Utility Realignment
Massillon Psych. Center
ODMH
Massillon, Ohio

PROJECT NO. 580-117-91-107

DEMO/UTILITY REALIGNMENT

AT

MASSILLON PSYCHIATRIC CENTER

MASSILLON, OHIO

FOR

OHIO DEPARTMENT OF MENTAL HEALTH

MICHAEL F. HOGAN, PH.D., DIRECTOR

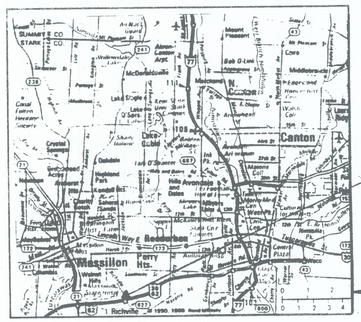
PREPARED FOR

DEPARTMENT OF ADMINISTRATIVE SERVICES

JAMES CONRAD DIRECTOR

DIVISION OF PUBLIC WORKS

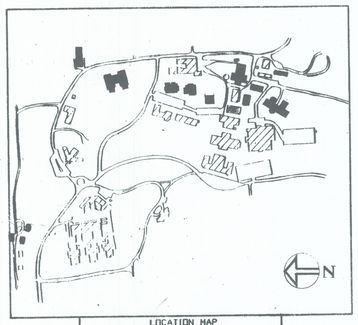
FRED W. FORBES, A.I.A. AND N.S.P.E. DEPUTY DIRECTOR
JOSEPH F. BUSCH STATE ARCHITECT



PROJECT SITE

NORTH

SITE LOCATION PLAN



PROJECT SITE

VICINITY PLAN

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)
C-5	[illegible]
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	WATER 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 FLOOR PLAN (SERVICE BUILDING)
E-1	ELECTRICAL DEMOLITION PLAN
E-2	ELECTRICAL DEMOLITION NOTES & PLAN
E-3	ELECTRICAL FLOOR PLAN [illegible]
E-4	ELECTRICAL DETAILS, [illegible]
E-5	WATER SERVICE BUILDING ELECTRICAL [illegible]

The structural elements of these drawings have not been checked. The sufficiency 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

APPROVED SUBJECT TO REQUIREMENTS OF:
Ohio Building Code (BB-31, Plumbing).
Contact State or Local Health Department.
Ohio Elevator Code.
Ohio Boiler and Unfired Vessel Rules.
Ohio Pressure Piping Systems Rules.
Contact Ohio Department of Industrial Relations.
And all other requirements of the Ohio Revised Code
Chapter: [illegible]
Construction and erection not in compliance with these approved plans is in violation of Section 3781.06 of the Ohio Revised Code.

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

DO NOT REMOVE FROM FILE ROOM

930926
930925
STARC

DUPLICATE
STATE OF OHIO
DEPARTMENT OF INDUSTRIAL RELATIONS
DIVISION OF FACTORY AND BUILDING INSPECTION
APPROVED
DATE: 4/28/93
BY: [illegible]
P2

OHIO DEPARTMENT OF HEALTH
APPROVAL RECOMMENDED
APR 09 1993
[illegible]
Inspector of Plumbing

STATE OF OHIO
NORMAN R. BLISS
34169
BABU K. PATEL
34034
REGISTERED
PROFESSIONAL ENGINEER

CONSTRUCTION DOCUMENTS

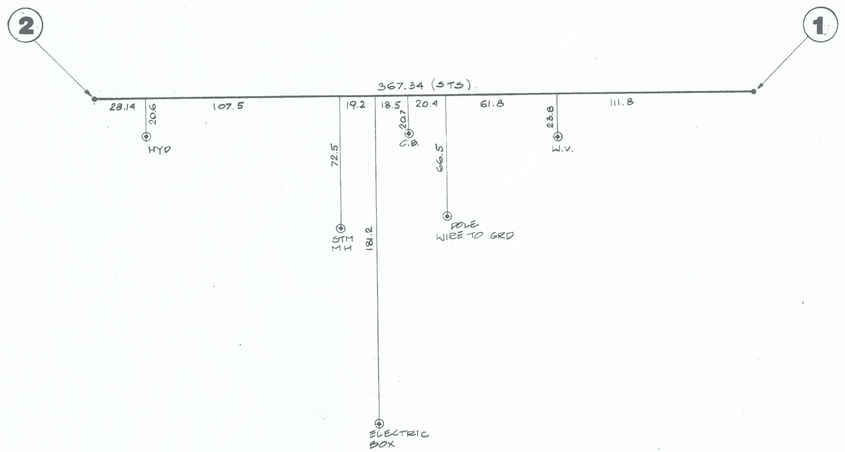
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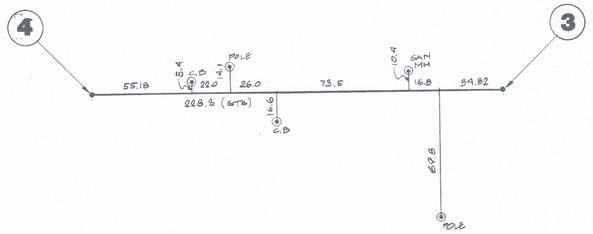
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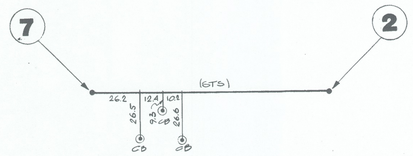
ENGINEERS • ARCHITECTS • PLANNERS
CLEVELAND, OHIO

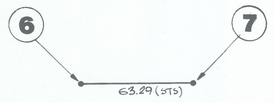
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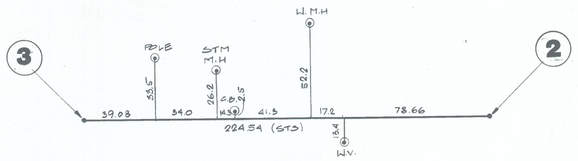
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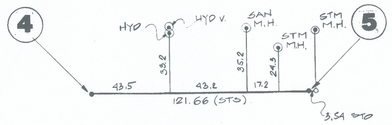


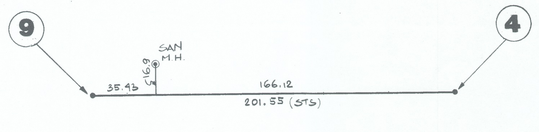


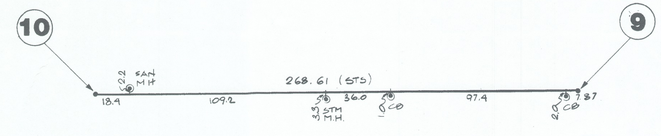


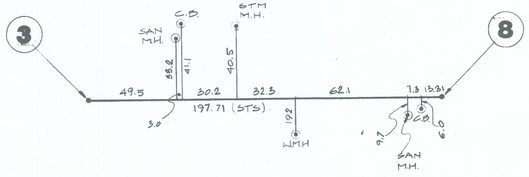


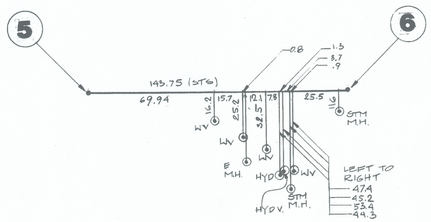


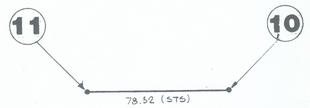


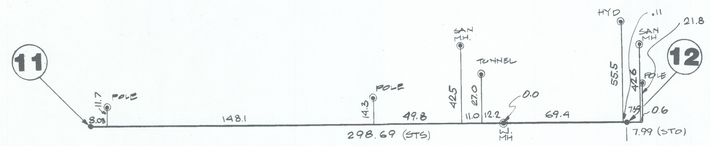


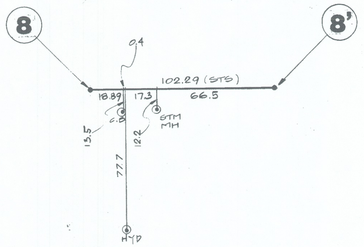


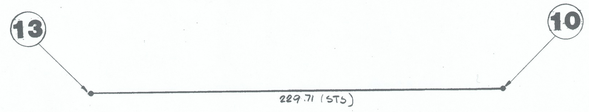


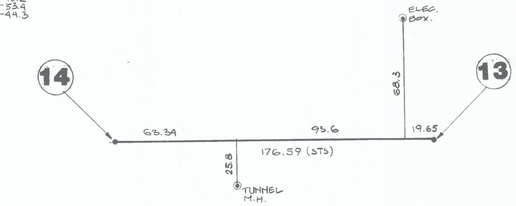


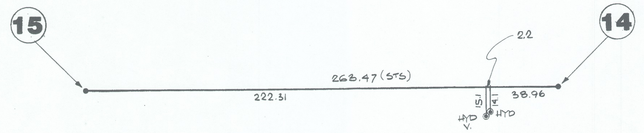












LEGEND

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

POLYTEOH, INC.

APPROVALS

DEPT. HEAD _____ _____

PROJECT MGR. _____ _____

GROUP HEAD _____ _____

STATE OF OHIO
NORMAN R. BLISS 34169
BABU K. PATEL 34034
REGISTERED PROFESSIONAL ENGINEER

POLYTEOH, INC.

ENGINEERS • ARCHITECTS • PLANNERS

PROJECT TITLE

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

ISSUED DATE	DESCRIPTION

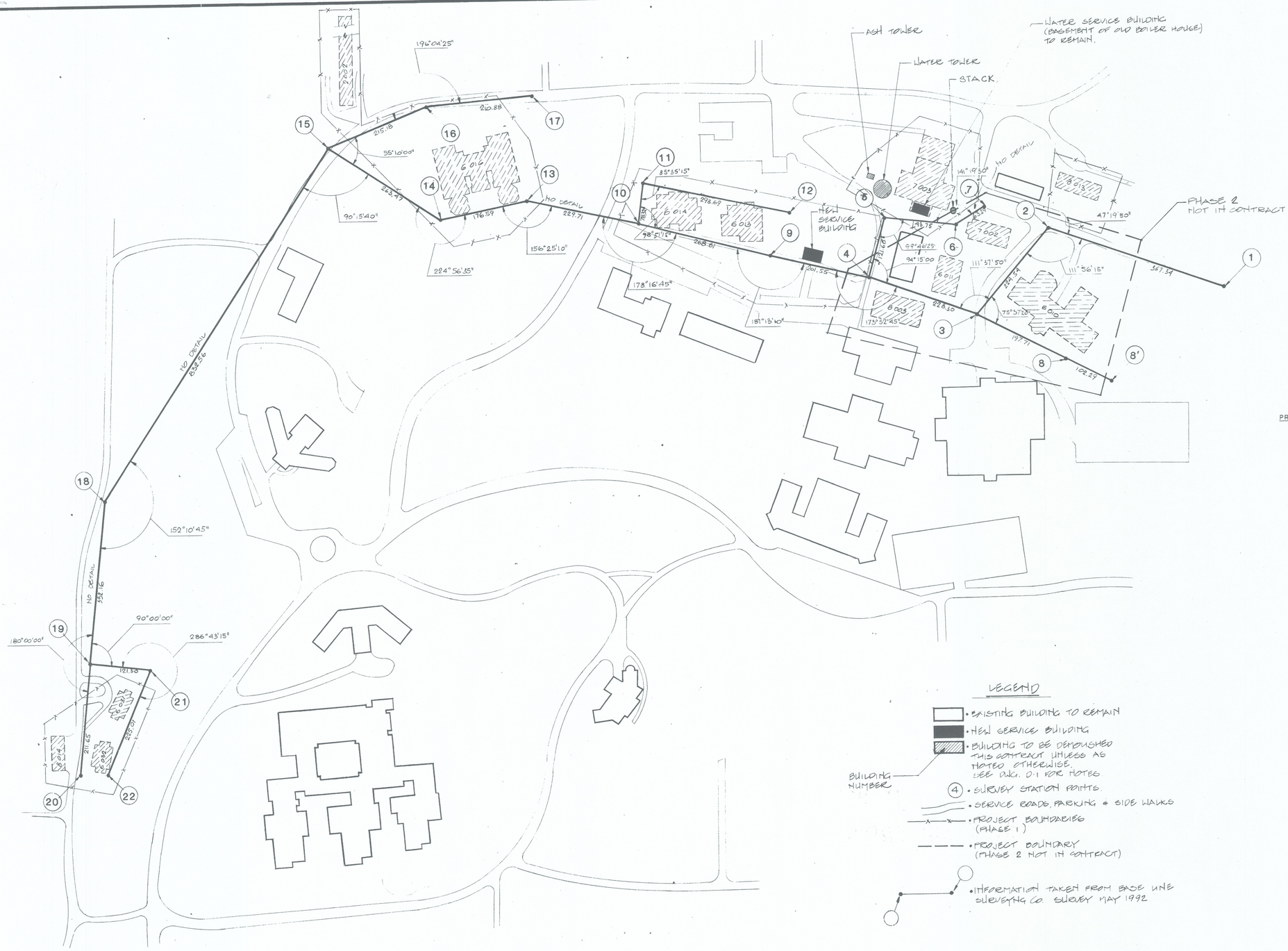
SHEET TITLE

SURVEY DETAILS

SCALE	DRAWN BY	CHECKED BY	DATE
NTS	JP	D.R.S	11/6/92

SHEET NO. **C-2**

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	ASH	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	GROUNDS 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
- (4) 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

BUILDING NUMBER

APPROVALS
DEPT. HEAD
PROJECT MGR.
GROUP HEAD

STATE OF OHIO
NORMAN R. BLISS 34169
BABU K. PATEL 34034
REGISTERED PROFESSIONAL ENGINEER

POLYTECH, INC.
ENGINEERS • ARCHITECTS • PLANNERS

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

ISSUED DATE	DESCRIPTION

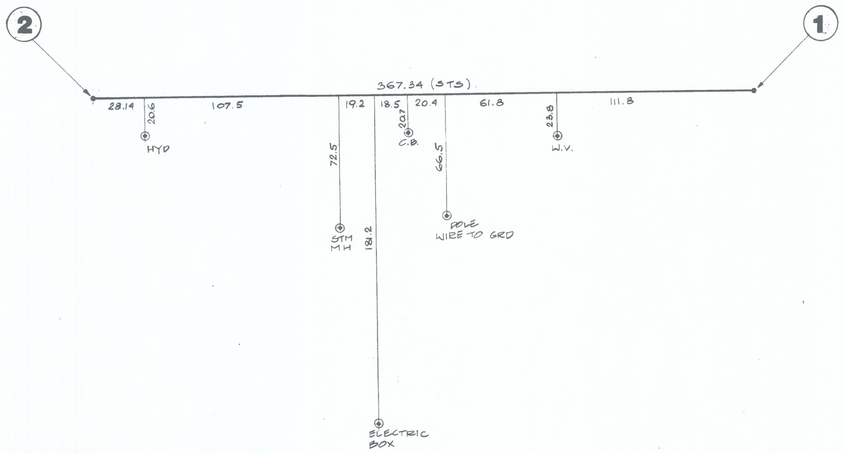
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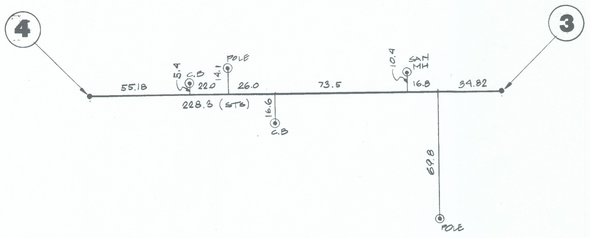
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1" = 100'	KAC	DRS	11-16-92

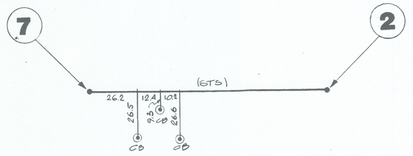
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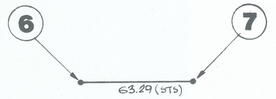
PROJECT NO. 580-117-91-107

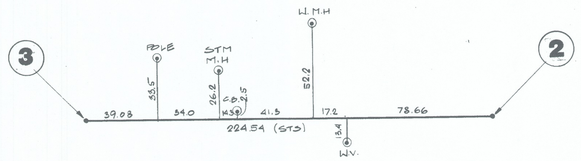
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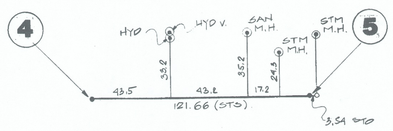


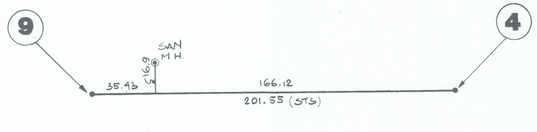


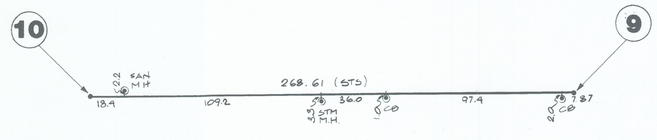


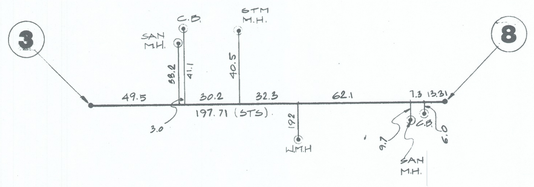


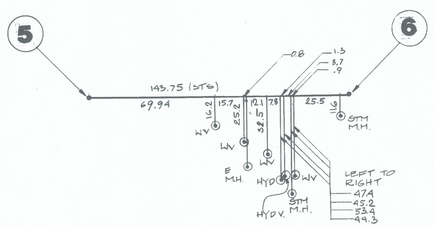


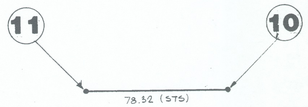


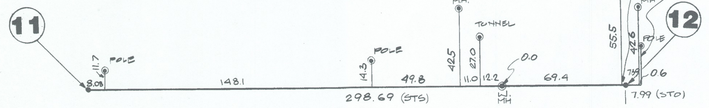


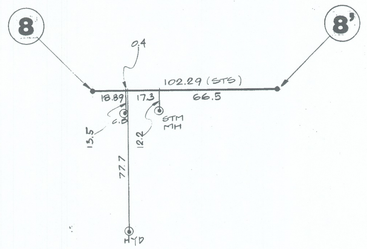




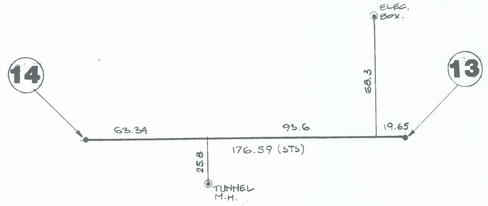


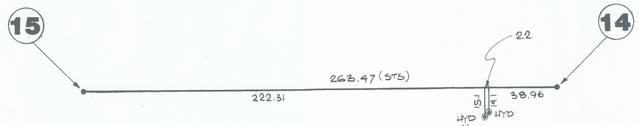












LEGEND

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 _____ _____

POLYTEOH, INC.

STATE OF OHIO
NORMAN R. BLISS 34169
BABU K. PATEL 34034
REGISTERED PROFESSIONAL ENGINEER

POLYTEOH, INC.

ENGINEERS • ARCHITECTS • PLANNERS

PROJECT TITLE

PROJECT NO. 580-117-91-107
DEMO/UTLILITY REALIGNMENT
MASSILLON PSYCHIATRIC CENTER
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DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF PUBLIC WORKS

ISSUED DATE	DESCRIPTION

SHEET TITLE

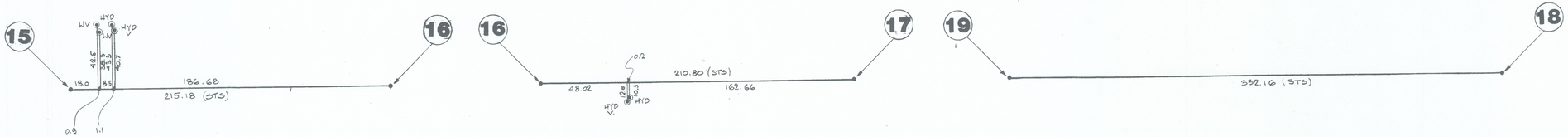
SURVEY DETAILS

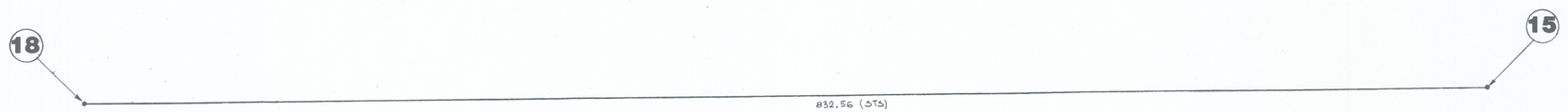
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SHEET NO. C-2

PROJECT NO. 580-117-91-107

SERVICE BLUEPRINT CO., N29186



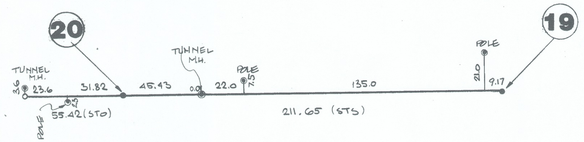


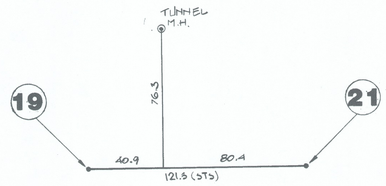
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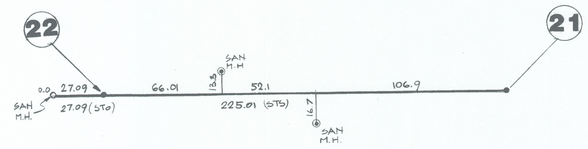
STS	STATION TO STATION DISTANCE
STO	STATION EXTENSION TO OFFSET
CB	CATCH BASIN
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GRD	GROUND
HYD	HYDRANT
MH	MANHOLE
POLE	POLE
SAN	SANITARY
STM	STEAM
V	VALVE
W	WATER
WIRE	ELECTRIC WIRE

EXAMPLES:

WV	WATER VALVE
STM MH	STEAM MANHOLE







APPROVALS

DEPT. HEAD _____ _____

PROJECT MGR. _____ _____

GROUP HEAD _____ _____

POLYTEOH, INC.

STATE OF OHIO
NORMAN R. BLISS 34169
BABU K. PATEL 34034
REGISTERED PROFESSIONAL ENGINEER

POLYTEOH, 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

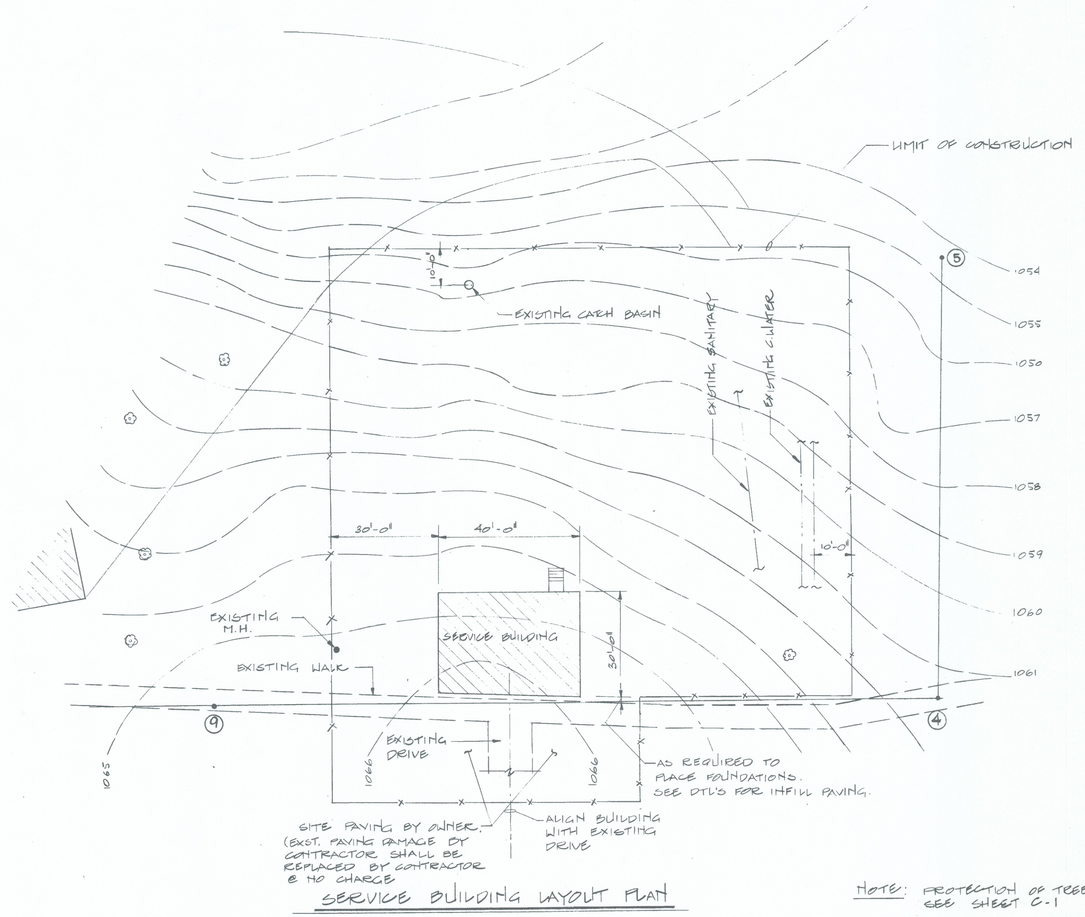
SHEET TITLE

SURVEY DETAILS

SCALE	DRAWN BY	CHECKED BY	DATE
NTS	JF	DRS	11-17-92

SHEET NO. **C-3**

PROJECT NO. 580-117-91-107



SERVICE BUILDING LAYOUT PLAN

SCALE 1"=20'-0"

NORTH

NOTE: PROTECTION OF TREES & LAWN SEE SHEET C-1

POLYTECH, INC.

APPROVALS

DEPT. HEAD

PROJECT MGR.

GROUP HEAD

STATE OF OHIO
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ISSUED DATE	DESCRIPTION

SHEET TITLE

SITE LAYOUT & GRADING PLAN

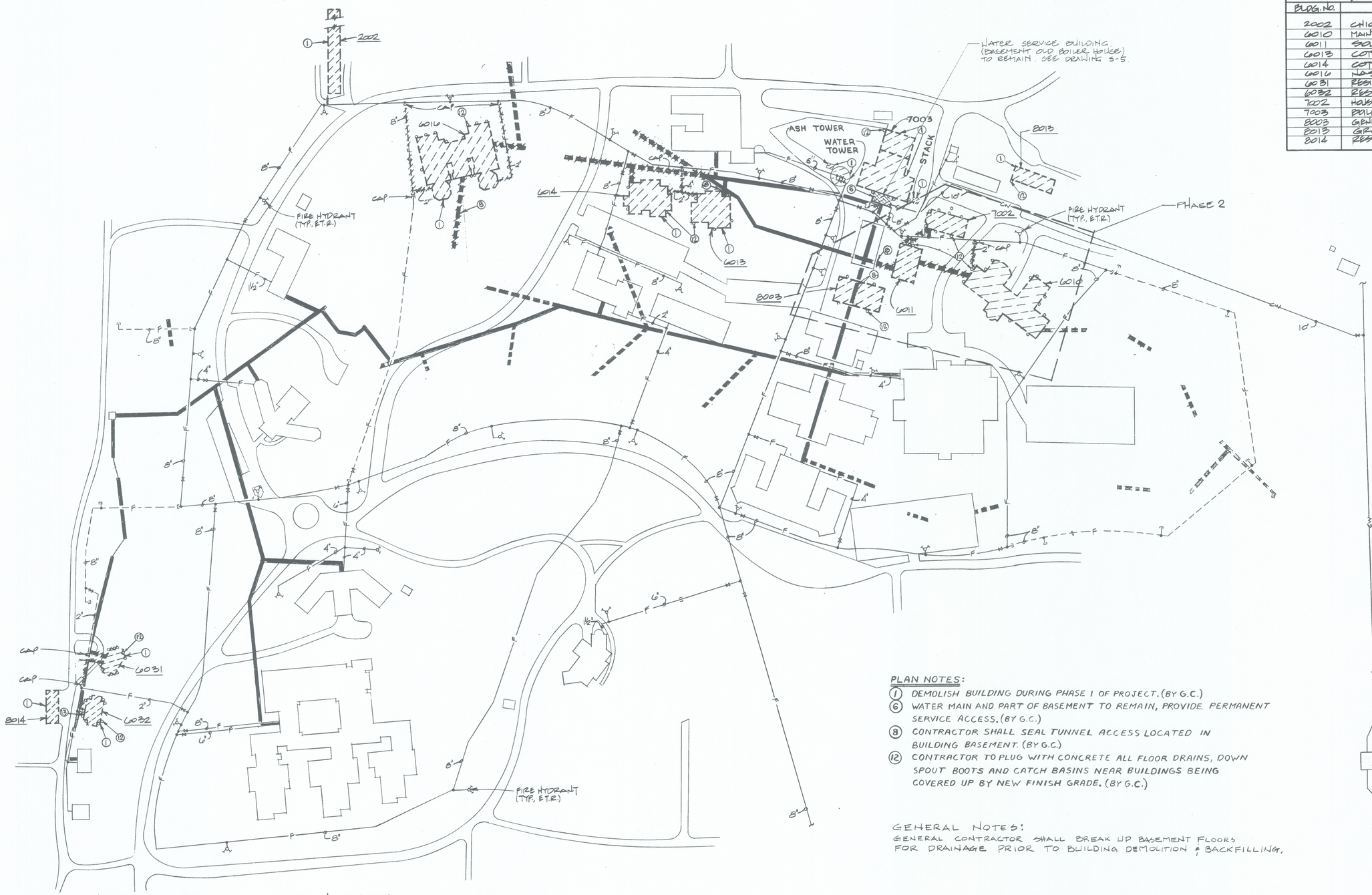
(SERVICE BUILDING)

SCALE	DRAWN BY	CHECKED BY	DATE
1"=20'-0"	RAC	DRS	11-17-92

SHEET NO. **C-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 # 2 (DUPLEX)	1
6032	RESIDENCE # 3 & 4 (DUPLEX)	1
7002	HOUSEKEEPING BUILDING	2
7003	BOILER HOUSE	1
8003	GENERAL STORAGE	2
8013	GROUNDS 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 —F—
- WATER LINE —CW— 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 1 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 564
MASSILLON, OH. 44648
(216) 833-4156

SANITARY/STORM:
MASSILLON ENGINEERING DEPT.
ONE JAMES DUNCAN PLAZA
MASSILLON, OH. 44646
(216) 830-1724

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

POLYTEOH, INC.

APPROVALS
DEPT. HEAD
PROJECT MGR.
GROUP HEAD

STATE OF OHIO — NORMAN R. BLISS 34169 — BABU K. PATEL 34034 — REGISTERED PROFESSIONAL ENGINEER

POLYTEOH, INC.
ENGINEERS • ARCHITECTS • PLANNERS

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

ISSUED DATE	DESCRIPTION

SHEET TITLE: **DEMOLITION PLAN**

SCALE	DRAWN BY	CHECKED BY	DATE
1": 100'	KD	HS/HGA	11-17-92

SHEET NO. **D-1**

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 .....25 psf
- drift..... as required by OBBC

EARTHQUAKE..... ZONE 1

GRAVITY DEAD LOADS (weights of materials)
- masonry
  - 12.....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
  - or .....one test per class of concrete per day
  - or ..... as 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
	nominal 8 inch walls
LESS THAN 6'-0"	(2) 3-1/2 x 2-1/2 x 1/4 LLH
6'-0" through 8"-0"	(2) 3-1/2 x 3-1/2 x 3/8
	nominal 12 inch walls
LESS THAN 6'-0"	(3) 3-1/2 x 2-1/2 x 1/4 LLH
6'-0" through 8"-0"	(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.

PAINT SCHEDULE:

STRUCTURAL/ MISCELLANEOUS STEEL		1 COAT METAL PRIMER 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 KEYED 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/UTLILITY REALIGNMENT
MASSILLON PSYCHIATRIC CENTER
PREPARED FOR STATE OF OHIO
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF PUBLIC WORKS

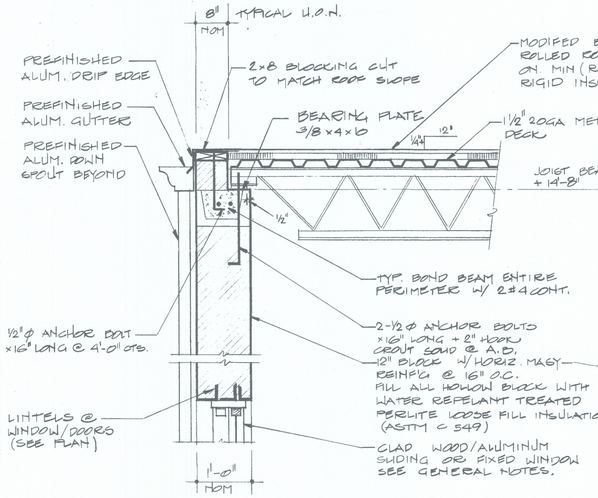
ISSUED DATE	DESCRIPTION

SHEET TITLE
GENERAL NOTES
(SERVICE BUILDING)

SCALE	DRAWN BY	CHECKED BY	DATE
NTS	JF	DRS	1-14-92

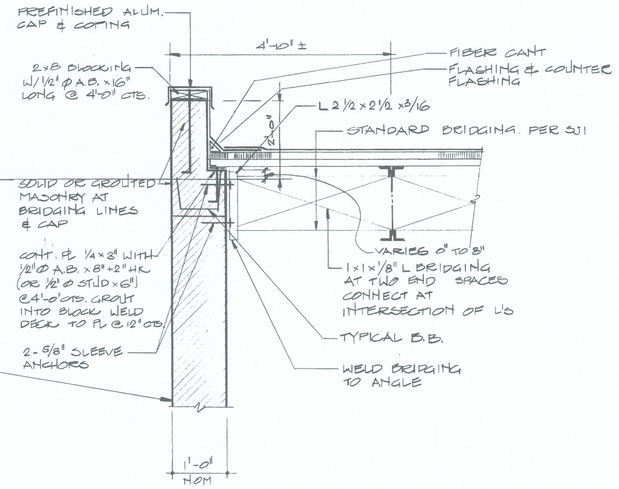
SHEET NO. S-1

PROJECT NO. 580-117-91-107



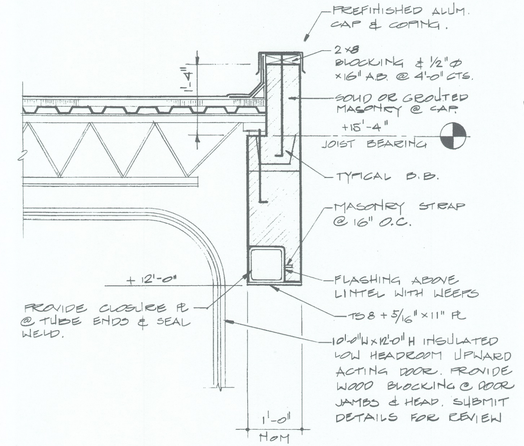
SECTION 1

SCALE 3/4" = 1'-0"



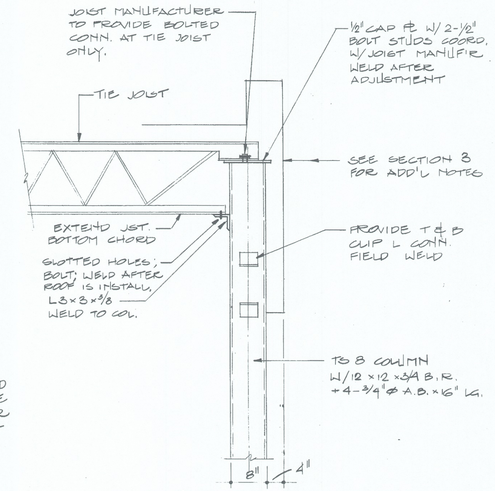
SECTION 2

SCALE 3/4" = 1'-0"



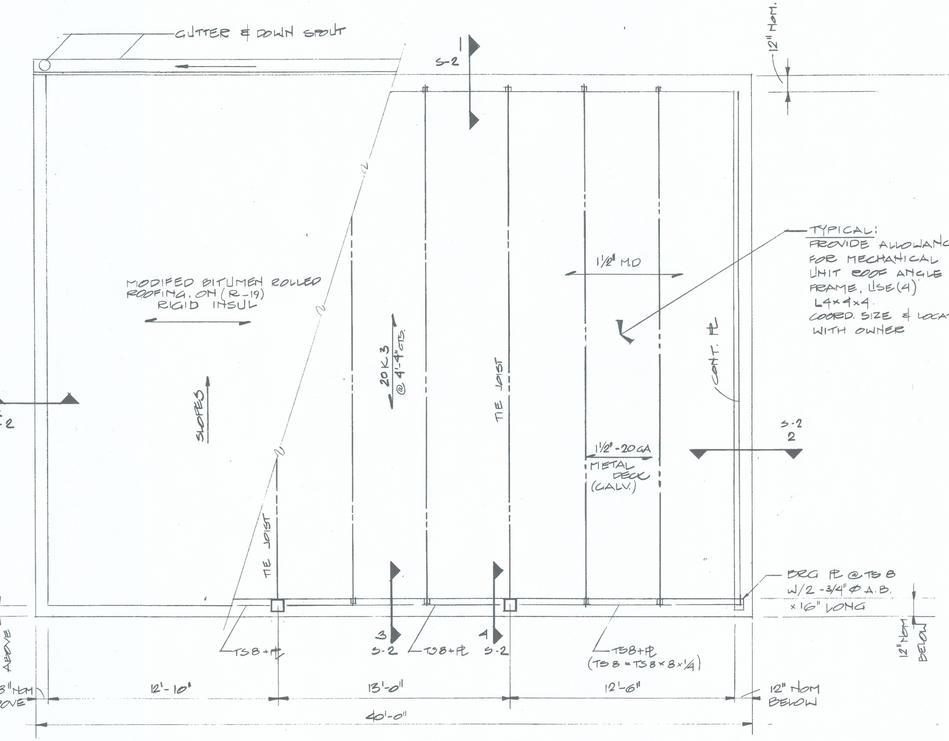
SECTION 3

SCALE 3/4" = 1'-0"



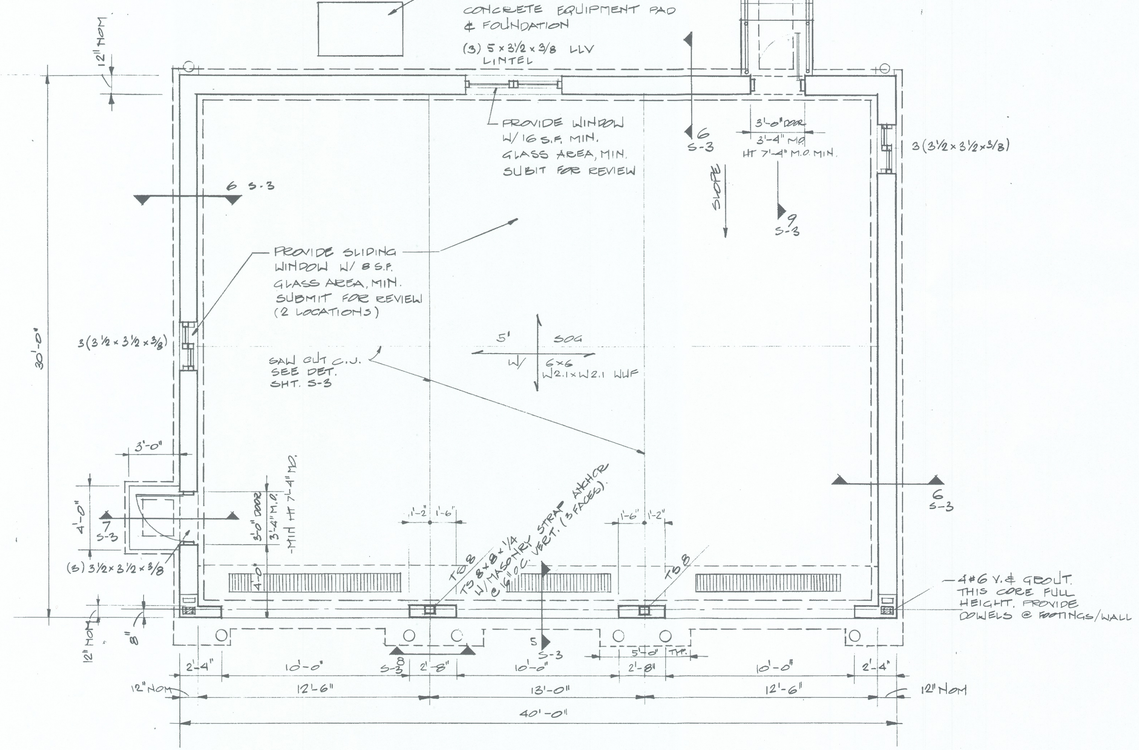
SECTION 4

SCALE 3/4" = 1'-0"



ROOF/ROOF FRAMING PLAN

SCALE 1/4" = 1'-0"



FOUNDATION PLAN

SCALE 1/4" = 1'-0"

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.

POLYTECH, INC.

APPROVALS
DEPT. HEAD
PROJECT MGR.
GROUP HEAD

STATE OF OHIO — NORMAN R. BLISS 34169 — BABU K. PATEL 34034 — REGISTERED PROFESSIONAL ENGINEER

POLYTECH, INC.
ENGINEERS • ARCHITECTS • PLANNERS
CLEVELAND, LITTLE ROCK, ATLANTA, MILWAUKEE, DETROIT, NASHVILLE, HOUSTON, WASHINGTON, D.C., NEW YORK CITY

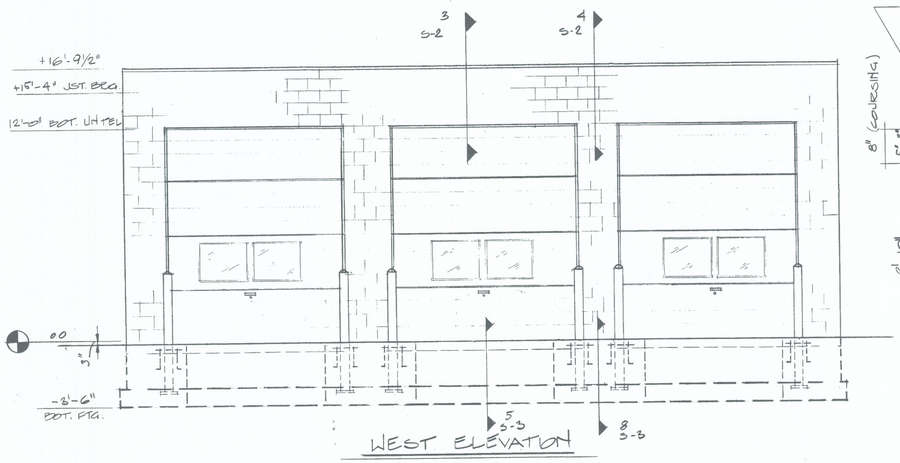
PROJECT TITLE
PROJECT NO. 580-117-91-107
DEMO/UTLILITY REALIGNMENT
MASSILLON PSYCHIATRIC CENTER
PREPARED FOR STATE OF OHIO
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF PUBLIC WORKS

ISSUED DATE	DESCRIPTION

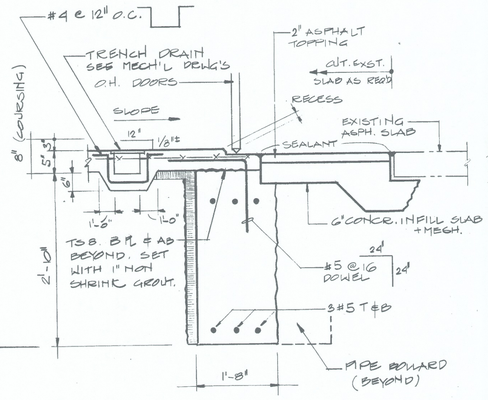
SHEET TITLE
PLANS & DETAILS
(SERVICE BUILDING)

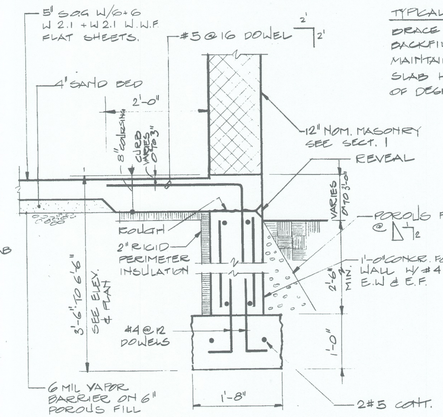
SCALE	DRAWN BY	CHECKED BY	DATE
1/4": 1'-0"	JF	DRS	11-16-92

SHEET NO. **S-2**
PROJECT NO. 580-117-91-107

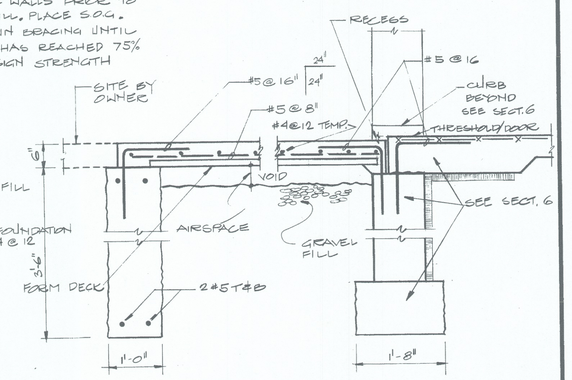


WEST ELEVATION

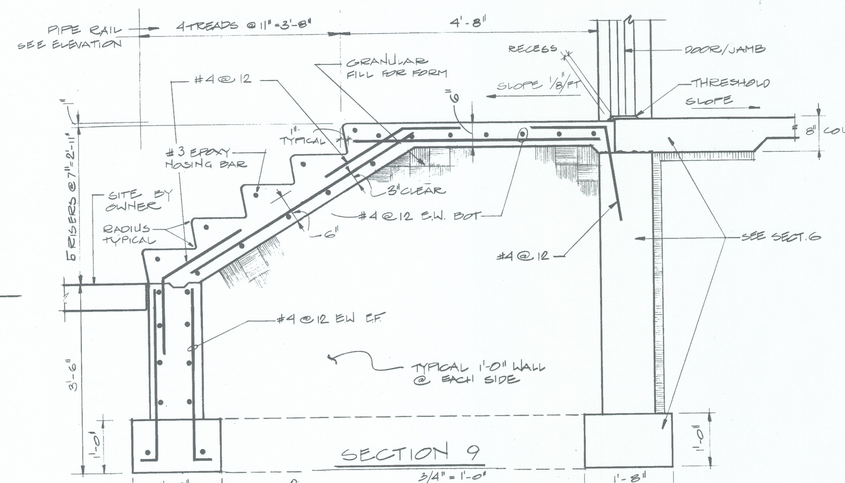




TYPICAL:
BRACE WALLS PRIOR TO BACKFILL. PLACE SOG. MAINTAIN BRACING UNTIL SLAB HAS REACHED 75% OF DESIGN STRENGTH



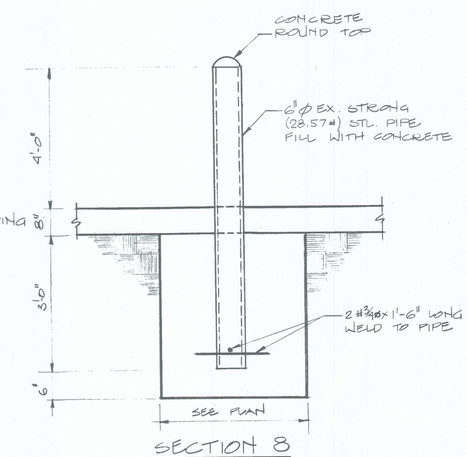
SECTION 5
SCALE 3/4"=1'-0"



SECTION 6
SCALE 3/4"=1'-0"

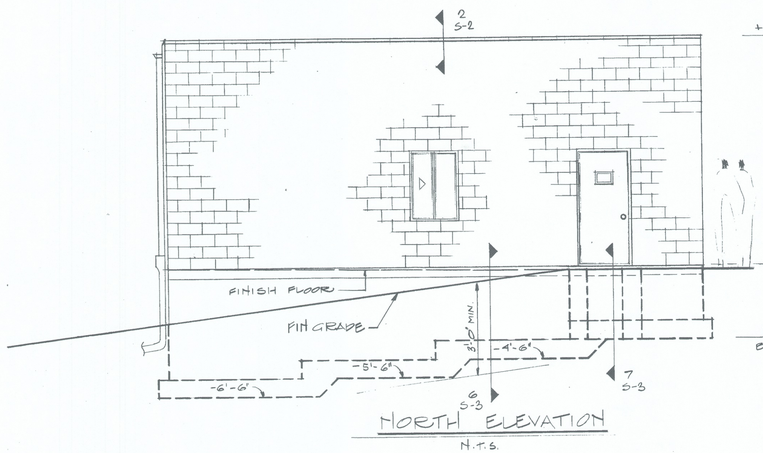
SECTION 9
3/4" = 1'-0"

SECTION 7
SCALE 3/4"=1'-0"

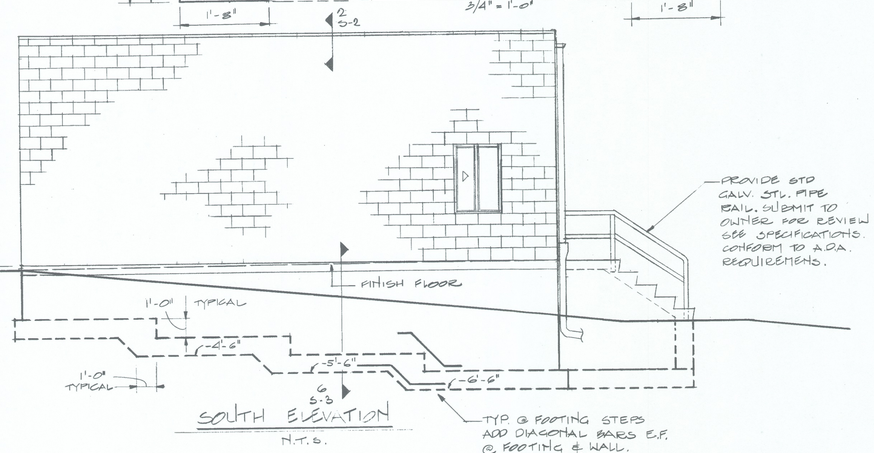


SECTION 8
NTS

EAST ELEVATION
N.T.S.



NORTH ELEVATION
N.T.S.

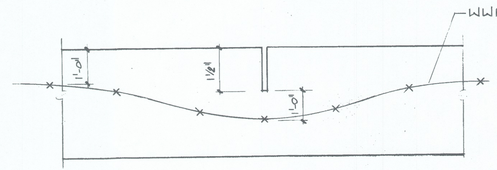


SOUTH ELEVATION
N.T.S.

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.



TYPICAL SAWCUT DETAIL
N.T.S

POLYTECH, INC.

APPROVALS
DEPT. HEAD
PROJECT MGR.
GROUP HEAD

STATE OF OHIO
NORMAN R. BLISS 34169
BABU V.C. PATEL 34034
REGISTERED PROFESSIONAL ENGINEER

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/UTLILITY 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	DRAWN BY	CHECKED BY	DATE
3/4": 1'-0"	JF	DRS	11-16-92

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

LEGEND

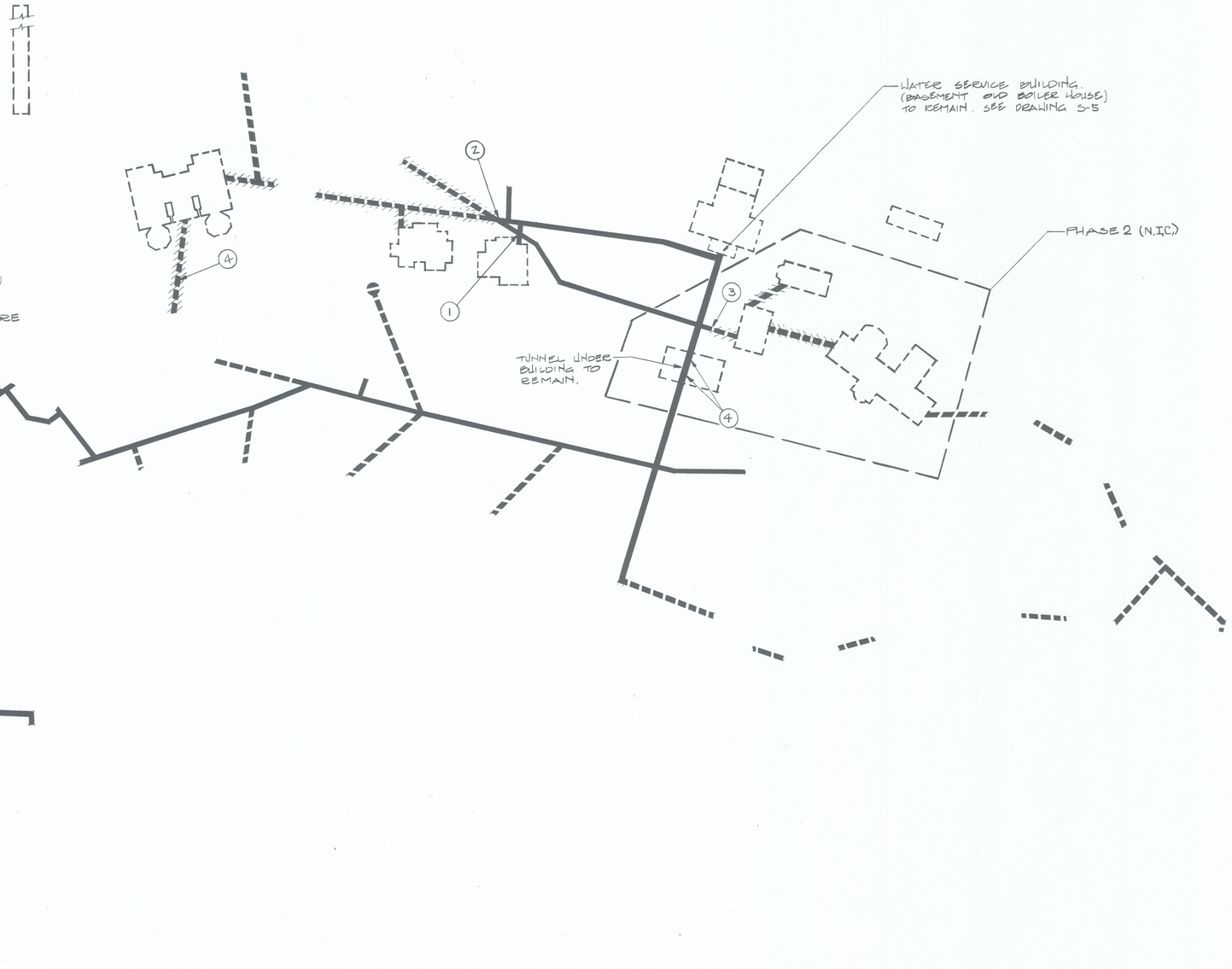
TUNNEL CLOSURE LOCATION (#)

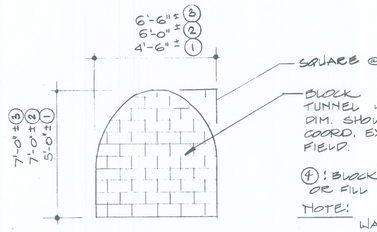
BUILDINGS FOR DEMOLITION — SEE DRWG. # D-1 FOR NOTES

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





(4): BLOCK UP OPENING IN TUNNEL OR FILL OPENING WITH CONCRETE.

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

TYPICAL TUNNEL CLOSURE

APPROVALS

DEPT. HEAD _____ _____

PROJECT MGR. _____ _____

GROUP HEAD _____ _____

STATE OF OHIO — NORMAN R. BLISS 34169 — BABU K. PATEL 34034 — REGISTERED PROFESSIONAL ENGINEER

POLYTECH, INC.

ENGINEERS • ARCHITECTS • PLANNERS

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

PROJECT TITLE

PROJECT NO. 580-117-91-107
DEMO/UTLILITY REALIGNMENT
MASSILLON PSYCHIATRIC CENTER
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DIVISION OF PUBLIC WORKS

ISSUED DATE	DESCRIPTION

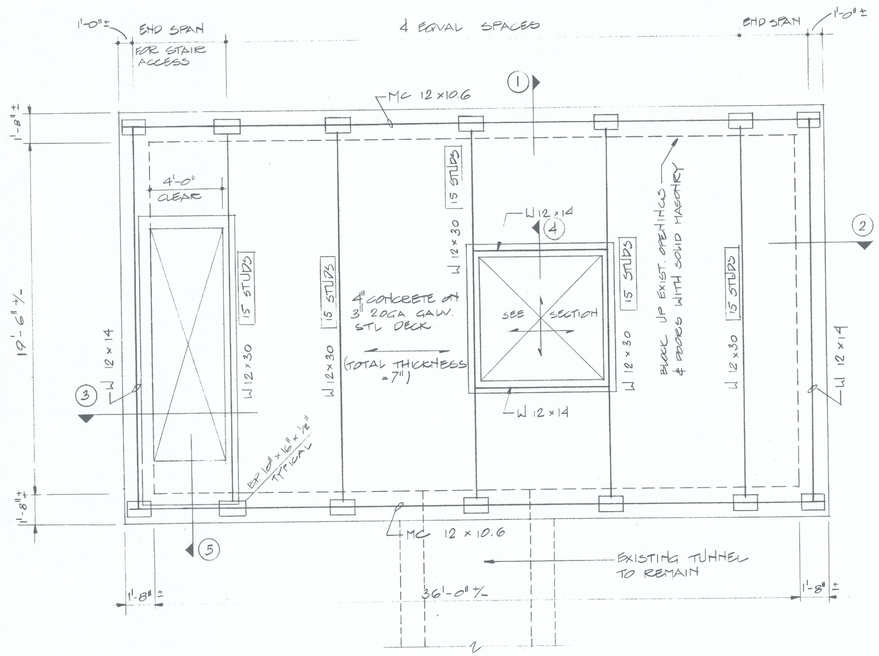
SHEET TITLE: **TUNNEL CLOSURE PLAN**

SCALE	DRAWN BY	CHECKED BY	DATE
1" = 100'	JF	DRS	11-16-92

SHEET NO. **S-4**

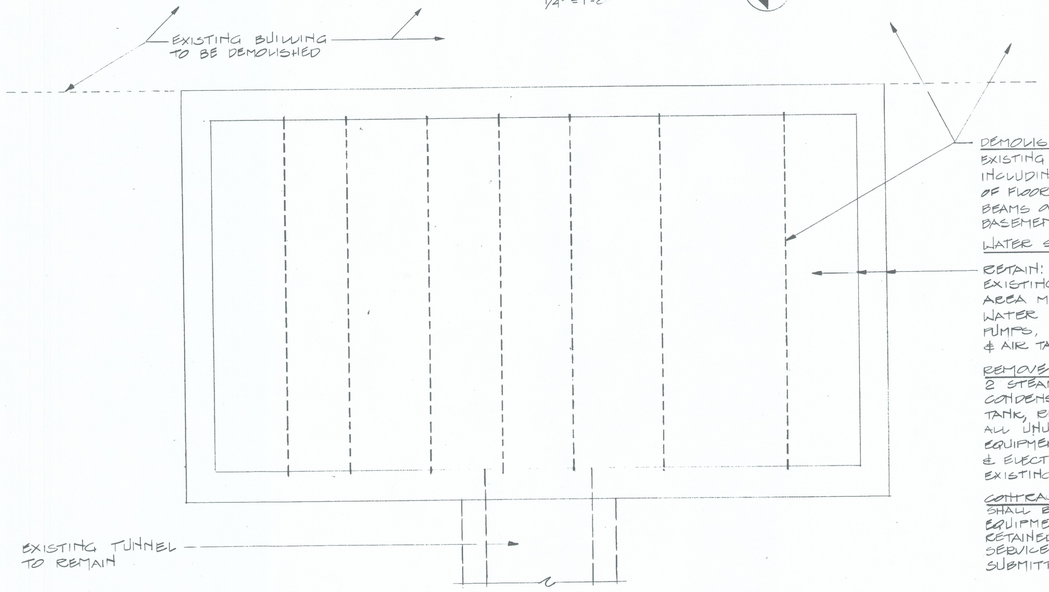
PROJECT NO. 580-117-91-107

POLYTECH, INC.



NEW ROOF @ GRADE FRAMING PLAN

1/4" = 1'-0"



PARTIAL DEMOLITION PLAN

1/4" = 1'-0"

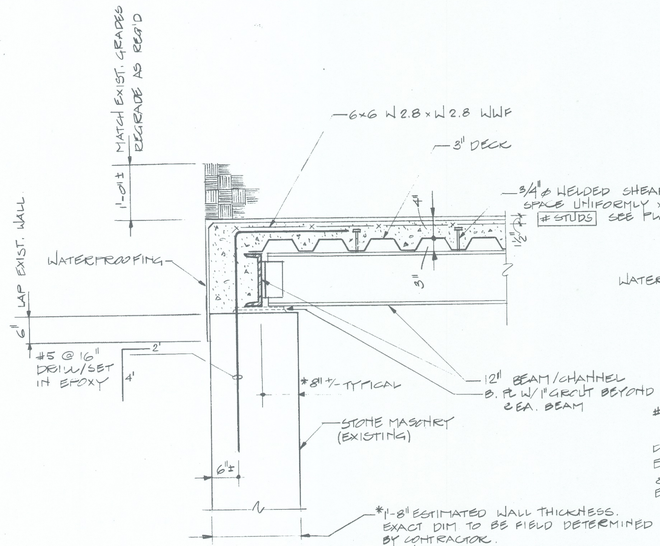
DEMOLISH:
EXISTING BUILDING (SEE ALL CONTRACT DOCUM) INCLUDING REMOVAL OF FLOOR SLAB & BEAMS OVER EXISTING BASEMENT WATER SERVICE AREA.

WATER SERVICE AREA:

RETAIN:
EXISTING WATER SERVICE AREA MASONRY WALLS, WATER MAINS, VALVES PUMPS, STORAGE TANKS, & AIR TANK.

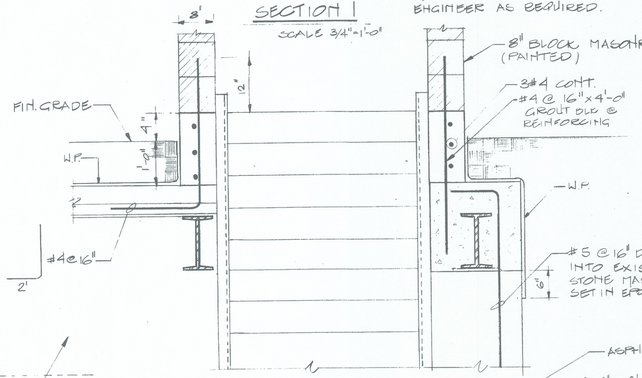
REMOVE:
2 STEAM TURBINES, CONDENSATE RECEIVER TANK, RELATED PIPING & ALL UNUSED OR ABANDONED EQUIPMENT, PIPING, CONDUIT, & ELECTRICAL WIRING, & EXISTING STAIRS

CONTRACTOR:
SHALL BECOME FAMILIAR WITH EQUIPMENT TO BE REMOVED & RETAINED FROM THE WATER SERVICE AREA PRIOR TO BID SUBMITTAL.



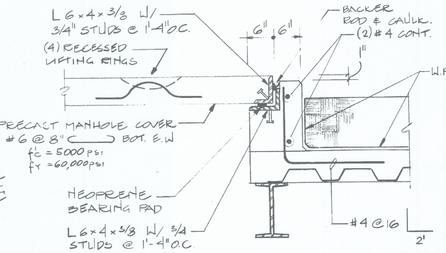
SECTION 1

SCALE 3/4"=1'-0"



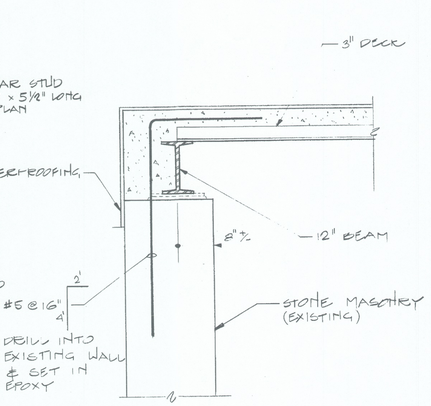
SECTION 2

3/4" = 1'-0"



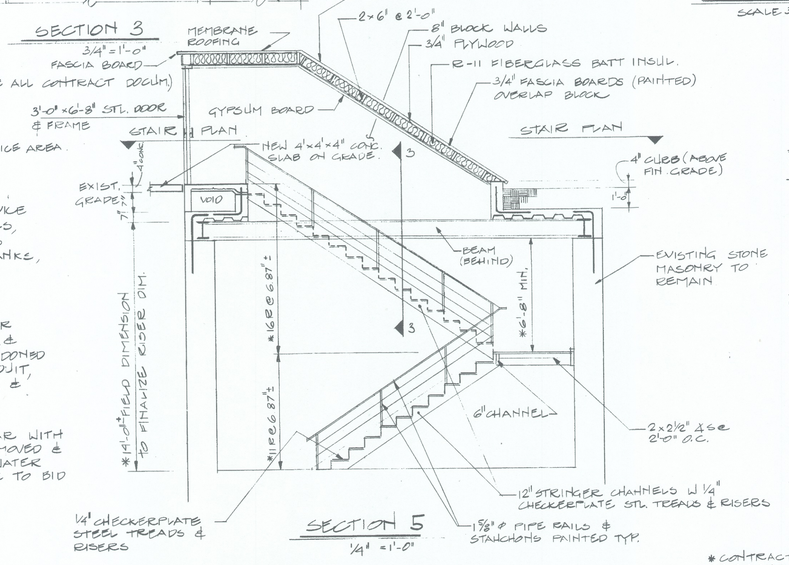
SECTION 4

SCALE 3/4"=1'-0"



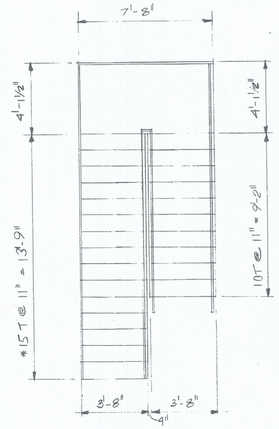
SECTION 3

3/4" = 1'-0"



SECTION 5

1/4" = 1'-0"



STAIR PLAN

1/4" = 1'-0"

STAIR NOTES:

STAIR SUPPLIER SHALL BE RESPONSIBLE FOR ENGINEERING SIZES OF STEEL MEMBERS REQUIRED TO MEET DESIGN LOADS SPECIFIED. WEB REINFORCEMENT FOR "C" CHANNELS, ADDITIONAL MIDDLE STAIR STRINGERS, ETC. MAY BE REQUIRED WHETHER OR NOT SHOWN ON DRAWINGS.

STAIR TREAD, RISERS, NOSING, RAILING EXTENSIONS AND HANDRAILS SHALL COMPLY WITH SECTION 4.9 OF ANSI A-117.1-86.

ALL STAIRWAYS, PLATFORMS, LANDINGS AND EXITS SHALL BE ADEQUATE TO SUPPORT A LIVE LOAD OF 100 PSF AND A CONCENTRATED LOAD OF 300 POUNDS.

HANDRAILS SHALL BE DESIGNED AND CONSTRUCTED FOR A CONCENTRATED LOAD OF 200 POUNDS APPLIED AT ANY POINT AND IN ANY DIRECTION; AND, SHALL ALSO BE DESIGNED AND CONSTRUCTED FOR A UNIFORM LOAD OF 50 POUNDS PER FOOT APPLIED IN ANY DIRECTION.

SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

CONFORM TO ADA REQUIR.

* CONTRACTOR SHALL FIELD DETERMINE FINAL FINISH ELEV. AND SET STAIR RISERS SUBMIT FOR APPROVAL.

APPROVALS
DEPT. HEAD
PROJECT MGR.
GROUP HEAD

STATE OF OHIO * NORMAN R. BLISS 34169 BABU K. PATEL 34034 REGISTERED PROFESSIONAL ENGINEER

POLYTECH, INC.
ENGINEERS • ARCHITECTS • PLANNERS

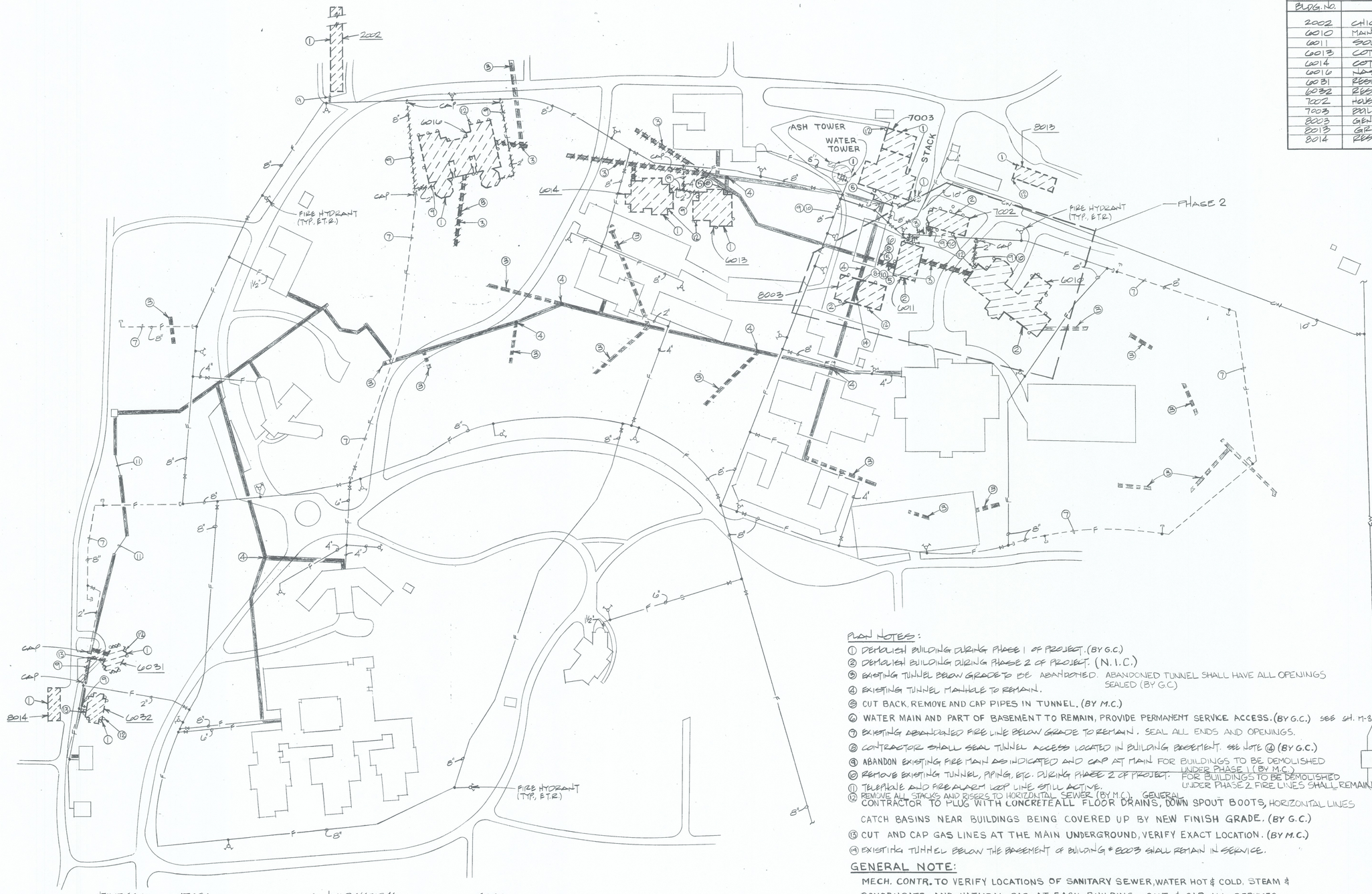
PROJECT TITLE
PROJECT NO. 580-117-91-107
DEMO/UTLILITY REALIGNMENT
MASSILLON PSYCHIATRIC CENTER
PREPARED FOR STATE OF OHIO
DEPARTMENT OF ADMINISTRATIVE SERVICES
DIVISION OF PUBLIC WORKS

ISSUED DATE	DESCRIPTION

SHEET TITLE
WATER SERVICE BUILDING ROOF CONSTRUCTION. (BASEMENT OLD BOILER HOUSE).

SCALE	DRAWN BY	CHECKED BY	DATE
1/4"=1'-0"	JF	DRS	11-7-91

SHEET NO.
S-5
PROJECT NO.
580-117-91-107



BUILDING DEMOLITION SCHEDULE		
BLDG. NO.	BLDG. NAME	PHASE
2002	CHICKEN COOP	1
6010	MAINTENANCE BUILDING (SHERARD)	2
6011	SOUTH	2
6013	COTTAGE 'H'	1
6014	COTTAGE 'G'	1
6016	NASH	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	GROUNDS 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 — F —
- WATER LINE TO REMAIN — CW —
- TUNNELS IN USE
- TUNNELS ABANDONED TO BE DEMOLISHED
- TUNNELS TO REMAIN

PLAN NOTES:

1. DEMOLISH BUILDING DURING PHASE 1 OF PROJECT. (BY G.C.)
2. DEMOLISH BUILDING DURING PHASE 2 OF PROJECT. (N.I.C.)
3. EXISTING TUNNEL BELOW GRADE TO BE ABANDONED. ABANDONED TUNNEL SHALL HAVE ALL OPENINGS SEALED (BY G.C.)
4. EXISTING TUNNEL MANHOLE TO REMAIN.
5. CUT BACK, REMOVE AND CAP PIPES IN TUNNEL. (BY M.C.)
6. WATER MAIN AND PART OF BASEMENT TO REMAIN, PROVIDE PERMANENT SERVICE ACCESS. (BY G.C.) SEE SH. M-3 FOR ADDITIONAL DEMOLITION
7. EXISTING ABANDONED FIRE LINE BELOW GRADE TO REMAIN. SEAL ALL ENDS AND OPENINGS.
8. CONTRACTOR SHALL SEAL TUNNEL ACCESS LOCATED IN BUILDING BASEMENT. SEE NOTE 14 (BY G.C.)
9. ABANDON EXISTING FIRE MAIN AS INDICATED AND CAP AT MAIN FOR BUILDINGS TO BE DEMOLISHED UNDER PHASE 1 (BY M.C.)
10. REMOVE EXISTING TUNNEL, PIPING, ETC. DURING PHASE 2 OF PROJECT. FOR BUILDINGS TO BE DEMOLISHED UNDER PHASE 2 FIRE LINES SHALL REMAIN ACTIVE UNTIL BUILDINGS UNDER PHASE 2 ARE DEMOLISHED.
11. TELEPHONE AND FIRE ALARM LOOP LINE STILL ACTIVE.
12. 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.)
13. CUT AND CAP GAS LINES AT THE MAIN UNDERGROUND, VERIFY EXACT LOCATION. (BY M.C.)
14. 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 564
MASSILLON, OH. 44648
(216) 833-4156

SANITARY/STORM:
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

POLYTECH, INC.

APPROVALS
DEPT. HEAD
PROJECT MGR.
GROUP HEAD

STATE OF OHIO
NORMAN R. BLISS 34169
BABU K. PATEL 34034
REGISTERED PROFESSIONAL ENGINEER

POLYTECH, INC.
ENGINEERS • ARCHITECTS • PLANNERS

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

ISSUED DATE	DESCRIPTION

SHEET TITLE
MECHANICAL DEMOLITION PLAN

SCALE	DRAWN BY	CHECKED BY	DATE
1": 100'	K D	HS/HSA	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	BD	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
		CLG	CEILING
VAV	VARIABLE AIR VOLUME	CONT.	CONTINUATION
AHU	AIR HANDLING UNIT	DIA.	DIAMETER
HV	HEATING AND VENTILATING UNIT	DN	DOWN
		EXST'G	EXISTING
RTU	ROOFTOP AIR CONDITIONING UNIT	FLR	FLOOR
		HORIZ.	HORIZONTAL
OA	OUTSIDE AIR	MTD.	MOUNTED
SA	SUPPLY AIR	OPN'G	OPENING
RA	RETURN AIR	REQ'D	REQUIRED
EA	EXHAUST AIR	RTN	RETURN
ESP	EXTERNAL STATIC PRESSURE	TRANS.	TRANSITION
TSP	TOTAL STATIC PRESSURE	VERT.	VERTICAL
SF	SUPPLY FAN	VIB.	VIBRATION

EXHAUST FAN SCHEDULE

MARK	SERVICE	C.F.M.	SEE DWG. NO.	TYPE	EXT. S.P.	DRIVE	FAN R.P.M.	H.P.	VOLTAGE V	VOLTAGE Φ	VOLTAGE HZ	MANUFACTURER AND MODEL NO.
EF-1	STORAGE GARAGE	1800	M-2	ROOF-MOUNTED	0.375	V-BELT	833	1/3	120	1	60	GREENHECK - GB-160 (90 LBS)
EF-2	CARMON	1800	M-2	CENTRIFUGAL	5"	V-BELT	2208	5	208	3	60	CAR-MON CM20-SL (160 LBS)

VOID

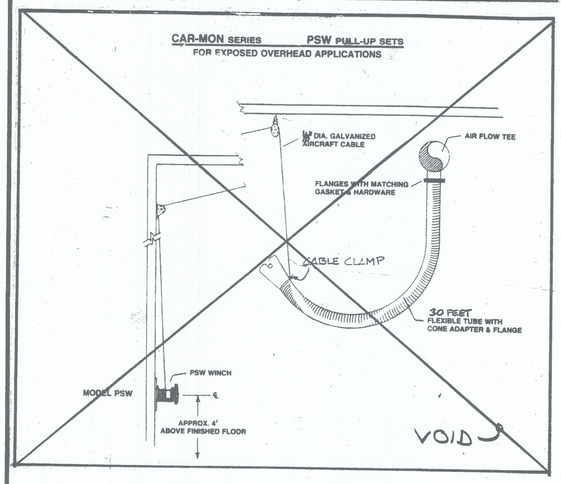
UNIT HEATER SCHEDULE

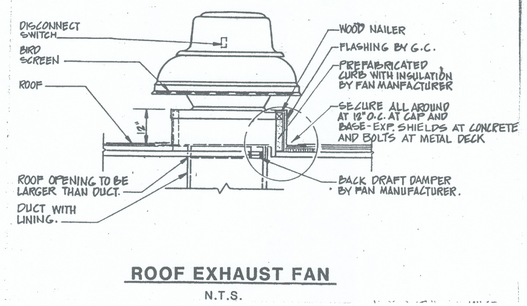
	MARK	AREA SERVICE	DWG. NO.	BTU/H	KW	CFM	FAN DATA HP	FAN DATA NO.	LINE AMP	ELECTRICAL V-Φ-CYC.	MODEL NO.	REMARKS
*	UH-1	STORAGE GARAGE	M-2	38,200	11.2	910	1/20	1	—	208/3/60	MUH-15	93 LBS
*	UH-2	" "	M-2	38,200	11.2	910	1/20	1	—	208/3/60	MUH-15	93 LBS
*	UH-3	" "	M-2	38,200	11.2	910	1/20	1	—	208/3/60	MUH-15	93 LBS

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

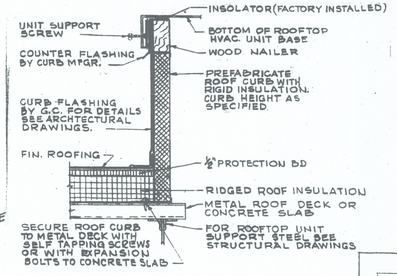
HEATING & VENTILATING UNIT SCHEDULE

MARK	DWG Nº	SERVICE	TYPE	CFM O.A	CFM TOTAL	S.P. TOTAL (IN)	S.P. EXT. (IN)	WHEEL DIAM. (INCHES)	H.P.	HEATING MBH	HEATING KW	HEATING ENT. AIR TEMP(°F)	HEATING LVG. AIR TEMP. (°F)	VOLT/Φ/HZ	REMARKS	MANUFACTURER MODEL
HV-1	M-2	STORAGE GARAGE	ROOF MOUNTED	1800	1800	1.6	1.0	10"	1½	188.6	55.2	0°	97°	208/3/60	4 STEPS FOR HEATING	TRANE / GRSC-015





ROOF EXHAUST FAN
N.T.S.



TYPICAL EQUIPMENT CURB DETAIL
N.T.S.

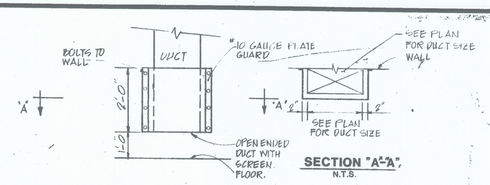
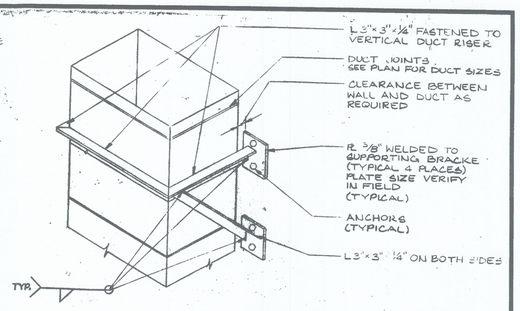
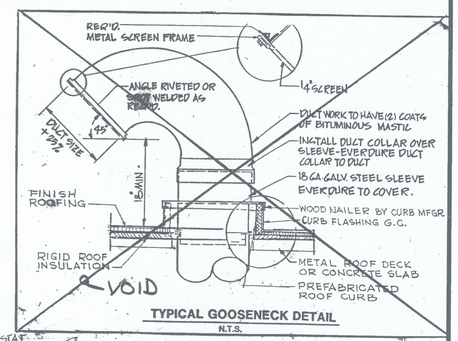


PLATE GUARD DETAIL
N.T.S.

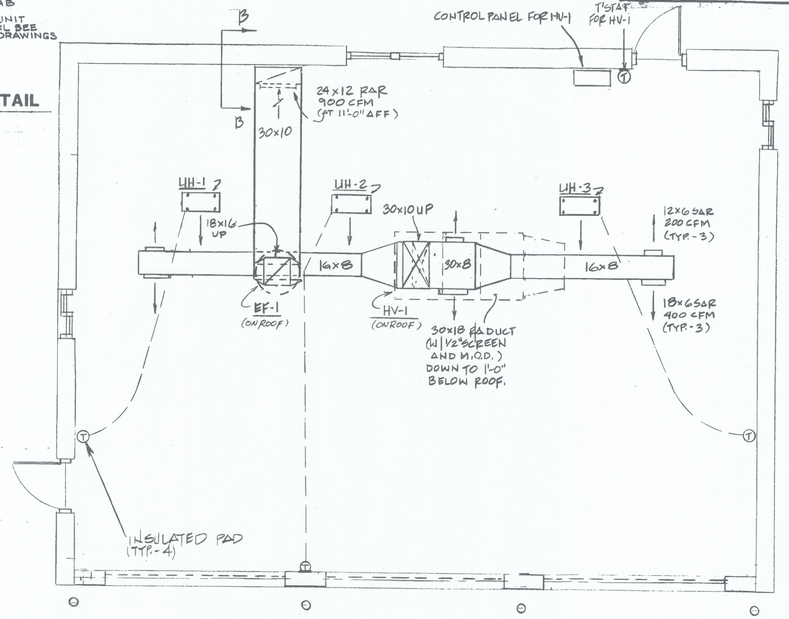
SECTION "A"-"A"
N.T.S.



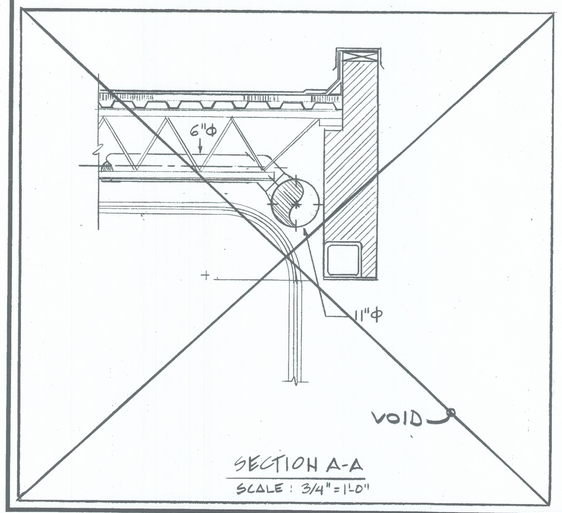
TYPICAL DUCT RISER WALL SUPPORT DETAIL
N.T.S.



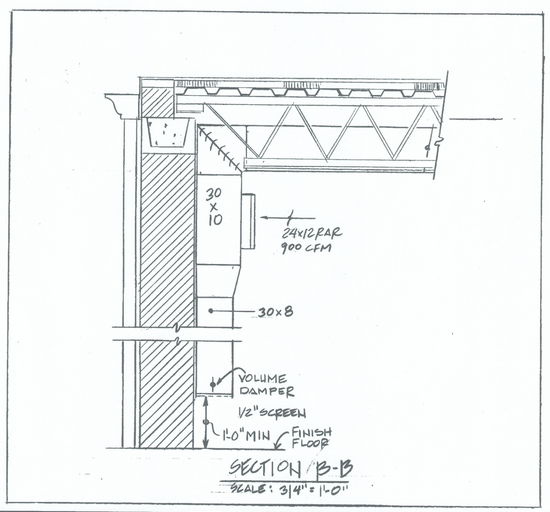
TYPICAL GOOSENECK DETAIL
N.T.S.



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"

POLYTEOH, INC.

APPROVALS
DEPT. HEAD
PROJECT MGR.
GROUP HEAD

STATE OF OHIO — NORMAN R. BLISS 34169 — BABU K. PATEL 34034 — REGISTERED PROFESSIONAL ENGINEER

POLYTEOH, 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

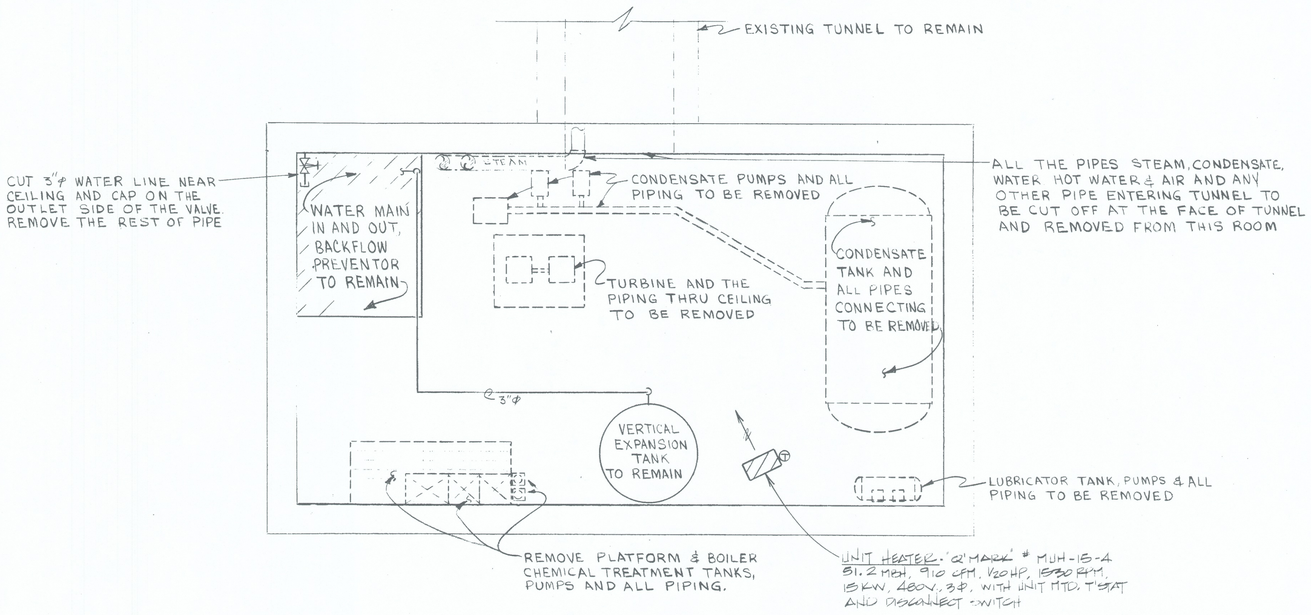
ISSUED DATE	DESCRIPTION

SHEET TITLE: **PLAN/DETAILS/ SCHEDULES** (SERVICE BUILDING)

SCALE	DRAWN BY	CHECKED BY	DATE
SEE DWG	RAMON PARDO	HS/HSA	10/28/92

SHEET NO. **M-2**
PROJECT NO. 580-117-91-107

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



PARTIAL BASEMENT DEMOLITION PLAN (WATER SERVICE BUILDING) → N

SCALE 1/4" = 1'-0"

POLYTECH, INC.

APPROVALS

DEPT. HEAD _____ _____

PROJECT MGR. _____ _____

GROUP HEAD _____ _____

STATE OF OHIO
NORMAN R. BUSS 34169
BABU K. PATEL 34034
REGISTERED PROFESSIONAL ENGINEER

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

MECHANICAL PLAN

WATER SERVICE BUILDING

(BASEMENT OLD BOILER HOUSE)

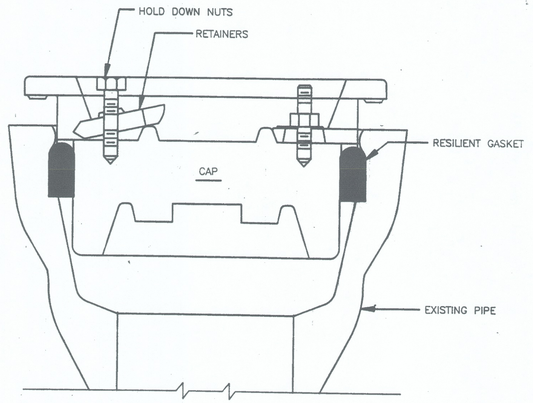
SCALE	DRAWN BY	CHECKED BY	DATE
AS NOTED	RP	HS/HA	11-7-92

SHEET NO.

M-3

PROJECT NO.

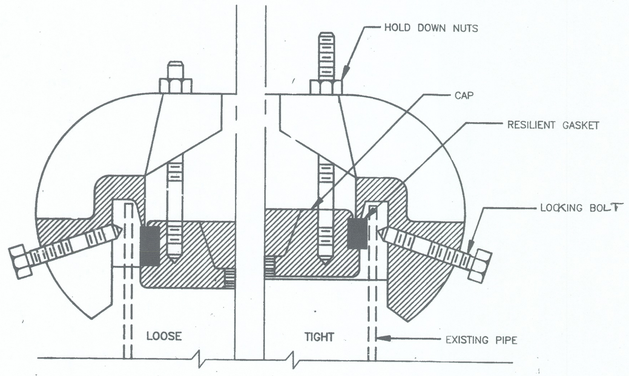
580-117-91-107



1 CAST IRON PIPE CAP FOR BELL END PIPES UNDER PRESSURE

N.T.S.

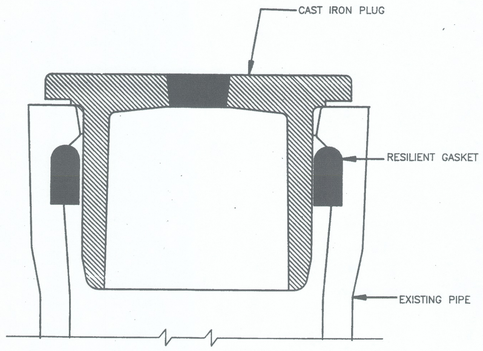
SIMILAR TO CLOW F-1159 OR APPROVED EQUAL



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

N.T.S.

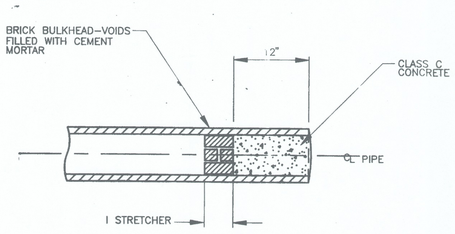
SIMILAR TO CLOW F-1175 OR APPROVED EQUAL



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

POLYTEOH, INC.

APPROVALS

DEPT. HEAD _____ _____

PROJECT MGR. _____ _____

GROUP HEAD _____ _____

STATE OF OHIO
NORMAN R. BUSS
34169
BABU K. PATEL
34034
REGISTERED
PROFESSIONAL ENGINEER

POLYTECH, INC.

ENGINEERS • ARCHITECTS • PLANNERS

PROJECT TITLE

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

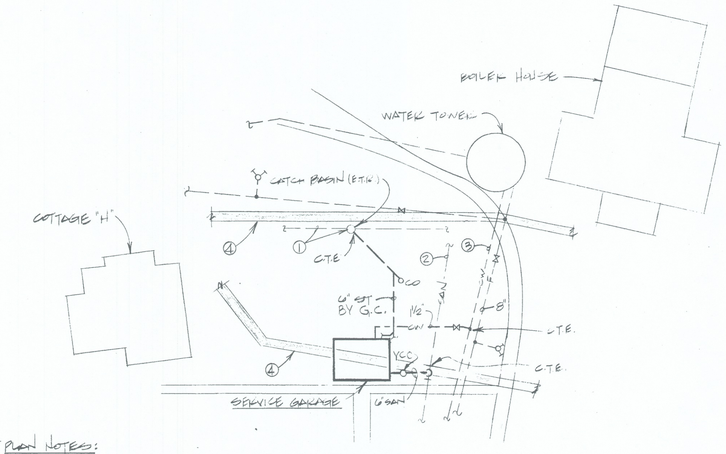
ISSUED DATE	DESCRIPTION

SHEET TITLE: **DETAILS**

SCALE	DRAWN BY	CHECKED BY	DATE
AS NOTED	VC	[illegible]	11/7 [illegible]

SHEET NO. **M-4**

PROJECT NO. 580-117-91-107



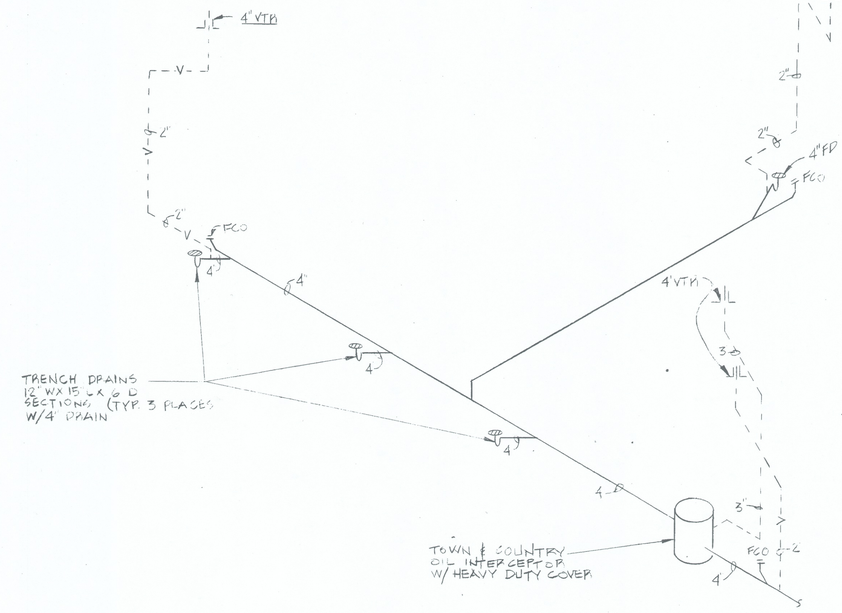
PLAN NOTES:

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

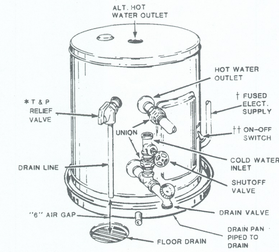
SCALE: 1":50'-0",

N



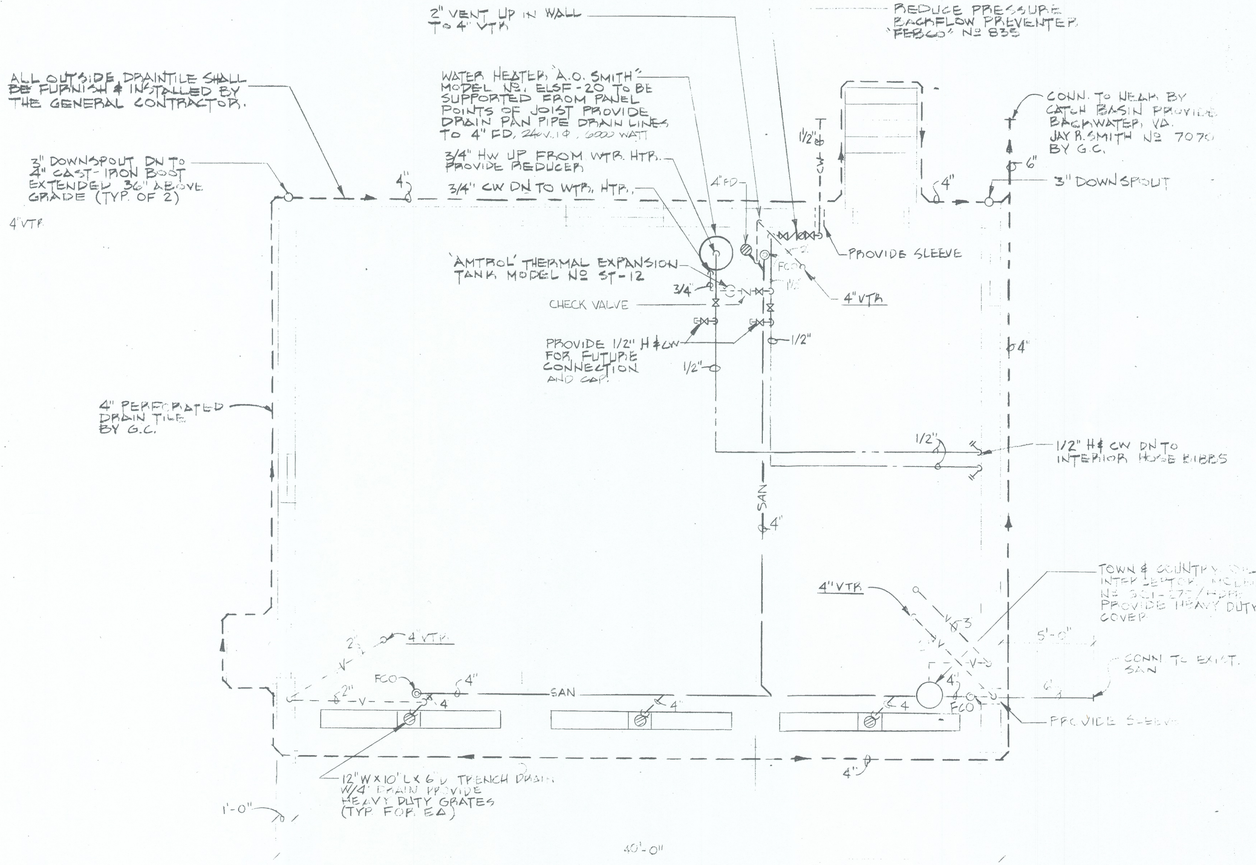
STACK DIAGRAM

SCALE: NONE



WATER HEATER DETAIL

SCALE: NONE



PLUMBING FLOOR PLAN

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

N

POLYTECH, INC.

APPROVALS

DEPT. HEAD _____ _____

PROJECT MGR. _____ _____

GROUP HEAD _____ _____

STATE OF OHIO
NORMAN R. BLISS 34169
BABU K. PATEL 34034
REGISTERED PROFESSIONAL ENGINEER

POLYTECH, INC.

ENGINEERS • ARCHITECTS • PLANNERS

PROJECT TITLE

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

ISSUED DATE	DESCRIPTION

SHEET TITLE

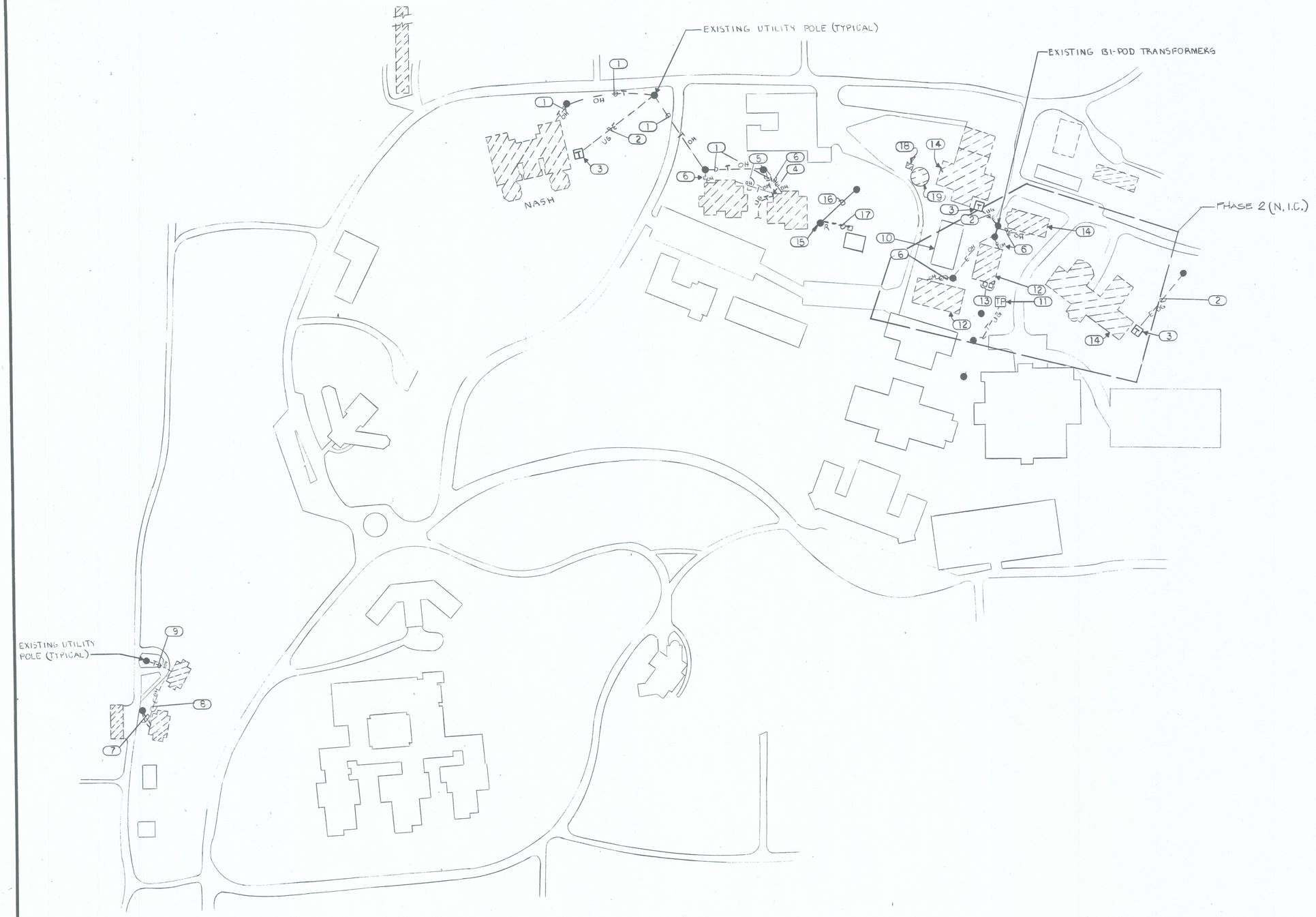
PLUMBING FLOOR PLAN
(SERVICE BUILDING)

SCALE	DRAWN BY	CHECKED BY	DATE
AS NOTED	L.J.	[illegible]	11/7/91

SHEET NO. **P-1**

PROJECT NO. 580-117-91-107

515602



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).

NORTH

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

POLYTECH, INC.

APPROVALS
DEPT. HEAD
PROJECT MGR.
GROUP HEAD

STATE OF OHIO
NORMAN R. BLISS 34169
BABU K. PATEL 34034
REGISTERED PROFESSIONAL ENGINEER

POLYTECH, INC.
ENGINEERS • ARCHITECTS • PLANNERS

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

ISSUED DATE	DESCRIPTION

SHEET TITLE: **ELECTRICAL DEMOLITION PLAN**

SCALE	DRAWN BY	CHECKED BY	DATE
1": 100'	JRB	KZ	11-17-92

SHEET NO.: **E-1**

PROJECT NO.: 580-117-91-107

515602

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 uncircuited 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

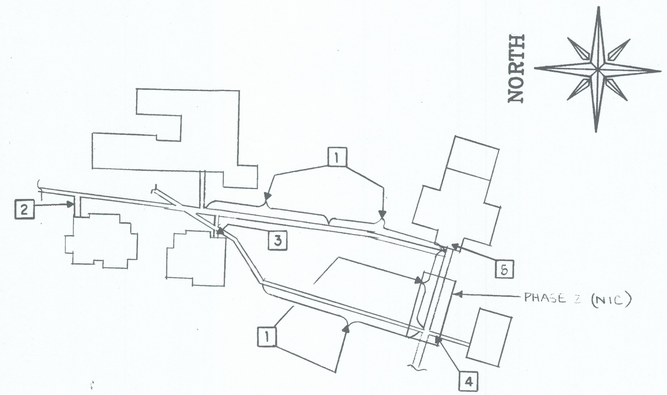
1. ALL NEW WIRING SHALL BE THHN OR THWN FOR POWER & LIGHTING AND SHALL BE IN CONDUIT
2. ALL NEW CONDUIT SHALL BE HOT DIPPED RIGID GALVANIZED STEEL
3. ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE STATE & LOCAL CODES

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.

POLYTECH, INC.

APPROVALS
DEPT. HEAD
PROJECT MGR.
GROUP HEAD

STATE OF OHIO · NORMAN R. BLISS 34189 · BABU K. PATEL 34034 · REGISTERED PROFESSIONAL ENGINEER

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	DRAWN BY	CHECKED BY	DATE
AS NOTED	J.R.B.	K.Z.	11-17-92

SHEET NO. **E-2**

PROJECT NO. 580-117-91-107

515602

LIGHTING FIXTURE SCHEDULE

SYMBOL	WATTAGE LAMP	WATTAGE FIXT.	DESCRIPTION	MANUFACTURER	EQUAL MANUFACTURER
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 RS COLUMBIA #RP240-8
B	40W R.S.	85W	4'-2 LAMP UP/DOWN LUMINAIRE 20 GA. STEEL HOUSING. CLEAR PRISMATIC DIFFUSERS ENERGY SAVING HPF BALLAST 120V	VERSA-TECH #VWB-S-1-2-4-U/D	LIGHTRON #W 3.25 X7-240-18GACRS-.125 POLY LBA-ESB OR ENGINEER APPROVED EQUAL
C	35W H.P.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 WALLIGHTER 70
EM	WITH UNIT	18W	EMERGENCY BATTERY PACK UNIT 2 LIGHT HEADS NEMA 4X PLASTIC HOUSING NICKEL CADMIUM BATTERIES 6V	EMERGI-LITE #KSC18-2	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 OPENNINGS 120V.	APPLETON STYLE-MASTER # VPW-B20756	MIDLAND ROSS #F2189AG 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 90	COLUMBIA SERIES LUN LIGHTOLIER SEALTRON #STD 242
H	9W PL FL	25W	ALUMINUM SQ. SURF. MT. PL. FLUORESCENT NICKEL STAINLESS DOOR 120V.	KIRLIN #83029	FAIL SAFE SERIES FSS LIGHTRON SERIES SD

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

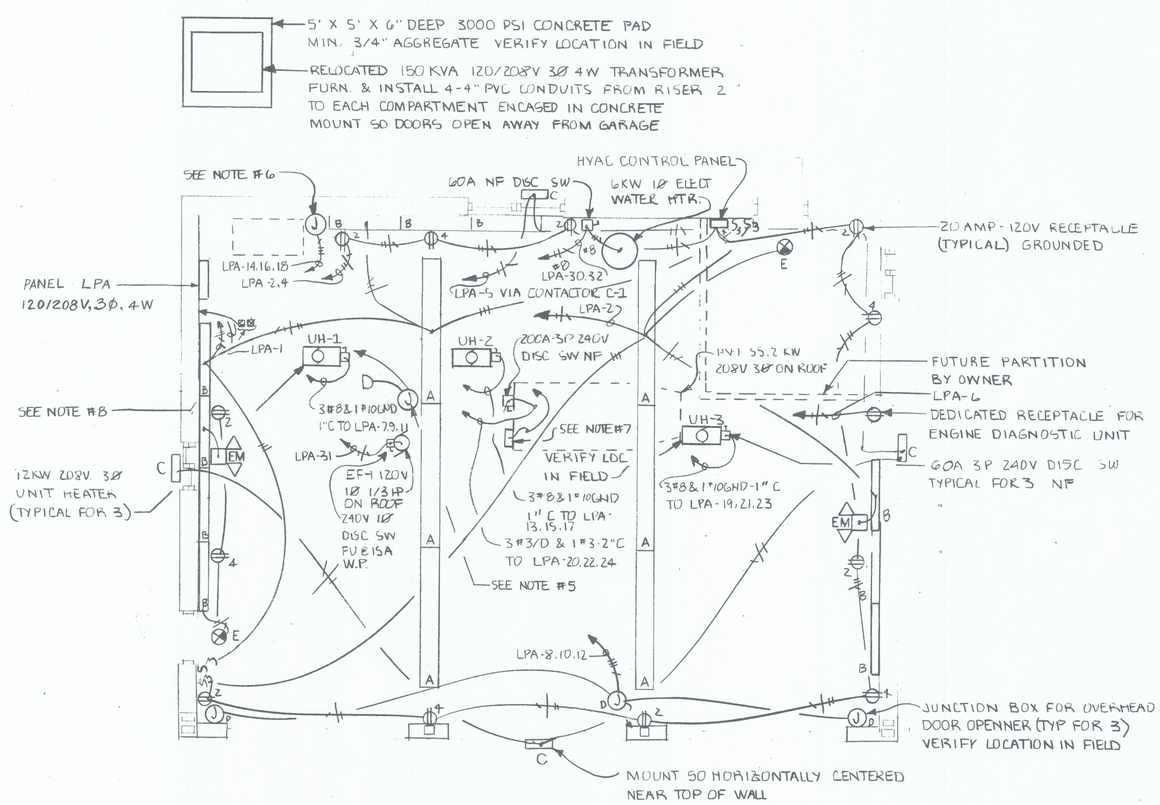
CKT.	DESCRIPTION	BREAKER POLE	BREAKER AMP	AMPERES Ø A	AMPERES Ø B	AMPERES Ø C	CKT.	DESCRIPTION	BREAKER POLE	BREAKER AMP
1	LIGHTING INTERIOR	1	20	10 12			2	RECEPT.	1	20
3					7 10		4			
5	EXTERIOR					5 5	6	FOR DIAG. UNIT		
7			45	33 7			8			
9	UH-1 12 KW	3			33 7		10	DOOR OPENNERS	3	
11						33 7	12			
13			33	8			14			
15	UH-2 12 KW	3			33 8		16	COMPRESSOR 2HP	3	
17						33 8	18			
19			33	153			20			200
21	UH-2 12 KW	3			33 153		22	HV-1 55.2 KW	3	
23						33 153	24			
25			40	- 14			26	HYDRAULIC HOIST 2HP	2	20
27	SPARE	3			- 14		28			
29						- 28	30	ELECT WATER HTR 6 KW	2	40
31	EF-1 1/3 HP	1	20	8 28			32			
33	SPARE						34	SPARE	1	20
35							36			
37							38			
39							40			
41							42			
	TOTALS:			339	298	305				

GFI BREAKERS

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

MAIN LUGS ONLY: — AMP
MAIN BREAKER 400 AMP

-17



WP - WEATHERPROOF
NF - NON FUSED

ELECTRICAL FLOOR PLAN

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

SEE DWG. E-4 FOR NOTES

APPROVALS
DEPT. HEAD
PROJECT MGR.
GROUP HEAD

POLYTECH, INC.

STATE OF OHIO — NORMAN R. BLISS 34169 — BABU K. PATEL 34034 — REGISTERED PROFESSIONAL ENGINEER

POLYTECH, INC.
ENGINEERS • ARCHITECTS • PLANNERS

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

ISSUED DATE	DESCRIPTION

SHEET TITLE
ELECTRICAL FLOOR PLAN/ SCHEDULES (SERVICE BUILDING)

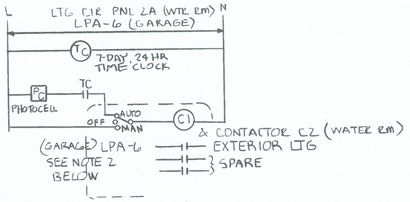
SCALE	DRAWN BY	CHECKED BY	DATE
AS NOTED	JRB	KZ	11-17-92

SHEET NO. E-3

PROJECT NO. 580-117-91-107

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 3Ø COMPRESSOR. VERIFY WITH OWNER AMOUNT OF LEAD WIRE AT JB IN FIELD.
7. FURNISH AND INSTALL WEATHERPROOF RECEPTACLE AND SWITCH AND LUMINAIRE TYPE "F" ON HV-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, 1Ø M1 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.

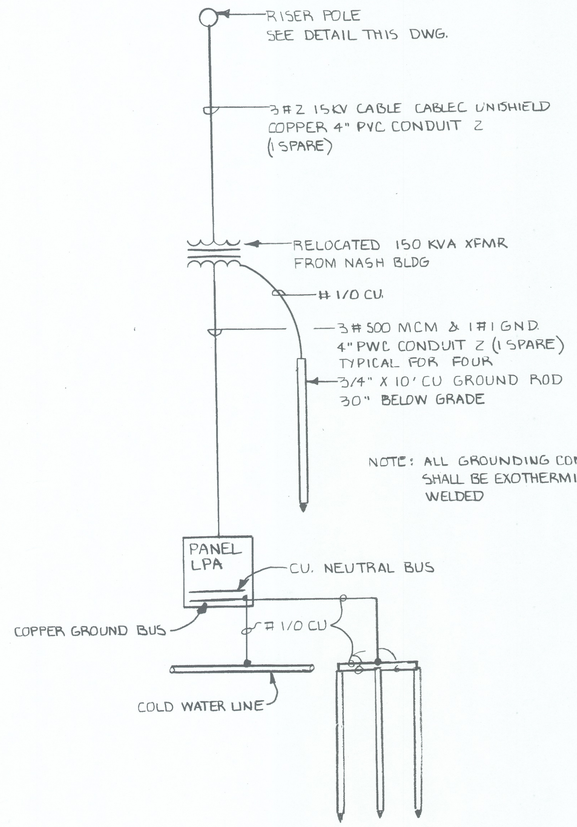


EXTERIOR LIGHTING CONTROL CIRCUIT

SCALE: NOT TO SCALE

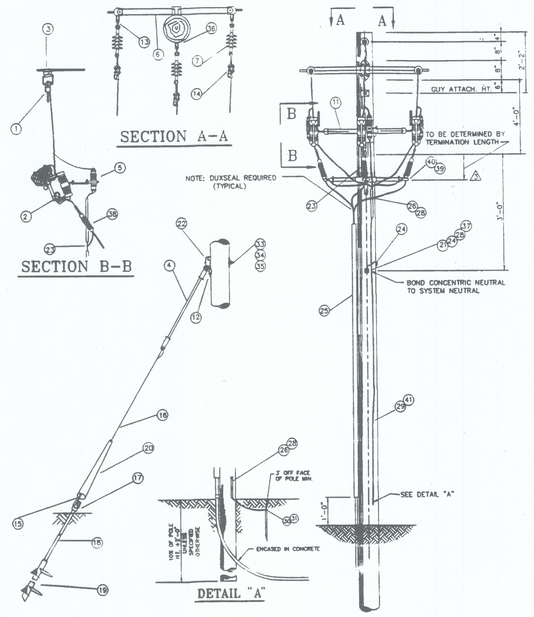
NOTES:

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 SQARE 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	AMPACT BAIL 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	[illegible]	1
7	DEADEND INSUL., PDI-15 TYPE	OR 40101D-0215	3
8	BOLT, 5/8" x LENGTH REQ'D.	JOSLYN J8800 TO J8824	?
9	SQ., CURVED WASHER 11/16 HOLE 3X3X1/4	JOSLYN J113	6
10	WASHER, SPRING FOR 5/8" BOLT	JOSLYN J3540	8
11	FIBERGLASS 3PH. C.O. & ARR. BK'T	FLAGG 7510-736	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 GRIP	PER STRAND SIZE	2 PER GUY
16	GUY STRAND	PER ENGINEER	AS REQ'D.
17	EYENUT FOR 1" ANCHOR ROD, TWINEYE	CHANCE 6562	1 PER ROD
18	ANCHOR ROD 7' X 1"	CHANCE 12334P	AS REQ'D.
19	ANCHOR, SINGLE OR DOUBLE HELIX	[illegible]	1 PER ROD
20	GUY GUARD, PLASTIC 8' YELLOW	JOSLYN J1493Y	1 PER ROD
21	D.E. STRAIN CLAMP, NEUTRAL	PER NEUTRAL SIZE	2
22	GUY HOOK, COMBINATION TYPE	FLAGG P139	1
23	PARALLEL CLAMP	PER CABLE NEUT.	3
24	PARALLEL CLAMP	PER NEUT.& STRAND	1
25	PVC CABLE GUARD	JOSLYN PGU-410	4
26	MOULDING, WOOD	HUGHES 2501.8	3
27	SCREW, LAG NEOPRENE WASHERHEAD	JOSLYN -	40
28	GALV. STAPLES, OVER WOOD MOLDING	HUGHES 25014	24
29	#4 S.D. COPPERWELD		AS REQ'D.
30	GROUND ROD 5/8" X 8', COPPERBONDED	JOSLYN J9158	1
31	GROUND CLAMP FOR 5/8" ROD	JOSLYN J8392	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 J3542	3
35	WASHER SQ. CURVED 3 1/2x3 1/2x5/8, 15/16 HOLE	JOSLYN J6828	3
36	OVALEYE BOLT, 5/8"	JOSLYN J8409-9420	1
37	EYENUT FOR 5/8 BOLT	JOSLYN J1092	1
38	CABLE TERMINATION	PER CABLE SIZE	3
39	CABLE POSITIONER	ALUMOFORM CS-820	3
40	3 PH. C.O. & ARRESTOR BTK.	FLAGG 7510-536	1
41	STAPLE, ROLLED, OVER BARE COPPERWELD	JOSLYN J6487	AS REQ'D.

NOTE: ALL STOCK ITEMS ARE "OR EQUIVALENT" WITH ENGINEER APPROVAL.

* PRIMARY GUYS ONLY
** TRIPLEYE NUT AS REQ'D. BY ENGINEER

RISER POLE DETAIL

SCALE: NOT TO SCALE

POLYTECH, INC.

APPROVALS
DEPT. HEAD
PROJECT MGR.
GROUP HEAD

STATE OF OHIO — NORMAN R. BLISS — 34189 — BABU K. PATEL — 34034 — REGISTERED PROFESSIONAL ENGINEER

POLYTECH, INC.
ENGINEERS • ARCHITECTS • PLANNERS

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

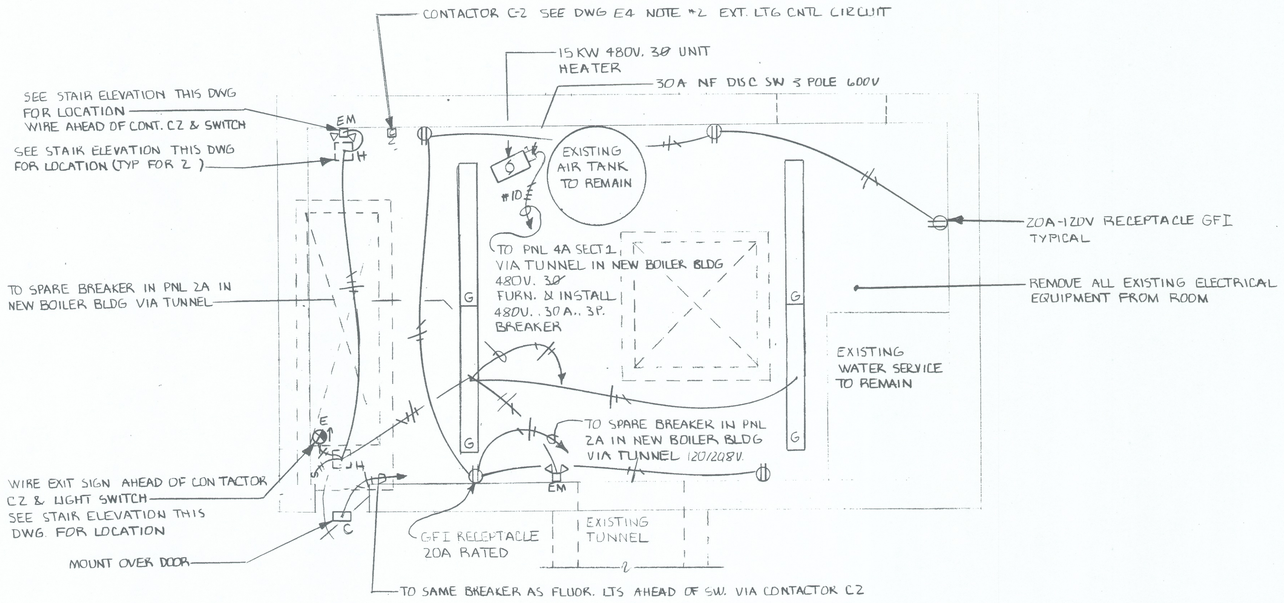
ISSUED DATE	DESCRIPTION

SHEET TITLE
ELECTRICAL DETAILS/ ONE-LINE DIAGRAM

SCALE	DRAWN BY	CHECKED BY	DATE
AS NOTED	JRB	KZ	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"

APPROVALS

DEPT. HEAD _____ _____

PROJECT MGR. _____ _____

GROUP HEAD _____ _____

POLYTECH, INC.

STATE OF OHIO — NORMAN R. BLISS — 34168 — BABU K. PATEL — 34034 — REGISTERED PROFESSIONAL ENGINEER

POLYTECH, INC.

ENGINEERS • ARCHITECTS • PLANNERS

PROJECT TITLE

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

ISSUED DATE	DESCRIPTION

SHEET TITLE

WATER SERVICE BUILDING

ELECTRICAL PLAN

(BASEMENT OLD BOILER HOUSE)

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

SHEET NO. **E-5**

PROJECT NO: 580-117-91-107