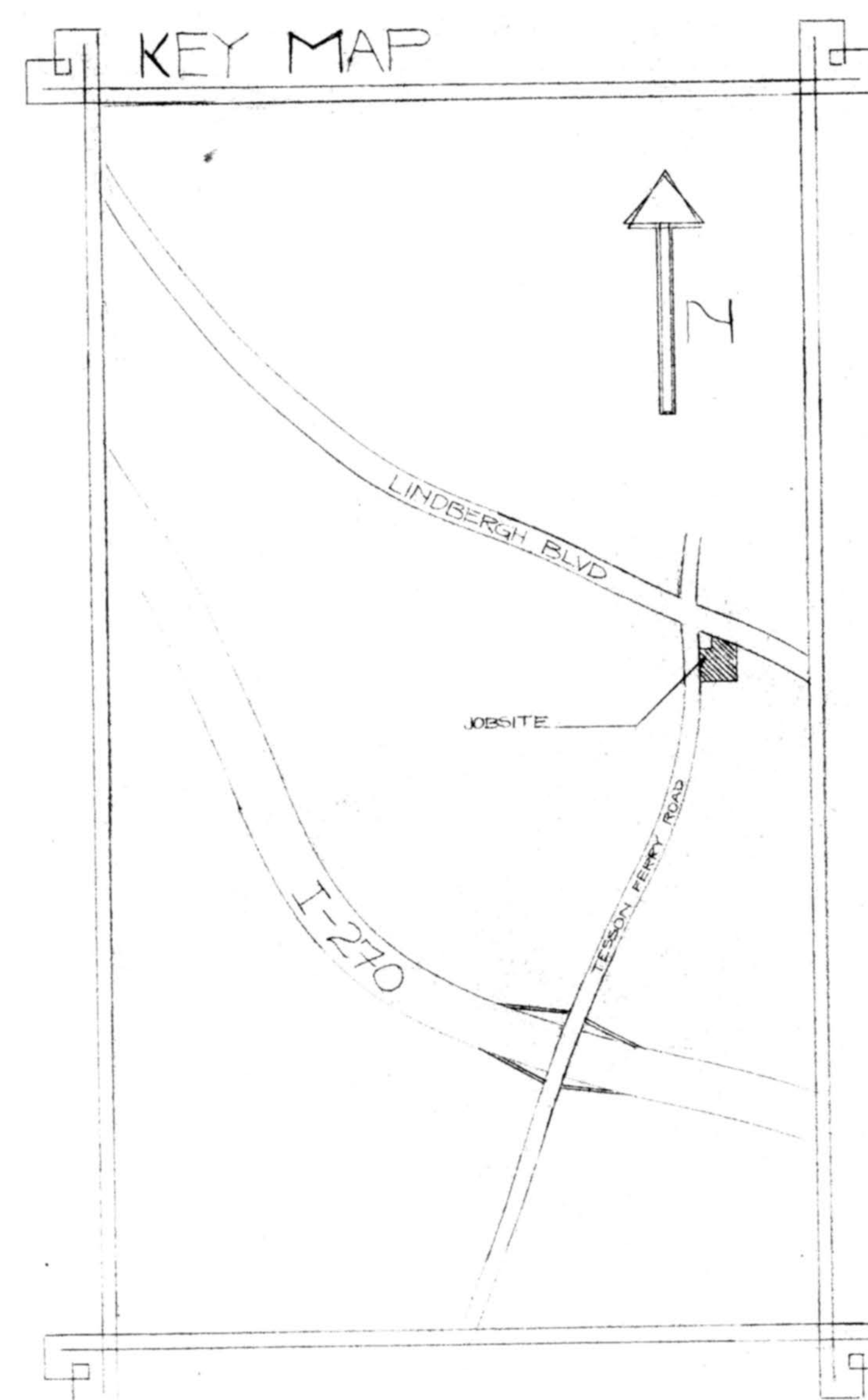


GENERAL NOTES

1. ALL CONSTRUCTION IS TO BE DONE TO THE HIGHEST STANDARD OF WORKMANSHIP AND MATERIAL QUALITY.
2. ALL EXPOSED EXTERIOR CONCRETE SHALL BE 5% AIR ENTRAINMENT.
3. ALL MASONRY WALLS SHALL HAVE #4 GA "DUROWALL" (TRUE TYPE) REINFORCING AT 16" ON VERTICAL.
4. DO NOT SCALE DRAWINGS. USE ONLY WRITTEN DIMENSIONS. ALL DIMENSIONS SHALL BE VERIFIED. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF D.E. SCHULTZ AND AS NOTED FOR VERIFICATION AND CORRECTION.



SHEET SCHEDULE

- A1 COVER SHEET
- A2 SITE PLAN
- A3 GRADING PLAN
- A4 ELEVATIONS
- A5 FLOOR PLAN
- A6 ENLARGED FLOOR PLAN
- A7 SECTION THROUGH LENGTH OF BUILDING
- A8 SECTION THROUGH WIDTH OF BUILDING
- A9 WINDOW SCHEDULE/DOOR SCHEDULE
- A10 ROOM FINISH SCHEDULE
- S1 FOUNDATION PLAN & SECTIONS
- S2 FRAMING PLAN
- S3 STRUCTURAL SECTIONS
- E1 ELECTRICAL PLAN
- M1 H.V.A.C. PLAN
- M2 LIFT/AIR-LINE PLAN
- M3 EXHAUST SYSTEM PLAN
- PI PLUMBING PLAN

BUILDING AREAS

TOTAL AREA	18,833 SQ. FT.
TOTAL ENCLOSED AREA	15,673 SQ. FT.
SERVICE SHOP	8300 SQ. FT.
PARTS	1572 SQ. FT.
PARTS DISPLAY	1417 SQ. FT.
GENERAL OFFICE	426 SQ. FT.
OFFICES, CLOSING ROOMS, LOUNGE, ETC.	2405 SQ. FT.
SECOND FLOOR	1513 SQ. FT.
OUTDOOR SHOWROOM	3180 SQ. FT.

B.O.C.A. CLASSIFICATIONS

USE GROUP	S1
CONSTRUCTION TYPE	2C

SYMBOL LEGEND

- SECTION NUMBER
- SECTION (SHEET NUMBER OF DRAWING, SHEET NUMBER OF PLACEMENT OF CUT)
- DOOR (NUMBER CORRESPONDS WITH DOOR SCHEDULE)
- WINDOW (LETTER CORRESPONDS WITH WINDOW SCHEDULE)
- ROOM (NUMBER CORRESPONDS WITH ROOM SCHEDULE)

CONTRACTOR
diestelkamp const
ST LOUIS, MO 63127
314 843 9504

ARCHITECTURAL ENGINEER
d.e. schultz & assoc
BRENTWOOD, MO 63144
314 962 2484

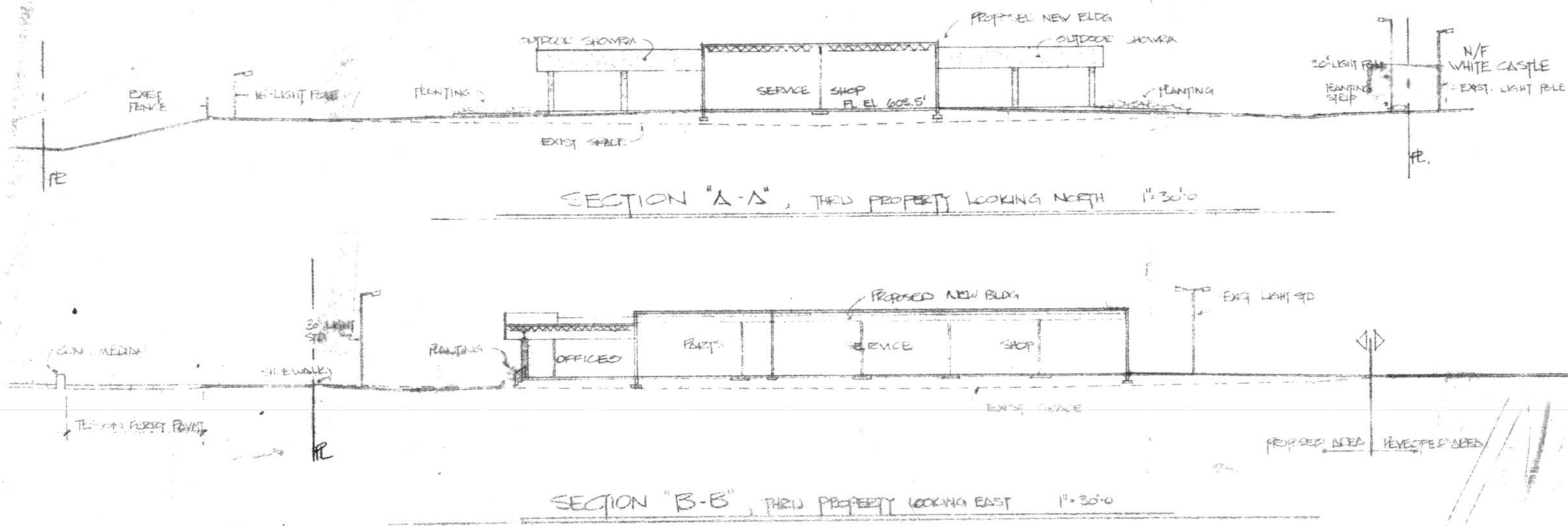
REVISIONS
1- 6-15-77

art haack gmc, inc
ST LOUIS, MO

SEAL
OF MISSOURI REGISTERED PROFESSIONAL ENGINEER
DONALD E. SCHULTZ
NO. 10000
EXPIRATION DATE 12/31/80

PROJECT NO
7710
DATE
6-13-77

SHEET
A1



NOTES: (LIGHT SIGNS & TRASH RECEPTACLE)

- 1) LIGHT SIGNS 'A', 'N', 'P' ARE 30"0 HIGH.
- 2) LIGHT SIGNS 'O' ARE 16"0 HIGH.
- 3) NEW DEVELOPMENT BLDG TO USE TRASH FACILITIES OF EXISTING BLDG.

NOTE:

ENTRANCE TO REAR OF WHITE CASTLE ON NORTHWEST CORNER OF PROPOSED NEW DEVELOPMENT SHALL REMAIN AS IT CURRENTLY EXISTS & NO CHANGES SHALL BE MADE UNTIL SUCH TIME AS JURY & JUDICIAL DECISIONS FOR DEVELOPMENT AS TO HAVE BEEN OBTAINED & RECORDED AT THAT TIME WORK SHALL PROCEED AS SHOWN ON PLANS AS REQUIRED TO COMPLETE SAID ENTRANCE. THIS WORK INCLUDES THE REMOVAL OF THE TEMPORARY PLANTING, RELOCATION OF EXIST. LIGHT SIGNS & FIRE HYDRANT & REMOVAL OF EXIST. ENTRANCE CURB & VICINITY OF THE DRIVE ENTRANCE.

LANDSCAPE SCHEDULE:

SYM	NAME	QUANTITY	SIZE
1	ANDROMEDA JUNIPER	8	15" x 24"
2	JAPANESE DWARF YEW	17	8" x 24"
3	MUGHO PINE	15	8" x 24"
4	HICKS YEW	20	8" x 24"

SEE NOTE BELOW

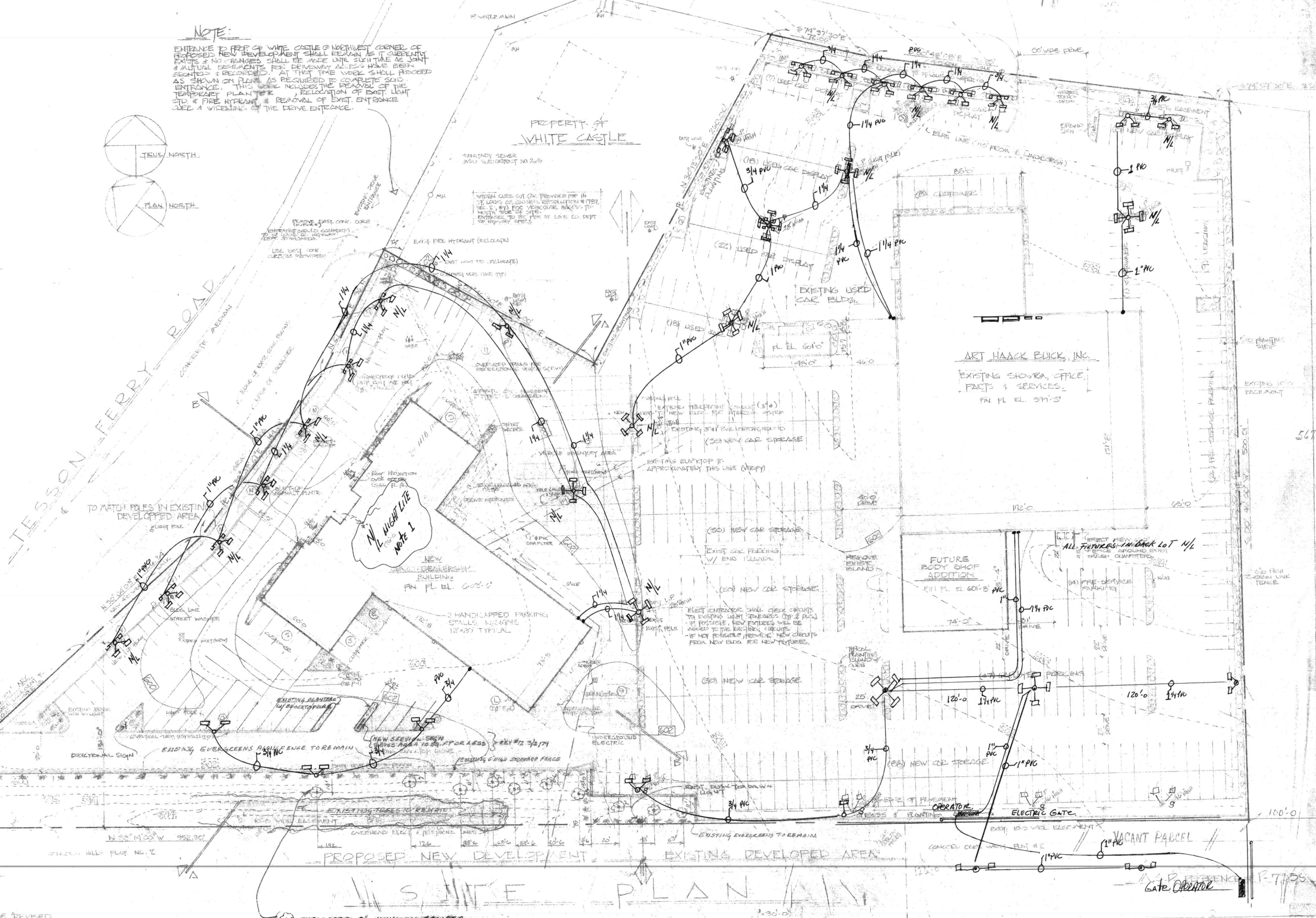
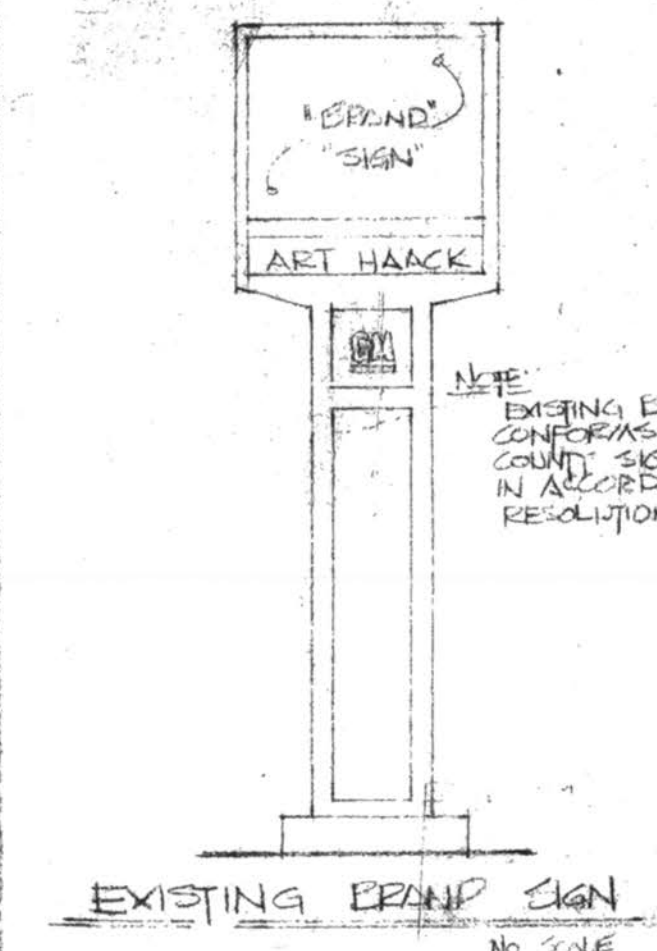
PARKING DATA:

PROPOSED:	
OUTDOOR SHOWROOM	16
SERVICE SHOP	14
NEW/USED STORAGE & DISPLAY	101
MISCELLANEOUS	22
CUSTOMER	13
SUB TOTAL	166
EXISTING:	
INTERIOR PARKING	30
EXTERIOR PARKING	429
SUB TOTAL	459
TOTAL PARKING SPACES (EXISTING + PROPOSED)	625

PARKING RATIO FOR PROPOSED ADDITION:

1:1.194:1.000 = ONE SPACE FOR EVERY 84.10 SQ. FT. OF ENCLOSED FLOOR AREA.

TRUCK UNLOADING (35'x50')



TOPOGRAPHY NOTE:

- 1) EXISTING GRADES
- 2) PROPOSED GRADES
- 3) ALL EXISTING GRADES ARE TAKEN FROM THE PROVIDED FINAL DEVELOPMENT MAP BY R.W. MACDONALD & ASSOCIATES, INC. AS NOTED THEREIN IN BOOK 166, PAGE 25, 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.
- 4) ELEVATION - 1' = 10' CO. DEPT. OF HIGHWAY RICHMOND # 22-5

REV. #12 4/2/99

INDICATES 2" MINIMUM CALIBER PIN OAKS TO BE ADDED. (10 PLACES)

LOCATIONS SHOWN ARE LOCATIONS OF WOOD STAKES IN PLACE. GENERAL LOCATION OF STAKES AGREED UPON WITH MR. GRIFFITH & S. COUNTY DEPT. OF PLANNING

AMENDED FINAL DEVELOPMENT PLAN

art haack gmc, inc

CONTRACTOR

diestekamp const

ARCHITECTURAL FIRM

d.e. schultz & assoc

PROJECT NO

7710

SHEET

A2

ST. LOUIS, MO. 63127

314.953.5504

314.953.2484

10-18-1998 (AMENDED) (2nd REV.)

U.S. 41577 (UNRECORDED) (2nd REV.)

U.S. 41577 (UNRECORDED) (2nd REV.)

NOTES

- 1) ALL EXISTING GRADES ARE FROM THE "REVISED FINAL DEVELOPMENT PLAN" BY E.W. MACDERMOTT & ASSOC. AS RECORDED ON 4-17-76 BOOK 166, PAGE 25.
- 2) VERIFY ALL ELEVATIONS OF EXISTING STORM SEWER DRAINAGE.
- 3) ALL NEW FINISHED GRADES TO MATCH EXISTING GRADES AT PROPERTY LINE.
- 4) ALL NEW SEWER CONSTRUCTION TO SHALL CONFORM TO CURRENT ST. LOUIS COUNTY PLUMBING CODE.
- 5) SEE SITE PLAN (SHEET A2) FOR SANITARY SEWER LOCATION.
- 6) ALL STORM SEWER CONSTRUCTION SHALL CONFORM TO STANDARD METROPOLITAN SEWER PROJECT CONSTRUCTION DETAILS.

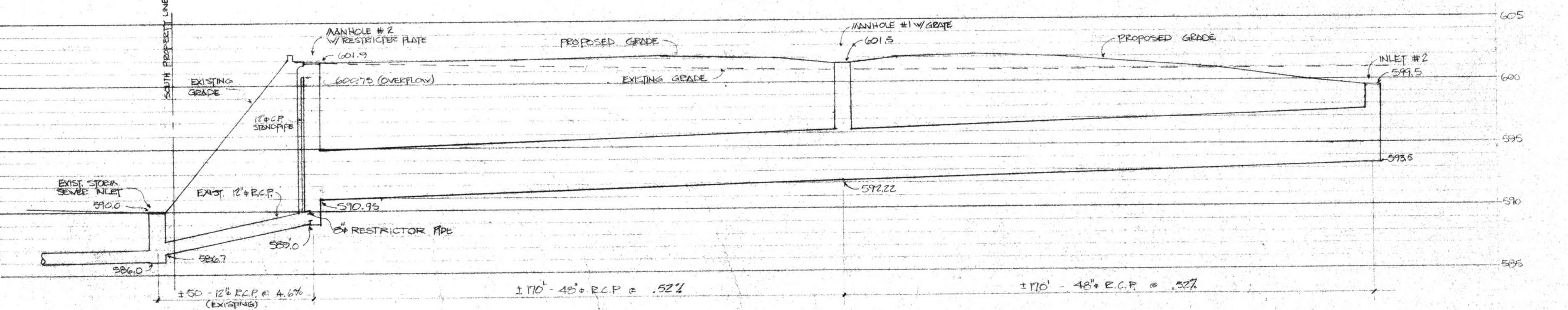
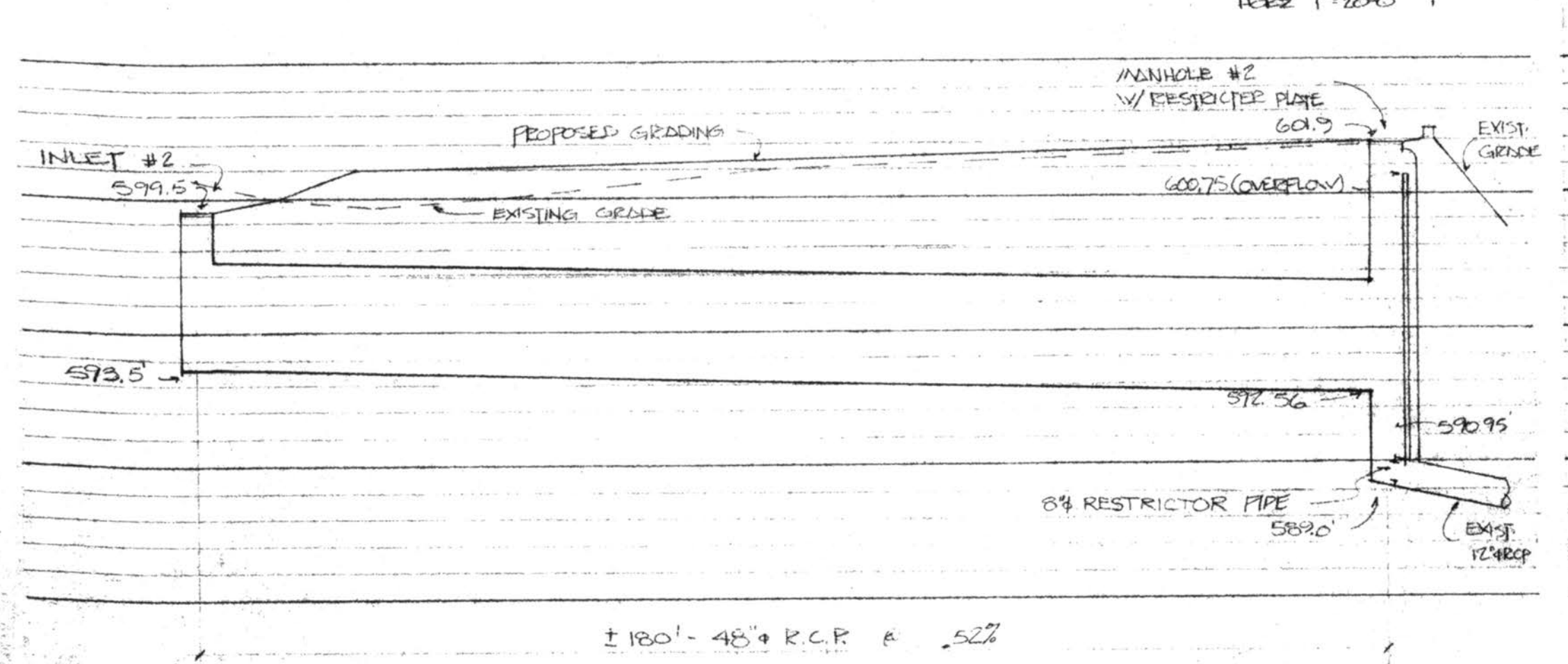
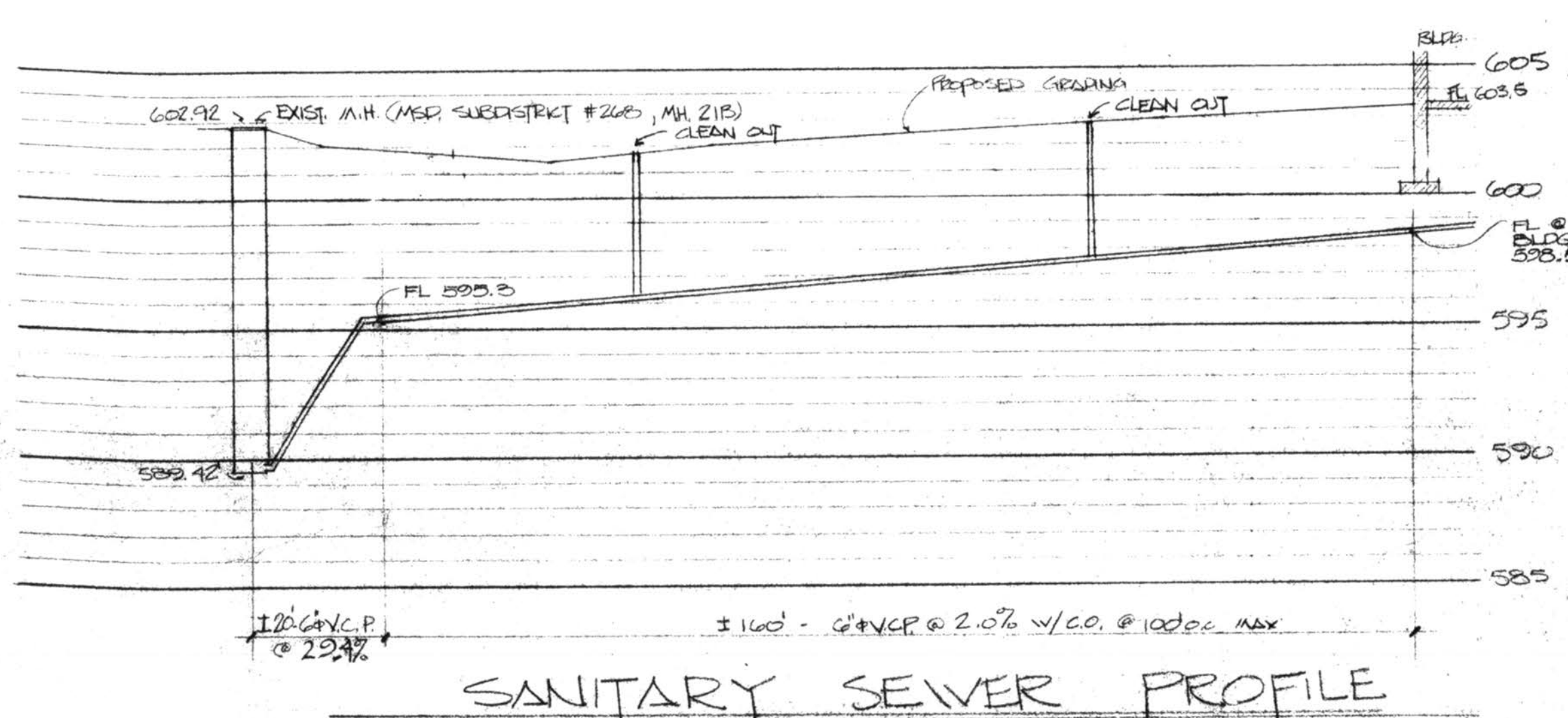
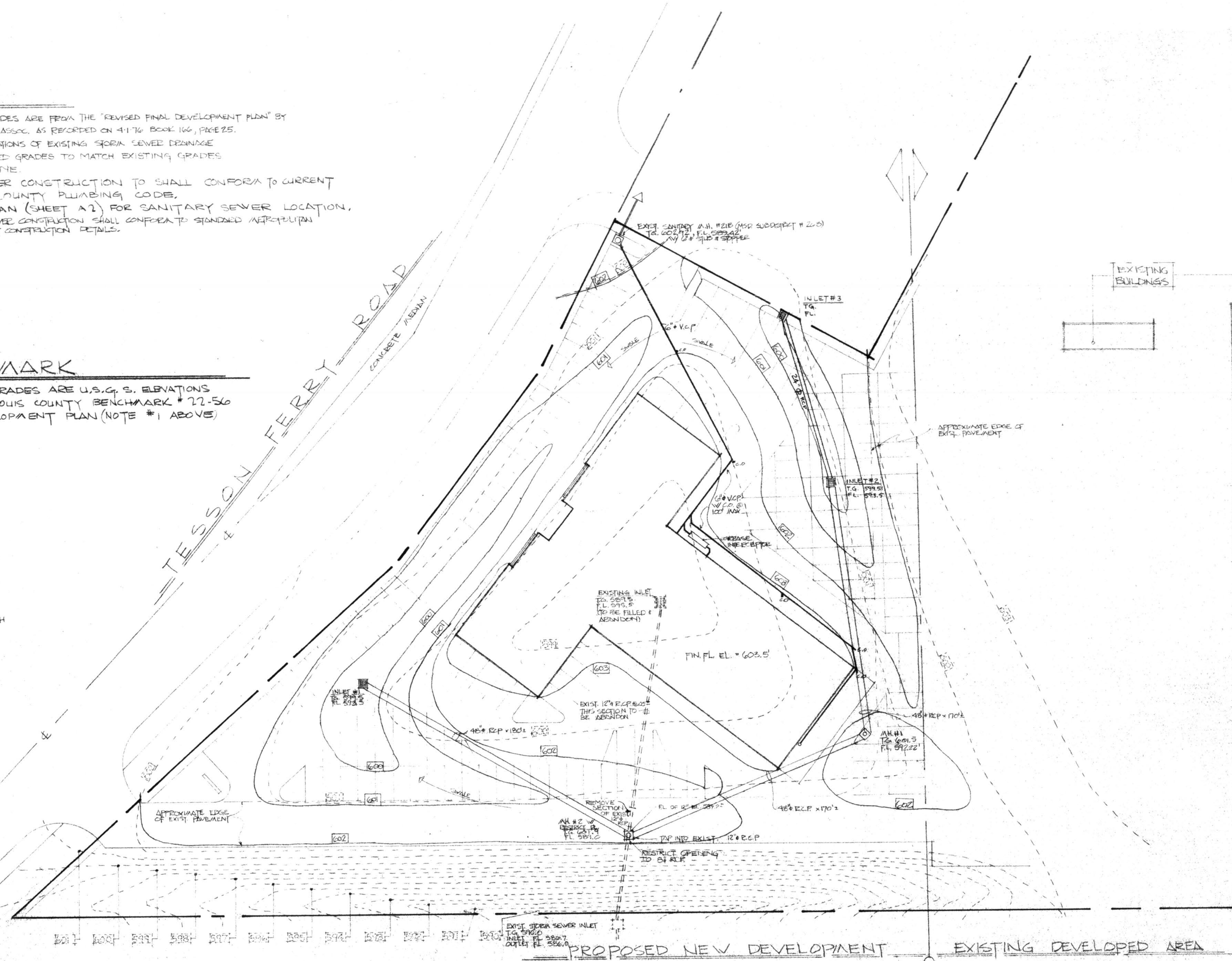
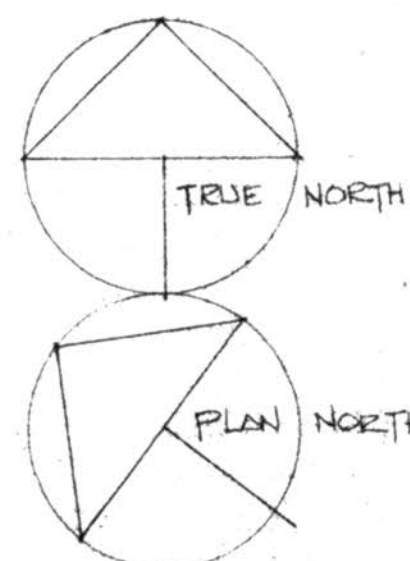
BENCHMARK

EXISTING GRADES ARE U.S.G.S. ELEVATIONS USING ST. LOUIS COUNTY BENCHMARK # 22.56 FROM DEVELOPMENT PLAN (NOTE #1 ABOVE)

CALCULATIONS

(OPEN WATER)

- TOTAL AREA CONSIDERED - INCLUDING SECTION OF 4.13 AC WHITE CACTUS
- FRACTION RUNOFF (W/ IMPERVIOUS SURFACE) = $1.7 \times 4.13 = 7.02$ CFS
- PROPOSED RUNOFF (W/ IMPERVIOUS SURFACE) = $3.5 \times 4.13 = 14.46$ CFS
- DIFFERENTIAL RUNOFF = 14.46 CFS - 7.02 CFS = 7.54 CFS
- RETENTION PERIOD (30 MIN) = 7.54 CFS $\times$ 30 MIN $\times$ 60 SEC = 13.572 CFS
- DETENTION PROVIDED:
 - $48" \times 60" \times (48") \times$ LENGTH OF 520'
 - VOLUME = $2700 \times (520) = 6535$ C.F.
 - FLOWING @ INLET #1 TO EL. 600.5
 - VOLUME = $9000/2 = 4500$ C.F.
 - FLOWING @ INLET #2 TO EL. 600.5
 - VOLUME = $2200/2 = 1100$ C.F.
 - INLETS & A.H. = $250' \times (30.75') = 600.75'$ (13.572 CFS)
 - TOTAL DETENTION PROVIDED = 13.572 C.F.
 - $\therefore$ WATER WILL RISE TO NO GREATER EL. THAN 600.75'
- RESTRICTOR SIZE TO MAINTAIN RATE OF FLOW @ 7.12 CFS OR LESS.
 - TRY 8" RESTRICTOR
 - $Q = \frac{8(4)(11)}{144} \sqrt{2(32.2)(600.75 - 590.75)}$
 - $= .2792 \sqrt{631.12}$
 - $Q = 7.01 < 7.12$ OK, USE 8" RESTRICTOR IT.
- HEIGHT OF 12" SANDPIPE TO ASSURE GREATEST WATER EL. @ 600.75'
 - $Q = 7.12 - 7.01 = .11$
 - $.11 = .2792 \sqrt{64.4(h)}$
 - $h = .002'$
 - $\therefore 600.75 - .002' = 600.748'$ USE 600.75'



CONTRACTOR
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REVISIONS
1 - 6-15-77
2 - 7-15-77
3 - 10-10-77
4 - 11-17-77
5 - 5-15-78
15 BOLT 5-26-77

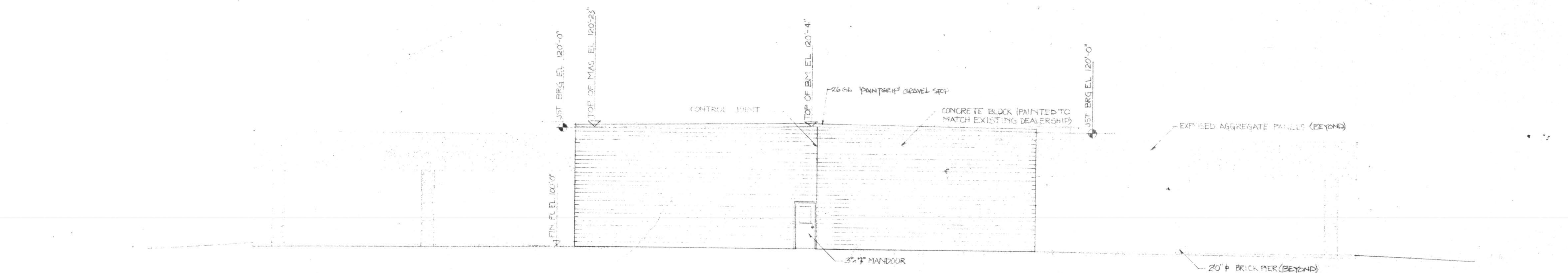
art haack gmc, inc
st louis co, mo



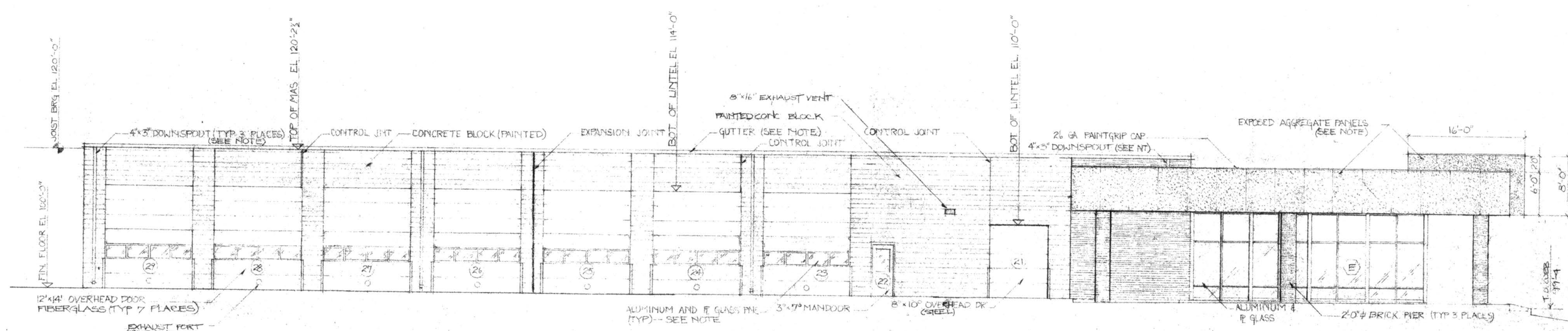
PROJECT NO
7710
DATE
6-13-77

SHEET
A3

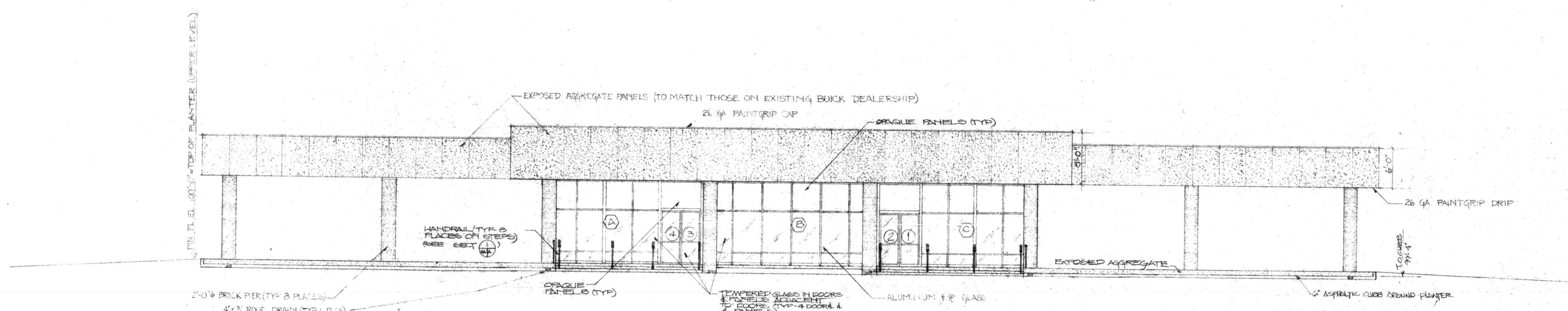
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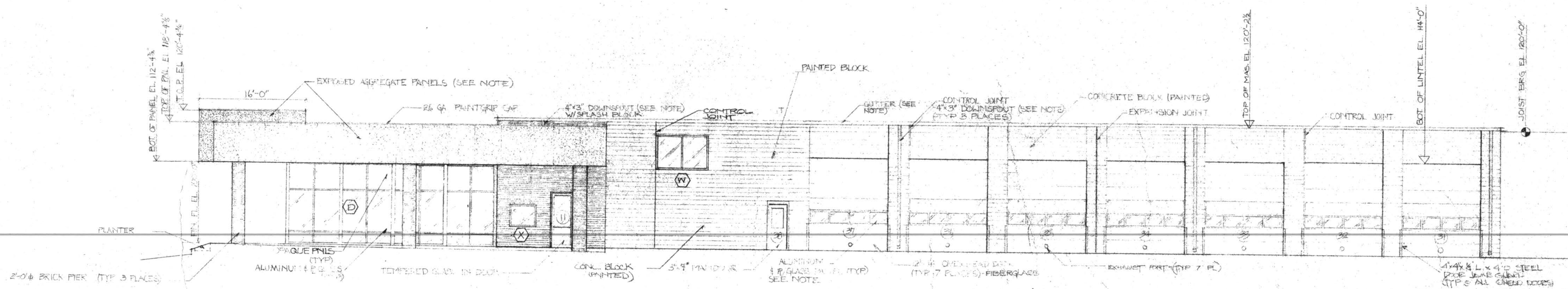
S O U T H E L E V A T I O N



E A S T E L E V A T I O N



N O R T H E L E V A T I O N



W E S T E L E V A T I O N

NOTE: ALL AGGREGATE PANELS; AND PAINT ON CONCRETE BLOCK, GUTTERS, GRAVELSTOPS, AND DOWNSPOUTS SHALL MATCH THOSE ON EXISTING BUICK DEALERSHIP.

CONTRACTOR
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ST LOUIS, MO. 63127
314 843 5504

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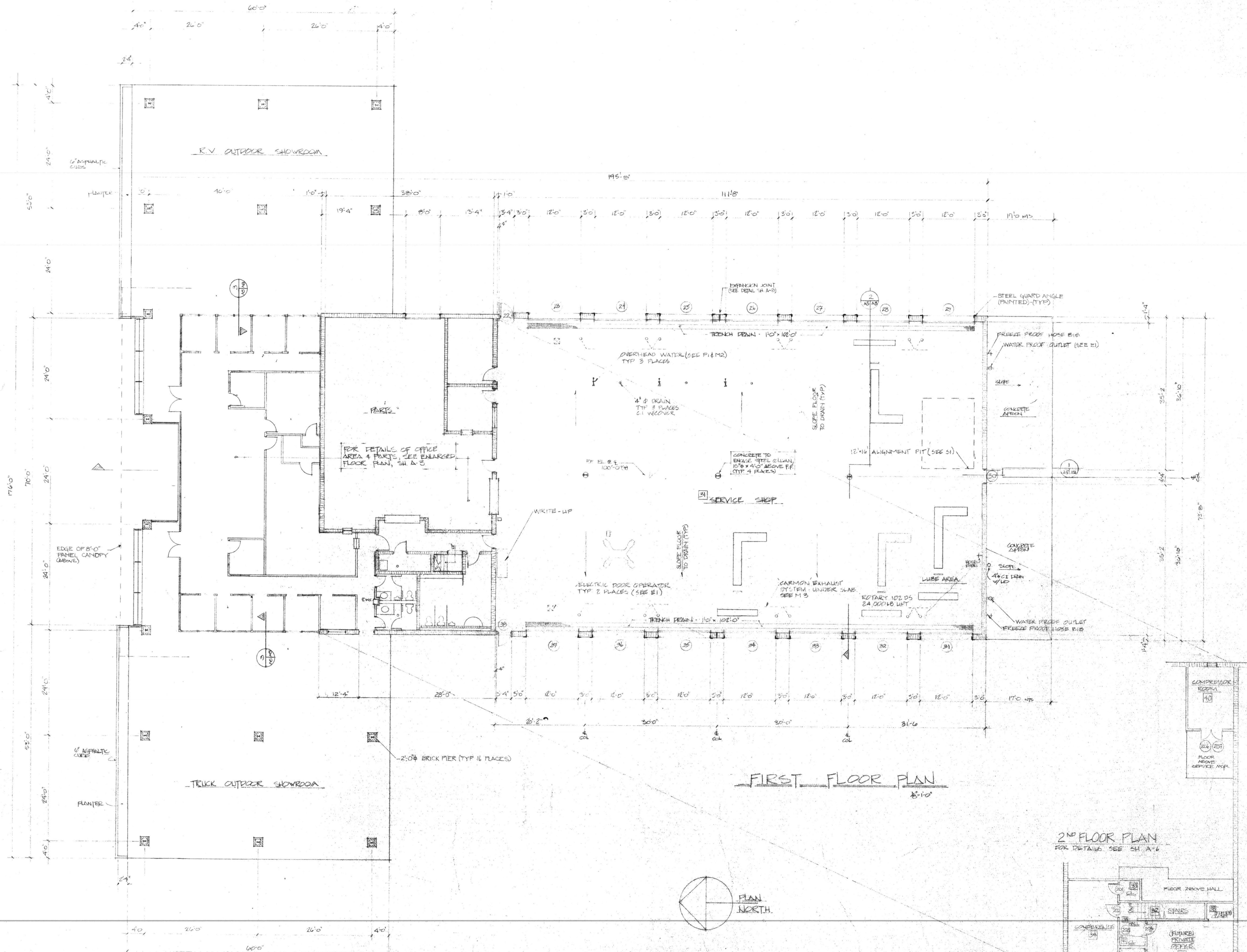
REVISIONS
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2-7-15-77
3-8-2-77
4-8-15-77
5-10-15-77
6-15-77
7-25-77

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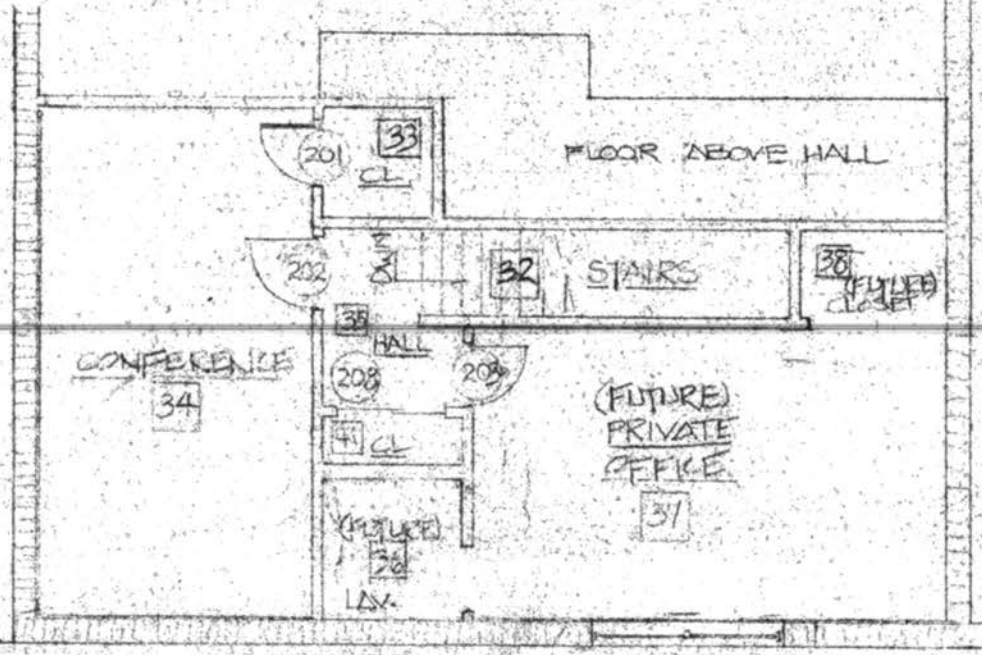
PROJECT NO
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DATE
6-13-77

SHEET
24



FIRST FLOOR PLAN
15'-10"

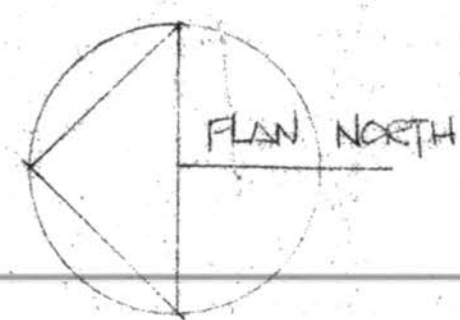
2ND FLOOR PLAN
FOR DETAILS SEE SH. A-6



CONTRACTOR
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314 843 5504

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BRENTWOOD, MO 63144
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REVISIONS	
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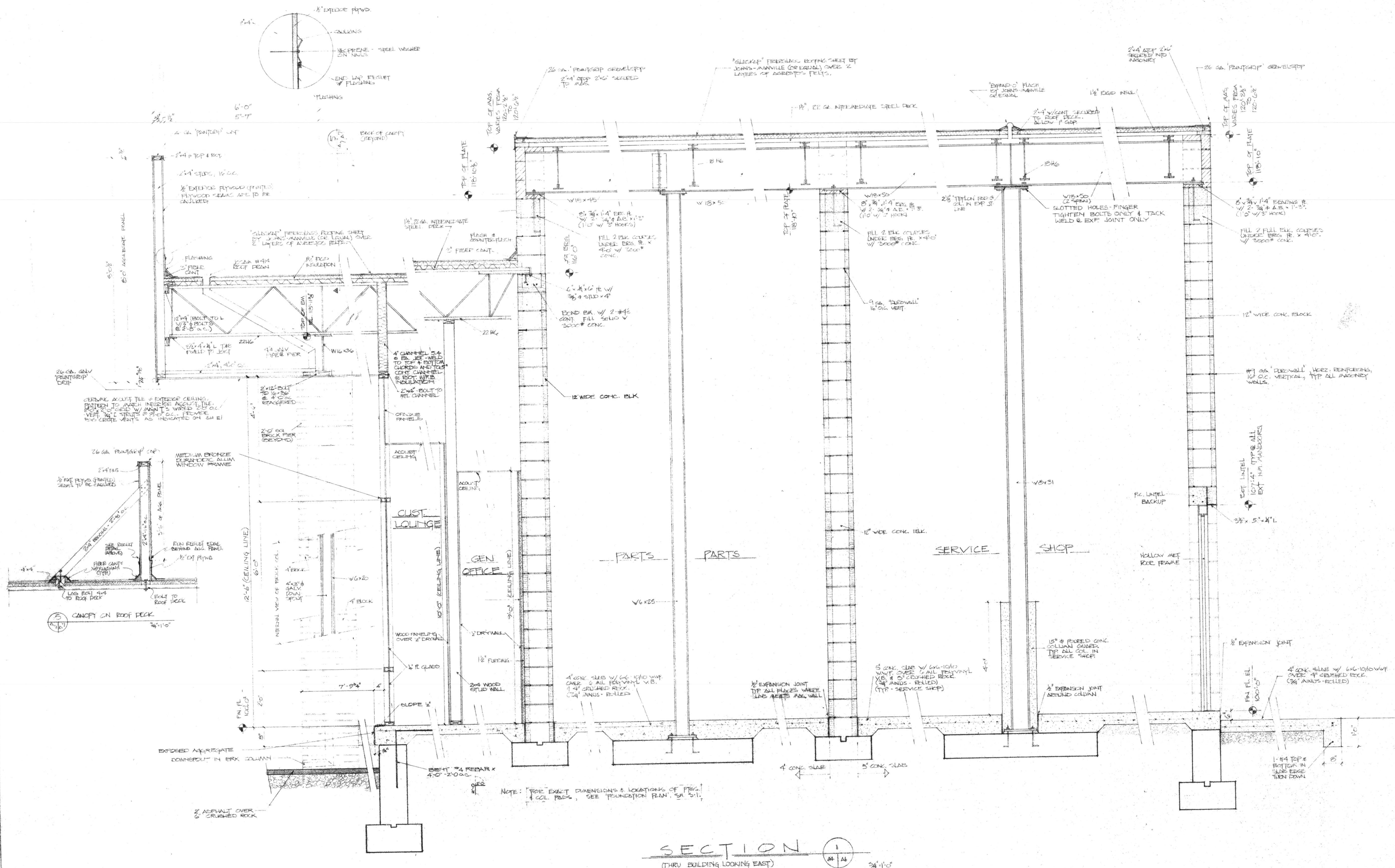
PARTS (BELOW)
HEIGHT PROVIDED FOR
DOUBLE STACKING BINS

SERV. INSR.
OFFICE

CONTRACTOR

diestelkamp const

ST LOUIS MO 63127
314 843 5504



CONTRACTOR

diestelkamp const

ST LOUIS MO 63127
314 843 5504

ARCHITECTURAL ENGINEER

d.e. schultz & assoc

BRENTWOOD MO 63144
314 982 2484

REVISIONS

1	6-15-77
2	7-15-77
3	8-15-77
4	9-15-77
5	10-15-77

art haack gmc, inc

st louis co, mo

SEAL

ST. LOUIS, MISSOURI
JULY 15, 1977
D.E. SCHULTZ
ARCHITECTURAL ENGINEER

PROJECT NO

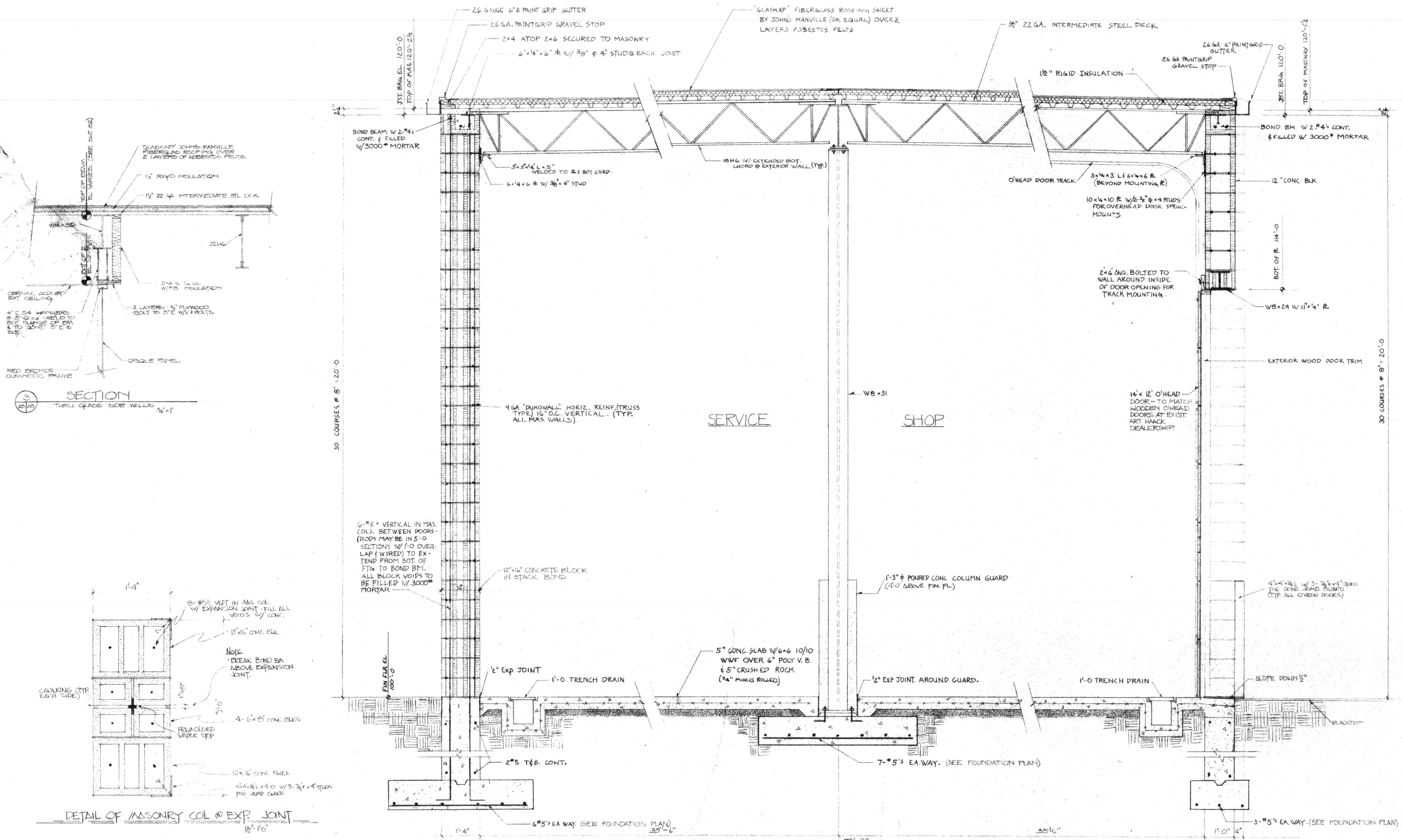
7710

DATE

6-13-77

SHEET

A7



CONTRACTOR

diestelkamp const

ST LOUIS MO 63127
314 843 5504

ARCHITECTURAL ENGINEER

d.e. schultz & assoc

BRENTWOOD MO 63144
314 962 2484

REVISIONS

1-6-15-77

2-0-7-12-77

11-5-15-78

PROJECT NO

7710

DATE

6-13-77

SHEET

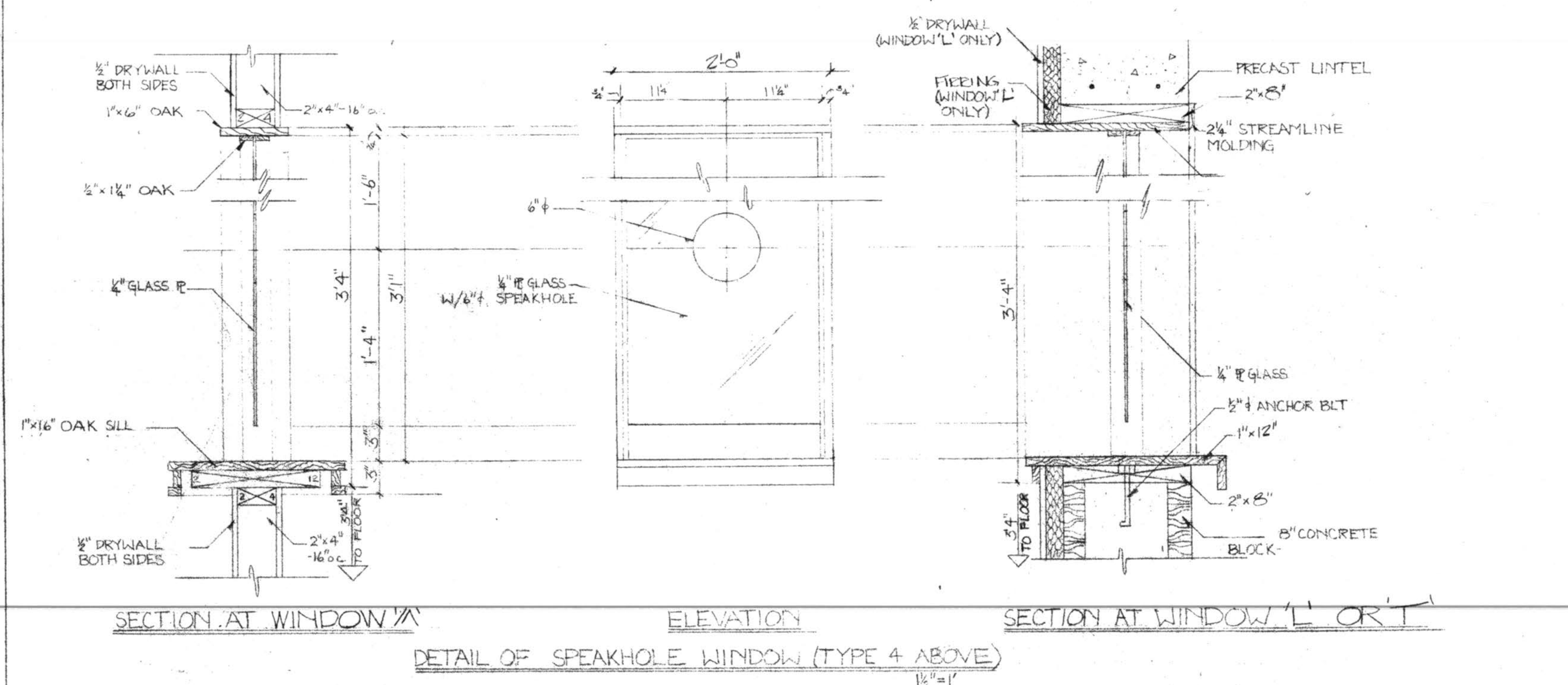
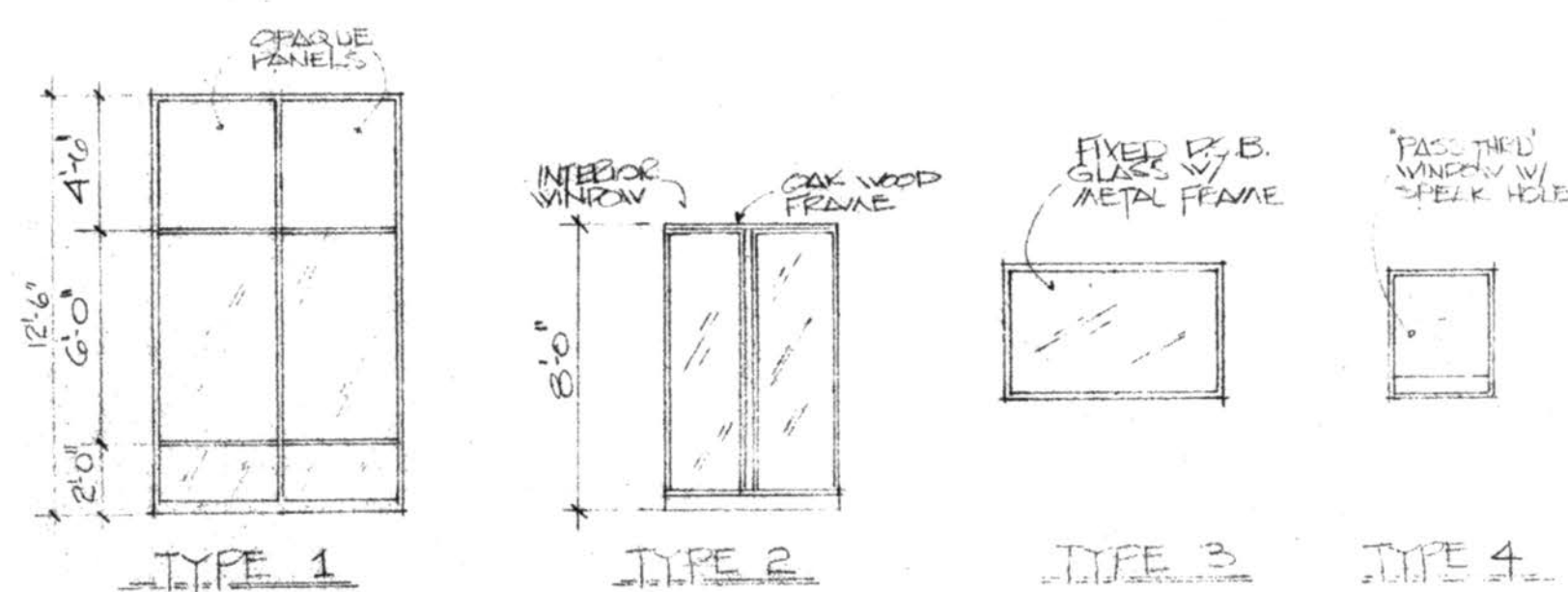
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art haack gmc, inc

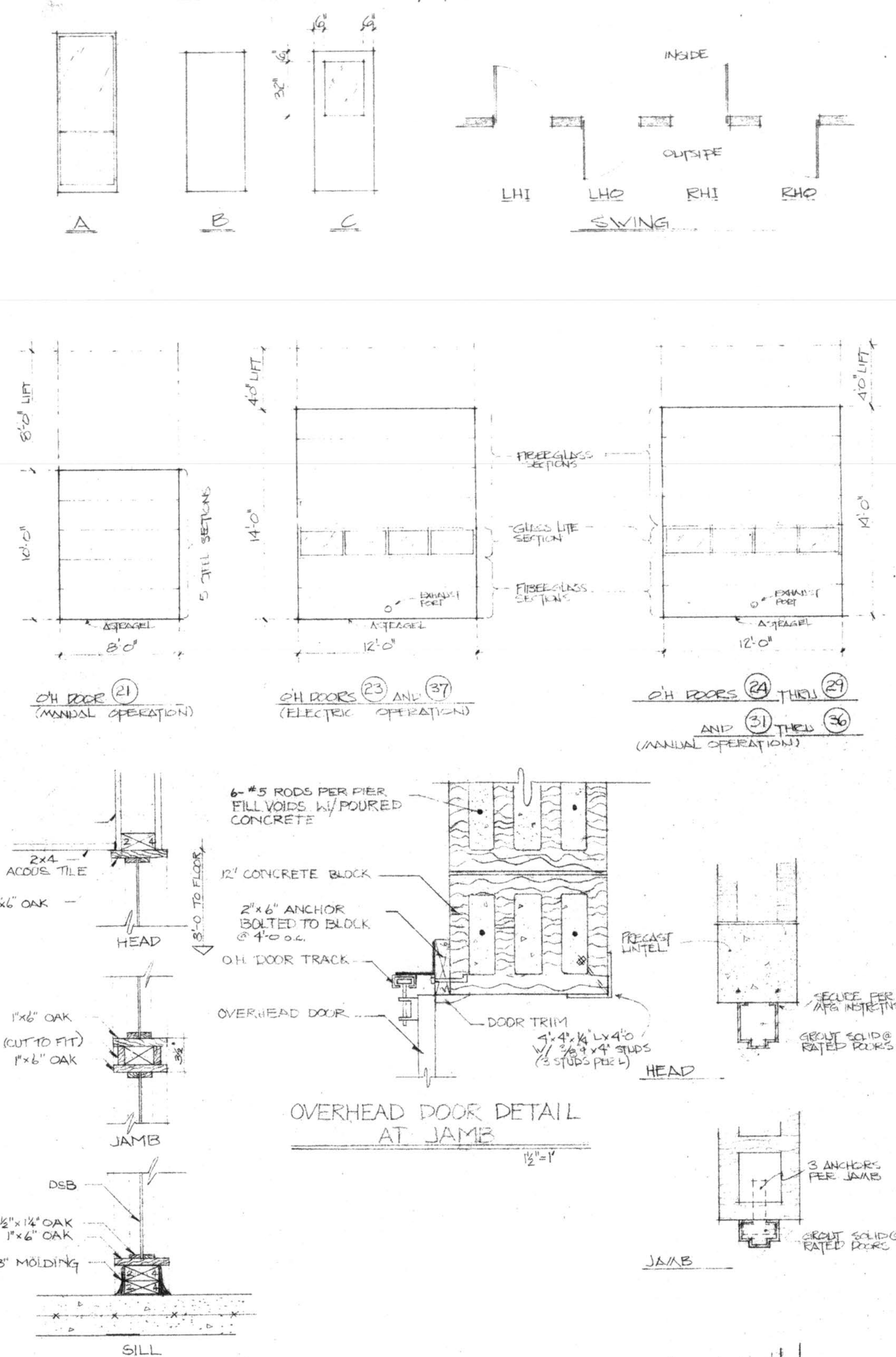
st louis co, mo

WINDOW SCHEDULE 01									
WINDOW LETTER	TYPE	SIZE	FRAME	GLASS	REMARKS				
A	1	12'6" x 6'0"	ALUM.	1/2" CLEAR	SEE PLAN & ELEV				
B	2	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
C	3	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
D	4	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
E	5	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
F	6	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
G	7	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
H	8	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
I	9	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
J	10	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
K	11	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
L	12	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
M	13	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
N	14	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
O	15	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
P	16	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
Q	17	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
R	18	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
S	19	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
T	20	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
U	21	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
V	22	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
W	23	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
X	24	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
Y	25	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				
Z	26	12'6" x 6'0"	ALUM.	1/2" CLEAR	do				

WINDOW TYPES



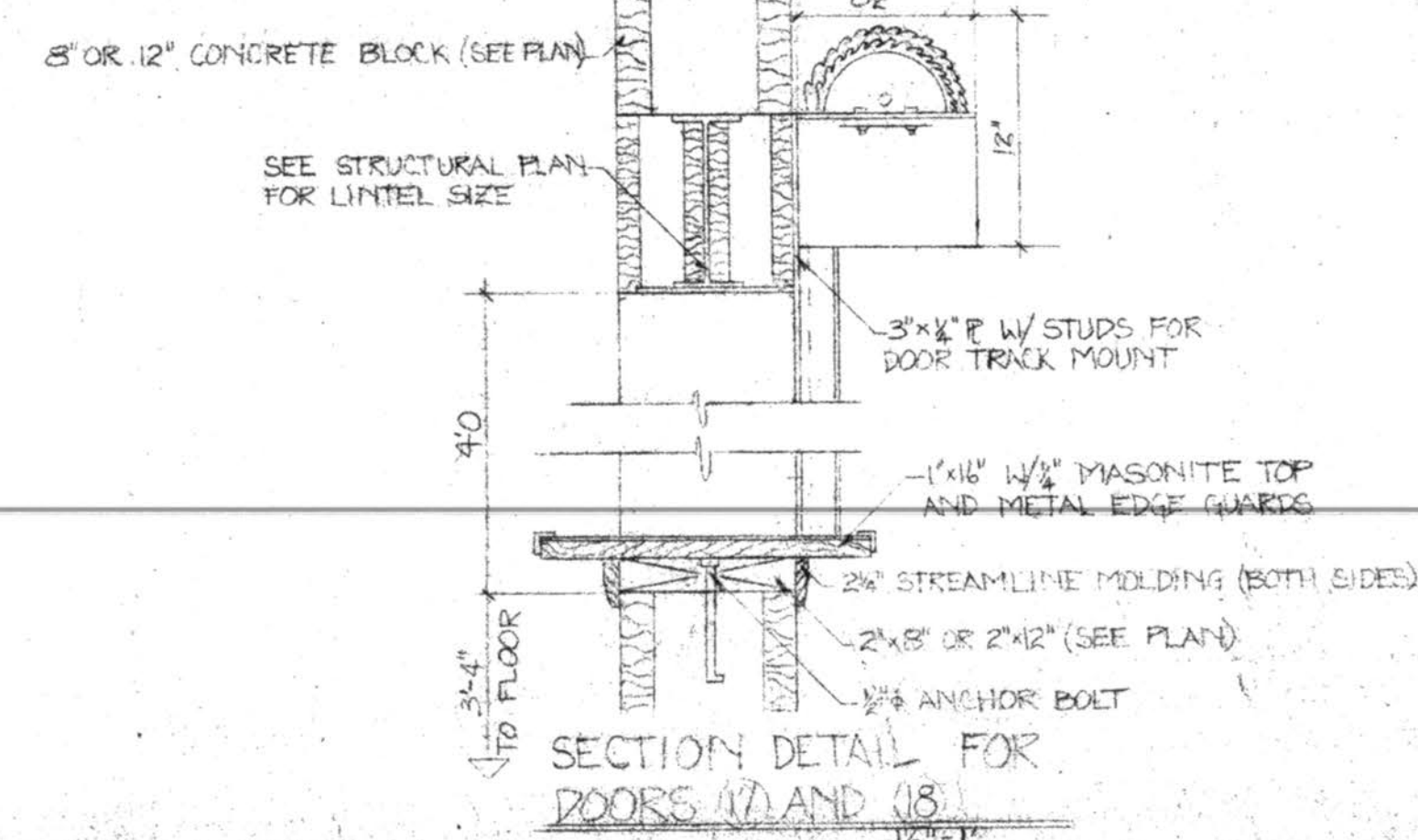
DOOR TYPES



DOOR SCHEDULE 01									
DOOR NO.	TYPE	SIZE	MATERIAL	FRAME	LABEL	THRESH	CLOSER	SWING	REMARKS
1	1	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	SEE NOTE 'A'
2	2	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
3	3	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
4	4	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
5	5	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
6	6	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
7	7	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
8	8	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
9	9	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
10	10	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
11	11	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
12	12	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
13	13	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
14	14	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
15	15	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
16	16	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
17	17	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
18	18	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
19	19	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
20	20	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
21	21	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
22	22	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
23	23	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
24	24	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
25	25	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
26	26	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
27	27	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
28	28	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
29	29	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
30	30	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
31	31	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
32	32	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
33	33	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
34	34	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
35	35	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
36	36	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
37	37	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
38	38	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
39	39	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
40	40	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
201	201	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
202	202	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
203	203	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
204	204	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
205	205	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
206	206	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
207	207	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do
208	208	3'0" x 8'0"	WOOD	WOOD	A	YES	NO	LHI	do

NOTES:

- A - DOOR FRAME TO BE MEDIUM BRONZE PULMONIC FINISH WITH 1/2" CLEAR TEMPERED PLATE GLASS, SUPPLIED BY SPIRE TRANT CONTRACTORS.
- HOLLOW METAL DOORS ARE TO BE 1 3/4" THICK W/ 20 GA. FACE SHEETS AND 16 GA. FRAMES.
- FIELD VERIFY ALL DOOR OPENINGS BEFORE FABRICATION.



CONTRACTOR

diestelkamp const

ST LOUIS MO 63127

314 843 5564

ARCHITECTURAL ENGINEER

d.e. schultz & assoc

BRENTWOOD MO 63144

314 962 2484

REVISIONS

1- 6-15-77

2- 6-22-77

11- 5-15-78

art haack gmc, inc

st louis co, mo

PROJECT NO

7710

DATE

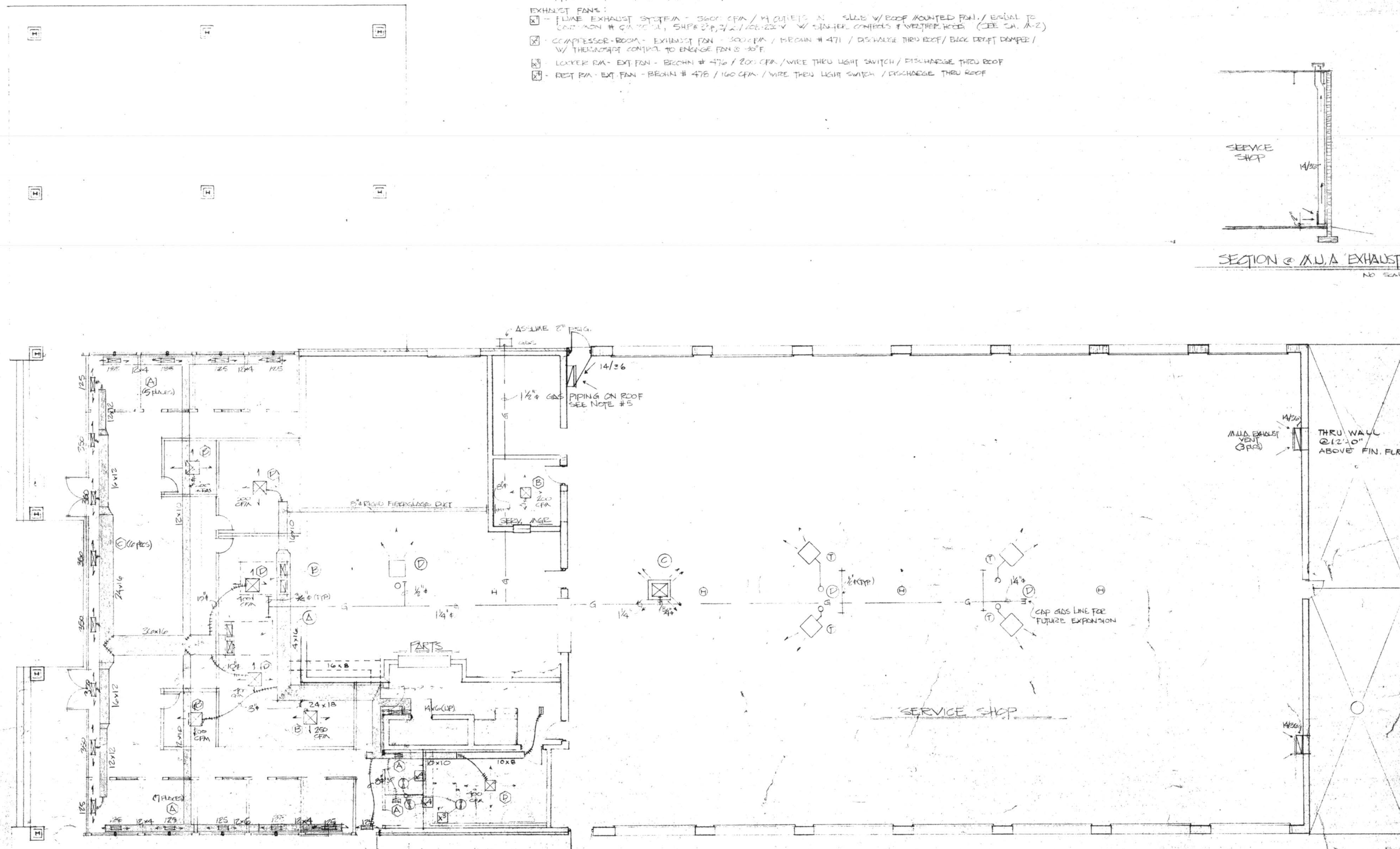
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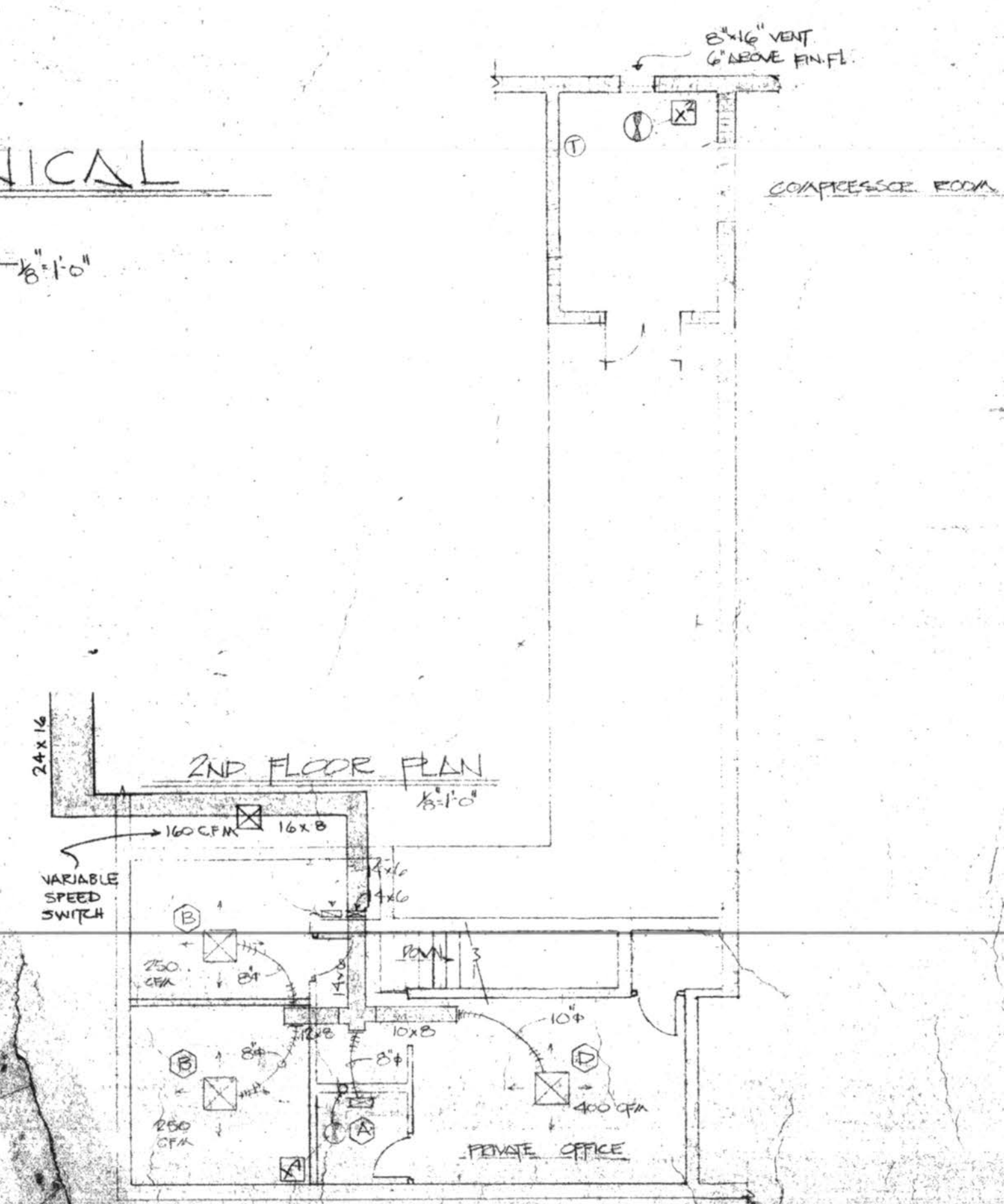
A9

MECHANICAL EQUIPMENT LIST

- A - ROOF TOP UNIT (1) / 10 TON (NOM) ELECT. COOLING / 225,000 BTUH (NAT) GAS HEATING & CONTROLS / PLUMBING AND CUBES W/ 25% DIS. ARE (ADD) / 340V/208-250V W/ 2 HP BLOWER MOTOR & STRUCTURE / EQUAL TO "SINGLE" MODEL R-1000 (2 STAGE COOL) 4,000 CTA
 - B - R.T.U. (1) / SAME AS (A) EXCEPT 1 STAGE (NOM) * 225,000 BTUH (NAT) GAS INLET / EQ TO "SINGLE" R-1000 1/2 HP BLOWER MOTOR, 2,500 CTA
 - C - SERVICE SHOP - R.T.U. (1) / MAKE UP AIR / COMBUSTIBLE #255A, 400,000 BTUH, 6,000 CTA 340V/208-250V BLOWER MOTOR W/ 2 HP DISCHARGE, & FLAME CONTROL SYSTEM (CR-514) W/ CUBES
 - D - SERVICE SHOP & PARTS AREA - UNIT HEATERS (2) / EQ TO 300,000 BTUH 208-250V GAS FIRED UNIT HEATERS & 340V W/ VENT & VENTILATION LUNGS / 225,000 BTUH INPUT EACH / BEECH TO METEORITE-TITE "E" FLOOR TO ROOF / SEE DETAIL.
- EXHAUST FANS:
- E - FLOOR EXHAUST SYSTEM - 3600 CFM / 1/2 CURTAIN IN WALL W/ ROOF MOUNTED FAN / EQUAL TO 1000 CFM # 14/36, 54PR 21/2/100-22V W/ 2 HP MOTOR & WEATHER HOOD (SEE SA. A-2)
 - F - COMPRESSOR ROOM - EXHAUST FAN - 3000 CFM / BECHAM # 471 / DISCHARGE THRU ROOF / BLACK DRIFT DUMPER / W/ THERMOSTAT CONTROL TO ENGAGE FAN'S ROOF
 - G - LOWER BAY - EXT. FAN - BECHAM # 476 / 200 CFM / WIRE THRU LIGHT SWITCH / DISCHARGE THRU ROOF
 - H - REST RM - EXT. FAN - BECHAM # 476 / 160 CFM / WIRE THRU LIGHT SWITCH / DISCHARGE THRU ROOF



MECHANICAL PLAN

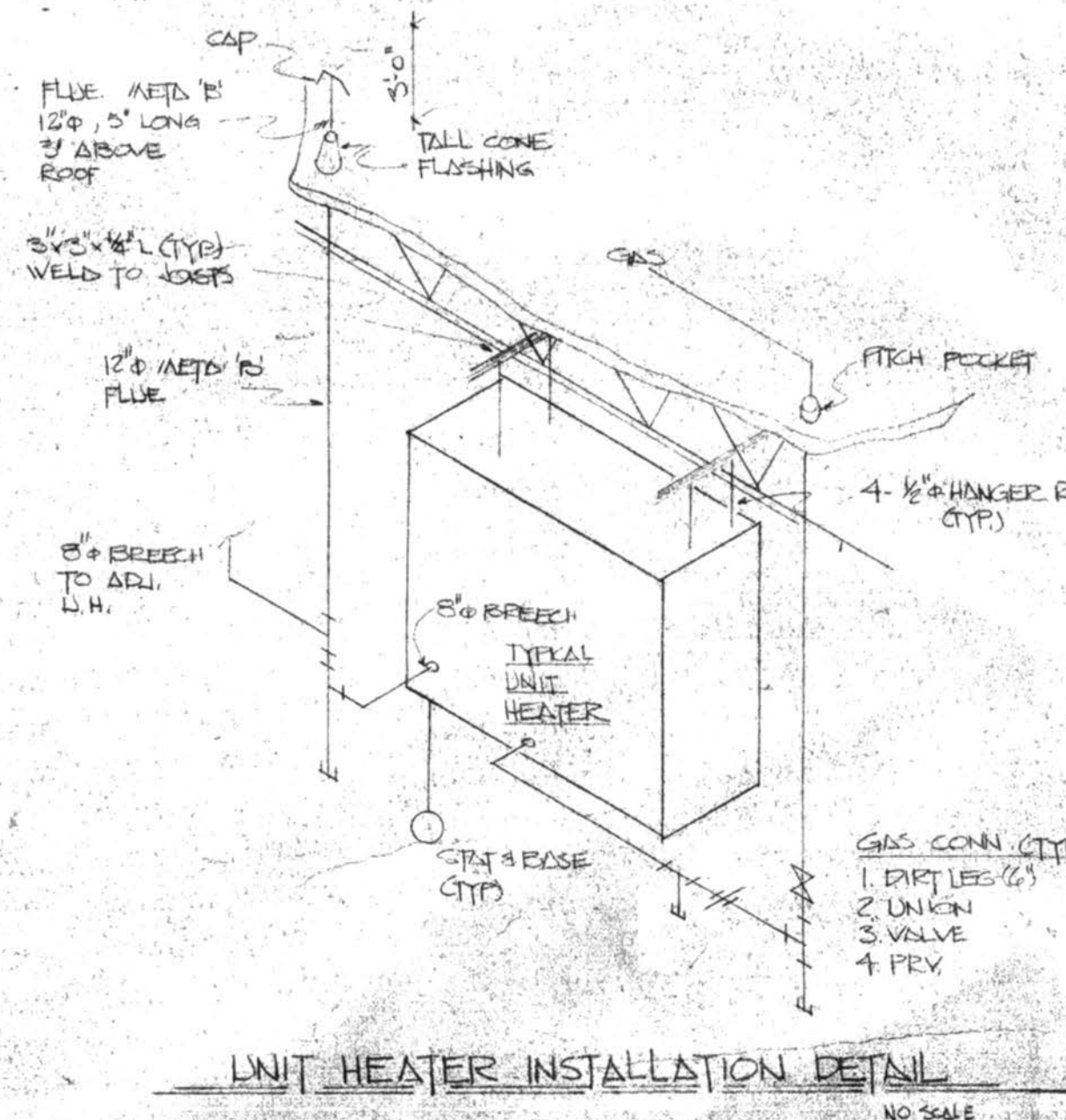
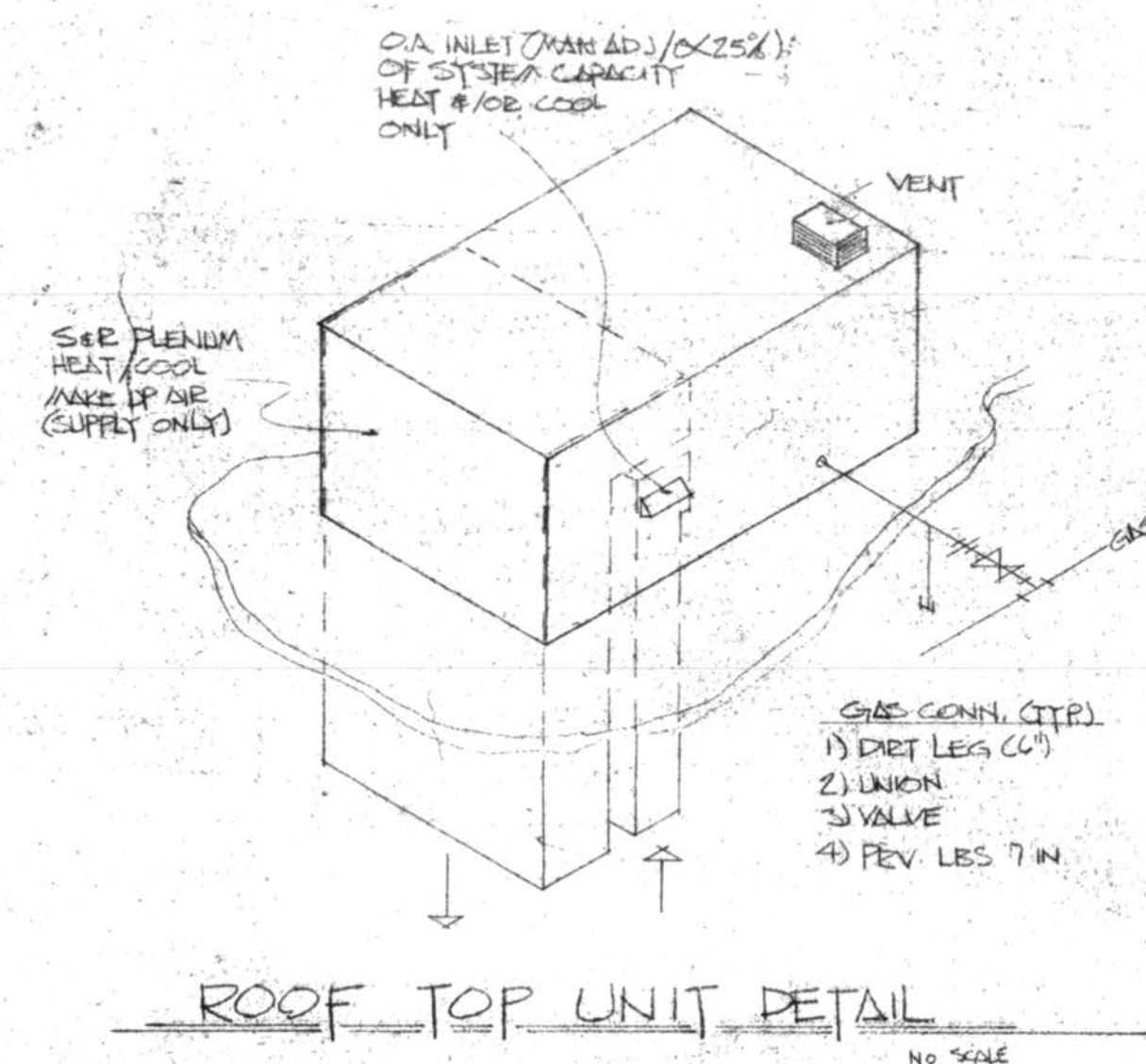
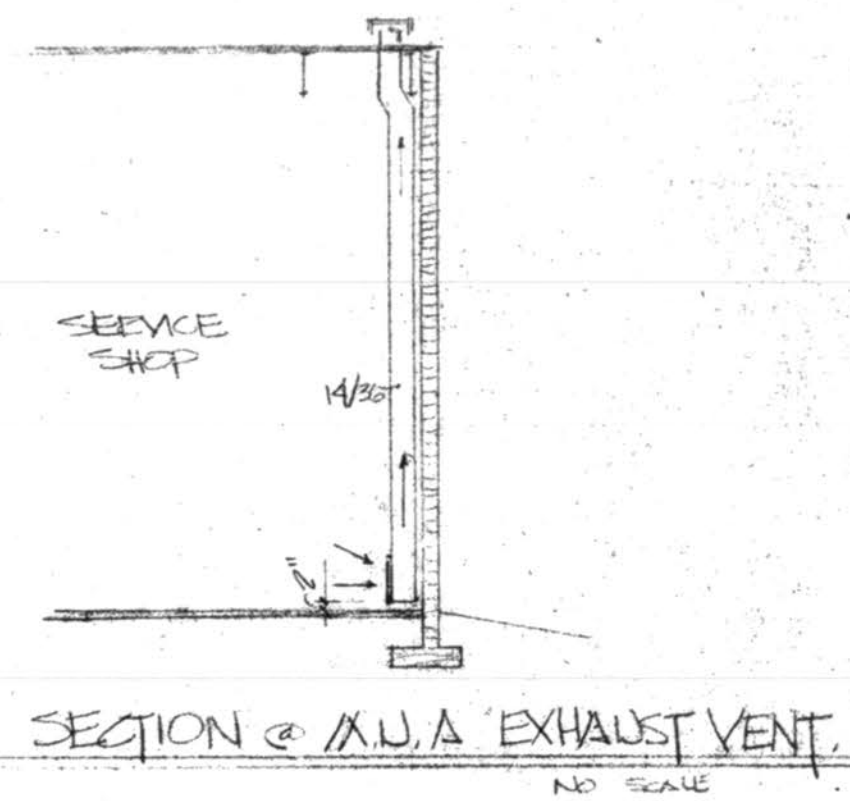


GENERAL MECHANICAL NOTES:

- HVAC SYSTEM INSTALLATION TO BE IN ACCORDANCE W/ LOCAL CODES, INSURANCE REQUIREMENTS, S.A.N.C.A. & A.C.A.R.A.E. U.P.T. STANDARDS & ARCHIT. PLANS.
- ELECTRICAL - HEATING & COOLING - SIZED FOR LOW VELOCITY OPERATION & ALLOWING FOR 1/2" FIBERGLASS LINING IN DUCTS. S.A. L.A.C. TO WITHIN 5' BELOW ROOF PENETRATION, & 1" FIBERGLASS INTERNAL LINING TO REM. EQUIPMENT. ALL R.T.U.'S TO HAVE FLEXIBLE DIET CONNECTORS BELOW ROOF LINE. JUST SIZES SHOWN ALLOW FOR IN VARIATIONS.
- ONE DEVICES EQUAL TO HEAT & COOL & SIZED AS SHOWN ON PLANS. EACH SUPPLY DEVICE TO HAVE ADJ. VOLUME CONTROL.
- WHERE HEAT DUCTWORK ONLY - NO INSULATION IS REQ'D.
- GAS PIPING - 3/4" & STD. (BLACK) W/ MALL FITTINGS. PIPE MAINS ON ROOF TO BE SUPPORTED BY 4"x4" WOOD BRIDGES 10' ON C.C. MAX. CONNECT PIPES TO EQUIPMENT AS DETAILLED.
- ALL GAS PIPES TO BE 1/2" MIN. 18" FROM COMBUSTIBLES.
- ALL HVAC NOTES ARE TO BE COORDINATED WITH ARCHITECTURAL, PLUMBING, ELECT., ETC. NOTES.
- POWER, ELECTRIC, & CONTROLS & RECONNECTS BY ELECTRICAL CONTRACTOR. HVAC CONTRACTOR WILL PROVIDE HVAC CONTROLS & WIRING DIAGRAMS AS REQ'D.
- PIPEWORK & AUTOMATIC EQUIP. SPECIALTY FITTINGS, VALVES, & RANGES TO BE FURNISHED BY SUPPLIERS. HVAC CONTRACTOR WILL PROVIDE REPAIRS, LABORS FOR UNION ASSET, SETTING & CONNECTION TO AIR LINES OR PROCESS PIPING AS DETAILLED ON PLANS.
- LIFTS AND WHEEL ALIGNMENT EQUIPMENT ARE EXCEPTED & INSTALLED BY OTHERS.
- STRUCTURAL OPENINGS, CLOSURES, PATCHING, FINISHING, EXCAVATION, BACKFILL, SUPPORTS, CURBS, & ROOFING TO BE BY OTHER CONTRACTOR.
- EXTRA WORK REQ'D MUST BE AUTHORIZED IN WRITING & VERIFIED BY GENERAL CONTRACTOR & OWNER AFTER ARCHIT. ENGINEER'S APPROVAL.
- WARRANTY - UPON COMPLETION OF INSTALLATION, MECHANICAL CONTRACTOR WILL SET UP & BALANCE ENTIRE SYSTEM & LEAVE READY FOR AUTOMATIC OPERATION. PROVIDE (3) YEARS OF MAINTENANCE SERVICE (2) YEARS OF PARTS & LABOR. ONE (1) YEAR MATERIAL & LABOR WARRANTY FOR ONE (1) YEAR AFTER DATE OF START UP & FIVE (5) ADDITIONAL YEARS AFTER COMPRESSOR WARRANTY.

REGISTER SCHEDULE

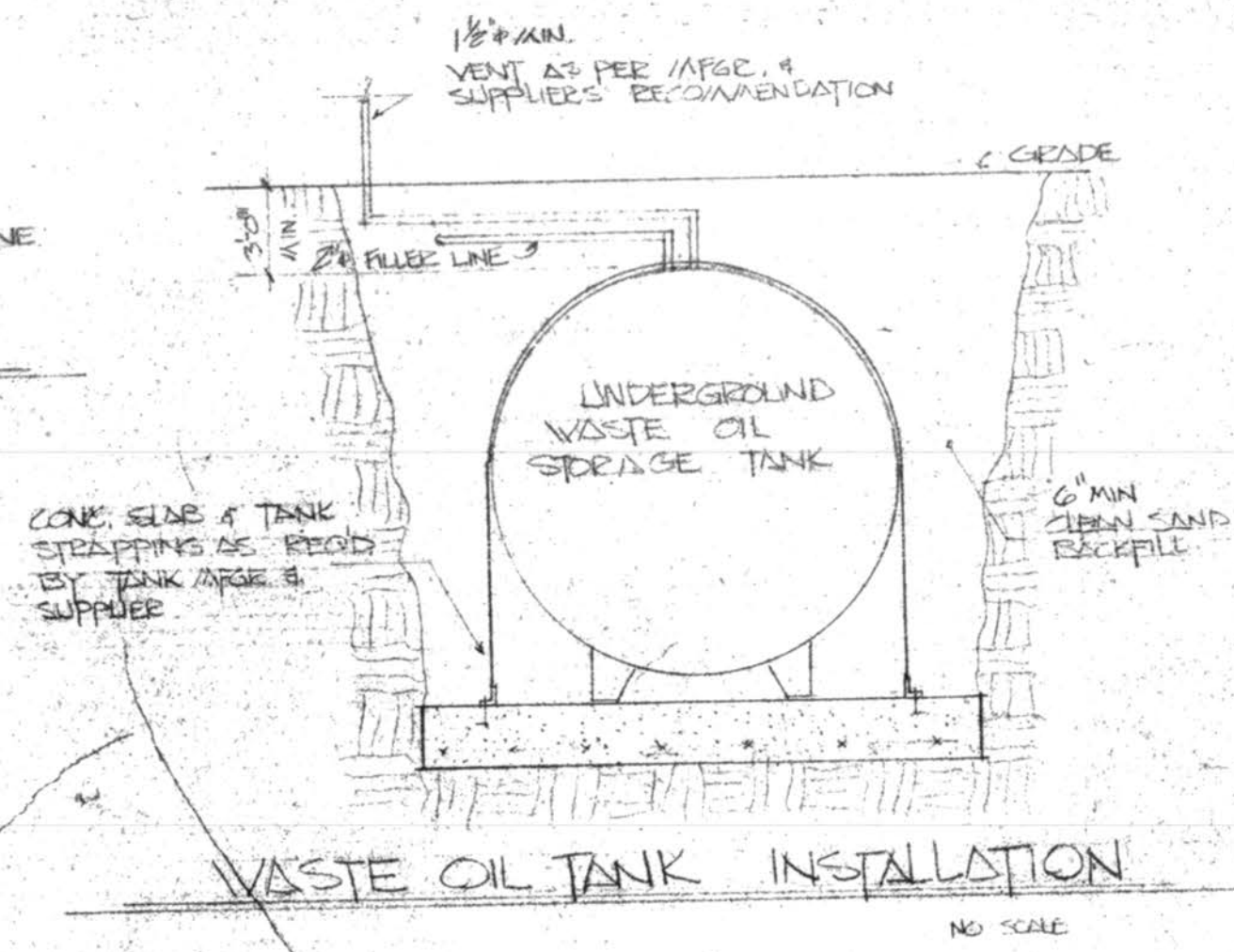
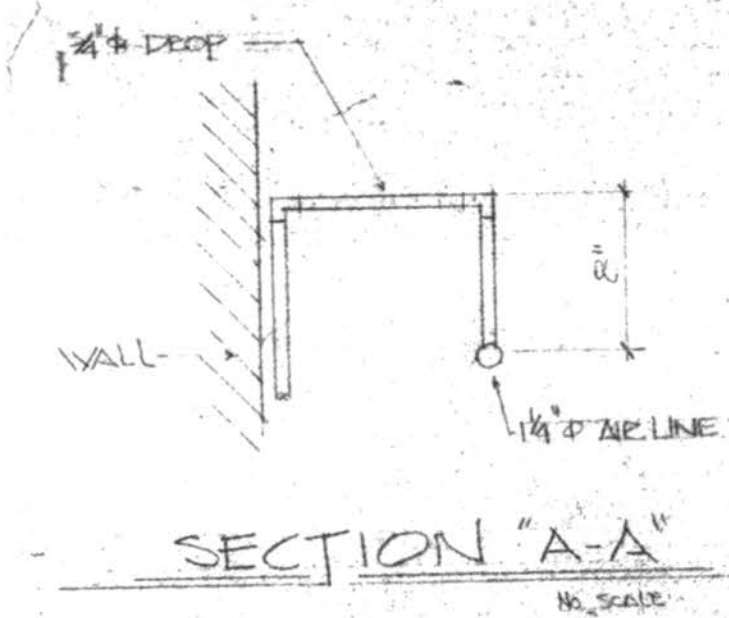
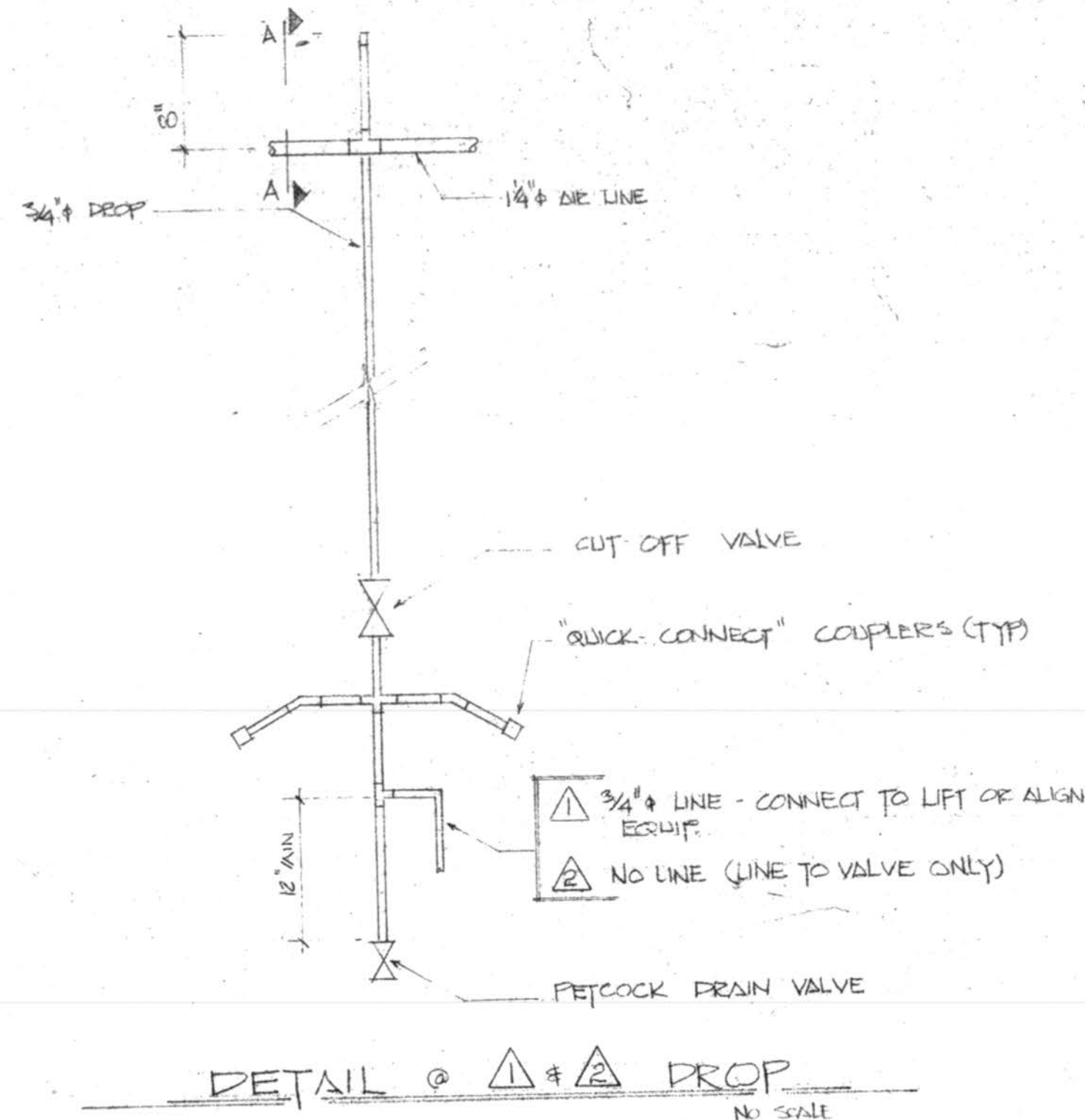
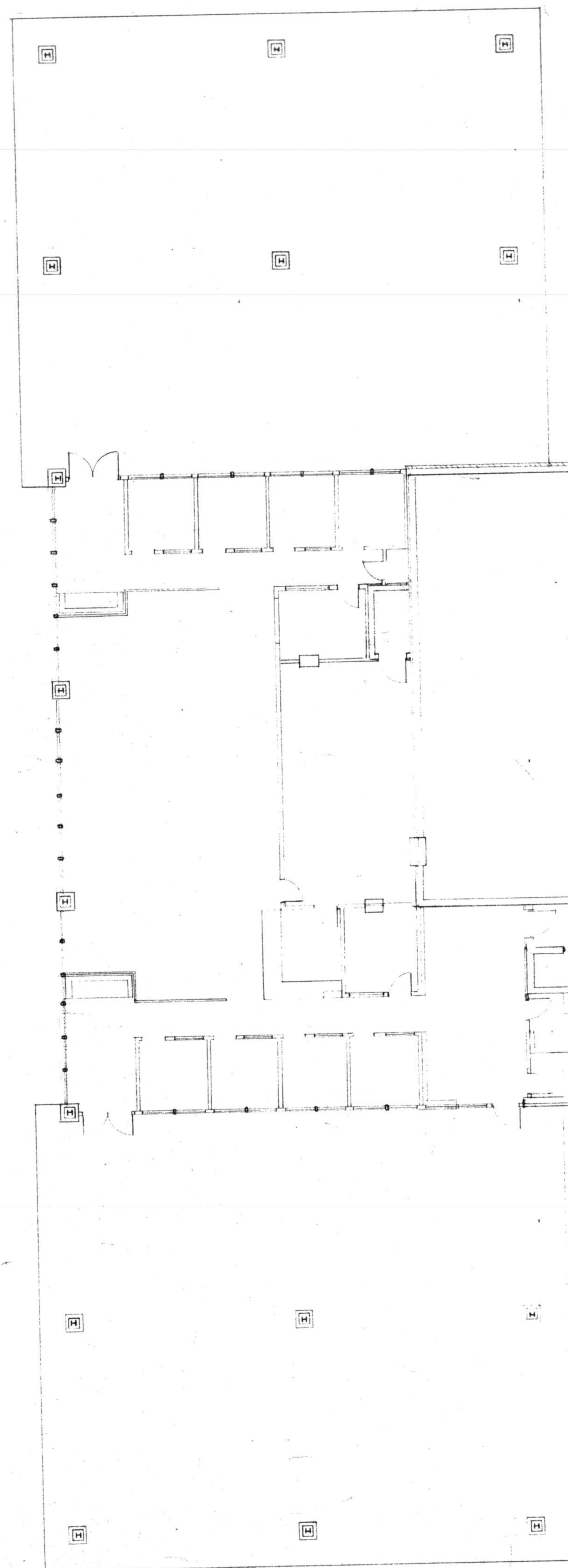
ITEM	TYPE	SIZE	CFM
1	SW	10x4	20-125
2	CD	8x8	125-250
3	SW	16x6	300-500
4	CD	12x12	300-500



CONTRACTOR
diestelkamp const
ST LOUIS, MO 63127
314 323 5804

ARCHITECTURAL ENGINEER
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BENTWOOD, MO 63144
314 962 2485

REVISIONS
1. 10/15/77
2. 10/15/77
3. 10/15/77
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- NOTES:**
1. REFER TO INSTALLATION & OPERATION MANUAL FOR LIFT INSTALLATION, LOCATION, & PROCEDURES.
 2. AIR PIPING SHALL BE SCH 40 (GALV) W/ MFL FITTINGS.
 3. COFFER PIPING SHALL BE TYPE L USED W/ LE VENT FITTINGS & "SILHCO" SOLDER. COLLECTOR FITTINGS SHALL BE USED & TURN OUT FROM STEEL PIPE.
 4. ALL LIFTS TO BE SET IN PLACE & TESTED PER STANDARD REQUIREMENTS PRIOR TO BEING FULLY OPERATIONAL.
 5. BACKFILL AROUND LIFTS & UNDERGROUND PIPING W/ CLEAN, DRY SAND.
 6. SLOPE 1/4" AIR LINES & 1/2" PIPE TOWARD AIR COMPRESSORS OR PROVIDE SHUT-OFF VALVE & DRAIN PETCOCK OR DRAIN LOW POINT IN LINE.
 7. PROVIDE AIR LINES TO VEHICLE ALIGNMENT EQUIPMENT (AS REQ'D).
 8. PROVIDE DRAIN VALVE FOR COMPRESSOR DRAIN LINE IN SERVICE SHOP OR 10' OFF IN FL.
 9. EQUIPMENT SELECTED FOR SPECIFICATION IS TENTATIVE & FINAL SELECTION IS CONTINGENT UPON OWNER'S APPROVAL.

LIFT/AIR LINE PLAN

LIFT/AIR LINE EQUIP SCHEDULE

1. 12,000 LB. TRUCK LIFT - DOUBLE POST LIFT (3 REQ'D) (SEE NOTE #1)
2. 24,000 LB. TRUCK LIFT - DOUBLE POST LIFT (SEE NOTE #1) (1 REQ'D)
3. 12,000 LB. SINGLE POST LIFT (SEE NOTE #1) (1 REQ'D)
4. AIR COMPRESSOR - EAGLE MODEL # 110B-120 10 H.P. - 2 STAGE, 120 GAL CAP. (2 REQ'D)
5. AIR LINE FILTER - EAGLE # FT14-AD - AUTOMATIC DRAIN (2 REQ'D)
6. OVERHEAD LUBRICATION REELS: (ALL BALCRANK)
 - CHASSIS LUBE - MODEL # 2791-50 (1 REQ'D)
 - MOTOR OIL - MODEL # 2793-50 (1 REQ'D)
 - WATER - MODEL # 2796-50 (4 REQ'D)
 - AIR - MODEL # 2795-50 (1 REQ'D)
 - A.T.F. - MODEL # 2794-50 (1 REQ'D)
 - END PANELS - MODEL # 43317 (4 PAIRS)
 - ROUTING BRACKETS - MODEL # 43321 (3 REQ'D)
 - MODEL # 43325 (1 REQ'D)
7. PUMPS: (ALL BALCRANK)
 - CHASSIS LUBE - MODEL # 1065 (1 REQ'D)
 - MOTOR OIL - MODEL # 1069 (1 REQ'D)
 - A.T.F. - MODEL # 10895 (1 REQ'D)
8. ALIGNMENT EQUIP. - HUNTER PIT BACK GROUP 'PE' W/ GROUP L&D INSTALLATION

CONTRACTOR

diestelkamp const

ST LOUIS, MO 63144

314.943.5504

ARCHITECTURAL ENGINEER

d.e. schultz & assoc

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314.962.2484

PROJECT NO

7710

DATE

6-13-77

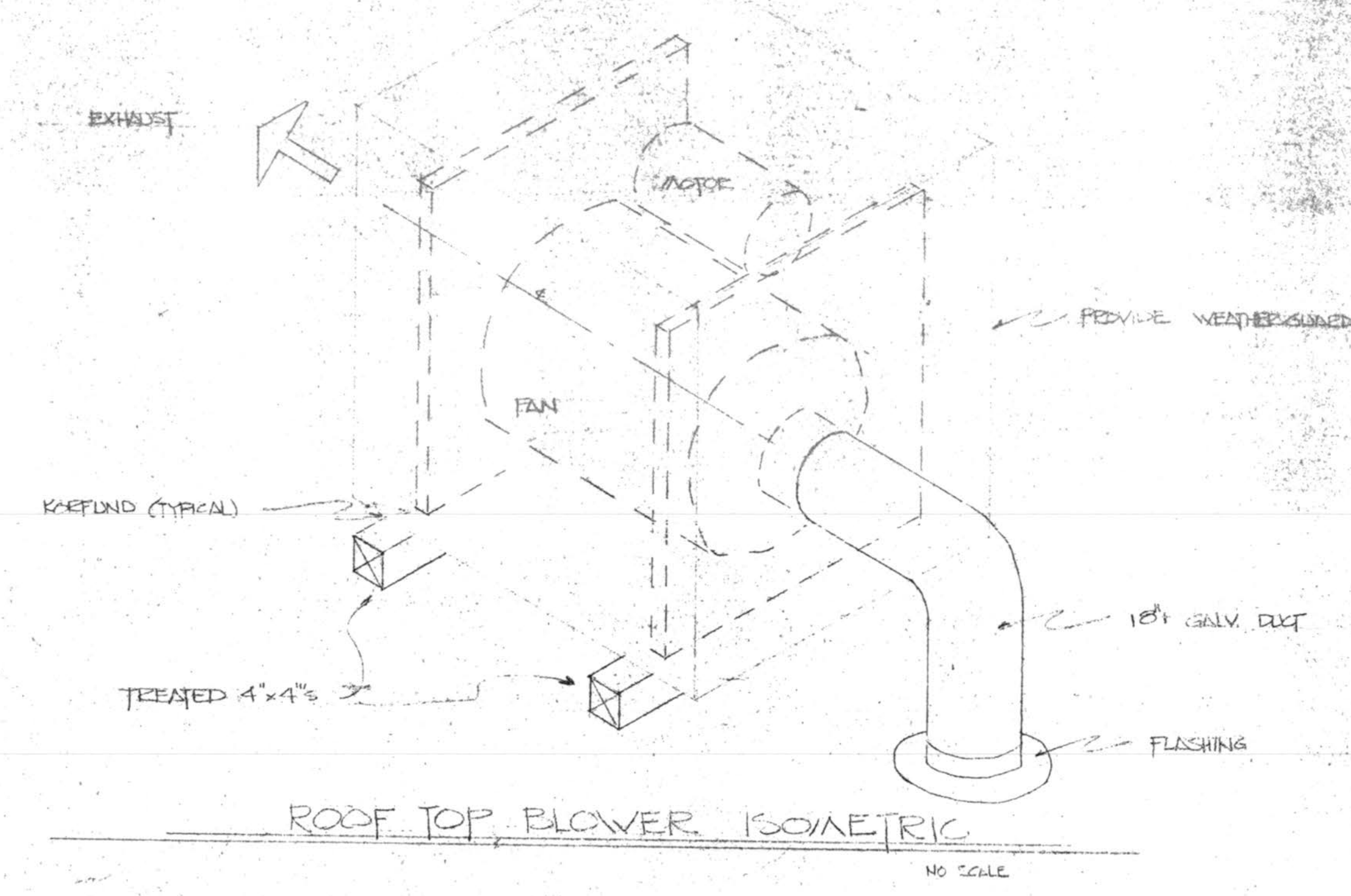
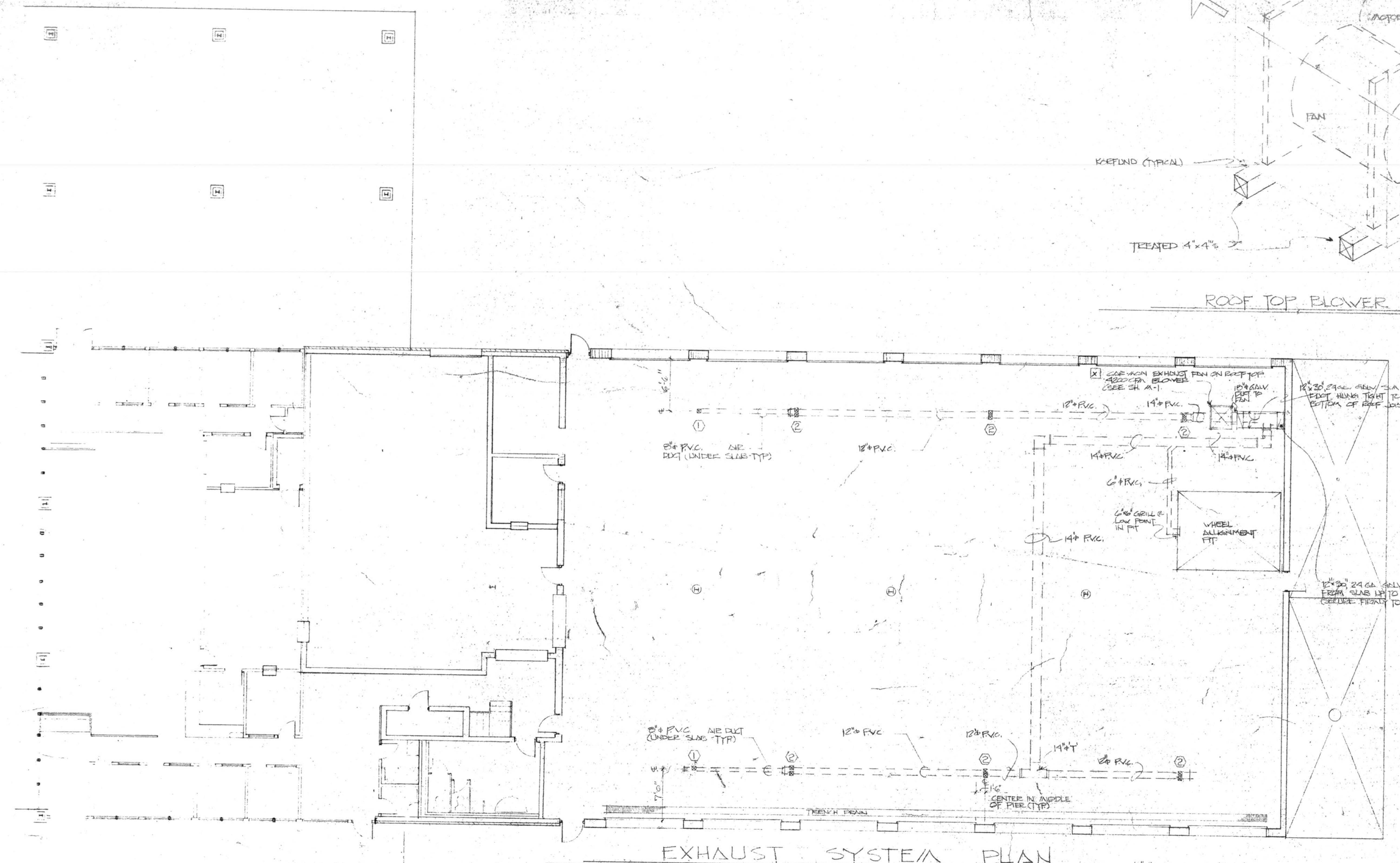
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SEAL OF MISSOURI ENGINEERING BOARD

REGISTERED PROFESSIONAL ENGINEER

NUMBER 1212

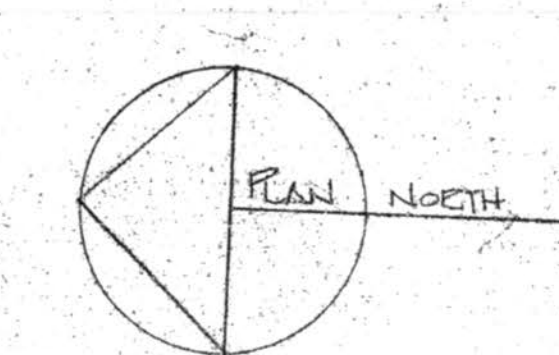
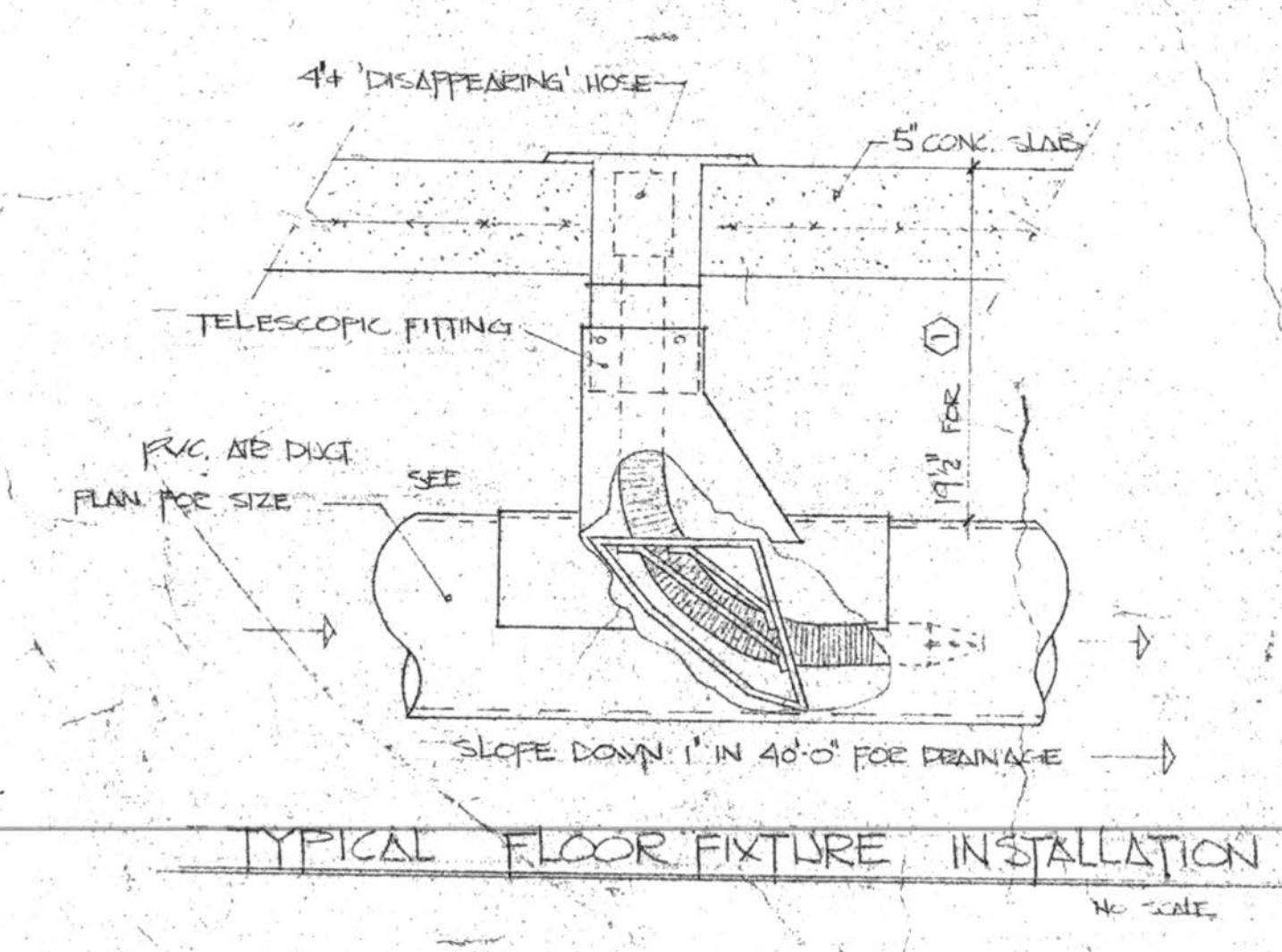


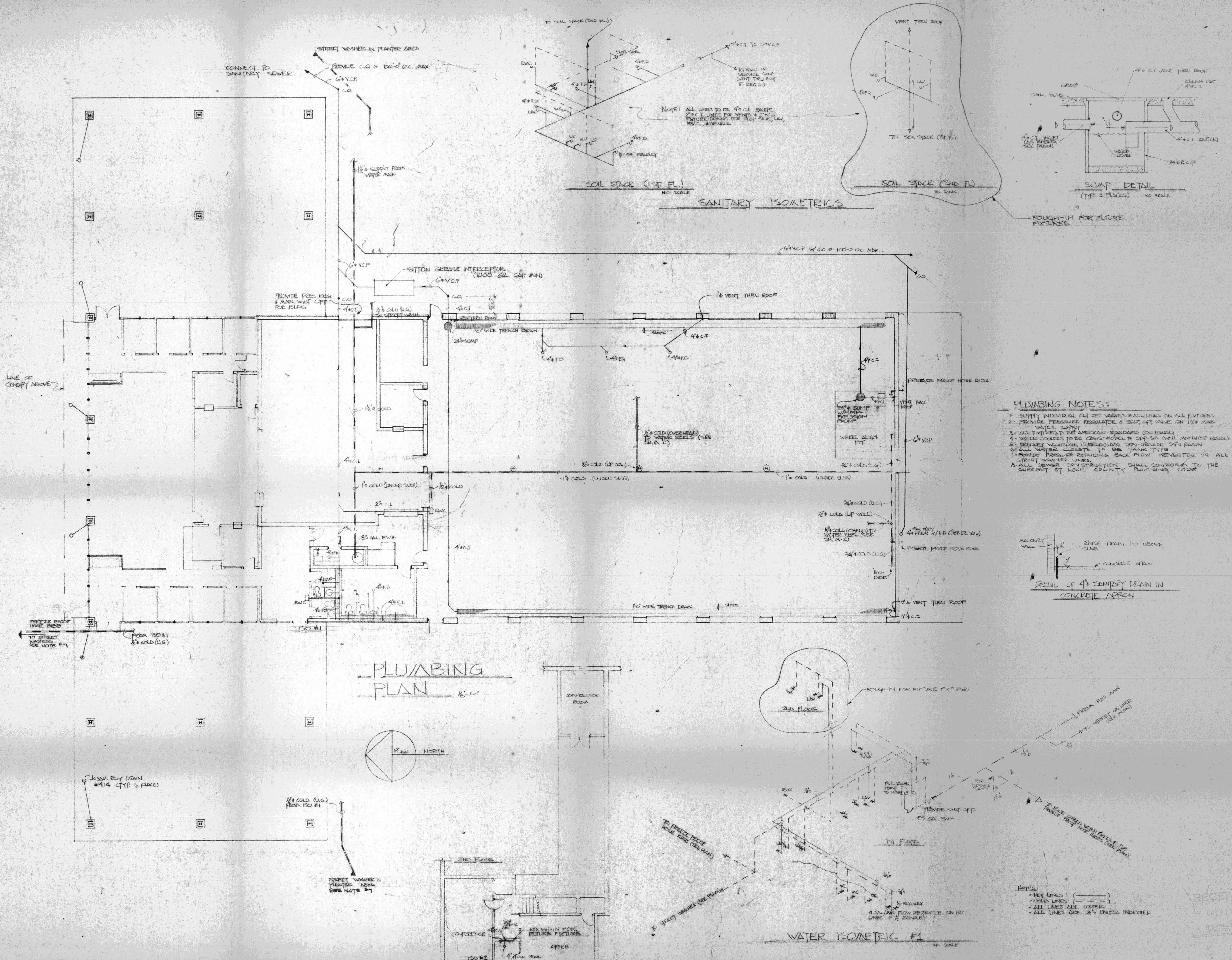
NOTE:

- 1- ALL ELECTRICAL WIRING SHALL BE IN ACCORDANCE WITH 1975 NATIONAL ELECT CODE & ST. LOUIS CO. ELECT CODE.
- 2- EXHAUST EQUIP. SELECTED IS TENTATIVE & FINAL SELECTION IS CONTINGENT UPON OWNER'S APPROVAL.
- 3- REMOVE PUMP IN LOW POINT OF SYSTEM W/ DRAIN WELL AREA.

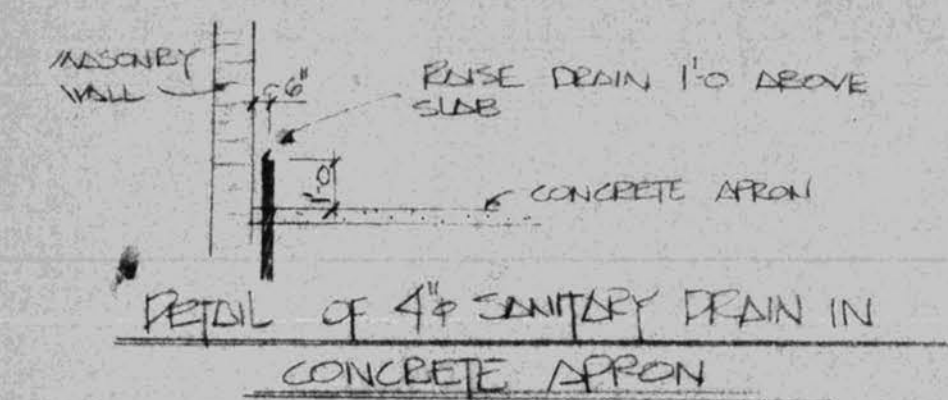
EXHAUST SYSTEM FLOOR FIXTURES

- ① - CAR/MON. MODEL # 64 TR W/ 4\"/>





- PLUMBING NOTES:**
- 1. SUPPLY INDIVIDUAL CUT OFF VALVES ON ALL LINES ON ALL FIXTURES
 - 2. PROVIDE PRESSURE REGULATOR & SHUT OFF VALVE ON 1/2" MAIN WATER SUPPLY
 - 3. ALL FIXTURES TO BE AMERICAN STANDARD (OR EQUAL)
 - 4. WATER COOLERS TO BE CORUS MODEL # COP-5/A (WILL ANTICIPATE EQUAL)
 - 5. REFRIG. CONDENSING UNIT TO BE REFRIG. CONDENSING UNIT (SEE PLAN)
 - 6. ALL WATER CLOSURE TO BE TANK TYPE
 - 7. PROVIDE PRESSURE REDUCING BACKFLOW PREVENTER ON ALL STREET WASHES LINES
 - 8. ALL SEWER CONSTRUCTION SHALL CONFORM TO THE CURRENT ST. LOUIS COUNTY PLUMBING CODE



- NOTES:**
- HOT LINES: (---)
 - COLD LINES: (---)
 - ALL LINES ARE COPPER
 - ALL LINES ARE 1/2" UNLESS INDICATED

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BRENTWOOD MO 63144
314 982 2494

REVISIONS
1. 6/15/77
2. 8/2/77
3. 8/8/77
4. 10/10/77

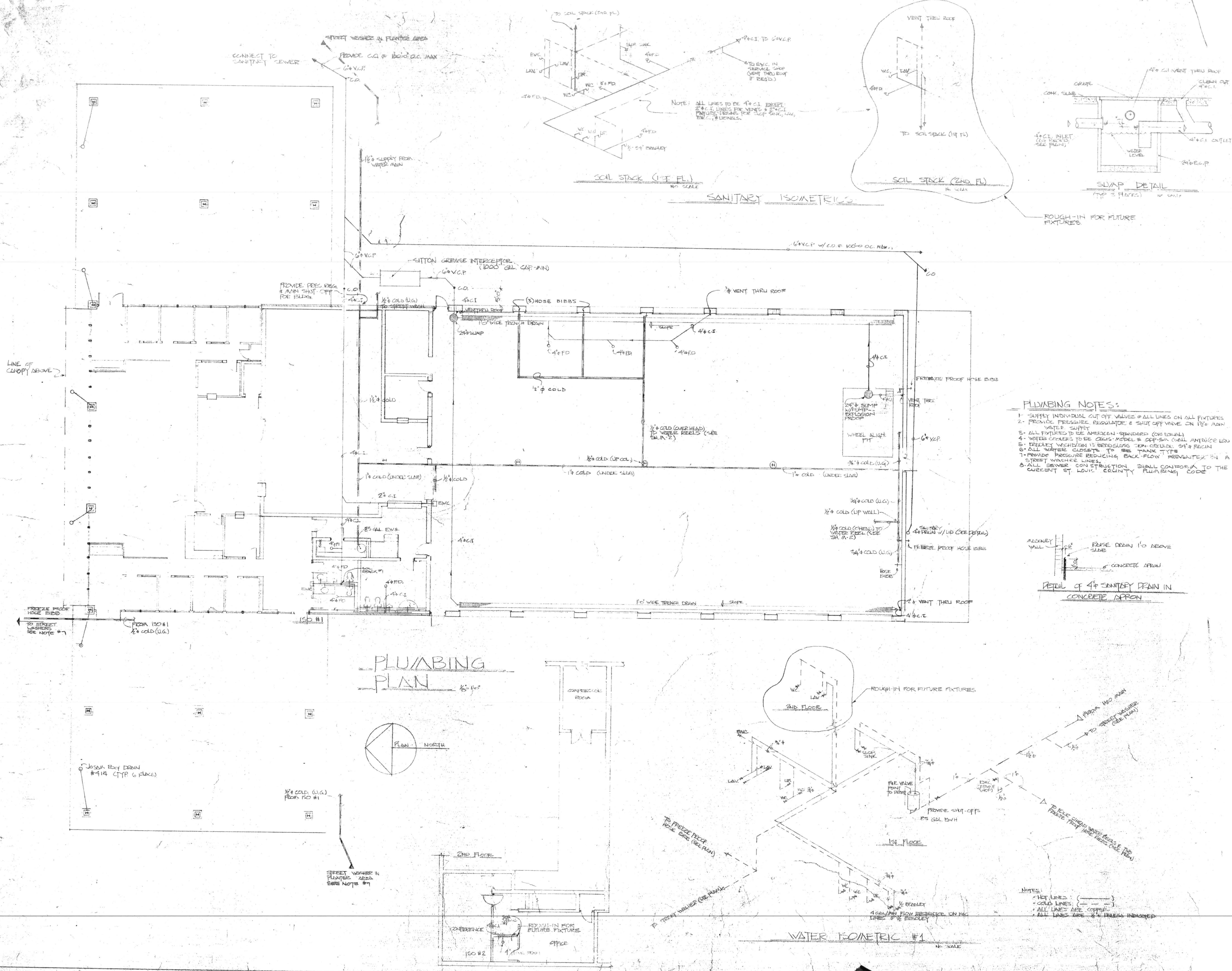
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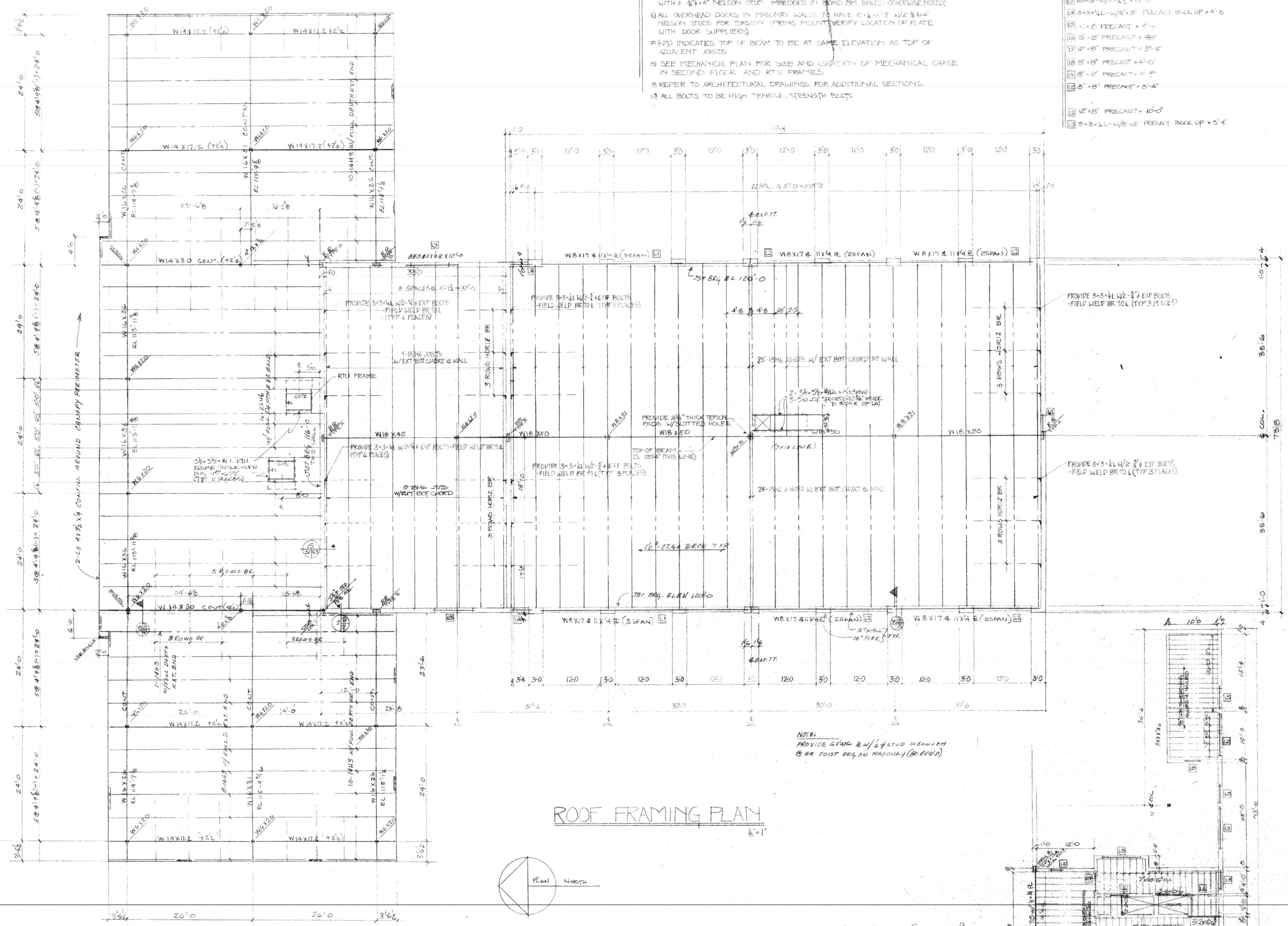
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DIESTELKAMP
SCHULTZ
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STRUCTURAL NOTES

- 1) ALL JOISTS SHALL BE FABRICATED AND ERECTED PER CURRENT B.J.I. SPECIFICATIONS
- 2) ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED PER CURRENT AISC SPECIFICATIONS
- 3) ALL ROOF OPENINGS LARGER THAN 12" X 12" TO HAVE 3" X 3" L FRAME
- 4) ALL BOND BEAMS SHALL HAVE 2" X 4" REBARS CONTINUOUS AND SHALL BE FILLED WITH 3000# CONCRETE OR MORTAR
- 5) ALL ROOF JOISTS THAT BEAR ON MASONRY WALLS SHALL 6" X 6" BEARING P WITH A 3/4" X 4" NELSON STUD IMBEDDED IN BOND BM. (UNLESS OTHERWISE NOTED)
- 6) ALL OVERHEAD DOORS IN MASONRY WALLS TO HAVE 10" X 6" W/2" X 4" NELSON STUDS FOR TORSION SPRING MOUNT. VERIFY LOCATION OF PLATE WITH DOOR SUPPLIERS
- 7) (2x) INDICATES TOP OF BEAM TO BE AT SAME ELEVATION AS TOP OF ADJACENT JOISTS
- 8) SEE MECHANICAL PLAN FOR SIZE AND LOCATION OF MECHANICAL CHASE IN SECOND FLOOR AND RTU FRAMES
- 9) REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL SECTIONS
- 10) ALL BOLTS TO BE HIGH TENSILE, STRENGTH BOLTS

LINTEL SCHEDULE

- | | |
|----|--|
| 1 | W8X17-W/11X4R (3SPAN) |
| 2 | W8X17-W/11X4R (2SPAN) |
| 3 | W8X17-W/11X4R (1SPAN) |
| 4 | 3" X 3" L-W/8" X 8" PRECAST BACKUP X 4'-8" |
| 5 | 12" X 8" PRECAST X 4'-0" |
| 6 | 12" X 8" PRECAST X 4'-0" |
| 7 | 12" X 8" PRECAST X 4'-0" |
| 8 | 12" X 8" PRECAST X 4'-0" |
| 9 | 12" X 8" PRECAST X 4'-0" |
| 10 | 12" X 8" PRECAST X 4'-0" |
| 11 | 12" X 8" PRECAST X 4'-0" |
| 12 | 12" X 8" PRECAST X 4'-0" |
| 13 | 3" X 3" L-W/8" X 8" PRECAST BACKUP X 5'-4" |

ROOF FRAMING PLAN

2ND FLOOR FRAMING PLAN

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REVISIONS

1	6-15-77
2	6-22-77
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4	7-6-77
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9	8-10-77
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12	8-31-77

PROJECT NO

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DATE

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art haack gmc, inc

st louis co, mo

