

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
99-00013-00-HP	JERSEY	15	1	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 97262				

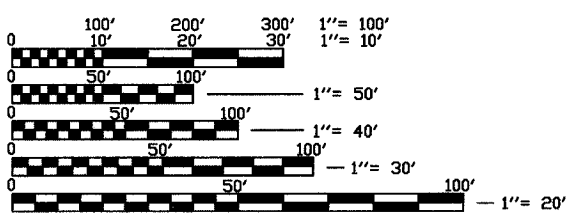
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
PUBLIC RESTROOM
CITY OF GRAFTON
SCENIC BYWAY PROGRAM
SECTION NO. 99-00013-00-HP
PROJECT NO. SB-IL-99-9805(002)
JERSEY COUNTY
C-98-118-99

INDEX OF SHEETS

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5. A1.1 ARCHITECTURAL SITE PLAN
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9. A4.0 EXTERIOR ELEVATIONS
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11. A5.0 ROOF FRAMING PLAN
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STANDARDS

424001-04
702001-05



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ARCHITECTURAL SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

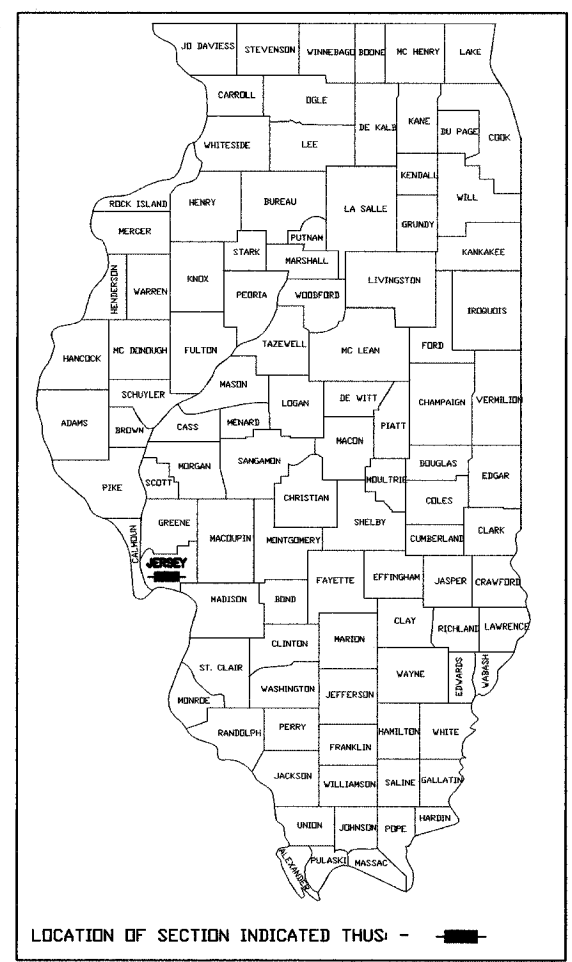
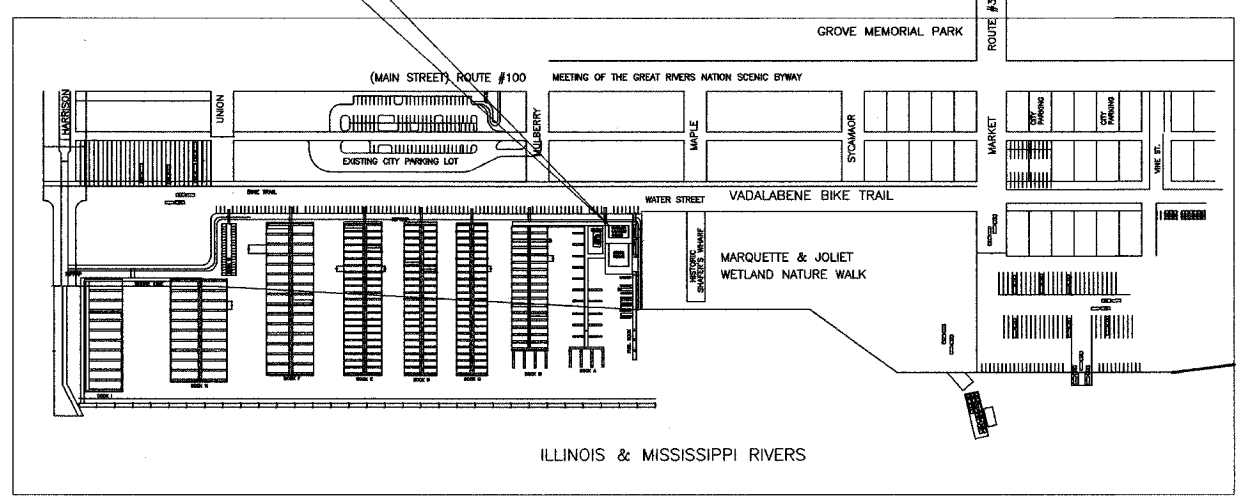
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

DESIGN DESIGNATION
N/A

CONTRACT NO. 97262

PROJECT LOCATION

SCALES
PLAN 1"=20'
PROFILE HORIZ. 1"=20'
PROFILE VERT. 1"=5'
CROSS SECTIONS 1"=10' HORIZ.
1"=5' VERT.



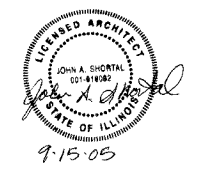
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED SEPT. 20 2005
John R. Mosby
LOCAL AGENCY OFFICIAL

PASSED Sept 26 2005
Denise Oberthur
LOCAL ROADS AND STREETS ENGINEER

APPROVED 9-26 2005
Mary C. Lamie
MARY C. LAMIE, P.E.
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

LOCATION MAP
SCALE: 1" = 750'
GROSS LENGTH OF PROJECT: N/A
NET LENGTH OF PROJECT: N/A



SPECIFICATIONS

BUILDING CODES.
THE LATEST EDITION OF THE GOVERNING BUILDING CODE. (2003 IBC)
REGULATIONS AND ORDINANCES SHALL BE ENFORCED
MISCELLANEOUS INFORMATION
COORDINATE ALL DIMENSIONS TO FEATURES (NOTCHES, RECESSES, PADS, ETC) FOR EQUIPMENT WITH DETAILING SHOP DRAWINGS OF THE APPROPRIATE TRADE.

LOADS
1ST FLOOR.....120 PSF LIVE/LVD 20 DEAD/LD
2ND FLOOR.....100 PSF LIVE/LVD 20 DEAD/LD
ROOF.....20 PSF

DRAFT STOPPING
PER 2003 IBC
STRUCTURAL STEEL
ALL BEAMS, GIRDERS, COLUMNS, PLATES, ANGLES AND MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A36 UNLESS NOTED OTHERWISE.
ALL FIELD BOLTED CONNECTIONS SHALL HAVE 3/4" DIAMETER BOLTS IN ACCORDANCE WITH ASTM A36 UNLESS NOTED OTHERWISE.
ALL WELDING SHALL BE DONE WITH E-1055 ELECTRODES UNLESS NOTED OTHERWISE.

The Architect shall not have control over or charge of and shall not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the construction, since these are solely the responsibility of the contractor.
The Architect shall not be responsible for the Contractor's schedules or failure to carry out the construction in accordance with the Construction Documents.
The Architect shall not have control over or charge of acts or omissions of the Contractor, Subcontractors, or their agents or employees, or of any other persons performing portions of the construction.

FURNISH AND INSTALL ALL SUPPORTS TEMPORARY AND PERMANENT NECESSARY TO BRACE WALLS TO REMAIN AND EXISTING ADJACENT STRUCTURES AND GRADE SO THAT NO HORIZONTAL OR VERTICAL SETTLEMENT OCCURS TO THESE WALL, STRUCTURES, OR GRADES BRACING SHALL BE LEFT IN PLACE.
ALL SOFFITS AND DROPPED CEILINGS SHALL BE FIRESTOPPED AS REQUIRED BY THE LOCAL GOVERNING CODE.
FIRESTOP ALL STUD WALLS AT 8"-0" VERTICALLY
DRYWALL INSTALLATION SHALL BE IN ACCORDANCE WITH THE GYPSUM ASSOCIATION RECOMMENDED PRACTICES FOR THE APPROPRIATE THICKNESS.
NAILING FASTENING AND TAPING FOR THE NOTED STUD SPACING
ALL FRAMING TO BE IN ACCORDANCE WITH THE NATIONAL FOREST PRODUCTS "MANUAL FOR HOUSE FRAMING"
ALL LUMBER SHALL BE GRADE MARKED A MINIMUM OF 1300 F.S. UNLESS NOTED OTHERWISE ON THE DRAWINGS.

ALL BEARING POSTS SHALL RUN (OR SHALL BE BLOCKED) CONTINUOUSLY FROM POINT OF BEARING TO THE TOP OF THE FOUNDATION.
TRUSS DESIGN SHALL BE PROVIDED BY THE TRUSS FABRICATOR

ALL NON-BEARING PARTITIONS SHALL BE 2 X 4 STUDS @ 16" o.c. 600 f.s. UNLESS NOTED OTHERWISE. ALL LOAD BEARING PARTITIONS SHALL BE 2 X 4 @ 16" o.c. 1300 f.s.
SLOPE GRADE AWAY FROM BUILDING AT A MINIMUM OF 1/2" PER FOOT MINIMUM FOR A DISTANCE OF 10'-0" FROM THE FACE OF ANY POINT OF THE STRUCTURE.
ALL HEADERS SHALL BE (2) 2 X 12'S OF 1300 F.S. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
ALL EXHAUST FANS SHALL BE VENTED TO THE EXTERIOR

PRIOR TO BEGINNING WORK THE GENERAL CONTRACTOR SHALL REVIEW ALL ELEVATIONS, RESTRICTIONS, AND SITE CONDITIONS AT THE JOB SITE AND SHALL NOTIFY THE ARCHITECT OF ANY DRAWING ERRORS OR INCONSISTENCIES.
DO NOT SCALE DRAWINGS.
ALL FIRE RATED DRYWALL ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS OF THE UL OR FM APPROVED TEST ASSEMBLY.

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS.
ALL CONTRACTORS SHALL VERIFY AND SHALL BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS OF THE JOB AND THE ARCHITECT AND/OR DEVELOPER MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS BEFORE COMMENCING WITH ANY DEMOLITION AND/OR CONSTRUCTION.
SHOP DETAILS MUST BE SUBMITTED TO THE ARCHITECT AND/OR DEVELOPER FOR APPROVAL PRIOR TO PROCEEDING WITH ANY FABRICATIONS.
ALL EXPOSED MATERIALS FOR PORCHES, SOFFITS, OVERHANGS, ETC. SHALL BE OF APPROVED EXTERIOR MATERIALS.
CALLING AND SEALANTS: EXTERIOR JOINTS AROUND WINDOWS, DOOR FRAMES, BETWEEN CAVITY WALLS AND WINDOW AND/OR DOOR FRAMES, BETWEEN WALL PANELS, AT PENETRATIONS OF UTILITY SERVICES THROUGH WALLS, FLOORS, AND ROOFS, AND ALL OTHER OPENINGS IN THE EXTERIOR ENVELOPE.
ALL SMOKE DETECTORS SHALL BE A.C. POWERED, U.I. APPROVED, AND INSTALLED PER NFPA 74-1975.
ALL HVAC EQUIPMENT AND DUCTWORK SHALL COMPLY WITH THE LATEST APPLICABLE BOCA BASIC MECHANICAL CODE.
THERMOSTATS SHALL BE CAPABLE OF BEING SET FROM 55 DEGREES TO 85 DEGREES FAHRENHEIT AND SHALL BE CAPABLE OF OPERATING THE SYSTEMS HEATING AND COOLING SEQUENCES.

THE CONTRACTOR SHALL USE WATER RESISTANT DRYWALL AT ALL WET WALL AREAS.
INTERIOR FINISH MATERIALS SHALL NOT HAVE A FLAME SPREAD RATING EXCEEDING 200. CLASS "c" INTERIOR FINISH.
THE CONTRACTOR SHALL CONSULT WITH THE ARCHITECTURAL, MECHANICAL, DIMENSIONAL REQUIREMENTS OF INSERTS, OPENINGS, SLEEVES AND OTHER PROJECT REQUIREMENTS NOT SHOWN ON THE DRAWINGS.
VENTILATION OF THE ATTIC, ROOF RAFTERS AND/OR CRAWL SPACES SHALL BE DONE IN ACCORDANCE WITH ALL LOCAL GOVERNING CODES, REGULATIONS, CONTRACTOR VIA VENTS WITH FREE AREA EQUALLING 1/150TH OF THE ATTIC AREA, ROOF RAFTERS.
GENERAL TRUSS CONSTRUCTION NOTES:
LOADINGS: L.L. ROOF.....20 PSF
D.L. CEILING WITH ATTIC SPACE.....20 PSF
D.L. WEIGHTS OF INDICATED CONSTRUCTION AT BE BEGINNING OF SPEC.
MAXIMUM SPACING.....24" o.c.
LUMBER: ALL LUMBER SHALL BE NO. 2KD S.Y.P. FOR CHORD MEMBERS. PROVIDE PITCH AS INDICATED ON DRAWINGS
CONNECTOR PLATES SHALL BE DESIGNED PER DESIGNED PER "DESIGN SPECIFICATION FOR LIGHT PLATE CONNECTED WOOD TRUSSES", LATEST EDITION.
SUBMITTALS: STRUCTURAL CALCULATIONS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL OF THE ARCHITECT. ALL TRUSS CALCULATIONS MUST BE SIGNED BY A REGISTERED ENGINEER IN THE STATE THE TRUSSES ARE TO BE ERCTED.
PROVIDE ALL PERMANENT TRUSS BRACING AS REQUIRED IN THE TRUSS DESIGN BY THE TRUSS MANUFACTURER AND IN ADDITION, PROVIDE TEMPORARY BRACING AS INDICATED IN THE TRUSS PLATE INSTITUTE BOOKLET "BRACING WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS. BWT-16"
USE 2x WOOD FRAMING AS REQUIRED TO FORM HIPPS AND VALLEYS NOT SUPPORTED BY TRUSSES.
ROOF FRAMING IS A RECOMMENDATION AND SUGGESTION ONLY. CHANGES ARE SUBJECT TO THE ARCHITECT'S APPROVAL.
ALL BEARING WALLS SHALL HAVE A MINIMUM OF 2 X 4'S AT 16" o.c. OR 2 X 6'S AT 24" o.c. WITH DOUBLE 2x1/8 TOP AND SINGLE 2x1/8 BOTTOM PLATES. BEAMS, JOISTS, AND HEADERS SHALL BE SUPPORTED BY DIRECT BEARING OR JOIST HANGERS. TOE NAILING AND END NAILING SHALL NOT BE PERMITTED.
WOOD PLACED IN DIRECT CONTACT WITH CONCRETE SHALL BE TREATED WOOD (WOHLMANIZED). SUBSTITUTIONS SHALL BE APPROVED BY THE ARCHITECT.

NAILING AND FASTENING SCHEDULE:
REFER TO THE 2003 IBC CODE, AND/OR LOCAL CODES AND REGULATIONS.

CIVIL SPECIFICATIONS

BEFORE BEGINNING WORK IN ANY AREA THE CONTRACTOR SHALL CONTACT ANY COMPANIES MAINTAINING UTILITIES IN THE PROJECT AREA AND REQUEST THEIR ASSISTANCE IN FIELD LOCATING THEIR UTILITIES IN THAT AREA THE CONTRACTOR, HOWEVER, SHALL BE SOLELY RESPONSIBLE FOR THE LOCATION OF THE UTILITIES. THE UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND THE OWNER AND THE ENGINEER DO NOT IMPLY THAT THE INFORMATION IS COMPLETE.

RIGHT-OF-WAY AND EASEMENTS: THE OWNER HAS SECURED THE PROPERTY, RIGHT-OF-WAY AND/OR EASEMENTS NECESSARY FOR THE CONSTRUCTION OF THE WORK. THESE DOCUMENTS ARE ON FILE WITH THE OWNER AND MAY BE REVIEWED BY ALL BIDDERS PRIOR TO THE BID DATE. THE CONTRACTOR SHALL BE FURNISHED COPIES OF THESE DOCUMENTS SO THAT HE MAY CONTAIN HIS CONSTRUCTION ACTIVEST THE PERMISSIBLE AREAS LISTED IN EACH EASEMENT.

THE CONTRACTOR SHALL PREFORM THE WORK IN ACCORDANCE WITH THE PROVISIONS OF THE VARIOUS COUNTY, VILLAGE, TOWNSHIP AND STATE PERMITS.

EQUIPMENT AND PROCEDURES: THE ENGINEER RESERVES THE RIGHT TO REQUIRE A WRITTEN STATEMENT FROM THE MANUFACTURER OF ANY PRODUCTS OR EQUIPMENT THAT THE SPECIFIC PRODUCTS OR EQUIPMENT HAVE BEEN INSPECTED AND TESTED TO CONFORM WITH THE SPECIFICATIONS.

LOCATION OF THE WORK: ALL CONSTRUCTION ACTIVITIES SHALL BE KEPT WITHIN THE PROPERTY PROVIDED BY THE OWNER ANY EASEMENTS SECURED BY THE CONTRACTOR FOR THEIR CONVENIENCE, ARE TO BE CONSIDERED SEPARATE AND NOT RELATED TO THE PROJECT.

OSHA REGULATIONS: ATTENTION IS CALLED TO THE U.S. AND STATE OF ILLINOIS OCCUPATIONAL AND HEALTH ACTS (OSHA) AND TO THE ADMINISTRATIVE REGULATIONS WHICH HAVE BEEN ISSUED AS A RESULT OF THESE LAWS ALL CONSTRUCTION ACTIVEST SHALL BE PREFORMED IN A MANNER WHICH WILL COMPLY WITH THE PROVISIONS OF THE OSHA LAWS AND REGULATIONS. IN THE EVENT OF ANY CONFLICT BETWEEN CONSTRUCTION PROCEDURES PERMITTED BY THE SPECIFICATIONS AND THOSE REQUIRED BY THE FEDERAL AND STATE OSHA LAWS AND REGULATIONS, THE LATTER SHALL PREVAIL. THE COST OF COMPLIANCE WITH OSHA LAWS AND REGULATIONS SHALL BE AN INCIDENTAL EXPENSE IN THE CONTRACT PRICES FOR THE WORK PERFORMED THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE ABOVE REGULATIONS.

MAINTENANCE OF SIGNS, ETC.: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, STORAGE, AND RESETING OF ALL TYPES OF EXISTING TRAFFIC SIGNS AND 1989 BOXES THAT INTERFERE WITH CONSTRUCTION OPERATIONS. UPON THE COMPLETION OF THE WORK, THE SIGNS AND MAIL BOXES SHALL BE RE-ERECTED AT THEIR PERMANENT LOCATIONS.

PLUMBING & MECHANICAL NOTES

1. PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ALL FEES AND PERMITS ASSOCIATED WITH HIS PORTION OF THE WORK.
2. WORK PLANS TO BE CONSIDERED AS DIAGRAMMATIC AND REFLECT A MINIMUM ACCEPTABLE STANDARD. ALL WORK SHALL CONFORM TO ILLINOIS STATE PLUMBING CODE AND ALL LOCAL CODES.
3. FIXTURES TO BE COMPLETE WITH SUPPLY PIPES WITH STOPS, SUPPLIES AND STOPS TO BE CHROME PLATE WHERE EXPOSED TO VIEW.
4. ACCESSIBLE SHUTOFF VALVES TO BE PROVIDED FOR EACH TOILET ROOM AND EXTERIOR WALL HYDRANTS. GENERAL CONTRACTOR TO PROVIDE ACCESS PANELS FOR SHUTOFF VALVES.
5. SOIL, WASTE AND VENT PIPING TO BE SCHEDULE 40 PVC.
6. INTERIOR WATER PIPING TO BE TUPE "L" COPPER WITH LEAD- FREE SOLDER JOINTS. WATER PIPING BELOW GRADE TO BE TYPE "K" COPPER WITH LEAD-FREE SOLDER JOINTS.
7. INSULATE NEW AND EXISTING COLD, HOT WATER AND HOT WATER RETURN PIPING 1/2" FLEXIBLE UNICELLULAR INSULATION. UNDERGROUND COLD WATER PIPING TO BE UNINSULATED.
8. EQUIPMENT, MATERIALS AND WORKMANSHIP TO BE WARRANTED FOR ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE.
9. BACKFILL AROUND UNDERGROUND PIPING WITH SAND. SANITARY LINE IF APPLICABLE.
10. DOMESTIC WATER SUPPLY PIPING TO BE 3/4" MIN. FOR SIZES SEE PLANS AND ISOMETRICS.
11. SANITARY PIPING TO BE 4" MINIMUM. FOR SIZES SEE PLANS AND ISOMETRICS.
12. SUPPLY PIPES BELOW GRADE TRENCHED TO THE DOCK TO BE A MINIMUM OF 18" ABOVE SANITARY PIPE WHERE THE CROSS OR WHERE WITHIN 10' OF EACH OTHER.
13. AIR CHAMBERS OR WATER HAMMER ARRESTERS SHALL BE PROVIDED AT WATER SUPPLY CONNECTIONS TO ALL FIXTURES.
14. VALVES SHALL BE NIBCO, SOLDIER ENDS.
15. PIPING TO BE SUPPORTED AT 8'-0" O.C. MAXIMUM SPACING OR AS NOTED OTHERWISE IN SPECIFICATIONS WHEN MORE STRINGENT. CONNECT TO ROOF/FLOOR STRUCTURE OR WALL ONLY, NOT CEILING.
16. PLUMBING CONTRACTORS TO VERIFY LOCATION AND SIZES OF EXISTING SUPPLY, SANITARY AND STORM LINES BEFORE STARTING WORK.
17. SUPPLY MAIN ABOVE CEILING TO BE INSULATED; SANITARY MAIN TO BE ROUTED BELOW FLOOR.
18. GAS MAIN TO BE ROUTED THROUGH VENTED ATTIC SPACE AND INSTALLED IN SUCH A MANNER SO AS NOT SUBJECT TO POSSIBLE DAMAGE.
18. NOT USED.
20. PLUMBING CONTRACTOR SHALL COORDINATE ALL ASPECTS OF WORK WITH OTHER TRADES PRIOR TO CONSTRUCTION/ INSTALLATION.
21. ALL WALL, FLOOR AND CEILING PATCHING AND MODIFICATIONS TO BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
22. PLUMBING FIXTURES REMOVED AND NOT RELOCATED ARE TO BE CLEANED AND AT THE OWNER'S DISCRETION, TURNED OVER TO THE OWNER FOR FUTURE USE. OWNER TO INSTRUCT PLUMBING CONTRACTOR ON STORAGE LOCATION OF TURNED OVER FIXTURE.
23. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORD AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS NOT KNOWN. VERIFICATIONS OF THE LOCATIONS OF UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR, AS PROVIDED BY J.I.L.L.I.E.
24. TEMPERING VALVES ON ALL LAVATORY AND BREAKROOM HANDSETS. TYP. FOR ADA COMPLIANT.
25. ALL MECHANICAL WORK IN STRICT COMPLIANCE WITH THE 1998 INTERNATIONAL MECHANICAL CODE.

ELECTRICAL SPECIFICATIONS

1. THE SHALL SECURE AND PAY FOR ALL FEES, PERMITS, AND INSPECTIONS REQUIRED FOR HIS PORTION OF THE WORK.
2. ALL ELECTRICAL WORK SHALL CONFORM TO 1996 N.E.C. LOCAL CODES AND ORDINANCES. ALL PRODUCTS SHALL BE U.L. LISTED OR LABELED.
3. ALL RACEWAYS AND FITTINGS SHALL COMPLY WITH ANSI AND NEHS. CONDUITS IN SLAB OR EXPOSED IN DRY INTERIOR LOCATIONS SHALL BE RIGID GALVANIZED STEEL (RGS). MINIMUM SIZE CONDUIT SHALL BE 3/4", UNLESS NOTED.
4. BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER 600 VOLT INSULATION TYPE THHN/THWN, 8 AWG AND LARGER STRANDED CONDUCTOR, SMALLER THAN 8 AWG, SOLID CONDUCTOR ALL CONDUCTORS SHALL BE #12 AWG, UNLESS NOTED.
5. JUNCTION BOXES INSTALLED INDOOR SHALL BE OF GALVANIZED STEEL FOR OUTDOOR AND WET LOCATIONS USE CAST ALUMINUM BOXES WITH NEOPRENE GASKET AND STAINLESS STEEL SCREWS.
6. LUMINAIRES SHALL BE COMPLETE WITH LAMPS, ACCESSORIES, MOUNTING FRAMES, ETC.
7. CIRCUIT BREAKERS SHALL BE OF THE SAME MANUFACTURER AS THE PANELBOARD. THEY SHALL BE QUICK-MAKE, QUICK-BREAK, BOLT-ON, THERMAL MAGNETIC TRIP ELEMENT TYPE BREAKER RATINGS AS INDICATED ON PLANS, AIC RATINGS SHALL BE 10,000 AT 240 VOLT.
8. DISCONNECT SWITCHES SHALL BE MANUFACTURED BY SQUARE D, ITE, WESTINGHOUSE, GENERAL ELECTRIC OR CUTLER HAMMER. SWITCHES SHALL BE HEAVY DUTY, QUIC-MAKE, QUICK-BREAK, LOAD INTERRUPTER ENCLOSED KNIFE SWITCH WITH EXTERNALLY OPERABLE HANDLE INTERLOCKED TO PREVENT OPENING WITH SWITCH IN "ON" POSITION. HANDLE SHALL BE DESIGNED TO ACCOMMODATE CASS R FUSES. FUSES SHALL BE CLASS RK1, DUAL ELEMENT, CURRENT LIMITING, ONE-TIME FUSE, 250 VOLT, AND HAVE AN INTERRUPTING RATING OF 200,000 RMS. FUSES SHALL BE MANUFACTURED BY BUSS, GOULD/ SHAWMUT OR CHALLENGER.
9. PANEL BOARDS SHALL BE MANUFACTURED BY CHALLENGER, GENERAL ELECTRIC, SQUARE D OR WESTINGHOUSE SHALL BE CONSTRUCTED WITH COPPER BUS, EQUIPMENT GROUND BUS BONDED TO BOX, COMPRESSION TYPE MAIN AND NEUTRAL LUGS, TYPED CIRCUIT DIRECTORY REFLECTING FINAL CIRCUITRY. FILLER PLATES FOR UNUSED SPACES AND MOUNTED 6'-2" ABOVE FINISHED FLOOR TO TOP OF TRIM.
10. WALL SWITCHES FOR LIGHTING CIRCUITS AND MOTOR LOADS UNDER 1/2 HP SHALL BE A GENERAL USE SNAP SWITCH WITH TOGGLE HANDLE, RATED 20 AMPERES AND 120-277 VOLTS AC. SWITCHES SHALL BE STANDARD IVORY PLASTIC. RECEPTACLES SHALL HAVE TYPE S-20R CONFIGURATION. GFI RECEPTACLES SHALL BE DUPLEX WITH INTEGRAL GROUND FAULT CURRENT INTERRUPTER RECEPTACLES SHALL BE STANDARD IVORY PLASTIC. SWITCHES AND RECEPTACLES SHALL BE MANUFACTURED BY HUBBELL, LEVITON OR P&S. DEVICE PLATES SHALL BE STANDARD IVORY SMOOTH PLASTIC AND MANUFACTURED BY HUBBELL, SIERRA OR LEVITON. MOUNTING HEIGHTS ARE AS FOLLOWS: LIGHT SWITCH AT 48" AFF, RECEPTACLE AT 18" AFF.
11. SHOP DRAWINGS WILL BE REQUIRED FOR LIGHT FIXTURES, WALL SWITCHES, RECEPTACLES, GFI RECEPTACLE AND DISCONNECT SWITCHES.
12. THIS CONTRACTOR SHALL COMPLETE ALL ELECTRICAL WORK AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY ALTERATIONS.

LOAD EVENLY PROPORTIONED AMONG BRANCH CIRCUITS

Where the load is computed on a volt-amperes-per-square-foot (0.093-sq m) basis, the wiring system up to and including the branch-circuit panelboard(s) shall be provided to serve not less than the calculated load. This load shall be evenly proportioned among multioutlet branch circuits within the panelboard(s). Branch-circuit overcurrent devices and circuits need only be installed to serve the connected load.
8 FLUORESCENT LIGHT FIXTURES PER 20 AMP CIRCUIT. (MAX.)

13. WIRING METHODS

- a) Wiring design, protective methods, and materials shall be in accordance with NEC 1971 (NFPA No. 70-1971), Article 800, Communication Circuits, except that
 - A) open wiring on insulators (Article 320).
 - B) concealed knob-and-tube work (Article 324).
 - C) nonmetallic sheathed cable (Article 366) shall not be used.
 - D) all exposed wiring must be installed in conduit, and
 - E) all concealed wiring must be accessible for inspection and servicing, or installed in conduit, Class 1 and Class 2 remote control, low-energy power, low-voltage power, and signal circuits may be designed, installed and use materials in accordance with Article 725 of the NEC.
- b) All interior wiring shall have a grounded conductor, except as otherwise permitted for fire detection systems under NFPA 72A, special swimming pool systems, and others listed as exceptions in the National Electric Code.

F.A. DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
99-00013-00-4F		JERSEY	15	3
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 97262				

JOHN A. SHORTAL,
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608 POPLAR STREET
JERSEYVILLE, ILLINOIS 62052
(618) 779-2740

CITY OF
GRAFTON

GRAFTON, IL 62037

GRAFTON HARBOR
MARINA PROJECT
RESTROOM BUILDING
215 W. WATER STREET
GRAFTON, IL 62037

DATE: 9/1/05

REVISED: 00/00/00

ISSUED: FOR BID

PROJ. NO.: 40001

DRAWN BY: JaS

SHEET TITLE
GENERAL BUILDING
SPECIFICATION

(3)

A0.0

JOHN A. SHORTAL,
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**CITY OF
GRAFTON**

GRAFTON, IL 62037

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215 W. WATER STREET
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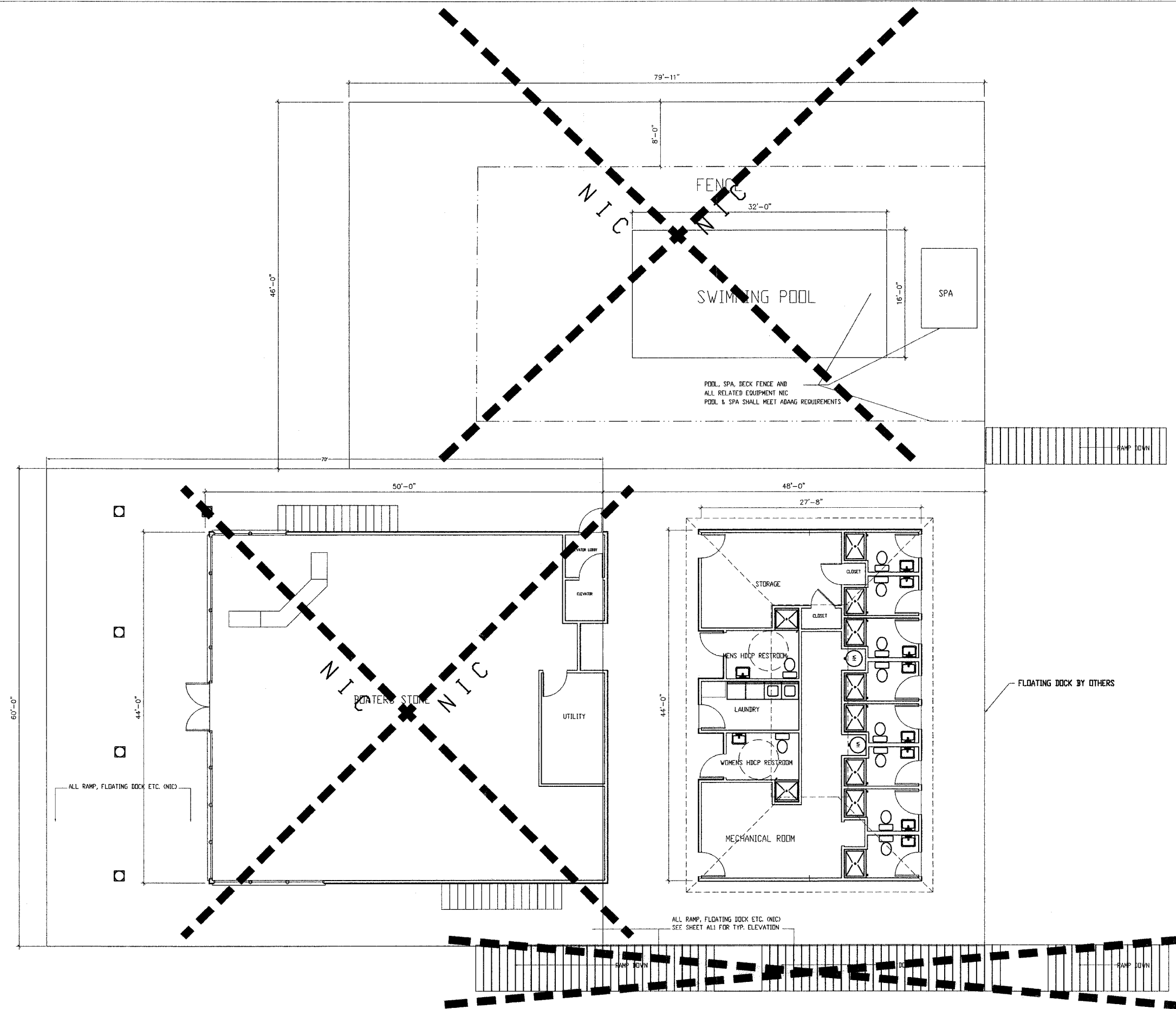
ISSUED: FOR BID

PROJ. NO.: 40001

DRAWN BY: JaS

SHEET TITLE
COMPOSITE SITE
/BUIDING PLAN
WITH DOCKS
(4)

A1.0



① COMPOSITE PLAN

3/16" = 1'-0"



PLAN
NORTH

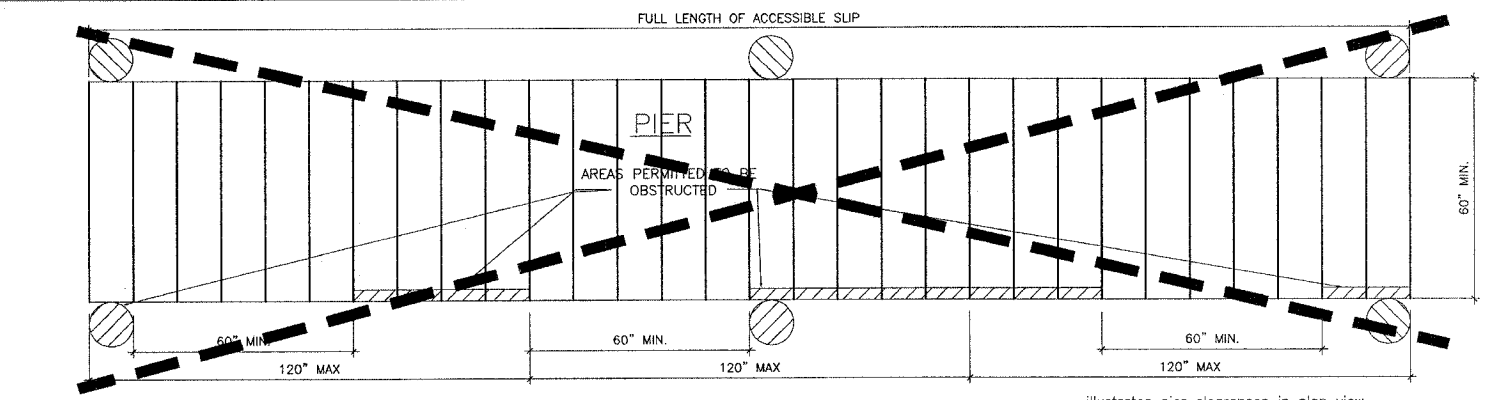
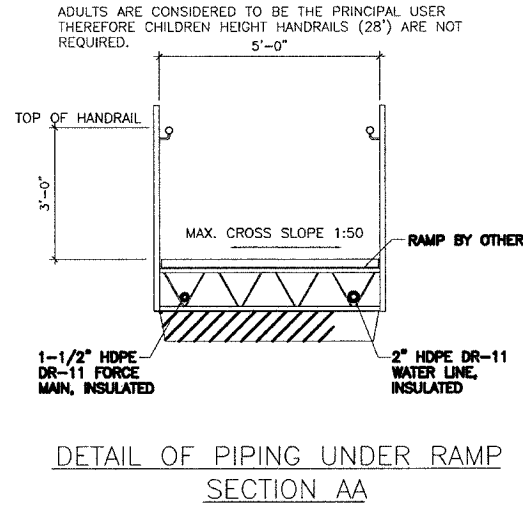
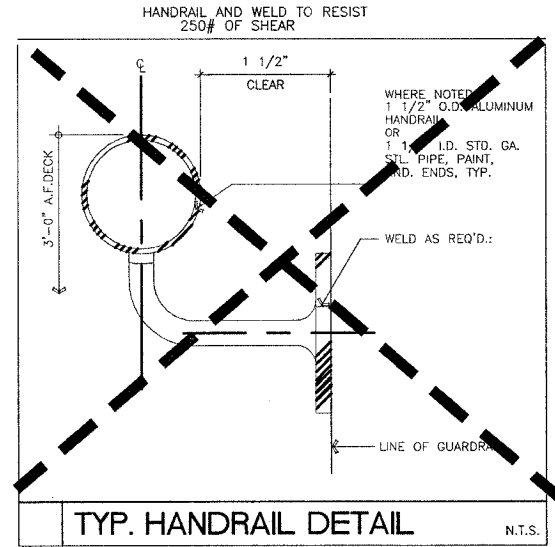
GANGWAY, FLOATING PIER AND DEDICATED BOAT SLIPS PER ADAAG 4.8 MUST BE ADA COMPLIANT AND MUST BE ON AN ACCESSIBLE ROUTE. DESIGN OF GANGWAY BY OTHERS: ENSURE THAT THE SLOPE DOES NOT EXCEED 1:12. RAMP SLOPES BETWEEN 1:16 AND 1:20 ARE PREFERRED. TRANSITION BETWEEN PARKING LOT AND GANGWAY SHALL BE COMPLIANT.

Accessible boat slips are not "reserved" for persons with disabilities in the same manner as accessible vehicle parking spaces. Rather, accessible boat slip use is comparable to accessible hotel rooms. The Department of Justice is responsible for addressing operational issues relating to the use of accessible facilities and elements. The Department of Justice currently advises that hotels should hold accessible rooms for persons with disabilities until all other rooms are filled. At that point, accessible rooms can be open for general use on a first come, first serve basis. It is advised that these boat slips be operated and managed in this same manner.

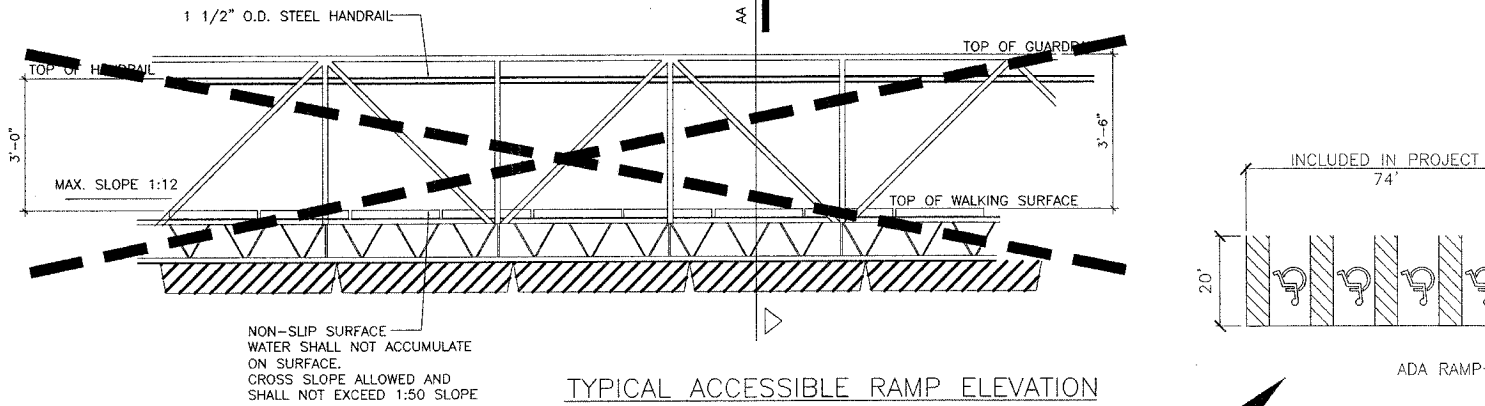
Under ADAAG, an accessible route must serve the last float because it would function as the boarding pier at the lowest water level. Under exception 3 in 15.2.4, each float is not required to comply with ADAAG 4.8, (handrails) but must meet all other requirements in ADAAG 4.3, (accessible route) unless exempted by exception 1 in 15.2.4, (boarding piers). In this example, because the entire chain also functions as a boarding pier, the entire chain must comply with the requirements of 15.2.5 (accessible boat slips), including the 60-inch minimum clear pier width provision.

Accessible boat slips are served by clear pier space 60 inches wide minimum and at least as long as the accessible boat slips. Every 10 feet maximum of linear pier edge serving the accessible boat slips contains at least one continuous clear opening 60 inches minimum wide.

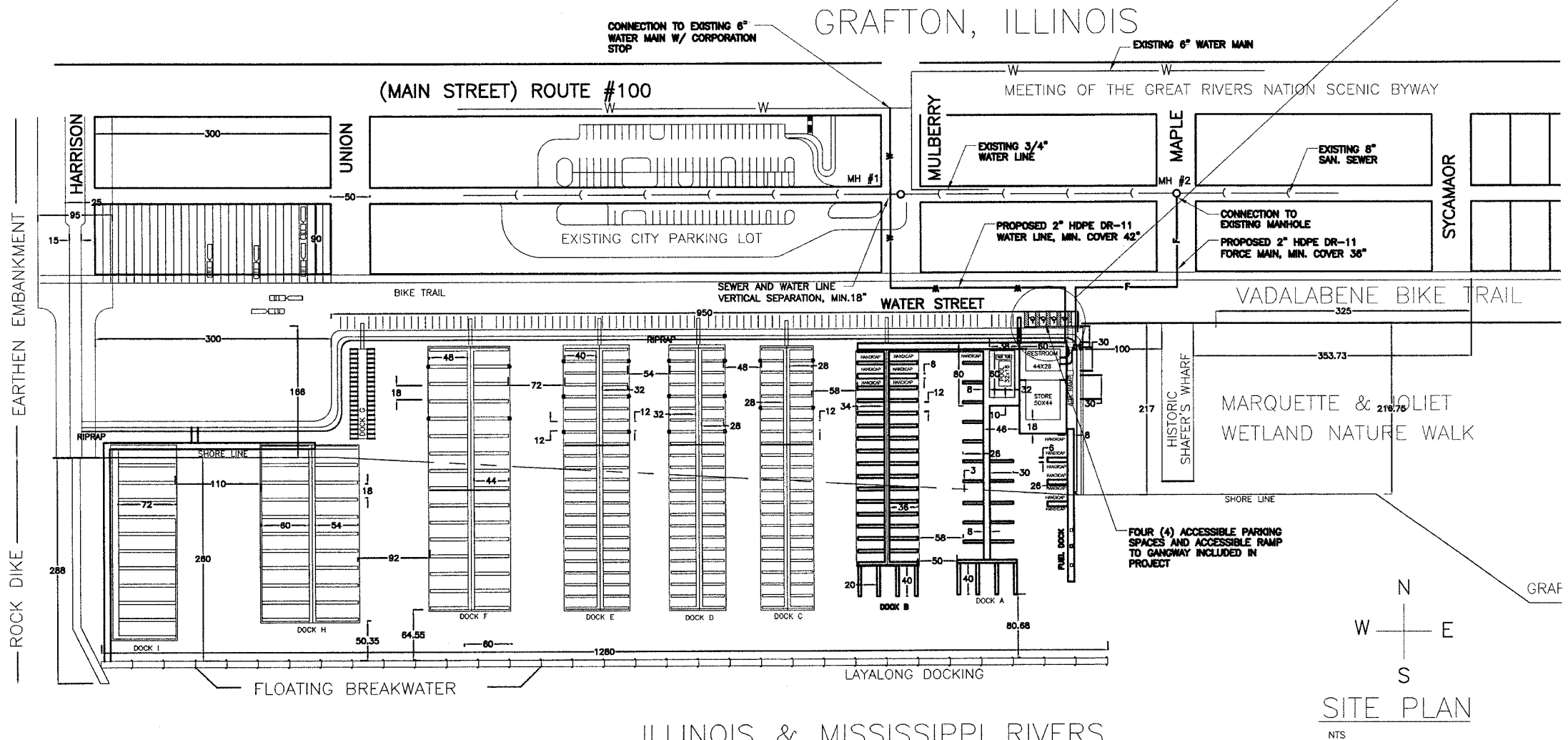
The boat slips are required to be accessible and are provided at a floating pier. The vertical distance an accessible route must travel to the pier when the water is at its lowest level is six feet, although the water level only fluctuates three feet.



illustrates pier clearances in plan view. Accessible boat slips are served by clear pier space 60 inches wide minimum and at least as long as the accessible boat slips. Every 10 feet maximum of linear pier edge serving the accessible boat slips contains at least one continuous clear opening 60 inches minimum wide.



- DOCK 'A' 16 - 35' UNCOVERED
 - DOCK 'B' 32 - 35' UNCOVERED
 - DOCK 'C' 24 - 26' UNCOVERED
 - DOCK 'D' 14 - 24' COVERED
 - DOCK 'E' 14 - 28' COVERED
 - DOCK 'F' 13 - 40' COVERED
 - DOCK 'G' 24 - 48' COVERED
 - DOCK 'H' 18 - 60' COVERED
 - DOCK 'I' 9 - 72' COVERED
- 177
14 ADA COMPLIANT SLIP SPACES



F.A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	99-00013-00-HP	JERSEY	15	5
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 97262				

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CITY OF
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GRAFTON, IL 62037

GRAFTON HARBOR
MARINA PROJECT
RESTROOM BUILDING
215 W. WATER STREET
GRAFTON, IL 62037

DATE:	9/1/05
REVISED:	00/00/00
ISSUED:	FOR BID
PROJ. NO.:	40001
DRAWN BY:	JaS

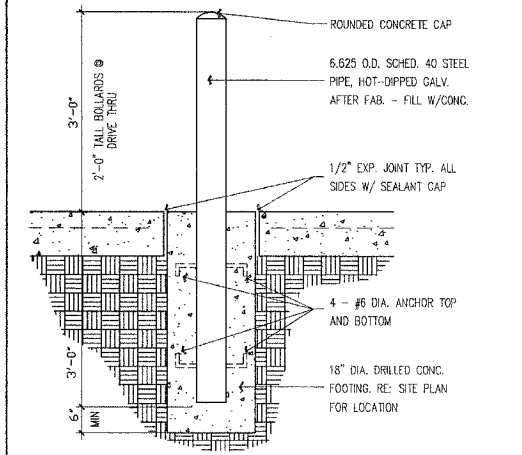
SHEET TITLE
ARCHITECTURAL
SITE PLAN
(5)

A1.1
NTS

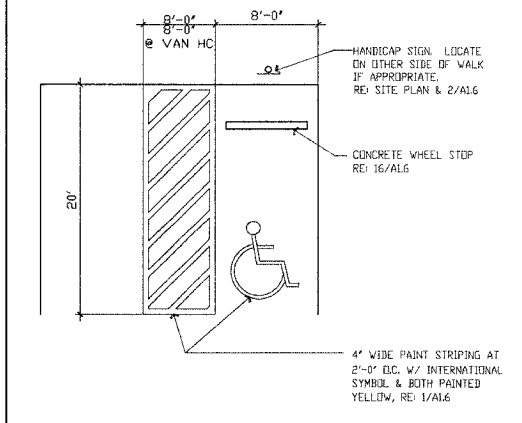
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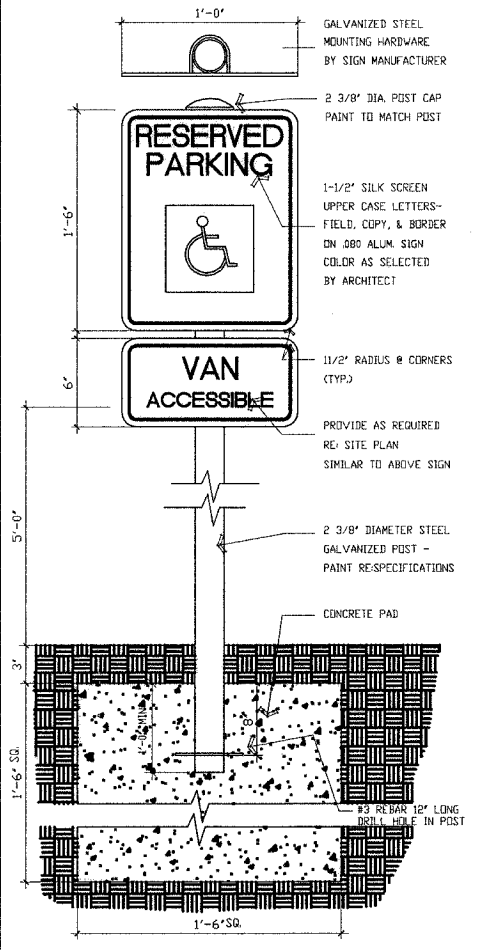
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11 BOLLARD N.T.S.



7 HANDICAP PARKING N.T.S.

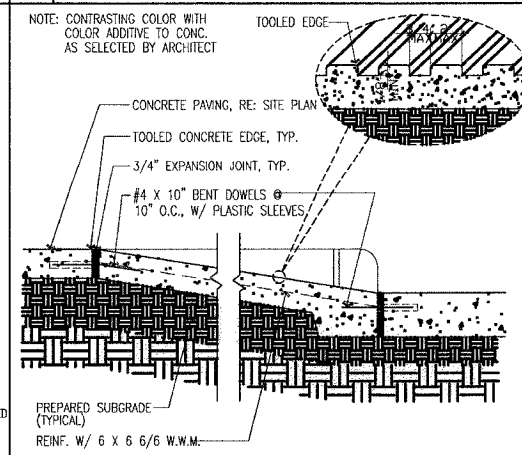


2 HANDICAP SIGN N.T.S.

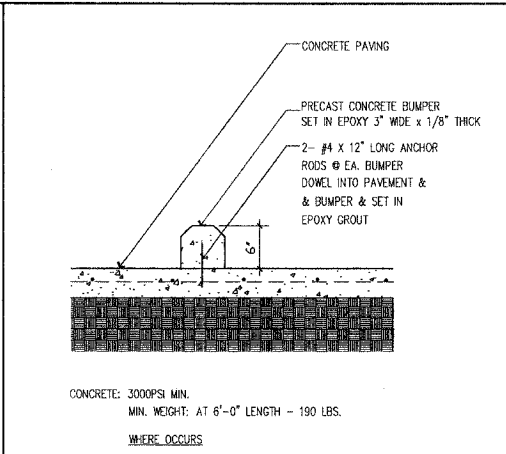
AREA	CONCRETE THICKNESS	COMMENTS
SIDEWALKS AND ENTRY WALKS	4"	6 X 6 #6 W.W.M. FLAT (NOT ROLLED)
PARKING AREA	6" SURFACE	8" AGGREGATE BASE

NOTE: SAND FILL WILL NOT BE ALLOWED AS A SUBGRADE MATERIAL BELOW VEHICULAR (AUTO, PARKING,) PAVING.

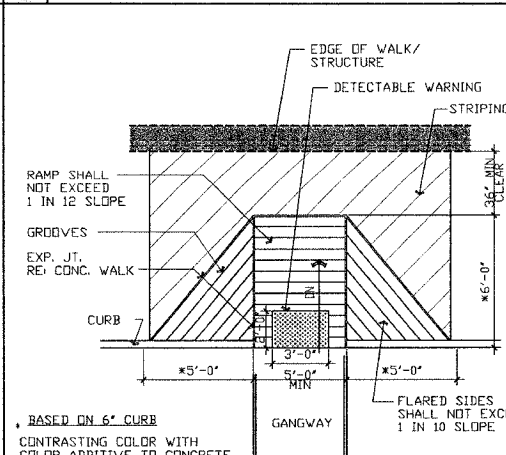
8 PAVING + WALK SCHEDULE



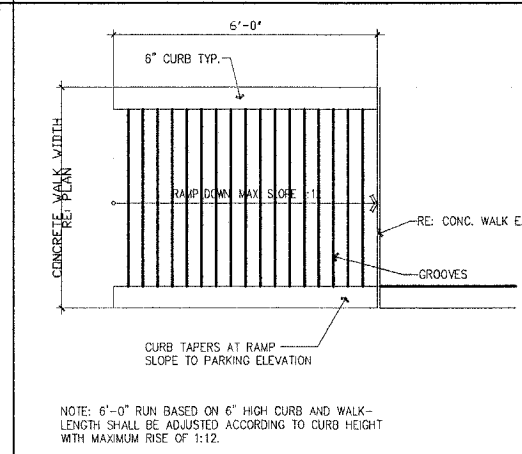
3 ACCESSIBLE RAMP 1" = 1'-0"



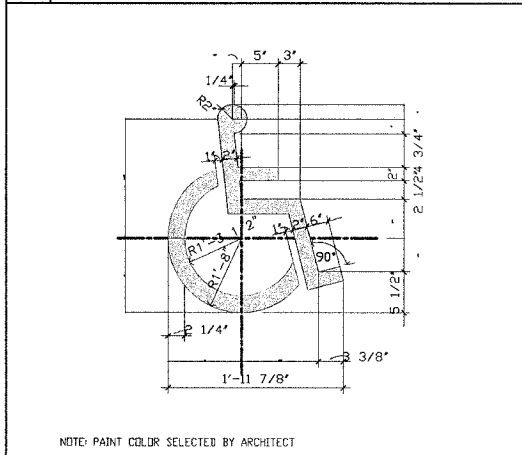
9 CONC. WHEEL STOP 1" = 1'-0"



4 ACCESSIBLE RAMP 1/4" = 1'-0"



10 ACCESSIBLE RAMP PLAN 1/2" = 1'-0"



1 HANDICAP STRIPING 1" = 1'-0"

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SHEET TITLE
SITE DETAILS
(6)

A1.2

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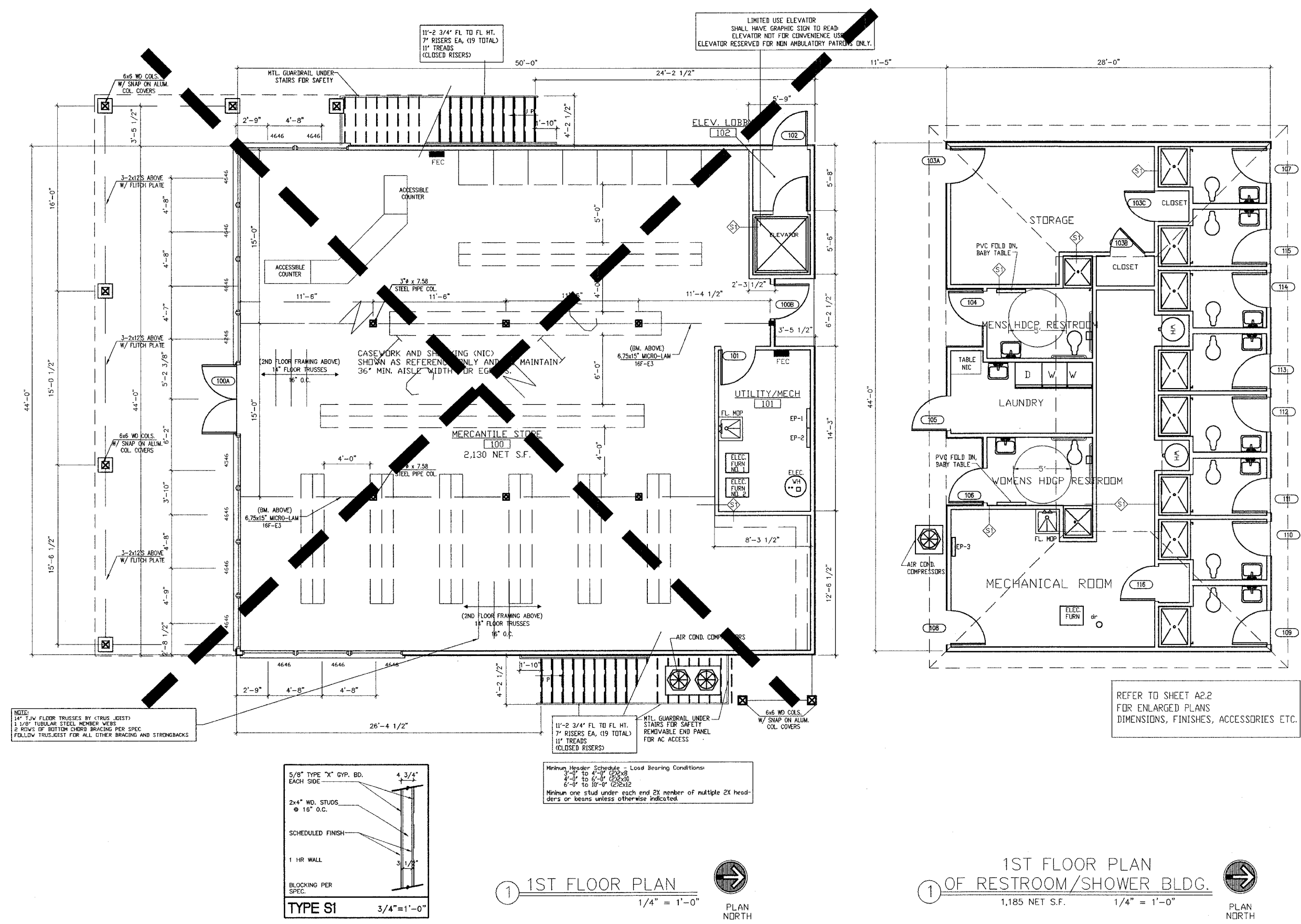
CITY OF GRAFTON
GRAFTON, IL 62037

GRAFTON HARBOR
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215 W. WATER STREET
GRAFTON, IL 62037

DATE: 9/1/05
REVISED: 00/00/00
ISSUED: FOR BID
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SHEET TITLE
FLOOR PLAN
(7)

A2.0



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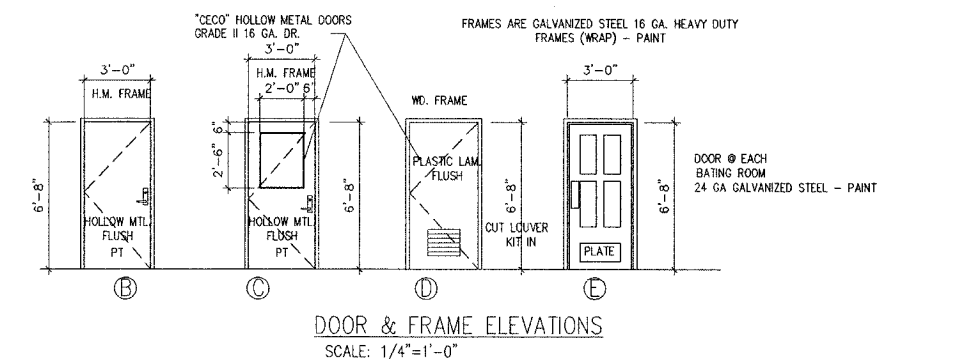
DATE: 9/1/05
 REVISED: 00/00/00
 ISSUED: FOR BID
 PROJ. NO.: 40001
 DRAWN BY: JoS

SHEET TITLE
 ENLARGED PLAN
 OF RESTROOM/SHOWER
 BUILDING AND SCHEDULES
 (8)

A2.1

ROOM FINISH SCHEDULE															
ROOM NO.	FLOOR	BASE				WALLS				CEILING	REMARKS				
		NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST						
103A	VCT	VB	VB	VB	VB	G.B.	PT	G.B.	PT	G.B.	PT	G.B.	PT	9'-0"	G.B.
103B	VCT	VB	VB	VB	VB	G.B.	PT	G.B.	PT	G.B.	PT	G.B.	PT	9'-0"	G.B.
103C	VCT	VB	VB	VB	VB	G.B.	PT	G.B.	PT	G.B.	PT	G.B.	PT	9'-0"	G.B.
104	VCT	VB	VB	VB	VB	FRP	FRP	FRP	FRP	FRP	FRP	FRP	FRP	9'-0"	G.B.
105	VCT	VB	VB	VB	VB	G.B.	PT	G.B.	PT	G.B.	PT	G.B.	PT	9'-0"	G.B.
106	VCT	VB	VB	VB	VB	FRP	FRP	FRP	FRP	FRP	FRP	FRP	FRP	9'-0"	G.B.
107	VCT	VB	VB	VB	VB	FRP	FRP	FRP	FRP	FRP	FRP	FRP	FRP	9'-0"	G.B.
108A	VCT	VB	VB	VB	VB	G.B.	PT	G.B.	PT	G.B.	PT	G.B.	PT	9'-0"	G.B.
108B	VCT	VB	VB	VB	VB	G.B.	PT	G.B.	PT	G.B.	PT	G.B.	PT	9'-0"	G.B.
109	VCT	VB	VB	VB	VB	FRP	FRP	FRP	FRP	FRP	FRP	FRP	FRP	9'-0"	G.B.
110	VCT	VB	VB	VB	VB	FRP	FRP	FRP	FRP	FRP	FRP	FRP	FRP	9'-0"	G.B.
111	VCT	VB	VB	VB	VB	FRP	FRP	FRP	FRP	FRP	FRP	FRP	FRP	9'-0"	G.B.
112	VCT	VB	VB	VB	VB	FRP	FRP	FRP	FRP	FRP	FRP	FRP	FRP	9'-0"	G.B.
113	VCT	VB	VB	VB	VB	FRP	FRP	FRP	FRP	FRP	FRP	FRP	FRP	9'-0"	G.B.
114	VCT	VB	VB	VB	VB	FRP	FRP	FRP	FRP	FRP	FRP	FRP	FRP	9'-0"	G.B.
115	VCT	VB	VB	VB	VB	FRP	FRP	FRP	FRP	FRP	FRP	FRP	FRP	9'-0"	G.B.

LEGEND:
 VB = 4" VINYL BASE
 G.B. = GYPSUM BO. 5/8"
 FRP = "MARLITE" FIBERGLASS REINFORCED PANELS
 VCT = VINYL COMPOSITION TILE (1/8")
 S/V = STAINED AND VARNISH
 PT. = PAINT
 PT/VCT = PAINT AND VINYL WALL COVERING
 PLYMD = 5/8" CDX PLYWOOD FOR MOUNTING
 LUAN UNDERLAYMENT OVER ALL SUBFLOORS



DOOR SCHEDULE									
DOOR OR ROOM NO.	SIZE	DR. MAT.	DR. FINISH	FRAME MAT.	FRAME FINISH	TYPE	LABEL	REMARKS	
103A	3'-0" x 7'-0"	1 3/4"	HM	PT	HM	PT	B	NO CLOSURE	
103B	3'-0" x 7'-0"	1 3/4"	HPL	-	WD	ST	D	NO CLOSURE	
103C	3'-0" x 7'-0"	1 3/4"	HPL	-	WD	ST	D	NO CLOSURE	
104	3'-0" x 6'-8"	1 3/4"	S	PT	HM	PT	E	-	
105	3'-0" x 7'-0"	1 3/4"	HM	PT	HM	PT	C	-	
106	3'-0" x 6'-8"	1 3/4"	S	PT	HM	PT	E	-	
107	3'-0" x 6'-8"	1 3/4"	S	PT	HM	PT	E	-	
108A	3'-0" x 7'-0"	1 3/4"	HM	PT	HM	PT	B	NO CLOSURE	
108B	3'-0" x 7'-0"	1 3/4"	HPL	-	WD	ST	D	-	
109	3'-0" x 6'-8"	1 3/4"	S	PT	HM	PT	E	-	
110	3'-0" x 6'-8"	1 3/4"	S	PT	HM	PT	E	-	
111	3'-0" x 6'-8"	1 3/4"	S	PT	HM	PT	E	-	
112	3'-0" x 6'-8"	1 3/4"	S	PT	HM	PT	E	-	
113	3'-0" x 6'-8"	1 3/4"	S	PT	HM	PT	E	-	
114	3'-0" x 6'-8"	1 3/4"	S	PT	HM	PT	E	-	
115	3'-0" x 6'-8"	1 3/4"	S	PT	HM	PT	E	-	

NOTE: 1. PROVIDE BARRIER-FREE THRESHOLD @ ALL ENTRY & EXIT DOORS.
 2. ALL DOORS TO HAVE LEVER TYPE HARDWARE.
 3. ALL DOORS SHALL HAVE CLOSURES UNLESS NOTED OTHERWISE.
 4. ALL DOORS TO BATH HOUSE TO HAVE STAINLESS STEEL HINGES.

LEGEND: S = STEEL
 AL = ALUMINUM
 C/A = CLEAR ANODIZED
 HPL = HIGH PRESSURE LAMINATES
 WOOD GRAIN
 A/L = ALUMINUM & GLASS
 W/F = WOODEN FRAME
 HM = HOLLOW METAL
 PT = PAINT
 ST = STAIN

- PROVIDE HARDWARE FOR TYPICAL OFFICE ENTRY:
 3 EA. HINGE 4 1/2" x 4 1/2" BUTTS BB1279 "HAGER"
 1 EA. PRIVACY LOCK T301 Q "FALCON"
 1 EA. FLOOR STOP WS401CCV "IVES"
 1 EA. DOOR SILENCER SR64 - GRAY "IVES"
- PROVIDE HARDWARE FOR TYP. STORAGE/MECHANICAL ROOM:
 3 EA. HINGE 4 1/2" x 4 1/2" BUTTS BB1279 "HAGER"
 1 EA. STOREROOM LOCK T581 Q X C607 F2 "FALCON"
 1 EA. SURFACE CLOSURE 4010 SERIES LCN "IVES"
 1 EA. KICK PLATE B400 12 X 1 1/2 LDW "IVES"
 1 EA. FLOOR STOP WS401CCV "IVES"
 1 EA. SMOKE GASKET S88B17 "PEMKO"
- PROVIDE HARDWARE FOR TYP. BATHING /SHOWER ROOM:
 3 EA. HINGE 4 1/2" x 4 1/2" BUTTS BB1279 "HAGER"
 1 EA. PRIVACY LOCK (THUMB TURN OR PUSH BUTTON) AND KEVED ENTY
 1 EA. PULL HANDLE FOR EXIT.
 1 EA. PUSH PLATE FOR ENTRY
 1 EA. SURFACE CLOSURE 4010 SERIES LCN (NON HOLD OPEN)
 1 EA. KICK PLATE B400 12 X 1 1/2 LDW "IVES"
 1 EA. FLOOR STOP WS401CCV "IVES"
- PROVIDE HARDWARE FOR LAUNDRY:
 3 EA. HINGE 4 1/2" x 4 1/2" BUTTS BB1279 "HAGER"
 1 EA. STOREROOM LOCK T581 Q X C607 F2 "FALCON"
 1 EA. PULL HANDLE FOR EXIT.
 1 EA. PUSH PLATE FOR ENTRY.

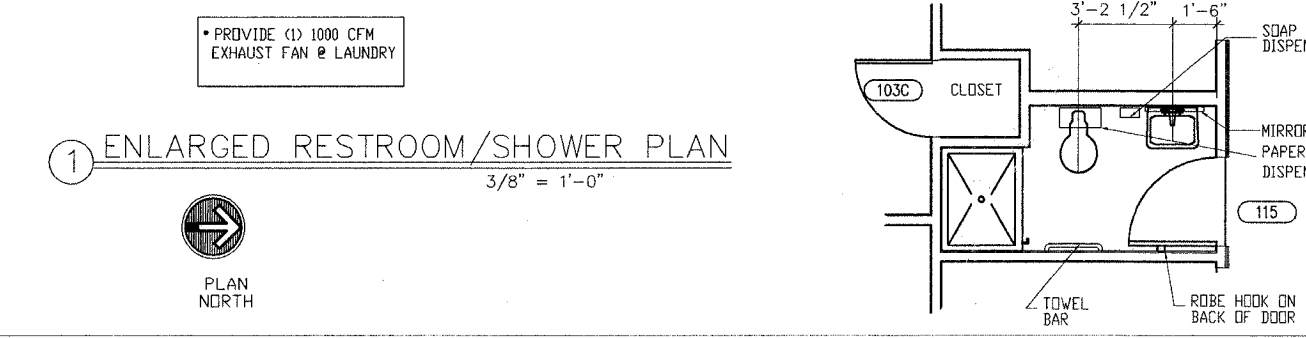
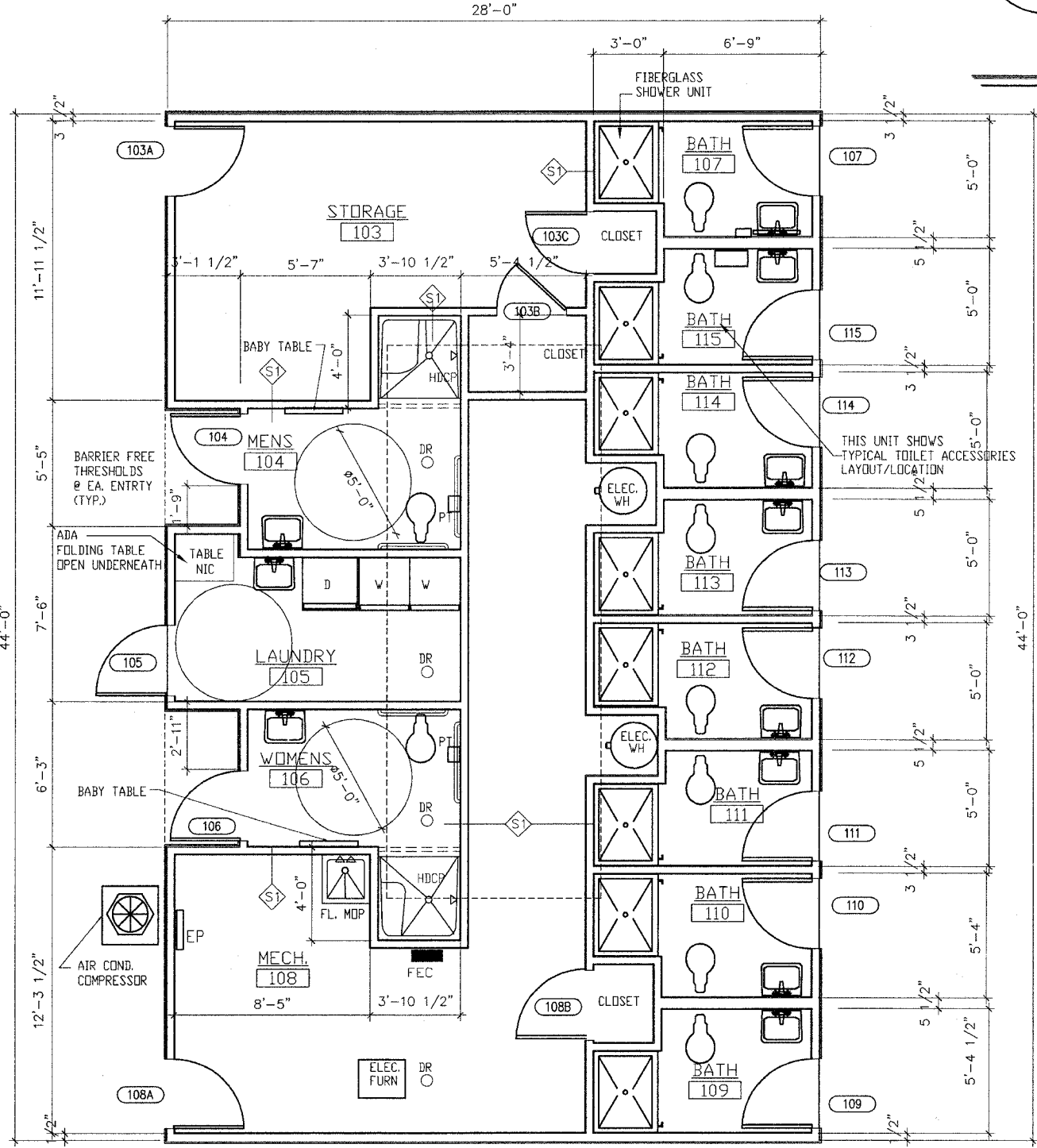
REFER TO SPEC FOR TOILET ACCESSORIES
 ALL ROOMS HAVE VCT FLOOR TILE
 AND 6" VINYL BASE
 "MARLITE" FRP WALL PANELS AT ALL WALLS
 ALL WALLS OF EACH SHOWER ROOM TO HAVE M.R. G.P. BD.
 SOUND BATTS @ ALL DEMISING PARTITIONS

BABY CHANGING STATION IN EACH HANDICAP RESTROOM (2)
 PROVIDE (2) "KDALA" HORIZONTAL STATIONS
 MODEL# KB 100-00 CREAM

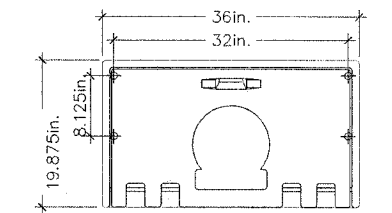
REFER TO SHEET P10 FOR FIXTURE SCHEDULE ACCESSORIES.
 REFER TO SPEC (SECTION 10800) FOR TOILET ACCESSORIES

PROVIDE (1) EXHAUST FAN AT EACH SHOWER ROOM
 REFER TO SHEET P10 FOR TYPE.

ALL SEPARATION WALLS BETWEEN SHOWER ROOMS TO HAVE R-11 SOUND BATT INSULATION.



TYP. HDCP RESTROOM
 3/8" = 1'-0"



BABY CHANGING TABLE (ADA)

TYPICAL RESTROOM
 3/8" = 1'-0"

FA-RTS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
99-00013-00-HP	JERSEY	ILLINOIS	15	9
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CONTRACT NO. 97262

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CITY OF
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GRAFTON HARBOR
MARINA PROJECT
RESTROOM BUILDING
215 W. WATER STREET
GRAFTON, IL 62037

DATE: 9/1/05

REVISED: 00/00/00

ISSUED: FOR BID

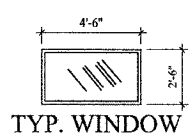
PROJ. NO.: 40001

DRAWN BY: JJS

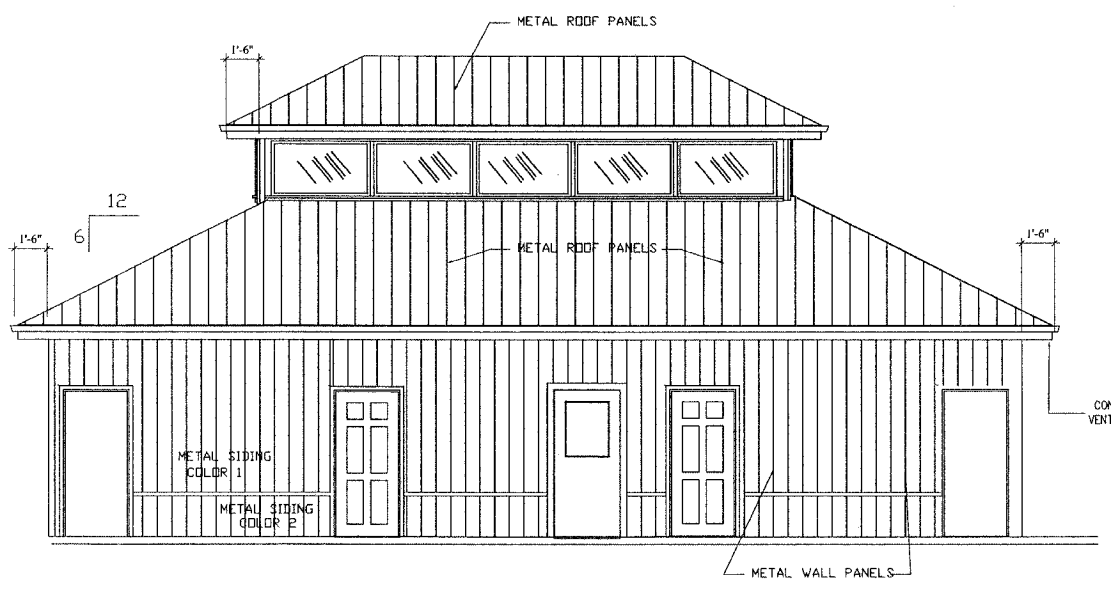
SHEET TITLE
EXTERIOR
ELEVATIONS

(9)

A4.0

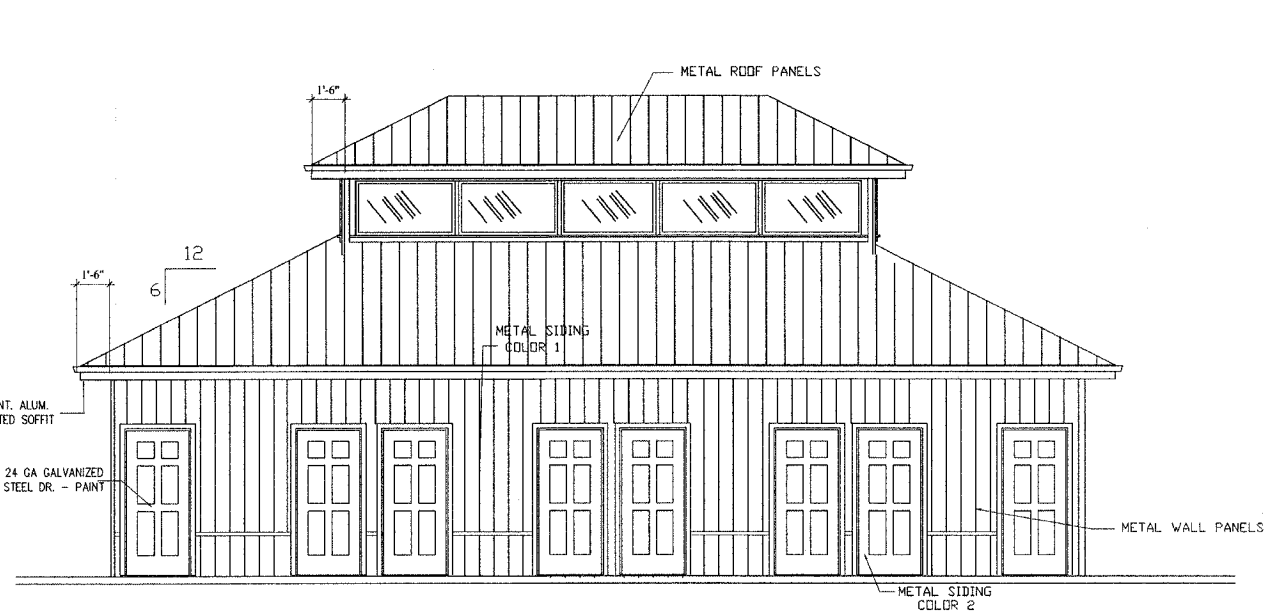


ALL WINDOWS BY WEATHERSHIELD, CARADCO OR ANDERSON MFG.
(ALUMINUM CLAD WINDOWS - COLOR TO BE SELECTED BY OWNERS.)
WINDOW GLAZING SHALL BE A HARD COAT LOW-E WITH LOW SHGC
WINDOW GLAZING SHALL DBL. GLAZED AND TEMPERED (1/2" GLAZING)
2 LAYERS OF 1/8" INSULATED, TEMPERD GLASS
OPTIMUM SHGC FACTOR SHALL BE = .35
CONTRACTOR HAS OPTION TO GLAZE IN THESE WINDOW FRAMES
WITH SAME GLAZING DESCRIBED ABOVE.



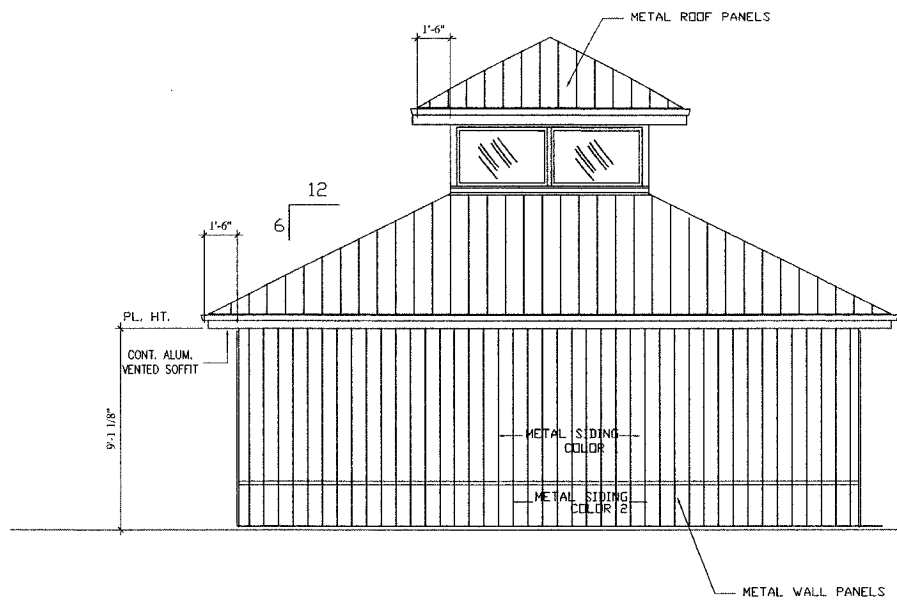
FRONT OF RESTROOM/SHOWER BUILDING
RIVER SIDE

④ ELEVATIONS
1/4" = 1'-0"



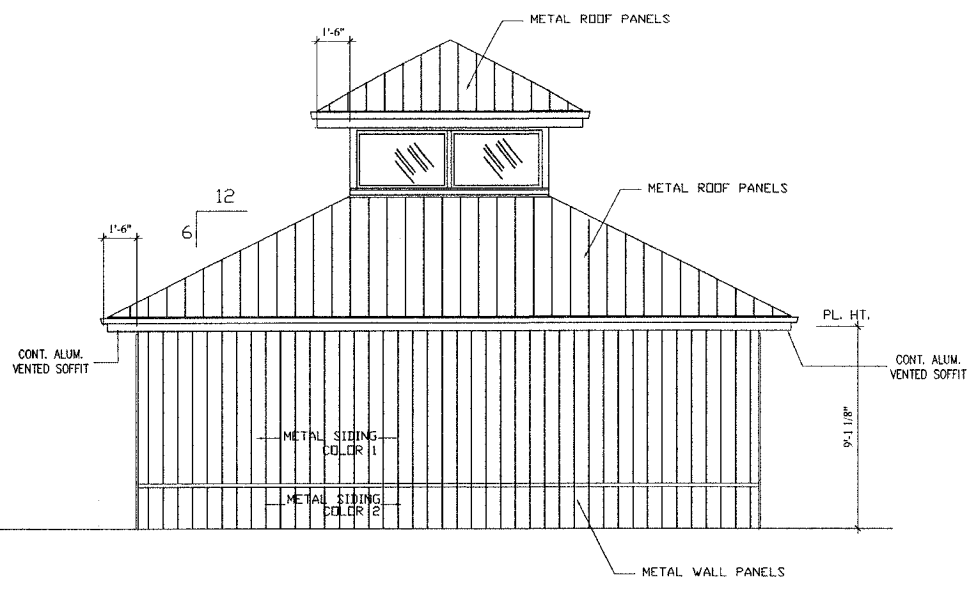
REAR OF RESTROOM/SHOWER BUILDING
HIGHWAY SIDE

③ ELEVATIONS
1/4" = 1'-0"



RESTROOM/SHOWER BUILDING

② ELEVATIONS
1/4" = 1'-0"



RESTROOM/SHOWER BUILDING

① ELEVATIONS
1/4" = 1'-0"

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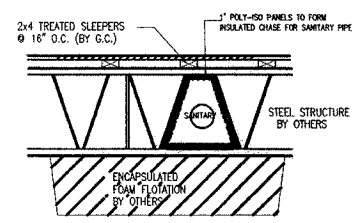
**CITY OF
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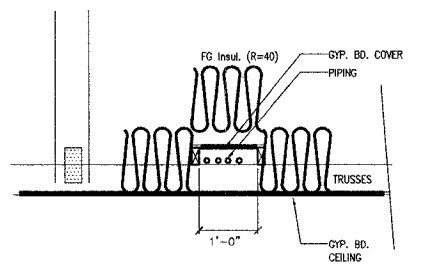
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PROJ. NO.: 40001
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SHEET TITLE
BLDG. SECTION
ELEV. PLAN
& DETAILS
(10)

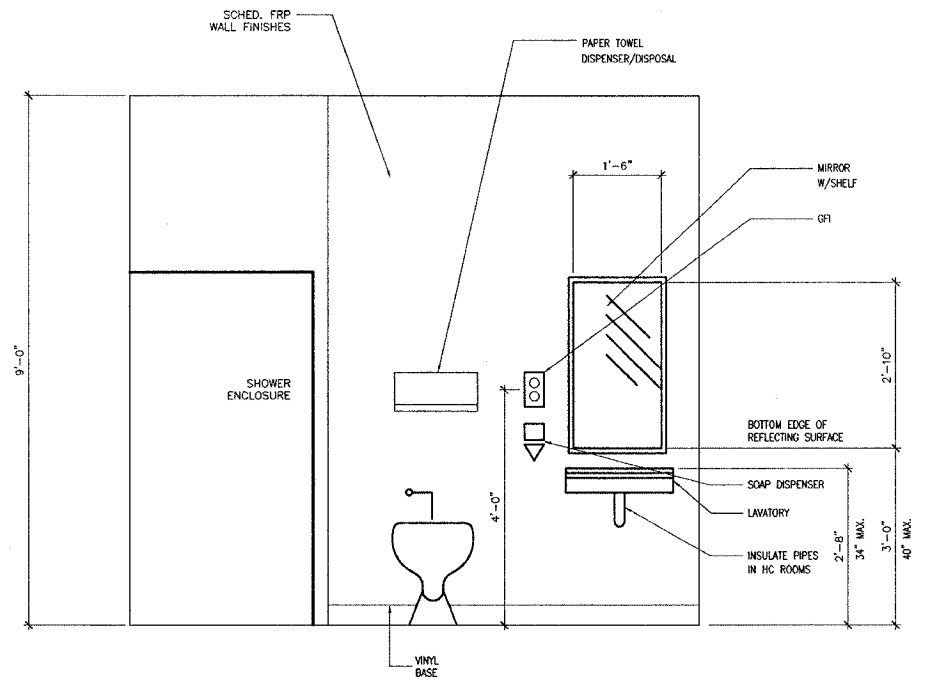
A4.1



3 SANITARY CHASE BELOW THE DECKING
SCALE: 1" = 1'-0"

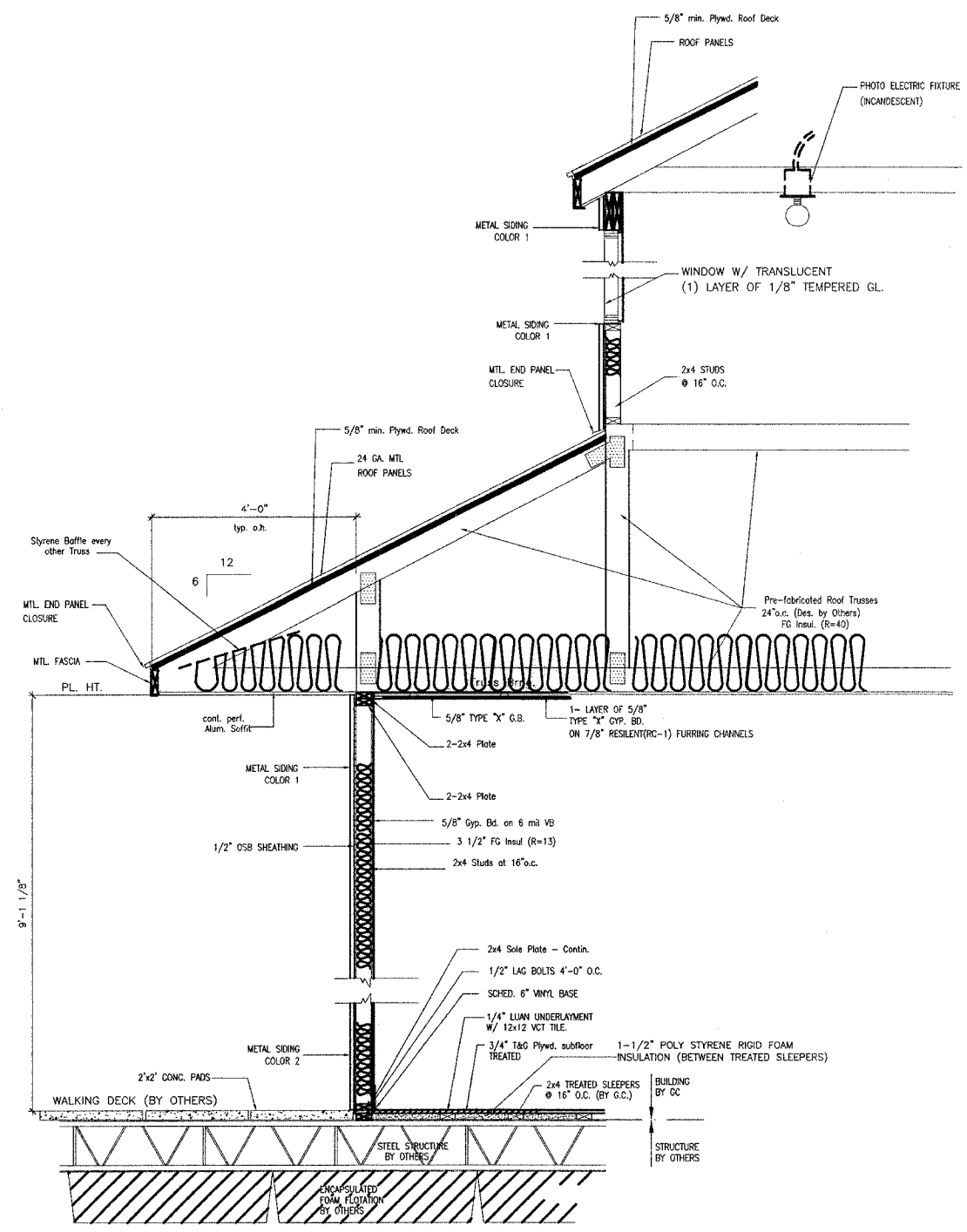


2 PIPING INSUL. IN ATTIC
SCALE: 1" = 1'-0"



TYPICAL SHOWER ROOM 3/4" = 1'-0"

REFER TO SHEET "I" FOR FIXTURE MOUNTING HTS.



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

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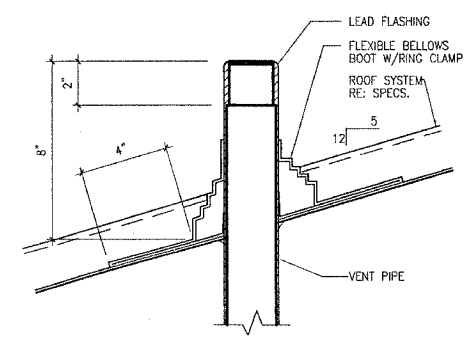
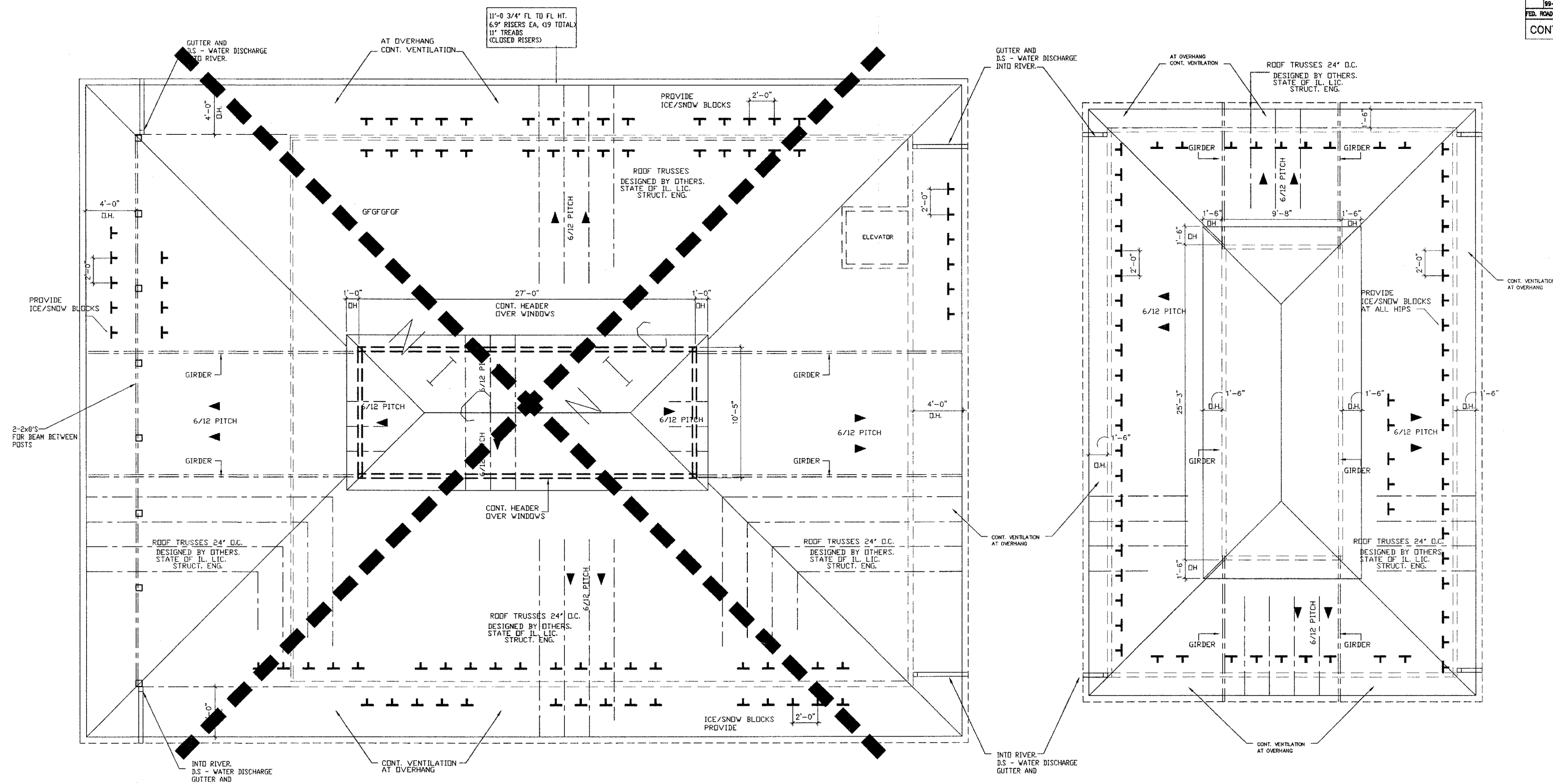
CITY OF GRAFTON
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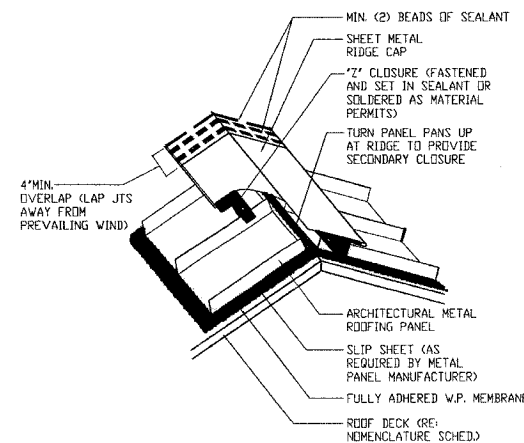
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PROJ. NO.: 40001
DRAWN BY: JAS

SHEET TITLE
ROOF FRAMING PLAN
(11)

A5.0



NOTE: ALL PLUMBING VENT & FLASHING REFER TO MFG'S & SPECS.
X:\Dw7\MTL\Z-temp\PLBVENT.dwg
X-230-22.dwg
3" = 1'-0"



1 1/2" = 1'-0"

- MISCELLANEOUS NOTES:**
- 1.) ALL ROOF AREAS SHALL DRAIN INTO GUTTERS AND DOWNSPOUTS PER PLANS.
 - 2.) DOWNSPOUTS SHALL BE PLACED IN APPROXIMATE LOCATION SHOWN ON ROOF PLANS.
 - 3.) ALL ROOF AREAS SHALL BE VENTED PER SECTION OF THE UNIFORM BUILDING CODE (UBC) 1999, AS AMENDED BY THE CITY OF BEECHER, ILLINOIS.
 - 4.) ROOF VENTS SHALL BE PLACED IN THE APPROXIMATE LOCATION AS SHOWN ON THE ROOF PLANS. NET FREE AREA OF VENTILATION IN THE UPPER 1/3 AND LOWER ROOF AREAS SHALL MEET SIZE SHOWN.
 - 5.) ALL ROOF SLOPES ARE 6/12 U.A.O.
 - 6.) ALL DOWNSPOUTS DISCHARGE DIRECTLY INTO STORM SYSTEM AND INTO THE RIVER.
 - 7.) PROVIDE CONCEALED WALL FLASHING AT ALL AREAS WHERE ROOF MEETS VERTICAL WALL & MINIMUM 9 INCH VERTICAL LEAD.
 - 8.) PROVIDE VALLEY FLASHING AND METAL DRIPS AS PER SPECIFICATIONS AND MANUFACTURER'S DIRECTIONS.
 - 9.) DRAFTSTOPPING SHALL BE CYP. RD. 5/8" TYPE X ON ONE SIDE ONLY, AND SHALL DIVIDE THE ATTIC INTO 2 SPACES OF LESS THAN 3,000 SF. EACH. ATTIC DOOR SHALL BE MIN. 22"x48" WITH SPRING LOADED HINGE & LATCH.
 - 10.) ALL ROOF SHEATHING SHALL BE 5/8" CDX

- NOTES**
1. TRUSS DESIGNER TO COORDINATE BOTTOM CHORDS OF TRUSSES FOR ELEVATOR SHAFT WALLS.
 2. PROVIDE 150 SQ. FT. OF ATTIC VENTILATION PER 2003 IBC CODE
 3. ALL OVERHANGS ARE FROM FACE OF STUD WALL, UNLESS NOTED OTHERWISE.
 4. CONTINUOUS ALUM VENTED SOFFIT.
 5. ICE AND SNOW CLEATS ARE FOR GRAPHIC REPRESENTATION ONLY. MUST HAVE 2 ROWS CONTINUOUSLY AROUND ALL FOUR ELEVATIONS OF BOTH BUILDINGS. STAGGER CLEATS (TYP)

1 ROOF FRAMING PLAN
1/4" = 1'-0"
PLAN NORTH

GENERAL NOTES

1. PROVIDE CONNECTION FOR ONE POWER OUTLET, ONE COMPUTER POWER OUTLET, ONE VOICE LINE AND ONE DATA LINE PER OWNER LOCATION (STORAGE 103)
2. REFER TO OTHER SHEET A60 FOR ADDITIONAL SPECIFICATIONS.
3. COORDINATE ALL VOICE, POWER, DATA, AND LIGHTING REQUIREMENTS WITH OWNER'S FURNITURE AND EQUIPMENT.
4. LOCATE BUILDING TRANSFORMER. COORDINATE FINAL LOCATION WITH POWER COMPANY (AMEREN UE) AND GENERAL CONTRACTOR (RE: A10)

LEGEND

HUBBELL 8" 26 WATT "D42" COMPACT FLUORESCENT DOWNLIGHT - OR EQUAL. LAMP: 26HPF TRIM FINISH 44985F (EXTERIOR SOFFIT W/ 13 FC @ 10'-0")

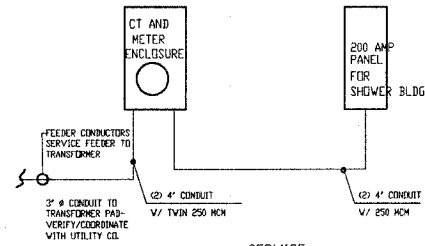
2 LAMP 48" FLUORESCENT FIXTURE (TB)

BATTERY BACKUP EMERGENCY LIGHTING. *PRESCOLITE* EMAX SERIES - WEDGE SHAPE. W/ 6W HALOGEN T 2 1/4 LAMPS. - OR EQUAL.

PRESCOLITE GC SERIES LED. - WHITE W/ 6" LETTERS SINGLE FACED VERSION. CLG. MTD. EXIT SIGN. - OR EQUAL.

WILLIAMS 1'x4' SURFACE MTD. FIXTURE IL-4-232-RA12125-CBR82-120 - OR EQUAL.

NOTE:
GROUND W/ #3/0 CU GROUNDING ELECTRODE
GROUND ROD AND COLD WATER LINE IN STRICT ACCORDANCE WITH THE NEC.
(GROUNDED BACK TO SHORE) WIRE SIZED BY ELECTRICAL CONTRACTOR)



SERVICE:
200 AMP, 4 WIRE 120/208 V - 1 PHASE
ELECTRIC PANEL RISER

SERVICE : 200 AMP
(1) 200 AMP

LIGHTING LOAD: BATH HOUSE
PROVIDE 20 AMP SPACES
3.5 VA PER SF. OF FLOOR SPACE
3.5 VA x 1,232 S.F. ± = (4,312 VA / 240) = 18 AMPERES

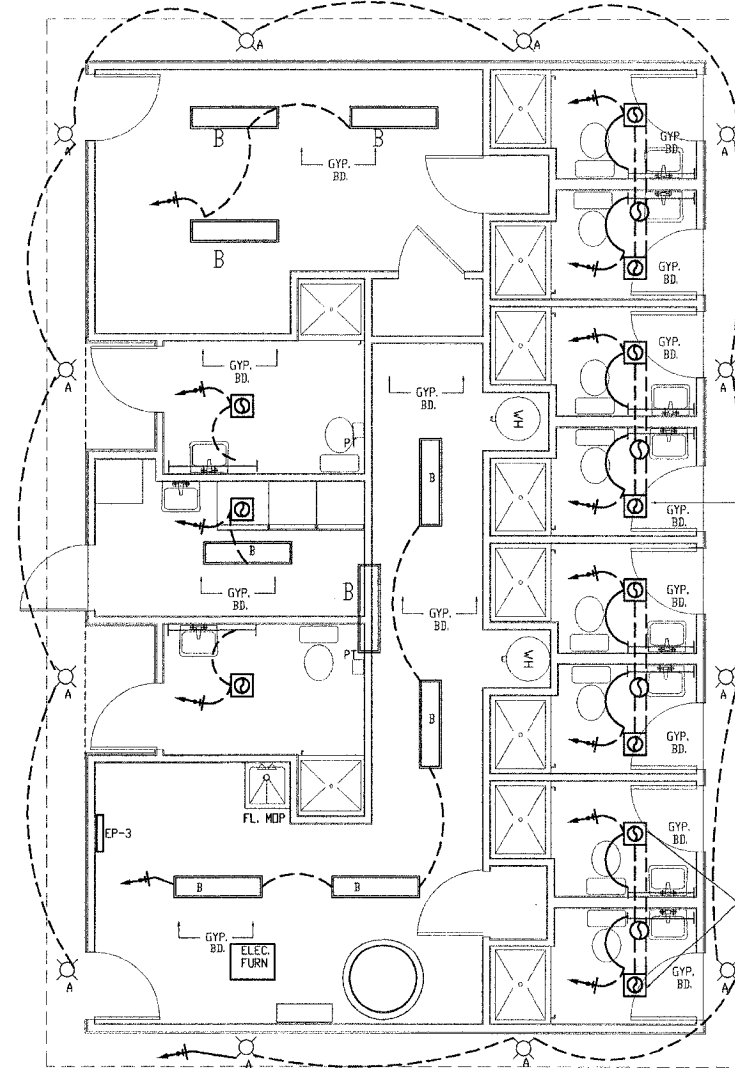
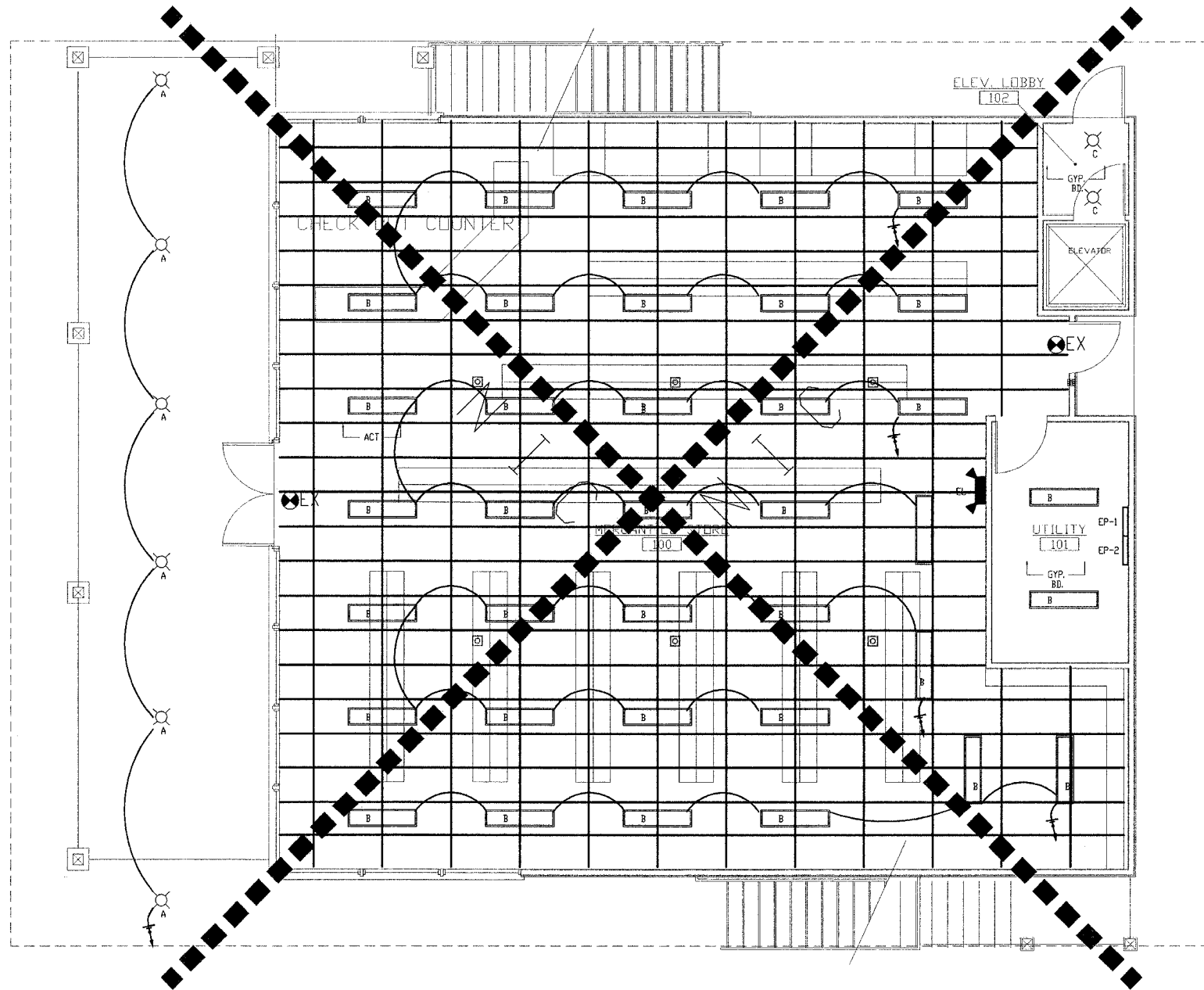
COMMON RECEPTACLE LOAD:
PROVIDE 15 AMP SPACES
1.5 VA PER SF. OF FLOOR SPACE
MAXIMUM 10 OUTLETS PER 15 AMP BREAKER
1.5 VA x 3970 SF. (INCLUDES BATHHOUSE) = (5,955 VA / 240) = 24 AMPERES

DEDICATED LOAD (EXHAUST FANS - 9 TOTAL)
15 AMP BREAKERS EACH
LOAD: 22 AMPS TOTAL

DEDICATED LOAD (DRYERS)
40 AMP BREAKERS EACH
LOAD: 24 AMPS x (2) = 48 AMPS

DEDICATED LOAD (AIR CONDITIONER):
60 AMP BREAKERS EACH
LOAD: 24 AMPS x (2) = 48 AMPS

TOTAL DEMAND LOAD:
160 AMPERES



1 LIGHTING PLAN
1/4" = 1'-0"



JOHN A. SHORTAL,
ARCHITECT, LTD.
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JERSEYVILLE, ILLINOIS 62052
(618) 779-2740

CITY OF
GRAFTON

GRAFTON, IL 62037

GRAFTON HARBOR
MARINA PROJECT
RESTROOM BUILDING
215 W. WATER STREET
GRAFTON, IL 62037

DATE: 9/1/05

REVISED: 00/00/00

ISSUED: FOR BID

PROJ. NO.: 40001

DRAWN BY: JcS

SHEET TITLE
LIGHTING PLAN

(12)

E1.0

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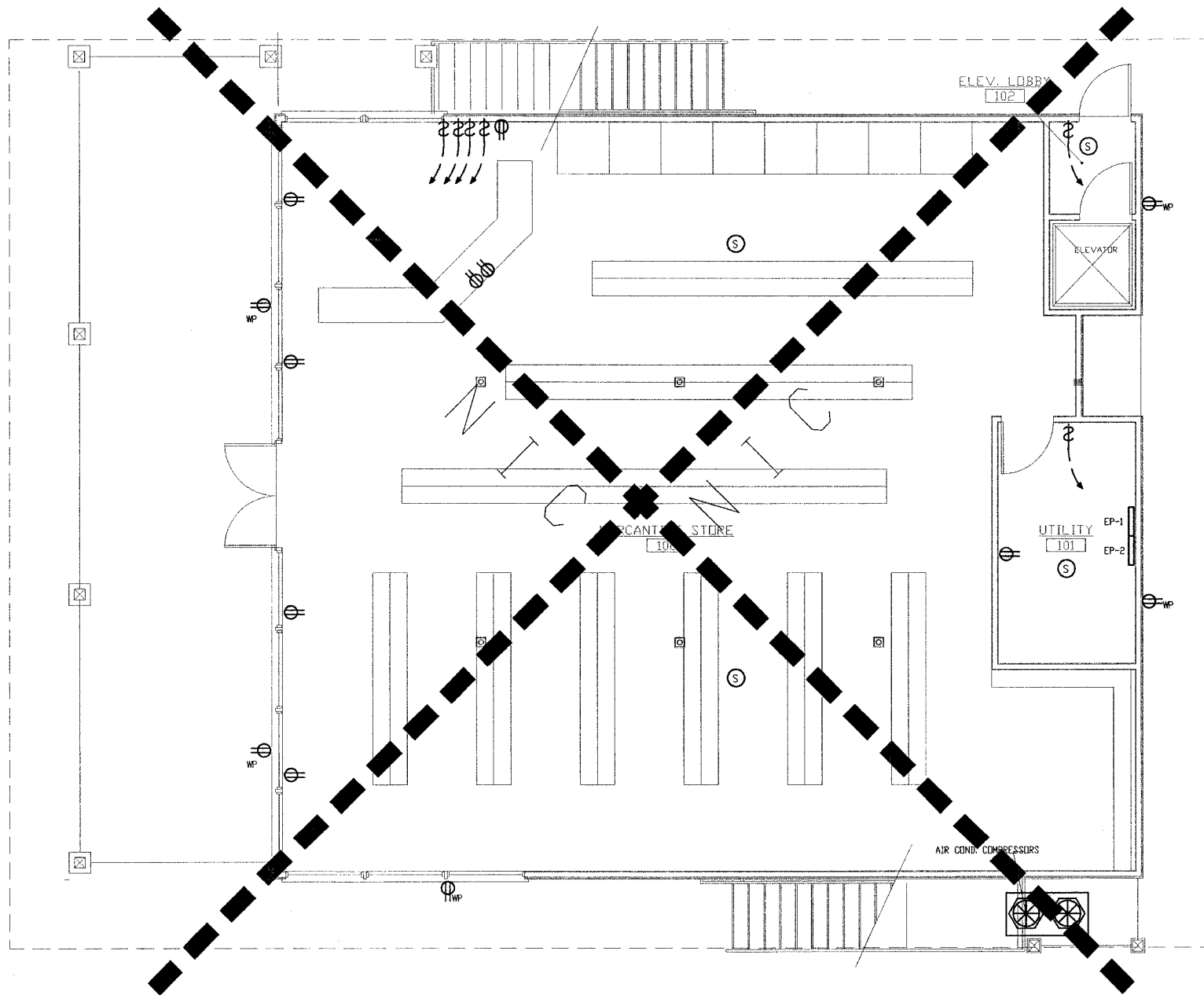
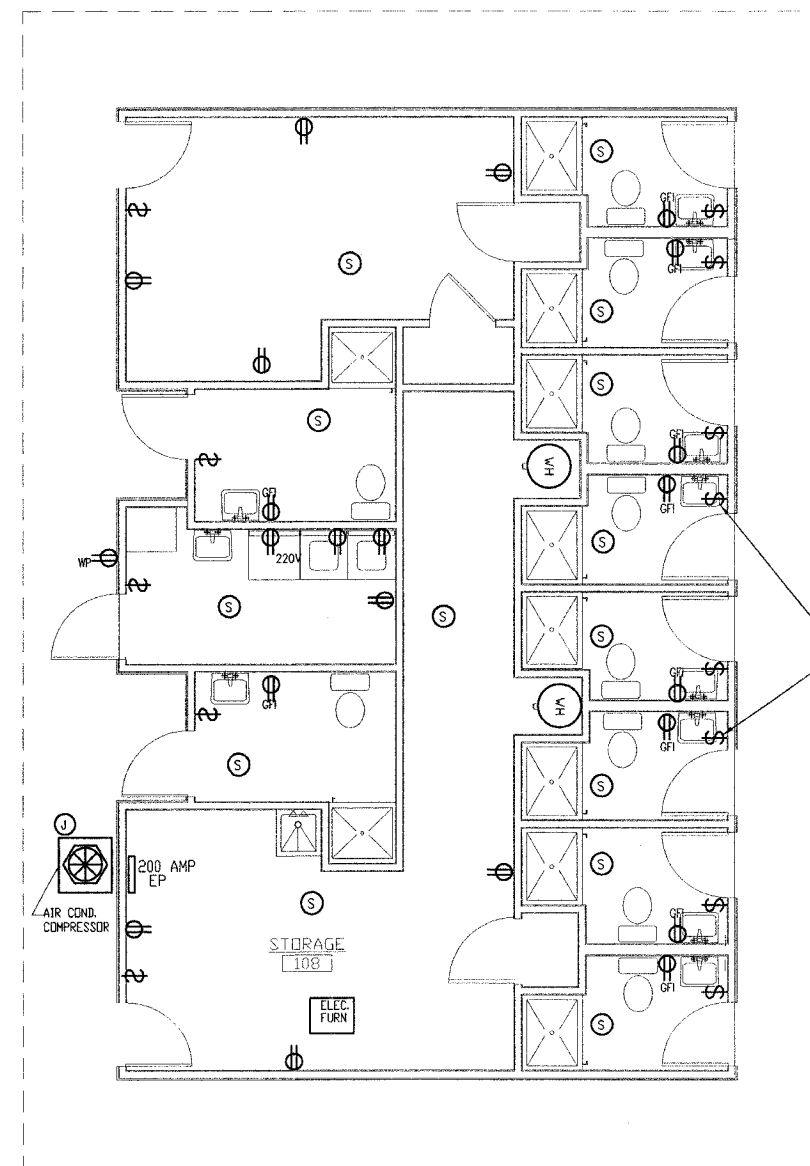
SHEET TITLE
POWER PLAN
(13)

E1.1

LEGEND FOR SYMBOLS

- \$ LIGHT SWITCH
- 3-WAY LIGHT SWITCH
- ⊕ ELECTRIC OUTLET
- 220V 220V RECEPTACLE
- ⊕ DEDICATED 20 AMP CIRCUIT FOR COMPUTER
- ⊕ GFI GROUND FAULT INTERRUPTER OUTLET
- ⊕ WP WATER PROOF EXTERIOR GFI
- ⊕ RECESSED FLOOR MTD. DUPLEX RECEPTACLE
- ⊕ QUADRAPLEX ELECTRIC OUTLET
- ▽ 2-LINE TELEPHONE & DATA OUTLET
- ⊙ S SMOKE DETECTOR - 110V AC
- ⊙ H HEAT DETECTOR
- ⊙ J JUNCTION BOX

ELECTRIC WATER HEATER
2) BRADFORD WHITE VR-250 - OR EQUAL.



1 POWER PLAN
1/4" = 1'-0"



F.A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
98-00013-00-HP	JERSEY	ILLINOIS	15	15

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

CONTRACT NO. 97262

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SHEET TITLE
PLUMBING PLAN
(15)

P1.0

FIXTURE SCHEDULE

Water heater:
"Energy Kinetics" 80 gal. electric.

LAVATORY SINK: (F1)
"BRADLEY" - TERRON IMPERIAL (ADA) single station, solid surface, MOD #L-18 21"x18" ADA compliant 4" faucet centers

LAVATORY (FAUCET): (F1)
BRADLEY 900 BR Model # SS3-284 (ADA)
S83-005 (24 VOLT TRANSFORMER)
SS3-056 (TMA Vernotherm thermostatic mixing valve)
289-1231 Drain assembly.

Water Closet: ADA (F2)
"MANSFIELD" ADRATIC 17" elongated model #1317, with 1 1/2" top spud
Sloan flush valve "Royal model #110 or Flushometer gem 2110

Water Closet: (F4)
"MANSFIELD" ULF COMMERCIAL" elongated model #1310, 1 1/2" top spud
Sloan flush valve "Royal model #110 or Flushometer gem 2110

SEAT
MANSFIELD #295C

SHOWER (ADA)
"BRADLEY" HN 250 Barrier-Free Shower Title 24 Compliant
All standard equipment. (SEE PLANS FOR VALVE/SEAT CONFIGURATION)
WITH (HN250-EF) EQUA-FLO HD PRESSURE BALANCING MIXING VALVE.
COLOR - BONE

Restroom Exhaust Fan:
"Broan" single port 6" duct - Model #SP140

Map Sink: molded stone (F3)

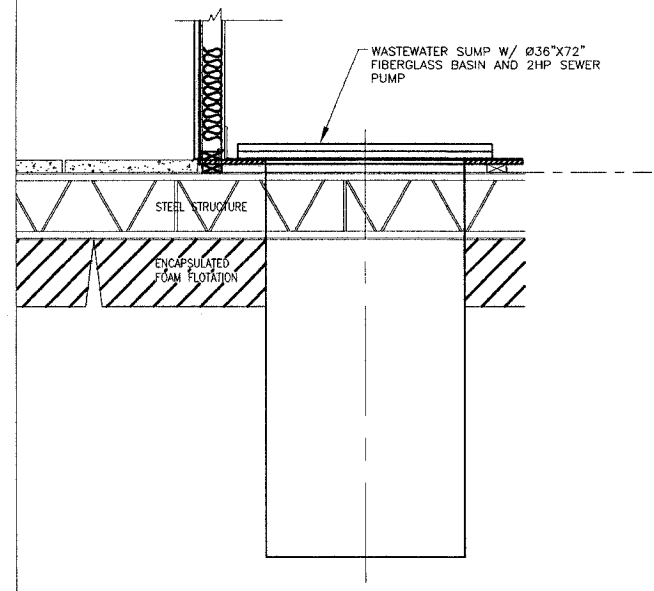
FAT PRODUCTS: Model # MSB-3624 - faucet 830AA - hose/dip 832AA mop hanger 889AA - vinyl bumperguard E77-AA - wall guard MSG 2424

Backflow preventer: ARMITROL (Therm-x-tral ST-12)

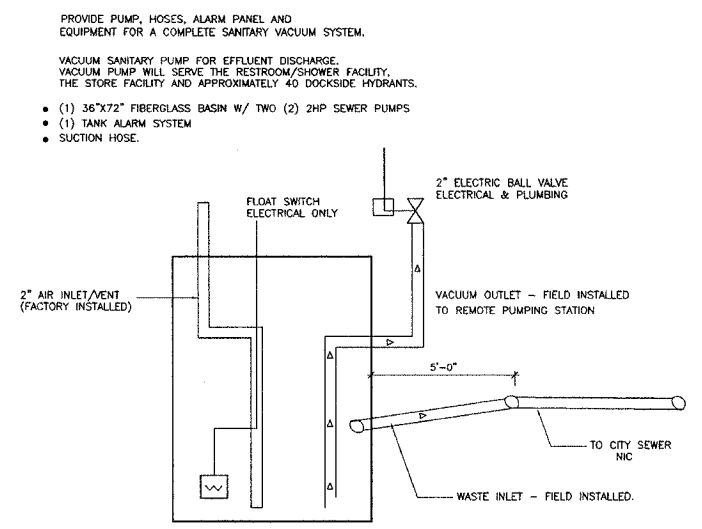
- SHOWER (TYPICAL)
FIBERGLASS SURROUND
"BRADLEY" MODEL WS-1WCA
INDIVIDUAL COVERALL WALL SHOWER FIXTURE
PROVIDE 32x42 SHOWER PANS. ACRYLIC MODIFIED POLYESTER RESIN.
COLOR - BONE
- 1" HOT & COLD WATER SUPPLY THROUGHOUT THE BUILDING REDUCE DOWN TO 1/2" AT EACH FIXTURE.
 - 1/2" HOT & COLD WATER SUPPLY @ LAV. (TYP.)
 - 1/2" COLD SUPPLY @ SHOWER AND WATER CLOSET. (TYP.)
 - 3" VENT @ W.C. (TYP.)
 - 1 1/2" VENT @ LAV & SHOWER. (TYP.)
- ALL SUPPLY PLUMBING IN ATTIC ABOVE
ALL PIPING TO BE INSULATED.

SEE SPECIFICATIONS FOR ADDITIONAL FIXTURE & FITTINGS. (DRAINS, CLEANOUTS, TRAPS, PIPING ETC)

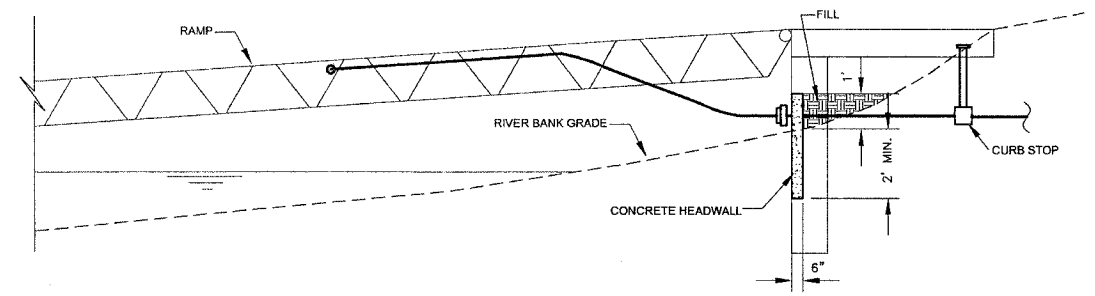
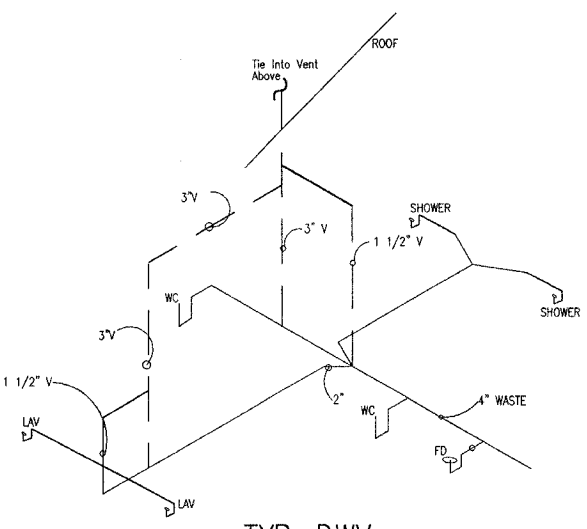
SANITARY WASTE HOLDING TANK DESIGNED BY CONTRACTOR/VENDOR SHALL MEET THE ILL. DEPT OF PUBLIC HEALTH & ILL PLUMBING CODE.



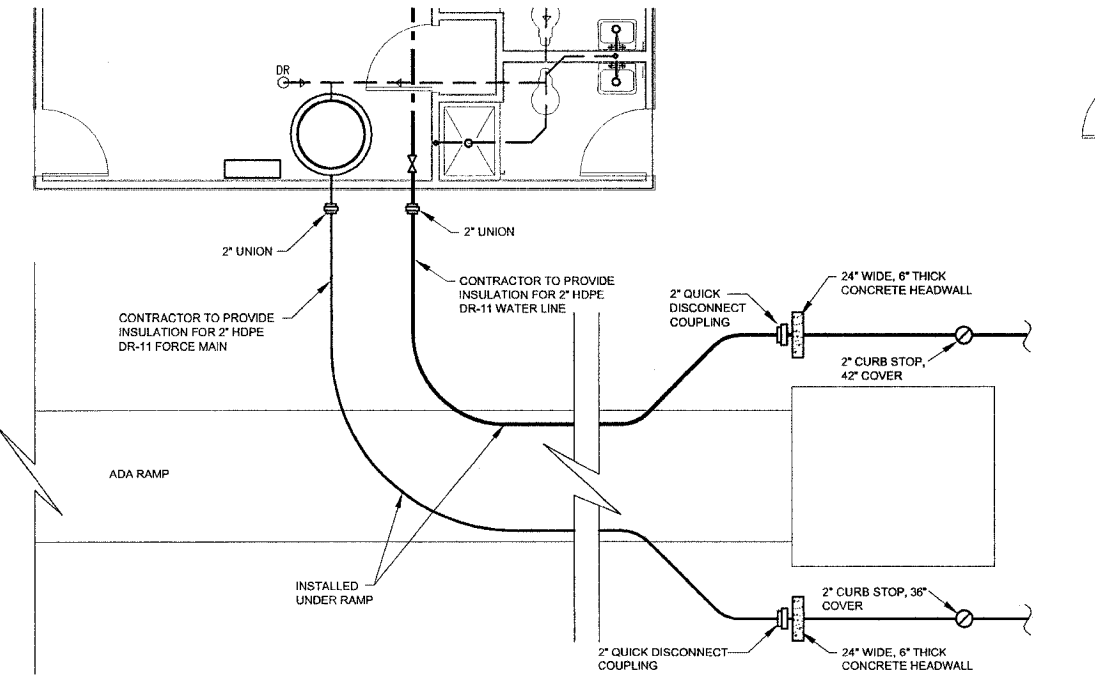
6 SEPTIC BASIN
NTS



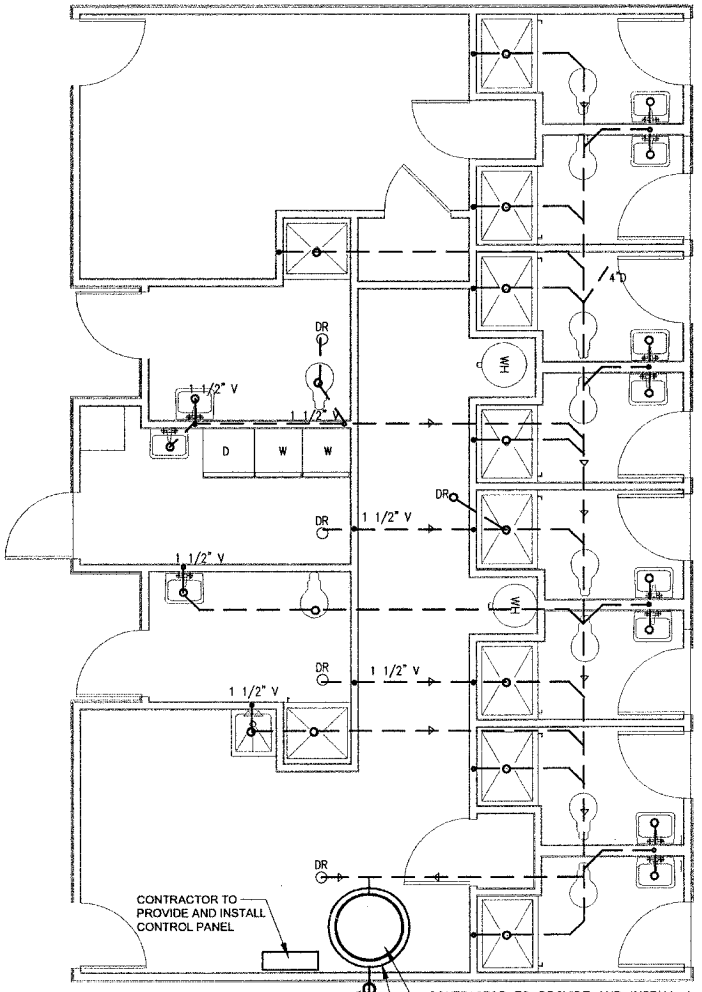
3 SEPTIC BASIN SCHEMATIC
NTS



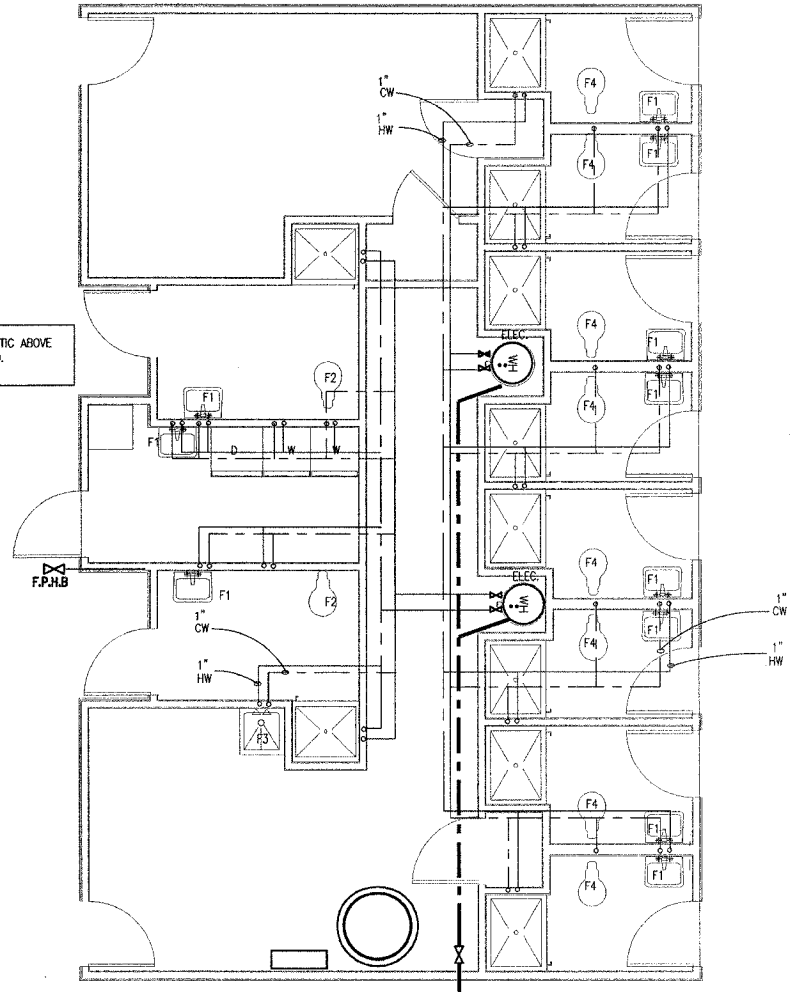
5 PIPE CONNECTIONS - SECTION VIEW
NTS



4 PIPE CONNECTIONS - PLAN VIEW
NTS



1 PLUMBING PLAN (SANITARY)
1/4" = 1'-0"



1 PLUMBING PLAN (SUPPLY)
1/4" = 1'-0"