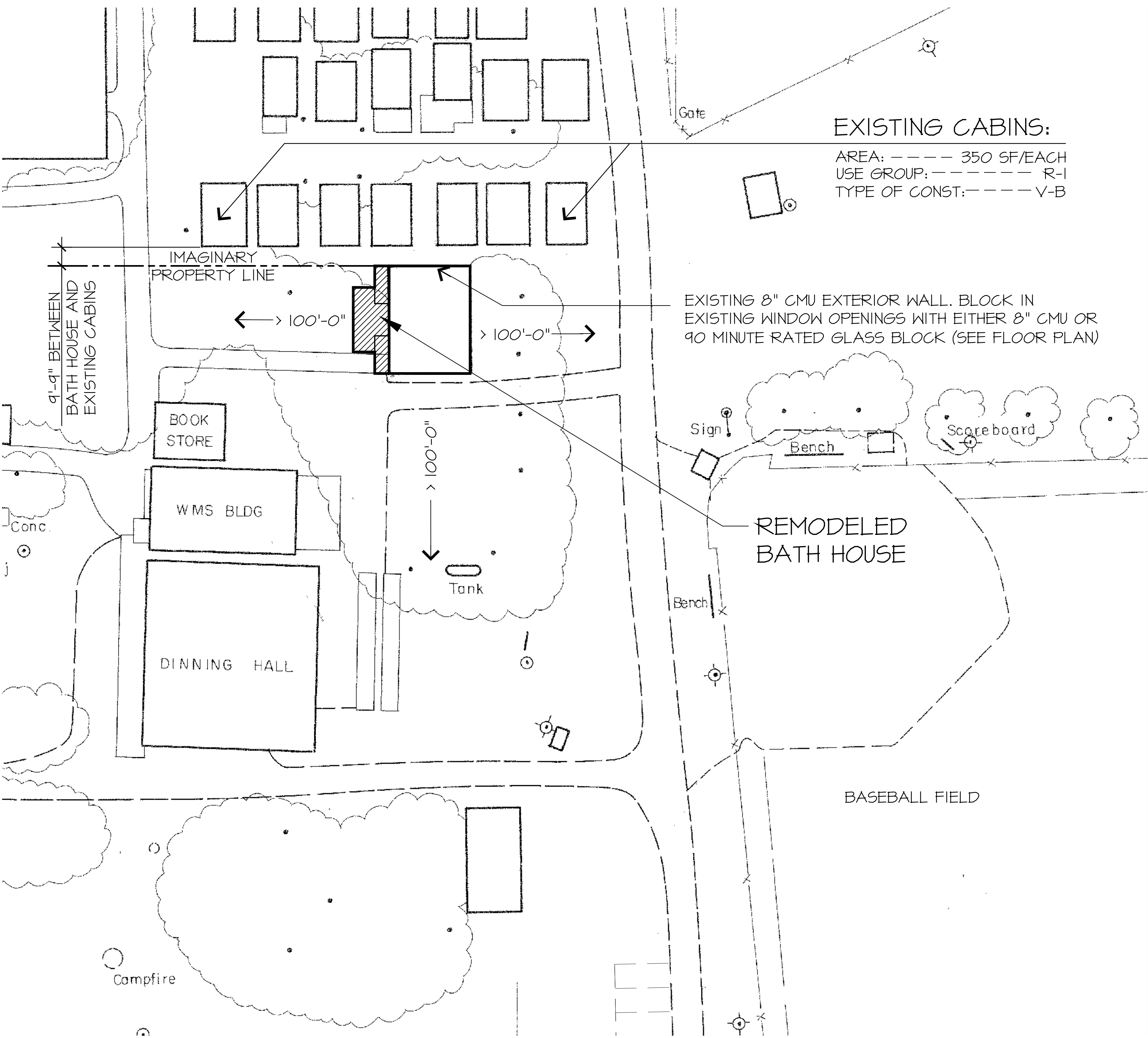


# PRAIRIE CAMP BATH HOUSE RENOVATIONS

63526 COUNTY ROAD 9

GOSHEN, INDIANA 46526



## EXISTING CABINS:

AREA: ----- 350 SF/EACH  
USE GROUP: ----- R-1  
TYPE OF CONST: ----- V-B

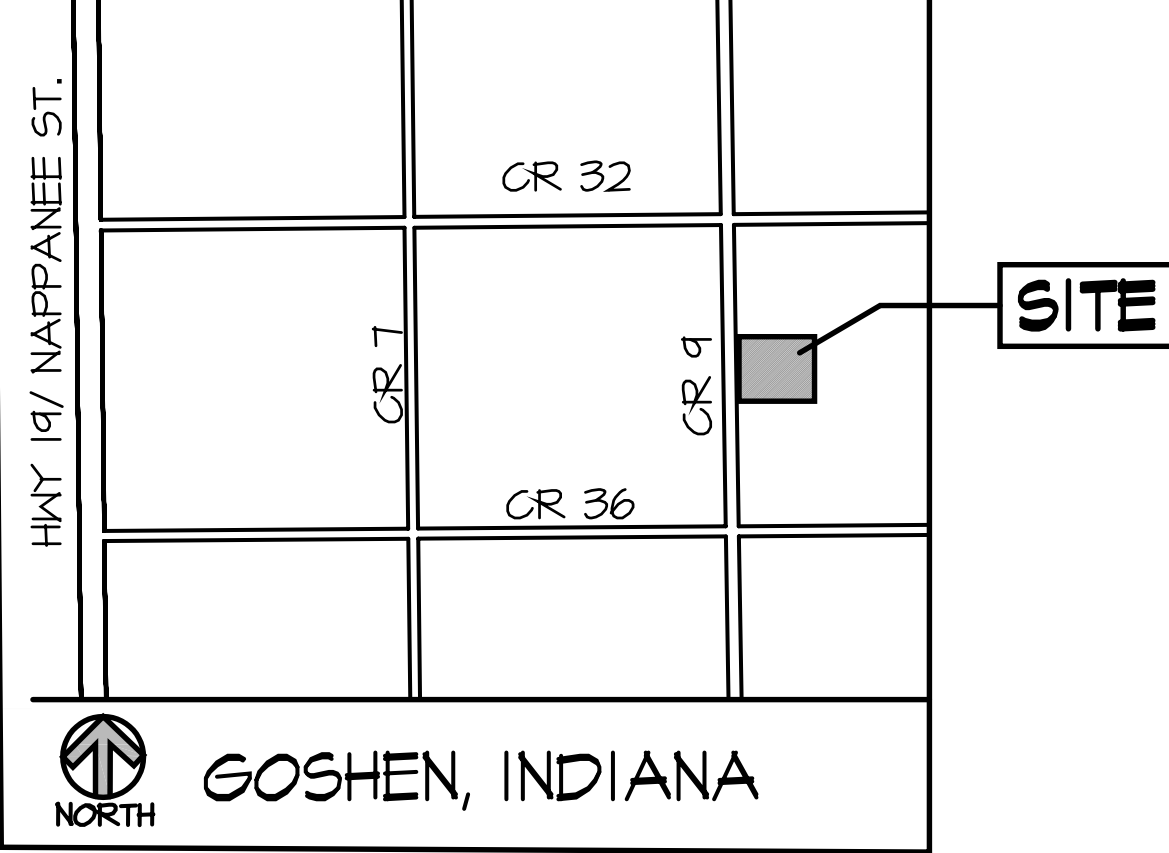
## SHEET INDEX:

C1	SITE PLAN & CODE DATA
C2	SITE PLUMBING FIXTURE COMPLIANCE DIAGRAM
C3	EXISTING SITE SEWAGE & SEPTIC PLAN
C4	EXISTING BATH HOUSE PLUMBING PLAN
A1	FLOOR PLAN, EXTERIOR ELEVATIONS & BLDG. SECTION
PME	PLUMBING AND ELECTRICAL PLANS

## CODE DATA:

OCCUPANCY GROUP: B  
TYPE OF CONST: V-B  
AREA: 1605 SF  
OCCUPANT LOAD: 200  
NOTE: BATHHOUSE TO BE USED SEASONABLY ONLY. NO CONDITIONED SPACE

## SITE LOCATION MAP



**SITE PLAN**  
SCALE: 1" = 80'-0"

**INTERFACE**  
Architecture  
& Design  
6700 ALPHI DRIVE  
GOSHEN, INDIANA 46526

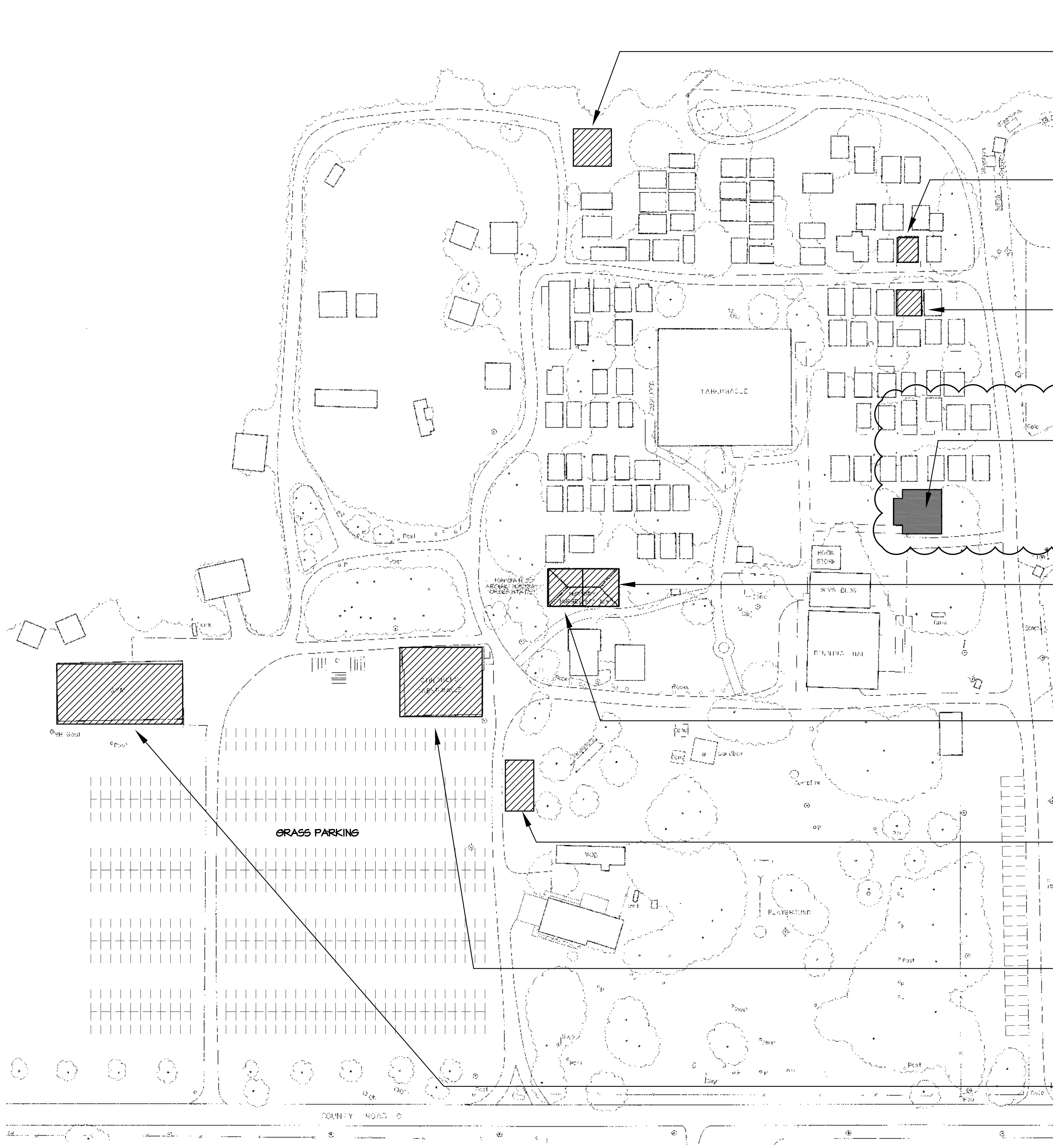
PROJECT TITLE  
**RESTROOM RENOVATIONS**

OWNER  
**PRAIRIE CAMP**  
63526 COUNTY RD 9  
GOSHEN, INDIANA 46526

DATE	REVISIONS	BY
6-18-18	REVISIONS PER ISDH REG'S	AKE
9-18-18	REVISIONS PER ISDH STAFF REPORT	AKE
10-30-18	REVISIONS PER ISDH STAFF REPORT	AKE

SHEET NUMBER  
**C1**





**EXISTING EAST BATH HOUSE**

- MEN:  
(4) TOILETS  
(4) URINALS  
(5) LAVS  
(8) SHOWERS
- WOMEN:  
(8) TOILETS  
(5) LAVS  
(8) SHOWERS

**EXISTING 13 CABIN**

- MEN:  
(1) TOILET  
(0) URINALS  
(1) LAVS  
(1) TUB/SHOWER

**EXISTING 16 CABIN**

- MEN:  
(1) TOILET  
(0) URINALS  
(1) LAVS  
(1) TUB/SHOWER

**REMODELED SOUTH BATH HOUSE**

- MEN:  
(4) TOILETS  
(4) URINALS  
(3) LAVS  
(3) SHOWERS
- WOMEN:  
(11) TOILETS  
(4) LAVS  
(5) SHOWERS

**EXISTING NURSERY**

- WOMEN:  
(2) TOILETS  
(1) LAVS  
(0) SHOWERS

**EXISTING NURSE'S STATION**

- WOMEN:  
(1) TOILET  
(1) LAVS  
(0) SHOWERS

**EXISTING RETREAT CENTER**

- MEN:  
(3) TOILETS  
(0) URINALS  
(3) LAVS  
(3) SHOWERS
- WOMEN:  
(2) TOILETS  
(2) LAVS  
(2) SHOWERS

**EXISTING CHILD TABERNACLE**

- MEN:  
(1) TOILET  
(1) URINAL  
(1) LAVS  
(0) SHOWERS
- WOMEN:  
(2) TOILETS  
(1) LAVS  
(0) SHOWERS

**EXISTING GYM**

- MEN:  
(2) TOILETS  
(2) URINALS  
(5) LAVS  
(6) SHOWERS
- WOMEN:  
(5) TOILETS  
(5) LAVS  
(6) SHOWERS

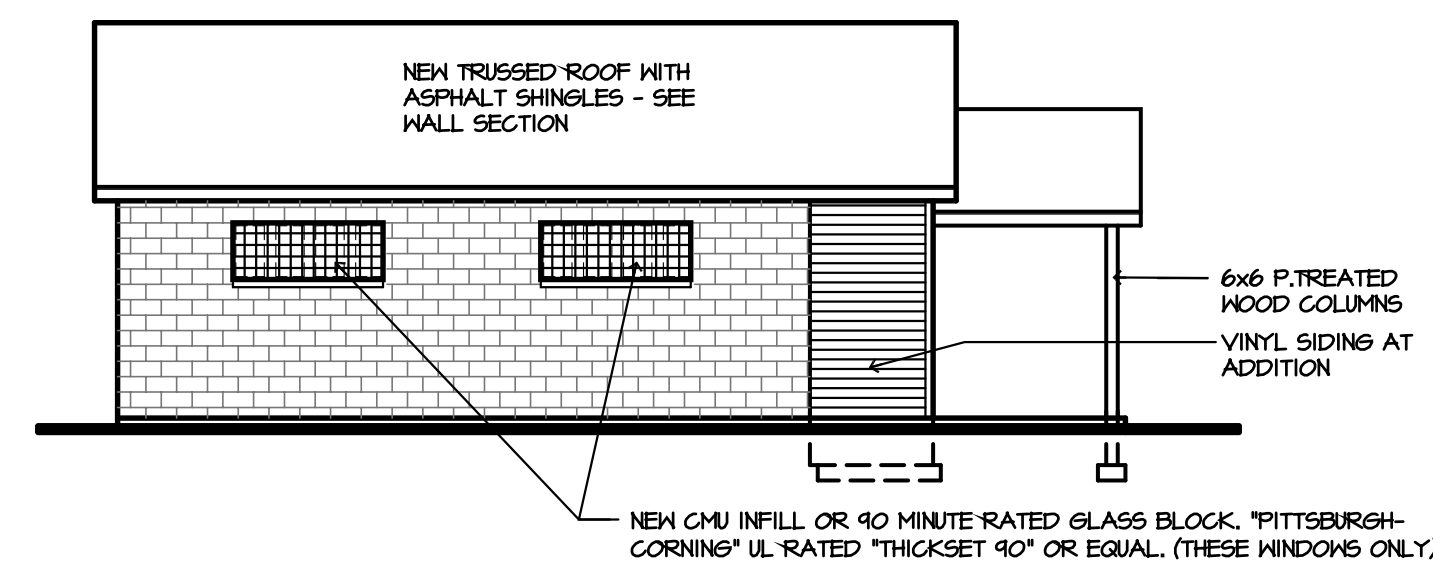
PLUMBING FIXTURE DATA				
FIXTURE REQUIREMENTS BASED ON AN 500 CAMPERS				
	MEN		WOMEN	
	REQ'D	ACTUAL	REQ'D	ACTUAL
TOILETS	10	16	19	31
URINALS	9	11	—	—
LAVS	19	19	19	19
SHOWERS	18	22	18	27





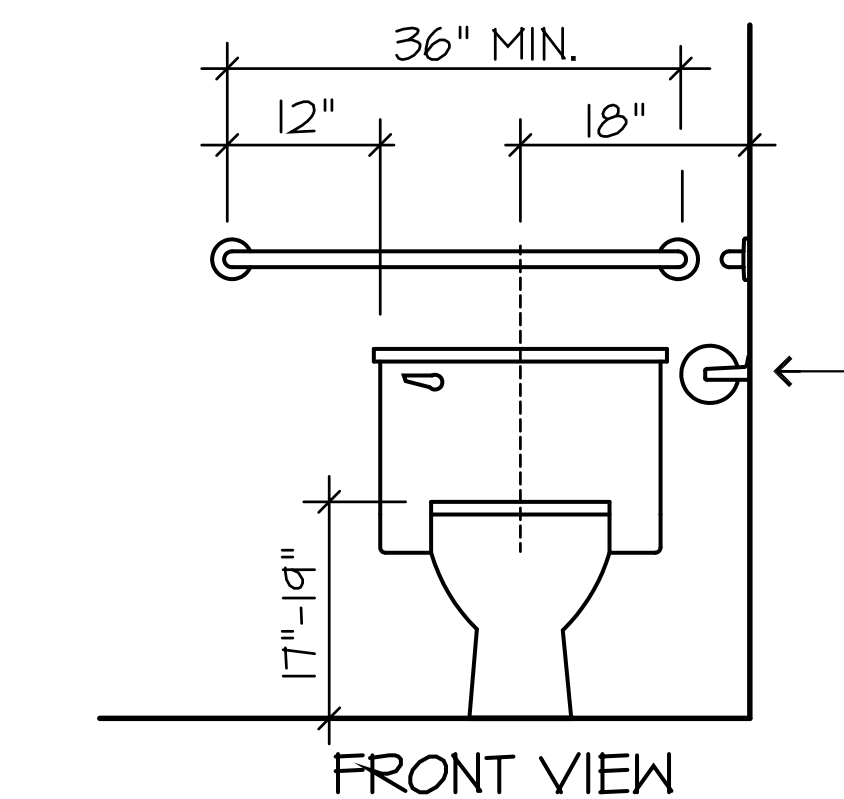
## EXTERIOR ELEVATIONS

SCALE: 1/8" = 1'-0"

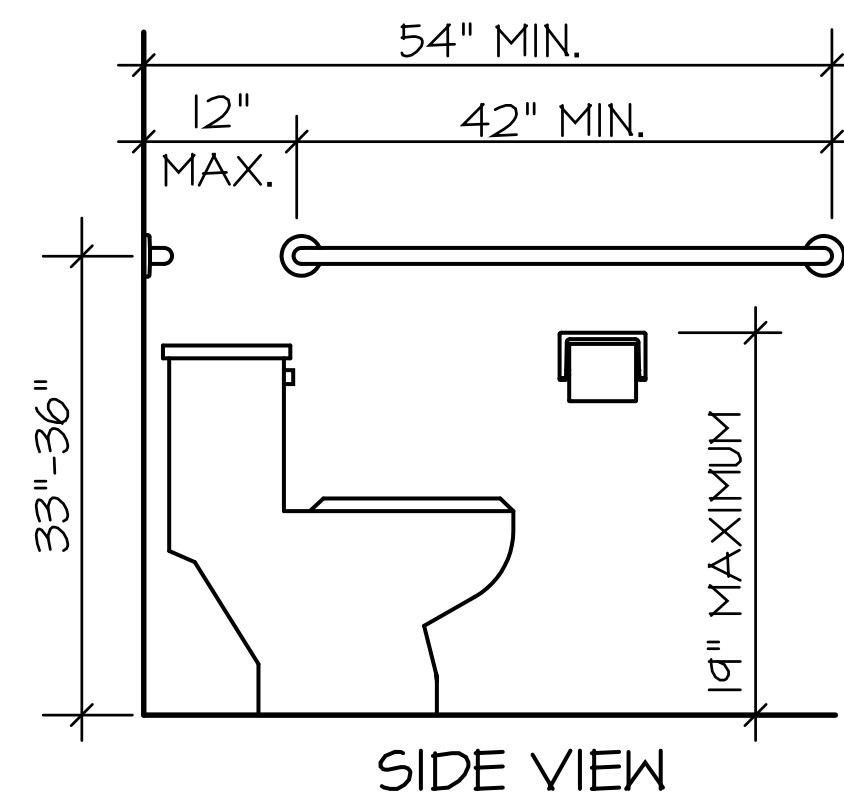


NOTE: THIS WALL SECTION DEPICTS NEW CONSTRUCTION AT THE ENTRANCE AND JANITOR AREAS ONLY. ALL "WET" AREAS ARE LOCATED WITHIN EXISTING OR NEW CMU WALLS.

NOTE: ALL NEW AND EXISTING WALLS SHALL BE FINISHED WITH BLOCK FILLER AND EPOXY PAINT TO PROVIDE A SMOOTH, NONABSORBENT AND EASILY CLEANABLE FINISH



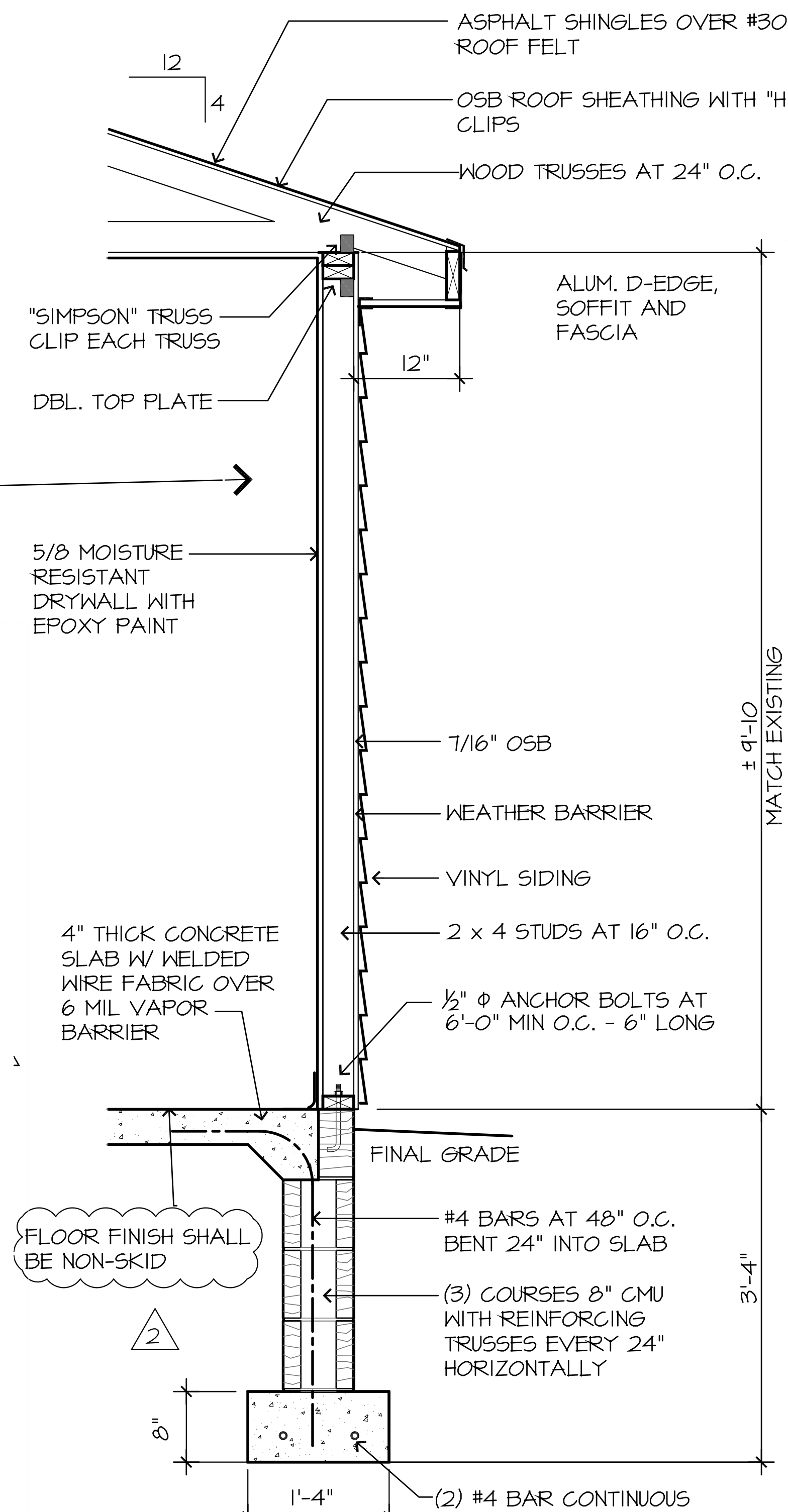
FRONT VIEW



SIDE VIEW

## TYPICAL GRAB BARS

SCALE: NTS



## WALL SECTION - AT NEW ENTRY & JANITORS ONLY

SCALE: NTS

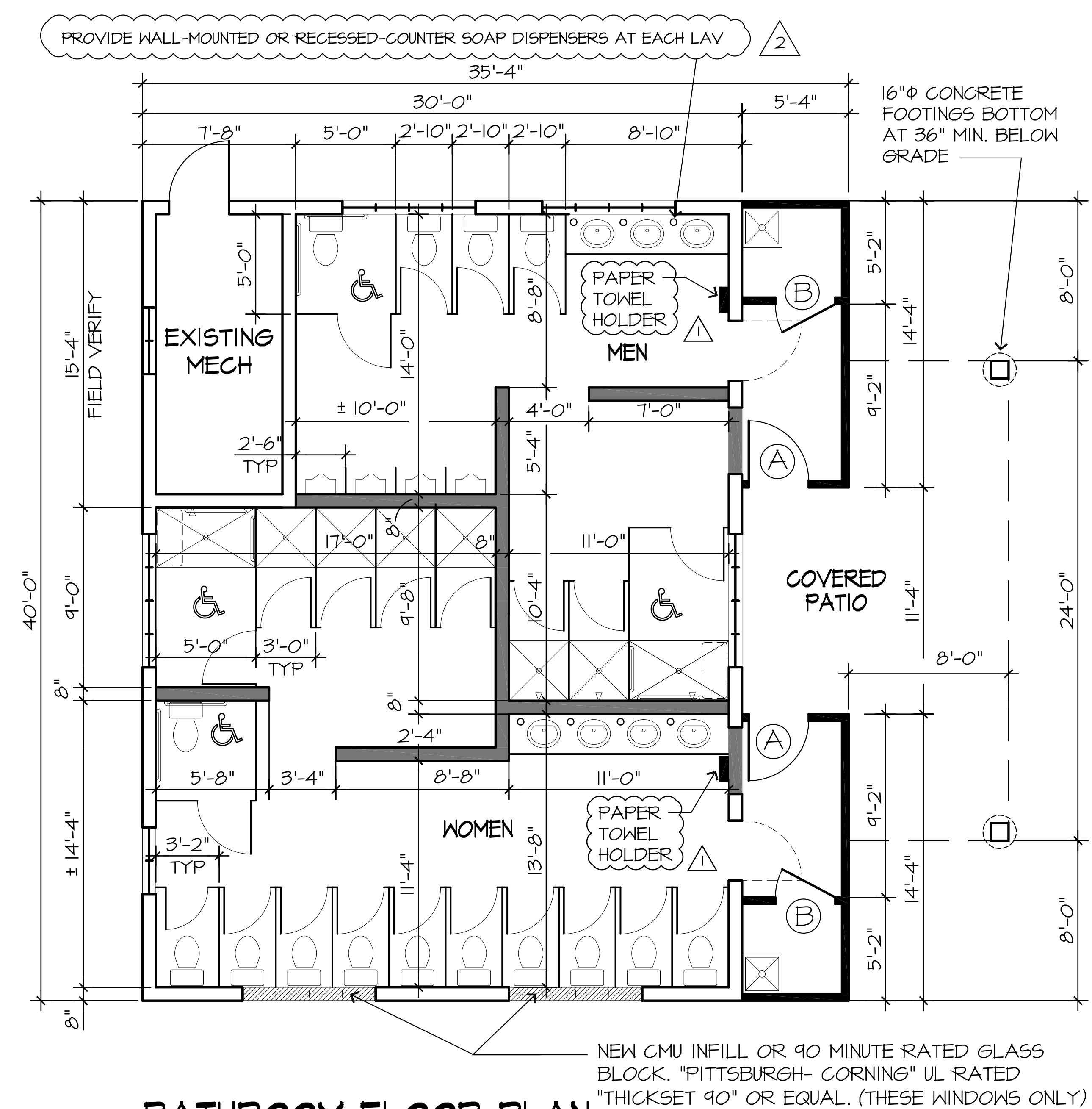
## GENERAL NOTES:

- ALL DIMENSIONS SHOWN TAKEN FROM FACE OF STUD/CONCRETE TO FACE OF STUD/CONCRETE UNLESS OTHERWISE NOTED. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION
- PRE-MANUFACTURED WOOD TRUSSES TO BE DESIGNED IN ACCORDANCE WITH TPI AND APFA NDS DESIGN REQUIREMENTS.
- ALL TRUSSES AND BRACING TO BE INSTALLED PER MANUF. SPECIFICATIONS. SEE TRUSS DIAGRAMS FOR SPECIFIC LOADS.
- GENERAL ROOF LOADS:  
TOP CHORD LIVE 30 PSF  
TOP CHORD DEAD 7 PSF  
BOTTOM CHORD DEAD 0 PSF  
TOTAL LOAD 37 PSF
- PROVIDE SIGNAGE AT EACH ENTRANCE DESIGNATING WHICH SEX MAY USE WHICH SPACE

- (A) 3'0" X 6'8" HOLLOW METAL DOOR AND FRAME WITH PUSH-PULL HANDLES AND CLOSER  
(B) 3'0" X 6'8" HOLLOW METAL DOOR AND FRAME WITH LOCKSET

## WALL LEGEND:

- EXIST 8" CMU WALL TO REMAIN  
NEW 8" CMU WALL  
NEW 2x4 WOOD STUD WALL  
NEW CMU INFILL OR 90 MINUTE RATED GLASS BLOCK, "PITTSBURGH-CORNING" UL RATED "THICKSET 90" OR EQUAL. (THESE WINDOWS ONLY)



## BATHROOM FLOOR PLAN

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

1605 S.F.



PLUMBING NOTES:

1. THE ENTIRE PLUMBING SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE INDIANA PLUMBING CODE PROVISIONS AND LOCAL REGULATIONS OR CODES HAVING JURISDICTION. THE PLANS AND SPECIFICATIONS CONTAINED WITHIN THIS SET OF CONSTRUCTION DOCUMENTS ARE INTENDED TO ILLUSTRATE THE SCOPE OF WORK REQUIRED FOR A COMPLETE PLUMBING INSTALLATION. ONLY THE INFORMATION SHOWN SHALL IN NO WAY SUPERSEDE THE CODE PROVISIONS OR IN ANY WAY GIVE PERMISSION TO THE PLUMBING CONTRACTOR TO INSTALL A SYSTEM FOUND TO BE IN NON-COMPLIANCE.
2. THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF WORK WITH OTHER TRADES.
3. THIS CONTRACTOR IS REQUIRED TO MAINTAIN A MANUAL ON SITE CONTAINING THE REQUIRED MSDS SHEETS FOR PRODUCTS, CLEANERS AND OTHER MATERIALS USED ON THIS PROJECT. THE INFORMATION MAY BE GIVEN TO THE JOBSITE OFFICE FOR RECORDS AND REVIEW. THIS CONTRACTOR SHALL FURNISH TO THE JOBSITE SUPERINTENDENT THE NAME OF HIS APPOINTED SAFETY OFFICER AND PHONE NUMBER FOR USE IN THE EVENT OF AN EMERGENCY.
4. THE FIXTURE SCHEDULE ASSOCIATED WITH THE PLUMBING WORK IS INTENDED TO ESTABLISH THE TYPE AND QUALITY OF FIXTURE REQUESTED BY THE OWNER AND ENGINEER. EQUALS MAY BE USED IF APPROVED BY THE ENGINEER. THIS CONTRACTOR IS REQUIRED TO MEET THE ESTABLISHED QUALITY IN ANY CASE, AND WILL BE REQUIRED TO PROVIDE SAME IF THE MATERIAL THEY USED IN THEIR PROPOSAL WAS NOT APPROVED PRIOR TO BIDDING OR IS VIEWED AFTER THE BIDDING NOT TO MEET THE QUALITY REQUIREMENT. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE APPROVAL PRIOR TO BID OR RISK IF NOT APPROVED AFTERWARD.
5. THIS CONTRACTOR SHALL INCLUDE ALL PIPING, DOMESTIC HOT AND COLD WATER, SANITARY SEWER, VENTING, ALL FIXTURES, TRIMS, VALVES, SHUT-OFFS, FAUCETS, PIPE INSULATIONS, AIR HAMMERS (SHOCK ARRESTORS) TRAPS, DRAINS, AND CLEANOUTS AS REQUIRED TO FURNISH A COMPLETE OPERABLE SYSTEM AS INDICATED ON THESE PLANS. ITEMS NOT SHOWN OR SPECIFICALLY CALLED OUT ON SCHEDULES, DIAGRAMS OR PLANS SHALL BE A PART OF THIS CONTRACT IF IT IS UNDERSTOOD TO BE NECESSARY FOR A COMPLETE, CODE-COMPLYING AND OPERABLE PLUMBING SYSTEM.
6. SOIL, WASTE, AND VENT PIPING SHALL BE OF APPROVED MATERIALS BEARING THE REQUIRED LABELS, ASTM NUMBER, OR SIMILAR SUCH THAT THE MATERIAL SHALL MEET THE INTENDED USE REQUIREMENTS.
7. PROVIDE CLEANOUTS FOR SOIL AND WASTE LINES AS REQUIRED BY CODE AND AS INDICATED ON THE PLANS. THE SIZE, LOCATION AND TYPE OF CLEAN-OUT SHALL BE APPROVED BY LOCAL CODES. AIR GAPS BETWEEN CONDENSATE DISCHARGE, WATER SOFTENER, DISHWASHERS ETC. MUST BE MAINTAINED PER CODE REQUIREMENTS. DRAIN OFFS FROM CONDENSER TYPE FURNACES SHALL BE INSTALLED BY THE MECHANICAL CONTRACTOR FROM APPLIANCE TO FLOOR DRAIN.
8. ALL WATER SUPPLY PIPING BELOW GROUND SHALL BE TYPE "K" COPPER TUBING WITHOUT JOINTS. ALL WATER SUPPLY ABOVE GROUND SHALL BE TYPE "L" HARD COPPER TUBING.
9. ALL PIPING TO BE INSTALLED IN THE EXTERIOR WALLS SHALL HAVE A MINIMUM 6"- R-19 BATT OR BLANKET FIBER INSULATION TO PROTECT FROM FREEZING OVER OR BETWEEN UNHEATED SPACES AND THE FINAL PIPE INSTALLATION. THIS CONTRACTOR MUST ASSURE HIMSELF OF THIS PROTECTION BY PROVIDING OR SEE THAT THIS INSULATION IS PROVIDED BY OTHERS WITHIN THE CONSTRUCTION DOCUMENTS.
10. ALL DOMESTIC WATER PIPING SHALL BE SIZED ACCORDING TO CODE FOR THE FIXTURE UNITS BEING SERVED. 3/4" DIAMETER PIPING TO THE NEXT TO LAST FIXTURE ON ANY RUN SHALL BE MAINTAINED. THE PLUMBING CONTRACTOR SHALL PROVIDE ADEQUATE VOLUME OR PRESSURE TO ALL FLUSH VALVE OPERATED FIXTURES. A MINIMUM 1" X 6" VERTICAL AIR COMPRESSION CHAMBER SHALL BE INSTALLED AT THE END OF EACH SUPPLY RUN TO ARREST HAMMERING WHEN FAUCETS ARE TURNED OFF.
11. PROVIDE STOPS ON WATER SUPPLIES TO EACH FIXTURE.

ALL FLOOR DRAINS SHALL HAVE TRAPS AS REQUIRED BY THE PLUMBING CODE

ALL NEW SANITARY PIPING SHALL BE:  
- ABOVE GRADE AT BUILDING INTERIOR: PVC PIPE (ASTM D2729) W/ PVC FITTINGS (ASTM D2855) AND SOLVENT WELD (ASTM D2564) CEMENT  
- BELOW GRADE BURIED BEYOND 5 FEET: ASTM D2665, SCHEDULE 40

INSTALL NEW THERMAL MIXING VALVE AT PIPING IMMEDIATELY LEAVING WATER HEATER. TYPE TO BE SERIES LFMMV AS MANUFACTURED BY "WATTS" (OR EQUAL) SPEC MUST MEET ASSE 1017, ASSE 1061 & ASSE 1070

EXISTING 4" TO EXISTING SEPTIC SYSTEM (SEE NEW SHEETS C3 & C4)

PLUMBING PLAN

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

LIGHT FIXTURE SCHEDULE		
TYPE	SYMBOL	REMARKS
A		RECESSED LED CAN LIGHTING, NIGHT LIGHT
B		4' LED LIGHTING <span>PROVIDE WITH LENSED COVER 3165 LUMENS MIN / 25.5 W</span>
C		EMERGENCY LIGHTING WITH REMOTE EXTERIOR HEAD AND 90 MIN. BATTERY - "LITHONIA" QUANTUM LHQM-LED-HO

PLUMBING FIXTURE SCHEDULE			
SYMBOL	CONNECT		DESCRIPTION
	HW	CW	
WC-1	--	1"	WHITE ELONGATED 1.66GAL WATER SAVER 17" HIGH WATER CLOSET BOX AND STUB TO CEILING W/ OPEN SEAT, ROUGH IN TO ACCOMMODATE ADA REQUIREMENTS, INCLUDE FLUSH VALVE WITH ADA HANDLE, SET SCREW ESCUT., & SWEAT KIT. (ADA COMPLIANT)
LAV-1	1/2"	1/2"	WALL-HUNG, ADA-COMPLIANT VITREOUS CHINA LAV. SUPPLY WITH LAVATORY FAUCET WITH 4" WRIST BLADE HANDLES, CP GRID DRAIN, CP P-TRAP, LAVATORY SUPPLIES WITH LOOSE KEY ANGLE STOPS, AND ADA APPROVED TRAPWRAP. ADA ROUGH-IN.
UR-1	1/2"	1/2"	WALL-HUNG, ADA-COMPLIANT VITREOUS CHINA URINAL WITH FLUSH VALVE
SH-1	1/2"	1/2"	36" X 60" BARRIER-FREE FIBERGLASS SHOWER WITH SINGLE LEVER FAUCET AND SHOWER DRAIN.
FD-1	--	--	COATED CAST IRON FLOOR DRAIN WITH INTEGRAL FLUSH CLEANOUT, 2" "NO-HUB" SIDE OUTLET, AND TYPE 5A ADJUSTABLE STRAINER.

AMERICAN STANDARD "RELIANT 3" 1385,000 (OR EQUAL).

FAUCETS SHALL HAVE AUTOMATIC HOT WATER TEMPERATURE CONTROL VALVES THAT KEEP WATER TEMPERATURE TO NOT EXCEED 120° F

FAUCET SHALL HAVE MIXING OR COMBINATION VALVES AS REQUIRED BY PLUMBING CODE

DELTA T13220 SERIES (OR EQUAL).

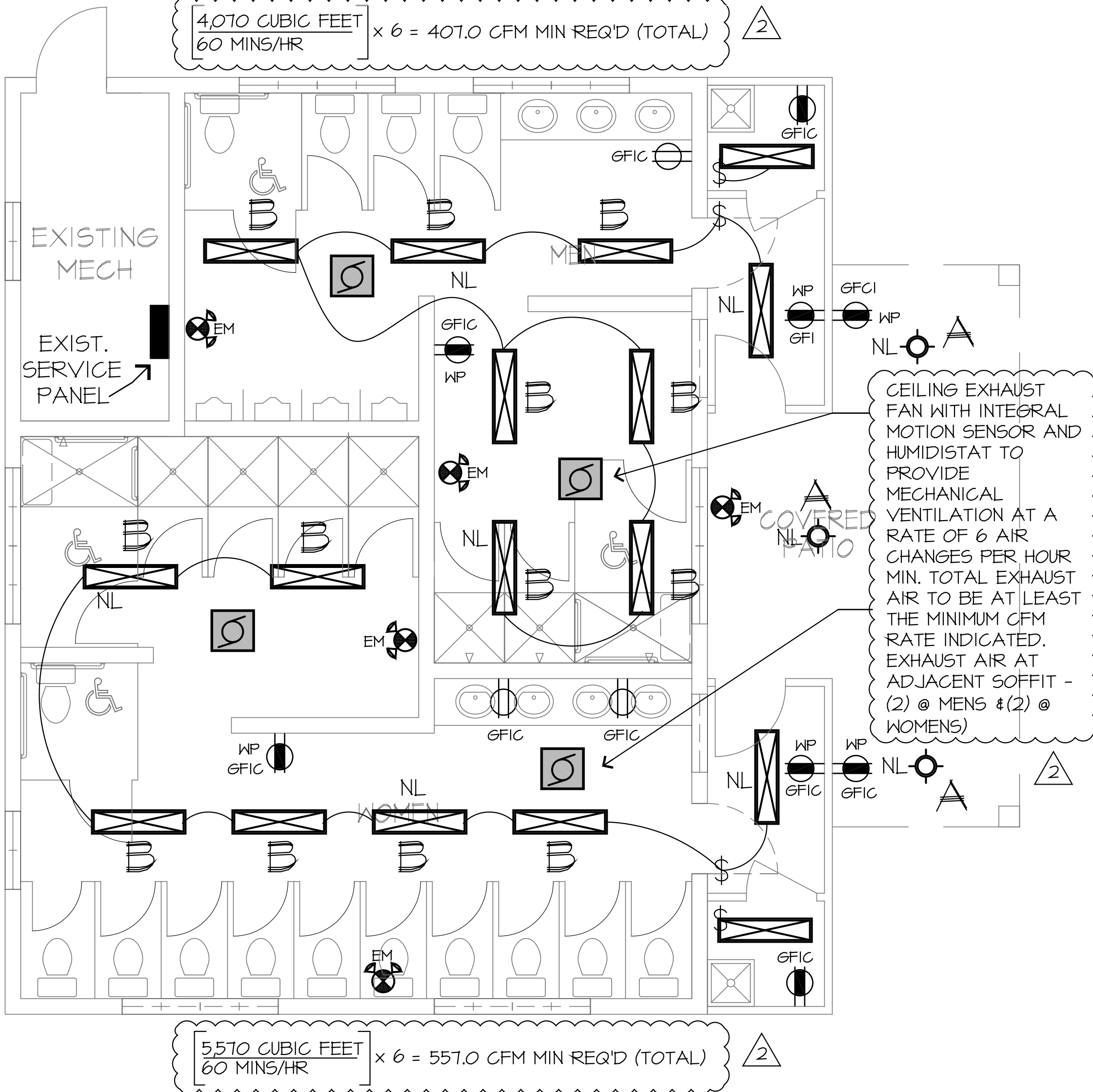
ELECTRICAL NOTES:

1. THE ENTIRE ELECTRICAL PROJECT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AS AMENDED FOR USE IN THE STATE OF INDIANA, AND TO ANY LOCAL ORDINANCES OR CODES HAVING JURISDICTION. THE PLANS AND SPECIFICATIONS CONTAINED WITHIN THIS SET OF CONSTRUCTION DRAWINGS ARE INTENDED TO ILLUSTRATE THE SCOPE OF WORK REQUIRED FOR A COMPLETE ELECTRICAL INSTALLATION ONLY. THE INFORMATION SHOWN SHALL IN NO WAY SUPERSEDE THE CODE PROVISIONS OR IN ANY WAY BE CONSTRUED TO GIVE PERMISSION TO ALLOW THIS CONTRACTOR TO INSTALL AN ELECTRICAL SYSTEM INSTALLATION THAT IS IN NON-COMPLIANCE WITH SAID CODES AND ORDINANCES.
2. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF WORK WITH OTHER TRADES.
3. ELECTRIC AND TELEPHONE SERVICE TO THE SITE SHALL BE PROVIDED AS DIRECTED BY THE UTILITY COMPANIES. INCLUDE ALL WORK IN THE BID AND ALL UTILITY CHARGES. THE SYSTEM AS BID SHALL BE COMPLETE AND OPERATIONAL FROM UTILITY POLE TO SERVICE EQUIPMENT. PRIOR TO SUBMITTING BID, CONSULT LOCAL UTILITY COMPANIES AND COMPLY WITH THEIR REQUIREMENTS, AND HAVE CHARGES (IF ANY) INCLUDED IN THE ELECTRICAL BID.
4. THE ELECTRICAL CONTRACTOR SHALL REVIEW ELECTRICAL REQUIREMENTS FOR POWER AND CONTROL WIRING OF EQUIPMENT FURNISHED BY OTHER TRADES. THE E.C. SHALL FURNISH AND INSTALL DISCONNECTS AT ALL H.V.A.C. UNITS. THE DISCONNECTS SHALL BE NON-FUSIBLE AT THE UNIT PER NEC. ALL CONNECTIONS TO EQUIPMENT SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S SHOP DRAWINGS. FLEXIBLE CONDUIT MAY BE USED FOR SHORT CONNECTIONS TO MOTORS OR VIBRATING EQUIPMENT. THIS CONTRACTOR IS RESPONSIBLE TO PROVIDE POWER WIRING, PROTECTION AND DISCONNECT DEVICES TO ALL MECHANICAL EQUIPMENT AND MAKE FINAL CONNECTIONS INCLUDING TESTING OF MOTORS FOR PROPER ROTATION.
5. ALL ELECTRICAL CONDUCTORS SHALL BE COPPER. BRANCH CIRCUIT WIRING SHALL BE MINIMUM #12 WITH THIN OR THIN INSULATION. FOR BRANCH CIRCUIT RUNS EXCEEDING ONE HUNDRED (100) FEET, A MINIMUM #10 SIZE WIRE SHALL BE USED. A GREEN INSULATED GROUND WIRE SHALL BE INSTALLED WITH ALL BRANCH CIRCUIT CONDUCTORS. SIZE GROUNDING CONDUCTOR PER NEC, ARTICLE 250-45.
6. GROUND FAULT CIRCUIT PROTECTION SHALL BE PROVIDED ON RECEPTACLES LOCATED IN KITCHENS, TOILET ROOMS AND EXTERIOR RECEPTACLES PER NEC.
7. IDENTIFY ALL BRANCH CIRCUITS ON THE INSIDE OF LIGHTING PANELS. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL BEING PROVIDED. WHERE COMMON NEUTRAL IS USED FOR TWO CIRCUITS, EACH SHALL ORIGINATE FROM OPPOSITE PHASE LEGS OF PANEL BUS. BALANCE LOAD ON PANEL AS CLOSE AS POSSIBLE.
8. PANEL BOARDS SHALL BE OF CIRCUIT BREAKER TYPE. BREAKERS SHALL BE THERMAL MAGNETIC, "QUICK-MAKE," "QUICK BREAK" 10,000 A.I.C. AT 240V AND BOLTED MULTIPLE BREAKERS SHALL HAVE COMMON TRIP.
9. WALL RECEPTACLES SHALL BE SPECIFICATION GRADE, GROUNDING TYPE, 3-POLE, 2-WIRE AND POLARIZED. RECEPTACLES FOR GENERAL USE SHALL BE 15 AMP AND THOSE FOR EQUIPMENT USE OR ON SINGLE CIRCUIT SHALL BE 20AMP. RECEPTACLES SHALL BE MOUNTED 18" A.F.F. UNLESS NOTED, RECEPTS IN TOILET ROOMS AND ABOVE COUNTERS SHALL BE MOUNTED AT 48" A.F.F. UNLESS NOTED OTHERWISE ON DRAWINGS. W
10. ALL SWITCHES SHALL BE SINGLE POLE OR THREE WAY AS INDICATED, 20A, 120V, QUIET TOGGLE TYPE, ARROW HART #1114/1113, PILOT LIGHT SWITCHES ARROW HART #2111-T OR EQUAL. WALL COVER PLATES FOR SWITCHES AND RECEPTACLES SHALL BE OF THE NUMBER AND GANGS REQUIRED. COLOR TO BE DETERMINED BY THE OWNER.
11. FURNISH AND INSTALL PLASTIC TELEPHONE AND COMPUTER NETWORK BOXES, INCLUDING STUB INTO ATTIC OR CEILING SPACES.
12. PRIOR TO FINAL ACCEPTANCE, THE ELECTRICAL CONTRACTOR MUST SUPPLY THE OWNER (VIA ENGINEER/ ARCHITECT) 3 COPIES OF FIXTURE CUTS, EQUIPMENT LITERATURE, AND MAINTENANCE INSTRUCTIONS FOR THE PROJECT MANUAL. ALL FIXTURES AND EQUIPMENT SHALL BE CLEAN AND IN GOOD OPERATING ORDER. CIRCUIT BREAKER PANEL CIRCUITS CLEARLY IDENTIFIED, AND FINAL INSPECTIONS MADE AND APPROVED.
13. PROVIDE (2) JUNCTION BOXES AT EACH OFFICE OR WORKSTATION TO BE USED FOR TELECOMMUNICATION WIRING. STUB CONDUIT FOR EACH BOX TO SPACE ABOVE CEILING. FINAL LOCATION TO BE DETERMINED BY OWNER.
14. I.E.C.C. MANDATORY REQUIREMENT: TWO OR MORE ONE-LAMP OR THREE-LAMP FLUORESCENT FIXTURES IN THE SAME SPACE USING THE SAME CONTROL & USING LAMPS GREATER THAN 30 WATTS EACH MUST BE TANDEM WIRED. EXCEPTION: RECESSED LUMINAIRES MORE THAN 10 FEET APART MEASURED CENTER TO CENTER.
15. I.E.C.C. MANDATORY REQUIREMENT: INTERNALLY ILLUMINATED EXIT SIGNS SHALL NOT EXCEED 5 WATTS PER FACE.

AT LEAST 20 FOOTCANDLES OF LIGHT MEASURED AT 30" ABOVE THE FLOOR SHALL BE PROVIDED THROUGHOUT SPACES (SEE LIGHT FIXTURE SCHEDULE)

ALL 15A AND 20A, 125V RECEPTACLES SHALL BE EQUIPPED WITH GFCI PROTECTION

4,070 CUBIC FEET  
60 MINS/HR x 6 = 407.0 CFM MIN REQ'D (TOTAL)



LIGHTING & POWER PLAN

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