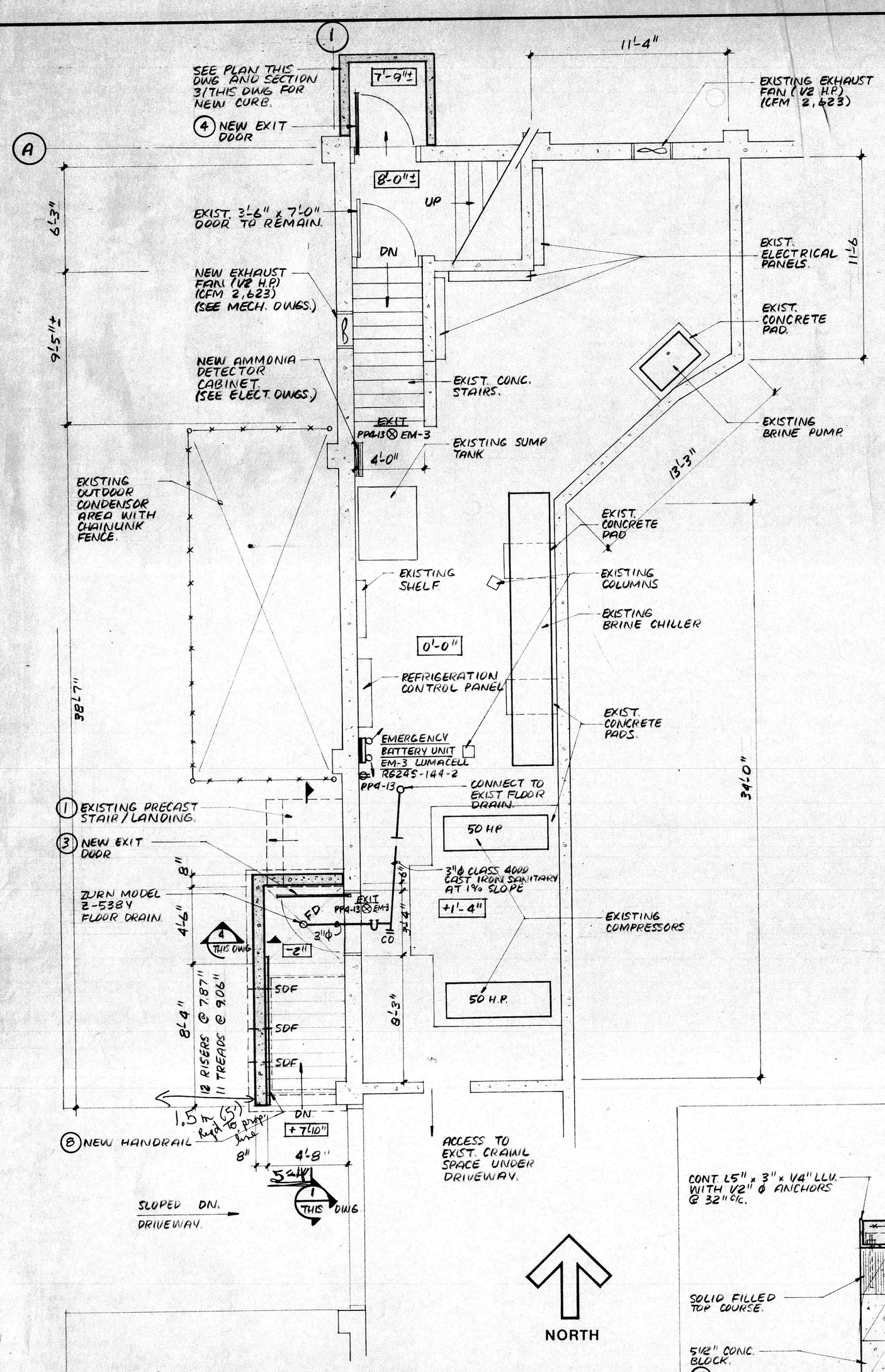
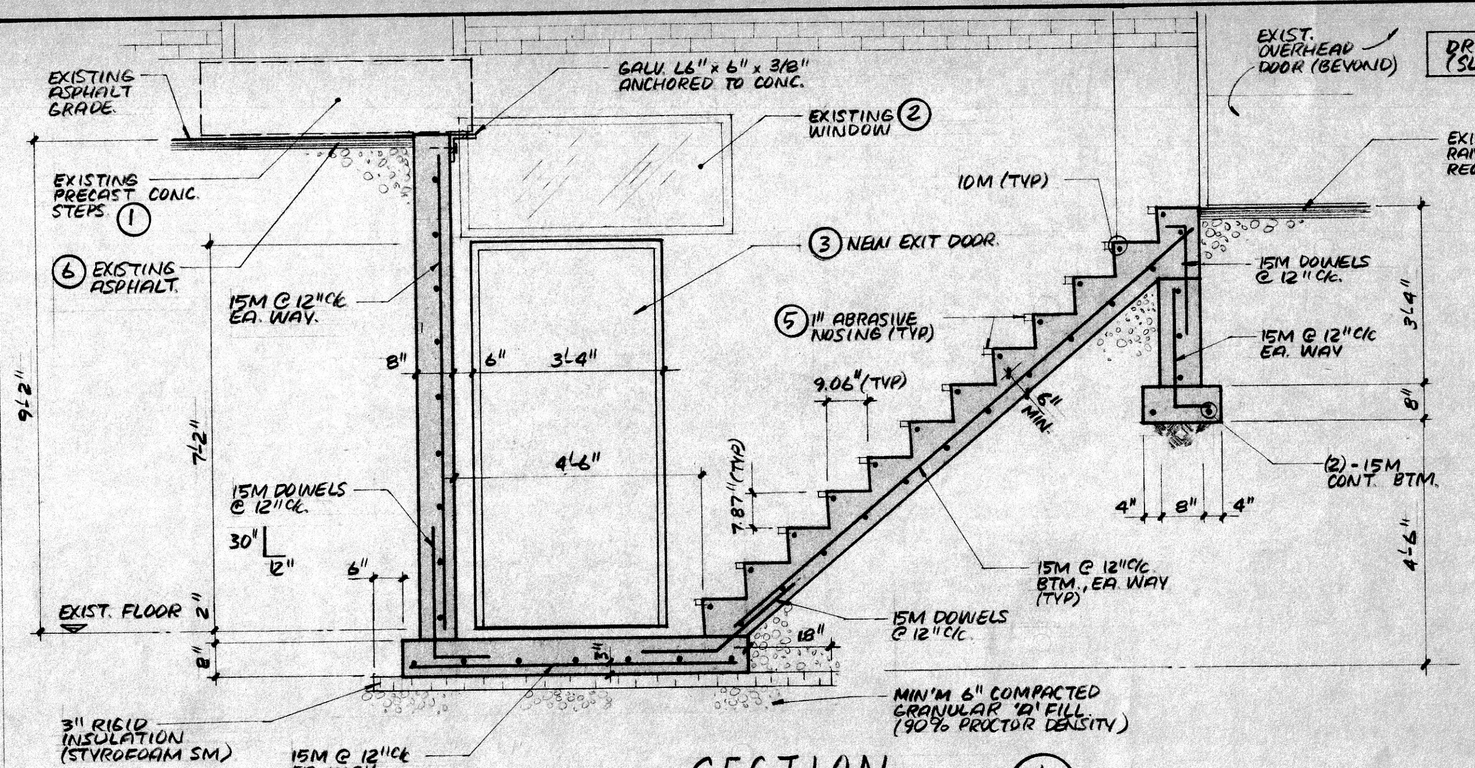



NORTH

## REFRIGERATION ROOM PLAN

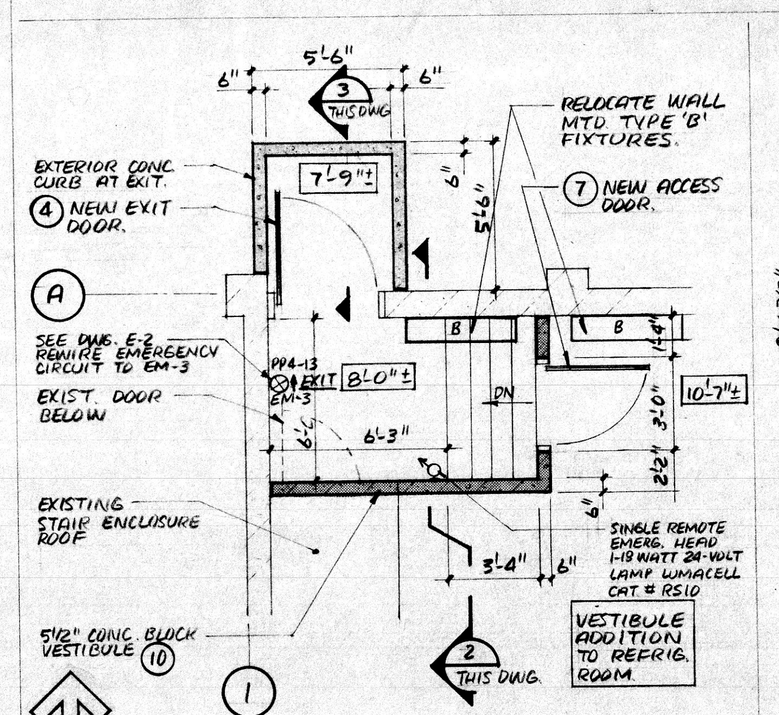
SCALE: 1/4" = 1FT.

1. SEE DRAWING NOTES THIS DRAWING
2. RELATIVE FLOOR/GRADE ELEVATIONS SHOWN THUS -0'-0"
3. SDF — 18" STEP DOWN FOOTING
   F.D — NEW FLOOR DRAIN.
4. PROVIDE 1/2"ø x 6" LG. EXPANSION ANCHORS @ 12" OC. INTO EXIST WALL WHERE NEW CONC. STAIRWELL WALLS BUTT.
5. SEE ELECTRICAL DRAWINGS AND SPECS FOR ADDITIONAL INFORMATION.




## SECTION

SCALE: 1/2" = 1FT. — 1 THIS DWG.

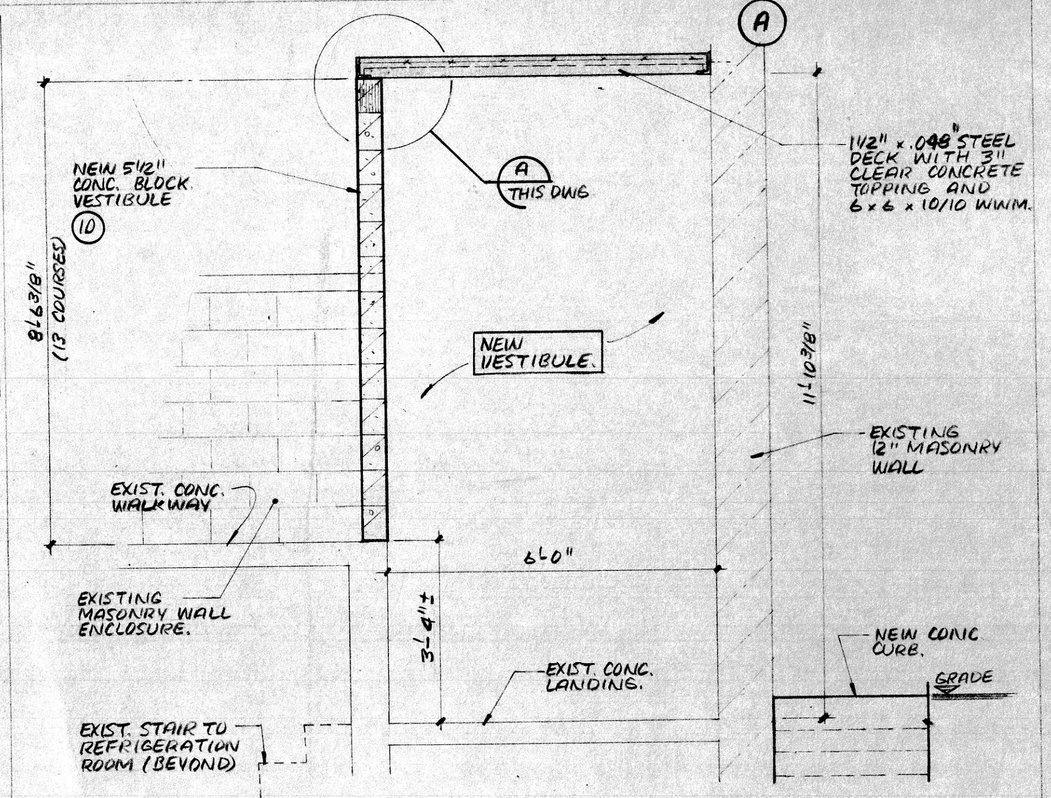



## STAIR AT NORTH WEST CORNER

SCALE: 1/4" = 1FT.

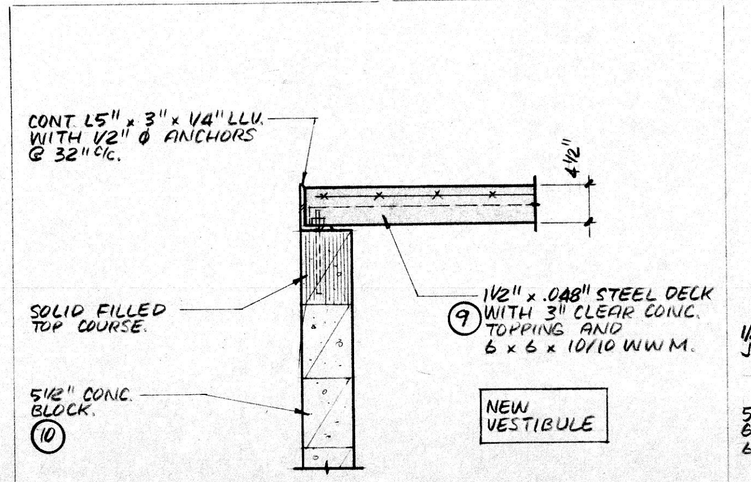
NOTES:

1. SEE DRAWING NOTES, THIS DRAWING.
2. RELATIVE FLOOR ELEVATIONS SHOWN THUS 0'-0"±



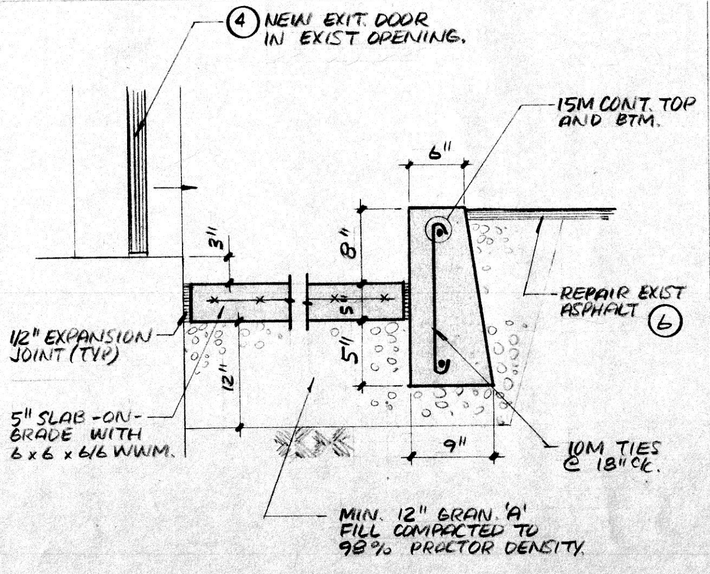

## SECTION

SCALE: 1/2" = 1FT. — 2 THIS DWG.



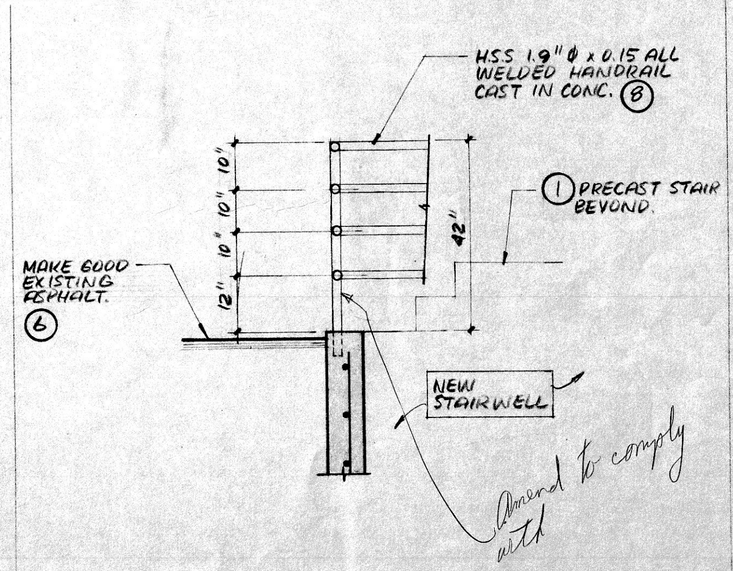

## DETAIL

SCALE: 1" = 1FT. — A THIS DWG




## SECTION

SCALE: 1" = 1FT. — 3 THIS DWG.




## SECTION

SCALE: 1/2" = 1FT. — 4 THIS DWG.

## DRAWING NOTES

**STRUCTURAL**

1. REMOVE EXISTING PRECAST CONCRETE STAIR AND LANDING TO ALLOW FOR INSTALLATION OF NEW STAIRWELL. RE-INSTALL EXISTING PRECAST CONCRETE STAIR AND LANDING AFTER NEW STAIRWELL CONSTRUCTION.
2. EXISTING REFRIGERATION ROOM WINDOW TO REMAIN. REMOVE EXISTING CONCRETE AREAWELL AROUND WINDOW TO ALLOW FOR INSTALLATION OF NEW STAIRWELL.
3. SUPPLY AND INSTALL PAINTED, INSULATED 3'-0" WIDE X 7'-0" HIGH, HOLLOW METAL DOOR AND FRAME COMPLETE WITH APPROVED PANIC HARDWARE. DOOR TO BE INSTALLED WITHIN NEW 3'-4" X 7'-2" HIGH OPENING CUT IN EXISTING CONCRETE FOUNDATION WALL.
4. SUPPLY AND INSTALL PAINTED, INSULATED 3'-6" WIDE X 7'-0" HIGH, HOLLOW METAL DOOR AND FRAME. COMPLETE WITH APPROVED PANIC HARDWARE. DOOR TO BE INSTALLED WITHIN EXISTING MASONRY OPENING.
5. PROVIDE 1" ABRASIVE NOSINGS BY "BORDEN" OR APPROVED EQUAL ANCHORED TO CONCRETE STAIR RISERS.
6. REPAIR EXISTING ASPHALT AS REQUIRED AFTER INSTALLATION OF NEW CONCRETE STAIRWELL.
7. SUPPLY AND INSTALL PAINTED, INSULATED 3'-0" WIDE X 7'-0" HIGH HOLLOW METAL DOOR AND FRAME. COMPLETE WITH APPROVED LOCKSET. DOOR TO BE INSTALLED IN NEW MASONRY OPENING.
8. PROVIDE NEW H.S.S. 1.9"Ø X 0.15" ALL WELDED, HOT-DIP GALVANIZED, PAINTED STEEL HANDRAIL TO O.B.C. REQUIREMENTS.
9. PROVIDE 1-1/2" X .048" STEEL DECK WITH MINIMUM 3" CLEAR CONCRETE TOPPING FOR ROOF OF NEW VESTIBULE. CONCRETE SHALL BE 25 MPa COMPRESSIVE STRENGTH AND REINFORCED WITH WWM AS SPECIFIED. TACK WELD STEEL DECK TO SUPPORTING STEEL AT 12" CENTRES AND SIDE LAP CRIMP DECK MEMBERS AT MAXIMUM 18" CENTRES.
10. CONSTRUCT NEW CONCRETE BLOCK WALLS WITH 2-CORE, HOLLOW METRIC BLOCK WITH MINIMUM 15 MPa NET AREA COMPRESSIVE STRENGTH. CONSTRUCT IN RUNNING BOND PATTERN WITH MINIMUM TYPE 'S' MORTAR.

REVISIONS

| no | date | description |
|---|---|---|
| 1 | JAN 28/91 | ISSUED AS POST TENDER ADDENDUM. |

PRINTED

JAN 29 1991

group eight engineering limited

group eight engineering limited
627 main street east
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tel: (416) 525-6069

REGISTERED PROFESSIONAL ENGINEER E. A. KOLODZIEJSKI JAN/91 PROVINCE OF ONTARIO

project title:
TALBOT STREET ARENA
PHASE 1
NEW ARENA SUPERSTRUCTURE

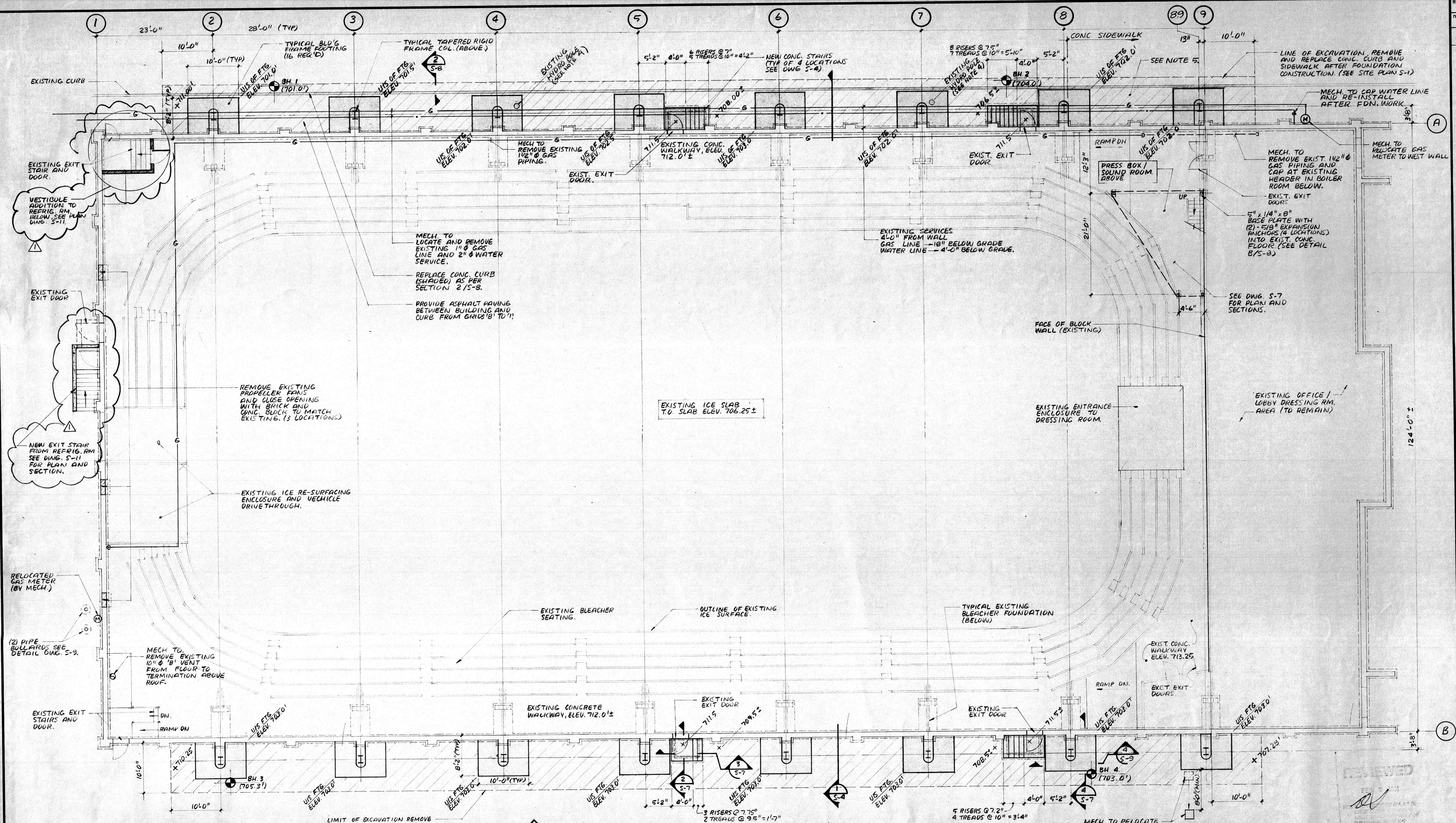
drawing title:
REFRIGERATION ROOM PLAN, EXIT STAIR AND VESTIBULE ADDITION

| | | | |
|---|---|---|---|
| drawn: | G.A.R. | scale: | AS |
| date: | JAN/91 | project number: | |
| checked: | E.K. | this set contains | DRAW |
| date: | JAN/91 | drawings | |

REVIEWED
FEB 07 1991
PER BUILDING DEPARTMENT
THIS DRAWING IS REVIEWED WITH THE INTENT OF THE ONTARIO BUILDING CODE

SA FLOOR PLANS
NOBJECT #90115
NOV/90 - JAN/91

E2




## DRAWING LEGEND

BH. 3 — BOREHOLE NO FROM SOIL REPORT.
( ) — MAX. UNDERSIDE OF FOOTING GEODETIC ELEVATION.
PROPOSED ELEVATION. — 711.5

## FOUNDATION PLAN

SCALE: 1/8" = 1FT

NOTE:

1. SEE STRUCTURAL NOTES, DWG. S-B
2. FOR ALL DEMOLITION WORK SEE DWG. S-10
3. UNDERSIDE OF FOOTING ELEVATION AS NOTED ON PLAN ABOVE
4. SIMCOE HYDRO TO REMOVE AND RELOCATE EXISTING WOODEN HYDRO POLES (2) AWAY FROM THE BUILDING.
5. NEW SIDEWALK CONSTRUCTION SHALL CONSIST OF 6" CONC. SLAB WITH 6 x 6 x 6/6 WWM. ON MIN. 4" THK 12" DEGRAN. TO FILL COMPACTED TO 95% PROCTOR DENSITY.
6. IF SEPARATE PRICE ACCEPTED, CO-ORDINATE UNDERGROUND STORM SEWER INSTALLATION WITH FOUNDATION WORK.
7. INSTALL ALL 8'-2" x 10'-0" CONC. FOOTINGS IN 2 PARTS AS PER SECTION 1/S-9 TO FACILITATE EXISTING BUILDING UNDERPINNING.
8. PROVIDE 2" CONCRETE SKIMCOAT (20 MPa CONC.) ON FOUNDING SUBGRADE UNDER ALL FOOTINGS IMMEDIATELY AFTER APPROVAL BY SOILS CONSULTANT.

| REVISIONS | | |
|---|---|---|
| no. | date | description |
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| 1 | JAN 25/90 | ISSUED AS POST TENDER ADDENDUM |

PRINTED
JAN 29 1991
group eight engineering limited


group eight engineering limited
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REGISTERED PROFESSIONAL ENGINEER
E. A. KOLODZIEJSKI
DEC/90
PROVINCE OF ONTARIO

project title:
TALBOT STREET ARENA
PHASE 1
NEW ARENA SUPERSTRUCTURE

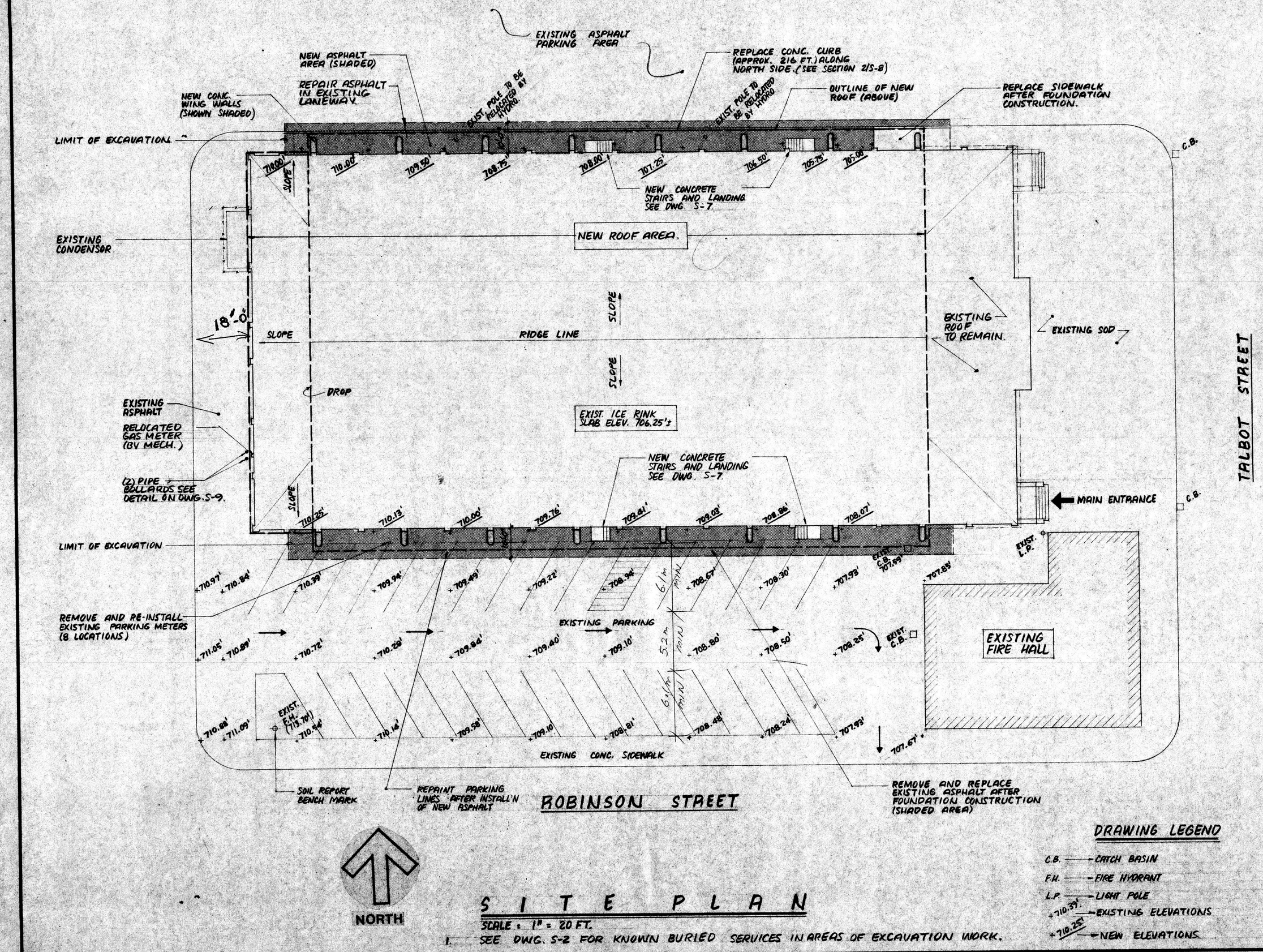
drawing title:
FOUNDATION / FLOOR PLAN

| | | | |
|---|---|---|---|
| drawn: | GAR | scale: | AS NOTED |
| date: | NOV 190 | project number: | 90115 |
| checked: | E K | | |
| date: | DEC. 13/90 | this set contains | DRAWING NUMBER: S-2 |
| | | drawings | Revision |

# TOWN OF SIMCOE

## TALBOT STREET ARENA

## PHASE 1 - NEW ARENA SUPERSTRUCTURE




### SITE PLAN

SCALE : 1" = 20 FT.

1. SEE DWG. S-2 FOR KNOWN BURIED SERVICES IN AREAS OF EXCAVATION WORK.

**DRAWING LEGEND**

C.B. — CATCH BASIN
F.H. — FIRE HYDRANT
L.P. — LIGHT POLE
×710.37' — EXISTING ELEVATIONS
×710.25' — NEW ELEVATIONS

**CODE AND SAFETY CRITERIA**

**NEW CONSTRUCTION**

1 FOR DETERMINATION OF NEW CONSTRUCTION O.B.C. REQUIREMENTS, EXISTING BUILDING IS CONSIDERED TO BE A GROUP A, DIVISION 3 OCCUPANCY, WITH A BUILDING AREA OF 2882 M² (31,000 FT.²).

2 BUILDING HEIGHT IS ONE STOREY BY VIRTUE OF O.B.C. CLAUSE 3.2.1.1 AND THE BUILDING HAS 3 STREET FIRE FIGHTING ACCESS.

3 WHERE NEW CONSTRUCTION IS PROVIDED, (IE: NEW ROOF SUPERSTRUCTURE) CONSTRUCTION CONFORMS TO O.B.C. CLAUSE 3.2.2.18. NEW SUPERSTRUCTURE SHALL BE NON-COMBUSTIBLE CONSTRUCTION, AND UN-SPRINKLERED.

**EXISTING CONSTRUCTION**

1. EXISTING BUILDING HAS UNDERGONE A FIRE CODE AUDIT FOR COMPLIANCE TO ONTARIO REGULATION 67/87 FIRE MARSHAL'S ACT-PART 9, RETROFIT. THE AUDIT WAS PERFORMED BY TOTTEN SIMS HUBICKI ASSOCIATES AND WAS DATED NOVEMBER 21ST. 1989.

2 THE OWNER HAS COMPLIED WITH MOST OF THE FIRE CODE DEFICIENCIES OUTLINED IN THE FIRE CODE AUDIT WITH THE EXCEPTION OF SOME ALARM PULL STATION AND EXIT LIGHT DEFICIENCIES IN THE ARENA. THESE DEFICIENCIES ARE BEING CORRECTED UNDER THIS CONTRACT.

3 ALL REMAINING CONSTRUCTION (IE: FRONT ENTRANCE BUILDING, SPECTATOR SEATING, RINK SLAB, MECHANICAL ROOMS ETC.,) TO THE BEST OF OUR KNOWLEDGE CONFORMS TO THE REQUIREMENTS OF THE ONTARIO FIRE CODE, PART 9 RETROFIT.

## STRUCTURAL DRAWING LIST


S-1 – SITE PLAN AND DRAWING LIST
S-2 – FOUNDATION / FLOOR PLAN
S-3 – BUILDING ELEVATIONS
S-4 – BUILDING SECTION AND DETAILS
S-5 – ROOF FRAMING PLAN
S-6 – SECTIONS AND DETAILS
S-7 – SECTIONS AND DETAILS
S-8 – SECTIONS AND DETAILS
S-9 – SECTIONS AND DETAILS
S-10 – DEMOLITION PLAN AND DETAILS


## MECHANICAL DRAWING LIST


M-1 – ARENA FLOOR PLAN
M-2 – MECHANICAL DETAILS


## ELECTRICAL DRAWING LIST


E-1 – DEMOLITION FOOR PLAN LTG. & DEVICES
E-2 – FLOOR PLAN NEW LTG. LAYOUT & DEVICES
E-3 – PART SITE PLAN, RISER AND DETAILS.


**REVIEWED**

JAN 25 1991

PHIN D. H. FERGUSSON O.A.A.T.O.
CHIEF BUILDING OFFICIAL
REGIONAL MUNICIPALITY OF
HALDIMAND NORFOLK

**REVISIONS**

| no. | date | description |
|---|---|---|
| 0 | DEC 13/90 | ISSUED FOR TENDER |

PRINTED
DEC 14 1990
group eight engineering limited

SET #18.


group eight engineering limited
627 main street east
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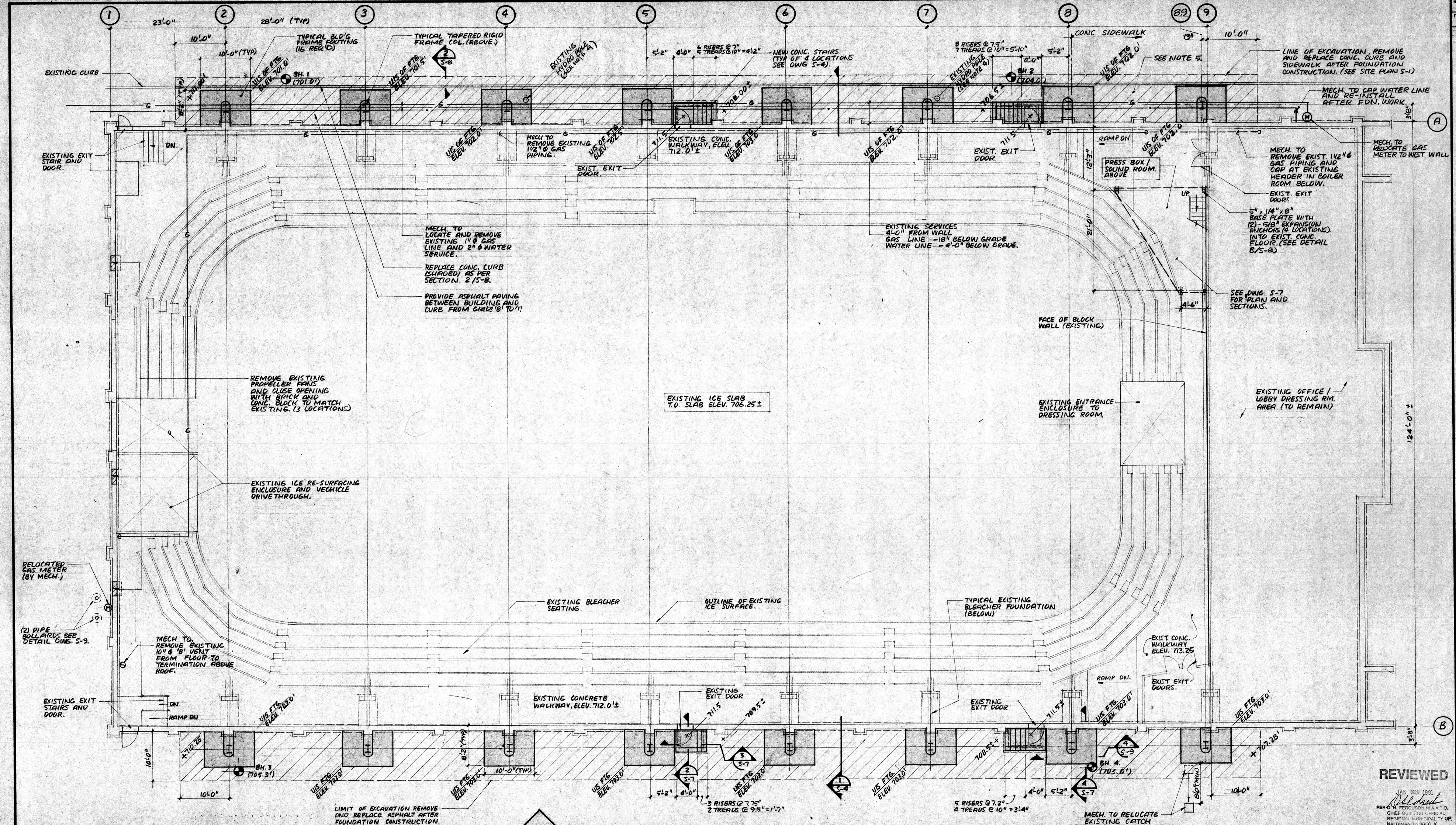
tel: (416) 525-8069


REGISTERED PROFESSIONAL ENGINEER
E. A. KOLODZIEJSKI
DEC/90
PROVINCE OF ONTARIO

project title:
TALBOT STREET ARENA
PHASE 1
NEW ARENA SUPERSTRUCTURE

drawing title:
SITE PLAN AND DRAWING LIST

drawn: N.Q.
date: NOV. 1/90
scale: AS NOTED
project number: 90115
checked: E.K.
date: DEC 13/90
This set contains
DRAWING NUMBER: S-1




## DRAWING LEGEND

BH.3 — BOREHOLE Nº FROM SOIL REPORT.
( ) — MAX. UNDERSIDE OF FOOTING GEODETIC ELEVATION.
PROPOSED ELEVATION. — 711.5

## FOUNDATION PLAN

SCALE: 1/8" = 1FT

NOTE:

1. SEE STRUCTURAL NOTES, DWG. S-8
2. FOR ALL DEMOLITION WORK SEE DWG. S-10
3. UNDERSIDE OF FOOTING ELEVATION AS NOTED ON PLAN ABOVE.
4. SIMCOE HYDRO TO REMOVE AND RELOCATE EXISTING WOODEN HYDRO POLES (2) AWAY FROM THE BUILDING.
5. NEW SIDEWALK CONSTRUCTION SHALL CONSIST OF 6" CONC. SLAB WITH 6 x 6 x 6/6 WWM. ON MIN'M 12" DEGRAN. 'A' FILL COMPACTED TO 95% PROCTOR DENSITY.
6. IF SEPARATE PRICE ACCEPTED, CO-ORDINATE UNDERGROUND STORM SEWER INSTALLATION WITH FOUNDATION WORK.
7. INSTALL ALL 8'-2" x 10'-0" CONC. FOOTINGS IN 2 PARTS AS PER SECTION 1/S-9 TO FACILITATE EXISTING BUILDING UNDERPINNING.
8. PROVIDE 2" CONCRETE SKIMCOAT (20 MPa CONC.) ON FOUNDING SUBGRADE UNDER ALL FOOTINGS IMMEDIATELY AFTER APPROVAL BY SOILS CONSULTANT.

REVIEWED
JAN 23 1991
PER O.H. PEDERSEN M.A.A.T.O.
CHIEF BUILDING OFFICIAL
REVIEW MUNICIPALITY OF HALDIMAND NORFOLK

REVISIONS

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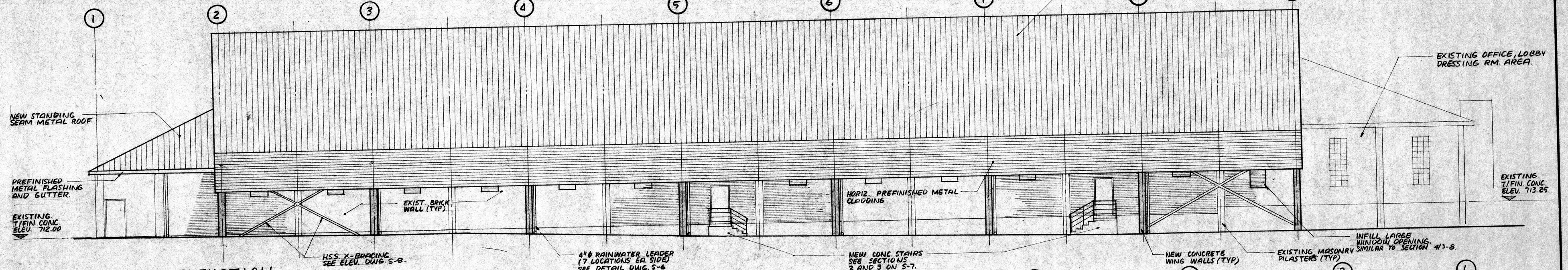
REGISTERED PROFESSIONAL ENGINEER
E. A. KOLODZIEJSKI
DEC/90
PROVINCE OF ONTARIO

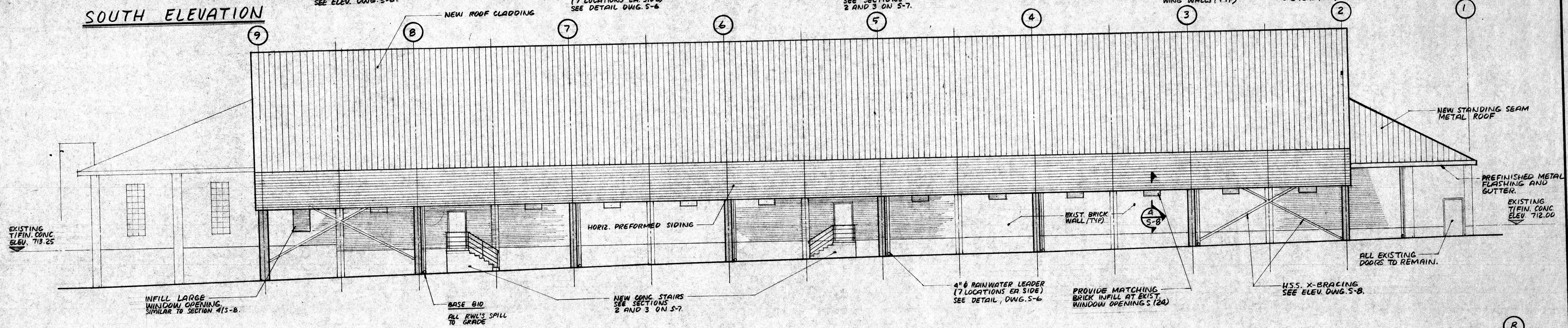
project title:
TALBOT STREET ARENA
PHASE 1
NEW ARENA SUPERSTRUCTURE

drawing title:
FOUNDATION / FLOOR PLAN

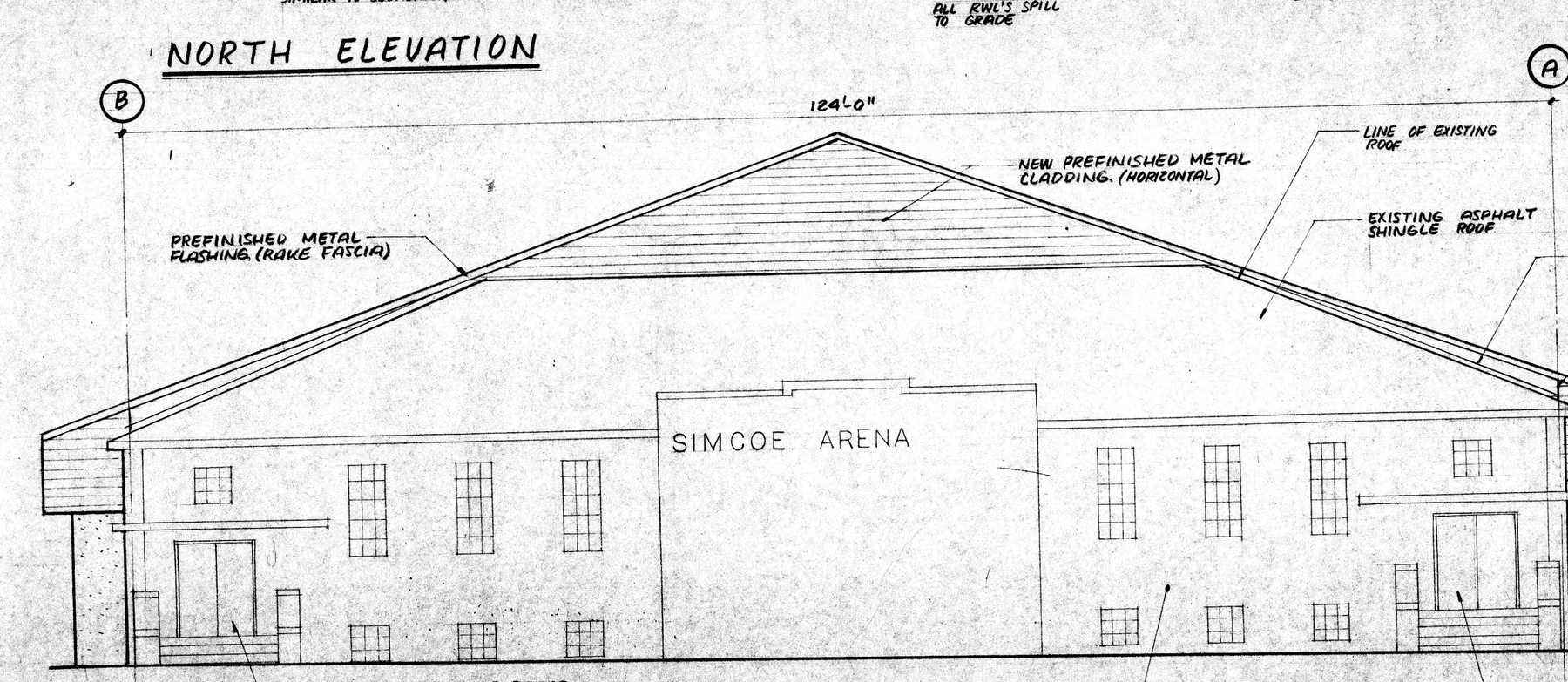
drawn: G.A.R
date: NOV 190
scale: AS NOTED
project number: 90115
checked: E.K.
date: DEC. 13/90
this set contains: drawings
DRAWING NUMBER: S-2
revision



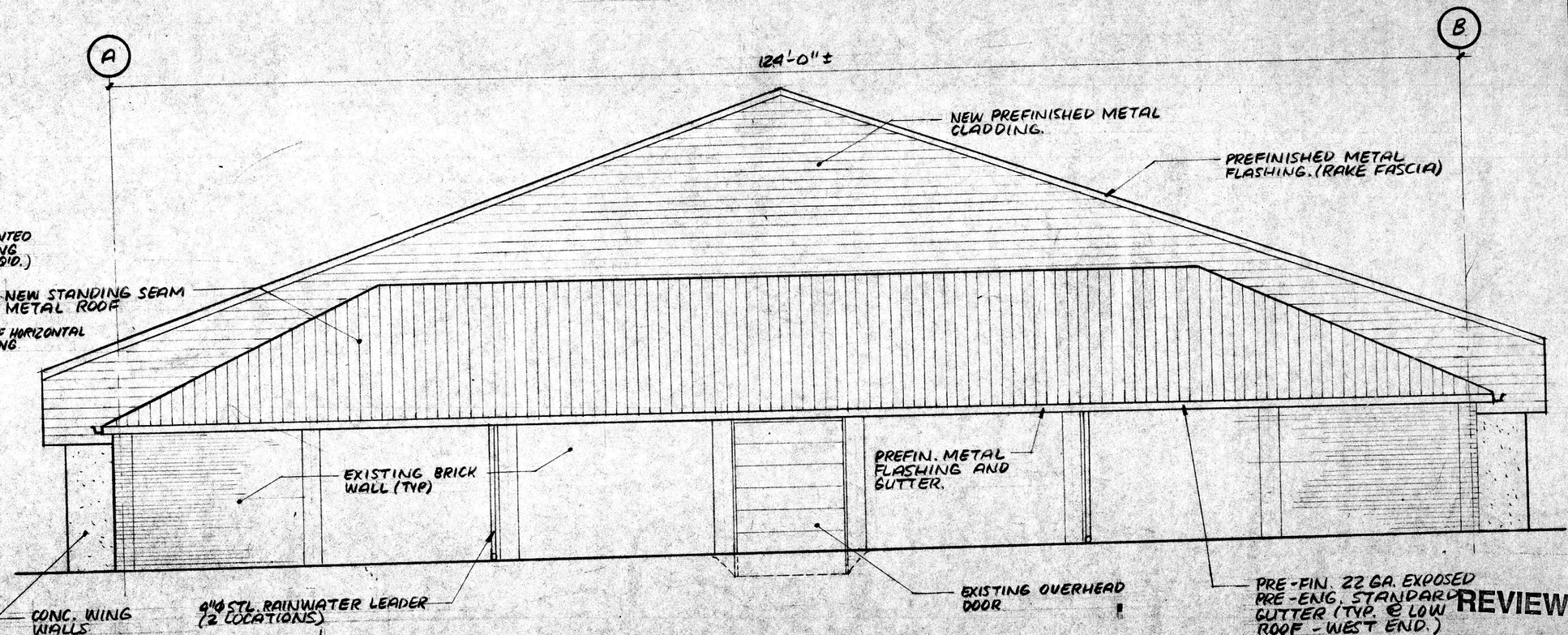

SOUTH ELEVATION




NORTH ELEVATION




EAST ELEVATION (FACING TALBOT ST.)




WEST ELEVATION

REVIEWED
JAN. 29 1991
PER D. H. FERGUSON M.A.A.O.
CHIEF BUILDING OFFICIAL
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HALDIMAND-NORFOLK

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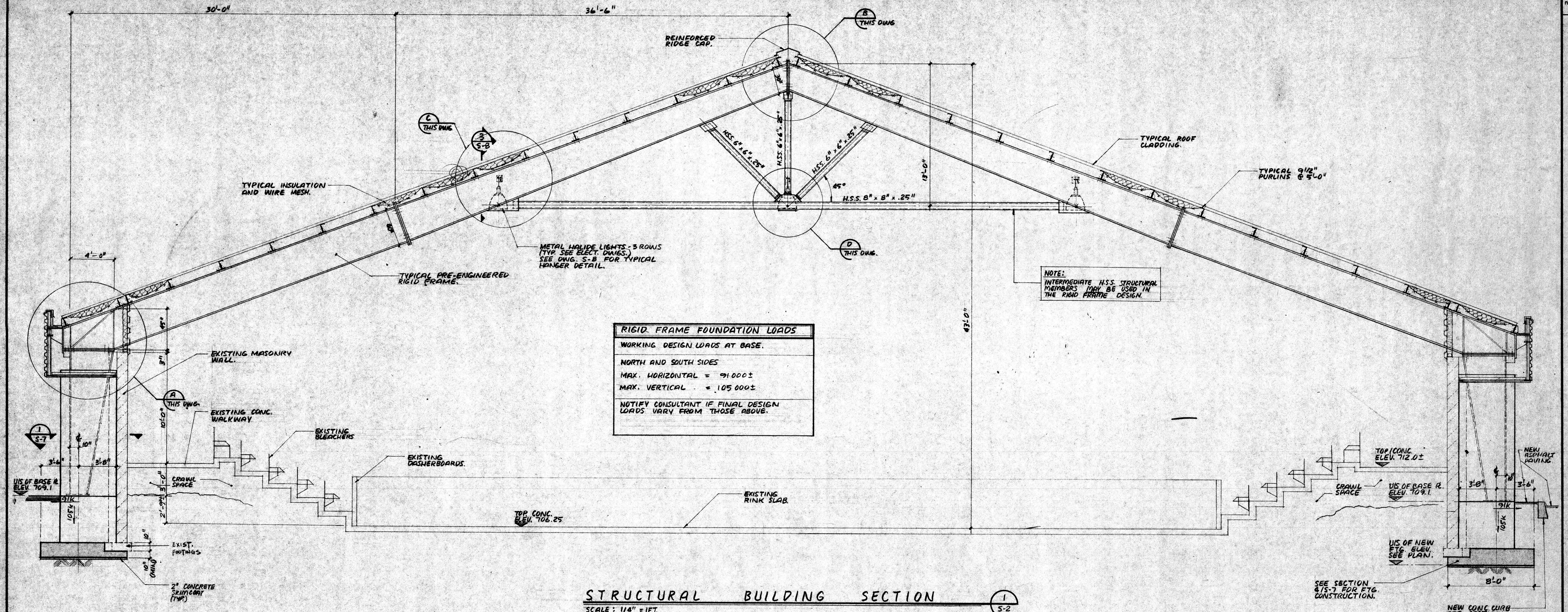
REGISTERED PROFESSIONAL ENGINEER
E. K. KOLODZIEJSKI
DEC/90
PROVINCE OF ONTARIO

project title:
TALBOT STREET ARENA
PHASE 1
NEW ARENA SUPERSTRUCTURE

drawing title:
ELEVATIONS

| | |
|---|---|
| drawn: G.A.R | scale: 1/8" = 1FT |
| date: NOV. 190 | project number: 90115 |
| checked: E.K | |
| date: DEC. 13/90 | DRAWING NUMBER: S-3 |




| RIGID FRAME FOUNDATION LOADS |
|---|
| WORKING DESIGN LOADS AT BASE. |
| NORTH AND SOUTH SIDES |
| MAX. HORIZONTAL = 91.000± |
| MAX. VERTICAL = 105.000± |
| NOTIFY CONSULTANT IF FINAL DESIGN LOADS VARY FROM THOSE ABOVE. |

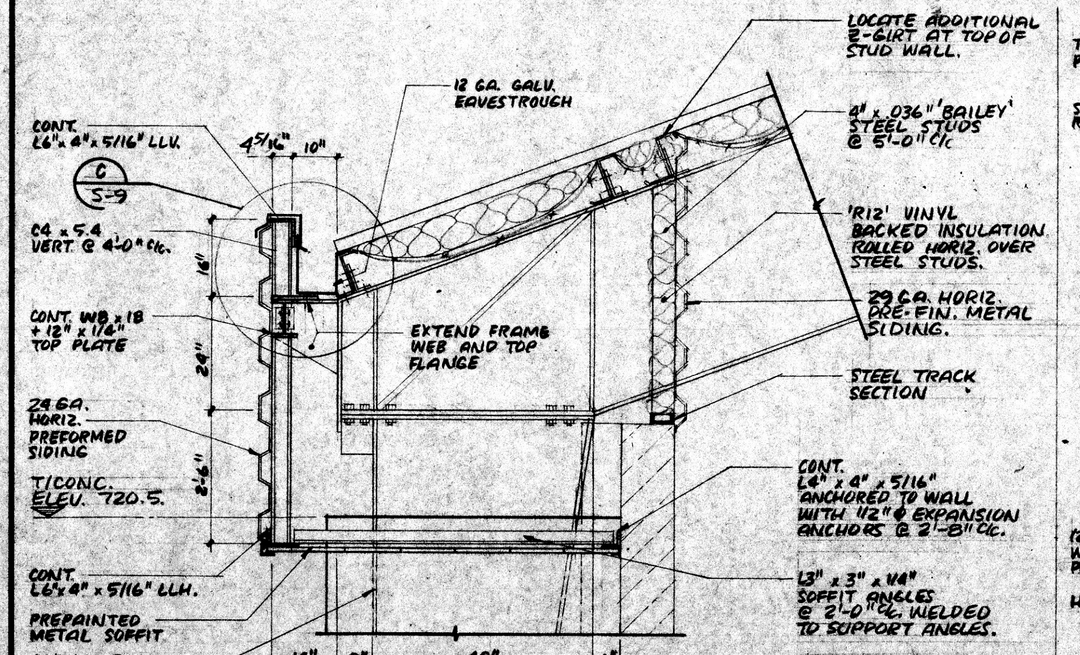
## STRUCTURAL BUILDING SECTION

1 / S-2

SCALE: 1/4" = 1FT.

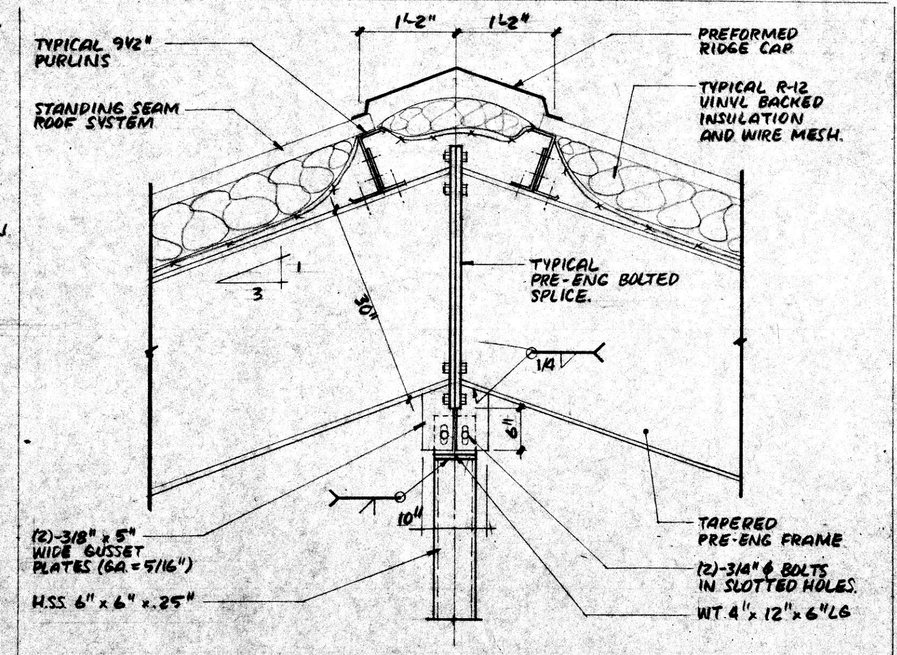
NOTE:

1. SEE STRUCTURAL NOTES DWG. S-8.
2. RIGID FRAME DIMENSIONS ARE TO BE MAINTAINED.
3. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH FABRICATION.



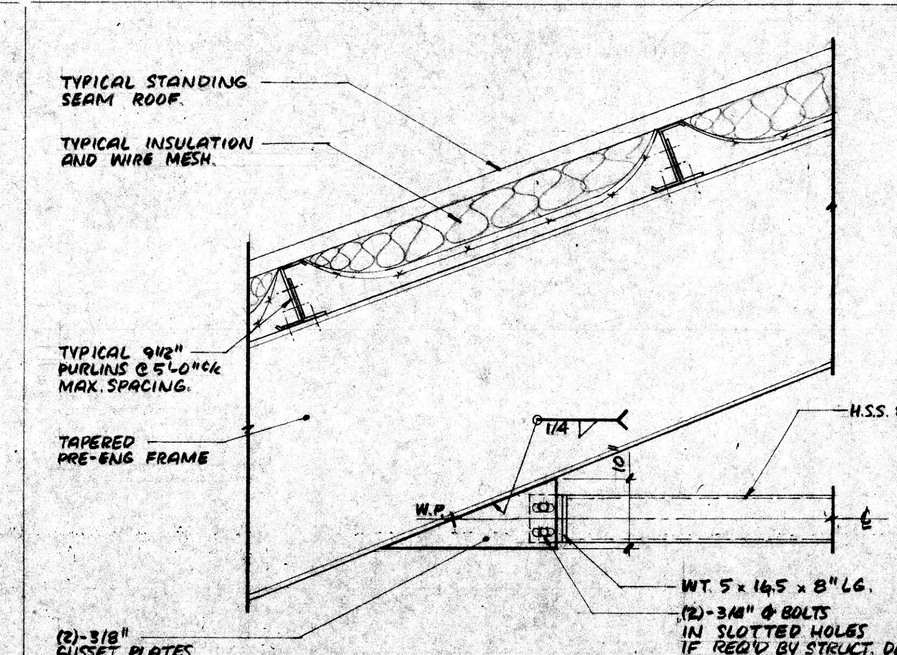

### DETAIL

SCALE: 1/8" = 1FT. — A / THIS DWG



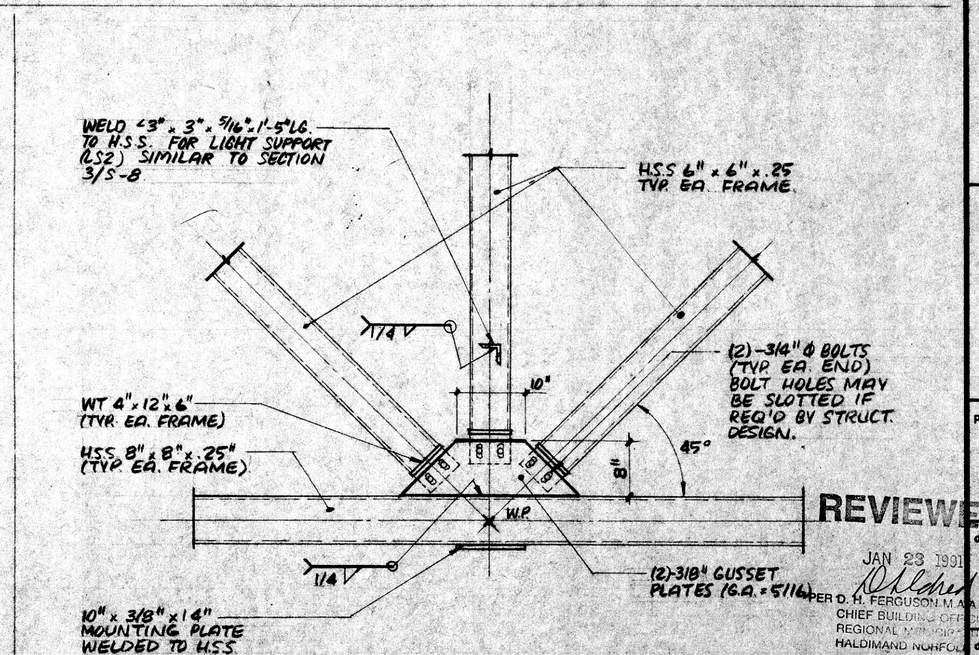

### DETAIL

SCALE: 3/4" = 1FT — B / THIS DWG




### DETAIL

SCALE: 3/4" = 1FT — C / THIS DWG




NOTE: LIGHT FIXTURE NOT SHOWN FOR CLARITY

### DETAIL

SCALE: 3/4" = 1FT — D / THIS DWG.

| REVISIONS | | |
|---|---|---|
| no. | date | description |
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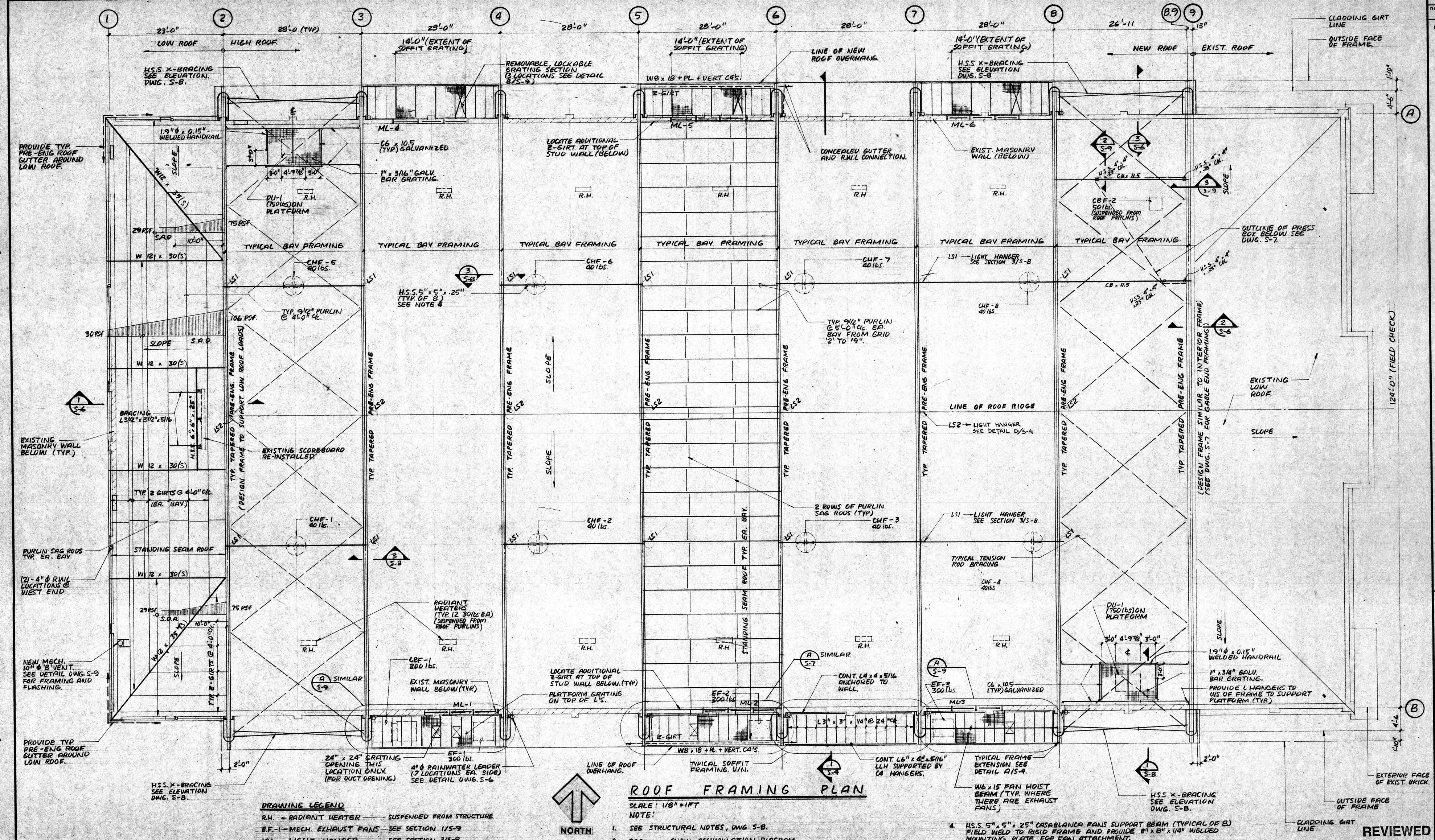
REGISTERED PROFESSIONAL ENGINEER E. A. KOLODZIEJSKI DEC/90 PROVINCE OF ONTARIO

project title:
TALBOT STREET ARENA
PHASE 1
NEW ARENA SUPERSTRUCTURE

drawing title:
BUILDING SECTION AND DETAILS

REVIEWED
JAN 23 1991
PER D. R. FERGUSON, P.ENG.
CHIEF BUILDING OFFICIAL
REGIONAL MUNICIPALITY OF HALDIMAND-NORFOLK

| | | | |
|---|---|---|---|
| job no. | | scale: | AS NOTED |
| drawn: | G.AR | | |
| date: | NOV. 190 | project number: | 90115 |
| checked: | E.K. | title and number: | DRAWING NUMBER: S-4 |
| date: | DEC. 13/90 | drawings | Revision |




## ROOF FRAMING PLAN

SCALE: 1/8" = 1FT

NOTE:

1. SEE STRUCTURAL NOTES, DWG. S-B.
2. SAD — SNOW ACCUMULATION DIAGRAM. W12x30(S) → SLOPED STRUCTURAL MEMBER.
3. FIELD CHECK ALL EXISTING BUILDING DIMENSIONS PRIOR TO FABRICATION OF STRUCTURE.
4. H.S.S. 5" x 5" x .25" CASABLANCA FANS SUPPORT BEAM (TYPICAL OF 8) FIELD WELD TO RIGID FRAME AND PROVIDE 8" x 8" x 1/4" WELDED MOUNTING PLATE FOR FAN ATTACHMENT.

### DRAWING LEGEND

R.H. — RADIANT HEATER — SUSPENDED FROM STRUCTURE
EF-1 — MECH. EXHAUST FANS — SEE SECTION 1/S-9
LS1 — LIGHT HANGER — SEE SECTION 3/S-8
LS2 — LIGHT HANGER. — SEE DETAIL D/S-4
CHF-1 — CASABLANCA FANS — SUPPORTED BY H.S.S. BEAMS
DU-1 — DE-HUMIDIFIER — SEE SECTION
ML-1 — MOTERIZED WALL LOUVRE, SEE MECH DWGS. PROVIDE FRAMED STEEL STUD OPENING.

REVIEWED
JAN. 23 1991
PER G. H. FERGUSON B.A.A.T.O.
CHIEF BUILDING OFFICIAL
REGIONAL MUNICIPALITY OF HALDIMAND NORFOLK

| REVISIONS | | |
|---|---|---|
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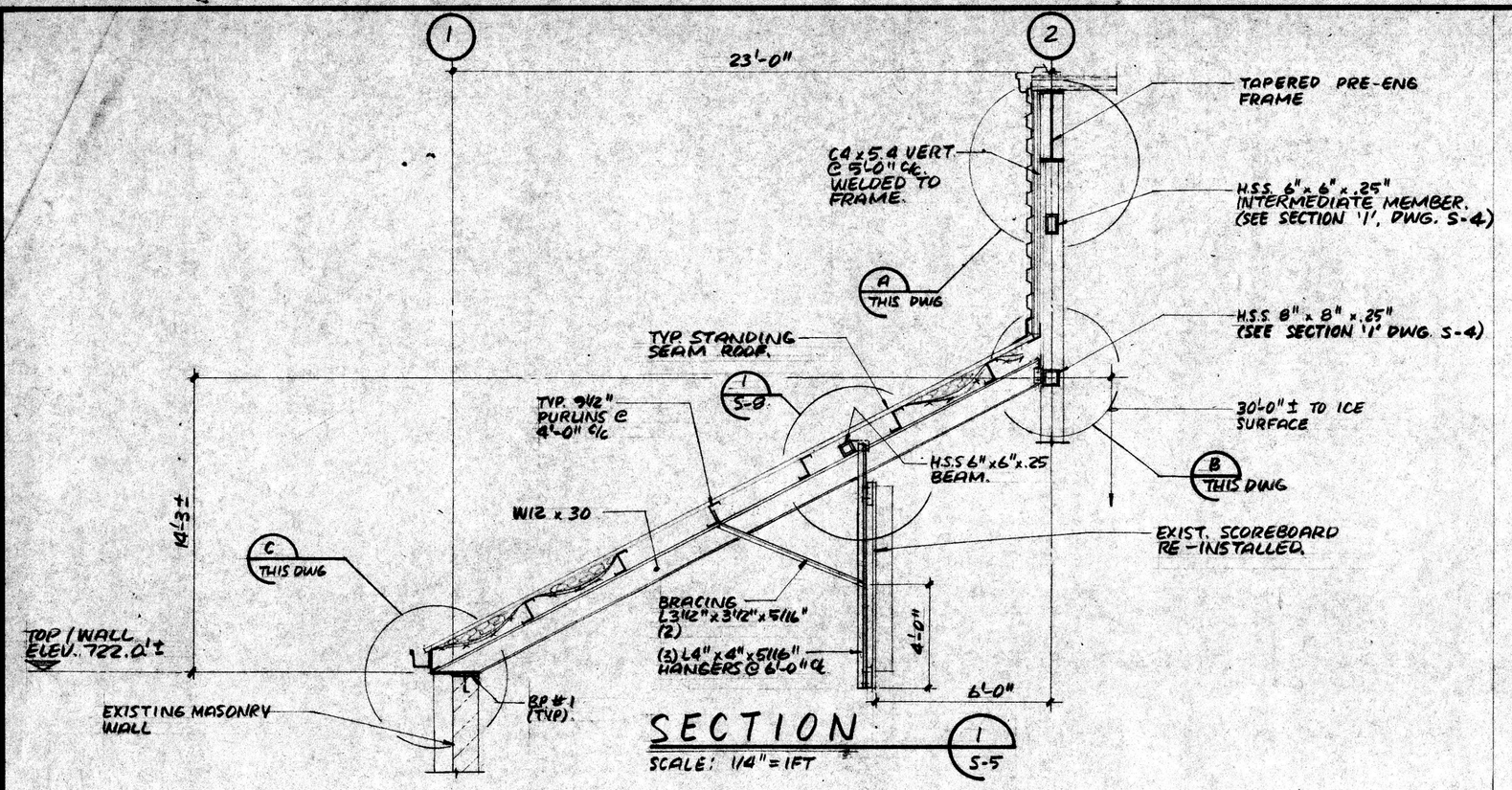
group eight engineering limited
627 main street east
hamilton ontario
tel: (416) 525-6069


REGISTERED PROFESSIONAL ENGINEER E. A. KOLODZIEJSKI DEC/90 PROVINCE OF ONTARIO

project title:
TALBOT STREET ARENA
PHASE 1
NEW ARENA SUPERSTRUCTURE

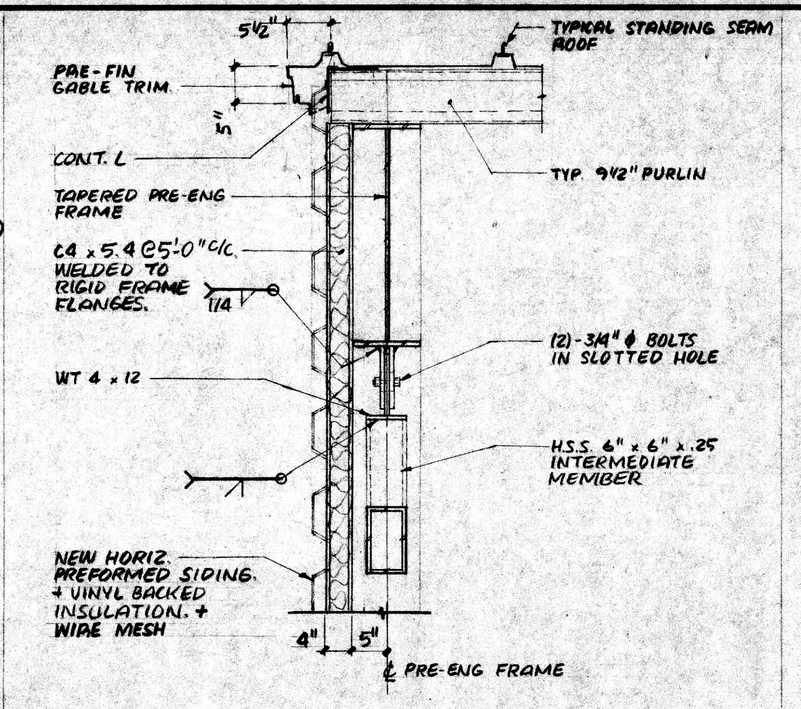
drawing title:
ROOF FRAMING

| | |
|---|---|
| drawn: G.A.R | scale: AS NOTED |
| date: NOV. 1/90 | project number: 90115 |
| checked: E.K. | DRAWING NUMBER: S-5 |
| date: DEC 13/90 | |




SECTION 1 S-5

SCALE: 1/4" = 1FT




DETAIL A THIS DWG

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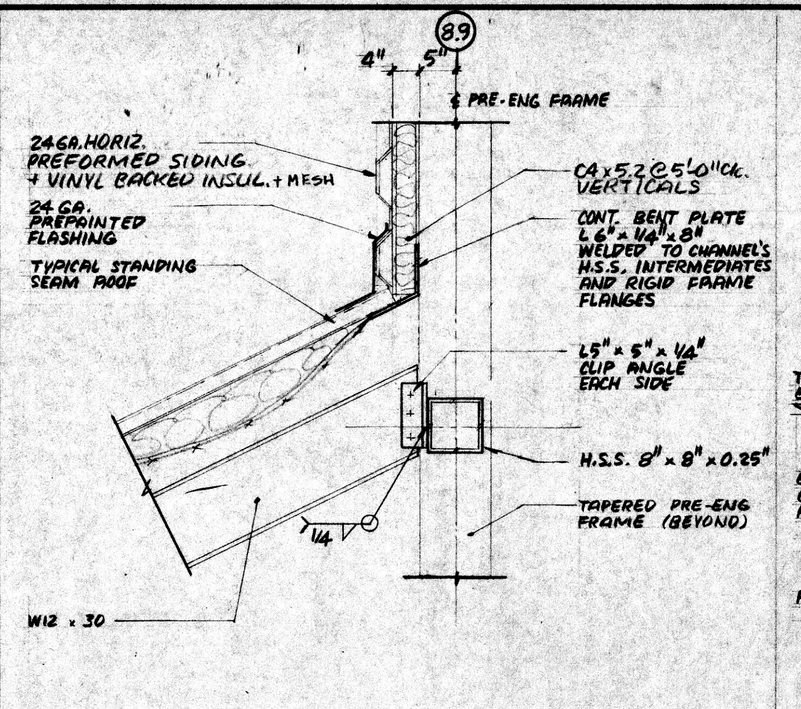


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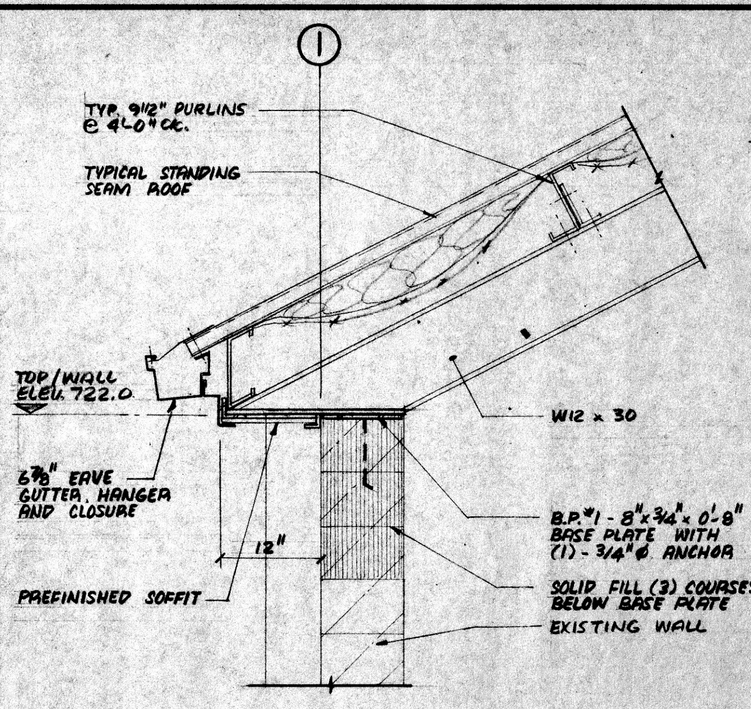


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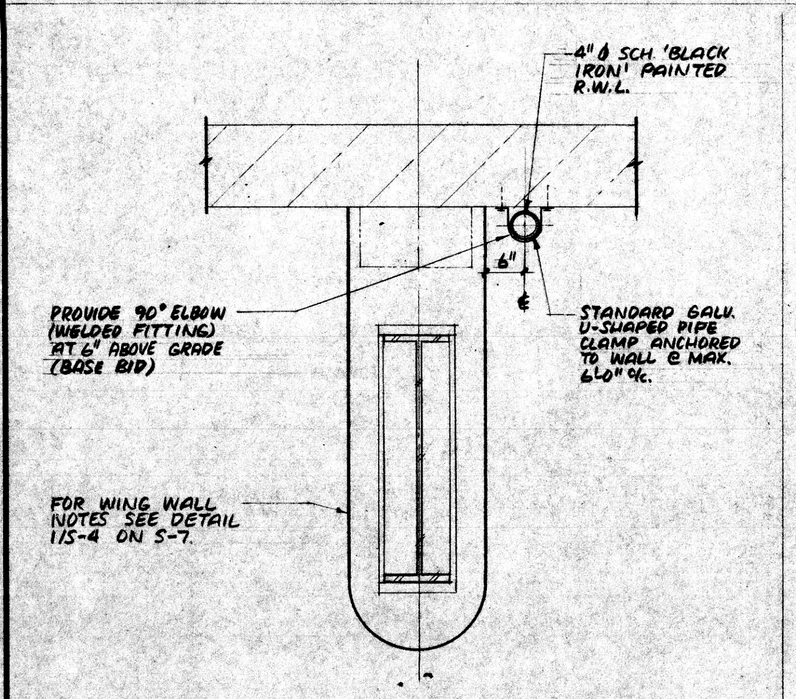
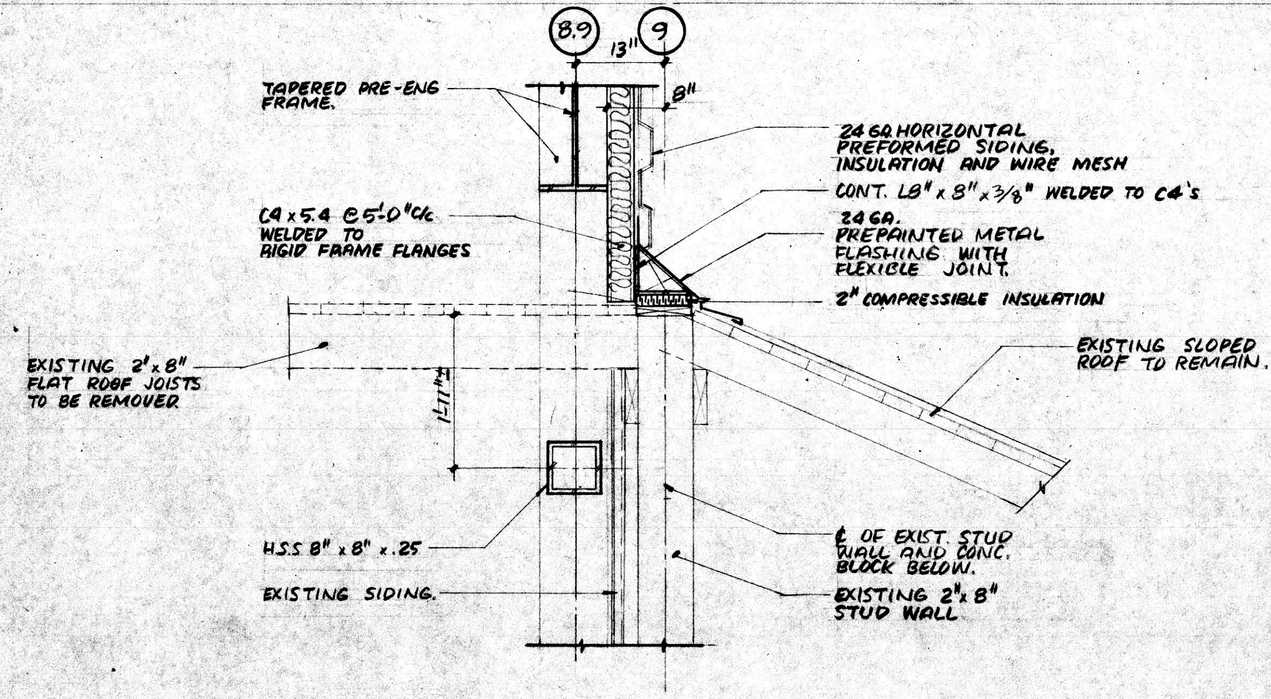


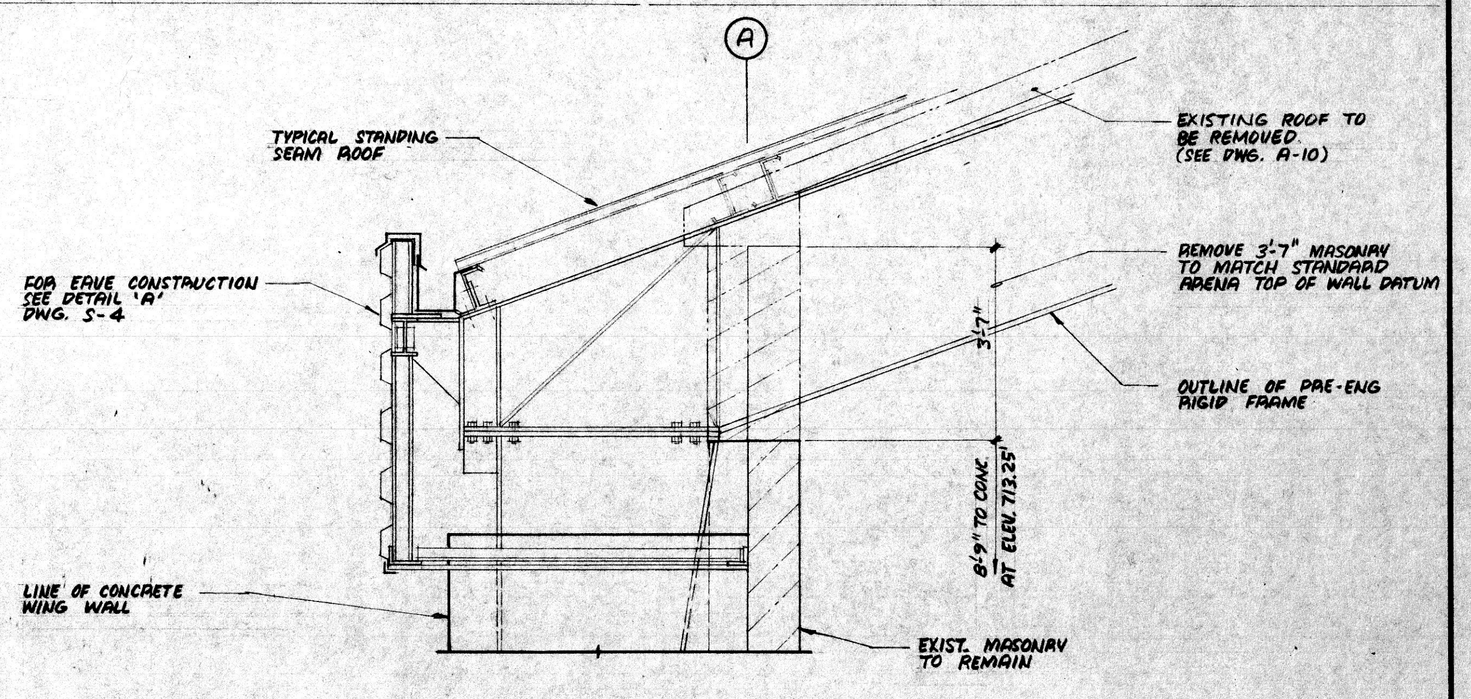

TYPICAL R.W.L DETAIL

SCALE: 3/4" = 1FT



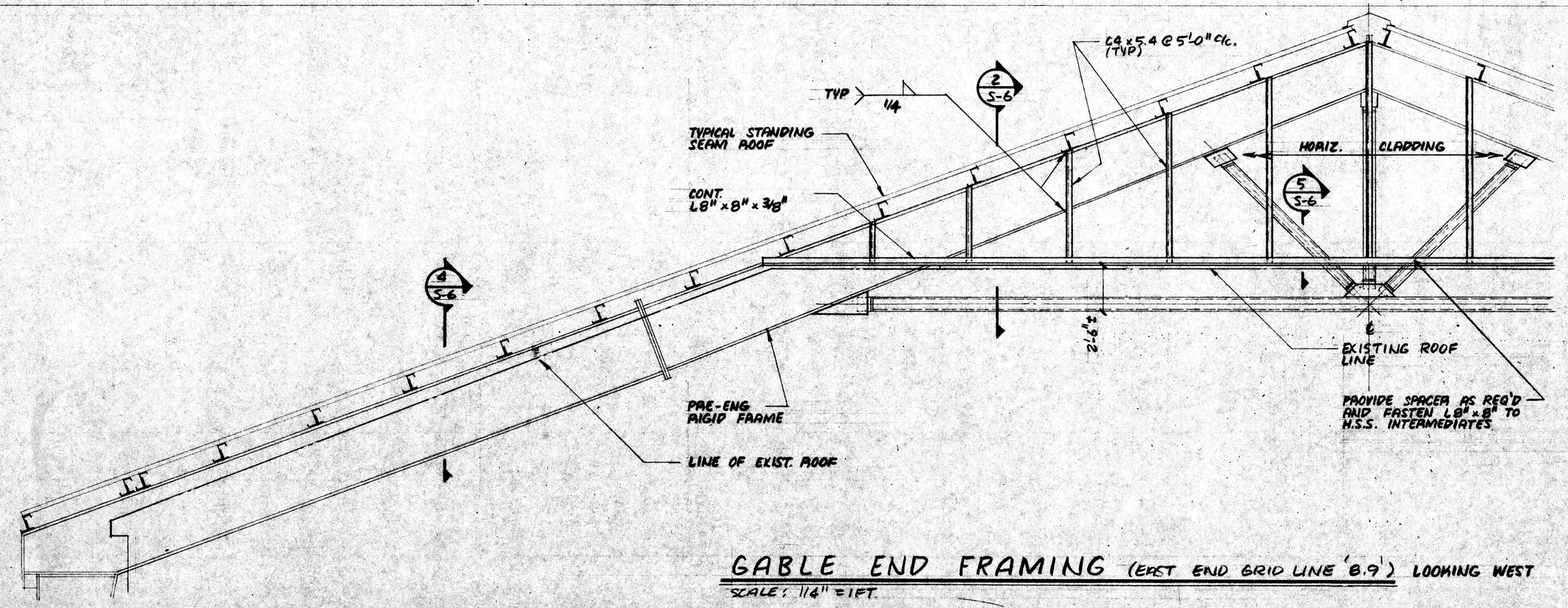

SECTION 2 S-5, S-6

SCALE: 3/4" = 1FT



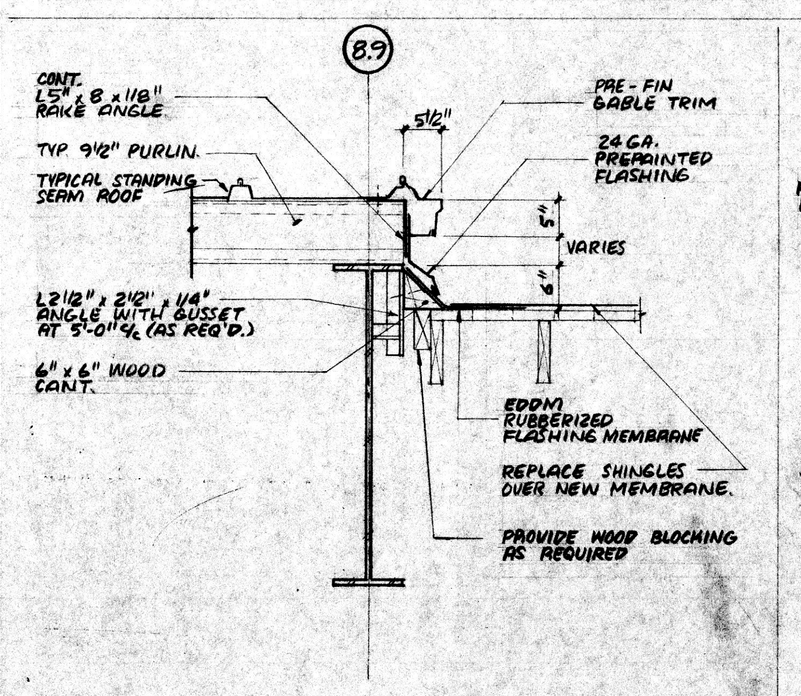

SECTION 3 S-5.

SCALE: 1/2" = 1FT



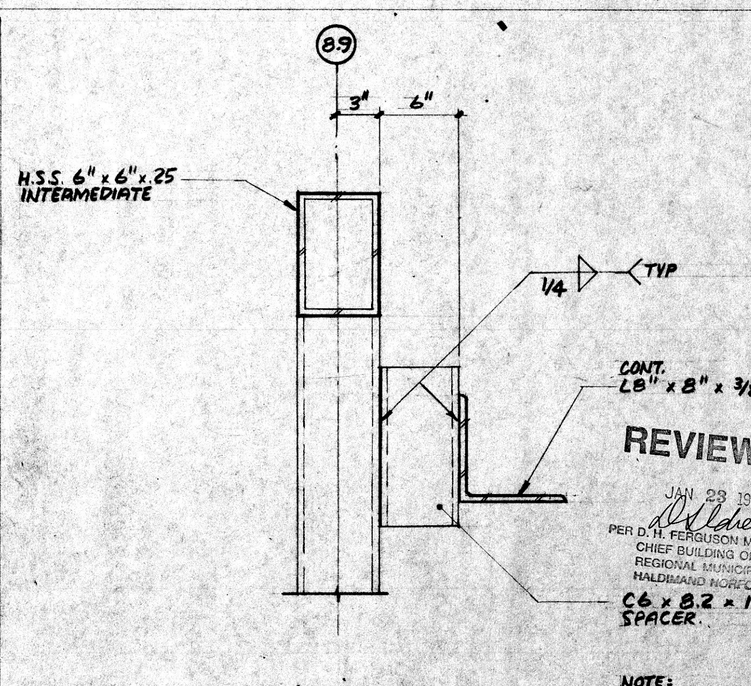

GABLE END FRAMING (EXIST END GRID LINE '8.9') LOOKING WEST

SCALE: 1/4" = 1FT.




SECTION 4 S-6

SCALE: 3/4" = 1FT




SECTION 5 S-6

SCALE: 1/2" = 1FT.

REVIEWED

JAN 23 1991

PER D.N. FERGUSON M.A.A.T.O.
CHIEF BUILDING OFFICIAL
REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

NOTE:
CLADDING AND ROOFING NOT SHOWN FOR CLARITY

| REVISIONS | | |
|---|---|---|
| no. | date | description |
| 0 | DEC 13/90 | ISSUED FOR TENDER |

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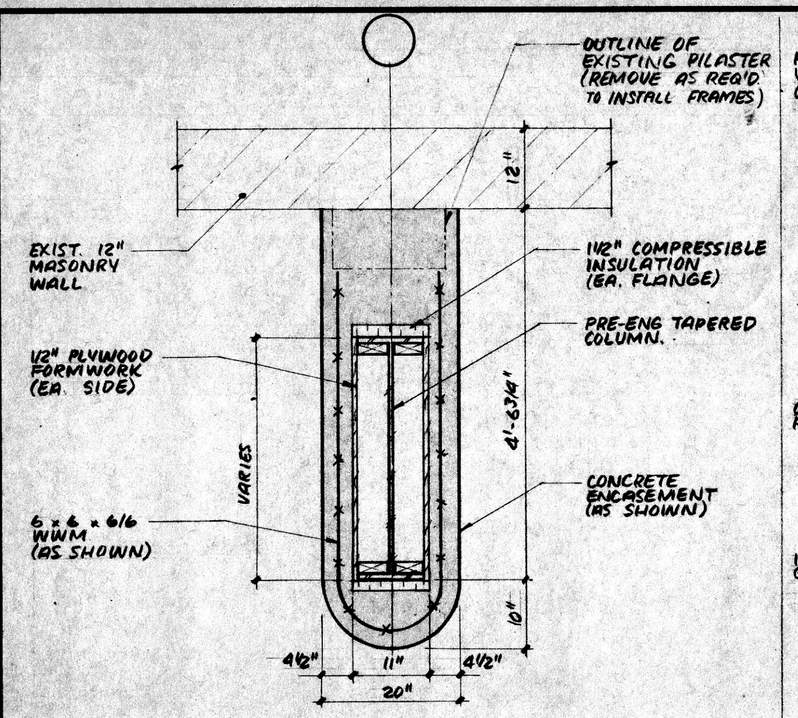
REGISTERED PROFESSIONAL ENGINEER PROVINCE OF ONTARIO
E. A. KOLODZEJSKI
DEC. 13/90

project title:
TALBOT STREET ARENA
PHASE 1
NEW ARENA SUPERSTRUCTURE

drawing title:
SECTIONS AND DETAILS

| | | | |
|---|---|---|---|
| drawn: | B.A.R | scale: | AS NOTED |
| date: | NOV 190 | project number: | 90115 |
| checked: | E.K. | | |
| date: | DEC 13/90 | This set contains | DRAWING NUMBER: S-6 |
| | | drawings | Revisions |




SECTION 1 S-4
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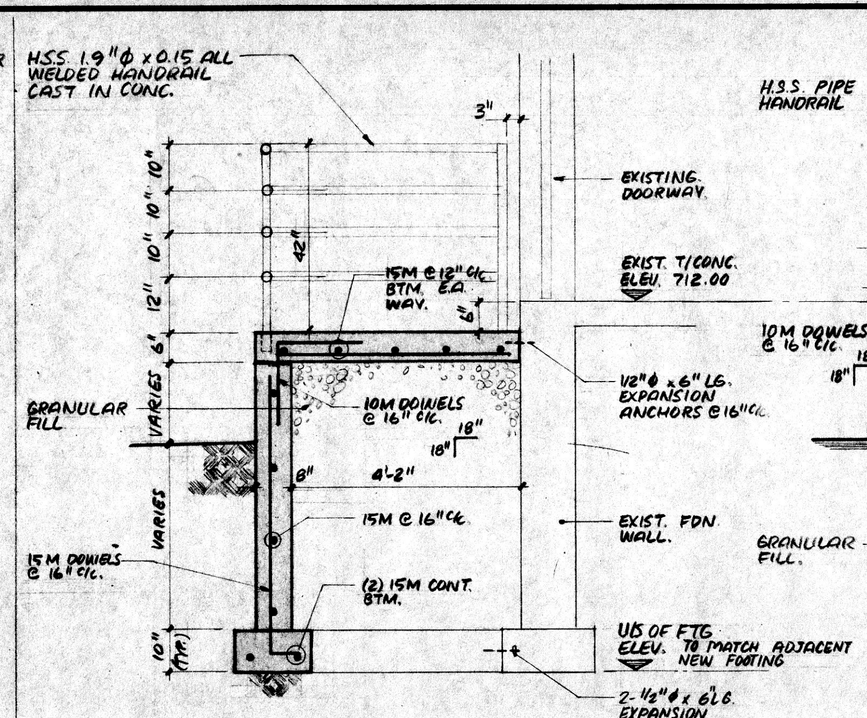


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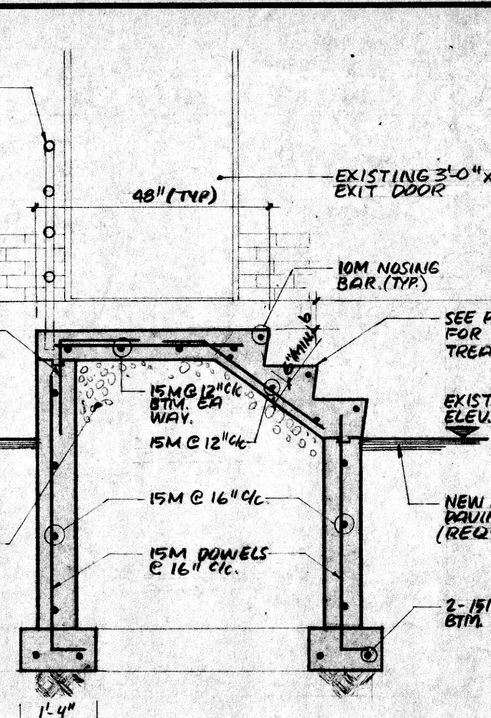
SCALE: 1/2" = 1FT




SECTION 3 S-2
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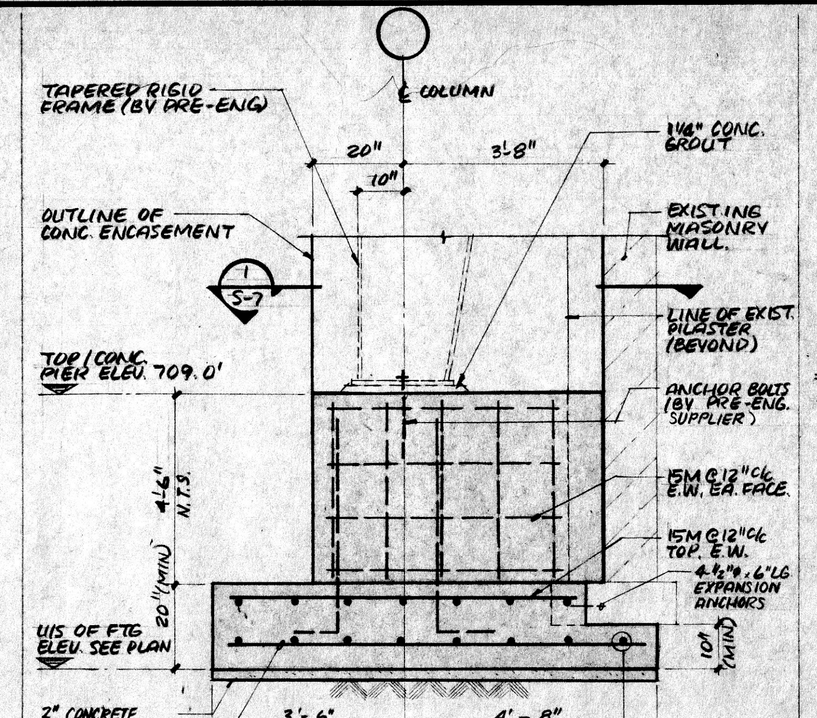
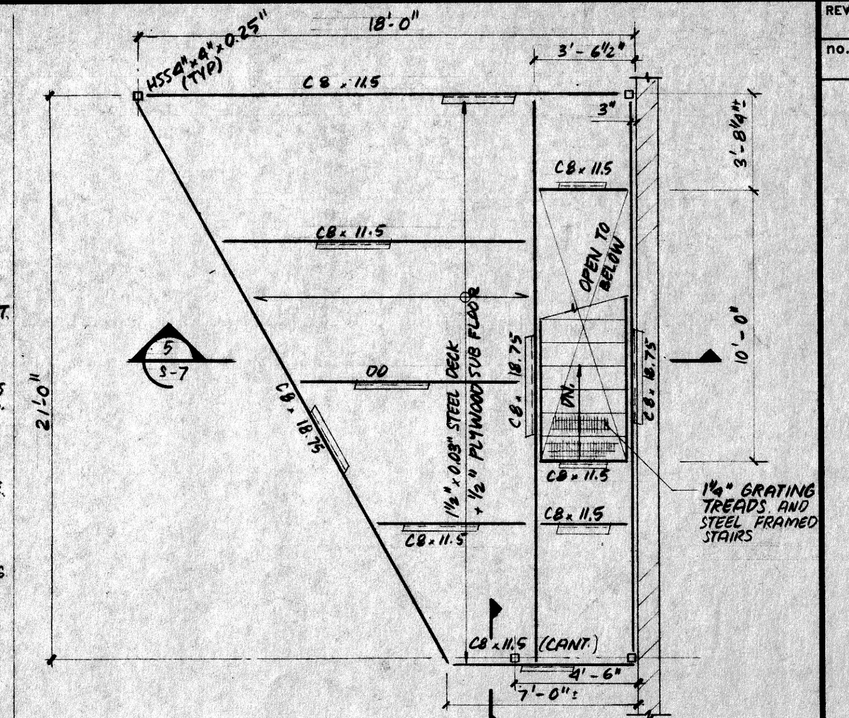



SECTION 4 S-2
SCALE: 1/2" = 1FT.

NOTE:
1. FOR ESTIMATING PURPOSES ASSUME UNDERSIDE OF EXISTING BUILDING FOOTINGS AT ELEVATION 704.50'
2. SEE SECTION 4/S-9 FOR ADDITIONAL FOOTING CONSTRUCTION REQUIREMENTS.



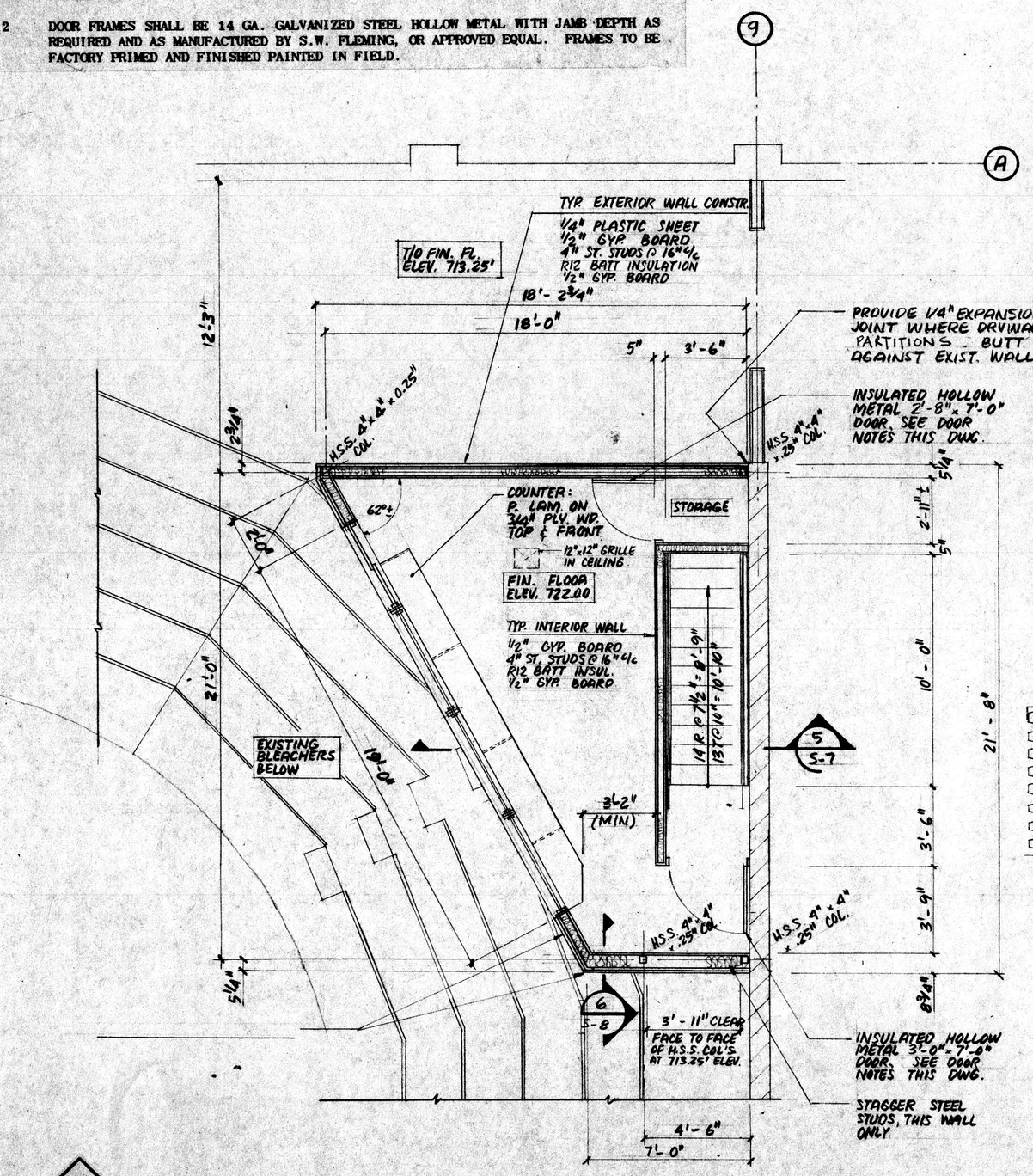

STRUCT. FRAMING PLAN (PRESS BOX/SOUND BOX)
SCALE: 1/4" = 1FT.

1. TOP OF STEEL FRAMING AT 8'-7" ABOVE FINISHED CONC. FLOOR BELOW.
2. EXTEND 4-H.S.S. COLUMNS TO UNDERSIDE OF ROOF STRUCTURE.

NORTH

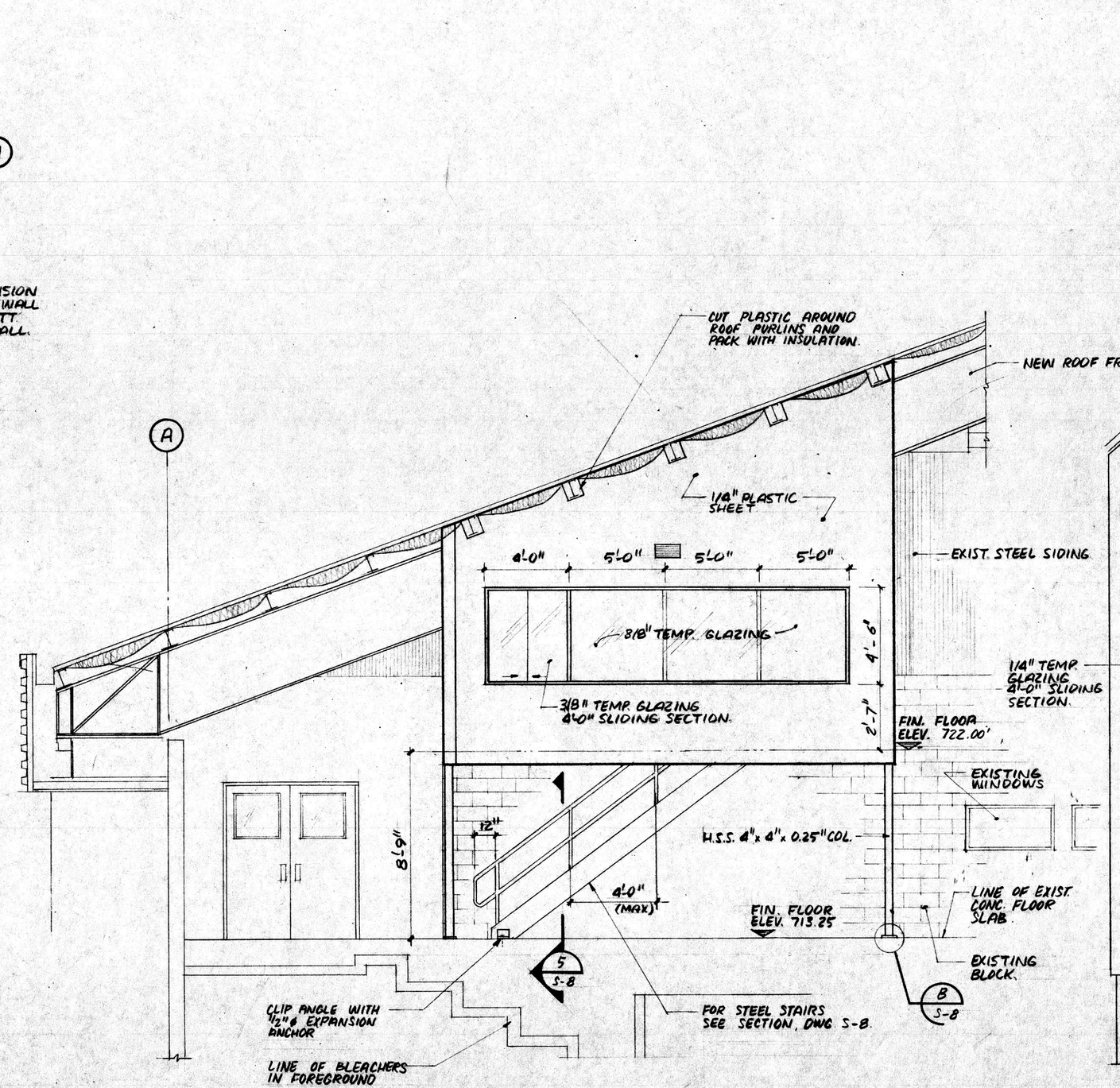
**DOORS**

1. HOLLOW METAL DOORS SHALL BE 16 GA. GALVANIZED STEEL 1-3/4" THICK INTERNALLY REINFORCED, FILLED WITH SEMI-RIGID FIBREGLAS INSULATION AND REINFORCED FOR HARDWARE. DOORS TO BE EQUAL TO S.W. FLEMING H16 SERIES. DOORS TO BE FACTORY PRIMED AND FINISHED PAINTED IN FIELD.
2. DOOR FRAMES SHALL BE 14 GA. GALVANIZED STEEL HOLLOW METAL WITH JAMB DEPTH AS REQUIRED AND AS MANUFACTURED BY S.W. FLEMING, OR APPROVED EQUAL. FRAMES TO BE FACTORY PRIMED AND FINISHED PAINTED IN FIELD.

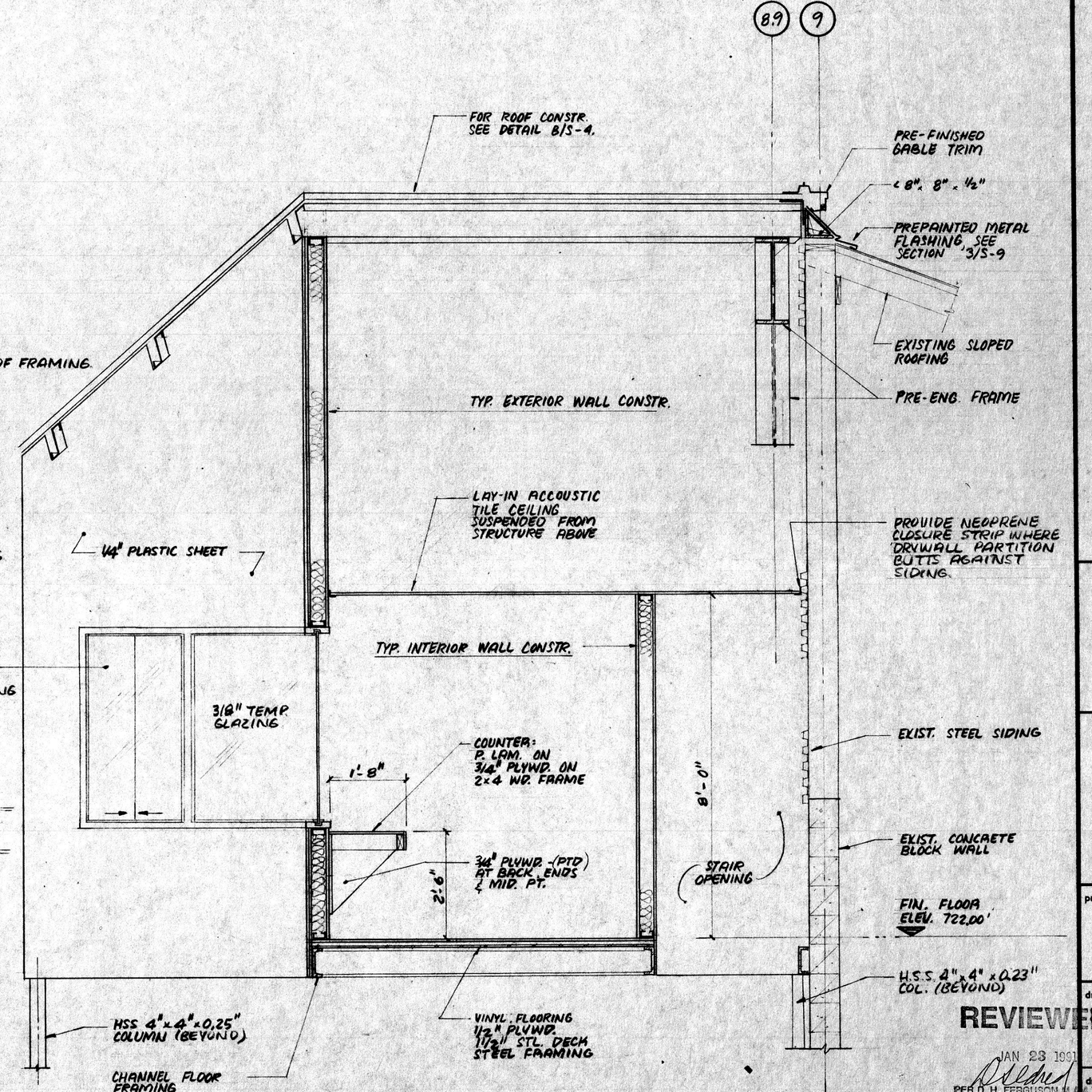



PLAN - PRESS BOX / SOUND BOOM
SCALE: 1/4" = 1FT.

NORTH




WEST ELEVATION
SCALE: 1/4" = 1FT.




SECTION 5 S-7
SCALE: 1/2" = 1FT.

NOTE: VINYL FLOORING TO BE "ARMSTRONG CROSSWALK" GLUED TO PLYWOOD SUBFLOOR IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION.

REVISIONS

| no. | date | description |
|---|---|---|

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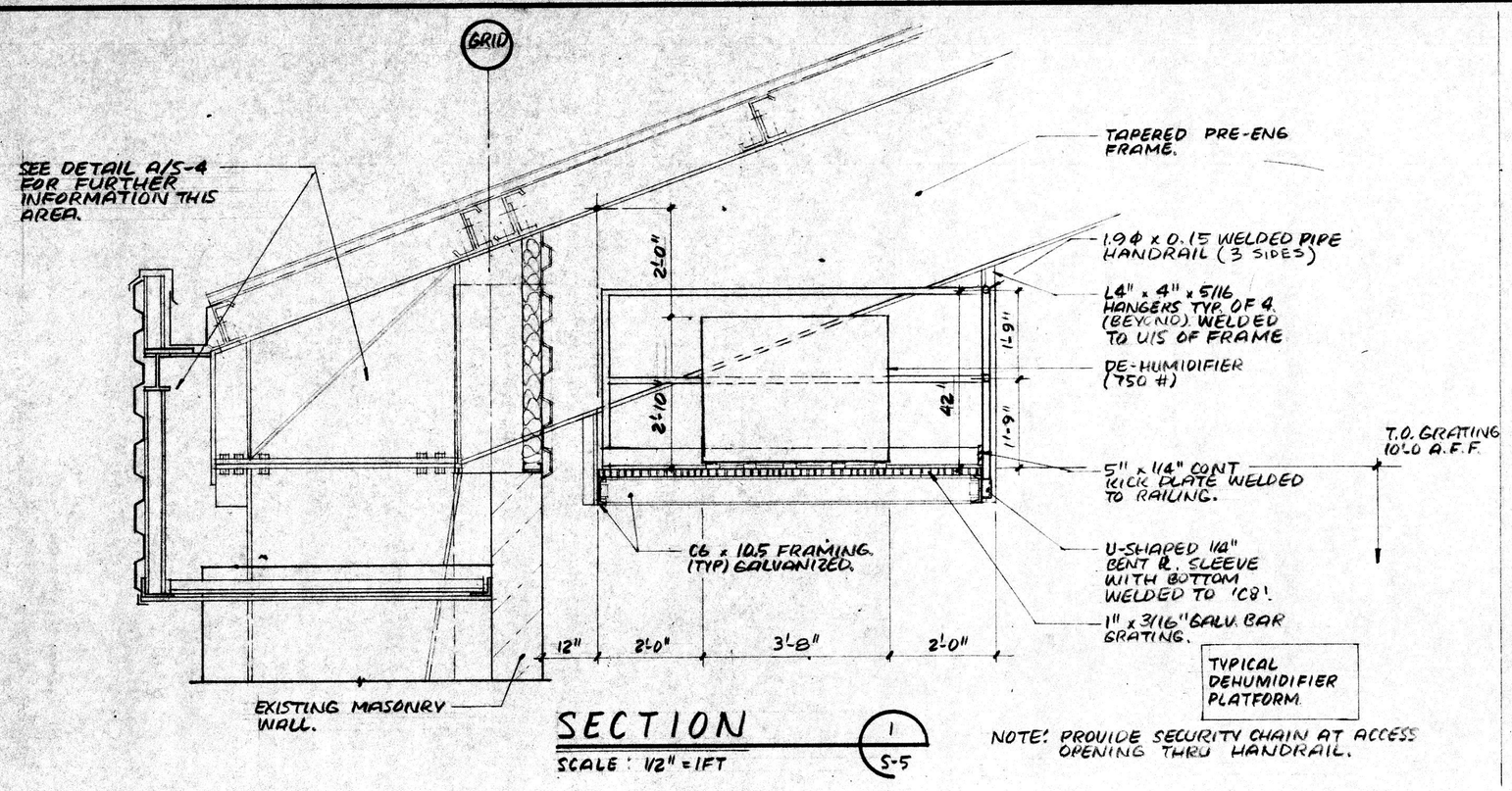
SECTIONS AND DETAILS

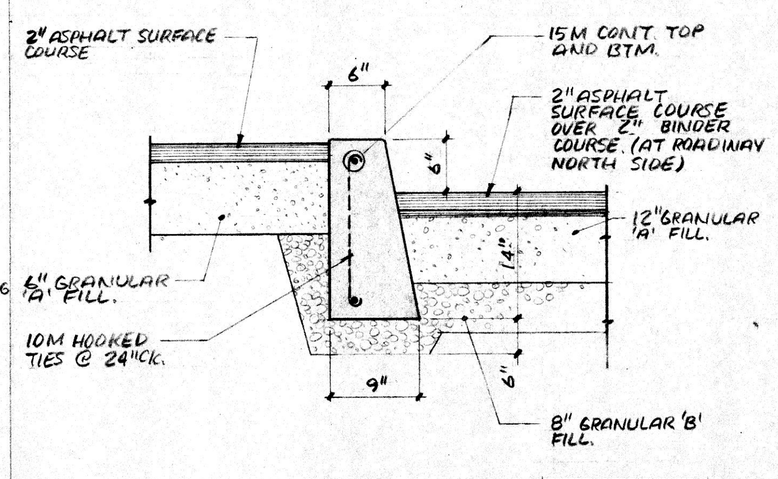
REVIEWED
JAN 23 1991
PER D.H. FERGUSSON P.ENG.
CHIEF BUILDING OFFICIAL
REGION OF HALDIMAND-NORFOLK

drawn: G.A.R
checked: E.K.
date: DEC 13/90
scale: AS NOTED
project number: 90115
DRAWING NUMBER: S-7



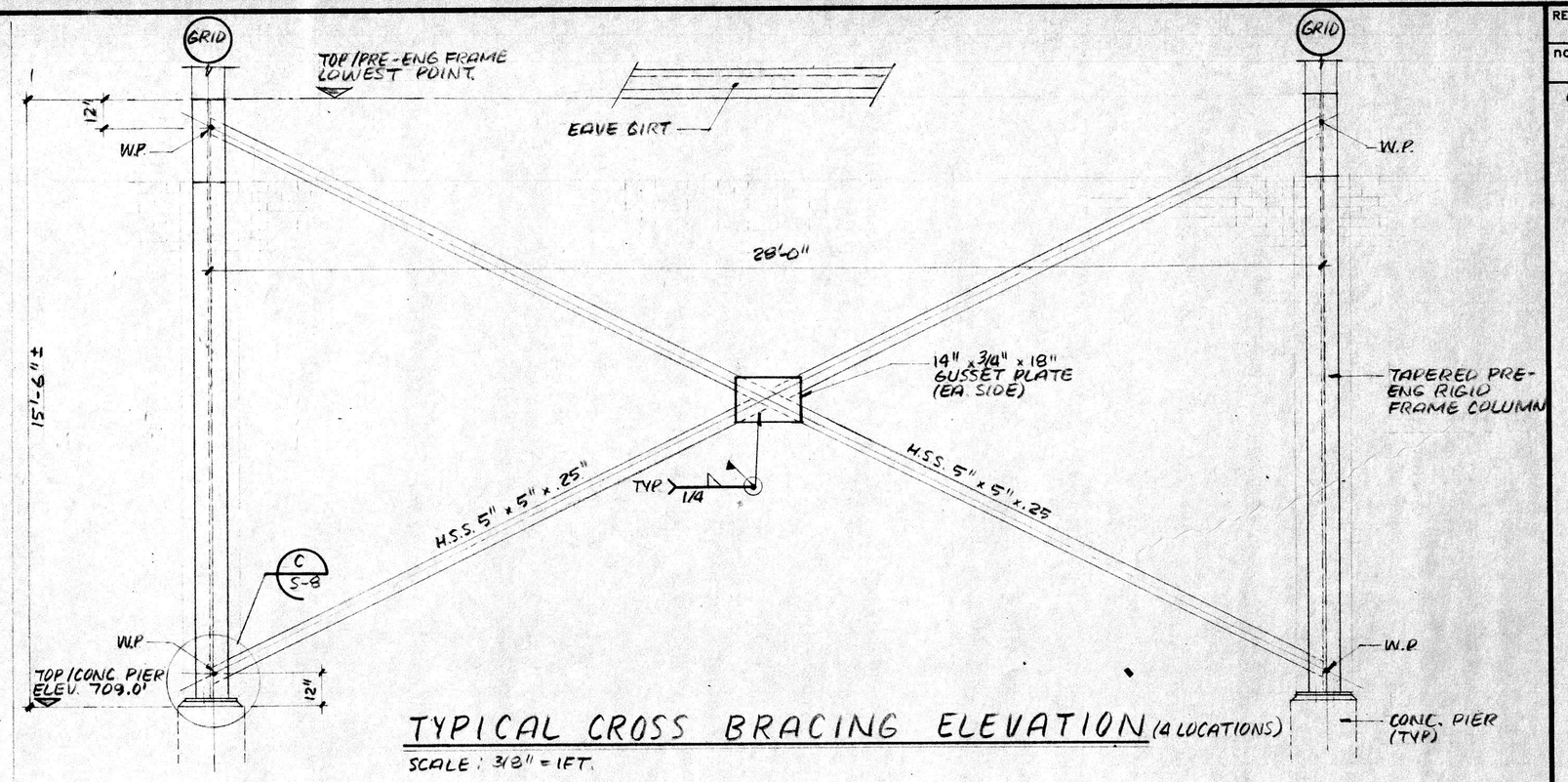

SECTION 1 S-5
SCALE : 1/2" = 1FT

NOTE: PROVIDE SECURITY CHAIN AT ACCESS OPENING THRU HANDRAIL.




TYPICAL CONC. CURB DETAIL

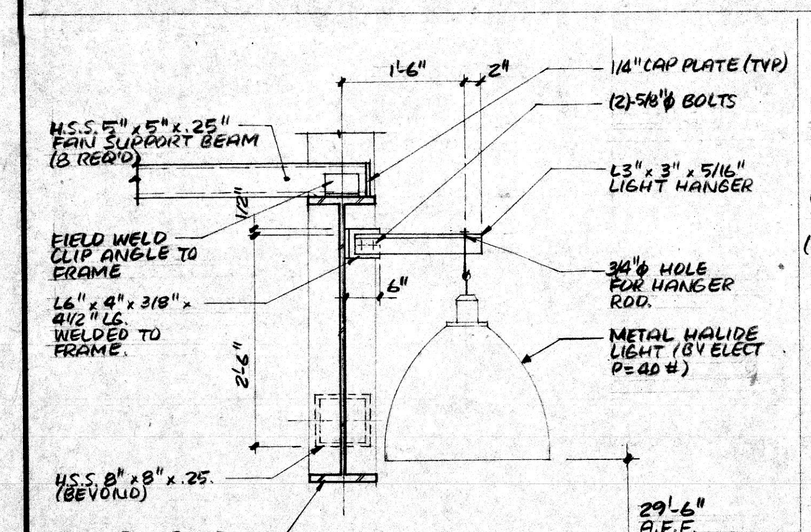
SECTION 2 S-2
SCALE : 1" = 1FT




TYPICAL CROSS BRACING ELEVATION (4 LOCATIONS)
SCALE : 3/8" = 1FT.

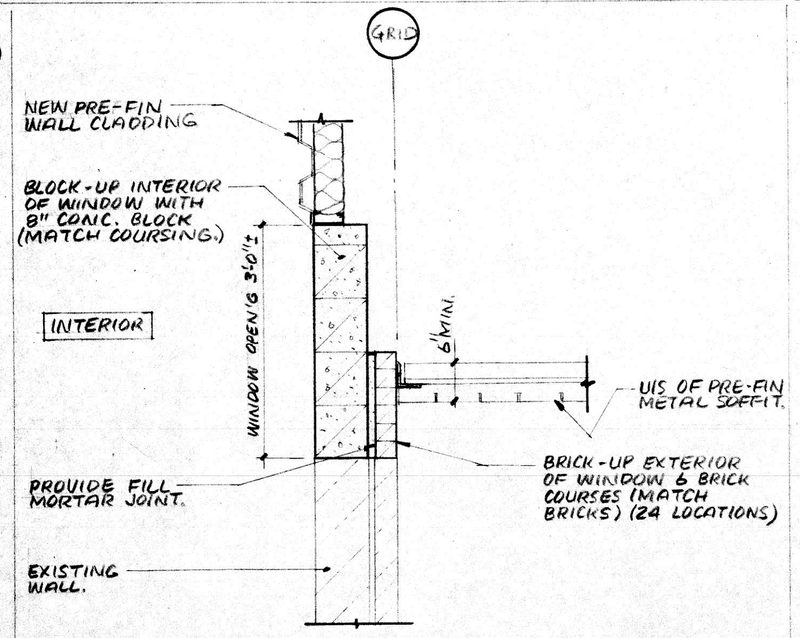
REVISIONS

| no. | date | description |
|---|---|---|
| 0 | DEC. 13 '90 | ISSUED FOR TENDER. |



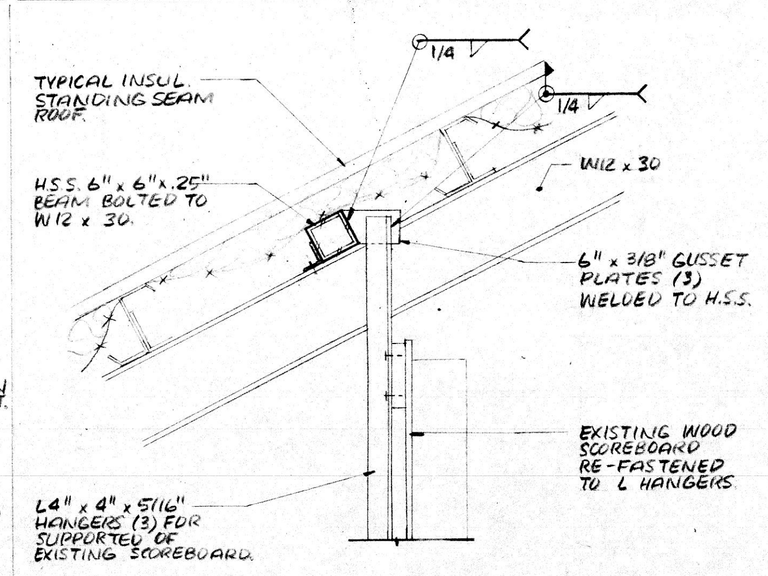

TYPICAL LIGHT HANGER (LS1)

SECTION 3 S-4
SCALE : 3/4" = 1FT




TYP EXIST WINDOW INFILL.

SECTION 4 S-3
SCALE : 3/4" = 1FT




DETAIL A S-6
SCALE : 3/4" = 1FT

## STRUCTURAL NOTES

GENERAL

READ SPECIFICATIONS IN CONJUNCTION WITH DRAWINGS.

DESIGN LOADS

| | | |
|---|---|---|
| SLOPED STEEL ROOF – | LIVE LOAD = 1.36 kPa (29 PSF) PLUS SNOW ACCUMULATION SHOWN | |
| | DEAD LOAD = 0.7 kPa (15 PSF) PLUS MECHANICAL LOADS INDICATED | |
| PRESS BOX AREA | LIVE LOAD = 2.4 kPa (50 PSF) | |
| | DEAD LOAD = 1 kPa (21 PSF) | |

SEE DRAWINGS FOR ADDITIONAL LOADS NOT INDICATED ABOVE.

FOUNDATION NOTES

1 ALL FOOTINGS TO BEAR ON UNDISTURBED SOIL CAPABLE OF MINIMUM BEARING PRESSURE OF 144 KPA (3,000 PSF). SOIL INFORMATION TAKEN FROM GEOTECHNICAL INVESTIGATION BY PETO MACCALLUM LTD., PROJECT OHF149, DATED OCTOBER 17, 1990. CONTRACTOR SHALL CONFIRM THE CAPACITY OF THE BEARING STRATUM BEFORE PROCEEDING WITH THE WORK.

2 FOR INTERPRETATION OF SOIL REPORT DATA, THE FOLLOWING RELATIONSHIPS APPROXIMATELY EXISTS. ELEVATION 100.0 FT (IN SOIL REPORT) = 713.7 FT. (ON DRAWINGS). TOP OF FIRE HYDRANT NUT ON SOUTH-WEST CORNER OF BUILDING PROPERTY.

3 THE MINIMUM DEPTH OF ALL EXTERIOR FOOTINGS SHALL BE 4'-0" BELOW FINISHED GRADES.

4 SEE STRUCTURAL DRAWINGS FOR ALL DIMENSIONS AND WALL THICKNESSES.

5 SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR BURIED SERVICES, INSERTS AND SLEEVES.

6 ALL FOOTINGS SHALL BE CENTRED UNDER PIERS UNLESS NOTED.

CONCRETE NOTES

1 ALL CONCRETE TO HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 30 Mpa (4350 psi).

2 ALL CONCRETE REINFORCEMENT TO BE DEFORMED CONFORMING TO C.S.A. G30.12 WITH A MINIMUM YIELD STRENGTH OF 400 Mpa (58,000 psi).

3 ALL REBAR SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH C.S.A. A23.3 AND A.C.I. 315 MANUAL.

4 ALL GROUT SHALL BE STERNSON'S M-BED OR EQUAL, NON-SHRINK, WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 40 Mpa (5,800 psi).

5 ALL MECHANICAL AND ELECTRICAL FLOOR AND ROOF OPENINGS TO BE CO-ORDINATED WITH DIVISIONS 15 AND 16.

6 ALL CONCRETE CONSTRUCTION TO CONFORM TO C.S.A. A23.1

## STRUCTURAL STEEL NOTES

1 STRUCTURAL STEEL DETAILING AND CONNECTIONS TO CONFORM TO C.S.A. CAN3-S16.1-M84.

2 ALL STRUCTURAL STEEL SHALL CONFORM TO G40.21-M81 WITH A MINIMUM YIELD STRENGTH OF 300 MPa (43,500 PSI).

3 CONTRACTOR TO SUBMIT SHOP ERECTION AND FABRICATION DRAWINGS FOR ALL STRUCTURAL STEEL MEMBERS FOR ENGINEER'S APPROVAL.

4 ALL WELDING SHALL BE IN CONFORMANCE WITH C.S.A. W59-M1984 AND TO THE REQUIREMENTS OF W47.1-1983 AND SHALL UTILIZE MINIMUM E70XX ELECTRODES.

5 ALL STRUCTURAL BOLTS AND FASTENERS SHALL CONFORM TO ASTM A-325-FRICTION TYPE. ANCHOR BOLTS SHALL CONFORM TO ASTM A-307 STANDARD.

6 ALL COLD ROLLED STRUCTURAL STEEL TO CONFORM TO ASTM A-446 FOR GALVANIZED SHEET STEEL, MINIMUM 50 ksi YIELD. STRUCTURAL PROPERTIES TO BE COMPUTED IN ACCORDANCE WITH C.S.A. S-136-M84.

7 ALL BEAMS TO HAVE MINIMUM BEARING LENGTH TO MATCH BEARING PLATE DIMENSIONS. BEARING PLATE TO BE 8" X 3/4" X 10" WITH ONE ANCHOR (3/4"Ø ROD, 12" IN LENGTH WITH 1-1/2" HOOK).

8 ALL DIMENSIONS AND ELEVATIONS TO BE VERIFIED IN THE FIELD BY THE STRUCTURAL STEEL CONTRACTOR.

STEEL DECK NOTES

1 STEEL DECK SHALL BE FORMED FROM ZINC COATED STEEL CONFORMING TO ASTM STANDARD A-446, GRADE A STEEL WITH A BASE NOMINAL THICKNESS OF 0.03" AND A ZINC COATING DESIGNATION OF 'Z-275'. NOMINAL DEPTH TO BE 1-1/2 INCHES.

2 CONTRACTOR SHALL SUBMIT STEEL DECK ERECTION DRAWINGS FOR ENGINEER'S APPROVAL.

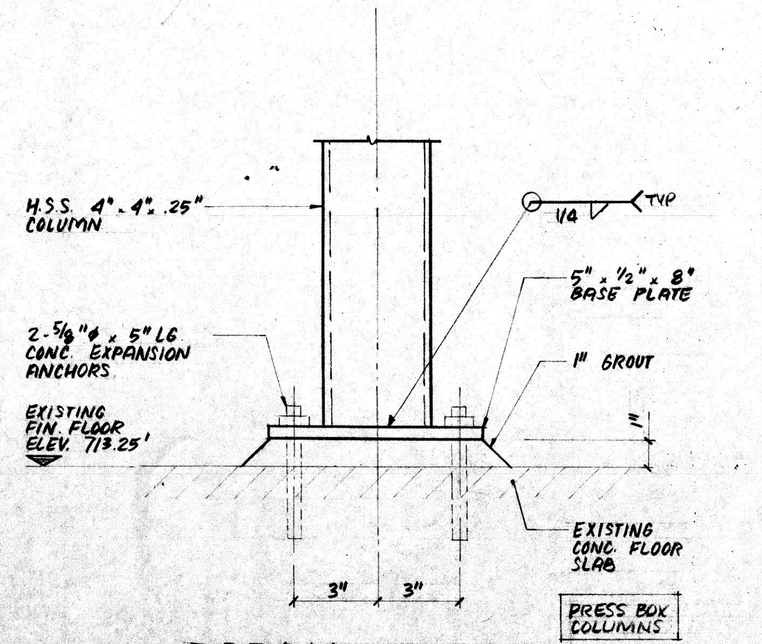
PRE-ENGINEERED BUILDING SYSTEM

1 PRE-ENGINEERED BUILDING SHALL BE A RIGID FRAME SYSTEM, DESIGNED IN ACCORDANCE WITH THE CURRENT ONTARIO BUILDING CODE (O.B.C.), NATIONAL BUILDING CODE (N.B.C.), THE DESIGN RECOMMENDATIONS OF THE CANADIAN SHEET STEEL BUILDING INSTITUTE (C.S.S.B.I.) AND THE DESIGN LOADS INDICATED ON THE DRAWINGS.

2 ROOF SYSTEM SHALL BE A 0.24 THICK, PRE-PAINTED GALVALUME, STANDING SEAM ROOF EQUAL TO ROBERTSON'S SSR-600 OR BUTLER MR-24 USING EQUIVALENT THERMAL BLOCKING OVER THE PURLINS.

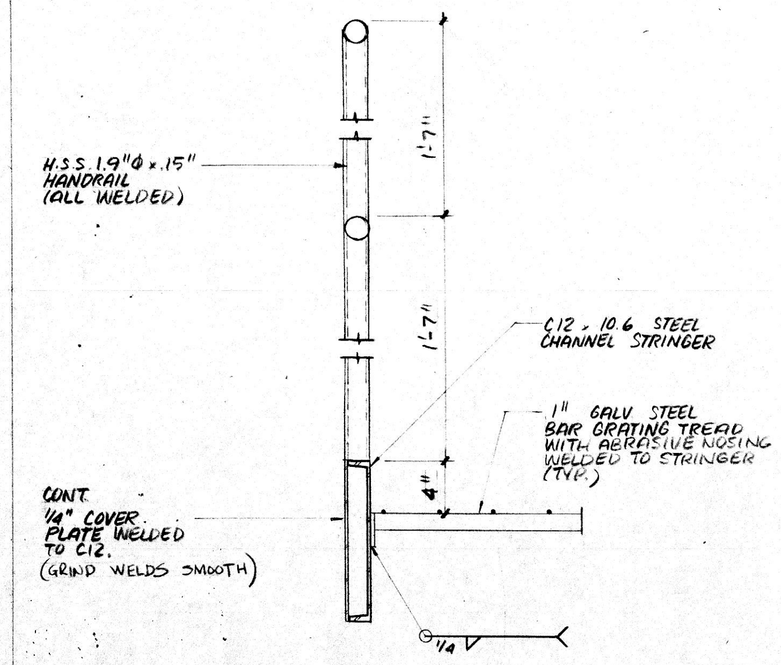
3 THE ADDITIONAL H.S.S. INTERMEDIATE FRAMING MEMBERS SHOWN ON THE PRE-ENGINEERED FRAMES ARE PRIMARILY FOR AESTHETIC AND EQUIPMENT REASONS. THEIR STRUCTURAL CAPABILITIES, MAY AT THE DISCRETION OF THE DESIGNER, BE UTILIZED IN THE DESIGN OF THE PRE-ENGINEERED FRAME.

4 THE PRE-ENGINEERED FRAME DIMENSIONS SHOWN ON DRAWINGS ARE NOT TO BE ALTERED WITHOUT WRITTEN APPROVAL FROM THE CONSULTANT.

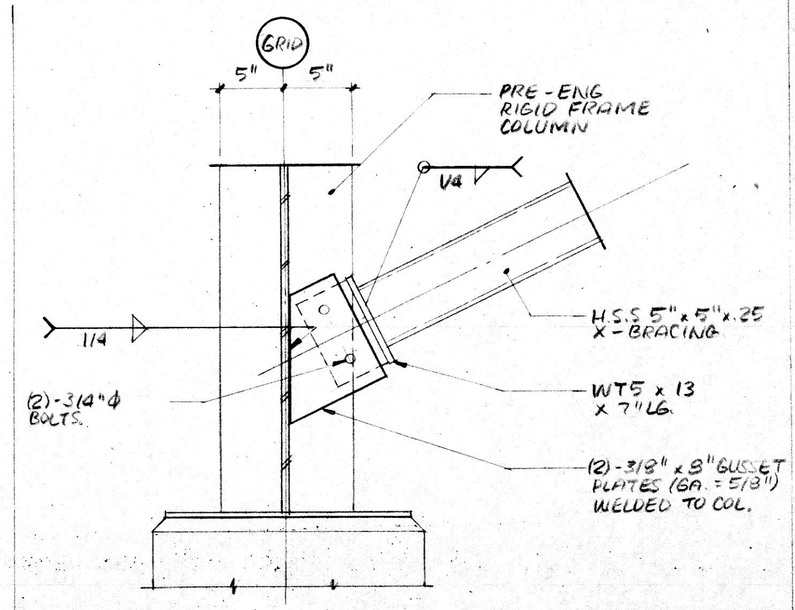



PRESS BOX COLUMNS

DETAIL B S-7
SCALE : 3" = 1 FT.




SECTION 5 S-7
SCALE : 1 1/2" = 1FT.




DETAIL C S-8
SCALE : 1 1/2" = 1FT

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REVIEWED
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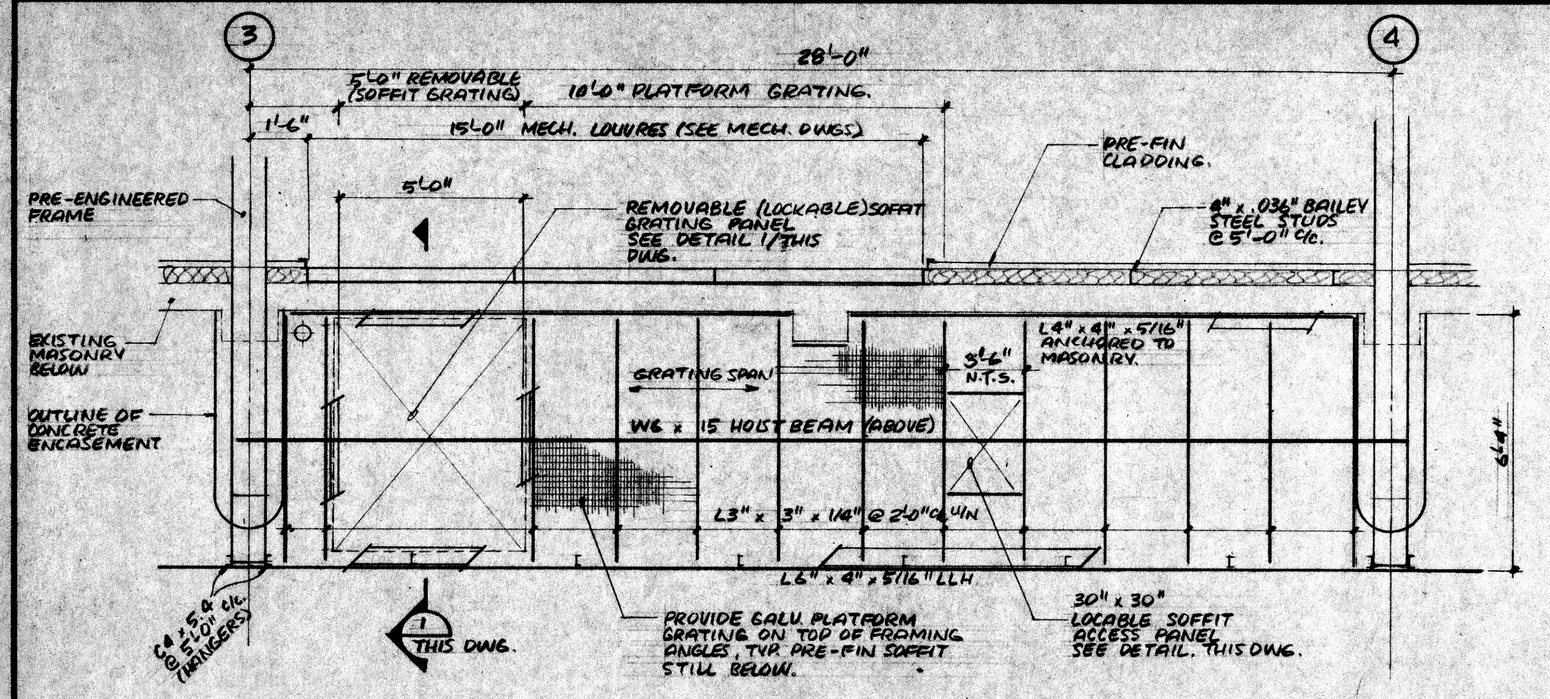
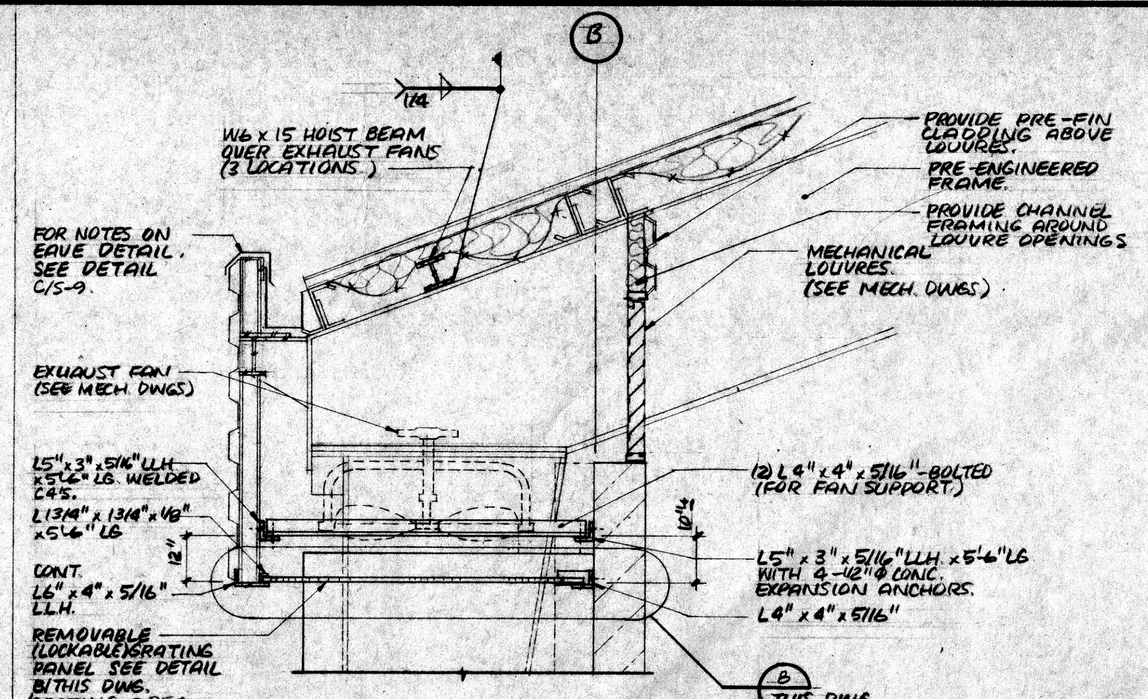
| date: | 13 DEC 1/90 | drawings | Revision |




PLAN DETAIL A S-5

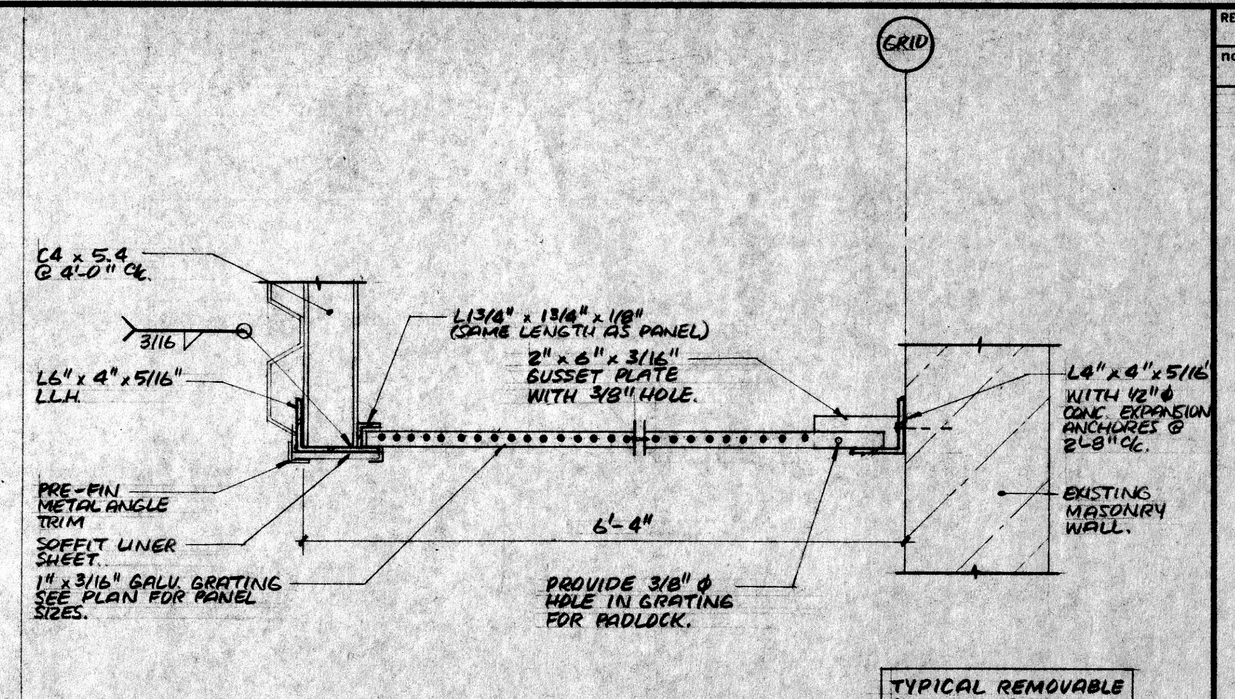
SCALE: 3/8" = 1FT.

TYPICAL SOFFIT FRAMING AT EXHAUST FAN - 3 LOCATIONS.




SECTION 1 THIS DWG

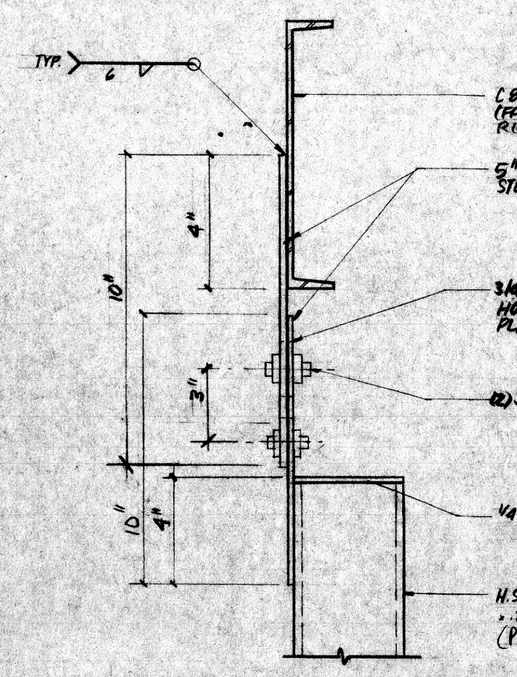
SCALE: 1/2" = 1FT.




DETAIL B THIS DWG

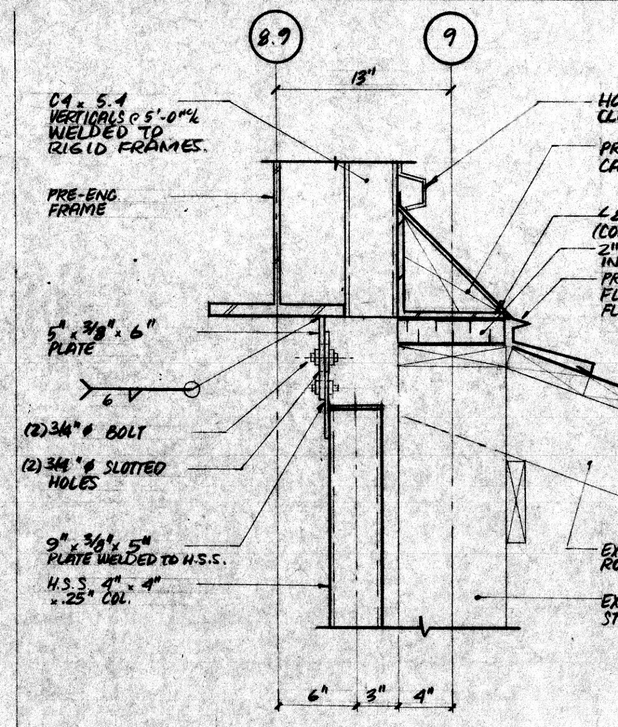
SCALE: 1/2" = 1FT.

TYPICAL REMOVABLE GRATING DETAIL.



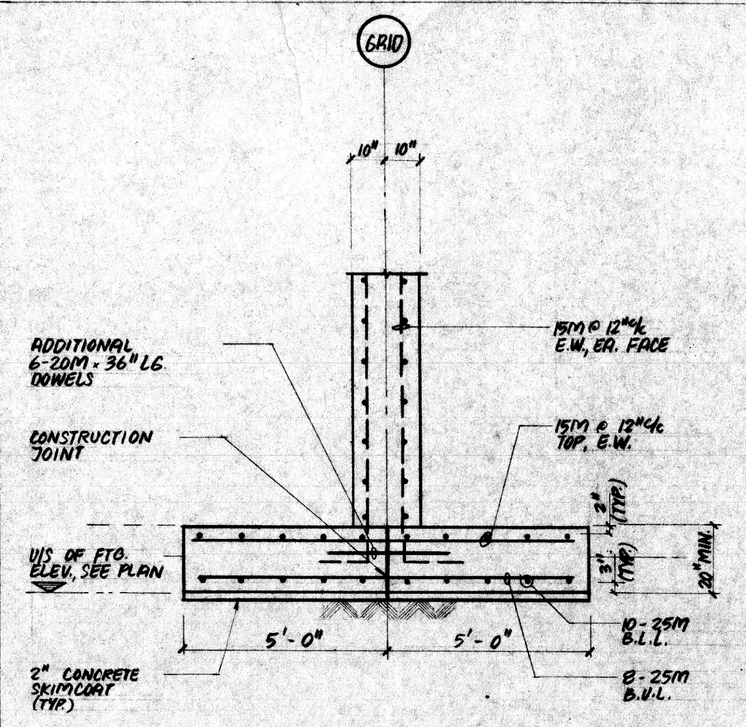

SECTION 2 S-5

SCALE: 3" = 1FT.




SECTION 3 S-5

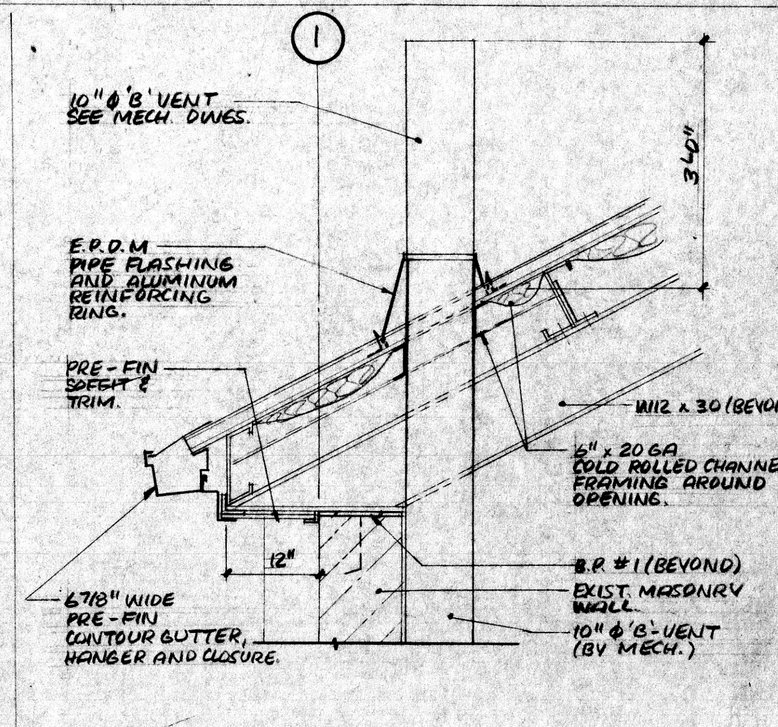
SCALE: 1 1/2" = 1FT.




SECTION 4 S-2

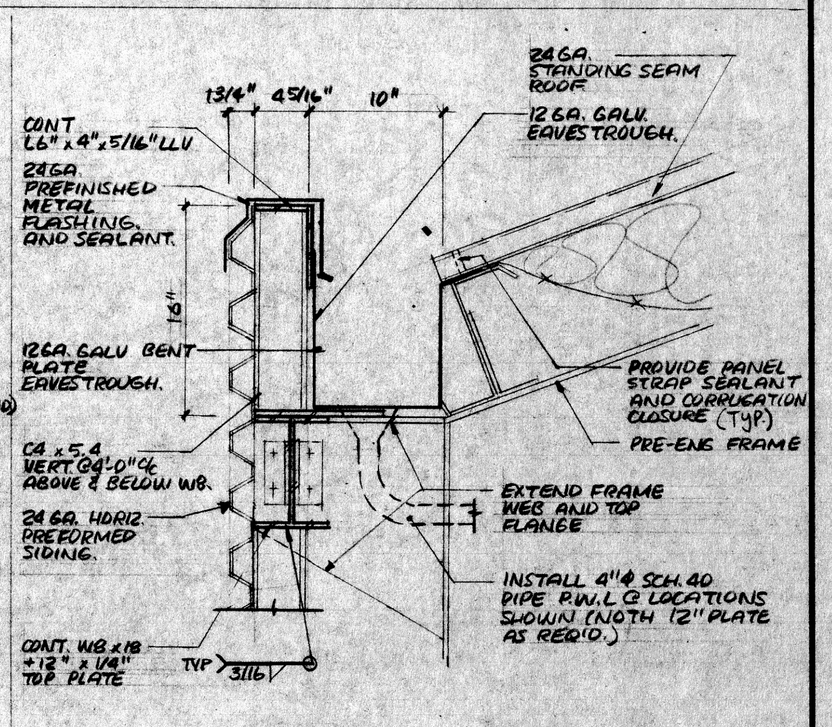
SCALE: 3/8" = 1FT.

TYPICAL FOOTING CONSTRUCTION JOINT



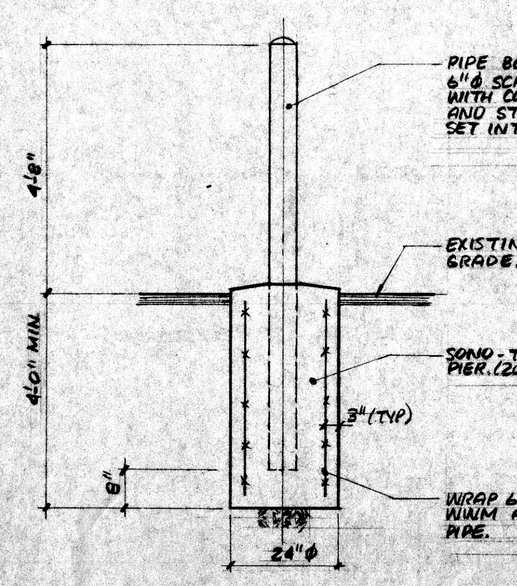

ROOF VENT DETAIL

SCALE: 3/4" = 1FT.



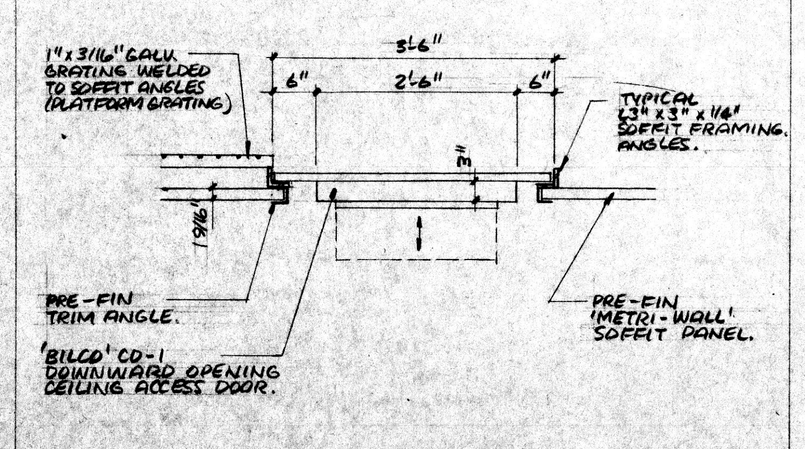

DETAIL C S-4

SCALE: 1 1/2" = 1FT




TYPICAL BOLLARD DETAIL

SCALE: 1/2" = 1FT.




SOFFIT ACCESS PANEL DETAIL (3 LOCATIONS)

SCALE: 3/8" = 1FT

REVIEWED

JAN 23 1991

PER D. H. FERGUSON M.A.A.T.O.
CHIEF BUILDING OFFICIAL
REGIONAL MUNICIPALITY OF
HALDIMAND NORFOLK

| REVISIONS | | |
|---|---|---|
| no. | date | description |
| 0. | DEC 13/90 | ISSUED FOR TENDER |

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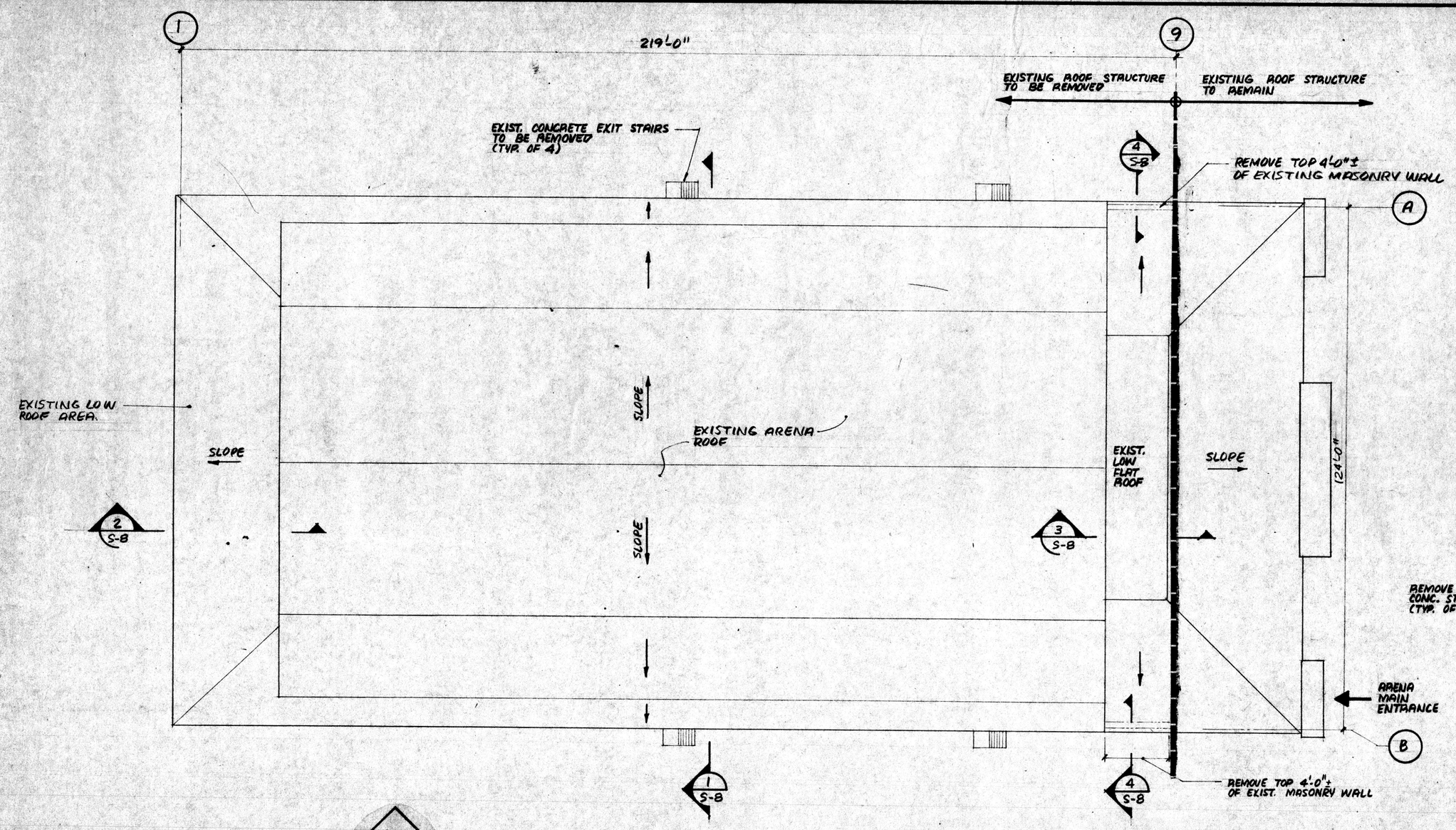
R. A. KOLODZIEJSKI DEC/90

project title:
TALBOT STREET ARENA
PHASE 1
NEW ARENA SUPERSTRUCTURE

drawing title:
SECTIONS AND DETAILS

| | |
|---|---|
| drawn: G.A.R / R.F. | scale: AS NOTED |
| date: DEC. / 90 | project number: 90115 |
| checked: E.K. | DRAWING NUMBER: S-9 |
| date: DEC. 13/90 | Revision |

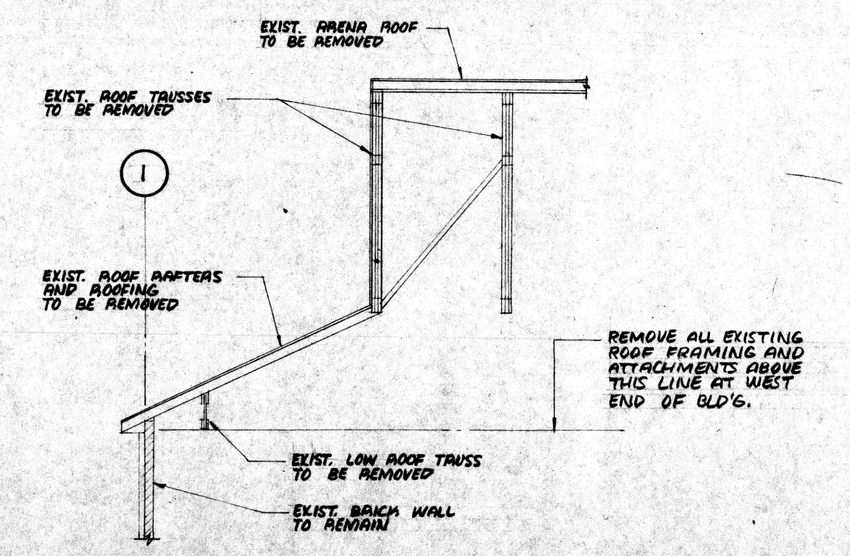



## EXISTING ROOF PLAN

SCALE : 1/16" = 1FT.

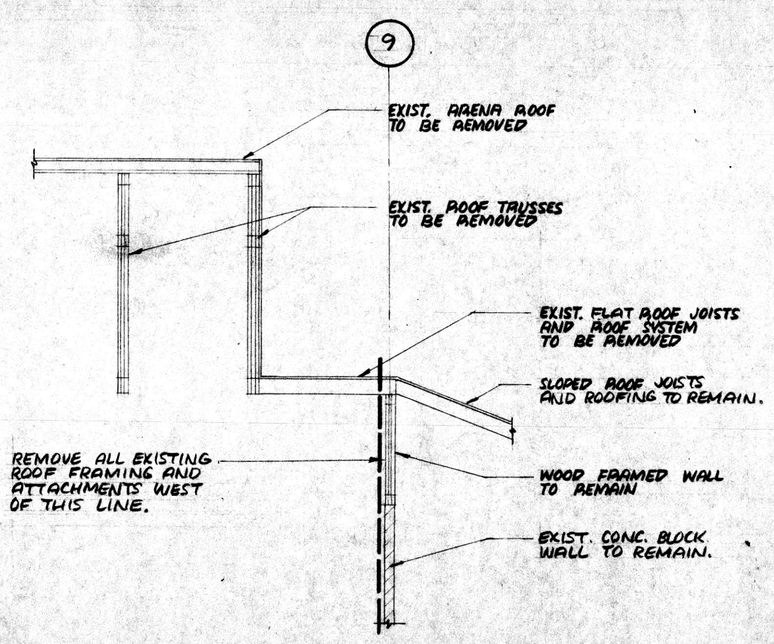
NOTE:

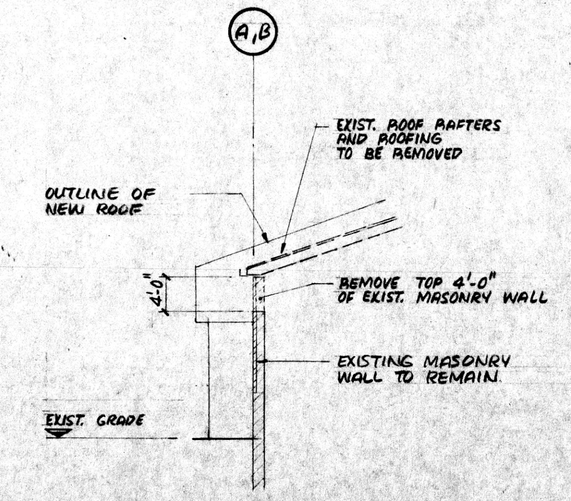
1. FOR ADDITIONAL REQUIREMENTS SEE SPECIFICATION SECTION 02060.
2. ROOF REMOVAL MUST NOT RESULT IN ANY DAMAGE TO EXISTING ICE SLAB, BLEACHERS OR OTHER BUILDING FEATURES WHICH ARE TO REMAIN.
3. REMOVE ALL WOOD ROOF FRAMING ROOFING AND ATTACHMENTS (INCLUDING EXISTING PRESS BOX) ABOVE THE TOP OF THE EXTERIOR MASONRY WALLS AND WEST OF GRID LINE 19.
4. PROTECT ALL EXISTING ARENA FEATURES AND EQUIPMENT AFTER REMOVAL OF EXISTING ROOF WITH TARPAULIN COVERS.

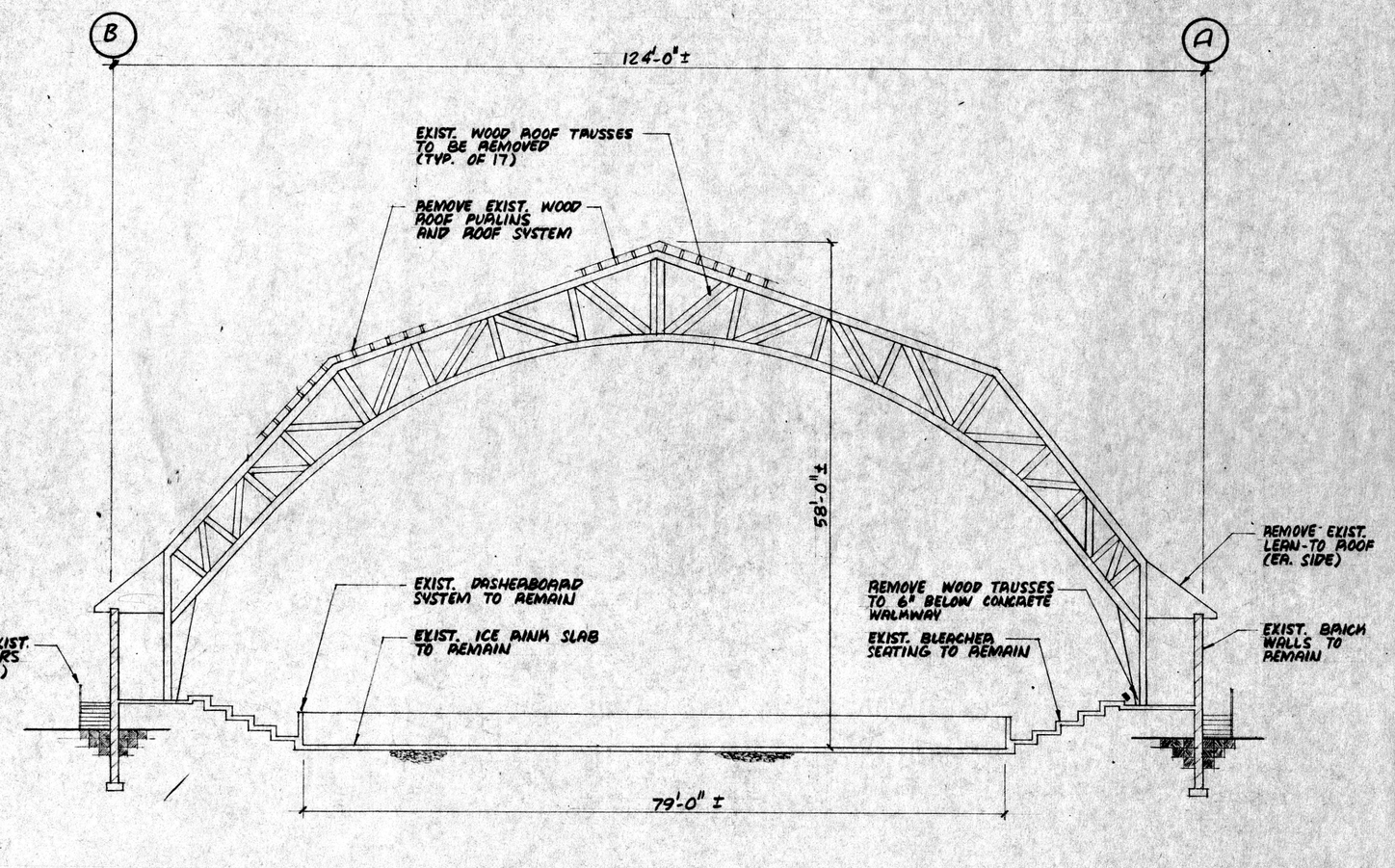



NOTE:

EXISTING WEST END SCOREBOARD TO BE REMOVED, STORED AND RE-INSTALLED TO NEW ROOF STRUCTURE.




## SECTION

SCALE: 3/32" = 1FT. — 1 S-8

## SECTION

SCALE: 3/32" = 1FT. — 2 S-8

## SECTION

SCALE: 3/32" = 1FT. — 3 S-8

## SECTION

SCALE: 3/32" = 1FT. — 4 S-8

REVIEWED
JAN 23 1991
PETER H. FERGUSON M.A.A.T.O.
CHIEF BUILDING OFFICIAL
REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

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| no. | date | description |
| 0 | DEC. 13/90 | ISSUED FOR TENDER. |

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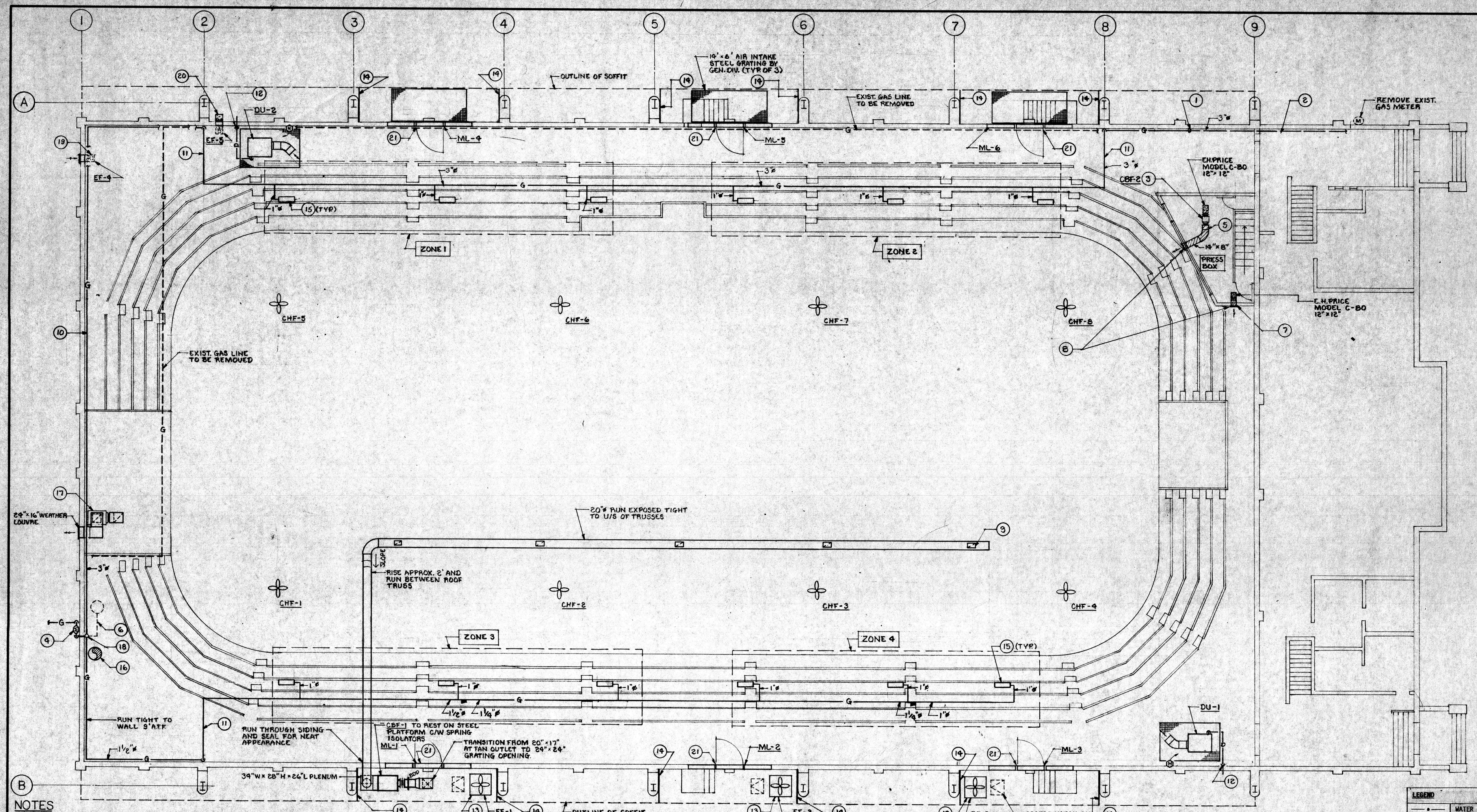
REGISTERED PROFESSIONAL ENGINEER — E. A. KOLODZIEJSKI — DEC/90 — PROVINCE OF ONTARIO

project title:
TALBOT STREET ARENA
PHASE 1
NEW ARENA SUPERSTRUCTURE

drawing title:
DEMOLITION PLAN AND DETAILS

drawn: N.D. | scale: AS NOTED
date: NOV. 1990 | project number: 90115
checked: E.K.
date: DEC. 13/90
this set of drawings | DRAWING NUMBER: S-10 | revision




## GROUND FLOOR PLAN

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

## NOTES

1. 3"ø GAS PIPING DROP THROUGH EXISTING FLOOR OPENING.
2. CONNECT 3"ø GAS PIPING TO GAS PIPING SERVING EXISTING BOILERS BELOW.
3. CBF-2 CONCEALED IN CEILING SPACE SUSPEND FROM STRUCTURE COMPLETE WITH RUBBER IN SHEAR ISOLATORS.
4. NEW GAS SERVICE C/W METER. INSTALL 3"ø GAS PIPING THROUGH WALL INTO MECHANICAL ROOM BELOW.
5. TRANSITION FROM 10" X 8" AT FAN OUTLET TO 14" X 8" AT WALL GRILLE.
6. INSTALL 1-1/4"ø GAS TO EXISTING HOT WATER TANK BELOW.
7. 12" X 12" ACOUSTICALLY LINED TRANSFER DUCT. TRANSITION FROM 12" X 12" CEILING GRILLE TO 14" X 6" WALL GRILLE.
8. E.H. PRICE MODEL CZIL 14" X 6" MOUNT 9'-0" A.F.F. TO UNDERSIDE OF GRILLE. PAINT GRILLES TO MATCH EXTERIOR.
9. 16" X 12" DUCT OPENING UP COMPLETE WITH BALANCING DAMPER. 5 REQUIRED (600 CFM EACH).
10. RUN GAS PIPING 9' A.F.F. TIGHT TO WALL.
11. RUN TIGHT TO UNDERSIDE OF STRUCTURE.
12. 1-1/4"ø CONDENSATE DRAIN, DROP THROUGH PLATFORM AND TRAP. RUN EXPOSED ON WALL AND OFFSET TO OUTDOORS APPROXIMATELY 12" ABOVE GRADE. CAULK AND SEAL PIPE PENETRATING THROUGH EXTERIOR WALL. INSULATE CONDENSATE PIPING AFTER DIVISION 16 INSTALLS HEAT TRACING (TYPICAL 2 UNITS).
13. PROPELLER FAN INSTALLED IN SOFFIT. MOUNT FAN ON STRUCTURAL STEEL COMPLETE WITH TYPE VAR ELASTOMER VIBRATION PADS AS SUPPLIED BY VIBRO ACOUSTICS LTD. INSTALL 18 GAUGE SHEETMETAL COLLAR FROM FAN OUTLET TO STEEL GRATING (TYPICAL 3 FANS).
14. INSTALL 18 GAUGE SHEETMETAL LINER AT THE END OF EACH FAN BAY (TYPICAL 6 BAYS). CAULK WITH HIGH VELOCITY DUCT SEALANT FOR AN AIR TIGHT INSTALLATION.
15. GAS FIRED RADIANT HEATER (TYPICAL 12). MOUNT UNITS BETWEEN ROOF TRUSSES AT 3000 ABOVE AND TILTED TO MATCH SEAT SLOPE.
16. SUPPLY AND INSTALL NEW 10"ø 'B' VENT SERVING EXISTING GAS FIRED HOT WATER TANK BELOW. VENT TO EXTEND TO 3' ABOVE ROOF FLASHING AND COUNTER FLASHING BY GENERAL DIVISION.
17. EXISTING ZAMBONI BELTED VENT SET EXHAUST FAN AND DUCTWORK TO BE REMOVED AND STORED DURING CONSTRUCTION. REINSTALL FAN COMPLETE WITH EXISTING GRILLE AND DUCTWORK. MODIFY 22" X 14" DISCHARGE DUCT TO CONNECT TO NEW 24" X 16" WEATHER LOUVRE AT TOP BLOCK COURSE.
18. 3"ø GAS RISE TO 9' A.F.F.
19. REMOVE EXISTING EXHAUST FANS IN REFRIGERATION ROOM. INSTALL NEW PROPELLER FANS AT EXISTING LOCATIONS COMPLETE WITH MOTOR GUARD.
20. 14" X 14" GOOSENECK EXHAUST TO BE REMOVED DURING CONSTRUCTION. REINSTALL AFTER NEW FOOTINGS ARE INSTALLED.
21. CENTRE LOUVRE HINGED TO SWING OUT. PROVIDE CAM LOCK LOCKING DEVICE AT FACE OF LOUVRE (TYPICAL 6).

| LEGEND | |
|---|---|
| —•— | WATER |
| —G— | GAS |
| - - - - - | EXISTING TO BE REMOVED |
| (M) | METER |
| —X— | STORM SEWER |
| CB | CATCH BASIN |
| MH | MANHOLE |
| RWL | RAINWATER LEADER |
| (H) | HUMIDISTAT |
| —FC— | FLEXIBLE CONNECTION |
| —D— | CONDENSATE DRAIN |

REVIEWED

JAN 29 1991

PER D. H. FERGUSON, M.A.A.T.O.
CHIEF BUILDING OFFICIAL
REGIONAL MUNICIPALITY OF
HALDIMAND NORFOLK

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| 0 | DEC. 13/90 | ISSUED FOR TENDER |


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LICENSED PROFESSIONAL ENGINEER
M. W. WICKHAM
PROVINCE OF ONTARIO

project title:
TALBOT STREET ARENA
PHASE 1
NEW ARENA SUPERSTRUCTURE

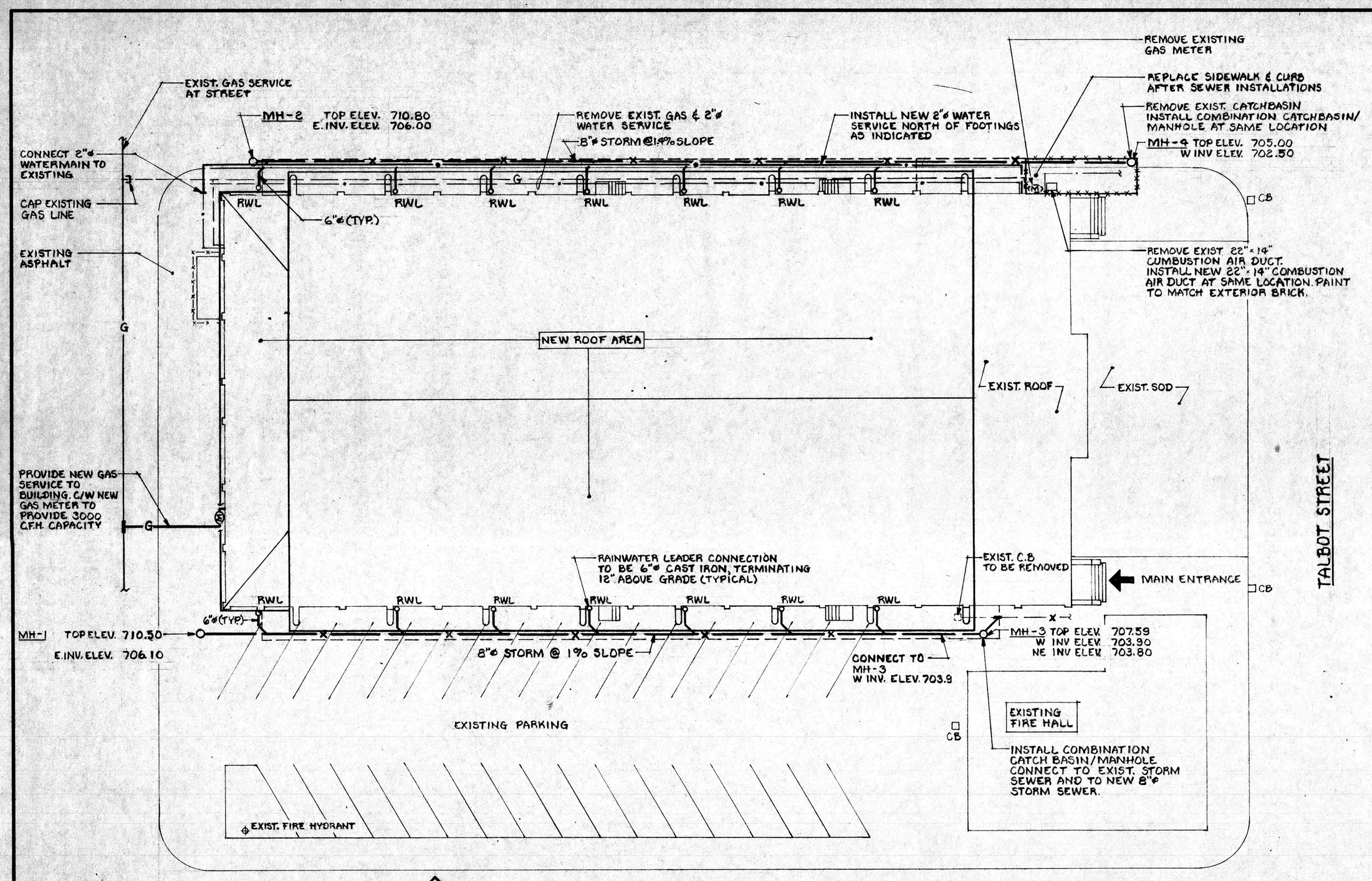
drawing title:
GROUND FLOOR PLAN

drawn: W.W.F. | scale: AS NOTED

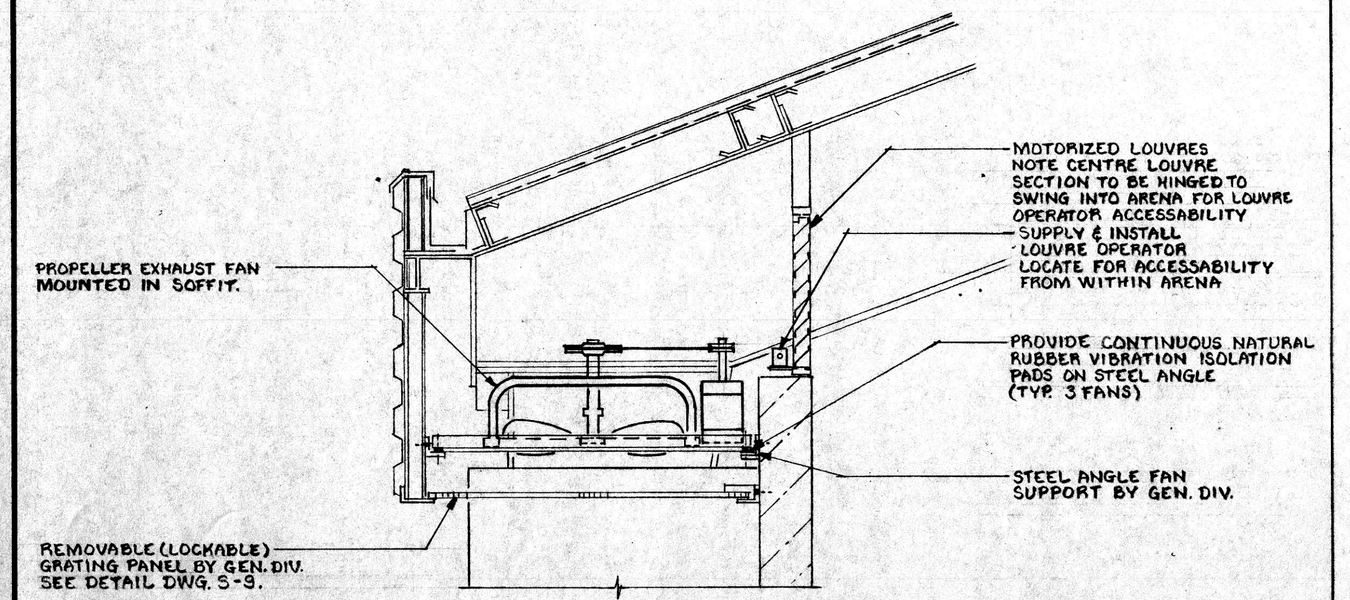
date: DEC./90 | project number: 90115

checked: MW | DRAWING NUMBER: M-1

date: DEC./90 | this not servicing | drawings | Revision




SITE PLAN
SCALE: 1" = 20FT.




SECTION (1 / M-1)
SCALE: 1/2" = 1FT

REVISIONS

| no. | date | description |
|---|---|---|
| 0 | DEC. 13/90 | ISSUED FOR TENDER |

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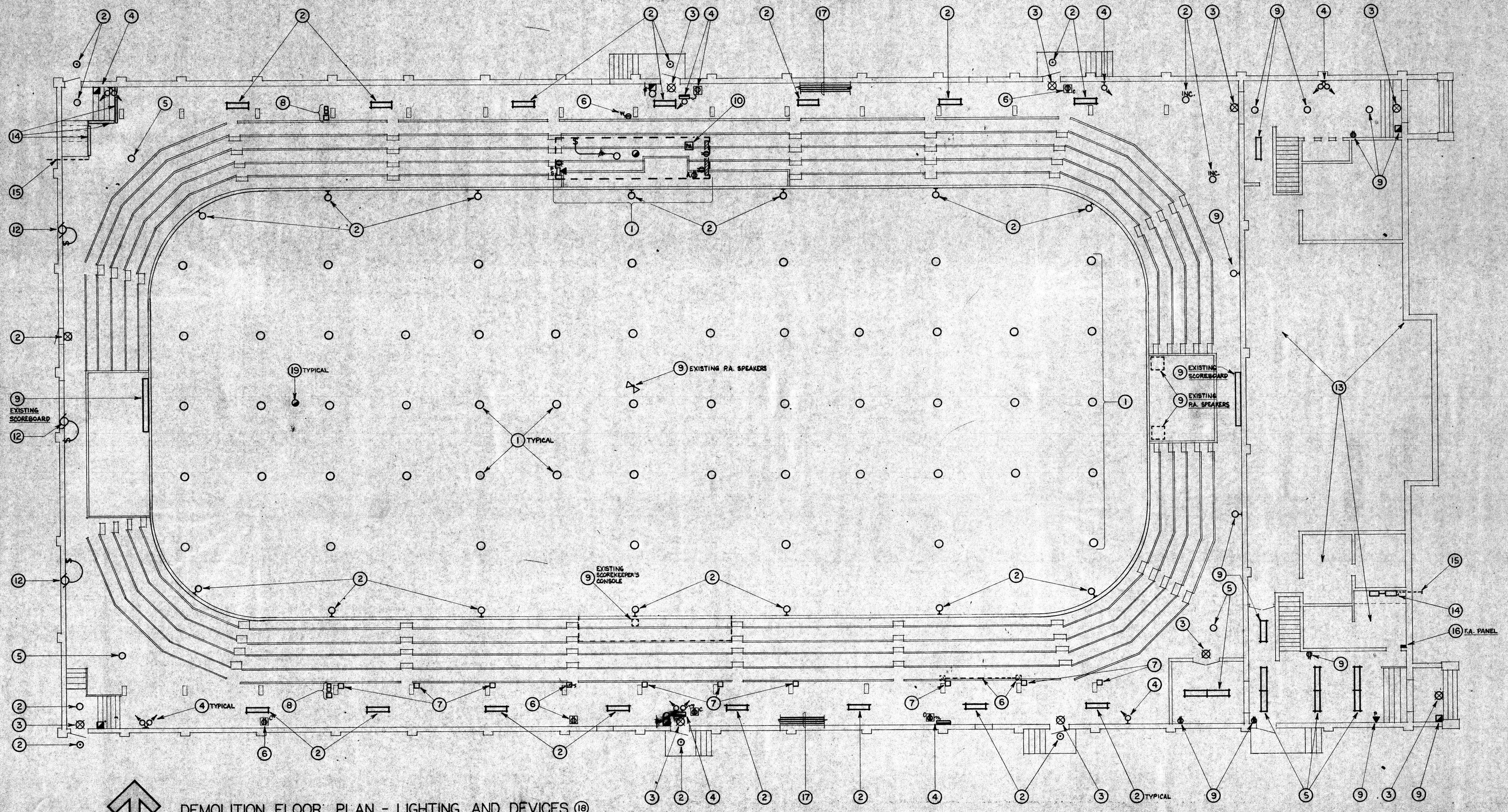
LICENSED PROFESSIONAL ENGINEER
M. W. WICKHAM
PROVINCE OF ONTARIO

project title:
TALBOT STREET ARENA
PHASE 1
NEW ARENA SUPERSTRUCTURE

drawing title:
MECHANICAL DETAILS

| | |
|---|---|
| drawn: W.W.F | scale: AS NOTED |
| date: DEC./90 | project number: 90115 |
| checked: MW | this set contains: drawings / DRAWING NUMBER: M-2 / Revision |
| date: DEC./90 | |

REVIEWED
JAN 23 1991
PER D. H. FERGUSON M.A.A.T.O.
CHIEF BUILDING OFFICIAL
REGIONAL MUNICIPALITY OF HALDIMAND NORFOLK




# DEMOLITION FLOOR PLAN - LIGHTING AND DEVICES (18)

SCALE 1/8"=1'-0"

NOTE: FOR ELECTRICAL LEGEND AND DEMOLITION NOTES (FOR DWG E-1 ONLY) SEE DRAWING E-2.

REVISIONS

| no. | date. | description |
|---|---|---|
| | | |

REVIEWED
JAN 28 1991
PERMITS REGULATION M.A.
CHIEF BUILDING OFFICER
REGIONAL MUNICIPALITY OF
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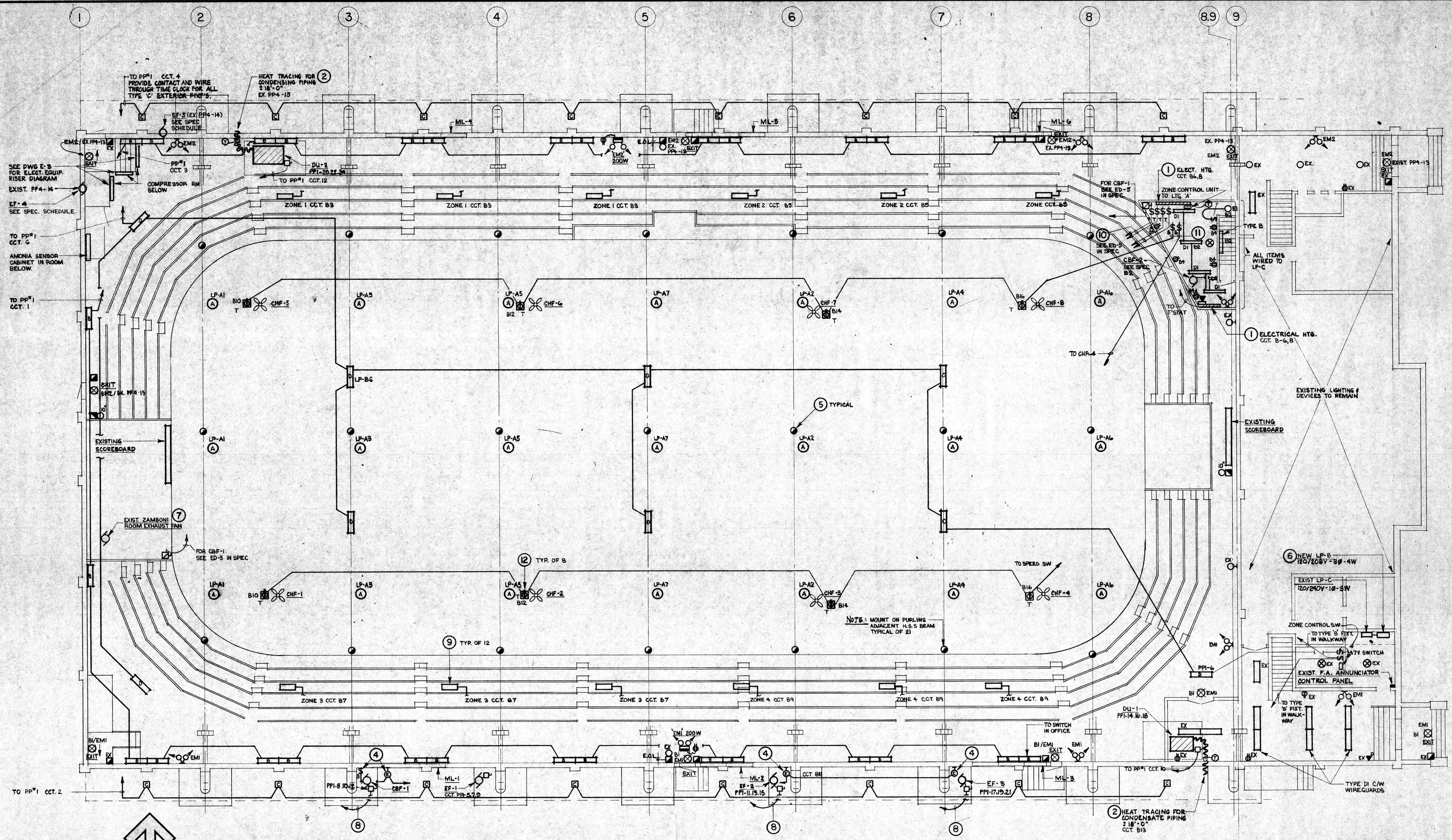
R.P.H.

project title:
TALBOT STREET ARENA
PHASE 1
NEW ARENA SUPERSTRUCTURE

drawing title:
DEMOLITION FLOOR PLAN-
LIGHTING AND DEVICES

| | |
|---|---|
| drawn: Z.B. | scale: AS NOTED |
| date: NOV./90 | project number: 90115 |
| checked: A.P.C. | this set contains DRAWING NUMBER: E-1 |
| date: NOV./90 | drawing no. |




# FLOOR PLAN - NEW LIGHTING AND DEVICES LAYOUT

SCALE 1/8"=1'-0"

NOTE: SEE DISTRIBUTION DIAGRAM FOR REWIRING OF EXISTING ITEMS TO NEW DISTRIBUTION EQUIPMENT.

**NOTES FOR DRAWING E-2 ONLY**

1. LOW WATT DENSITY ELECTRIC BASEBOARD HEATING UNITS. 1000W/208V/1Ø FLOOR/WALL MOUNTED. CHOMALOX, CAT. NO. BL-6610 C/W REMOTE THERMOSTAT ON WALL.
2. HEAT TRACING: APPROX. 18'-0" 1-1/4" CONDENSATE PIPING Ø INSULATION. USE PYROTENAL CABLE CODE "DALE" 150 WATTS, HEATER AMPS 1.5. PROVIDE 4665 RT THERMOSTAT. PROVIDE NECESSARY ASSOCIATED STRAPPING, ETC. SUPPLY AND INSTALL COMPLETE SYSTEM AS RECOMMENDED BY MANUFACTURER.
3. SEE REVISIONS TO DISTRIBUTION EQUIPMENT DRAWING E-3.
4. FIXTURE TYPE 'D' WALL MOUNTED IN ROOF SPACE ABOVE SOFFIT, 3 - REQUIRED. WIRE TO 3-WAY SWITCHING AS SHOWN. FIXTURES TO FACILITATE MECHANICAL EQUIPMENT MAINTENANCE PERSONNEL.
5. NEW HEAT DETECTORS MOUNTED ON NEW H.S.S. WIRE TO EXISTING INITIATING ZONE FOR ICE SURFACE AREAS.
6. SEE ELECTRICAL DISTRIBUTION DIAGRAM DRAWING E-3 FOR RE-WORKING OF EXISTING EQUIPMENT.
7. TEMPORARILY DISCONNECT EXISTING ZAMBONI ROOM EXHAUST FAN FOR REMOVAL BY OTHERS. RECONNECT ONCE NEW ROOF CONSTRUCTION IS COMPLETE.
8. WIRE TO MAGNETIC STARTER IN COMPRESSOR ROOM. WIRE THROUGH DISCONNECT SWITCH (DS4) TO TERMINAL ON UNIT.
9. TERMINATE 120V WIRING AT UNIT FOR CONNECTION TO TRANSFORMER AND TERMINALS ON UNIT BY DI5.
10. INTERVAL TIMERS IN PRESS BOX (4). WIRE EACH TIMER TO EACH ZONE CIRCUIT.
11. WIRE 120V/1Ø THROUGH SINGLE SPEED SWITCH (SUPPLIED BY DI6) TO 125V-15A TWIST-LOCK RECEPTACLE AT EACH FAN.
12. SURFACE MOUNT RECEPTACLE (IN FS OUTLET BOX) ADJACENT CHF1-8 A MAX DISTANCE OF 3'-0" FROM FAN ON STRUCTURAL BRACING PROVIDED TO MOUNT FAN.

REVIEWED
JAN 23 1991
P.E.H. FERGUSON M.A.A.T.O.
CHIEF BUILDING OFFICIAL
REGIONAL MUNICIPALITY OF HALDIMAND NORFOLK

REVISIONS

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|---|---|---|

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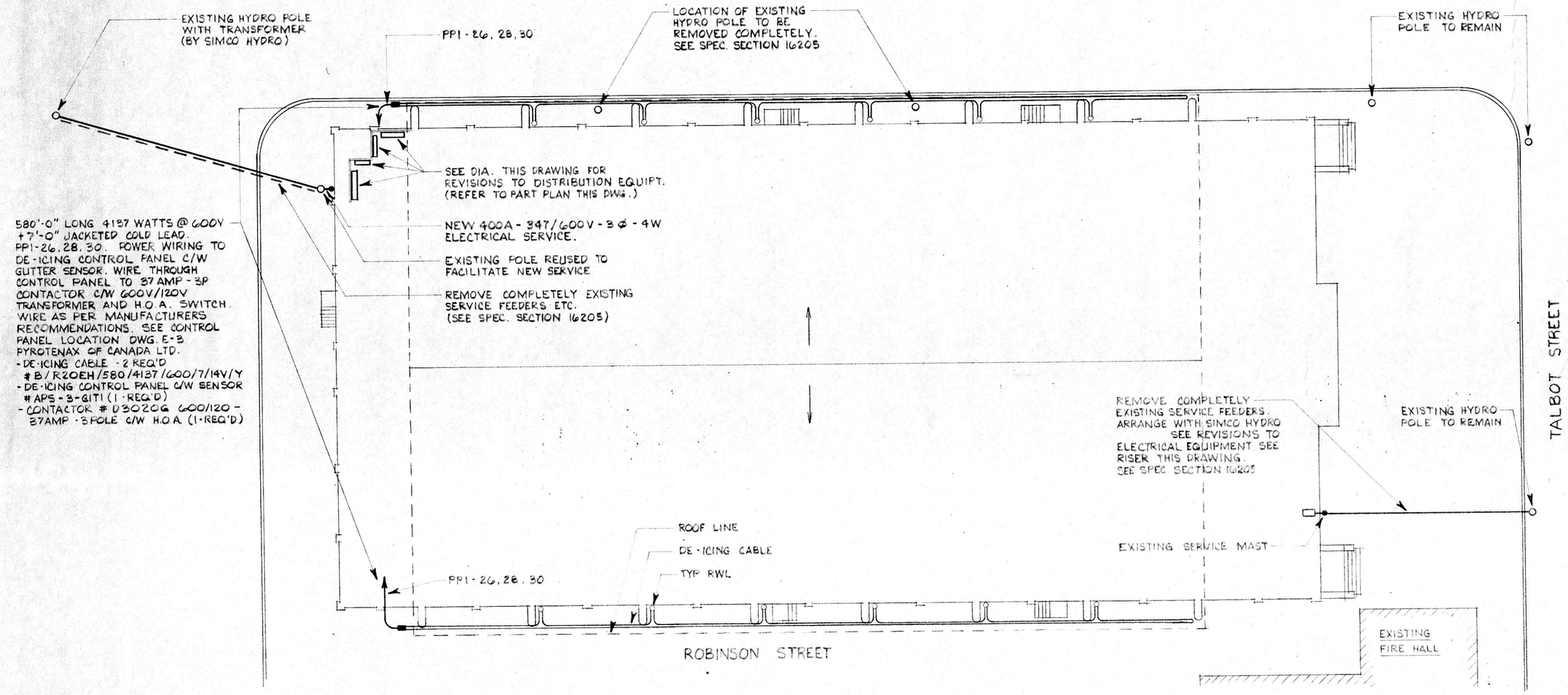
REGISTERED PROFESSIONAL ENGINEER A. P. CYRIAC PROVINCE OF ONTARIO
R.R.H.

project title:
TALBOT STREET ARENA
PHASE 1
NEW ARENA SUPERSTRUCTURE

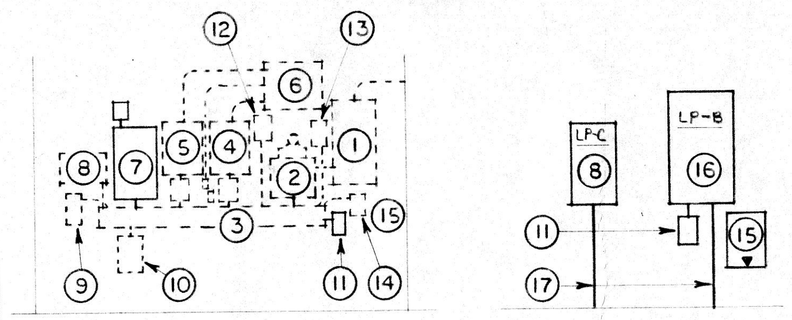
drawing title:
FLOOR PLAN-NEW LIGHTING LAYOUT AND DEVICES

| | | | |
|---|---|---|---|
| drawn: Z.B. | | scale: AS NOTED | |
| date: NOV./90 | | project number: 90115 | |
| checked: A.P.C. | | This set contains | DRAWING NUMBER: E-2 |
| date: NOV./90 | | drawings: | Revision |

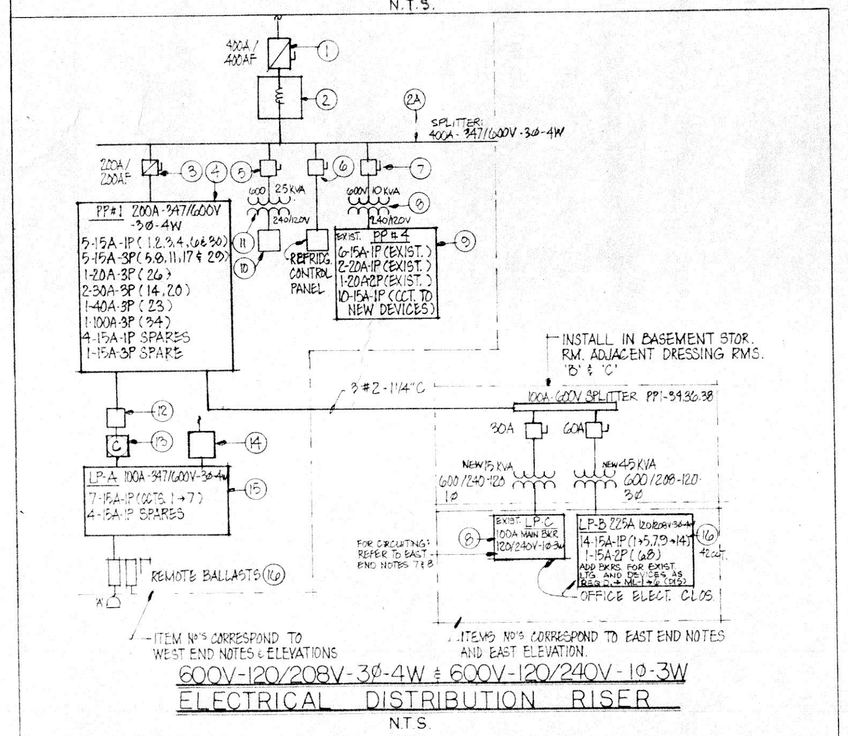



ELECTRICAL SITE PLAN

SCALE 1"=20'-0"




EAST END ELECTRICAL DISTRIBUTION DIAGRAM




600V-120/208V-3Φ-4W & 600V-120/240V-1Φ-3W ELECTRICAL DISTRIBUTION RISER

N.T.S.

**EAST END ELECTRICAL DISTRIBUTION DIAGRAM NOTES ONLY**

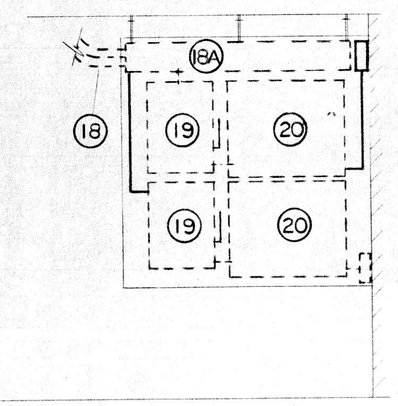
1. EXISTING 400A-120/240V-1Φ-3W SERVICE CONDUCTORS AND SERVICE ENTRANCE DISCONNECT SWITCH TO BE REMOVED COMPLETELY.
2. EXISTING CT CABINET AND METERING TO BE REMOVED COMPLETELY.
3. EXISTING SPLITTER TO BE REMOVED COMPLETELY.
4. EXISTING INCANDESCENT LIGHTING PANEL, DISCONNECT SWITCH AND ASSOCIATED WIRING TO BE REMOVE COMPLETELY.
5. EXISTING MERCURY VAPOUR LIGHTING PANEL, DISCONNECT SWITCH AND ASSOCIATED WIRING TO BE REMOVED COMPLETELY.
6. EXISTING ISOLATED CONTACTOR FOR EXISTING ICE SURFACE LIGHTING AND ASSOCIATED WIRING TO BE REMOVED COMPLETELY.
7. EXISTING 200A-120/240V-1Φ-3W PANEL TO BE REMOVED COMPLETELY. EXTEND AND RE-WORK ALL WIRING OF 120V SOURCE ITEMS NOT DEMOLISHED BY NEW WORK TO NEW LP-B (ITEM 16). MAINTAIN 220V SOURCE ITEMS AND WIRE TO EXISTING PANEL BEING RE-USED. (ITEM 8) CIRCUITS:
   12-13 DRESSING ROOM FANS 30A-2P
   22-23 MISC. ITEMS 20A-2P
   32-33 CANTEEN PLUG 15A-2P
8. EXISTING PANEL TO BE RE-USED IN NEW LAYOUT. INSTALL BREAKERS AS NOTED FROM ITEM #7 IN SPACE PROVIDED. EXTEND AND RE-WORK WIRING FOR 120V SOURCES (RECEPTACLES, ETC.) TO LP-B (ITEM 16). MAINTAIN EXISTING 20A-2P AND 60A-2P BREAKER AND WIRING.
9. REMOVE EXISTING DISCONNECT SWITCH FOR FEED TO EXHAUST FANS, NIGHT LIGHTING, GOAL LIGHTS AND PRO SHOP (GUNNER ROOM). EXTEND AND RE-WORK WIRING TO NEW LP-B (ITEM 16). VERIFY ALL LOAD TO BE 120V. PROVIDE SUITABLE BREAKER SIZE TO FACILITATE EXISTING LOAD REQUIREMENTS.
10. REMOVE EXISTING DISCONNECT SWITCH FOR FEED TO NEW ROOM. EXTEND AND REWIRE TO NEW LP-B (ITEM 16). VERIFY ALL LOAD TO BE 120V. PROVIDE SUITABLE BREAKER SIZE TO FACILITATE EXISTING NET ROOM BREAKER LOAD REQUIREMENTS.
11. MAINTAIN EXISTING F.A. DISCONNECT SWITCH. EXTEND AND REWIRE TO NEW LP-B (ITEM 16).
12. EXISTING 30A DISCONNECT SWITCH FOR SPOT LIGHTS. DISCONNECT AND REMOVE ALL ASSOCIATED WIRING.
13. REMOVE, COMPLETELY, EXISTING 60A DISCONNECT SWITCH. VERIFY, IF ANY, LOADS ARE TO BE MAINTAINED.
14. EXISTING 30A DISCONNECT SWITCH FOR EXIST LIGHTS TO BE REMOVED. EXTEND AND REWIRE AS REQUIRED TO NEW LP-B (ITEM 16).
15. EXISTING TELEPHONE BOARD TO BE MAINTAINED.
16. SUPPLY AND INSTALL NEW 225A-120/208V-3Φ-4W 42 CIRCUIT PANEL LP-B. RE-WORK EXISTING WIRING FROM ITEMS #7, 8, 9, 10, 11 AND 14. CIRCUIT NEW LIGHTING AND DEVICES AS INDICATED.
17. NEW FEEDERS FROM TRANSFORMERS IN STORAGE ROOM BELOW
18. NEW TRANSFORMERS IN EXISTING STORAGE ROOM. MOUNT UP HIGH. INCLUDE FOR NECESSARY SUPPORTS TO SUSPEND TRANSFORMERS. SIZE AS INDICATED.
19. NEW SPLITTER BOX, SIZED TO SUIT, TO FACILITATE FEEDER FROM NEW PP#1 IN COMPRESSOR ROOM.

**ELECTRICAL LEGEND**

- EXISTING LIGHT FIXTURE
- FLUORESCENT LIGHT FIXTURE
- C — EXTERIOR RECESSED H.P.S LIGHT FIXTURE
- EXIT LIGHT FIXTURE
- EMERGENCY LIGHT FIXTURE
- $ — SINGLE POLE LIGHT SWITCH
- 15A-125V DUPLEX RECEPTACLE
- EMERGENCY BATTERY UNIT C/W RECEPTACLE
- FIRE ALARM BELL
- FIRE ALARM MANUAL PULL STATION
- IONIZATION TYPE SMOKE DETECTOR
- RATE-OF-RISE HEAT DETECTOR
- F - DENOTES FIXED TEMPERATURE
- EOL — END OF LINE RESISTOR
- ELECTRICAL PANELBOARD: LIGHTING SEE RISER DIAGRAM E-3
- ELECTRIC BASEBOARD HEATER
- TELEPHONE OUTLET C/W POWER SUPPLY
- EX — SUBSCRIPT 'EX' DENOTES EXISTING ITEM TO BE RE-USED IN NEW LAYOUT
- MOTOR
- MANUAL STARTER
- T — THERMOSTAT
- A — NEW M.H. LIGHT FIXTURE
- R — 15A TWIST LOCK RECEPTACLE (125 V) HUBBELL # 7582
- $T — INTERVAL TIMER. PARAGON #2008-00
- $S — SPEED SWITCH (BY DIS)

**DEMOLITION NOTE FOR DRAWING E-1 ONLY**

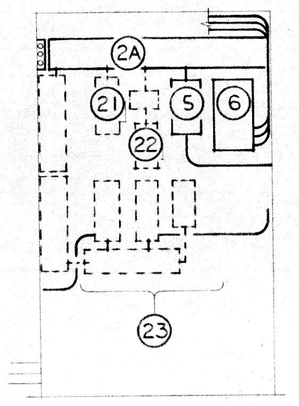
1. DISCONNECT, TAKE DOWN AND COMPLETELY REMOVE EXISTING ICE SURFACE LIGHT FIXTURE, BACKBOXES, ASSOCIATED WIRING AND CONDUIT. DISCARD AS DIRECTED BY OWNER.
2. DISCONNECT AND COMPLETELY REMOVE EXISTING LIGHT FIXTURE, BACKBOX AND ASSOCIATED WIRING.
3. DISCONNECT AND COMPLETELY REMOVE EXISTING EXIT LIGHT FIXTURE TO FACILITATE THE INSTALLATION OF NEW REPLACEMENT FIXTURES IN NEW LAYOUT.
4. DISCONNECT AND COMPLETELY REMOVE EMERGENCY BATTERY UNIT AND RECEPTACLE AND LIGHT FIXTURES TO FACILITATE THE INSTALLATION OF NEW REPLACEMENT UNITS AND FIXTURES IN NEW LAYOUT.
5. DISCONNECT AND COMPLETELY REMOVE EXISTING LIGHT FIXTURE TO FACILITATE THE INSTALLATION OF NEW FIXTURE IN NEW LAYOUT.
6. DISCONNECT AND COMPLETELY REMOVE EXISTING MISCELLANEOUS ITEMS (JUNCTION BOXES, RECEPTACLES, CONDUIT, ETC.) MADE EXPENDABLE BY REMOVABLE OF SOURCE.
7. DISCONNECT AND COMPLETELY REMOVE EXISTING REMOTE BALLASTS, AND ASSOCIATED WIRING.
8. DISCONNECT, TAKE DOWN, AND COMPLETELY REMOVE EXISTING DISCONNECT SWITCHES, CONTACTORS, CONTROLS AND ASSOCIATED WIRING, ETC. FOR RADIANT HEATING BEING REMOVED BY OTHERS.
9. EXISTING ITEM TO BE MAINTAINED FOR RE-USE IN NEW LOCATION.
10. EXISTING P.A. CONTROL UNIT TO BE RE-USED FOR NEW PRESS BOX LAYOUT (BY OTHERS).
11. DISCONNECT AND COMPLETELY REMOVE ALL ELECTRICALLY RELATED ITEMS (UNLESS OTHERWISE NOTED) TO FACILITATE THE REMOVAL OF PRESS BOX BY OTHERS.
12. DISCONNECT MOTOR FEEDERS, CONTROLS, ETC. AND COMPLETELY REMOVE ASSOCIATED BOX AND WIRING TO FACILITATE THE REMOVAL OF EXHAUST FAN BY OTHERS.
13. EXISTING LOUNGE AND OFFICE AREA LIGHTING TO BE MAINTAINED.
14. REFER TO RISER DIAGRAM FOR NEW WORK TO EXISTING POWER DISTRIBUTION EQUIPMENT.
15. REFER TO SITE PLAN DRAWING E-1 FOR DETAILS OF THE REMOVAL OF EXISTING ELECTRICAL SERVICES.
16. EXISTING F.A. PANEL TO BE MAINTAINED. REFER TO DRAWING E-2 FOR ADDITION OF F.A. DEVICES TO BE WIRED TO EXISTING ZONES CIRCUITS.
17. EXISTING CONDUIT AND EXPOSED CABLE RUNS AFFIXED TO EXISTING SOFFIT AND TOP OF WALL. REMOVE ANY OBSOLETE WIRING SUBSEQUENT TO THE REMOVAL OF SOURCE. ALL CONDUIT AND CABLE TO BE REMOVED FROM SOFFIT BEING REMOVED BY OTHERS. RE-ROUTE WIRING ON WALL TO SUIT NEW ITEMS AS PER DRAWING E-2. RE-USE EXISTING CONDUIT ON WALL, IF POSSIBLE.
18. REMOVE ALL WIRING AND COMPONENTS MADE OBSOLETE BY NEW WORK, WHICH IS EITHER PRESENTLY CONCEALED OR DISCOVERED AS A RESULT OF DEMOLITION WORK ON SITE.
19. EXISTING HEAT DETECTORS LOCATED IN BETWEEN EXISTING ROOF MEMBRANE AND REFLECTOR TARP. QUANTITY TO BE VERIFIED UPON REMOVAL OF EXISTING ROOF SYSTEM. DISCONNECT AND COMPLETELY REMOVE EXISTING DETECTORS AND ASSOCIATED WIRING AND CONDUIT.




WEST INTERIOR ELEVATION

N.T.S.

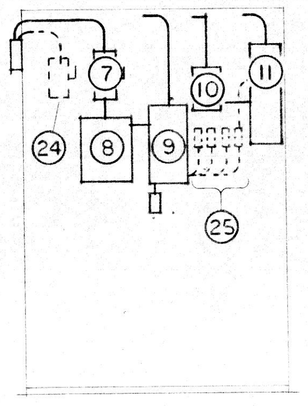
(A) SEE PART PLAN




NORTH INTERIOR ELEVATION

N.T.S.

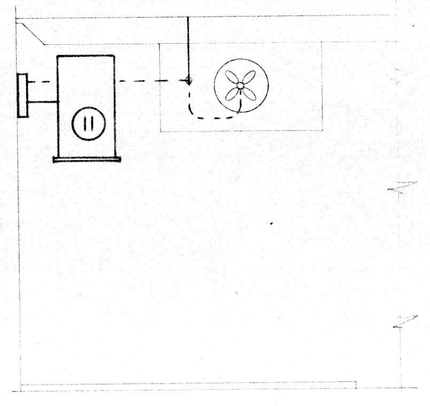
(B) SEE PART PLAN




WEST INTERIOR ELEVATION

N.T.S.

(C) SEE PART PLAN




NORTH-EAST INTERIOR ELEVATION

N.T.S.

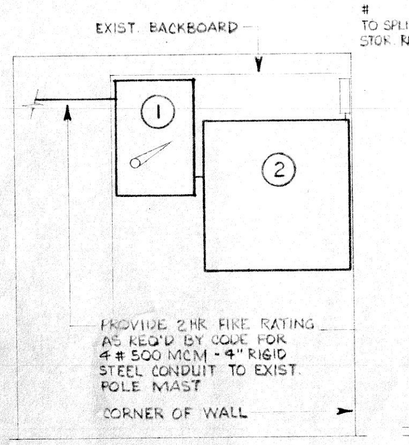
(D) SEE PART PLAN

PART FLOORPLAN - COMPRESSOR ROOM

N.T.S.

NOTE (1) FOR ELECTRICAL DISTRIBUTION EQUIPMENT EXISTING AND REVISIONS SEE INTERIOR ELEVATION (THIS DWG.) AS NOTED

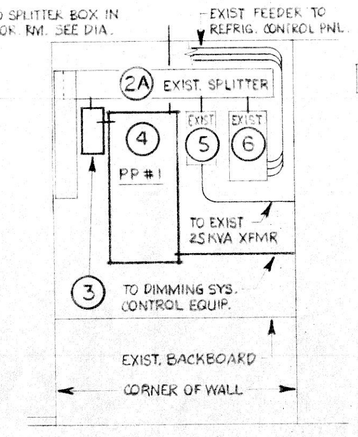
DEMOLITION WORK




WEST INTERIOR ELEVATION

N.T.S.

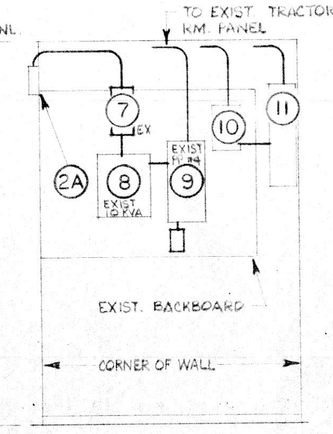
(A) SEE PART PLAN




NORTH INTERIOR ELEVATION

N.T.S.

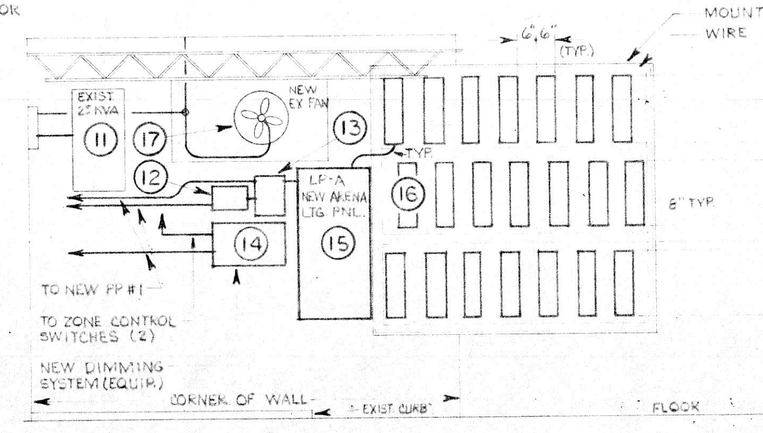
(B) SEE PART PLAN




WEST INTERIOR ELEVATION

N.T.S.

(C) SEE PART PLAN




TYPICAL BALLAST RACK MOUNTING - NORTH-EAST INTERIOR ELEVATION

N.T.S.

ELECTRICAL EQUIPMENT DISTRIBUTION DIAGRAM - NEW WORK

**NOTES FOR WEST END DISTRIBUTION EQUIPMENT ONLY**

1. NEW 400A-347/600V-3Φ-4W SERVICE ENTRANCE DISCONNECT SWITCH. RUN 4 #500 MCM - 4" RIGID STEEL CONDUIT TO EXISTING POLE SERVICE MAST CONNECTION POINT. (SEE DIA.)
2. NEW 48" X 48" X 12"D CURRENT/POTENTIAL TRANSFORMER CABINET.
2A. EXISTING SPLITTER TO BE RE-USED. VERIFY SPLITTER TO BE 400A. (ASSURE SPLITTER IS OF SUITABLE SIZE.)
3. NEW 200A/3 DISCONNECT SWITCH.
4. NEW 200A-347-600V-3Φ-4W 42 CCT PANEL. (SEE BREAKER LISTING THIS DRAWING.)
5. EXISTING 60A DISCONNECT SWITCH FOR 25 KVA (4) TRANSFORMER TO REMAIN.
6. EXISTING 225A-10-3R OVER-CURRENT PROTECTION FOR EXISTING REFRIGERATION SYSTEM CONTROL PANEL TO REMAIN.
7. EXISTING 30A DISCONNECT SWITCH FOR 10KVA TRANSFORMER TO REMAIN.
8. EXISTING 10KVA TRANSFORMER FOR EXISTING PANEL ITEM 9 TO REMAIN.
9. EXISTING PP#4 120/240A TO REMAIN. MAINTAIN EXISTING CIRCUITS AS NOTED. (SEE BREAKER LISTING FOR THIS DRAWING.)
10. EXISTING OVER-CURRENT PROTECTION FOR TRACTOR ROOM PANEL TO REMAIN.
11. EXISTING 25 KVA TRANSFORMER TO REMAIN.
12. NEW ZONE SWITCH. WIRE AS PER DETAIL DRAWING E-2 IN SPECIFICATION SECTION 16520.
13. NEW SINGLE CONTACTOR FOR NEW LP-A.
14. NEW DIMMING SYSTEM TRANSMITTER. WIRE TO ZONE CONTROL SWITCHES (2) ONE IN MAIN OFFICE, ONE IN PRESS BOX.
15. NEW LP-A 100A-347/600V-3Φ-4W 24 CIRCUIT PANEL. ISOLATED PANEL FOR 347V, 1000W H.I.D. LIGHT FIXTURES TYPE 'A'. (SEE BREAKER LISTING.)
16. NEW REMOTE 1000 WATT DIMMABLE BALLAST FOR FIXTURE TYPE 'A'. (TYPICAL OF 21) INSTALL STAGGERED FOR VENTILATION ON 1/8" THICK STEEL, WALL MOUNTED PLATE. SEE WIRING DIAGRAM E-2 IN SPECIFICATION SECTION 16520.
17. EXISTING EXHAUST FAN TO BE REPLACED BY NEW EF-5 AND REWIRED. SEE MECHANICAL EQUIPMENT SCHEDULE, SPECIFICATION SECTION 16700 FOR DETAILS.
18. EXISTING 100A-10-3R (COMPLEX) SERVICE TO BE DISCONNECTED AND REMOVED COMPLETELY. MAKE GOOD AT EXISTING POLE MAST.
18A. EXISTING 400A 3P SPLITTER TO BE REMOVED COMPLETELY.
19. EXISTING 200A-600V-1Φ-3W SERVICE SWITCH TO BE REMOVED COMPLETELY.
20. EXISTING 36" X 36" X 10"D CT/PT CABINETS TO BE REMOVED COMPLETELY.
21. EXISTING 30A HEATING UNIT DISCONNECT SWITCH AND ASSOCIATED WIRING TO BE DISCONNECTED AND REMOVED COMPLETELY.
22. EXISTING GROUND DETECTION DEVICE AND ASSOCIATED 30A DISCONNECT SWITCH TO BE REMOVED COMPLETELY.
23. EXISTING 200A SPLITTER, RADIANT HEATER DISCONNECT SWITCHES AND ASSOCIATED WIRING TO BE DISCONNECTED AND REMOVED COMPLETELY.
24. EXISTING DISCONNECT SWITCH FOR EXISTING PRESS BOX, AND ASSOCIATED WIRING TO BE REMOVED COMPLETELY.
25. EXISTING MANUAL STARTERS FOR EXISTING EXHAUST FANS AND WIRING TO BE DISCONNECTED AND REMOVED COMPLETELY.

REVISIONS

| no. | date | description |
|---|---|---|

group eight engineering limited
627 main street east
hamilton ontario
tel: (416) 525-6069

A. P. CYRIAC
SECRETARY PROFESSIONAL ENGINEER PROVINCE OF ONTARIO

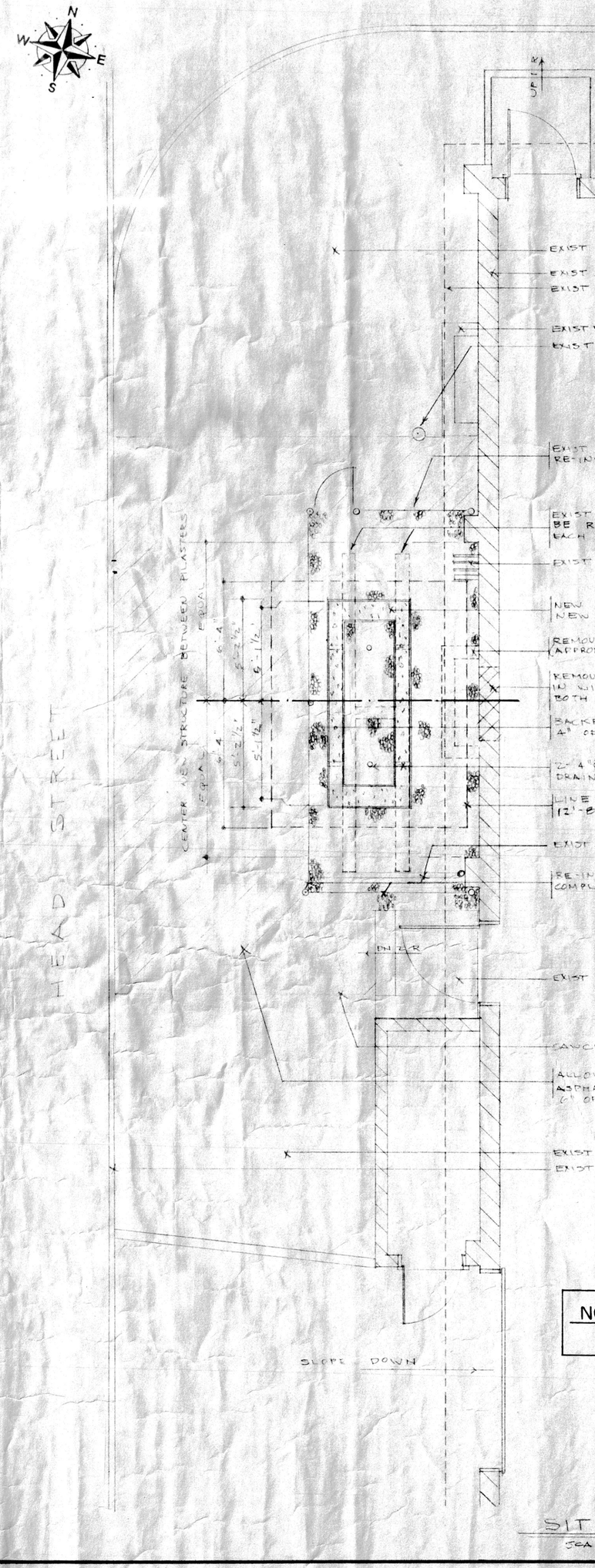
P.P.H

project title:
TALBOT STREET ARENA
PHASE 1
NEW ARENA SUPERSTRUCT

drawing title:
PART SITE PLAN, ELECTR
RISER AND DETAIL

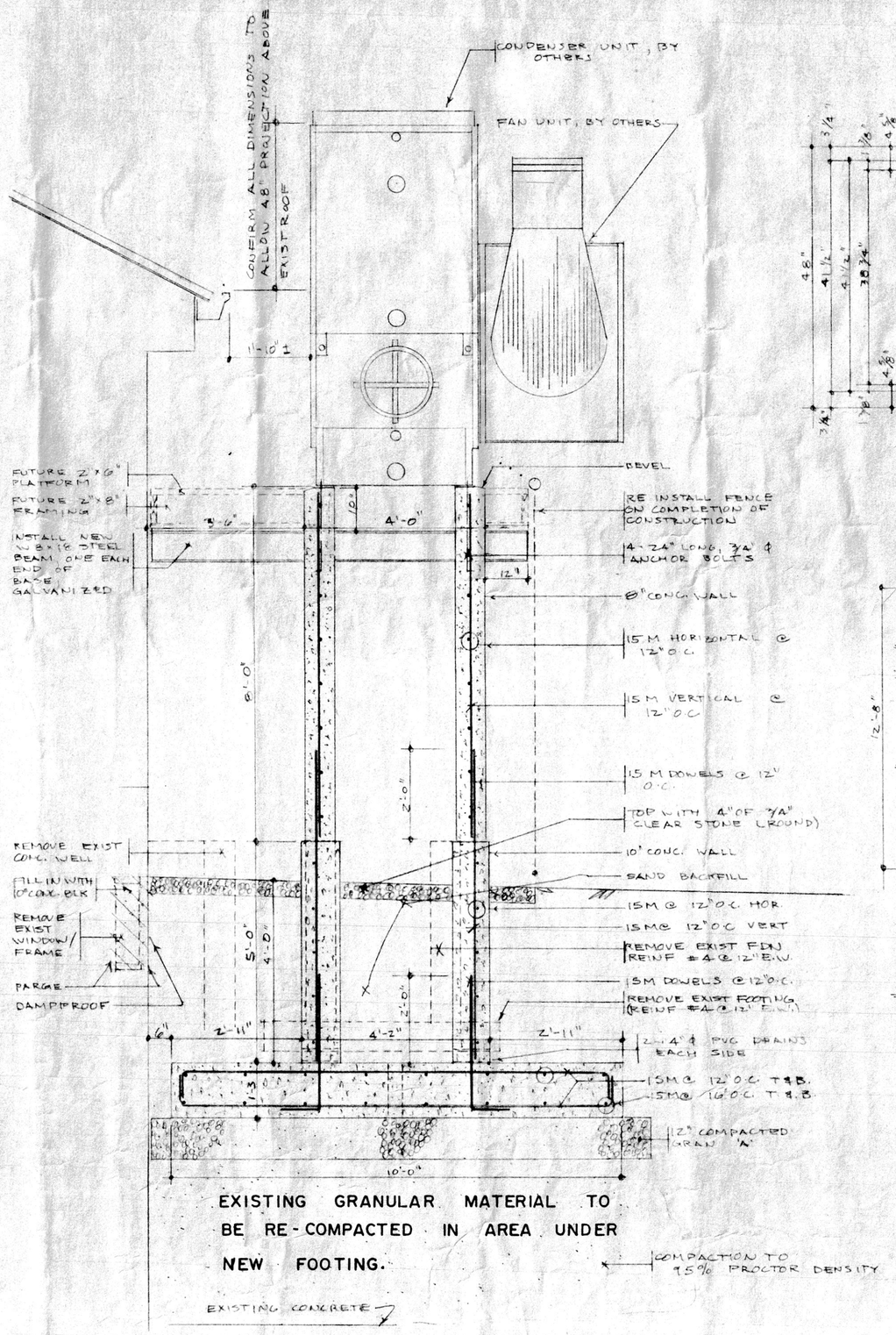
| | |
|---|---|
| drawn: | scale: AS NOTED |
| date: NOV./90 | project number: 901 |
| checked: A.P.C. | This set contains DRAWING NU |
| date: NOV./90 | drawings E- |

REVIEWED
JAN 23 1991
PER D.H. FERGUSON M.A.A.T.O.
CHIEF BUILDING OFFICIAL
REGIONAL MUNICIPALITY OF HALDIMAND NORFOLK



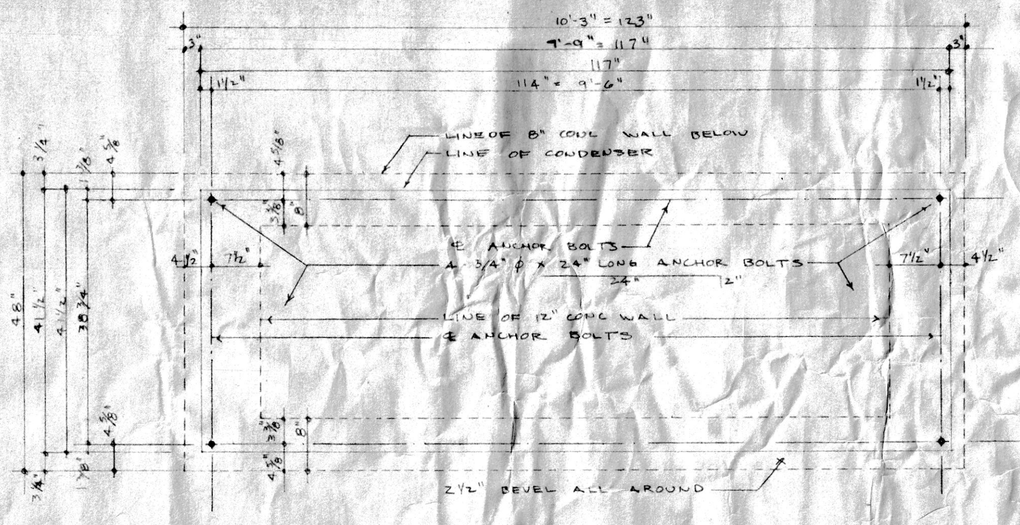

SITE PLAN
SCALE 1/4" = 1'-0"

NOTE: USE 35 MPa CONCRETE WITH 6% AIR ENTRAINMENT



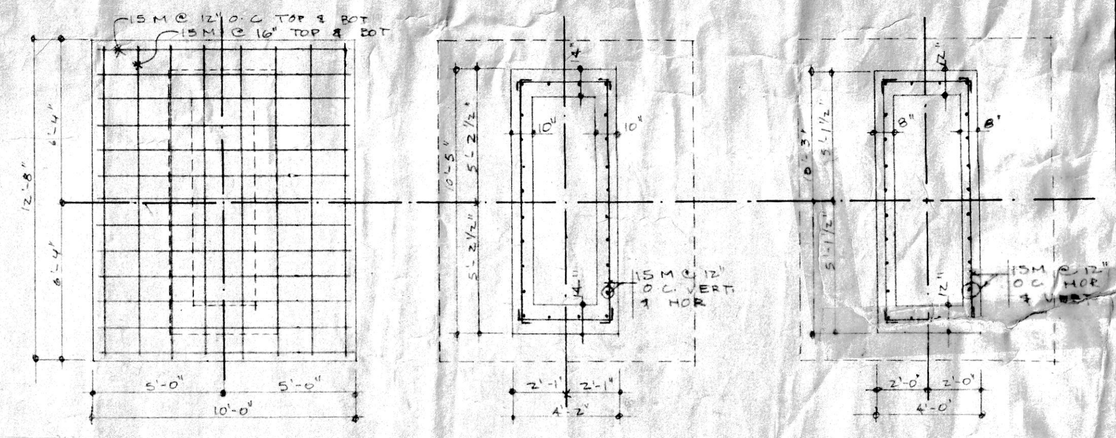

NOTE:
1. ALL CONDITIONS IN THIS AREA HAVE NOT BEEN VERIFIED
2. GENERAL CONTRACTOR TO LOCATE ANY/ALL SERVICES IN CONSTRUCTION AREA PRIOR TO ANY CONSTRUCTION
3. REMOVE EXIST FENCE/ POSTS FOR INSTALLATION OF NEW CONDENSER BASE; RE-INSTALL FENCE ON COMPLETION OF PROJECT
4. NEW CONCRETE WALLS TO BE FINISHED TO MATCH EXIST. PIERS OF STEEL FRAME OF ARENA (I.E. TO BE RUBBED & PATCHED)
5. SNAP TIES FOR CONC. WALL CONSTRUCTION TO BE REMOVED BELOW FINISHED SURFACE OR COMPLETELY REMOVED FROM WALL (TO NOT STAIN WALL IN TIME) (EXTERIOR SURFACE ONLY)
6. GEN. CONTRACTOR TO INCLUDE SOIL INSPECTION ALLOWANCE TO VERIFY BEARING FOR FOOTING - MIN. REQUIRED RESISTANCE 2500 psf

TYPICAL SECTION
SCALE 1/2" = 1'-0"




NOTE
CONTRACTOR TO CONFIRM DIMENSIONS WITH CONDENSER SUPPLIER PRIOR TO CONSTRUCTION

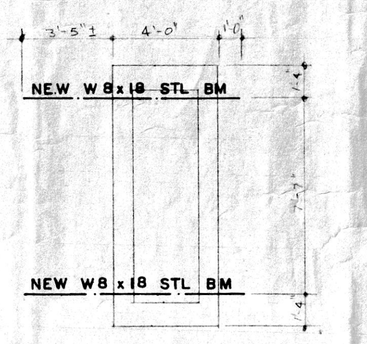
FOUNDATION ANCHOR BOLT LAYOUT
SCALE 3/4" = 1'-0"



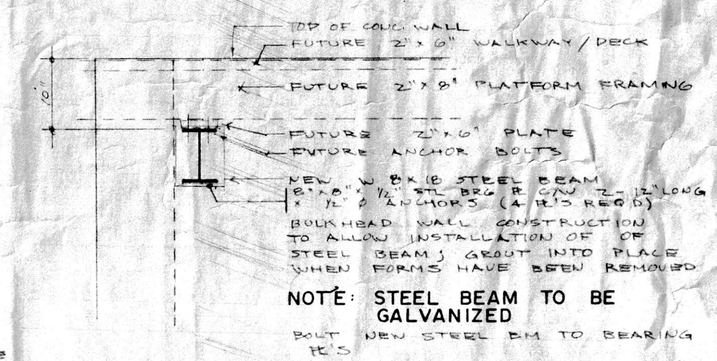

PLAN - FOOTING
SCALE 1/4" = 1'-0"

PLAN - LOWER WALL
SCALE 1/4" = 1'-0"

PLAN - UPPER WALL
SCALE 1/4" = 1'-0"




NOTE: STEEL BEAMS TO BE SUPPLIED & INSTALLED UNDER THIS CONTRACT




SCALE 1/4" = 1'-0"

PLAN - PLATFORM FRAMING
SCALE 1/4" = 1'-0"

CONDENSER NOTES

1) UNIT TO BE SUPPLIED & INSTALLED BY BRENNAN REFRIGERATION, LONDON 519-453-9100 (ALEX BRENNAN)
2) UNIT SHIPPING WEIGHT 6900 #
3) OPERATING WEIGHT 8500 #
4) BLOWER UNIT WEIGHT 400 #


**G. DOUGLAS VALLEE LIMITED**
**CONSULTING ENGINEERS & ARCHITECT**
51 PARK ROAD, R.R.1 SIMCOE, ONTARIO N3Y 4J9 519-426-6270


| DATE | REVISIONS |
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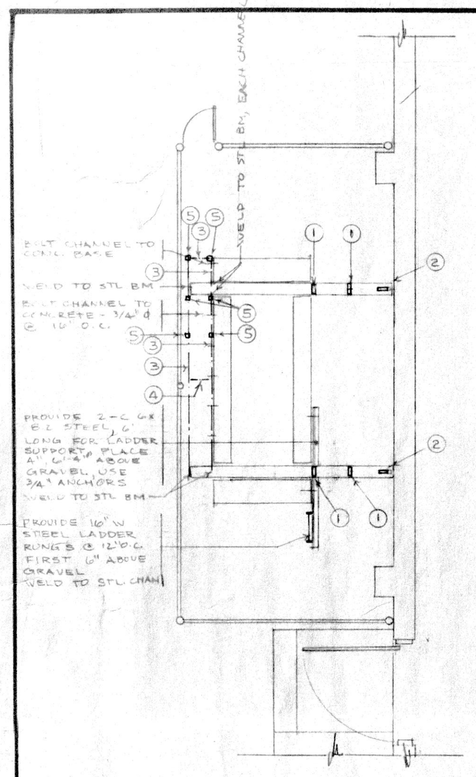
REGISTERED PROFESSIONAL ENGINEER — CIVIL — G. D. VALLEE — PROVINCE OF ONTARIO

PROPOSED CONDENSER BASE
TALBOT GARDEN ARENA
SIMCOE, ONT.

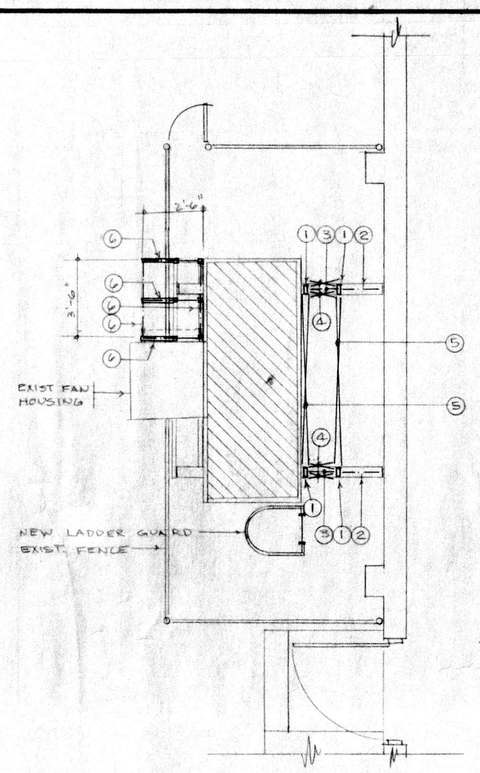
DATE AUG 04 1994

DRAWING 94036-1 DWG 1 OF 1



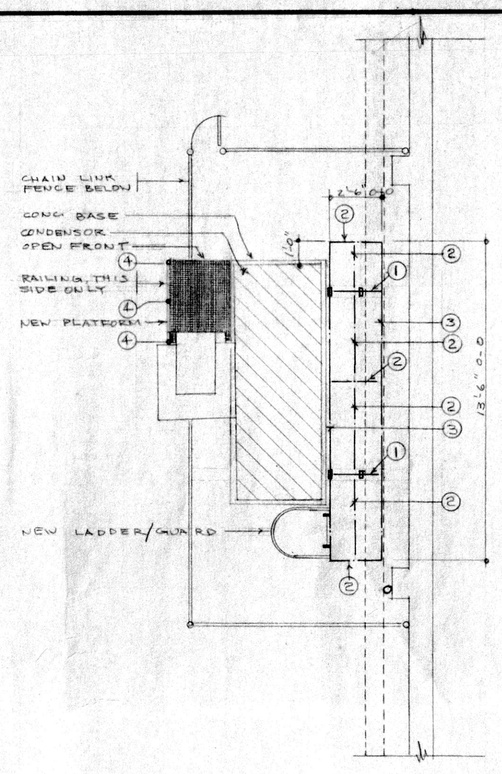

1. 5" x 3" x 0.25" WALL HSS LEG
2. 2½" x 2½" x 0.125" WALL HSS BRACE
3. C 8 x 11.5 STEEL CHANNEL
4. C 6 x 8.2 STEEL CHANNEL CROSS
5. 2" x 2" x 0.188" WALL HSS LEGS

SECTION 1/2 — SCALE ¼"=1'-0"



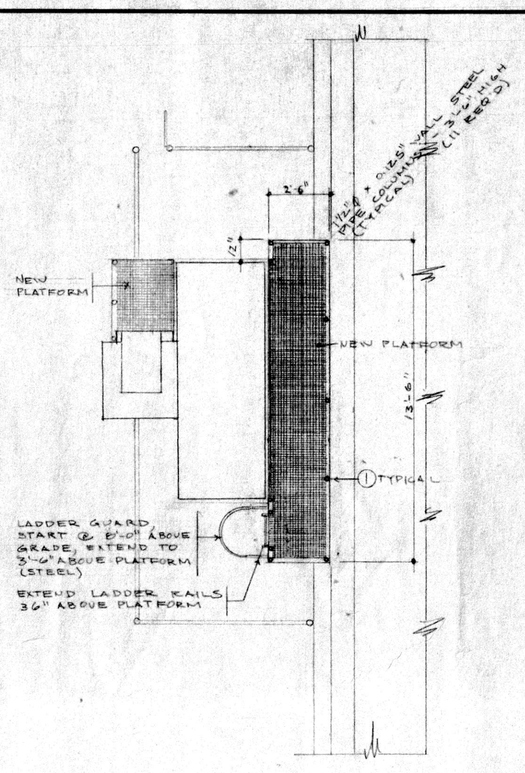

1. 5" x 3" x 0.25" WALL HSS LEG
2. 2½" x 2½" x 0.125" WALL HSS BRACE
3. 2½" x 2½" x 0.125" WALL HSS CROSS
4. 1" x 1" x ⅛" STL ∠'S, 2 PAIR EACH
5. 2" x 2" x ¼" STL ∠'S, 2 EACH X-BRACE
6. 2" x 2" x 0.188" WALL HSS PLATFORM FRAME

SECTION 2/2 — SCALE ¼"=1'-0"




1. 5" x 3" x 0.25" WALL HSS, ON FLAT
2. 3" x 3" x 0.25" WALL HSS
3. 4" x 3" x 0.25" WALL HSS, ON FLAT
4. 1½" ø x 0.125" WALL HSS RAILING

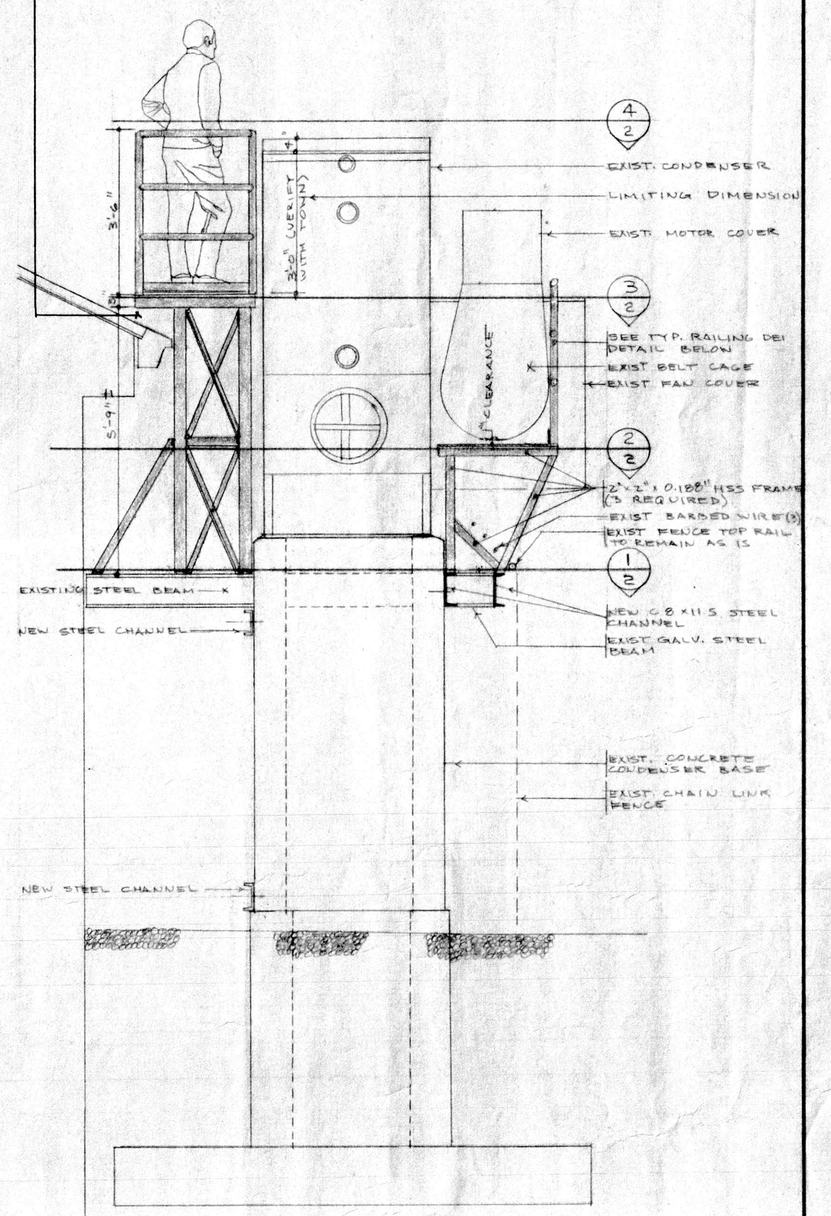
SECTION 3/2 — SCALE ¼"=1'-0"



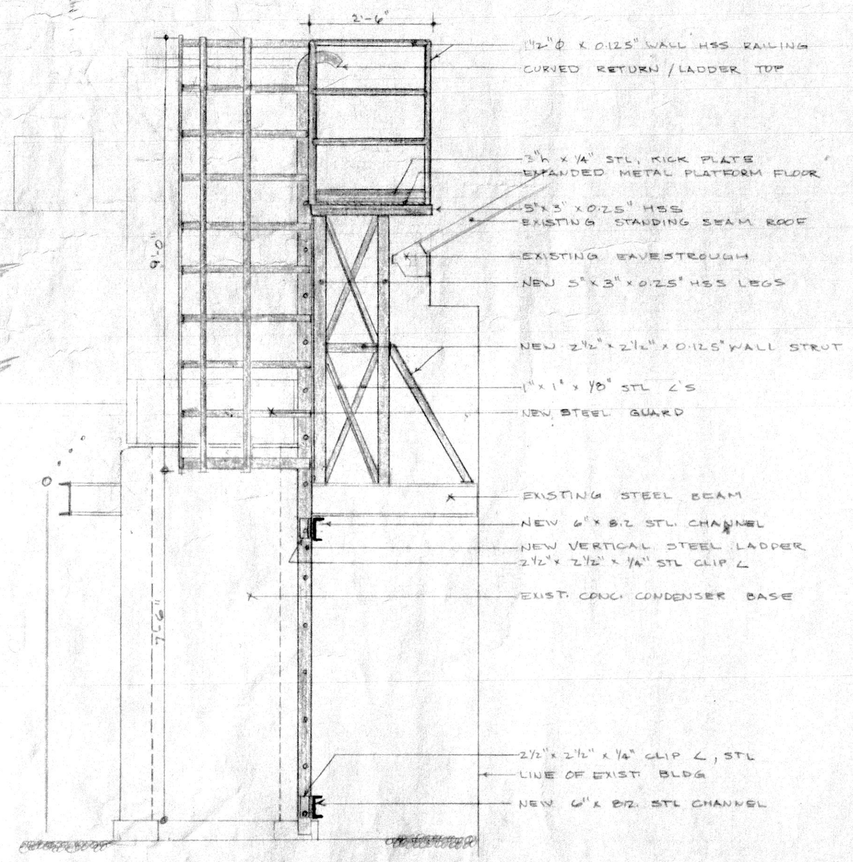

1. 1½" ø x 0.125" WALL HSS RAILING

SECTION 4/2 — SCALE ¼"=1'-0"

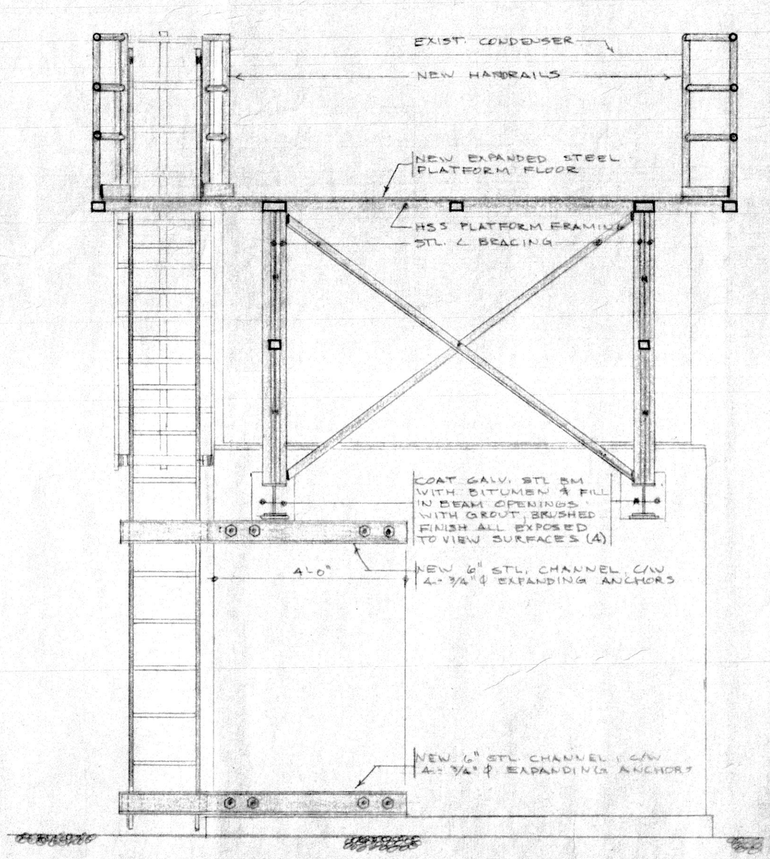
VERIFY ROOF CLEARANCE PRIOR TO ANY FABRICATION.



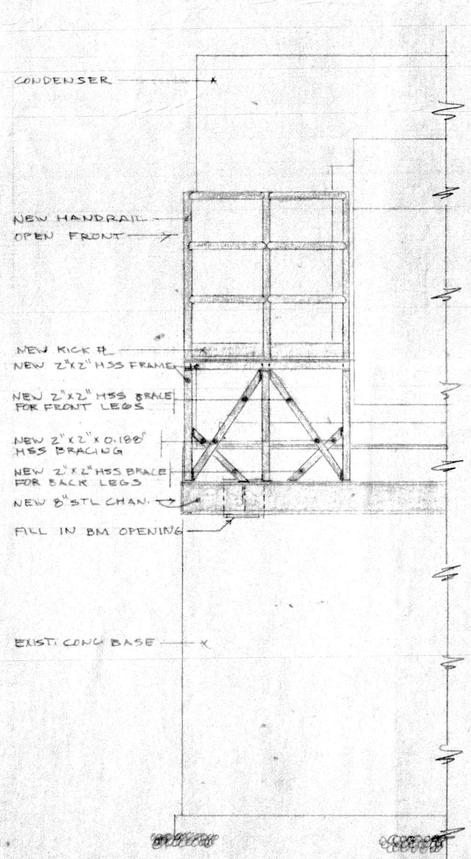

NORTH ELEVATION
SCALE ½"=1'-0"




SOUTH ELEVATION
SCALE ½"=1'-0"



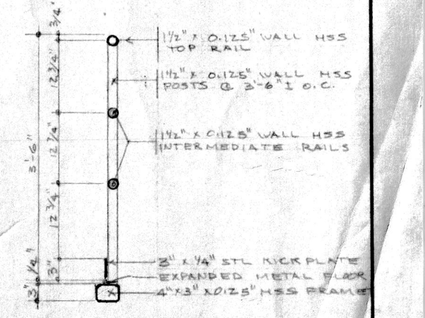

EAST ELEVATION / SECTION
SCALE ½"=1'-0"




PARTIAL WEST ELEVATION
SCALE ½"=1'-0"

NOTES:

1. ALL DIMENSIONS TO BE FIELD VERIFIED.
2. ALL HSS STEEL: G40.21 CLASS H SOW
3. ALL OTHER STEEL: G40.21, 44W
4. TOUCH UP GALV. STEEL BEAM WITH ZINC RICH PAINT, TO MATCH GALV. FINISH.
5. NEW STEEL TO BE CLEANED, PRIMED AND PAINTED WITH MIN. 2 COATS HIGH GLOSS METAL PAINT.
6. COLOUR BY TOWN OF SIMCOE.




TYPICAL RAILING
SCALE ¾"=1'-0"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REGISTERED PROFESSIONAL ENGINEERS — CIVIL — G. D. VALLEE — PROVINCE OF ONTARIO

PROPOSED SERVICING PLATFORMS FOR CONDENSER
TALBOT GARDEN ARENA
SIMCOE, ONT

**DATE** JUL 19 1995 | **DRAWING** 94036-2 DWG 2 OF 2

YOUNG STREET

ROW

49.5'

C+G

297'

88'

PARKING LOT

TALBOT STREET

HEAD STREET

362.5'

MARKET STREET

39.5'

ARENA

20.5'

OLD FIRE HALL

67'

66'

ROBINSON STREET

| | |
|---|---|
| TOWN OF SIMCOE | |
| TALBOT ST. ARENA | |
| PLAN | |
| SCALE: 1"=20' | DRAWN BY: D.G.L. |
| DATE: AUG 1990 | DRWG. NO. 1 |