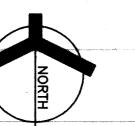
UNIT "F" PLUMBING FOUNDATION PLAN SCALE 1/8" = 1'-0"





- SEE SHEET P-001 FOR GENERAL PLUMBING NOTES, LEGEND, SCHEDULES AND DETAILS.
- 3. PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY FLOOR/WALL CUTTING REQUIRED TO MODIFY AND/OR INSTALL PIPING AS SHOWN. PLUMBING CONTRACTOR IS ALSO RESPONSIBLE FOR ALL NECESSARY FLOOR/WALL REPAIR AFTER WORK IS COMPLETED. ALL FLOOR/WALL REPAIR MUST MATCH EXISTING AND BE FINISHED AND READY FOR NEW FLOOR/WALL FINISHES.

## **PLAN NOTES:**

- 1) EXISTING FLOOR DRAIN TO REMAIN.
- (2) 2"W UP TO SERVE NEW SINK.
- (3) CONNECT NEW 2"W TO EXISTING 4"W AT THIS POINT.
- (4) NEW 2"W UP TO SERVE URINAL.
- (5) NEW 2"W UP TO SERVE FLOOR DRAIN.
- (6) CONNECT NEW 4"W TO EXISTING 4"W AT THIS POINT.
- (7) NEW 4"W UP IN CHASE TO SERVE WATER CLOSETS.
- (8) TRENCH TYPE SHOWER DRAIN.
- (9) NEW FLOOR DRAIN.
- (10) NEW 4"W UP TO SERVE WATER CLOSET.
- (11) 3"W CONNECTION TO TRENCH DRAIN.
- (12) CAPPED EXISTING WASTE. SEE PLUMBING DEMOLITION PLAN PD-101.
- (13) EXISTING WASTE LINES SERVING EXISTING FIXTURES TO REMAIN SHALL REMAIN IN SERVICE.
- (14) EXISTING 6" STORM DS TO REMAIN.
- (15) EXISTING 4" STORM DS TO REMAIN.
- 16) NEW FLOOR DRAIN. CONNECT TO EXISTING DRAIN LINE UNDERFLOOR.
- (17) 2"V UP.

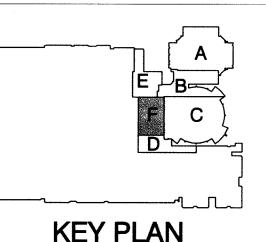


**GIBRALTAR** 

**DESIGN ARCHITECTURE • ENGINEERING • INTERIOR DESIGN** 

PROJECT RENOVATION OF **EXISTING BOYS AND** GIRLS P.E. LOCKER **ROOMS AT** LCHS AND RELATED WORK

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA



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08-612

01-09-09

REVISIONS MARK DATE ISSUED FOR 8-17-10 AS-BUILT - GREINER BROTHERS INC.

DRAWING UNIT "F" PLUMBING **FOUNDATION PLAN** 

PROJECT
RENOVATION OF EXISTING BOYS' & GIRLS' PE LOCKER ROOMS & RELATED AREAS

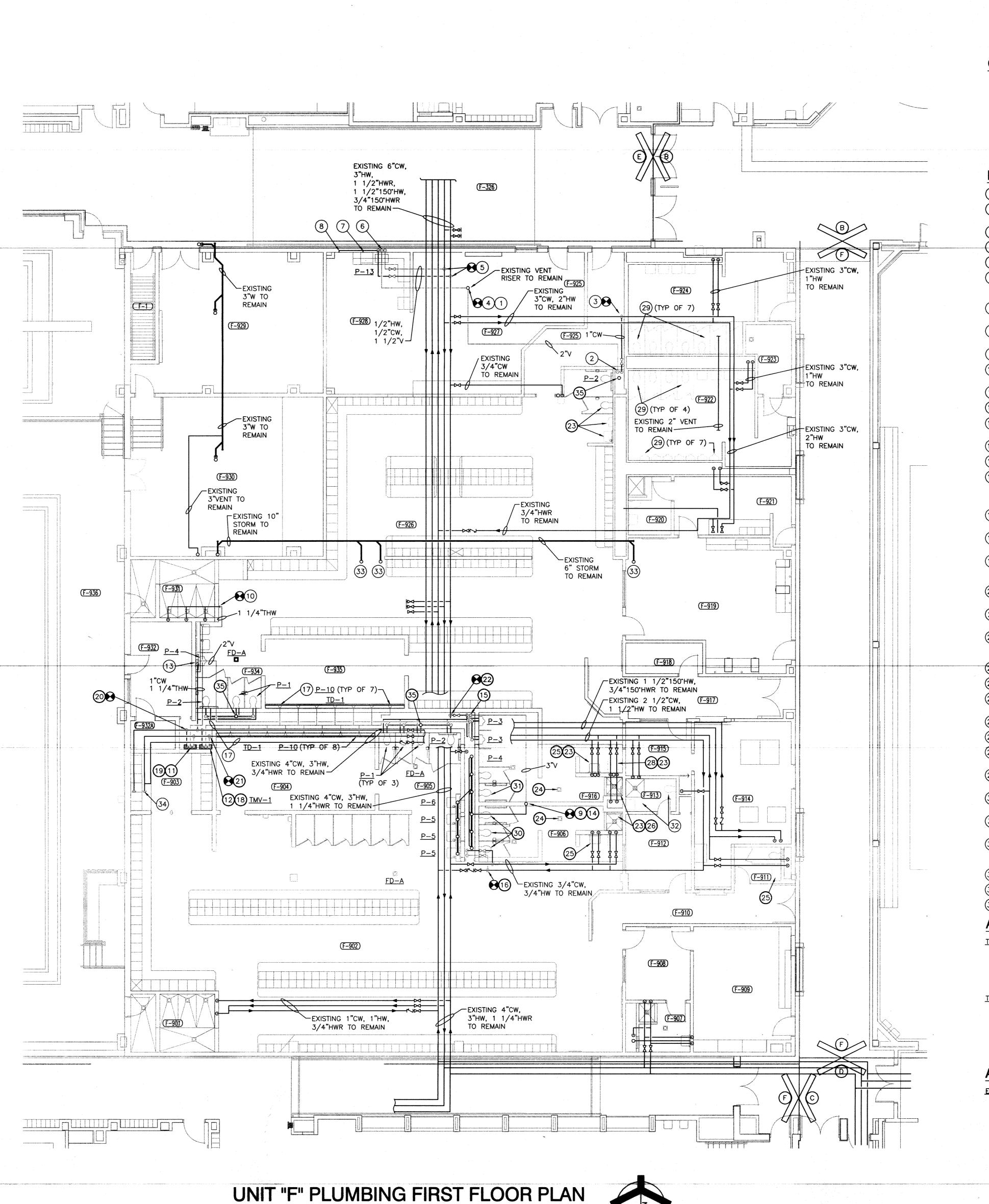
WORK ON THESE DRAWINGS IS TYPICALLY SPECIFIED IN THE SPECIFICATIONS FOR PROJECT NUMBER 08-612. REFERENCE THAT DOCUMENT FOR THE MAJORITY OF THE WORK. ADDITIONAL SPECIFICATION SECTIONS HAVE BEEN ADDED FOR WORK THAT IS NOT COVERED THEREIN.

GENERAL NOTE:

GREINER BROTHERS INC.

PROJECT RECORD DOCUMENT

DATE: 8-17-10



SCALE 1/8" = 1'-0"

**GENERAL PLUMBING NOTES:** 

- SEE SHEET P-001 FOR GENERAL PLUMBING NOTES, LEGEND, SCHEDULES AND DETAILS.
- 2. PIPING SHOWN BUT NOT NOTED IS EXISTING AND SHALL REMAIN IN
- 3. PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY FLOOR/WALL CUTTING REQUIRED TO MODIFY AND/OR INSTALL PIPING AS SHOWN. PLUMBING CONTRACTOR IS ALSO RESPONSIBLE FOR ALL NECESSARY FLOOR/WALL REPAIR AFTER WORK IS COMPLETED. ALL FLOOR/WALL REPAIR MUST MATCH EXISTING AND BE FINISHED AND READY FOR NEW FLOOR/WALL FINISHES.

### **GENERAL FIRE PROTECTION NOTES:**

- COORDINATE ANY NECESSARY MODIFICATIONS TO THE EXISTING FIRE PROTECTION PIPING, REROUTING OF MAINS AND / OR BRANCHES, RELOCATION OF HEADS, OR ADDITION OF NEW BRANCHES AND / OR HEADS WITH ARCHITECTURAL REFLECTED CEILING PLANS, ELECTRICAL LIGHTING PLANS AND EXISTING SPECIFICATIONS.
- 2. THE ORIGINAL JOB SPECIFICATION SHALL BE USED TO DETERMINE DESIGN PARAMETERS, QUALITY, AND REQUIREMENTS OF ANY MODIFICATIONS TO THE EXISTING FIRE PROTECTION SYSTEM. REFER TO SPECIFICATION SECTIONS: 15310, 15320, 15330.

#### **PLAN NOTES:**

- 1) CONNECT NEW 2" VENT TO EXISTING VENT RISER AT THIS POINT.
- 2 1"CW, 2" VENT DOWN IN CHASE TO SERVE NEW WATER CLOSET. CONNECT 1"CW, 2"V, 4"W TO WATER CLOSET.
- (3) CONNECT NEW 1"CW TO EXISTING 3"CW AT THIS POINT.
- (4) connect new 1 1/2" vent to existing vent riser at this point.
- (5) CONNECT NEW 3/4"CW, 1/2"HW TO EXISTING 6"CW, 3"HW AT THIS POINT.
- 6 3/4"CW, 1/2"HW, 1 1/2"V DOWN IN WALL TO SERVE NEW KITCHEN SINK. CONNECT 1/2"CW, 1/2"HW, 1 1/2"V, 1 1/2"W TO SINK. SINK, TRIM AND ACCESSORIES BY OTHERS. ALL COMPONENTS INSTALLED BY PLUMBING CONTRACTOR.
- 7) EXTEND 1/2"CW IN CASEWORK TO NEW ICE MAKER BOX SERVING REFRIGERATOR ICE MAKER. FINAL CONNECTIONS ALSO BY PLUMBING CONTRACTOR. 8 EXTEND 1/2"CW, 1/2"HW IN CASEWORK TO DISHWASHER. CONNECT DISHWASHER DRAIN
- (9) EXISTING VENT THRU ROOF TO REMAIN.
- 10 CONNECT NEW 1 1/4"THW FROM RELOCATED THERMOSTATIC MIXING VALVE TO EXISTING 1 1/4"THW SERVING EXISTING SHOWERS.
- (11) RELOCATED THERMOSTATIC MIXING VALVE.
- (12) NEW THERMOSTATIC MIXING VALVE SERVING NEW SHOWERS.
- (13) 3/4"CW, 2"VENT DOWN TO SERVE NEW URINAL. CONNECT 3/4"CW, 2"V, 2"W TO
- (14) CONNECT NEW 3"VENT TO EXISTING 4" VENT THRU ROOF.
- (15) DROP NEW 3" VENT IN CHASE TO SERVE WATER CLOSETS AND URINALS.
- 16) DROP NEW 3/4"CW, 3/4"HW TO SERVE LAVATORIES. CONNECT 1/2"CW, 1/2"HW, 1/2"V, 1 1/2"W TO EACH LAVATORY. CONNECT TO EXISTING VENT AND WASTE IN EXISTING CHASE. REMOVE EXISTING CHASE WALL AS REQUIRED TO ACCESS EXISTING
- (17) RUN 2" TEMPERED HOT WATER IN CHASE TO SERVE SHOWERS. CONNECT 1/2"THW TO
- (18) DROP 1 1/4"CW, 1 1/4"HW TO MIXING VALVE. 2"THW HEADER FROM MIXING VALVE TO SERVE NEW SHOWERS.
- 19 DROP 1"CW, 1"HW TO RELOCATED MIXING VALVE. 1 1/4"THW FROM MIXING VALVE OUT TO SERVE EXISTING SHOWERS. RECONNECT TO EXISTING 1 1/4" THW LINE. SEE PLAN
- 20 CONNECT NEW 1"CW, 1"HW SERVING RELOCATED MIXING VALVE TO EXISTING 4"CW, 3"HW AT THIS POINT.
- (21) CONNECT NEW 1 1/4"CW, 1 1/4"HW SERVING NEW MIXING VALVE TO EXISTING 4"CW, 3"HW AT THIS POINT.
- (22) CONNECT NEW 2"CW TO EXISTING 4"CW AT THIS POINT. RUN 2" HEADER IN CHASE TO SERVE WATER CLOSETS AND URINALS. CONNECT 1"CW, 2"VENT, 4"WASTE TO WC, CONNECT 3/4"CW, 2"VENT, 2"WASTE TO URINAL.
- (23) EXISTING FIXTURE TO REMAIN.
- (24) EXISTING FLOOR DRAIN TO REMAIN.
- (25) REPLACE ESCUTCHOENS ON DRAIN AND WATER SUPPLIES. REPLACE AERATOR ON FAUCET SPOUT, SUPPLIES AND SUPPLY STOPS.
- (26) REPLACE WALL HANGER FOR HANDHELD SHOWER.
- (27) REPLACE GRATE ON EXISTING FLOOR DRAIN.
- (28) REPLACE ESCUTCHOENS ON DRAIN AND WATER SUPPLIES. REPLACE FAUCET SPOUT, SUPPLIES AND SUPPLY STOPS.
- (29) REPLACE EXISTING MANUAL FLUSH VALVE WITH ELECTRONIC TYPE FLUSH VALVE UNDER ALTERNATE BID. SEE FLUSH VALVE SPECIFICATION BELOW.
- 30 REPAIR / REPLACE EXISTING TOILET SEAT AS REQUIRED. SEAT TO BE ANCHORED SECURLEY AND ALIGNED PROPERLY.
- (31) REALIGN WATER CLOSET ON CARRIER AND AND REALIGN FLUSH VALVE TO WATER CLOSET AND SUPPLY.
- (32) INSPECT EXISTING WATER CLOSET, LAVATORY AND SHOWER N THIS ROOM AND MAKE FIXTURES SERVICABLE. REPAIR / REPLACE CPMPONENTS AS NECESSARY TO MAKE OPERATIONAL.
- (33) EXISTING STORM RISER UP TO REMAIN.
- (34) CAPPED EXISTING COLD AND HOT WATER RANCHES.
- 35) 4" WASTE DOWN.

## ADDITIONAL EQUIPMENT (NOT IN SPECIFICATION)

- TRENCH TYPE SHOWER DRAINS TO BE POLYDRAIN. CHANNELS SHALL HAVE INTERLOCKING JOINTS AND HORIZONTAL ANCHORING RIBS FOR POSITIVE ENCASEMENT IN CONCRETE SLAB. SECTIONS SHALL BE PRESLOPED TO DRAIN OUTLETS AS SHOWN ON PLANS. GRATES SHALL BE PERFORATED, HEEL PROOF TYPE ON 18-8 STAINLESS STEEL. PROVIDE ALL NECESSARY HARDWARE FOR ANCHORING, INSTALLATION AND GRATE ATTACHMENT AS RECOMMENDED BY MANUFACTURER.
- THERMOSTATIC MIXING VALVE TO BE LAWLER 804 MODEL NUMBER 86306 WITH LIQUID FILLED THERMAL MOTOR. VALVE TO BE BRONZE CONSTRUCTION WITH SLIDING PISTON AND STAINLESS STEEL SLEEVE LINER. UNIT SHALL INCLUDE UNION END STOP AND CHECK INLETS WITH REMOVABLE STAINLESS STEEL STRAINERS. VALVE SHALL CONTROL TEMPERATURE FROM A LOW FLOW OF 4 GPM. UNIT TO INCLUDE DIAL THERMOMETER, SHUT OFF VALVE AND UNION ON TEMPERED WATER OUTLET. UNIT SHALL ALSO BE COMPLETE WITH ALL NIPPLES, FITTINGS, ESCUTCHOENS, AND STAINLESS STEEL CABINET WITH PIPE OPENINGS THROUGH TOP OF CABINET.

# **ALTERNATE EQUIPMENT: (EXISTING RESTROOMS F-922 & F-924)**

**GREINER BROTHERS INC.** 

PROJECT RECORD DOCUMENT

DATE: 8-17-10

- BID AS ALTERNATE: RETRO TYPE ELECTRONIC FLUSH VALVES TO REPLACE MANUAL FLUSH VALVES IN EXISTING RESTROOMS F922 AND F924. PROVIDE SLOAN MODEL G2 OPTIMA ELECTRONIC FLUSH VALVES FOR WATER CLOSETS AND URINALS. NEW ELECTRONIC VALVES SHALL BE HANDS FREE, BATTERY OPERATED TYPE AND SHALL REPLACE EXISTING SLOAN MANUAL TYPE FLUSH VALVES. PLUMBING CONTRACTOR SHALL PROVIDE ALL NECESSARY PARTS, ACCESSORIES AND HARDWARE FOR A COMPLETE AND
- ALSO AS PART OF BID ALTERNATE, PROVIDE ELECTRONIC FLUSH VALVES ON ALL NEW WATER CLOSETS AND URINALS IN LOCKER ROOMS AS DESCRIBED IN ORIGINAL SPECIFICATION FOR EACH FIXTURE TYPE.

**ROOM SCHEDULE** 

POOL SHOWER
GIRLS LOCKER ROOM SWIM LOCKERS GIRLS SHOWER/ DRY

PASSAGE BOYS LOCKER ROOM

MECHANICAL POOL EQUIPMENT ROOM

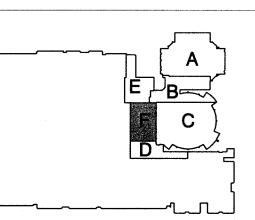
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**DESIGN** 

ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

RENOVATION OF EXISTING **BOYS AND** GIRLS P.E. LOCKER **ROOMS AT** LCHS AND RELATED **WORK** 

LAWRENCE CENTRAL HIGH SCHOOL MSD LAWRENCE TOWNSHIP INDIANAPOLIS, INDIANA



**KEY PLAN** 

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**REVISIONS** 

MARK DATE ISSUED FOR 8-17-10 AS-BUILT - GREINER BROTHERS INC

**UNIT "F" PLUMBING FIRST** 

**RENOVATION OF EXISTING BOYS' & GIRLS' PE LOCKER ROOMS &** 

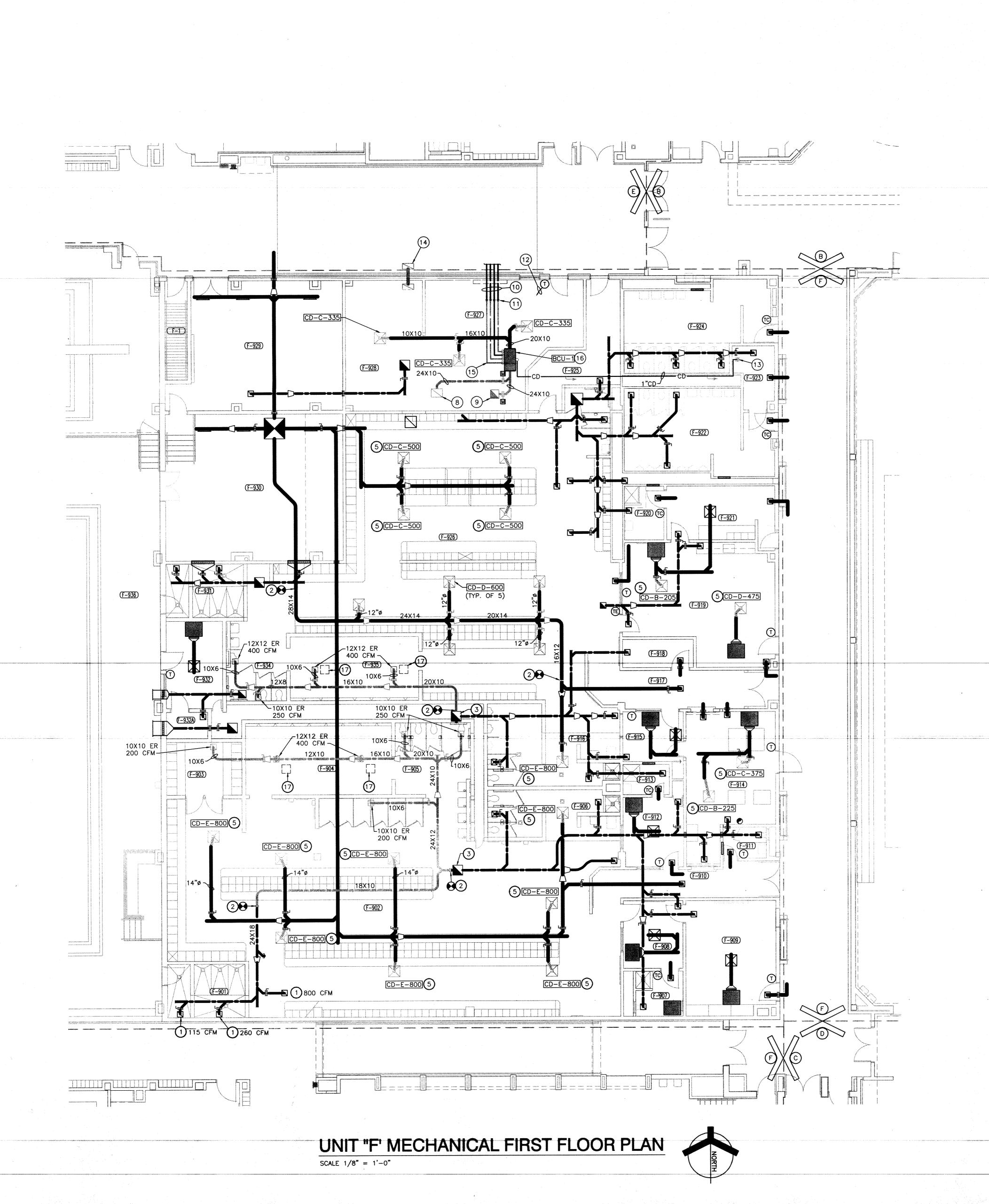
**RELATED AREAS** 

FLOOR PLAN

SHEET C GIBRALTAR DESIGN

**GENERAL NOTE:** 

WORK ON THESE DRAWINGS IS TYPICALLY SPECIFIED IN THE SPECIFICATIONS FOR PROJECT NUMBER 08-612. REFERENCE THAT DOCUMENT FOR THE MAJORITY OF THE WORK. ADDITIONAL SPECIFICATION SECTIONS HAVE BEEN ADDED FOR WORK THAT IS NOT COVERED THEREIN.



1) RE-INSTALL EXHAUST REGISTER IN NEW LAY-IN CEILING AND REBALANCE TO AIR QUANTITY INDICATED.

2 CONNECT NEW EXHAUST DUCT TO EXISTING EXHAUST SYSTEM AT THIS POINT.

ROOM SCHEDULE

PASSAGE
BOYS LOCKER ROOM
HOSPITALITY
KITCHEN

(3) EXISTING EXHAUST FAN TO REMAIN.

(4) CAP EXISTING EXHAUST DUCT AT THIS POINT.

5 PROVIDE AND INSTALL A NEW SUPPLY DIFFUSER AND FLEXIBLE DUCT.
DIFFUSER TO BE INSTALLED IN LAY-IN CEILING.

6 CONNECT NEW 28"X14" SUPPLY DUCT TO EXISTING SUPPLY DUCT AT THIS POINT.

(7) EXISTING SUPPLY DUCTWORK TO REMAIN.

(11) CONNECT NEW 1"CH&CHR, 1"S&R PIPING TO EXISTING AT THIS POINT.

(13) TERMINATE 1"PVC CONDENSATE DRAIN LINE OVER FLOOR DRAIN IN

24"X12" TRANSFER AIR GRILLE IN CEILING, EACH SIDE OF WALL AND A 24"X8" DUCT BETWEEN.

(15) 1"CH&CHR, 1"S&R TO BLOWER COIL UNIT.

(16) BLOWER COIL UNIT TO BE A TRANE MODEL NO. BCHB-30 HORIZONTAL DRAW THRU TYPE, 1000CFM, MINIMUM OUTDOOR AIR 200 CFM, EXT. STATIC PRESSURE 1.5" TOTAL COOLING CAPACITY 30.0MBH, 8.0GPM, TOTAL HEATING CAPACITY 40.0 MBH, 5.0 GPM, 3/4 HP FAN MOTOR, 115 VOLTS, 1 PHASE. UNIT TO HAVE 2" THROW AWAY FILTERS, FACTORY INSTALLED DISCONNECT SWITCH, PROVIDE COMPLETE

(18) ALL SHOWER DUCTWORK TO BE ALUMINUM CONSTRUCTION.

**PLAN NOTES:** 

(8) 24"X18" RETURN AIR REGISTER 1000 CFM.

9 18"X18" DUCT UP TO 18" OUTDOOR AIR INTAKE ON ROOF. PROVIDE NEW ROOF OPENING, ROOF CURB, PATCH AND REPAIR ROOF AS REQUIRED.

(10) EXISTING S&R, CH&CHR PIPING TO REMAIN.

(12) provide New Thermostat to control blower coil unit.

ECONOMIZER CONTROLS.

(17) ACCESS DOOR BY THE G.C.

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PROJECT

**RENOVATION OF** 

**EXISTING** 

**BOYS AND** 

GIRLS P.E.

**ROOMS AT** 

LCHS AND

LAWRENCE CENTRAL HIGH SCHOOL

RELATED

MSD LAWRENCE TOWNSHIP

INDIANAPOLIS, INDIANA

WORK

LOCKER

**KEY PLAN** 

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8-17-10 AS-BUILT - GREINER BROTHERS INC.

UNIT "F" MECHANICAL FIRST FLOOR PLAN

RENOVATION OF EXISTING BOYS' & GIRLS' PE LOCKER ROOMS & RELATED AREAS

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SCHEDULES WHICH APPLY TO THE WORK INICATED ON THIS DRAWING.

GREINER BROTHERS INC.

DATE: 8-17-10

PROJECT RECORD DOCUMENT