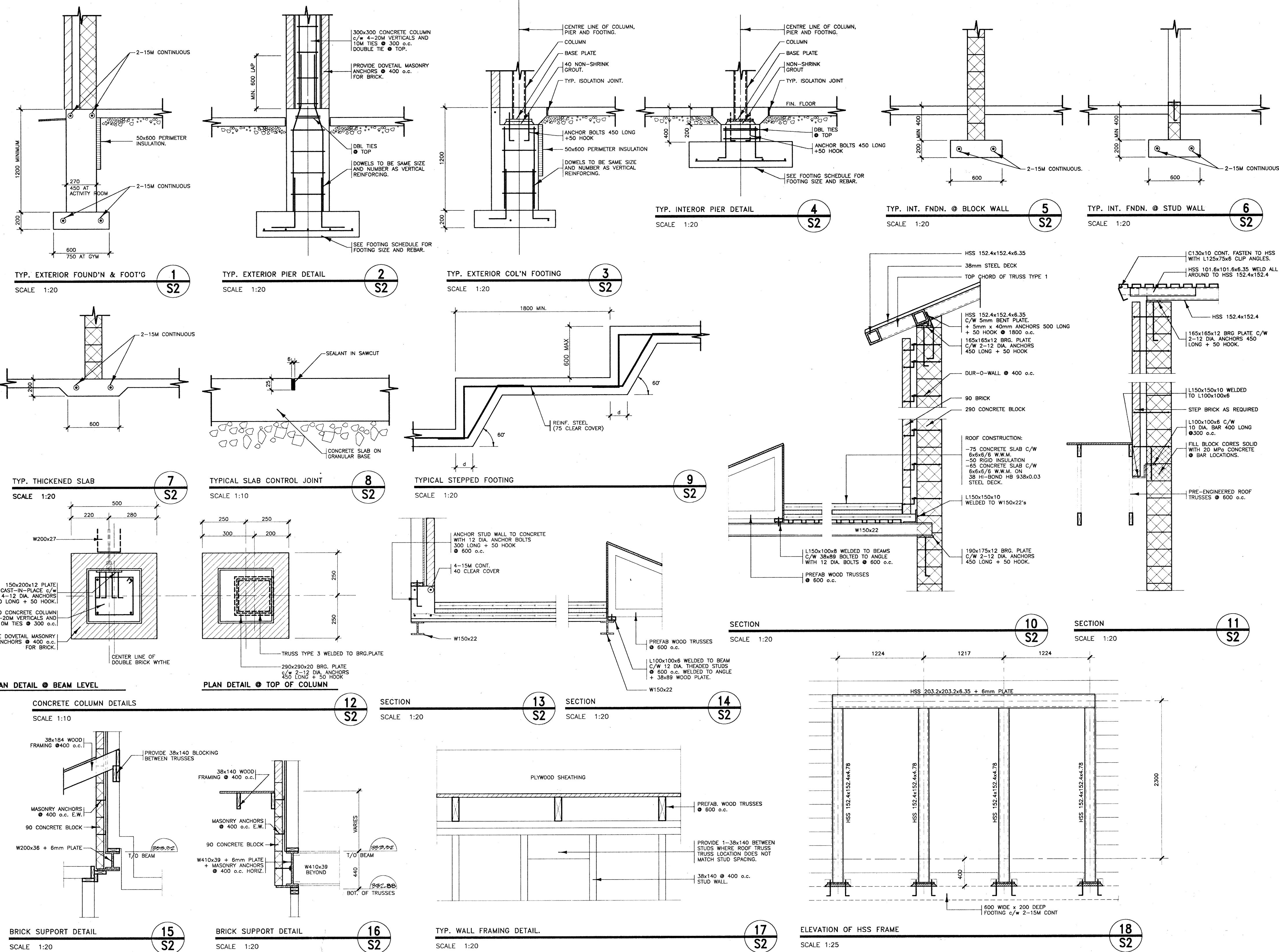
FOUNDATION PLAN AND ROOF FRAMING PLAN


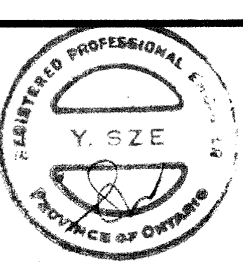


JOB NO.	91-3208	DRAWN	M.H.
DATE	SEPT./92	DWG.	NO
SCALE	NOTED		

MILL/COURTLAND COMMUNITY CENTRE
MILL & STIRLING

KITCHENER ONTARIO

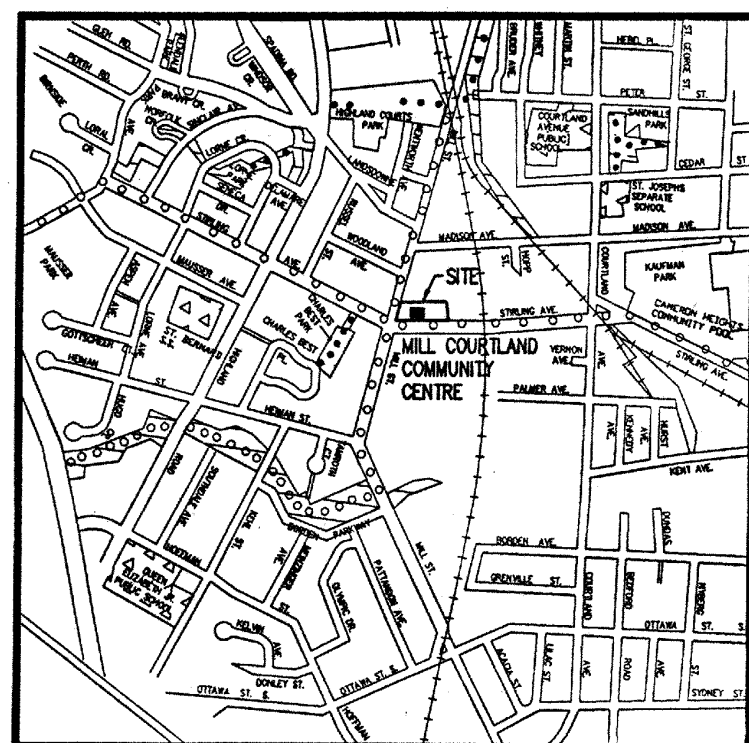


TENDER # 92-43			
NO.	REVISION	DATE	INITIAL
 SZE STRAKA ENGINEERS LIMITED WATERLOO, ONTARIO			
PRINTING DATE			
PLOTING DATE			
COMP. FILE			
DETAILS			
			
JOB NO.	91-3208	DRAWN	M.H.
DATE	SEPT/92	DWG. NO.	S2
SCALE	NOTED	NO.	
MILL/COURTLAND COMMUNITY CENTRE MILL & STIRLING KITCHENER ONTARIO			

DO NOT SCALE DRAWINGS.
CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS
AND REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE
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AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE
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DO NOT USE THIS DRAWING FOR CONSTRUCTION UNLESS
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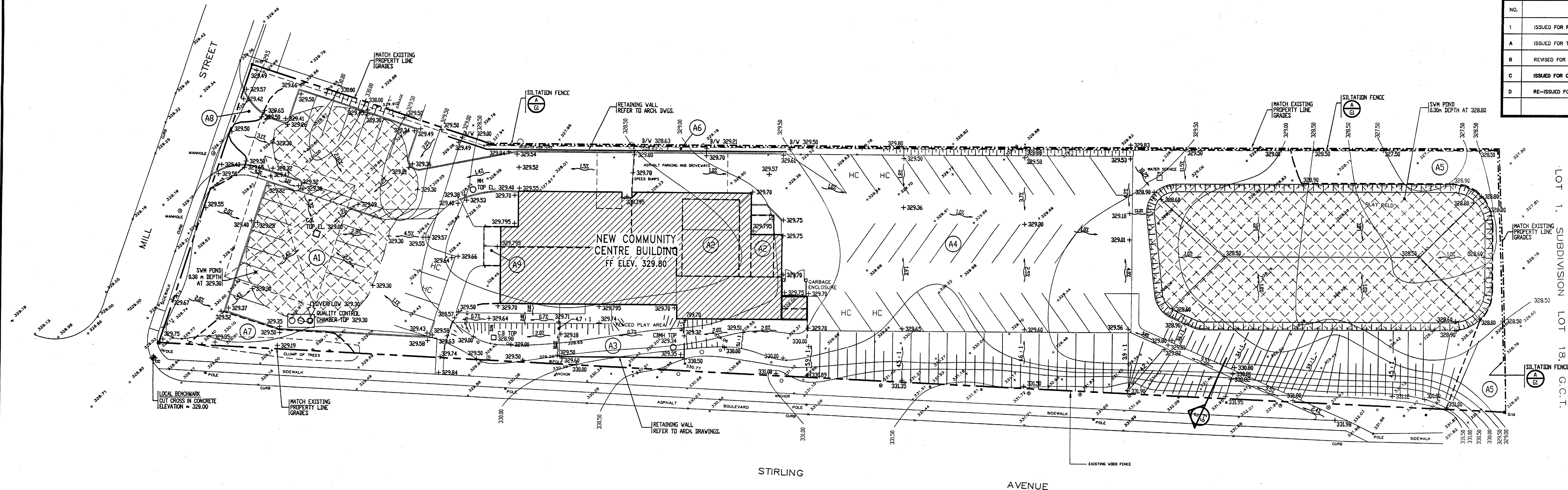
DATE

NO.	REVISIONS	DATE & INITIAL
1	ISSUED FOR REVIEW	APR/91
A	ISSUED FOR TENDER (#92-43)	APR/92
B	REVISED FOR TENDER (#92-43)	JUL/92
C	ISSUED FOR CITY APPROVAL	AUG/92
D	RE-ISSUED FOR CITY APPROVAL	NOV/92



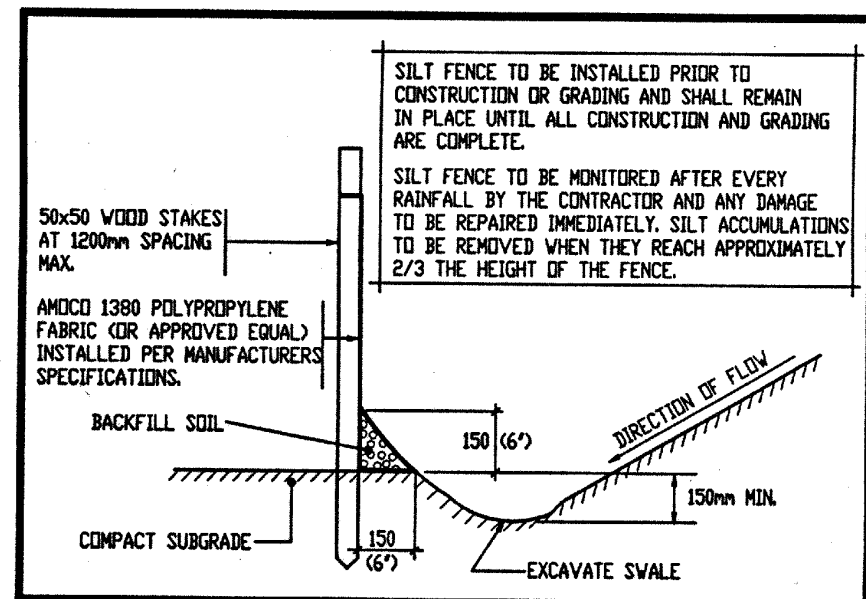
KEY PLAN

NTS

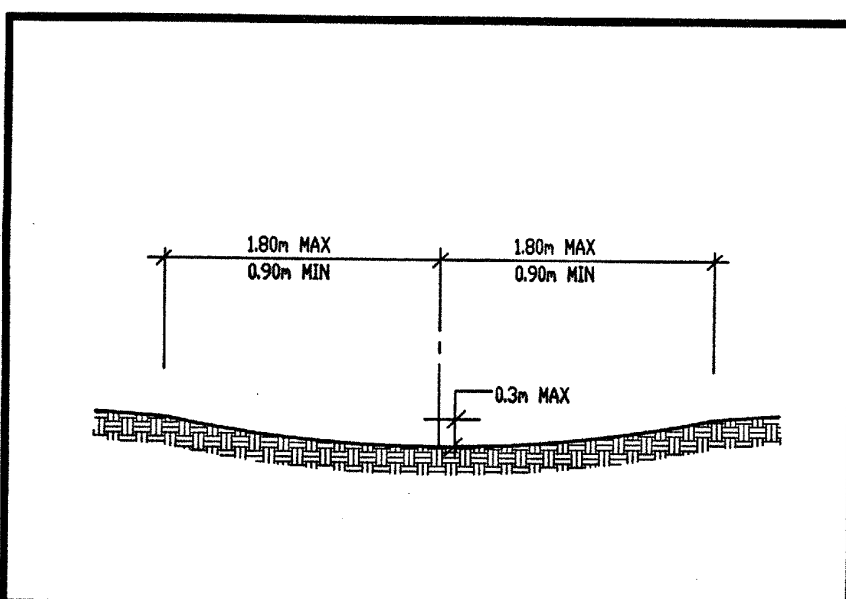


GRADE PLAN

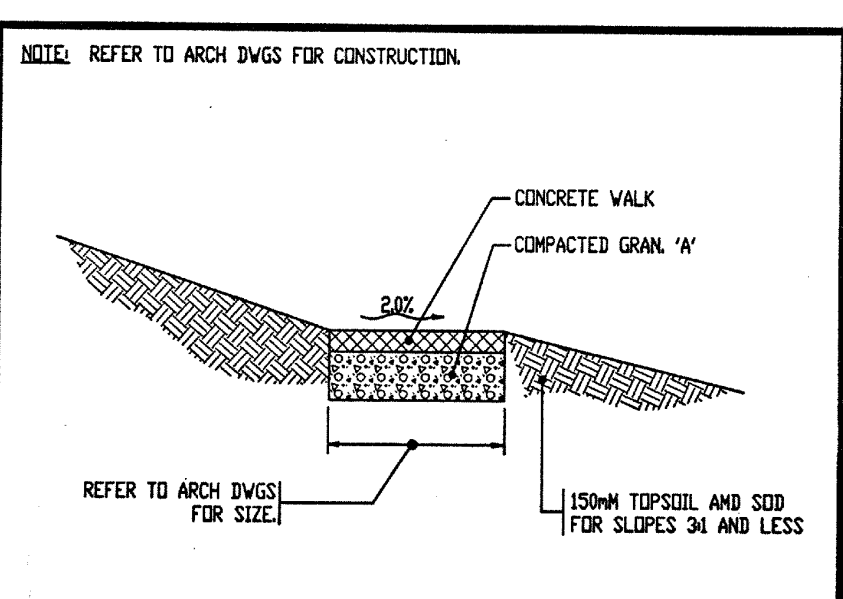
SCALE 1:300



A SILT CONTROL FENCE
G1 NTS.



B SWALE DETAIL
G1 NTS.



C WALKWAY SECTION
G1 NTS.

NOTES

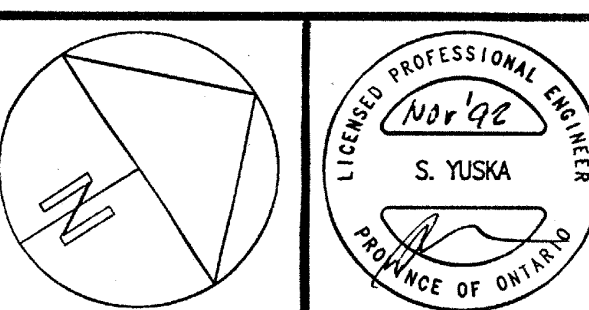
1. TOPO INFORMATION TAKEN FROM PLAN CORRESPONDING TO JOB # 89-35(17) PREPARED BY GINTHER RUD SURVEYING LTD. - AUGUST 1, 1990.
2. ALL WALKWAYS TO HAVE MIN. 2.0% CROSS-FALL SLOPE.
3. THIS PLAN TO BE READ IN CONJUNCTION WITH DRAWINGS NO. M1, A1, LANDSCAPING PLAN AND STORMWATER MANAGEMENT REPORT DATED AUG. 31, 1992.
4. CONTRACTOR SHALL NOT UNDERTAKE ANY GRADING ON ADJACENT PROPERTIES WITHOUT WRITTEN APPROVAL FROM THE PROPERTY OWNER. COPIES OF THESE LETTERS OF APPROVAL TO BE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS FOR APPROVAL PRIOR TO ANY WORK BEING UNDERTAKEN.
5. BENCHMARK MONUMENT 670059 (SOUTH CORNER OF THIS PROPERTY) AT ELEVATION 329.00.
6. MATCH ALL EXISTING PROPERTY LINE GRADES.
7. SEE LANDSCAPE PLAN FOR TREES TO BE RETAINED.

GRADING LEGEND

± 100.00	EXISTING ELEVATION
+ 100.00	NEW ELEVATION
- 100.00	EXISTING CONTOUR
- 100.00	NEW CONTOUR ELEVATION
3:1 SLOPED BANK	UNLESS OTHERWISE NOTED
1:1	DIRECTION OF FLOW
A1	STORM WATER MANAGEMENT AREA NUMBER - A1
---	SIM AREA BOUNDARY
---	SIM PONDING BOUNDARY
---	SILT CONTROL FENCE

PRINTING DATE
PLOTING DATE
COMP. FILE 9102901

GRADING PLAN



JOB NO. 9081 DRAWN AH
DATE JUNE 16/92 DWG. G1
SCALE AS NOTED NO

MILL/COURTLAND
COMMUNITY CENTRE
MILL & STIRLING
216 MILL STREET
KITCHENER ONTARIO

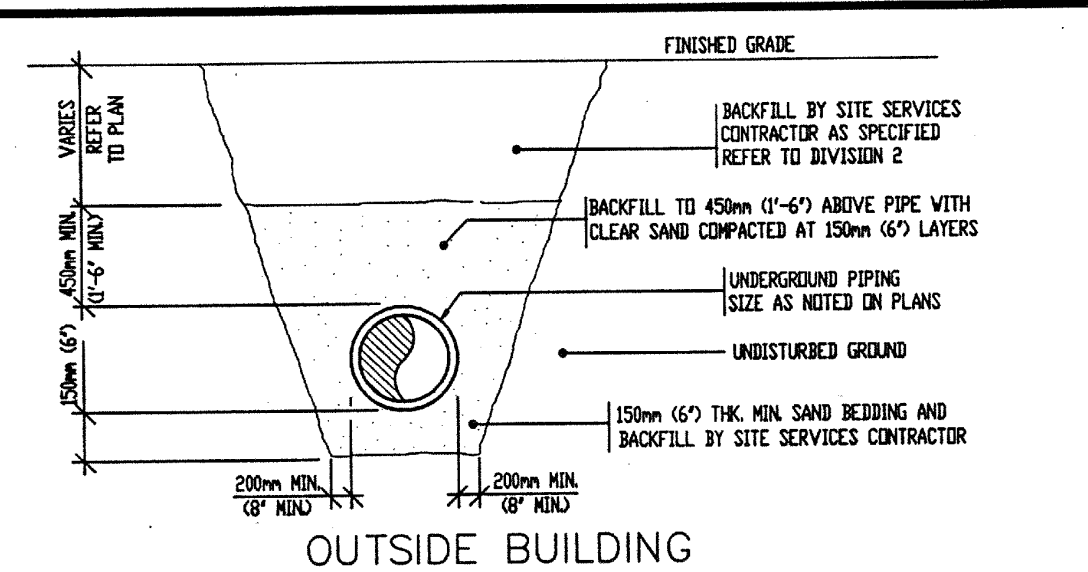
[illegible]

Diagram illustrating the cross-section of a road with a total width of 15 M. The road is divided into three sections: a central asphalt section and two side sections. The central asphalt section is labeled "BACK OF SIDEWALK" and "ASPHALT". The side sections are labeled "EDGE OF PAVEMENT". The dimensions are: 0.750 M for the left side section, 15 M for the total width, and 0.750 M for the right side section.

EXTERIOR WALL

FIN FLOOR

1500 STN PIPE

R/WL BY GEN. CONTRACTOR

AFTER INSTALLATION OF R/WL BY GEN. CONTRACTOR SEAL AROUND OPENING WITH PLASTIC WATER PROOF SEALER

FIN GRADE

CAST IRON TO P.V.C. ADAPTER

50mm

450mm (100?)

CHAMBER INSIDE DIMENSIONS: 3900 L x 1450 W x 1475 H

[illegible]

AMCO 1380 POLYPROPYLENE FABRIC (OR APPROVED EQUAL) INSTALLED PER MANUFACTURERS SPECIFICATIONS.

BURIED FABRIC

50x50 CEDAR STAKES

FIN. GRADE

100mm

CATCHBASIN W/ GRATE

300mm TYP.

300mm TYP.

30.1 ENCLOSURE TO BE INSTALLED ALONG PERIMETER OF PROPOSED CATCH BASIN UPON COMPLETION OF SERVICES AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION AND GRADING ARE COMPLETE.

30.1 ENCLOSURE TO BE MONITORED AFTER EVERY RAINFALL BY THE CONTRACTOR AND ANY DAMAGE TO BE REPAIRED IMMEDIATELY. SILT ACCUMULATIONS TO BE REMOVED WHEN THEY REACH APPROXIMATELY 2/3 THE HEIGHT OF THE FENCE.

SIT SERVICE NOTES:

CODES AND REGULATIONS:

1. ALL SANITARY, FLOOR WATER, STORM AND ALL WATER PIPING SIZING AND CONNECTIONS SHALL CONFORM TO THE ONTARIO PLUMBING CODE, ISSUED UNDER THE ONTARIO WATER RESOURCES COMMISSION ACT REGULATION 815 DATED 1984 AND NEW CANADIAN PLUMBING CODE AND THE LOCAL BY-LAWS AND REGULATIONS IN HARMONIZATION IN THE AREA OF THE PROJECT.

CONTRACTOR IS TO FAMILIARIZE HIMSELF WITH LATEST CITY SPECIFICATIONS FOR SEWERS AND WATERMANS AND COMPLY WITH ALL REQUIREMENTS OF THOSE SPECIFICATIONS. THE CITY SPECIFICATIONS SHALL TAKE PRECEDENCE OVER THIS SPECIFICATION OR NOTES ON THE DRAWINGS.

THE FOLLOWING PRODUCTS, MATERIALS AND INSTALLATIONS SHALL CONFORM TO THE ONTARIO PROICIAL STANDARD DRAWINGS AS NOTED:

ITEM	QPSD DWG. No.
PRECAST MANHOLE	1001.01
MANHOLE FRAME AND COVER	401.01
MANHOLE STEPS	405.01
PRECAST CATCH BASIN	700.01
CATCH BASIN FRAME AND GRATE	408.01
CATCH BASIN CONNECTION	708.01
SEWER SERVICE CONNECTION	708.02
VALVE INSTALLATION	709.01
HYDRANT INSTALLATION	1105.01
WATER SERVICE CONNECTION	1104.02
THRUST BLOCK	1103.01
STANDARD BEDDING	1105.01
BENCHING DETAILS	1004.01
BEDDING DETAILS	805, 1005, 1102

2. TESTING:
ALL DRAINS AND PIPING SHALL BE TESTED IN THE PRESENCE OF THE ARCHITECT. THESE TESTS SHALL BE MADE BEFORE THE PIPES ARE INSULATED, BACKFILLED OR CONCEALED IN ANY WAY. ANY LEAKS SHALL BE REPAIRED AND THE SYSTEM RETESTED AS OFTEN AS NECESSARY TO OBTAIN THE APPROVAL OF THE ARCHITECT.

STORM AND SANITARY PIPING: ALL STORM AND SANITARY PIPING SHALL BE TESTED WITH WATER UNDER THE GUIDANCE OF THE LOCAL PLUMBING INSPECTOR. SMOKE TESTS OR ANY OTHER REQUIRED BY THE PLUMBING INSPECTOR SHALL ALSO BE MADE.

WATER PIPING: REFER TO CITY STANDARD SPECIFICATION FOR WATERMAINS.

3. PIPES AND FITTINGS:
SANITARY DRAINAGE:
600 MM AND SMALLER: CSA APPROVED PVC TO SDR-35 MINIMUM WITH SOLVENT WELDED FITTINGS OR CONCRETE SEWER PIPE.

WATER PIPING:

DUCTILE IRON PIPE CEMENT LINED ASA CLASS 2 WITH TYTON JOINTS. ANCHOR ALL TURNS, FITTINGS SHALL BE CLAMPED AT BENDS AND TEES WITH 20 MM (3/4") RODS FOR PIPING OVER 50 MM (2").

TYPE "K" SOFT COPPER FOR PIPING 50mm (2") AND UNDER

PVC TO SDR 28 C/W CATHODIC PROTECTION FOR ALL MECHANICAL FITTINGS.

STORM DRAINAGE:
300 MM (12") SIZE AND SMALLER: ASTM C14 AND CSA 257.1 E.S. CONCRETE SEWER PIPE OR EQUAL
CSA APPROVED PVC WATER PIPE TO THE AUTHORITIES HAVING JURISDICTION.

4. MANHOLES:
PROVIDE WHERE SHOWN J.D. OAKS PRECAST REINFORCED CONCRETE MANHOLES WITH 1200
DIAMETER SECTIONS, GALVANIZED STEPS, TAPERED TOP, CONING BRICKS, BASE SECTION
600 MM (24") DIAMETER HEAVY DUTY CAST IRON MANHOLE FRAME AND COVER AS PER CITY

5. CATCH BASINS:
 PROVIDE WHERE SHOWN J.D. OAKES OR EQUAL PRECAST REINFORCED CONCRETE CATCH BASINS, 600 MM (24") SQUARE WITH 125 MM WALLS OF DEPTHS REQUIRED WITH 600 MM (24") BASIN FRAME AND GRATE AS PER CITY STANDARDS.

PROVIDE WHERE SHOWN ON THE DRAWINGS AN APPROVED VALVE COMPLETE WITH EXTENSIONS PER CITY STANDARDS. VALVE SHALL BE CANADA VALVE LTD. OR EQUAL, INSIDE SCREW, NON RISING STEM WITH IRON BODY, BRONZE MOUNTING, 50 MM (2") SQUARE WRENCH WITH NUT AND SCREW VALVE BOX.

7. CURB STOP:
PROVIDE WHERE SHOWN ON THE DRAWINGS AN APPROVED CURB STOP COMPLETE WITH EXTENSION AS PER CITY STANDARDS.

YR: FIRE HYDRANT

HYDRANT SHALL BE CANADA VALVE LTD. "CENTURY" TYPE OR MACAVITY WITH TWO 65 MM (2 1/2") HOSE FITTINGS AND STEAMER PORT, CCW OPENING 2.1M MODEL WITH 150 MM (6") MECHANICAL JOINT BASE. PROVIDE DARLING 150 MM (6") #55 GATE VALVES IRON BODY

9: EXCAVATING AND BACKFILLING:
ALL EXCAVATING AND BACKFILLING OUTSIDE THE BUILDING FOR PLUMBING PIPES AND DRAINS SHALL BE CARRIED BY THIS CONTRACTOR. ALL BACKFILLING SHALL BE COMPACTED AT LEAST 10% MORE THAN 150 HILLAYERS TO THE SATISFACTION OF THE ARCHITECT.

ALL BACKFILL FOR EXCAVATION OUTSIDE THE BUILDING AND NOT UNDER PAVED AREAS MAY BE THE ORIGINAL EXCAVATED MATERIAL, WITH THE EXCEPTION OF 300 MM ABOVE THE PIPES WHICH SHALL BE GRAVEL FILL, TYPE "A", BRIGHTLY IN COLOR FOR THIS PURPOSE.

BACKFILL FOR EXCAVATING UNDER ROADWAYS OR OTHER PAVED AREAS SHALL BE CLASS "B" BEDDING UNLESS OTHERWISE NOTED.

10. THE CITY OF KITCHENER WILL INSTALL THE SANITARY, STORM AND WATER SERVICES FROM THE STREET MAINS TO THE PROPERTY LINE, INCLUDING ROADWAY RESTORATION, AT THE CONTRACTOR'S EXPENSE. THIS CONTRACTOR TO INSTALL DRIVEWAY RAMP, CURB AND GUTTER, SIDEWALK AND ALL BOULEVARD RESTORATION TO THE CITY OF KITCHENER STANDARDS.

11. ALL EXISTING CURB CUTS TO BE REPLACED WITH NEW CURB/GUTTER TO CITY SPECIFICATIONS.

GALVANIZED LAG BOLTS
(4 TYP)

OUTLET PIPE O.D. + 100mm (4")

OUTLET

Diagram showing the connection of a weld joint to an outlet pipe. The weld joint is labeled "WELD JOINT" and the outlet pipe is labeled "OUTLET PIPE".

6mm (1/2") THICK STEEL PLATE—
ORIFICE OPENING

G ORIFICE PLATE DETAIL

MT. NTS.

MECHANICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SAN. BELOW GRADE/FLOOR		REDUCER / INCREASE
	SAN. ABOVE FLOOR		GAS VALVE
	STM. BELOW GRADE/FLOOR		BALL VALVE
	STM ABOVE FLOOR		RELIEF VALVE
	IDM. COLD WATER		CHECK VALVE
	IDM. HOT WATER		GATE VALVE
	RECIRC. HOT WATER		PIPE DN
	15 dia. TRAP PRIMER		PIPE UP
	VENT PIPING		BALANCING DAMPER
	GAS PIPING		SPLITTER DAMPER
	FLOOR CLEANOUT		SUPPLY AIR DUCT
	LINE CLEANOUT		EXHAUST AIR DUCT
	UNION		ACOUSTIC DUCT LINING
	STRAINER		FLEXIBLE DUCTWORK
	FIRE EXTINGUISHER		OPPOSED BLADE DAMPER
	FIRE HYDRANT		FIRE DAMPER
	CURB STOP		OVERLAND FLOOD ROUTE
	VALVE & VALVE BOX		THERMOSTAT
	THRUST BLOCK		PRESSURE GAUGE
	THERMOMETER		VVT DAMPER

**YUSKA, MONTGOMERY
& ASSOCIATES**
MECHANICAL & ELECTRICAL
CONSULTING ENGINEERS

509 MILL STREET,
KITCHENER, ONTARIO N2G 2Y5
TELEPHONE (519) 744-7341

PROJECT NO. 90-134

DO NOT SCALE DRAWINGS.

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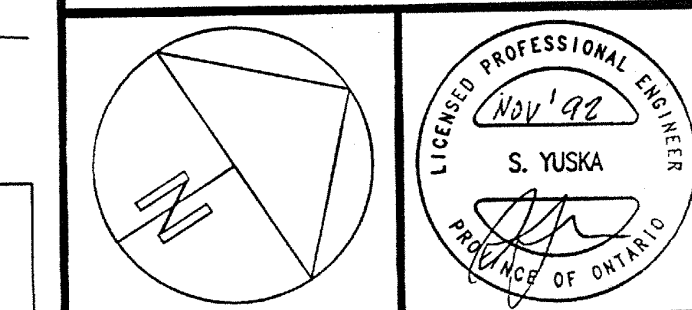
DO NOT USE THIS DRAWING FOR CONSTRUCTION UNLESS SIGNED BY THE ARCHITECT'S OFFICE !

NO.	REVISIONS	DATE & INITIAL
1	ISSUED FOR REVIEW	APR/81
2	ISSUED FOR FINAL APPROVAL	JUN/81
A	ISSUED FOR TENDER (#92-43)	APR/82
B	REVISED FOR TENDER (#92-43)	JUL/82
C	ISSUED FOR CITY APPROVAL	AUG/82
D	RE-ISSUED FOR CITY APPROVAL	NOV/82

CANADIAN NATIONAL RAILWAY
LOT 1, SUBDIVISION LOT 18, G.C.T.

PRINTING DATE	
PLOTTING DATE	
COMP. FILE	91029M1

SITE PLAN

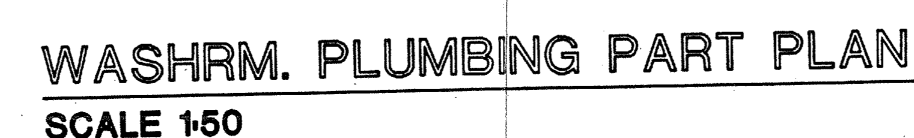
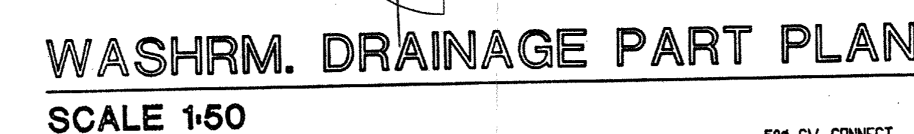
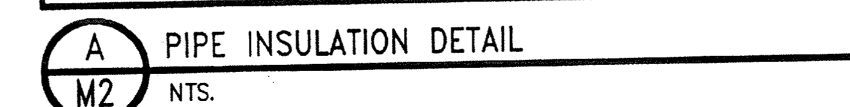


JOB NO.	9081	DRAWN	AH
DATE	APRIL 1991	DWG. NO	M1
SCALE	1:300		

**MILL/COURTLAND
COMMUNITY CENTRE**
MILL & STIRLING
216 MILL STREET
KITCHENER ONTARIO

NOTES

1. TOPOG INFORMATION TAKEN FROM PLAN CORRESPONDING TO JOB # 69-35(17) PREPARED BY GYNTHIER RUIED SURVEYING LTD. - AUGUST 1, 1980.
2. ALL WALKWAYS TO HAVE MIN. 2.0% CROSS-FALL SLOPE.
3. THIS PLAN IS TO BE READ IN CONJUNCTION WITH DRAWINGS NO. G1, A1, LANDSCAPING PLAN AND STORMWATER MANAGEMENT REPORT DATED AUG. 31, 1992.
4. CONTRACTOR SHALL NOT UNDERTAKE ANY GRADING ON ADJACENT PROPERTIES WITHOUT WRITTEN APPROVAL FROM THE PROPERTY OWNER. COPIES OF THESE LETTERS OF APPROVAL TO BE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS FOR APPROVAL PRIOR TO ANY WORK BEING UNDERTAKEN.
5. BENCHMARK: MONUMENT 670059 (SOUTH CORNER OF THIS PROPERTY) AT ELEVATION 329.00
6. MATCH ALL EXISTING PROPERTY LINE GRADES.
7. SEE LANDSCAPE PLAN FOR TREES TO BE RETAINED.

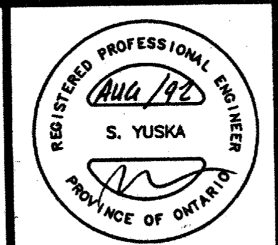


_____ DATE _____		
NO.	REVISIONS	DATE INITIAL
1	ISSUED FOR REVIEW	APR./91 (L.D.)
2	ISSUED FOR FINAL APPROVAL	JUN./91 (L.D.)
A	ISSUED FOR TENDER (#92-43)	APR./92 (L.D.)
B	REVISED FOR TENDER (#92-43)	JUL./92 (L.D.)

CONESTOGO MECHANICAL INC.
30 VERNON AVE.,
P.O. BOX 128
KITCHENER, ONTARIO
N2G 3W9 579-6740

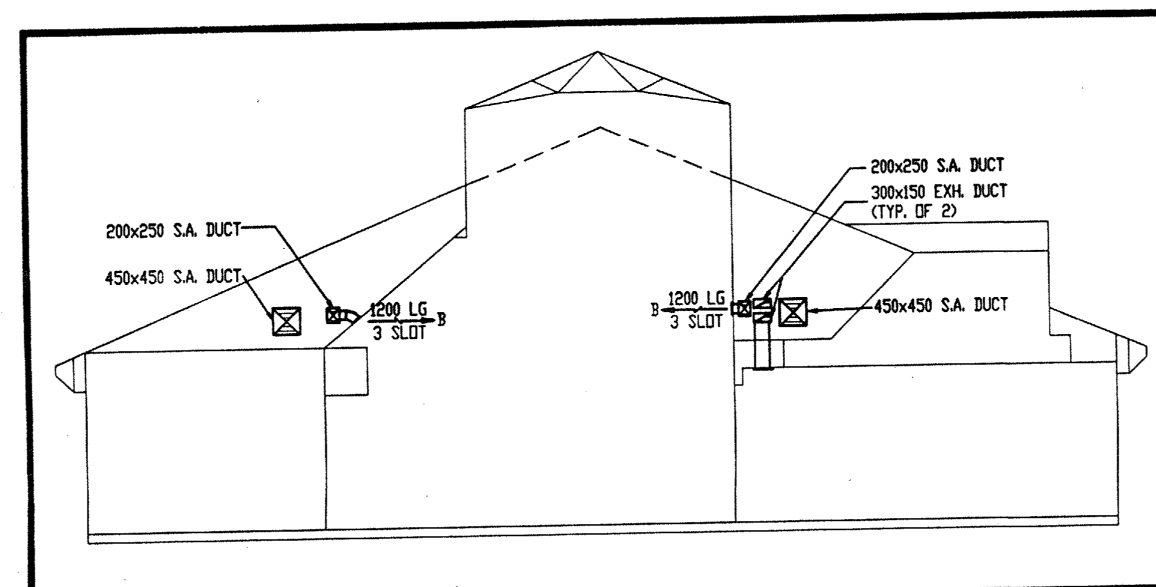
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PLOTTING DATE	APR.15/91
COMP. FILE	91029M2.dwg

PLUMBING & DRAINAGE

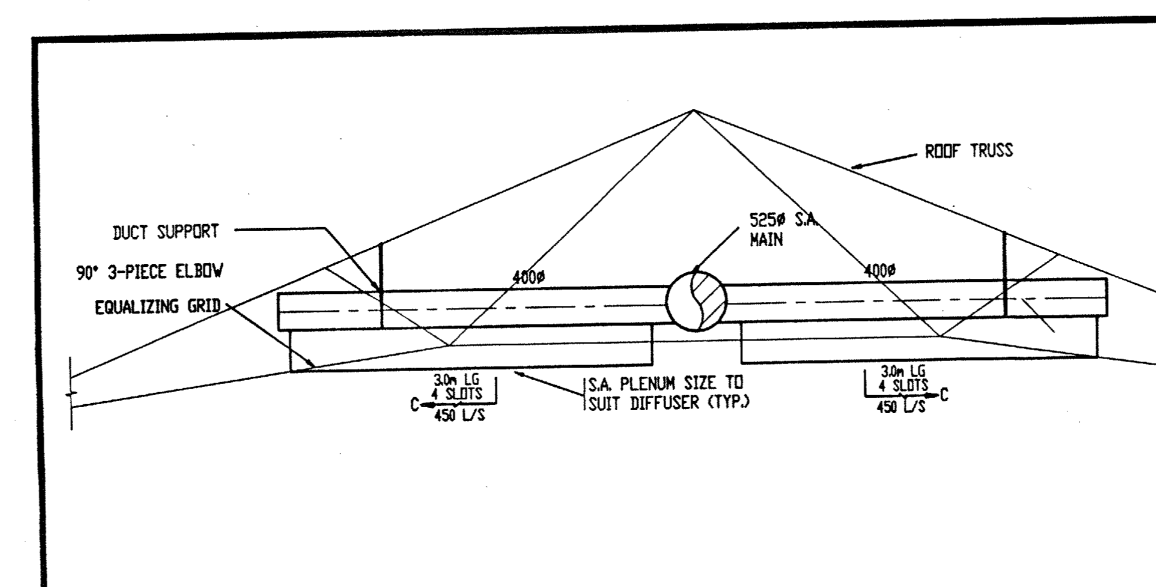


JOB NO.	9081	DRAWN	P.K.
DATE	APR. 15/91	DWG. NO	M2
SCALE	AS NOTED		

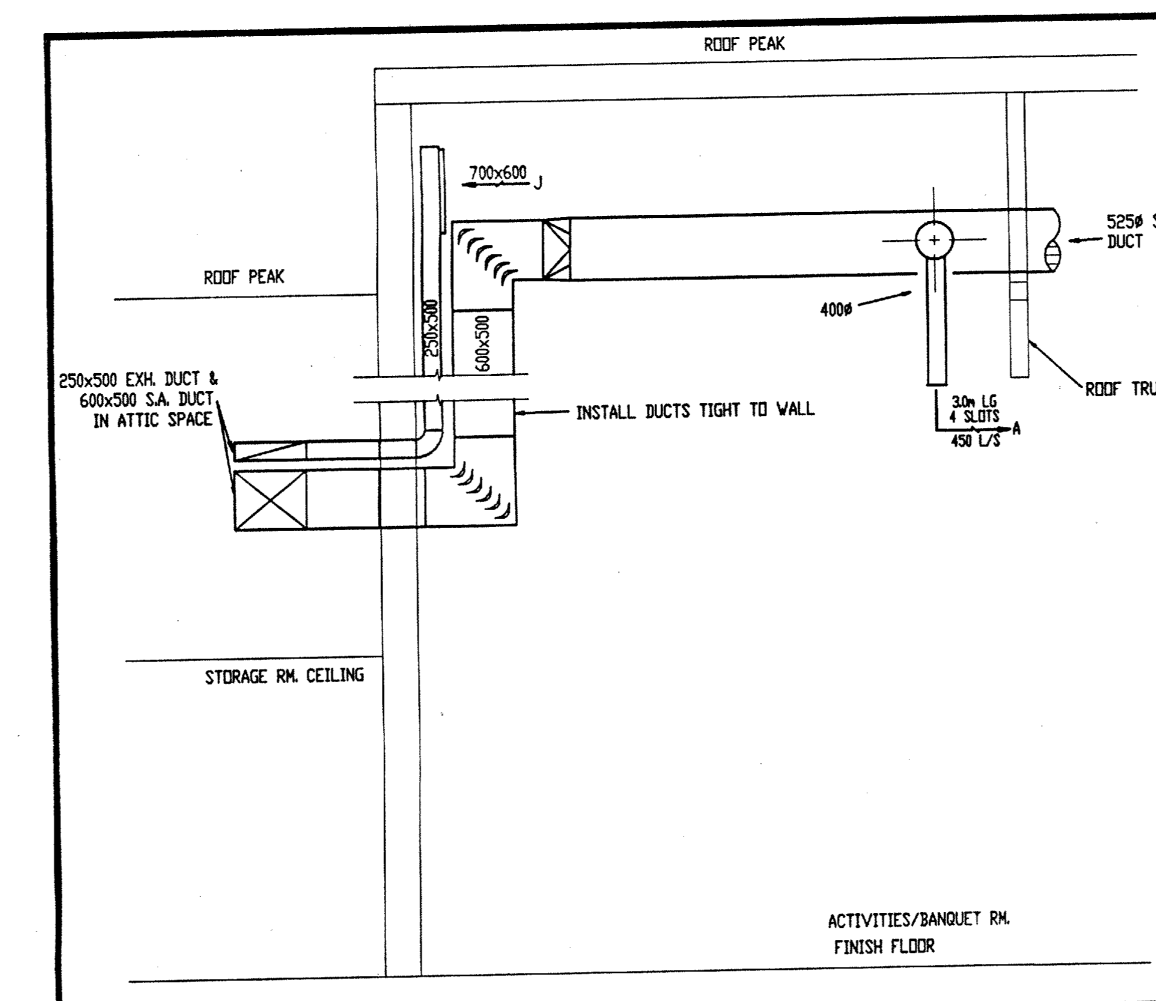
KITCHENER ONTARIO



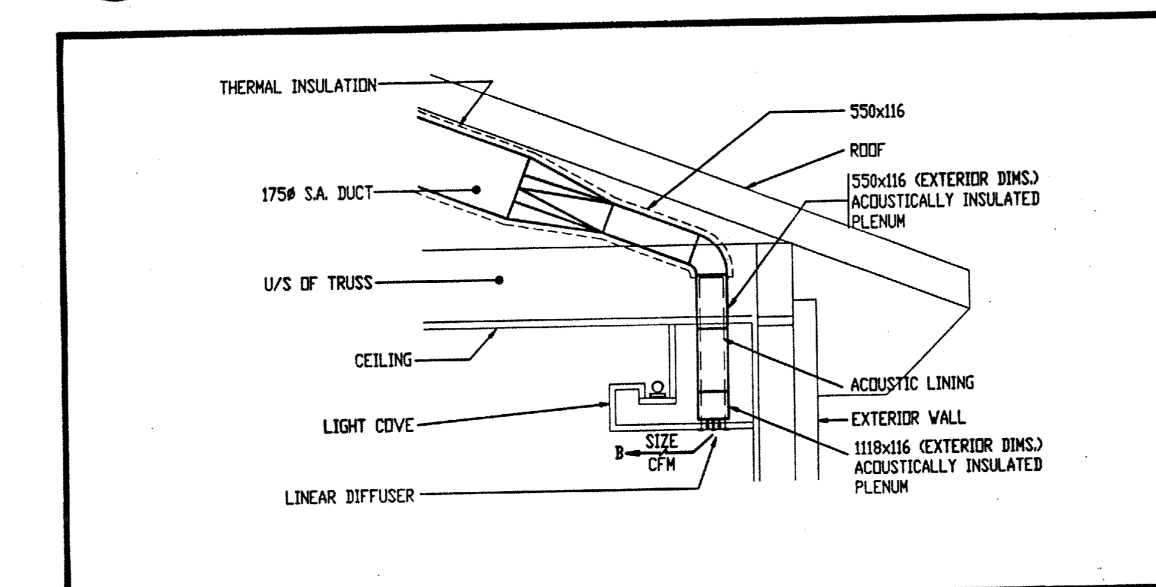
A CORE DUCTWORK SECTION
M1 1:50



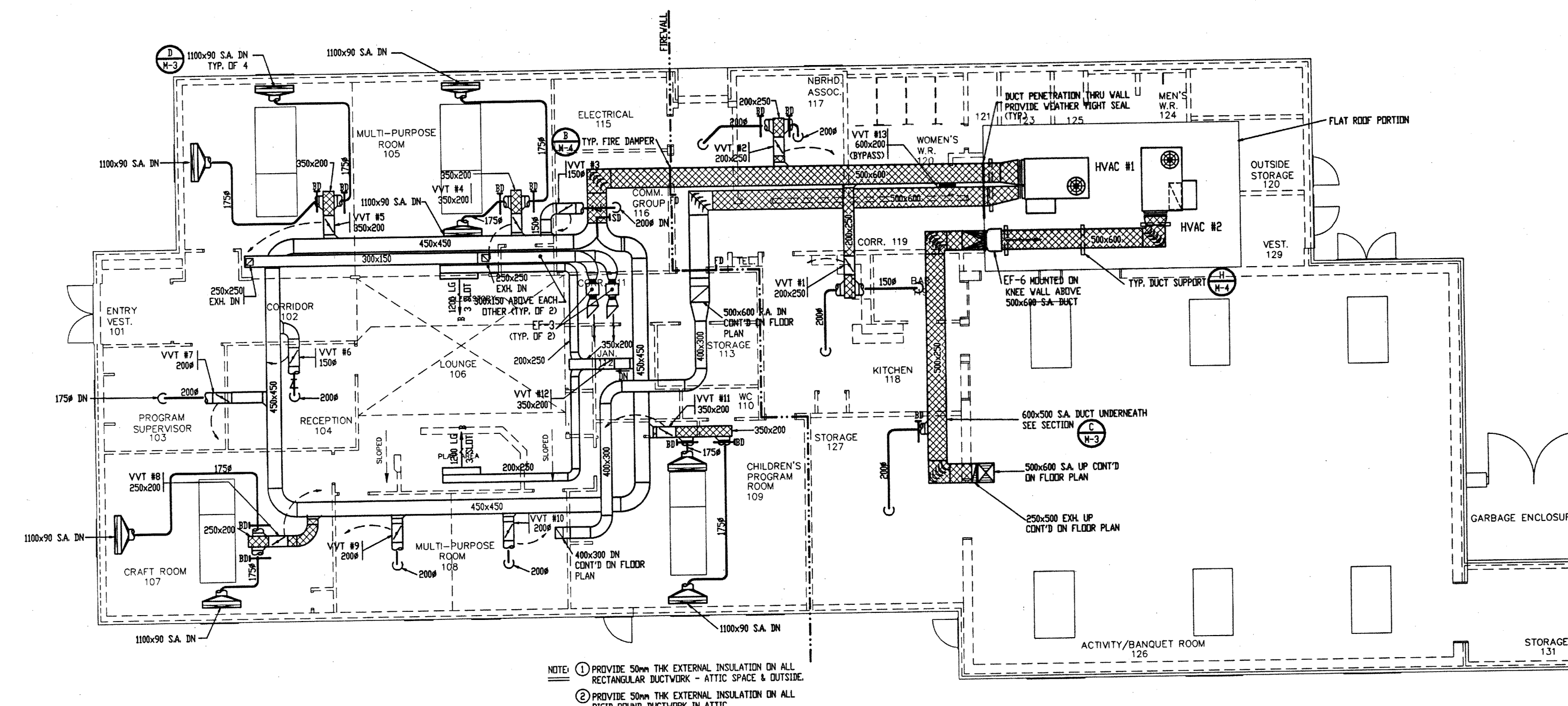
B ACTIVITY RM. DUCTWORK SECTION
M3 1:50



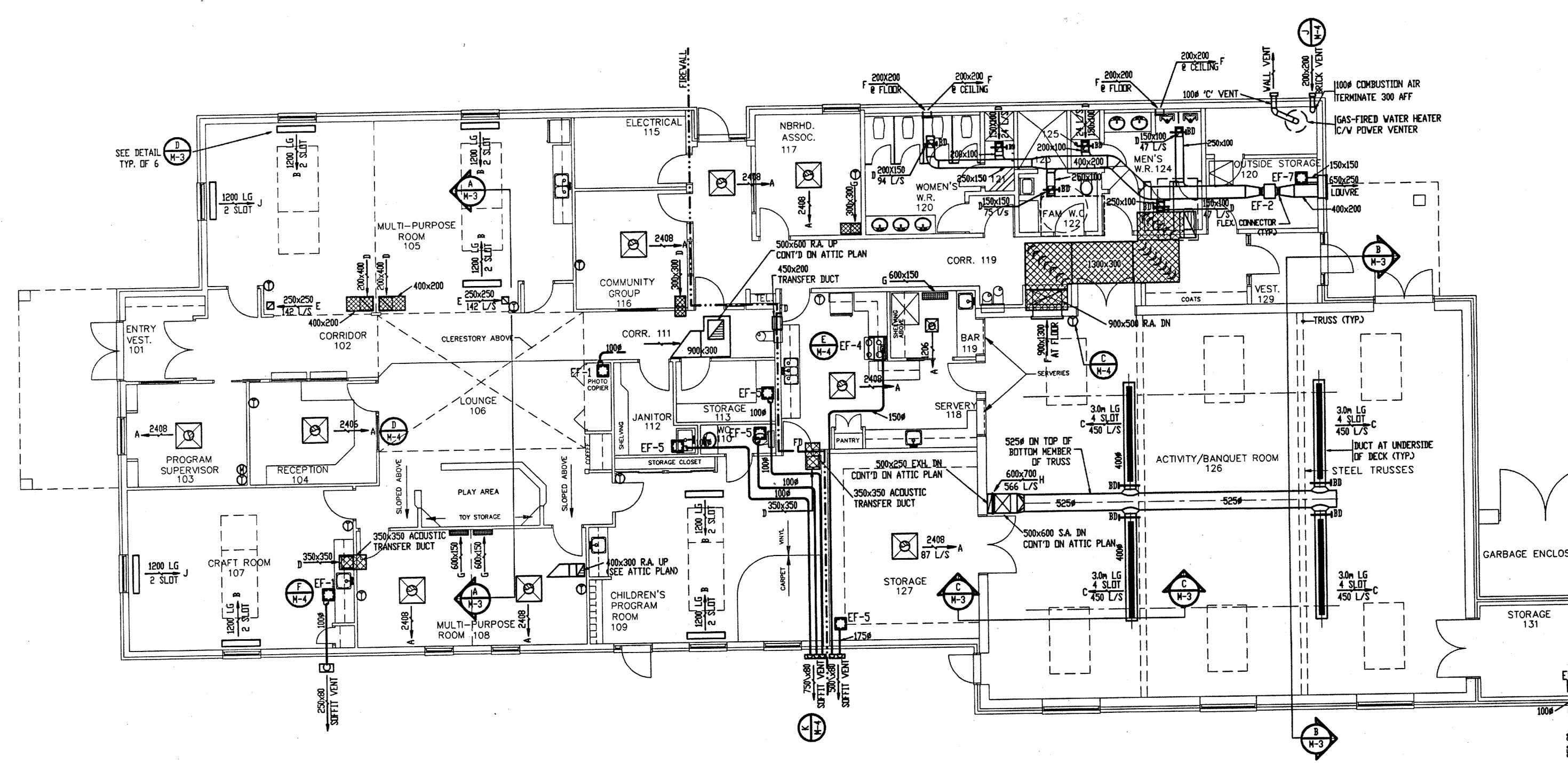
C ACTIVITY RM. DUCTWORK SECTION
M3 1:50



D LIGHT COVE BULKHEAD DETAIL
M3 1:25



ATTIC PLAN
SCALE 1:100



FLOOR PLAN
SCALE 1:100

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MECHANICAL & ELECTRICAL
CONSULTING ENGINEERS

509 MILL STREET,
KITCHENER, ONTARIO N2G 2Y5
TELEPHONE (519) 744-7341

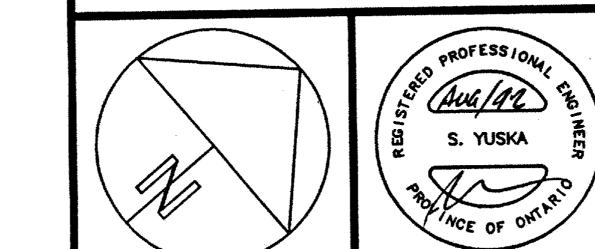
PROJECT NO. 90-134

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NO.	REVISIONS	DATE & INITIALS
1	ISSUED FOR REVIEW	APR/91 (L.S.)
2	ISSUED FOR FINAL APPROVAL	JAN/91 (L.S.)
A	ISSUED FOR TENDER (#2-43)	APR/92 (L.S.)
B	REVISED FOR TENDER (#2-43)	JAN/92 (L.S.)

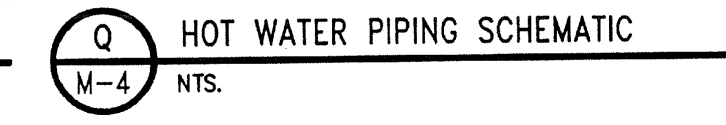
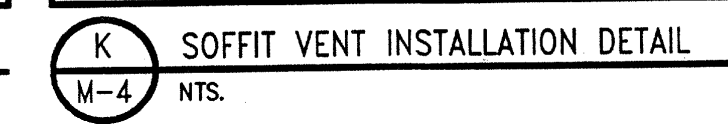
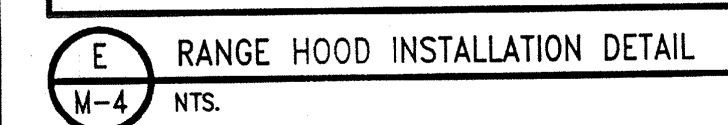
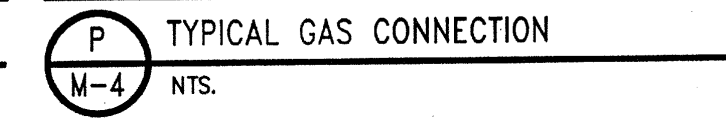
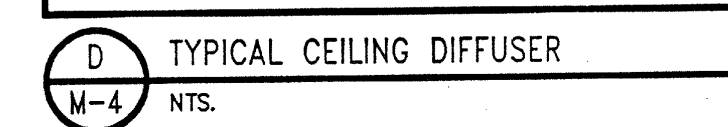
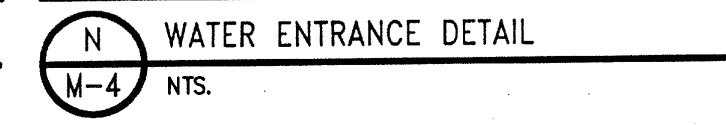
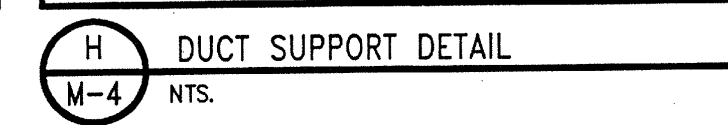
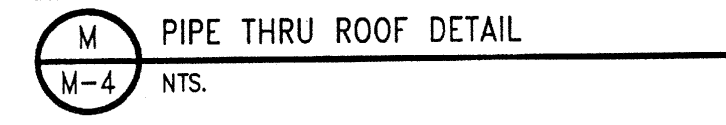
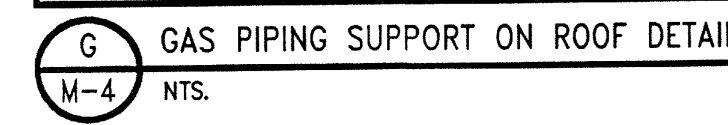
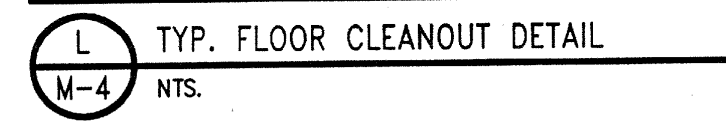
PRINTING DATE
PLOTING DATE APR.15/91
COMP. FILE 91029M3.dwg

**HEATING, VENTILATION
& AIR CONDITIONING**



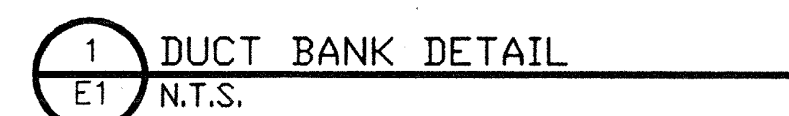
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DATE APR. 15/91 DWG. NO. M3
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
**MILL/COURTLAND
COMMUNITY CENTRE**
MILL & STIRLING
KITCHENER ONTARIO

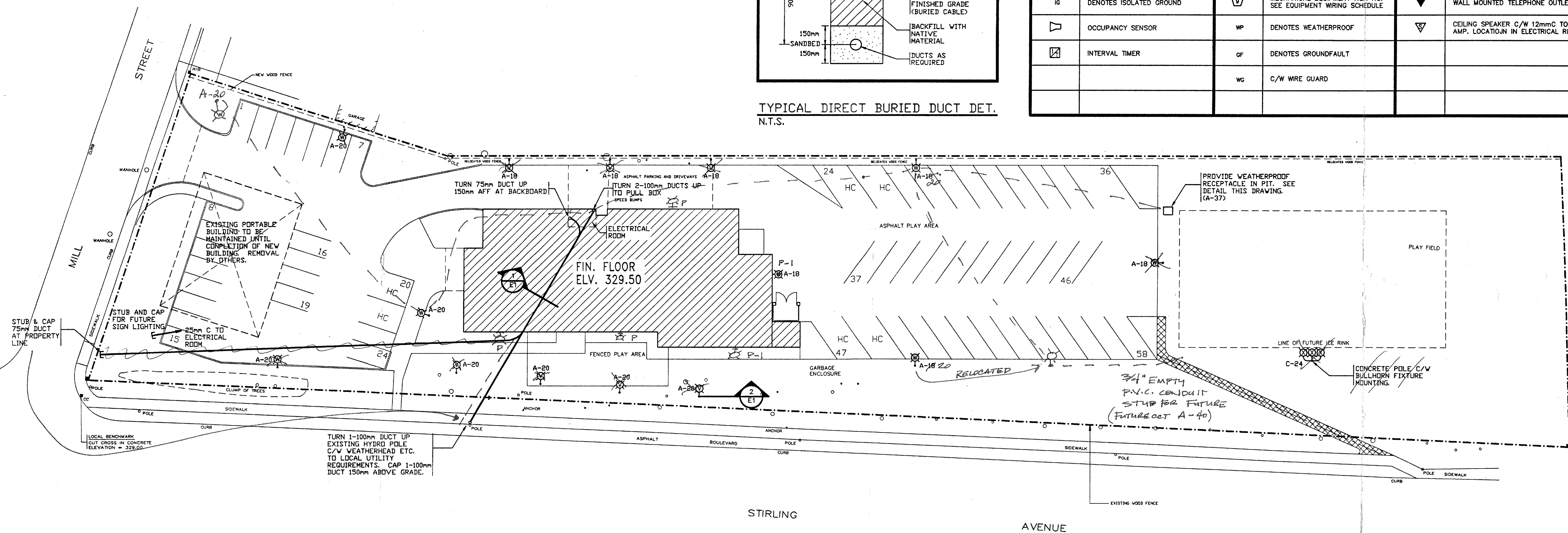


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KITCHENER ONTARIO



 <div style="display: inline-block; vertical-align: middle; text-align: center;"> <h1 style="margin: 0;">YUSKA, MONTGOMERY & ASSOCIATES</h1> <p style="margin: 5px 0 0 0;">MECHANICAL & ELECTRICAL CONSULTING ENGINEERS</p> </div>		
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<p>PROJECT NO. 91-029</p>		
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_____		DATE _____
NO.	REVISIONS	DATE & INITIAL
1	ISSUED FOR REVIEW	APRIL/91 (AJS)
2	ISSUED FOR REVIEW	JUNE/91 (AJS)
A	ISSUED FOR TENDER (#92-43)	APRIL/92 (AJS)
B	REVISED FOR TENDER (#92-43)	JULY/92 (AJS)
C	REVISED FOR TENDER (#92-43)	AUG/92 (AJS)

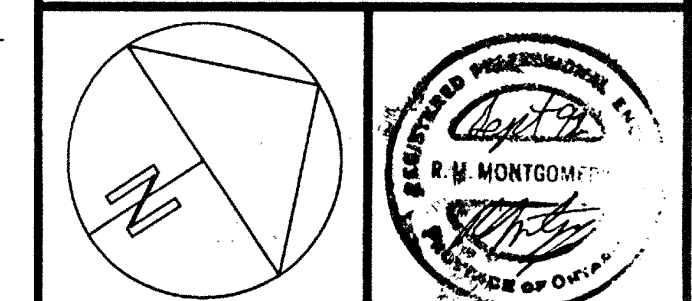


SITE PLAN
SCALE 1:300

CANADIAN NATIONAL RAILWAY
LOT 1, SUBDIVISION LOT 18, G.C.T.

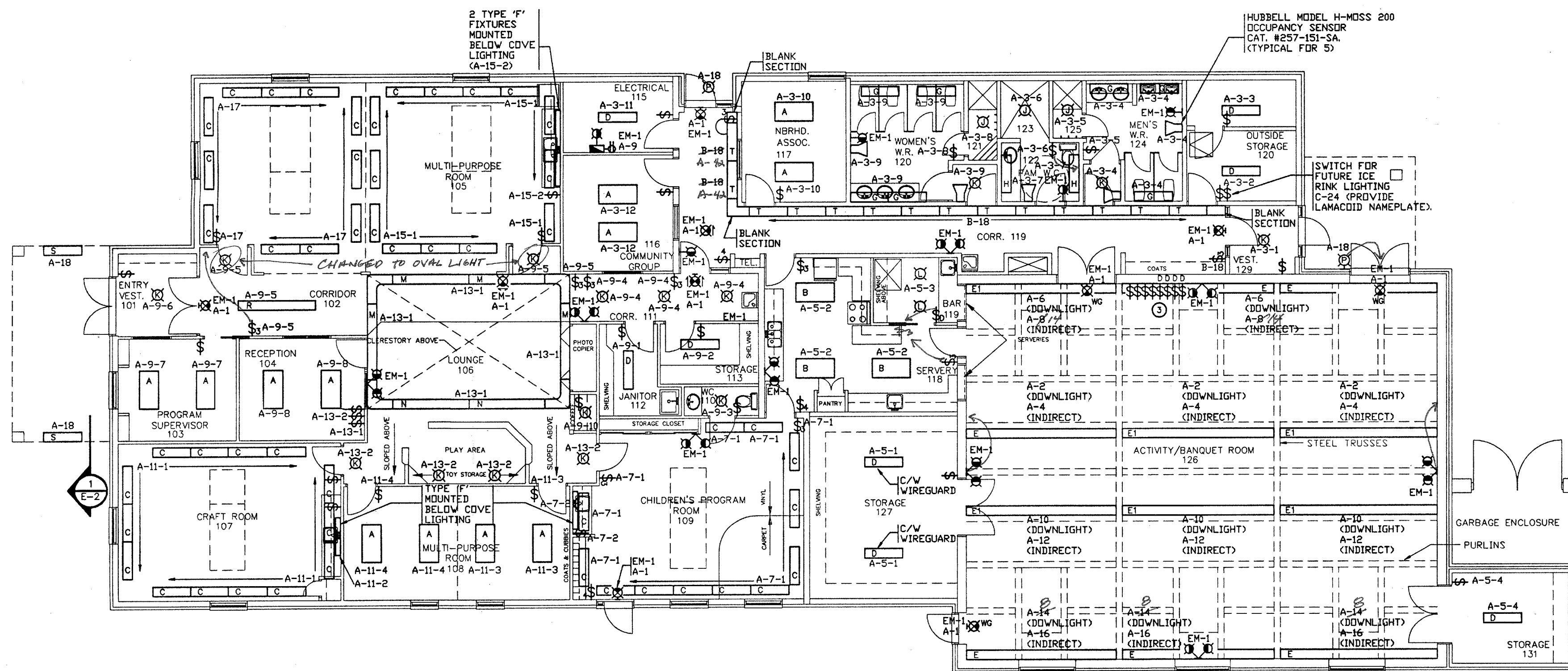
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PLOTTING DATE	
COMP. FILE	91029E1.dwg

SITE PLAN -
ELECTRICAL



JOB NO.	9081	DRAWN	M.R.
DATE	JUNE 1991	DWG.	E1
SCALE	AS NOTED	NO	

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KITCHENER ONTARIO

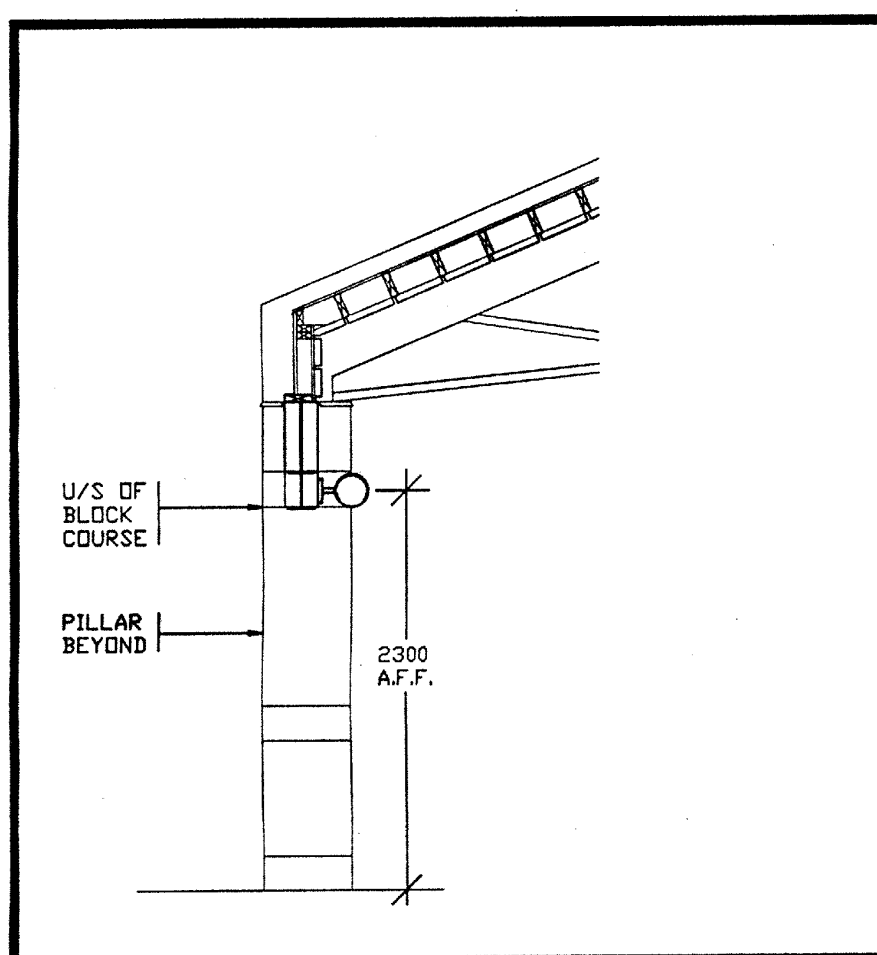


FLOOR PLAN

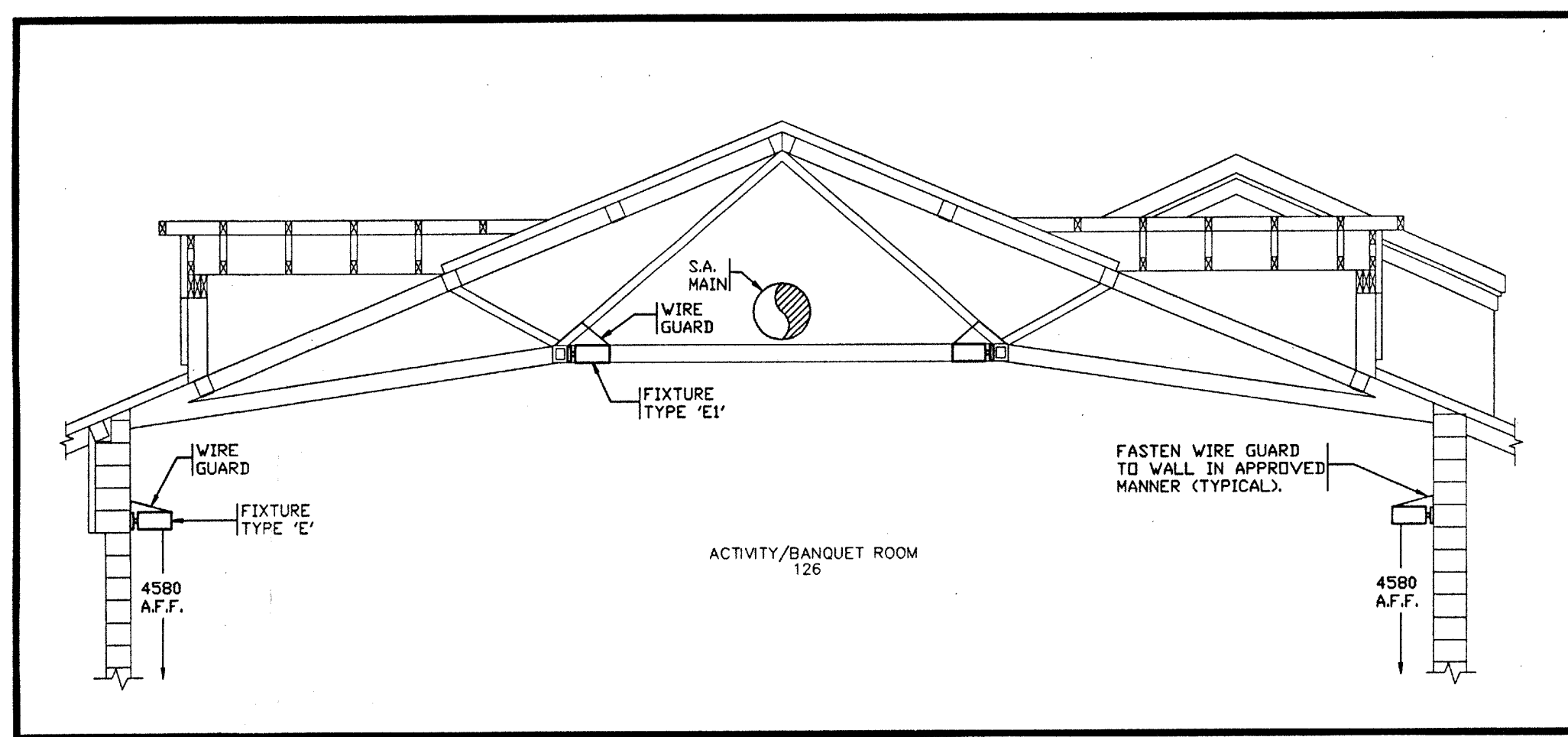
SCALE 1:100

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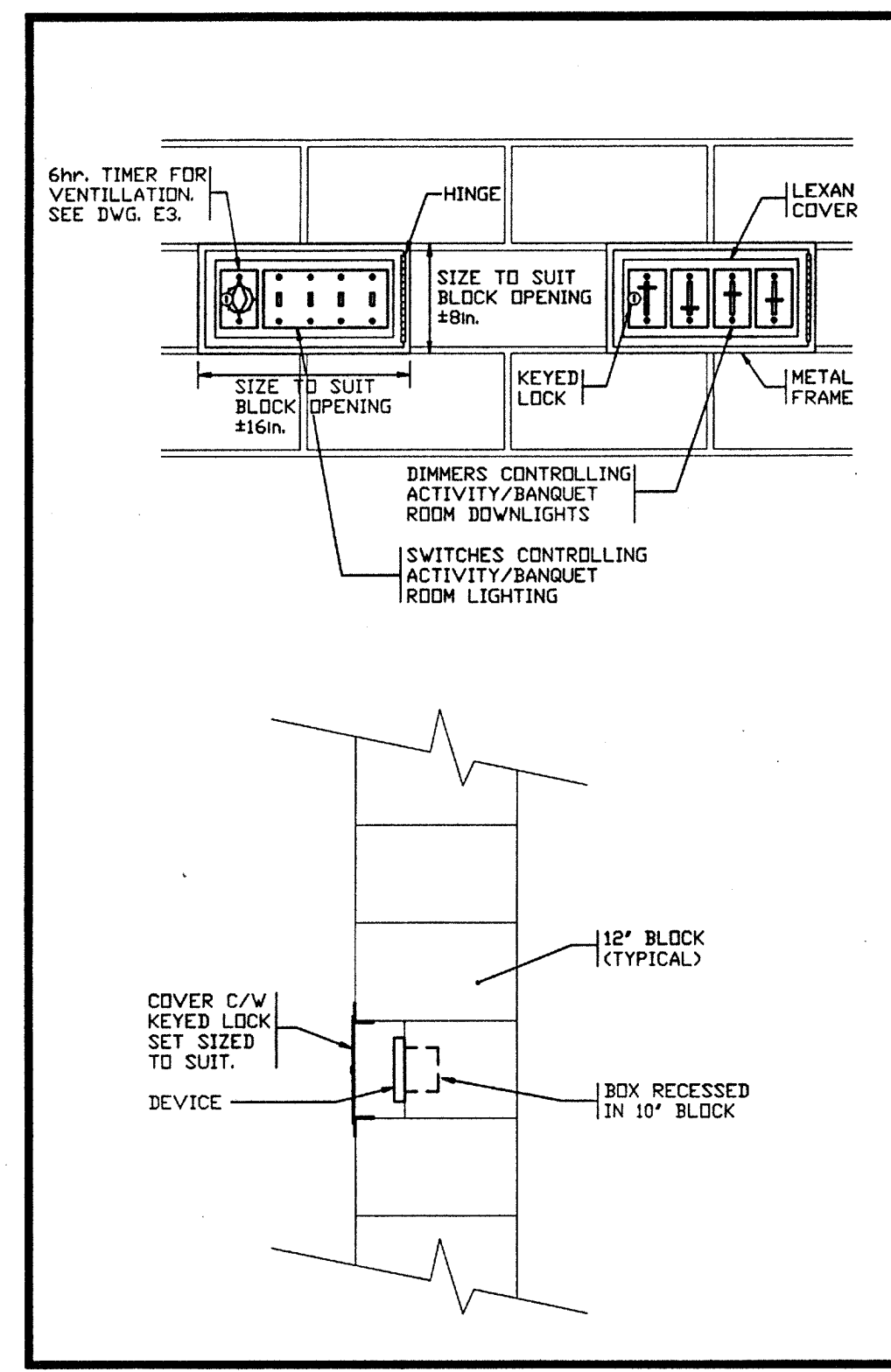
- CONNECT ALL EXIT LIGHTS TO FIRE ALARM SIGNAL CIRCUIT.
- SWITCHES IN THE ACTIVITY/BANQUET ROOM SHALL BE RECESSED. SEE DETAIL THIS DRAWING.
- SWITCHES CONTROLLING INDIRECT LIGHTING AND DIMMERS CONTROLLING DOWNLIGHTING TO BE RECESSED IN WALL BEHIND LOCKABLE COVERS. SEE DETAIL THIS DRAWING.



1 FIXTURE TYPE 'S' MOUNTING DET.
E-2 N.T.S.



FIXTURES TYPE 'E' AND 'E1' TYPICAL MOUNTING DETAIL IN ACTIVITY BANQUET ROOM
N.T.S.



ACTIVITY BANQUET ROOM DEVICE MTG. DETAIL
N.T.S.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMP
A	600x1200mm T-BAR TROFFER C/W HINGED, FRAMED K12 LENS, THOMAS CAT. #AG-6924-4 (120V).	2-32 WATT T-8
B	600x1200mm T-BAR TROFFER C/W HINGED, FRAMED K12 LENS, THOMAS CAT. #AG-6944-4 (120V).	4-32 WATT T-8
C	COVE MOUNTED 4'-0" STRIP, THOMAS CAT. #6248H (COVE BY OTHERS).	2-32 WATT T-8
D	SIMILAR TO TYPE 'C' EXCEPT SURFACE MOUNTED.	2-32 WATT T-8
E	EXTRUDED ALUMINUM INDIRECT/DIRECT FIXTURE C/W WHITE BAKED ENAMEL FINISH AND INTERGRAL BALLASTS. WALL MOUNTED 4345mm A.F.F. TO U/S OF FIXTURE. FIXTURE TO INCLUDE 1 INCANDESCENT DOWNLIGHT C/W PAINTED WIRE GUARDS, 2 H.I.D. INDIRECT LIGHTS C/W TEMPERED GLASS LENSES AND CONVEX WIRE GUARDS AND 1 AUXILIARY QUARTZ LAMP. METALLUMEN CAT. #136ACDG.	1-300 WATT PAR 56 FLOODS, 2-250 WATT T-17 MH. & 1-150 WATT QUARTZ
E1	SIMILAR TO TYPE 'E' EXCEPT MOUNTED TO SIDE OF PURLINS.	1-32 WATT T-8
F	RECESSED MOUNTED 4'-0" STRIP C/W EGGCRATE LENS (LENS BY OTHERS). THOMAS CAT. #6048C, MOUNTED IN BULKHEAD IN FRONT OF CUPBOARD.	1-32 WATT T-8
G	SIMILAR TO TYPE 'C' EXCEPT MOUNTED IN VALENCE. VALENCE AND LENS BY OTHERS.	2-32 WATT T-8
H	SIMILAR TO TYPE 'G' EXCEPT ONLY ONE LAMP.	1-32 WATT T-8
J	CAPRI 250mm SQUARE SHOWER LIGHT, CAPRI CAT. #PL316/120/S33.	2-19 WATT DTT
K	RECESSED MOUNTED POT LIGHT WITH CLEAR ALZAK REFLECTOR, LIGHTOLIER CAT. #1146CL/1102QNI.	2-13 WATT DTT
L	RECESSED MOUNTED POT LIGHT WITH CLEAR ALZAK REFLECTOR, LIGHTOLIER CAT. #1146CL/1102.	1-100 WATT A-19
M	WALL MOUNTED 2400mm FLUORESCENT UP/DOWN TUBELIGHT MOUNTED AT 3300mm A.F.F. METALUMEN CAT. #TR7A-E2-08-31VHXMM04A. COLOUR SELECTED BY ARCHITECT.	6-32 WATT T-8
N	SIMILAR TO TYPE 'M' EXCEPT PENDANT MOUNTED AT 3300mm A.F.F. METALUMEN CAT. #TR7A-E2-08-31VHXMM04A. COLOUR SELECTED BY ARCHITECT.	6-32 WATT T-8
P	'E' SERIES WALL MOUNTED THORN LIGHTING FIXTURE, THORN CAT. #E4507-1.	1-70 WATT H.P.S.
R	AIRCRAFT CABLE SUSPENDED 2400mm TUBELIGHT MOUNTED 2500mm TO BOTTOM OF FIXTURE. COLOUR SELECTED BY ARCHITECT. METALUMEN CAT. #TR7A-E2-08-31VHXMM04A.	2-32 WATT T-8
S	WALL MOUNTED 1200mm FLUORESCENT TUBELIGHT C/W 20" BALLAST, METALUMEN CAT. #TR7B-A2-04-20VHXMM04A. COLOUR SELECTED BY ARCHITECT.	2-32 WATT T-8
T	WALL MOUNTED 1200mm FLUORESCENT DIRECT/INDIRECT FIXTURE C/W ALL CONNECTORS, BLANK SECTIONS, ETC. FOR CONTINUOUS INSTALLATION. METALUMEN CAT. #TC77-04-20VHXMM04A. COLOUR SELECTED BY ARCHITECT.	2-32 WATT T-8
U-P-1	WALLCUBE SERIES 300 MOUNTED 4.6M A.F.F. KEENE CAT. #323-150LX C/W WIRE GUARD CAT. #330.	1-150 WATT H.P.S.
V	H.P.S. 'AKTRA II' SERIES AREA LIGHT. WIDELITE CAT. #AKS-70-C. POLE MOUNTED 6M A.F.F. ON A STRESS/CRETE HEXAGONAL 'TEC' CONCRETE POLE CAT. #TEC-25-ALPH-CSA-C/V STYLE 230-B1-S-10 FINISH.	1-70 WATT H.P.S.
W	H.P.S. 'AKTRA II' SERIES AREA LIGHT. WIDELITE CAT. #AKS-400-C. POLE MOUNTED 6M A.F.F. ON A STRESS/CRETE HEXAGONAL 'TEC' CONCRETE POLE CAT. #TEC-25-ALPH-CSA-C/V STYLE 230-B1-S-10 FINISH.	1-400 WATT H.P.S.
X	METAL HALIDE FLOODLIGHT, CROUSE/ HINDS CAT. #HVD4MHPE-VS. POLE MOUNTED 7.6M A.F.F. ON A STRESS/CRETE HEXAGONAL 'TEC' CONCRETE POLE CAT. #TEC-25-ALPH-CSA-C/V STYLE 230-B1-S-10 FINISH (3 FIXTURES PER POLE).	1-400 WATT H.P.
EXIT LIGHTS	LUMACELL EXIBOR 'E' SERIES ELECTRONIC EXIT LIGHT (120V) SUITABLE FOR MOUNTING AS SHOWN ON THE FLOOR PLAN C/W 12 VOLT EMERGENCY BATTERY CONNECTION. HOUSING TO BE OF BRUSHED ALUMINUM AND BE TAMPERPROOF. PROVIDE FLASHING OPTION ON POWER FAILURE AND FIRE ALARM ACTIVATION. PROVIDE ALL NECESSARY CONNECTIONS TO FIRE ALARM SYSTEM.	
EMERG. BATTERIES	LUMACELL 'RGS' SERIES, MEDIUM LIFE, SEALED LEAD, 12 VOLT C/W HEADS AS INDICATED.	
EMERG. LIGHTS (GENERAL)	12 VOLT, 12 WATT, QUARTZ HALOGEN LUMACELL CAT. #RS08 AND RS09.	
EMERG. LIGHTS (ACTIVITY/BANQUET ROOM ONLY)	12 VOLT, 12 WATT, QUARTZ HALOGEN LUMACELL CAT. #M01 AND M02 C/W WIRE GUARD.	
NOTES:	EMERGENCY BATTERIES SHALL BE SIZED TO MAINTAIN CONNECTED LOAD FOR MINIMUM 1/2 HR. ALL FLUORESCENT FIXTURES SHALL HAVE ELECTRONIC BALLASTS.	

YUSKA, MONTGOMERY & ASSOCIATES
MECHANICAL & ELECTRICAL CONSULTING ENGINEERS

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KITCHENER, ONTARIO N2G 2Y5
TELEPHONE (519) 744-7341

PROJECT NO. 91-029

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DATE

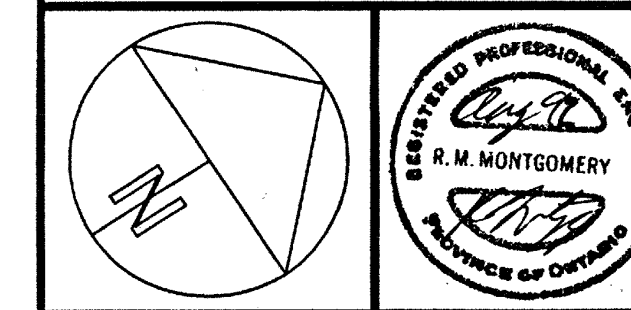
NO.	REVISIONS	DATE & INITIAL
1	ISSUED FOR REVIEW	APRIL/91 (GAS)
2	ISSUED FOR REVIEW	JUNE/91 (GAS)
3	ISSUED FOR TENDER (#92-43)	APRIL/92 (GAS)
4	REVISED FOR TENDER (#92-43)	JULY/92 (GAS)
5	REVISED FOR TENDER (#92-43)	AUG/92 (GAS)

PRINTING DATE

PLOTTING DATE

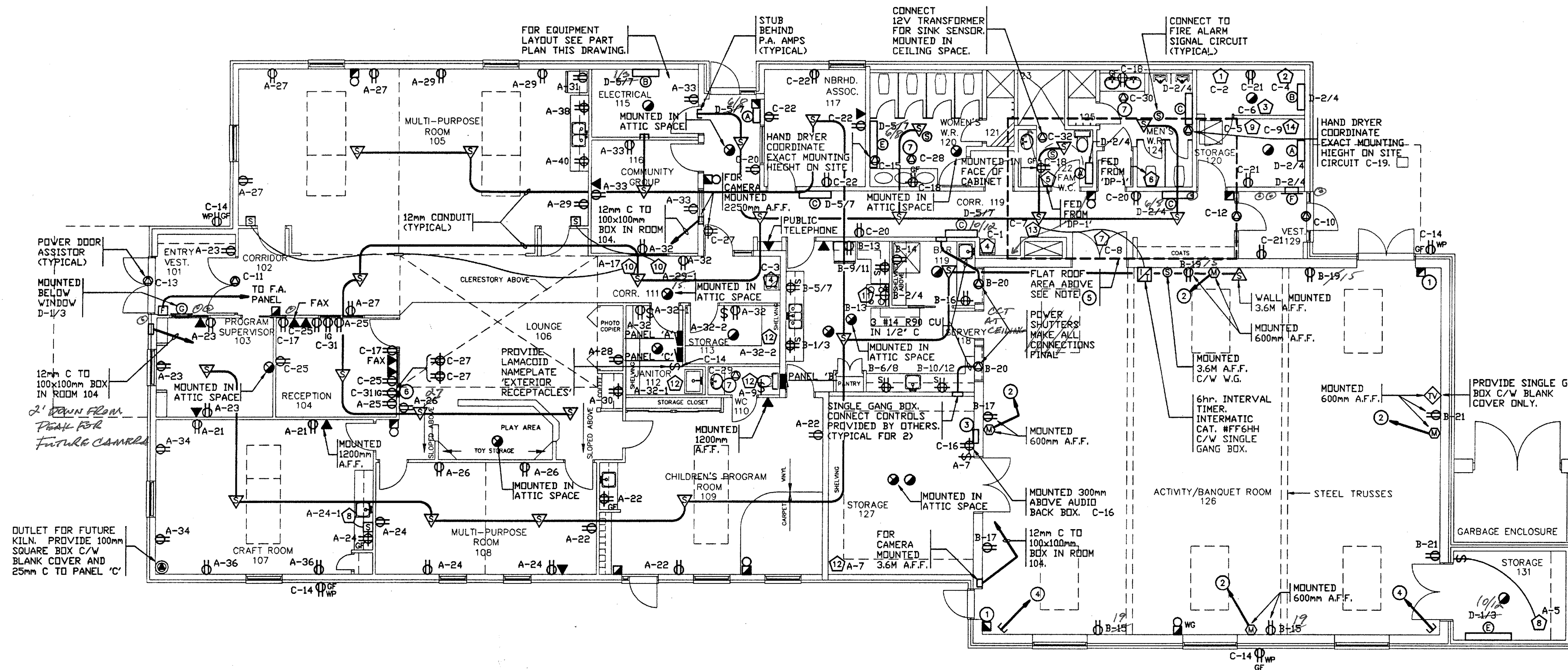
COMP. FILE 91029E2.dwg

LIGHTING LAYOUT - ELECTRICAL



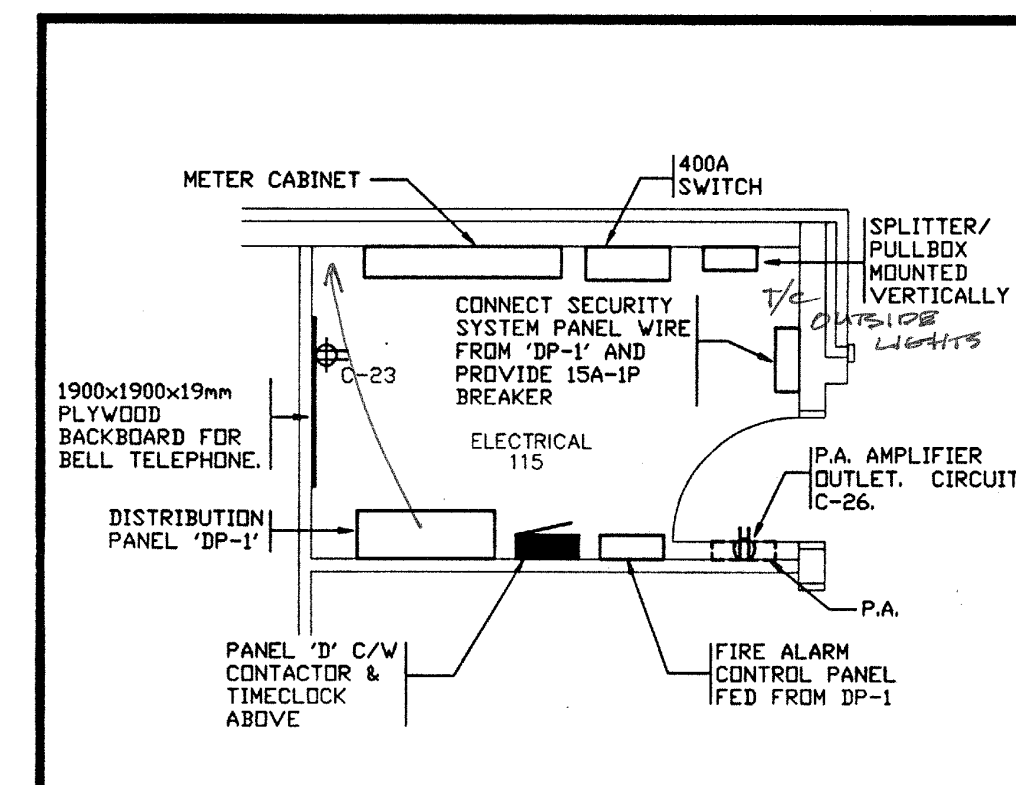
JOB NO.	9081	DRAWN	M.R.
DATE	APRIL 1991	DWG. NO.	E2
SCALE	AS NOTED		

MILL/COURTLAND COMMUNITY CENTRE
MILL & STIRLING
KITCHENER ONTARIO



FLOOR PLAN
SCALE 1:100

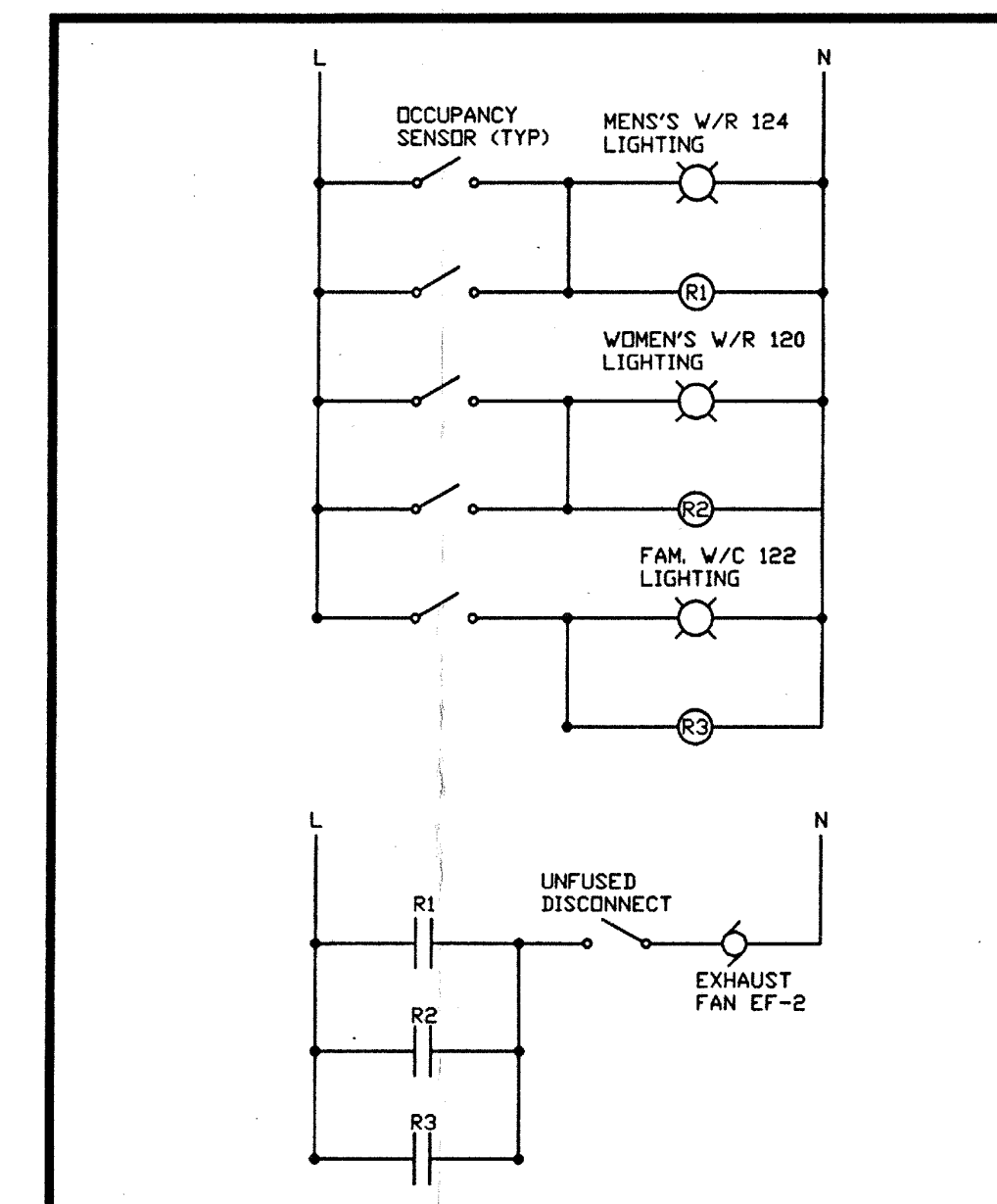
- NOTES:
- ① DEVICES RECESSED IN WALL. SEE DETAIL THIS DRAWING.
 - ② 12mm EMPTY CONDUIT TO AUDIO BACK BOX IN STORAGE ROOM 127. TERMINATE IN FLUSH MOUNTED SINGLE GANG BOX. SEE NOTE ① (TYPICAL FOR 4).
 - ③ PROVIDE AUDIO SYSTEM BACK BOX FLUSH MOUNTED IN WALL. TERMINATE ALL CONDUITS FOR SPEAKERS AND MICROPHONES IN THIS BOX.
 - ④ 20mm EMPTY CONDUIT FOR FUTURE SPEAKER WIRING TO BACK BOX IN STORAGE ROOM 127. TERMINATE CONDUIT IN SINGLE GANG BOX FLUSH MOUNTED IN WALL AT CORNER @ 3.6M A.F.F. & PROVIDE BLANK COVER (TYPICAL FOR 2).
 - ⑤ PROVIDE PYROTEX OR EQUAL HEAT TRACING CABLE ON ROOF AROUND MECHANICAL EQUIPMENT FOR SNOWMELTING. PROVIDE ALL CONTROLS, MOUNTING HARDWARE, ETC. FOR COMPLETE & OPERATIONAL INSTALLATION. LOOP CABLE DOWN RAIN WATER LEADERS (2) @ 1.0M. INSTALL TO MANUFACTURER'S RECOMMENDATIONS. CONNECT TO PANEL 'C' AND PROVIDE BREAKERS AS REQUIRED.
 - ⑥ 100x100mm BOX MOUNTED IN WALL ABOVE COUNTER FOR VIDEO SURVEILLANCE. TERMINATE 12mm CONDUITS FOR CAMERAS AT THIS LOCATION.
 - ⑦ CONNECT 12V TRANSFORMER FOR SINK SENSOR. MOUNTED IN CEILING SPACE. (PROVIDE SEPARATE PRICE)



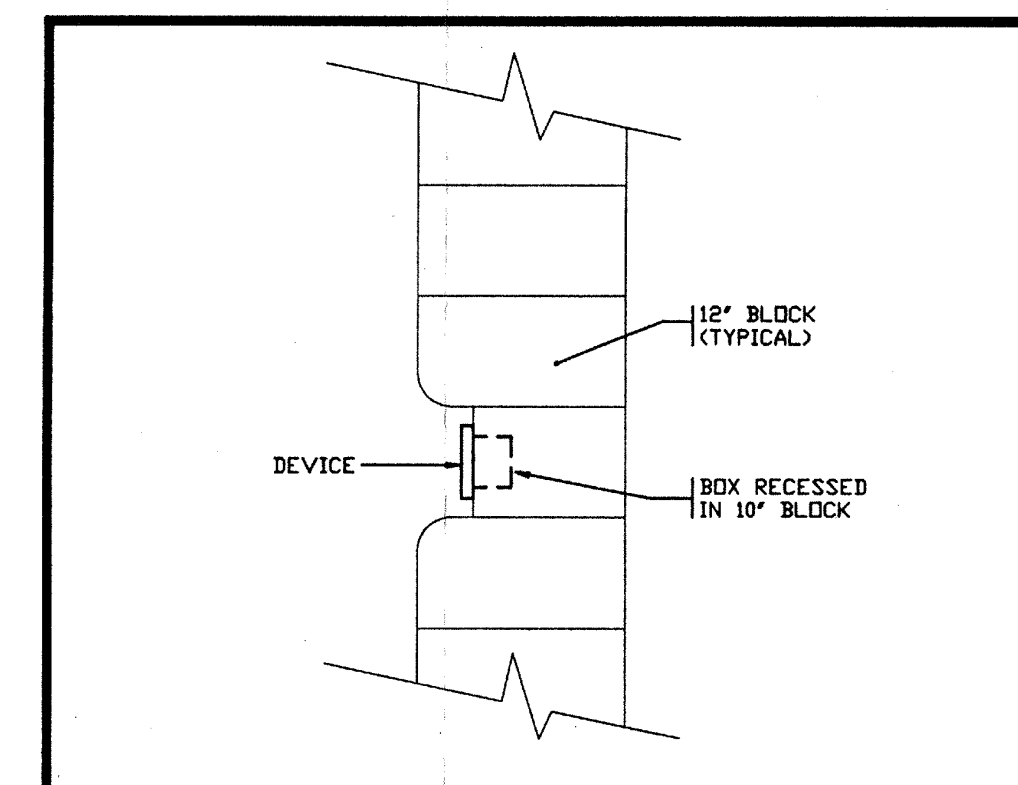
ELECTRICAL ROOM PART PLAN
SCALE 1:50

ELECTRICAL HEATER SCHEDULE

TYPE	DESCRIPTION
A	CHROMALOX CAT. #BL-2805, 500 WATT, 208 VOLT SINGLE PHASE BASEBOARD HEATER C/W BUILT-IN THERMOSTAT.
B	CHROMALOX CAT. #BL-3907, 750 WATT, 208 VOLT SINGLE PHASE BASEBOARD HEATER C/W BUILT-IN THERMOSTAT.
C	CHROMALOX CAT. #BL-4810, 1000 WATT, 208 VOLT SINGLE PHASE BASEBOARD HEATER C/W BUILT-IN THERMOSTAT.
E	CHROMALOX CAT. #BL-6615, 1500 WATT, 208 VOLT SINGLE PHASE BASEBOARD HEATER C/W BUILT-IN THERMOSTAT.
F	CHROMALOX CAT. #RFT-815C, 1000 WATT, 208 VOLT SINGLE PHASE RECESSED FAN FORCED HEATER C/W BUILT-IN THERMOSTAT.
G	CHROMALOX CAT. #RFT-820C, 1500 WATT, 208 VOLT SINGLE PHASE RECESSED FAN FORCED HEATER C/W BUILT-IN THERMOSTAT.



WASHROOM LTG./FAN SCHEMATIC DIAGRAM
N.T.S.



ACTIVITY BANQUET ROOM DEVICE MTG. DETAIL
N.T.S.

YUSKA, MONTGOMERY & ASSOCIATES
MECHANICAL & ELECTRICAL
CONSULTING ENGINEERS

509 MILL STREET,
KITCHENER, ONTARIO N2G 2Y5
TELEPHONE (519) 744-7341

PROJECT NO. 91-029

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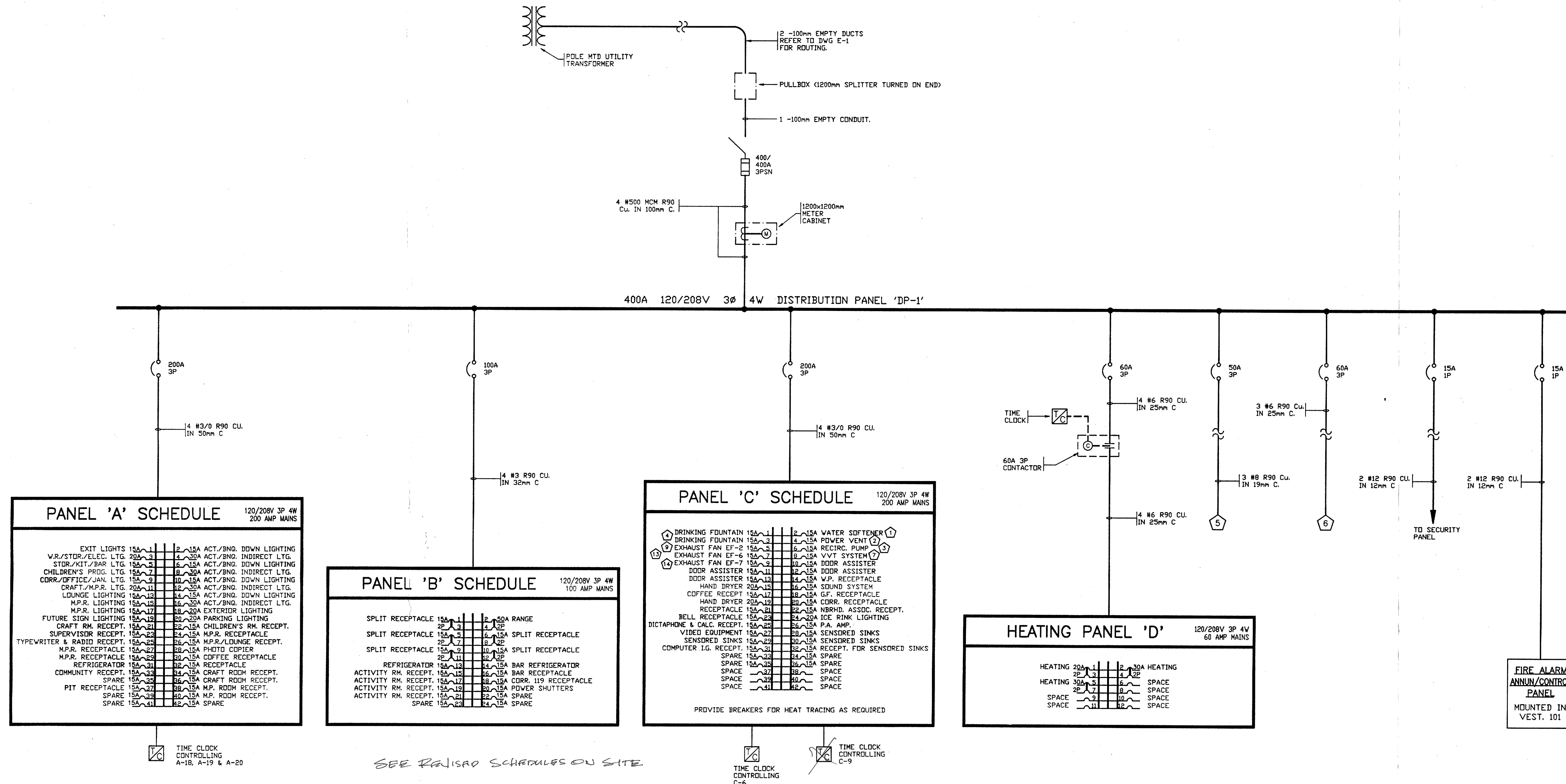
POWER LAYOUT - ELECTRICAL

	JOB NO.	9081	DRAWN	M.R.
	DATE	APRIL 1991	DWG.	E3
	SCALE	AS NOTED	NO	

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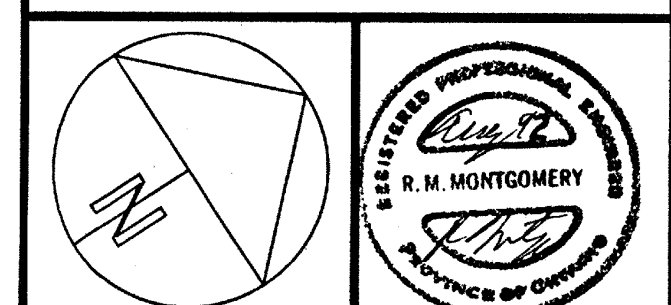
SEE REVISION SCHEDULES ON SITE

DISTRIBUTION RISER DIAGRAM
N.T.S.

EQUIPMENT WIRING SCHEDULE										E-BY ELECTRICAL M-BY MECHANICAL C-BY CIVIL
DESCRIPTION	CHARACTERISTICS	STARTER				REMOTE CONTROL				REMARKS
ITEM NUMBER	ITEM	LOCATION	H.P./KW/AMPS	VOLTAGE	PHASE	INTERLOCKED BY	INTERLOCKED BY	INTERLOCKED BY	INTERLOCKED BY	
1	WATER SOFTENER	MECH ROOM	FHP	120	1					PROVIDE RECEPTACLE
2	POWER VENT	MECH ROOM	FHP	120	1					
3	RECIRC PUMP	MECH ROOM	1/2 HP	120	1					
4	DRINKING FOUNTAINS	CORR.	FHP	120	1					
5	HVAC No.1	ROOF	45.4 MCA	208	3					
6	HVAC No.2	ROOF	33.8 MCA	208	3					
7	VVT SYSTEM	FHP	120	1						
8	EXHAUST FAN EF-1	FHP	120	1						PROVIDE CONTROL AS INDICATED
9	EXHAUST FAN EF-2		260 KW	120	1					
10	EXHAUST FAN EF-3	FHP	120	1						
11	EXHAUST FAN EF-4	FHP	120	1						
12	EXHAUST FAN EF-5	FHP	120	1						
13	EXHAUST FAN EF-6	1/B HP	120	1						
14	EXHAUST FAN EF-7	FHP	120	1						

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PLOTING DATE
COMP. FILE 91029E3.dwg

DISTRIBUTION
RISER DIAGRAM -
ELECTRICAL



JOB NO. 9081 DRAWN M.R.
DATE APRIL 1991 DWG. NO. E4
SCALE AS NOTED

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