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)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED SEPT. 20 20 05

Quantity Obstation
LOCAL ROADS AND STREETS ENGINEER

APPROVED 2-26 20 05

Mary C Lamie,
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

99-00013-00-HP JERSEY 15 1
FEIL RIMD DIST. NO. | LILINOIS FED. AID PROJECT
COntract No. 97262

CARROLL

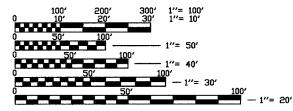


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STANDARDS

424001-04 70200**1** -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

LOCATION MAP

SCALE: 1' = 750'

GROSS LENGTH OF PROJECT: N/A

NET LENGTH OF PROJECT: N/A

JERSEY COUNTY

C—98—118—99

SCALES PROFILE HORIZ. 1'=20'
PROFILE VERT. 1'=5'
(ROUSE SECTION. 1'=5' HORIZ.
1'=5' VADALAGENE BINE TRAIL

WITH STREET ROUTE #100

WETR STREET WALK

WETLAND MATURE WALK

ILLINOIS & MISSISSIPPI RIVERS

稐	SECTION	COUNTY	TOTAL SHEETS	SHEE NO.
	99-00013-00-HP	JERSEY	15	2
FED. I	OAD DIST. NO. LLIN	OIS FED. AID	PROJECT	•

CITY OF GRAFTON

GRAFTON, IL 62037

GRAFTON HARBOR
MARINA PROJECT
RESTROOM BUILDING
215 W. WATER STREET
GRAFTON, 11, 62037

DATE: 9/1/05

REVISED: 00/00/00 🛆

ISSUED: FOR BID

PROJ. NO.: 400 DRAWN BY:

SHEET TITLE QUANTITIES

(2)

G1.0

SUMMARY OF QUANTITIES								
CODE NO.	ITEM	UNIT	SCENIC BYWAYS FUNDING, 8 0%	CITY OF GRAFTON GENERAL FUND 20%	TOTAL QUANTITY			
XX006415	RESTROOM/SHOWER BUILDING COMPLETE	L. SUM	1,0	alesterine .	1.0			
67100100	MOBILIZATION	L. SUM	1,0	Manager T	1.0			
					·			

SPECIFICATIONS

BUILDING CODES.
THE LATEST EDITION OF THE COVERNING BUILDING CODE. (2003 IBC) REGULATIONS AND ORDINANCES SHALL BE ENFORCED MISCELLANEOUS INFORMATION

MISCELLANEOUS INFORMATION
COORDINATE ALL DIMENSIONS TO FEATURES (NOTCHES, RECESSES, PADS, ETC) FFOR EQUIPMENT WITH DETAILING SHOP DRAWINGS OF THE APPROPRIATE TRADE.

LOADS

STRUCTUAL STEEL
ALL BEAMS, GIPDERS, COLUMNS, PLATES, ANGLES AND MISCELLANEOUS
STEEL SHALL COMFORM TO ASTM A36 UNLESS NOTED OTHERWISE.
ALL FIELD BOLTED CONNECTIONS SHALL HAVE 3/4" DIAMETER BOLTS IN
ACCORPONACE WITH ASTM A35 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 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 amissions 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 APPROPIATE THICKNESS. NALING FASTENING AND TAPING FOR THE NOTED STUD SPACING ALL FRAMING TO BE IN ACCORDANCE WITH THE NATIONAL FOREST PRODUCTS "MANUAL FOR HOUSE FRAMING".
ALL LIMBERS SHALL BE GRADE MARKED A MINIMUM OF 1300 1.9. 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 SOUTH, ONLESS NOTED DIREMINE. ALL LOAD BEARING PARTITIONS SHALL BE 2 X 4 © 16°, oc. 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 EDHAUST FANS SHALL BE VENTED TO THE EXTERIOR

PRIOR TO BEGINING WORK THE GENERAL CONTRACTOR SHALL REVIEW ALL ELEVATIONS, RESTRICTIONS, AND SITE CONDITIONS AT

ELEVATIONS, RESTRICTIONS, AND SIE COMMINISTAL THE JOB SITE AND/SHALL NOTIFY THE ARCHITECT OF ANY DRAWING ERRORS OR INCONSISTENCIES.

ON TO SCALE DRAWINGS.
ALL FIR RATED DRYWALL ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS OF THE UL OR FM APPROVED TEST

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.
CAULKING AND SEALANTS: EXTERIOR JOINTS AROUND WINDOWS, DOOR FRAMES.
BETWEFN CANTY WALLS AND WINDOW AND/OR DOOR FRAMES RETWEFN WAS

CAULKING AND SEALANTS: EXTERIOR JOINTS AROUND WINDOWS, DOOR FRAMES, BETWEEN CAUTY WALLS AND WINDOW AND/OR DOOR FRAMES, BETWEEN WALL PANELS, AT PENETRATIONS OF UTILITY SERVICES THROUGH WALLS, FLOORS, AND RALOGS, AND LAL OTHER OPENINGS IN THE EXTERIOR ENVELOPE; ALL SWOKE DETECTORS SHALL BE A.C. POWERED, U.I. APPROVED, AND INISTALLED PER NPPA 14-1975.

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 AHRENNEIT AND SHALL BE CAPABLE OF OPERATING THE SYSTEMS HEATING AND COOLING SEQUENCES.

THE CONTRACTOR SHALL USE WATER RESISTANT DRYWALL AT ALL

SIGNED BY A REGISTERED ENGINEER IN THE STATE THE TRUSSES ARE TO BE ERECTED.
PROVIDE ALL PERMANENT TRUSS BRACING AS REQUIRED IN THE TRUSS PECSION BY THE TRUSS MANUFACTURER AND IN ADDITION, PROVIDE EMPORARY 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 HIPS 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 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 CONTRETE.

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 PERMISSIVLE 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 PROOR 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 RELIABLE TO THE PROJECT.

OSHA REGULATIONS: ATTENTION IS CALLED TO THE U.S. AND STATE OF ILLINOIS OCCUPATIONAL 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 ACTIVES 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 REGULATIONS
FEDERAL AND STATE OSHA LAWS AND REGULATIONS, THE LATTER SHALL PREVAIL, THE COST OF COMPULANCE
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 RESETTING 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

- PLUMBING CONTRACTOR SHALL SECURE AND PAY FOR ALL FEES AND PERMITS ASSOCIATED WITH HIS PORTION OF THE WORK.
- 2. WORK PLANS TO BE CONSIBERED 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.
- A ACCESSIBLE SHUTOFF VALVES TO BE PROVIDED FOR EACH TOILET ROOM AND EXTERIOR WALL HYDRATS.
 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
- 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.
- 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 CELLING PATCHING AND MODIFICATIONS TO BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- 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 LINDERGROUND FACILITIES STRUCTURES AND LITHTIES HAVE BEEN PLOTTED FROM AVAILABLE UNDERGROUND FAULTHES, STRUCTURES AND UTILITIES HAVE BEEN PLUTTED FROM WANDELDLE SURFEYS AND BECORDS 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 JULIE.
- 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 SUCURE 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.
- 4. BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER 600 VOLT INSULATION TYPE THIN/THWN, 8 AWG AND LARGER STRANDED CONDUCTOR, SMALLER THAN 8 AWG, SOLID CONDUCTOR ALL.
- 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, THERMAI, 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 FUSES SHALL BE MANUFACTURED BY BUSS, GOULD/ SHAWMUT OR CHALLENGER.
- 9. PANEL BOARDS SHALL BE MANUFACTURED BY CHALLENGER, GENERAL ELECTRIC. PANEL BOWDS SHOULD BE MONOTHINGED OF CHEETING.

 SOUARE D OF WESTINGHOUSE SHALL BE CONSTRUINED WITH COPPER BUS,

 EQUIPMENT GROUND BUS BONDED TO BOX, COMPRESSION TYPE MAIN AND NEUTRAL LUGS,

 TYPED CIRCUITO DIRECTORY REFLECTING FIAM. CIRCUITRY. FILLER PLATES FOR UNUSED SPACES AND MOUNTED 6'-2" ABOVE FINISHED FLOOR
- 10. WALL SWITCHES FOR LIGHTING CIRCUITS AND MOTOR LOADS UNDER 1/4 PSHALL BE
 A GENERAL USE SIMP SWITCH WITH TOGGLE HANDLE, RATED 20 AUPERES AND 120-271 VOLTS AC.
 SWITCHES SHALL BE STANADAD MORY PLASTIC. RECEPTACES SHALL HAVE TYPE 5-20R
 CONFIGURATION. GR RECEPTACLES SHALL BE DUPLEX WITH INTEGRAL GROUND FAULT
 CURRENT INTERPUTER RECEPTACLES SHALL BE STANADAD MORY PLASTIC.
 SWITCHES AND RECEPTACLES SHALL BE MANUFACTURED BY HUBBEL, LEVITON OR P&S.
 DEVICE PLATES SHALL BE STANADAD MORY SMOOTH PLASTIC AND MANUFACTURED BY
 HUBBELL, SIGRRA OR LEVITON. MOUNTING HEIGHTS APE AS FOLLOWS: LIGHT SWITCH AT 48" AFF. RECEPTACLE AT 18" AFF.
- 11. SHOP DRAWINGS WILL BE REQUIRED FOR LIGHT FIXTURES, WALL SWITCHES, RECEPTACLES, FGI RECEPTACLE AND DISCONNECT SWITCHES.
- 12. THIS CONTRACTOR SHALL COMPLETE ALL ELECTRICAL WORK AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY ALTERATIONS.

- on Mining design, protective methods, and materials shall be in accordance with NEC 1971 (NFFA No. 70-1971), Article 800, Communication Circuits, except that A) open wining an insulators (Article 320), 3) concealed knob-and-tube work (Article 324), C) nonmetallic sheathed cable (Article 356) shall not be used, D) all exposed wiring must be accessible for inspection and servicing, or installed in conduit, Class I 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.

 D) All interior wiring shall have a grounded conductor, except
- 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.

| FA | SECTION | COUNTY | TOTAL SHEET | NO. | 99-C0013-00-HP | JERSEY | 15 | 3 CONTRACT NO. 97262

ARCHITECT, LTD. 608 POPLAR STREET JERSEYMLE, ILLINOIS 62052 (618) 779-2740

JO

Graefon

- ALL RACE WAYS AND FITTINGS SHALL COMPLY WITH ANSI AND NEMS. CONDUITS IN SLAB OR EXPOSED IN DRY INTERIOR LOCATIONS SHALL BE FIRID CALVANIZED STEEL (ROS). MINIMUM SIZE CONDUIT SHALL BE 3/4", UNLESS NOTED.
- CONDUCTORS SHALL BE "12 AWG, UNLESS NOTED.
- JUNCTION BOXES INSTALLED INDOOR SHALL BE OF GALVANIZED STEEL FOR OUTDOOR AND WET LOCATIONS USE CAST ALUMINUM BOXES WITH NEOPPENE GASKET AND STAINLESS STE SCREWS.

- OPERABLE HANDLE INTERLOCATION OF PREVIOUS OF MINES SMITCH WITH EXISTENSIAL BE OSSIGNED TO ACCOMMODATE CASS R RUSES. FUSES SHALL BE CLASS RKI, DUAL ELEMENT, CUPPENT LUMING, ONE—TIME FUSE, 250 VOLT, AND HAVE AN INTERRUPTING RATING OF 200,000 RMS.

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 arrong 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

HARBOR
PROJECT
BUILDING
ATER STREET
NY, IL 62037 GRAFTON I MARINA P ESTROOM I 215 W. WATER GRAFTON, II RE

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DATE: 9/1/05

REVISED: 00/00/00

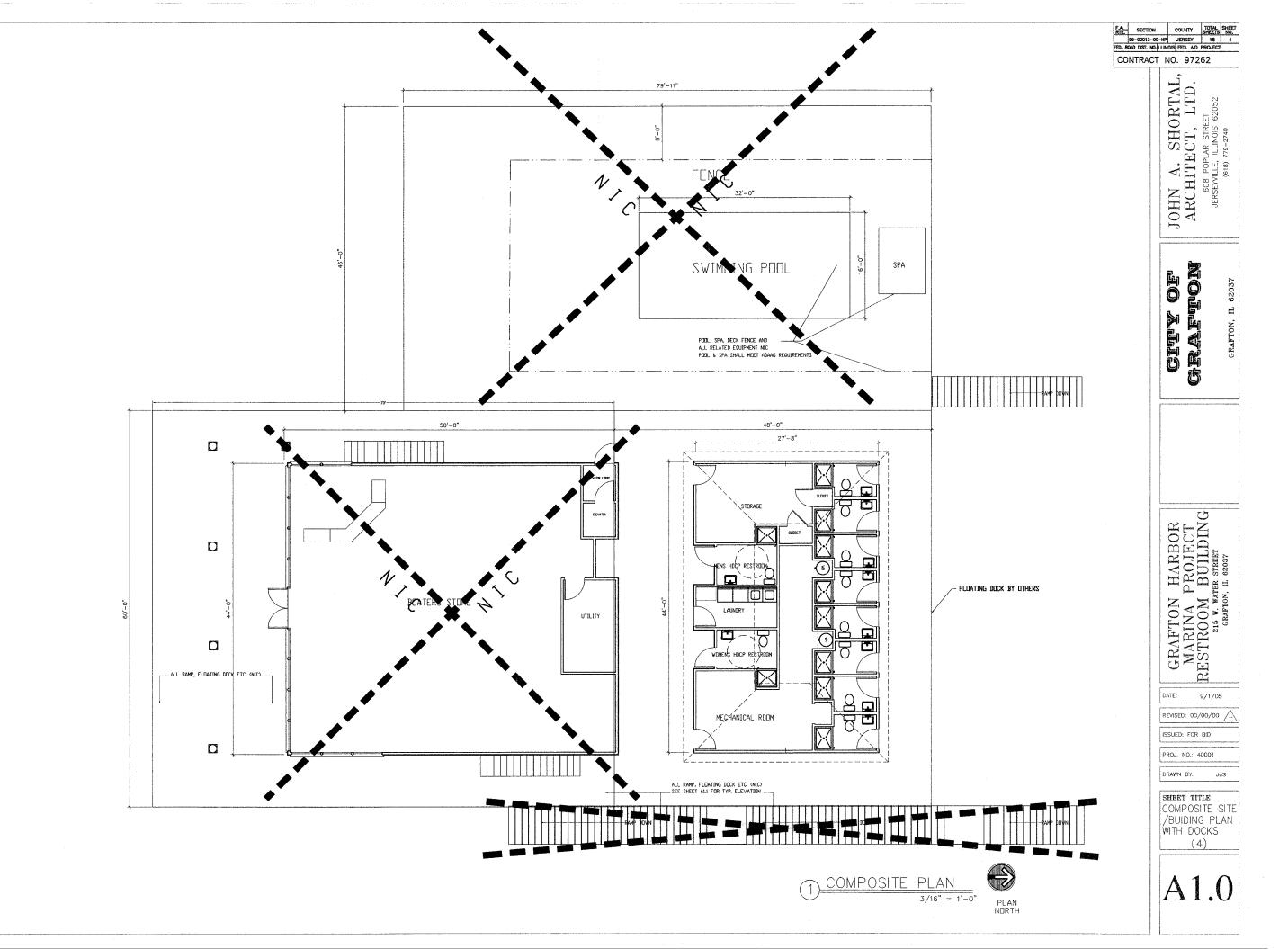
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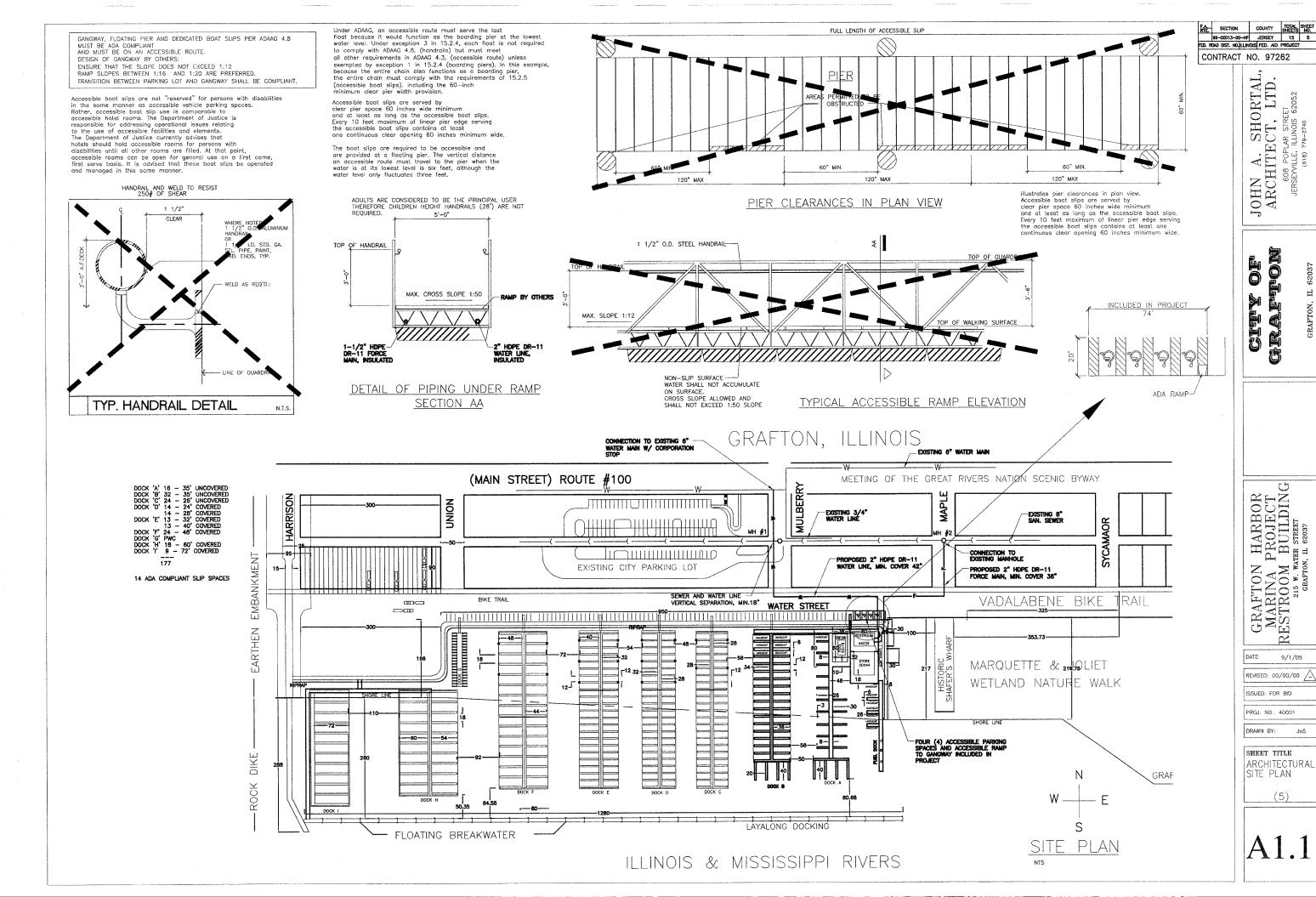
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SHEET TITLE GENERAL BUILDING SPECIFICATION

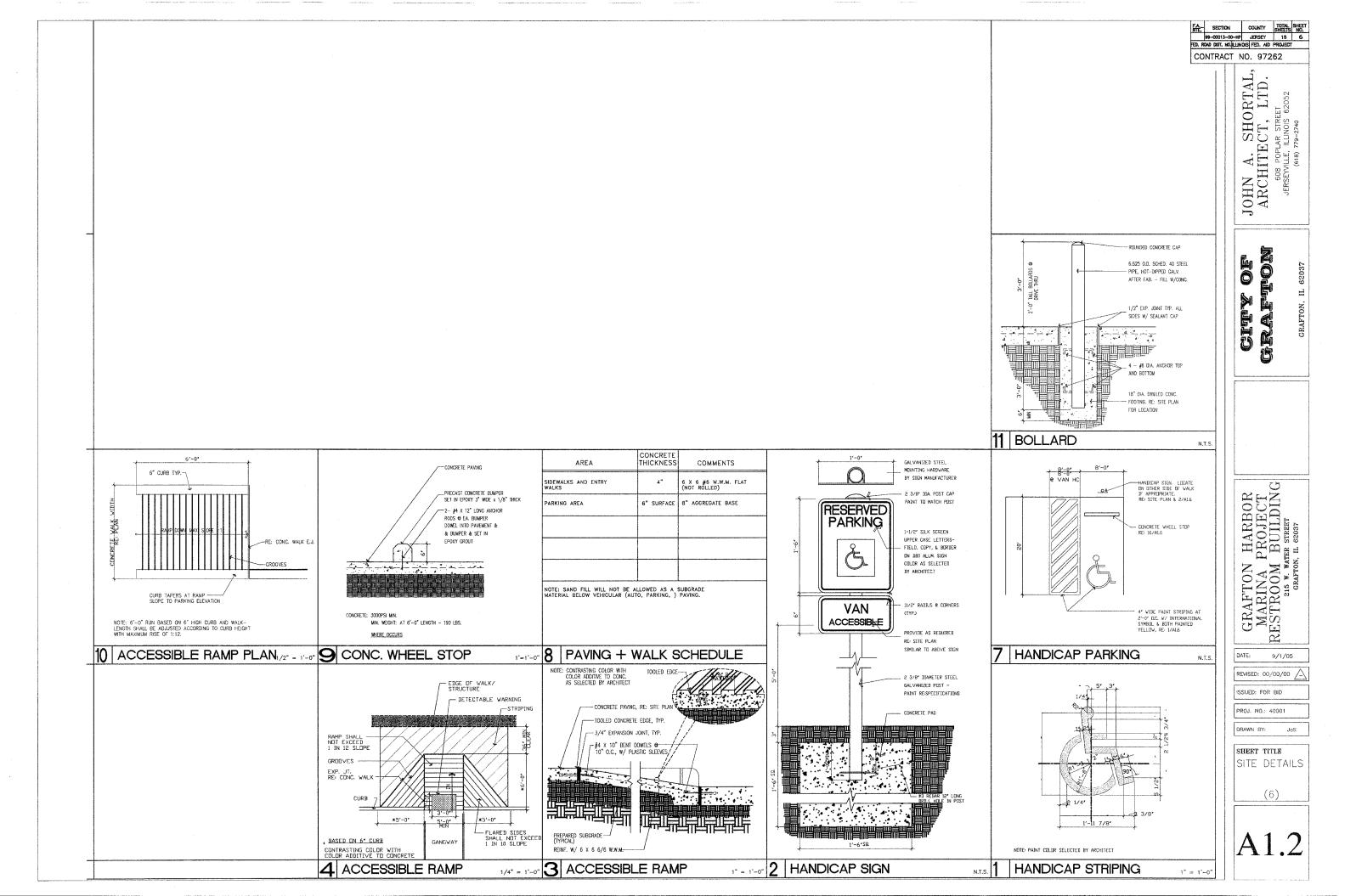
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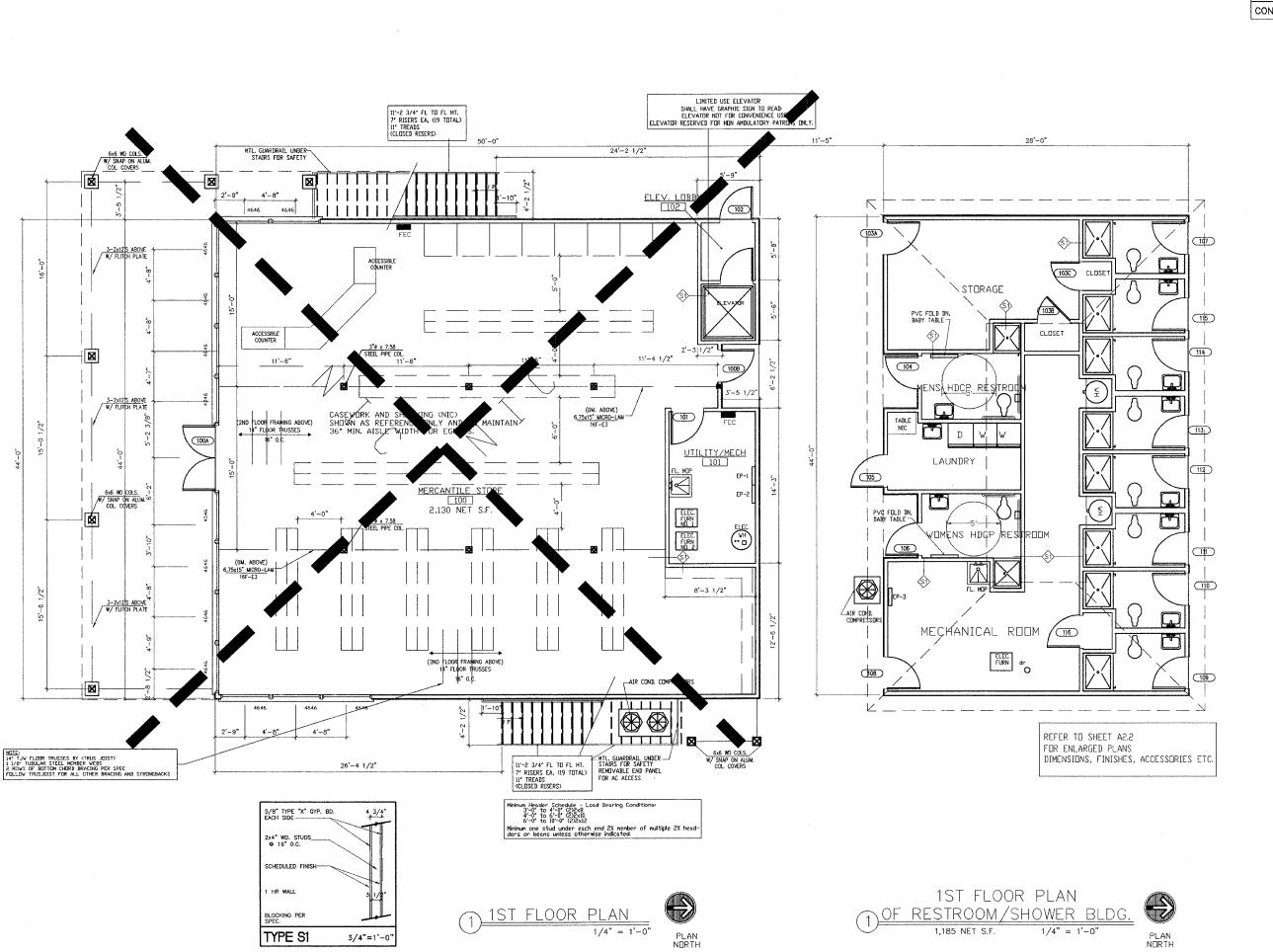
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JaS





CONTRACT NO. 97262

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

City of Graffon

GRAFTON HARBOR MARINA PROJECT RESTROOM BUILDING 215 W. WATER STREET GRAFTON, 11, 62037

E: 9/1/05

REVISED: 00/00/00

ISSUED: FOR BID

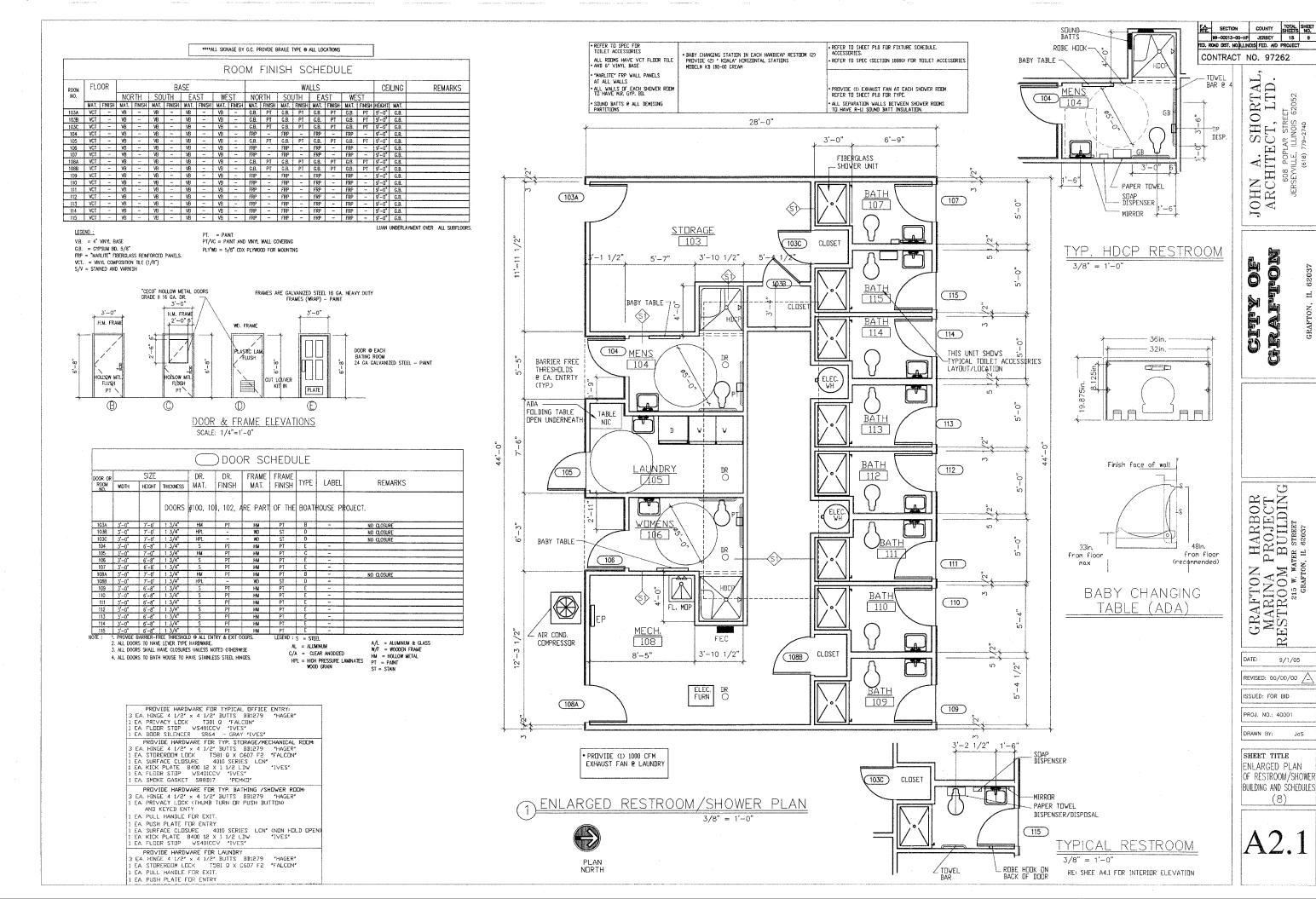
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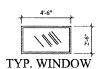
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FLOOR PLAN

(7)

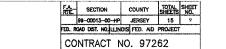
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ALL WINDOWS BY "WEATHERSHIELD, CARADCO OR ANDERSON MFG.) (ALUMINUM CLAD WINDOWS - COLOR TO BE SELECTED BY OWNERS.) WINDOW GLAZING SHALL BE A HARD COAT LOW-E WITH LOW SHGC WINDOW GLAZING SHALL DBL. GLAZED AND TEMPERED (1/2" GLAZING) 2 LAYERS OF 1/8"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

CONTRACTOR HAS OPTION TO GLAZE IN THESE WINDOW FRAMES WITH SAME GLAZING DESCRIBED ABOVE.



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GRAFTON

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

9/1/05 REVISED: 00/00/00 /

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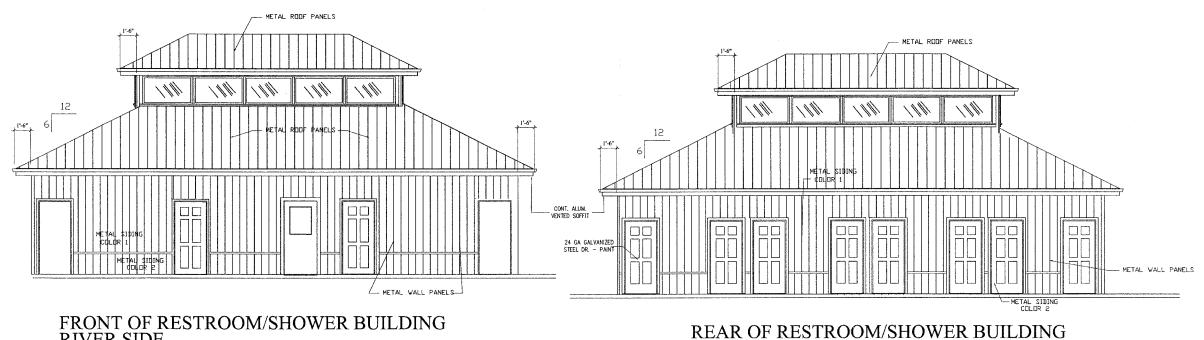
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SHEET TITLE EXTERIOR ELEVATIONS

(9)

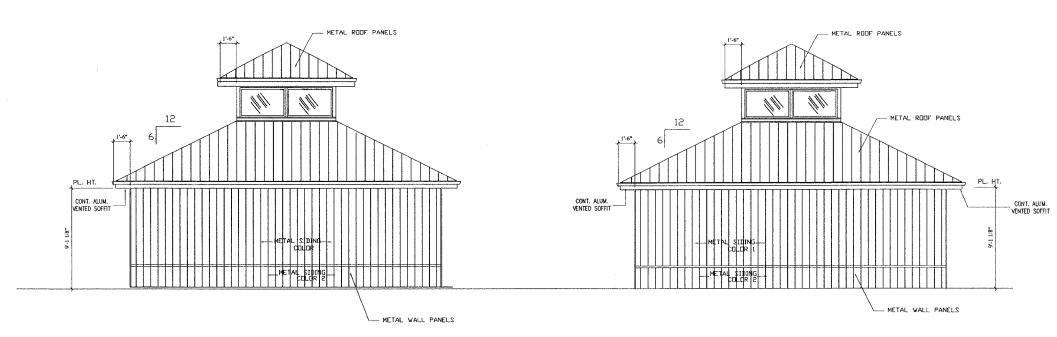
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FRONT OF RESTROOM/SHOWER BUILDING RIVER SIDE







RESTROOM/SHOWER BUILDING

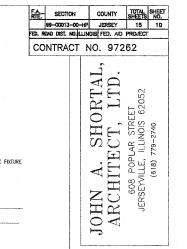


RESTROOM/SHOWER BUILDING

HIGHWAY SIDE



 $\underbrace{3} \underbrace{\mathsf{ELEVATIONS}}_{1/4" = 1'-0"}$

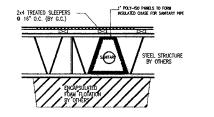




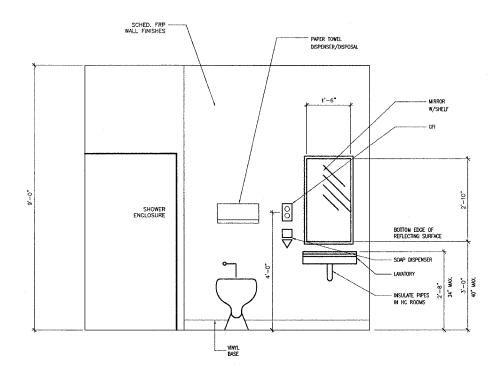
BUILDING SECTION

3/4" = 1'-0"

PIPING INSUL.) <u>IN ATTIC</u> SCALE: 1 "=1'-0"



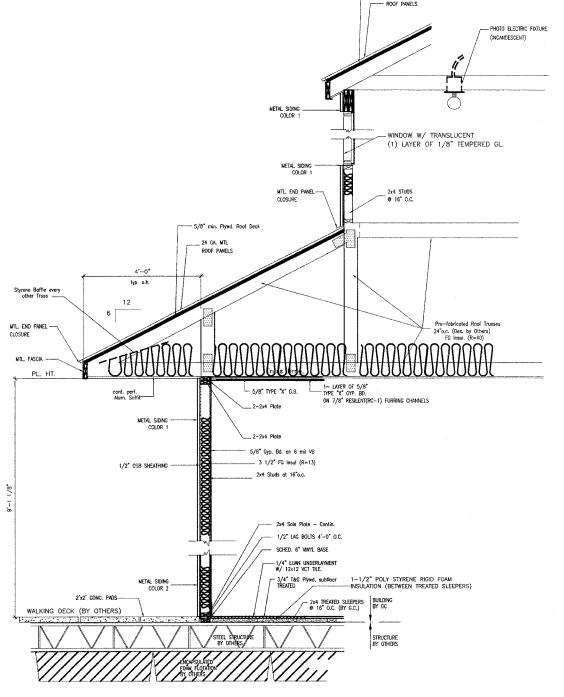




TYPICAL SHOWER ROOM

3/4" = 1'-0"

REFER TO SHEET "T" FOR FIXTURE MOUNTING HTS.



GRAFTON HARBOR MARINA PROJECT RESTROOM BUILDING 215 W. WATER STREET GRAFTON, 11, 62037 DATE: 9/1/05

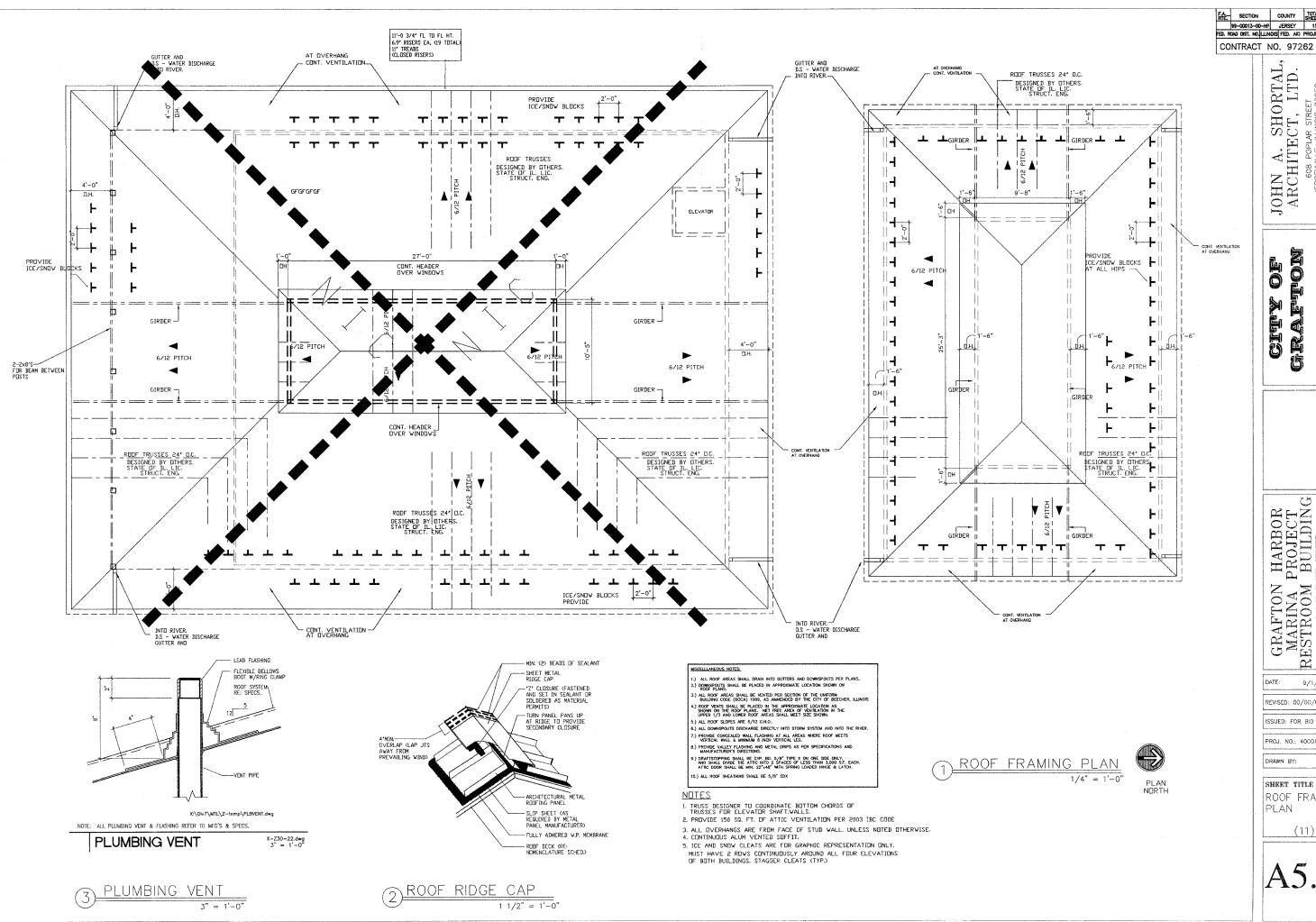
Gration Gration

REVISED: 00/00/00 /

ISSUED: FOR BID PROJ. NO.: 40001

DRAWN BY:

SHEET TITLE BLDG. SECTION ELEV. PLAN & DETAILS (10)



| SECTION | COUNTY | STOTAL SHEET | SH

CONTRACT NO. 97262

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

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

9/1/05

REVISED: 00/00/00 /

PROJ. NO.: 40001

DRAWN BY:

SHEET TITLE ROOF FRAMING IPLAN

(11)

A5.0

RIE SECTION COUNTY TOTAL SHEET NO. 99-00013-00-HP JERSEY 15 12 FED. ROAD DIST. NO. JULINOIS FED. AND PROJECT

CONTRACT NO. 97262

DEDICATED LOAD (EXHAUST FANS - 9 TOTAL)

15 AMP BREAKERS EACH

DEDICATED LOAD (DRYERS):

60 AMP BREAKERS EACH

40 AMP BREAKERS EACH LDAD 24 AMPS x (2) = 48 AMPS

DEDICATED LOAD (AIR CONDITINER):

LDAD: 24 AMPS x (2) = 48 AMPS

LOAD: 22 AMPS TOTAL

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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: JaS

SHEET TITLE LIGHTING

PLAN (12)

1. PROVIDE CONNECTION FOR DNE POWER DUTLET, DNE COMPUTER
POWER DUTLET, DNE VOICE LINE AND DNE DATA LINE PER DWNER LOCATION (STORAGE 103)

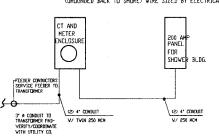
2. REFER TO OTHER SHEET AGO FOR ADDITIONAL SPECIFICATIONS.

3. COORDINATE ALL VOICE, POVER, 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: ALD)

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)

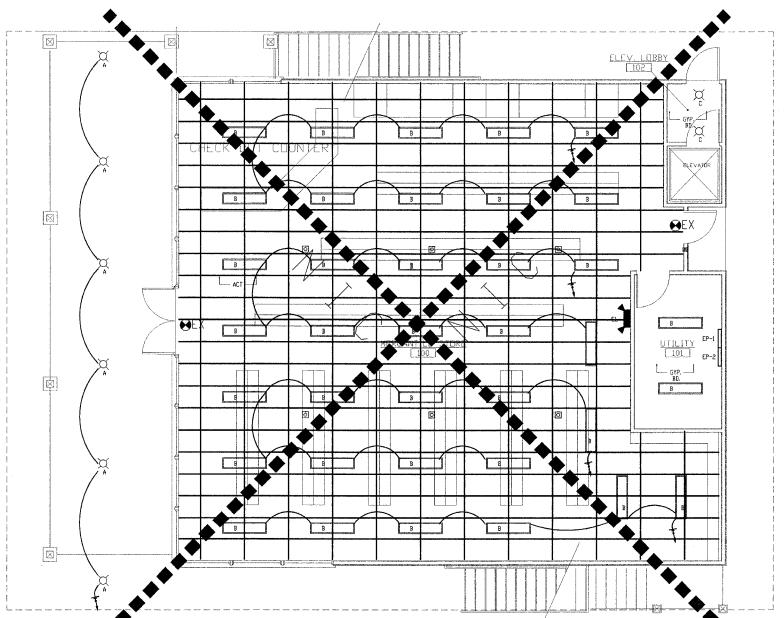


SERVICE: 200 AMP, 4 WIRE 120/208 V - 1 PHASE ELECTRIC PANEL RISER SERVICE : 200 AMP (1) 200 AMP

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

COMMON RECEPTACLE LOAD PROVIDE 15 AMP SPACES LDADI 1.5 VA PER S.F. OF FLOOR SPACE MAXIMUM 10 OUTLETS PER 15 AMP BREAKER 1.5 VA × 3970 S.F. (INCLUDES BOATHOUSE) = (5,632 VA /240) = 24 AMPERES

> TOTAL DEMAND LOAD: 160 AMPERES



_EGEND

2 LAMP 48' FLUDRESCENT FIXTURE (TB)

BATTERY BACKUP EMERGENCY LIGHTING.

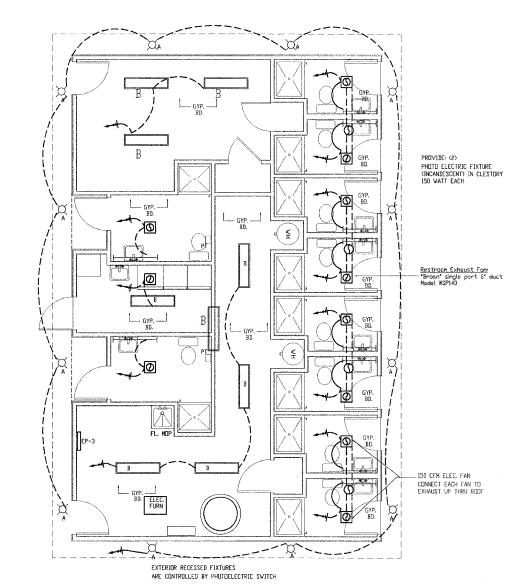
CLG. MTD. EXIT SIGN. - DR EQUAL.

"HEVILLIAMS" 1'x4" SURFACE MTD. FIXTURE 11-4-232-RA12125-EBR82-120 - DR EQUAL.

"HUBBELL" 8' 26 VATT "D42" COMPACT FLUDRESCENT DOWNLIGHT - DR EQUAL. LAMP: 26HPF TRIM FINISH: 4498SF (EXTERIOR SOFFIT V/ 13 FC @ 10'-0')

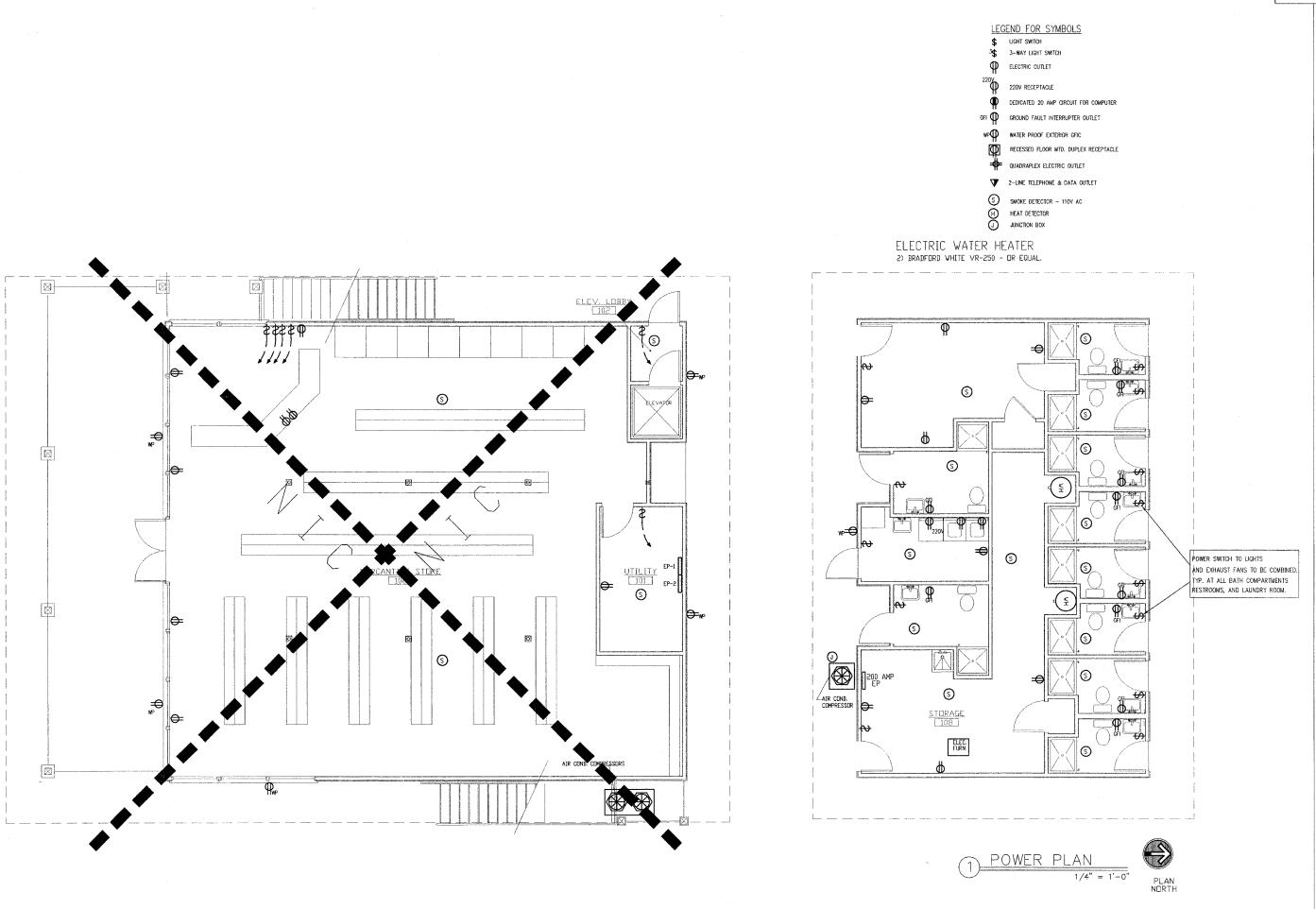
'PRESCOLITE' EMAX SERIES - WEDGE SHAPE, W/ 6W HALDGEN T 2 1/4 LAMPS, - DR EQUAL.

"PRESCOLITE" GC SERIES LED. - WHITE W/ 6" LETTERS SINGLE FACED VERSION.



LIGHTING PLAN

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CONTRACT NO. 97262

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

DATE: 9/1/05

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SHEET TITLE POWER PLAN

(13)

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

DATE: 9/1/05

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DRAWN BY:

SHEET TITLE MECHANICAL PLAN

(14)

M1.0

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



HVAC SCHEDULE

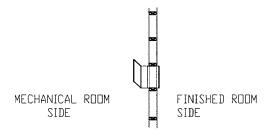
- 1) 'GOODMAN' MODEL #GMNT 120-5 GAS FURNACES OR EQUAL 110,000 BTUH GAS OUTPUT 92.6 DDE/AFUE (1) 'JANITROL' MODEL #U62 INDOOR A-COIL & INSULATED COIL BOXES.

- (1) 'JANITROL' MODEL #OBE INDOOR A-COLL & INSOLATED COLL BOXES.

 (1) 'JANITROL' MODEL #CKJ60-1 DUTDOOR CENTRAL AIRS DR EQUAL

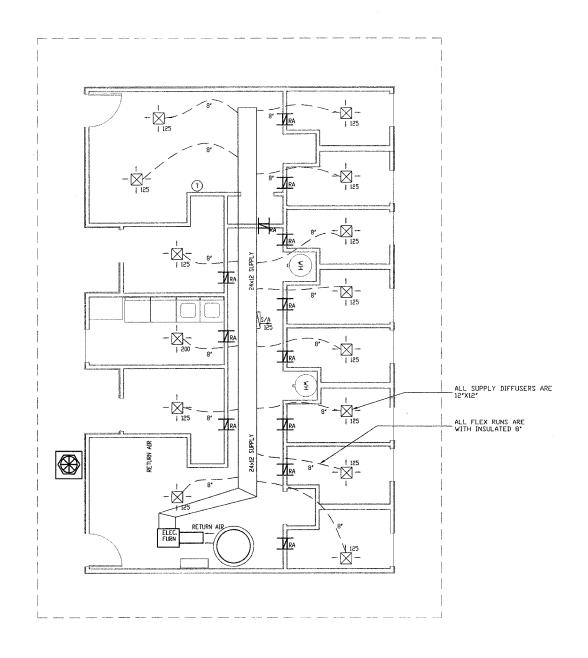
 (1) COPPER TUBING LINE SET 3/8' AND 7/8' LIQUID AND SUCTION CONNECTIONS.

 (1) HEAT/CODL DIGITAL THERMOSTAT W/ PROGRAMMABLE ECONOMIZER CYCLES AND LOCKBOX.

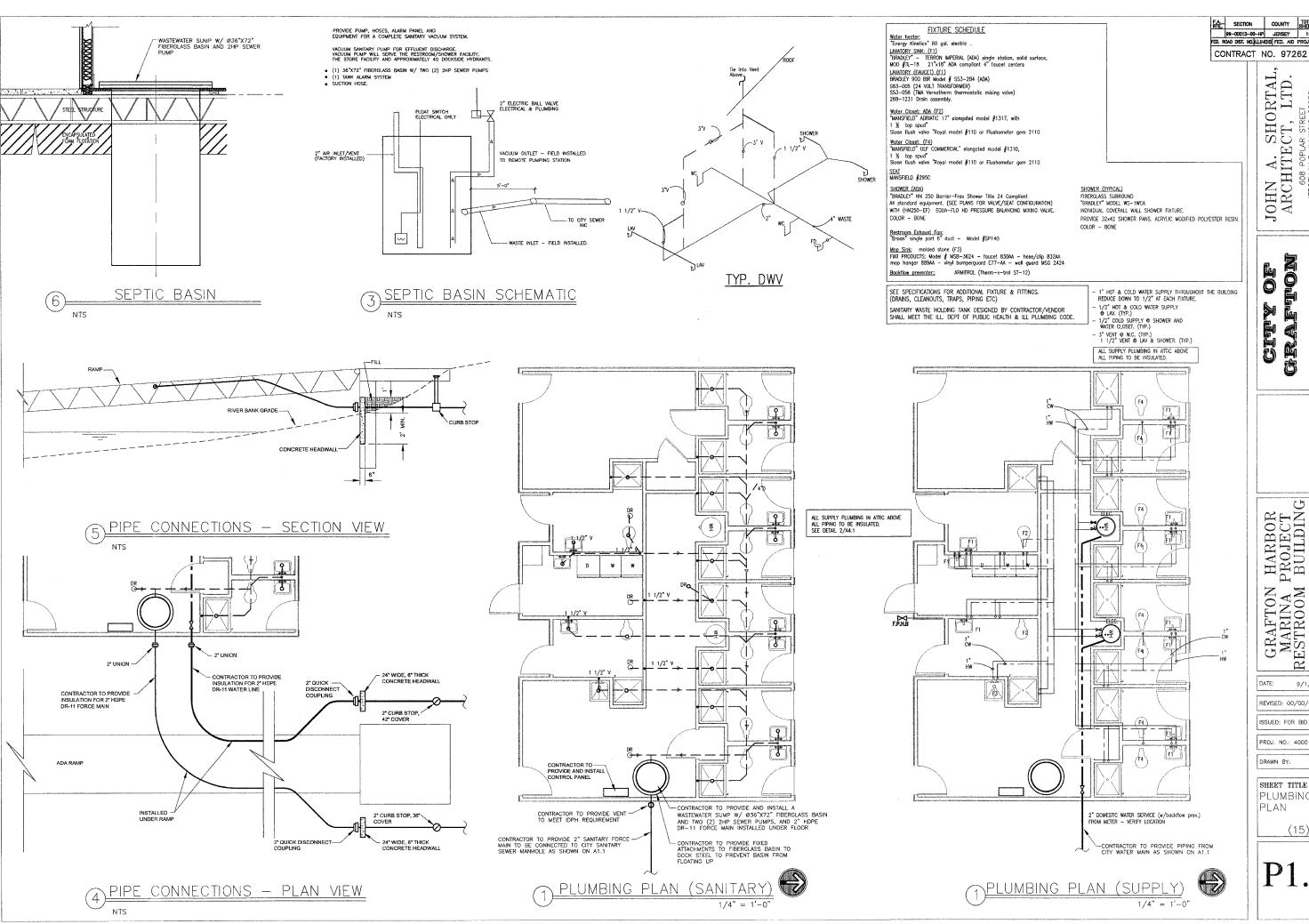


PLAN VIEW

RETURN AIR GRILLES ARE: TRANSFER "Z" GRILLE @ 8'-4" CEILING HT.







RTE. SECTION COUNTY TOTAL SHEET NO. 99-00013-00-HP JERSEY 15 15 FED. ROAD DIST. NO ILLINOIS FED. AID PROJECT

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9/1/05

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DRAWN BY:

SHEET TITLE PLUMBING PLAN

(15)

P1.0