



THE LEGENDS OF MASSILLON

MASSILLON OHIO

FRANCIS H. CICCHINELLI JR.

MAYOR

ALAN W. CLIMER

DIRECTOR OF PUBLIC SERVICE AND SAFETY

LINDA GILL

GENERAL MANAGER

INDEX TO DRAWINGS			
ARCHITECTURAL DRAWINGS		FIRE PROTECTION DRAWINGS	
1	SITE PLAN	FP-1	LOWER AND MAIN LEVEL FIRE PROTECTION FLOOR PLAN
2	DEMOLITION PLANS; LOWER AND MAIN LEVEL FLOOR PLANS	MECHANICAL DRAWINGS	
3	ELEVATIONS; INTERIOR ELEVATIONS; SCHEDS.; REFLECTED CEILING PLAN	M-1	MECHANICAL DEMOLITION
4	WALL SECTIONS	M-2	HVAC SUPPLY DUCTWORK -MAIN FLOOR
5	WALL SECTIONS; BUILDING SECTION	M-3	HVAC RETURN DUCTWORK -MAIN FLOOR
	STRUCTURAL DRAWINGS	M-4	HVAC LOWER LEVEL & SCHEDULES
S-1	FOUNDATION PLAN; MAIN LEVEL FRAMING PLAN; ROOF FRAMING PLAN; DETAILS; NOTES	ELECTRICAL DRAWINGS	
	PLUMBING DRAWINGS	E-1	LIGHTING LOWER & MAIN LEVEL PLANS; LUMINARE SCHED.; GENERAL NOTES; LEGEND
P-1	SANITARY LOWER LEVEL FLOOR PLAN	E-2	POWER/SYSTEMS LOWER & MAIN LEVEL PLANS; PANEL SCHED.; SINGLE LINE DIAGRAM
P-2	SANITARY MAIN LEVEL FLOOR PLAN		
P-3	LOWER LEVEL PLUMBING PLAN		
P-4	MAIN LEVEL PLUMBING PLAN		
P-5	SANITARY STACK ISOMETRICS		
P-6	PLUMBING SCHEDULES AND DETAILS		

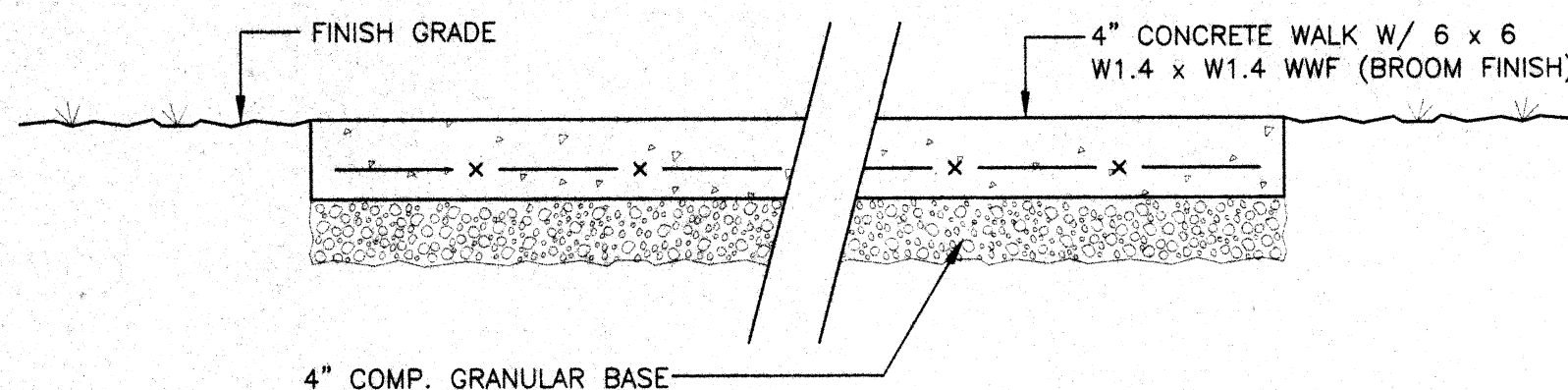
TROIKE-ROSTEDT ENGINEERING, INC.	STRUCTURAL ENGINEER
MDS & ASSOCIATES, INC.	MECHANICAL ENGINEER
PAHL ENGINEERING	ELECTRICAL ENGINEER

MOTTER & MEADOWS
ARCHITECTS

KEEP AT SITE

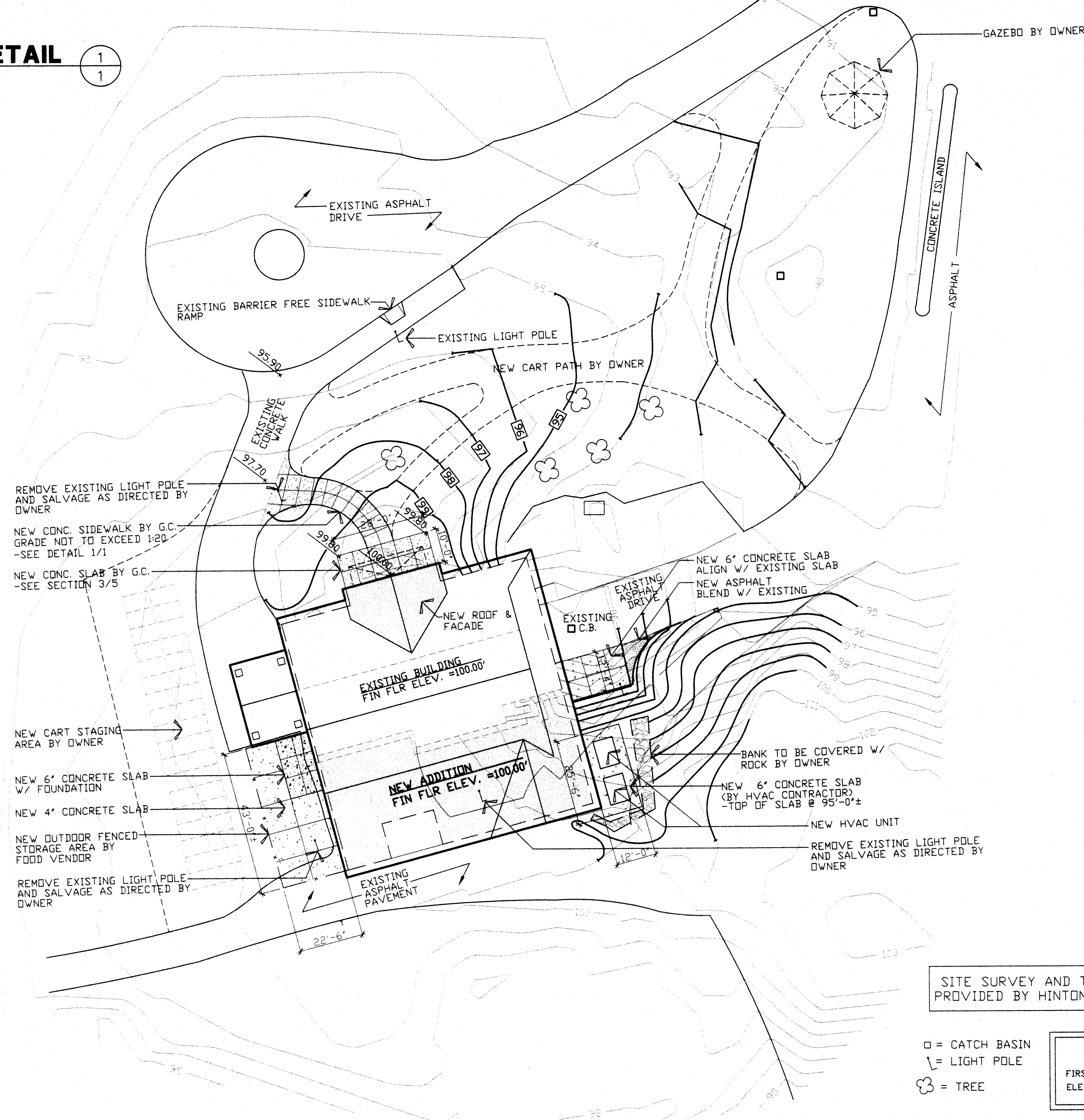
SET NO. _____

NOTE: PROVIDE 1/2" x 4" COMPRESSIBLE JOINT FILLER (FLEXCEL). EXPANSION JOINTS @ 20'-0" O.C. MAX. AS WELL AS AGAINST VERT. SURFACES & AT CHANGES IN DIRECTION & SECTION. TOOL ALL DUMMY JOINTS AS INDICATED ON PLAN



TYPICAL CONCRETE WALK DETAIL

1"=1'-0"



SITE SURVEY AND TOPOGRAPHY PROVIDED BY HINTON SURVEYING

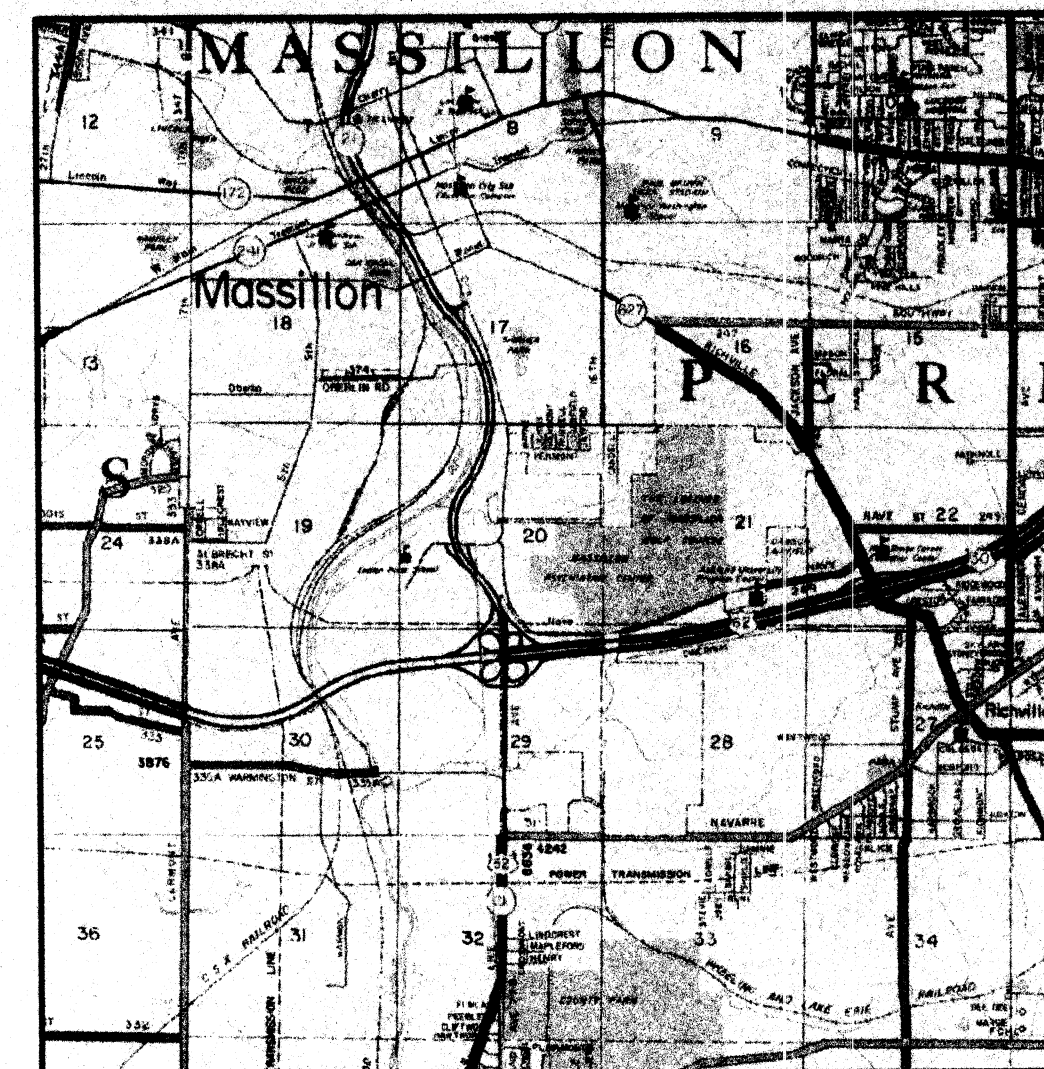
- = CATCH BASIN
- ⋈ = LIGHT POLE
- ⊙ = TREE

BENCH MARK:
FIRST FLOOR ASSUMED ELEVATION 100.00'

SITE PLAN

1"=20'-0"

GENERAL NOTE: GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFICATION OF EXISTING GRADING AS INDICATED TO CONSTRUCT NEW ADDITION. ALL SITE GRADING FOR CONSTRUCTION OF NEW WALKS AND CART PATHS SHALL BE COMPLETED BY CONTRACTOR ALL TOPSOIL AND PLANTING TO BE PROVIDED AND INSTALLED BY OWNER



VICINITY MAP

NO SCALE

ZONING

CITY OF MASSILLON, OHIO
A-1 AGRICULTURAL DISTRICT
BUILDING ADDITION IS TO AN EXISTING CLUBHOUSE AND STORAGE FACILITY FOR GOLF COURSE.
EXISTING PARKING IS ADEQUATE FOR REQUIRED SPACES FOR NEW ADDITION.

O.B.B.C.

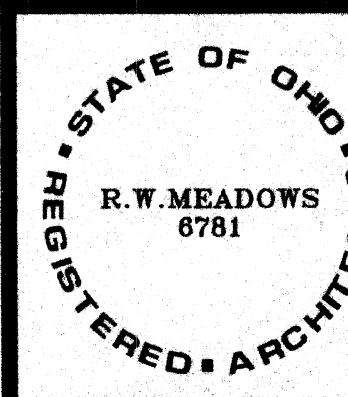
USE GROUP CLASSIFICATION	
EXISTING MAIN LEVEL:	M (Mercantile)
MAIN LEVEL ADDITION:	A-3 (Assembly)
EXISTING LOWER LEVEL:	A-3 (Assembly)
LOWER LEVEL ADDITION:	F-1 (Factory and Industrial, Moderate)
TYPE OF CONSTRUCTION	
EXISTING BUILDING:	S-2 (Storage, Low)
NEW ADDITION:	S-2 (Storage, Low)
ALLOWABLE BUILDING AREA	
PER TABLE 503:	4,200 S.F. PER FLOOR
BUILDING SHALL BE CLASSIFIED AS NON-SEPERATED MIXED USES PER 313.1.1, WITH CLASSIFICATION A-3 BEING MOST RESTRICTIVE.	
ALLOWABLE BUILDING AREA INCREASE PER 506.2	
100% BUILDING ACCESS ALLOWS	6,300 S.F. PER FLOOR
150% INCREASE:	10,500 S.F. PER FLOOR
TOTAL ALLOWABLE AREA	
ACTUAL BUILDING AREA	3,466 S.F. PER FLOOR
EXISTING BUILDING:	2,220 S.F. PER FLOOR
NEW ADDITION:	5,686 S.F. PER FLOOR
CALCULATED OCCUPANT LOAD PER 1008.1.2	
MAIN LEVEL:	A-3 (15 NET) 170 PERSONS
	M (30 GROSS) 35 PERSONS
	F-1 (100 GROSS) 9 PERSONS
TOTAL	214 PERSONS
LOWER LEVEL:	S-2 (200 GROSS) 28 PERSONS
ACTUAL OCCUPANT LOAD	
MAIN LEVEL:	A-3 160 PERSONS
	M 10 PERSONS
	F-1 8 PERSONS
TOTAL	178 PERSONS
LOWER LEVEL:	S-2 5 PERSONS
EXISTING LOWER LEVEL IS EQUIPPED WITH AN AUTOMATIC FIRE SUPPRESSION SYSTEM.	
NEW LOWER LEVEL ADDITION WILL BE EQUIPPED WITH AN AUTOMATIC FIRE SUPPRESSION SYSTEM.	
LIGHTED EXIT SIGNS SHALL BE PROVIDED COMPLYING WITH 1023.0	
MEANS OF EGRESS LIGHTING SHALL BE PROVIDED COMPLYING WITH 1024.0	

MOFFET & MEADOWS

ARCHITECT

... 1821 FULTON ROAD NW CANTON OHIO 44709

THE LEGENDS OF MASSILLON



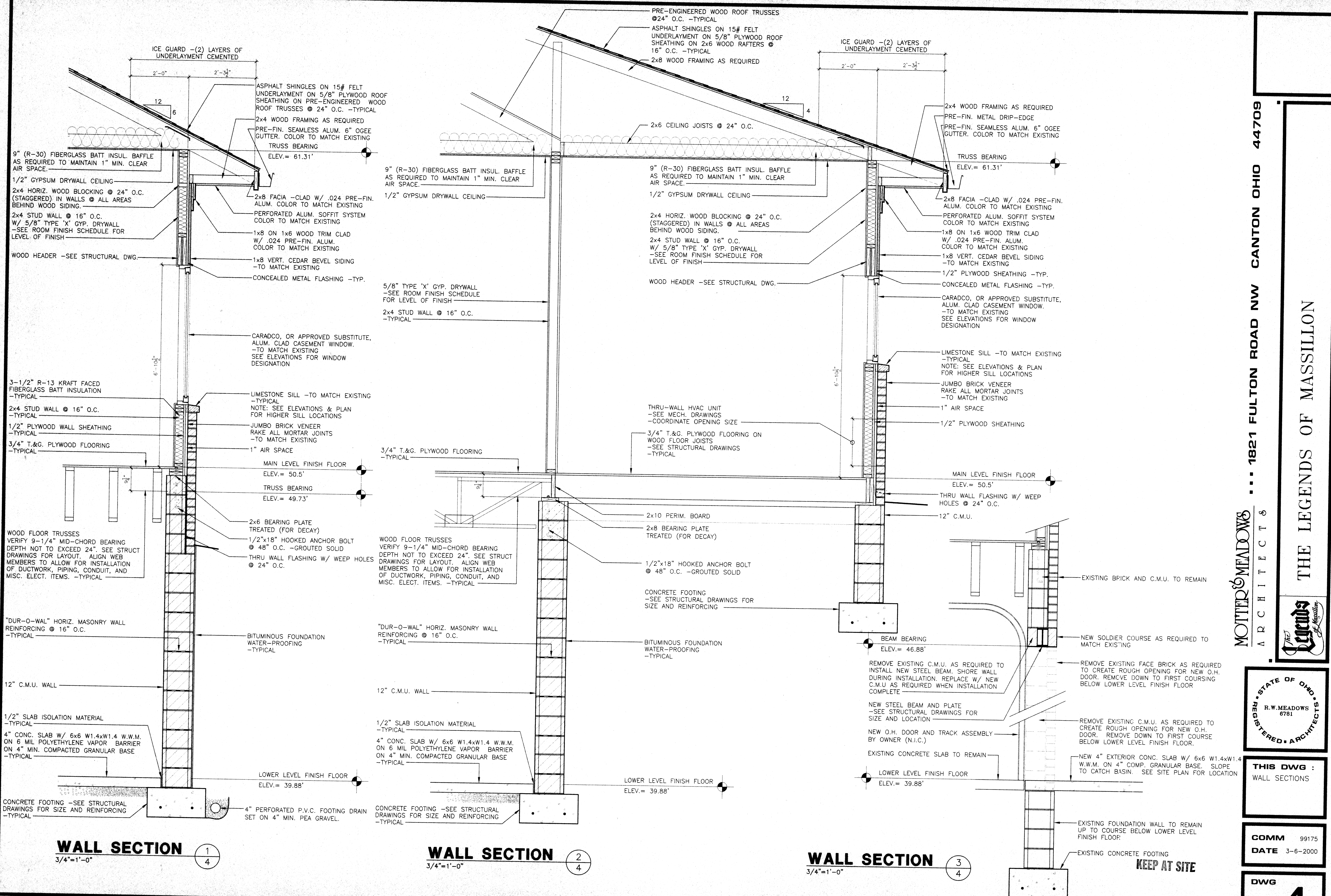
THIS DWG :
SITE PLAN

COMM 99175
DATE 3-6-2000

DWG

1

KEEP AT SITE



WALL SECTION
3/4"=1'-0"

1
4

WALL SECTION
3/4"=1'-0"

2
4

WALL SECTION
3/4"=1'-0"

3
4

... 1821 FULTON ROAD NW CANTON OHIO 44709

MOTTER & MEADOWS
ARCHITECTS

THE LEGENDS OF MASSILLON



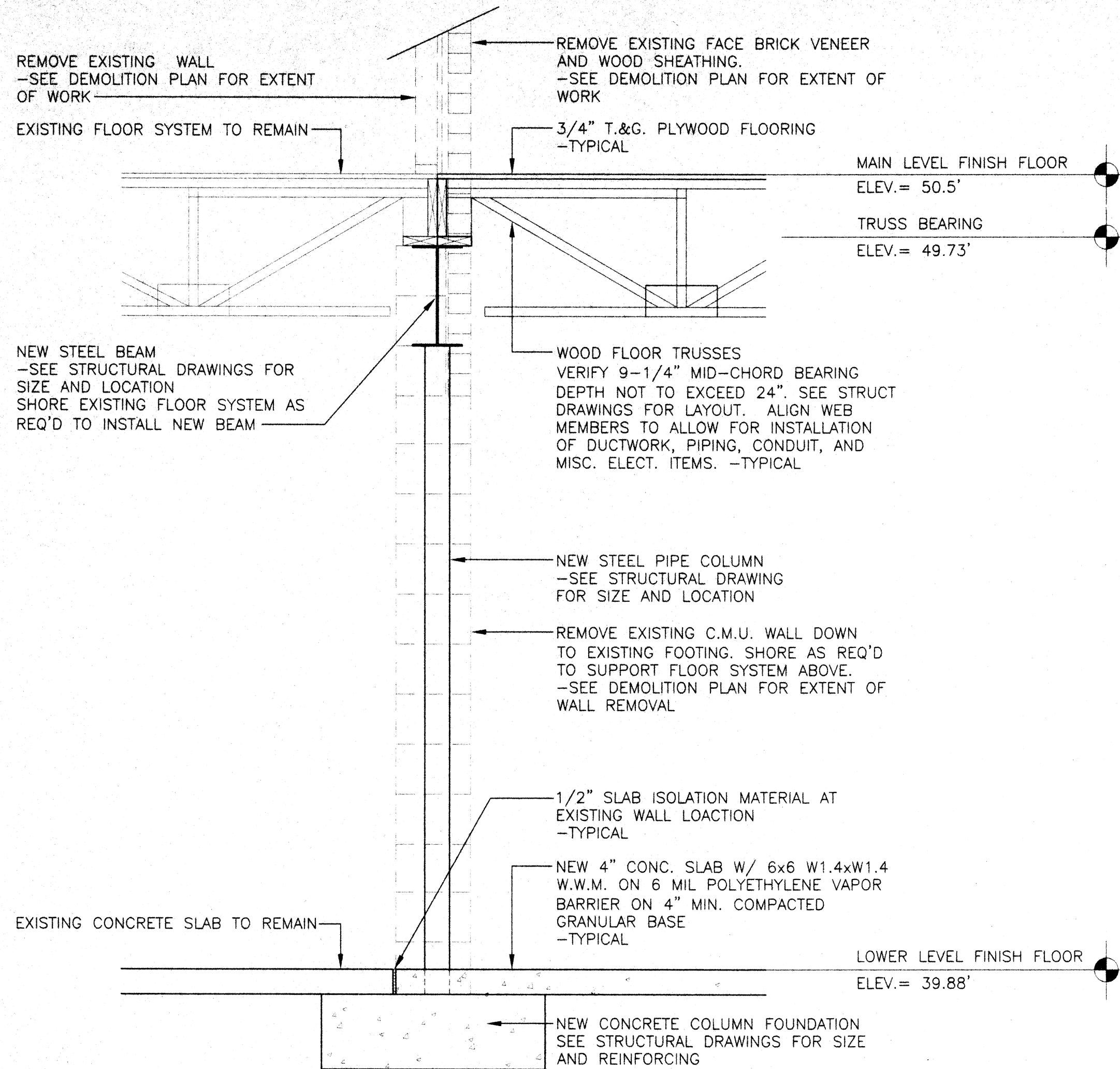
STATE OF OHIO
REGISTERED ARCHITECTS
R.W. MEADOWS
6781

THIS DWG :
WALL SECTIONS

COMM 99175
DATE 3-6-2000

DWG
4

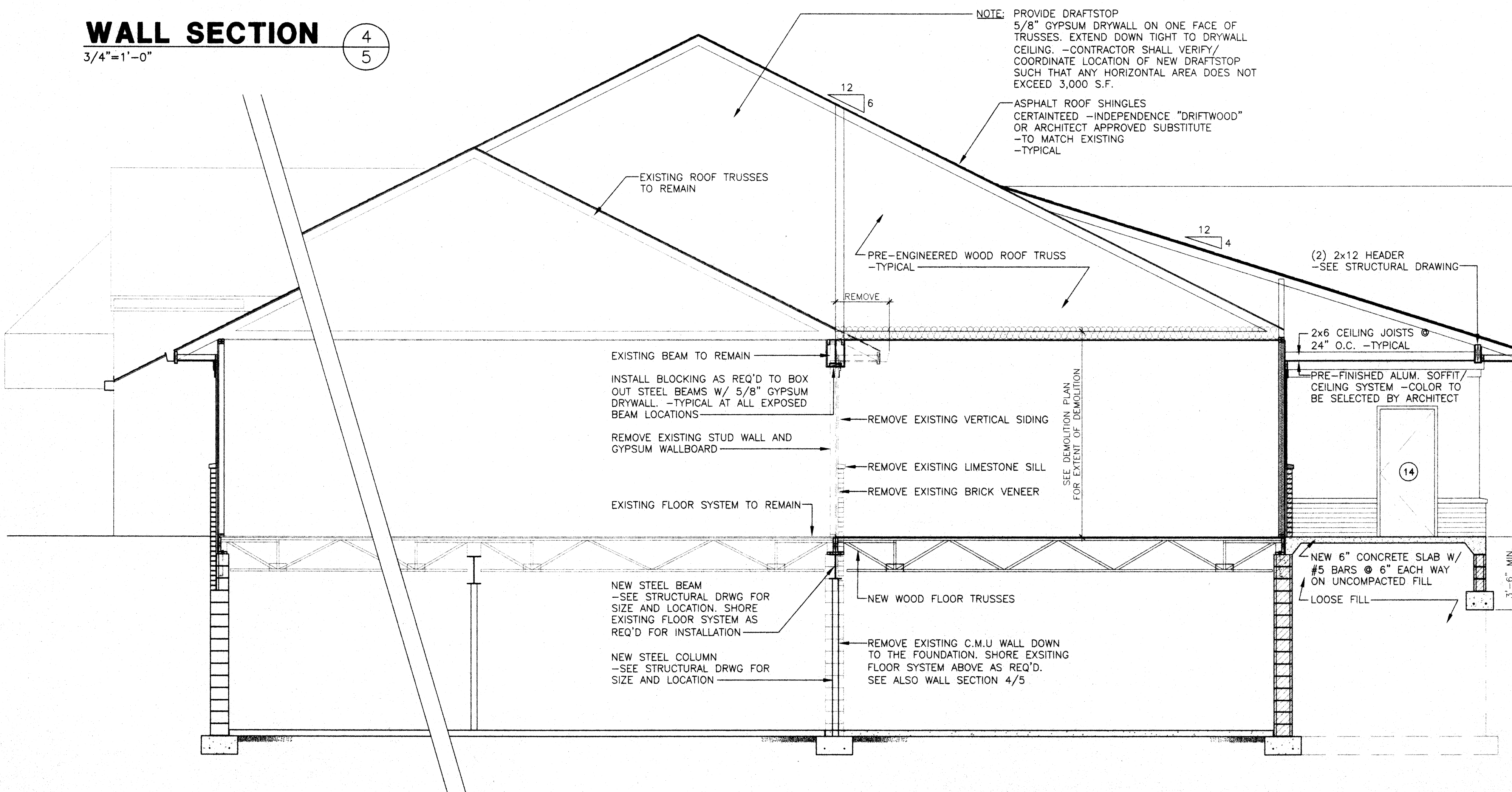
KEEP AT SITE



WALL SECTION

3/4"=1'-0"

4
5



BUILDING SECTION

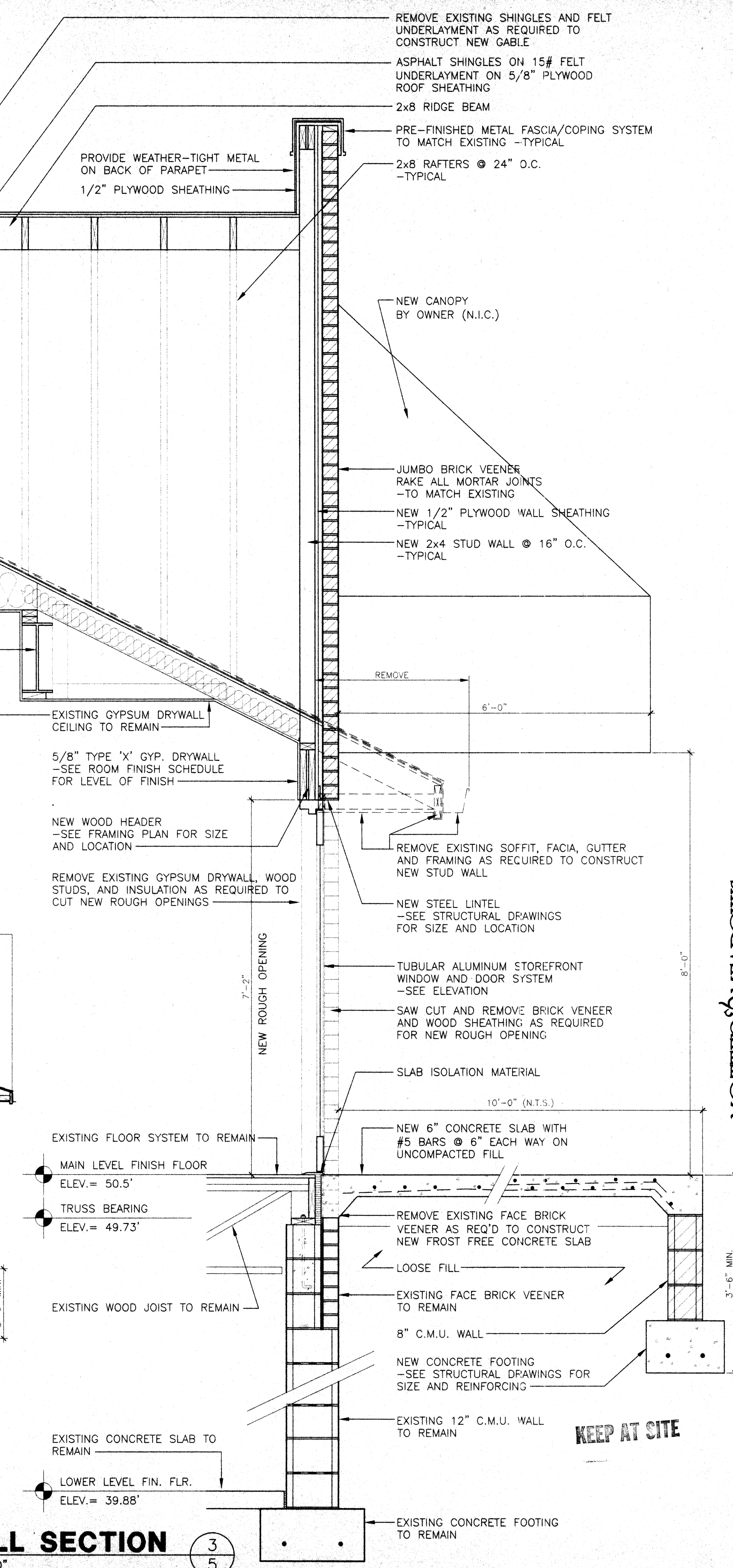
1/4"=1'-0"

A
5

WALL SECTION

3/4"=1'-0"

3
5



MOTTER & MEADOWS
ARCHITECTS

... 1821 FULTON ROAD NW CANTON OHIO 44709

THE LEGENDS OF MASSILLON

The Legends of Massillon

STATE OF OHIO
REGISTERED ARCHITECTS
R.W. MEADOWS
6781

THIS DWG :
WALL SECTIONS
BUILDING SECTION

COMM 99175
DATE 3-6-2000

DWG
5

1'-0"

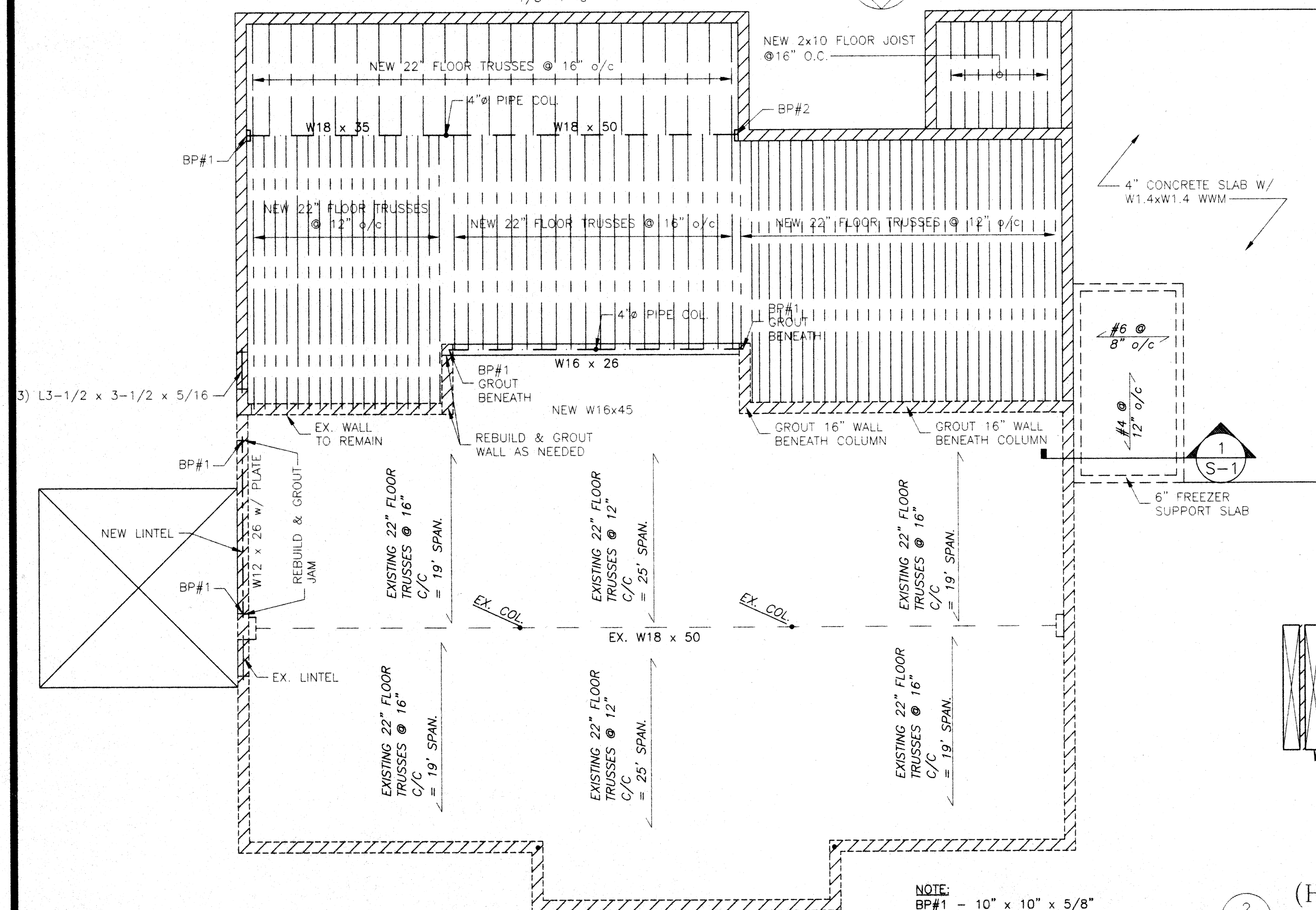
1'-0"

12" x 12" x 3/4"
SOLID MASONRY BEARING

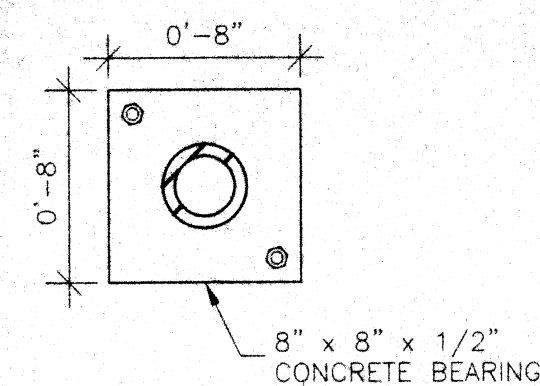
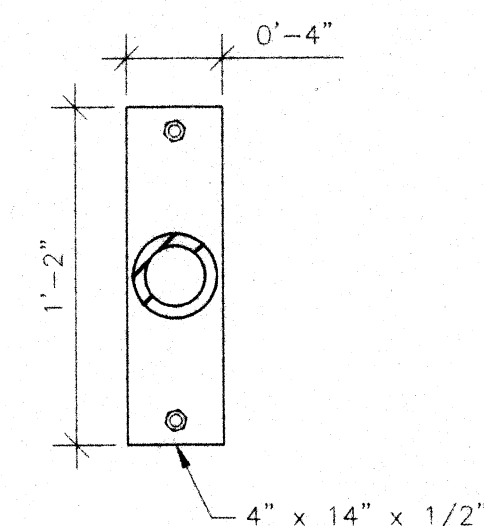
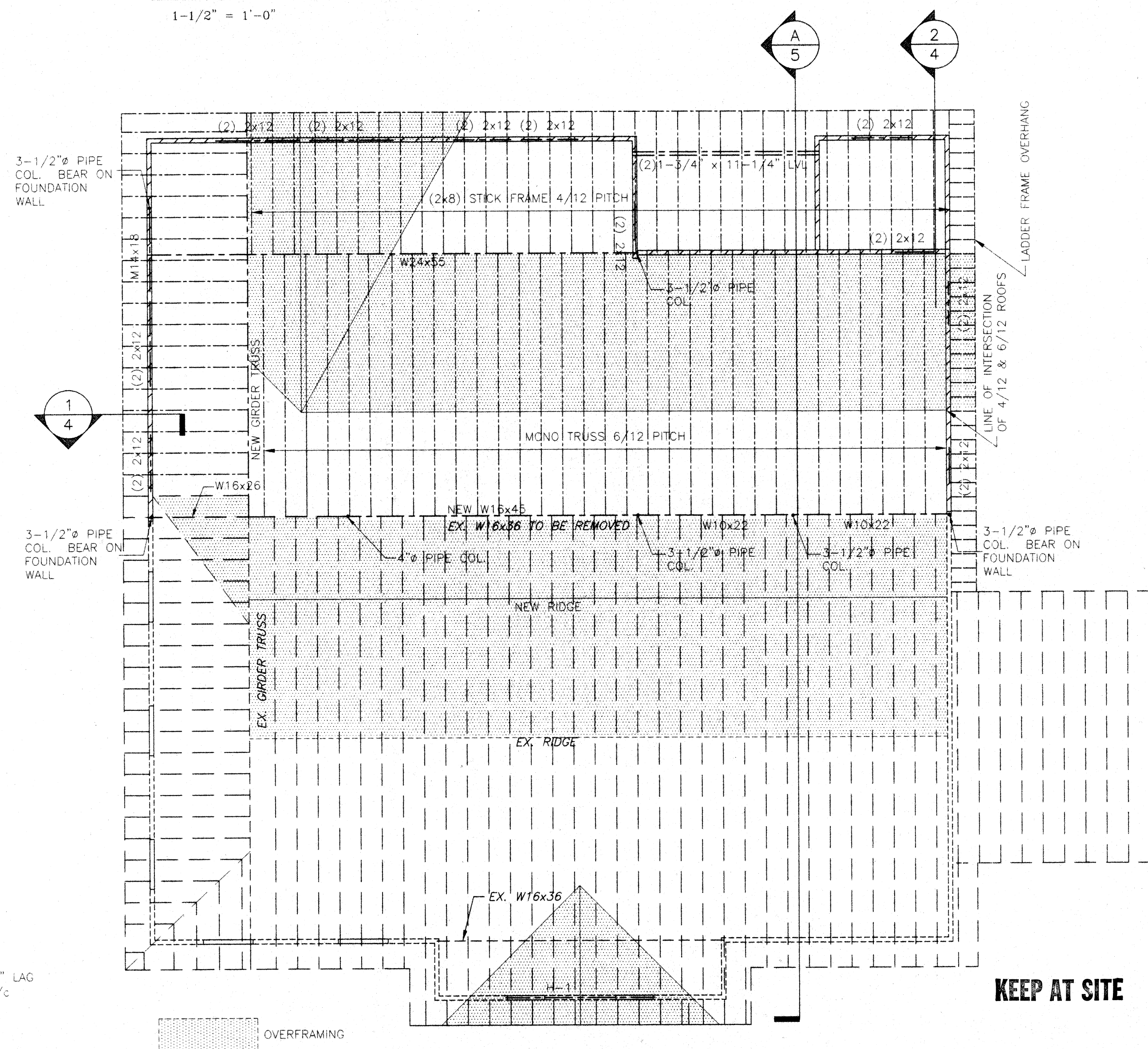
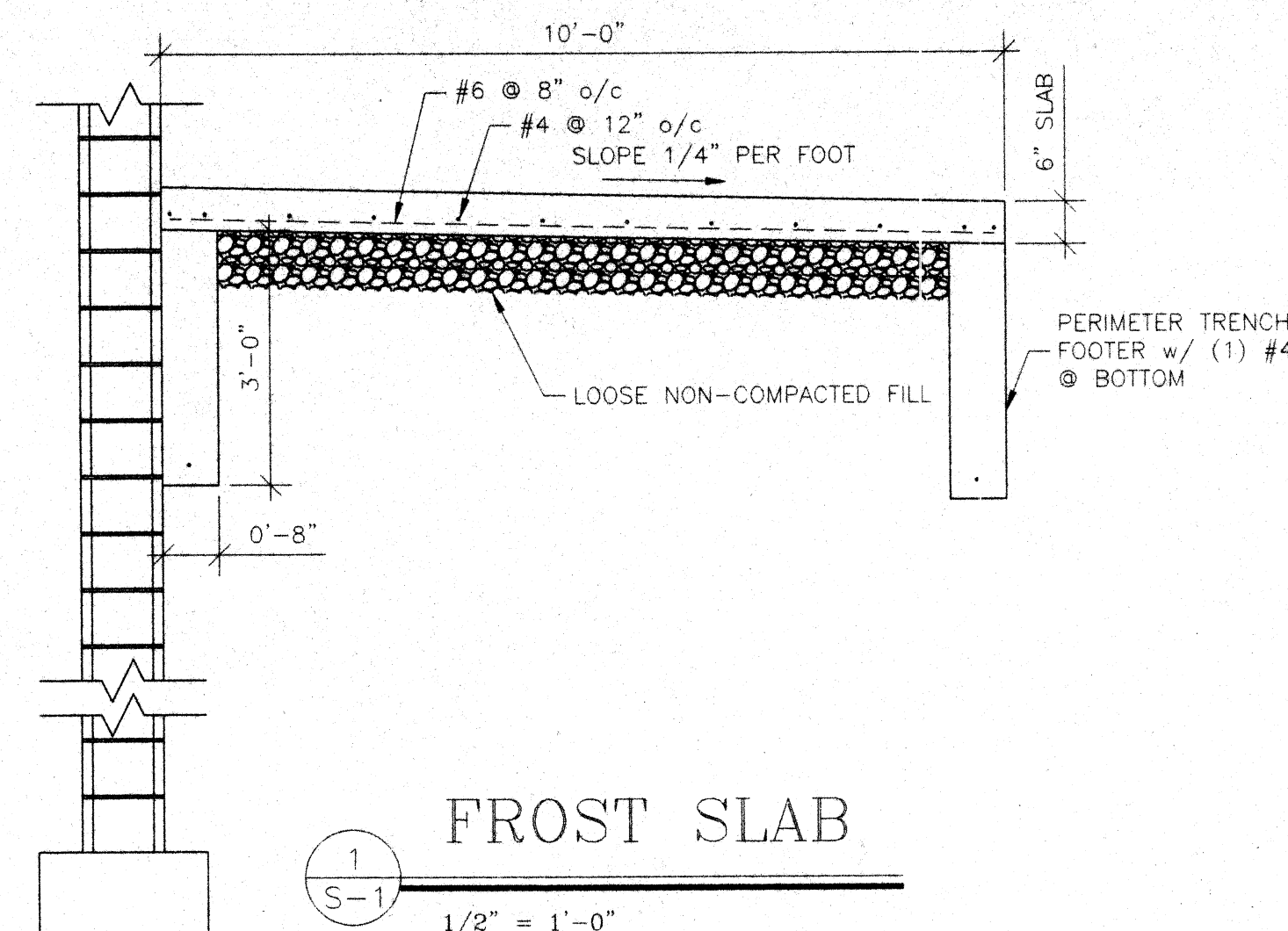
3-1/2" ϕ & 4" ϕ PIPE
COL. BASE PLATE

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

- | A.) GENERAL | | EARTHQUAKE DESIGN DATA | |
|---|-------------|--|-----------|
| DESIGN LOAD INFORMATION: | | 1.) PEAK VELOCITY ($\dot{u}$) | = 0.07 |
| ROOF SNOW LOAD | | 2.) PEAK ACCELERATION (a_0) | = 0.07 |
| 1.) DESIGN SNOW LOAD (P_g) | = 25.00 PSF | 3.) SEISMIC HAZARD EXPOSURE GROUP | = 1 |
| 2.) FLAT ROOF SNOW LOAD (P_f) | = 17.50 PSF | 4.) PERFORMANCE CATEGORY | = 1 |
| 3.) SNOW EXPOSURE FACTOR (C_e) | = 1.0 | 5.) SOIL PROFILE TYPE | = S4 |
| 4.) SNOW LOAD IMPORTANCE FACTOR (I) | = 1.0 | 6.) LIGHTING WINDING SYSTEMS: | |
| WIND LOAD | | — LIGHT-FRAMED WALLS WITH SHEAR PANELS | |
| 1.) BASIC WIND SPEED | = 80 MPH | — DEFLECTION (C_d) = 4 | |
| 2.) WIND LOAD IMPORTANCE FACTOR | = 1.0 | 7.) VENT TYPE | |
| 3.) WIND EXPOSURE | = 1.0 | FLOOR LINE ROOM | |
| 4.) WIND DESIGN PRESSURE | = 17 PSF | ROOF LINE LOADS | = 25 PSF |
| | | 1.) WIND LOAD (ROOF TRUSSES) | = 100 PSF |

$$1/8'' = 1' - 0'$$


NOTE:
BP#1 - 10" x 10" x 5/8"
BP#2 - 12" x 12" x 3/4"

$$1/8'' = 1' - 0''$$

$$1-1/2'' = 1'-0$$

$$1-1/2'' = 1'-0''$$

$$1/8" = 1' - 0$$

KEEP AT SITE

Troike-Rostedt
Engineering, Inc

1983 Akron-Peninsula Road
Akron, Ohio 44313
(330) 928-8388
Fax: (330) 928-3269
E-Mail: tr@lek.net



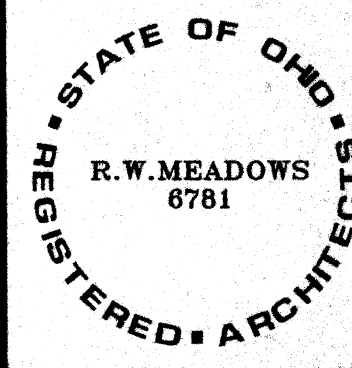
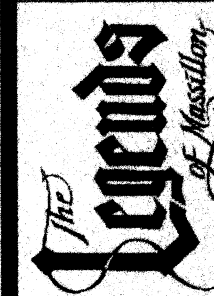
44709

CANTON OHIO

MOTHER & MEADOWS

ARCHITECTS

THE LEGENDS OF MASSILLON



THIS DWG :

COMM 9917
DATE 3-6-200

DWG
S-1

mds
& associates, inc.
consulting engineers

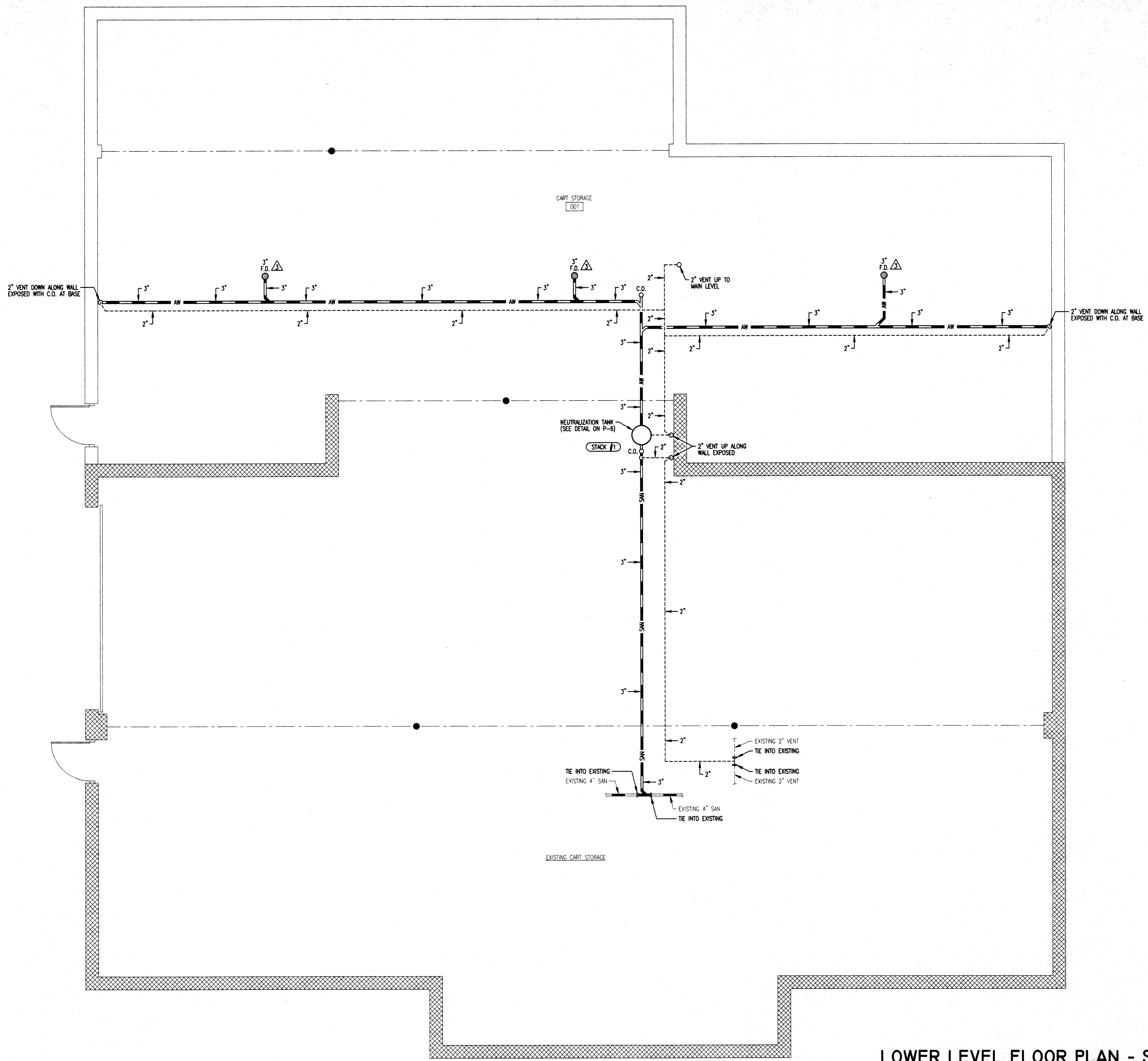
4125 HILLS & DALES RD., NW
CANTON, OHIO 44708-1661
PHONE: (330) 492-0874
FAX: (330) 492-7054
e-mail: mds7777@aol.com



1821 FULTON ROAD NW CANTON OHIO 44709

MOTTER & MEADOWS
ARCHITECTS

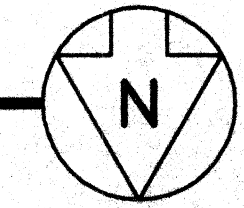
THE LEGENDS OF MASSILLON
CLUBHOUSE ADDITION AND RENOVATION



Provide trap seals
KEEP AT SITE

LOWER LEVEL FLOOR PLAN - SANITARY

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



THIS DWG :
LOWER LEVEL FLOOR
PLAN - SANITARY

COMM 99175
DATE 2-25-00

DWG
P1

FILENAME: D:\1999\99-164\2.DWG

mds
& associates, inc.
consulting engineers

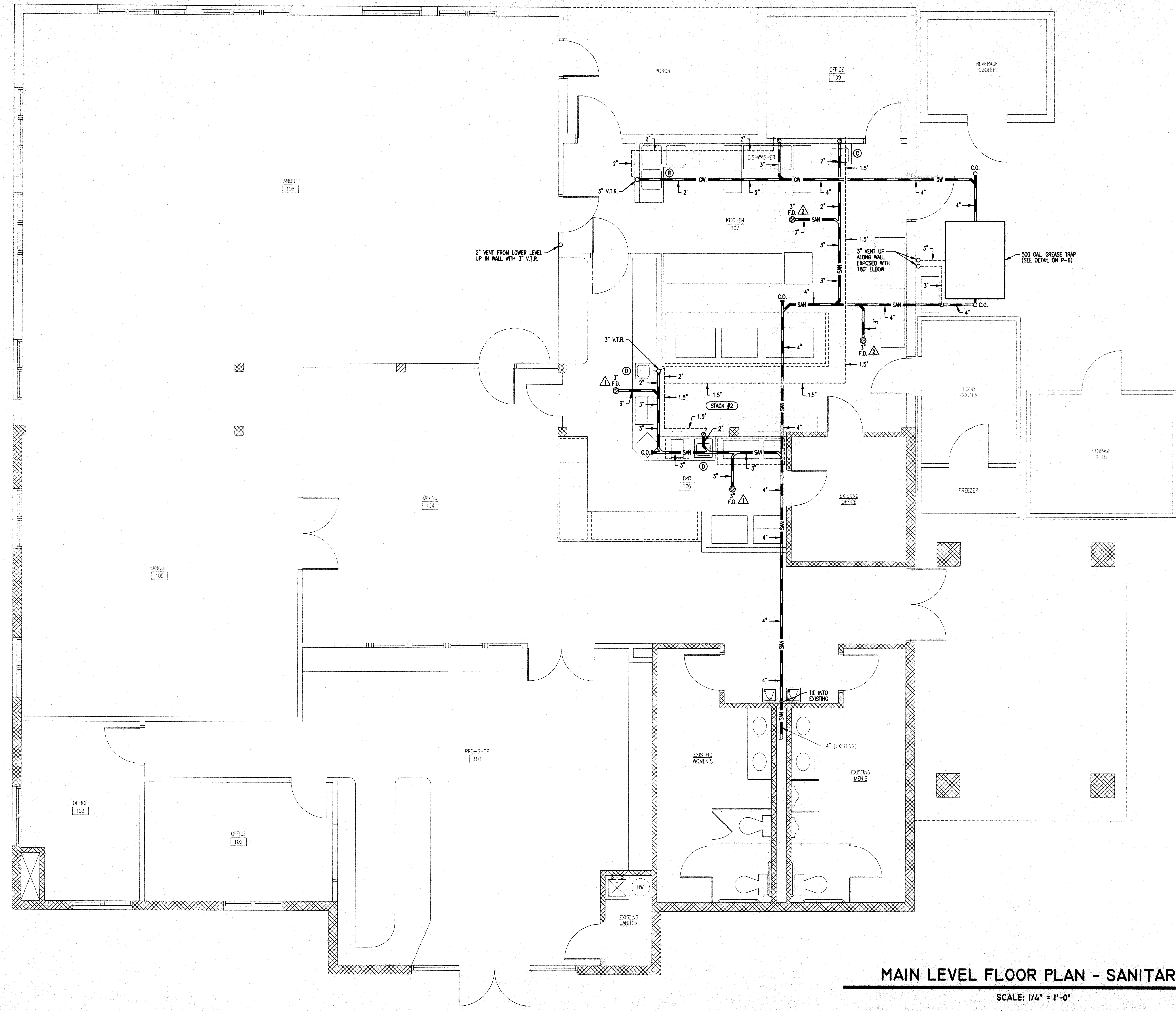
4125 HILLS & DALES RD., NW
CANTON, OHIO 44708-1061
PHONE: (330) 492-0874
FAX: (330) 492-7054
e-mail: mds7777@aol.com



1821 FULTON ROAD NW CANTON OHIO 44709

MOTTER & MEADOWS
ARCHITECTS

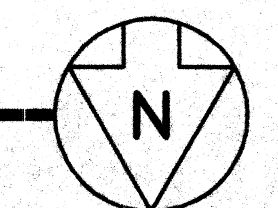
THE LEGENDS OF MASSILLON
CLUBHOUSE ADDITION AND RENOVATION



KEEP AT SITE

MAIN LEVEL FLOOR PLAN - SANITARY

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

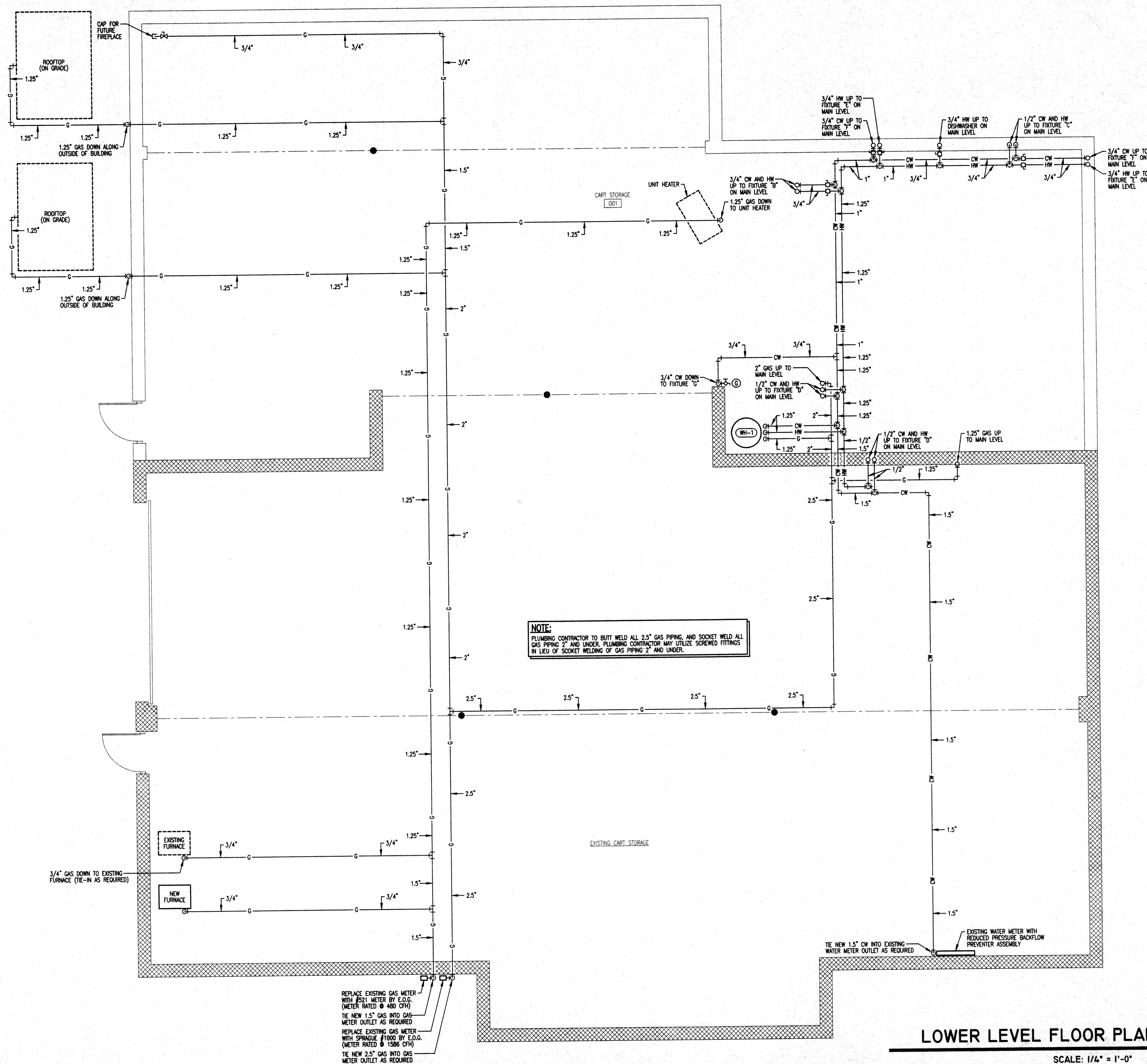


THIS DWG :
MAIN LEVEL FLOOR
PLAN - SANITARY

COMM 99175
DATE 2-25-00

DWG
P2

FILENAME: D:\1999\99-16A\PL.DWG



NOTE:
PLUMBING CONTRACTOR TO BUTT WELD ALL 2.5" GAS PIPING, AND SOCKET WELD ALL GAS PIPING 2" AND UNDER. PLUMBING CONTRACTOR MAY UTILIZE SCREWED FITTINGS IN LIEU OF SOCKET WELDING OF GAS PIPING 2" AND UNDER.

REPLACE EXISTING GAS METER WITH #221 METER BY E.O.G. (METER RATED @ 480 CFH)
TIE NEW 1.5" GAS INTO GAS-METER OUTLET AS REQUIRED
REPLACE EXISTING GAS METER WITH SPRAGUE #1000 BY E.O.G. (METER RATED @ 1586 CFH)
TIE NEW 2.5" GAS INTO GAS-METER OUTLET AS REQUIRED

LOWER LEVEL FLOOR PLAN - PLUMBING

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

KEEP AT SITE

mds
& associates, inc.
consulting engineers
4125 HILLS & DALES RD., NW
CANTON, OHIO 44708-1661
PHONE: (330) 492-0874
FAX: (330) 492-7054
e-mail: mds777@aol.com

EXISTING GAS PIPING NOTE
PLUMBING CONTRACTOR TO REMOVE ALL EXISTING GAS PIPING (NOT SHOWN) BACK TO GAS METERS.

GAS PIPING NOTE
GAS PIPE SIZES SHOWN ARE BASED ON DISTANCES DERIVED FROM PROPOSED EQUIPMENT SELECTIONS AND LOCATIONS. ANY DEVIATION FROM PROPOSED PATH OF GAS HOUSE LINE OR PROPOSED EQUIPMENT LOCATIONS SHALL REQUIRE PLUMBING CONTRACTOR TO UTILIZE STANDARD INDUSTRY PRACTICE FOR RESIZING OF SAID HOUSE LINE.

1821 FULTON ROAD NW CANTON OHIO 44709

MOTT & MEADOWS
ARCHITECTS

THE LEGENDS OF MASSILLON
CLUBHOUSE ADDITION AND RENOVATION

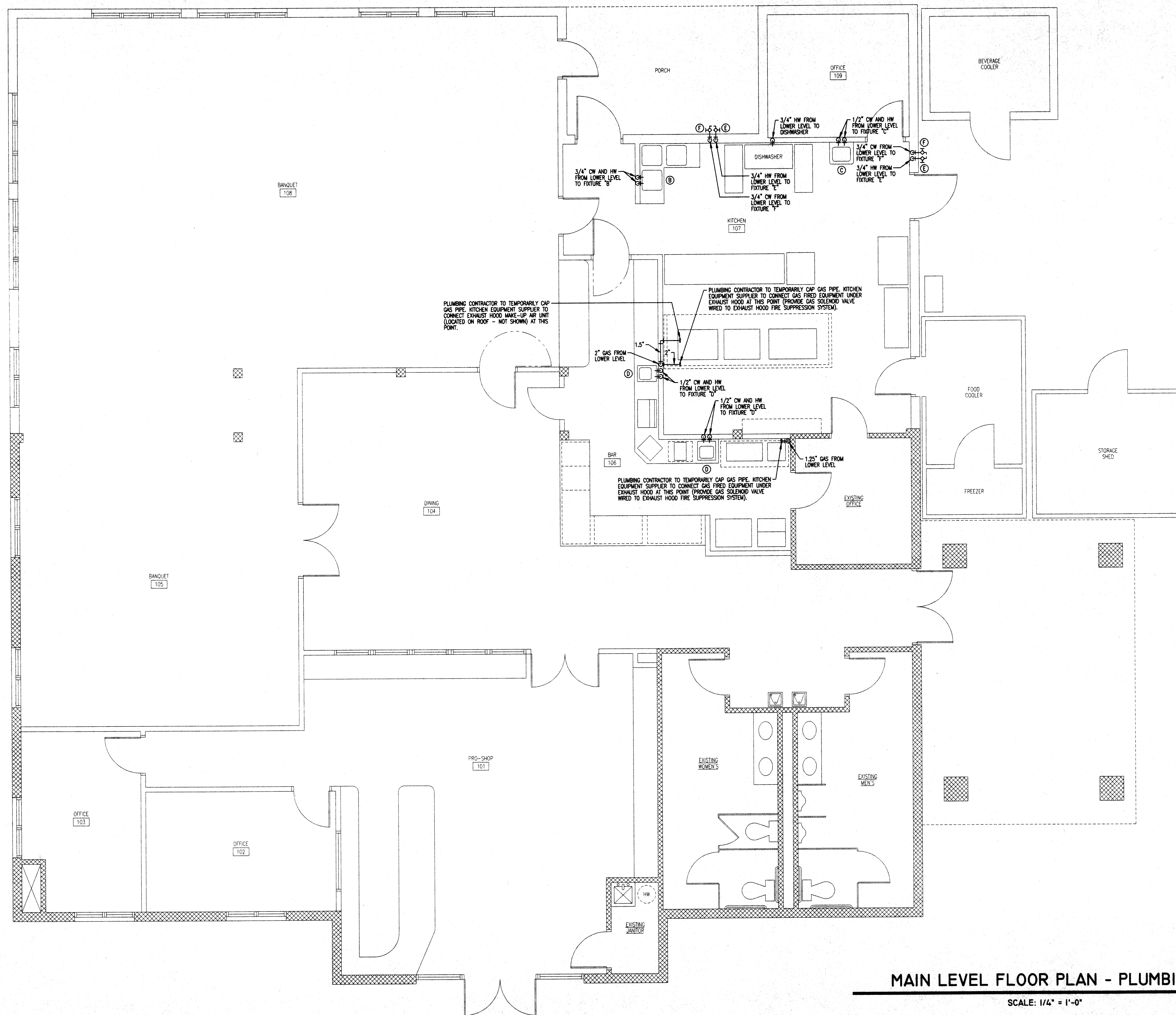
THIS DWG :
LOWER LEVEL FLOOR
PLAN - PLUMBING

COMM 99175
DATE 2-25-00

DWG
P3



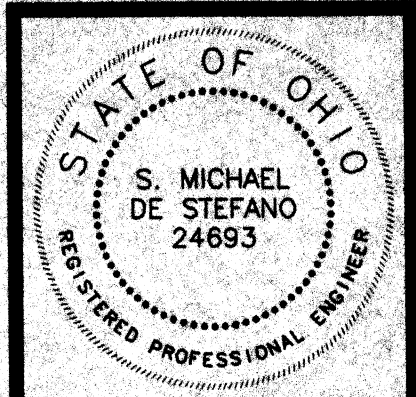
FILENAME: D:\1999\99-184\PL.DWG



mds
& associates, inc.
consulting engineers

4125 HILLS & DALES RD., NW
CANTON, OHIO 44708-1861
PHONE: (330) 492-0874
FAX: (330) 492-7054
e-mail: mds777@aol.com

GAS PIPING NOTE
GAS PIPE SIZES SHOWN ARE BASED ON DISTANCES DERIVED FROM PROPOSED EQUIPMENT SELECTIONS AND LOCATIONS. ANY DEVIATION FROM PROPOSED PATH OF GAS HOUSE LINE OR PROPOSED EQUIPMENT LOCATIONS SHALL REQUIRE PLUMBING CONTRACTOR TO UTILIZE STANDARD INDUSTRY PRACTICE FOR RESIZING OF GAS HOUSE LINE.



1821 FULTON ROAD NW CANTON OHIO 44709

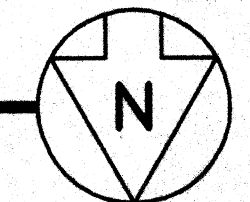
MOTTER & MEADOWS
ARCHITECTS

THE LEGENDS OF MASSILLON
CLUBHOUSE ADDITION AND RENOVATION

KEEP AT SITE

MAIN LEVEL FLOOR PLAN - PLUMBING

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



THIS DWG :
MAIN LEVEL FLOOR
PLAN - PLUMBING

COMM 99175
DATE 2-25-00

DWG
P4

mds
& associates, inc.
consulting engineers

4125 HILLS & DALES RD., NW
CANTON, OHIO 44708-1861
PHONE: (330) 482-0874
FAX: (330) 482-7054
e-mail: mds777@aol.com



1821 FULTON ROAD NW CANTON OHIO 44709

MOTTER & MEADOWS
ARCHITECTS

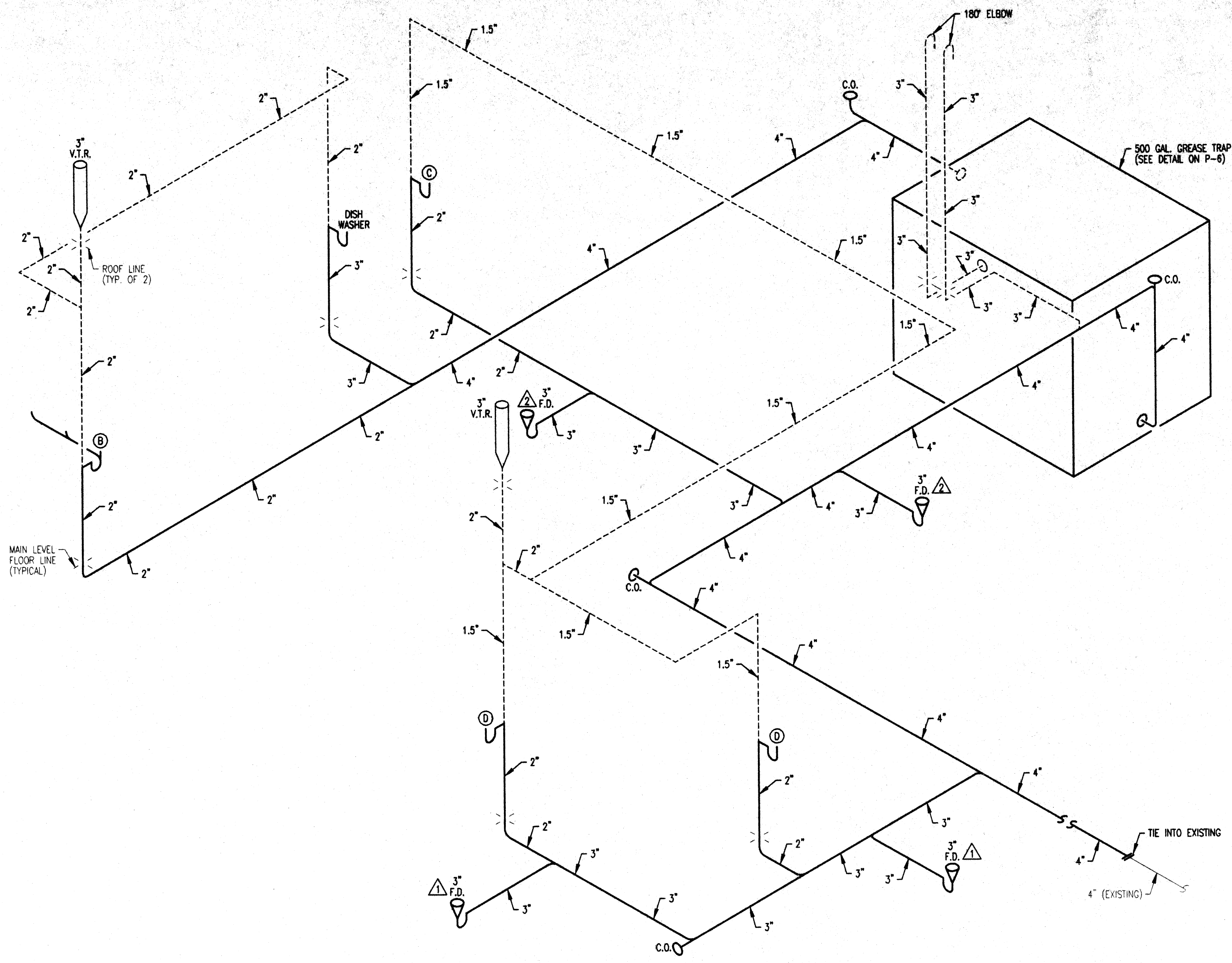
THE LEGENDS OF MASSILLON
CLUBHOUSE ADDITION AND RENOVATION

THIS DWG :
SANITARY STACK
ISOMETRICS

COMM 99175
DATE 2-25-00

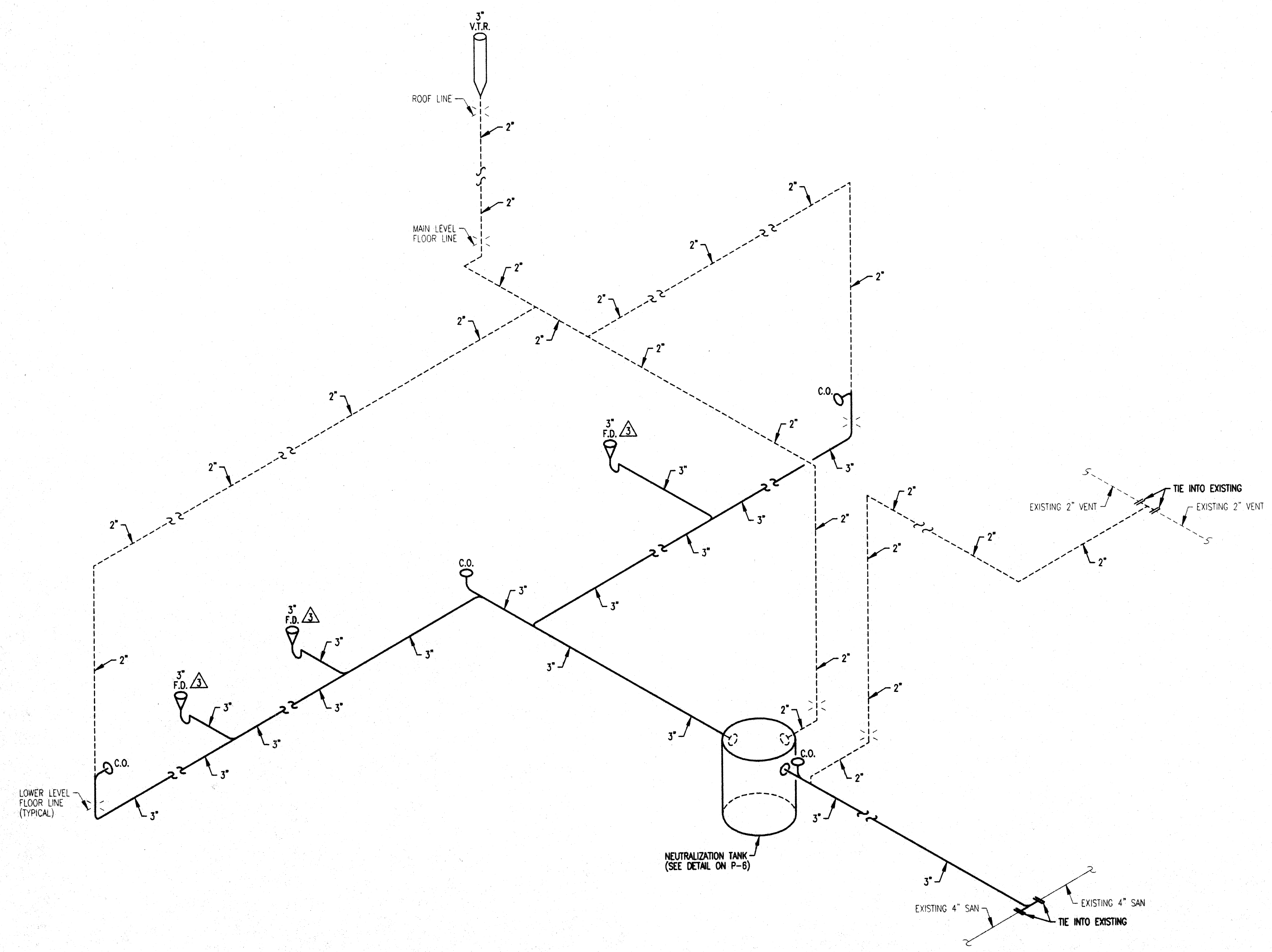
DWG
P5

KEEP AT SITE



SANITARY STACK ISOMETRIC #2

NOT TO SCALE



SANITARY STACK ISOMETRIC #1

NOT TO SCALE

HOT WATER HEATER SCHEDULE				
SYM.	MFGR.	CAT. NO.	DESCRIPTION	
WH-1	BRADFORD WHITE	D-80T-250-3N	COMMERCIAL GAS-FIRED GLASS-LINED WATER HEATER, 80 GAL. CAPACITY, 250,000 BTU/HR. INPUT, 269 GAL. RECOVERY @ 90°F RISE, ASME TANK, 3/4" GAS CONNECTION, VOLTAGE 115/1/60 WT 590L	

PLUMBING FIXTURE SCHEDULE						
SYM.	DESCRIPTION			CONNECTIONS (IN INCHES)		
	HW	CW	TRAP	SAN	MT.	HT.
B	CORNER TRIPLE COMPARTMENT SINK WITH FAUCETS BY OTHERS (CONNECTED BY PLUMBING CONTRACTOR)			1/2	1/2	2
C	JUST #A-544-FS WALL MOUNTED HANDWASH SINK, 20 GAUGE STAINLESS STEEL TYPE 304, 6" HIGH BACKSPASH, 2-HOLE PUNCHED FOR #J-47-TSSA GOOSENECK FAUCET WITH AERATOR AND LEVER HANDLES, #J-15-FS DRAIN WITH FLAT GRID STRAINER AND 1-1/2" O.D. TAILPIECE, P-TRAP, AND SUPPLIES WITH HANDWHEEL STOPS			1/2	1/2	1-1/2
D	JUST #JL-2019-A-GR STYLISH 18 GAUGE STAINLESS STEEL TYPE 304, SELF-RUNNING COUNTERTOP SINK, 3-HOLE PUNCHED FOR #J-1174-KS FAUCET WITH AERATOR AND 4" WRIST BLADE HANDLES, #J-35 CRUMB CLIP STRAINER WITH 1-1/2" O.D. TAILPIECE, P-TRAP, AND SUPPLIES WITH HANDWHEEL STOPS			3/8	3/8	1-1/2
E	SMITH #5809 NON-FREEZE, EXPOSED WALL HYDRANT, INTEGRAL VACUUM BREAKER AND COMPLETE WITH T-HANDLE			3/4	---	---
F	SMITH #5808 NON-FREEZE, EXPOSED WALL HYDRANT, INTEGRAL VACUUM BREAKER AND COMPLETE WITH T-HANDLE			---	3/4	---
G	CHICAGO FAUCET #387-AF LOOSE KEY SILL WITH 3/4" FEMALE INLET, #293-6 T-HANDLE AND 3/4" HOSE THREAD OUTLET			---	3/4	---

DRAIN SCHEDULE			
SYM.	DESCRIPTION	GRATE TYPE	DRAIN TYPE
1	SMITH #2110 CAST IRON FLOOR DRAIN WITH FLASHING COLLAR	CAST IRON	EQUIPMENT
2	SMITH #3020 CAST IRON FLOOR DRAIN WITH DOME BOTTOM STRAINER	NICKEL BRONZE	KITCHEN
3	SMITH #3402 CAST IRON FLOOR DRAIN WITH ACID RESISTANT PORCELAIN INTERIOR AND FLASHING FLANGE	ACID RESISTANT	ACID

PLUMBING LEGEND	
101	ROOM NUMBER SYMBOL
	EQUIPMENT SYMBOL
	FIXTURE SYMBOL
	DRAIN SYMBOL
	SANITARY BELOW FLOOR
	GREASE WASTE BELOW FLOOR
	ACID WASTE BELOW FLOOR
	VENT
	COLD WATER PIPING
	HOT WATER PIPING
	NATURAL GAS PIPING
	BALL VALVE
	GAS COCK
	UNION (SCREWED)
	FLOOR DRAIN
	CLEANOUT
	VENT THRU ROOF
	ABOVE FINISHED FLOOR
	THERMOMETER
	HOSE BIBB
	PRESSURE RELIEF VALVE

PLUMBING GENERAL NOTES	
1.)	PLUMBING CONTRACTOR TO INSULATE ALL DOMESTIC WATER PIPING (SEE SPECIFICATIONS).
2.)	PLUMBING CONTRACTOR TO FIELD VERIFY LOCATION OF ALL EXISTING PIPING.
3.)	PLUMBING CONTRACTOR TO PURGE ALL EXISTING GAS PIPING BEFORE REMOVING OR INSTALLING ANY GAS PIPING.
4.)	PLUMBING CONTRACTOR TO SLOPE SANITARY PIPING FROM INVERTS TO TIE-IN POINTS AS REQUIRED.

mds

& associates, inc.

consulting engineers

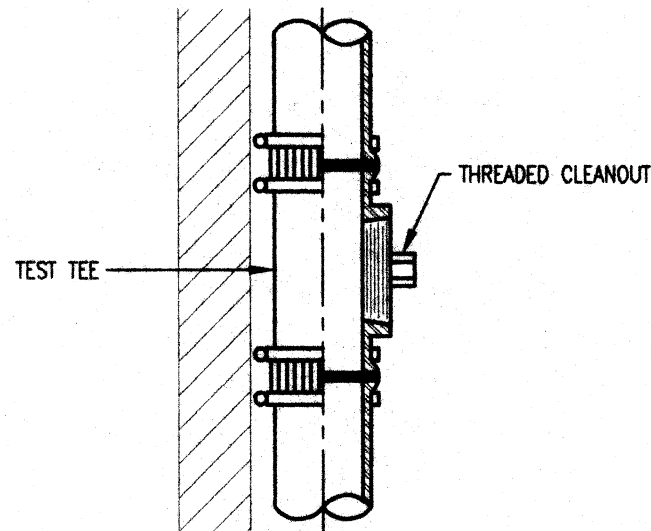
4125 HILLS & DALES RD., NW
CANTON, OHIO 44708-1661
PHONE: (330) 492-0874
FAX: (330) 492-7054
e-mail: mds7777@aol.com



1821 FULTON ROAD NW CANTON OHIO 44709

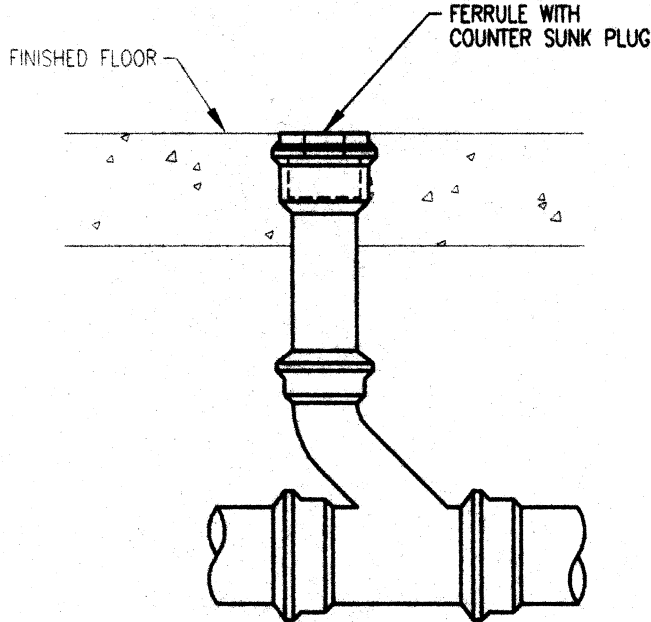
MOTTED MEADOWS
ARCHITECTS

THE LEGENDS OF MASSILLON
CLUBHOUSE ADDITION AND RENOVATION



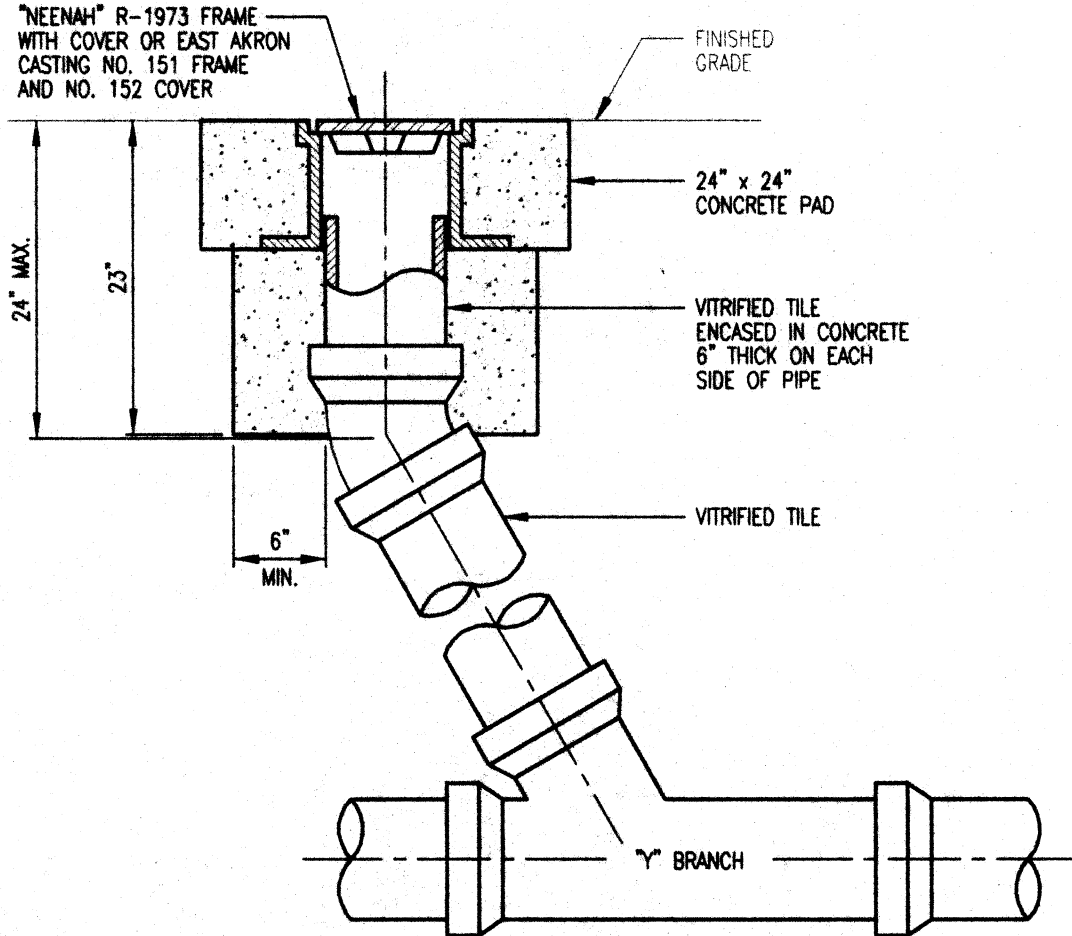
WALL CLEANOUT DETAIL

NOT TO SCALE



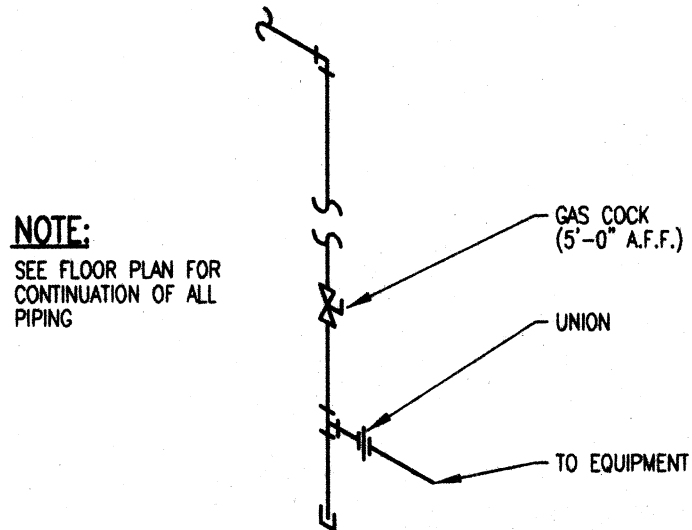
FLOOR CLEANOUT DETAIL

NOT TO SCALE



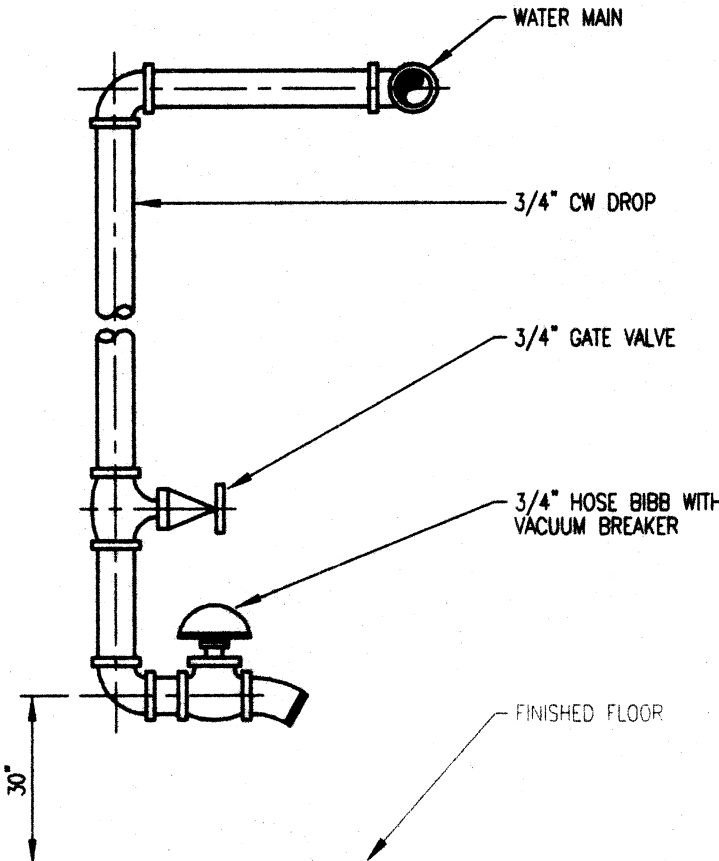
OUTDOOR CLEANOUT DETAIL

NOT TO SCALE



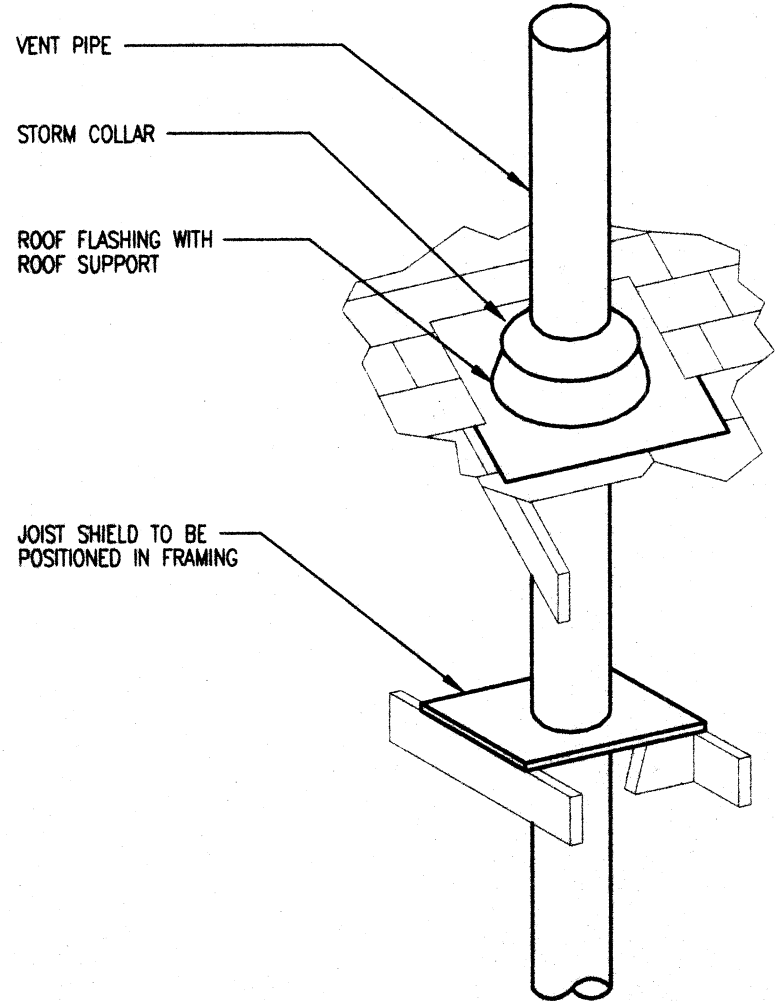
GAS CONNECTION DETAIL

NOT TO SCALE



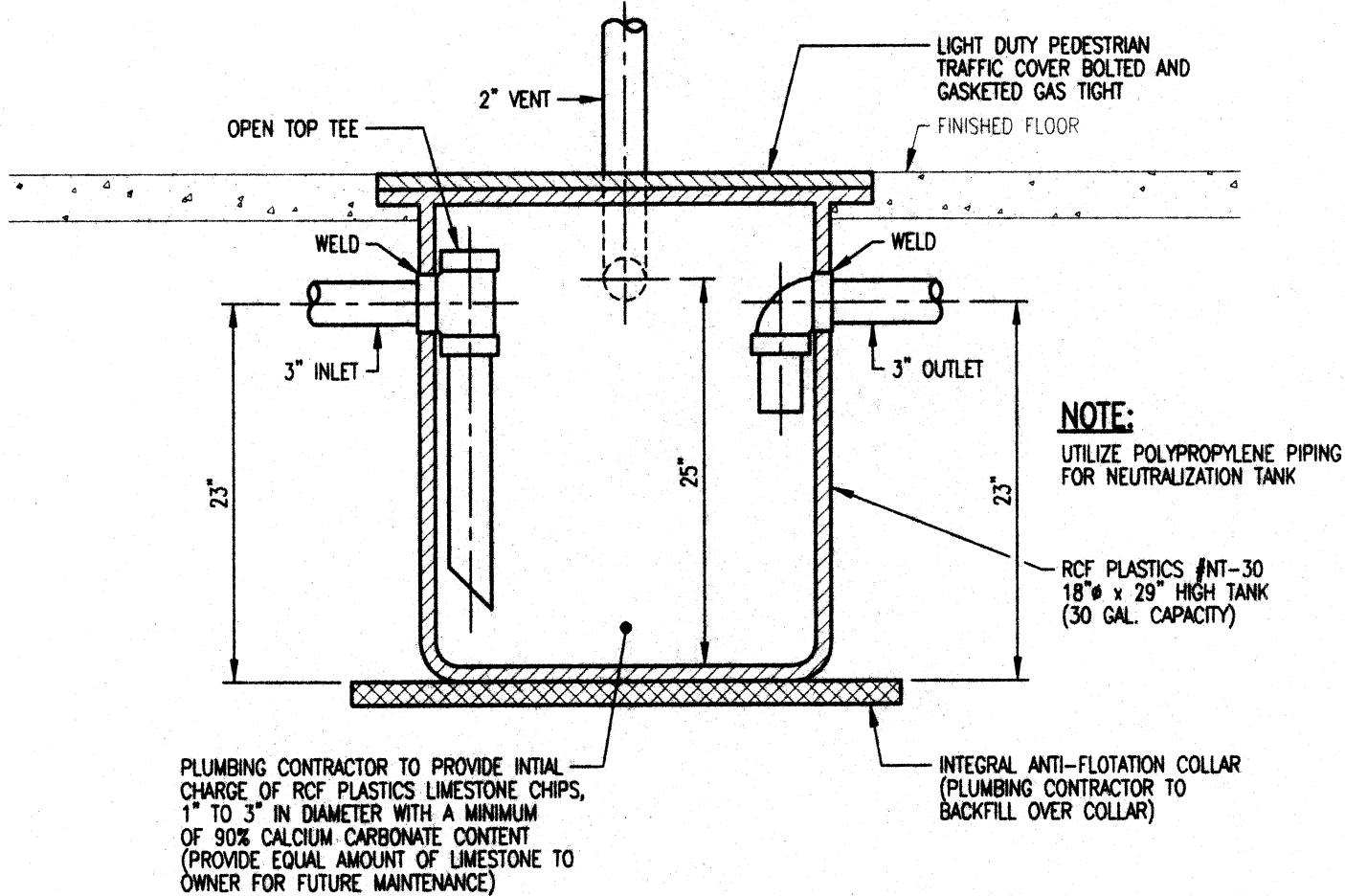
HOSE BIBB DETAIL

NOT TO SCALE



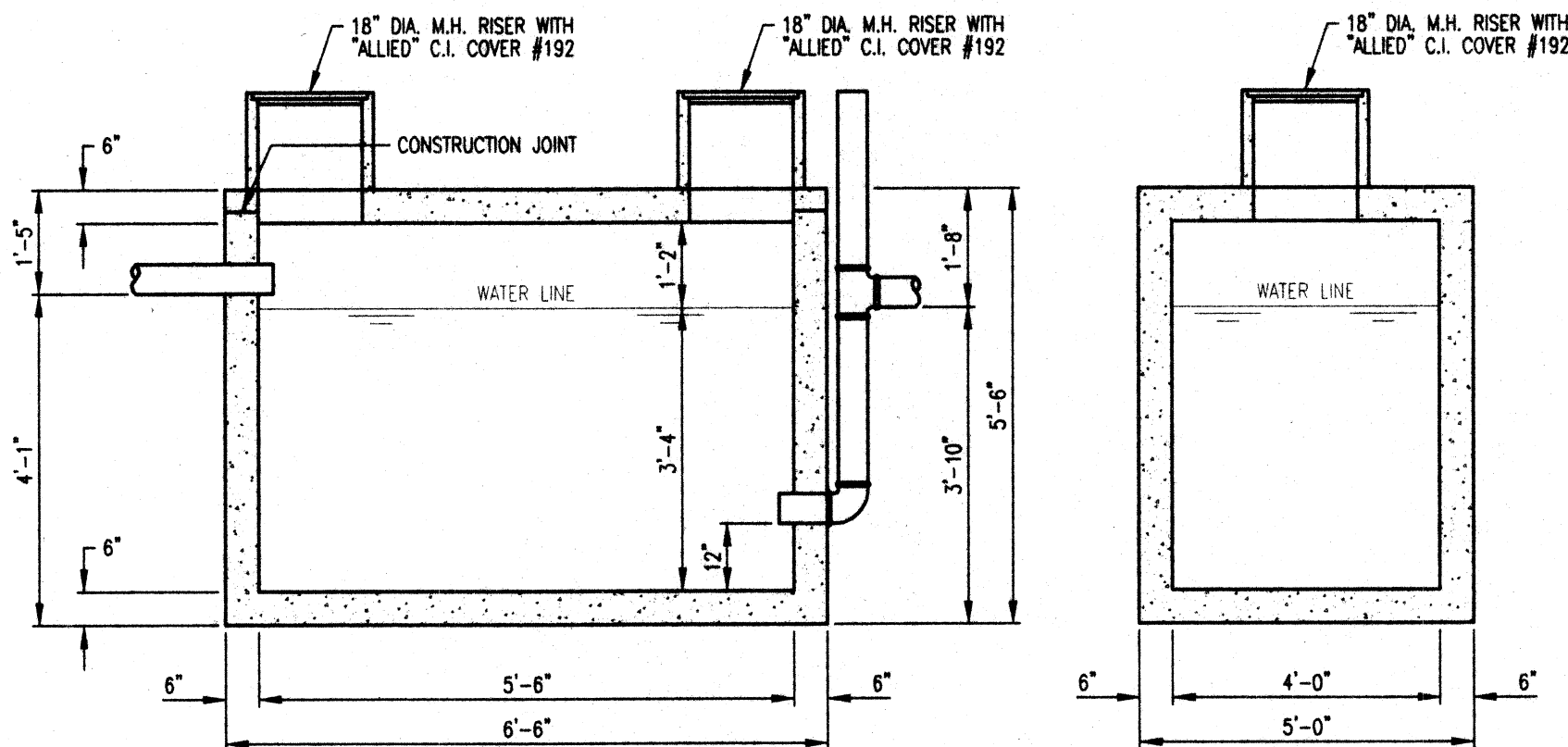
VENT TERMINATION DETAIL

NOT TO SCALE



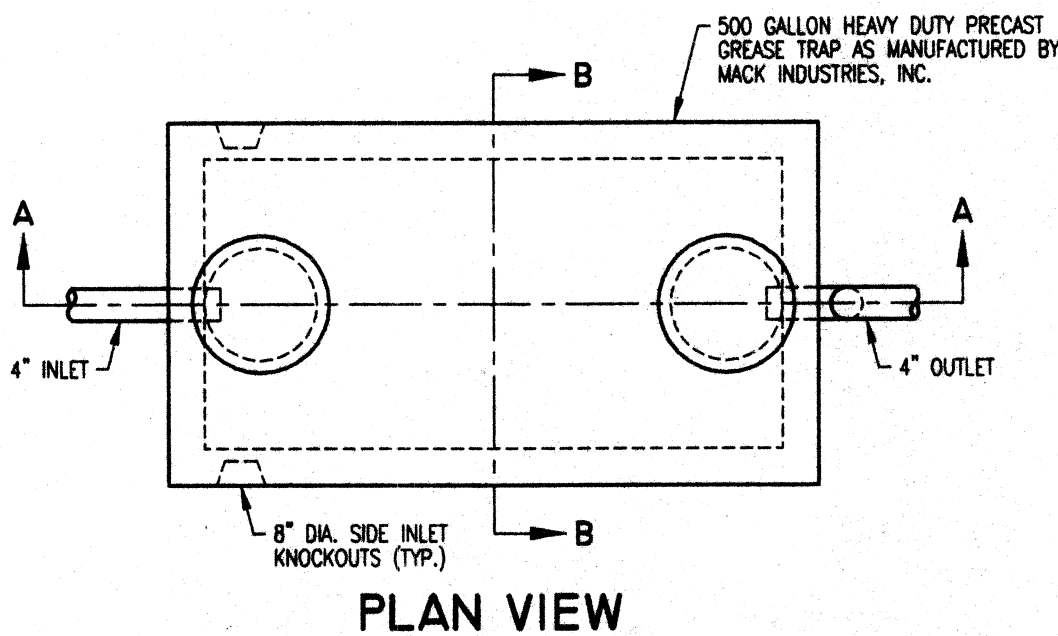
NEUTRALIZATION TANK DETAIL

NOT TO SCALE



SECTION A-A

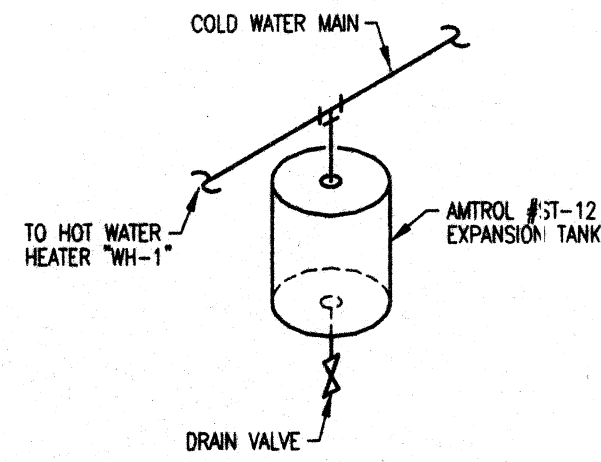
SECTION B-B



PLAN VIEW

500 GALLON GREASE TRAP DETAIL

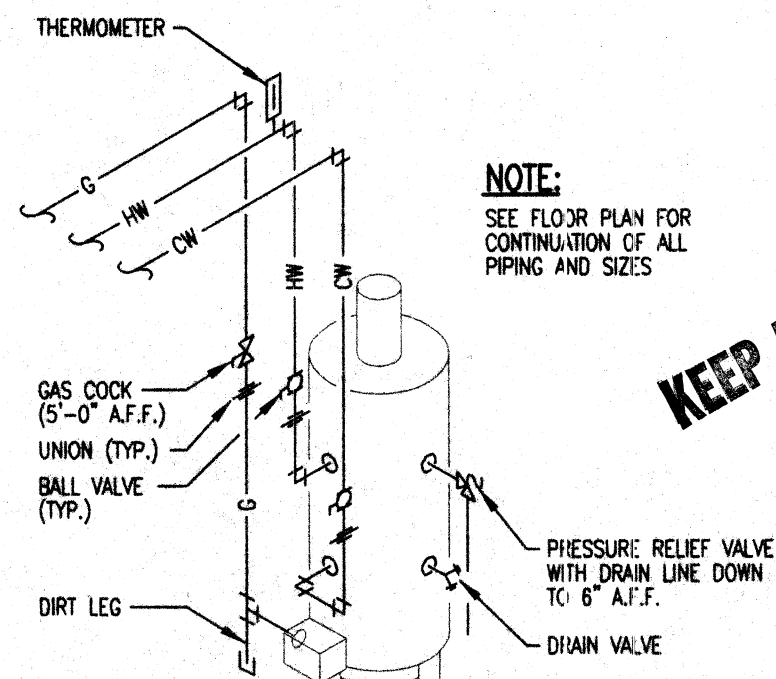
NOT TO SCALE



HOT WATER HEATER

EXPANSION TANK DETAIL

NOT TO SCALE



WATER HEATER DETAIL

NOT TO SCALE

THIS DWG :
PLUMBING SCHEDULES
AND DETAILS

COMM 99175
DATE 2-25-00

DWG
P6

FILENAME: D:\1999\99-16A\96.DWG

FILENAME: D:\1999\99-164\FP1.DWG

mds
& associates, inc.
consulting engineers

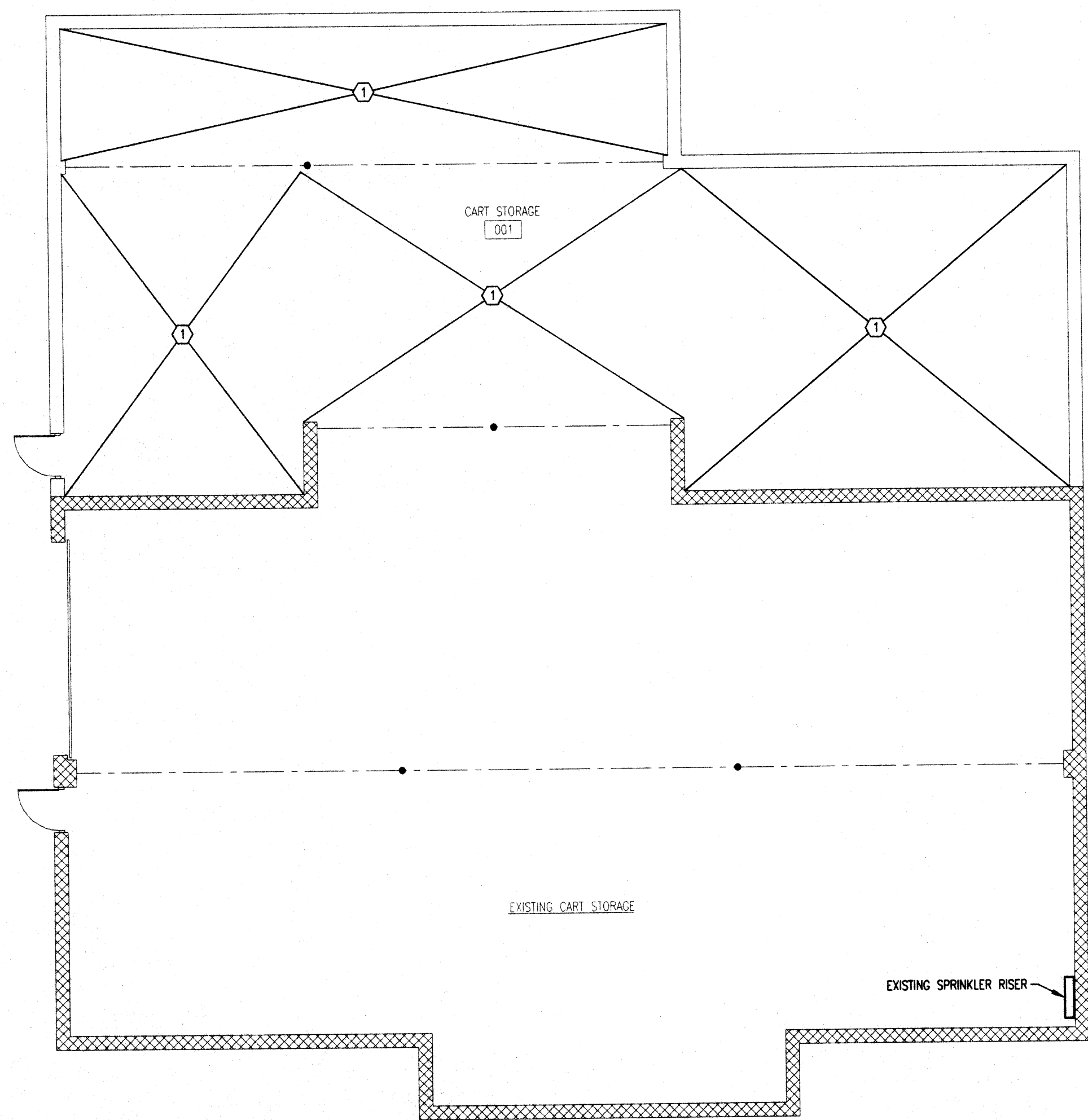
4125 HILLS & DALES RD., NW
CANTON, OHIO 44706-1881
PHONE: (330) 482-0874
FAX: (330) 482-7054
e-mail: mds7777@aol.com



1821 FULTON ROAD NW CANTON OHIO 44709

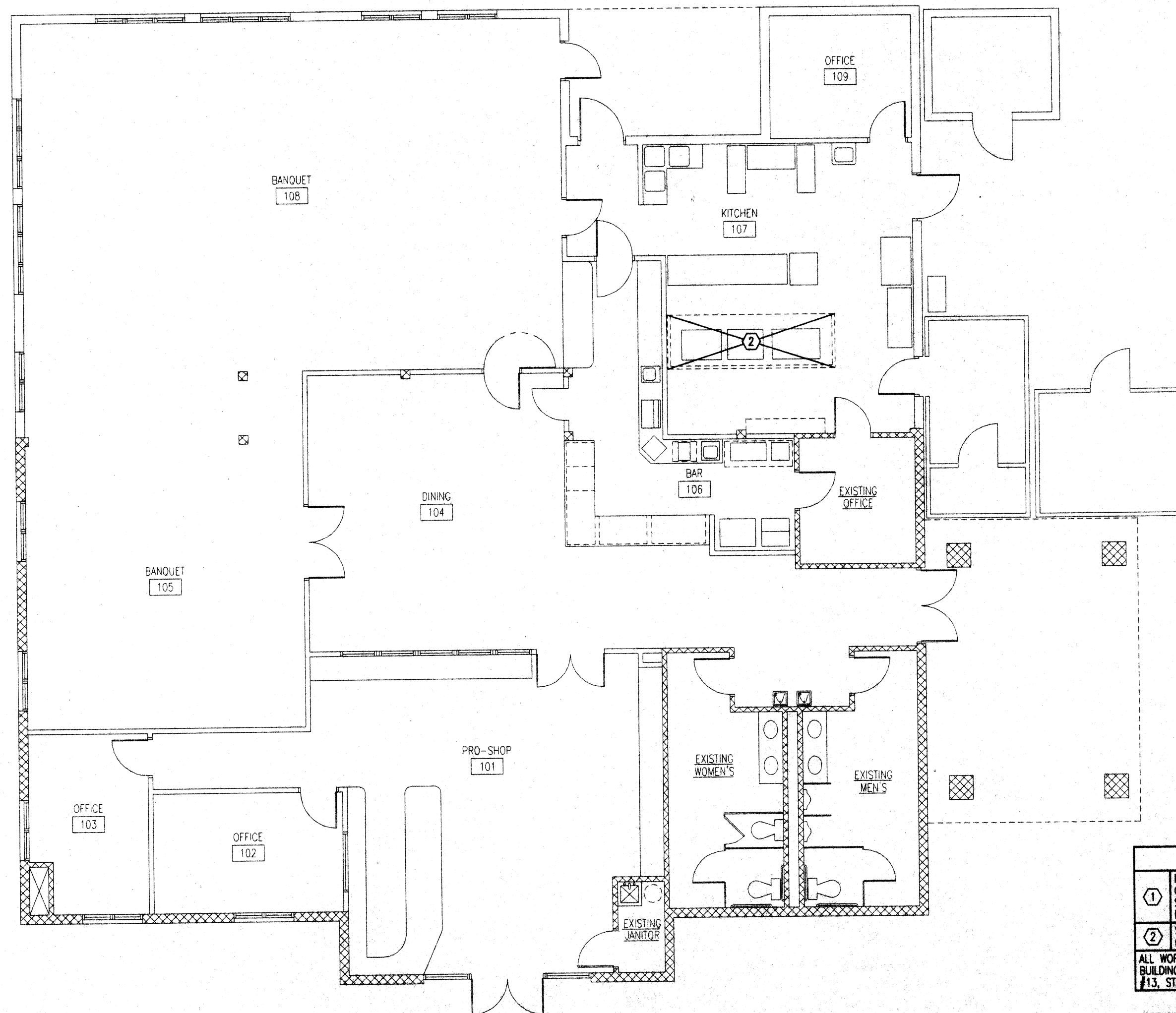
MOTTER & MEADOWS
ARCHITECTS

THE LEGENDS OF MASSILLON
CLUBHOUSE ADDITION AND RENOVATION



LOWER LEVEL FLOOR PLAN - FIRE PROTECTION

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



MAIN LEVEL FLOOR PLAN - FIRE PROTECTION

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

KEEP AT SITE

SPRINKLER DENSITIES	
①	PROVIDE AUTOMATIC SPRINKLER PROTECTION FOR AREA BASED ON ORDINARY HAZARD GROUP 2 OCCUPANCY. HYDRAULICALLY DESIGNED SYSTEMS SHALL PROVIDE 0.20 GPM/SQ. FT. OVER THE HYDRAULICALLY MOST REMOTE 1500 SQ.FT.
②	SEE SPECIFICATION SECTION 15510, 1.01-F FOR SPECIAL CONDITIONS REGARDING KITCHEN EXHAUST HOOD.
ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE OHIO BASIC BUILDING CODE (OBB), OWNER'S INSURANCE COMPANY, NFPA PAMPHLET #13, STATE FIRE MARSHAL AND LOCAL FIRE DEPARTMENT.	

SPRINKLER NOTES:	
1.)	SPRINKLER CONTRACTOR TO PROVIDE FIRE PROTECTION SYSTEM (WET PIPE) FOR DENSITIES INDICATED ON DRAWING.
2.)	ATTEMPT TO UTILIZE EXISTING SPRINKLER SYSTEM FOR TIE-IN OF NEW SPRINKLER HEADS.
3.)	STANDARD INDUSTRY PRACTICE TO BE UTILIZED FOR LAYOUT OF NEW AREAS (I.E. GROUND SYSTEM, CLOSED LOOP SYSTEM, ETC.) PROVIDING ADDITIONAL DEMAND WILL NOT INHIBIT PERFORMANCE OF EXISTING SYSTEM.

THIS DWG :
LOWER AND MAIN
FLOOR PLAN - FIRE
PROTECTION

COMM 99175
DATE 2-25-00

DWG
FP1

1821 FULTON ROAD NW CANTON OHIO 44709

MOTTEQ & MEADOWS
ARCHITECT &

THE LEGENDS OF MASSILLON
CLUBHOUSE ADDITION AND RENOVATION

THIS DWG :
LOWER AND MAIN
FLOOR PLAN - DEMO

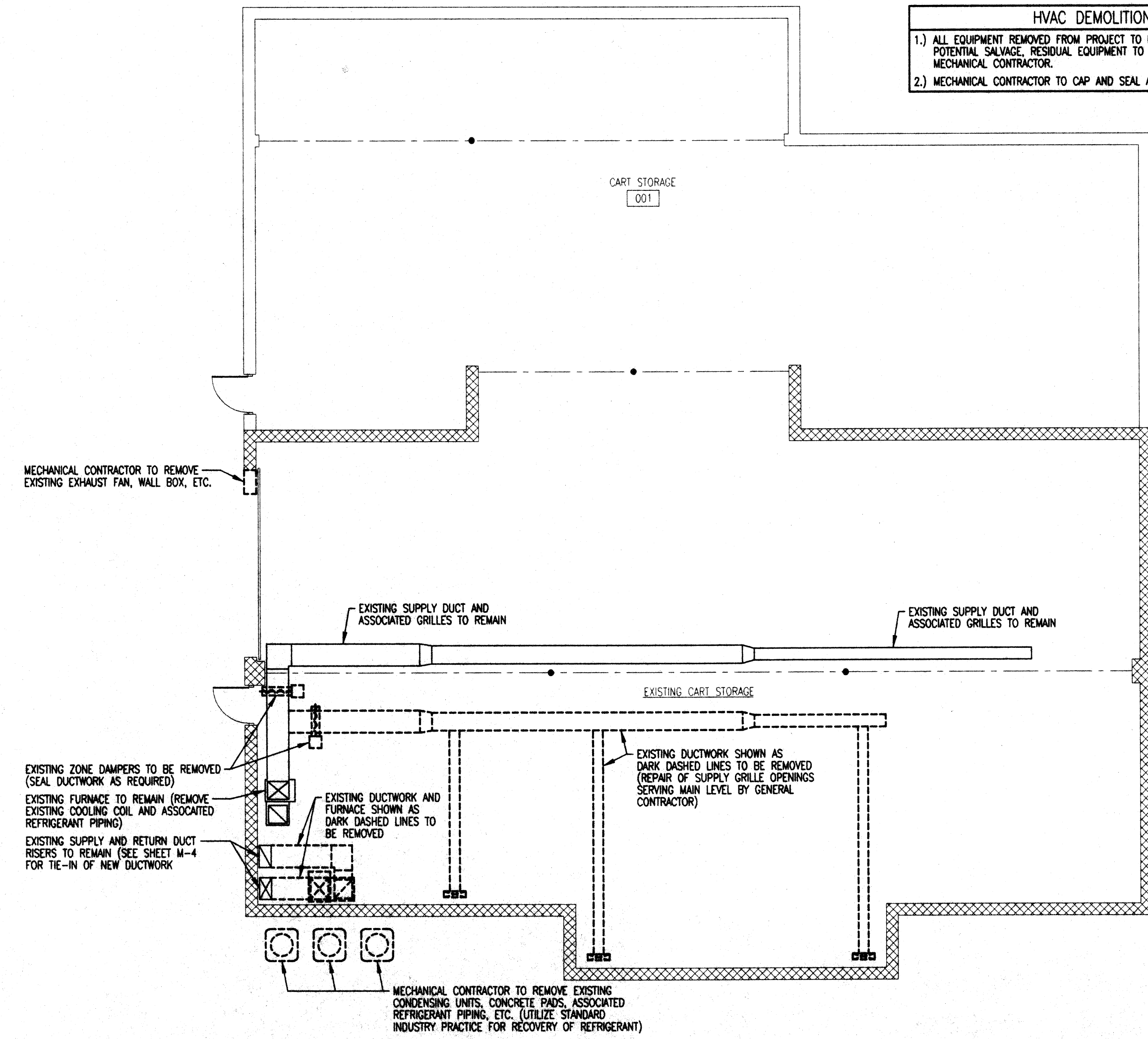
COMM 99175
DATE 2-25-00

DWG
M1

HVAC DEMOLITION NOTES

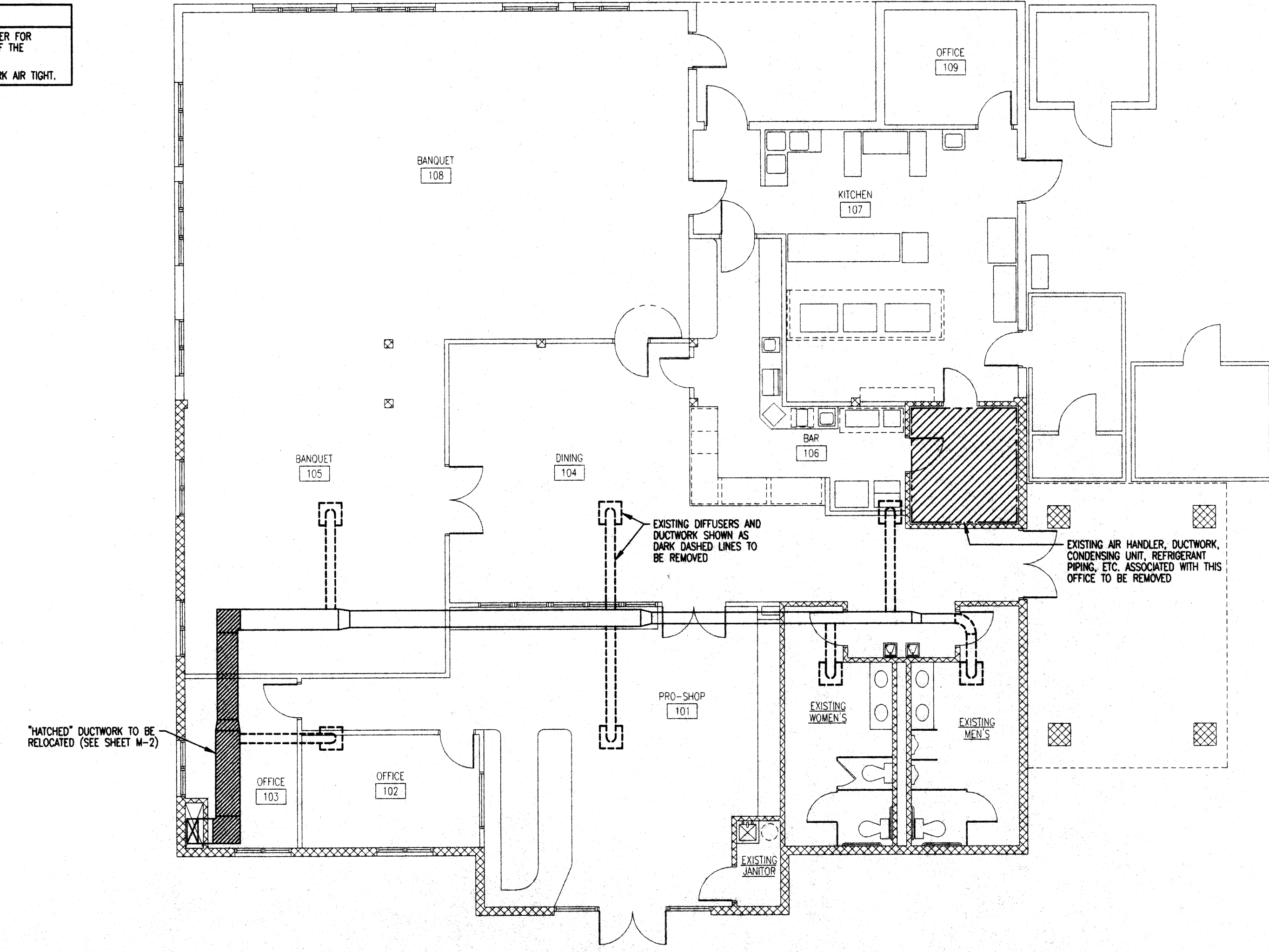
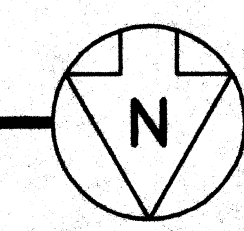
1.) ALL EQUIPMENT REMOVED FROM PROJECT TO BE REVIEWED BY OWNER FOR POTENTIAL SALVAGE. RESIDUAL EQUIPMENT TO BECOME PROPERTY OF THE MECHANICAL CONTRACTOR.

2.) MECHANICAL CONTRACTOR TO CAP AND SEAL ALL EXISTING DUCTWORK AIR TIGHT.



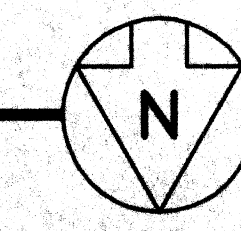
LOWER LEVEL FLOOR PLAN - DEMOLITION

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



MAIN LEVEL FLOOR PLAN - DEMOLITION

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



KEEP AT SITE

mds
& associates, inc.
consulting engineers
4125 HILLS & DALES RD., NW
CANTON, OHIO 44708-1681
PHONE: (330) 492-0874
FAX: (330) 492-7054
e-mail: mds7777@aol.com



FLUE NOTES
8" Ø VENT FLUE AND 6" SINGLE WALL INTAKE UP TO
CONCENTRIC ADAPTER AS SUPPLIER BY UNIT MANUFACTURER.

KITCHEN HOOD AIR BALANCE SCHEDULE				
DESCRIPTION	EXHAUST CFM	SUPPLY CFM	OUTSIDE AIR	+/- TOTAL
NEW HEATING AND A/C	0	7210	2015	+2015
KITCHEN HOOD (BY VENTMASTER)	4900	3820	0	-980
TOTAL POSITIVE PRESSURE				1035 CFM
WITHIN FACILITY				

NOTE: AS INDICATED ABOVE 1035 CFM (POSITIVE) EXISTS WITH THE PROPOSED DESIGN. ANY
ADDITIONAL HOOD CONFIGURATIONS BEING CONSIDERED FOR THIS SPACE SHOULD NOT
EXCEED THE REMAINING POSITIVE PRESSURE OF 1035 CFM WITHOUT COMPENSATING THE
KITCHEN WITH ADDITIONAL MAKE-UP AIR. ALL MECHANICAL WORK RELATED TO THE KITCHEN
AREA IS BEING SUPPLIED BY OTHERS. HOOD CONFIGURATIONS, EXHAUST FANS, MAKE-UP
AIR UNITS, ETC. MUST BE SUBMITTED BY A LICENSED DESIGN PROFESSIONAL TO THE
AUTHORITY HAVING JURISDICTION.

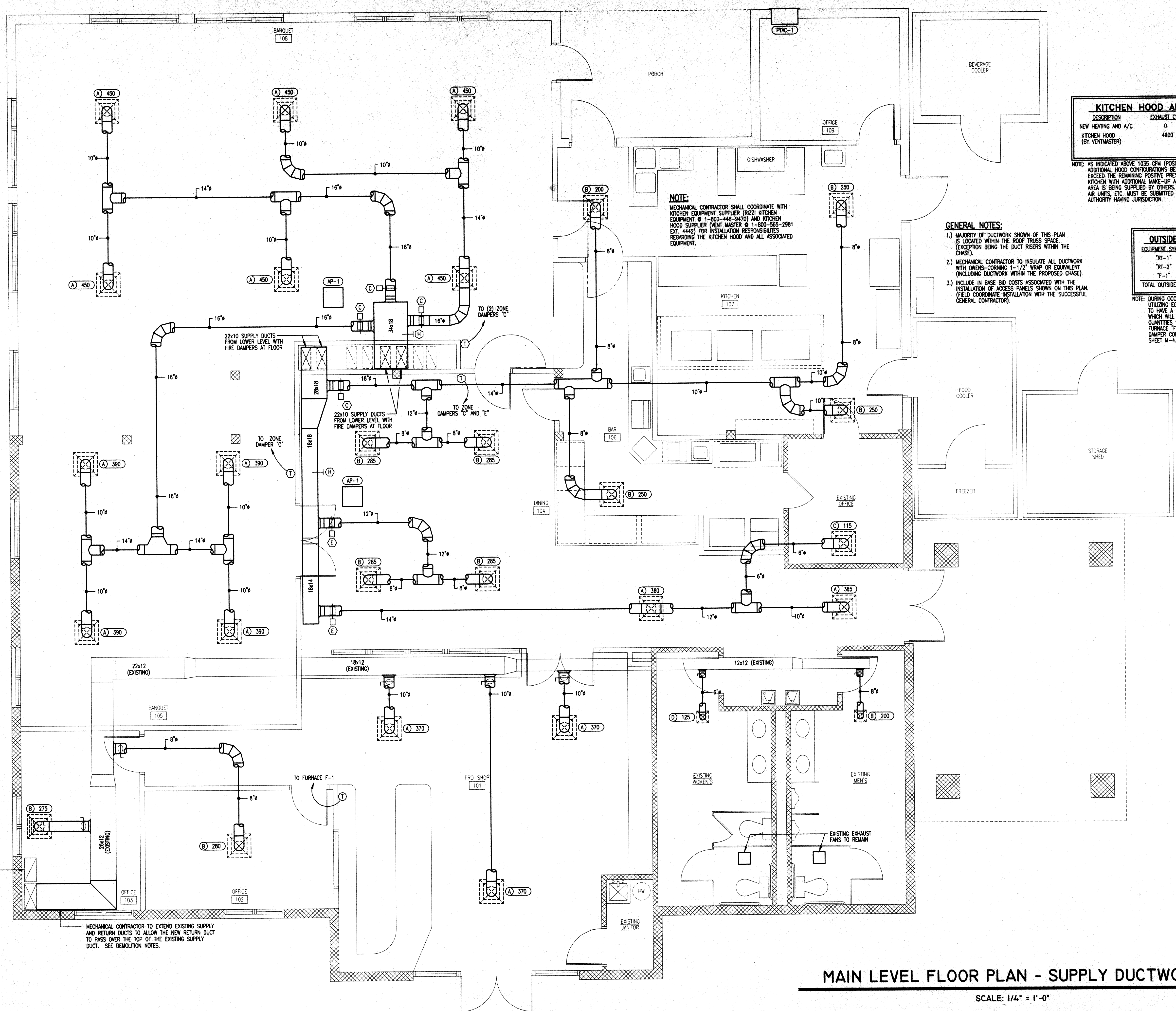
OUTSIDE AIR SUMMARY	
EQUIPMENT SYMBOL	OUTSIDE AIR
RT-1"	1190 CFM
RT-2"	825 CFM
T-1"	500 CFM
TOTAL OUTSIDE AIR	2515 CFM

NOTE: DURING OCCUPIED MODE, EQUIPMENT
UTILIZING ECONOMIZERS (RT-1 AND RT-2)
TO HAVE A MINIMUM O.A. DAMPER SETTING
WHICH WILL ENSURE SPECIFIED AIR
QUANTITIES SHOWN ABOVE ARE SATISFIED.
FURNACE T-1" SHALL UTILIZE A FIXED
DAMPER CONFIGURATION AS SHOWN ON
SHEET M-4.

GENERAL NOTES:

- 1.) MAJORITY OF DUCTWORK SHOWN OF THIS PLAN
IS LOCATED WITHIN THE ROOF TRUSS SPACE.
(EXCEPTION BEING THE DUCT RISERS WITHIN THE
CHASE).
- 2.) MECHANICAL CONTRACTOR TO INSULATE ALL DUCTWORK
WITH OWENS-CORNING 1-1/2" WRAP OR EQUIVALENT
(INCLUDING DUCTWORK WITHIN THE PROPOSED CHASE).
- 3.) INCLUDE IN BASE BID COSTS ASSOCIATED WITH THE
INSTALLATION OF ACCESS PANELS SHOWN ON THIS PLAN.
(FIELD COORDINATE INSTALLATION WITH THE SUCCESSFUL
GENERAL CONTRACTOR).

NOTE:
MECHANICAL CONTRACTOR SHALL COORDINATE WITH
KITCHEN EQUIPMENT SUPPLIER (RIZZI KITCHEN
EQUIPMENT @ 1-800-448-9470) AND KITCHEN
HOOD SUPPLIER (VENT MASTER @ 1-800-565-2981
EXT. 4442) FOR INSTALLATION RESPONSIBILITIES
REGARDING THE KITCHEN HOOD AND ALL ASSOCIATED
EQUIPMENT.

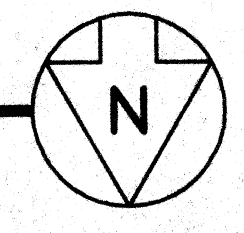


EXISTING 24x12 RETURN
RISER. SEE SHEET M3
FOR RETURN DUCTWORK

MECHANICAL CONTRACTOR TO EXTEND EXISTING SUPPLY
AND RETURN DUCTS TO ALLOW THE NEW RETURN DUCT
TO PASS OVER THE TOP OF THE EXISTING SUPPLY
DUCT. SEE DEMOLITION NOTES.

MAIN LEVEL FLOOR PLAN - SUPPLY DUCTWORK

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



KEEP AT SITE

1821 FULTON ROAD NW CANTON OHIO 44709

MOTTER & MEADOWS
ARCHITECTS

THE LEGENDS OF MASSILLON
CLUBHOUSE ADDITION AND RENOVATION

THIS DWG :
MAIN LEVEL FLOOR
PLAN - SUPPLY

COMM 99175
DATE 2-25-00

DWG
M2

mds
& associates, inc.
consulting engineers

4125 HILLS & DALES RD., NW
CANTON, OHIO 44708-1661
PHONE: (330) 492-0874
FAX: (330) 492-7054
e-mail: mds777@aol.com



1821 FULTON ROAD NW CANTON OHIO 44709

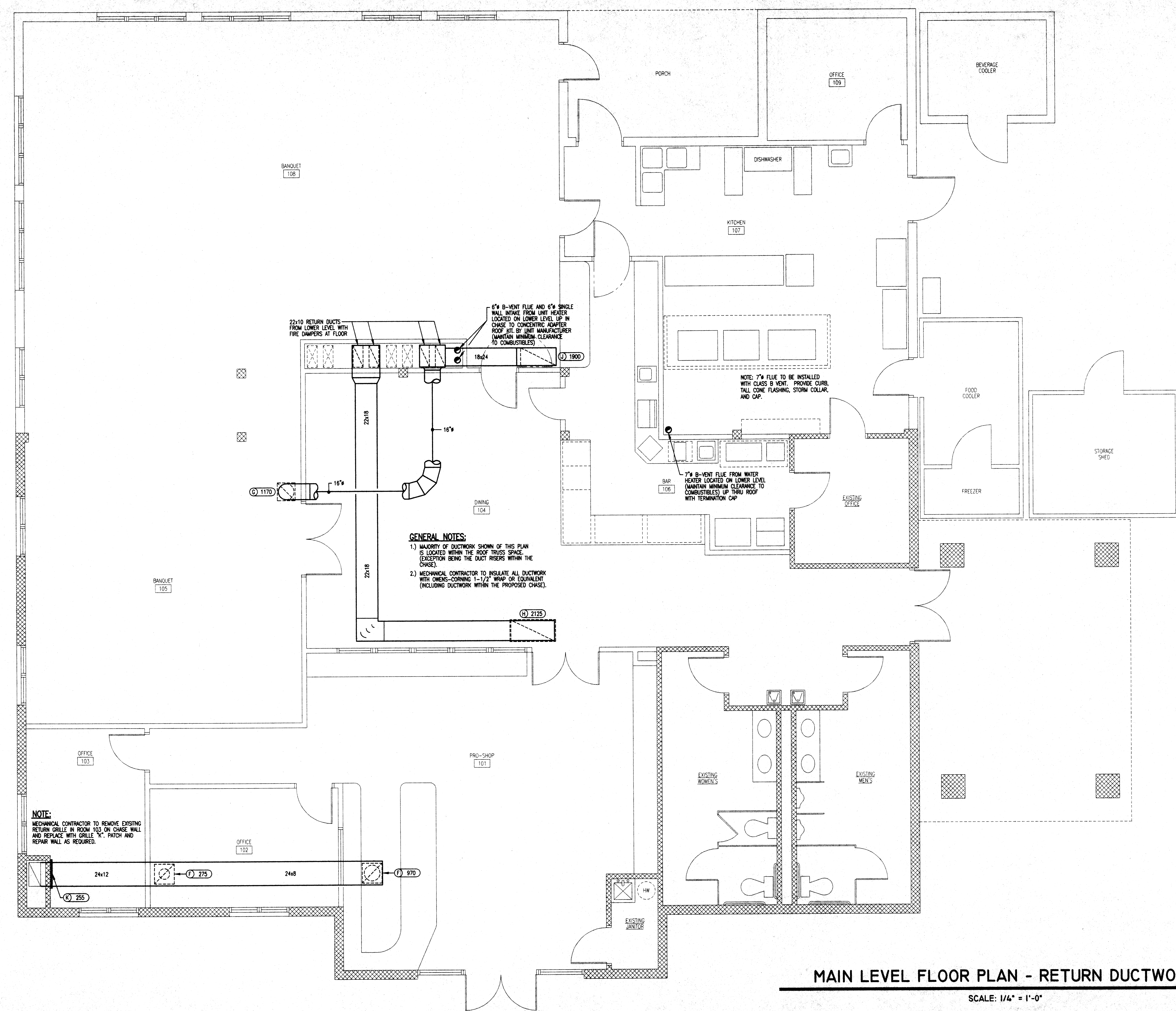
MOTTEQ & MEADOWS
ARCHITECT &

THE LEGENDS OF MASSILLON
CLUBHOUSE ADDITION AND RENOVATION

THIS DWG :
MAIN LEVEL FLOOR
PLAN - RETURN

COMM 99175
DATE 2-25-00

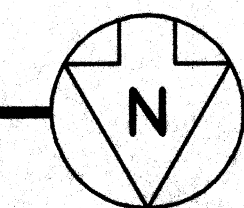
DWG
M3



KEEP AT SITE

MAIN LEVEL FLOOR PLAN - RETURN DUCTWORK

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



ROOFTOP HEATING AND AIR CONDITIONING UNIT SCHEDULE				
SYM.	DESCRIPTION	MFGR.	CAT. NO.	CAPACITY
RT-1	ROOFTOP AIR HANDLING UNIT	YORK	D40C120N200	NOMINAL 10.0 TON, 4000 CFM @ 1.0" ESP. COOLING: 123 MBH TOTAL, 92 MBH SENS. @ 95% AMBIENT HEATING: 245 MBH INPUT, 198 MBH OUTPUT, 2 STAGE NATURAL GAS WITH 1000 CFM O.A. 2" THROWAWAY FILTERS, ECONOMIZER, MIXING AIR DAMPER, AND INLET AIR RAIN HOOD (ECONOMIZER TO BE SET AT A MINIMUM 1100 CFM O.A.) COMPRESSOR MOTOR: (2) 5 HP, VOLTAGE 208/1/60, RATED LOAD AMPS 17.2 EACH LOCKED ROTOR AMPS 125 EACH CONDENSER FAN MOTOR: (2) 1/2 HP, VOLTAGE 108/3/60, FULL LOAD AMPS 2.3 EA. SUPPLY FAN MOTORS: 3 HP, 925 RPM, 2.03 BHP VOLTAGE 208/3/60 MIN. CIRCUIT AMPS 53.5 MAX. FUSE SIZE 60 AMPS WT 1272#
RT-2	ROOFTOP AIR HANDLING UNIT	YORK	D40C09N165	NOMINAL 7.5 TON, 3000 CFM @ 0.75" ESP. COOLING: 92.3 MBH TOTAL, 68.8 MBH SENS. @ 95% AMBIENT HEATING: 204 MBH INPUT, 163 MBH OUTPUT, 2 STAGE NATURAL GAS WITH 825 CFM O.A. 2" THROWAWAY FILTERS, ECONOMIZER, MIXING AIR DAMPER, AND INLET AIR RAIN HOOD (ECONOMIZER TO BE SET AT A MINIMUM 750 CFM O.A.) COMPRESSOR MOTOR: (2) 4 HP (NOMINAL), VOLTAGE 208/3/60, RATED LOAD AMPS 14.1 EACH LOCKED ROTOR AMPS 130 EACH CONDENSER FAN MOTOR: (2) 1/2 HP, VOLTAGE 108/3/60, FULL LOAD AMPS 2.3 EA. SUPPLY FAN MOTORS: 2 HP, 1070 RPM, 1.83 BHP VOLTAGE 208/3/60 MIN. CIRCUIT AMPS 43.8 MAX. FUSE SIZE 50 AMPS WT 1089#

GAS FIRED FURNACE SCHEDULE				
SYM.	DESCRIPTION	MFGR.	CAT. NO.	CAPACITY
F-1	GAS FIRED FURNACE	YORK	F4000N13001	1800 CFM @ 0.5" ESP. GAS FIRED FURNACE COOLING COIL: MODEL NO. C104000004 98.0 MBH TOTAL, 41.9 MBH SENS. HEATING: 140 MBH INPUT, 130 MBH OUTPUT, SINGLE STAGE NATURAL GAS 80% EFF. THROWAWAY FILTERS, PLUS (1) EXTRA SET SUPPLY FAN MOTOR: 1.0 HP, MULTI-SPEED, VOLTAGE 120/1/60 WT 180#

AIR COOLED CONDENSING UNIT SCHEDULE				
SYM.	DESCRIPTION	MFGR.	CAT. NO.	CAPACITY
CU-1	AIR COOLED CONDENSING UNIT	YORK	H20B00025	NOMINAL 5.0 TONS, 60.0 MBH TOTAL @ 95% AMBIENT, 45T SUCTION COMPRESSOR MOTOR: (1) 5.0 HP, VOLTAGE 208-230/1/60, RATED LOAD AMPS 16.0, LOCKED ROTOR AMPS 125.0 CONDENSER FAN MOTOR: (1) 1/4 HP, VOLTAGE 208/1/60, FULL LOAD AMPS 3.5, MIN. CIRCUIT AMPS 27.7 AMPS, MAX. FUSE SIZE 30 AMPS WT 210#

GAS FIRED UNIT HEATER SCHEDULE				
SYM.	DESCRIPTION	MFGR.	CAT. NO.	CAPACITY
UH-1	GAS FIRED UNIT HEATER (SEALED COMBUSTION)	REZNOR	SC4250	GAS FIRED UNIT HEATER COMPLETE WITH E-3 STAINLESS STEEL HEAT EXCHANGER, STAINLESS STEEL BURNERS WITH STAINLESS STEEL INSERT, STAINLESS STEEL DROP PAN, SPARK IGNITED INTERMITTENT SAFETY PILOT WITH ELECTRONIC FLAME SUPERVISION AND THERM LOCKOUT, AND TWO-STAGE BURNER CONTROLS HEATING: 250,000 BTU/HR INPUT, 200,000 BTU/HR OUTPUT, NATURAL GAS, TWO-STAGE THERMOSTAT VOLTAGE 120/1/60 WT 306#

ZONE CONTROL SCHEDULE				
SYM.	MFGR.	CAT. NO.	DESCRIPTION	
A	YORK	2CF04700124	MASTER CONTROLLER	
B	YORK	2M004701624	18" BYPASS DAMPER	
C	YORK	2M004701624	18" ZONE DAMPER WITH ZONE CONTROLLER MODEL NO. 2CF04700224	
D	YORK	2M004701424	14" ZONE DAMPER WITH ZONE CONTROLLER MODEL NO. 2CF04700224	
E	YORK	2M004701224	12" ZONE DAMPER WITH ZONE CONTROLLER MODEL NO. 2CF04700224	
F	YORK	2M004701024	10" ZONE DAMPER WITH ZONE CONTROLLER MODEL NO. 2CF04700224	
G	YORK	27504700324	SUPPLY AIR TEMPERATURE SENSOR	
H	YORK	27504700124	STATIC PRESSURE SENSOR	
I	YORK	27504700224	ZONE SENSOR (ADJUSTABLE)	

GRILLE AND DIFFUSER SCHEDULE				
SYM.	MFGR.	CAT. NO.	FACE SIZE	REMARKS
A	TITUS	TMS	24x24	10" W/O.B.D., SURFACE MOUNTED
B	TITUS	TMS	24x24	8" W/O.B.D., SURFACE MOUNTED
C	TITUS	TMS	24x24	6" W/O.B.D., SURFACE MOUNTED
D	TITUS	TMS	12x12	6" W/O.B.D., SURFACE MOUNTED
E	TITUS	PAR	24x24	10" SURFACE MOUNTED
F	TITUS	PAR	24x24	16" SURFACE MOUNTED
G	TITUS	PAR	20x20	18x18 SURFACE MOUNTED
H	TITUS	PAR	48x24	46x22 SURFACE MOUNTED
J	TITUS	PAR	36x20	34x18 SURFACE MOUNTED
K	TITUS	25RL	14x6	14x6 SURFACE MOUNTED

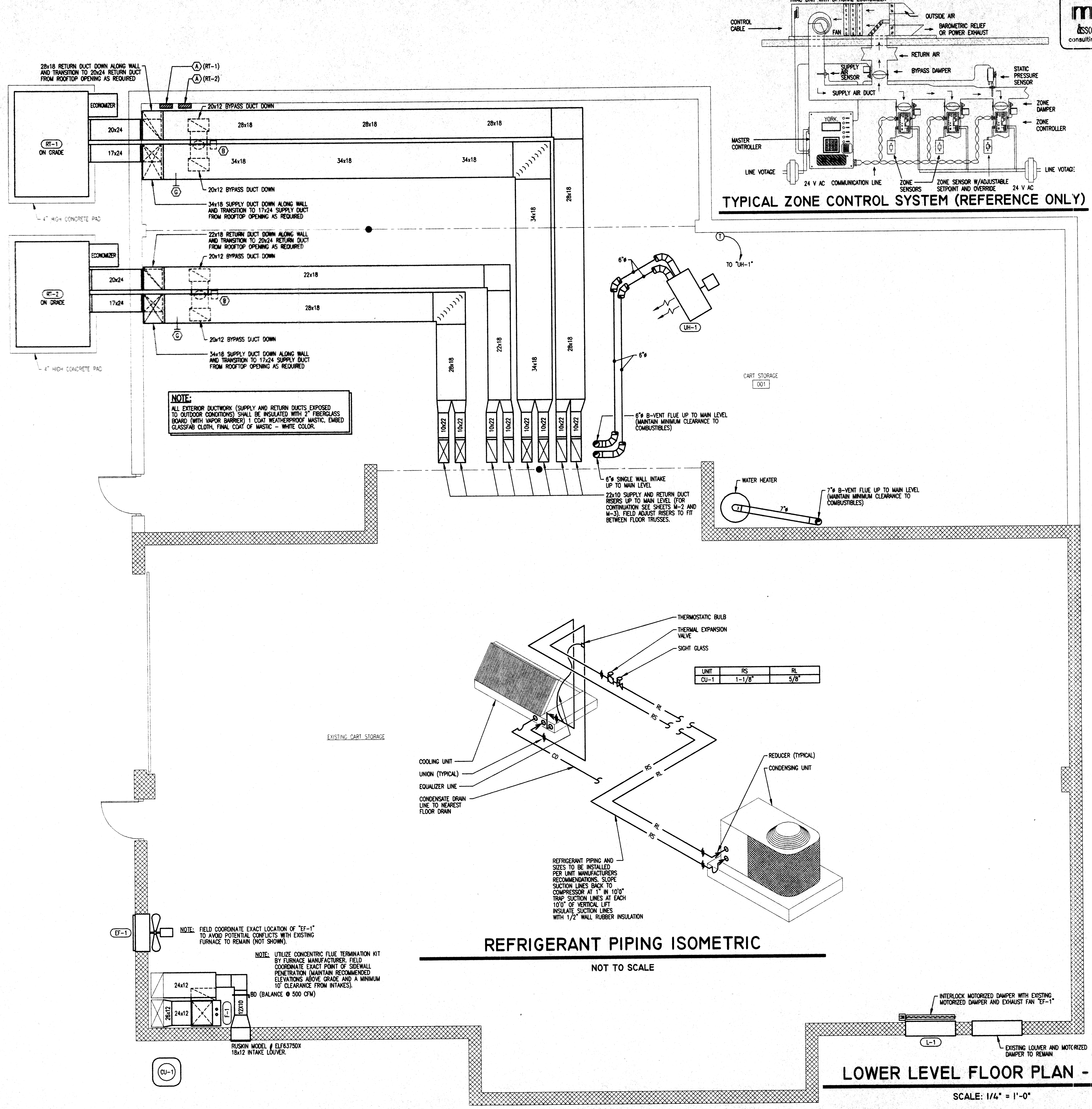
PACKAGE TERMINAL AIR CONDITIONER SCHEDULE				
SYM.	MFGR.	CAT. NO.	CFM	REMARKS
PTAC-1	FREEDRICH	WE09A330	260	3 KW ELECTRIC HEAT, WALL SLEEVE, REAR GRILLE, 4" SUPPORT BASE, 6" CORD, PLUG AND RECEPTACLE

EXHAUST FAN SCHEDULE				
SYM.	MFGR.	CAT. NO.	CFM	REMARKS
EF-1	COOK	24XLW	6000	3/4 HP, 25" SP. OSHA WIRE GUARD, WALL COLLAR, GSS WALL SHUTTER, AND WEATHER HOOD

INTAKE LOUVER SCHEDULE				
SYM.	MFGR.	CAT. NO.	SIZE	REMARKS
L-1	RUSKIN	ELF6375DX	48x24	6" DEEP, 1.5" FLANGE, WITH MOTORIZED DAMPER (INTERLOCK WITH EXISTING LOUVER AND DAMPER AND EXHAUST FAN "EF-1")

ACCESS PANEL SCHEDULE				
SYM.	MFGR.	CAT. NO.	SIZE	REMARKS
AP-1	MFAB	MI-SF	20x20	SURFACE MOUNTED, CONTOURED FRAME, DOOR PANEL HINGED FOR 175" OPENING

HVAC LEGEND				
101	ROOM NUMBER SYMBOL	○	ZONE CONTROL SYMBOL	
○	EQUIPMENT SYMBOL	⊙	THERMOSTAT	
○	GRILLE AND DIFFUSER SYMBOL			



TYPICAL ZONE CONTROL SYSTEM (REFERENCE ONLY)

mds
associates, inc.
consulting engineers

4125 HILLS & DALES RD., NW
CANTON, OHIO 44708-1681
PHONE: (330) 492-0874
FAX: (330) 492-7054
e-mail: mds777@aol.com



1821 FULTON ROAD NW CANTON OHIO 44709

MOTTER & MEADOWS
ARCHITECTS

THE LEGENDS OF MASSILLON
CLUBHOUSE ADDITION AND RENOVATION

THIS DWG :
LOWER LEVEL FLOOR
PLAN - HVAC
AND SCHEDULES

COMM 99175
DATE 2-25-00

DWG
M4

KEEP AT SITE



... 1821 FULTON ROAD NW CANTON OHIO 44709

MOTTER & MEADOWS
ARCHITECTS

THE LEGENDS OF MASSILLON

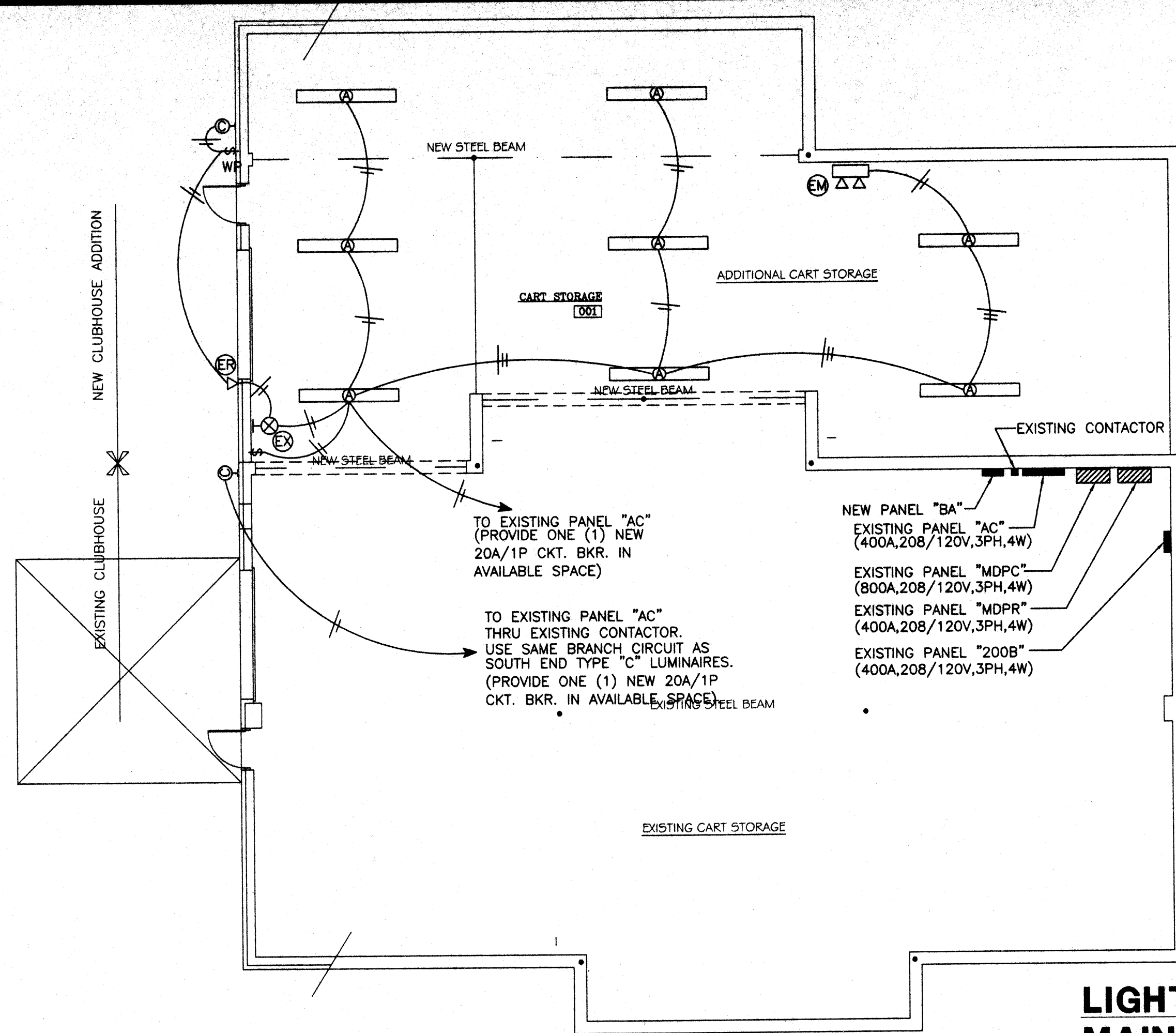


THIS DWG :

COMM 99175
DATE 3-6-2000

DWG
E-1

KEEP AT SITE

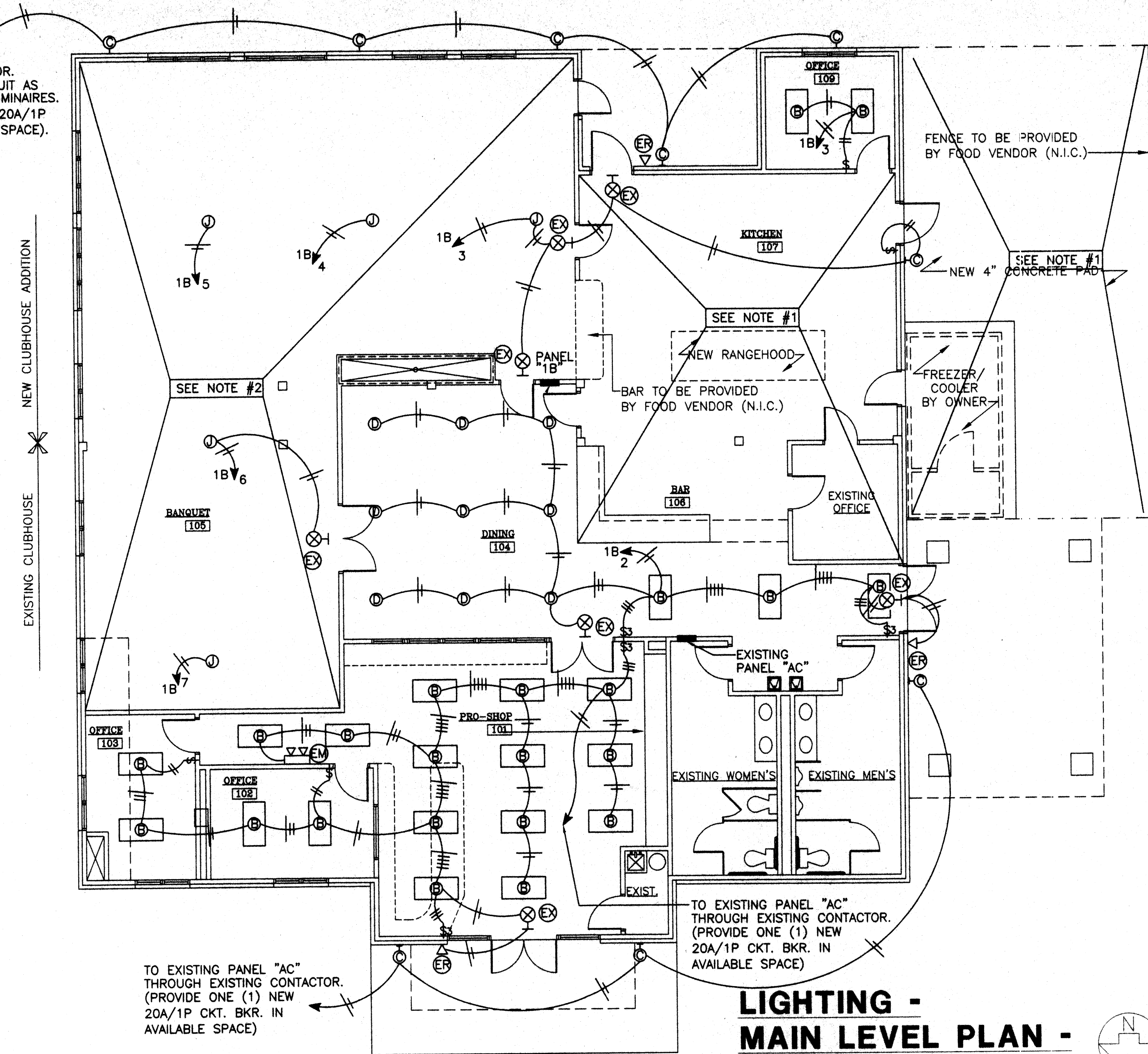


LIGHTING -
MAIN LEVEL PLAN -
ELECTRICAL

1/8"=1'-0"

LEGEND	
SYMBOL	DESCRIPTION
	DUPLIX CONVENIENCE OUTLET GF-GROUND FAULT INTERRUPTING WP-WEATHERPROOF AC-ABOVE COUNTERTOP X - EXISTING
	PTAC (18FLA, 208V, 1PH). PROVIDE A NEMA #6-20P RECEPTACLE TO MATCH PTAC PLUG.
	(2) 20AMP, 125V, TWIST-LOCK RECEPTACLES TO MATCH GOLF CART CHARGER PLUG. MOUNT IN 2 GANG BOX WITH COMMON COVERPLATE AT CEILING. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
	(1) 20AMP, 125V, TWIST-LOCK RECEPTACLES TO MATCH GOLF CART CHARGER PLUG. MOUNT IN SINGLE GANG BOX WITH COVERPLATE AT CEILING. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
	TELEPHONE/DATA SYSTEM OUTLET. EC TO PROVIDE 4" SQUARE BOX WITH PLASTER RING. PROVIDE 1" C WITH PULL WIRE FROM OUTLET TO ABOVE ACCESSIBLE CEILING (W - WALL MOUNT AT 48" AFF).
	JUNCTION BOX
	FLUORESCENT FIXTURE, NL = NIGHT LIGHT
	EXIT LIGHT
	SINGLE POLE SWITCH (M-MANUAL MOTOR STARTER).
	SWITCH - 3-WAY, 4-WAY
	EXISTING CONTACTOR.
	POWER PANEL
	MAIN DISTRIBUTION PANEL
	DISCONNECT SWITCH. FRAME SIZE/# OF POLES/# OF FUSES /VOLTAGE RATING/ENCLOSURE TYPE.
	SINGLE PHASE MOTOR WITH HORSEPOWER AS INDICATED.
	CONDUIT CONCEALED
	CONDUIT IN FLOOR OR UNDERGROUND
	CONDUIT HOME RUN WITH CIRCUIT NUMBER
	POINT OF CONNECTION TO ELECTRICAL EQUIPMENT. VERIFY EXACT LOCATION WITH RESPECTIVE EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
BFG	BELOW FINISHED GRADE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
EC	ELECTRICAL CONTRACTOR
MC	MECHANICAL CONTRACTOR

TO EXISTING PANEL "AC" THRU EXISTING CONTACTOR. USE SAME BRANCH CIRCUIT AS SOUTH END TYPE "C" LUMINAIRES. (PROVIDE ONE (1) NEW 20A/1P CKT. BKR. IN AVAILABLE SPACE).



LIGHTING -
MAIN LEVEL PLAN -
ELECTRICAL

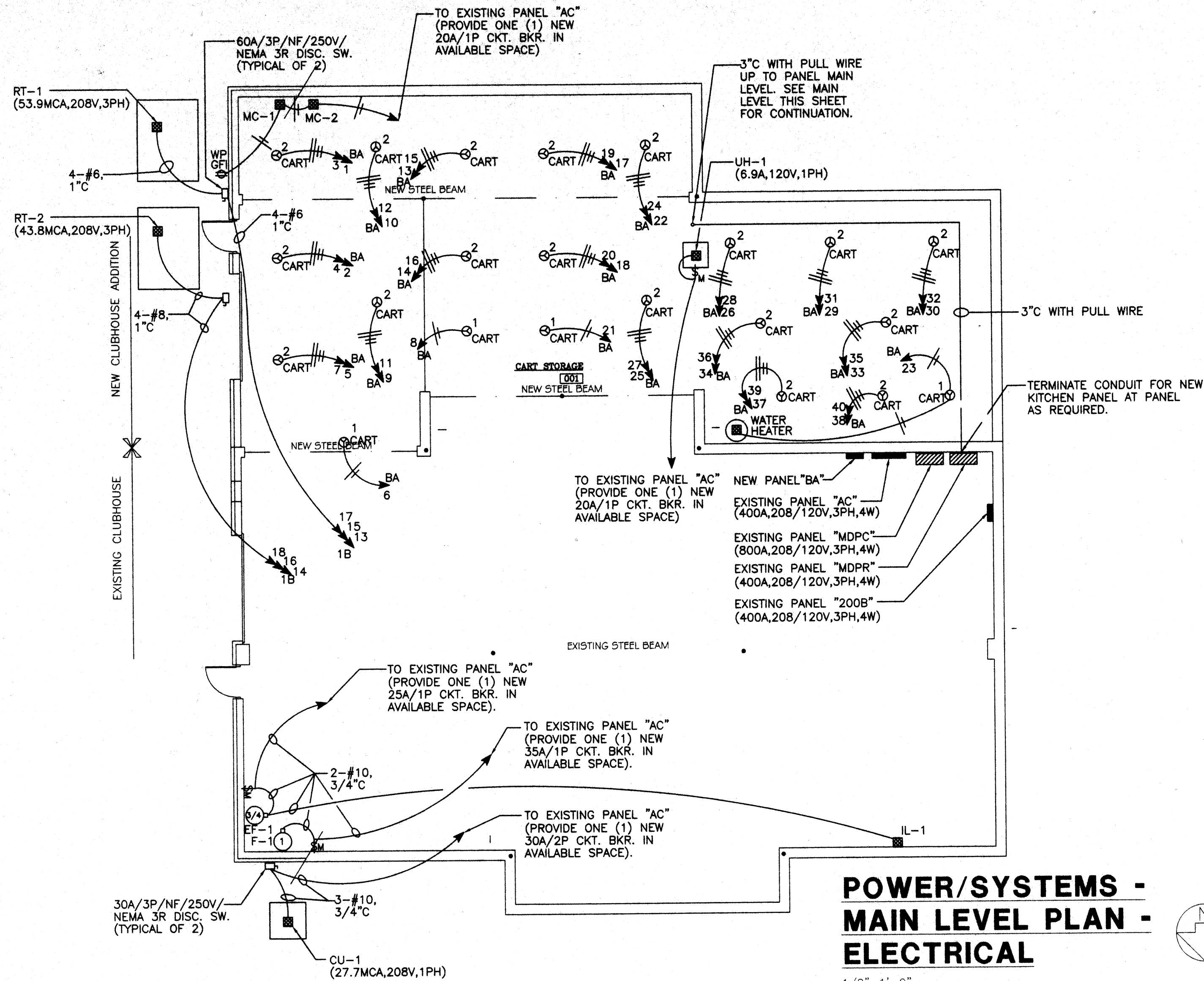
1/8"=1'-0"

GENERAL NOTES

- ALL LIGHTING ASSOCIATED WITH KITCHEN AND BAR AREA TO BE DONE BY OTHERS.
- LIGHTING IN BANQUET AREA TO BE DONE BY OTHERS. EC TO PROVIDE BRANCH CIRCUITS AS SHOWN. FIELD VERIFY LOCATION OF JUNCTION BOXES AS REQUIRED.
- ALL SITE LIGHTING WIRING TO BE AT LEAST #10 AWG.

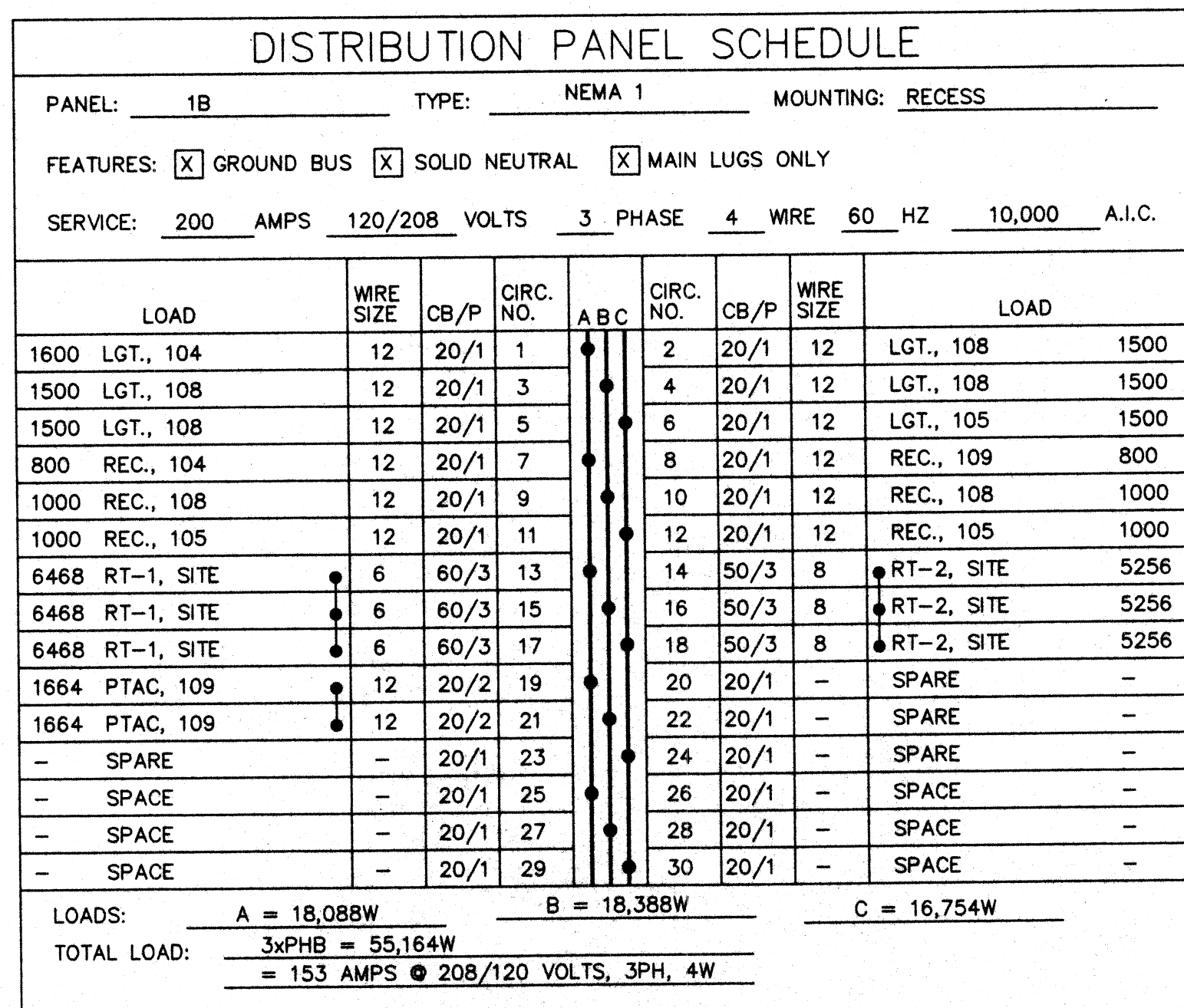
LUMINAIRE SCHEDULE

TYPE	MFG	CAT NO.	VOLT	LAMPS	MTG
A	LITHONIA - SURFACE STRIP	UN-296T8HO-120-CW20-(2) WGUNASR	120	(2) 96T8HO	CEILING SURFACE
B	LITHONIA - 2'X2' LAY-IN LENSED	2GT332-A12125-120-GEB	120	(2) F32T8	CEILING RECESS
C	LITHONIA - WALL PAK	TWA-100M-120-LPI	120	(1) 100M	WALL SURFACE
D	LITHONIA - DOWNLIGHT	R5MB120	120	(1) 75W PAR30	CEILING RECESS
E2	LITHONIA- EXIT SIGN/	LHQM-SW1R-120/277-HO	120/277	INTEGRAL	UNIVERSAL
EM	LITHONIA- EM. LIGHT	ELM2	120/277	INTEGRAL	UNIVERSAL
ER	LITHONIA- REMOTE HEAD	ELA-NX-H0606	120/277	INTEGRAL	WALL SURFACE



POWER/SYSTEMS - MAIN LEVEL PLAN - ELECTRICAL

1/8"=1'-0"



GENERAL NOTES

- ALL POWER/SYSTEM ELECTRICAL ITEMS ASSOCIATED WITH KITCHEN AND BAR AREA TO BE DONE BY OTHERS
- VERIFY ALL GOLF CART RECEPTACLE LOCATIONS WITH OWNER PRIOR TO ROUGH-IN.
- PROVIDE A FIRE ALARM SYSTEM DUCT DETECTOR IN RETURN AIR DUCT FOR HVAC UNITS RT-1 AND RT-2. INSTALL AT LOCATION AS DIRECTED BY MECHANICAL CONTRACTOR. PROVIDE A REMOTE DUCT DETECTOR AUDIBLE/TEST STATION WITH RESET FOR EACH RT UNIT ADJACENT TO PANEL "AC" AS REQUIRED. PROVIDE 4-#12, 1/2" FROM EACH DUCT DETECTOR TO RESPECTIVE REMOTE TEST STATION. PROVIDE 4-#12, 1/2" FROM EACH DUCT DETECTOR TO RESPECTIVE RT UNIT SHUTDOWN CONTACTS AS DIRECTED BY MECHANICAL CONTRACTOR.

KITCHEN SINGLE-LINE DIAGRAM

NO SCALE

GOLF COURSE SINGLE-LINE DIAGRAM

NO SCALE

KEEP AT SITE