

RENOVATIONS & ADDITION TO

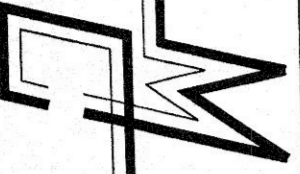
LANGTON ARENA

30 ALBERT ST.
LANGTON, ONTARIO

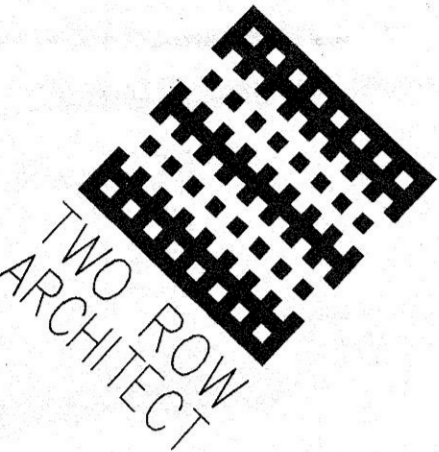
OWNER:

THE CORPORATION OF
NORFOLK COUNTY
183 MAIN ST.
DELHI, ONTARIO N4B 2M3
TENDER NO. PW-FF-02.009

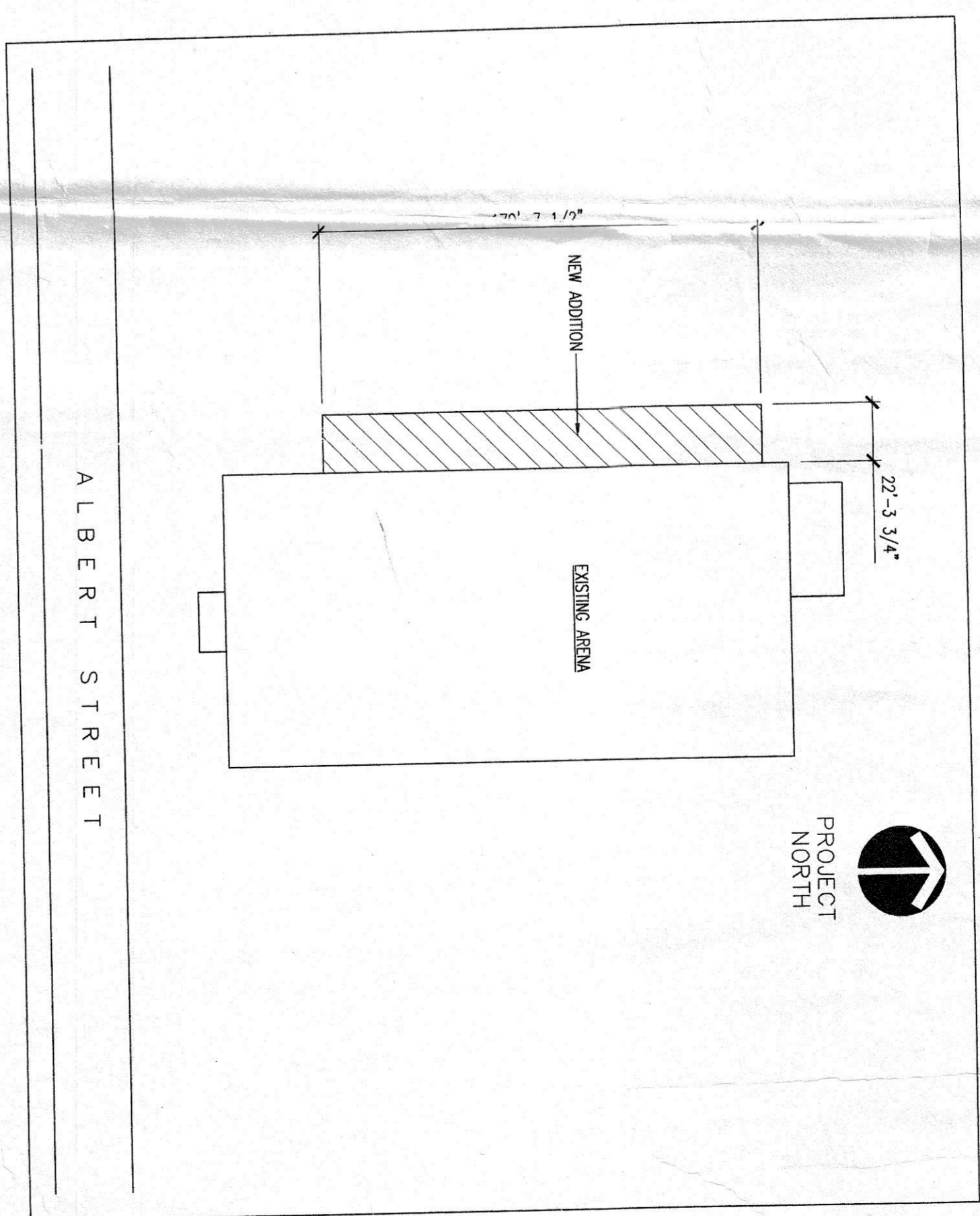
CONSULTANTS:



M C ENGINEERING P.O. Box 1002, Simcoe, Ont. N3Y 5B3
Tel: 519-428-6790 Fax: 519-428-8960
E-mail: molen@mcengineering.net
A DIVISION OF 392583 ALBERTA LTD.



TWO ROW ARCHITECT
Oshweken, Ontario
Phone: 1-519-445-2137



KEY PLAN

SCALE: 1" = 50'-0"

DRAWING LIST

A1/8	NOT USED	S1/	FOUNDATION PLAN/ROOF FRAMING PLAN
A2/8	OVERALL FLOOR PLAN/SITE STATISTICS/OCCUPANT LOAD	S2/	SECTIONS/DETAILS/LINTEL SCHEDULE
A3/8	PARTIAL ENLARGED FLOOR PLANS		
A4/8	BUILDING ELEVATIONS	M1/3	FLOOR PLAN - PLUMBING
A5/8	SECTIONS/DETAILS	M2/3	FLOOR PLAN - HVAC
A6/8	SECTIONS/DETAILS	M3/3	MECHANICAL SPECIFICATIONS
A7/8	DRESSING ROOM LAYOUT/SCHEDULES/WASROOM DETAILS	E1/2	FLOOR PLAN - LIGHTING
A7/8	DASHER BOARDS & SEATING	E2/2	FLOOR PLAN - POWER

AS BUILT
Project Manager
PH: 652-3830
Verly Const.
Gyl Bil



- CONTRACTOR MUST VERIFY ALL JOB DIMENSIONS, MATERIALS AND SPECIFICATIONS, AND REPORT ANY DISCREPANCIES TO ENGINEERS BEFORE PROCEEDING WITH THE WORK.
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- ISSUED FOR REVIEW
- ISSUED FOR TENDER
- ISSUED FOR PERMIT
- ALL DIMENSIONS NOT TO BE USED FOR CONSTRUCTION UNLESS COUNTERSIGNED BY THE CONSULTANT.

DATE _____
SIGNATURE _____

THE FOLLOWING DRAWINGS AND NOTES TO BE CONSIDERED AS PART OF THE CONSTRUCTION DRAWINGS:

NO.	DESCRIPTION	DATE	BY
2	SEALED FOR PERMIT	APR. 16/22	
1	SEALED FOR TENDER	APR. 16/22	
A	SEALED FOR REVIEW	APR. 10/22	

DO NOT SCALE DRAWINGS. THESE DRAWINGS SHOW INTENT OF THE DESIGN ONLY OR EXISTING CONDITIONS AND MAY NOT REFLECT EXACT LOCATIONS.

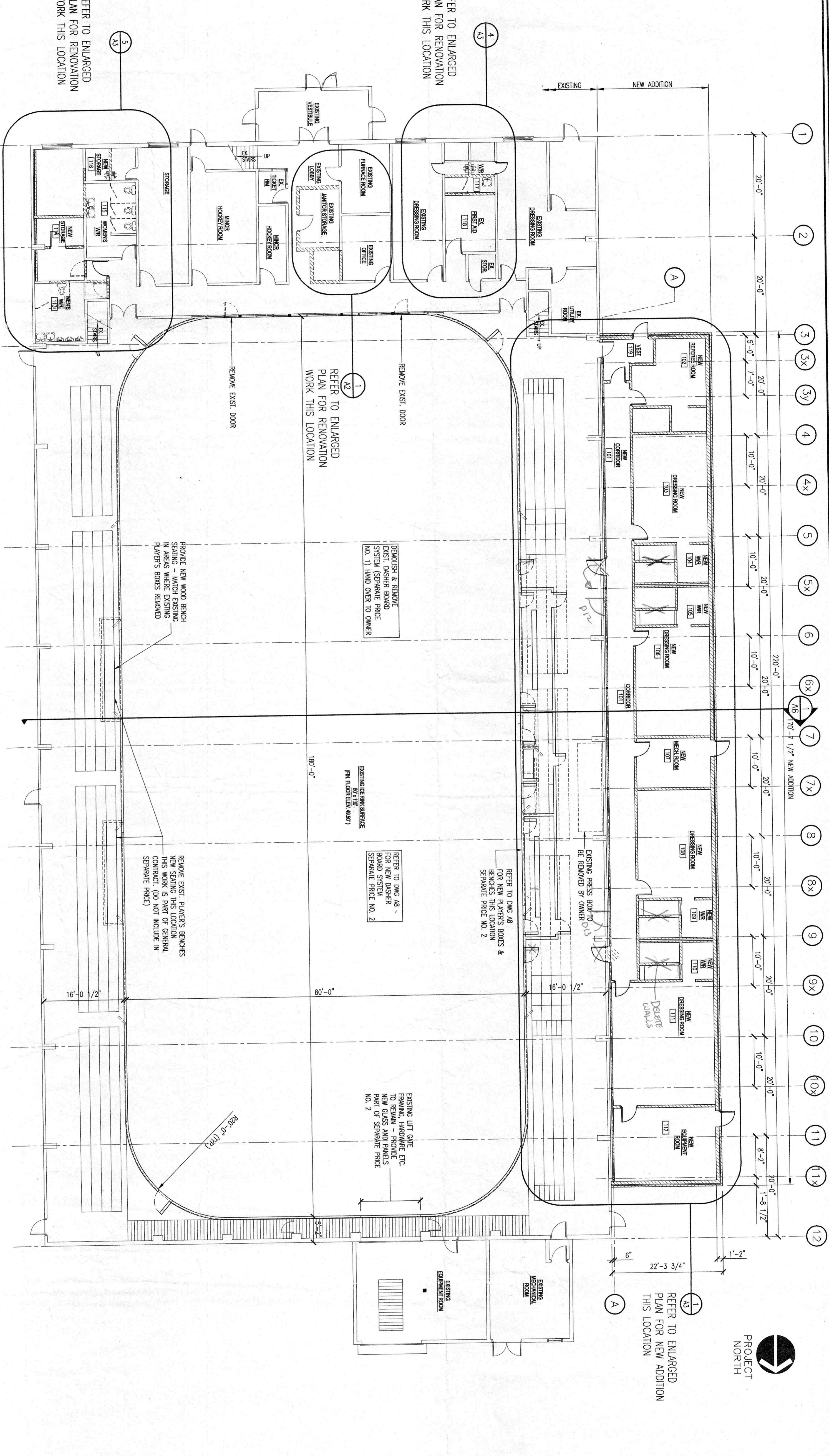
ONTARIO ASSOCIATION OF ARCHITECTS
REGISTERED PROFESSIONAL ENGINEER
M. E. MORRISON
PROVINCE OF ONTARIO

M. C. ENGINEERING P.O. Box 1002, Simcoe, Ont. N3Y 5B3
Tel: 519-428-6790 Fax: 519-428-8980
A Division of: MCGILL ASSOCIATES LTD.

Ontario
TWO ROW ARCHITECT

RENOVATIONS & ADDITION
LANGTON ARENA
NORFOLK COUNTY
LANGTON, ONTARIO

PROJECT NO. 1675
DRAWN BY P.J./M.E.M.
CHECKED BY P.J./M.E.M.
DATE MAR./24
FILE NAME 1675.DWG



OVERALL FLOOR PLAN
SCALE: 3/32" = 1'-0"

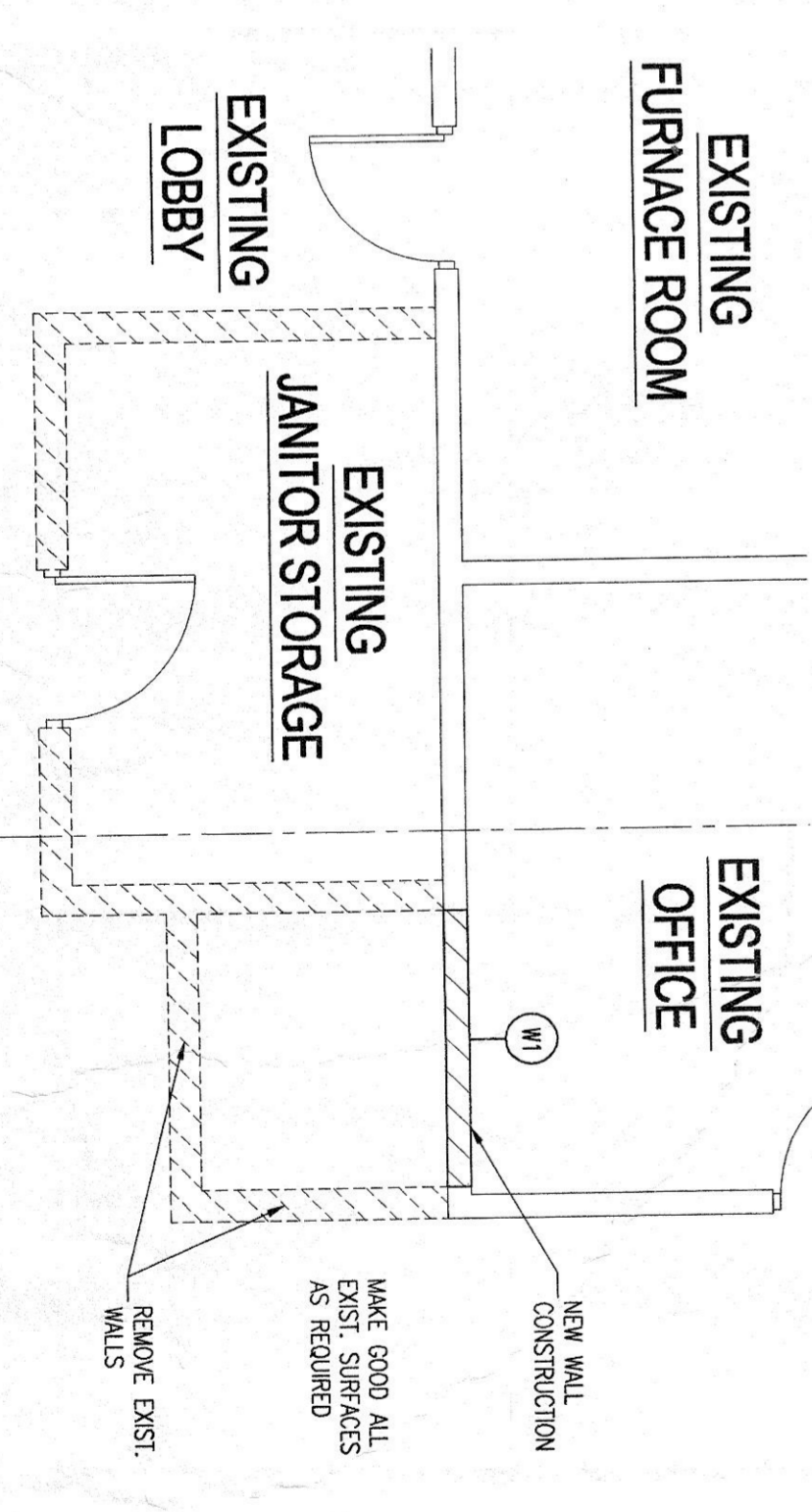
SITE STATISTICS
BUILDING AREA:
Existing Ground Floor = 26,109 Sq. Ft. (2,425.49 Sq. M.)
New Addition = 3,807.07 Sq. Ft. (353.82 Sq. M.)
Total Building Area = 29,916.07 Sq. Ft. (2,780.31 Sq. M.)

FLOOR AREA:
Existing Ground Floor = 26,109 Sq. Ft. (2,425.49 Sq. M.)
Existing Second Floor = 3,162 Sq. Ft. (293.86 Sq. M.)
New Addition = 3,807.07 Sq. Ft. (353.82 Sq. M.)
Total Gross Floor Area = 33,078.07 Sq. Ft. (3,074.17 Sq. M.)

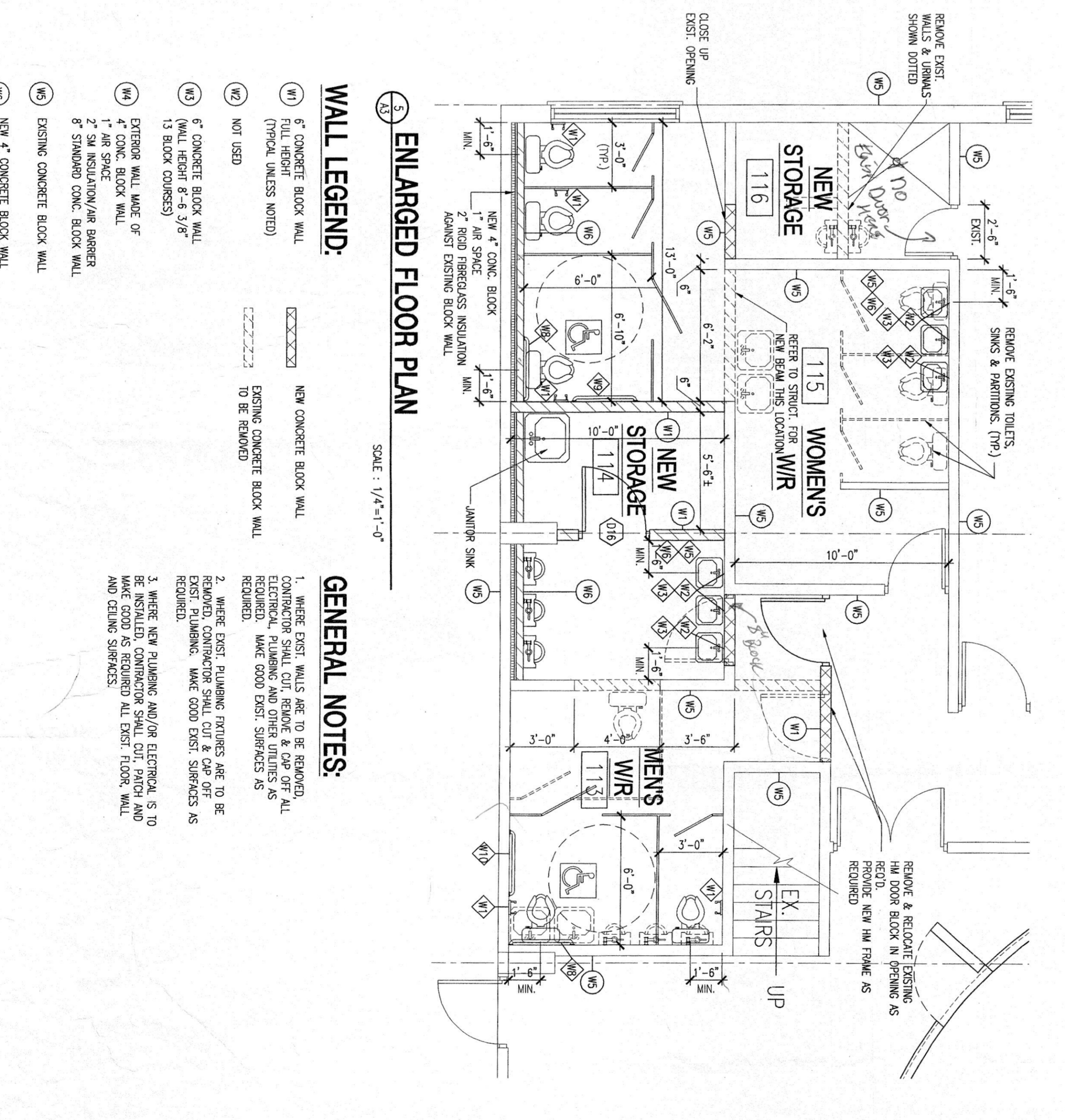
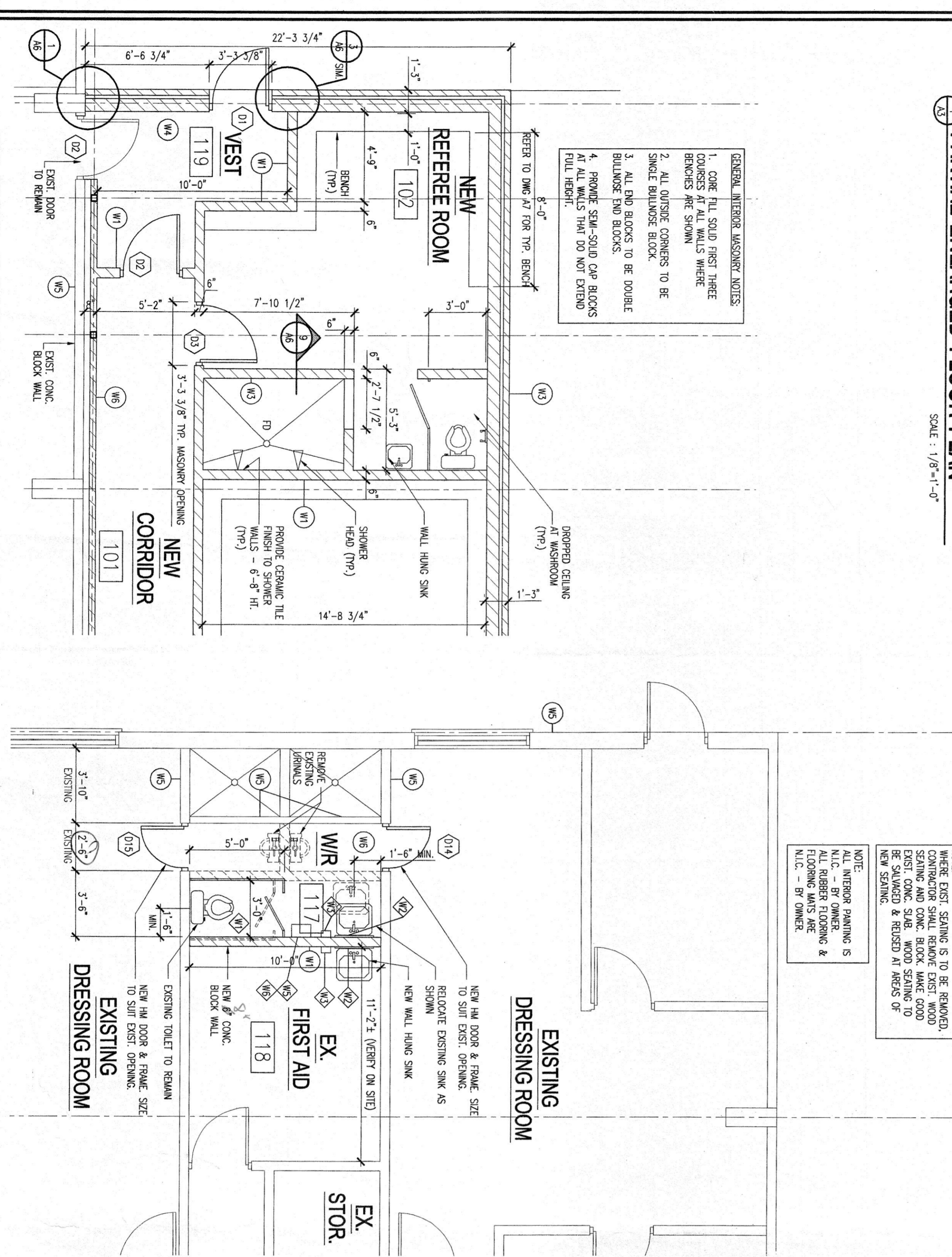
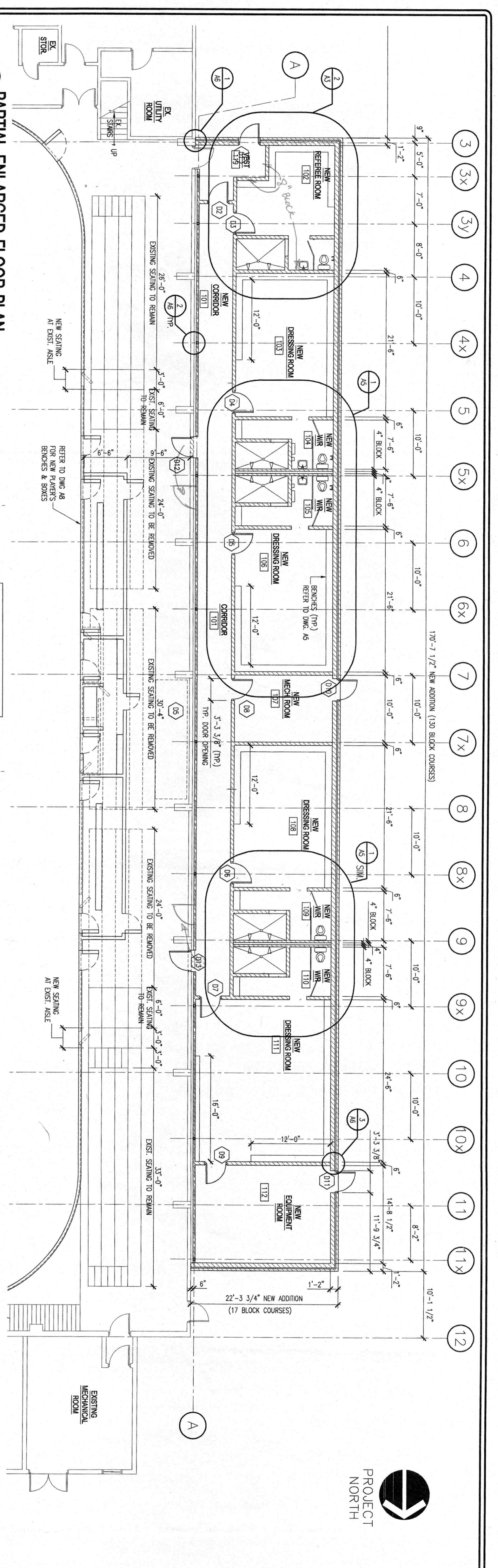
O.B.C. CONFORMANCE:
CONFORMANCE TO O.B.C. SENTENCE 3.2.2.32
(Group A, Division 3) (Facing 2 streets)

Roof Assembly - 45 min. Fire-Resistance Rating
Supporting Assembly - 45 min. rating or non-combustible

OCCUPANT LOAD
O.B.C. 3.1.16
Assembly use
Exhibition Hall
1,338 Sq.M. x 2.8 = 477
Space with fixed seats
279 Lin.M. x 0.45 = 620
Total Occupant Load = 1097
(Arena area)
Exit Capacity of Rink Area
477 persons x 6.1 = 2.9 M aggregate exit width



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



CONTRACTOR MUST VERIFY ALL JOB DIMENSIONS, ALL DRAWINGS, DETAILS AND SPECIFICATIONS, AND REPORT ANY DISCREPANCIES TO ENGINEER BEFORE PROCEEDING WITH THE WORK.

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ISSUED FOR REVIEW _____ DATE _____

ISSUED FOR TENDER _____ DATE _____

ISSUED FOR PERMIT _____ DATE _____

ALL DRAWINGS NOT TO BE USED FOR CONSTRUCTION UNLESS APPROVED BY THE CONSULTANT.

SIGNATURE _____ DATE _____

THE FOLLOWING DRAWINGS AND NOTES TO BE CONSIDERED AS PART OF THE CONSTRUCTION DRAWINGS.

NO.	REVISION	DESCRIPTION	DATE	BY
1	ISSUED FOR PERMIT		APR. 16/02	
2	ISSUED FOR TENDER		APR. 16/02	
3	ISSUED FOR REVIEW		APR. 16/02	

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ASSOCIATION OF ARCHITECTS

REGISTERED PROFESSIONAL ENGINEER

M. E. MORRISON

PROVINCE OF ONTARIO

M C ENGINEERING P.O. Box 1022, Simcoe, Ont. N3Y 5S3

1800-392-5433

1800-392-5433

A DIVISION OF 392543 ALTA, LTD.

TWO ROW ARCHITECT

Ontario

LANGTON ARENA

NORFOLK COUNTY

LANSON, ONTARIO

RENOVATIONS & ADDITION

SHEET TITLE: PARTIAL ENLARGED FLOOR PLANS

SCALE: AS SHOWN

PROJECT NO: 1675

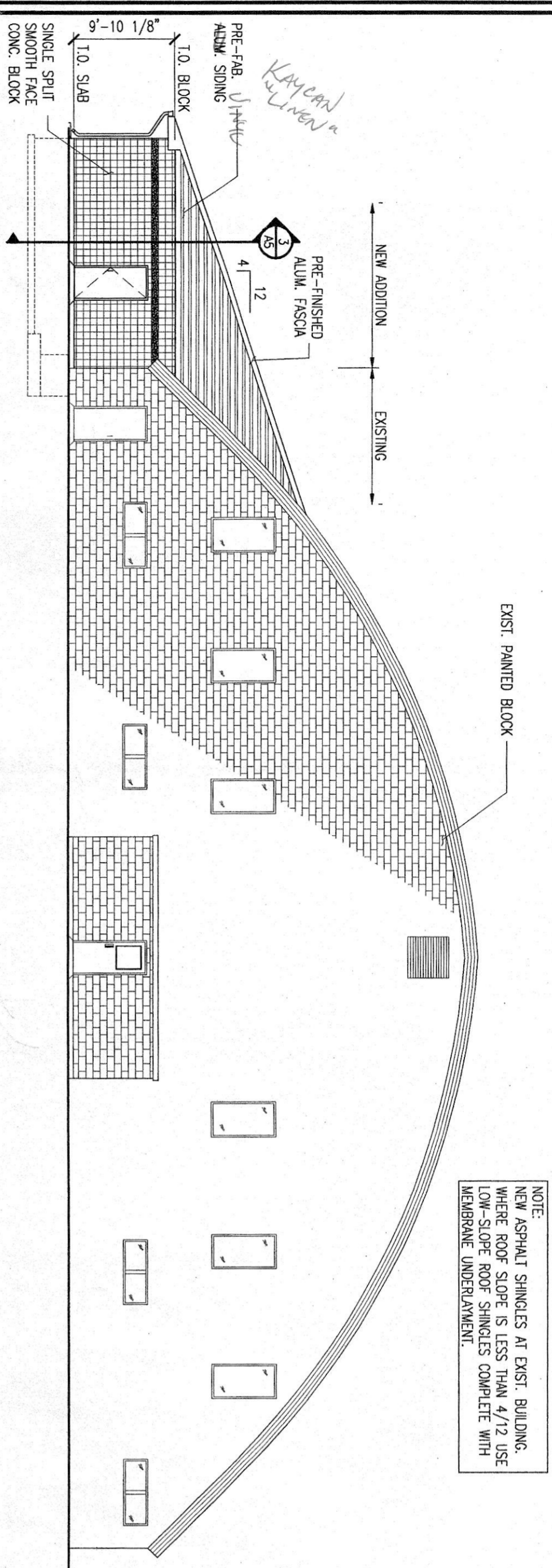
DWG. NO: A3

REV. NO: 2

CHECKED BY: F.J./M.E.K.

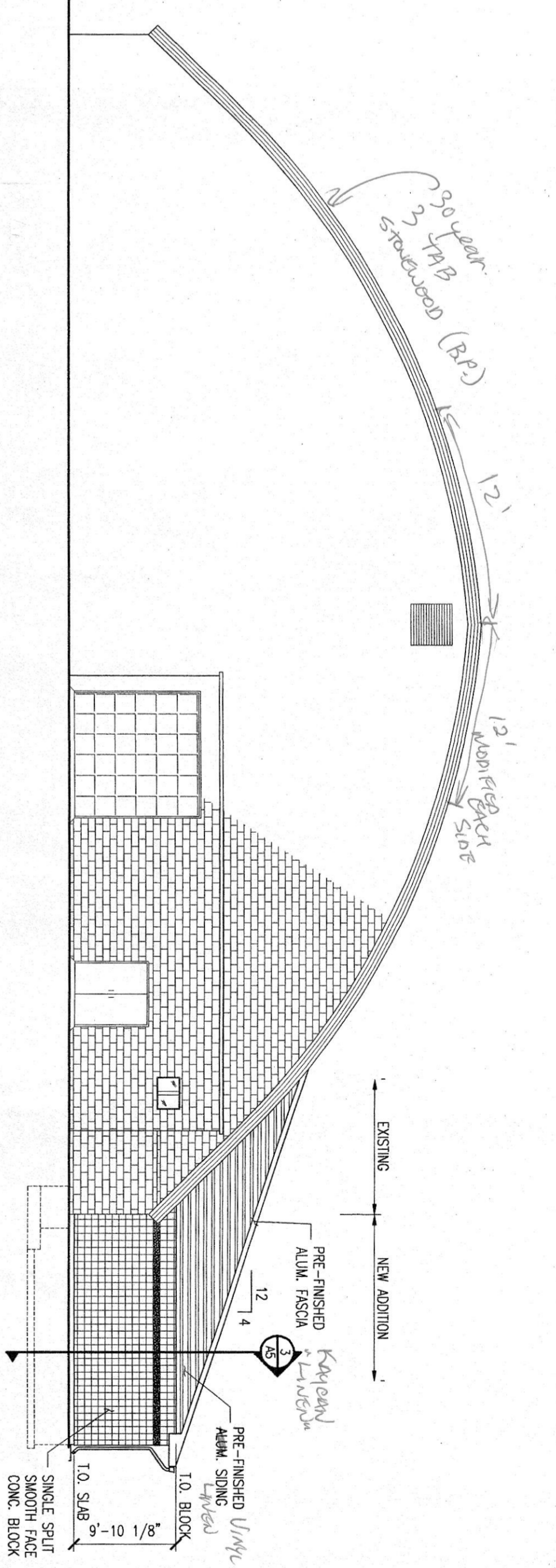
DATE: MAR/04

DWG. DATE: 1675.DWG

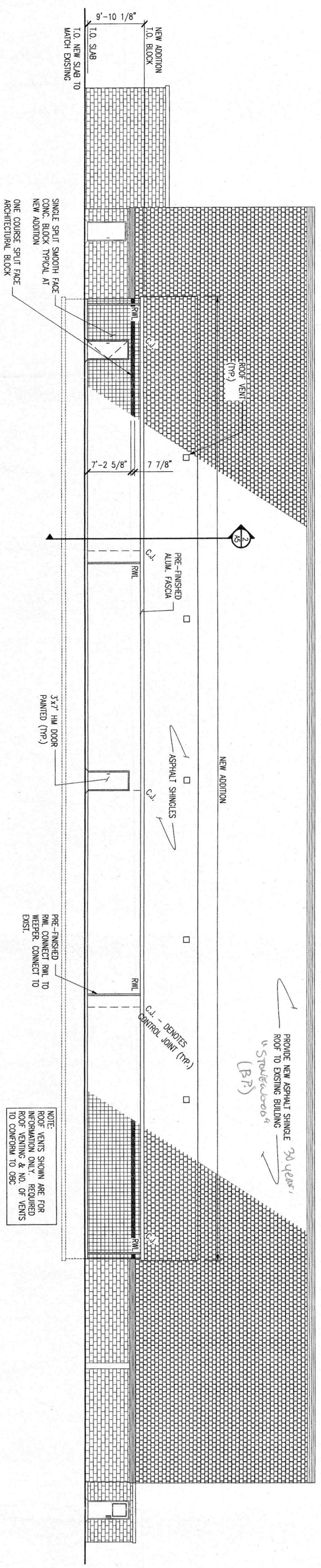


SOUTH ELEVATION
SCALE 3/32" = 1'-0"

NOTE:
NEW ASPHALT SHINGLES AT EXIST. BUILDING,
WHERE ROOF SLOPE IS LESS THAN 4/12 USE
LONG-SLOPE ROOF SHINGLES COMPLETE WITH
LATERAL RESTRAINT.



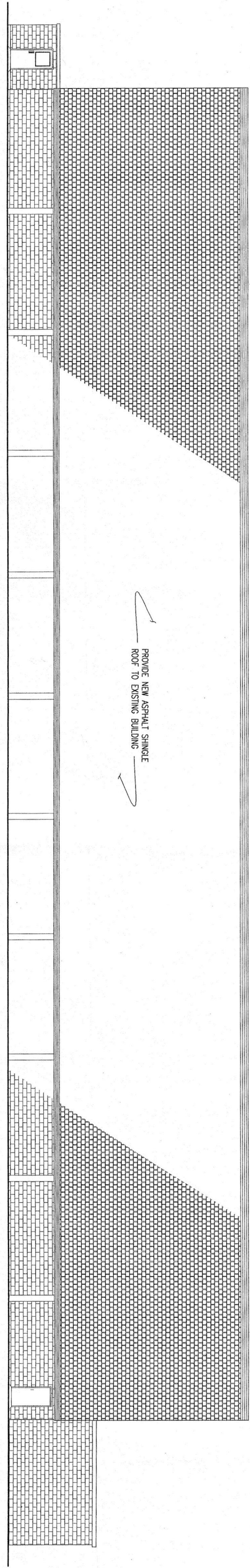
NORTH ELEVATION
SCALE 3/32" = 1'-0"



WEST ELEVATION
SCALE 3/32" = 1'-0"

NOTE:
CONTRACTOR TO PAINT ALL
NEW SURFACES WITH
FINISH COLOUR AS SELECTED BY OWNER

NOTE:
ROOF VENTS SHOWN ARE FOR
INFORMATION ONLY. REQUIRED
NO. OF VENTS
TO CONFORM TO DRS.



EAST ELEVATION
SCALE 3/32" = 1'-0"

PROVIDE NEW ASPHALT SHINGLE
ROOF TO EXISTING BUILDING

PROVIDE NEW ASPHALT SHINGLE
ROOF TO EXISTING BUILDING
U-Stud/boards
(B.F.)

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NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR PERMIT	APR. 19/02	
2	ISSUED FOR TENDER	APR. 19/02	
1	ISSUED FOR REVIEW	APR. 19/02	
A	ISSUED FOR REVIEW	APR. 19/02	

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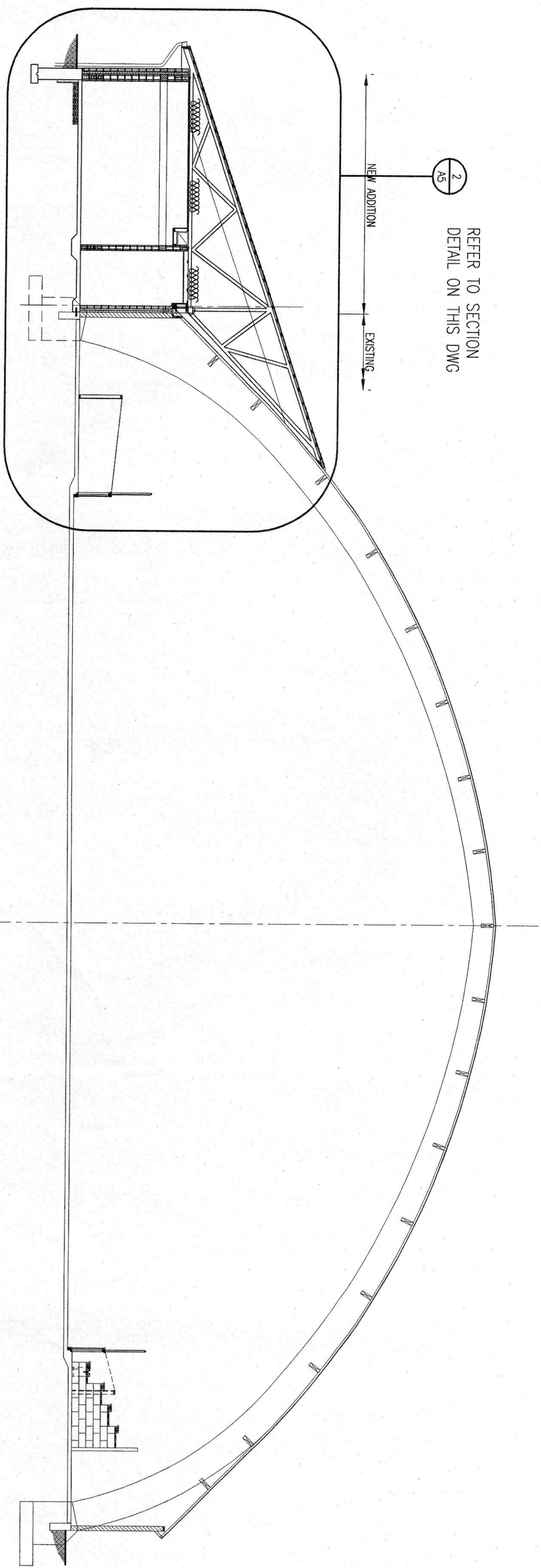
ONTARIO ASSOCIATION OF ARCHITECTS
REGISTERED PROFESSIONAL ENGINEER
M. E. MORRISON
PROV. NO. 10000

M C ENGINEERING P.O. Box 1002, Simco, Ont. N3Y 4S3
Tel: 519-428-6790 Fax: 519-428-8980
A DIVISION OF 392583 ALBERTA LTD.

TWO ROW ARCHITECT
Ottawa
Ontario

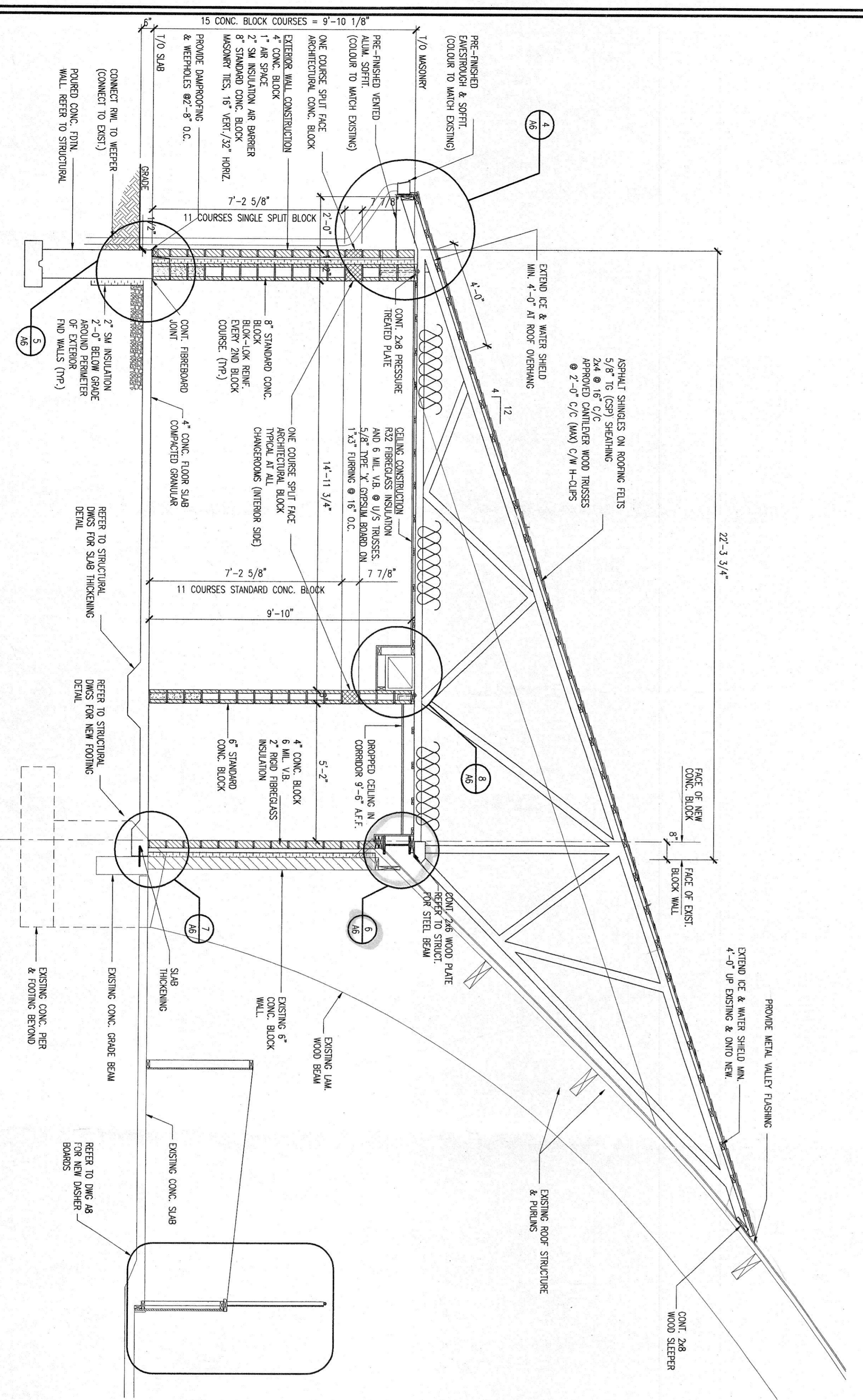
RENOVATIONS & ADDITION
LANGTON ARENA
NORFOLK COUNTY
LANGTON, ONTARIO

PROJECT NO. **1675**
DRAWN BY P.J./M.E.L.
CHECKED BY P.J./M.E.L.
DATE MAR/04
FILE NAME 1675.DWG



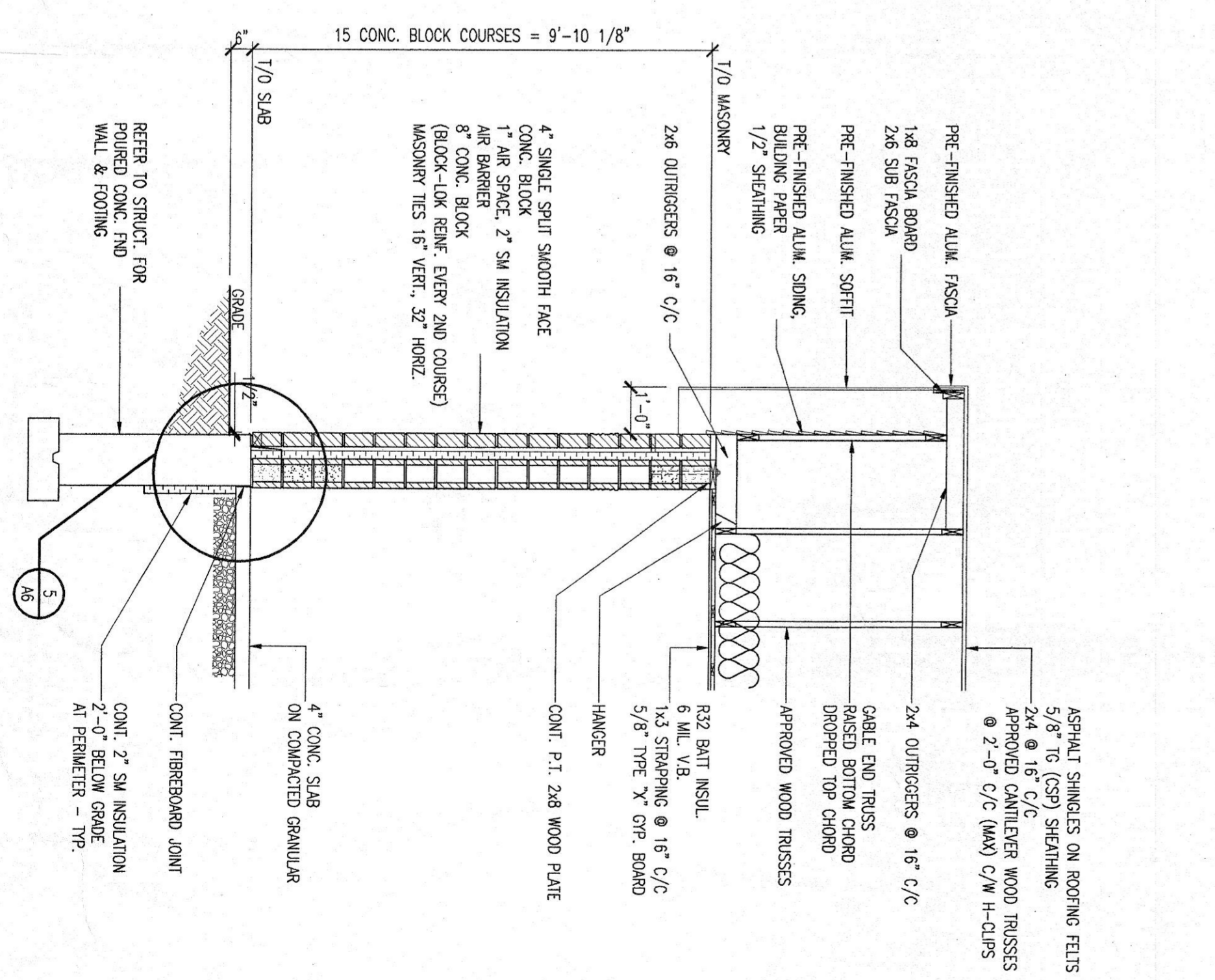
1 SECTION

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



2 DETAIL

SCALE: 3/8"=1'-0"



3 SECTION

SCALE: 3/8"=1'-0"

BY: _____
 SIGNATURE: _____
 THE FOLLOWING DRAWINGS AND NOTES IN THIS SET ARE THE PROPERTY OF M.C. ENGINEERING AND ARCHITECTS. THEY ARE TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. THEY ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF M.C. ENGINEERING AND ARCHITECTS.

NO.	REVISION	DESCRIPTION	DATE
2	ISSUED FOR PERMIT		APR. 18/23
1	ISSUED FOR TENDER		APR. 18/23
A	ISSUED FOR REVIEW		APR. 18/23

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 REGISTERED PROFESSIONAL ENGINEER
 M. E. MORRISON
 LICENSE NO. 10000

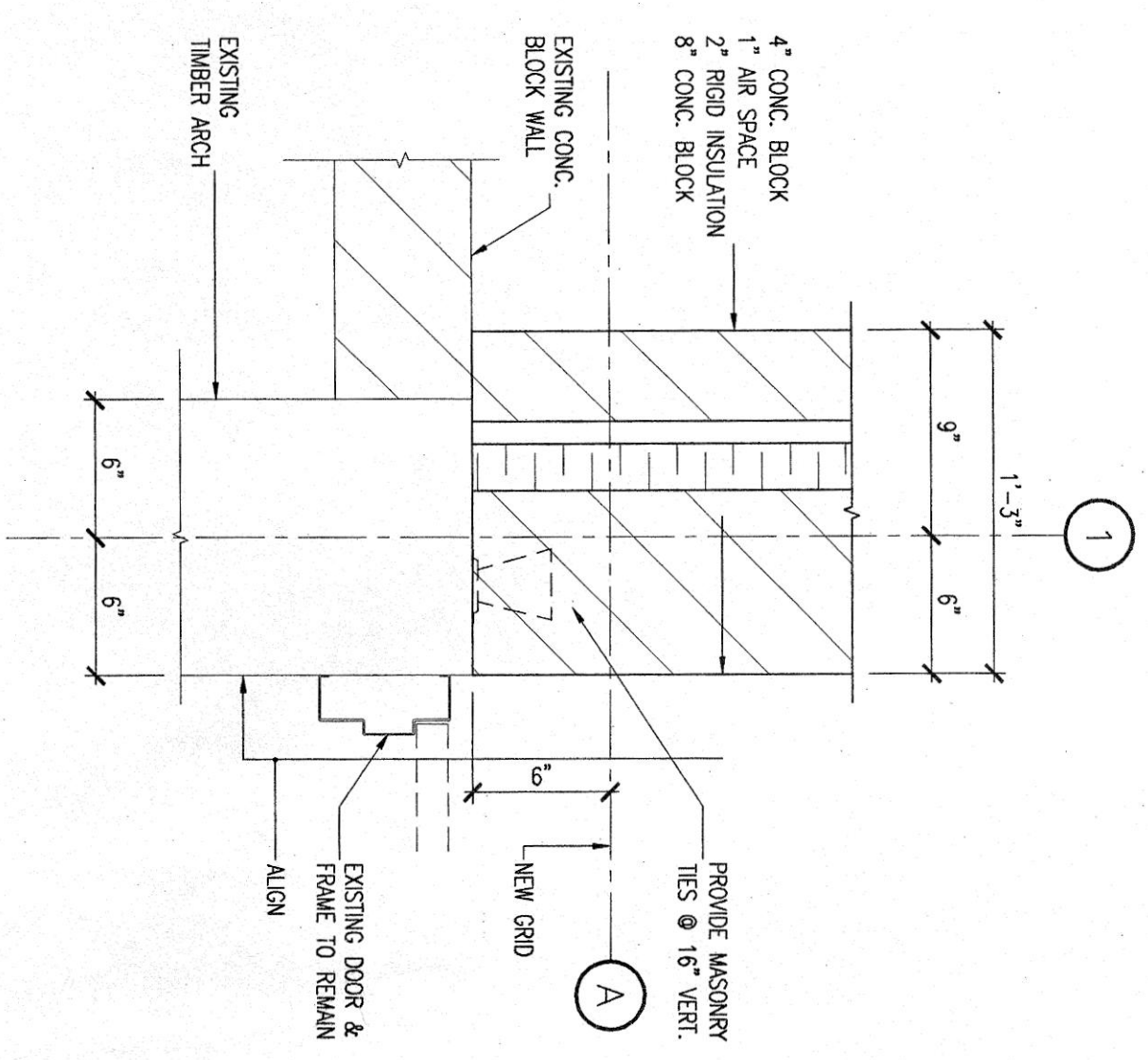
M C ENGINEERING P.L.O. Box 1002, Simco, Ont. N3Y 5B3
 Tel: 519-486-9700 Fax: 519-426-8880
 A DIVISION OF 392883 ALBERTA LTD.

THO ROW ARCHITECT
 Ontario

PROJECT NAME: RENOVATIONS & ADDITION
 SHEET TITLE: SECTIONS/DETAILS
 LANGTON ARENA
 NORFOLK COUNTY
 LANGTON, ONTARIO

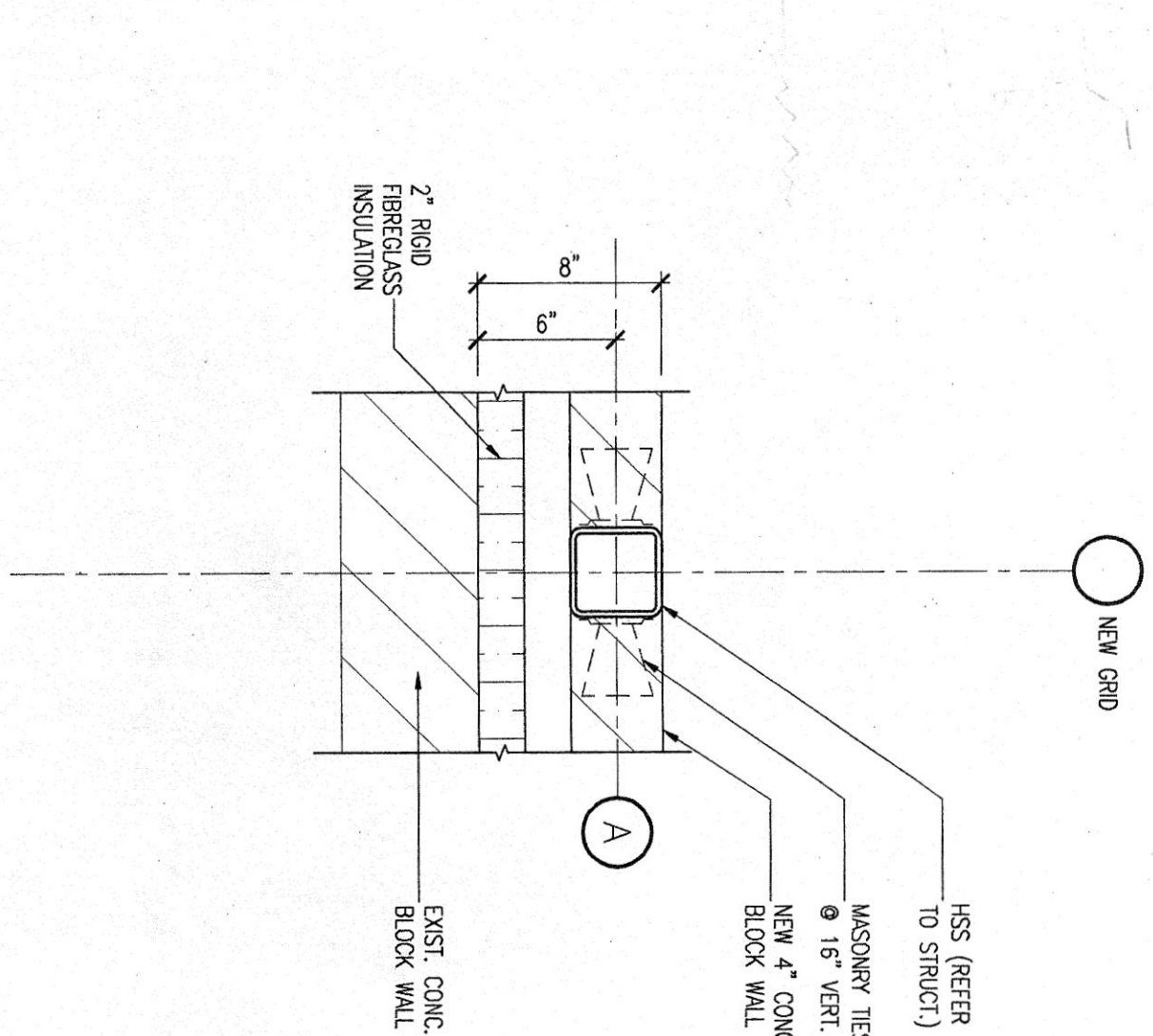
SCALE: AS SHOWN
 DRAWN BY: P.J./M.E.M.
 CHECKED BY: P.J./M.E.M.
 DATE: MAR/24
 FILE NAME: 1675.DWG

PROJECT NO.: 1675
 DWG. NO.: A5
 REV. NO.: 2



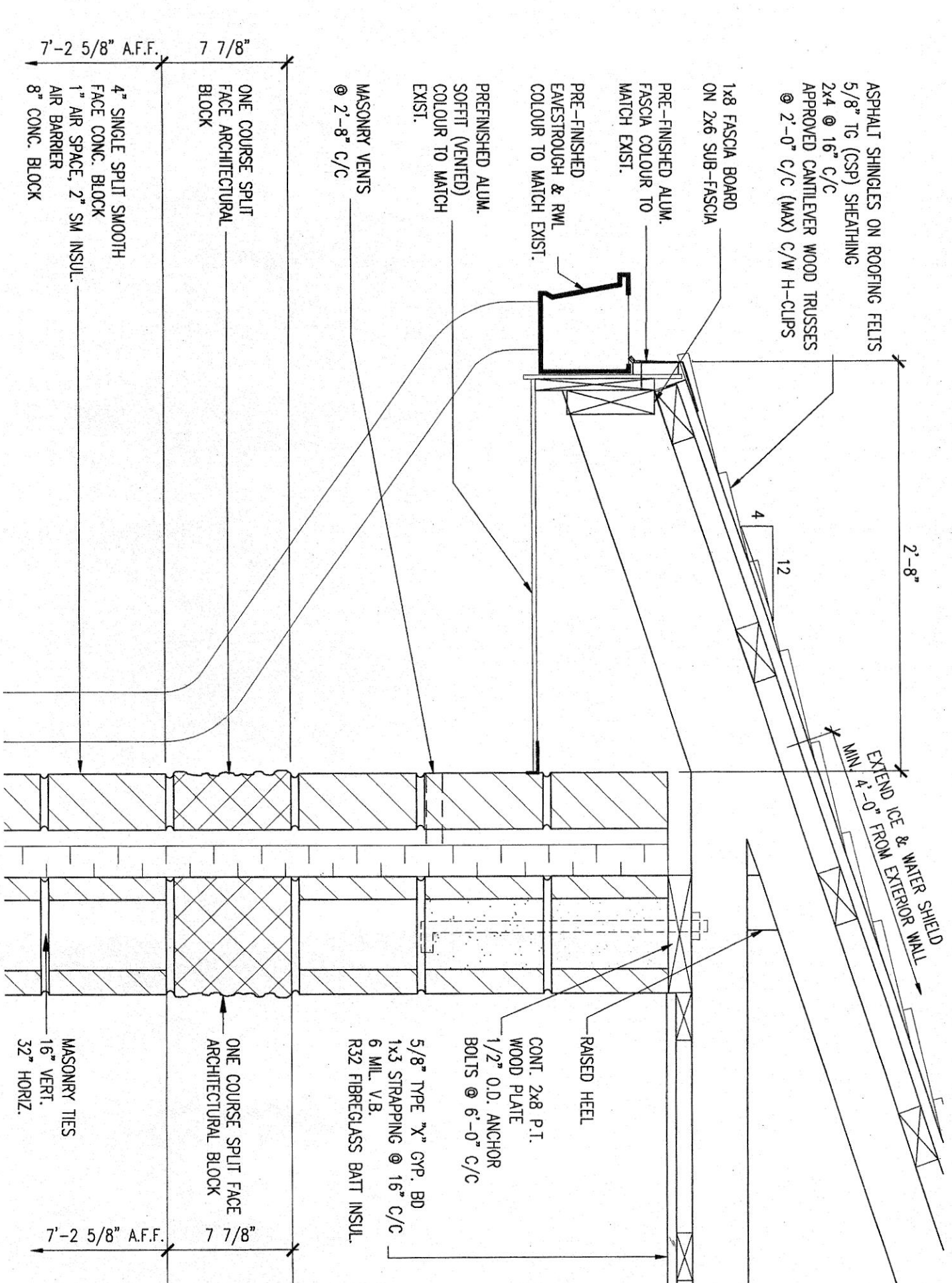
1 DETAIL

SCALE: 1 1/2"=1'-0"



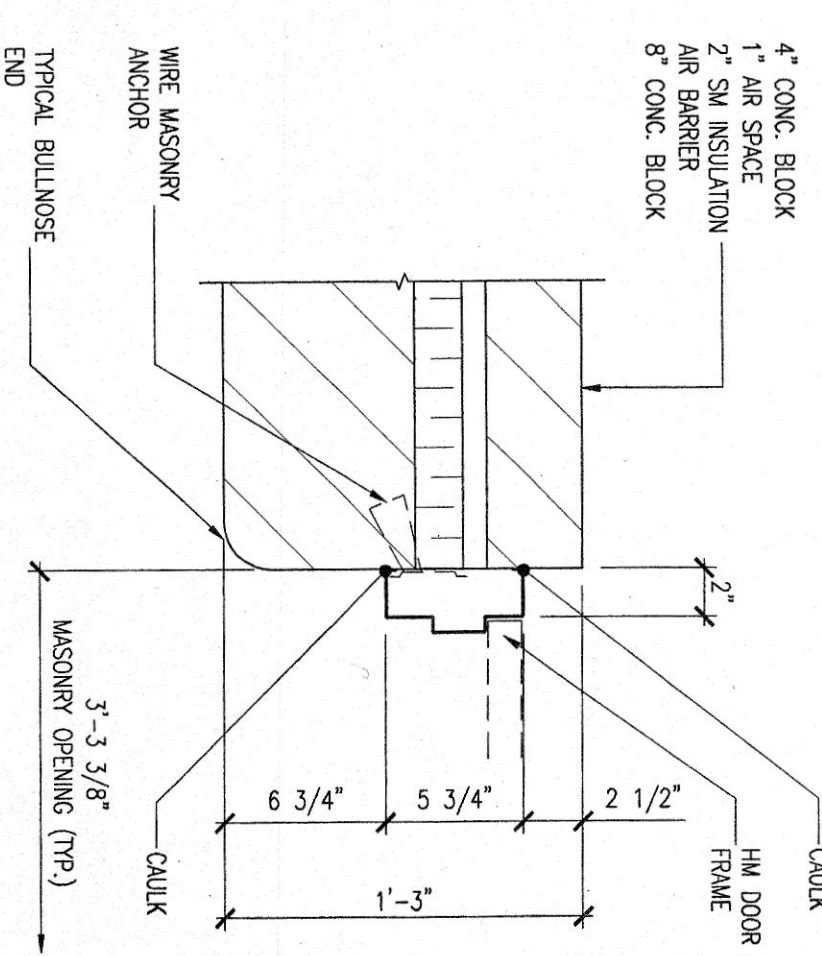
2 DETAIL

SCALE: 1 1/2"=1'-0"



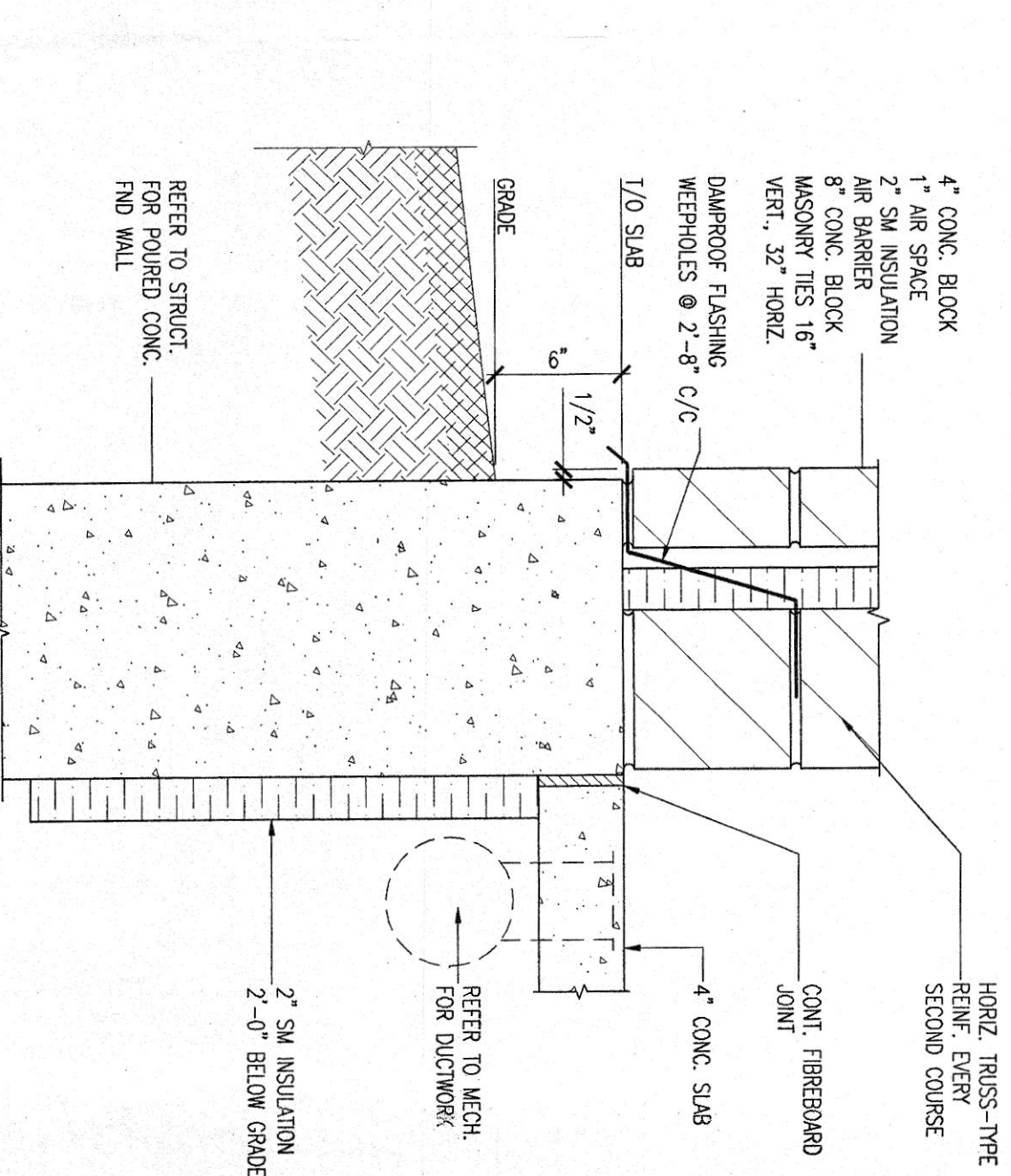
3 DETAIL

SCALE: 1 1/2"=1'-0"



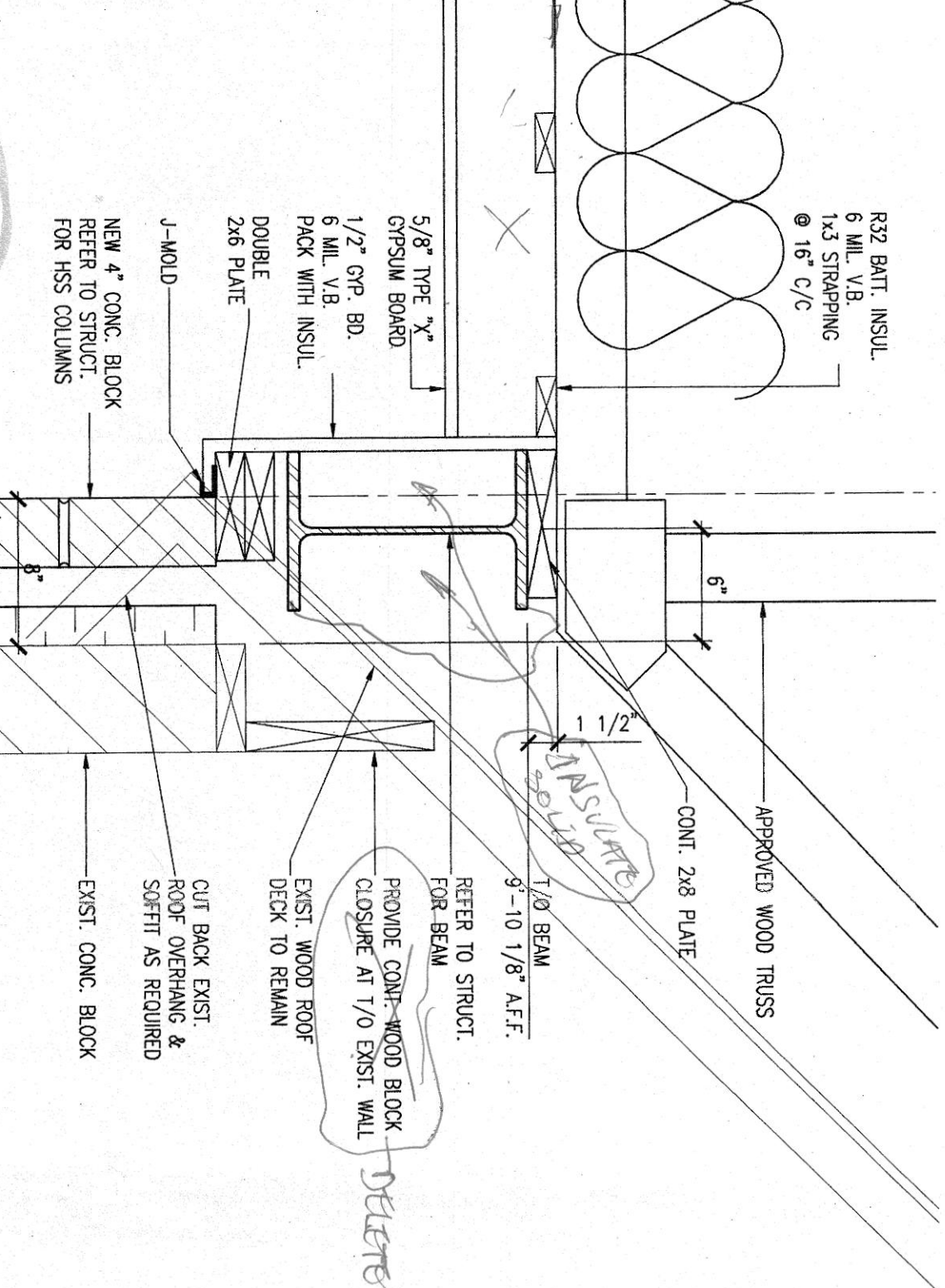
4 DETAIL

SCALE: 1 1/2"=1'-0"



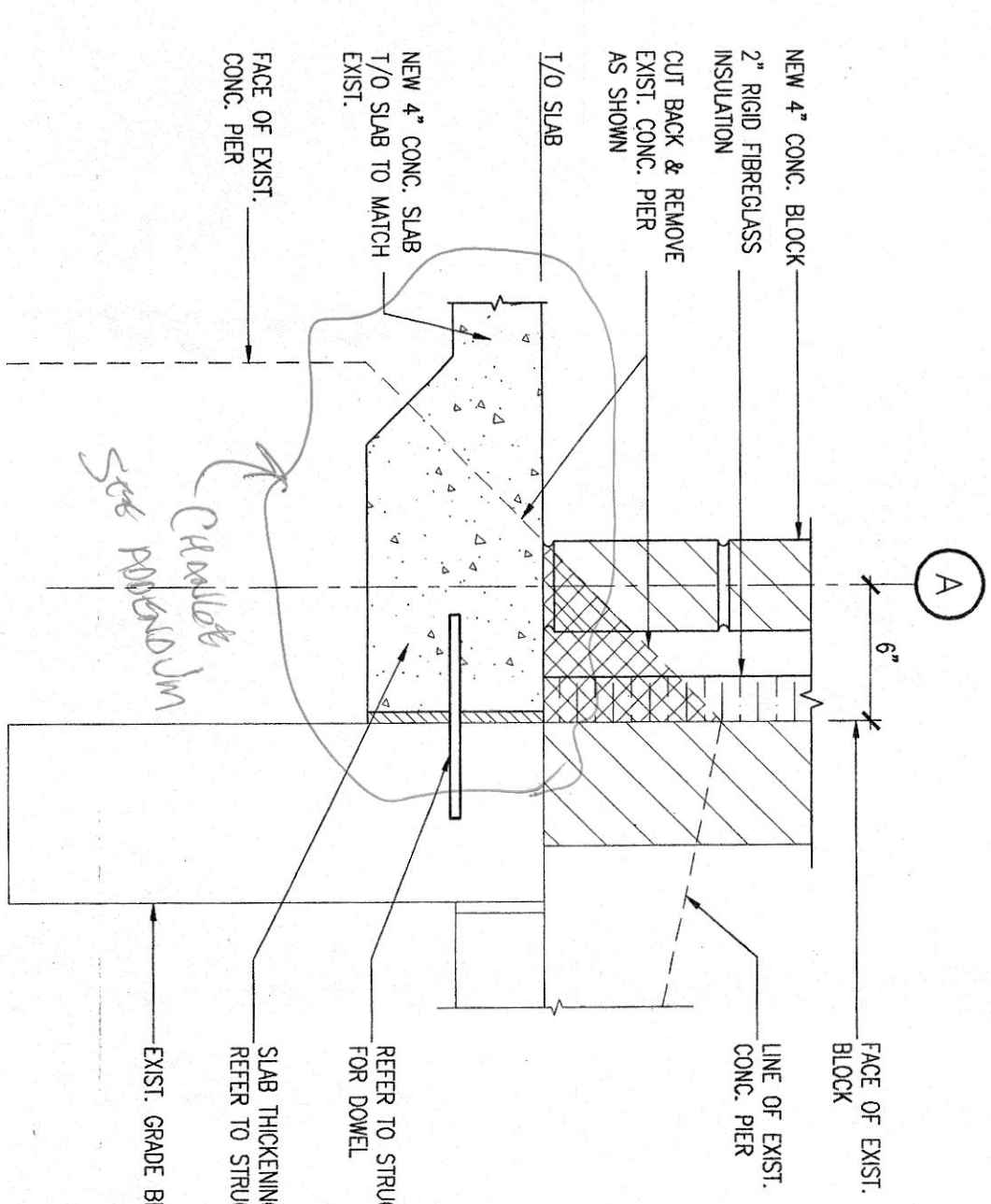
5 DETAIL

SCALE: 1 1/2"=1'-0"



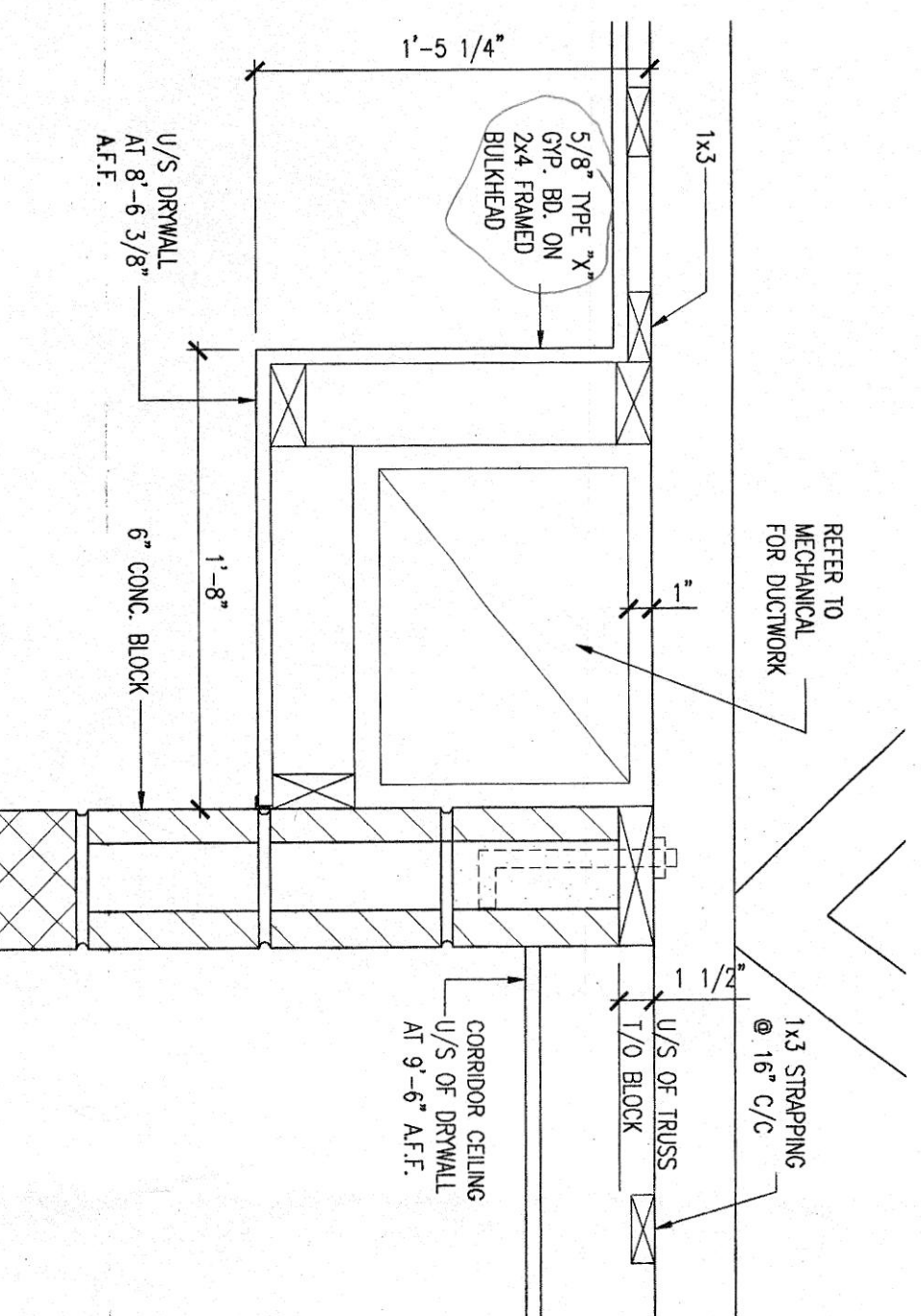
6 DETAIL

SCALE: 1 1/2"=1'-0"



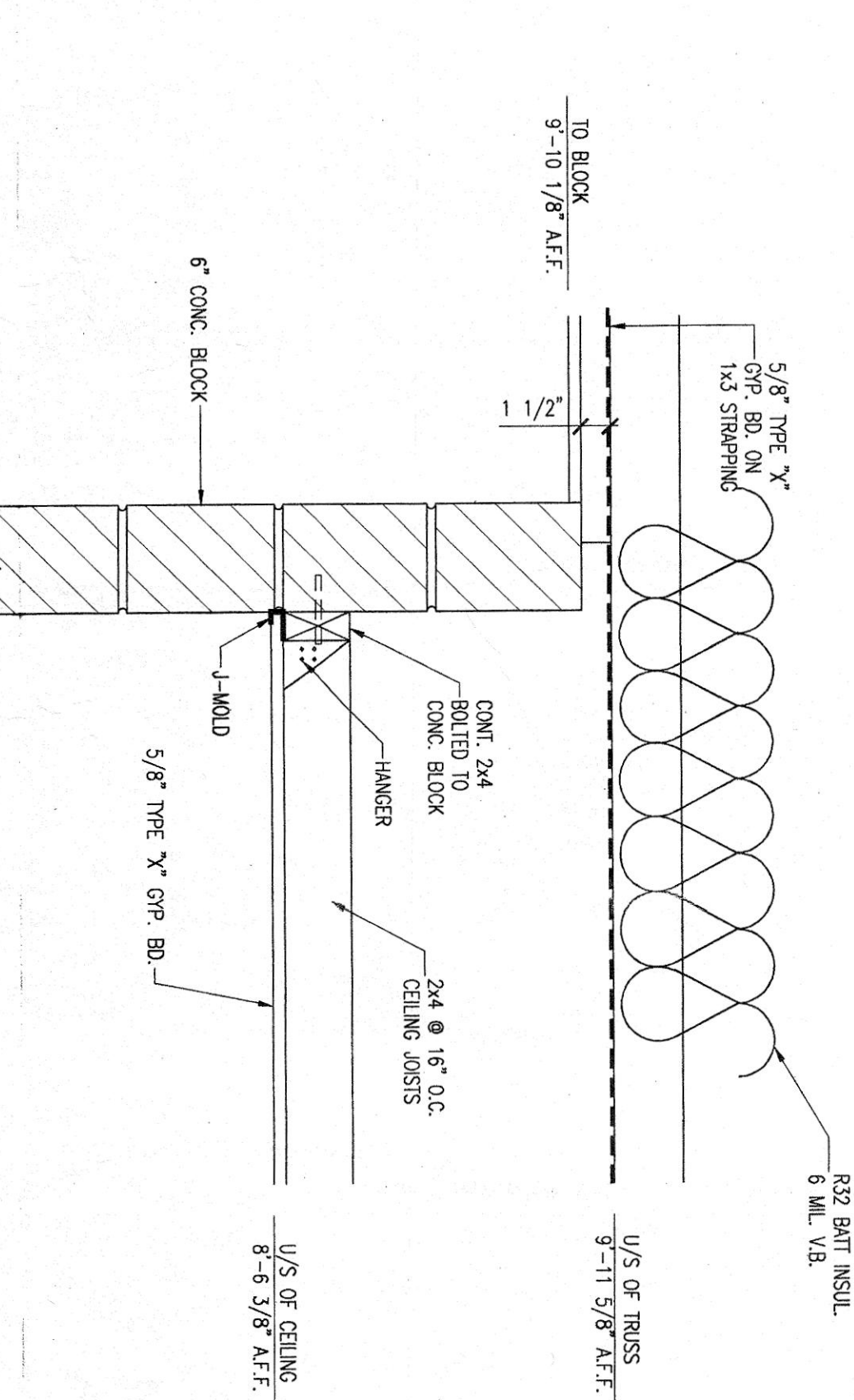
7 SECTION

SCALE: 1 1/2"=1'-0"



8 SECTION

SCALE: 1 1/2"=1'-0"



9 SECTION

SCALE: 1 1/2"=1'-0"

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NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR REVIEW	APR 16/02	
2	ISSUED FOR TENDER	APR 16/02	
3	ISSUED FOR PERMIT	APR 16/02	

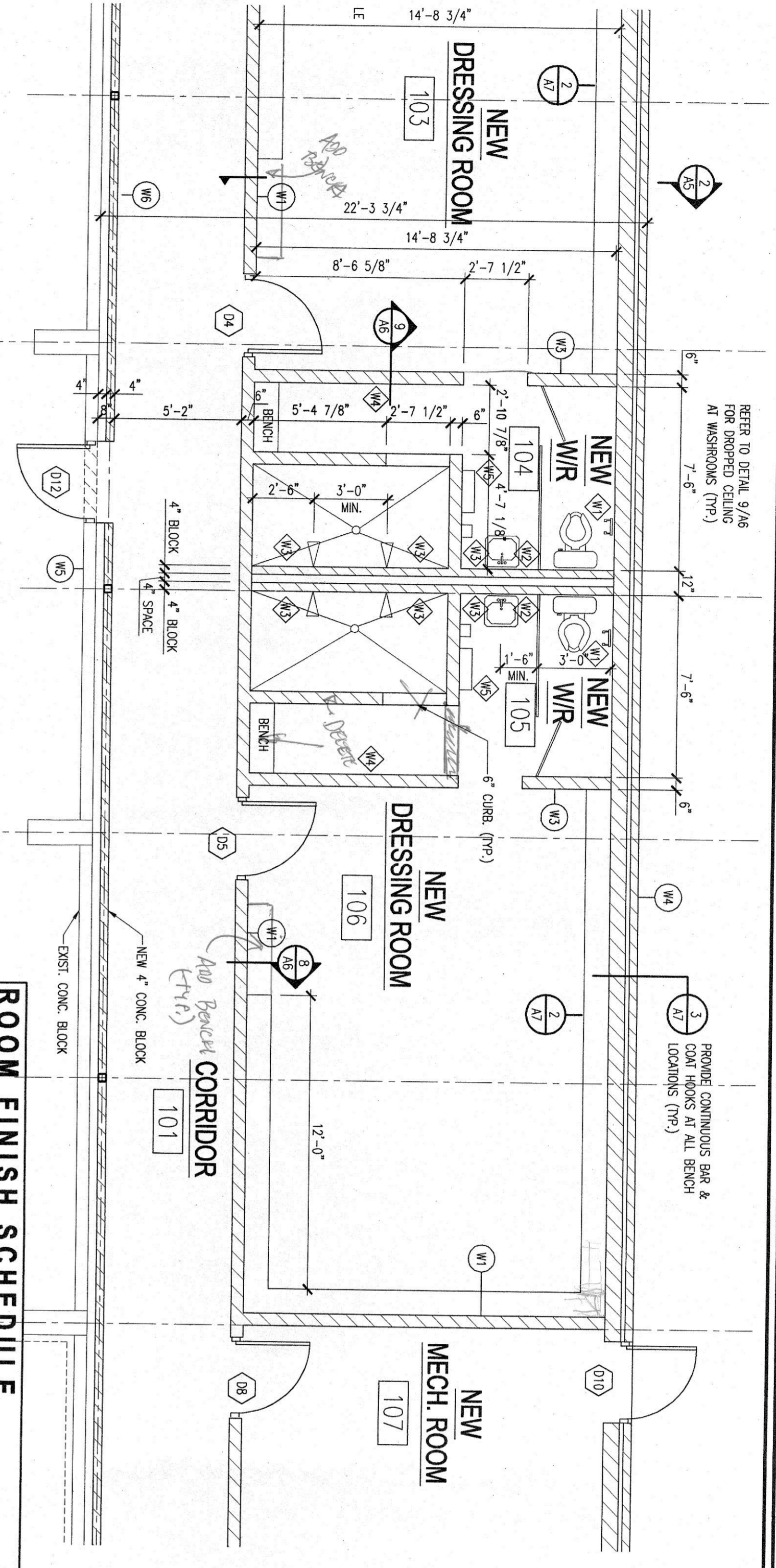
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REGISTERED PROFESSIONAL ENGINEER
M. E. MORRISON
PROVINCE OF ONTARIO

M C ENGINEERING P.O. Box 1022, Simcoe, Ont. N1Y 5S3
Tel: (519) 426-1111
Fax: (519) 426-1112
E-mail: info@mcengineering.com
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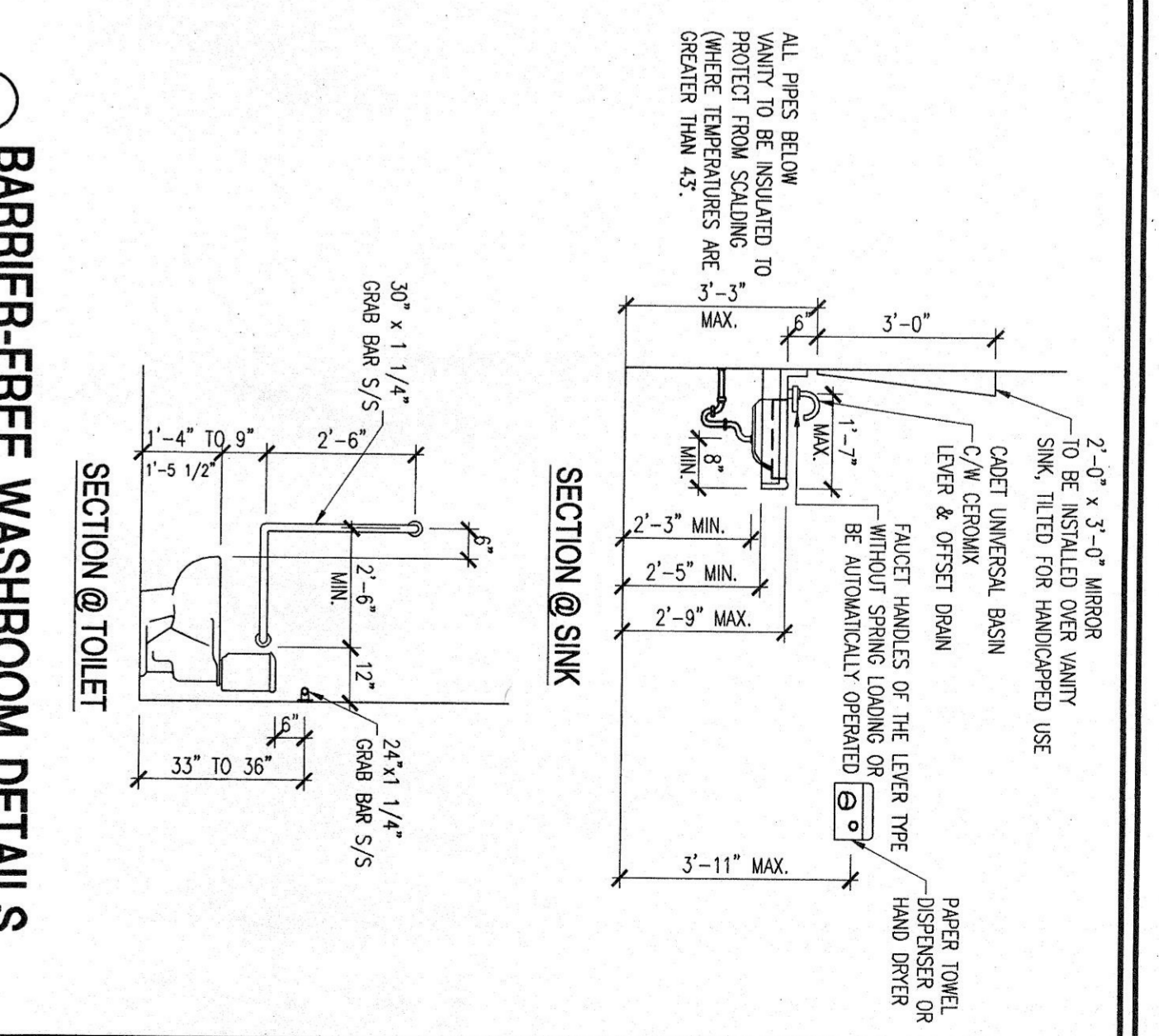
TWO ROW ARCHITECT
Ontario

PROJECT NAME: RENOVATIONS & ADDITION
PROJECT NO.: 1675
DRAWN BY: A.E.
CHECKED BY: B.J./M.E.M.
DATE: MAR/04
FILE NAME: 1675.DWG



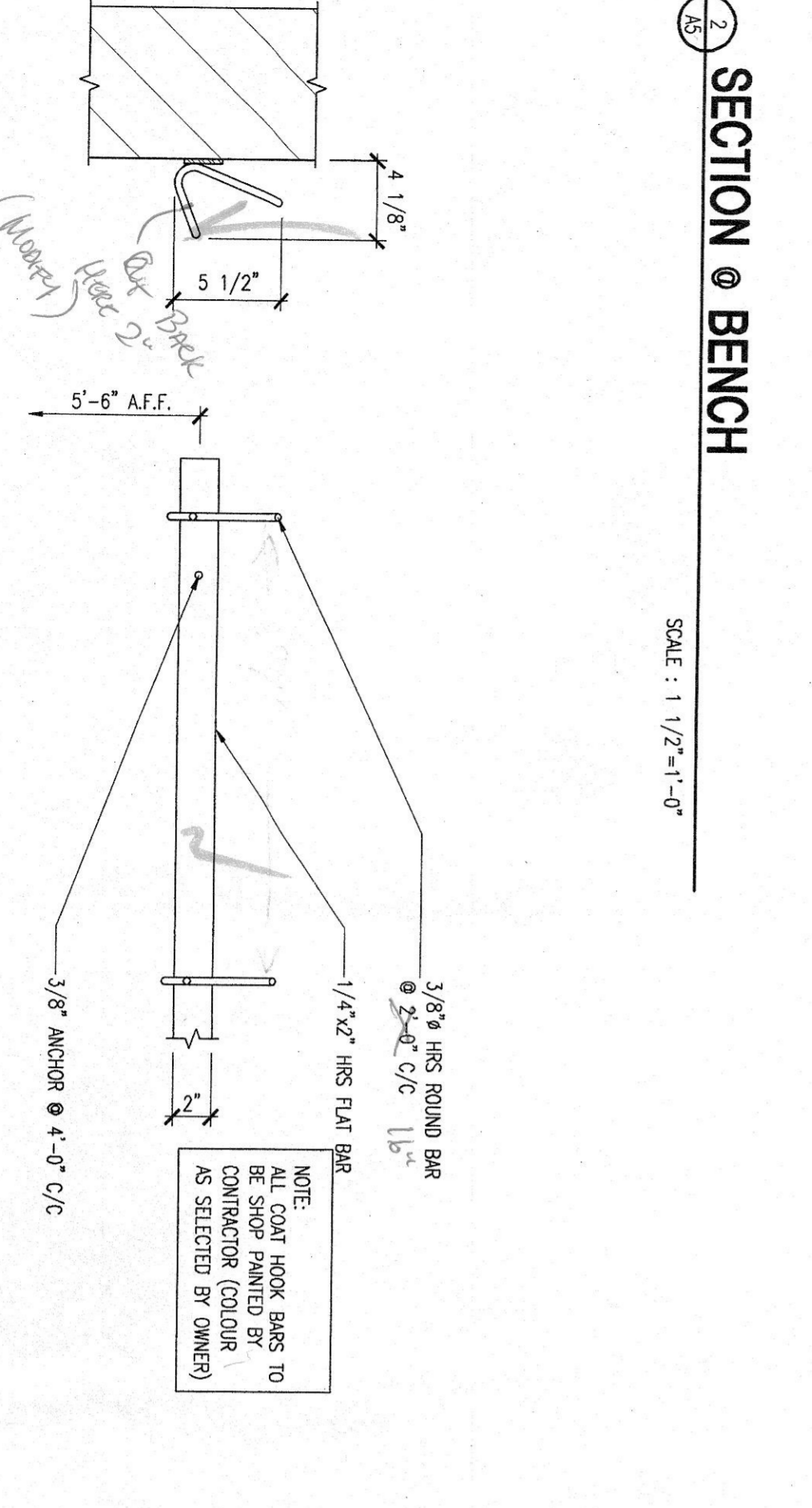
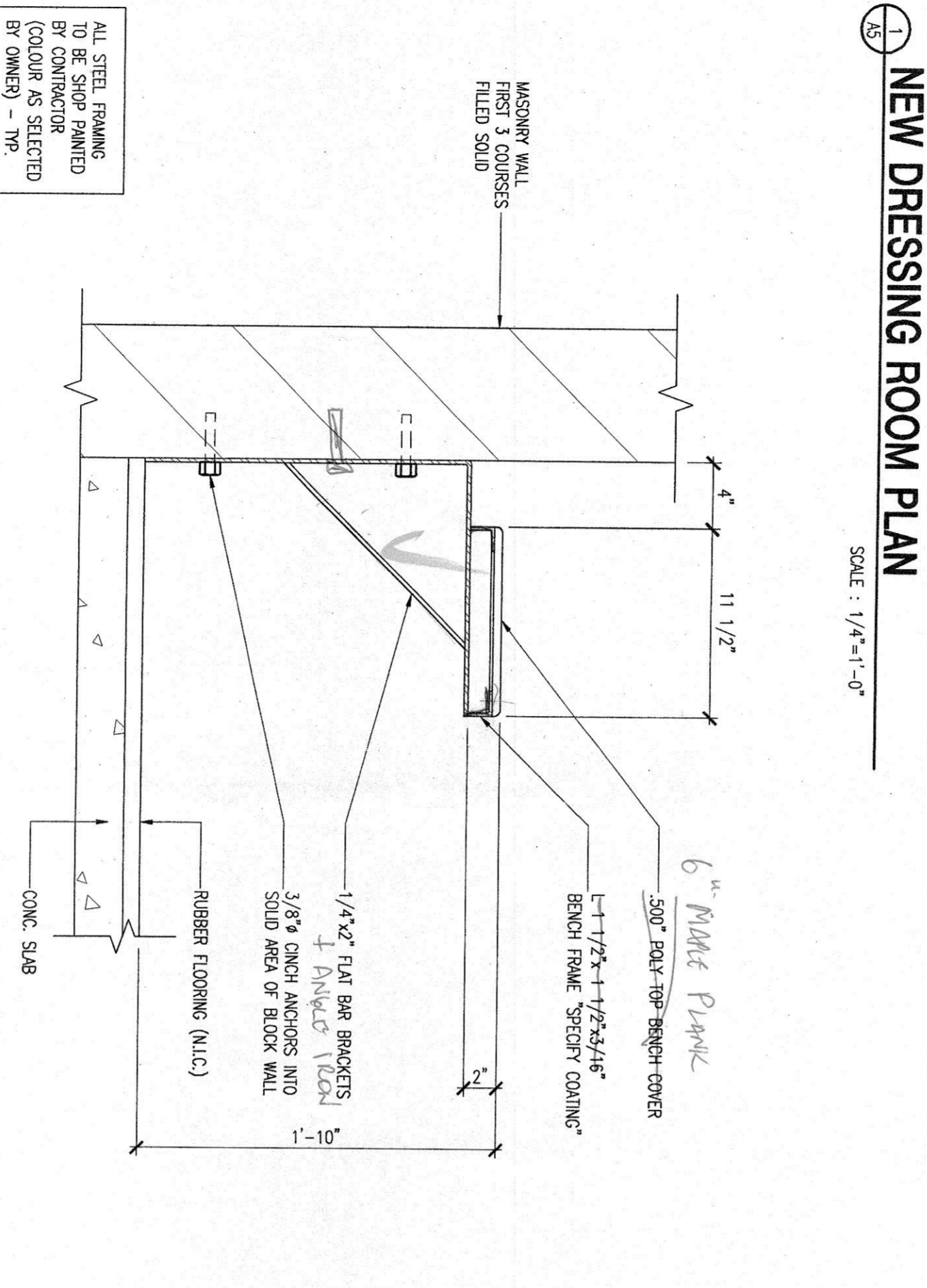
WASHROOM ACCESSORIES SCHEDULE

MARK	DESCRIPTION	MANUFACTURER CODE	QUANTITY
41	SURFACE MOUNTED SINGLE ROLL TOILET PAPER HOLDER	BOBORCK B-4599	11 REQUIRED
42	LAUNDRY MIRROR STAINLESS STEEL FRAMED (18\"/>		



ROOM FINISH SCHEDULE

ROOM NO.	LOCATION	CONSTRUCTION	WALLS FINISH (COLORS BY OWNER)		FLOOR		BASE		CEILING		ROOM REMARKS		
			NORTH	SOUTH	WEST	EAST	CONSTRUCTION	FINISH	MATERIAL	FINISH		HEIGHT	
101	NEW CORRIDOR	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	101
102	NEW REFERENCE ROOM	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	102
103	NEW DRESSING ROOM	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	103
104	NEW WASHROOM	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	104
105	NEW WASHROOM	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	105
106	NEW DRESSING ROOM	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	106
107	NEW MECHANICAL ROOM	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	107
108	NEW DRESSING ROOM	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	108
109	NEW WASHROOM	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	109
110	NEW WASHROOM	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	110
111	NEW DRESSING ROOM	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	111
112	NEW DRESSING ROOM	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	112
113	RENOVATED MEN'S W/R	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	113
114	NEW STORAGE ROOM	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	114
115	RENOVATED WOMEN'S W/R	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	115
116	NEW WASHROOM	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	116
117	NEW WASHROOM	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	117
118	EXISTING FIRST AID ROOM	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	118
119	VESTIBULE	EXISTING METAL STUDS, CONCRETE BLOCK, CONCRETE FLOOR, CONCRETE WALLS	08	08	08	08	1	2	2	2	EXISTING CONCRETE SLAB	9'-10 1/8"	119



DOOR SCHEDULE

DOOR NO.	LOCATION	TYPE	DOOR		FRAME		THRESHOLD	HARDWARE	DOOR REMARKS																																																																																														
			MATERIALS	FINISH	GLAZING/GRILLE	MATERIAL																																																																																																	
01	NEW VESTIBULE	ALUMINUM	INSULATED HOLLOW METAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

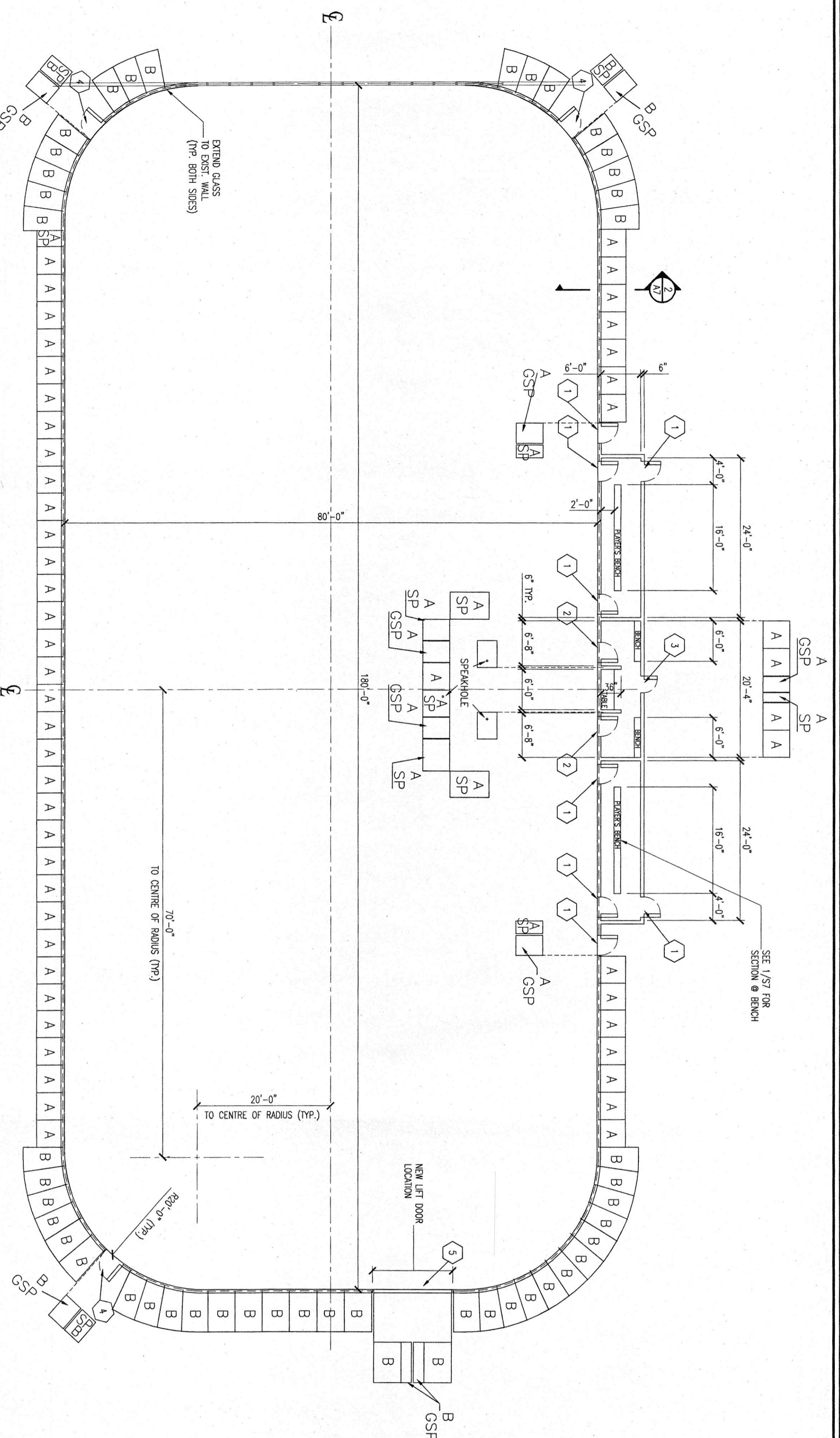
- GENERAL NOTES**
- OVERALL DIMENSIONS ARE FROM FACE OF PICKBOARD TO FACE OF PICKBOARD.
 - GATE LINES ARE TO BE DIMENSIONED ACCORDING TO ONTARIO MINOR HOCKEY ASSOCIATION (OMHA) - N.I.C. (BY OWNER).
 - PLEASE COVER ALL GATE THRESHOLD HEIGHTS.
 - PLAYER BOX AREA - 6' 1/4"
 - ACCESS GATES - 3' 3/4"
 - 6" RASSED STEEL FLOORING AND 8" RASSED STEEL COACHES' WALKWAY TO BE INSTALLED ON PLAYERS BOXES, RASSED STEEL FLOORING TO BE INSTALLED IN TRENCHES AND UNDERGATE BOXES.
 - ITEM #4 DIMENSIONS INCLUDE, IN THEIR FINISHED HEIGHTS, 3/4" BLACK SKATE TILE OR RUBBER FLOORING (N.I.C. - BY OWNER) TO BE INSTALLED OVER RASSED FLOORING AND COACHES' WALKWAY.

GATE SIZE LEGEND

GATE	INDICATES GATE NUMBER	DESCRIPTION	NOTE: GATES SUPPLIED WITHOUT ICE SIDE RELEASE MECHANISM UNLESS OTHERWISE NOTED	QTY
1	30" VAN GATE			8
2	30" VAN GATE W/ ICE SIDE RELEASE			2
3	24" ACCESS GATE W/ ICE SIDE RELEASE			1
4	36" ACCESS GATE W/ ICE SIDE RELEASE			3
5	LIFT DOOR			1

- RINK SPECIFICATION:**
- RINK SIZE IS 180'x80'x20" RADIUS.
 - SPORNBORDS TO BE 42" IN HEIGHT FROM REFERENCED SURFACE.
 - BOARDS MOUNTED ON A 1/2" POLY THERMAL BREAK ON THE REFERENCED SURFACE USING 5/8" CAST-IN-PLACE ANCHORS.
 - OFF ICE BOARDS MOUNTED USING 5/8" EPOXY ANCHORS.

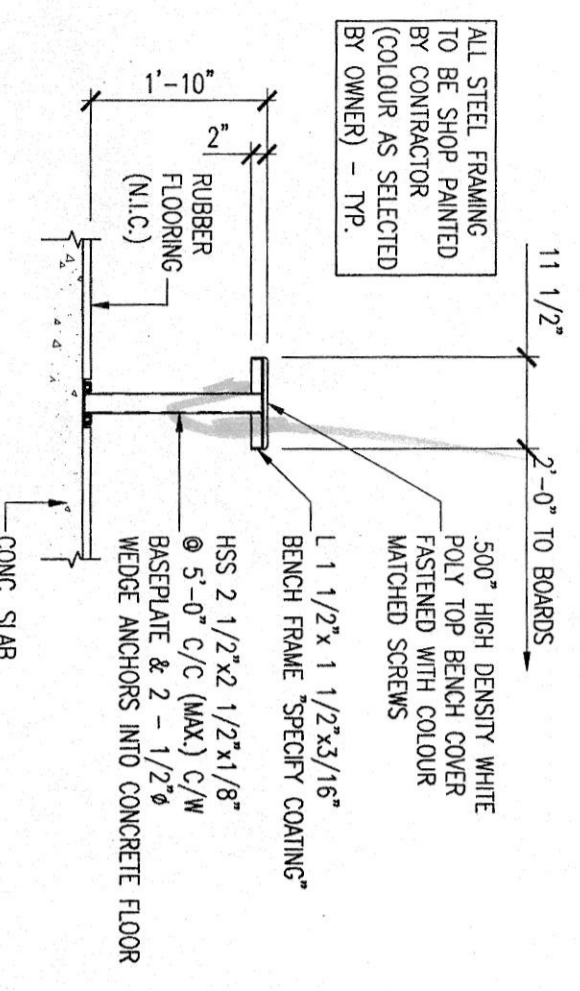
- SHIELDING NOTES:**
- ALL STANDARD SHIELDING ALONG STRAIGHT SECTIONS ARE TO BE 47 7/8"± WIDTH.
 - ALL STANDARD SHIELDING ALONG RADIUS SECTIONS ARE TO BE 47 7/8"± WIDTH.
 - ALL EXPOSED ICE SIDE SHIELDING TERMINATIONS TO BE COVERED WITH PROTECTIVE SAFETY POOLING.
 - ALL GATES WHICH RECEIVE SHIELDING ARE TO HAVE THEIR END SUPPERS CONNECTED TO EACH OTHER WITH THROUGH ROD.
- SHIELDING LEGEND:**
- "S" INDICATES - LOCATION OF STANDARD 4" HIGH TEMPERED GLASS (1/2" THICK)
 - "T" INDICATES - LOCATION OF STANDARD 6" HIGH TEMPERED GLASS (5/8" THICK)
 - "SP" INDICATES - SPECIAL SHIELDING WIDTHS
 - "TSP" INDICATES - SPECIAL SHIELDING WIDTHS AT GATES.



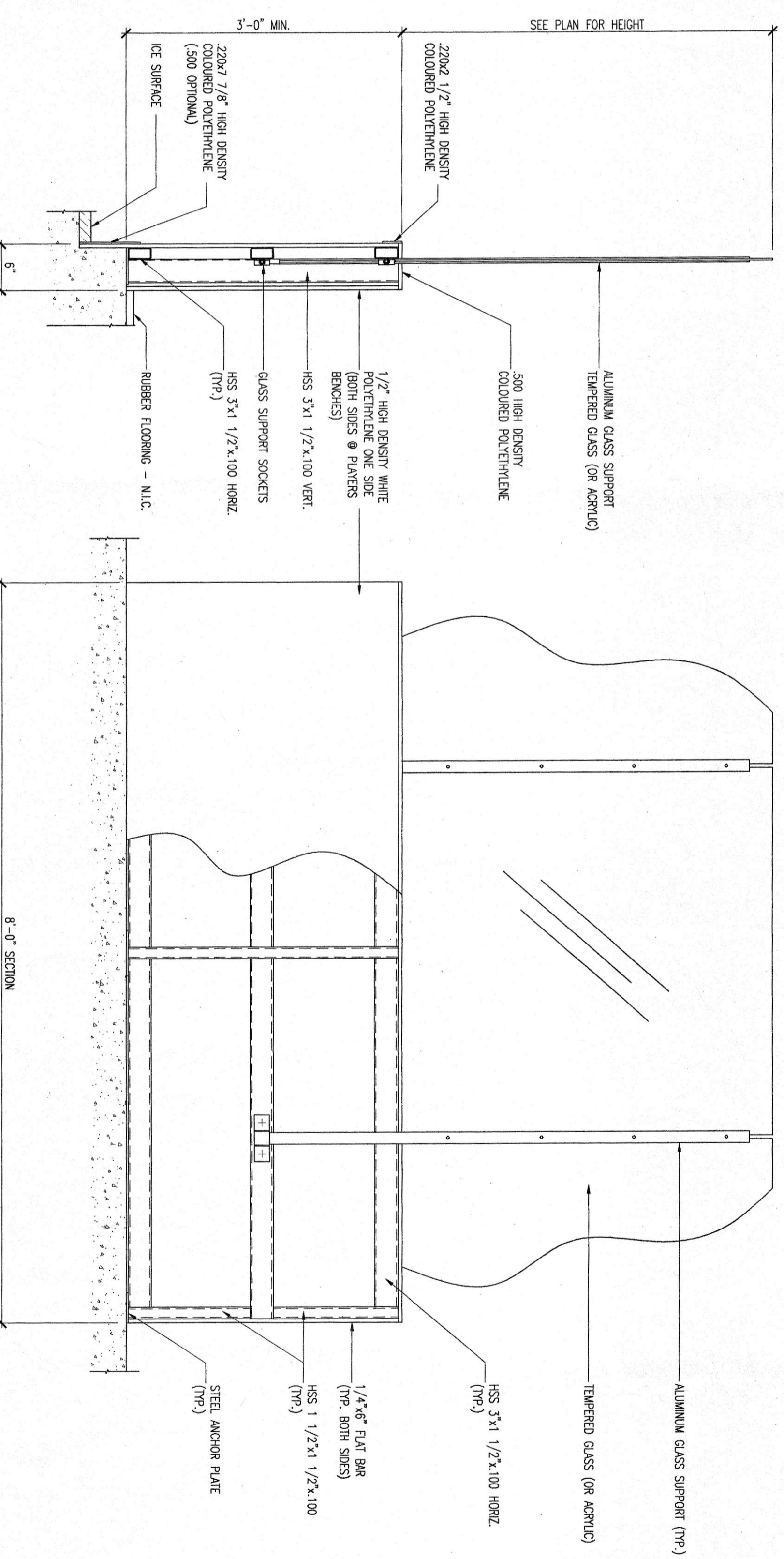
DASHER BOARD FLOOR PLAN
SCALE: 3/32" = 1'-0"

CONTRACTOR TO CO-ORDINATE ANCHORING TO EXIST SLAB. CONTRACTOR RESPONSIBLE FOR ALL MODIFICATIONS TO EXIST SLAB AND FOR THE PROPER INSTALLATION OF NEW DASHER BOARD SYSTEM.

SECTION 1 @ PLAYERS/PENALTY BENCHES
SCALE: 1/2" = 1'-0"



SECTION 2 @ DASHER BOARDS
SCALE: 1" = 1'-0"



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ISSUED FOR TENDER
ISSUED FOR PERMIT
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DATE: _____

THE FOLLOWING DRAWINGS AND NOTES TO BE CONSIDERED AS PART OF THE CONSTRUCTION DRAWINGS:

ONTARIO ASSOCIATION OF ARCHITECTS
REGISTERED PROFESSIONAL ENGINEER
M. E. MORRISON
PROVINCE OF ONTARIO

TWO ROW ARCHITECT
Ontario

M C ENGINEERING P.O. Box 1002, Simcoe, Ont. N3Y 3S3
Tel: 519-428-6790 Fax: 519-428-8890
A DIVISION OF 30253 ALBERTA LTD.

LANGTON ARENA
NORFOLK COUNTY
LANGTON, ONTARIO

RENOVATIONS & ADDITION

SHEET TITLE: DASHER BOARD DETAILS

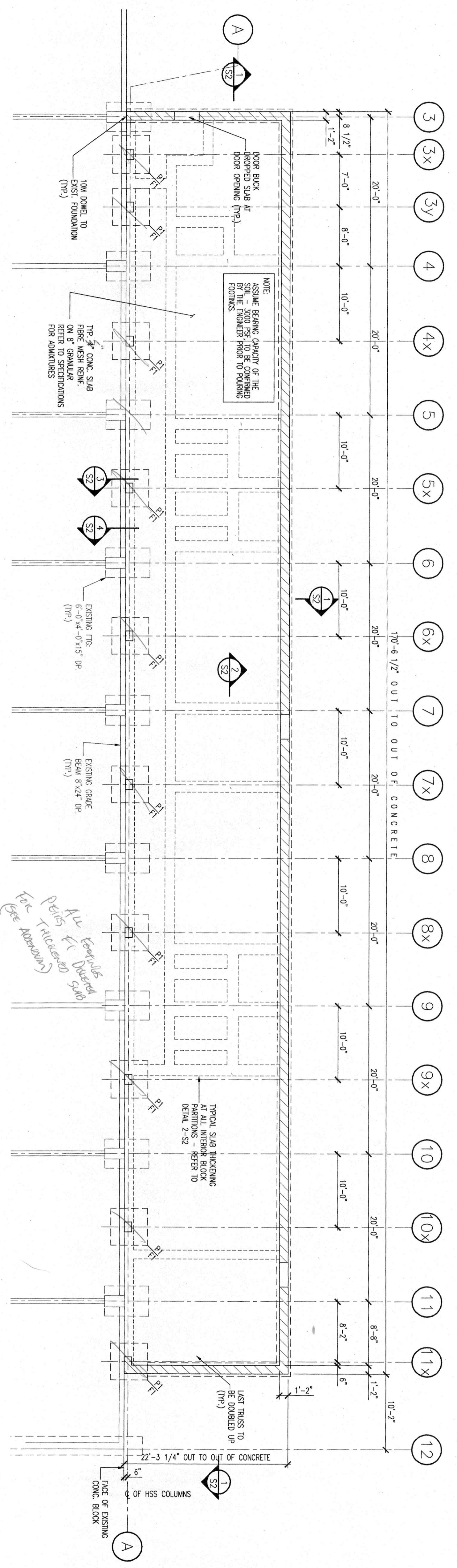
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PROJECT NO.: 1675

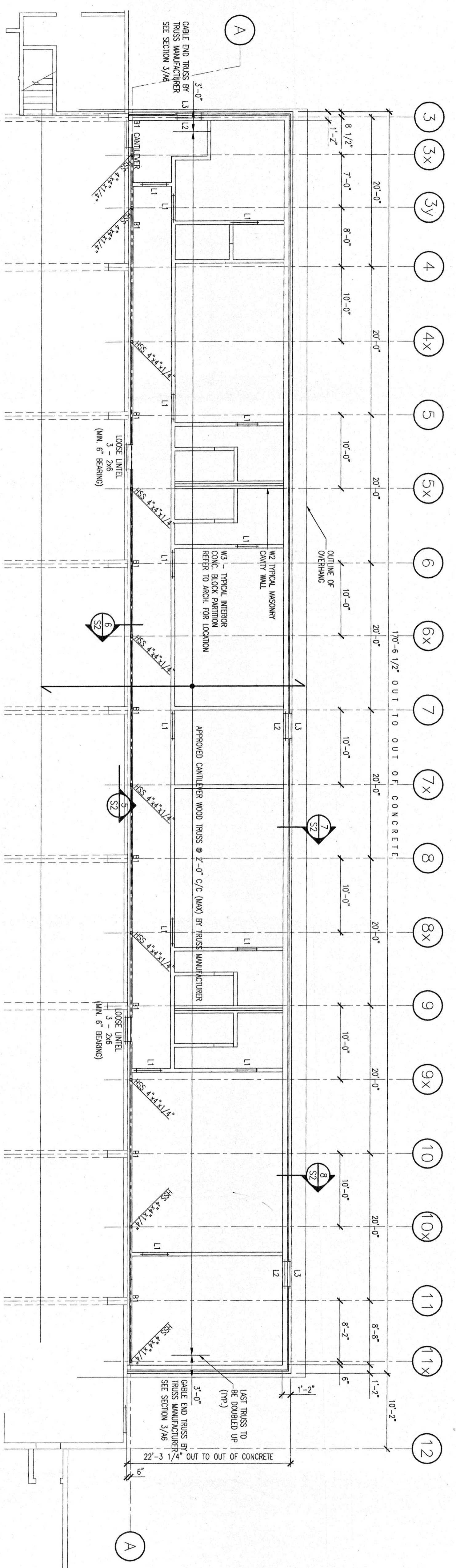
DATE: MAR/04

REV. NO.: 2

FILE NAME: 1675.DWG



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



ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

CONC. FOOTING SCHEDULE

FOOTING SIZE		REINFORCEMENT				
TYPE	QUANTITY	LENGTH	WIDTH	DEPTH	LONGITUDINAL	LATERAL
F1	10	3'-0"	3'-0"	12"	15M @ 8' C/C	15M @ 8' C/C
STRIP F1B			1'-10"	8"	3 - 15M CONC. REBAR	

BEAM SCHEDULE

TYPE	SIZE
B1	W12x45

LINTEL SCHEDULE

TYPE	SIZE
L1	2 - L 3 1/2 x 3 1/2 x 5/16
L2	2 - L 5 x 3 1/2 x 5/16
L3	1 - L 3 1/2 x 3 1/2 x 5/16

CONC. PIER SCHEDULE

REINFORCEMENT		HEIGHT		REMARKS	
TYPE	QUANTITY	VERTICAL	TISS	HEIGHT	REMARKS
P1	10	1'-0" x 1'-4"	4 PCS 20M	10M TISS @ 12" O.C. FIN. DONE TO 1/2 OF FIN. - 4'-4"	ANCHOR BOLT FROM BIDD
8" FND WALL	2 PCS 10M			FIN. DONE TO 1/2 OF FIN. - 4'-4"	



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NO.	ISSUED FOR	DATE	BY
2	ISSUED FOR PERMIT	APR. 16/02	
1	ISSUED FOR TENDER	APR. 16/02	
A	ISSUED FOR REVISION	APR. 16/02	

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ONTARIO ASSOCIATION OF ARCHITECTS
REGISTERED PROFESSIONAL ENGINEER
M. E. MORRISON
PROFESSOR OF ARCHITECTURE

M. C. ENGINEERING P.O. Box 1002, Simco, Ont. N0Y 9S3
Tel: 519-428-6789 Fax: 519-428-8980
A Division of 35255 Alderbrook Ltd.

TWO ROY ARCHITECT
Ontario

RENOVATIONS & ADDITION

LANGTON ARENA
MORRIS COUNTY
LANGTON, ONTARIO

SHEET TITLE: FOUNDATION & ROOF FRAMING PLANS

SCALE: AS SHOWN

PROJECT NO: 1675

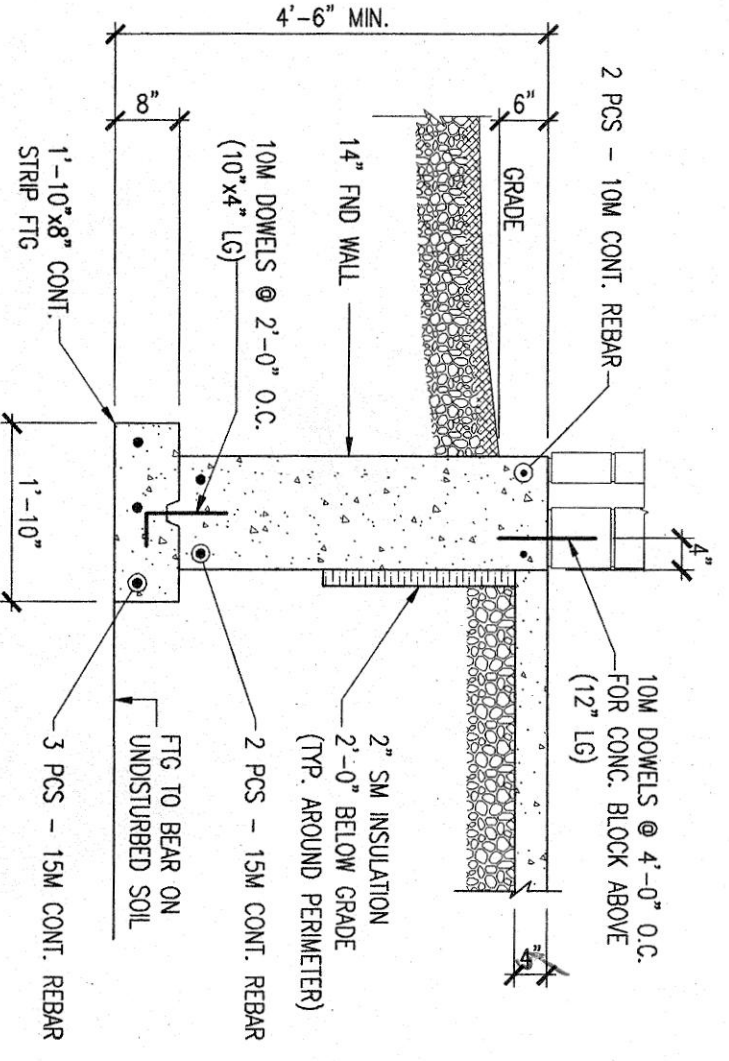
CHECKED BY: P.I./M.E.M.

DATE: MAR/04

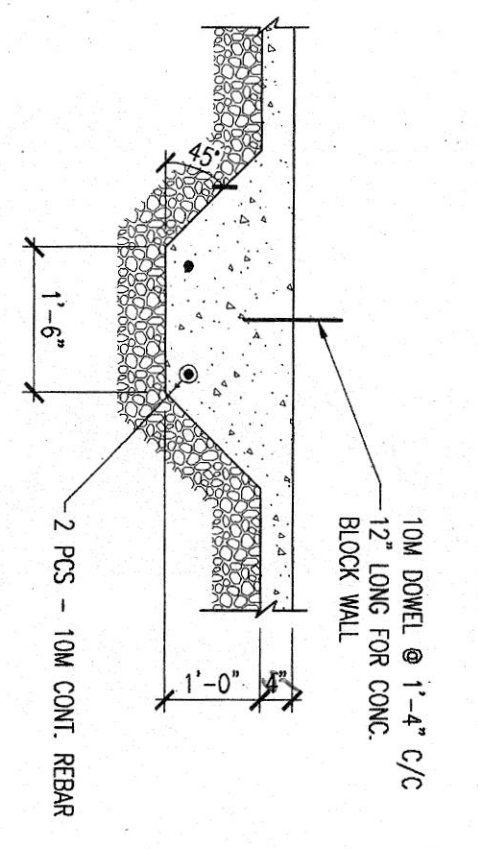
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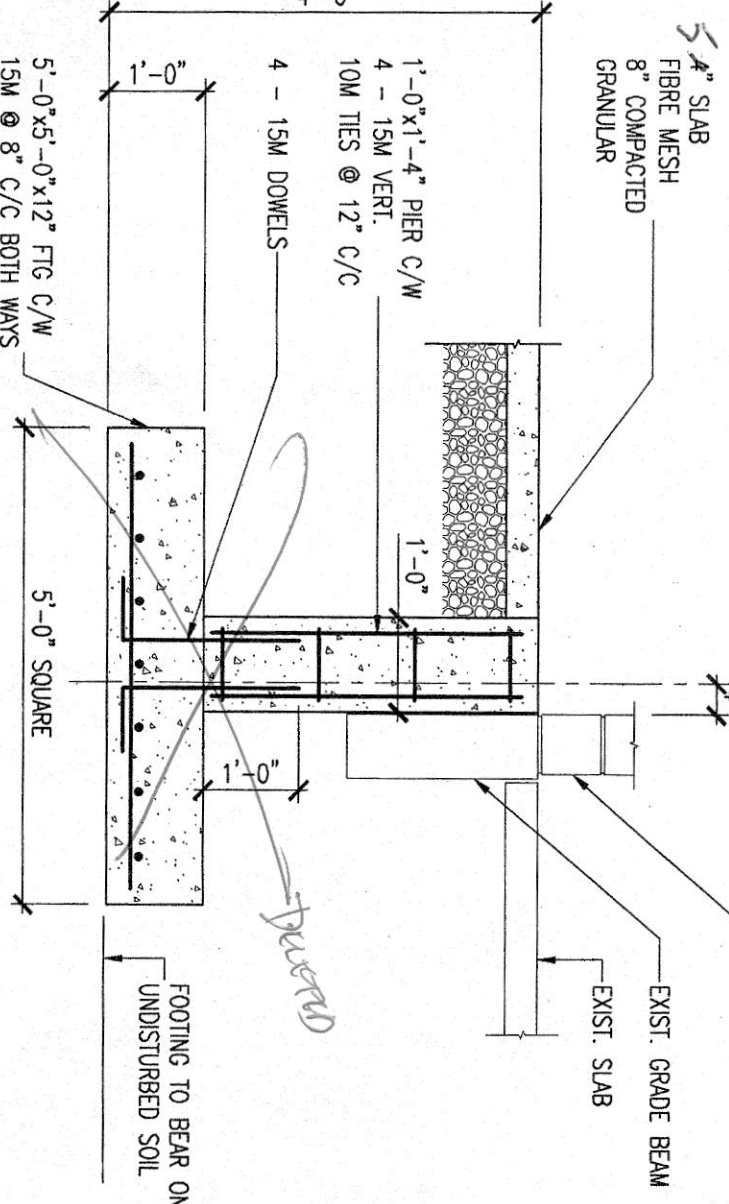
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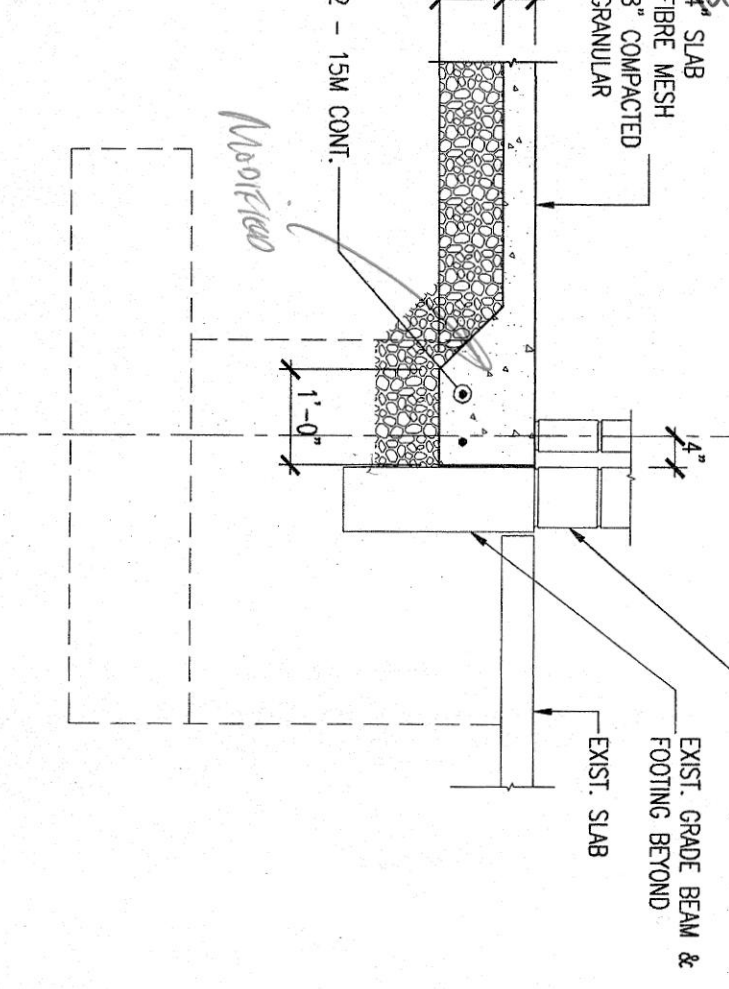
SECTION @ EXTERIOR WALL
SCALE: 1/2"=1'-0"



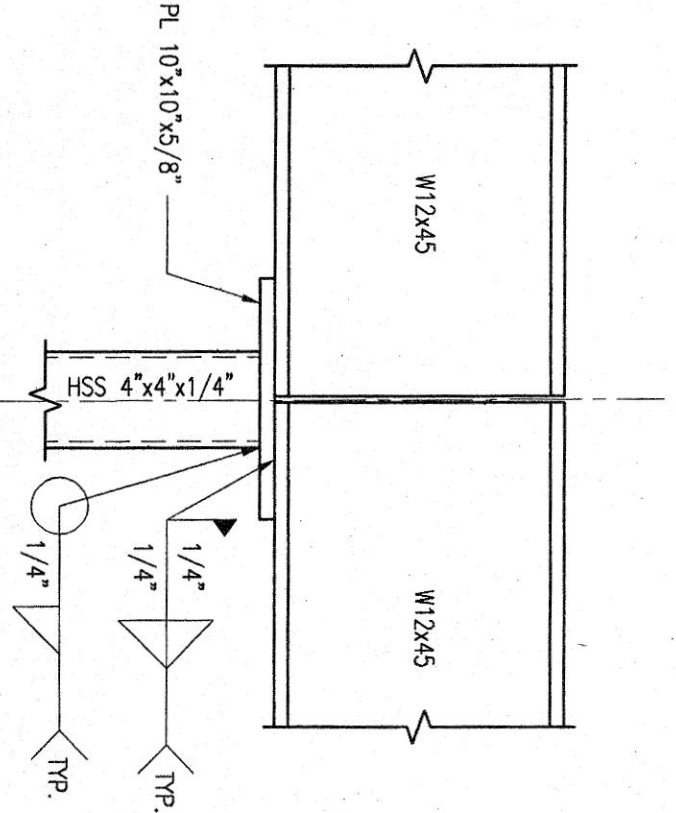
SECTION @ THICKENED SLAB
SCALE: 1/2"=1'-0"



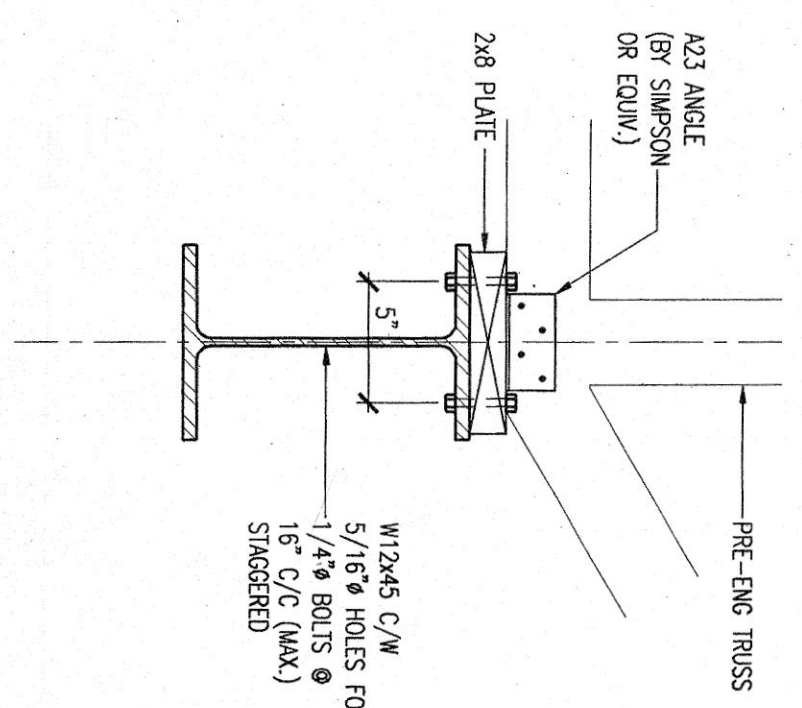
SECTION @ P/F/1
SCALE: 1/2"=1'-0"



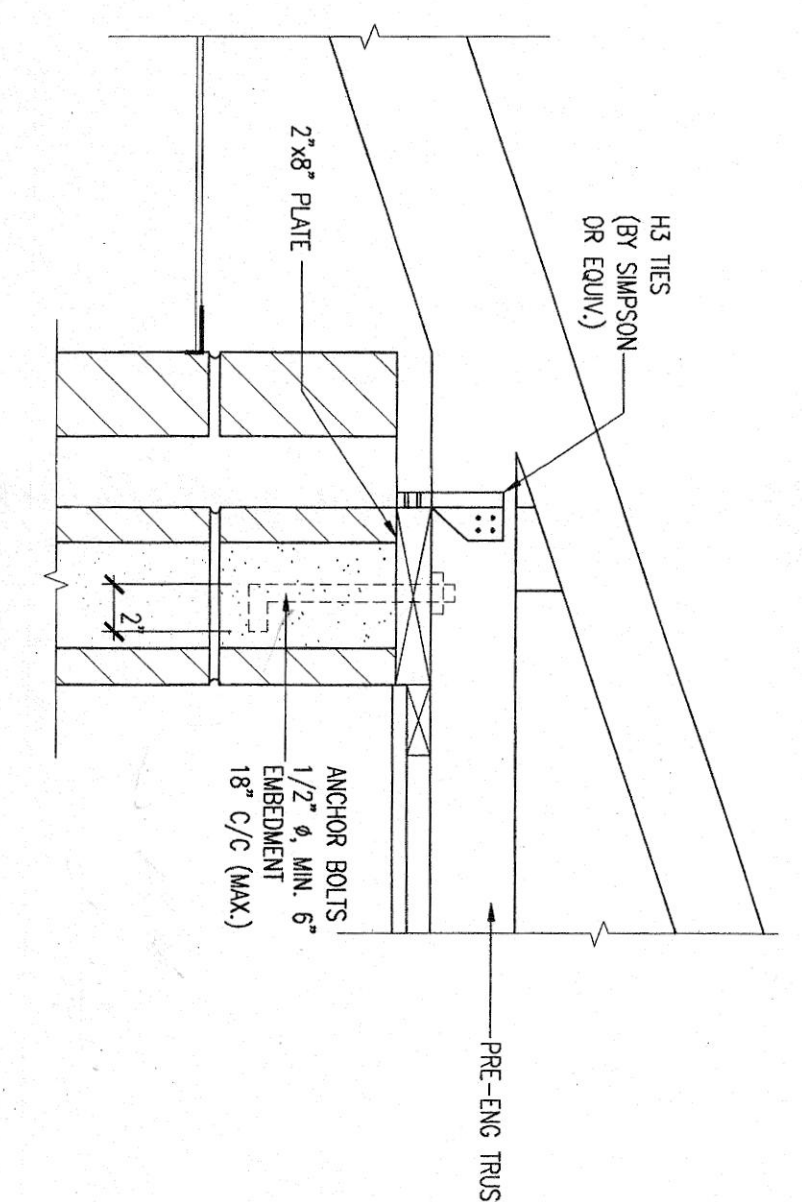
SECTION @ EXIST.
SCALE: 1/2"=1'-0"



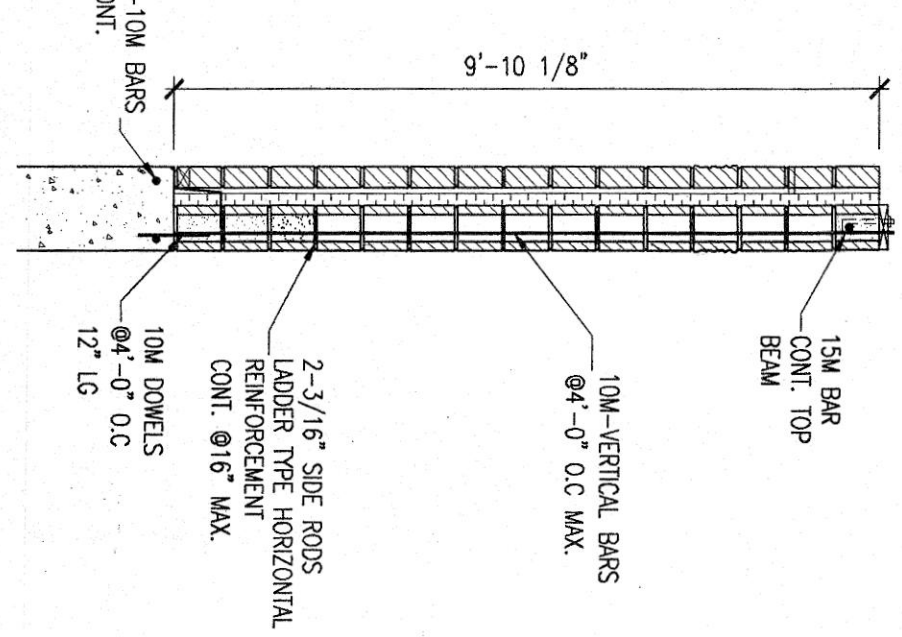
TYP. HSS - BEAM CONNECTION
SCALE: 3/4"=1'-0"



TYP. BEAM - TRUSS CONNECTION
SCALE: 3/4"=1'-0"

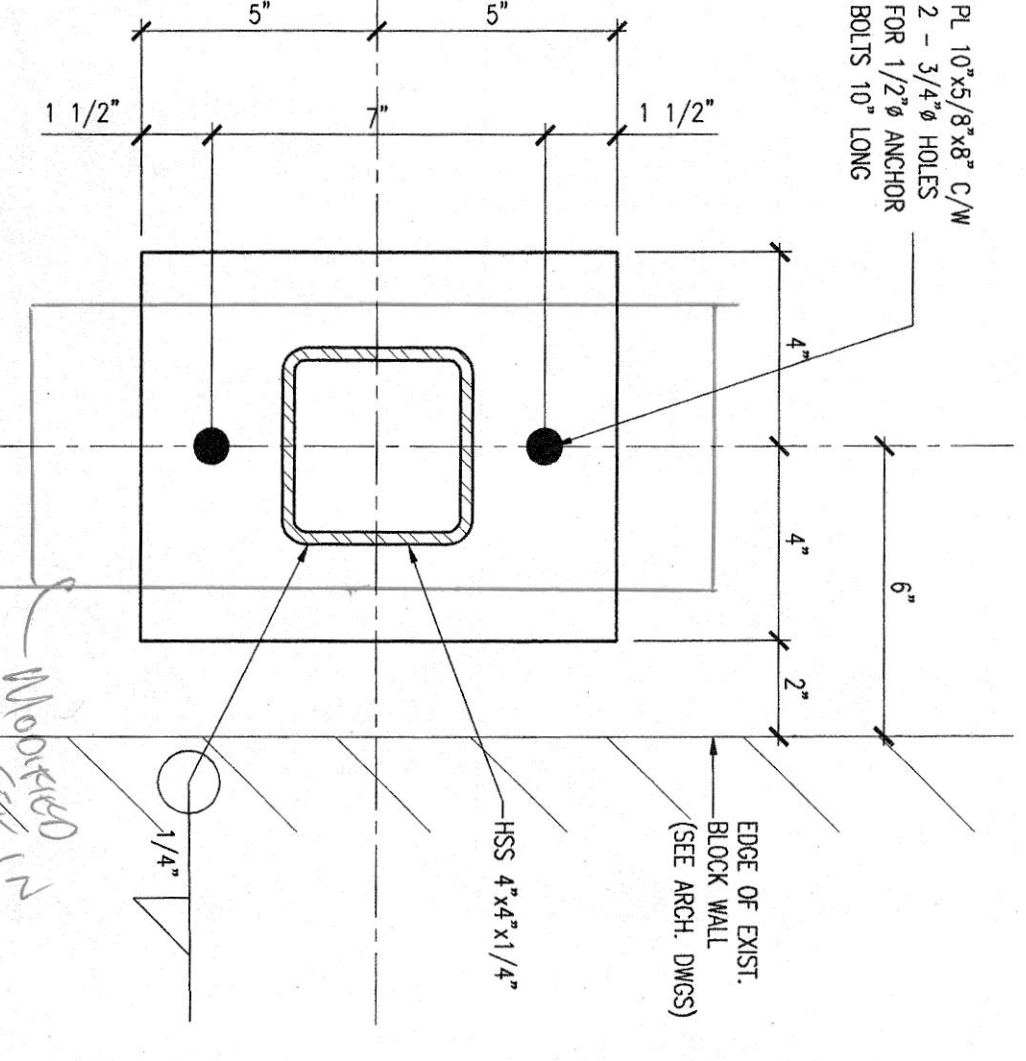
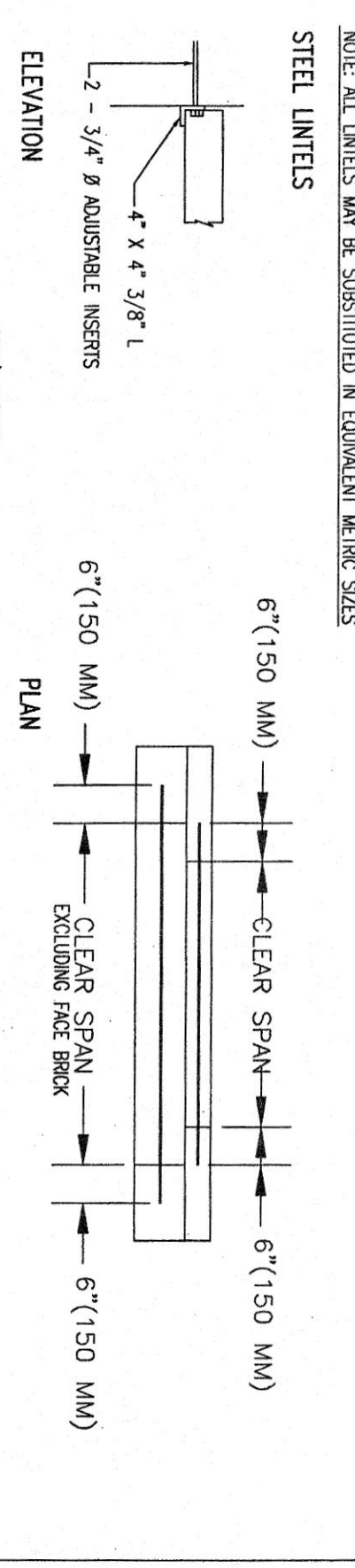


TYP. WALL - TRUSS CONNECTION
SCALE: 3/4"=1'-0"

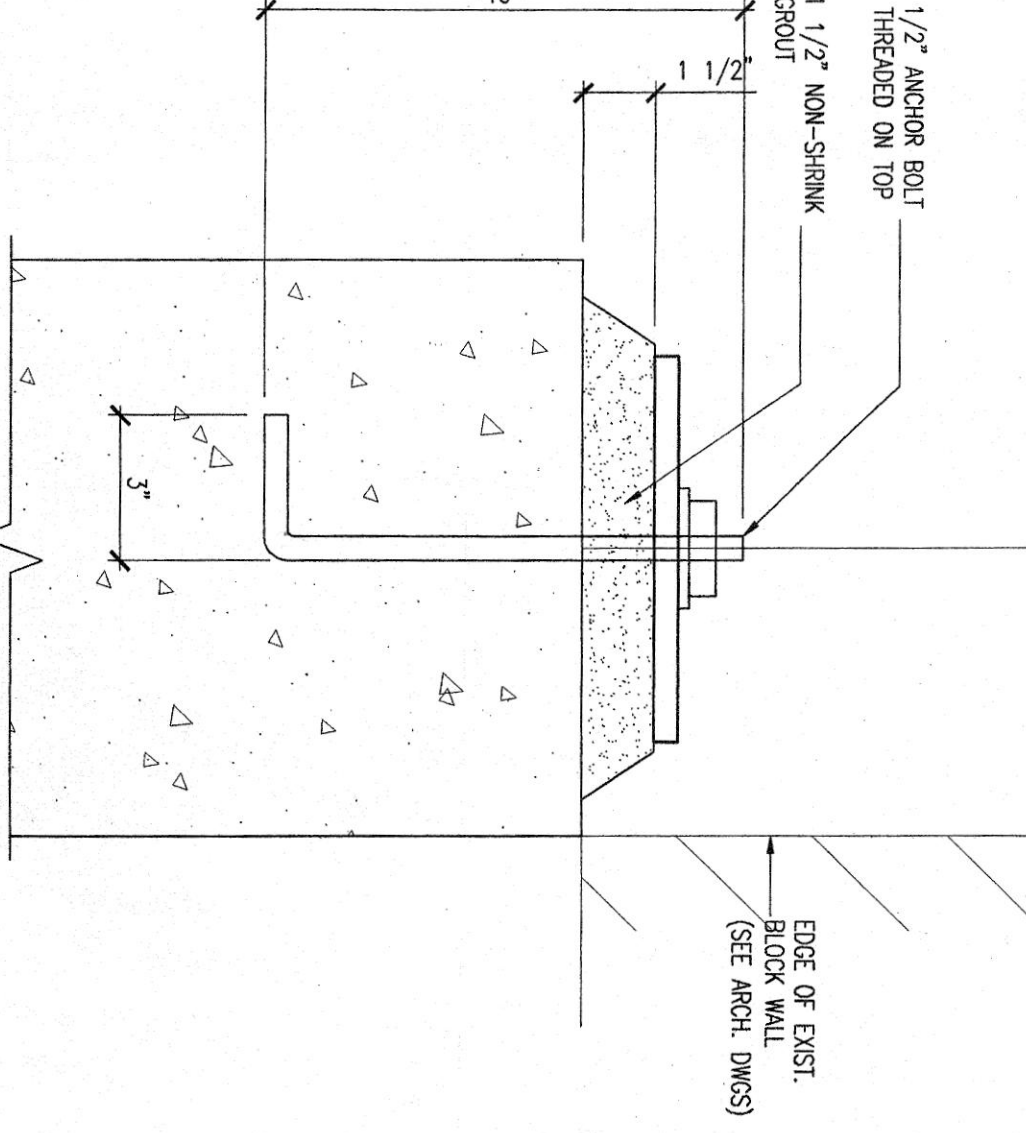


TYP. SECTION @ EXTERIOR WALL
SCALE: 3/8"=1'-0"

CLEAR SPAN	TYPE	MATERIAL	TYPE	MATERIAL	TYPE	MATERIAL
UP TO 4'-0" (1200 MM)		2/1 1/2" X 3 1/2" X 5/16" L		1/2" X 3 1/2" X 3 1/2" X 5/16" L		1/2" X 3 1/2" X 3 1/2" X 5/16" L
4'-0" TO 6'-0" (1200 MM)		2/1 1/2" X 3 1/2" X 5/16" L		1/2" X 3 1/2" X 3 1/2" X 5/16" L		1/2" X 3 1/2" X 3 1/2" X 5/16" L
6'-0" TO 8'-0" (1800 MM)		2/1 1/2" X 3 1/2" X 5/16" L		1/2" X 3 1/2" X 3 1/2" X 5/16" L		1/2" X 3 1/2" X 3 1/2" X 5/16" L
8'-0" TO 10'-0" (2400 MM)		2/1 1/2" X 3 1/2" X 5/16" L		1/2" X 3 1/2" X 3 1/2" X 5/16" L		1/2" X 3 1/2" X 3 1/2" X 5/16" L



TYP. BASEPLATE & ANCHOR BOLT DETAIL
SCALE: 3/4"=1'-0"



ENLARGED FLOOR PLAN
SCALE: 3/8"=1'-0"

Drawings to STPH + Ambrose Ruminibus

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SIGNATURE: _____ DATE: _____

THE FOLLOWING DIMENSIONS AND NOTES TO BE CONSIDERED AS PART OF THE CONSTRUCTION DIMENSIONS.

DESIGN LOADS:
CLIMATIC LOADS:
WIND: 8.35 LBS/SQ.FT.
SNOW: 25.00 LBS/SQ.FT.
HORIZONTAL WIND PRESSURE:
1/10 YEARS: 6.9 LBS/SQ.FT.
1/20 YEARS: 8.1 LBS/SQ.FT.
DEAD LOAD: 10 PSF
LIVE LOAD: 50 PSF
ROOF UPLIFT: 15.3 PSF

NO.	REVISION	DATE
2	ISSUED FOR PERMIT	APR. 18/2022
1	ISSUED FOR TENDER	APR. 14/2022
1	ISSUED FOR REVIEW	APR. 10/2022

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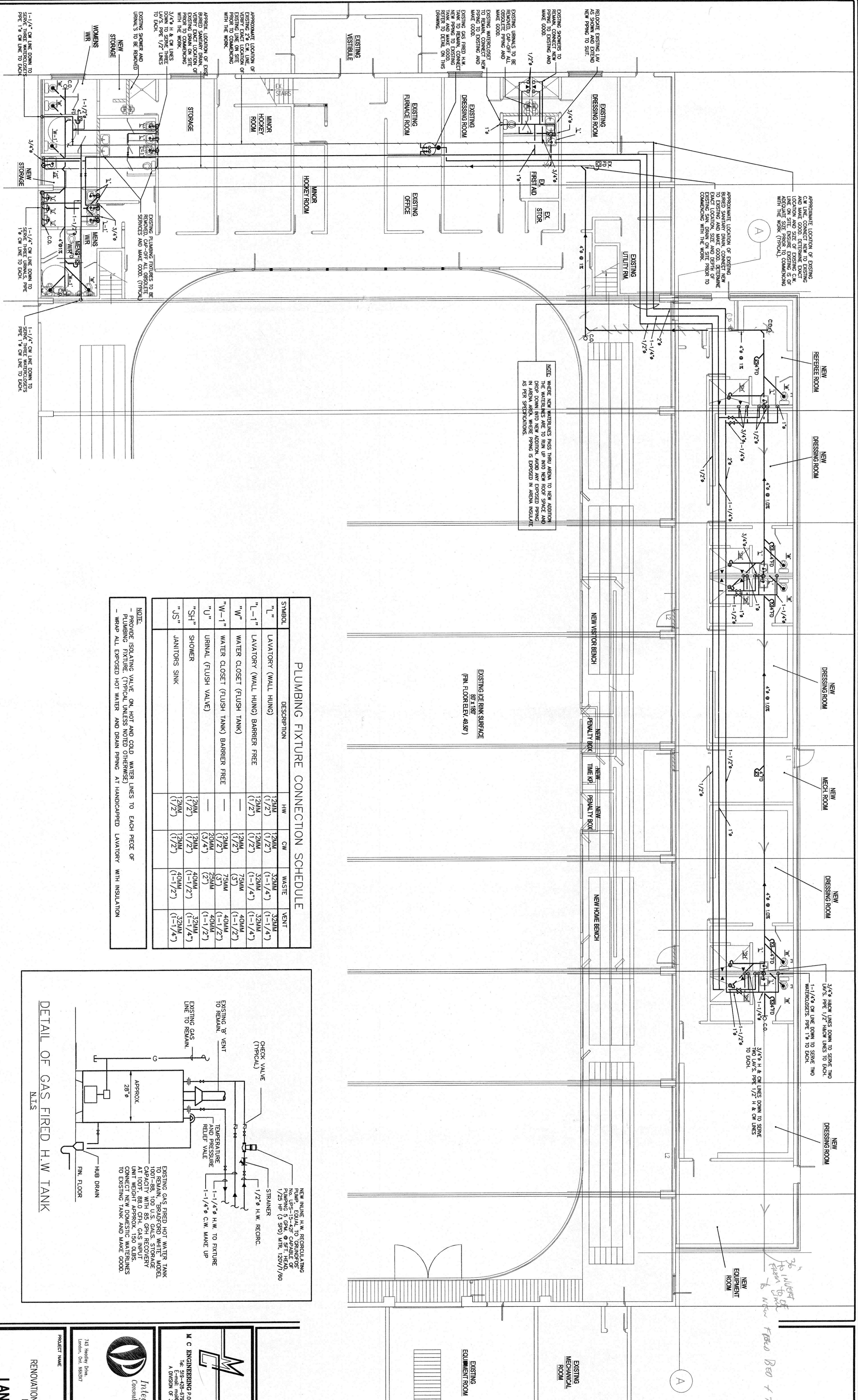
ASSOCIATION of ARCHITECTS
REGISTERED PROFESSIONAL ENGINEER
M. E. MORRISON
CONSULTANT ENGINEER

M. C. ENGINEERING P.O. Box 1002, Spruce, Ont. N0P 3S3
Tel: 519-878-2222
E-mail: info@mcengineering.ca

LANGTON ARENA
NORFOLK COUNTY
LANGTON, ONTARIO

RENOVATIONS & ADDITION

SCALE: AS SHOWN	PRODUCT NO: 1675
DRAWN BY: A.E.	CHECKED BY: F.J./M.E.M.
DATE: MAR/24	TITLE: S2

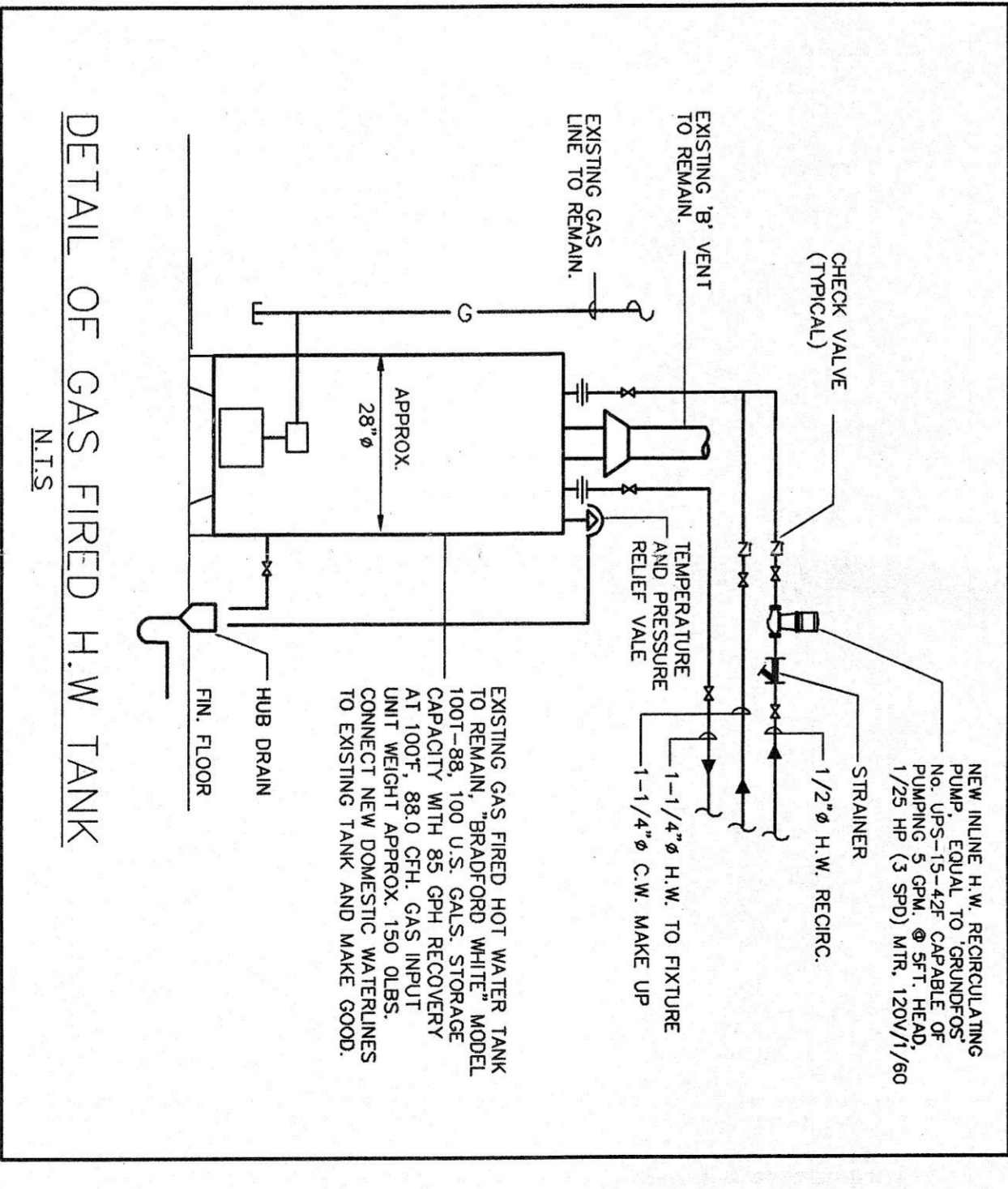


FLOOR PLAN
SCALE: 1/8" = 1'-0"

PLUMBING FIXTURE CONNECTION SCHEDULE

SYMBOL	DESCRIPTION	HW	CW	WASTE	VENT
"L"	LAVATORY (WALL HUNG)	1 3/4" (1/2")	1 3/4" (1/2")	3 3/4" (1-1/4")	3 3/4" (1-1/4")
"L-1"	LAVATORY (WALL HUNG) BARRIER FREE	1 3/4" (1/2")	1 3/4" (1/2")	3 3/4" (1-1/4")	3 3/4" (1-1/4")
"W"	WATER CLOSET (FLUSH TANK)	1 3/4" (1/2")	1 3/4" (1/2")	7 5/8" (3")	4 3/4" (1-1/2")
"W-1"	WATER CLOSET (FLUSH TANK) BARRIER FREE	1 3/4" (1/2")	1 3/4" (1/2")	7 5/8" (3")	4 3/4" (1-1/2")
"U"	URINAL (FLUSH VALVE)	1 3/4" (1/2")	2 1/2" (3/4")	4 3/4" (1-1/2")	4 3/4" (1-1/2")
"SH"	SHOWER	1 3/4" (1/2")	1 3/4" (1/2")	4 3/4" (1-1/2")	3 3/4" (1-1/4")
"JS"	JANITORS SINK	1 3/4" (1/2")	2 1/2" (3/4")	4 3/4" (1-1/2")	3 3/4" (1-1/4")

NOTE:
- PROVIDE ISOLATING VALVE ON HOT AND COLD WATER LINES TO EACH FLOOR OF PLUMBING FIXTURE. (TYPICAL UNLESS NOTED OTHERWISE)
- WRAP ALL EXPOSED HOT WATER AND DRAIN PIPING AT HANDICAPPED LAVATORY WITH INSULATION



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NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR TENDER	APRIL 14, 2002	
0	ISSUED FOR PERMIT	APRIL 14, 2002	
0	ISSUED FOR REVIEW	MAY 25, 2002	

LANGTON ARENA
RENOVATIONS & ADDITION
FOR
NORFOLK COUNTY
LANGTON, ONTARIO

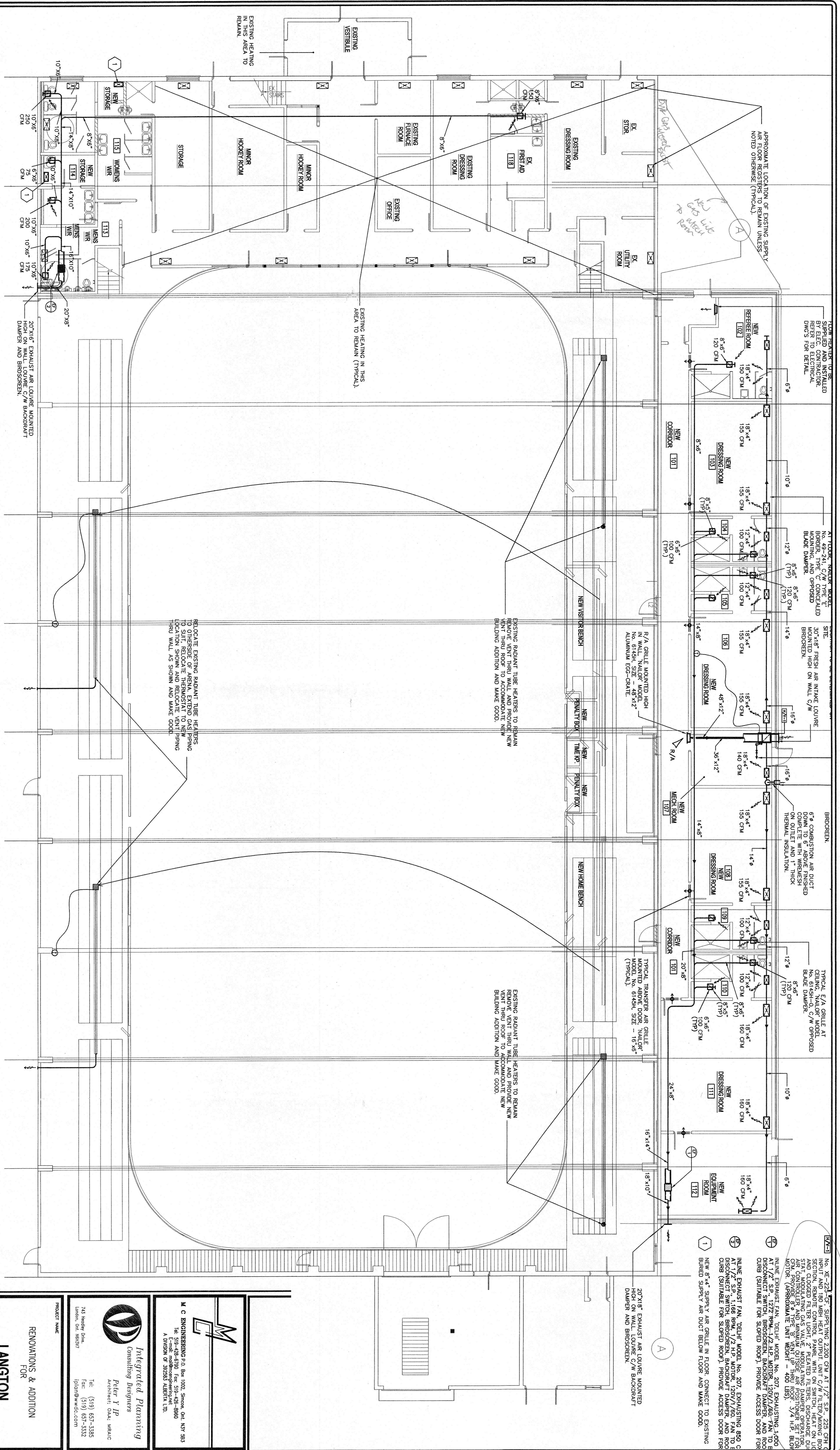
PROJECT NO. 1675
DATE: MAR/04
REV. NO. 0

M-1

M C ENGINEERING P.O. Box 1002, Simco, Ont. N3Y 5S3
Tel: (519) 426-7790 or (519) 426-8800
Fax: (519) 426-7790
E-mail: mcengineering@mceng.ca
A DIVISION OF 35253 ALBERTA LTD.

Integrated Planning
Peter Y. Ip
Architectural & Mechanical

742 Humber Park
London, Ont. N6H 7B7
Tel: (519) 657-2185
Fax: (519) 657-3333
Email: info@ipm.ca
ipm@ipm.ca



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

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0	ISSUED FOR REVIEW	MAR. 25, 2002
0	ISSUED FOR TENDER	APRIL 18, 2002
0	ISSUED FOR PERMIT	APRIL 18, 2002

LANGTON ARENA
KNOX COUNTY
LANGTON, ONTARIO

RENOVATIONS & ADDITION
FOR
FLOOR PLAN - HVAC

PROJECT NO. 1675

SCALE: AS SHOWN

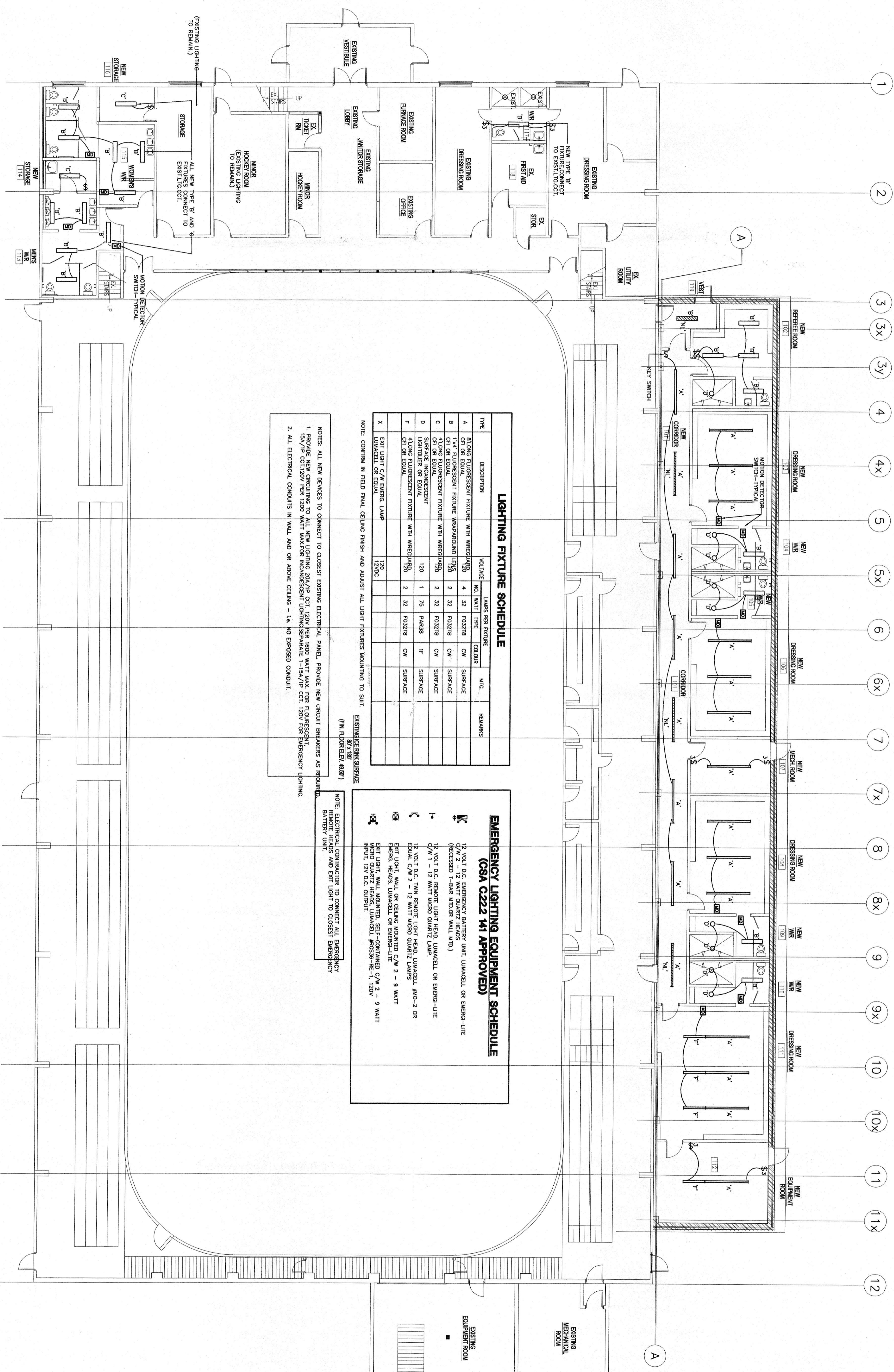
DATE: MAR./04

REV. NO. 0

FILE NAME: 1675-121MVC

M C ENGINEERING
743 Hedley Place
London, Ont. N6Y 5Y3
Tel: 519-428-6790 Fax: 519-405-8680
E-mail: mc@mcengineering.net
A DIVISION OF 27263 ABERNIA LTD.

Integrated Planning
Consulting Designers
Peter Y. P.
Architect: Osh. M.B.A.C.



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

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	VOLTAGE	NO. WATT	TYPE	COLOUR	MTC.	REMARKS
A	8'x8' FLUORESCENT FIXTURE WITH WIREGUARD OR EQUAL	120	4	32	FOOT/8	CW	SURFACE
B	1'x4' FLUORESCENT FIXTURE WITH WIREGUARD OR EQUAL	120	2	32	FOOT/8	CW	SURFACE
C	1'x4' FLUORESCENT FIXTURE WITH WIREGUARD OR EQUAL	120	2	32	FOOT/8	CW	SURFACE
D	SURFACE INCANDESCENT LIGHTER OR EQUAL	120	1	75	PAR38	IF	SURFACE
F	1'x4' FLUORESCENT FIXTURE WITH WIREGUARD OR EQUAL	120	2	32	FOOT/8	CW	SURFACE
X	EXIT LIGHT C/W EMERG. LUMIN.	120					

NOTE: CORNER IN FIELD FINISH CEILING FINISH AND ADJUST ALL LIGHT FIXTURES MOUNTING TO SUIT. EXISTING RINK SURFACE (FIN FLOOR ELEV. 4837)

- NOTES: ALL NEW DEVICES TO CONNECT TO CLOSEST EXISTING ELECTRICAL PANEL. PROVIDE NEW CIRCUIT BREAKERS AS REQUIRED.
 1. PROVIDE NEW CIRCUITING TO ALL NEW LIGHTING 20A/1P CCT. 120V PER 180W WATT MAX. FOR FLUORESCENT 15A/1P CCT. 120V PER 120W WATT MAX. FOR INCANDESCENT LIGHTING. SEPARATE T-15A/1P CCT. 120V FOR EMERGENCY LIGHTING.
 2. ALL ELECTRICAL CONDUITS IN WALL AND OR ABOVE CEILING - 1.6. NO EXPOSED CONDUIT.

**EMERGENCY LIGHTING EQUIPMENT SCHEDULE
(CSA C222 141 APPROVED)**

	12 VOLT D.C. EMERGENCY BATTERY UNIT, LUMINACEL OR EMERG-LITE (RECESSED) 1-9W (INDOR WALL MTD)
	12 VOLT D.C. REMOTE LIGHT HEAD, LUMINACEL OR EMERG-LITE 1/4" - 1/2" WATT MICRO QUANTZ LAMP
	12 VOLT D.C. WALL MOUNTED LIGHT HEAD, LUMINACEL AND-2 OR EQUAL C/W 2 - 1/2 WATT MICRO QUANTZ LAMPS
	EXIT LIGHT, WALL MOUNTED, SELF-CONTAINED C/W 2 - 9 WATT EMERG. HEADS, LUMINACEL OR EMERG-LITE
	EXIT LIGHT, WALL MOUNTED, SELF-CONTAINED C/W 2 - 9 WATT INPUT, 12V D.C. OUTPUT

NOTE: ELECTRICAL CONTRACTOR TO CONNECT ALL EMERGENCY REMOVE HEADS AND EXIT LIGHT TO CLOSEST EMERGENCY BATTERY UNIT.

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NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR TENDER	MAR 18, 2008	

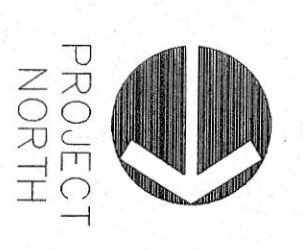
M C ENGINEERING P.O. Box 1002, Simco, ONT. N3Y 5B3
 16, Elmwood Drive, Simco, ONT. N3Y 5B3
 A DIVISION OF 362533 ALBERTA LTD.

Integrated Planning
 Consulting Designers
 Peter Y. Ip
 Architect, OAC, MCAIC
 Tel: (519) 637-4385
 Fax: (519) 637-4332
 Email: info@wpdc.com
 info@wpdc.com

LANGTON ARENA
 NORFOLK COUNTY
 LANGTON, ONTARIO

RENOVATIONS & ADDITION
 FOR
 FLOOR PLAN

PROJECT NO. 1675
 SHEET NO. E1
 REV. NO. 0



PROJECT NORTH

