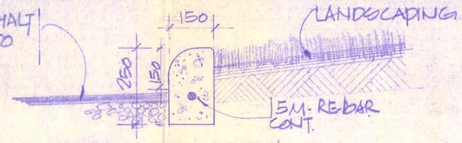
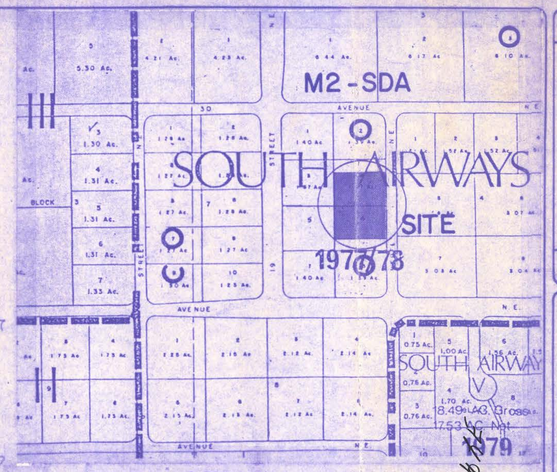
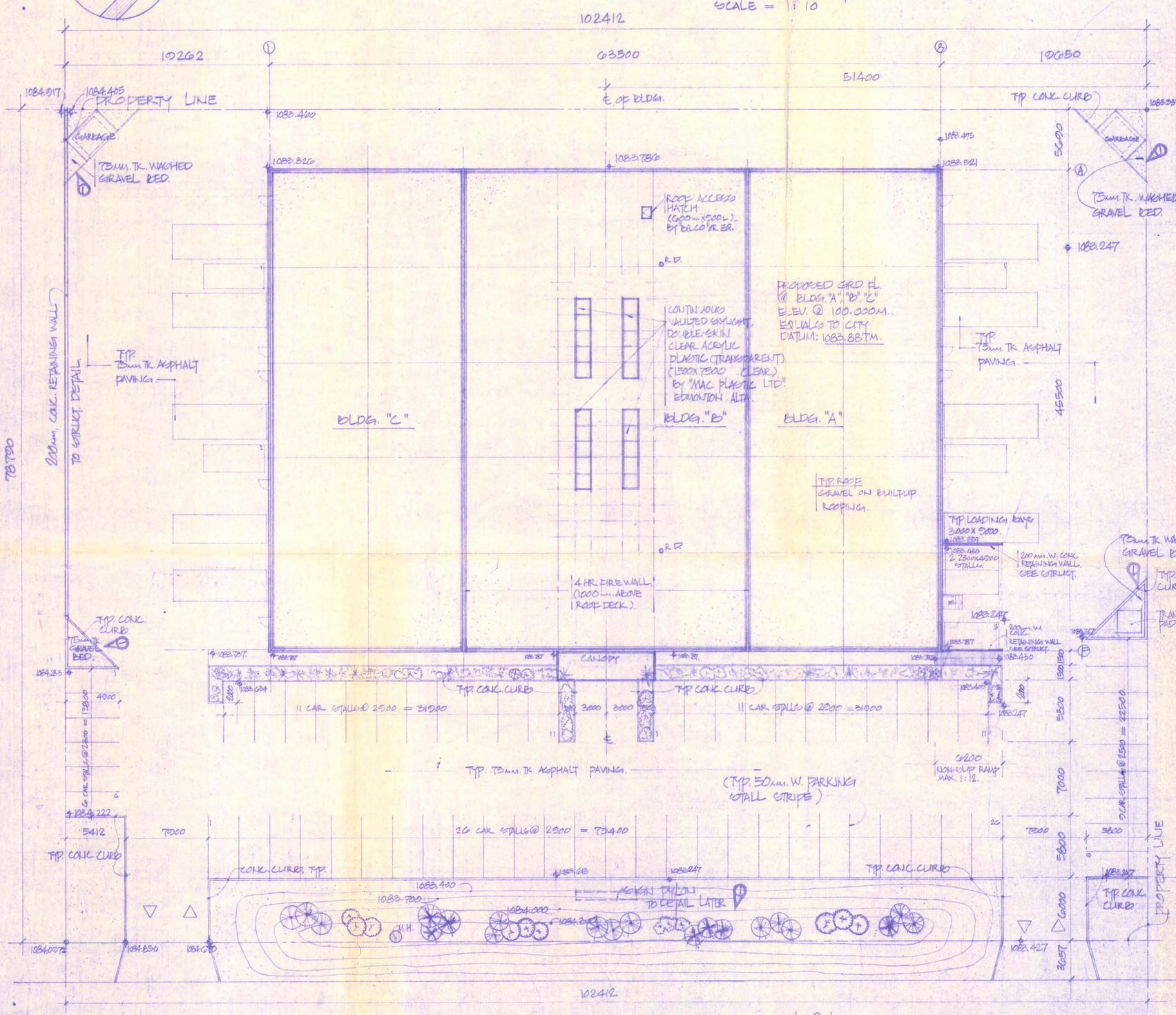
NORTH

NOTE
REFER M-1 FOR FULL SITE ELEVATIONS.




CONC. CURB DETAIL
SCALE = 1:10




SITE PLAN (ROOF PLAN)
SCALE = 1:200

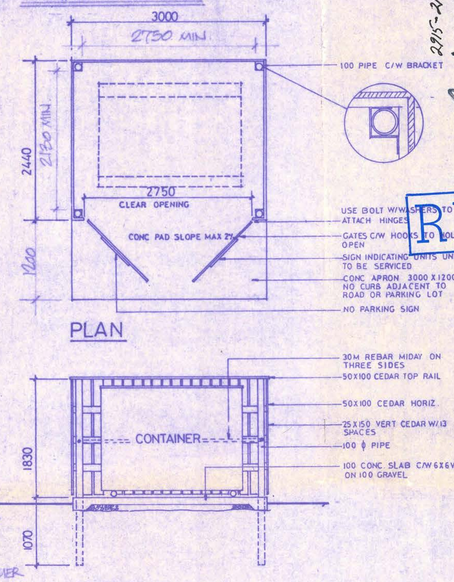
21 ST. STREET N.E.

DRWG. NO. WHERE REFERENCE MARK IS SHOWN

DRWG. NO. WHERE DETAILS SECTIONS ARE DRAWN

WALL SECTION DETAIL

LAND USE




PLAN




SECTION

SITE DETAILS

Lot 4 & 6 Block 6 Plan 7810077
Municipal Address 2015 - 21 ST. ST. N.E.
CALGARY, ALBERTA
Zoning M2 (SDA) / I2
Parking: Req'd 62 Provided 70
Landscaping: Req'd 6M. WIDE STRIP M²
Provided DITTO M²
Bldg. Area (at grade): 2205.25 M²
Net Area: SITE AREA: 8060.04 M²
Gross Area: 4117.5 M²

Building Classification Details
Group BLDG. A E2 | B E2 | C E2 Storeys BLDG. A 1 | B 2 | C 1
Facing ONE streets.
Area: Provided BLDG. A 810 M² | B 1284.50 | C 810 M²
Permitted BLDG. A 1620 M² | B 1620 M² | C 1620 M²
Sprinklered: Yes BLDG. B. No BLDG. A & C.

Fire Separation Requirements:
Basement N/A.
Floors N/A.
Roof N/A.
Supporting Structure N/A.
Other N/A.
Combustible YES Non-Combustible

LANDSCAPE LEGEND

COL. SPRUCE (MIN. 100mm CALIPER X 3M HT.)
N.W. POPLAR (MIN. 100 mm CALIPER X 8 M)
JUNIPERS
GRASS AND SHRUBS
GRAVEL

REVISED PLANS !
THESE PLANS REFER TO DEVELOPMENT PERMIT No. 81/1451
Dec 18/80
DATE
Barry Downes
DEVELOPMENT OFFICER

REVISED
DEC 8/80

2015-21 St. S.E.

the hasegawa fowler jetha platon partnership
architects and engineers calgary, alta.

REVISIONS

ISSUED
DEC 4 1980
HASEGAWA FOWLER JETHA PLATON PARTNERSHIP

THE ASSOCIATION OF ARCHITECTS
PERMIT NUMBER P 2305
The Hasegawa, Fowler, Jetha - Platon Partnership

COMMERCIAL/INDUSTRIAL DEVELOPMENT FOR DEER CO NO. 2 CALGARY ALBERTA

SITE/ROOF PLAN

file no. 80-583
date AUG 80
scale 1:200
drawn KG

A1 OF 13

REVISED

NOTE
REFER M-1 FOR FULL SITE ELEVATIONS.

NORTH

75MM. TK. ASPHALT PAVING LAID TO SLOPE.

150

LANDSCAPING

250

5M. REBAR CONT.

CONC. CURB DETAIL
SCALE = 1:10

102412

10262 | 63500 | 51400 | 10650

1084.917 | 1084.405 PROPERTY LINE | 1083.400 | 1083.826 | 1083.786 | 1083.475 | 1083.321 | 1083.938T

℄ OF BLDG.

TYP. CONC. CURB

GARBAGE

75MM. TK. WASHED GRAVEL BED.

5690

1083.247

ROOF ACCESS HATCH (1000W. X 2000L.) BY BILCO "R" ER.

R.D.

CONTIN. DOUBLE SKYLIGHT, DOUBLE-SKIN CLEAR ACRYLIC PLASTIC (TRANSPARENT) (1500X7500 CLEAR) BY "MAC PLASTIC LTD" EDMONTON, ALTA.

PROPOSED GRD. EL. @ BLDG "A", "B", "C" ELEV. @ 100.000M. EQUALS TO CITY DATUM: 1083.887M.

BLDG. "C"

BLDG. "B"

BLDG. "A"

TYP. 75mm. TK. ASPHALT PAVING.

TYP. ROOF GRAVEL ON BUILT-UP ROOFING.

4 HR. FIRE WALL (1000 mm. ABOVE ROOF DECK).

200mm. CONC. RETAINING WALL TO STRUCT. DETAIL

TYP. 75mm. TK. ASPHALT PAVING.

TYP. LOADING RAMP 3000 X 5000.

1083.480 2 2300X4300 STALLS

200mm. W. CONC. RETAINING WALL. SEE STRUCT.

1083.247

1083.257

1083.430

1083.407

1083.387

1083.384

CANOPY

TYP. CONC. CURBS

11 CAR. STALLS @ 2800 = 30800

3000 3000

11 CAR. STALLS @ 2800 = 30800

6200 NON-SLIP RAMP MAX. 1:12.

TYP. 75mm. TK. ASPHALT PAVING.

(TYP. 50mm. W. PARKING STALL STRIPE)

1520 1520 5800 7000 5800 6000 3057

26 CAR. STALLS @ 2800 = 73400

7000

5412

4900

12800

1084.222

1084.007

1084.850

1084.670

1083.400

1083.700

1084.000

1084.300

1083.427

1083.247

CONC. CURBS, TYP.

MAIN PYLON TO DETAIL LATER

M.H.

TYP. CONC. CURB

PROPERTY LINE

102412

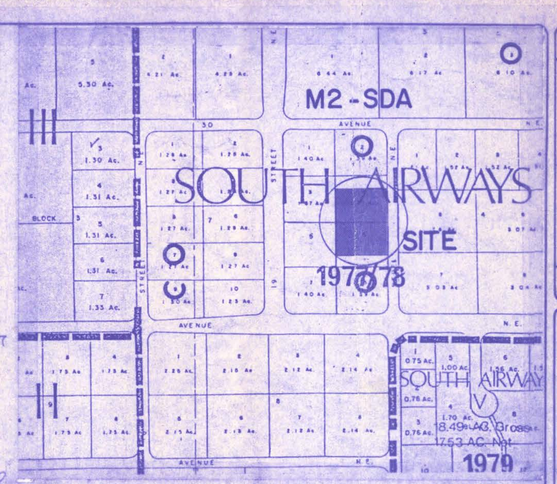
SITE PLAN (ROOF PLAN)
SCALE = 1:200

21 ST. STREET N.E.

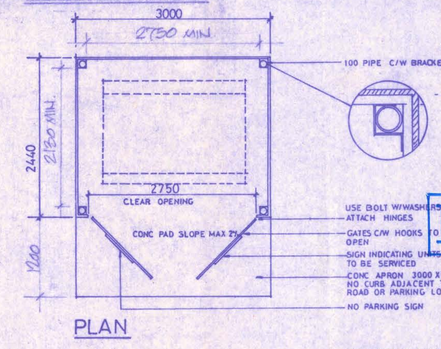
DRWG. NO. WHERE REFERENCE MARK IS SHOWN

"A" WALL SECTION, DETAIL

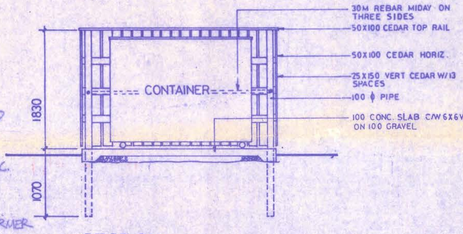
DRWG. NO. WHERE DETAILS SECTIONS ARE DRAWN.




LAND USE




PLAN




SECTION

SITE DETAILS

Lot 4 & Co Block 6 Plan 7810077
Municipal Address 2015 - 21 ST. ST. N.E. CALGARY, ALBERTA
Zoning M2 (SDA) / I2
Parking: Req'd 62 Provided 70
Landscaping: Req'd 6M. WIDE STRIP M²
Provided DITTO M²
Bldg. Area (at grade): 2880.25 M²
Net Area: SITE AREA: 8060.04 M²
Gross Area: 4117.5 M²

Building Classification Details
Group BLDGS. A | B | C — Storeys BLDGS. A | B | C
Facing ONE streets.
Area: Provided BLDG. A 810 m² | B 1278 m² | C 1815 m²
Permitted BLDG. A 1000 m² | B 1100 m² | C 1850 m²
Sprinklered: Yes BLDGS. B, C No BLDG. A

Fire Separation Requirements:
Basement N/A.
Floors N/A.
Roof N/A.
Supporting Structure N/A.
Other N/A.
Combustible YES Non-Combustible

LANDSCAPE LEGEND

- COL. SPRUCE (MIN. 100mm CALIPER X 3M HT.)
- N.W. POPLAR (MIN. 100mm CALIPER X 8M HT.)
- JUNIPERS
- GRASS AND SHRUBS
- GRASS

REVISED PLANS
THESE PLANS REFER TO DEVELOPMENT PERMIT No. 80/1451
Dec 18/80 DATE
DEVELOPMENT OFFICER

FILE COPY

D.P. 80/1451

REVISED
DEC 8/80

ISSUED
DEC 4 1980
HASEGAWA FOWLER JETHA PLATON PARTNERSHIP

the hasegawa fowler jetha platon partnership
architects and engineers calgary, alta.

revisions

THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF ALBERTA
PERMIT NUMBER P 2534
The Hasegawa - Fowler - Jetha - Platon Partnership

COMMERCIAL/INDUSTRIAL DEVELOPMENT FOR DEER CO NO. 2 ALBERTA CALGARY

SITE/ROOF PLAN

file no. 7835 | date AUG 80 | scale 1:200 | drawn KG

A1 OF 13

FILE COPY

B5805/80

NOTE
REFER M-1 FOR FULL SITE ELEVATIONS.

NORTH

75MM. TK. ASPHALT PAVING LAID TO SLOPE.

CONC. CURB DETAIL
SCALE = 1:10

80/1451
REVISED
22.9.80.

102412
10262
63500
51400
10650

PROPERTY LINE
1085.015
1084.405
1083.400
1083.826
1083.780
1083.321
E. OF BLDG.
TYP. CONC. CURB
GARBAGE
75MM. TK. WASHED GRAVEL BED
5000
4500

ROOF ACCESS HATCH (600W. X 900L.) BY BILCO "R" ER.
R.D.
CONTIN. JOINT VAULTED SKYLIGHT, DOUBLE-SKIN CLEAR ACRYLIC PLASTIC (TRANSPARENT) (1500 X 7500 CLEAR) BY "MAC PLASTIC LTD" EDMONTON, ALTA.
PROPOSED GRD. EL. @ BLDG. "A", "B", "C" ELEV. @ 100.000M. EQUALS TO CITY DATUM: 1083.88TM.
BLDG. "C"
BLDG. "B"
BLDG. "A"
TYP. 75mm. TK. ASPHALT PAVING.
TYP. ROOF GRAVEL ON BUILT-UP ROOFING.
4 HR. FIRE WALL (1000 mm. ABOVE ROOF DECK).
TYP. LOADING RAMP 3000 X 9000.
1083.851
1083.680
2 2200X4200 STALLS
200mm. W. CONC. RETAINING WALL. SEE STRUCT.
200mm. W. CONC. RETAINING WALL SEE STRUCT.
1083.787
1083.125
1082.275
1082.150
5820
7000
6200
NON-SLIP RAMP MAX. 1:12
TYP. CONC. CURB
TRANS/PORTER PAD
TYP. 75mm. TK. WASHED GRAVEL BED
22500
PROPERTY LINE

200mm. CONC. RETAINING WALL TO STRUCT. DETAIL.
TYP. 75mm. TK. ASPHALT PAVING.
TB 1700
1084.515
1084.428
1084.342
1084.152
1084.005
5412
7000
4900
11 CAR STALLS @ 2800 = 30800
11 CAR STALLS @ 2800 = 30800
CANOPY
3000
3000
1500
1200
TYP. 75mm. TK. ASPHALT PAVING.
(TYP. 50mm. W. PARKING STALL STRIPE)
26 CAR STALLS @ 2800 = 72800
5800
6000
30.5ST
TYP. CONC. CURB
CONC. CURB, TYP.
1083.400
1083.700
1084.000
1084.200
1083.693
1083.125
M.H.
SIGN PYLON TO DETAIL LATER
TYP. CONC. CURB
PROPERTY LINE

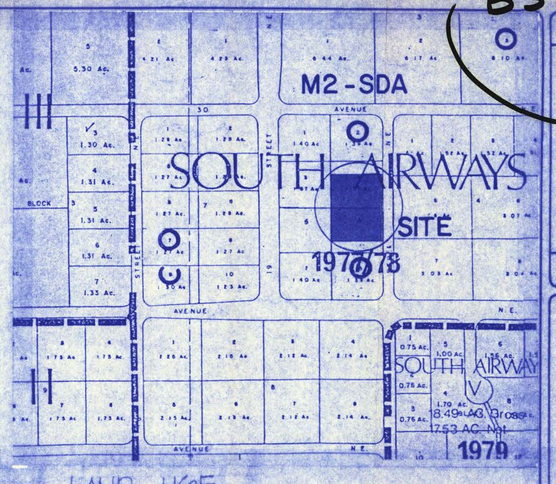
CITY OF CALGARY PLANNING DEPARTMENT
THESE ARE THE PLANS REFERRED TO IN DEVELOPMENT PERMIT NO. 80/1451
ISSUED Sept. 18/80
WHICH ARE APPROVED SUBJECT TO THE A TERATIONS IF ANY, SHOWN HEREON IN RED OR AS OTHERWISE NOTED IN THE DEVELOPMENT PERMIT.
DEVELOPMENT OFFICER

SITE PLAN (ROOF PLAN)
SCALE = 1:200

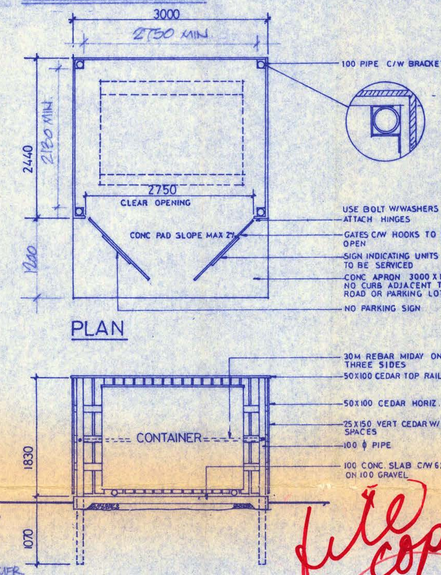
2 1 ST. STREET N.E.

DRWG. NO. WHERE REFERENCE MARK IS SHOWN

DRWG. NO. WHERE DETAILS & SECTIONS ARE DRAWN.




LAND USE




PLAN




SECTION

SITE DETAILS

Lot 4 to 6 Block 6 Plan 7810077
Municipal Address 2 ST. N.E.
CALGARY, ALBERTA
Zoning M2(SDA)/I2
Parking: Req'd 62 Provided 70
Landscaping: Req'd COM. WIDE STRIP M²
Provided DITTO M²
Bldg. Area (at grade): 2287.25 M²
~~Net Area:~~ SITE AREA: 8060.04 M²
Gross Area: 4117.5 M²

Building Classification Details
Group BLDG. A B C BLDG. A 1 2 F
F2 D F3 Storeys
Facing ONE streets.
Area: Provided BLDG. A 810 M² B 1234.50 C 810 M²
Permitted BLDG. A 1200 M² B 1200 M² C 1200 M²
Sprinklered: Yes BLDG. B2 No BLDG. A & C

Fire Separation Requirements:
Basement N/A.
Floors N/A.
Roof N/A.
Supporting Structure N/A.
Other N/A.
Combustible YES Non-Combustible

WALL SECTION, DETAIL A2/A4

LANDSCAPE LEGEND

COL. SPRUCE (MIN. 100mm CALIPER X 3M HT.)
N.W. POPLAR (MIN. 100 mm CALIPER X 3M)
JUNIPERS
GRASS AND SHRUBS
GRASS

file copy

ISSUED
SEP 22 1980
HASEGAWA ENGINEERING LTD.

the hasegawa fowler jetha platon partnership
architects and engineers calgary, alta.

THE ASSOCIATION OF PROFESSIONAL ENGINEERS AND GEOPHYSICISTS OF ALBERTA
PERMIT NUMBER P 2834
Tra Hasegawa, Fowler, Jetha, Platon Partnership

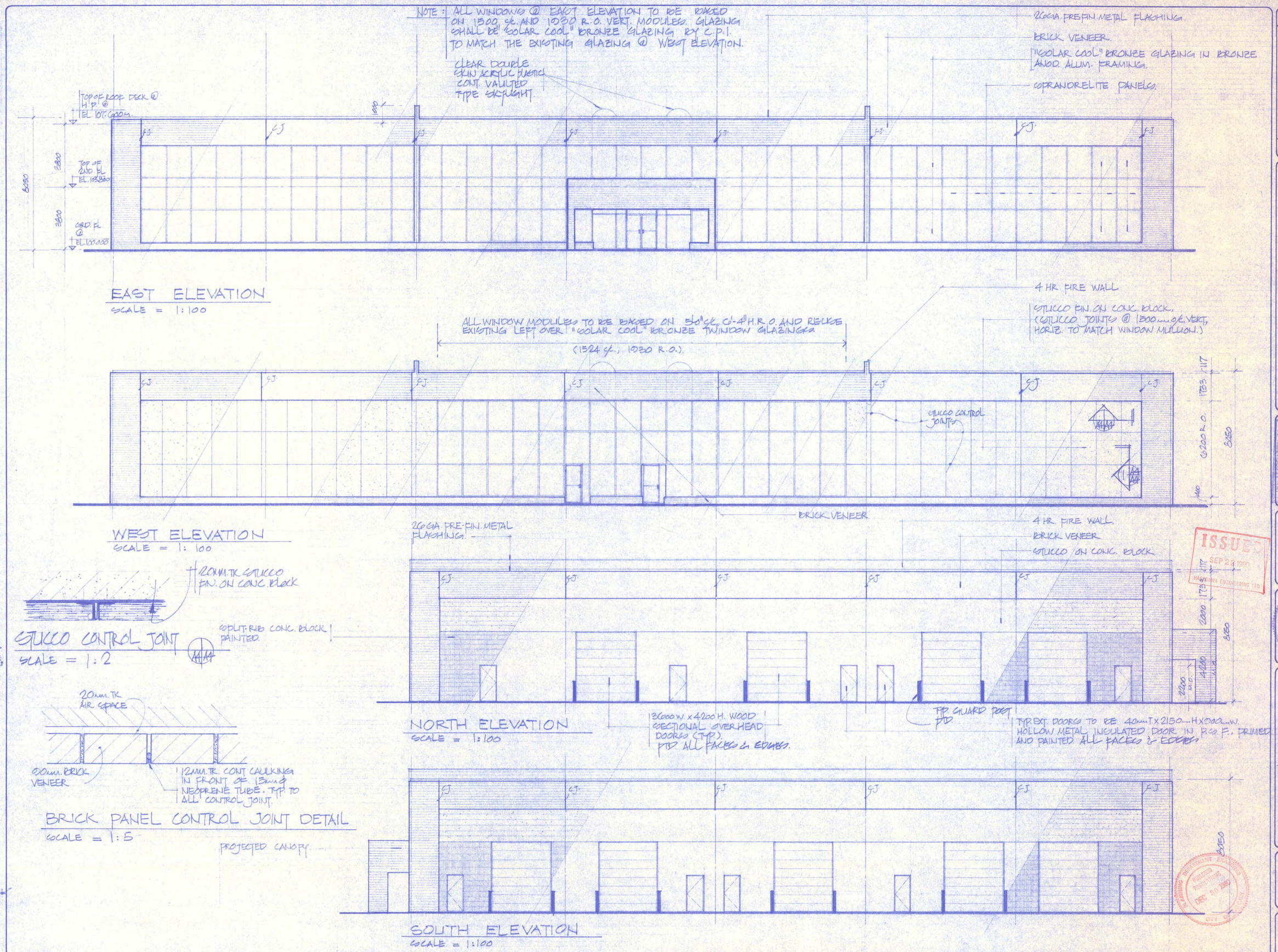
NICHOLAS FOWLER REGISTERED ARCHITECT ALBERTA

COMMERCIAL/INDUSTRIAL DEVELOPMENT FOR DEERCO NO. 2 CALGARY ALBERTA

SITE/ROOF PLAN

file no. 80-283
date AUG. 80
scale 1:200
drawn KG

A1 OF 13




ISSUED SEP 22 1980 HASEGAWA ENGINEERING LTD

the hasegawa fowler jetha platon partnership
architects and engineers calgary, alta.

revisions

THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF ALBERTA
PERMIT NUMBER P 2584
The Hasegawa - Fowler - Jetha - Platon Partnership

MICHAEL J. FOWLER

COMMERCIAL/INDUSTRIAL DEVELOPMENT FOR DEERCO NO. 2 ALBERTA CALGARY

ELEVATIONS

file no. 79585
date AUG. 80
scale 1:100
drawn KS

A4

NOTE: ALL WINDOWS @ EAST ELEVATION TO BE BASED ON 1500 c/c AND 1020 R.O. VERT. MODULES. GLAZING SHALL BE "SOLAR COOL" BRONZE GLAZING BY C.P.I. TO MATCH THE EXISTING GLAZING @ WEST ELEVATION.

CLEAR DOUBLE SKIN ACRYLIC PLASTIC CONT. VAULTED TYPE SKYLIGHT.

26GA. PREFIN METAL FLASHING.
BRICK VENEER.
"SOLAR COOL" BRONZE GLAZING IN BRONZE ANOD. ALUM. FRAMING.
COPRANORELITE PANELS.

TOP OF ROOF DECK @ H.P. @ EL. 107.000m.
TOP OF 2ND. FL. EL. 103.830
2ND. FL. @ EL. 100.000
GRD. FL. @ EL. 100.000
3830
3830
3830
600
CJ
NON-SLIP RAMP

## EAST ELEVATION
SCALE = 1:100

ALL WINDOW MODULES TO BE BASED ON 510"c/c, 0'-4" H.R.O. AND RE-USE EXISTING LEFT OVER "SOLAR COOL" BRONZE TWINDOW GLAZINGS.
(1524 c/c., 1020 R.O.).

4 HR. FIRE WALL
STUCCO FIN. ON CONC. BLOCK.
(STUCCO JOINTS @ 1500mm. c/c. VERT, HORIZ. TO MATCH WINDOW MULLION.)

STUCCO CONTROL JOINT
BRICK VENEER.
4 HR. FIRE WALL
BRICK VENEER
STUCCO ON CONC. BLOCK
26GA PRE-FIN METAL FLASHING.
SPLIT-RIB CONC. BLOCK PAINTED.
PROJECTED CANOPY.
200mm TK CONC. RETAINING WALL
6300 R.O.
1733
2100
4000 MIN
2300
1117
8350
4300

## WEST ELEVATION
SCALE = 1:100

20mm. TK STUCCO FIN. ON CONC. BLOCK

## STUCCO CONTROL JOINT
SCALE = 1:2

20mm. TK AIR SPACE
100mm. BRICK VENEER
12MM. TK. CONT CAULKING IN FRONT OF 13mm ø NEOPRENE TUBE. TYP TO ALL CONTROL JOINT.

## BRICK PANEL CONTROL JOINT DETAIL
SCALE = 1:5

## NORTH ELEVATION
SCALE = 1:100

3600mm W. x 4200 H. WOOD SECTIONAL OVERHEAD DOORS (TYP.). PTD. ALL FACES & EDGES.

TYP GUARD POST PTD

TYP EXT. DOORS TO BE 40mm T. x 2150mm H x 900mm W. HOLLOW METAL INSULATED DOOR IN R.O. F. PRIMED AND PAINTED. ALL FACES & EDGES.

REVISED PLANS 1
THESE PLANS REFER TO DEVELOPMENT PERMIT NO. 8145
DATE Dec 18/80
DEVELOPMENT OFFICER

## SOUTH ELEVATION
SCALE = 1:100

3150

ISSUED
DEC 4 1980
HASEGAWA FOWLER JETHA PLATON PARTNERSHIP

THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF ALBERTA
PERMIT HOLDER
P 2504
The Hasegawa - Fowler - Jetha - Platon Partnership

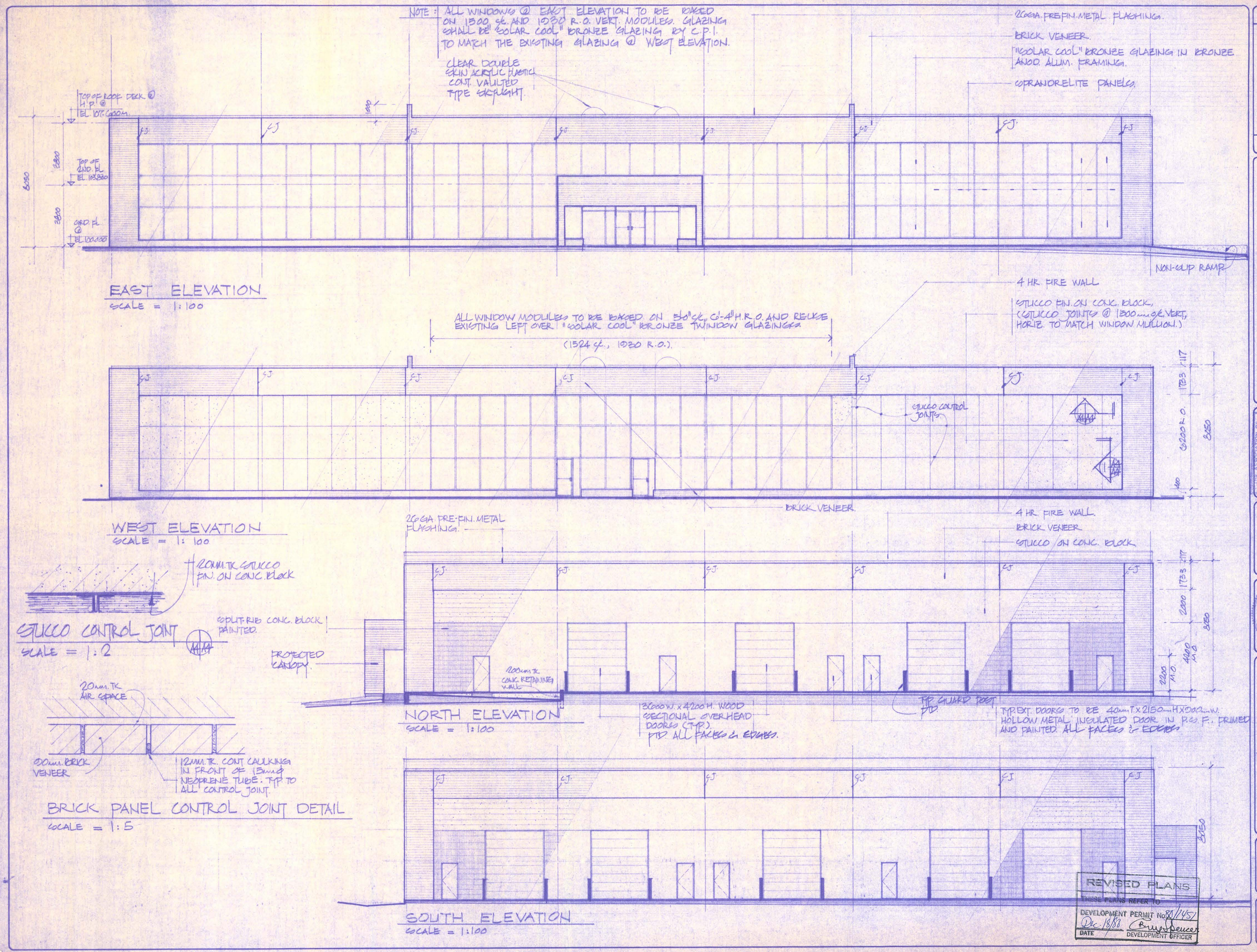
the hasegawa fowler jetha platon partnership
architects and engineers calgary, alta.

revisions

COMMERCIAL/INDUSTRIAL DEVELOPMENT FOR DEERCO CALGARY
ELEVATIONS

file no. 7835
date Aug 80
scale 1:100
drawn KSS

A4




revisions

the hasegawa fowler jetha platon partnership
architects and engineers calgary, alta.

THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF ALBERTA
PERMIT NUMBER P 2584
The Hasegawa - Fowler - Jetha - Platon Partnership

ISSUED
DEC 4 1980
HASEGAWA FOWLER JETHA PLATON PARTNERSHIP

MICHAEL J. FOWLER REGISTERED ARCHITECT ALBERTA

COMMERCIAL/INDUSTRIAL DEVELOPMENT FOR DEERCO NO. 2 CALGARY ALBERTA

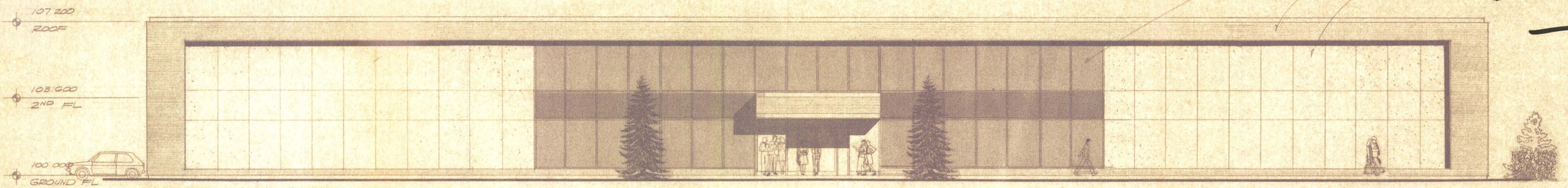
ELEVATIONS

file no. 79-585
date AUG. 80
scale 1:100
drawn KSG

A4

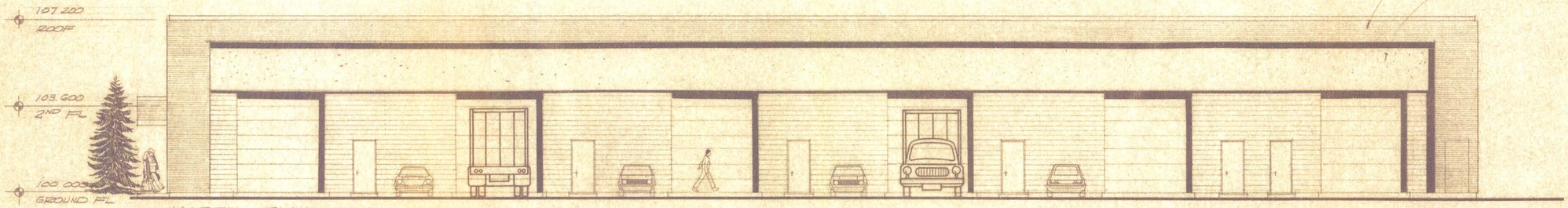
B5805/80

SOLAR REFLECTED GLAZING IN BRONZE ANOD ALUM. FRAME
BRICK VENEER
STUCCO

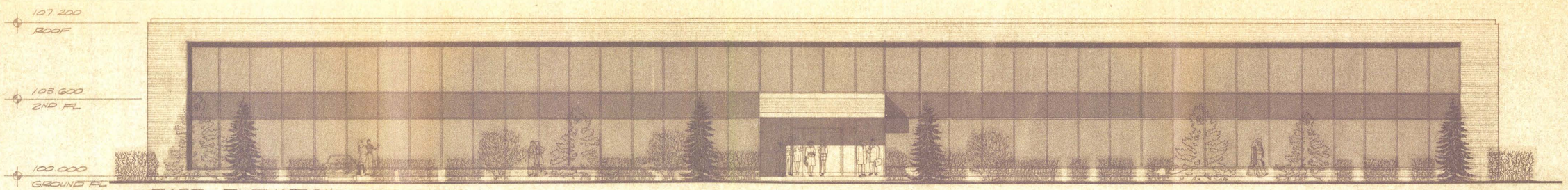



WEST ELEVATION
SCALE 1 : 100

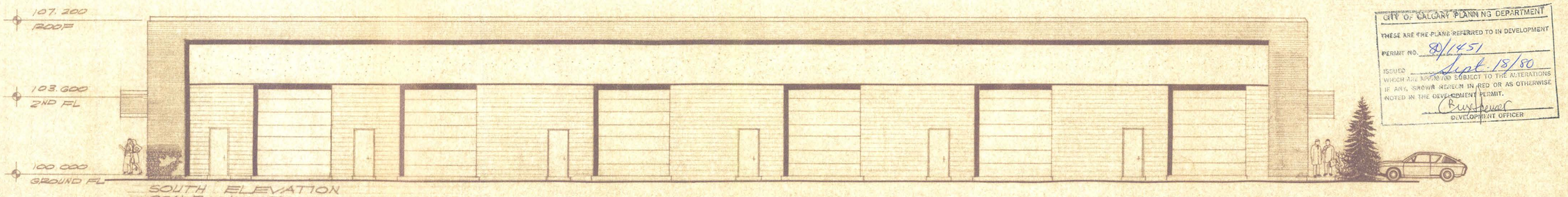
BRICK VENEER
STUCCO




NORTH ELEVATION
SCALE 1 : 100




EAST ELEVATION
SCALE 1 : 100




SOUTH ELEVATION
SCALE 1 : 100

CITY OF CALGARY PLANNING DEPARTMENT
THESE ARE THE PLANS REFERRED TO IN DEVELOPMENT
PERMIT NO. 80/1451
ISSUED Sept. 15/80
WHICH ARE NOW/XXX SUBJECT TO THE ALTERATIONS IF ANY, SHOWN HEREON IN RED OR AS OTHERWISE NOTED IN THE DEVELOPMENT PERMIT.
DEVELOPMENT OFFICER

revisions

the hasegawa fowler jetha platon partnership
architects and engineers
calgary, alta.

ISSUED
AUG 18 1980
HASEGAWA ENGINEERING LTD.

COMMERCIAL/INDUSTRIAL DEVELOPMENT for DEERCO 2
CALGARY ALBERTA

Elevations

file no. 79/585
date JUNE 80
scale 1:100
drawn

A3

NOTE:
IRRIGATION SYSTEM PROVIDE 100% COVERAGE PIPING TO BE CONTAINED WITHIN PROPERTY LINE. SHOP DRAWING REQUIRED PRIOR TO INSTALLATION.

EXIST. STORM DUCT INVERT = 1078.961 (3504.34')I
NEW INVERT CONN. = 1080.592 (3509.68')I

EXIST. 1.829 x 1.829 m STORM DUCT

EXIST. 450 mm SAN.

EXIST. 200mm YD.I. WATER.

21 ST. STREET N.E.

915mm

GATE VALVE.

200 mm STORM @ EL 1082.826 (3522.04')

600mm WATER SERVICE BY CITY @ DEVELOPERS EXPENCE.

NEW 200mm WATER SERVICE FOR SPRINKLER TREE & WATER METER.

EXIST. SANITARY MANHOLE.
RIM ELEV. = 1083.710 (3519.92'I).
U. INV. = 1079.050 (3505.29'I).
S. INV. = 1078.788 (3504.44'I).
W. INV. = 1078.512 (3503.54'I).

EXIST. HYDRANT.

EXIST. 450mm Y.D.I WATER.

POND AREA = 74.2 m³
272 E m²

70mm PVC. RUN IN 150mm ø HELICAL CULVERT (BY PLUMBING CONTRACTOR) FOR LAWN SPRINKLER SYSTEM BY LAWN SPRINKLER CONTRACTOR.

250mm STORM @ 1% SLOPE 0.052 m³/SEC (80m).

NEW SLOTTED TOP MANHOLE TO CITY OF CALGARY STANDARDS.
RIM ELEV. = 1083.857 (3521.12')
S. INV. = 1080.998 (3511.02')
E. INV. = 1080.737 (3510.82')

NEW SAN TEST MANHOLE TO CITY OF CALGARY STANDARDS.
RIM ELEV. = 1083.930 (3522.64')
E. INV. = 1079.633 (3510.54').
W. INV. = 1079.783 (3510.04').

250mm STORM @ 5% SLOPE (80m)

150 mm SAN. INV = 1080.056 (3507.98')

CATCH BASIN TO CITY OF CALGARY STANDARDS.
RIM ELEV. = 1083.430 (3519.00')
INV. = 1081.748 (3513.646')

POND AREA LINE.

100 x 100 x 150 mm SIAMESE CONN. LABELED (F. DEPT. SPRINKLER SYSTEM.)

FIRE 200mm WATER SERVICE UP 200mm FROST CULVERT.
50m DOM. WATER METER.
100mm SPRINKLER TREE.
GAS SERVICE METER & REGULATOR BY GAS CO. (18.2 CO & 3 HR M.P. GAS)
DISCHARGE FROM METER.

GARAGE SUMP

SPLASH 0.0049 m³/SEC

100mm C.F. ROOF DRAIN. 3.65 mm HEAD. 0.0016 m³/SEC. 7.5 HR. DD. TIME. 1 WEIR. (TYPICAL OF 2.)

100mm C.F. ROOF DRAIN. 3.65 mm HEAD. 0.0032 m³/SEC. 7.5 H.R. DD. TIME. 2 WEIRS. (TYPICAL OF 2.)

FIN. FLOOR ELEV. = 1083.887 (3522.50')

160mm SAN. INV. @ BLDG = 1081.359 (3547.84')

GARAGE SUMP.

SPLASH 0.0016 m³/SEC.

100 mm C.F. ROOF DRAIN. 3.65 mm HEAD. 0.0016 m³/SEC. 7.5 HR. DD TIME 1 WEIR. (TYPICAL OF 2.)

RETAINING WALL ?

SPLASH 0.0049 m³/SEC

SPLASH. 0.0016 m³/SEC.

NO LANE.

SITE PLAN.
SCALE 1:200

10mm THICK SOLID STEEL COVER & IRON FRAME BY GEN. CONT. BRASS SCREW TOP C.O.

100mm VENT

100mm

50mm VENT

100mm INLET INV.=

INV.= FIT BY GEN CONT. WALL THICKNESS TO BE DETERMINED BY STRUCTURAL.

600mm

600mm

SIDE SECTION.

VENT

TOP VIEW.

GARAGE SUMP DETAIL.
NTS.

## SITE RETENTION CALCULATION.

60% RUN OFF

SITE AREA 8049 m² (86657 F²) 1.994 ACRES.
ROOF AREA 2912 m² (31346 F²).

ALLOWABLE RUN OFF = 1.994 x 3.25 x .6 = 3.88 F³/SEC. (.011 m³/SEC.)
FLOW OFF SITE = 8665 x 08 x .6 x .6 = 2084 F³ (59 m³)
RUN OFF ROOF = .0012 m³/SEC. = 0.459 F³/SEC. = 1655 F³ (46.8 m³)
REALISTIC V TO STM. = 8665 x .08 x .8 = 5566.8 F³ (157.4 m³)
RAIN ON ROOF = 31346 x .08 = 2508 F³ (71 m³)
POND ON ROOF = 2508 - 1653 = 855 F³ (24.2 m³)
POND REQUIRED = 5566.8 - 655 - 2084 = 2620 F³ (74.2 m³)
POND AREA = 2620 ÷ .333 ÷ .88 = 8940 F² (2725 m²)

TO SPRINKLER SYSTEM.
EXCESS PR. PUMP.
OUTLET FOR FLOW TEST.

AUTOMATIC ALARM VALVE.
CHECK VALVE.

NOTE:
1. WIRE TO ALARM BELL BY ELECTRICAL CONTRACTOR.
2. ALARM GONG BY SPRINKLER CONT.
3. 120 VOLT WIRING & 15 AMP BREAKER BY ELECTRICAL CONTRACTOR FOR EXCESS PRESSURE PUMP.

SCHEMATIC HOOK-UP OF SPRINKLER TREE
NTS.

100mm ø FIRE LINE STAND PIPES.

BY-PASS VALVE.

NOT LESS THAN 1.0m TO F.F.

COUPLING LUGH INLET CONTROL VALVE

OUTLET CONTROL VALVE

50mm ø

100mm ø

BY PASS CONT.

200mm ø CHECK VALVE

100mm ø

GATE VALVE

SCREEN MESH OVER CULVERT

100mm

200mm ø FROM CITY SERVICE

WATER CONTROL VALVE

METER OR SPACER

50mm ø

FLOOR SLAB

METER & PIPE SUPPORT STAND

MIN. 300mm

MAX. 1.0m

400mm FROST CULVERT.

50mm ø WATER METER DETAIL.
NTS.

LEGAL DESCRIPTION:
LOT 4 & 6.
BLOCK 6.
PLAN 781077
ADDRESS 21 ST. N.E.
CALGARY, ALBERTA.

revisions

HASEGAWA ENGINEERING LTD.
CONSULTING PROFESSIONAL ENGINEERS
CALGARY ALBERTA

THE ASSOCIATION OF PROFESSIONAL ENGINEERS GEOLOGISTS OF ALBERTA
PERMIT NUMBER P 3102
CONTINENTAL DESIGNS LTD.

REGISTERED ALBERTA

COMMERCIAL/INDUSTRIAL DEVELOPMENT FOR DEERLOOK. CALGARY, ALBERTA.

SITE PLAN. MECHANICAL.

file no. 585
date SEPT/80
scale 1:200
drawn DU

M1 of 4

NOTE:
IRRIGATION SYSTEM: PROVIDE 100% COVERAGE PIPING TO BE CONTAINED WITHIN PROPERTY LINES. SHOP DRAWINGS REQUIRED PRIOR TO INSTALLATION.

EXIST. STORM DUCT INVERT = 1078.961 (3544.34')
NEW INVERT CONN. = 1080.590 (3549.68')

EXIST. 1.829 x 1.829 m STORM DUCT

EXIST. 450 mm SAN.

EXIST. 200mm Y.P.I. WATER.
TOP 1083.164 (3518.12')

1083.257 (3518.87')

1083.125 (3518.60')

21 ST. STREET N.E.

915mm

GATE V. VALVE.

600mm WATER SERVICE BY CITY @ DEVELOPERS EXPENCE.

200mm STORM @ EL 1080.828 (3510.46')

1083.344 (3518.78')

1083.566 (3519.28')

1083.667 (3519.78')

1083.930 (3520.64')

NEW 200mm WATER SERVICE FOR SPRINKLER TREE & WATER METER.

1083.128 (3518.60')

1083.613 (3519.6')

POND AREA = 74.2 m³
2725 m²

40mm PVC. RUN IN 150mm HELICAL CULVERT BY PLUMBING CONTRACTOR.) FOR LAWN SPRINKLER SYSTEM BY LAWN SPRINKLER CONTRACTOR.

220mm STORM @ 0.56% SLOPE.

9.5% HYD. SLOPE
(11.1 m @ EL 1079.24 (3543.79'))

NEW SLOTTED TOP MANHOLE TO CITY OF CALGARY STANDARDS.
RIM ELEV. = 1082.857 (3517.12')
S. INV. = 1080.918 (3511.02')
E. INV. = 1080.937 (3511.08')

250mm STORM @ 1% SLOPE 0.052 m³/SEC (80m).

250mm STM. INV. = 1081.603 (3513.71')

150 SAN. INV. = 1080.055 (3507.98')

150mm SAN @ 2% SLOPE

EXIST. SANITARY MANHOLE.
RIM ELEV. = 1083.710 (3519.92').
U. INV. = 1078.085 (3521.24').
S. INV. = 1078.098 (3521.49').
W. INV. = 1078.512 (3505.41').

EXIST. HYDRANT.

EXIST 450mm Y.P.I. WATER.
TOP 1084.145 (3521.349')

1084.086 (3521.15')

1084.152 (3521.27')

1084.218 (3521.591')

NEW SAN. TEST MANHOLE TO CITY OF CALGARY STANDARD.
RIM ELEV. = 1083.930 (3519.00')
E. INV. = 1079.633 (3507.64').
W. INV. = 1079.755 (3507.04').

CATCH BASIN TO CITY OF CALGARY STANDARD.
RIM ELEV. = 1083.430 (3519.00')
N. INV. = 1081.798 (3513.646')

1084.332 (3521.961')

POND AREA LINE.

1083.125 (3518.221')

100 x 100 x 150mm SIAMESE CONN. LABELED (F. DEPT. SPRINKLER SYSTEM.)

1083.122 (3518.00')

SLOPE

1083.277 (3518.67')

1083.787 (3520.171')

1083.684 (3519.671')

1083.684 (3519.671')

1083.787 (3520.171')

1083.684 (3519.671')

1083.787 (3520.171')

1084.615 (3522.561')

1083.125 (3518.00')

1083.125 (3518.00')

1083.125 (3518.00')

1083.787 (3519.001')

RISE 200mm WATER SERVICE UP 400mm FROST CULVERT.
50mm DOM. WATER METER.
100mm SPRINKLER TREE.
GAS SERVICE METER & REGULATOR BY GAS CO. (182.08 m³/HR M.P. GAS.)
DISCHARGE FROM METER.

1083.125 (3518.00')

GARAGE SUMP

SPLASH 0.0049 m³/SEC

1083.787 (3519.001')

1083.460 (3520.41')

POND AREA LINE

100mm C.F. ROOF DRAIN.
3.65mm HEAD.
0.0016 m³/SEC.
7.5 HR. DD. TIME.
1 WEIR.
(TYPICAL OF 2.)

FIN. FLOOR ELEV. = 1083.857 (3520.56')

160mm SAN. INV. @ BLDG. = 1080.555 (3507.84')

100mm C.F. ROOF DRAIN.
3.65 mm HEAD.
0.0032 m³/SEC.
7.5 HR. DD. TIME.
2 WEIRS.
(TYPICAL OF 2.)

GARAGE SUMP.

100mm C.F. ROOF DRAIN.
3.65 mm HEAD.
0.0016 m³/SEC.
7.5 HR. DD. TIME
1 WEIR.
(TYPICAL OF 2.)

SPLASH 0.0016 m³/SEC.

SPLASH 0.0049 m³/SEC.

SPLASH. 0.0016 m³/SEC.

1083.125 (3518.00')

1083.826 (3520.31')

1083.521 (3519.31')

1083.786 (3520.171')

1083.475 (3519.151')

1083.369 (3518.81')

1083.765 (3520.1')

1083.826 (3520.31')

1083.857 (3520.181')

1083.460 (3520.41')

1084.405 (3522.21')

1085.015 (3524.21')

RETAINING WALL

SITE PLAN.
SCALE 1:200.

NO LANE.

## SITE RETENTION CALCULATION.
60% RUN OFF.

SITE AREA 8069 m² (86867 F²) 1.994 ACRES.
ROOF AREA 2912 m² (31346 F²).

ALLOWABLE RUN OFF = 1.994 x 3.25 x .6 = 3.88 F³/SEC. (0.11 m³/SEC.)
FLOW OFF SITE = 86867 x .08 x .6 x .5 = 2084 F³ (59 m³.)
RUN OFF ROOF = 0.013 m³/SEC. = 0.459 F³/SEC. = 1653 F³ (46.8 m³.)
REALISTIC V TO STM. = 86867 x .08 x .8 = 5568.8 F³ (157.4 m³.)
RAIN ON ROOF = 31346 x .08 = 2508 F³ (71 m³.)
POND ON ROOF = 2508 - 1653 = 855 F³ (24.2 m³.)
POND REQUIRED = 5568.8 - 855 - 2084 = 2629 F³ (74.8 m³.)
POND AREA = 2620 ÷ .333 ÷ .88 = 8940 F² (2725 m².)

REQUIREMENTS OF CALGARY FIRE DEPT.
DATE Oct 16/80
PLANS EXAMINER
FIRE PREVENTION BUREAU
See letter

10mm THICK SOLID STEEL COVER & IRON FRAME BY GEN. CONT. BRASS SCREW TOP C.O.

100mm VENT

100mm INLET INV. =

50mm VENT

INV. = FIT BY GEN. CONT. WALL THICKNESS TO BE DETERMINED BY STRUCTURAL.

600mm

SIDE SECTION.

TOP VIEW

GARAGE SUMP DETAIL.
NTS.

TO SPRINKLER SYSTEM.
EXCESS PR. PUMP.
OUTLET FOR FLOW TEST.
AUTOMATIC ALARM VALVE.
CHECK VALVE.

NOTE:
1. WIRE TO ALARM BELL BY ELECTRICAL CONTRACTOR.
2. ALARM SOLD BY SPRINKLER CONT.
3. 120 VOLT WIRING & 15 AMP BREAKER BY ELECTRICAL CONTRACTOR FOR EXCESS PRESSURE PUMP.

SCHEMATIC HOOK-UP OF SPRINKLER TREE.
NTS.

100mm ϕ FIRE LINE TO STAND PIPES.
TO SPR. TREE BY SPR. CONT.
BY-PASS VALVE.
NOT LESS THAN 1.0m & 30 ϕ
200mm ϕ CHECK VALVE
COUPLING UNION INLET CONTROL VALVE
OUTLET CONTROL VALVE
50mm ϕ
200mm ϕ OS&Y SHUT OFF VALVE
MASTER CONTROL VALVE 50mm ϕ
370 mm
METER OR SPACER
MIN. 300mm
SCREEN MESH OVER CULVERT 100mm
FLOOR SLAB
METER & PIPE SUPPORT STAND
MAX. 1.0m
200mm ϕ FROM CITY SERVICE
400mm FROST CULVERT.

50mm ϕ WATER METER DETAIL.
NTS.

ISSUED
SEP 22 1980
HASEGAWA ENGINEERING LTD.

LEGAL DESCRIPTION:
LOT 4 & 6.
BLOCK 6.
PLAN 781077
ADDRESS 21 ST. N.E.
CALGARY, ALBERTA.

revisions

HASEGAWA ENGINEERING LTD.
CONSULTING PROFESSIONAL ENGINEERS
CALGARY ALBERTA

THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF ALBERTA
PERMIT NUMBER P 3102
CONTINENTAL DESIGNS LTD.

ENGINEER ALBERTA
PROFESSIONAL ENGINEERS

COMMERCIAL/INDUSTRIAL DEVELOPMENT FOR DEERCO #2.
CALGARY, ALBERTA.
MECHANICAL
SITE PLAN.

file no. 585
date Sept/80
scale 1:200
drawn D.J.

M1 of 4

NOTE:
IRRIGATION SYSTEM. PROVIDE 100% COVERAGE PIPING TO BE CONTAINED WITHIN PROPERTY LINE. SHOP DRAWING REQUIRED PRIOR TO INSTALLATION.

EXIST. STORM DUCT INVERT=1077.040 (3504.60')±
NEW INVERT CONN.=1080.667 (3509.74')±

EXIST. 1.829x1.829m STORM DUCT
EXIST. 450mm SAN.
EXIST. 200mm Y.P.I. WATER.
1083.274 3518.79'
1083.348 3518.78'
1083.427 3518.99'
1083.247 3518.40'

21 ST. STREET N.E.

915mm
OS.&Y. VALVE.
200mm WATER SERVICE BY CITY @ DEVELOPERS EXPENCE.
200mm STORM @ FL=1080.880 (3610.64)
1083.521 3519.32'
FL=102.412
NEW 200mm WATER SERVICE FOR SPRINKLER TREE & WATER METER.

EXISTING HYDRANT.

EXIST. SANITARY MANHOLE.
RIM ELEV.=1083.910 (3519.92'±).
U. INV.=1078.052 (3551.29'±).
S. INV.=1078.018 (3551.19'±).
W. INV.=1077.512 (3553.51'±).

EXIST. 1.829x1.829m STORM DUCT.
EXIST. 450mm SAN.
EXIST 450mm Y.P.I WATER.
TOC 1084.024± 3520.95'±
1084.67 3521.09'
1084.84 3521.15'
1084.097 3521.19'

200mm STORM @ 0.56% SLOPE.
0.5% HYD SLOPE
(211.8m @ 56.25 cms)

NEW SLOTTED TOP MANHOLE TO CITY OF CALGARY STANDARDS.
RIM ELEV.=1082.979 (3517.52')
S. INV.=1081.019 (3511.04')
E. INV.=1082.958 (3510.87')

111.000m

POND AREA = 74.2 m³ 2725 ft³.
40mm PVC. RUN IN 150mm ø HELICAL CULVERT (BY PLUMBING CONTRACTOR) FOR LAWN SPRINKLER SYSTEM BY LAWN SPRINKLER CONTRACTOR.

250mm STORM @ 1% SLOPE 0.052 m³/SEC. (80m).

150mm SAN @ 2% SLOPE.

NEW SAN TEST MANHOLE TO CITY OF CALGARY STANDARD.
RIM ELEV.=1083.728 (3519.76')
E. INV.=1079.683 (3506.54')
W. INV.=1079.765 (3507.04')

CATCH BASIN TO CITY OF CALGARY STANDARD.
RIM ELEV.=1083.430 (3519.001')
D. INV.=1081.819 (3513.715')
1084.223 3521.681'

## SITE RETENTION CALCULATION.

60% RUN OFF.
SITE AREA 8069m² (86867 ft²) 1.994 ACRES.
ROOF AREA 2912 m² (31346 ft²).

ALLOWABLE RUN OFF = 1.994 x 3.25 x .6 = 3.88 ft³/SEC. (.11m³/SEC.)
FLOW OFF SITE = 86867 x .08 x .6 x .8 = 2084 ft³ (59 m³)
RUN OFF ROOF = .013m³/SEC. = .459 ft³/SEC. = 1652 ft³ (46.8 m³)
REALISTIC V. TO STM. = 86867 x .08 x .8 = 5556.8 ft³ (157.4 m³)
RAIN ON ROOF = 31346 x .08 = 2508 ft³ (71 m³)
POND ON ROOF = 2508 - 1653 = 855 ft³ (24.2 m³)
POND REQUIRED = 5556.8 - 855 - 2084 = 2620 ft³ (74.2 m³)
POND AREA = 2620 ÷ .333 ÷ .86 = 8940 ft² (2725 m²)

POND AREA LINE.

100 x 100 x 150mm SIAMESE CONN. LABELED (P. DEPT. SPRINKLER SYSTEM.)
65 x 65 x 100mm SIAMESE CONN. LABELED (P. DEPT. STAND PIPE.)

1083.247 3518.40'
1083.830 3519.01'
1083.787 3520.47'
1083.787 3520.17'
1083.684 3519.67'
1083.684 3519.67'
1083.787 3520.17'
1083.787 3520.17'
1084.183 3521.80'
1085.247 3518.40'
1084.787 3519.20'
1083.247 3518.40'
1085.247 3518.40'

RISE 2-200mm WATER SERVICE UP 1.200mm FROST CULVERT.
150mm DOMESTIC WATER.
100mm SPRINKLER TREE.
GAS SERVICE METER & REGULATOR BY GAS CO. (162.08 m³/HR M.P. GAS.)
DISCHARGE FROM METER.

FIN. FLOOR ELEV.=1083.887 (3520.50')

160mm SAN. INV. @ BLDG. =1080.538 (3545.84')

GARAGE SUMP.

SPLASH 0.0027 m³/SEC.
1083.430 3519.001'
1083.857 3520.41'

100mm C.P. ROOF DRAIN. 3.65mm HEAD. .0016 m³/SEC. 7.5 HR. DD. TIME. 1 WEIR. (TYPICAL OF 4)

100mm C.P. ROOF DRAIN. 3.65mm HEAD. .0016 m³/SEC. 7.5 HR. DD. TIME. 1 WEIR. (TYPICAL OF 2.)

100mm C.P. ROOF DRAIN. 3.65mm HEAD. .0016 m³/SEC. 7.5 HR. DD. TIME. 1 WEIR. (TYPICAL OF 2.)

SPLASH 0.0027 m³/SEC.

RETAINING WALL

SPLASH 0.0027 m³/SEC.

POND AREA LINE

R = 78.790 m

SPLASH 0.0027 m³/SEC.

1083.247 3518.40'
1083.826 3520.51'
1083.521 3519.81'
1083.786 3520.171'
1083.857 3520.181'
1083.765 3520.11'
1083.826 3520.31'
1083.476 3519.151'
1083.537 3519.35'
1084.405 3520.21'
1084.917 3521.80'
1085.460 3520.41'

SITE PLAN.
SCALE 1:200.

NO LANE.

10mm THICK SOLID STEEL COVER & IRON FRAME BY GEN. CONT. BRASS SCREW TOP C.O.
100mm VENT
50mm VENT
100mm INLET I.N.V.=
I.N.V. = PIT BY GEN. CONT. WALL THICKNESS TO BE DETERMINED BY STRUCTURAL.
600mm
SIDE SECTION.
TOP VIEW.

GARAGE SUMP DETAIL.
N.T.S.

TO SPRINKLER SYSTEM.
EXCESS PR. PUMP.
OUTLET FOR FLOW TEST.
AUTOMATIC ALARM VALVE.
CHECK VALVE.

NOTE:
1. WIRE TO ALARM BELL BY ELECTRICAL CONTRACTOR.
2. ALARM GONG BY SPRINKLER CONT.
3. 120 VOLT WIRING & 15 AMP BREAKER BY ELECTRICAL CONTRACTOR FOR EXCESS PRESSURE PUMP.

SCHEMATIC HOOK-UP OF SPRINKLER TREE.
N.T.S.

100mm ø FIRE LINE TO STAND PIPES.
100mm ø FIRE TREE BY SPRINK. CONT.
BY-PASS VALVE.
NOT LESS THAN 1.0m & 30 ø
COUPLING UNION
INLET CONTROL VALVE
OUTLET CONTROL VALVE
50mm ø
200mm ø CHECK VALVE
200mm ø OS&Y SHUT OFF VALVE
SCREEN MESH OVER CULVERT
MASTER CONTROL VALVE
50mm ø
SPACER
METER OR SPACER
MIN. 300mm
100mm
200mm ø FROM CITY SERVICE
FLOOR SLAB
METER & PIPE SUPPORT STAND
MAX. 1.0m
400mm FROST CULVERT.

50mm ø WATER METER DETAIL.
N.T.S.

RECEIVED
DEC 16 1980
By: V.

LEGAL DESCRIPTION.
SOUTH 51.206M. OF LOT 4 & NORTH 81.206M. OF LOT 6
PLAN 781077 BL. 6
ADDRESS 21 ST. N.E.
CALGARY, ALBERTA.

ISSUED
DEC 10 1980
HASEGAWA ENGINEERING LTD.

| no. | revisions | date | by |
|---|---|---|---|
| 3 | REVISED SIAMESE & ADDED SIAMESE. | 12/12/80 | P.V.C. |
| 2 | REVISED LEGAL DESCR. | 25/11/80 | P.V.C. |
| 1 | REVISED | 6/10/80 | P.V.C. |

HASEGAWA ENGINEERING LTD.
CONSULTING PROFESSIONAL ENGINEERS
CALGARY ALBERTA

REVISED

THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS and GEOPHYSICISTS OF ALBERTA
PERMIT NUMBER P 3102
CONTINENTAL DESIGNS LTD.

ENGINEER ALBERTA

COMMERCIAL/INDUSTRIAL DEVELOPMENT FOR DEERCO#2.
CALGARY, ALBERTA.

SITE PLAN. MECHANICAL.

file no. 685
date 25/11/80
scale 1:200
drawn P.V.

M1 of 4

B 5805/80

NOTE:
IRRIGATION SYSTEM PROVIDE 100% COVERAGE PIPING TO BE CONTAINED WITHIN PROPERTY LINE. SHOP DRAWING REQUIRED PRIOR TO INSTALLATION.

EXIST. STORM DUCT INVERT=1079.040'(3508.60')±
NEW INVERT CONN.=1080.669 (3509.94')±

EXIST. 1.829x1.829m STORM DUCT
EXIST. 450mm SAN.
EXIST. 200mm Y.D.I. WATER.

1083.274 3518.99'
1083.348 3518.73'
1083.427 3518.99'
1083.247 3518.40'

21 ST. STREET N.E.

915mm O.S.&Y. VALVE.
200mm WATER SERVICE BY CITY @ DEVELOPERS EXPENCE.
200mm STORM @ IL=1082.880 (3512.64')
EXISTING HYDRANT.
IL=108.412
1083.321 3519.36'
NEW 200mm WATER SERVICE FOR SPRINKLER TREE & WATER METER.

EXIST. SANITARY MANHOLE
RIM ELEV.=1088.910 (3519.92'±).
U.INV.=1078.252 (3501.89'±).
S.INV.=1078.093 (3501.69'±).
W.INV.=1077.812 (3500.69'±).

6.036
8.838
10.373
F.G.E. 3.657

1084.67 3521.09'
1084.8M 3521.16'
1084.097 3521.19'

EXIST. 450mm SAN.
EXIST 450mm Y.D.I. WATER.
TOC 1084.024± 3520.951±

1083.247 3518.40'
1083.613 3519.61'

NEW SAN TEST MANHOLE TO CITY OF CALGARY STANDARD.
RIM ELEV.=1083.722 (3519.96')
E.INV.=1079.683 (3506.56')
W.INV.=1079.783 (3507.04').

POND AREA = 74.2 m²
2725 m²
40mm DIA. ORIFICE IN 150mm Ø MEDICAL GAUVERT (BY PLUMBING CONTRACTOR.) FOR LAWN SPRINKLER SYSTEM BY LAWN SPRINKLER CONTRACTOR.

250mm STORM @ 1.56% SLOPE. 0.011 m³/SEC (25.206 m.)

250mm STORM @ 1% SLOPE 0.0082 m³/SEC (80m).

150mm SAN @ 2% SLOPE.

NEW SLOTTED TOP MANHOLE TO CITY OF CALGARY STANDARDS.
RIM ELEV.=1082.974 (3517.53')
S.INV.=1081.019 (3511.09')
E.INV.=1080.795 (3510.36')

11.000m

CATCH BASIN TO CITY OF CALGARY STANDARD.
RIM ELEV.=1083.430 (3519.00')
W.INV.=1081.819 (3513.715')

1084.223 3521.621

POND AREA LINE.

100x100x150mm SIAMESE CONN. LABELLED (F.D.EPT. SPRINKLER SYSTEM.)
53x65x100mm SIAMESE CONN. LABELLED (F.D.EPT. STAND PIPE.)

1083.247 3518.40'
1083.430 3519.00'
1083.787 3520.17'
1083.247 3518.40'
1083.247 3518.40'
1083.787 3520.17'
1083.247 3518.40'
1083.247 3518.40'
1083.787 3520.17'
1083.247 3518.40'
1083.430 3519.00'
1083.257 3520.81'
1083.247 3518.40'
1083.826 3520.51'
1083.521 3519.31'
1083.475 3519.15'
1083.537 3519.35'

SLOPE

SIAMESE 200mm WATER SERVICE UP 2.200mm DIA. CULVERT. SC. TO DOMESTIC METER.
100mm SPRINKLER TREE GAS SERVICE. METER & REGULATOR BY GAS CO. (162.6 m³/HR. LIP GAS) DISCHARGE FROM METER.

F.H. FLOOR ELEV.=1083.857 (3520.50')

160mm SAN. INV. @ BLDG. =1080.323 (3543.84')

GARAGE SUMP

SPLASH 0.0027 m³/SEC

100mm C.P. ROOF DRAIN. 365mm HEAD. 0.0016 m³/SEC. 7.5 H.P. DD. TIME. 1 WEIR. (TYPICAL OF 4)

100mm C.P. ROOF DRAIN. 365mm HEAD. 0.0016 m³/SEC. 7.5 H.P. DD. TIME 1 WEIR. (TYPICAL OF 2.)

POND AREA LINE

R=18.790 m

RETAINING WALL

1084.203 3521.801

1083.765 3520.11'
1083.826 3520.81'
1083.857 3520.15'
1083.460 3520.41'
1084.406 3520.21'
1084.917 3523.95'

SITE PLAN
SCALE 1:200.

NO LANE.

10mm THICK SOLID STEEL COVER & IRON FRAME BY GEN. CONT. BRASS SCREW TOP C.O.

100mm VENT
100mm Ø
50mm VENT.
100mm INLET I.U.V.=
50
100
150
650
600mm
600mm
SIDE SECTION.
I.U.V.= FIT BY GEN. CONT. WALL THICKNESS TO BE DETERMINED BY STRUCTURAL.
VENT
600 mm
TOP VIEW

GARAGE SUMP DETAIL.
N.T.S.

REQUIREMENTS OF CALGARY FIRE DEPT.
DATE Jan 13/81
ALBERTA EXAMINER
FIRE PREVENTION OFFICER

TO SPRINKLER SYSTEM.
EXCESS PR. PUMP.
OUTLET FOR FLOW TEST.
ALARM VALVE.
CHECK VALVE.

NOTE:
1. WIRE TO ALARM BELL BY ELECTRICAL CONTRACTOR.
2. ALARM GONG BY SPRINKLER CONT.
3. 120 VOLT WIRING & 15 AMP BREAKER BY ELECTRICAL CONTRACTOR FOR EXCESS PRESSURE PUMP.

SCHEMATIC HOOK-UP OF SPRINKLER TREE
N.T.S.

100mm Ø FIRE LINE TO STAND PIPES.
BY-PASS VALVE.
NOT LESS THAN 1.0m & TO G
COUPLING UNION
INLET CONTROL VALVE
OUTLET CONTROL VALVE
50mm Ø
200mm Ø CHECK VALVE
200mm Ø OS&Y SHUT OFF VALVE.
SCREEN MESH OVER CULVERT
MASTER CONTROL VALVE
450 m/m METER OR SPACER
MIN. 300mm
50mm Ø
100mm Ø
FLOOR SLAB
METER & PIPE SUPPORT STAND
MAX. 1.0m
200mm Ø FROM CITY SERVICE
400mm FROST CULVERT.

50mm Ø WATER METER DETAIL.
N.T.S.

B 5805/80

LEGAL DESCRIPTION
(SOUTH 51.206 M. OF LOT 4 & (NORTH 51.206M. OF LOT 6) PLAN 79 1077 BL. 6
ADDRESS 21 ST. N.E. CALGARY, ALBERTA.

| No. | REVISIONS |
|---|---|
| 1 | REVISED LEGAL DES. |
| 2 | RELOCATED SIAMESE & ADDED 2 SIAMESES. |

HASEGAWA ENGINEERING LTD.
CONSULTING PROFESSIONAL ENGINEERS
CALGARY ALBERTA

ISSUED
JAN. 12 1981
HASEGAWA ENGINEERING LTD.

THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF ALBERTA PERMIT NUMBER P 3102

ENGINEER ALBERTA PROFESSIONAL

COMMERCIAL/INDUSTRIAL DEVELOPMENT FOR DEERCOFF
CALGARY, ALBERTA
SITE PLAN
MECHANICAL

file no. 885
date 56/7/80
scale 1:200
drawn DJ

M1 of 4