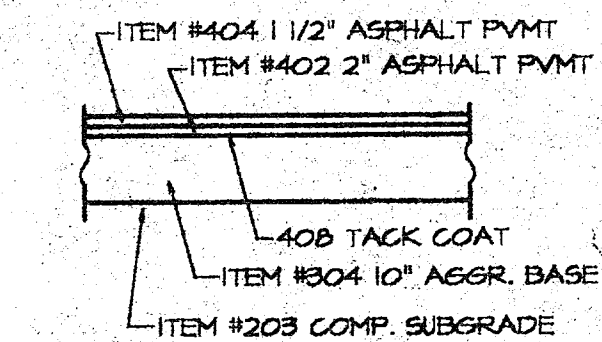
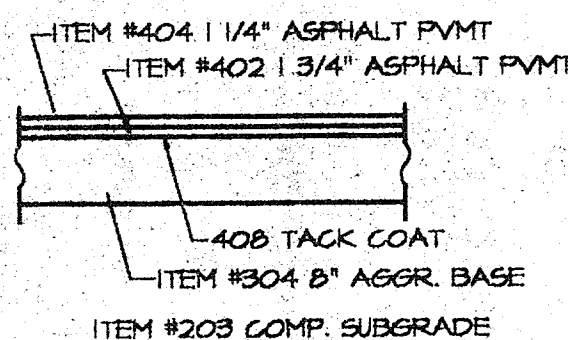
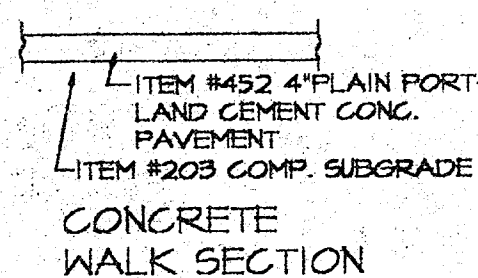




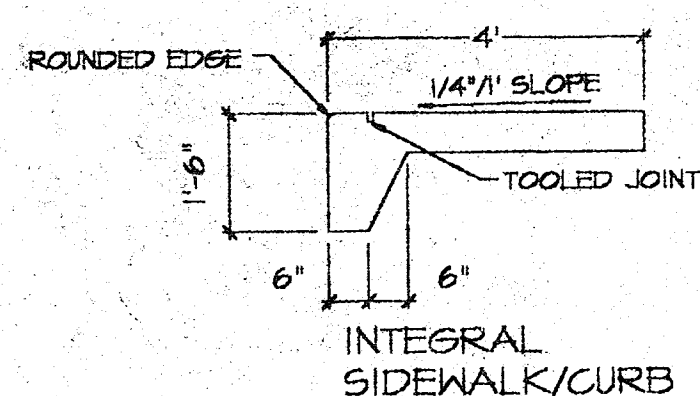
HEAVY DUTY
PAVEMENT SECTION



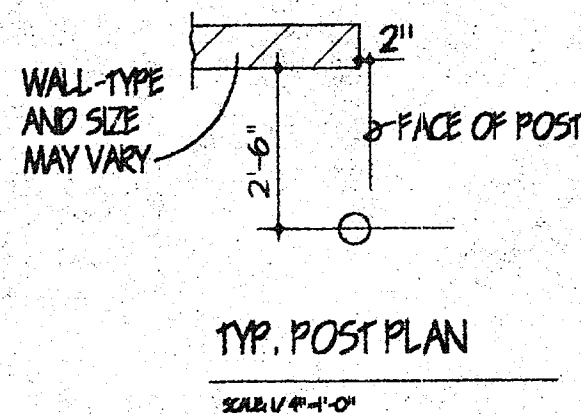
LIGHT DUTY
PAVEMENT SECTION



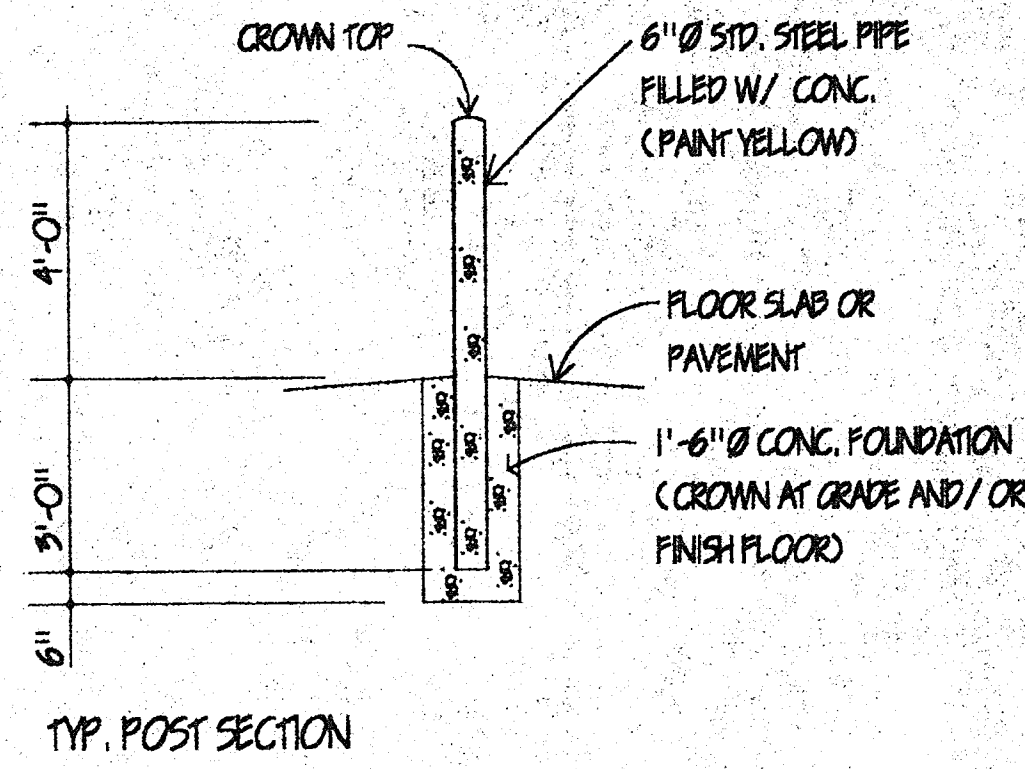
CONCRETE
WALK SECTION



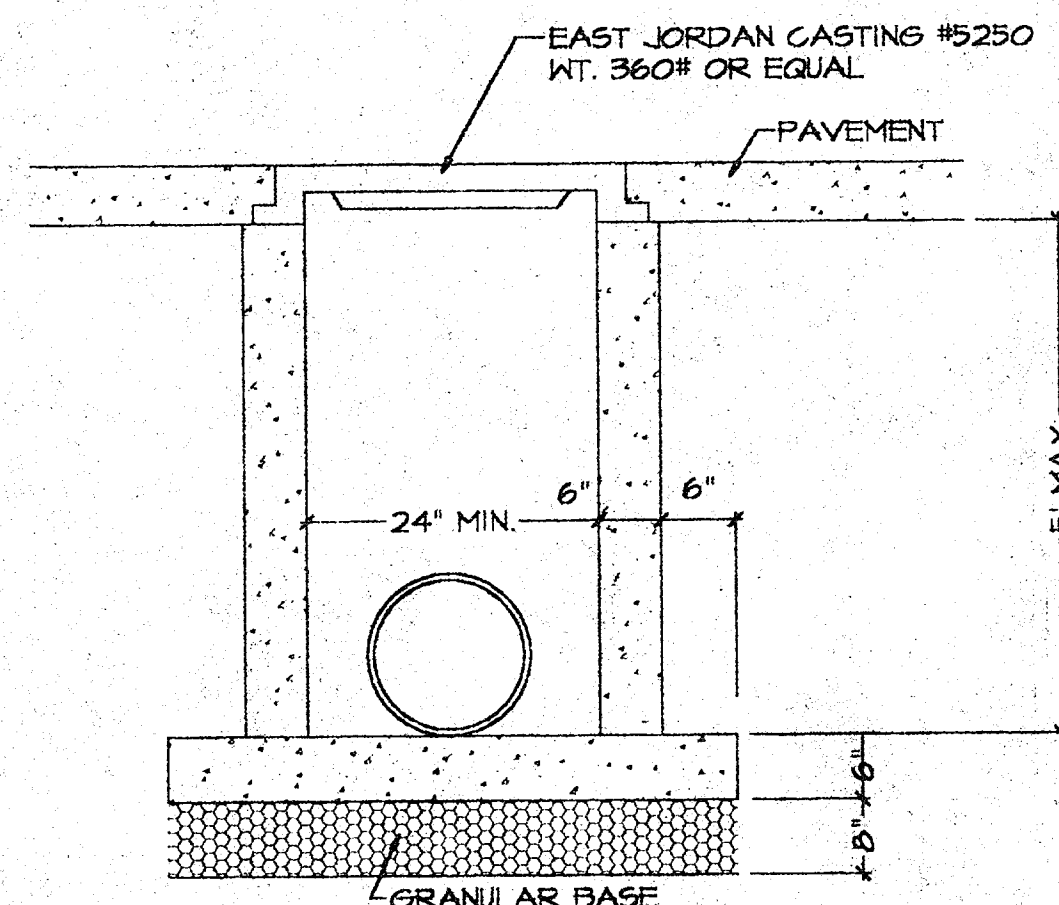
INTEGRAL
SIDEWALK/CURB



TYP. POST PLAN



TYP. POST SECTION



SQ. PRECAST CONC.
CATCH BASIN

NO SCALE

1. IF OUTLET OF BASIN IS TO STORM SEWER, TAP AND SUMP ARE NOT REQ'D.
2. ALL PIPE OPENINGS SHALL BE CORED AT THE FACTORY. KNOCK OUT WALLS ARE PROHIBITED IN PUBLIC R/W
3. ALL PIPE CONNECTIONS TO PRECAST DRAINAGE STRUCTURES SHALL EITHER CONTAIN WATERPROOF BOOT, BE MORTARED IN PLACE, OR IN THE CASE OF PVC CONDUITS, FITTED WITH A WATER-STOP AND MORTARED IN PLACE.
4. PRECAST STRUCTURES SHALL CONFORM TO ASTM SPECIFICATIONS C-418 (MINIMUM 6" WALL THICKNESS)
5. FLANGE OF CASTING MUST CONFORM TO THE GEOMETRIC SHAPE OF THE PRECAST STRUCTURE AND BE BICYCLE SAFE.
6. STRUCTURES LOCATED ON PRIVATE PROPERTY MAY BE CONSTRUCTED FROM MASONRY BLOCK

SEWER STORM PIPE

1.0 GENERAL

- 1.1 THIS SPECIFICATION INCLUDES STORM SEWER PIPING FROM A POINT 5 FEET OUTSIDE THE BUILDING TO THE POINT OF DISPOSAL.
- 1.2 FOR PROTECTION OF UNDERGROUND UTILITIES, CALL OHIO UTILITIES PROTECTION PLAN SERVICE AT 1-800-362-2164 A MINIMUM OF 48 HOURS PRIOR TO EXCAVATING IN THE VICINITY OF UTILITY LINES.
- 1.3 ALL WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES AND REGULATIONS
- 1.4 ALL MATERIAL AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION (ODOT) DATED JAN. 1, 1995.

2.0 MATERIALS

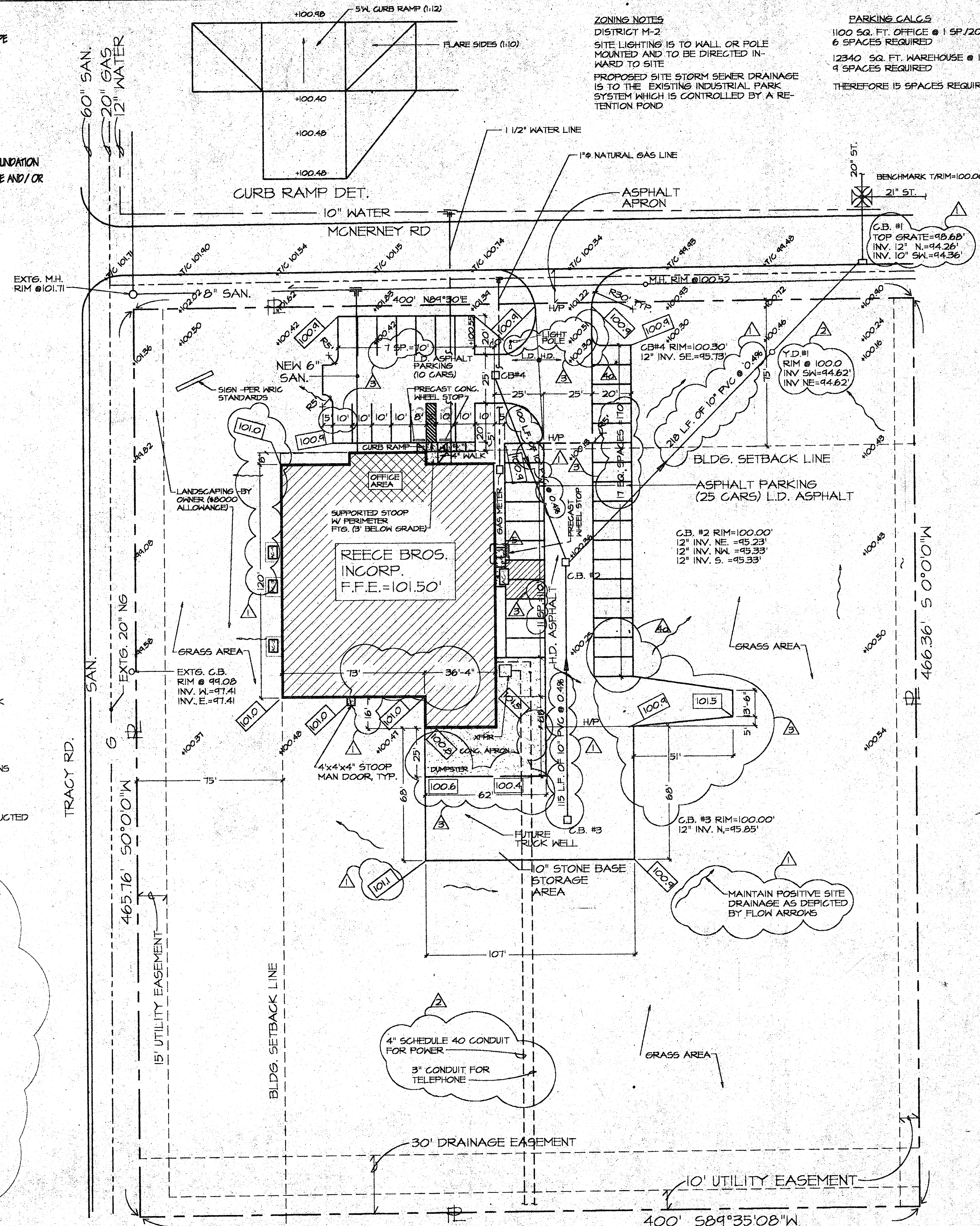
- 2.1 WHEN UTILIZED REINFORCED CONCRETE SEWER PIPE AND FITTINGS ASTM C76, CLASS III, FOR RUBBER GASKET JOINTS.
- 2.1.1 GASKET SHALL BE ASTM C443, RUBBER.
- 2.1.2 WHEN UTILIZED PVC PIPING WILL BE ASTM D3034 WITH SDR 35 JOINTS

3.0 INSTALLATION

- 3.1 PIPE SHALL BE INSTALLED PER STATE OF OHIO, ODOT, CONSTRUCTION AND MATERIAL SPECIFICATIONS, ITEM 603 EXCEPT AS OTHERWISE NOTED HEREIN
- 3.2 REFER TO BEDDING DETAIL FOR INSTALLATION IN OPEN AREAS, UNDER ROADWAYS AND PARKING AREAS
- 3.3 DURING CONSTRUCTION OF THIS PROJECT PROVIDE EROSION CONTROL MEASURES TO PROTECT ALL AREAS AFFECTED BY THIS WORK. THIS SHALL INCLUDE SEEDING, EROSION BASINS, HAY SCREENS OR OTHER METHODS

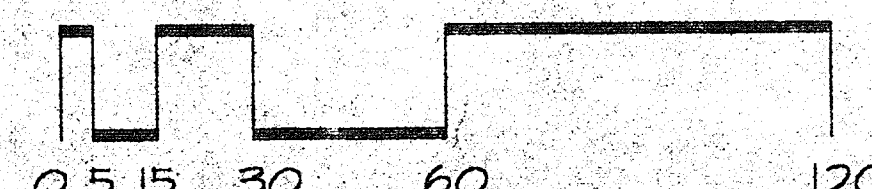
LEGAL DESCRIPTION

WALES ROAD INDUSTRIAL COMMUNITY PLAT 1, OF WHICH THIS A CORRECT PLAT, IS LAID OUT ON AND COMPREHENDS THAT PART OF THE SOUTHWEST 1/4 OF FRACTIONAL SECTION 31, TOWN 8 NORTH, RANGE 12 EAST, VILLAGE OF NORTHWOOD, WOOD COUNTY, OHIO, BOUNDED AND DESCRIBED AS FOLLOWS, BEARINGS BEING ASSUMED:
BEGINNING AT A POINT THAT IS SOUTH 0°-00'-00" WEST 1320.00' ON THE WEST LINE OF SAID FRACTIONAL SECTION 31, FROM THE WEST 1/4 CORNER OF SAID FRACTIONAL SECTION 31; THEN NORTH 84°-30'-00" EAST 420.00 FEET, PARALLEL TO THE EAST AND WEST CENTERLINE OF SAID FRACTIONAL SECTION 31; THEN SOUTH 0°-00'-00" WEST 800.00 FEET, PARALLEL TO SAID WEST LINE OF FRACTIONAL SECTION 31; THEN SOUTH 84°-30'-00" WEST 380.00 FEET, PARALLEL TO SAID EAST AND WEST CENTERLINE OF FRACTIONAL SECTION 31, TO A POINT THAT IS 40.00 FEET EAST OF SAID WEST LINE OF FRACTIONAL SECTION 31; THEN SOUTH 0°-00'-00" WEST 60.00 FEET, PARALLEL TO SAID WEST LINE OF FRACTIONAL SECTION 31; THEN NORTH 84°-30'-00" EAST 400.00 FEET, PARALLEL TO SAID EAST AND WEST CENTERLINE OF FRACTIONAL SECTION 31; THEN SOUTH 0°-00'-00" WEST 466.36 FEET, PARALLEL TO SAID WEST LINE OF FRACTIONAL SECTION 31, TO THE SOUTH LINE OF SAID FRACTIONAL SECTION 31; THEN SOUTH 84°-35'-08" WEST 434.94 FEET, ON SAID SOUTH LINE OF FRACTIONAL SECTION 31, TO THE SOUTHWEST CORNER OF SAID FRACTIONAL SECTION 31; THEN NORTH 0°-00'-00" EAST 1325.7 FEET, ON SAID WEST LINE OF FRACTIONAL SECTION 31, TO THE POINT OF BEGINNING; CONTAINING 12.415 ACRES OF LAND, MORE OR LESS.



SITE PLAN

SCALE: 1"=30'-0"



GENERAL NOTE
CONTRACTOR SHALL VISIT SITE & VERIFY EXIST. CONDITIONS, NOTIFY ARCHITECT OF ANY & ALL DISCREPANCIES PRIOR TO FABRICATION, INSTALLATION, &/OR ORDERING MATERIALS

SITE PLAN

REECE BROTHERS INC.
WALES ROAD INDUSTRIAL COMMUNITY
LOT #8 WALES RD.
NORTHWOOD OH.
developed by: MCNERNEY & SON, INC. (419) 666-0200

DRAWN BY: S.T.N. CHECKED BY: D.N.G.

PROJECT NO: DATE: 91011 7/18/97

DATE/REVISION:
7/28/97
8/18/97
8/21/97
9/23/97
11/4/97
11/11/97

A-1

OF DRAWINGS

architecture
by
design
© architecture by design, 1997

(419) 639-9001
350 S. Reynolds Road Toledo, Ohio 43615

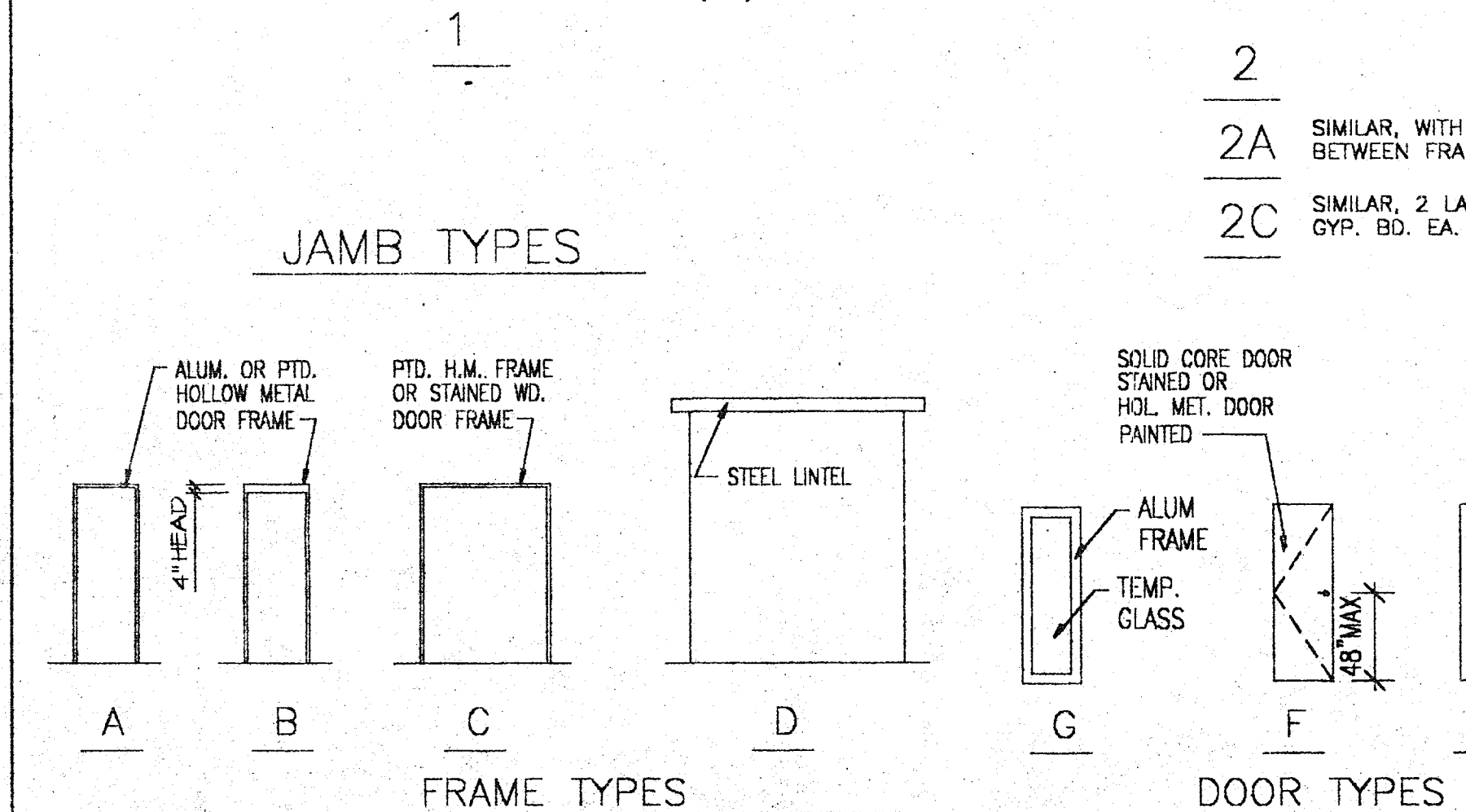
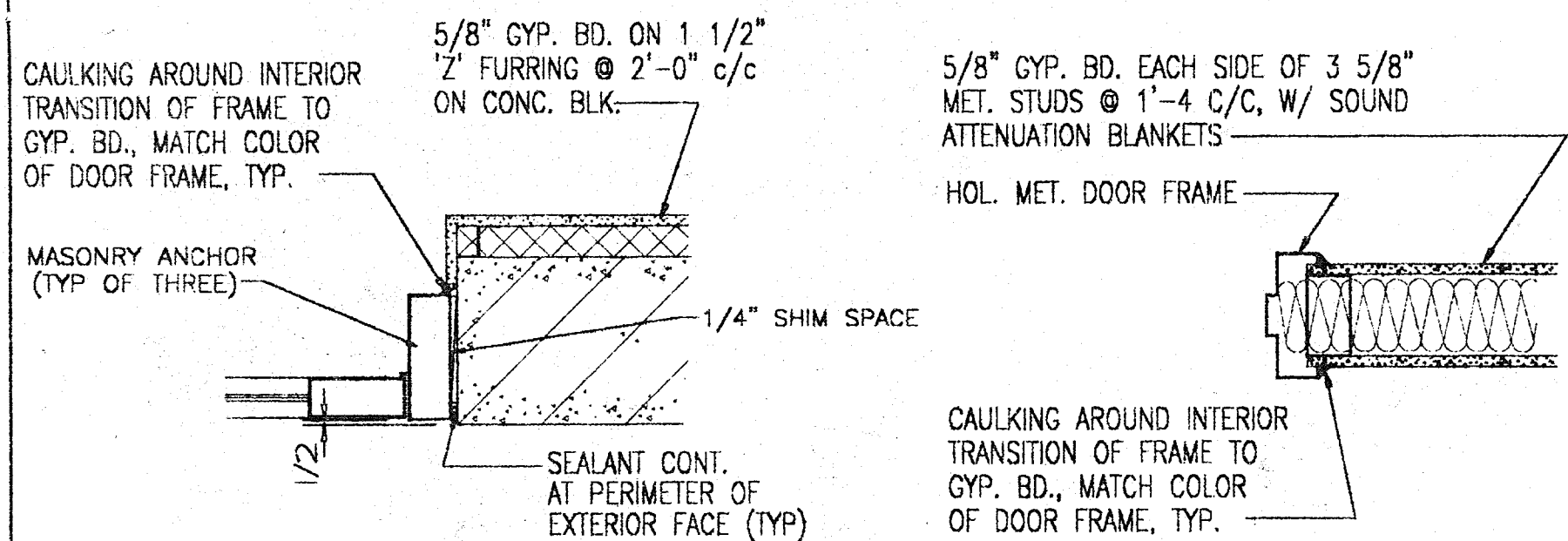
FINISH SCHEDULE

MARK	ROOM	FLOOR	BASE	WALL	CEILING	REMARKS
101	VESTIBULE	CAR(2)	RS	PDW	W*	ACT 8'-0" ALT CERAMIC TILE FLR. & BASE, WC-2'-8"H. WD
102	GENERAL OFFICE	CAR	RS	W*	PDW	ACT 8'-11"
103	CONFERENCE ROOM	CAR	RS	W*	PDW	ACT 8'-0" W*=BELOW GLASS
104	OFFICE	CAR	RS	W*	PDW	ACT 8'-0" W*=BELOW GLASS
105	PLATE STRIPPING	VCT	RC	PD	PD	ACT 8'-11"
106	COMPUTER	VCT	RC	PD	PD	ACT 8'-11"
107	WOMEN'S T.R.	VCT	RC	PDW	PDW	ACT 8'-11" ALT CERAMIC TILE FLR. & BASE, 4" TYP. AL. PANELS
108	MEN'S T.R.	VCT	RC	PDW	PDW	ACT 8'-11" ALT CERAMIC TILE FLR. & BASE, 4" TYP. AL. PANELS
109	BREAK ROOM	VCT	RC	PD	PD	ACT 8'-11"
110	NETWORK	VCT	RC	PD	PD	ACT 8'-11"
111	EXPOSE ROOM	VCT	RC	PD	PD	ACT 8'-11"
112	PROCESS ROOM	VCT	RC	PD	PD	ACT 8'-11"
113	EXPOSE ROOM	VCT	RC	PD	PD	ACT 8'-11"
114	CAMERA	CONC/S	RC	PD	PD	ACT 8'-11"
115	CAMERA	CONC/S	RC	PD	PD	ACT 8'-11"
116	LASER	VCT	RC	PD	PD	ACT 8'-11"
117	INDIGO ROOM	CONC/S	RC	PD	PD	ACT 8'-11"
118	DIGITAL CAMERA	CONC/S	RC	PD	PD	EXP
119	SHIPPING & RECEIVING	CONC/S	RC	PD	PD	EXP
120	PLATEMAKING	CONC/S	RC	PD	PD	EXP
121	EMPLOYEE	VCT	RC	PD	PD	ACT 8'-11"

DOOR / FRAME SCHEDULE

DOOR NO.	TYPE	MAT'L	FINISH	WIDTH	HGT.	THK.	MAT'L	FINISH	ELEV.	JAMB	HDWR	REMARKS
01A	G	ALUM	ANOD	3'-0"	7'-0"	1 3/4"	ALUM	ANOD	A	1	1	
01B	F	SC	STN	3'-0"	7'-0"	1 3/4"	HM	PTD	A	2	2	
02A												BY OWNER
02B												BY OWNER
02C	F	HM	PTD	1'-6"	7'-0"	1 3/4"	HM	PTD	A	2	4	
03	F	SC	STN	3'-0"	7'-0"	1 3/4"	HM	PTD	A	2	4	
04	F	SC	STN	3'-0"	7'-0"	1 3/4"	HM	PTD	A	2	3	
05	F	HM	PTD	3'-0"	7'-0"	1 3/4"	HM	PTD	B	5	7	
07	F	HM	PTD	3'-0"	7'-0"	1 3/4"	HM	PTD	A	2	5	
08	F	HM	PTD	3'-0"	7'-0"	1 3/4"	HM	PTD	A	2	5	
09												
09A	F	HM	PTD	3'-0"	7'-0"	1 3/4"	HM	PTD	A	2	3	
09B	F	HM	PTD	3'-0"	7'-0"	1 3/4"	HM	PTD	A	2	4	
11A	F	HM	PTD	3'-0"	7'-0"	1 3/4"	HM	PTD	A	2A	3	
11B	F	HM	PTD	3'-0"	7'-0"	1 3/4"	HM	PTD	A	2A	3	
12	F	HM	PTD	3'-0"	7'-0"	1 3/4"	HM	PTD	A	2A	3	
13A	F	HM	PTD	3'-0"	7'-0"	1 3/4"	HM	PTD	A	2A	3	
13B	F	HM	PTD	3'-0"	7'-0"	1 3/4"	HM	PTD	A	2A	3	
14	F	HM	PTD	3'-0"	7'-0"	1 3/4"	HM	PTD	A	2	4	
15	F	HM	PTD	3'-0"	7'-0"	1 3/4"	HM	PTD	A	2	4	
16	H	HM	PTD	20'3"	7'-0"	1 3/4"	HM	PTD	C	2	9	
17A	F	HM	PTD	3'-0"	7'-0"	1 3/4"	HM	PTD	A	2C	10	U.L. 1 1/2 HOUR RATED
17B	F	HM	PTD	20'3"	7'-0"	1 3/4"	HM	PTD	C	2	9	
17C	F	HM	PTD	3'-0"	7'-0"	1 3/4"	HM	PTD	B	5	7	
18	F	HM	PTD	20'3"	7'-0"	1 3/4"	HM	PTD	C	2C	9	U.L. 1 1/2 HOUR RATED
19A	F	HM	PTD	3'-0"	7'-0"	1 3/4"	HM	PTD	B	5A	7	
19B	OH	STL	PTD	10'	12'	-	STL	PTD	D	4	6	
19C	F	HM	PTD	20'3"	7'-0"	1 3/4"	HM	PTD	C	2C	9	U.L. 1 1/2 HOUR RATED
21	H	HM	PTD	3'-0"	7'-0"	1 3/4"	HM	PTD	A	2	4	

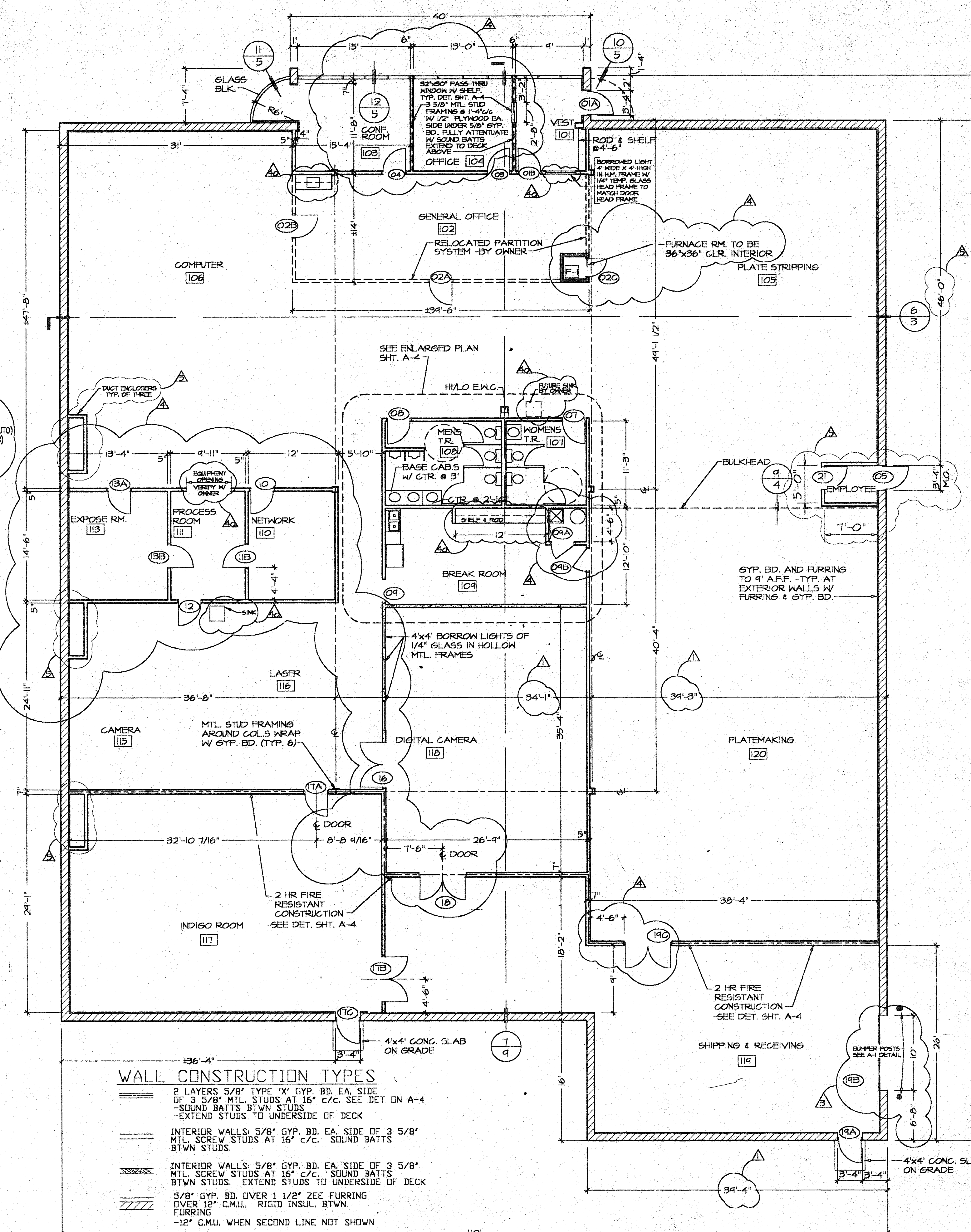
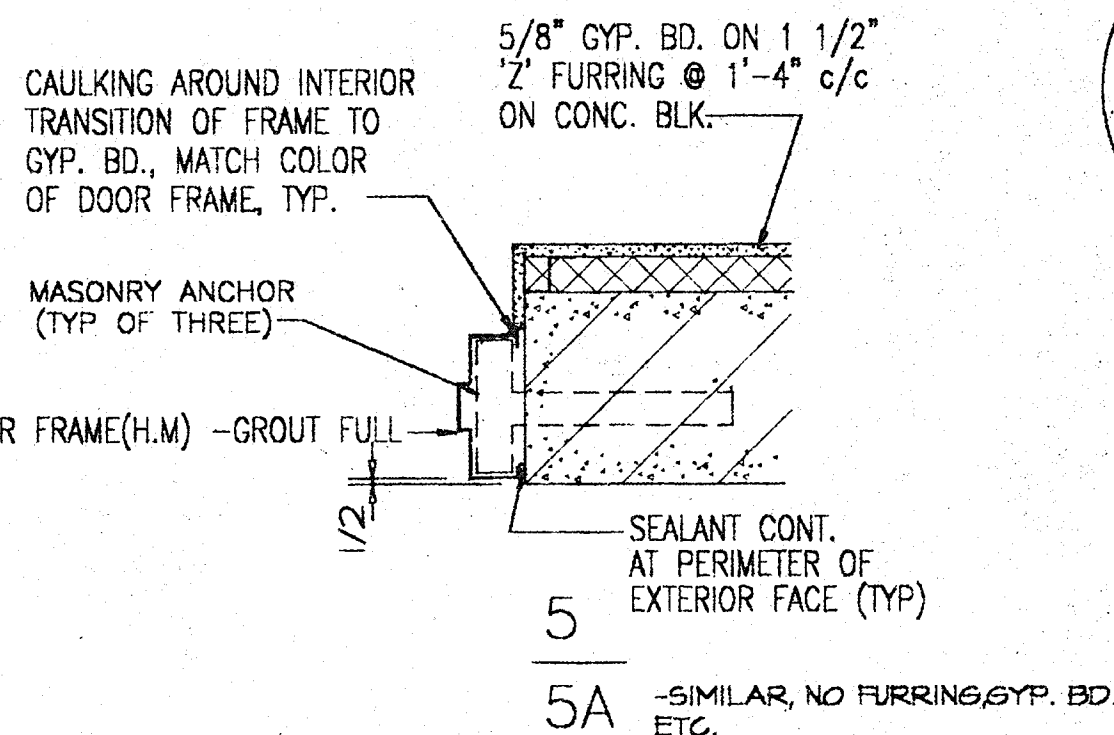
NOTE: ALL DOORS SHOWN AT CORNERS / WALL INTERSECTIONS TO BE LOCATED WITHIN 2" OF CORNER/INTERSECTION U.N.O.



FINISH KEY:
 PD=PAINT DRY-WALL
 PB=PAINT BLOCK
 W=PAINT
 C=CERAMIC
 V=VINYL WALL COVERING
 ACT=ACOUSTIC CEILING TILE (2x4 TEGULAR UN.O.)
 ACT=ACOUSTIC CEILING TILE (2x4 TEGULAR SECOND LOOK)
 ACT=ACoustic BLANKETS LAID OVER TOP OF TILE
 ACT=ARMSTRONG CERAMIC GUARD RHOD OR EQUAL
 EXP=EXPOSED (PAINT)
 RS=RESILIENT BASE-COVE
 RS=RESILIENT BASE-STRAIGHT
 VCT=VINYL COMPOSITION TILE
 CAR=CARPET (20 OZ. LEVEL LOOP UN.O.)
 CAR(2)=INDOOR/OUTDOOR STYLE CARPET
 CONC=CONCRETE
 S=SEALER
 HM=HALLOW METAL
 ALUM=ALUMINUM

HARDWARE SCHEDULE

- SET #1 (MANUF. STD.)
 3 HINGES (NRP)
 1 DEAD BOLT W/THUMB TURN
 1 SET WEATHERSTRIPPING
 1 CLOSER (ADA)
 1 THRESHOLD (ADA)
 1 DOOR SWEEP
 1 LEVER LOCKSET (ADA)
- SET #2
 3 BUTT HINGES (ADA)
 1 LEVER LOCKSET (ADA)
 1 CLOSER (ADA - U.L. 10)
 1 KICK PLATE (2" LDW)
- SET #3
 3 BUTT HINGES
 1 LEVER LOCKSET (ADA)
 1 WALL STOP
 1 DROP SEAL @ 11A, 11B, 12, 13A, 13B
- SET #4
 3 BUTT HINGES
 1 LEVER LATCHSET (ADA)
 1 WALL STOP
- SET #5
 3 BUTT HINGES
 1 PUSH/PULL SET
 1 WALL STOP
 1 CLOSER (ADA)
 1 SIGN (ADA)
 1 KICKPLATE (2" LDW)
- SET #6
 1 O.H. DR. HDWR. SET
 2 SLIDE LOCKS
 1 SET WEATHERSTRIPPING
 1 3-BUTTON OPERATOR
 1 O.H. DR. MOTOR
 1 SAFETY BOTTOM ANGLES
- SET #7
 3 BUTT HINGES (NRP)
 1 LEVER LOCKSET (ADA)
 1 CLOSER (ADA)
 1 LATCH GUARD
 1 SET WEATHERSTRIPPING
 1 THRESHOLD (ADA)
 1 DOOR SWEEP
 1 LEVER LOCKSET (ADA)
 1 DRIP (1 COURSE ABOVE)
- SET #8
 1 BIFOLD DOOR HARDWARE SET
 2 LEVER PULLS
- SET #9
 6 BUTT HINGES
 2 LEVER HANDLES (PULL SIDE)
 1 ADA (U.L. 18, 19C)
 2 PANIC PUSH BARS
 2 SET SURFACE MTD. FLUSH BOLTS (AUTO)
 1 COORDINATOR (X-CEPT @ 16 & 17B)
 1 ASTRAGAL (X-CEPT @ 16 & 17B)
 1 CLOSER (ADA) (U.L. 18, 19C)
 1 KICK PLATE (2" LDW)
 1 WALL STOP (16)
- SET #10
 3 BUTT HINGES
 1 LEVER LATCHSET (ADA)
 1 CLOSER (U.L.)
 1 KICK PLATE (2" LDW)



WALL CONSTRUCTION TYPES

- 2 LAYERS 5/8" TYPE 'X' GYP. BD. EA. SIDE OF 3 5/8" MTL. STUDS AT 16" C/C. SEE DET ON A-4
 -SOUND BATTS BTWN STUDS
 -EXTEND STUDS TO UNDERSIDE OF DECK
- INTERIOR WALLS, 5/8" GYP. BD. EA. SIDE OF 3 5/8" MTL. SCREW STUDS AT 16" C/C. SOUND BATTS BTWN STUDS. EXTEND STUDS TO UNDERSIDE OF DECK
- 5/8" GYP. BD. OVER 1 1/2" ZEE FURRING OVER 12" C.M.U. RIGID INSUL. BTWN FURRING
 -12" C.M.U. WHEN SECOND LINE NOT SHOWN

FLOOR PLAN

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

CODE INFORMATION

ACTIVITY: NEW CONSTRUCTION
 USE GROUP: F-1
 CONSTRUCTION TYPE: 2C
 AREA= 14,134 SF
 (1600 SQ. FT. ALLOWABLE, 14,400 ALLOWABLE W/ PERIMETER INCREASE)
 FIRE SEPARATION AREAS
 INDIGO ROOM, SHIP/REC'G = 2670 SQ. FT.
 REMAINDER OF BUILDING= 11,464 SQ. FT.
 OCCUPANCY= 141 PEOPLE

FLOOR PLAN, SCHEDULES, & DETAILS

REECE BROTHERS INC.
 WALES ROAD INDUSTRIAL COMMUNITY
 LOT #8 WALES RD.
 NORTHWOOD, OH.

DRAWN BY: CHECKED BY:

S.T.N. D.N.G.

PROJECT NO: DATE:

97011 7/18/97

DATE/REVISION:

7/28/97

8/18/97

9/23/97

10/30/97

11/4/97

11/11/97

developed by: MCNERNEY & SON, INC. (414) 666-0200

architecture by design

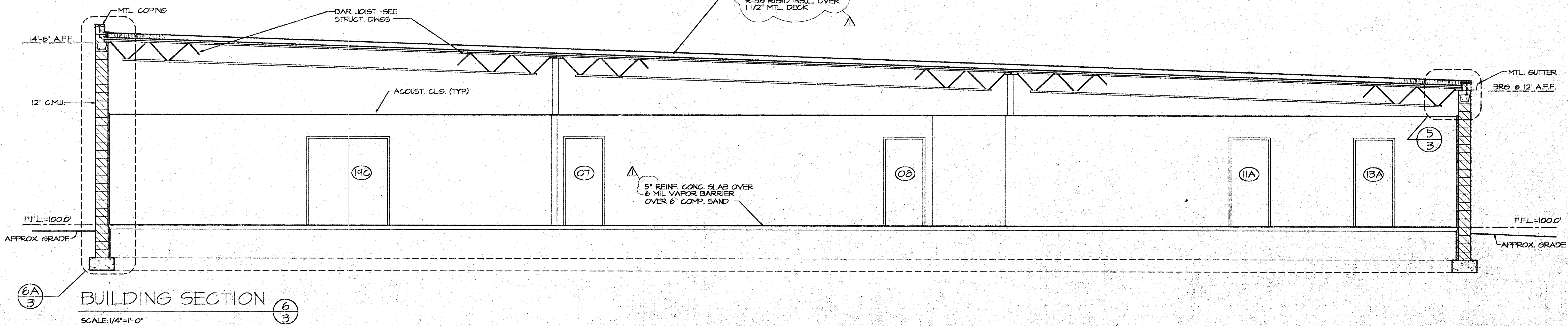
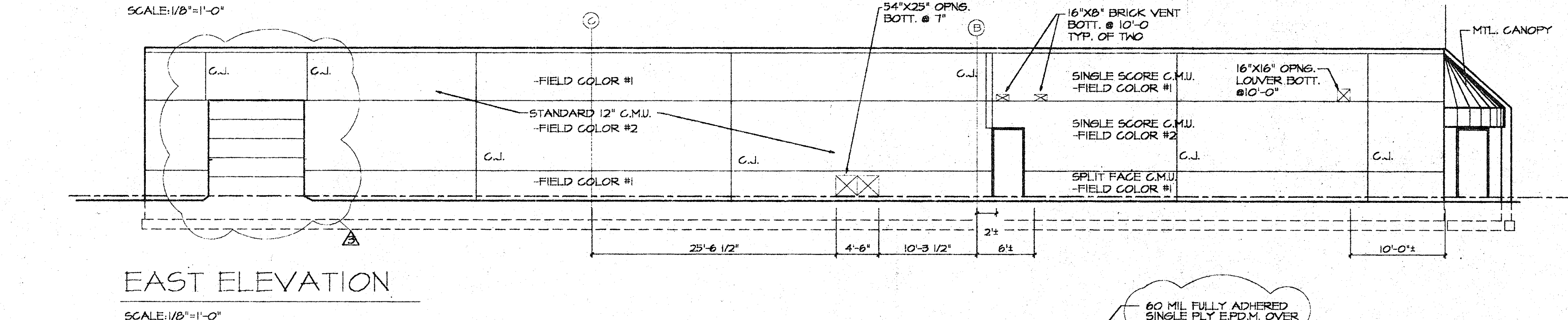
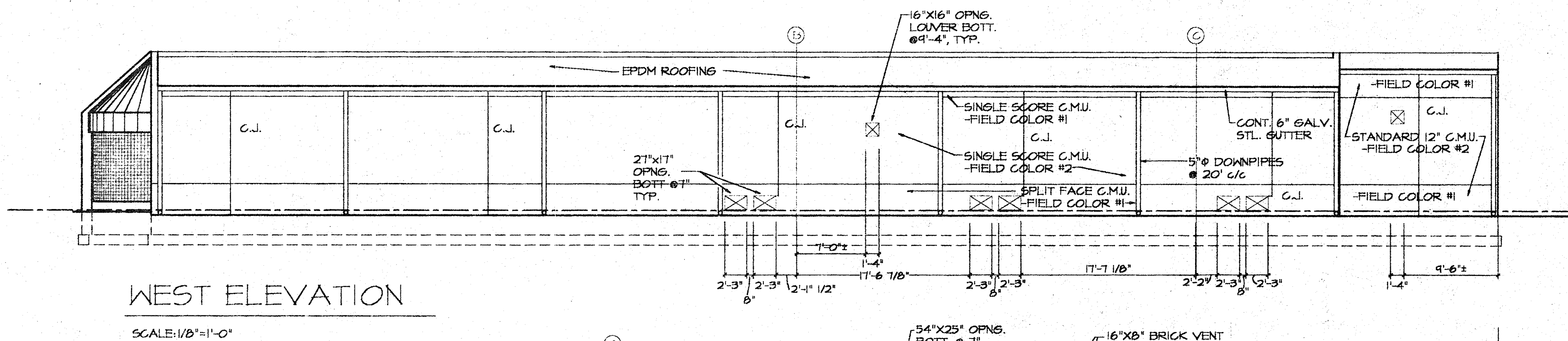
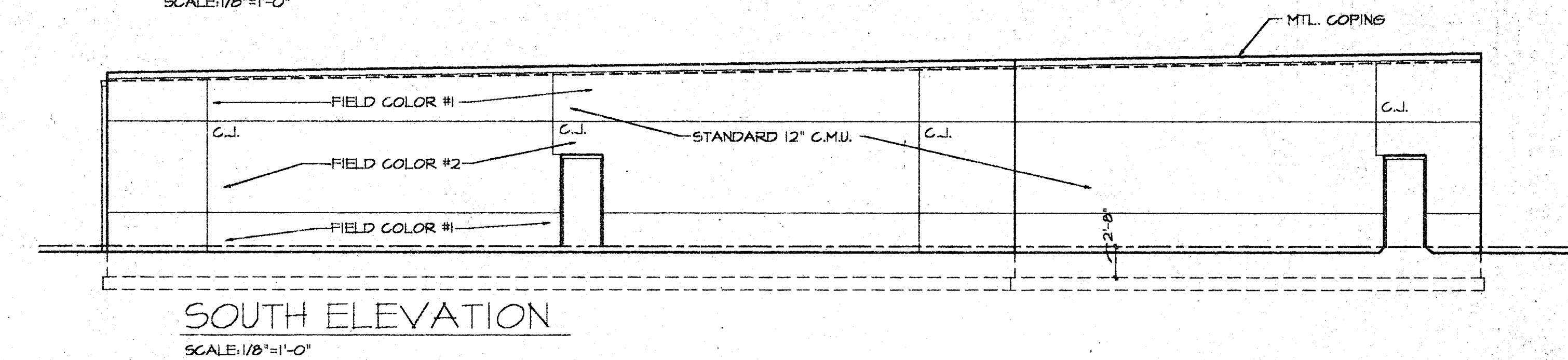
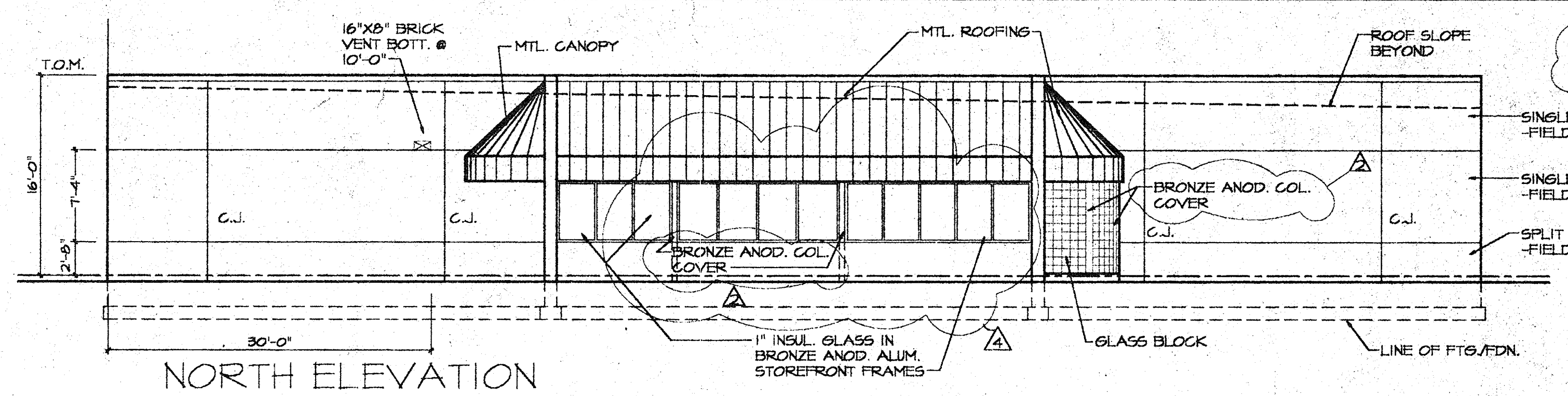
© architecture by design, 1997

(419) 639-9001

350 S. Reynolds Road Toledo, Ohio 43615

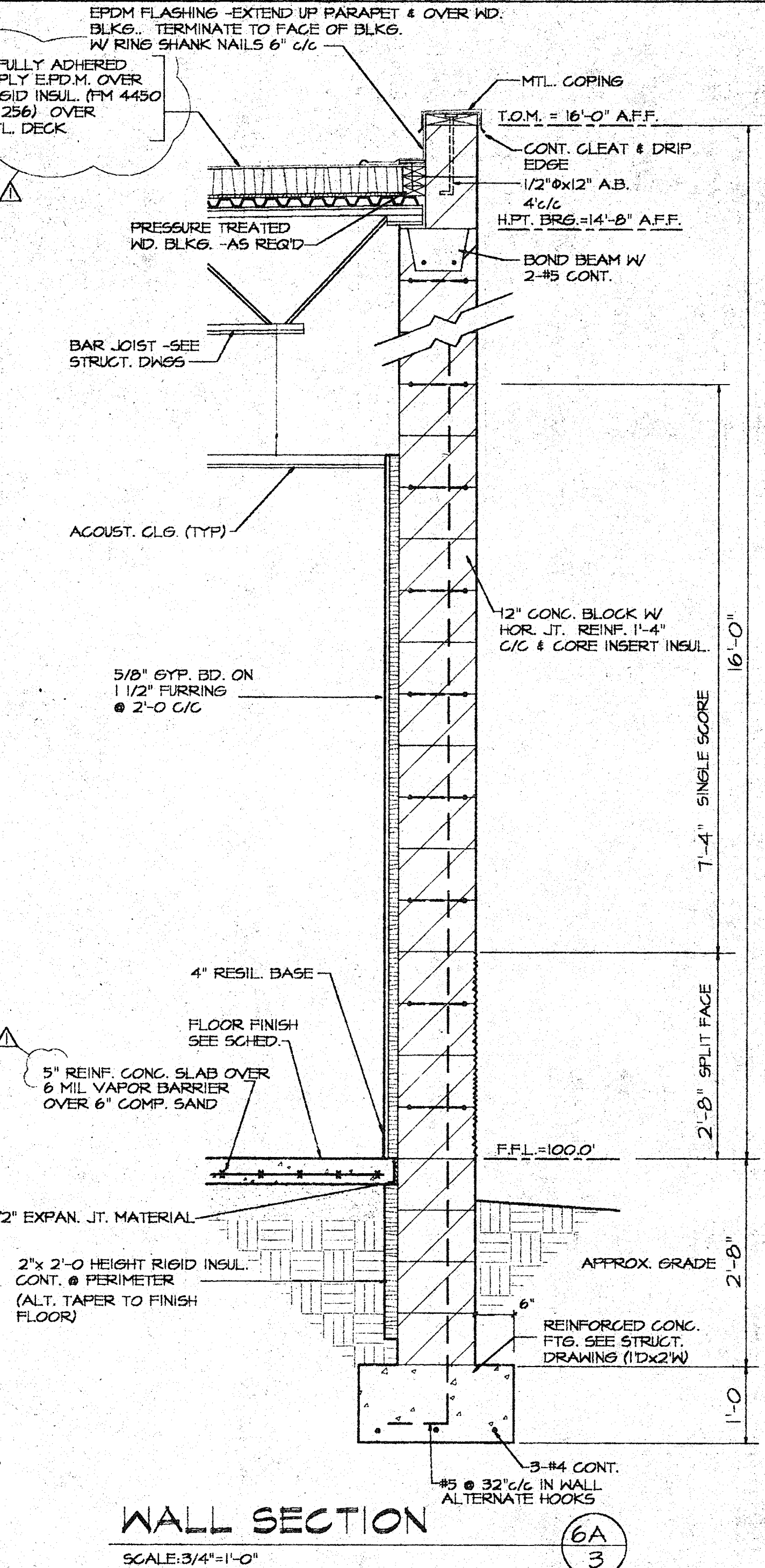
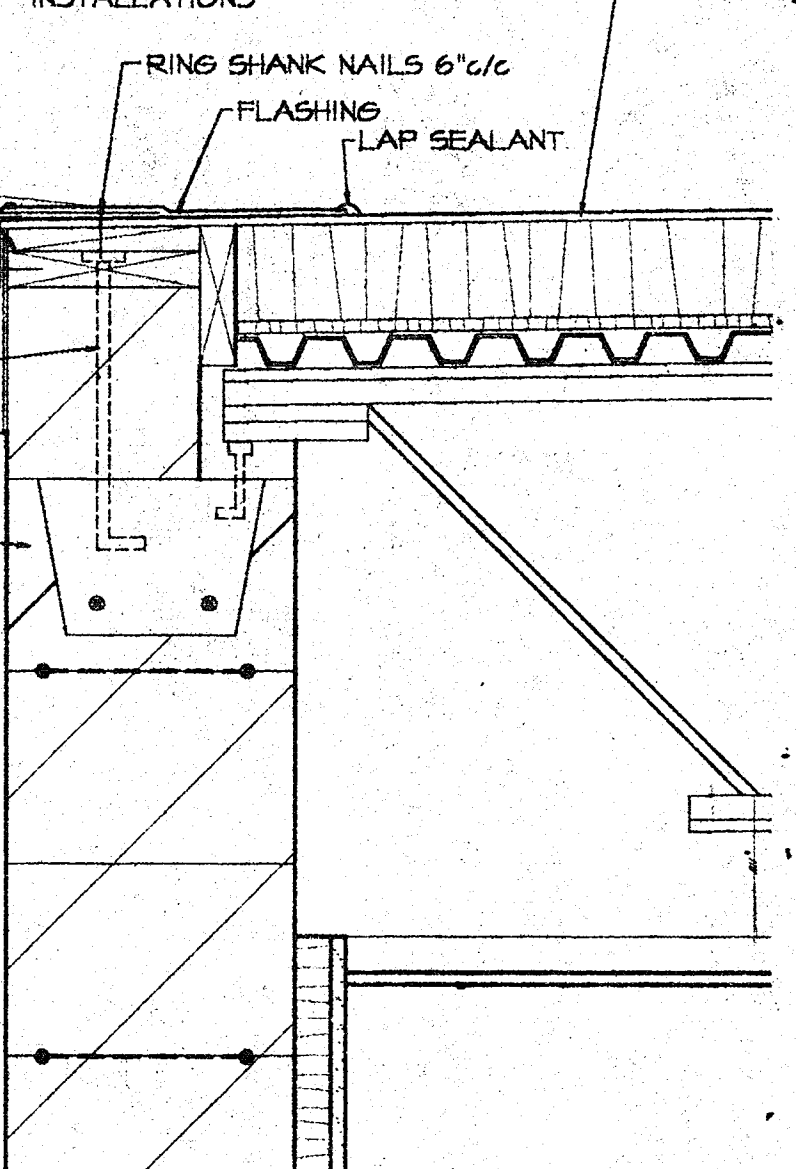
OF DRAWINGS

A-2



ELEVATION NOTE:
CONTROL JOINTS (C.J.)
TO BE 30'± IN FIELD
& WITHIN 10' OF CORNERS

NOTE: CONTRACTOR TO VERIFY
MFR. RECOMMENDATIONS FOR
TYPE AND LOCATIONS OF ANY
MASTICS/ADHESIVES ASSOCIATED
WITH EPDM ROOF & FLASHING
INSTALLATIONS



(419) 639-9001
350 S. Reynolds Road Toledo, Ohio 43615
architecture
by
design
© architecture by design, 1997
ELEVATIONS, SECTIONS
REEGE BROTHERS INC.
WALES ROAD INDUSTRIAL COMMUNITY
LOT #8 WALES RD.
NORTHWOOD, OH.
developed by: McNERNEY & SON, INC. (419) 666-0200
DRAWN BY: S.T.N. CHECKED BY: D.N.G.
PROJECT NO: 97011 DATE: 7/18/97
DATE/REVISION:
1/28/97
8/18/97
8/27/97
9/23/97
11/4/97
A-3
OF DRAWINGS

BREAK RM. WEST ELEVATION
SCALE: 1/4" = 1'-0"

SHELF ELEVATION
SCALE: 1/4" = 1'-0"

ENLARGED TOILET ROOM PLAN

ACCESSIBLE FIXTURE MOUNTING HEIGHTS

TOILET ROOM ACCESSORIES:	
GRAB BARS (G.B.S.):	BOBRICK #B5507.98X36
(G.B.L.):	BOBRICK #B5507.99X42
MIRROR (M1):	BOBRICK #B290 2436
MIRROR (M2):	BOBRICK #B290 7236
PAPER TOWEL DISP. (P.T.D.):	#B262
SOAP DISPENSER (S.D.):	BOBRICK #B2112
TOILET PAPER DISP. (T.P.D.):	BOBRICK #B686.60

SHELF DET. 8
4

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

PASS-THRU WINDOW DET.

TYP. BORROWED
LIGHT DET.

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

BULKHEAD DET. (9
SCALE: 3/4"=1'-0" 2

RATED WALL SECTION (UL U411)

BUILDING SECTION
SCALE: 1/4" = 1'-0"

architecture
by
design

(419) 539-8001

350 S. Reynolds Road Toledo, Ohio 43615

© architecture by design, 1997

TOILET ROOM PLAN & DETAILS

REECE BROTHERS INC.

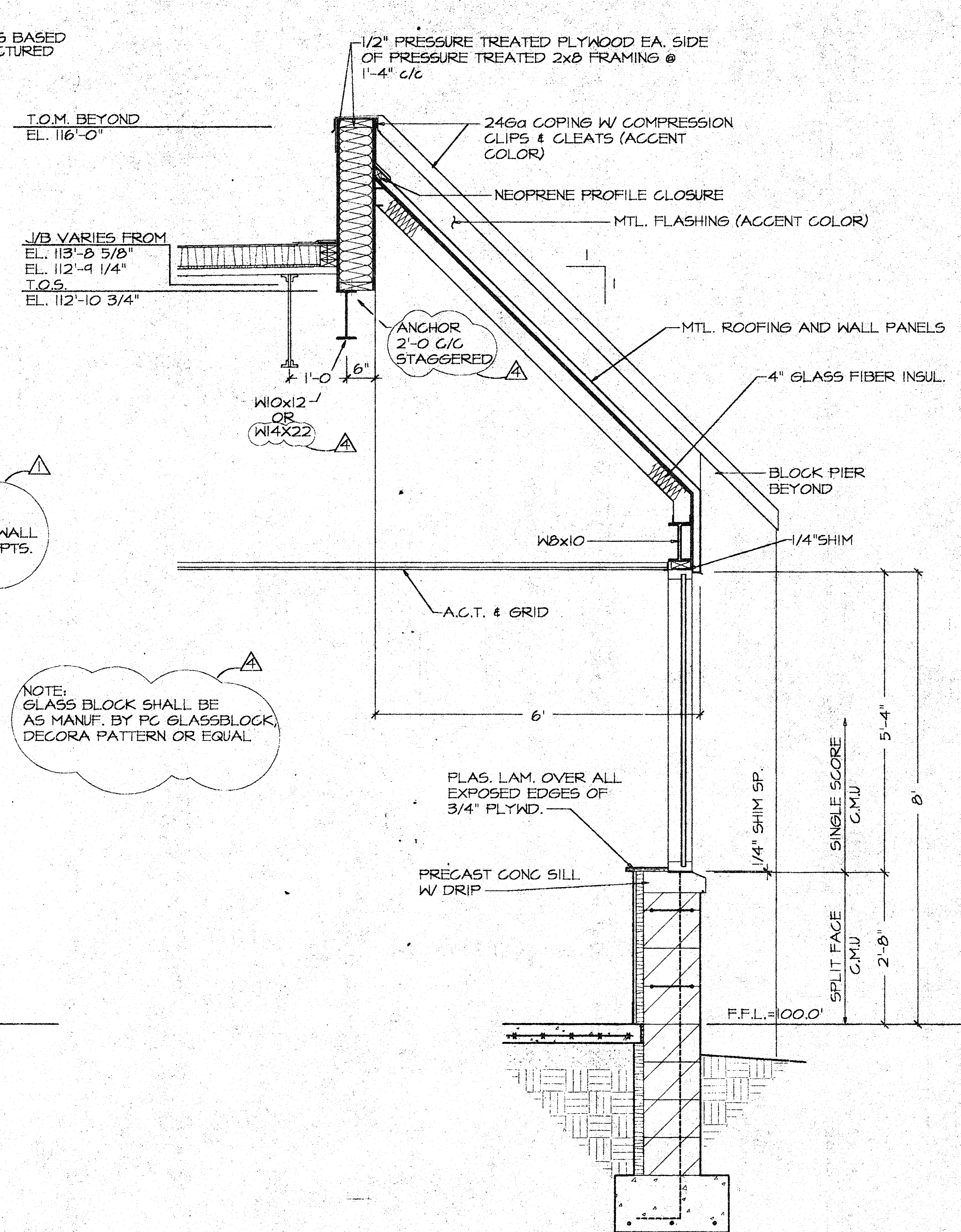
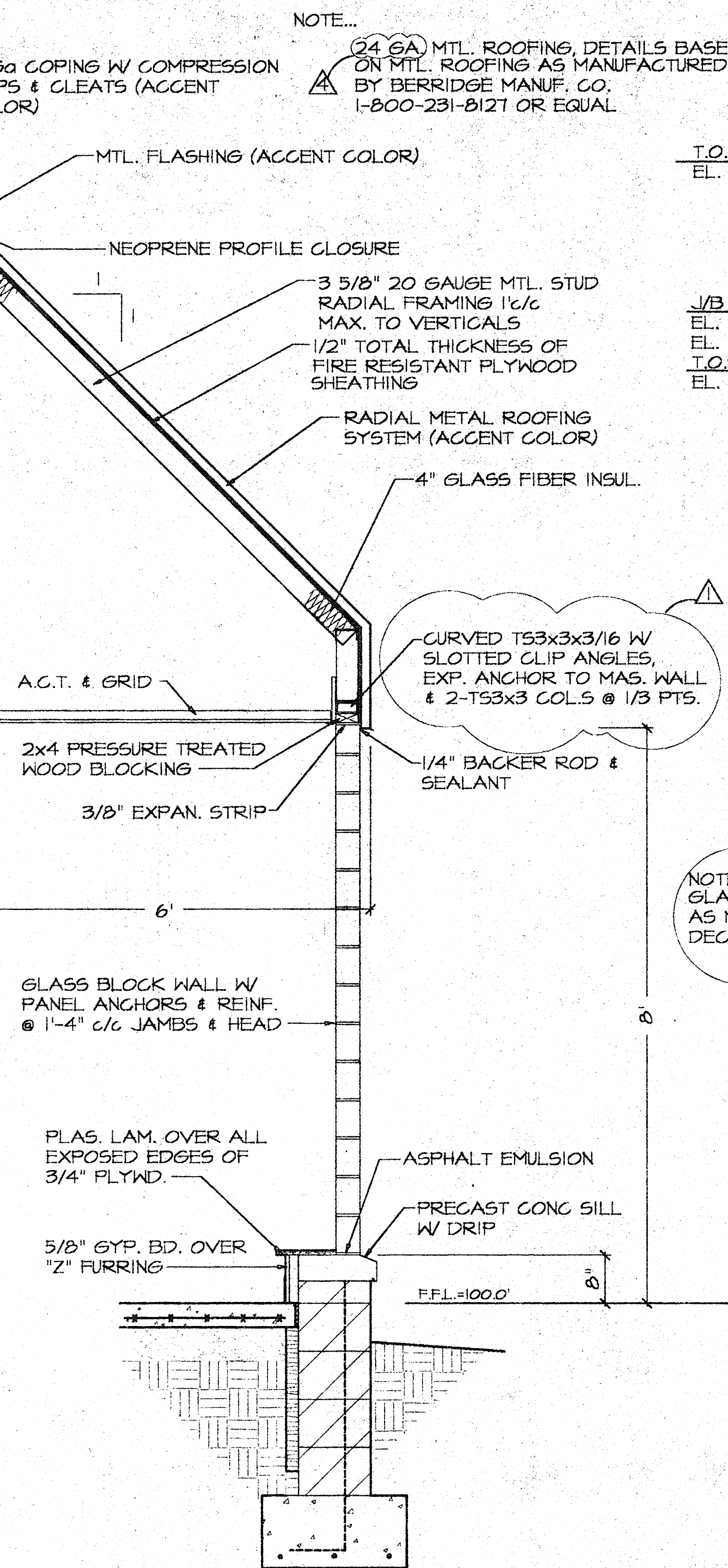
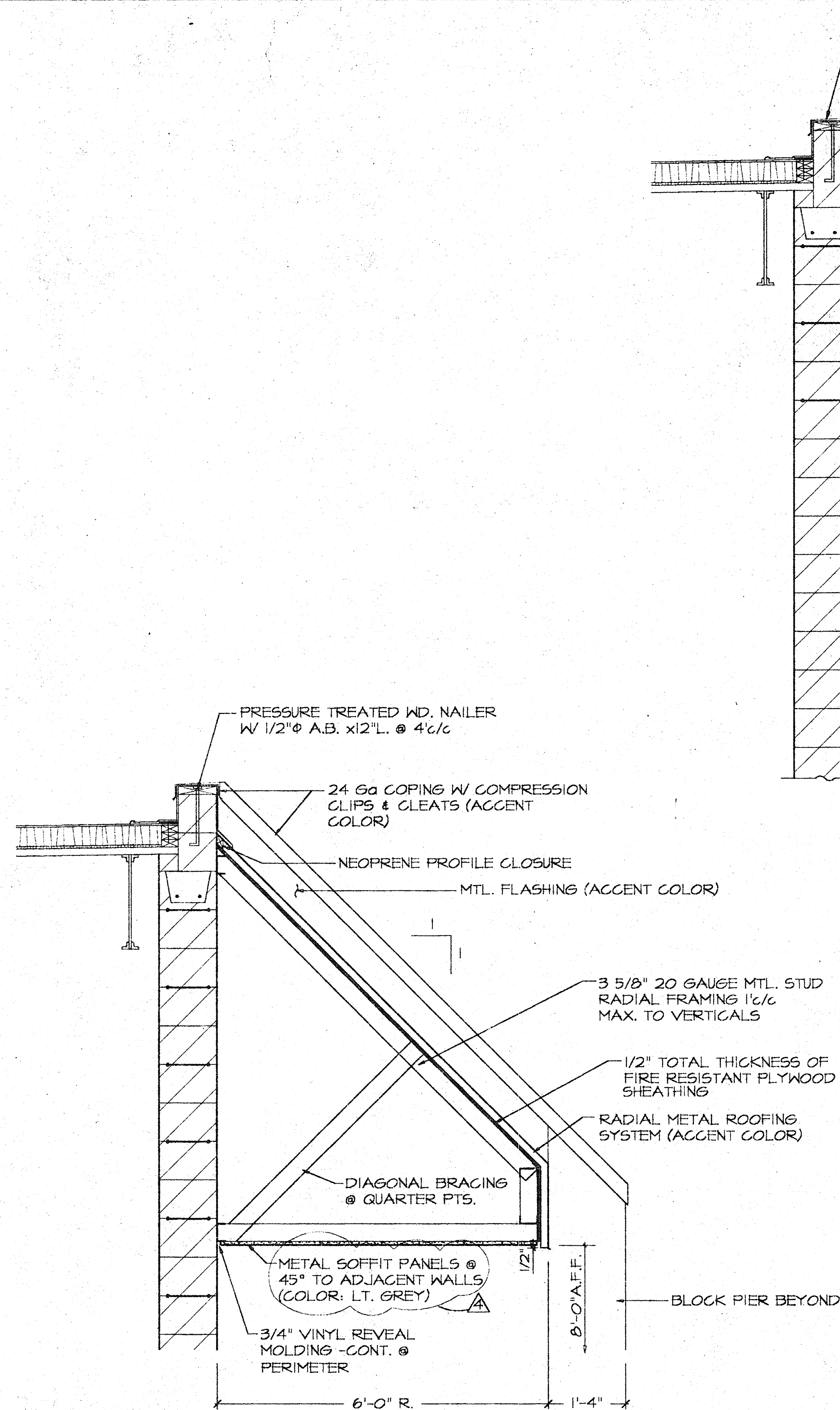
WALEN DROUILLONS INC.
WALEN ROAD INDUSTRIAL COMMUNITY
LOT #8, WALEN RD

NORTHWOOD, OH.
developed by: McNerney & son, Inc. (419)666-0200

DRAWN BY: S.T.N.	CHECKED BY: D.N.G.
PROJECT NO: 97011	DATE: 7/18/97

DATE/REVISION:	
7/28/97	
8/18/97	
11/4/97	

OF DRAWING

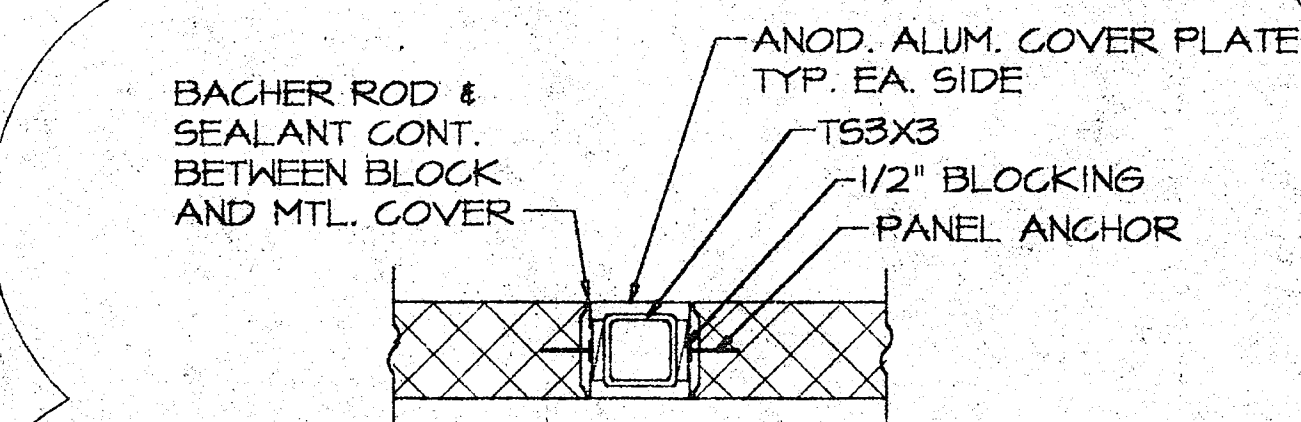


WALL SECTION @ GLASS BLOCK

SCALE: 3/4" = 1'-0"

WALL SECTION @ FRONT OFFICES

SCALE: 3/4" = 1'-0"



COL. DET. IN GLASS BLOCK

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

(419) 539-9001

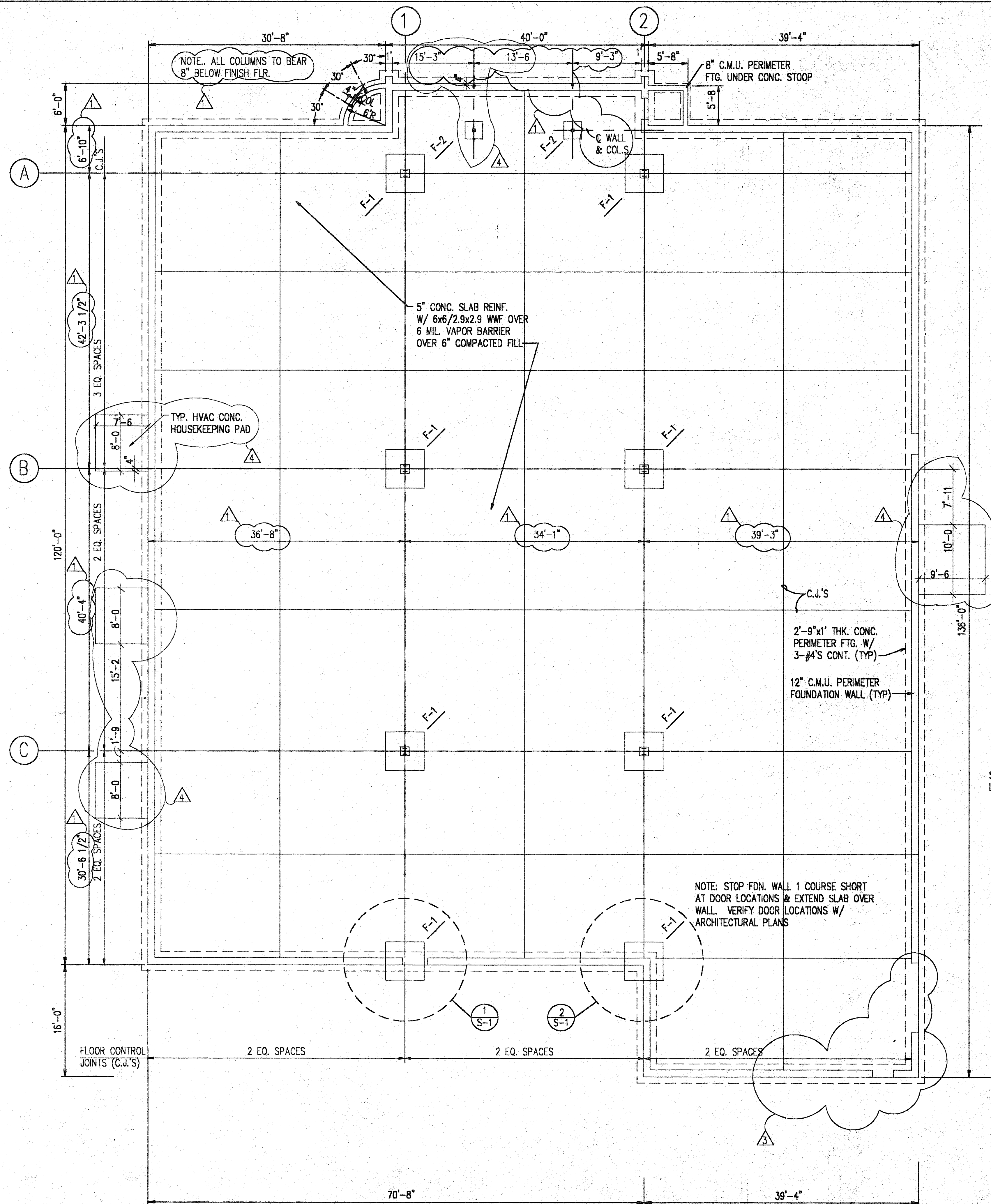
350 S. Reynolds Road Toledo, Ohio 43615

architecture
by
design
© architecture by design, 1997

DETAILS
REECE BROTHERS INC.
WALES ROAD INDUSTRIAL COMMUNITY
LOT #8 WALES RD.
NORTHWOOD, OH.
developed by: McENERNEY & SON, INC. (419) 666-0200

DRAWN BY:	CHECKED BY:
S.T.N.	D.N.G.
PROJECT NO. DATE:	
91011	7/18/97
DATE/REVISION:	
7/28/97	
8/18/97	
11/4/97	

A-5
OF DRAWINGS

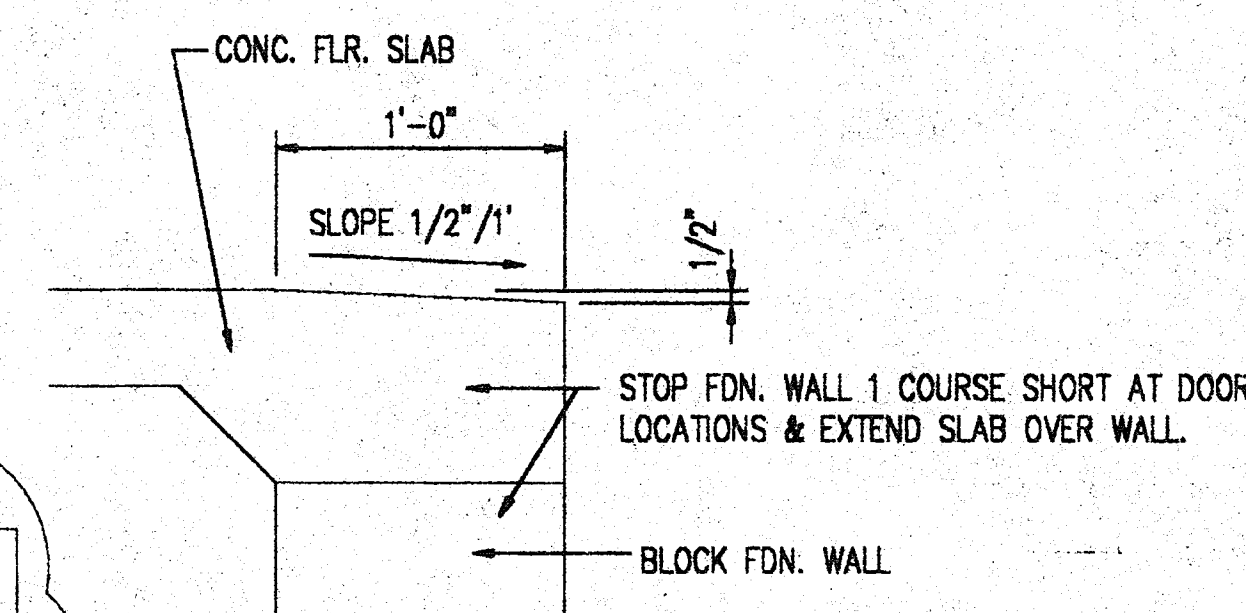


FOUNDATION/FOOTING PLAN

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

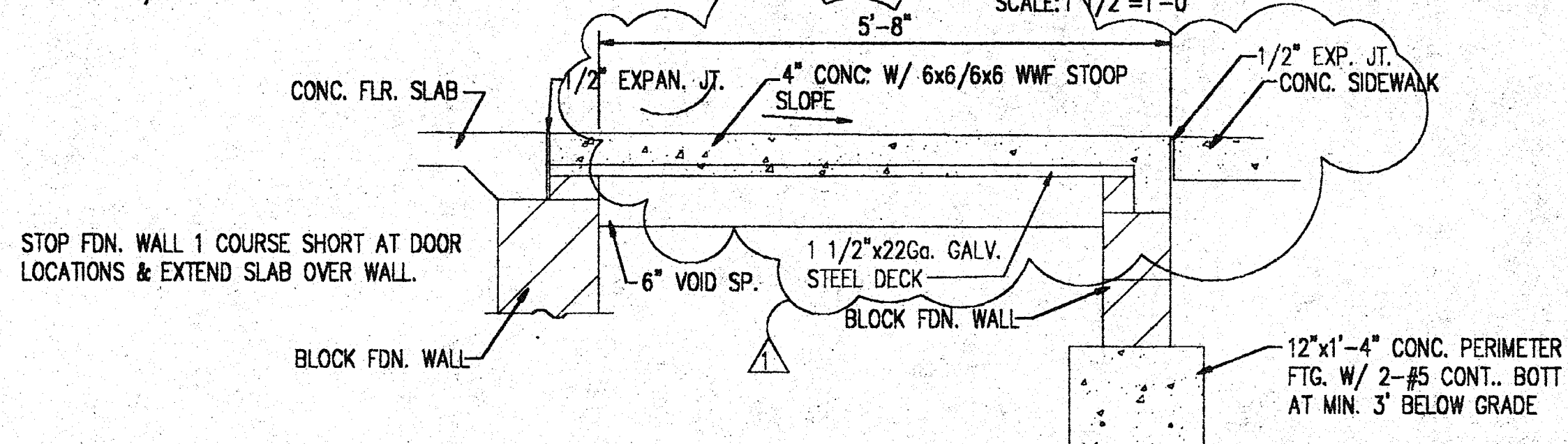
ANCHOR BOLT DET.

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



O.H. DOOR SILL DET.

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



SUPPORTED STOOP DET.

SCALE: 3/4"=1'-0"

GENERAL NOTES:

ALL CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3000 psi AFTER 28 DAYS UNLESS NOTED.

REINFORCING STEEL SHALL BE NEW BILLET STEEL DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60.

SPREAD FOOTING DESIGN IS BASED ON AN ALLOWABLE BEARING CAPACITY OF 2700 psf. IF UNSOUND CONDITIONS ARE ENCOUNTERED, THE CONTRACTOR SHALL BRING THIS TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

THE DETAILING, BENDING AND PLACING OF REINFORCING STEEL IN CONCRETE SHALL BE IN ACCORDANCE WITH THE ACI STANDARD 318-92 CODE.

PRIOR TO PLACING CONCRETE, CONFIRM WITH OTHER TRADES SUCH AS ELECTRICAL, MECHANICAL, AND PLUMBING TO INCLUDE ALL ANCHOR BOLTS, PIPE SLEEVES, CONDUIT, ETC.

CORNER BARS SHALL BE PROVIDED TO MATCH HORIZONTAL WALL AND FOOTING REINFORCEMENT AT ALL CORNERS. LAP BARS 30 BAR DIAMETERS OR A MINIMUM OF 1'-0".

ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A36.

THE DETAILING, FABRICATION AND ERECTION OF ALL STRUCTURAL STEEL SHALL CONFORM TO THE AISC MANUAL OF STEEL CONSTRUCTION, NINTH EDITION.

METAL ROOF DECK SHALL BE 1 1/2" DEEP x 22 ga. TYPE B PAINTED DECK.

ALL LINTELS SHALL BEAR ON 2 COURSES OF SOLID BLOCK AT THEIR BEARING AREA.

GROUT FOR BOND BEAMS, REINFORCED MASONRY, AND ANCHORAGE OF STEEL MEMBERS SHALL CONFORM TO ASTM A476 AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH $f_g = 3,000$ psi.

ALL CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT, TYPE 1 MOISTURE CONTROLLED UNITS.

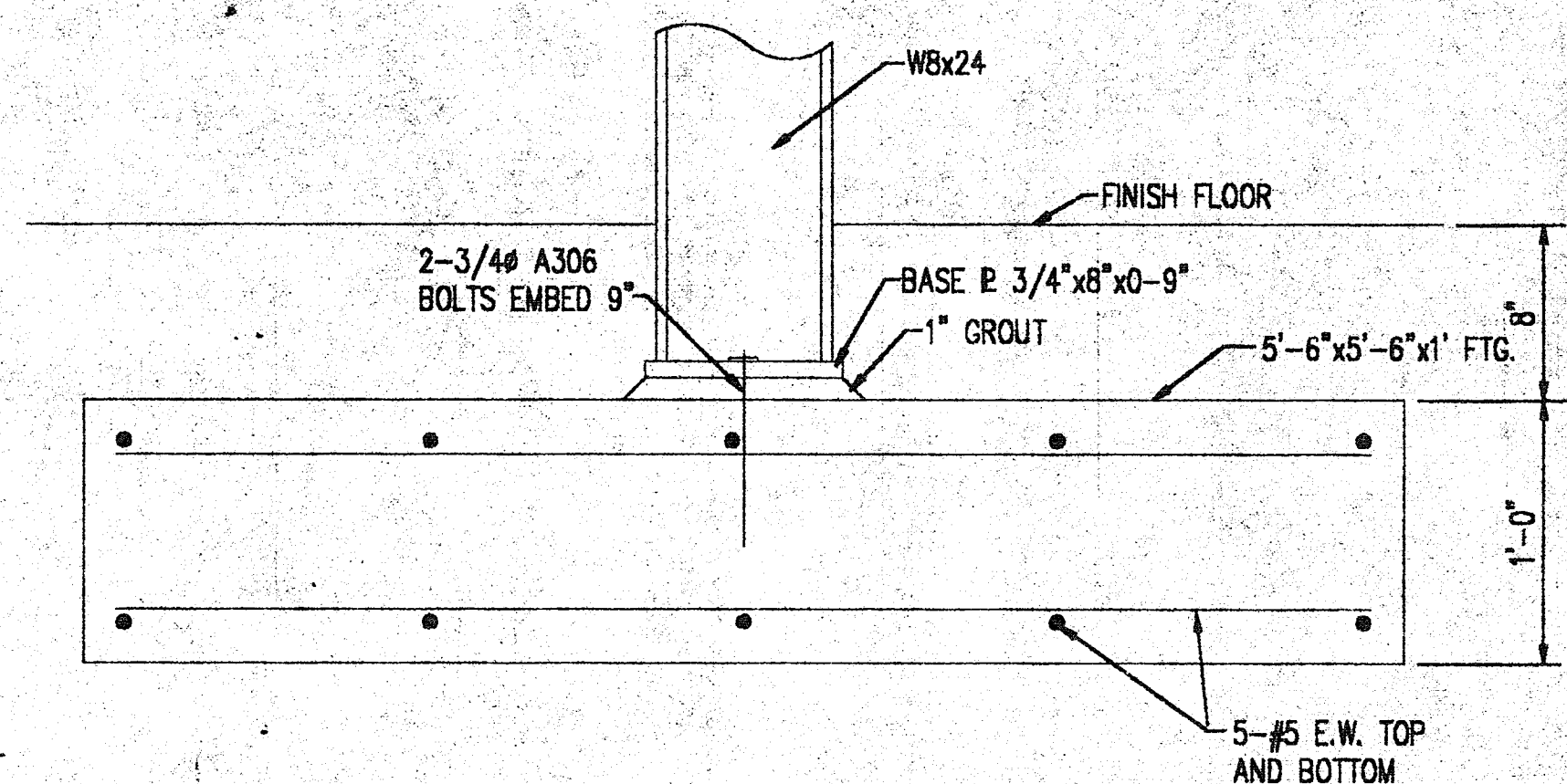
THE DETAILING, FABRICATION, AND ERECTION OF ALL STEEL JOISTS SHALL CONFORM TO THE SJI SPECIFICATION FOR OPEN WEB STEEL JOISTS.

JOISTS SHALL BE CONNECTED AT EACH END BY WELDING TO STEEL SUPPORTS OR WITH MASONRY ANCHORS OR BOLTS. JOISTS SHALL BEAR AT LEAST 8 INCHES ON MASONRY OR CONCRETE AND 2 1/2 INCHES ON STEEL.

ROOF LOAD:
DEAD LOAD 20 PSF
LIVE LOAD 23 PSF

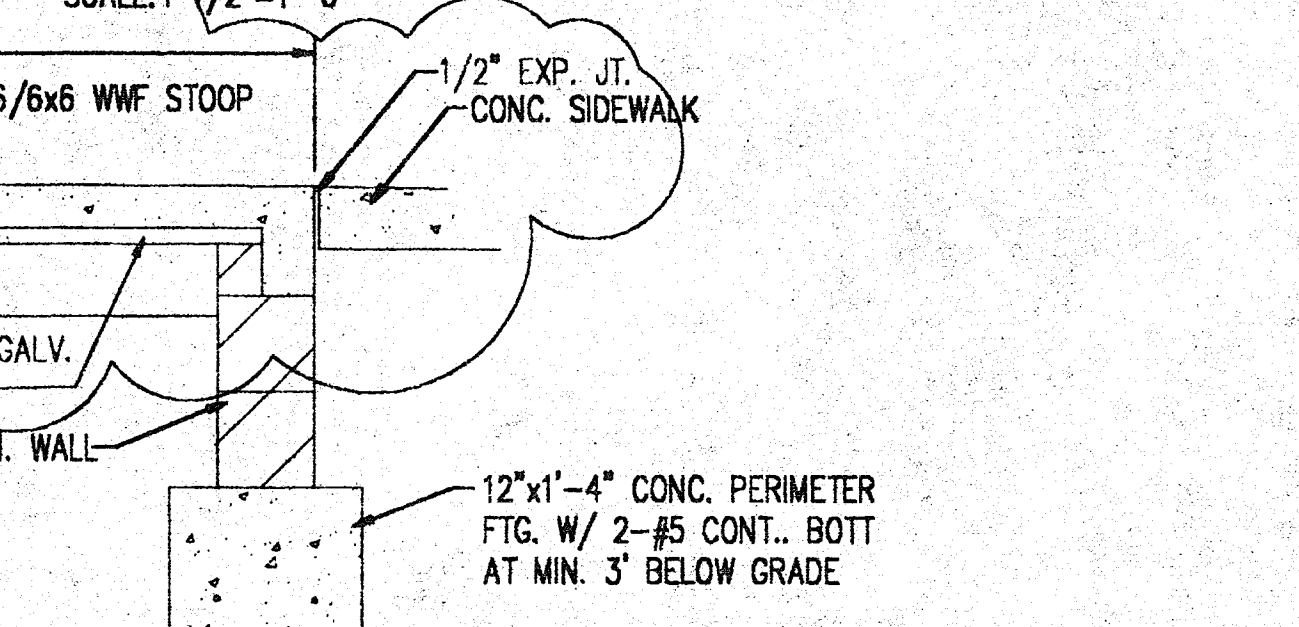
FOOTING DETAIL F-1

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



FOOTING DETAIL F-2

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



FOUNDATION DRAWING

REESE BROTHERS INC
WALES ROAD INDUSTRIAL COMMUNITY
LOT #18 WALES RD.
NORTHWOOD, OH.

developed by: McNeerley & Son Inc. (419) 666-0200

DRAWN BY:	C.L.	CHECKED BY:	MTI
PROJECT NO. DATE:	97011	7/18/97	
DATE/REVISION:			
	7/28/97		
	8/18/97		
	9/23/97		
	11/4/97		

C-1

OF DRAWINGS

architecture
by
design
© architecture by design, 1997

(419) 539-9001

350 S. Reynolds Road Toledo, Ohio 43615

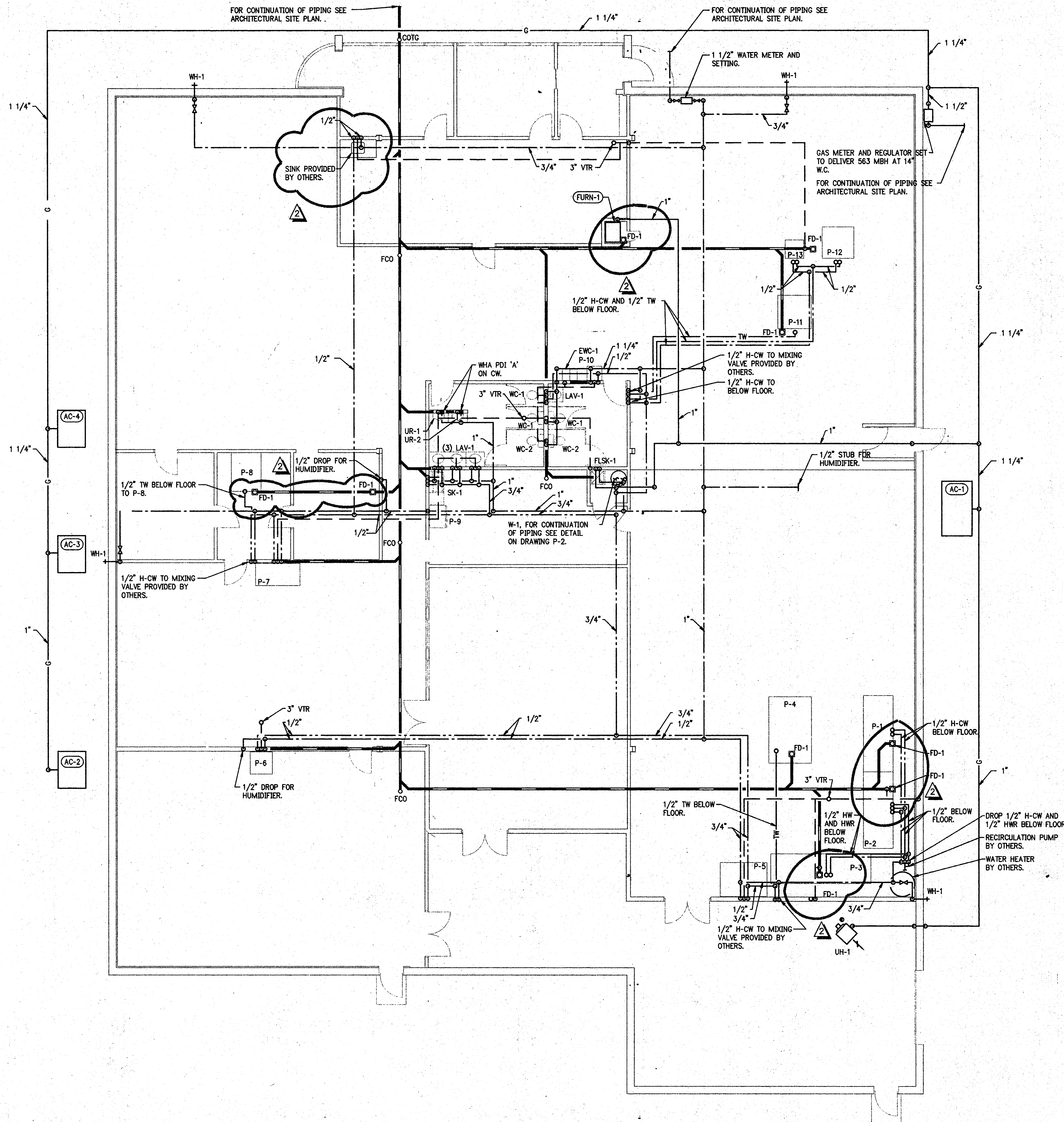
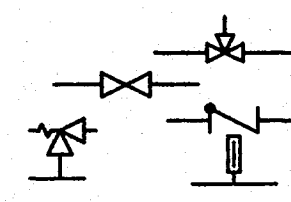
PLUMBING FIXTURE SCHEDULE						
DESCRIPTION	SYMBOL	CW	HW	WASTE	VENT	TEMPERED WATER
WATER CLOSET - FLOOR SET - TANK TYPE	WC-1	1/2"	---	4"	2"	---
WATER CLOSET - FLOOR SET - TANK TYPE - (ADA)	WC-2	1/2"	---	4"	2"	---
URINAL - WALL HUNG - FLUSH VALVE	UR-1	1"	---	2"	1 1/2"	---
URINAL - WALL HUNG - FLUSH VALVE - (ADA)	UR-2	1"	---	2"	1 1/2"	---
LAVATORY - COUNTERTOP	LAV-1	1/2"	1/2"	1 1/2"	1 1/2"	---
ELECTRIC WATER COOLER - WALL HUNG - (ADA)	EW-1	1/2"	---	1 1/2"	1 1/2"	---
FLOOR SINK - FLOOR SET - 24" x 24"	FLSK-1	1/2"	1/2"	3"	1 1/2"	---
SINK - DOUBLE COMPARTMENT - STAINLESS STEEL	SK-1	1/2"	1/2"	1 1/2"	1 1/2"	---
FLOOR DRAIN	FD-1	---	---	4"	2"	---
PDI DEVELOPER	P-1	1/2"	---	TO FD-1	---	---
PDI DEVELOPER	P-1	1/2"	---	TO FD-1	---	---
PDI DEVELOPER	P-1	1/2"	1/2"	TO FD-1	---	---
PDI ETCHER	P-2	1/2"	1/2"	TO FD-1	---	---
PDI STENCIL REMOVER	P-3	---	1/2"	TO FD-1	---	---
POLYCHROM PLATE PROCESSOR	P-4	---	---	TO FD-1	---	1/2"
PLATE WASHOFF SINK	P-5	1/2"	1/2"	1 1/2"	1 1/2"	---
SINK	P-6	1/2"	1/2"	1 1/2"	1 1/2"	---
PROCESSOR SINK	P-7	1/2"	1/2"	1 1/2"	1 1/2"	---
FILM PROCESSOR	P-8	---	---	TO FD-1	---	1/2"
REFRIGERATOR WITH ICE MAKER	P-9	1/2"	---	---	---	---
SINK	P-10	1/2"	1/2"	1 1/2"	1 1/2"	---
FILM PROCESSOR	P-11	---	---	TO FD-1	---	1/2"
PROCESSOR	P-12	1/2"	1/2"	TO FD-1	---	---
PROCESSOR	P-13	1/2"	1/2"	TO FD-1	---	---

ALL FIXTURES AND UNITS PRECEDED BY THE LETTER P SHALL BE FURNISHED BY OWNER OR ANOTHER TRADE CONTRACTOR. PLUMBING CONTRACTOR TO ROUGHIN FOR, INSTALL AND MAKE ALL FINAL CONNECTIONS. PROVIDE TRAPS, SUPPLIES, ETC. TO MAKE EQUIPMENT OPERABLE.

PLUMBING LEGEND

SOIL, WASTE OR SANITARY SEWER - BELOW FLOOR
 VENT
 DOMESTIC COLD WATER
 DOMESTIC HOT WATER
 DOMESTIC HOT WATER RECIRCULATING
 TEMPERED WATER
 NATURAL GAS
 WATER HAMMER ARRESTER
 PLUMBING DRAINAGE INSTITUTE "SIZE"
 VENT THRU ROOF
 FLOOR CLEANOUT
 WALL HYDRANT
 MIXING VALVE
 SHUTOFF VALVE
 CHECK VALVE
 RELIEF VALVE
 THERMOMETER

SAN
 V
 CW
 HW
 HWR
 TW
 G
 WHA
 PDI
 VTR
 FCO
 WH



FLOOR PLAN - PLUMBING

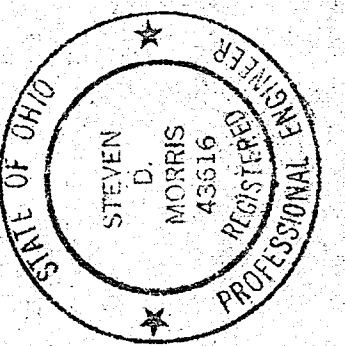
- NOTE: SCALE: 1/8"=1'-0"
- ALL FLOOR DRAINS TO BE PROVIDED WITH AUTOMATIC TRAP PRIMERS.
 - PLUMBING CONTRACTOR TO COORDINATE EQUIPMENT LOCATIONS WITH OWNER.
 - FLOOR DRAIN LOCATIONS TO BE VERIFIED BY CONTRACTOR BEFORE INSTALLATION.



FLOOR PLAN - PLUMBING

JDRM ENGINEERING, INC.
 MECHANICAL • ELECTRICAL • TELECOMMUNICATIONS
 5604 N. Main St. Suite 200
 Sylvania, Ohio 43560
 Ph. (419) 824-2400
 Fax (419) 824-2409

REECE BROTHERS PRINTING
 WALES ROAD INDUSTRIAL COMMUNITY
 LOT #8 WALES RD.
 NORTHWOOD, OH.
 developed by: McNERNEY & SON, INC. (419) 666-0200



REV No

REVISIONS FOR BULLETIN #3
 REVISIONS FOR BULLETIN #2

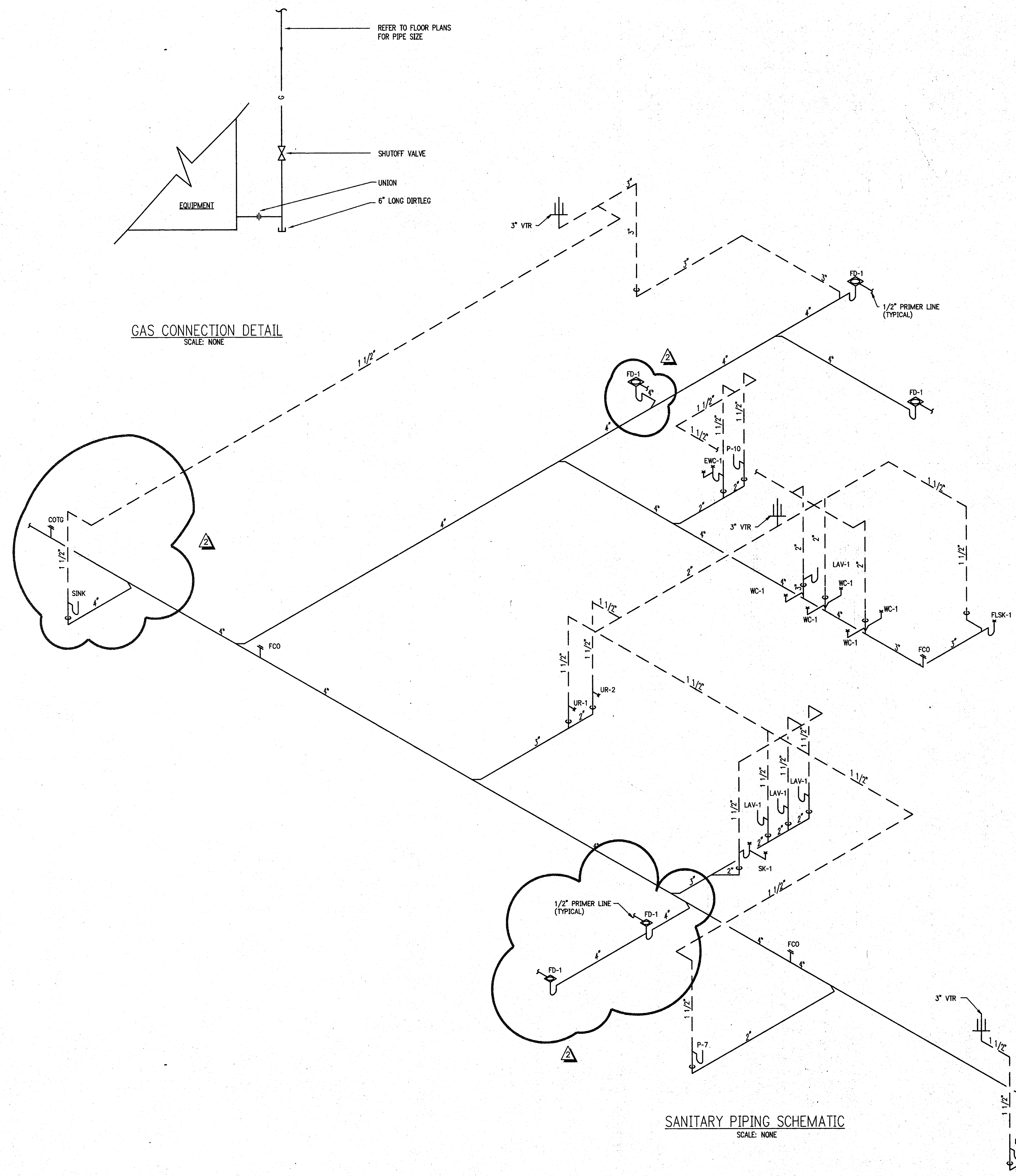
ISSUE

DATE

SHEET

P-1

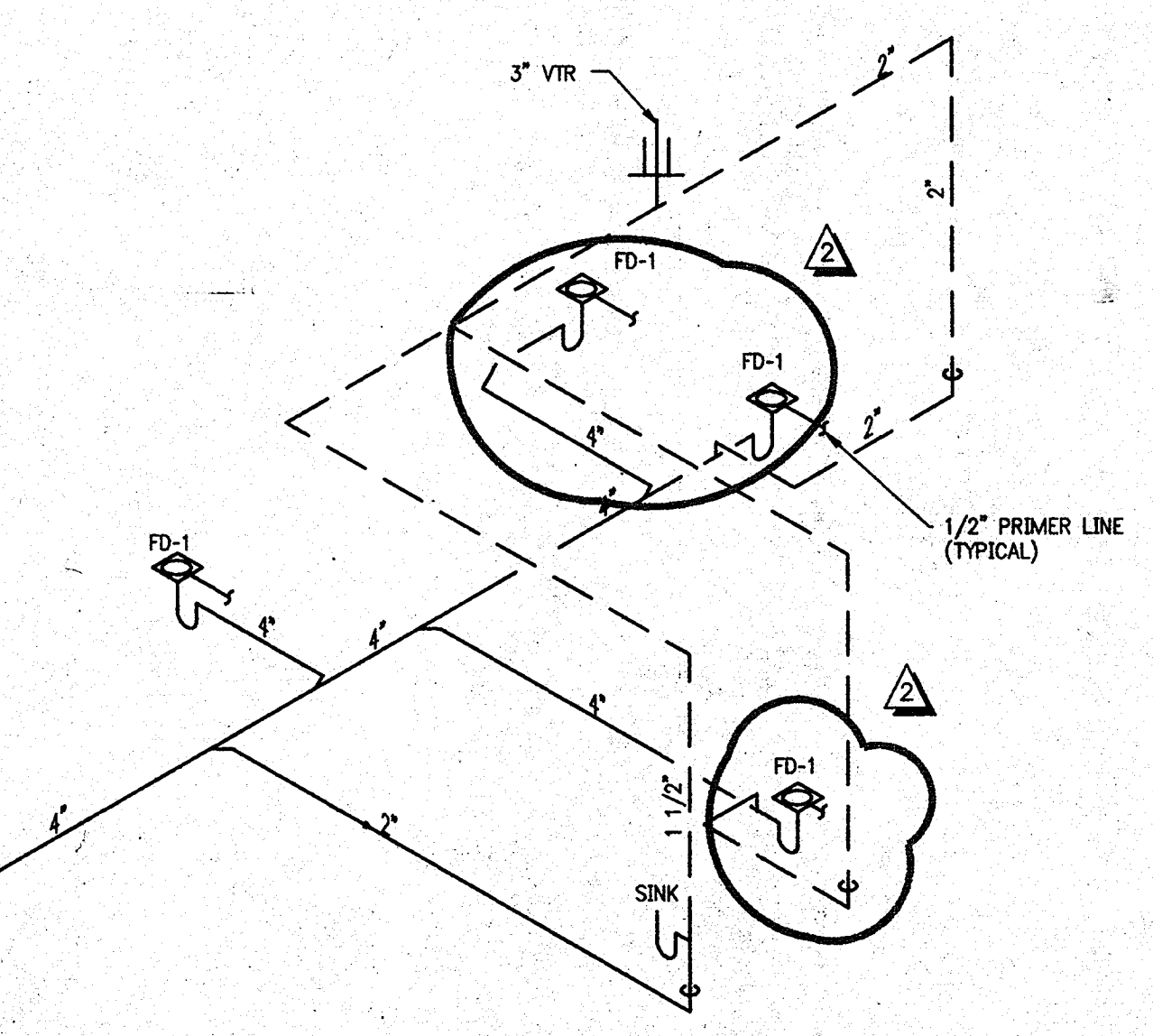
PLOT DATE: 11/14/97 DWG FILE: JD705P2.DWG/AD705XTB.dwg TMS
PLOT TIME: 11:33:17 REVISED: 11/14/97



GAS CONNECTION DETAIL
SCALE: NONE

WATER HEATER PIPING DIAGRAM
GAS FIRED
SCALE: NONE

GAS WATER HEATER								
SCHEDULE BASED ON LOCHINVAR								
NO.	DIA.	HEIGHT	STORAGE GALLONS	FLUE SIZE	BTU INPUT	EWI °F	LWT °F	RECOVERY GPH
W-1	25"	69"	75	4"	75,000	40	140	68
REMARKS								MODEL NO. ETN075

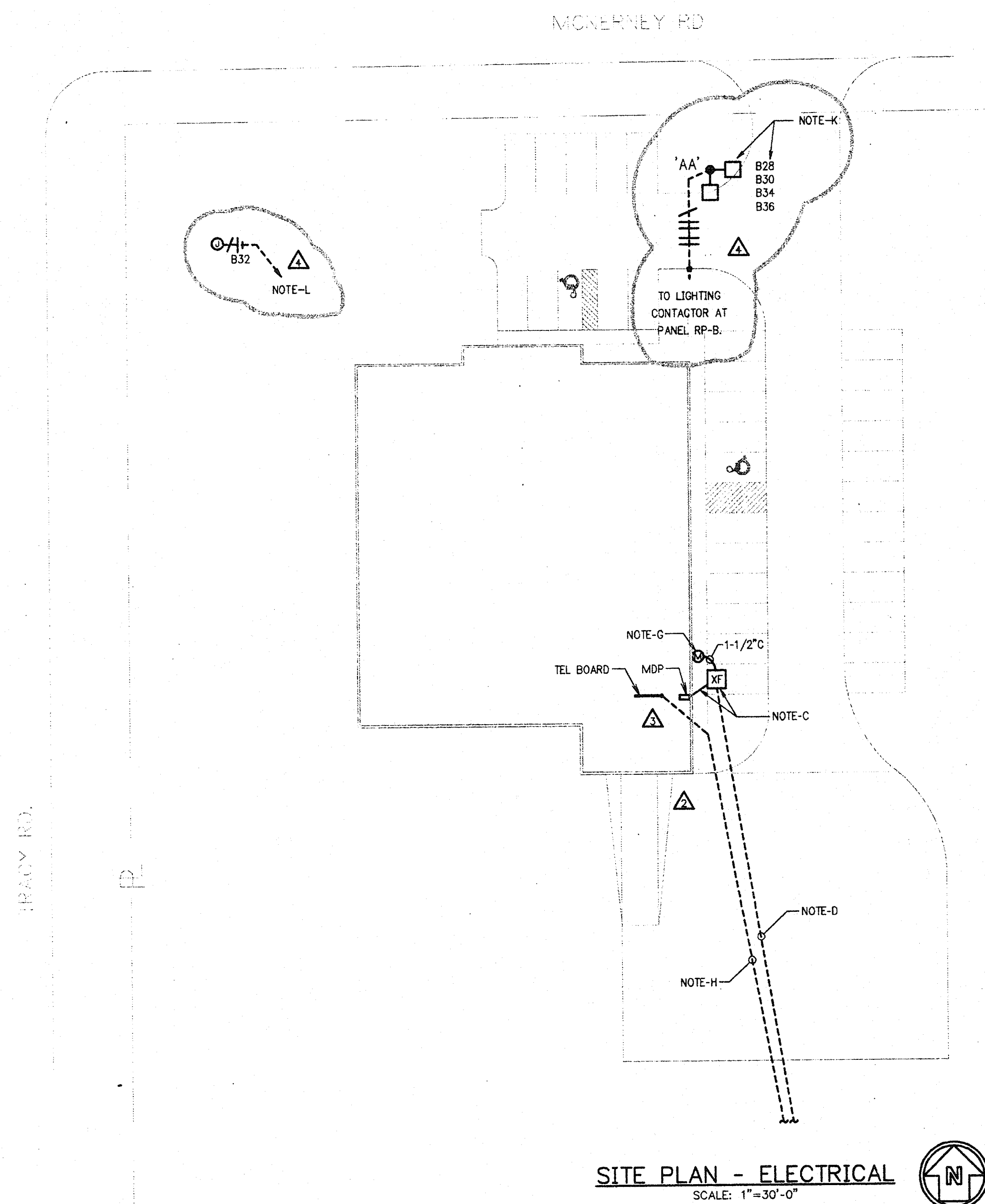


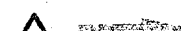
SANITARY PIPING SCHEMATIC
SCALE: NONE

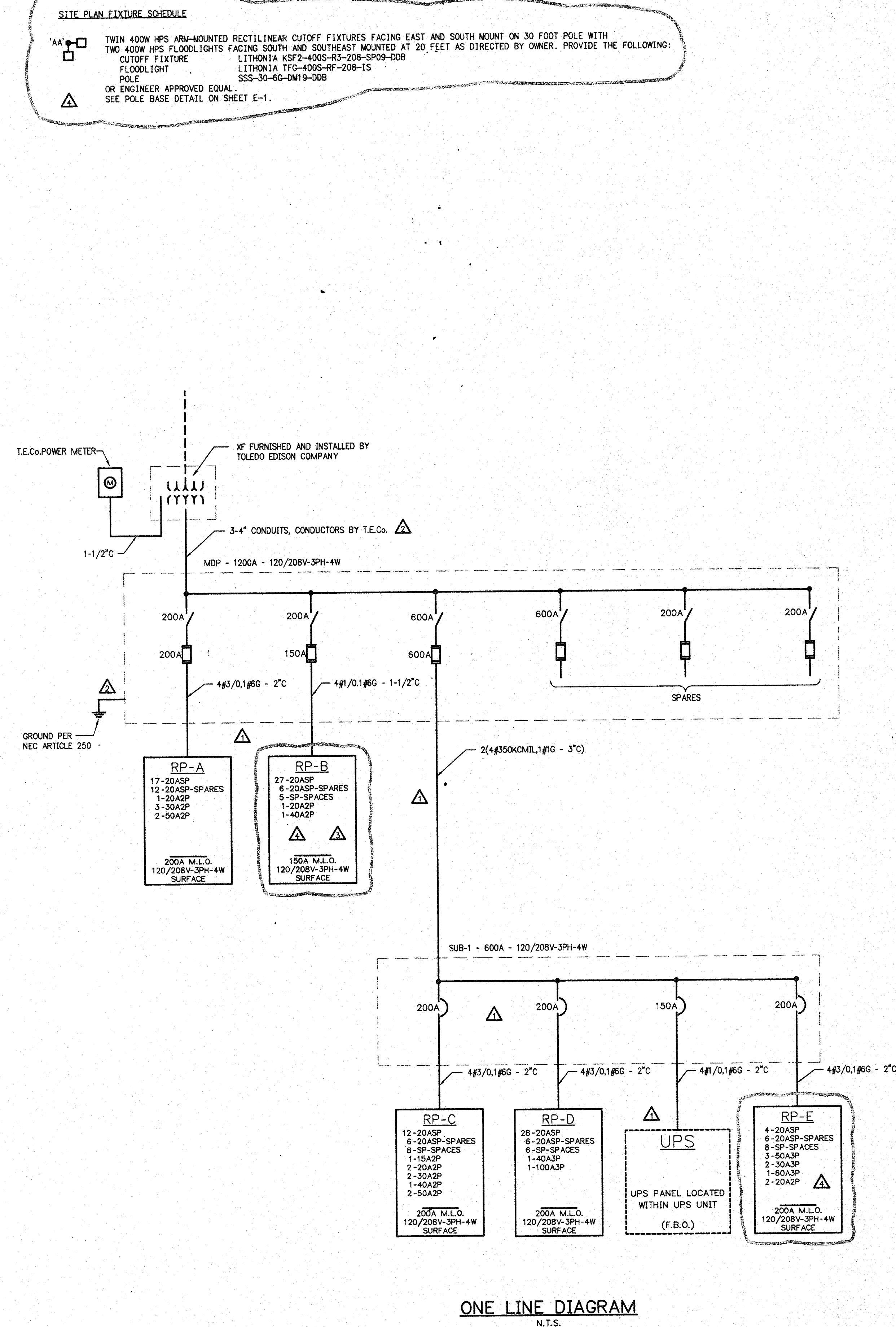
© Copyright 1997 This drawing and all information contained herein is the exclusive property of JDRM Engineering, Inc. and is not to be copied or used in any way without the express written consent of JDRM Engineering, Inc. and must be returned upon request.

SANITARY PIPING SCHEMATIC AND DETAILS		JDRM ENGINEERING, INC.		RECEIVED	
JOB NO: JD705		DR. BY: RIG		STEVEN D. MORRIS	
OK BY: SDM		APPROVED BY: SDM		REGISTERED PROFESSIONAL	
SCALE: AS NOTED		DATE: -		REV NO	
SHEET		P-2		ISSUE	
DATE: 11-13-97		REVISIONS FOR BULLETIN #3		REVISIONS FOR BULLETIN #2	
DATE: 11-8-97		DATE: 11-8-97		DATE: 11-8-97	

REECE BROTHERS PRINTING
WALES ROAD INDUSTRIAL COMMUNITY
LOT #8 WALES RD.
NORTHWOOD, OH.
developed by: McNERNEY & SON, INC. (419) 666-0200



- SITE PLAN NOTES:
- A. THE ELECTRICAL CONTRACTOR SHALL PERFORM ALL SERVICE WORK IN ACCORDANCE WITH TOLEDO Edison COMPANY (T.E. CO.) AND AMERITECH TELEPHONE COMPANY (A.T. CO.) SPECIFICATIONS AND PER APPROVED UTILITY COMPANY ENGINEERED WORK ORDER.
 - B. THE ELECTRICAL CONTRACTOR SHALL INCLUDE ALL UTILITY COMPANY SERVICE CHARGES IN THEIR BID.
 - C. CONCRETE TRANSFORMER PAD, SECONDARY CONDUITS, AND PRIMARY CONDUIT BY ELECTRIC CONTRACTOR PER T.E.CO. SPECIFICATIONS.
 - D. INSTALL ONE 4" SCHEDULE 40 PVC CONDUIT TO SOUTH PROPERTY LINE FOR PRIMARY CONDUCTORS. FROM SOUTH PROPERTY LINE, COORDINATE WITH T.E.CO. EXACT LATERAL POLE LOCATION AND CONTINUE RUN TO POLE AS REQUIRED.
 - E. STUB ONE 4" SCHEDULE 40 PVC CONDUIT FOR FUTURE.
 - F. INSTALL THREE (3) 3-1/2" PVC SCHEDULE 40 CONDUITS FOR SECONDARY CONDUCTORS. CONDUCTORS FURNISHED BY T.E. CO. INSTALLED BY CONTRACTOR. CONTRACTOR SHALL PICK UP CABLES AT T.E. CO. WAREHOUSE.
 - G. T.E. CO. METER. VERIFY LOCATION.
 - H. INSTALL ONE (1) 3" SCHEDULE 40 PVC CONDUIT UNDERGROUND FOR TELEPHONE. EXTEND CONDUIT TO SOUTH PROPERTY LINE. STUB CONDUIT 2' ABOVE GRADE AT PROPERTY LINE.
 - I. ALL UNDERGROUND CONDUITS SHALL BE A MINIMUM OF 36" BELOW GRADE TO TOP OF CONDUIT. ALL CONDUITS OVER DRAINAGE OR PARKING LOTS OR OTHER VEHICULAR TRAFFIC AREAS SHALL BE FULL WEIGHT RIGID GALVANIZED STEEL CONDUIT OR SCHEDULE 40 PVC ENCASED IN CONCRETE.
 - J. ALL EXTERIOR CONDUIT 1" MINIMUM.
 - K.  OUTLET FIXTURES TO BE SWITCHED BY CONTACTOR/PHOTOCELL THROUGH CIRCUITS 'B28' AND 'B30'. FLOODLIGHTS ARE TO BE SWITCHED IN GENERAL OFFICE 102 AS SHOWN ON SHEET E-3 AND ARE TO BE WIRED TO CIRCUITS 'B34' AND 'B36'.
 - L.  PROVIDE CIRCUIT AND STUB/CAP CONDUIT FOR SIGN LIGHT. WIRE TO CIRCUIT 'B37' AND PROVIDE SWITCH IN GENERAL OFFICE 102 AS SHOWN ON SHEET E-3. VERIFY EXIST STUB LOCATION WITH OWNER PRIOR TO INSTALLATION.



△	BULLETIN #3	11-13-97
△	BULLETIN #2	11-6-97
△	APPENDUM #2	8-1-97
△	APPENDUM #1	7-31-97
REV. NO.		DATE
		ISSUE

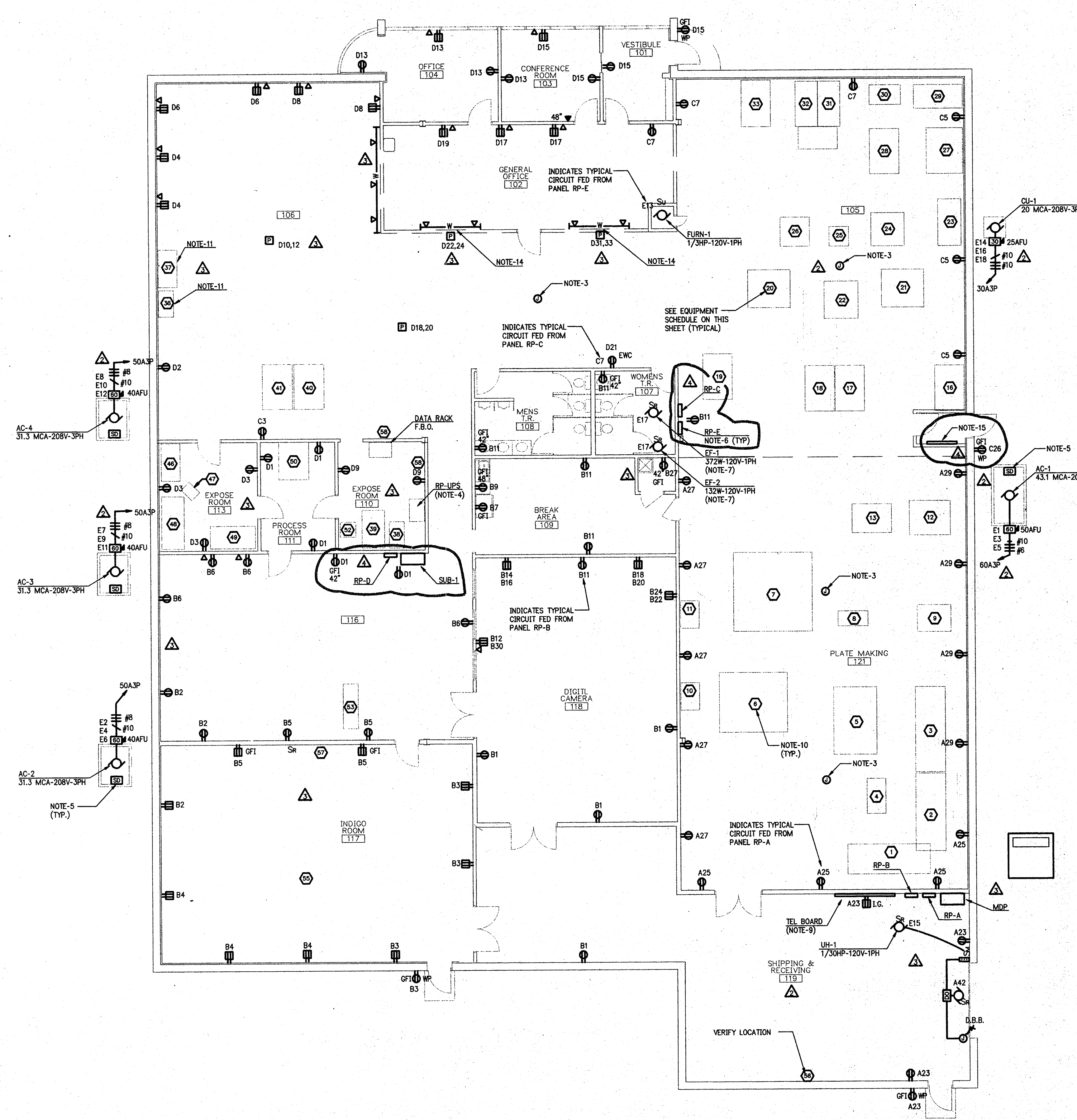
REECE BROTHERS PRINTING
WALES ROAD INDUSTRIAL COMMUNITY
LOT #8 WALES RD.
NORTHMOOD, OH.
developed by McNERNEY & SON, INC. (414)666-0200

E-2	SITE PLAN & ONE LINE DIAGRAM	
	JOB NO.: JD705	
	CR. BY: DGF	
	OK BY: DAD	
	APR. BY: LTJ	
MECHANICAL & ELECTRICAL • TELECOMMUNICATIONS		
SCALE: AS NOTED	5804 N. Main St., Suite 200 Sylvania, Ohio 43560	Ph. (419) 824-2400 Fax (419) 824-2409
DATE: 7/22/87		
4		



- © Copyright 1997 This drawing and all information contained herein is the exclusive property of JDRM Engineering, Inc. and is not to be copied or used in any way without the express written consent of JDRM Engineering, Inc. and must be returned upon request.

PLT DATE: 11/14/97 DWG FILE: J:\J05EPI.DWG J:\J05EPI.DWG J:\J05EPI.DWG
PLT TIME: 10:12:46 REVISED: 11/14/97



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



EQUIPMENT SCHEDULE									
MARK	DESCRIPTION	VOLTAGE	FED FROM	FEEDER SIZE	CIRCUIT NUMBER	BREAKER	FUSE	REMARKS	
1	PDI STENCIL REMOVER	208V-1PH	RP-A	3#10,1#10G - 3/4"C	A1,3	30A2P			
2	PDI STENCIL REMOVER	208V-1PH	RP-A	3#10,1#10G - 3/4"C	A5,7	30A2P			
3	PDI STENCIL REMOVER	208V-1PH	RP-A	3#10,1#10G - 3/4"C	A8,11	30A2P			
4	PLATE INSPECTION	120V-1PH	RP-A	2#12,1#12G - 3/4"C	A13	20ASP			
5	POLYROM PLATE PROCESSOR	208V-1PH	RP-A	3#12,1#12G - 3/4"C	A15,17	20A2P			
6	PHOTO COMPOSING MACHINE	208V-1PH	RP-A	3#8,1#10G - 1"C	A2,4	50A2P			
7	PHOTO COMPOSING MACHINE	208V-1PH	RP-A	3#8,1#10G - 1"C	A6,8	50A2P			
8	LIGHT TABLE	120V-1PH	RP-A	2#12,1#12G - 3/4"C	A19	20ASP		(NOTE-8)	
9	CONTACT SM FRAME	208V-1PH	RP-A	3#12,1#12G - 3/4"C	A14,16	20A2P			
10	LOOKUP	120V-1PH	RP-A	2#12,1#12G - 3/4"C	A21	20ASP		DUPLEX WALL RECEPTACLE, PLATEMAKING	
11	LOOKUP	120V-1PH	RP-A	2#12,1#12G - 3/4"C	A23	20ASP		DUPLEX WALL RECEPTACLE, PLATEMAKING	
12	CONTACT LG FRAME	208V-1PH	RP-A	3#8,1#10G - 1"C	A10,12	50A2P			
13	LIGHT TABLE	120V-1PH	RP-A	2#12,1#12G - 3/4"C	A19	20ASP		(NOTE-8)	
16	STRIPPING TABLE	120V-1PH	RP-C	2#12,1#12G - 3/4"C	C1	20ASP		DUPLEX WALL OUTLET, ROOM 105	
17	STRIPPING TABLE	120V-1PH	RP-C	2#12,1#12G - 3/4"C	C1	20ASP			
18	STRIPPING TABLE	120V-1PH	RP-C	2#12,1#12G - 3/4"C	C3	20ASP			
19	STRIPPING TABLE	120V-1PH	RP-C	2#12,1#12G - 3/4"C	C3	20ASP			
20	SACK CONTACT FRAME	208V-1PH	RP-C	3#10,1#10G - 3/4"C	C8,11	30A2P			
21	SACK CONTACT FRAME	208V-1PH	RP-C	3#10,1#10G - 3/4"C	C13,15	30A2P			
22	37" FILM PROCESSOR	208V-1PH	RP-C	3#8,1#10G - 1"C	C17,19	40A2P			
23	L. TABLE	120V-1PH	RP-C	2#12,1#12G - 3/4"C	C21	20ASP		TWO DUPLEX WALL RECEPTACLES, ROOM 105	
24	MPIII PROCESSOR	220V-1PH	RP-C	3#12,1#12G - 3/4"C	C23,25	20A2P			
25	PROCESSOR	120V-1PH	RP-C	2#12,1#12G - 3/4"C	C27	20ASP			
26	MPIII LAMINATOR	220V-1PH	RP-C	3#12,1#12G - 3/4"C	C2,4	15ASP			
27	CROMALIN ATM II	220V-1PH	RP-C	3#12,1#12G - 3/4"C	C8,8	20A2P			
28	LIGHT TABLE	120V-1PH	RP-C	2#12,1#12G - 3/4"C	C21	20ASP		(NOTE-8)	
29	CROMALIN TONING TABLE	120V-1PH	RP-C	2#12,1#12G - 3/4"C	C14	20ASP		DUPLEX WALL RECEPTACLE, ROOM 105	
30	PRINT PROCESSOR	120V-1PH	RP-C	2#12,1#12G - 3/4"C	C14	20ASP		DUPLEX WALL RECEPTACLE, ROOM 105	
31	PROOFING EXPOSING	220V-1PH	RP-C	3#8,1#10G - 1"C	C16,18	50A2P			
32	PROOFING EXPOSING	220V-1PH	RP-C	3#8,1#10G - 1"C	C20,22	50A2P			
33	LIGHT TABLE	120V-1PH	RP-C	2#12,1#12G - 3/4"C	C24	20ASP		(NOTE-8)	
36	400PS	120V-1PH	RP-UPS	2#12,1#12G - 3/4"C	U1	20ASP		(NOTE-12)	
37	STAT PS	120V-1PH	RP-UPS	2#12,1#12G - 3/4"C	U3	20ASP		(NOTE-12)	
38	DOLEY 400	120V-1PH	RP-UPS	2#12,1#12G - 3/4"C	U5	20ASP		(NOTE-12)	
39	DOLEY 800	120V-1PH	RP-UPS	2#12,1#12G - 3/4"C	U7	20ASP		(NOTE-12)	
40	LIGHT TABLE	120V-1PH	RP-D	2#12,1#12G - 3/4"C	D3	20ASP		(NOTE-8) KELLEEM GRIPS	
41	LIGHT TABLE	120V-1PH	RP-D	2#12,1#12G - 3/4"C	D3	20ASP		(NOTE-8) KELLEEM GRIPS	
42									
43									
44									
45									
46	IMAGE SERVER	120V-1PH	RP-D	2#12,1#12G - 3/4"C	D2	20ASP		DUPLEX WALL RECEPTACLE	
47		120V-1PH	RP-UPS	2#12,1#12G - 3/4"C	U6	20ASP		(NOTE-12)	
48	636 ANALYZER	120V-1PH	RP-UPS	2#12,1#12G - 3/4"C	U8	20ASP			
49	638E EXPOSE	120V-1PH	RP-UPS	2#12,1#12G - 3/4"C	U10,12	20A2P			
50	37" FILM PROCESSOR	220V-3PH	RP-D	3#8,1#10G - 1"C	D7,9,11	40A3P		KELLEEM GRIP AT CORNER	
51									
52	DATA RACK	120V-1PH	RP-UPS	2#12,1#12G - 1"C	U15	20ASP		DOUBLE DUPLEX OUTLET WITH ISOLATED GROUND	
53	LASERMASTER LAMINATOR	220V-1PH	DP-2-D	3#12 & 1#12G - 3/4"C	B13,15	20A2P			
54									
55	INDIGO PROCESSOR	220V-1PH	RP-UPS	3#8,1#10G - 1"C	U13,U15	50A2P			
56	BATTERY CHARGER	220V-1PH	RP-E	4#10,1#10G - 1"C	E19,21,23	30ASP			
57	HUMIDIFIER	220V-1PH	RP-E	3#12,1#12G 1/2"C	E20,22	20ASP			
58	HUMIDIFIER	220V-1PH	RP-E	3#12,1#12G 1/2"C	E24,26	20ASP			

- PLAN NOTES
1. FEEDS FOR EQUIPMENT INDICATED ARE TO BE WITH 'SO' CORD DROPS WITH KELLEEM GRIP AT TOP AND AT EQUIPMENT, UNLESS OTHERWISE NOTED.
 2. FEEDS FOR EQUIPMENT INDICATED ARE TO BE FED FROM POWER POLE AS REQUIRED UNLESS EQUIPMENT CAN BE ACCESSED FROM WALL, UNLESS OTHERWISE NOTED. POWER POLES ARE TO BE 4" X 4" SQUARE D CLASS 5100, LENGTH AS REQUIRED.
 3. CONTRACTOR TO SUB FOUR (4) 120V-20ASP CIRCUITS FROM LOCAL PANEL TO JUNCTION BOX MOUNTED AT CEILING.
 4. UPS AND RP-UPS ARE TO BE FURNISHED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR. VERIFY EXACT LOCATION WITH OWNER.
 5. CONTRACTOR TO LOCATE SMOKE DUCT DETECTORS IN RETURN SIDE OF UNIT AT ENTRANCE TO BUILDING. COORDINATE WITH MECHANICAL CONTRACTOR. SUPPLY 120V CIRCUIT FROM RP-E AS REQUIRED FOR ALL SMOKE DUCT DETECTOR CONNECTIONS.
 6. CONTRACTOR IS TO VERIFY ALL EQUIPMENT LOCATIONS PRIOR TO SETTING PANELS AND EQUIPMENT HOOKUP. IF ANY EQUIPMENT IS RELOCATED TO WITHIN 3'-0" OF FRONT OF RP, SUB, OR MDP PANELS CONTRACTOR IS TO RELOCATE PANEL OR EQUIPMENT AS DIRECTED BY OWNER AND ENGINEER.
 7. CONTRACTOR TO SUPPLY MANUAL MOTOR STARTERS WITH EXHAUST FANS 'EF-1' AND 'EF-2' MOUNT AS DIRECTED BY OWNER.
 8. FEED LIGHT TABLES FROM BELOW FLOOR AS REQUIRED.
 9. PROVIDE 1#2 GROUND IN 3/4" CONDUIT FOR TELEPHONE BACKBOARD FROM MAIN SERVICE GROUND.
 10. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS. CONTRACTOR IS TO PROVIDE A DISCONNECT ON ANY EQUIPMENT WHICH DOES NOT HAVE A DISCONNECTING MEANS THAT CONFORMS TO NEC DEFINITION OF SUCH.
 11. VERIFY EXACT EQUIPMENT LOCATION WITH OWNER PRIOR TO INSTALLING RECEPTACLES.
 12. ALL DUPLEX RECEPTACLES POWERED FROM UPS ARE TO BE RED WITH A RED FACEPLATE.
 13. CONTRACTOR TO VERIFY EXACT LOCATION OF ALL EQUIPMENT PRIOR TO INSTALLATION OF ANY CONDUIT OR WIRE.
 14. PROVIDE OPENING AS REQUIRED THROUGH DEMOUNTABLE PARTITION TO FEED FLOOR MOUNTED WIREMOLD AS REQUIRED.
 15. CONTRACTOR TO FURNISH AND INSTALL ELECTRIC BASEBOARD HEATER. WIRE TO CIRCUIT 'E28' AND PROVIDE UNIT MOUNTED THERMOSTAT CONTROL AS REQUIRED. BASEBOARD HEATER TO BE BERKO BKO-2515W-MOD.

FLOOR PLAN - POWER

DR. BY: ATJ
OK BY: LTJ
APP. BY: LTJ
SCALE: AS NOTED

DATE: 11-13-97
BULLETIN #3
BULLETIN #2
ADDENDUM #2

RECE BROTHERS PRINTING
WALES ROAD INDUSTRIAL COMMUNITY
LOT #8 WALES RD.
NORTHMOOD, OH.
developed by: McNERNEY & SON, INC. (419)666-0200

JDRM ENGINEERING, INC.
MECHANICAL • ELECTRICAL • TELECOMMUNICATIONS
5604 N. Main St., Suite 200
Sylvania, Ohio 43560
Ph: (419) 824-2400
Fax: (419) 824-2409

DATE: 11-13-97
BULLETIN #3
BULLETIN #2
ADDENDUM #2

4

E-4