

Utility Realignment
Massillon Psych. Center
DDMH
Massillon Ohio

The structural elements of these drawings have not been checked. The responsibility of these elements to meet all code requirements is the responsibility of the author of the drawings.
DIV. OF FACTORY AND BUILDING INSPECTION
DEPARTMENT OF INDUSTRIAL RELATIONS
STATE OF OHIO

AND APPROVED SUBJECT TO REQUIREMENTS OF:
Ohio Building Code (BB-51, Plumbing),
Cincinnati State or Local Health Department,
Ohio Elevator Code,
Ohio Boiler and Unfired Vessel Rules,
Ohio Pressure Piping Systems Rules,
Ohio Department of Industrial Relations,
Controlled Ohio Department of Industrial Relations,
And all other requirements of the Ohio Revised Code
Chapter: *see group U*
Construction and erection not in compliance with these approved plans is in violation of Section 3709.04 of the Ohio Revised Code.

All electrical work will be installed in accordance with the National Electrical Code.

PROJECT NO. 580-117-91-107

DEMO/UTILITY REALIGNMENT

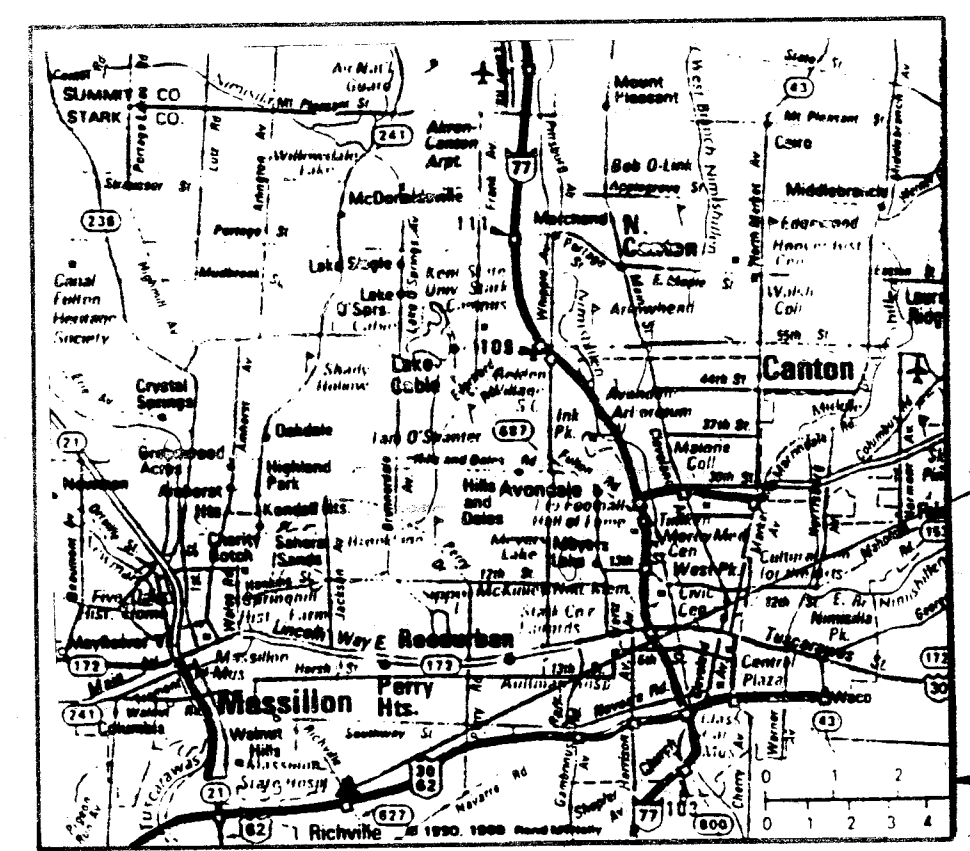
AT

MASSILLON PSYCHIATRIC CENTER

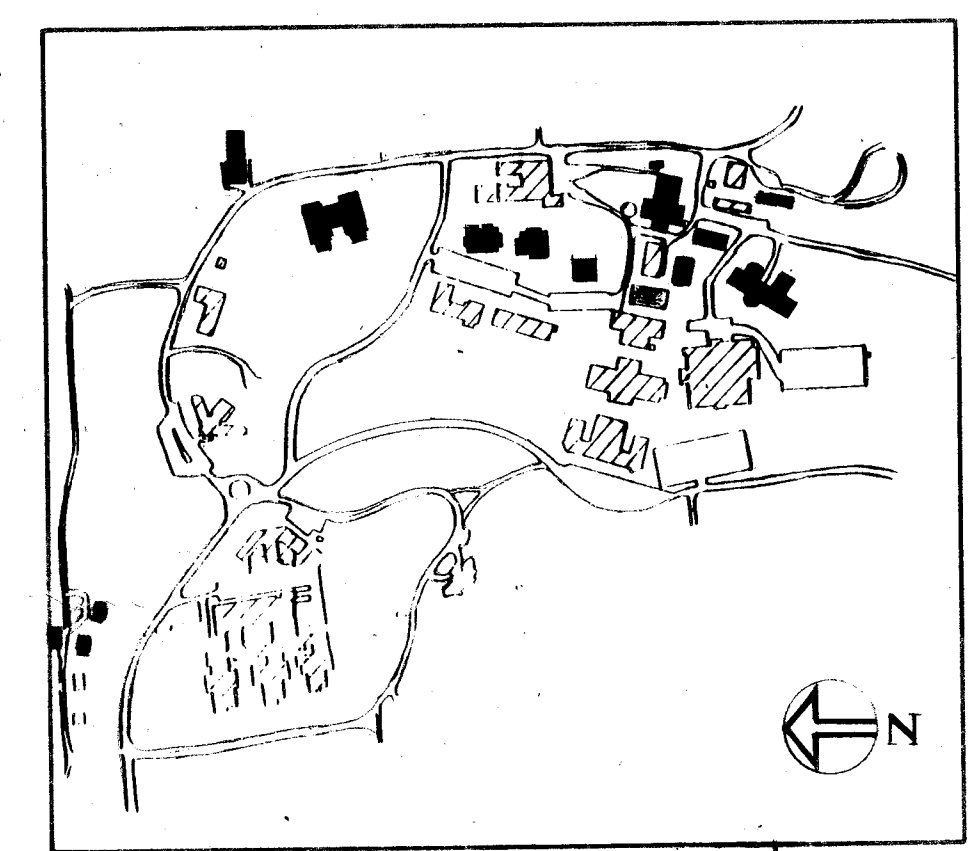
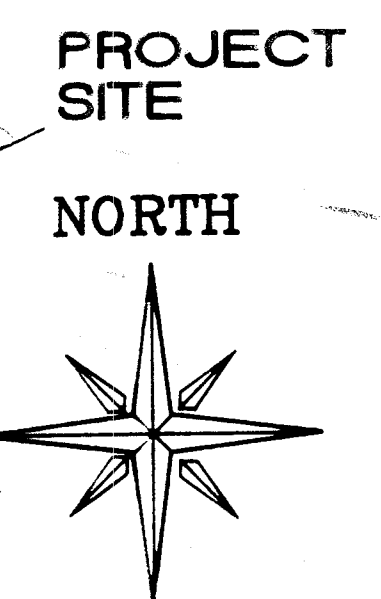
MASSILLON, OHIO

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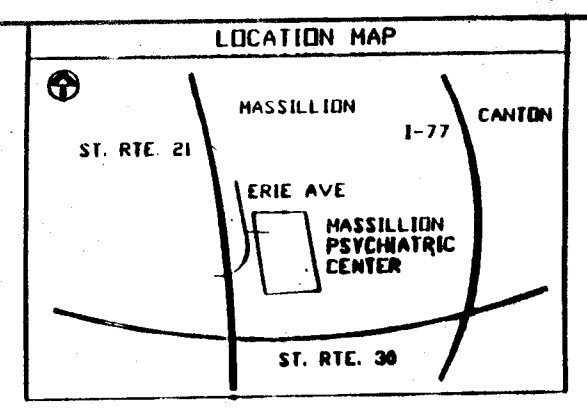
OHIO DEPARTMENT OF MENTAL HEALTH



SITE LOCATION PLAN



PROJECT SITE



VICINITY PLAN

MICHAEL F. HOGAN, PH.D., DIRECTOR
PREPARED FOR

DEPARTMENT OF ADMINISTRATIVE SERVICES

JAMES CONRAD

DIRECTOR

DIVISION OF PUBLIC WORKS

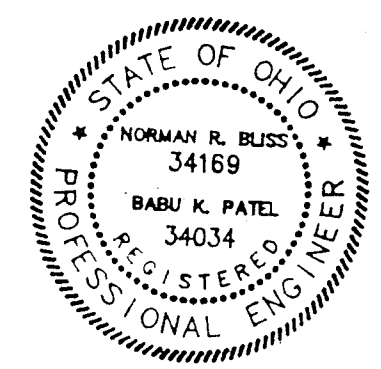
FRED W. FORBES, A.I.A. AND N.S.P.E.
JOSEPH F. BUSCH

DEPUTY DIRECTOR
STATE ARCHITECT

**DO NOT REMOVE
FROM FILE ROOM**

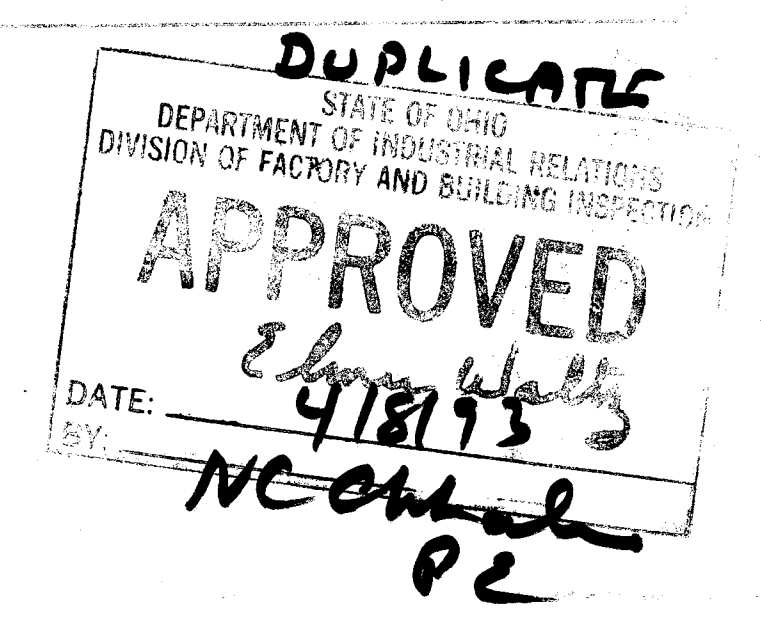
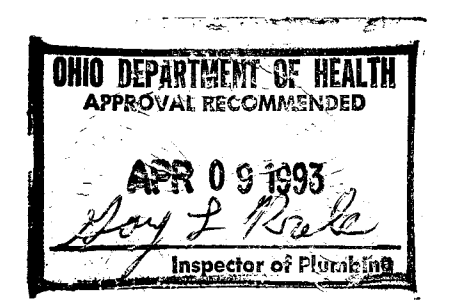
CONSTRUCTION DOCUMENTS

PREPARED BY
POLYTECH, INC.
ENGINEERS • ARCHITECTS • PLANNERS
CLEVELAND, OHIO



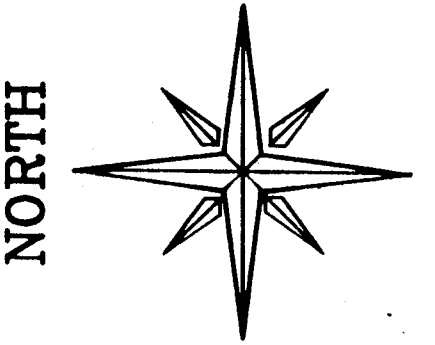
DRAWING INDEX	
SHEET NO.	TITLE
C-1	SURVEY BASE LINE PLAN
C-2	SURVEY DETAILS
C-3	SURVEY DETAILS
C-4	SITE LAYOUT & GRADING PLAN (SERVICE BUILDING)
D-1	DEMOLITION PLAN
S-1	GENERAL NOTES (SERVICE BUILDING)
S-2	PLANS & DETAILS (SERVICE BUILDING)
S-3	ELEVATIONS & DETAILS (SERVICE BUILDING)
S-4	TUNNEL CLOSURE PLAN
S-5	LATER SERVICE BUILDING (BOILER HOUSE)
M-1	MECHANICAL DEMOLITION PLAN
M-2	PLAN DETAILS, SCHEDULES (SERVICE BUILDING)
M-3	MECHANICAL PLAN WATER SERVICE BUILDING (BOILER HOUSE)
M-4	MECHANICAL DETAILS
P-1	PLUMBING BLOCK PLAN (SERVICE BUILDING)
E-1	ELECTRICAL DEMOLITION PLAN
E-2	ELECTRICAL DEMOLITION NOTES & PLAN
E-3	ELECTRICAL FLOOR PLAN (SERVICE BUILDING)
E-4	ELECTRICAL DETAILS (SERVICE BUILDING)
E-5	WATER SERVICE BUILDING ELECTRICAL

930926
930925
STARIC



UT-18

BUILDING DEMOLITION SCHEDULE		
BUILDING NO.	BUILDING NAME	PHASE
2002	CHICKEN COOP	1
6010	MAINTENANCE BUILDING (SHERARD)	2
6011	SOUTH	2
6013	COTTAGE 'H'	1
6014	COTTAGE 'G'	1
6016	NORTH	1
6031	RESIDENCE #1 & #2 (DUPLEX)	1
6032	RESIDENCE #3 & #4 (DUPLEX)	1
7002	HOUSEKEEPING BUILDING	2
7003	BOILER HOUSE	1
8003	GENERAL STORAGE	2
8013	FOUNDATIONS BUILDING	1
8014	RESIDENTS GARAGE	1



PROTECTION OF EXISTING TREES AND LAWNS:

PROVIDE PROTECTION OF EXISTING TREES. ERECT TEMPORARY FENCING AS REQUIRED TO PREVENT EQUIPMENT FROM DRIVING ACROSS AND COMPACTING THE SOIL AT THE ROOT ZONE. LOCATE FENCING AT THE DRIPLINE.

TREES THAT ARE DAMAGED AND/OR HAVE THE ROOT ZONE COMPACTED SHALL BE PRUNED TO OFFSET ROOT LOSS.

PENALTIES SHALL BE COLLECTED FOR LOST OR DAMAGED TREES AND/OR REPLACED AT CONTRACTORS EXPENSE.

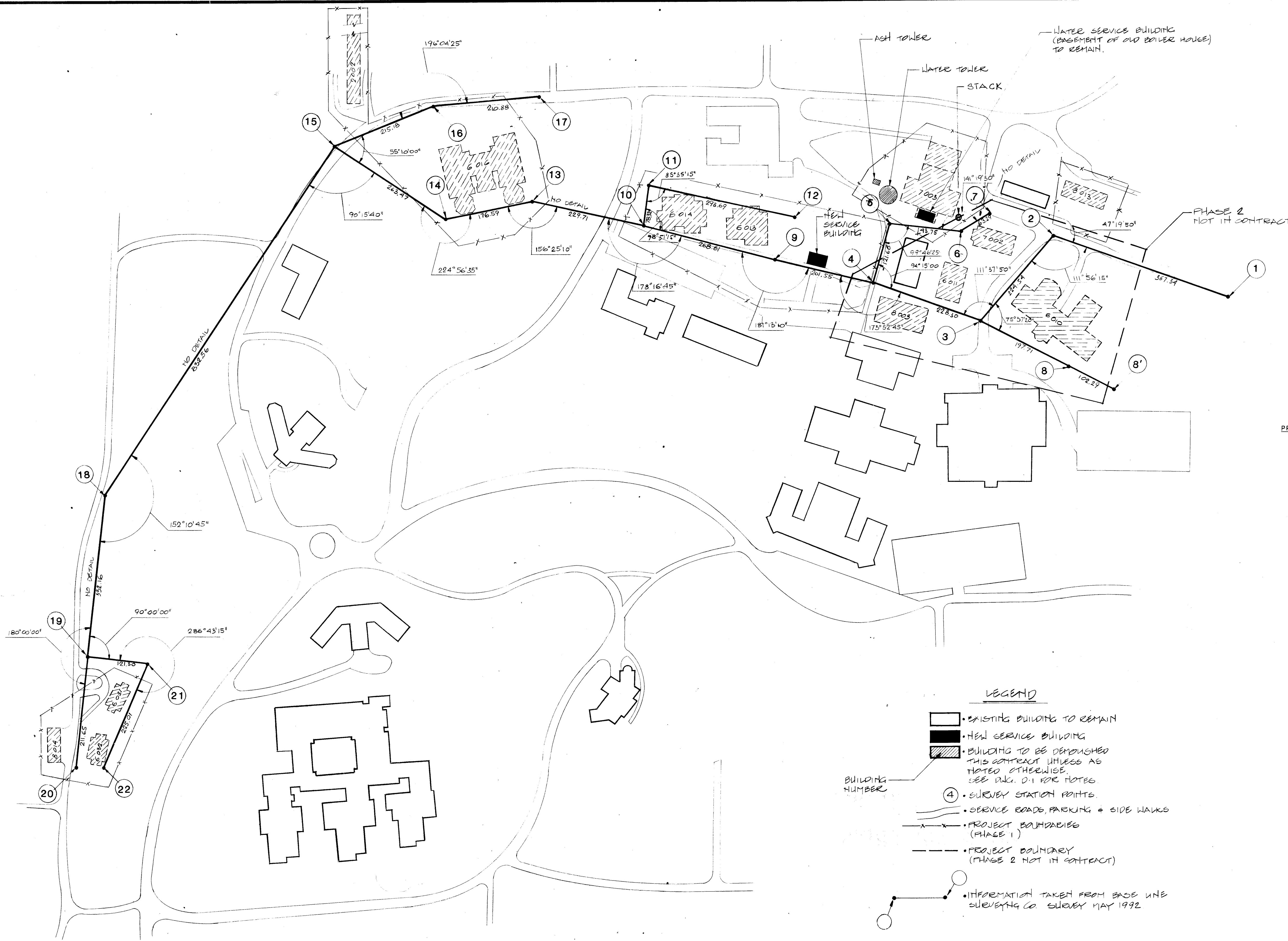
LOST TREES SHALL BE REMOVED, INCLUDING STUMP REMOVAL, AT CONTRACTORS EXPENSE.

CONTRACTOR MAY TRANSPLANT TREES UNDER 3" CALIPER TO NON-PROMINENT LOCATIONS (COORDINATE LOCATION WITH OWNER) INSTEAD OF PROTECTION.

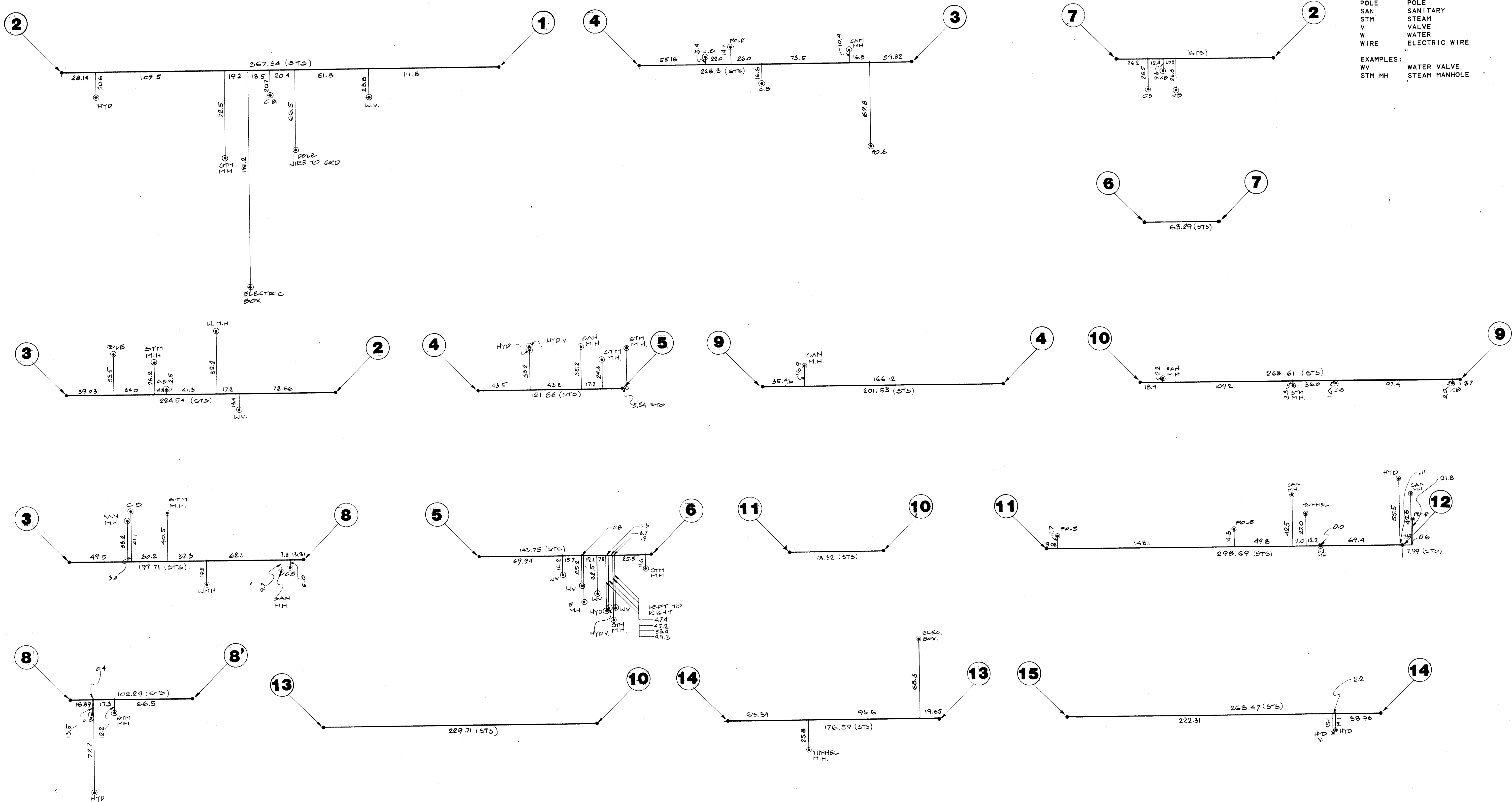
PROVIDE TEMPORARY EROSION CONTROL FOR DEMOLITION AREAS, CONSTRUCTION AREAS AND REGRADED AREAS PRIOR TO THE ESTABLISHMENT OF LAWN.

LEGEND

- EXISTING BUILDING TO REMAIN
- NEW SERVICE BUILDING
- BUILDING TO BE DEMOLISHED THIS CONTRACT UNLESS AS NOTED OTHERWISE. SEE DWG. D-1 FOR NOTES.
- SURVEY STATION POINTS
- SERVICE ROADS, PARKING & SIDE WALKS
- PROJECT BOUNDARIES (PHASE 1)
- PROJECT BOUNDARY (PHASE 2 NOT IN CONTRACT)
- INFORMATION TAKEN FROM BASE LINE SURVEYING CO. SURVEY MAY 1992



POLYTECH, INC.	APPROVALS DEPT. HEAD _____ PROJECT MGR. _____ GROUP HEAD _____		POLYTECH, INC. ENGINEERS • ARCHITECTS • PLANNERS	PROJECT TITLE PROJECT NO. 580-117-91-107 DEMO/UTILITY REALIGNMENT MASSILLON PSYCHIATRIC CENTER PREPARED FOR STATE OF OHIO DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF PUBLIC WORKS	ISSUED DATE _____ CHECKED BY _____ DATE _____	SHEET TITLE SURVEY BASE LINE PLAN	SCALE 1" = 100' DRAWN BY KAC CHECKED BY DRS DATE 11-16-92	SHEET NO. C-1
	PROJECT NO. 580-117-91-107							
	PROJECT NO. 580-117-91-107							



LEGEND

STS STATION TO STATION DISTANCE
STO STATION EXTENSION TO OFFSET

CB CATCH BASIN
E ELECTRIC
GRD GROUND
HYD HYDRANT
MH MANHOLE
POLE POLE
SAN SANITARY
STM STEAM
V VALVE
W WATER
WIRE ELECTRIC WIRE

EXAMPLES:
WV WATER VALVE
STM MH STEAM MANHOLE



APPROVALS

DEPT. HEAD _____

PROJECT MGR. _____

GROUP HEAD _____



POLYTECH, INC.

ENGINEERS • ARCHITECTS • PLANNERS

PROJECT TITLE

PROJECT NO. 580-117-91-107
DEMO/UTILITY REALIGNMENT
MASSILLON PSYCHIATRIC CENTER
PREPARED FOR STATE OF OHIO
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF PUBLIC WORKS

ISSUED DATE	DESCRIPTION

SURVEY DETAILS			
SCALE NTS	DRAWN BY J.F.	CHECKED BY D.R.S.	DATE 11/16/92

SHEET NO.
C-2

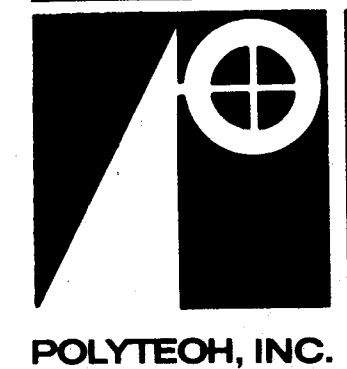
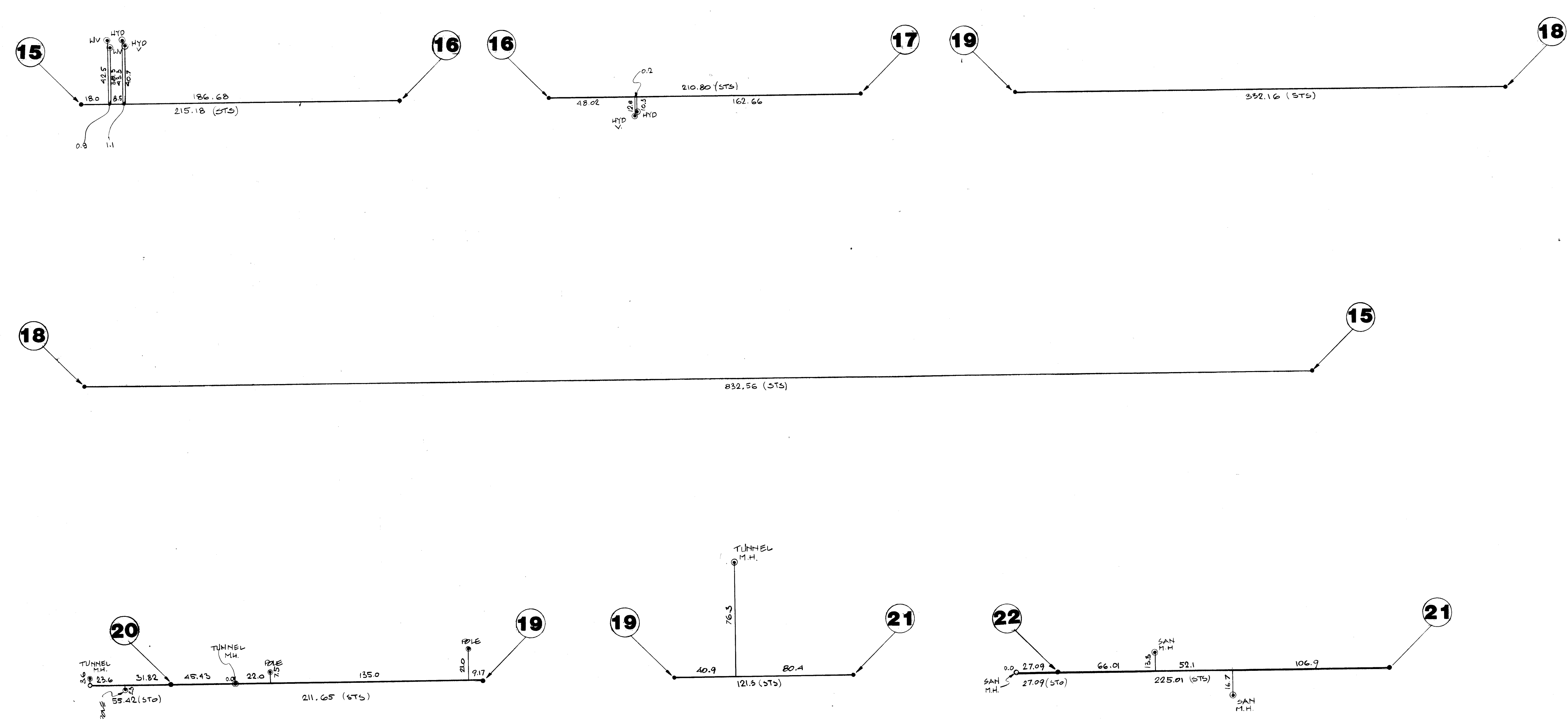
PROJECT NO.
580-117-91-107

LEGEND

STS STATION TO STATION DISTANCE
STO STATION EXTENSION TO OFFSET

CB CATCH BASIN
E ELECTRIC
GRD GROUND
HYD HYDRANT
MH MANHOLE
POLE POLE
SAN SANITARY
STM STEAM
V VALVE
W WATER
WIRE ELECTRIC WIRE

EXAMPLES:
WV WATER VALVE
STM MH STEAM MANHOLE

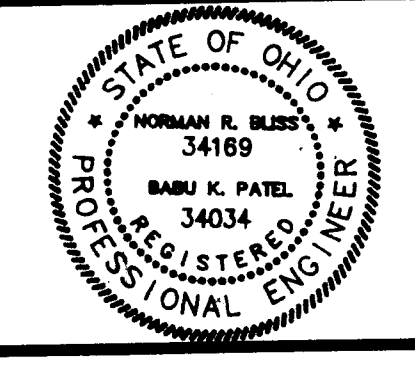


APPROVALS

DEPT. HEAD _____

PROJECT MGR. _____

GROUP HEAD _____



POLYTECH, INC.

ENGINEERS • ARCHITECTS • PLANNERS

☐ CLEVELAND ☐ MILWAUKEE ☐ HOUSTON
☐ ST. LOUIS ☐ DETROIT ☐ WASHINGTON, D.C.
☐ ATLANTA ☐ NASHVILLE ☐ NEW YORK CITY

PROJECT TITLE

PROJECT NO. 580-117-91-107
 DEMO/UTILITY REALIGNMENT
 MASSILLON PSYCHIATRIC CENTER
 PREPARED FOR STATE OF OHIO
 DEPARTMENT OF ADMINISTRATIVE SERVICES
 DIVISION OF PUBLIC WORKS

ISSUED DATE	DESCRIPTION

SHEET TITLE

SURVEY DETAILS

SCALE: NT 5

DRAWN BY: JF

CHECKED BY: DRS

DATE: 11-17-92

SHEET NO.

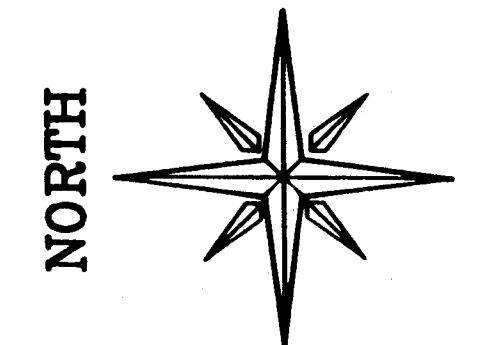
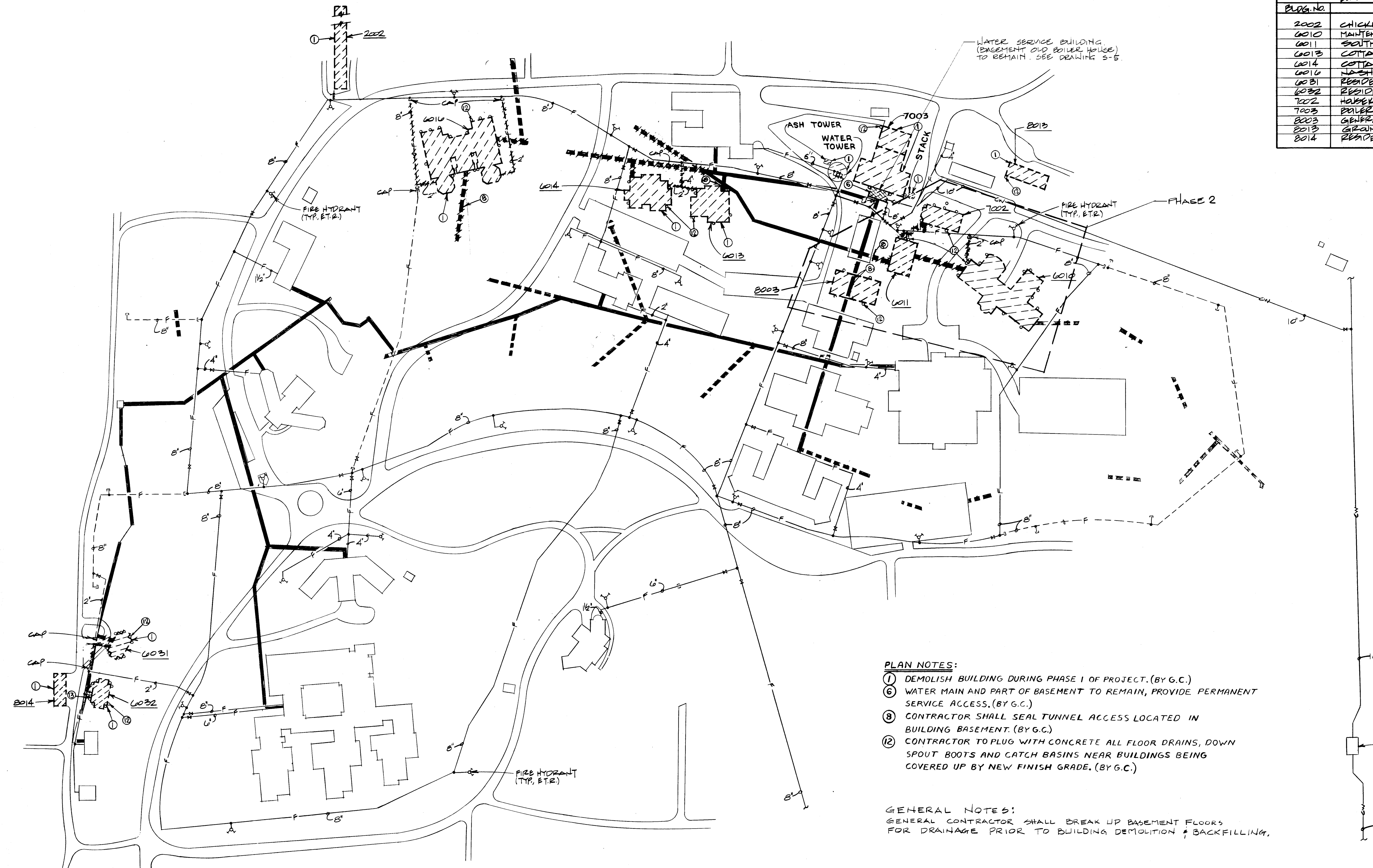
C-3

PROJECT NO.

580-117-91-107



BUILDING DEMOLITION SCHEDULE		
BLDG. NO.	BLDG. NAME	PHASE
2002	CHICKEN COOP	1
6010	MAINTENANCE BUILDING (ENHANCED)	2
6011	SOUTH	2
6013	COTTAGE 'H'	1
6014	COTTAGE 'G'	1
6016	NORTH	1
6031	RESIDENCE #1 #2 (DUPLEX)	1
6032	RESIDENCE #3 #4 (DUPLEX)	1
7002	HALLWAY BUILDING	2
7003	BOILER HOUSE	1
8003	GENERAL STORAGE	2
8013	GRANDS BUILDING	1
8014	RESIDENTS GARAGE	1



LEGEND

- BUILDINGS FOR DEMOLITION
- TUNNEL TO BE REMOVED
- DOWN SPOUT, CATCH BASIN
- BUILDING PART TO REMAIN
- ABANDONED FIRE LINE
- WATER LINE TO REMAIN
- TUNNELS IN USE
- TUNNELS ABANDONED TO BE DEMOLISHED
- TO REMAIN
- PROTECTION OF TREES & LAWN: SEE SHEET C-1

PLAN NOTES:

- ① DEMOLISH BUILDING DURING PHASE I OF PROJECT. (BY G.C.)
- ⑥ WATER MAIN AND PART OF BASEMENT TO REMAIN, PROVIDE PERMANENT SERVICE ACCESS. (BY G.C.)
- ⑧ CONTRACTOR SHALL SEAL TUNNEL ACCESS LOCATED IN BUILDING BASEMENT. (BY G.C.)
- ⑫ CONTRACTOR TO PLUG WITH CONCRETE ALL FLOOR DRAINS, DOWN SPOUT BOOTS AND CATCH BASINS NEAR BUILDINGS BEING COVERED UP BY NEW FINISH GRADE. (BY G.C.)

GENERAL NOTES:

GENERAL CONTRACTOR SHALL BREAK UP BASEMENT FLOORS FOR DRAINAGE PRIOR TO BUILDING DEMOLITION & BACKFILLING.

UTILITIES:

WATER:
OHIO WATER
P.O. BOX 664
MASSILLON, OH. 44648
(216) 833-4156

SANITARY/SEWER:
MASSILLON ENGINEERING DEPT.
ONE JAMES DUNCAN PLAZA
MASSILLON, OH. 44648
(216) 830-1724

GAS:
EAST OHIO GAS CO.
4725 SOUTHWAY S.W.
CANTON, OH. 44706
(216) 478-3128

	APPROVALS DEPT. HEAD _____ PROJECT MGR. _____ GROUP HEAD _____		POLYTECH, INC. ENGINEERS • ARCHITECTS • PLANNERS	PROJECT TITLE PROJECT NO. 580-117-91-107 DEMO/UTILITY REALIGNMENT MASSILLON PSYCHIATRIC CENTER PREPARED FOR STATE OF OHIO DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF PUBLIC WORKS	ISSUED DATE _____ DESCRIPTION _____ _____ _____	DEMOLITION PLAN	SHEET NO. D-1
	SCALE: 1" = 100' DRAWN BY: KD CHECKED BY: HS/HGA DATE: 11-17-92		PROJECT NO. 580-117-91-107				

GENERAL NOTES:

GENERAL:

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS RELATED TO UTILITIES, SERVICES, AND THE SITE.

COORDINATION WITH OTHER TRADES:

DIMENSIONS OF CONCRETE WORK SHALL BE VERIFIED BY RESPECTIVE TRADES.

EMBEDDED ITEMS AND OPENINGS REQUIRED FOR CIVIL, ARCHITECTURAL, UTILITY, ELECTRICAL, FIRE PROTECTION AND MECHANICAL SERVICES SHALL BE INCORPORATED INTO THE STRUCTURES WHETHER OR NOT DETAILED OR INDICATED ON THE DRAWINGS.

SLEEVES AND OPENINGS SHALL BE LOCATED IN A MANNER THAT WILL MAINTAIN THE STRUCTURAL INTEGRITY OF THE ROOF, FLOOR OR WALL SYSTEMS.

CONTRACTOR SHALL NOT USE SCALED DIMENSIONS.

CODES, SPECIFICATIONS & REFERENCES:

OBBC	OHIO BASIC BUILDING CODE
ACI 318-89	AMERICAN CONCRETE INSTITUTE (ACI) "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
ACI 301-89	"SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS"
ACI 530-88	"BUILDING CODE REQUIREMENTS FOR MASONRY"
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", SEPTEMBER 1, 1986.
AISC, 9th ed.	"SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"
AWS	AMERICAN WELDING SOCIETY (AWS) "STRUCTURAL WELDING CODE"
SDI	STEEL DECK INSTITUTE (SDI) "DESIGN MANUAL"
SJI	STEEL JOIST INSTITUTE (SJI) "STANDARD SPECIFICATIONS" AND "RECOMMENDED CODE OF STANDARD PRACTICE FOR STEEL JOISTS"

LOADS:

WIND LOAD	
speed.....	80 mph
exposure.....	C
SNOW LOAD	
drift.....	25 psf
as required by OBBC	
EARTHQUAKE.....	ZONE 1
GRAVITY DEAD LOADS (weights of materials)	
masonry	120 pcf
concrete.....	145 pcf

ENGINEERING PROPERTIES OF MATERIALS:

CONCRETE:	
ALL CONCRETE SHALL BE AIR ENTRAINED.....	5-7%
MAXIMUM AGGREGATE SIZE	1 inch
ADMIXTURES:	
WATER REDUCING, SET CONTROL, AND HIGH RANGE WATER REDUCING ADMIXTURES CAN BE USED AT THE DISCRETION OF THE CONTRACTOR PROVIDED MIX DESIGNS ARE DOCUMENTED PRIOR TO USE IN ACCORDANCE WITH REQUIREMENTS OF ACI 318-89 AND PROJECT SPECIFICATIONS, AND SUCH DOCUMENTATION SHOWS COMPLIANCE WITH THE PERFORMANCE REQUIREMENTS HEREIN AND IN THE PROJECT SPECIFICATIONS.	
SLUMP: (except concrete containing silica fume)	
maximum.....	5 inches
minimum.....	3 inches
MIX DESIGN.....	SUBMIT PRIOR TO USE
Submit strength records as required by ACI 318 and project specifications. MIX DESIGN SUBMITTAL WITHOUT STRENGTH RECORDS OR LABORATORY VERIFICATION SHALL BE REJECTED.	
FOOTINGS:	
compressive strength, f'c.....	4000 psi
maximum water-cement ratio (w/c).....	0.45
ALL OTHER CONCRETE:	
compressive strength, f'c.....	4000 psi
maximum w/c.....	0.40
REINFORCING STEEL.....	A615, GRADE 60
WELDED WIRE FABRIC (FLAT SHEETS).....	A-185
MASONRY:	
GROUT/CONCRETE BLOCK BOND BEAMS:	
compressive strength, f'c.....	3000 psi
maximum aggregate size.....	3/8 inches
LOAD BEARING CMU.....	ASTM C55, C90, OR C145 TYPE N1
MORTAR.....	TYPE M or S
COMPRESSIVE STRENGTH, f'c (min).....	1200 psi

METALS:

STRUCTURAL STEEL (Fy = 36,000 psi).....	A-36
STRUCTURAL STEEL TUBES (Fy = 46,000 psi).....	A-500 GRADE B
BOLTS.....	A325SC
STEEL JOISTS.....	K SERIES
METAL ROOF DECK.....	ASTM A446, GRADE A
with minimum yield strength of 33,000 psi, GALVANIZED	
PROVIDE 1-1/2 INCHES DEEP, 20 GAUGE, INTERMEDIATE RIB	
MASONRY ANCHOR BOLTS, MINIMUM 5/8 INCH DIAMETER, 16 INCHES LONG, UNLESS NOTED OTHERWISE.	

INSPECTION & MATERIALS TESTING:

(see project specifications for detailed requirements)
CONTRACTOR SHALL PROVIDE INSPECTION AND TESTING BY AN INDEPENDENT LABORATORY. A REPRESENTATIVE OF THE TESTING LABORATORY (INSPECTOR) SHALL BE ON-SITE CONTINUOUSLY DURING CONCRETE PLACEMENT. THE INSPECTOR SHALL CERTIFY PLACEMENT OF REINFORCING, FORM DIMENSIONS, LOCATION OF INSERTS, OPENINGS AND SHALL CONDUCT THE FOLLOWING TESTS:

CONCRETE TESTS:

FREQUENCY.....	one test/50 yds
orone test per class of concrete per day	
oras otherwise noted	
STRENGTH	
Number of cylinders.....	4 cylinders/test
Type cure.....	Laboratory
Test ages.....	1 @ 7 days
.....	2 @ 28 days
.....	1 reserve
ENTRAINED AIR	
exterior.....	one test/truck load
other.....	one test with strength test
FILL:	
INSPECTOR SHALL CONDUCT IN-PLACE DENSITY TESTS AND CERTIFY COMPLIANCE TO SPECIFICATIONS OF ALL FILL MATERIAL AND BEARING SURFACES INCLUDING FOOTINGS, FOUNDATIONS, AND SLABS ON GRADE.	

STEEL: AS REQUIRED BY PROJECT ADMINISTRATOR

SHOP DRAWINGS:

SHOP DRAWINGS SHALL CONFORM TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS UNLESS THE PROJECT ADMINISTRATOR HAS GIVEN WRITTEN APPROVAL FOR CHANGES.

CONTRACTOR SHALL REVIEW, CHECK AND STAMP "APPROVED" ALL SHOP DRAWINGS PRIOR TO SUBMITTING THEM TO THE PROJECT ADMINISTRATOR. SHOP DRAWINGS WHICH HAVE NOT BEEN STAMPED "APPROVED" BY THE CONTRACTOR OR DO NOT CONFORM TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS SHALL BE REJECTED.

TEMPORARY SHORING:

CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR TEMPORARY SHORING AS REQUIRED TO SUPPORT FORMS, DECKS, COLUMNS, WALLS AND OTHER ELEMENTS AS REQUIRED DURING CONSTRUCTION.

REMOVE TEMPORARY SHORING AFTER CONSTRUCTION IS COMPLETE.

FOUNDATIONS:

SITE MAY CONTAIN UNKNOWN SUBGRADE OBSTRUCTIONS OR NATURAL OBJECTS. CONTRACTOR SHALL IMMEDIATELY REPORT SUCH OBSTRUCTIONS, OR OTHER UNUSUAL SOIL CONDITIONS TO THE PROJECT ADMINISTRATOR BEFORE PROCEEDING WITH EXCAVATION. REMOVE SUCH OBSTRUCTIONS WHEN APPROVED BY THE PROJECT ADMINISTRATOR.

DESIGN BEARING PRESSURE: ALL FOOTINGS HAVE BEEN SIZED FOR A SAFE ALLOWABLE BEARING PRESSURE OF 1500 PSF. FOOTINGS SHALL BE SUPPORTED ON UNDISTURBED SOIL CAPABLE OF PROVIDING ALLOWABLE BEARING PRESSURE WITHOUT APPRECIABLE SETTLEMENT.

EARTH RETAINING STRUCTURES SHALL BE PROVIDED WHEREVER EARTH SLOPE EXCEEDS 2 HORIZONTAL TO 1 VERTICAL AWAY FROM THE BASE OF THE EXCAVATION.

WHERE FORCES FROM EXISTING STRUCTURES, ROADWAYS, WALKS, UTILITY LINES, OR OTHER ENCUMBRANCES COME ONTO TEMPORARY SHORING, THE CONTRACTOR SHALL PROVIDE SHORING OF ADEQUATE SIZE AND STRENGTH TO RESIST THE COMBINED EARTH AND ADJACENT SURCHARGE PRESSURES.

FOOTING EXCAVATIONS SHALL BE DONE WITH CARE TO MINIMIZE DISTURBANCE OF BEARING SURFACE. BACKHOE WITH TEETH SHALL NOT BE USED TO EXCAVATE THE BOTTOM 12 INCHES OF EXCAVATIONS. LOOSENED SOIL SHALL BE REMOVED BY HAND.

COMPACT SOIL AT THE BEARING SURFACE OF FOOTINGS AND FLOOR SLABS USING VIBRATORY COMPACTOR.

NOTIFY PROJECT ADMINISTRATOR OF UNUSUAL SOIL CONDITIONS.

ELEVATIONS ARE REFERENCED TO THE TOP OF FOOTINGS.

WALLS SHALL BE BRACED TO PREVENT DISPLACEMENT PRIOR TO BACKFILLING.

STEEL ROOF DECK:

DECK MANUFACTURER SHALL FURNISH SUMP PANS, AND STEEL CANT STRIPS.

DECK SHALL SPAN 4 OR MORE SUPPORTS, UNLESS SHOWN OTHERWISE.

COMPLY WITH STEEL DECK INSTITUTE SPECIFICATIONS FOR DECK ATTACHMENT AND CONNECTORS.

STEEL DECK SHALL BE ERECTED AND FASTENED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND ERECTION LAYOUTS.

CUTTING OPENING THROUGH THE DECK WHICH ARE LESS THAN 16 SQUARE FEET IN AREA AND ALL SKEW CUTTING SHALL BE PERFORMED IN THE FIELD.

STEEL CONSTRUCTION:

SHOP DRAWINGS:

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING CONFIGURATION AND DIMENSIONS OF MEMBERS, CONNECTIONS, TYPE OF ELECTRODES AND SIZE OF WELDS AND BOLTS.

CONNECTIONS:

CONNECTIONS SHALL DEVELOP ONE-HALF THE TOTAL UNIFORM LOAD CAPACITY OF THE BEAM.

COLUMN BASE:

PROVIDE (4) 3/4 INCH ANCHOR BOLTS FOR COLUMN BASE PLATES.

PROVIDE 1 INCH MINIMUM NON-SHRINK GROUT.

WELDING ELECTRODES SHALL BE E70XX EXCEPT WHERE OTHER ELECTRODES ARE REQUIRED FOR COMPATIBILITY WITH MATERIAL BEING WELDED.

PAINTING:

PROVIDE SHOP COAT OF RUST-INHIBITIVE PAINT.

OMIT PAINT AT SLIP CONNECTIONS AND AREAS TO BE FIELD WELDED.

PROVIDE FIELD COAT OF FINISH PAINT. SEE PAINTING BELOW AND SPECIFICATIONS.

LOOSE LINTEL SCHEDULE:

THIS SCHEDULE APPLIES TO NON-BEARING MASONRY WALLS ONLY. FOR LINTELS IN BEARING WALLS SEE DRAWINGS OR CONTACT ENGINEER. FOR LINTELS AT OPENINGS GREATER THAN 8 FEET SEE DRAWINGS OR CONTACT ENGINEER.

opening width	size
LESS THAN 6'-0"	nominal 8 inch walls
6'-0" through 8'-0"	(2) 3-1/2 x 2-1/2 x 1/4 LLH
	(2) 3-1/2 x 3-1/2 x 3/8
LESS THAN 6'-0"	nominal 12 inch walls
6'-0" through 8'-0"	(3) 3-1/2 x 2-1/2 x 1/4 LLH
	(3) 3-1/2 x 3-1/2 x 3/8

LINTELS SHALL BE SHOP PAINTED.

LINTELS SHALL HAVE MINIMUM BEARING AT EACH END OF 1 INCH PER FOOT OF OPENING (6 INCHES MINIMUM) EXCEPT AS DETAILED. LINTELS SHALL HAVE 3 COURSES, MINIMUM, SOLID MASONRY BELOW BEARING POINTS AND SHALL EXTEND OVER THE FULL BEARING AREA.

LINTEL BEARING PLATES SHALL BE HELD BACK FROM FACE OF MASONRY AT OPENING 2 INCHES, MINIMUM. PROVIDE FLEXIBLE CAULK BETWEEN LINTEL AND MASONRY. MATCH MORTAR COLOR.

BOTTOM PLATES SHALL BE 1/2 INCH LESS IN WIDTH THAN SUPPORTED MASONRY. STOP BOTTOM PLATES AT FACE OF MASONRY OPENING.

WELD BOTTOM PLATES TO LINTELS WITH 1/4 INCH FILLET X 3 INCHES LONG AT 9 INCHES ON CENTER.

STEEL JOIST CONSTRUCTION:

CONFORM TO THE STANDARD SPECIFICATIONS AND CODE OF STANDARD PRACTICE FOR STEEL JOISTS AND JOIST GIRDERS.

PROVIDE STEEL JOIST END ANCHORAGE, BRIDGING, AND BRIDGING ANCHORAGE IN ACCORDANCE WITH SJI AND DETAILS.

WELD STEEL JOIST BEARING ENDS TO STEEL SUPPORTS OR BEARING PLATES. MINIMUM (2) 1" LONG X 1/8" FILLET WELDS.

CONCRETE WORK:

PROVIDE INSERTS WHERE REQUIRED.

WELDING OF REINFORCING STEEL NOT PERMITTED WITHOUT WRITTEN APPROVAL OF THE ENGINEER.

ALL EXPOSED CORNERS OF CONCRETE BEAMS, COLUMNS, AND WALLS TO BE CHAMFERED 45 DEGREES. MINIMUM CHAMFER 1/2 INCH, EXCEPT WHERE CONCRETE BLOCK MASONRY ABUTS CONCRETE IN THE SAME PLANE; CHAMFER CONCRETE TO MEET MASONRY.

REINFORCING FOR SLABS ON GRADE SHALL BE LOCATED 1 INCHES FROM THE TOP SURFACE. SUCH REINFORCING SHALL BE SUPPORTED BY CHAIRS OR CONCRETE BRICKS. HOOKING, WALKING-IN OR SUPPORT BY PLASTIC CONCRETE MOUNDS TO POSITION REINFORCING STEEL: NOT PERMITTED.

LAP REQUIREMENTS: CONFORM TO ACI 318-89 REQUIREMENTS.

MASONRY WORK:

MASONRY UNITS SHALL BE LAID WITH FULL MORTAR HEAD, BED, AND WEB JOINTS. MASONRY TO BE RUNNING BOND. TIE ALL CORNERS WITH MASONRY BOND.

MASONRY WALLS SHALL BE ADEQUATELY BRACED TO RESIST WIND AND OTHER LOADS IMPOSED DURING CONSTRUCTION.

PROVIDE A MINIMUM OF 16" SOLID MASONRY UNDER THE BEARING ENDS OF ALL BEAMS, AND 8" OF SOLID MASONRY (OR BOND BEAM) UNDER THE BEARING ENDS OF ALL JOISTS, SLABS AND LINTELS.

PROVIDE HORIZONTAL JOINT REINFORCEMENT, GALVANIZED LADDER TYPE WITH No. 9 WIRE, AT 16" CENTERS VERTICALLY.

PROVIDE MASONRY ANCHORS FOR METAL FRAMES (ADJUSTABLE T OR SLOTTED ANCHORS).

CONFORM TO ACI "BUILDING CODE REQUIREMENTS FOR MASONRY"

FILL GROUTED JAMB SHOWN ON PLAN WITH 3,000 psi GROUT BY THE LOW-LIFT METHOD.

PROVIDE 48d LAP SPLICE AT VERTICAL REINFORCING

WELDING OF REINFORCING STEEL NOT PERMITTED WITHOUT WRITTEN APPROVAL OF THE ENGINEER.

THERMAL & MOISTURE PROTECTION:

INSULATION:

SUBMIT INSULATION MATERIALS TO THE PROJECT ADMINISTRATOR FOR APPROVAL.

PROVIDE MINIMUM R-19 AT ROOFS AND R-12 AT WALLS.

ROOFING:

SUBMIT ROOFING PRODUCTS TO THE PROJECT ADMINISTRATOR FOR APPROVAL.

PAINTING:

PRIOR TO FINISH WORK, PROJECT ADMINISTRATOR SHALL FURNISH THE CONTRACTOR A SCHEDULE INDICATING TYPE, COLOR AND LOCATIONS FOR PAINTING.

PAIN	SCHEDULE:	
STRUCTURAL/	1 COAT METAL PRIMER	
MISCELLANEOUS STEEL	1 COAT SEMI-GLOSS ENAMEL	
	(2 COATS @ EXTERIOR)	

METAL DOORS	SEE DOORS (PRIMER/FACTORY FINISH)
	1 FIELD COAT SEMI-GLOSS ENAMEL FINISH

BLOCK:	INTERIOR	UNFINISHED
	EXTERIOR	1 COAT BLOCK FILLER/PRIMER
		2 COATS FLAT LATEX FINISH

APPLICATION AND PREPARATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.

SEALANTS:

CONTRACTOR SHALL SEAL EXTERIOR JOINTS, DOOR FRAMES, AND JUNCTURES OF MATERIALS REQUIRING SEALING FOR WEATHER AND AIR-TIGHTNESS.

ALL SEALING MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.

CAULKING SHALL BE MINIMUM 20 YEAR PAINTABLE ACRYLIC LATEX.

DOOR & WINDOWS:

DOORS AND WINDOWS ARE SHOWN ON THE DRAWINGS. CONTRACTOR SHALL VERIFY FINAL TYPE, SIZE, OPTIONS AND LAYOUT WITH PROJECT ADMINISTRATOR. SUBMIT PRODUCT DATA SHEETS TO PROJECT ADMINISTRATOR FOR APPROVAL PRIOR TO PURCHASE.

DOOR HARDWARE SHALL BE PROVIDED AND KEYS TO MATCH OWNERS STANDARDS. INSTALL PER MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS.

WINDOW SECURITY GRILLS WILL BE PROVIDED AND INSTALLED BY OWNER.

MECHANICAL & ELECTRICAL:

MECHANICAL AND ELECTRICAL WORK WILL BE PROVIDED AND INSTALLED BY THE OWNER. CONTRACTOR SHALL COORDINATE WITH THE OWNER INSTALLATION OF INSERTS, OPENINGS, SLEEVES, PADS, CONDUIT, BUILT-IN AND OTHER ITEMS REQUIRED.

ADD ALTERNATE
G-1

BID OPTIONS:

BIDS SHALL CLEARLY INDICATE OPTION PRICED.

IF BIDS ARE SUBMITTED FOR BOTH OPTIONS, EACH SHALL CLEARLY BE IDENTIFIED.

BASE BID SHALL BE THE LEAST COST OPTION (A OR B).

LIST THE HIGHER COST OPTION AS AN ADD ALTERNATE.

OPTION A: CONCRETE BLOCK MASONRY AND STEEL JOIST SYSTEM AS SHOWN AND DETAILED HEREIN.

OPTION B: PRE-ENGINEERED METAL BUILDING SYSTEM SUPERSTRUCTURE USING MANUFACTURER'S STANDARD DETAILS.

LIMIT LIVE LOAD DEFLECTIONS OF MEMBERS TO L/240; EXCEPT AT DOOR LINTELS AND JAMBS, MAXIMUM OF L/360. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

CONTRACTOR SHALL INCLUDE AND LIST IN THE BID ALL NECESSARY DETAILS REQUIRED FOR THIS OPTION, INCLUDING BUT NOT LIMITED TO: DOORS (INCLUDING UPWARD ACTING DOORS), WINDOWS, FOUNDATIONS AND WALLS.

SUBMIT:

STAMPED DRAWINGS AND PRE-ENGINEERED STANDARD PRODUCT DATA SHEETS INCLUDING WALL PANELS, ROOF PANELS, WINDOWS, DOORS, COLOR OPTIONS, DESIGN LOADS, AND OTHER PERTINENT PROPRIETARY INFORMATION TO THE PROJECT ADMINISTRATOR DURING CONSTRUCTION CONTRACT NEGOTIATIONS.

MODIFICATIONS TO THE FOUNDATION REQUIRED TO ACCOMMODATE THE PRE-ENGINEERED BUILDING.



POLYTECH, INC.

APPROVALS	
DEPT. HEAD	
PROJECT MGR.	
GROUP HEAD	

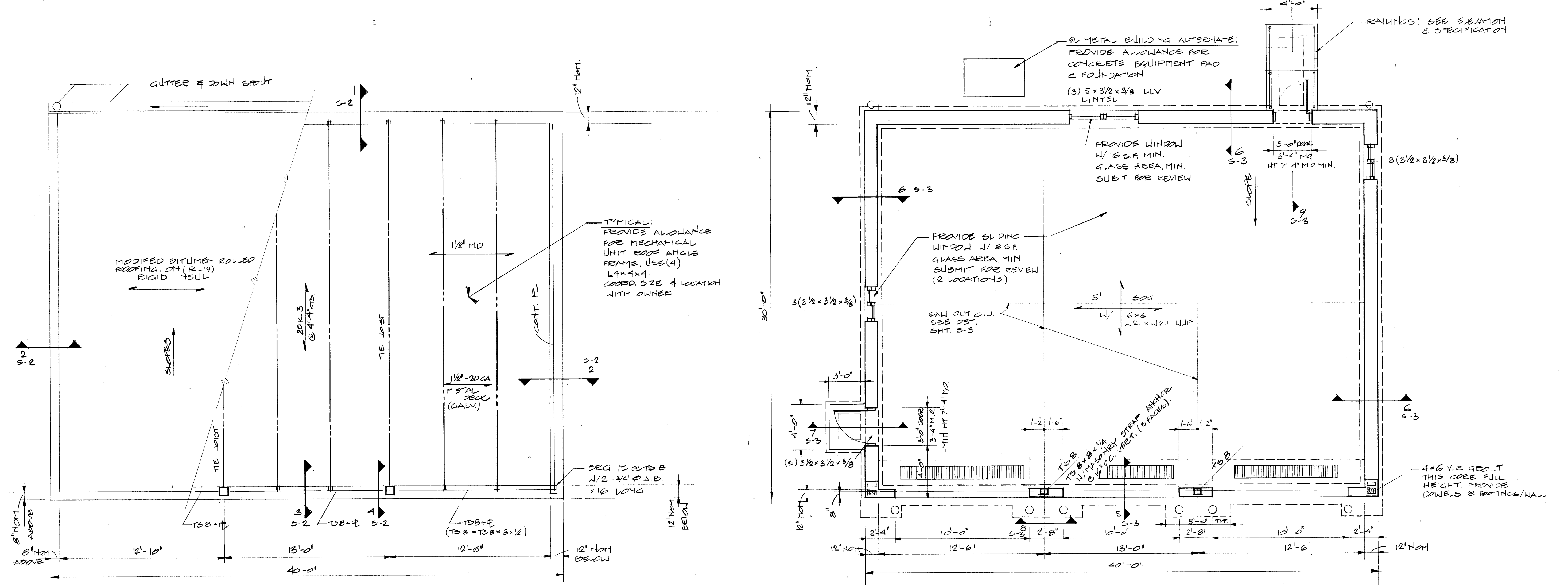
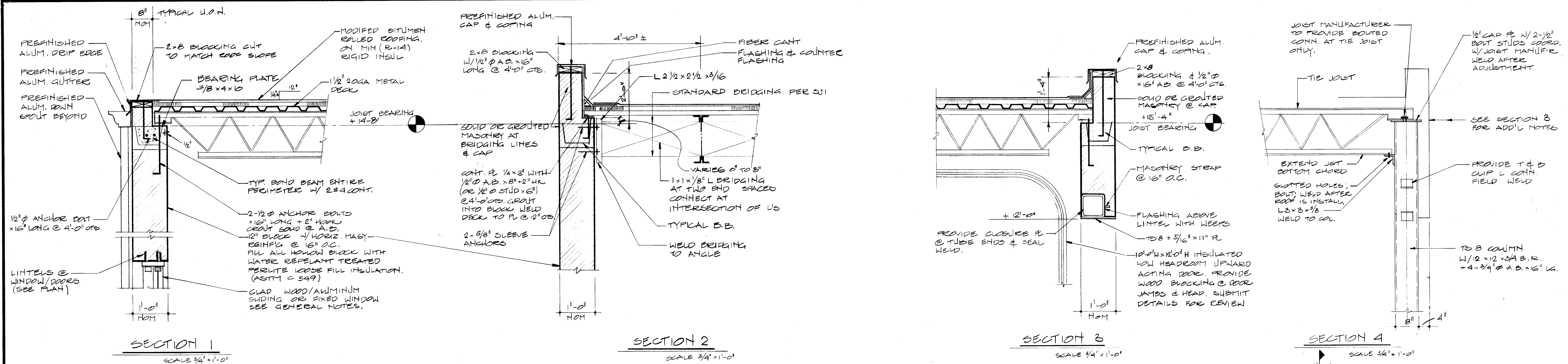
POLYTECH, INC.
ENGINEERS • ARCHITECTS • PLANNERS

PROJECT TITLE	PROJECT NO. 580-117-91-107 DEMO/UTILITY REALIGNMENT MASSILLON PSYCHIATRIC CENTER PREPARED FOR STATE OF OHIO DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF PUBLIC WORKS
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ISSUED DATE	DESCRIPTION

SHEET TITLE	GENERAL NOTES (SERVICE BUILDING)
SCALE	NTS
DRAWN BY	JF
CHECKED BY	DRS
DATE	11/16/92

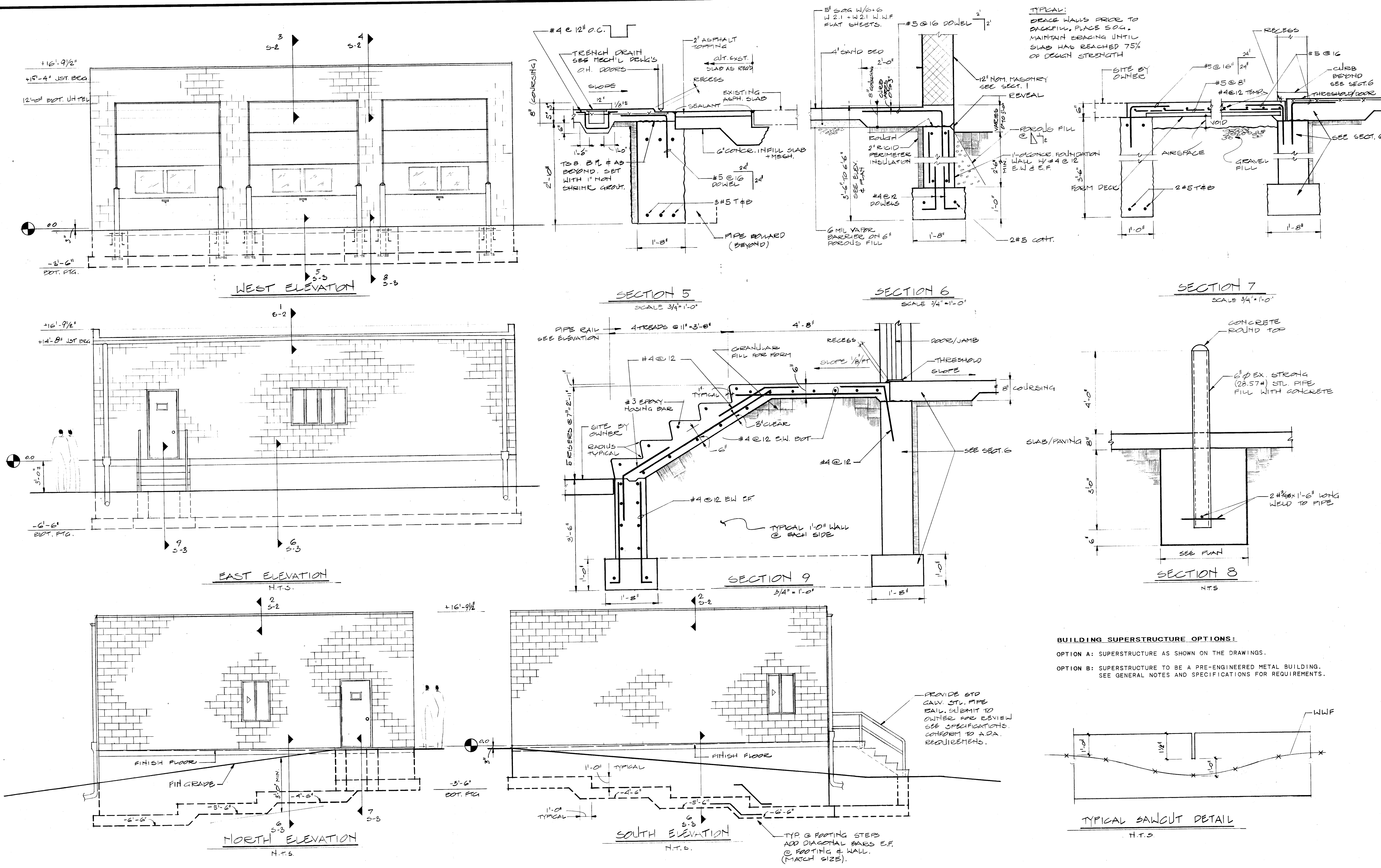
SHEET NO.	S-1
PROJECT NO.	580-117-91-107



BUILDING SUPERSTRUCTURE OPTIONS:

OPTION A: SUPERSTRUCTURE AS SHOWN ON THE DRAWINGS.

OPTION B: SUPERSTRUCTURE TO BE A PRE-ENGINEERED METAL BUILDING. SEE GENERAL NOTES AND SPECIFICATIONS FOR REQUIREMENTS.



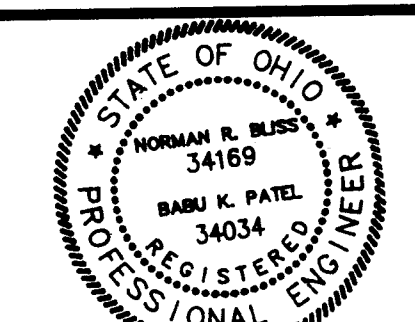
BUILDING SUPERSTRUCTURE OPTIONS:

OPTION A: SUPERSTRUCTURE AS SHOWN ON THE DRAWINGS.

OPTION B: SUPERSTRUCTURE TO BE A PRE-ENGINEERED METAL BUILDING. SEE GENERAL NOTES AND SPECIFICATIONS FOR REQUIREMENTS.



APPROVALS	
DEPT. HEAD	
PROJECT MGR.	
GROUP HEAD	



POLYTECH, INC.

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☐ CLEVELAND	☐ MILWAUKEE	☐ HOUSTON
☐ LITTLE ROCK	☐ DETROIT	☐ WASHINGTON, D.C.
☐ ATLANTA	☐ NASHVILLE	☐ NEW YORK CITY

PROJECT TITLE

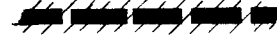
PROJECT NO. 580-117-91-107
 DEMO/UTILITY REALIGNMENT
 MASSILLON PSYCHIATRIC CENTER
 PREPARED FOR STATE OF OHIO
 DEPARTMENT OF ADMINISTRATIVE SERVICES
 DIVISION OF PUBLIC WORKS

ISSUED DATE	DESCRIPTION

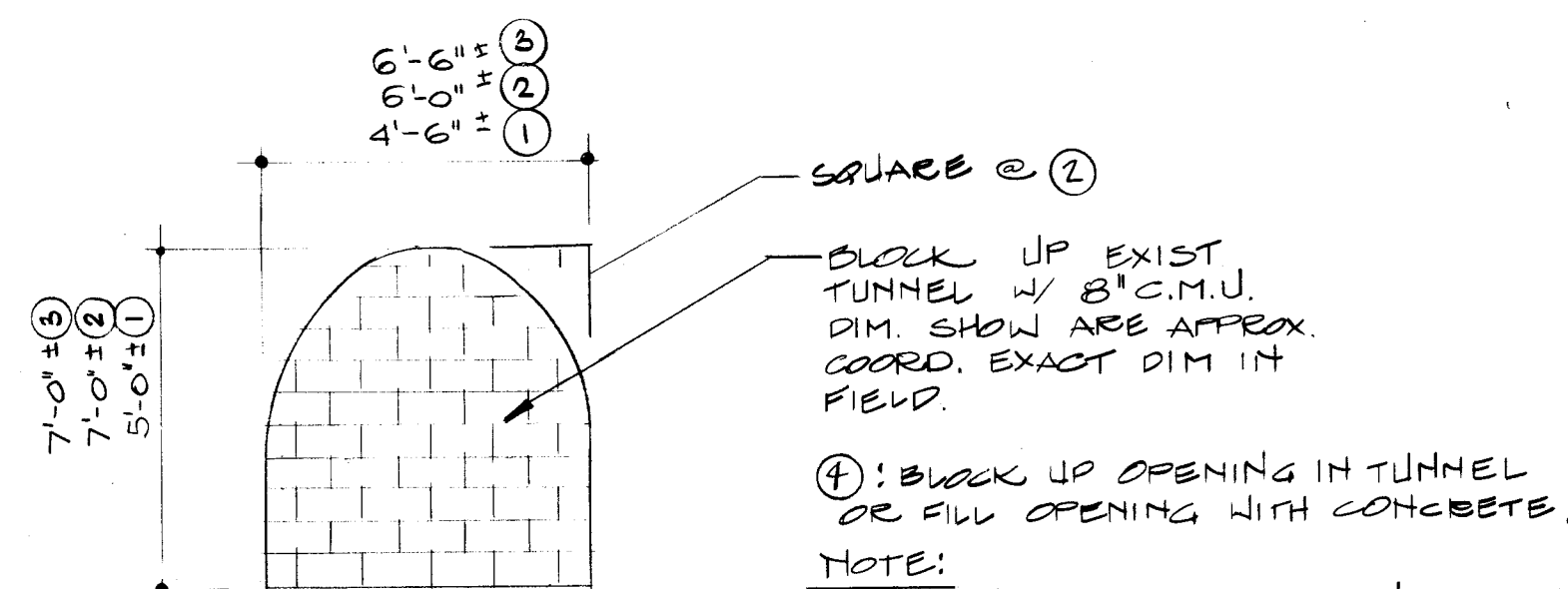
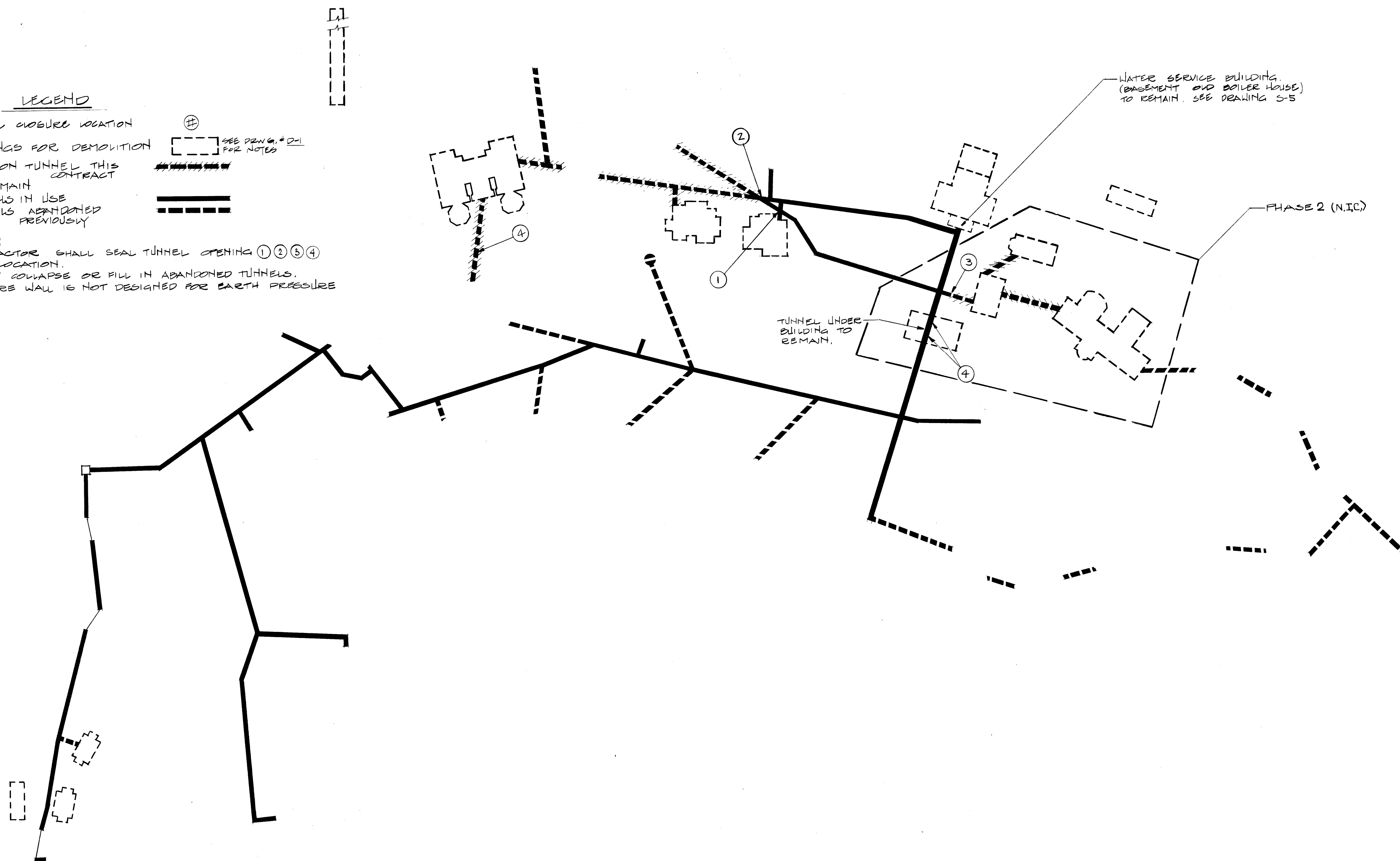
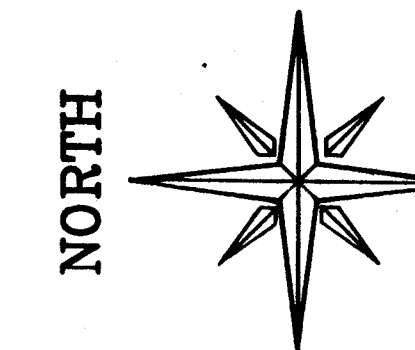
SHEET TITLE			
ELEVATIONS & DETAILS (SERVICE BUILDING)			
SCALE 3/4" = 1'-0"	DRAWN BY J.F.	CHECKED BY D.R.S.	DATE 11-16-92

SHEET NO.
S-3
PROJECT NO.
580-117-91-107

LEGEND

TUNNEL CLOSURE LOCATION 
 BUILDINGS FOR DEMOLITION  SEE DRAWING S-5 FOR NOTES
 ABANDON TUNNEL THIS CONTRACT 
 TO REMAIN TUNNELS IN USE 
 TUNNELS ABANDONED PREVIOUSLY 

NOTES:
 CONTRACTOR SHALL SEAL TUNNEL OPENING ① ② ③ ④
 THIS LOCATION.
 DO NOT COLLAPSE OR FILL IN ABANDONED TUNNELS.
 CLOSURE WALL IS NOT DESIGNED FOR EARTH PRESSURE



NOTE:
 WALL IS NOT DESIGNED FOR EARTH PRESSURE. (DO NOT COLLAPSE OR FILL IN ADJACENT ABANDONED TUNNELS).

TYPICAL TUNNEL CLOSURE



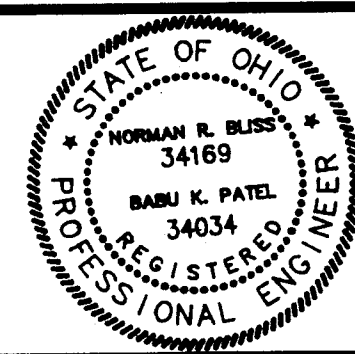
POLYTECH, INC.

APPROVALS

DEPT. HEAD _____

PROJECT MGR. _____

GROUP HEAD _____



POLYTECH, INC.

ENGINEERS • ARCHITECTS • PLANNERS

- | | | |
|--------------------------------------|------------------------------------|---|
| ☐ CLEVELAND | ☐ MILWAUKEE | ☐ HOUSTON |
| ☐ LITTLE ROCK | ☐ DETROIT | ☐ WASHINGTON, D.C. |
| ☐ ATLANTA | ☐ NASHVILLE | ☐ NEW YORK CITY |

PROJECT TITLE

PROJECT NO. 580-117-91-107
 DEMO/UTILITY REALIGNMENT
 MASSILLON PSYCHIATRIC CENTER
 PREPARED FOR STATE OF OHIO
 DEPARTMENT OF ADMINISTRATIVE SERVICES
 DIVISION OF PUBLIC WORKS

ISSUED

DATE	DESCRIPTION

SHEET TITLE

TUNNEL CLOSURE PLAN

SCALE
 1" = 100'

DRAWN BY
 JF

CHECKED BY
 DRS

DATE
 11-16-92

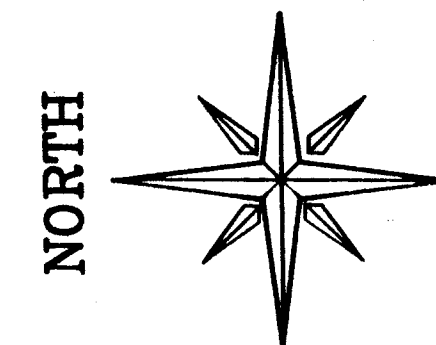
SHEET NO.

S-4

PROJECT NO.

580-117-91-107

BUILDING DEMOLITION SCHEDULE		
BLDG. NO.	BLDG. NAME	PHASE
2002	CHICKEN COOP	1
6010	MAINTENANCE BUILDING (SHERRARD)	2
6011	SOUTH	2
6013	COTTAGE 'H'	1
6014	COTTAGE 'G'	1
6016	NASH	1
6031	RESIDENCE #1 & #2 (DUPLX)	1
6032	RESIDENCE #3 & #4 (DUPLX)	1
7002	HOUSEKEEPING BUILDING	2
7003	PAVER HOUSE	1
8003	GENERAL STORAGE	2
8013	FOUNDATIONS BUILDING	1
8014	RESIDENTS GARAGE	1



LEGEND

BUILDINGS FOR DEMOLITION	
TUNNEL TO BE REMOVED	
DOWN SPOUT, CATCH BASIN	
BUILDING PART TO REMAIN	
ABANDONED FIRE LINE	
WATER LINE	
TO REMAIN	
TUNNELS IN USE	
TUNNELS ABANDONED	
TO BE DEMOLISHED	
TO REMAIN	

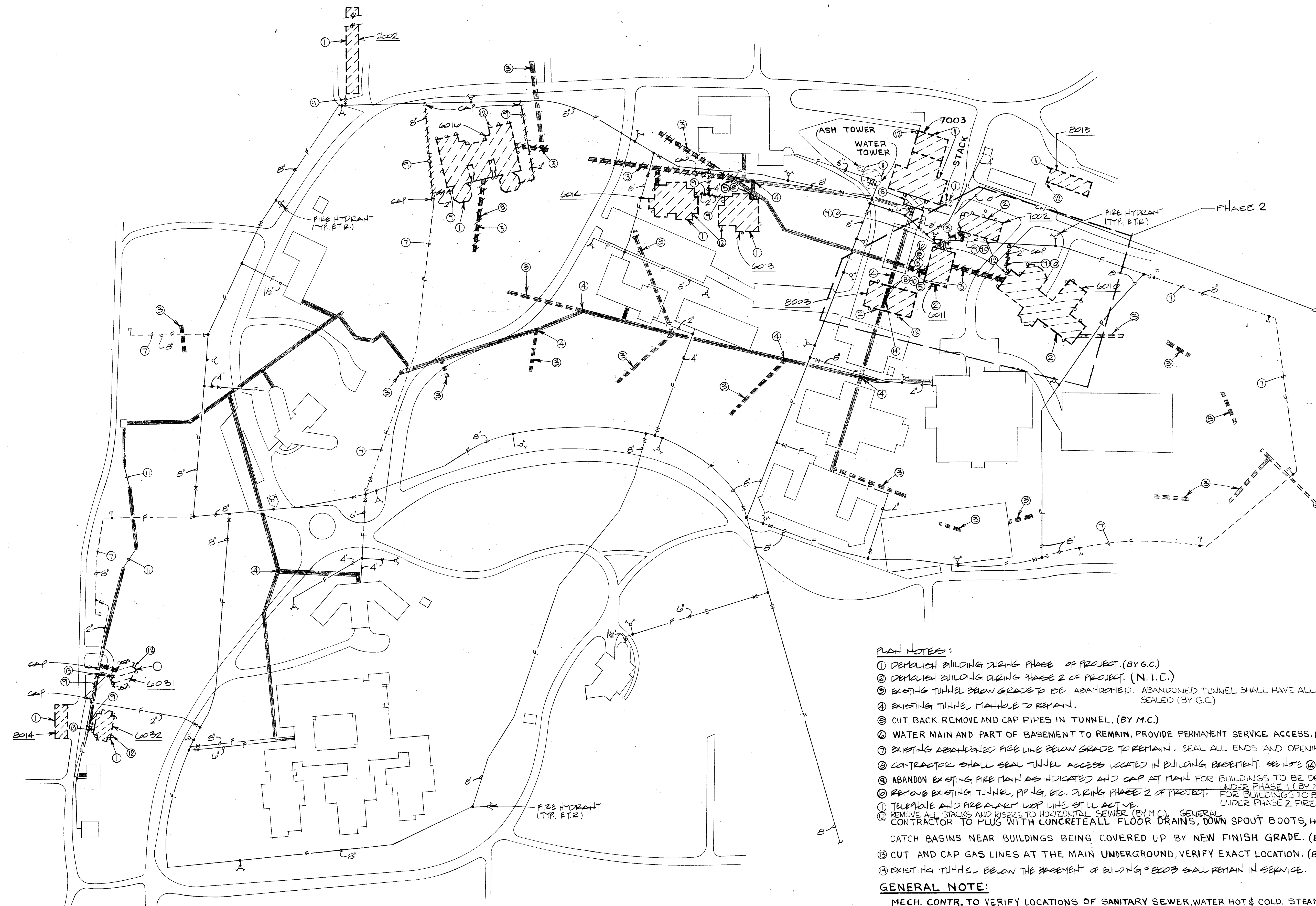
PLAN NOTES:

- DEMOLISH BUILDING DURING PHASE 1 OF PROJECT. (BY G.C.)
 - DEMOLISH BUILDING DURING PHASE 2 OF PROJECT. (N.I.C.)
 - EXISTING TUNNEL BELOW GRADE TO BE ABANDONED. ABANDONED TUNNEL SHALL HAVE ALL OPENINGS SEALED (BY G.C.)
 - EXISTING TUNNEL MANHOLE TO REMAIN.
 - CUT BACK, REMOVE AND CAP PIPES IN TUNNEL. (BY M.C.)
 - WATER MAIN AND PART OF BASEMENT TO REMAIN, PROVIDE PERMANENT SERVICE ACCESS. (BY G.C.) SEE SH. 11-3 FOR ADDITIONAL DEMOLITION
 - EXISTING ABANDONED FIRE LINE BELOW GRADE TO REMAIN. SEAL ALL ENDS AND OPENINGS.
 - CONTRACTOR SHALL SEAL TUNNEL ACCESS LOCATED IN BUILDING BASEMENT. SEE NOTE @ (BY G.C.)
 - ABANDON EXISTING FIRE MAIN AS INDICATED AND CAP AT MAIN FOR BUILDINGS TO BE DEMOLISHED UNDER PHASE 1 (BY M.C.)
 - REMOVE EXISTING TUNNEL, PIPING, ETC. DURING PHASE 2 OF PROJECT. FOR BUILDINGS TO BE DEMOLISHED UNDER PHASE 2 (BY M.C.)
 - TELEPHONE AND FIRE ALARM LOOP LINE STILL ACTIVE.
 - REMOVE ALL STACKS AND RISERS TO HORIZONTAL SEWER (BY M.C.) GENERAL CONTRACTOR TO PLUG WITH CONCRETE ALL FLOOR DRAINS, DOWN SPOUT BOOTS, HORIZONTAL LINES
- CATCH BASINS NEAR BUILDINGS BEING COVERED UP BY NEW FINISH GRADE. (BY G.C.)
- CUT AND CAP GAS LINES AT THE MAIN UNDERGROUND, VERIFY EXACT LOCATION. (BY M.C.)
- EXISTING TUNNEL BELOW THE BASEMENT OF BUILDING #8003 SHALL REMAIN IN SERVICE.

GENERAL NOTE:

MECH. CONTR. TO VERIFY LOCATIONS OF SANITARY SEWER, WATER HOT & COLD, STEAM & CONDENSATE AND NATURAL GAS AT EACH BUILDING. CUT & CAP ALL SERVICES NEAR MAINS BEFORE DEMOLITION.

GENERAL CONTRACTOR SHALL BREAK UP BASEMENT FLOORS FOR DRAINAGE PRIOR TO BUILDING DEMOLITION & BACK FILLING.



UTILITIES:

WATER:
OHIO WATER
P.O. BOX 664
MASSILLON, OH. 44648
(216) 833-4156

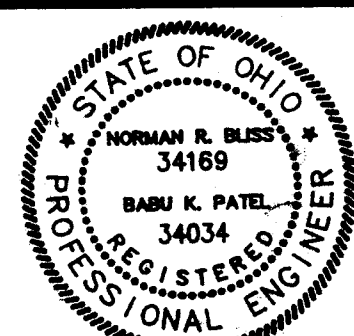
SANITARY/SEWER:
MASSILLON ENGINEERING DEPT.
34189
ONE JAMES DUNCAN PLAZA
MASSILLON, OH. 44648
(216) 830-1724

GAS:
EAST OHIO GAS CO.
4725 SOUTHWAY S.W.
CANTON, OH. 44706
(216) 478-3128



POLYTECH, INC.

APPROVALS	
DEPT. HEAD	
PROJECT MGR.	
GROUP HEAD	



POLYTECH, INC.
ENGINEERS • ARCHITECTS • PLANNERS

PROJECT TITLE

PROJECT NO. 580-117-91-107
DEMO/UTILITY REALIGNMENT
MASSILLON PSYCHIATRIC CENTER
PREPARED FOR STATE OF OHIO
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF PUBLIC WORKS

ISSUED DATE

ISSUED DATE	DESCRIPTION

SHEET TITLE

MECHANICAL DEMOLITION PLAN

SCALE: 1" = 100'

DRAWN BY: K.D.

CHECKED BY: HS/HEA

DATE: 11-17-92

SHEET NO.

M-1

PROJECT NO. 580-117-91-107

HVAC LEGEND

HHWS	HEATING HOT WATER SUPPLY	EF	EXHAUST FAN
HHWR	HEATING HOT WATER RETURN	RF	RETURN FAN
B.V.	BALANCE VALVE	DIFF	DIFFUSER
NC	NORMALLY CLOSED	BO	BLANK OFF
NO	NORMALLY OPEN	SAR	SUPPLY AIR REGISTER
S.O.V.	SHUT-OFF VALVE	RAR	RETURN AIR REGISTER
MAV	MANUAL AIR VENT	EAR	EXHAUST AIR REGISTER
FC	FLEXIBLE CONNECTION	RAG	RETURN AIR GRILLE
WC	WATER COLUMN	EAG	EXHAUST AIR GRILLE
B	BOILER	TAG	TRANSFER AIR GRILLE
HC	HEATING COIL	DL	DOOR LOUVER
EAT	ENTERING AIR TEMPERATURE	UC	UNDERCUT DOOR
LAT	LEAVING AIR TEMPERATURE	AP	ACCESS PANEL
PD	PRESSURE DROP	AD	ACCESS DOOR
FTR	FINNED TUBE RADIATION	FD	FIRE DAMPER
CC	CABINET CONVECTOR	VD	VOLUME DAMPER
UH	UNIT HEATER	BDD	BACK DRAFT DAMPER
CUH	CABINET UNIT HEATER	MOD	MOTOR OPERATED DAMPER
UV	UNIT VENTILATOR	T'STAT	THERMOSTAT
AC	WALL THRU AC UNIT	N'STAT	NIGHT THERMOSTAT
TB	TERMINAL BOX	ABV	ABOVE
ACCU	AIR COOLED CONDENSING UNIT	AFF	ABOVE FINISHED FLOOR
VAV	VARIABLE AIR VOLUME	CLS	CEILING
AHU	AIR HANDLING UNIT	CONT.	CONTINUATION
HV	HEATING AND VENTILATING UNIT	DIA.	DIAMETER
RTU	ROOFTOP AIR CONDITIONING UNIT	DN	DOWN
OA	OUTSIDE AIR	EXST'G	EXISTING
SA	SUPPLY AIR	FLR	FLOOR
RA	RETURN AIR	HORIZ.	HORIZONTAL
EA	EXHAUST AIR	MTD.	MOUNTED
ESP	EXTERNAL STATIC PRESSURE	OPN'G	OPENING
TSP	TOTAL STATIC PRESSURE	REQ'D	REQUIRED
SF	SUPPLY FAN	RTN	RETURN
		TRANS.	TRANSITION
		VERT.	VERTICAL
		VIB.	VIBRATION

EXHAUST FAN SCHEDULE

MARK	SERVICE	CFM	SEE DWG. NO.	TYPE	EXL. SP.	DRIVE	FAN R.P.M.	H.P.	VOLTAGE	MANUFACTURER AND MODEL NO.
EF-1	STORAGE GARAGE	1800	M-2	ROOF-MOUNTED	0.375	V-BELT	833	1/3	120	GREENHECK - GB-160 (90 LBS)
EF-2	CAR-MON	1800	M-2	CENTRIFUGAL	5"	V-BELT	2700	5	208/3	CAR-MON CM20-SL (160 LBS)

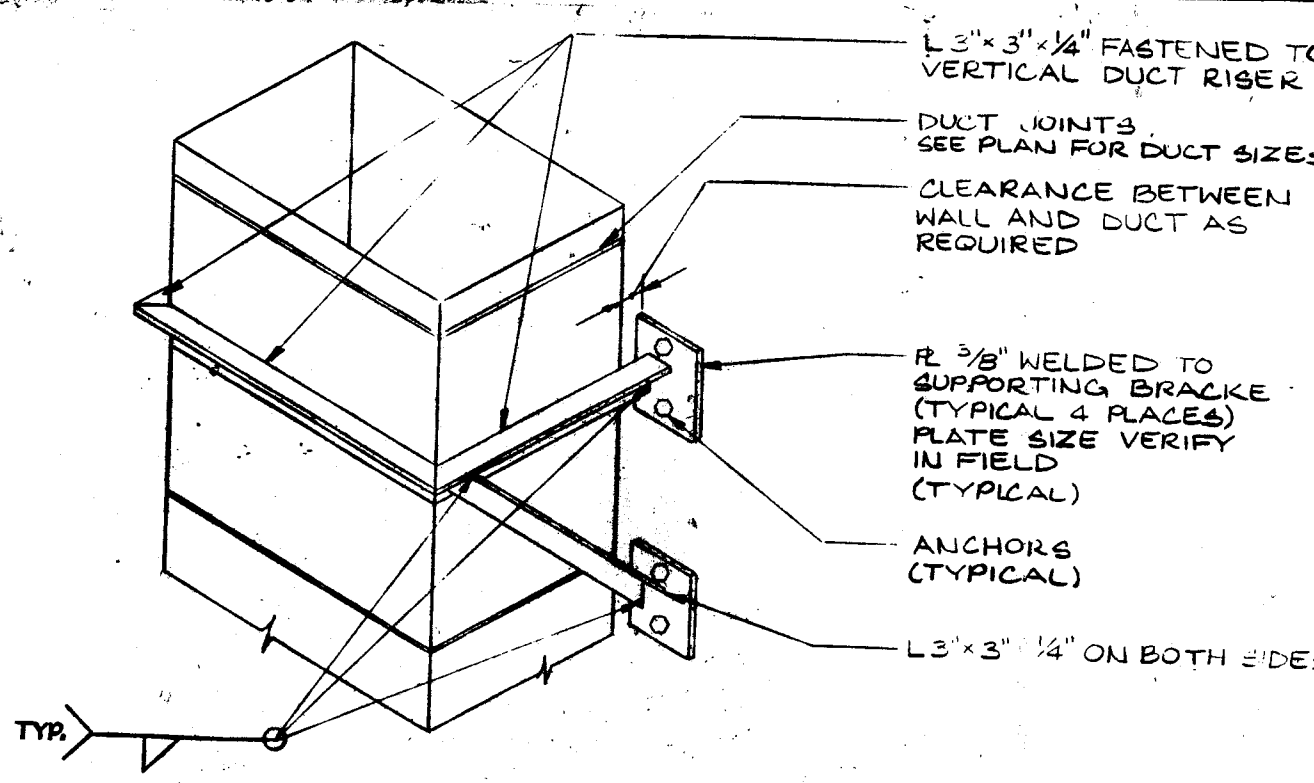
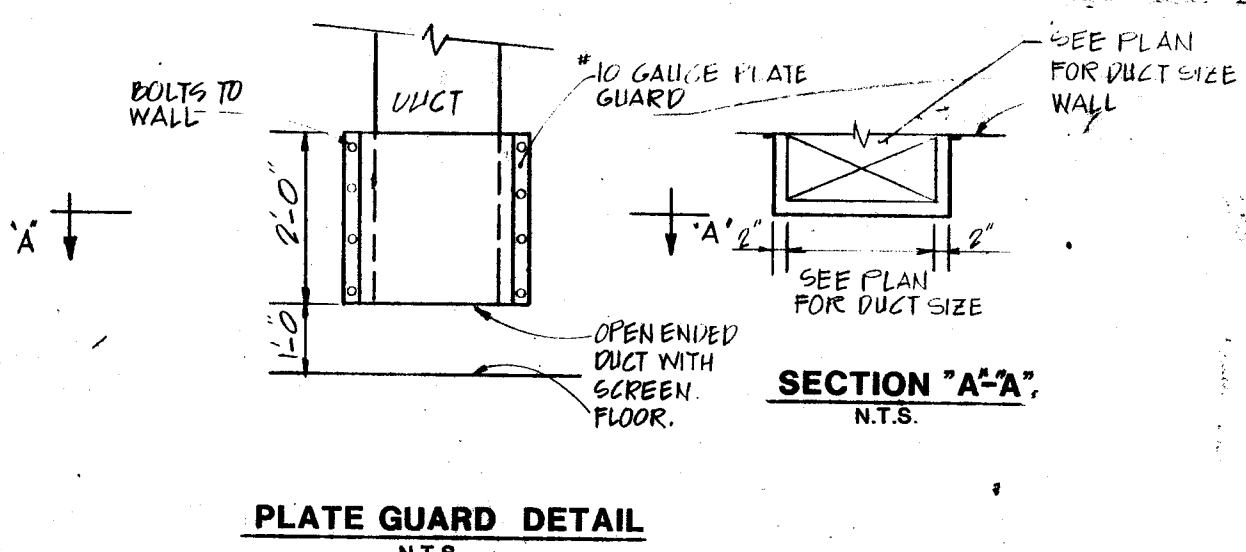
UNIT HEATER SCHEDULE

MARK	AREA	SERVICE	DWG. NO.	BTU/H	KW	CFM	FAN DATA	LINE AMP	ELECTRICAL V-4-CYC.	MODEL NO.	REMARKS
UH-1	STORAGE GARAGE		M-2	88,200	11.2	910	1/2	1	208/3/60	MUH-15	93 LBS
UH-2	"		M-2	88,200	11.2	910	1/2	1	208/3/60	MUH-15	93 LBS
UH-3	"		M-2	88,200	11.2	910	1/2	1	208/3/60	MUH-15	93 LBS

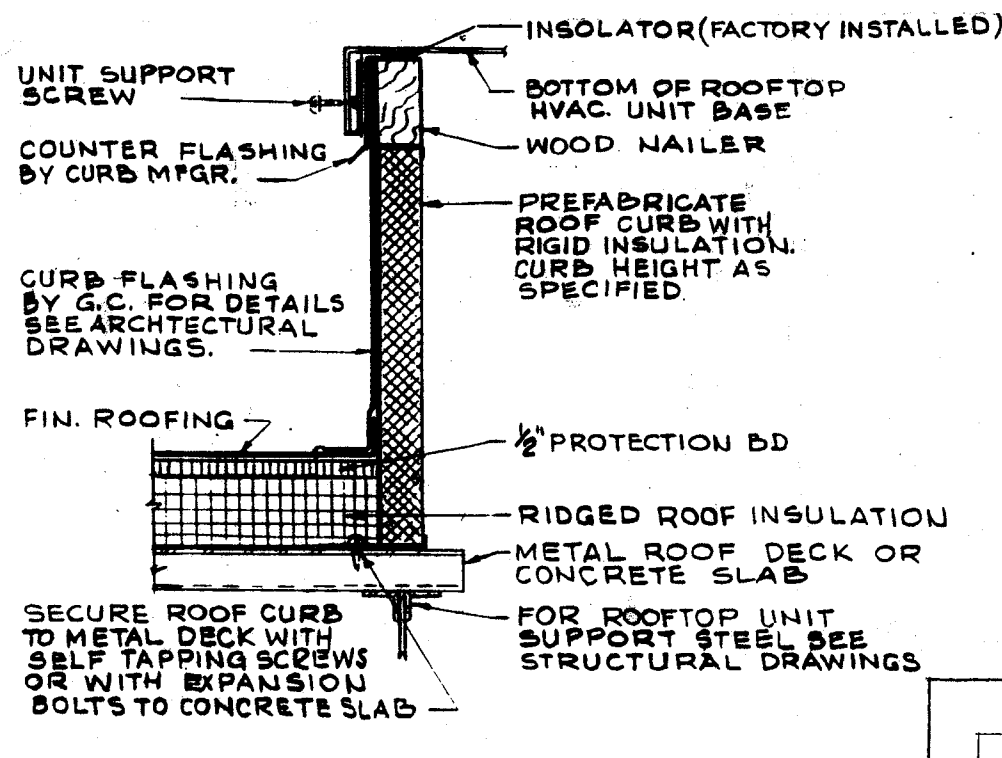
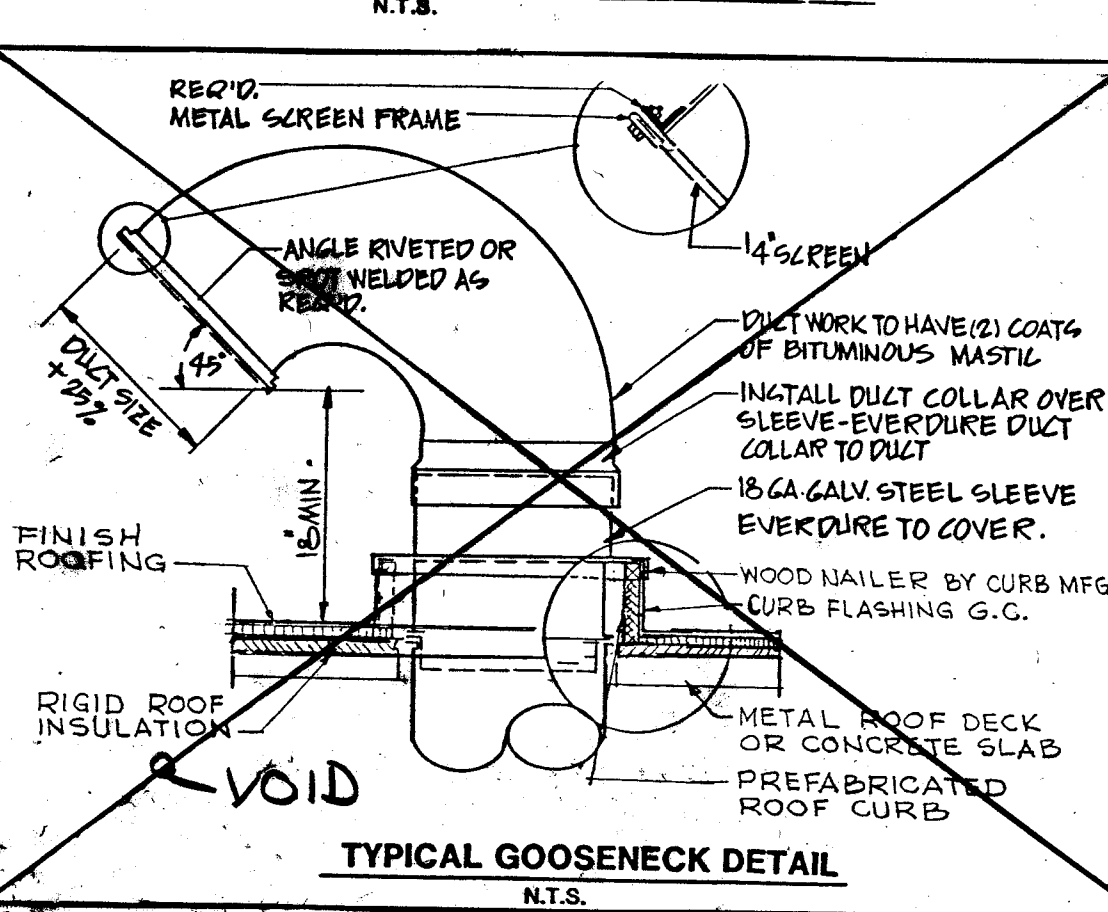
* PROVIDED W/ INTEGRAL T'STAT (W/TWO STAGE HEATING)

HEATING & VENTILATING UNIT SCHEDULE

MARK	DWG. NO.	SERVICE	TYPE	CFM	SP	WHEEL DIAM. (INCHES)	H.P.	MBH	KW	HEATING	ENT. AIR TEMP. (°F)	LVG. AIR TEMP. (°F)	VOLT/Φ/HZ	REMARKS	MANUFACTURER
HV-1	M-2	STORAGE GARAGE	ROOF MOUNTED	1800	1800	16 1/2	10"	1 1/2	188.6	55.2	0°	97°	208/3/60	4 STEPS FOR HEATING	TRANE /GRSC-015

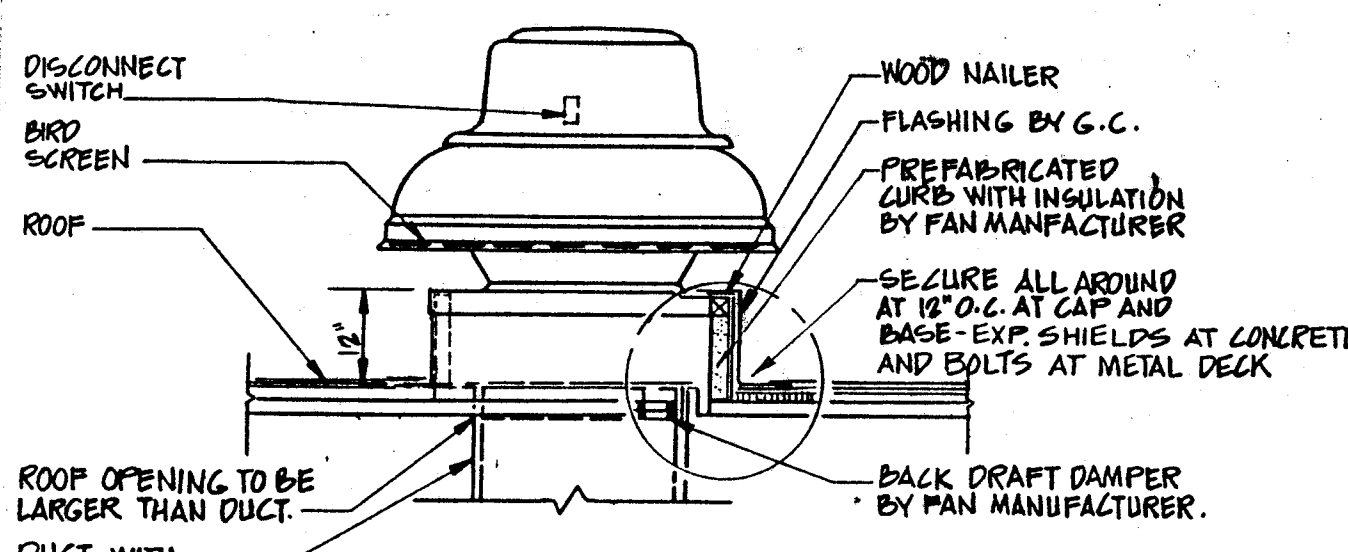


TYPICAL DUCT RISER WALL SUPPORT DETAIL



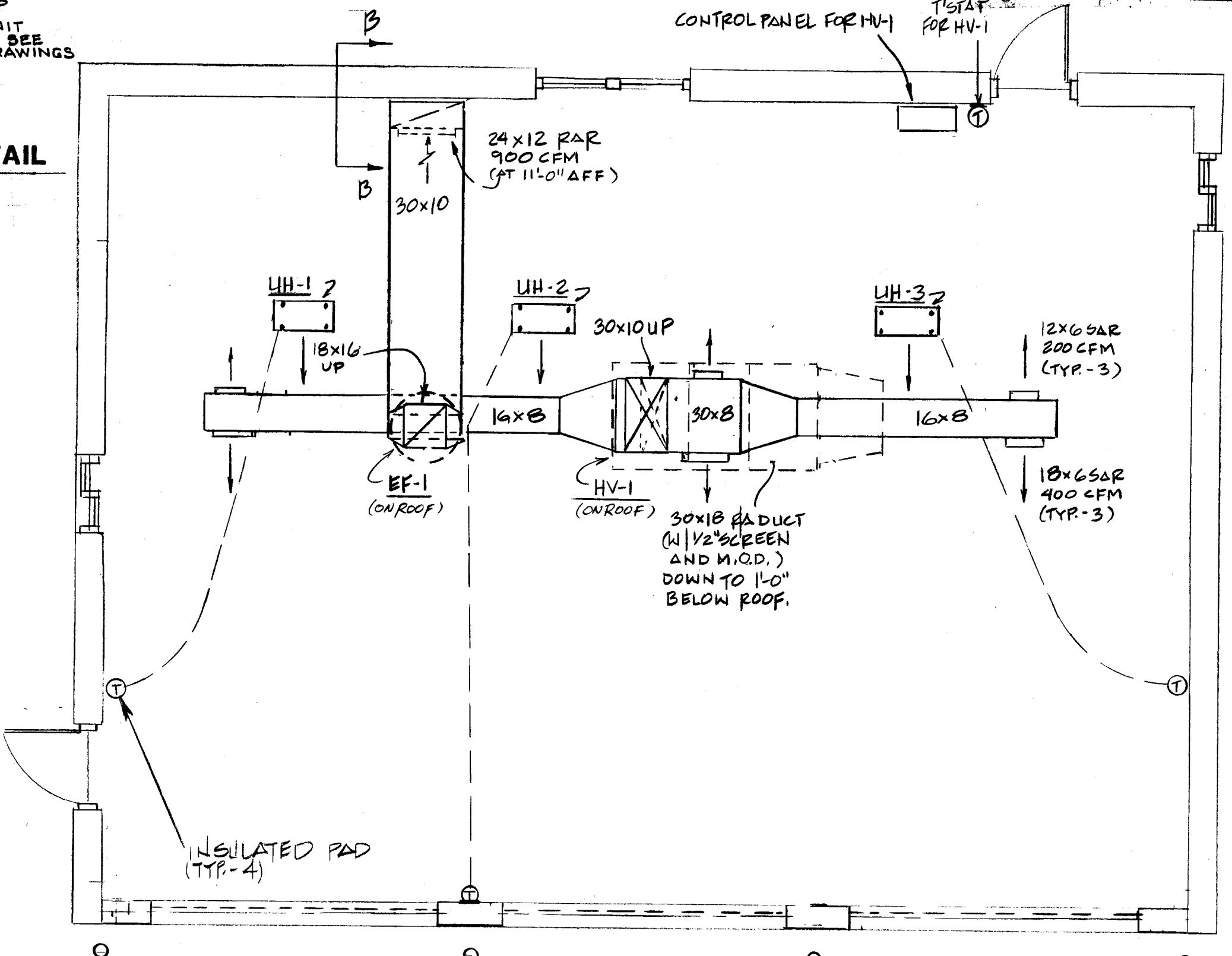
TYPICAL EQUIPMENT CURB DETAIL

N.T.S.



ROOF EXHAUST FAN

N.T.S.



HEATING & VENTILATION FLOOR PLAN

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

SECTION A-A

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

SECTION B-B

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

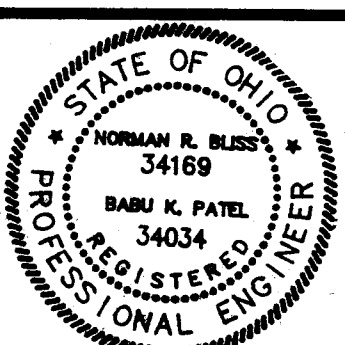
POLYTECH, INC.

APPROVALS

DEPT. HEAD _____

PROJECT MGR. _____

GROUP HEAD _____



POLYTECH, INC.

ENGINEERS • ARCHITECTS • PLANNERS

PROJECT TITLE

PROJECT NO. 580-117-91-107

DEMO/UTILITY REALIGNMENT

MASSILLON PSYCHIATRIC CENTER

PREPARED FOR STATE OF OHIO

DEPARTMENT OF ADMINISTRATIVE SERVICES

DIVISION OF PUBLIC WORKS

ISSUED DATE _____

DESCRIPTION _____

SHEET TITLE

PLAN/DETAILS/ SCHEDULES

(SERVICE BUILDING)

SCALE: SEE DWG

DRAWN BY: RAMON PARDO

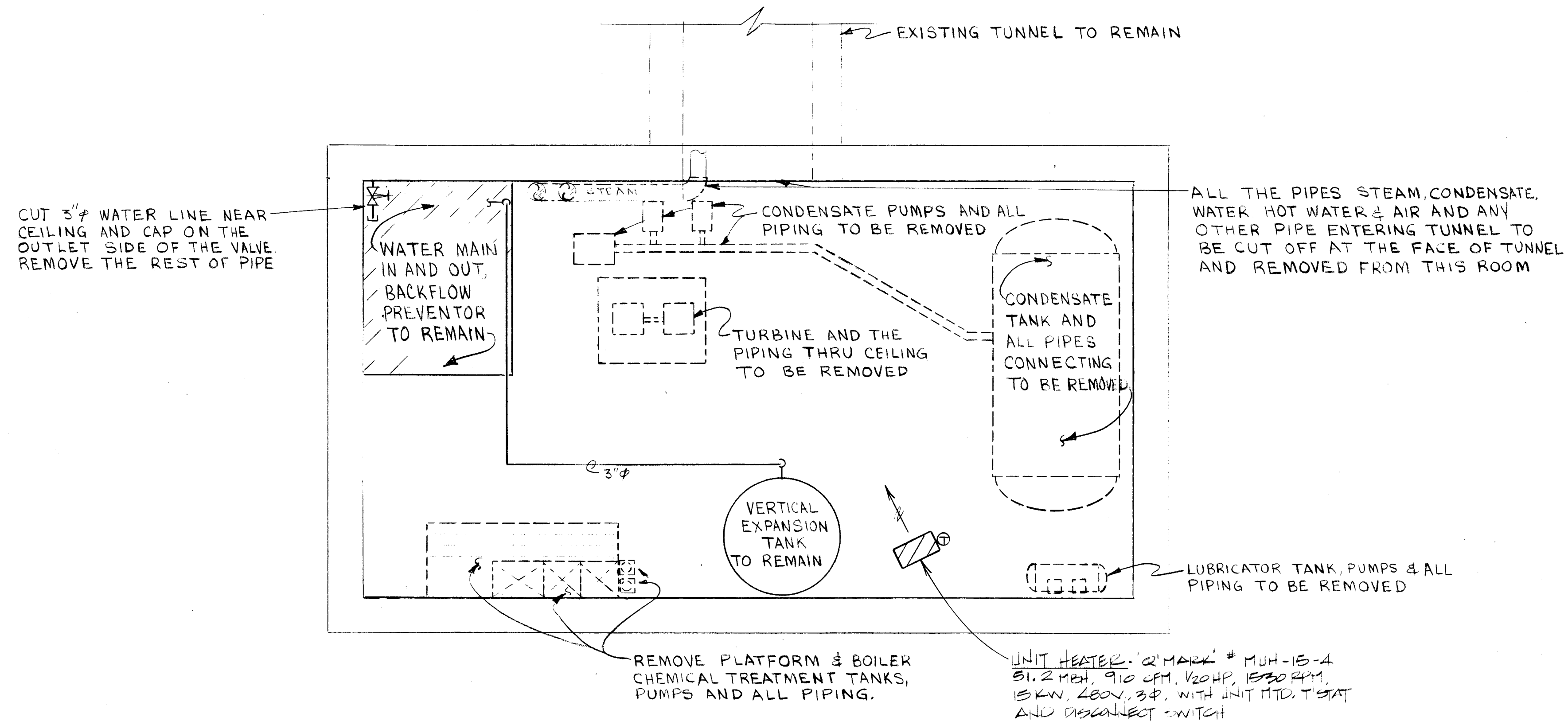
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DATE: 10/28/92

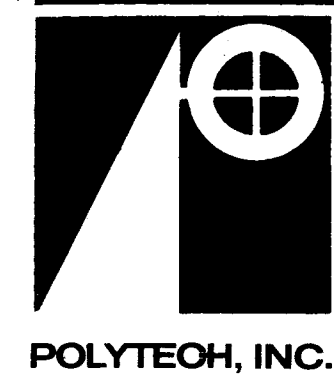
SHEET NO. M-2

PROJECT NO. 580-117-91-107

NOTE: CONTRACTOR SHALL VISIT
SITE PRIOR TO PILING
TO VERIFY EXTENT OF WORK.



PARTIAL BASEMENT DEMOLITION PLAN (WATER SERVICE BUILDING) → N
SCALE 1/4" = 1'-0"

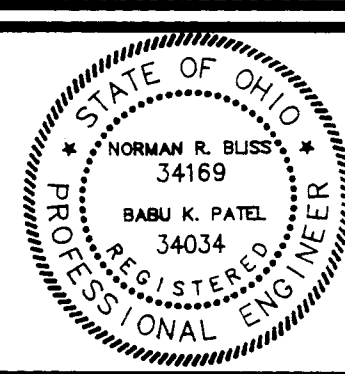


APPROVALS

DEPT. HEAD _____

PROJECT MGR. _____

GROUP HEAD _____



POLYTECH, INC.
ENGINEERS • ARCHITECTS • PLANNERS

PROJECT TITLE

PROJECT NO. 580-117-91-107
DEMO/UTILITY REALIGNMENT
MASSILLON PSYCHIATRIC CENTER
PREPARED FOR STATE OF OHIO
DEPARTMENT OF ADMINISTRATIVE SERVICE
DIVISION OF PUBLIC WORKS

ISSUED DATE	DESCRIPTION

SHEET TITLE

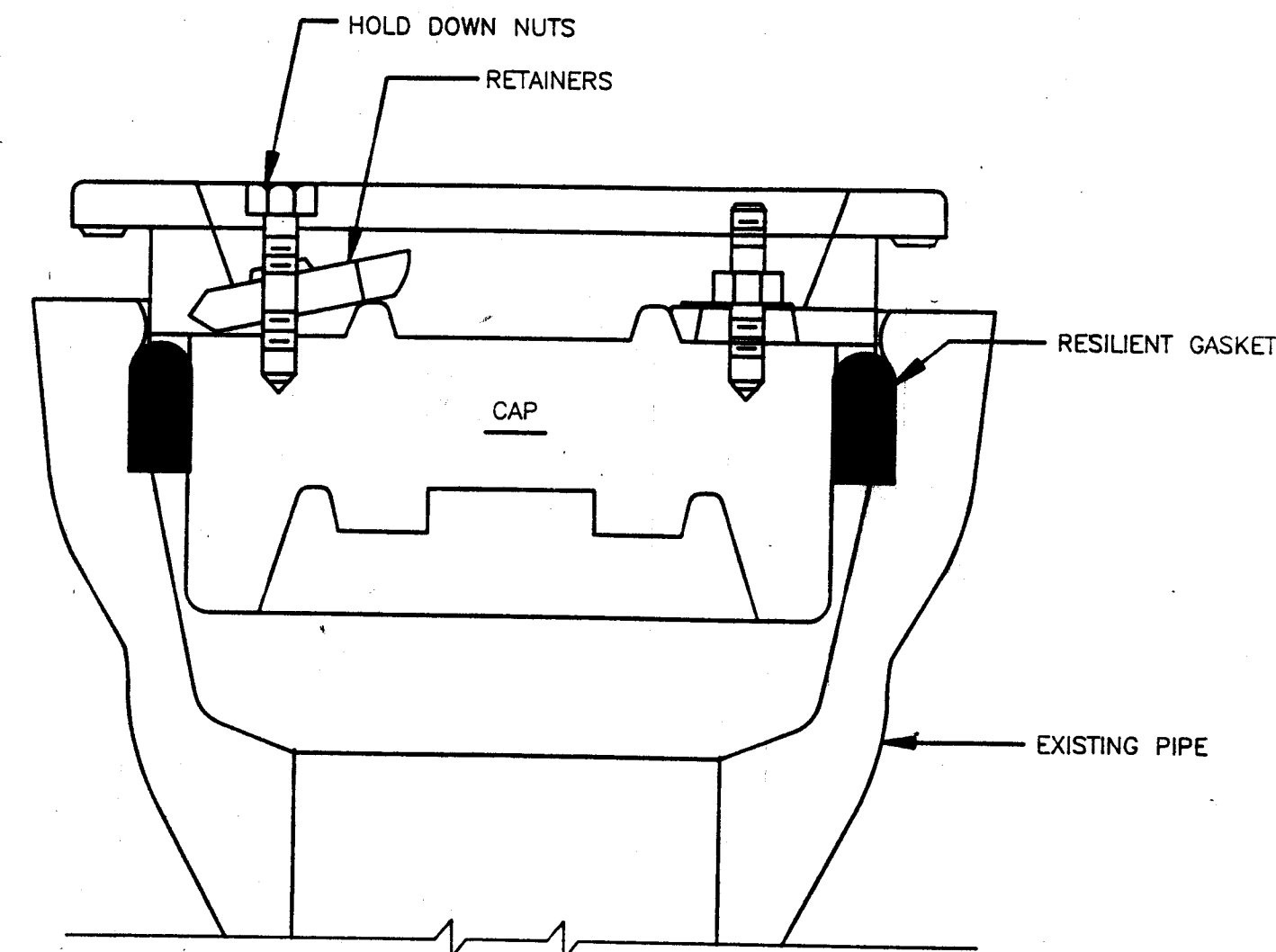
MECHANICAL PLAN
WATER SERVICE BUILDING
(BASEMENT OLD BOILER HOUSE)

SCALE AS NOTED DRAWN BY RP CHECKED BY HSY/HSA DATE 11-7-96

SHEET NO.

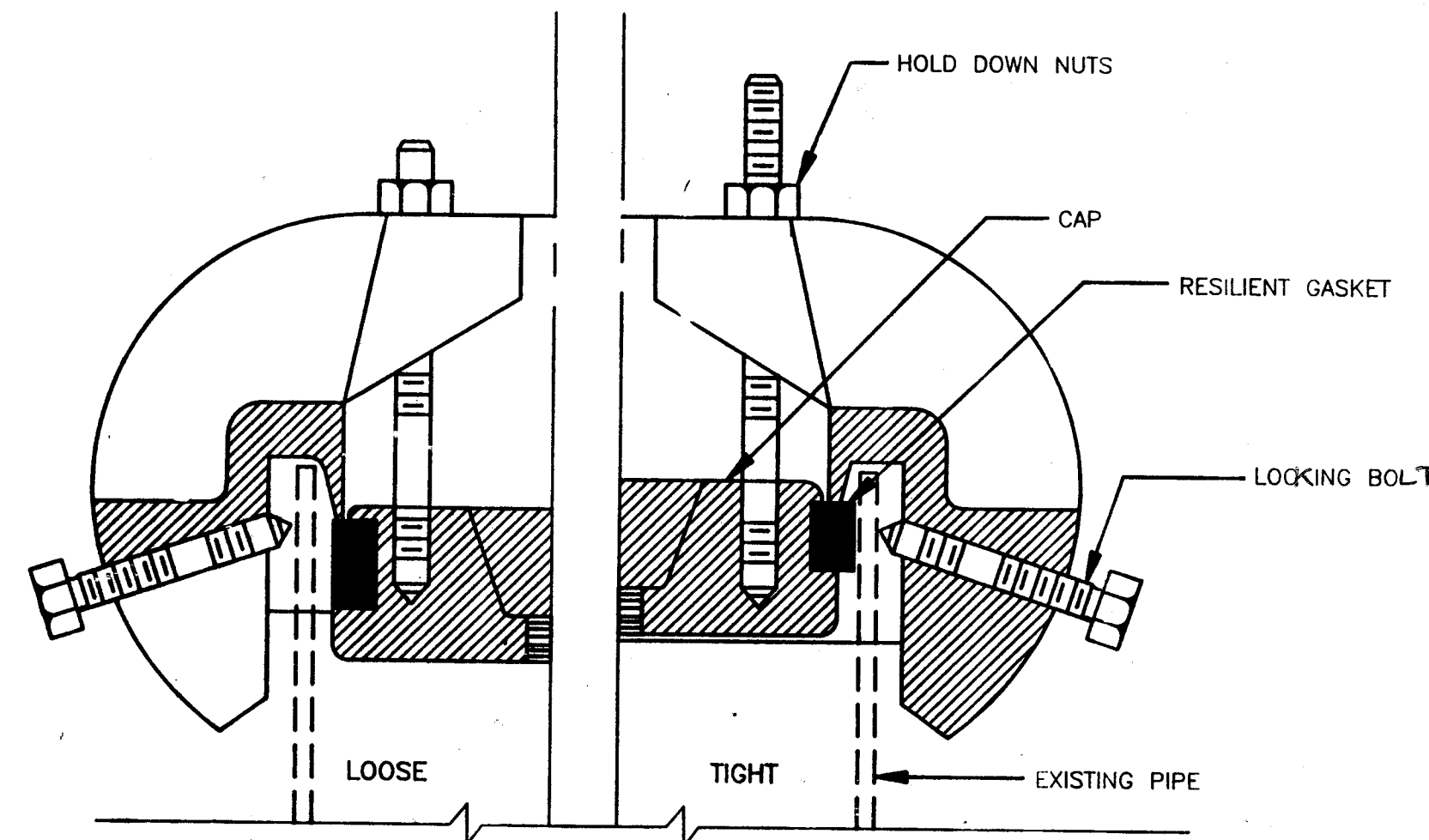
M-3

PROJECT NO.
580-117-91-107



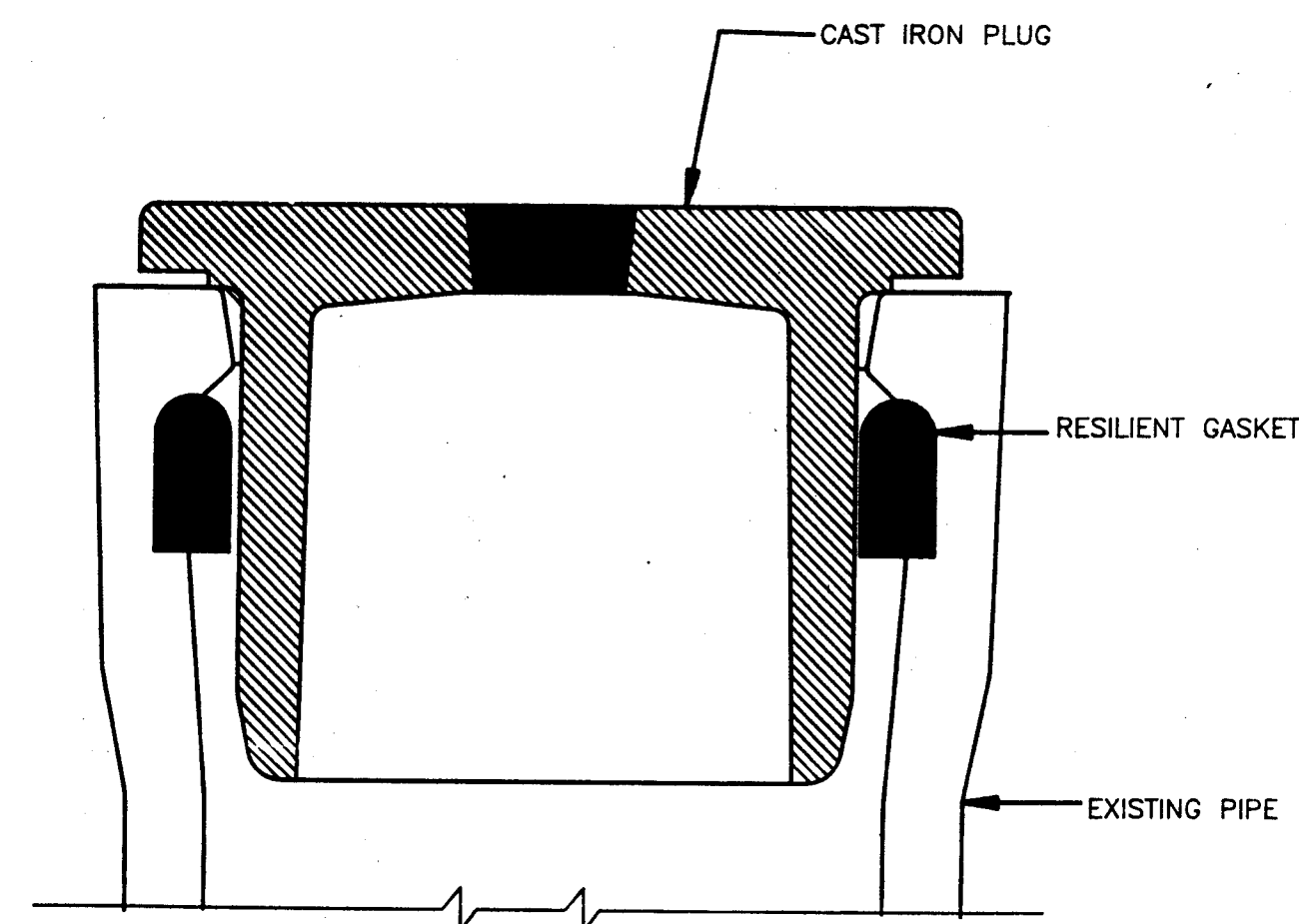
① CAST IRON PIPE CAP FOR BELL
END PIPES UNDER PRESSURE

N.T.S.
SIMILAR TO CLOW F-1159 OR APPROVED EQUAL



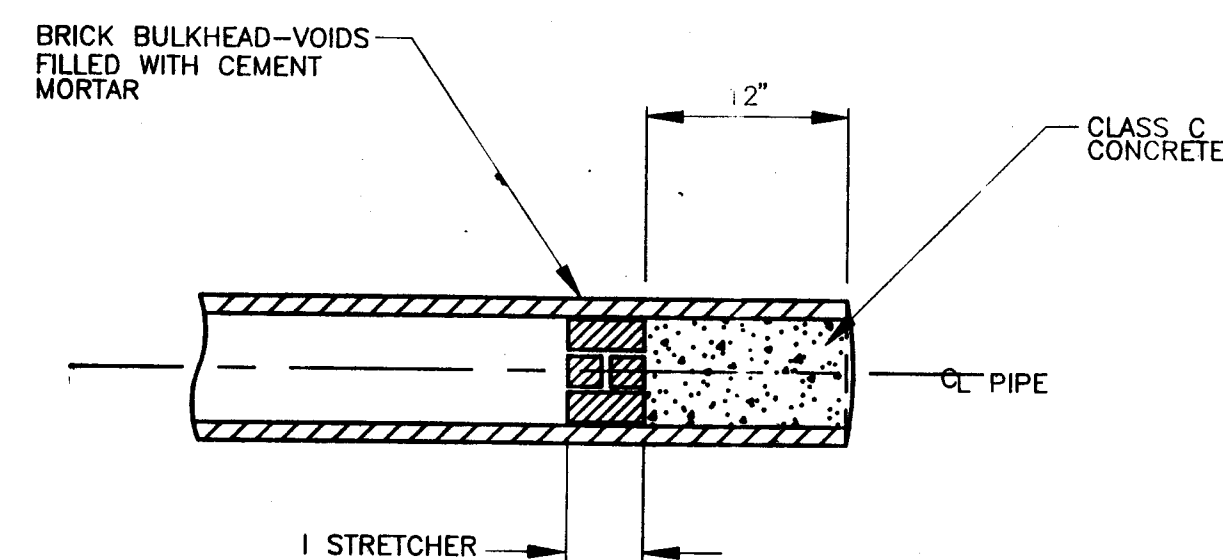
③ CAST IRON MECHANICAL JOINT PIPE CAP
FOR PLAIN END PIPES UNDER PRESSURE

N.T.S.
SIMILAR TO CLOW F-1175 OR APPROVED EQUAL



② CAST IRON PUSH-ON PLUG FOR
BELL PIPE SANITARY & STORM

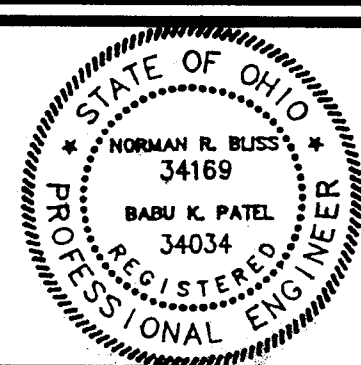
N.T.S.
USE ON SANITARY OR STORM LINES TO BE SAVED
SIMILAR TO CLOW F-1147 OR APPROVED EQUAL



④ PLUGGING ABANDONED PIPE



APPROVALS	
DEPT. HEAD	
PROJECT MGR.	
GROUP HEAD	



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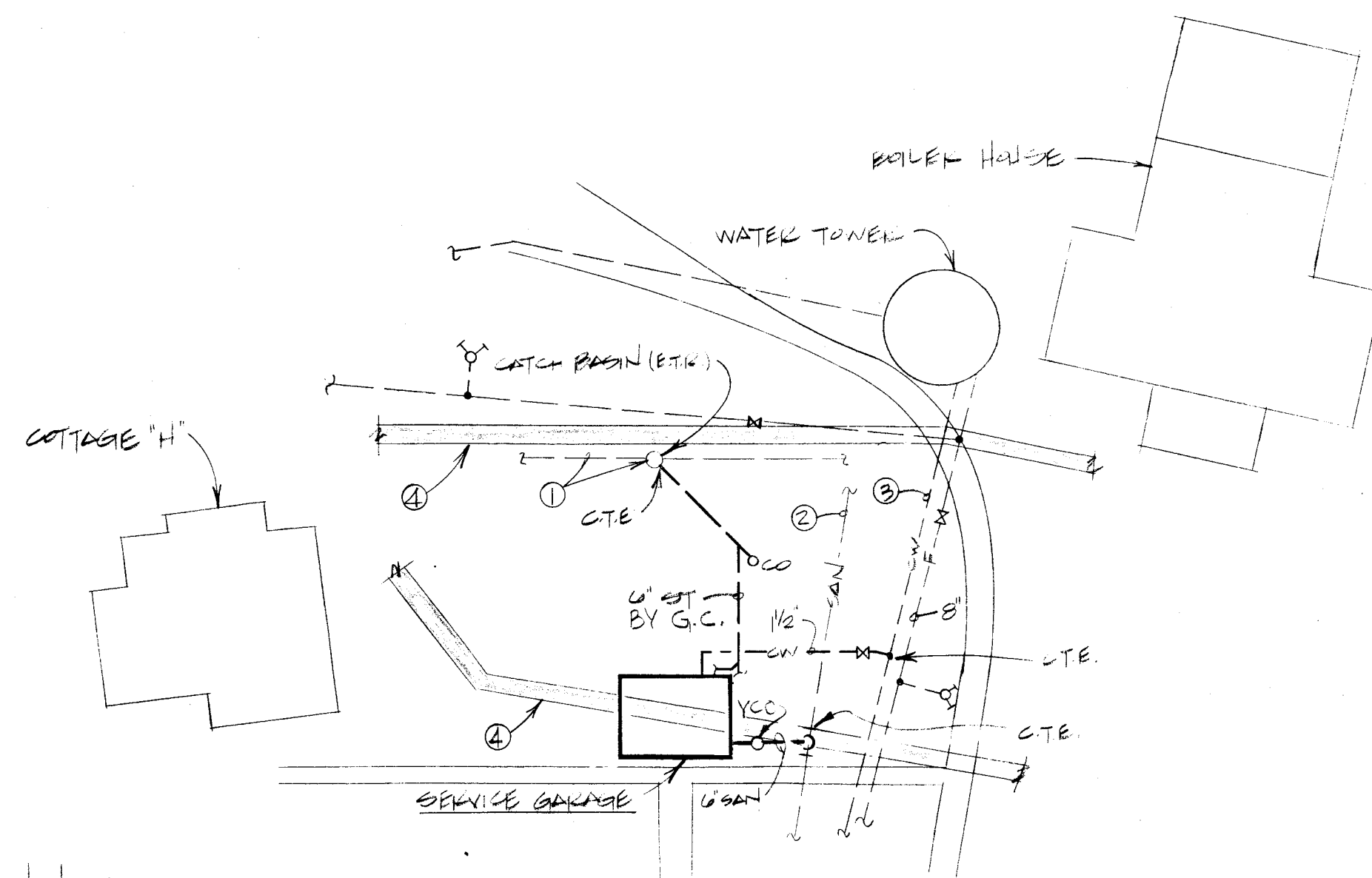
PROJECT TITLE

PROJECT NO. 580-117-91-107
DEMO/UTILITY REALIGNMENT
MASSILLON PSYCHIATRIC CENTER
PREPARED FOR STATE OF OHIO
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF PUBLIC WORKS

ISSUED DATE	DESCRIPTION

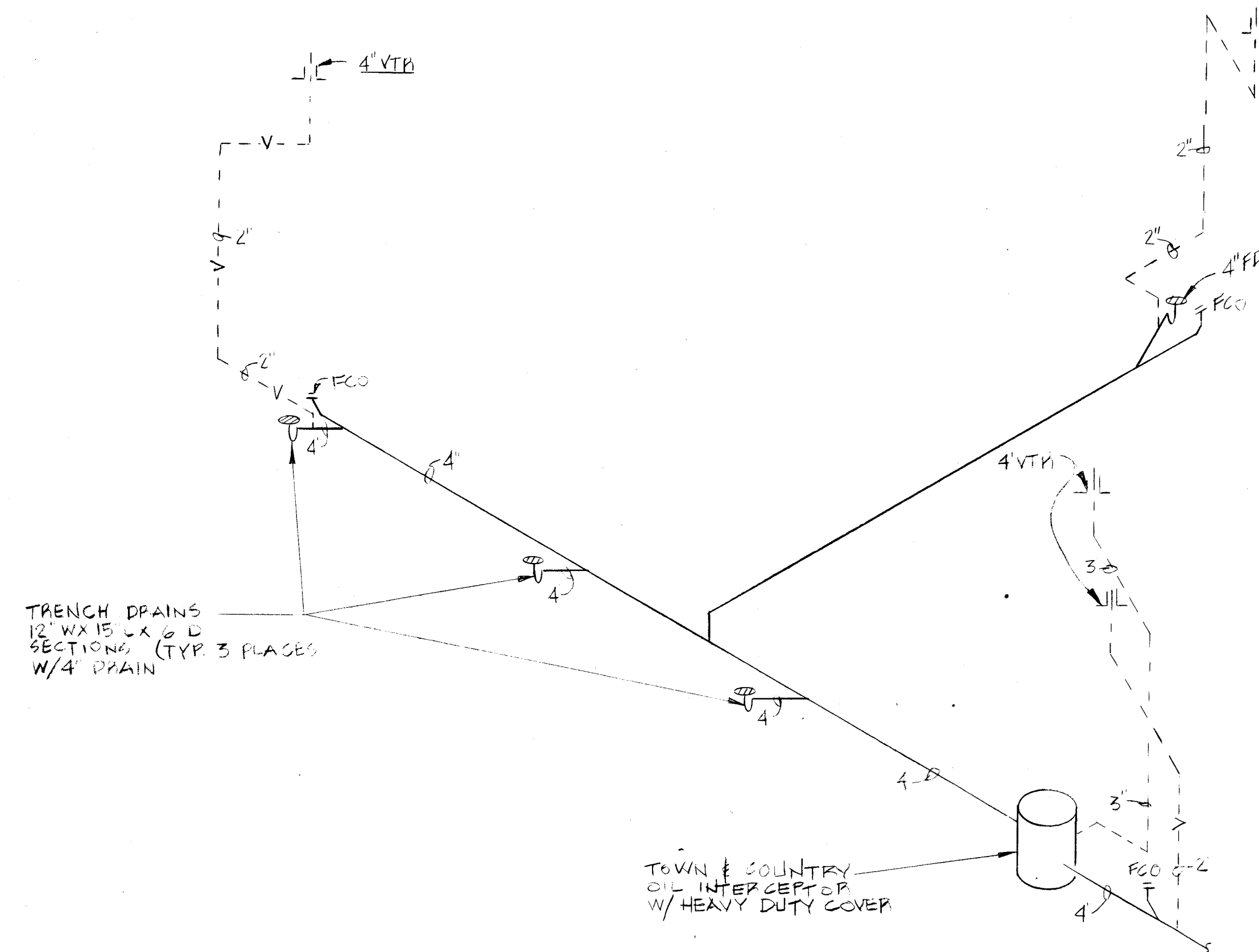
SHEET TITLE			
DETAILS			
SCALE	DRAWN BY	CHECKED BY	DATE
AS NOTED	VC	11/17/91	5/2

SHEET NO.
M-4
PROJECT NO.
580-117-91-107

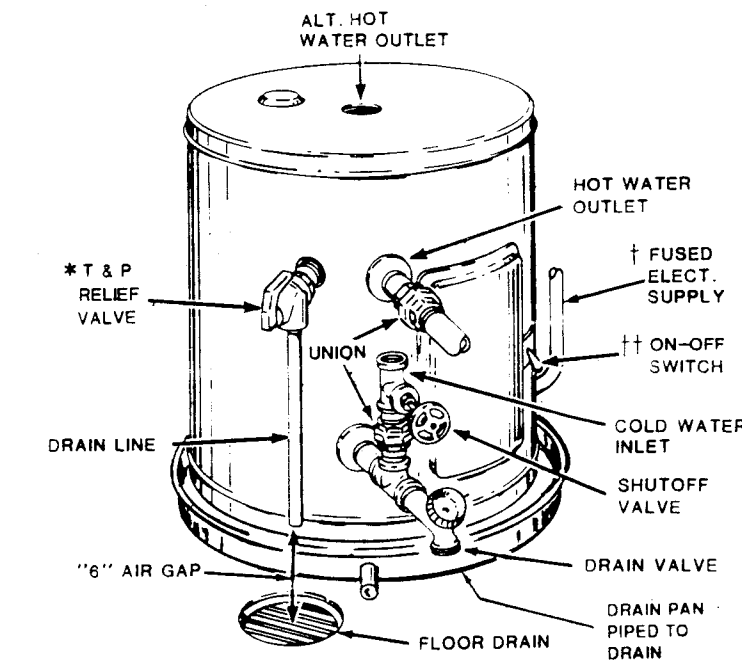


- PLAN NOTES:**
1. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION, SIZE, INVERT, FLOW DIRECTION OF EXISTING STORM LINE AND CATCH BASINS.
 2. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION, SIZE, INVERT AND FLOW DIRECTION OF EXISTING SANITARY LINE.
 3. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION AND SIZE OF EXISTING WATER LINE.
 4. EXISTING TUNNEL TO REMAIN. FIELD VERIFY EXACT LOCATION.

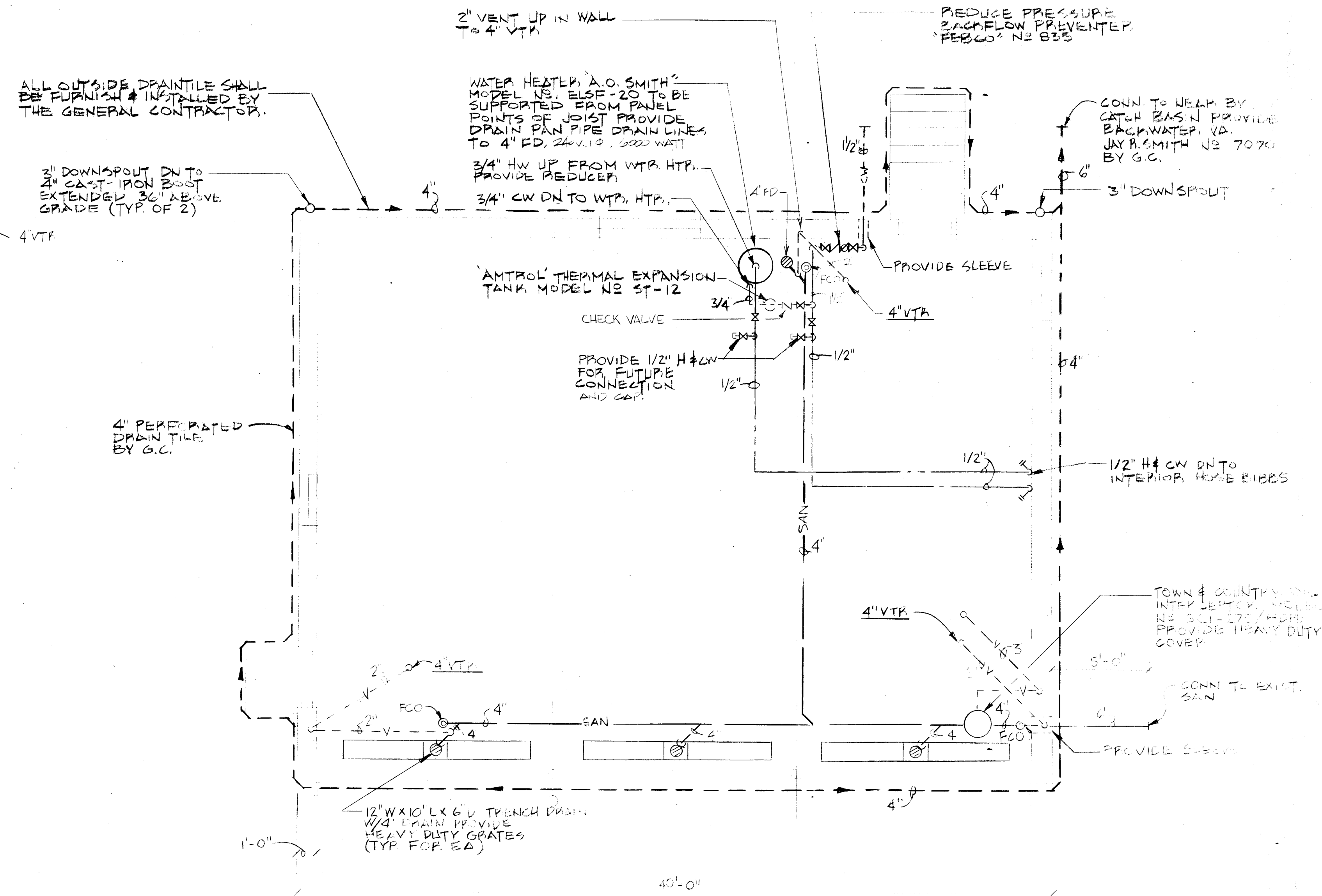
PARTIAL SITE PLAN
SCALE: 1"=50'-0"



STACK DIAGRAM
SCALE: 1"=10'-0"



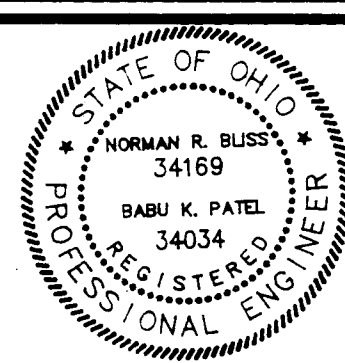
WATER HEATER DETAIL
SCALE: 1/2"=1'-0"



PLUMBING FLOOR PLAN
SCALE: 1/2"=1'-0"



APPROVALS	
DEPT. HEAD	
PROJECT MGR.	
GROUP HEAD	



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PROJECT TITLE
PROJECT NO. 580-117-91-107
DEMO/UTILITY REALIGNMENT
MASSILLON PSYCHIATRIC CENTER
PREPARED FOR STATE OF OHIO
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF PUBLIC WORKS

ISSUED DATE	DESCRIPTION

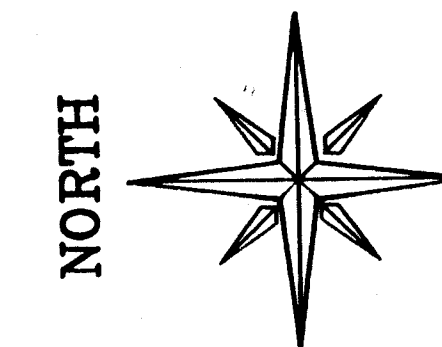
SHEET TITLE			
PLUMBING FLOOR PLAN (SERVICE BUILDING)			
SCALE AS NOTED	DRAWN BY CJ	CHECKED BY P. J. Z	DATE 11/17/12

SHEET NO.
P-1
PROJECT NO.
580-117-91-107



DEMOLITION DRAWING REFERENCE NOTES

- (1) Remove overhead telephone line to Nash building.
- (2) Remove power wiring from cable pole to building padmount transformer. Remove all associated electrical devices from top of pole to below grade.
- (3) Store existing padmounted transformer as directed by owner. RE-USE FOR NEW MAINTENANCE GARAGE.
- (4) Relocate existing telephone equipment to existing pole or set new pole as required by local telephone company standards. Extend telephone cable as required per telephone company standards.
- (5) Remove overhead telephone line between building.
- (6) Remove overhead electric feeder loop to existing building.
- (7) Remove existing overhead electric and telephone feeder to building.
- (8) Remove existing overhead electric feeder between buildings.
- (9) Remove existing overhead telephone line to building.
- (10) Verify location of telephone line to new boiler building and maintain service during construction. Relocate and extend line as required during demolition.
- (11) Existing telephone pull box. Verify with telephone company pole for beginning of underground service. Terminate at pole. Abandon underground feeder. Reroute overhead from pole any telephone lines for existing buildings not being demolished but affected by this change. Provide all wire and appurtenances required per telephone company standards.
- (12) Remove all overhead telephone equipment to this building.
- (13) Remove exterior wall MTD telephone equipment.
- (14) Disconnect telephone service to this building. Remove all equipment not underground to source. (Includes overhead and tunnels).



- (15) NEW RISER POLE SEE DETAIL DWG E-4. VERIFY LOC IN FIELD
- (16) EXTEND EXISTING PRIMARY 3 PHASE OVERHEAD DISTRIBUTION TO NEW RISER POLE. FURNISH & INSTALL MEDIUM VOLTAGE PRIMARY CABLE TO MATCH EXISTING AND ALL APPURTENANCES FOR A COMPLETE INSTALLATION
- (17) TWO 4" PVC CONDUITS & CABLE TO RELOCATED TRANSFORMER. SEE ONE-LINE DIAGRAM DWG E-4
- (18) REMOVE ALL WIRE, CONDUIT & ELECTRICAL DEVICES TO EXISTING ASH TOWER TO POINT OF ORIGIN
- (19) REMOVE ALL WIRE, CONDUIT & ELECTRICAL DEVICES TO EXISTING WATER TOWER TO POINT OF ORIGIN

	APPROVALS		POLYTECH, INC. ENGINEERS • ARCHITECTS • PLANNERS	PROJECT TITLE PROJECT NO. 580-117-91-107 DEMO/UTILITY REALIGNMENT MASSILLON PSYCHIATRIC CENTER PREPARED FOR STATE OF OHIO DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF PUBLIC WORKS	ISSUED DATE	DESCRIPTION	SHEET TITLE	SHEET NO.
	DEPT. HEAD _____ PROJECT MGR. _____ GROUP HEAD _____				_____ _____ _____	ELECTRICAL DEMOLITION PLAN	E-1	
SCALE 1" = 100'		DRAWN BY JRB	CHECKED BY KZ	DATE 11-17-92	PROJECT NO. 580-117-91-107			

DEMOLITION NOTES:

1. Disconnect all wiring at the point of origin. All devices may not be connected to panels shown on plan.
2. Any item intended to be removed but not shown for any reason, shall be verified and removed by the contractor at no additional cost to the owner.
3. Remove all lighting fixtures, switches, junction boxes control, conduits, and associated wires as shown on drawings.
4. Demolition drawings of all disciplines must be checked and all associated electrical devices of equipment removed by others must be removed.
5. Patch and caulk all wall, ceiling or floor openings as required.
6. All conduits penetrating floors or walls not required to be removed and where the architectural applications will conceal, shall be filled with grout.
7. Shift and reroute as required any existing conduit in walls under demolition without interrupting the existing service. All devices remaining must be left in operating condition.
8. Extend existing wires and conduits to new location of the equipment to be relocated as required.
9. All demolition work shall be performed in as orderly fashion without any damage to existing structure and systems.
10. The quantities of items shown are approximate. The Contractor shall verify the quantities of all items and systems before submitting his bid. No additional cost shall be allowed for his failure to do so.
11. Coordinate electrical works with other trades as and when required.
12. All lighting in tunnels not scheduled for demolition but disconnected from power sources in buildings scheduled for demolition shall be recircuited to spare breakers in 120V. panel in new boiler building.
13. All tunnel lighting circuits in tunnel sections scheduled for bulkheading shall be removed to last luminaire before bulkhead.
14. All tunnel conduits passing through areas of new bulkheads shall be relocated out of the area.
15. All tunnel light switches and receptacles for circuits remaining in operation but behind or in way of new bulkhead shall be relocated whether shown on drawings or not. No allowance shall be made for any switches not relocated. Verify new location in field.
16. Any existing tunnel lights remaining unrecircuited after demolition or construction of bulkhead shall be recircuited to nearest tunnel lighting circuit whether shown on drawings or not. No allowances will be made for this work.

GENERAL NOTES

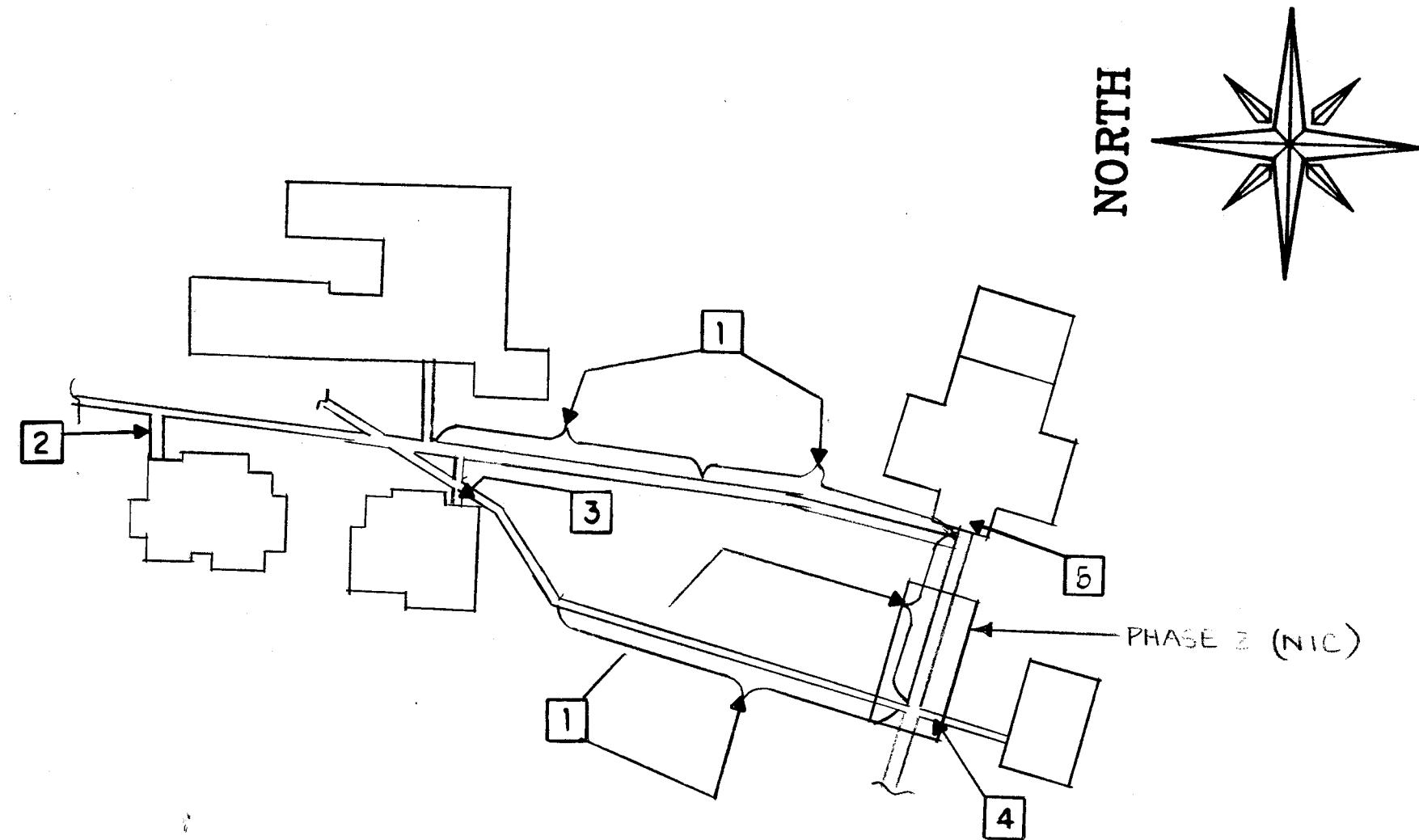
1. ALL NEW WIRING SHALL BE THHN OR THWN FOR POWER & LIGHTING AND SHALL BE IN CONDUIT
2. ALL NEW CONDUIT SHALL BE HOT DIPPED RIGID GALVANIZED STEEL
3. ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE STATE & LOCAL CODES

TELEPHONE COMPANY GENERAL NOTES:

1. Coordinate all work on existing telephone equipment with telephone company (OBT John Gosden 216/489-2318).
2. All work on telephone equipment being put into or remaining in service shall be performed to telephone company standards.
3. Contractor shall pay all costs associated with all modifications to all telephone equipment affected by this contract.
4. Contractor shall have telephone company perform all work on equipment owned by them.
5. All new telephone equipment provided by this contractor shall be to telephone company standards.
6. Remove all overhead telephone lines to buildings scheduled for demolition.
7. All underground telephone service to buildings scheduled for demolition shall be disconnected at the source and abandoned.
8. Telephone system downtime shall be kept to a minimum. Schedule downtime in advance for the convenience of the institution, including weekends, evenings and holidays.

FIRE ALARM SYSTEM GENERAL NOTES

1. Coordinate all work on all fire alarm system equipment with Acree-Daily Corp. (Dale Acree 614/890-1360).
2. Fire alarm system downtime shall be kept to minimum. Schedule downtime in advance for the convenience of the institution, including weekends, evenings and holidays.
3. Contractor shall verify fire alarm system wiring routing in field and extent of work required. No allowances shall be permitted for lack of this knowledge.
4. Contractor shall furnish and install all wire, conduit and appurtenances required and as recommended by the Acree-Daily Corp. to maintain protection to all existing buildings currently protected and not scheduled for demolition.
5. Contractor shall include in his bid all costs for reprogramming and changes in system hardware required because of these building demolitions.
6. Contractor shall perform all wire splices as directed by the Acree-Daily Corp.
7. System shall not be presented to the owner until the system is shown to perform to the satisfaction of the owner and the associate and meet all state code requirements.
8. All fire alarm system components in buildings scheduled for demolition shall be disconnected from system and the wiring shall be spliced and/or extended as required to maintain service to remaining building not scheduled for demolition.



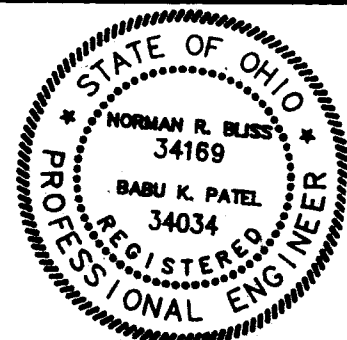
PARTIAL SITE TUNNEL ELECTRICAL PLAN
SCALE: 1" = 100'

TUNNEL ELECTRICAL PLAN REFERENCE NOTES

1. Disconnect tunnel lights from existing source of power and recircuit to spare circuit breaker in 120V electrical panel in building. Consolidate into one circuit. Remove all wire, conduit and appurtenances not being re-used. Furnish and install wire conduit and appurtenances required for new circuiting.
2. Remove existing conduits ahead of new bulkhead to last device on circuit ahead of bulkhead.
3. Relocate existing light switch and conduits to remaining part of tunnel away from new bulkhead.
4. Recircuit any remaining tunnel lights in this remaining section of tunnel to adjacent tunnel lighting circuit and remove any old switches.
5. DISCONNECT & REMOVE EXISTING ELECTRICAL FEEDERS TO EXISTING WATER SERVICE ROOM LIGHTS, RECEPTS & EQUIPMENT. RECIRCUIT LIGHTS & RECEPTS TO SPARE 120V BREAKER IN 120V PANEL IN NEW BOILER HOUSE. FURNISH & INSTALL ALL WIRE, CONDUIT & APPURTENANCES AS REQUIRED.



APPROVALS	
DEPT. HEAD	_____
PROJECT MGR.	_____
GROUP HEAD	_____



POLYTECH, INC.
ENGINEERS • ARCHITECTS • PLANNERS

PROJECT TITLE
**PROJECT NO. 580-117-91-107
DEMO/UTILITY REALIGNMENT
MASSILLON PSYCHIATRIC CENTER
PREPARED FOR STATE OF OHIO
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF PUBLIC WORKS**

ISSUED DATE	DESCRIPTION

SHEET TITLE ELECTRICAL DEMOLITION NOTES & PLANS			
SCALE AS NOTED	DRAWN BY J.R.B.	CHECKED BY KZ	DATE 11-17-92

SHEET NO. E-2
PROJECT NO. 580-117-91-107

SYMBOL	WATTAGE		DESCRIPTION	MANUFACTURER	EQUAL MANUFACTURER
	LAMP	FIXT.			
A	40W R.S.	175W	8'-4 LAMP 10% UPLIGHT WHITE CODE GAUGE STEEL W/PORCELAIN REFLECTOR STD. LAMPS ENERGY SAVING BALLAST HPF 120V	DAYBRITE/BENJAMIN # FL-1024 8U	LIGHTOLIER # TFA-242 KS COLUMBIA # KP 240-25
B	40W R.S.	25W	4'-2 LAMP UP/DOWN LUMINAIRE 20 GA. STEEL HOUSING. CLEAR PRISMATIC DIFFUSERS ENERGY SAVING HPF BALLAST 120V	VERSA-TECH # VWS-5-1-2-4-V/D	LIGHTRON *W 3.25 X7- 240-18 GAKRS-125 H/LT LBA-ESB OK ENGINEER APPROVED EQUAL
C	35W H.R.S.	45W	ONE PIECE BRONZE POLYCARBONATE HOUSING W/ CLEAR LENS LIGHT CUTOFF @ 90° WET LOCATION RATED HPF BALLAST 120V	DAYBRITE/BENJAMIN # WLS-35-HS-120-LP	DEVINE SERIES 100 / GE SERIES WALLLIGHTER 70
EM	WITH UNIT	18W	EMERGENCY BATTERY PACK UNIT 2 LIGHT HEADS NEMA 4X PLASTIC HOUSING NICKEL CADMIUM BATTERIES 6V	EMERGI-LITE # KS-C18-2	CHLORIDE # NNM-18-1Y-2 DYNARAY # 4306
E	WITH UNIT		SINGLE FACE EXIT SIGN NEMA 4X FIBERGLASS HOUSING NICKEL CADMIUM BATTERIES 6V	EMERGI-LITE SERIES EXPK	CHLORIDE SERIES NSP DYNARAY SERIES EX
F	100W A-23	100W	ALUMINUM ENCLOSED & GASKETED LUMINAIRE W/WIREGARD, SUITABLE FOR WET LOCATION WALL MOUNT W/OUTLET BOX & 5 TAPPED OPENINGS 120V	APPLETON STYLE- MASTER # VPW-820756	MIDLAND ROSS # F21891AG KILLARK # NVB1566
G	40W R.S.	175W	8'-4 LAMP ENCLOSED & GASKETED DAMP LOCATION RATED FIBERGLASS OR ABS PLASTIC BODY POLYCARBONATE LENS MOUNT 11 FT ABOVE FLOOR W/ MFG RECOMMENDED CHAINS 120V	WILLIAMS SERIES 50	COLUMBIA SERIES LUN LIGHTOLIER SEALTRON # STD 242
H	9W PL FL	25W	ALUMINUM 60. SURF. MT. PL. FLUORESCENT NICKEL STAINLESS DOOR 120V	KIRLIN # 83029	FAIL SAFE SERIES FSS LIGHTRON SERIES 50

PANEL NO LPA

LOCATION: LEFT REAR WALL

DWG. NO.: E-3

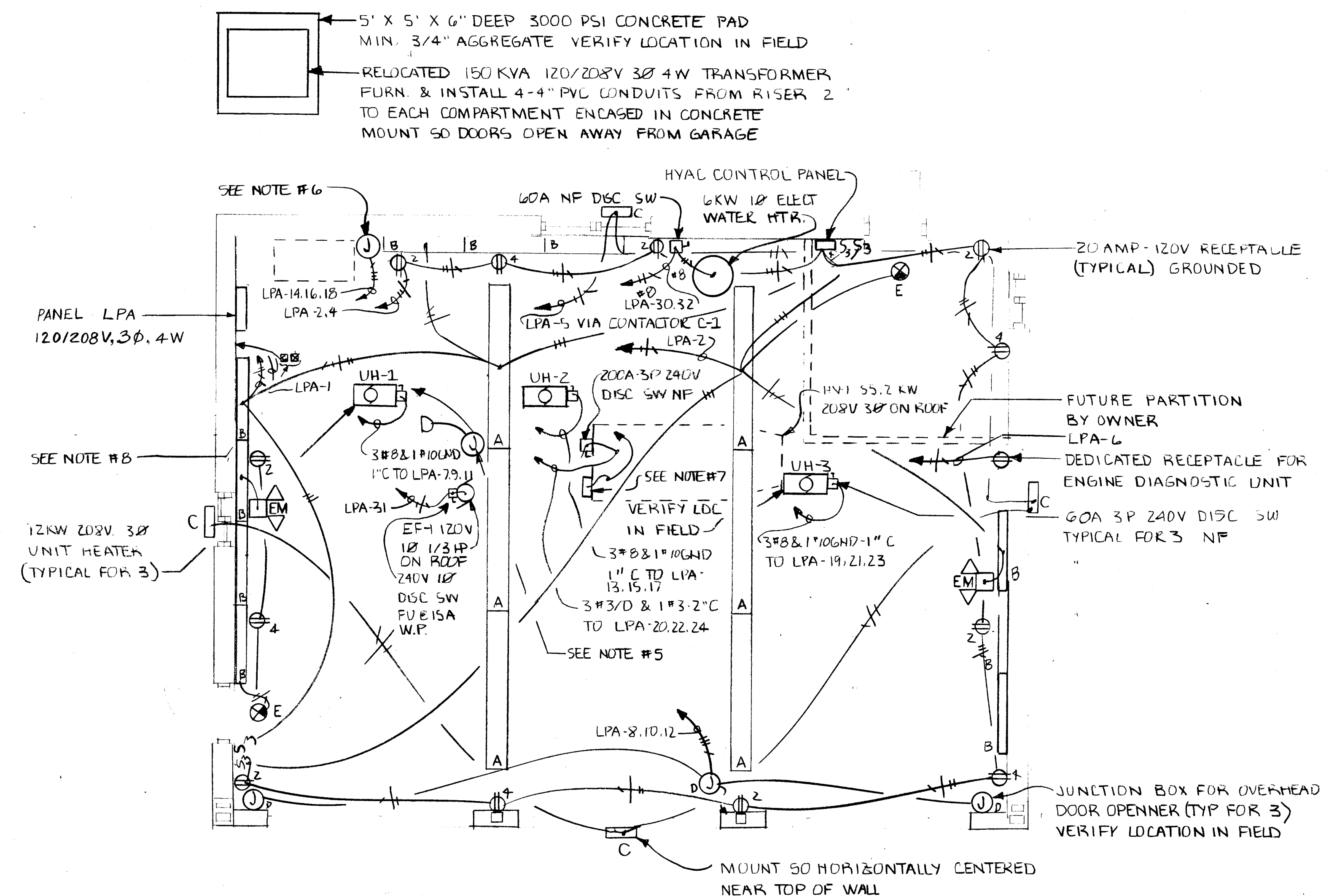
WIRING PANEL SCHEDULE

3 PHASE 4 WIRE 120/208Y VOLTS 400 AMPS MAINS SURFACE MOUNTED

CKT	DESCRIPTION	BREAKER POLE	AMP	AMPERES			CKT	DESCRIPTION	BREAKER POLE	AMP
				0 A	0 B	0 C				
1	LIGHTING INTERIOR	1	20	10	12		2	RECEPT.	1	20
3						7	10			
5	↓									
7	EXTERIOR	↓	↓							
9	UH-1 12KW	3	45	33	7		5	5	6	FOR DIA# UNIT
11						33	7		8	
13				33	8				10	DOOR OPENNERS
15	UH-2 12 KW	3				33	8		12	
17									14	COMPRESSOR 2HP
19				33	153				16	
21	UH-2 12 KW	3				33	153		18	
23									20	
25									22	HV-1 55.2 KW
27	SPARE	3	40	-	14				24	
29									26	HYDRAULIC HOIST 2HP
31	EF-1 1/3 HP	1	20	8	28				28	
33	SPARE								30	ELECT WATER HTR 6KW
35									32	
37									34	SPARE
39									36	
41									38	
									40	
									42	
TOTALS:			339	293	305					

CONNECTED LOAD 113.12 KVA
 DEMAND LOAD 113.12 KVA
 MIN. A.I.C. RATING 22000 AMPS SYMMETRICAL

MAIN LUGS ONLY: 400 AMP
 MAIN BREAKER 400 AMP



WP- WEATHERPROOF
NF- NON FUSED

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

SEE DWG. E-4 FOR NOTES

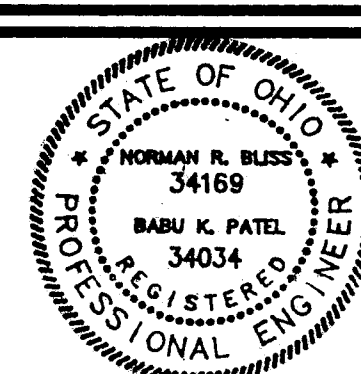


APPROVALS

DEPT. HEAD

PROJECT MC

GROUP HEA



POLYTECH, INC.
ENGINEERS • ARCHITECTS • PLANNERS

PROJECT TITLE	
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PROJECT NO. 580-117-91-107
DEMO/UTILITY REALIGNMENT
MASSILLON PSYCHIATRIC CENTER
PREPARED FOR STATE OF OHIO
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF PUBLIC WORKS

ISSUED

SHEET TITLE

ELECTRICAL FLOOR PLAN/

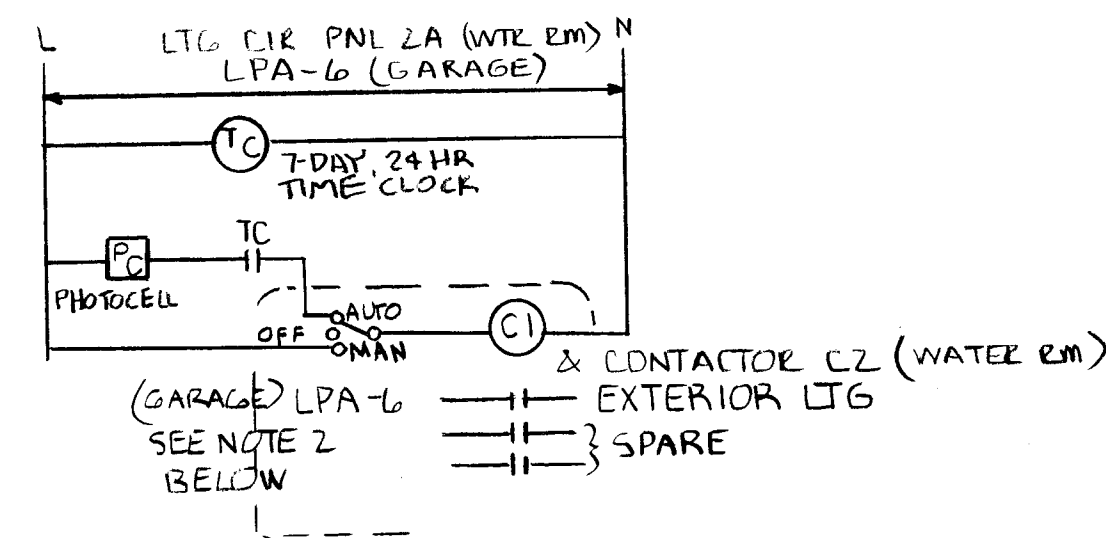
HEET NO.

-3

PROJECT NO. _____

SCALE	DRAWN BY	CHECKED BY	DATE
AS NOTED	JRB	KZ	11-17-92

- NOTES
1. MOUNT RECEPTACLES ON BACK WALL ABOVE WORK BENCH. COORDINATE LOCATION IN FIELD.
 2. MOUNT ALL ELECTRICAL DEVICES NOT OVER A WORKBENCH 48" ABOVE FINISHED FLOOR.
 3. MOUNT TYPE "A" LUMINAIRES SO BOTTOM IS AT SAME HEIGHT AS OVERHEAD DOOR WHEN RAISED TO HORIZONTAL POSITION. VERIFY LOCATION IN FIELD.
 4. MOUNT TYPE "B" FIXTURES 8' ABOVE FINISHED FLOOR. VERIFY LOCATION IN FIELD.
 5. JUNCTION BOX FOR RELOCATED HYDRAULIC HOIST. SUPPORT FROM ROOF JOISTS. FURNISH AND INSTALL #8 "SO" CABLE AND HUBBELL CONNECTOR TO MATCH EXISTING HUBBELL CONNECTOR ON HOIST CORD. SUPPORT "SO" CABLE WITH KELLEM CABLE SUPPORT FROM ROOF JOISTS. SO CABLE CONNECTOR SHALL HANG AT 5'-0" ABOVE FINISHED FLOOR. VERIFY LOCATION IN FIELD.
 6. JUNCTION BOX, WIRE AND CONDUIT FOR FUTURE RELOCATION OF 2 HP 208 VOLT 3/4 COMPRESSOR. VERIFY WITH OWNER AMOUNT OF LEAD WIRE AT JB IN FIELD.
 7. FURNISH AND INSTALL WEATHERPROOF RECEPTACLE AND SWITCH AND LUMINAIRE TYPE "P" ON RV-1 ON ROOF. COORDINATE LOCATION OF DEVICE WITH MECHANICAL CONTRACTOR FOR APPROPRIATE LOCATION ON UNIT.
 8. MOUNT EXTERIOR LIGHTING CONTROL AND EF-1 COMBINATION MOTOR STARTER DISCONNECT SWITCH 120 VOLT, 1/8 MI ON WALL FUSE STARTER SWITCH AT 15 AMPS.
 9. FURNISH AND INSTALL ALL ELECTRICAL EQUIPMENT REQUIRED FOR TEMPORARY ELECTRIC POWER FOR ALL TRADES. ALL WORK SHALL CONFORM TO ALL LOCAL CODES AND THE NATIONAL ELECTRIC CODE. NO ALLOWANCES SHALL BE MADE FOR ANYTHING REGARDING TEMPORARY ELECTRICAL POWER.

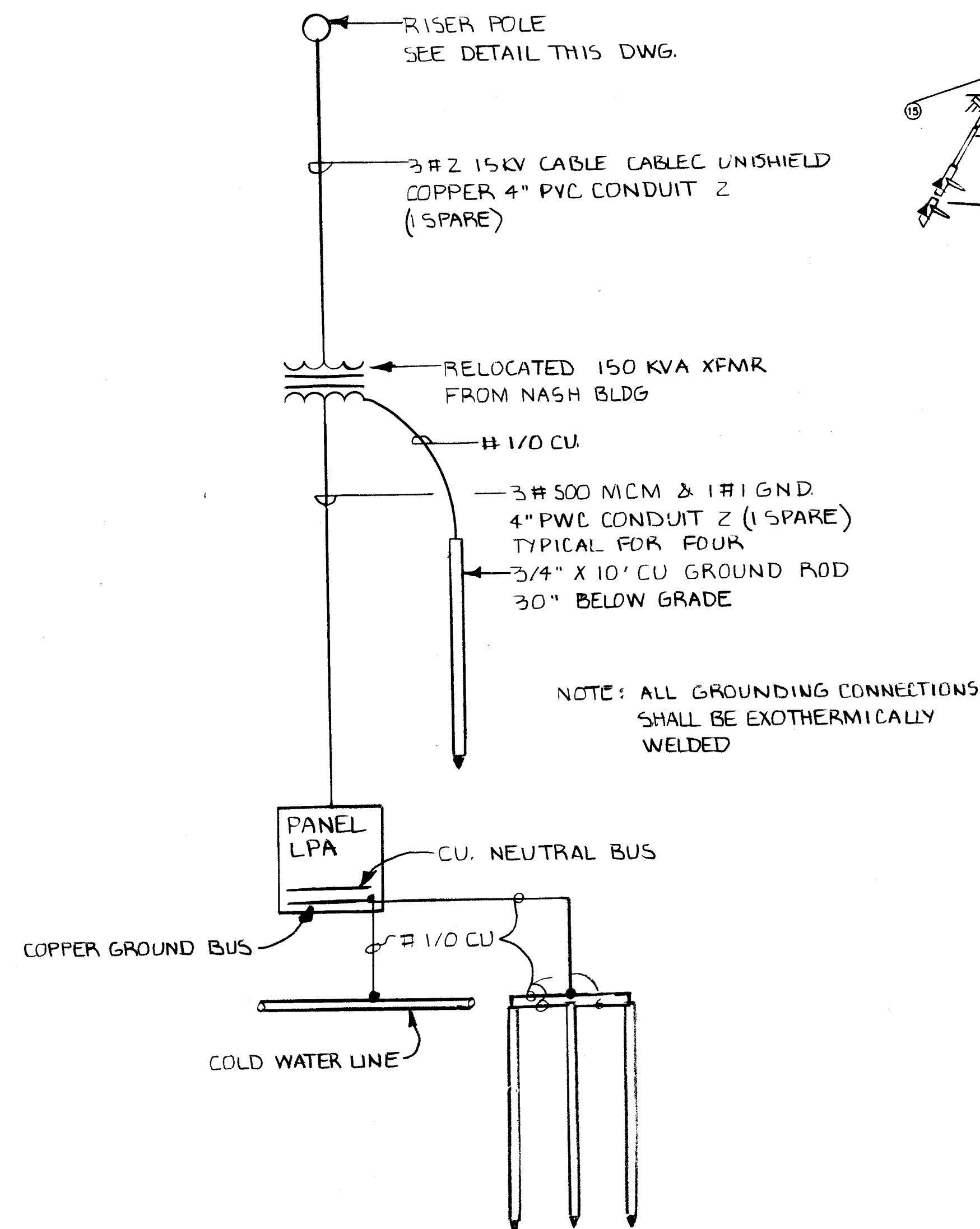


EXTERIOR LIGHTING CONTROL CIRCUIT

SCALE: NOT TO SCALE

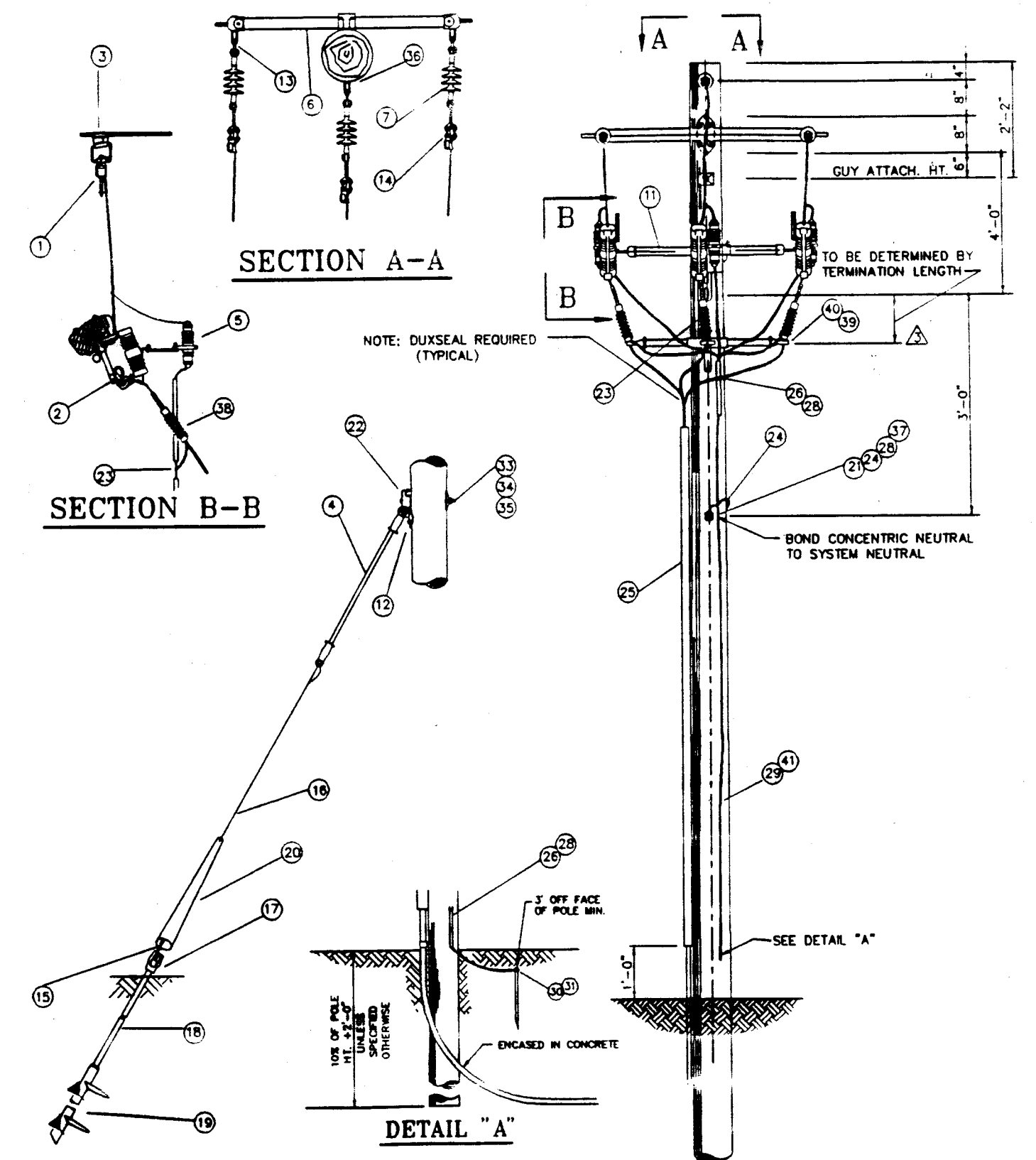
NOTES:

1. MECHANICALLY HELD OPEN TYPE CONTACTORS W/120V COIL 480V RATED COMMONLY OPERATED CONTACTS AS INDICATED OR REQUIRED. ALL TO BE MOUNTED IN NEMA 1 ENCLOSURE W/ MAN-OFF-AUTO SELECTOR SWITCH SQUARE D CLASS 8903 TYPICAL FOR ALL CONTACTORS
2. FURNISH & INSTALL SECOND SYSTEM W/CONTACTOR C2 FOR WATER RM. EXTERIOR LUMINAIRE. SEE DWG E-5 SYSTEM SHALL HAVE IDENTICAL COMPONENTS



ONE LINE DIAGRAM

SCALE: NOT TO SCALE



BILL OF MATERIALS			
ITEM NO.	ITEM	STOCK NO.	NO. REQ'D
1	HOT-LINE CLAMP	PER JUMPER SIZE	3
2	FUSED CUT-OUT	PER ENGINEER	3
3	IMPACT BALL CONNECTOR	PER ENGINEER	3
4	FIBERGLASS GUY STRAIN INSUL. 36" 30K MIN.	FLAGG 300-36	1 PER ROD
5	ARRESTER, M.O.V. POLYMER	PER ENGINEER	3
6	FIBERGLASS D.E. ARM W/4 EYELETS	PER ENGINEER	3
7	EX-8000 INSUL. ROD-15 TYPE	OB 401015-0215	3
8	BOLT, 5/8" x LENGTH REQ'D	JOSLYN J1824	7
9	SO. CURVED WASHER 11/16 HOLE 3X3X1/4	JOSLYN J113	1
10	WASHER, SPRING FOR 5/8" BOLT	JOSLYN J3540	8
11	FIBERGLASS SPIR. C.O. & ARR. BT	FLAGG 7510-756	1
12	LAG SCREW, 3 X 1/2, FETTERDRIVE & POINT	JOSLYN J8753P	2
13	SHACKLE, ANCHOR 9/16"	JOSLYN BT 3009	3
14	D.E. STRAIN CLAMP, CONDUCTOR	PER COND. SIZE	3
15	GUY GRP	PER STRAND SIZE	2 PER GUY
16	GUY STRAND	PER ENGINEER	AS REQ'D
17	EVENUT FOR 1" ANCHOR ROD, TWINEYE	CHANCE 5562	1 PER ROD
18	ANCHOR ROD, 7" x 1"	CHANCE 12334P	AS REQ'D
19	ANCHOR, SHOCK OR DOUBLE HELIX	CHANCE	1 PER ROD
20	GUY GUARD, PLASTIC 8" YELLOW	JOSLYN J14937	1 PER ROD
21	D.E. STRAIN CLAMP, NEUTRAL	PER NEUTRAL SIZE	2
22	GUY HOOK, COMBINATION TYPE	PER CABLE NEUT.	3
23	PARALLEL CLAMP	PER NEUT & STRAND	1
24	PARALLEL CLAMP	PER NEUT & STRAND	1
25	PVC CABLE GUARD	JOSLYN PQG-410	1
26	MOLDING, WOOD	HUGHES 2501.8	40
27	SCREW, LAG W/NEOPRENE WASHERHEAD	JOSLYN	24
28	CAV. STAPLES OVER WOOD MOLDING	HUGHES 2501.4	AS REQ'D
29	#4 S.D. COPPERWELD		
30	GROUND ROD 5/8" x 8", COPPERBONDED	JOSLYN J9158	1
31	GROUND CLAMP FOR 5/8" ROD	JOSLYN J892	1
32	GUY HOOK	FLAGG P135A	1
33	MACHINE BOLT 7/8" x LENGTH REQ'D	JOSLYN J9062-9074	3
34	WASHER, SPRING FOR 7/8" BOLT	JOSLYN J5542	3
35	WASHER SQ. CURVED 3 1/2x3 1/2x3/8 15/16 HOLE	JOSLYN J5828	1
36	OVALEYE BOLT 5/8"	JOSLYN J1092	1
37	EVENUT FOR 5/8" BOLT	PER CABLE SIZE	3
38	CABLE POSITIONER	ALLUMIFORM CS-820	1
39	CABLE POSITIONER	FLAGG 7510-536	1
40	13 PH. C.O. & ARRESTOR BTK	JOSLYN J6487	AS REQ'D
41	STAPLE, ROLLED, OVER BARE COPPERWELD		

NOTE: ALL STOCK ITEMS ARE "OR EQUIVALENT" WITH ENGINEER APPROVAL.
• PRIMARY GUYS ONLY
• TRIPLE NUT AS REQ'D. BY ENGINEER

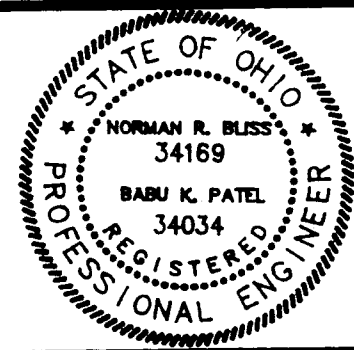
RISER POLE DETAIL

SCALE: NOT TO SCALE



POLYTECH, INC.

APPROVALS	
DEPT. HEAD	
PROJECT MGR.	
GROUP HEAD	



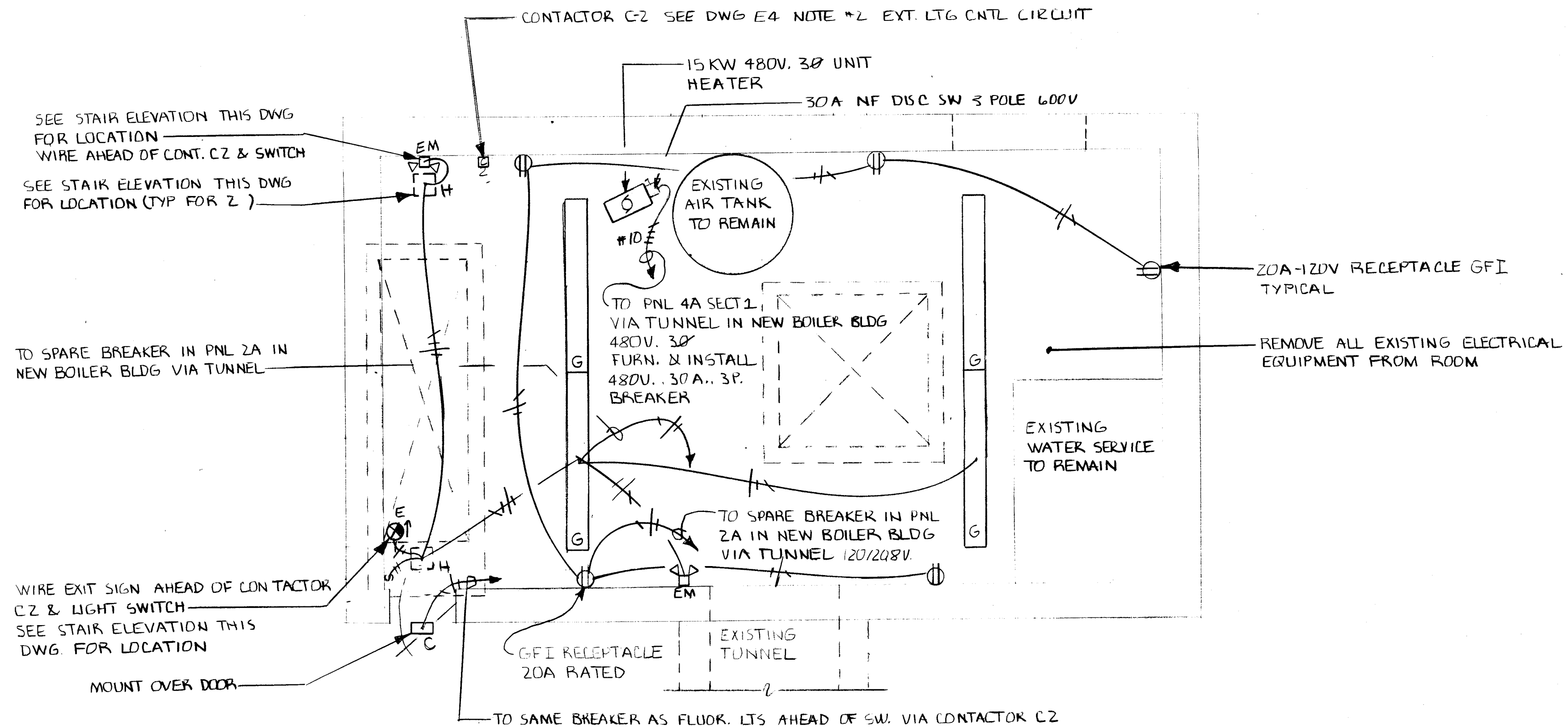
POLYTECH, INC.
ENGINEERS • ARCHITECTS • PLANNERS

PROJECT TITLE
PROJECT NO. 580-117-91-107
DEMO/UTILITY REALIGNMENT
MASSILLON PSYCHIATRIC CENTER
PREPARED FOR STATE OF OHIO
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF PUBLIC WORKS

ISSUED DATE	DESCRIPTION

SHEET TITLE			
ELECTRICAL DETAILS/ ONE-LINE DIAGRAM			
SCALE AS NOTED	DRAWN BY JRB	CHECKED BY KZ	DATE 11-17-92

SHEET NO.	
E-4	
PROJECT NO. 580-117-91-107	



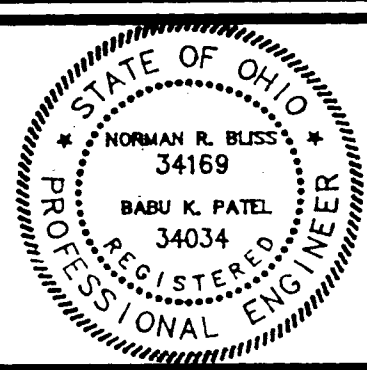
WATER SERVICE BLDG. ELECTRICAL PLAN

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

SEE NOTES 2 & 9 ON DWG. E-4

STAIR ELEVATION

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

 POLYTECH, INC.	APPROVALS DEPT. HEAD _____ PROJECT MGR. _____ GROUP HEAD _____		POLYTECH, INC. ENGINEERS • ARCHITECTS • PLANNERS	PROJECT TITLE PROJECT NO. 580-117-91-107 DEMO/UTILITY REALIGNMENT MASSILLON PSYCHIATRIC CENTER PREPARED FOR STATE OF OHIO DEPARTMENT OF ADMINISTRATIVE SERVICES DIVISION OF PUBLIC WORKS	<table border="1"> <tr> <th>ISSUED DATE</th> <th>DESCRIPTION</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	ISSUED DATE	DESCRIPTION													SHEET TITLE WATER SERVICE BUILDING ELECTRICAL PLAN (BASEMENT OLD BOILER HOUSE) <table border="1"> <tr> <th>SCALE</th> <th>DRAWN BY</th> <th>CHECKED BY</th> <th>DATE</th> </tr> <tr> <td>AS NOTED</td> <td>JKR</td> <td>KZ</td> <td>11-17-92</td> </tr> </table>	SCALE	DRAWN BY	CHECKED BY	DATE	AS NOTED	JKR	KZ	11-17-92	SHEET NO. E-5 PROJECT NO.: 580-117-91-107
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