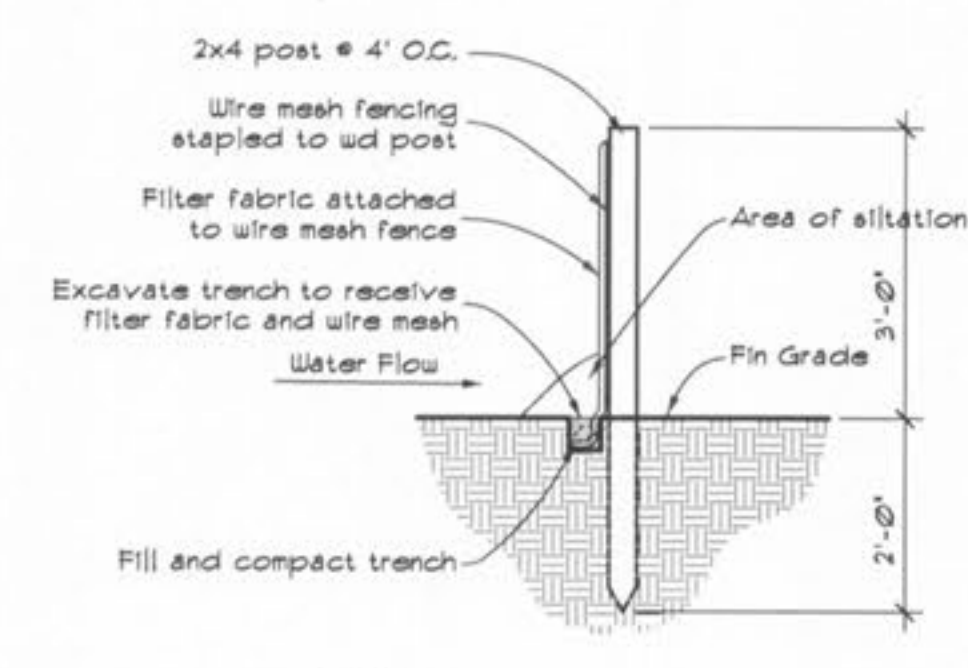


NOTE:  
 The Owner will provide asphalt patching for areas of existing asphalt damaged by utility or construction work.  
 The Owner will provide Haul-off for construction spoils. Contractor to notify Owner 48 hours prior to excavation to arrange truck usage.  
 All tree removal is Not In Contract (NIC). Notify Owner of any trees that need to be removed seven (7) days prior to construction

**SITE DEMOLITION/  
 EROSION CONTROL PLAN**  
 Scale: 1"=20'

SEEDING RATES FOR SILTATION CONTROL	
<b>PERMANENT CONTROL</b>	
TALL FESCUE	30 lbs/ac
SMOOTH BROME	20 lbs./ac
COMBINED: FESCUE & BROME	15 lbs/ac & 15 lbs/ac
<b>TEMPORARY</b>	
WHEAT OR RYE	150 lbs/ac
OATS	120 lbs/ac
<b>SEEDING PERIOD</b>	
FESCUE OR BROME	MARCH 1 - JUNE 1, AUGUST 1 - OCTOBER 1
WHEAT OR RYE	MARCH 15 - NOVEMBER 15
OATS	MARCH 15 - SEPTEMBER 15
<b>MULCH RATES: 100 lbs/1,000 sf</b>	
<b>FERTILIZER RATES:</b>	
NITROGEN	30 lbs/ac
PHOSPHATE	30 lbs/ac
POTASSIUM	30 lbs/ac
LIME	600 lbs/ac EN1
EN1 = EFFECTIVE NEUTRALIZING MATERIAL AS PER STATE EVALUATION OF QUARRIED ROCK	



\* NOTE  
 Check silt fence after each storm for damage, repair as required

**SILT FENCE DETAIL**  
 Scale: NT5

**SITE LEGEND**

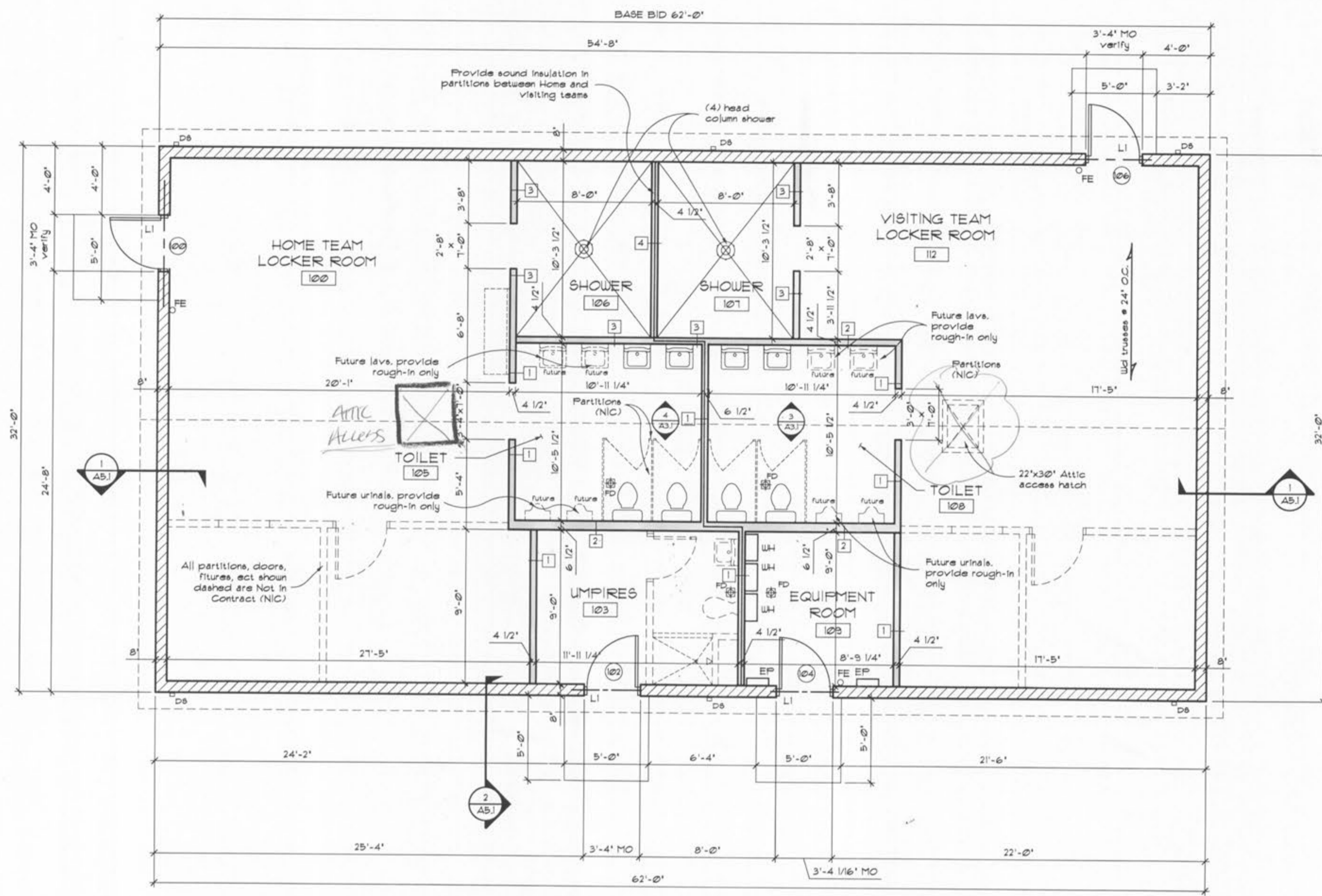
+ 100.00	Existing elevation	Inv	Invert
- 100.00	Proposed elevation	R	Radius
— 100 —	Existing contour	T	Top of
— 100 —	Proposed contour	T.O.	Top of
~ ~ ~	Swale (direction of flow)	T.C.	Top of curb
~ ~ ~	Water runoff	TP	Top of pavement
— E —	Property line	TS	Top of soil
— SS —	Sanitary sewer	FDH	Fire hydrant
— SW —	Stormwater sewer	LP	Light pole
— E —	Electric	UP	Utility pole
— T —	Telephone	Tree	Tree
— W —	Water	Tree line	Tree line
— G —	Gas	BM+99'	Benchmark
— X —	Fence	TH+5'	Test hole
CO	Cleanout	YH	Yard hydrant
FL	Flowline		
DS	Downspout		
MH	Manhole		
AD	Area drain		



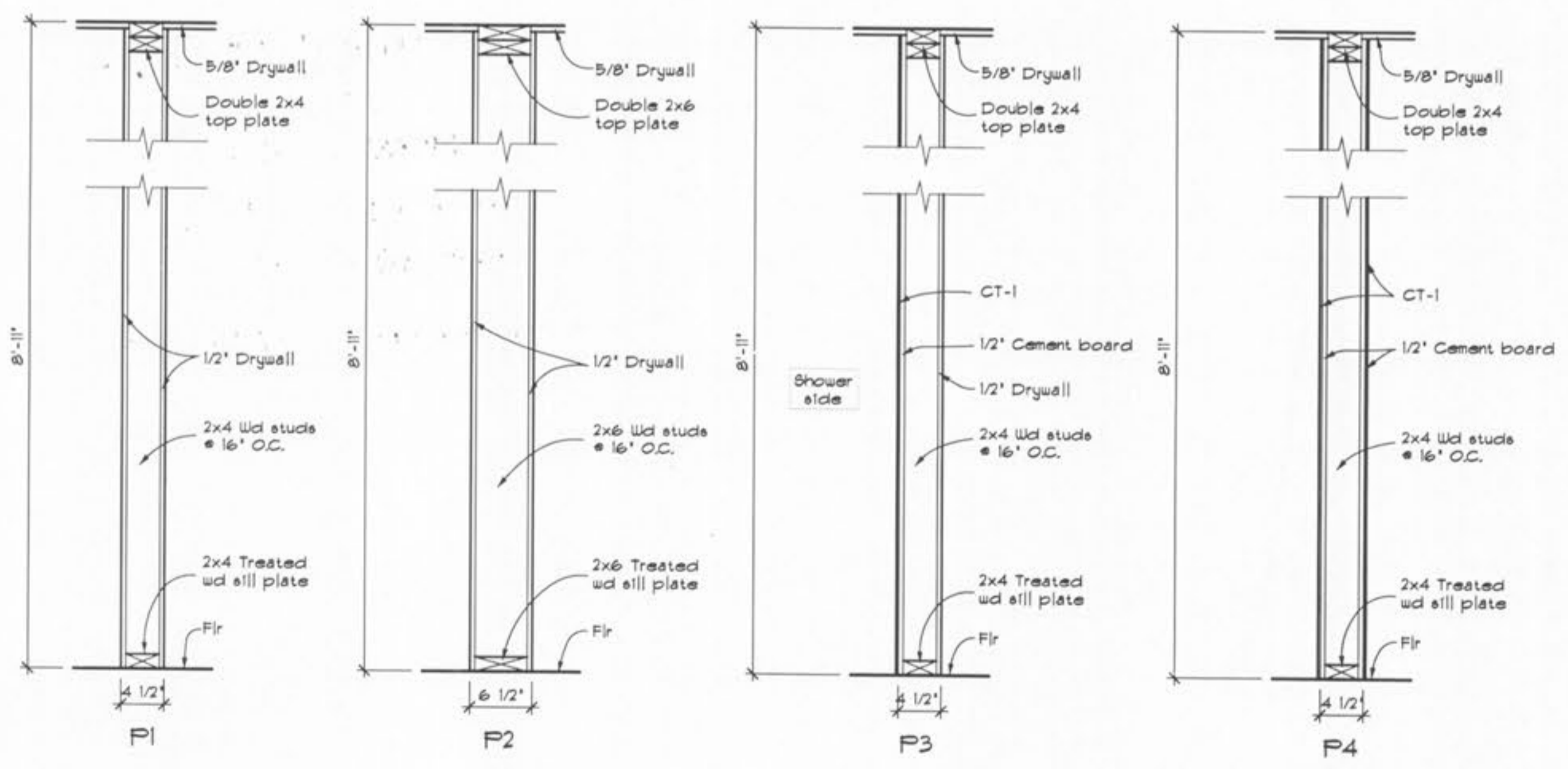
New Club House for:  
**TR HUGHES BALLPARK AT THE  
 OZZIE SMITH SPORTS COMPLEX**  
 O'Fallon, Missouri

SHEET TITLE	Site Plan
REVISIONS	
PROJECT NO.	0480-A-DS
ISSUE DATE	February 16, 2007
SHEET NO.	A11





LINTEL SCHEDULE	
L1	(2) L 3 1/2"x3 1/2"x1/4"
-	-
-	-
-	-

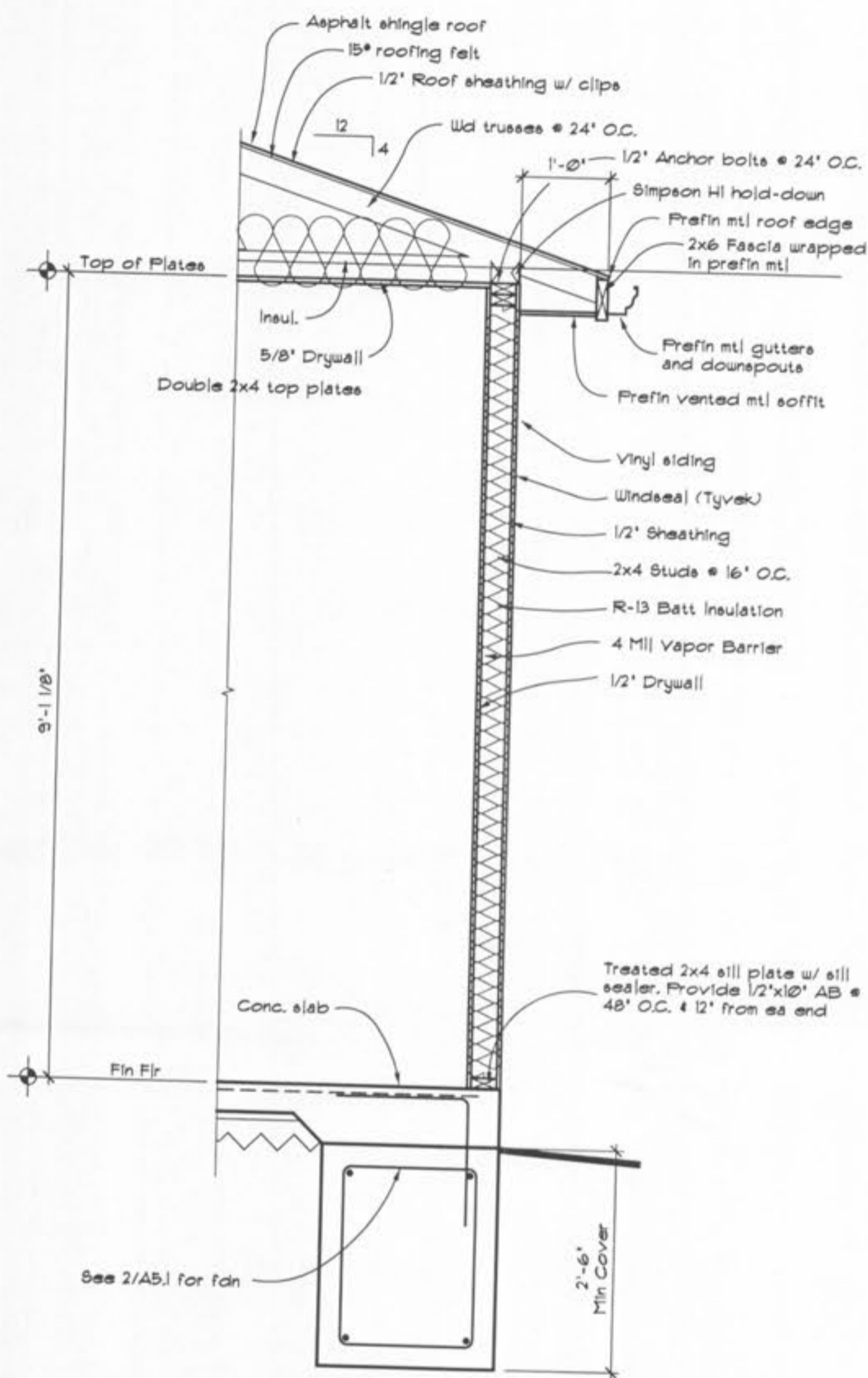


New Club House for:  
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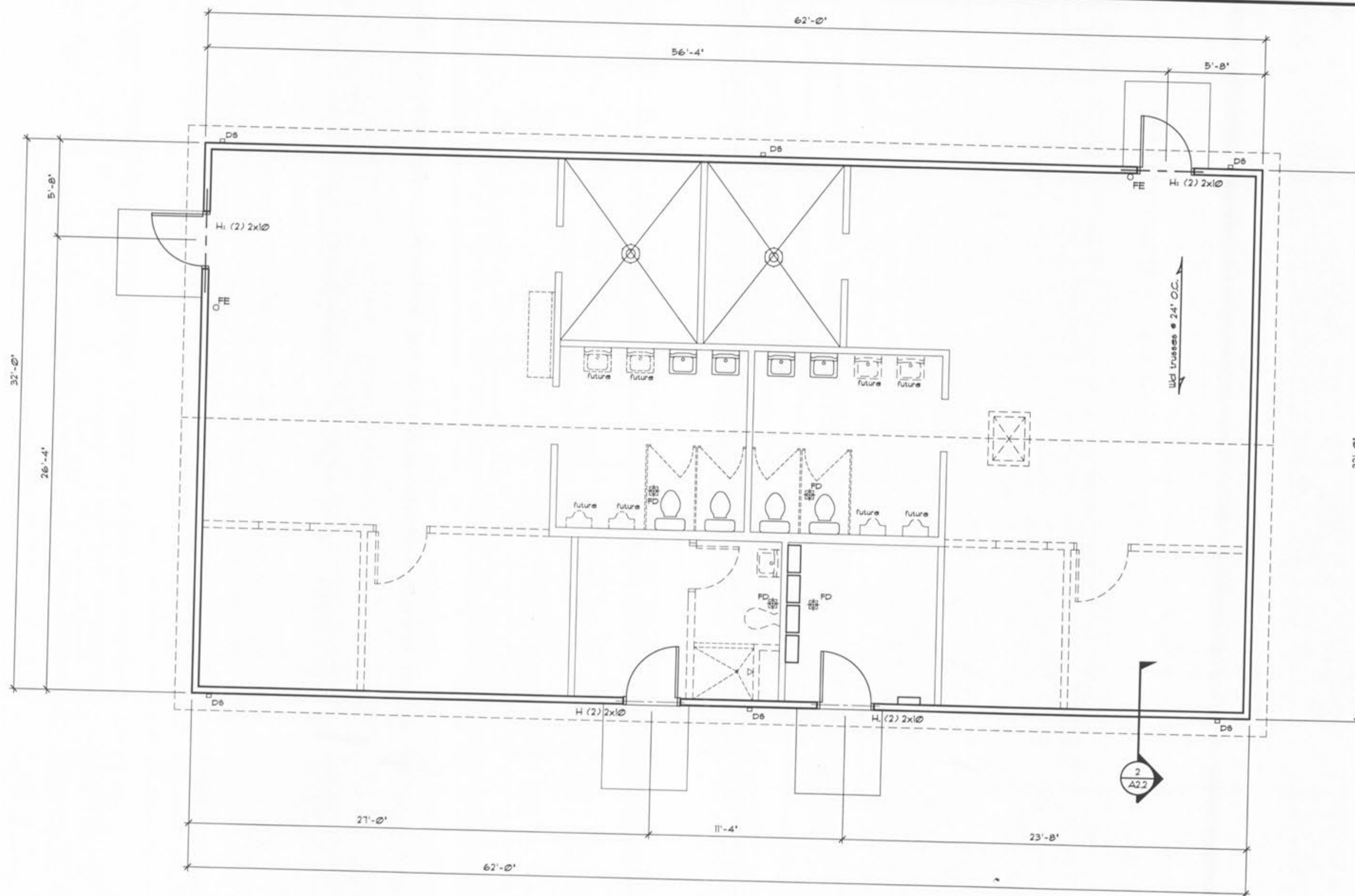
SHEET TITLE	
Floor Plan Partition types	
REVISIONS	
PROJECT NO.	
0480-A-DS	
ISSUE DATE	
February 16, 2007	
SHEET NO.	
A2.1	

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**ALTERNATE BID #3  
WALL SECTION:**  
Scale: 3/4" = 1'-0"



**ALTERNATE BID #3  
FIRST FLOOR PLAN**  
Scale: 1/4" = 1'-0"

ALTERNATE BID DESCRIPTIONS	
<b>ALTERNATE BID #1</b>	Install toilet fixtures noted as future, see MEP drawings for additional information
<b>ALTERNATE BID #2</b>	Provide for painting of exterior CMU block walls
<b>ALTERNATE BID #3</b>	Provide new wld framed, vinyl sided exterior walls in lieu of CMU walls

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New Club House for:  
**TR HUGHES BALLPARK AT THE  
OZZIE SMITH SPORTS COMPLEX**  
O'Fallon, Missouri

SHEET TITLE	
Floor Plan Partition types	
REVISIONS	
▲	
▲	
▲	
PROJECT NO.	
0480-A-D8	
ISSUE DATE	
February 16, 2007	
SHEET NO.	
A22	

BASE BID SCHEDULE OF MATERIALS & FINISHES

ROOM NO.	ROOM NAME	FLOOR		N. WALL		E. WALL		S. WALL		W. WALL		COLUMNS		CEILING		DOORS		DOOR FRMS.		WINDOWS		WIND. STOLS		REMARKS	
		MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.	MAT.	FIN.		
100	HOME TEAM LOCKER ROOM	C		CMU	P-1	D	P-2	CMU	P-2	CMU	P-2			DW	P-1	8'-10"	M	P-2	M	P-2					⊠ ⊠
101	NOT USED																								⊠ ⊠
102	NOT USED																								
103	UMPIRES	C		D	P-1	D	P-1	CMU	P-2	D	P-1			DW	P-1	8'-10"	M	P-2	M	P-2					⊠ ⊠
104	NOT USED																								⊠ ⊠
105	TOILET	C	VB-2	F	D	P-1	D	P-1	D	P-1	D	P-1		DW	P-1	8'-10"			M	P-2					⊠ ⊠
106	SHOWER	C		CMU	P-3	CT-1	F	CT-1	F	CT-1	F			DW	P-1	8'-10"			M	P-2					⊠ ⊠
107	SHOWER	C		CMU	P-3	CT-1	F	CT-1	F	CT-1	F			DW	P-1	8'-10"			M	P-2					⊠ ⊠
108	TOILET	C	VB-2	F	D	P-1	D	P-1	D	P-1	D	P-1		DW	P-1	8'-10"			M	P-2					⊠ ⊠
109	EQUIPMENT	C		D		D		CMU		D				DW	P-1	8'-10"	M	P-2	M	P-2					⊠ ⊠
110	NOT USED													DW	P-1	8'-10"	M	P-2	M	P-2					⊠ ⊠
111	NOT USED																								
112	VISITING TEAM LOCKER RM	C		CMU	P-3	CMU	P-2	CMU	P-2	D	P-1			DW	P-1	8'-10"	M	P-2	M	P-2					⊠ ⊠

LEGEND

- |                               |                                           |                                        |                          |                                     |                                                                                                                                       |
|-------------------------------|-------------------------------------------|----------------------------------------|--------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| ACT • Acoustical Ceiling Tile | D • Drywall                               | GB • Gypsum Board                      | F • Paint                | VB • Vinyl Base                     | Abbreviations followed by a number (i.e. CP-2) indicate multiple types of materials or finishes. See specifications for descriptions. |
| Al • Aluminum                 | DET. • Varies, See detail on drawings     | GFRG • Glass Fiber Reinforced Concrete | FL • Plastic Laminate    | VCPB • Vinyl Covered Particle Board |                                                                                                                                       |
| BR • Brick                    | DW • Drywall, water resistant             | GL • Glass                             | PLYWD • Plywood          | VCT • Vinyl Composition Tile        |                                                                                                                                       |
| C • Concrete / Sealed         | EX • Existing                             | GT • Structural Glazed Tile            | R • Rubber Floor Tile    | W • Wood                            |                                                                                                                                       |
| CP • Carpet                   | F • Factory Finish                        | LF • Laminate Flooring                 | RT • Rubber Stair Treads | WC • Wall Covering                  |                                                                                                                                       |
| CMU • Concrete Masonry Unit   | FP • Folding Partition                    | M • Metal                              | S • Stain & Varnish      |                                     |                                                                                                                                       |
| CT • Ceramic Tile             | FRP • Fiberglass Reinforced Plastic Panel | QT • Quarry Tile                       | SV • Sheet Vinyl         |                                     |                                                                                                                                       |

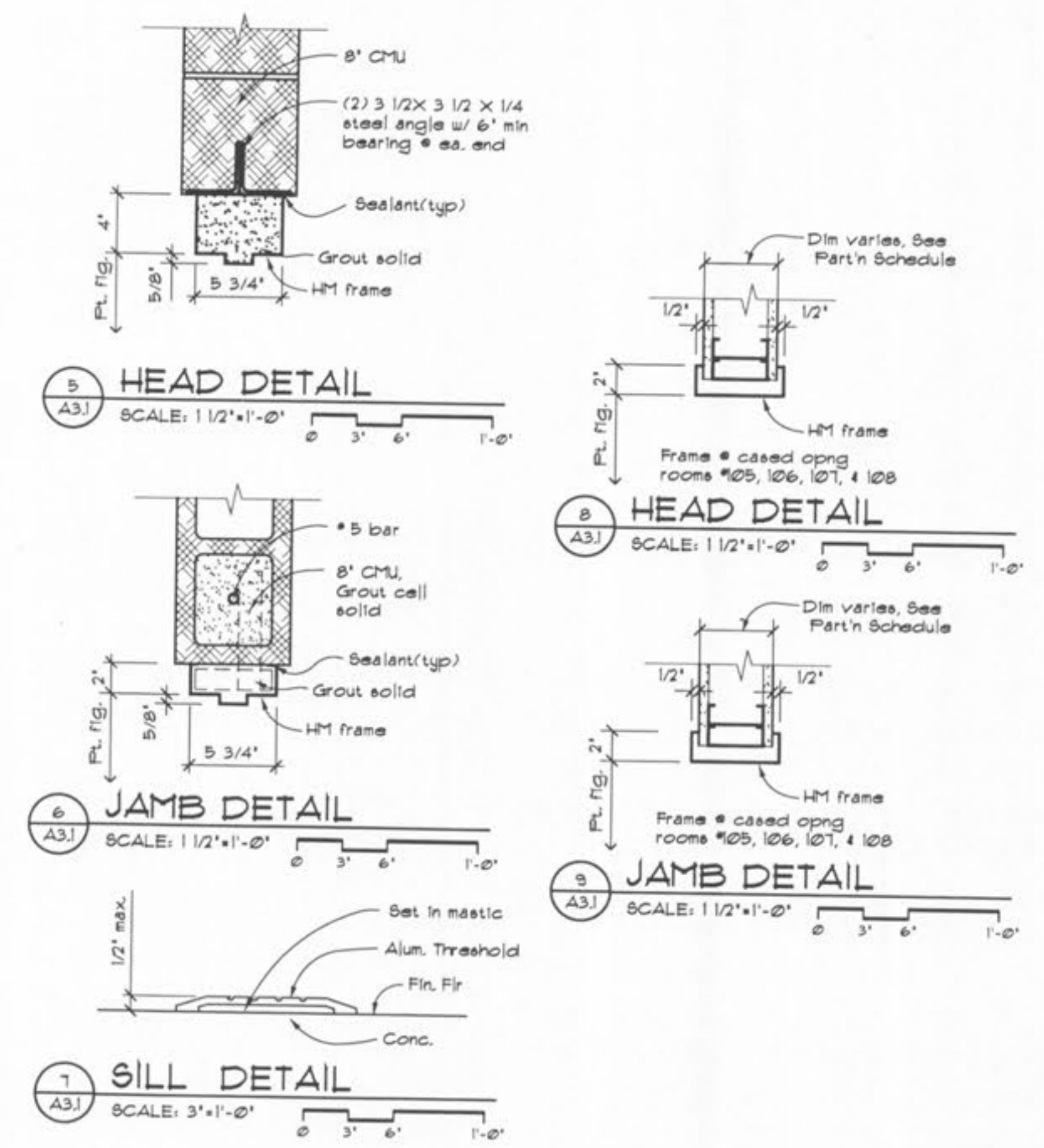
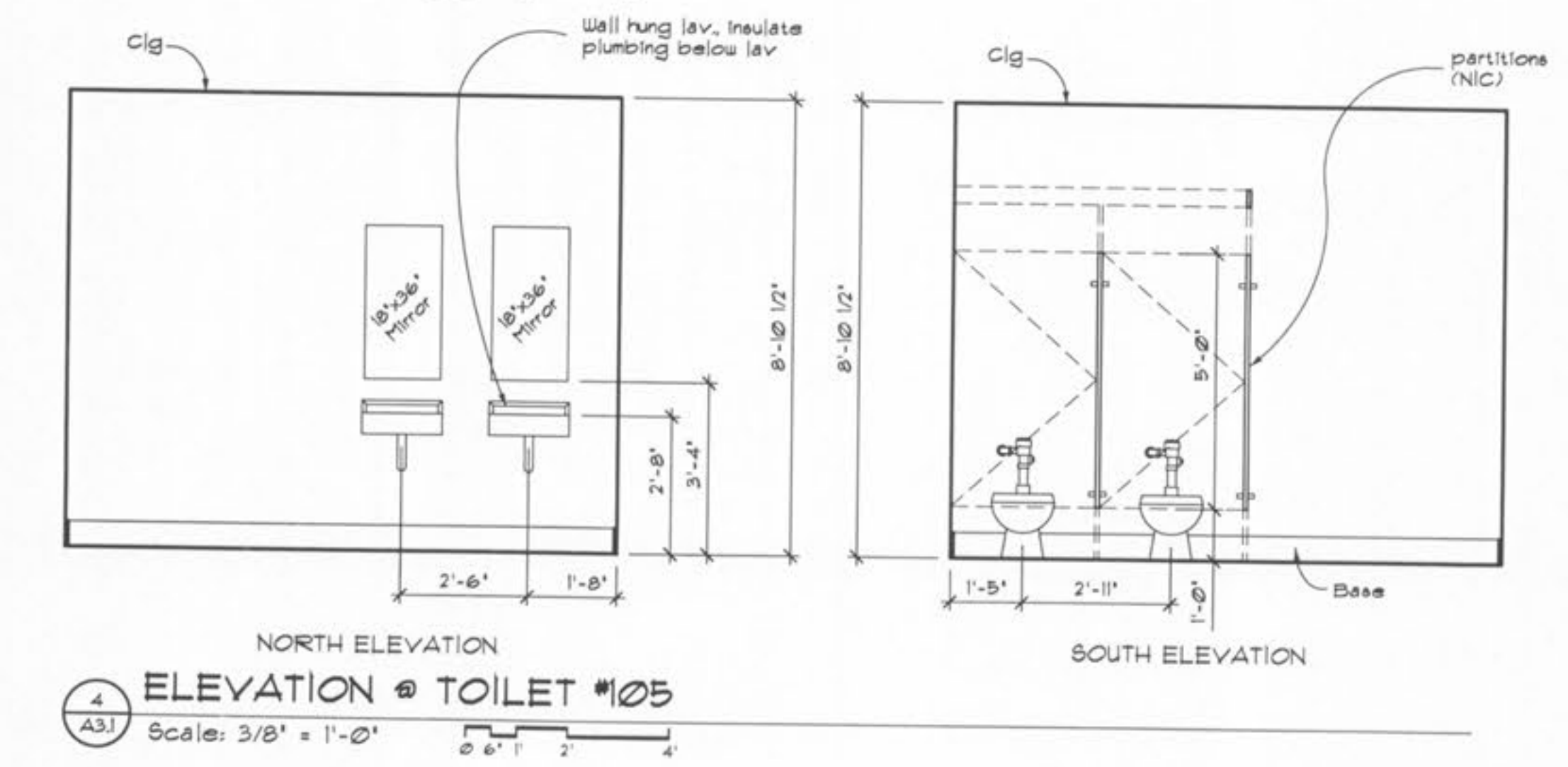
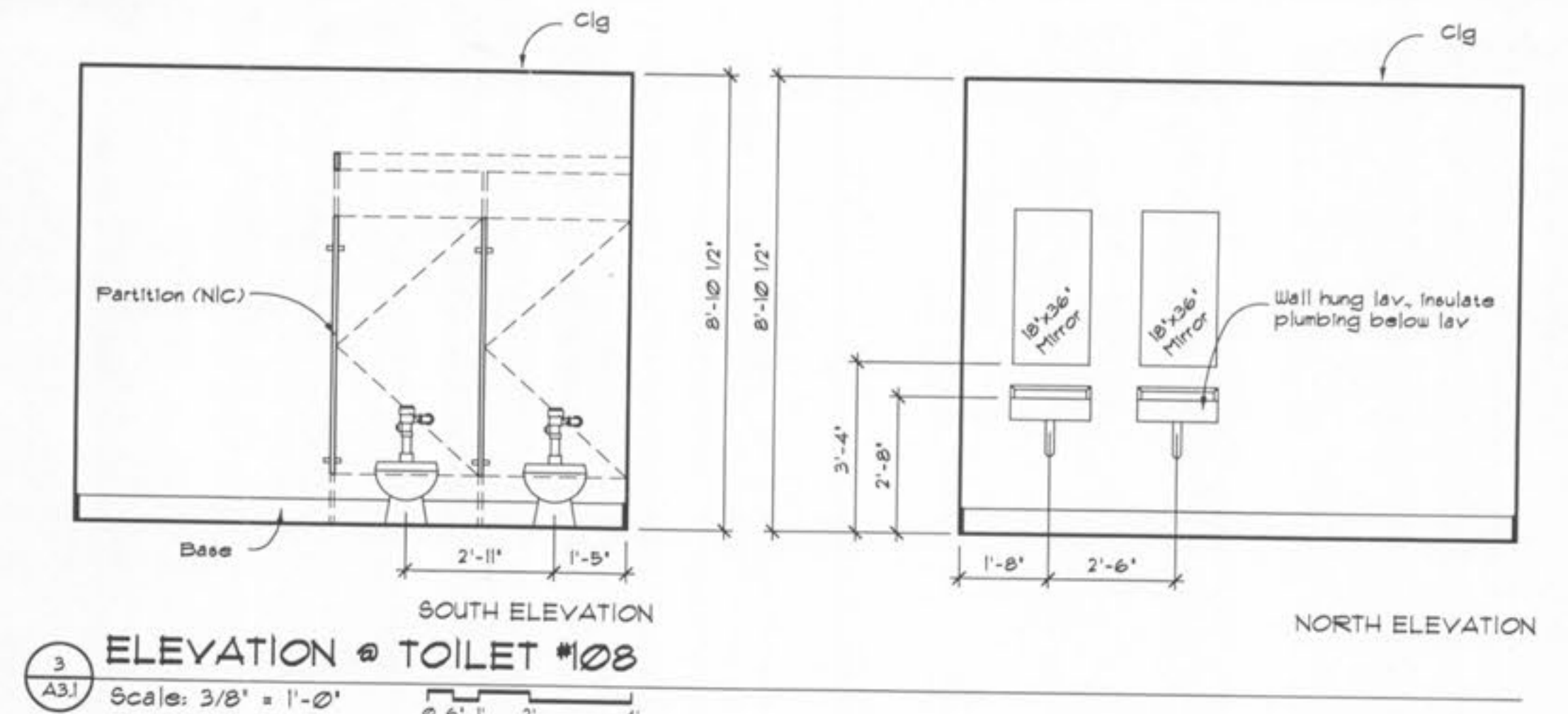
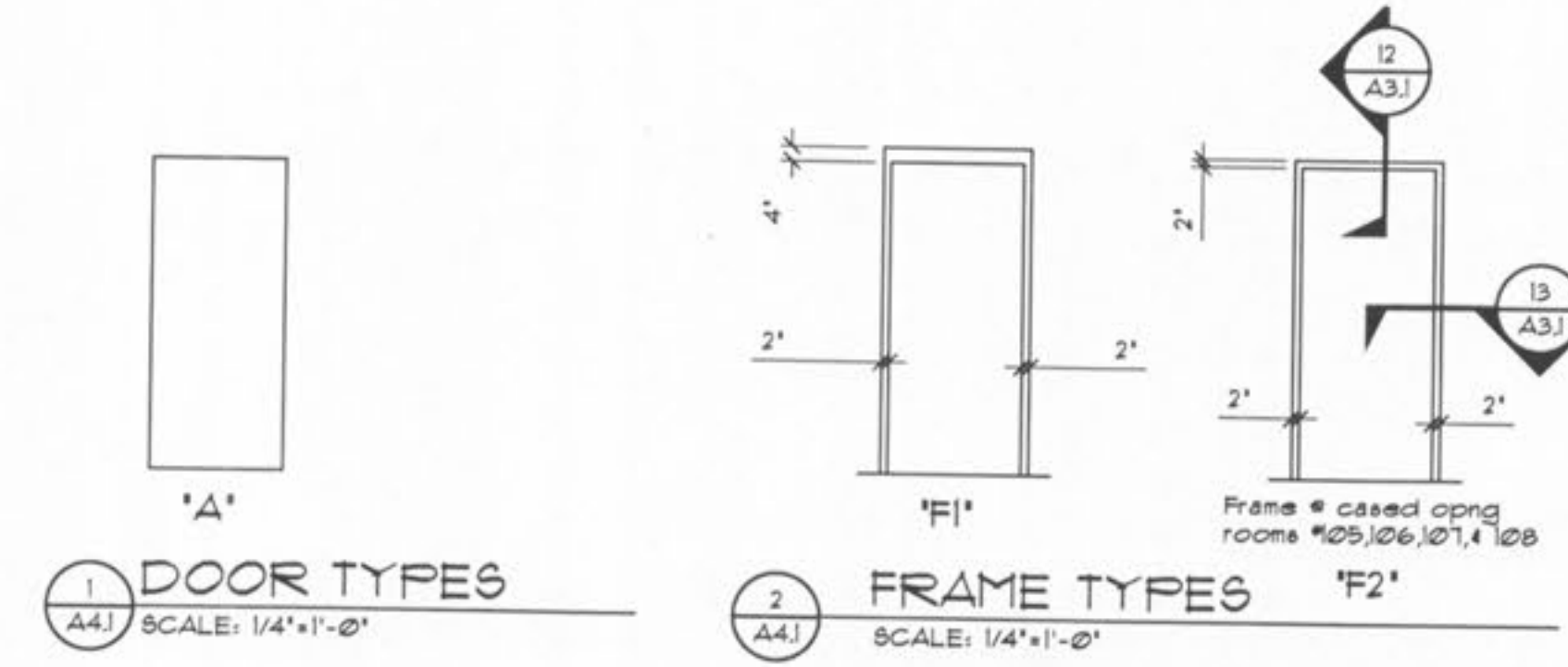
KEYED REMARKS

- ⊠ Shower floor, 4 cmu walls to be painted with epoxy coating P-3
- ⊠ 1x4 wd cornice trim @ top of CMU walls (P-1)
- ⊠ NOT USED
- ⊠ Conc flr to be sealed with sealer/hardener 'SLR' see specifications

BASE BID DOOR SCHEDULE

DOOR NO.	DOOR TYPE	DOOR SIZE	HDWE. GRP.	DOOR MATL.	FRAME TYPE	FRM. MATL.	DETAIL			GLASS TYPE	ROOM NO.	UL RING.	REMARKS
							H	J	S				
100	A	3'0" x 7'0" x 1 3/4" (pair)	1	M	F2	M	5 A3.1	6 A3.1	7 A3.1		100		
101		NOT USED											
102	A	3'0" x 6'0" x 1 3/4"	3	M	F2	M	5 A3.1	6 A3.1	7 A3.1		103		
103		NOT USED											
104	A	3'0" x 7'0" x 1 3/4"	3	M	F2	M	5 A3.1	6 A3.1	7 A3.1		109		
105		NOT USED											
106	A	3'0" x 7'0" x 1 3/4"	1	M	F2	M	5 A3.1	6 A3.1	7 A3.1		112		

REMARKS:



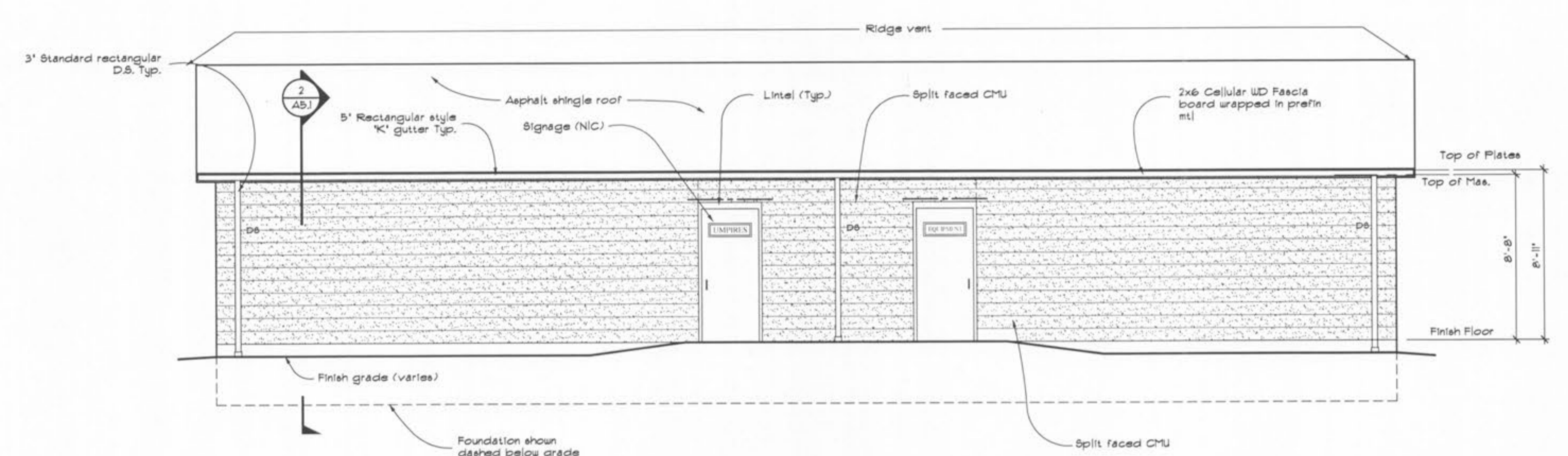
New Club House for:  
**TR HUGHES BALLPARK AT THE  
 OZZIE SMITH SPORTS COMPLEX**  
 O'Fallon, Missouri

SHEET TITLE	Schedules Door Details
REVISIONS	
PROJECT NO.	0480-A-D6
ISSUE DATE	February 16, 2001
SHEET NO.	A3.1

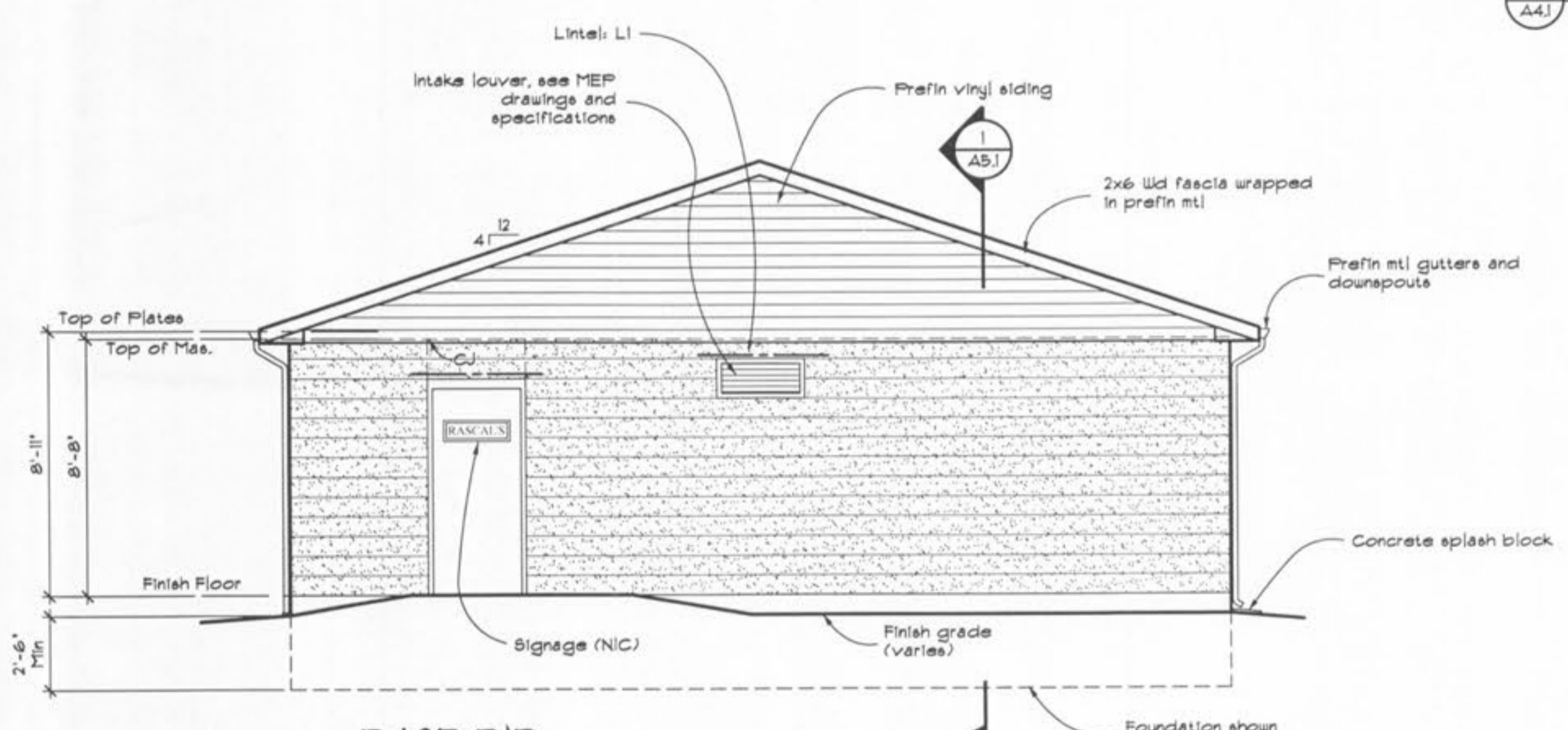


3 Lafayette St., Washington, DC 20045  
 Phone: 202-462-1100  
 Email: hornarchitects@aia.com

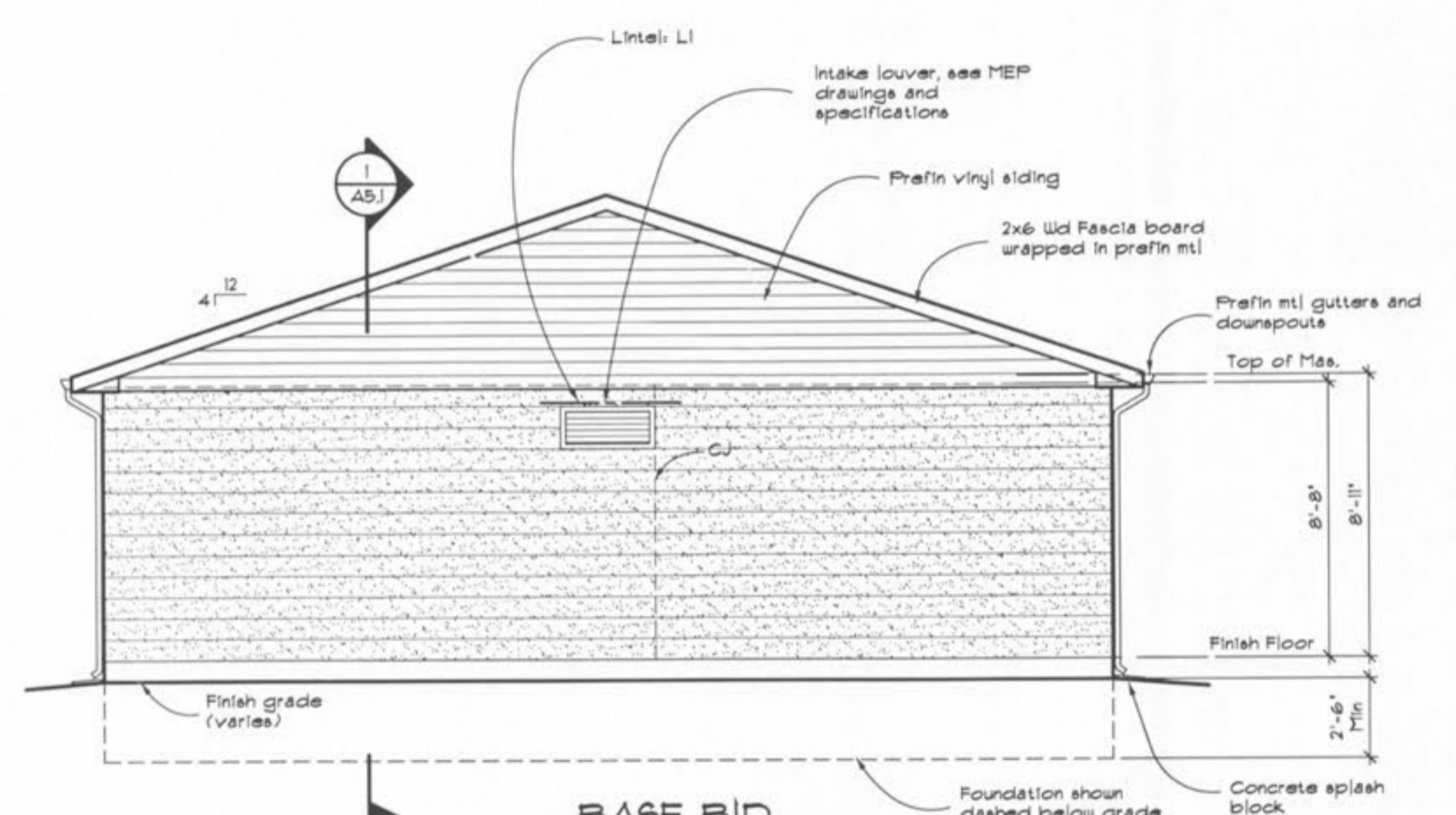
New Club House for:  
**TR HUGHES BALLPARK AT THE  
 OZZIE SMITH SPORTS COMPLEX**



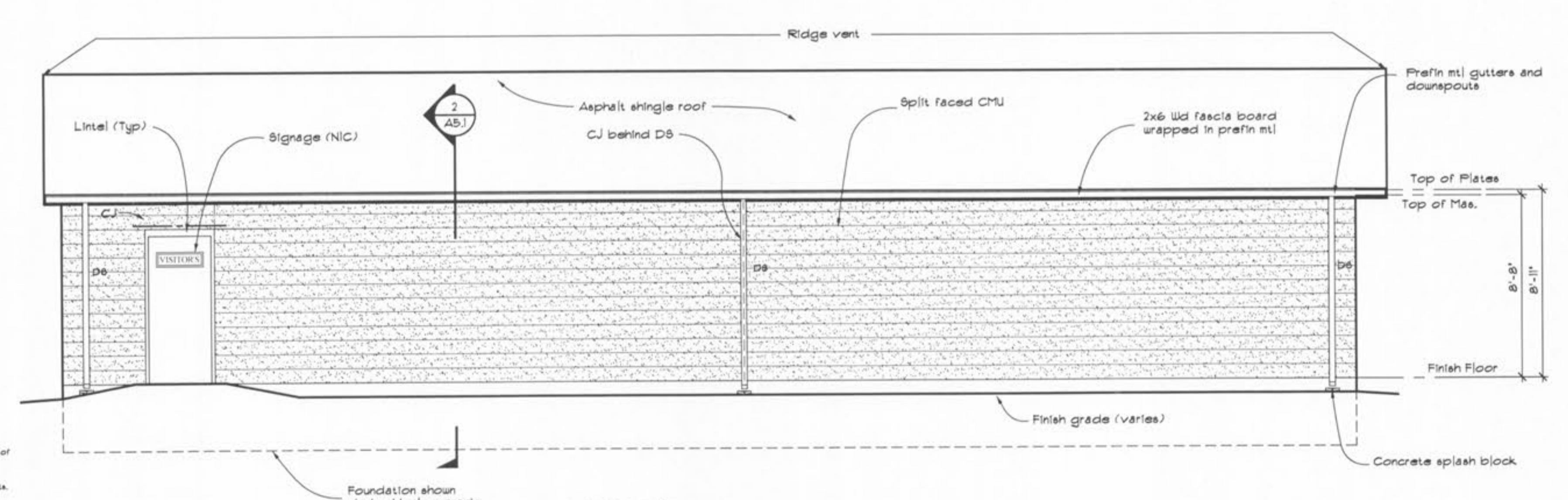
**BASE BID SOUTH ELEVATION**  
 1 A4.1 Scale: 1/4" = 1'-0"



**BASE BID WEST ELEVATION**  
 2 A4.1 Scale: 1/4" = 1'-0"



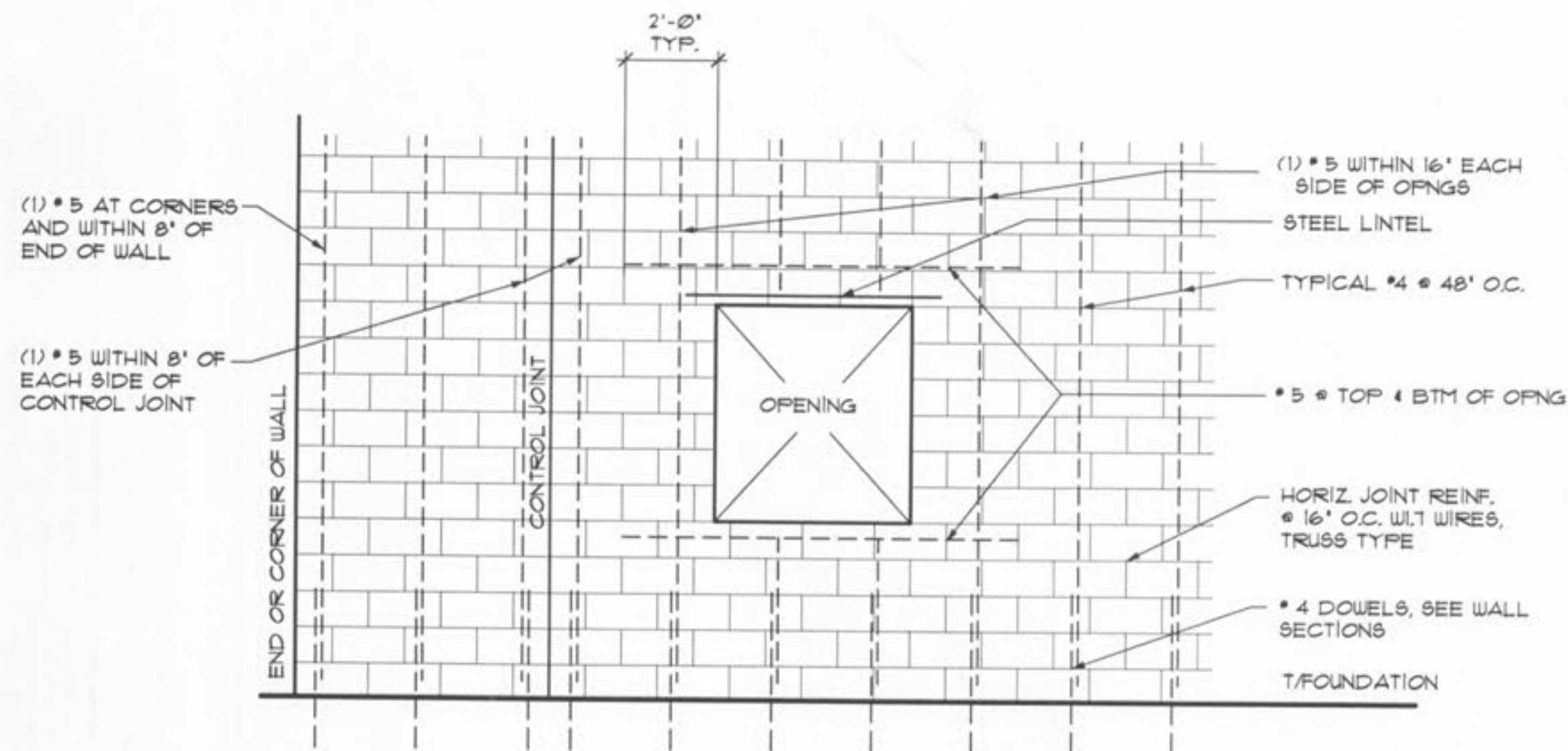
**BASE BID EAST ELEVATION**  
 3 A4.1 Scale: 1/4" = 1'-0"



**BASE BID NORTH ELEVATION**  
 4 A4.1 Scale: 1/4" = 1'-0"

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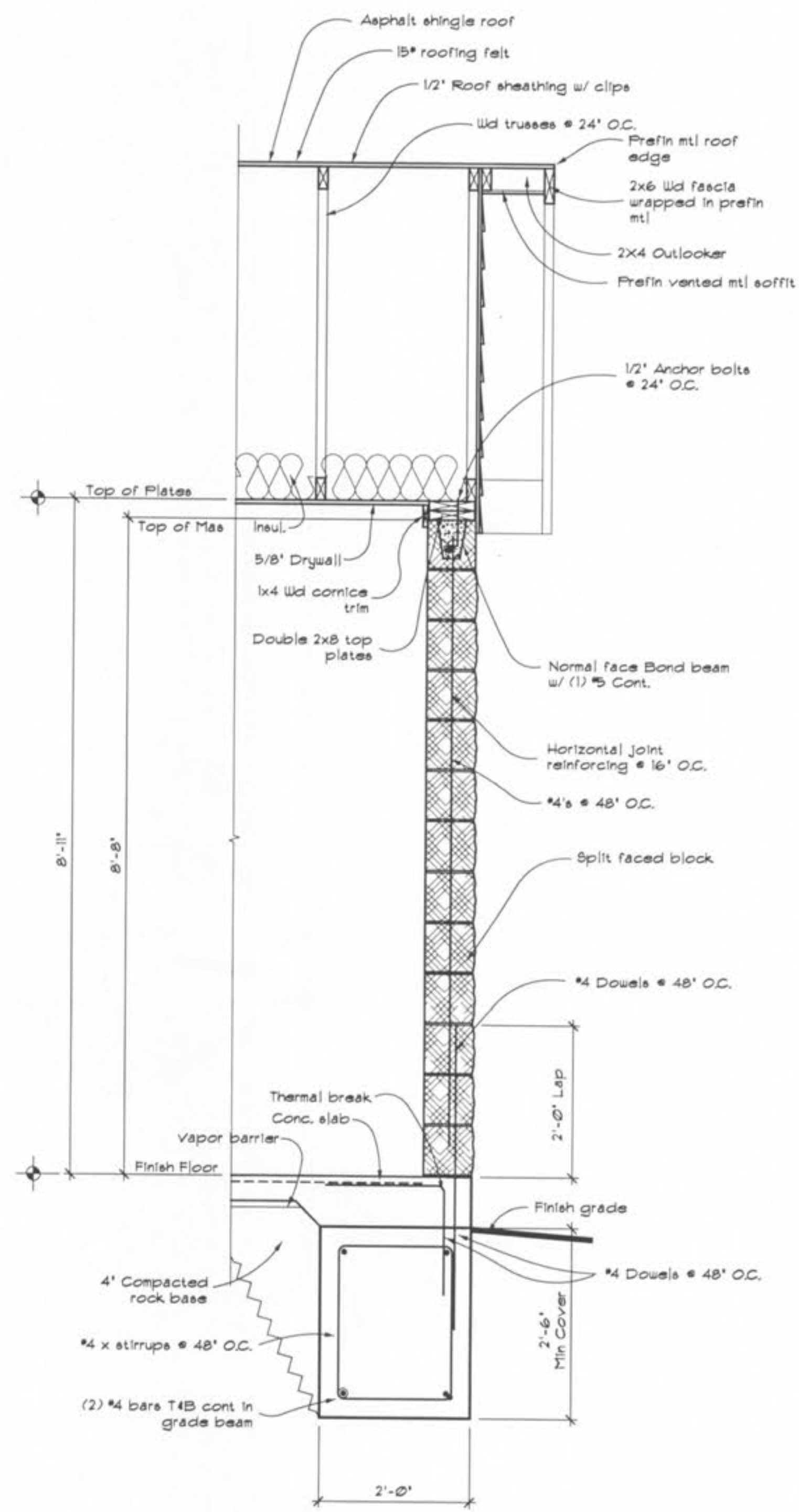
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Elevations	
<b>REVISIONS</b>	
△	
△	
△	
<b>PROJECT NO.</b>	0480-A-D6
<b>ISSUE DATE</b>	February 16, 2007
<b>SHEET NO.</b>	A4.1



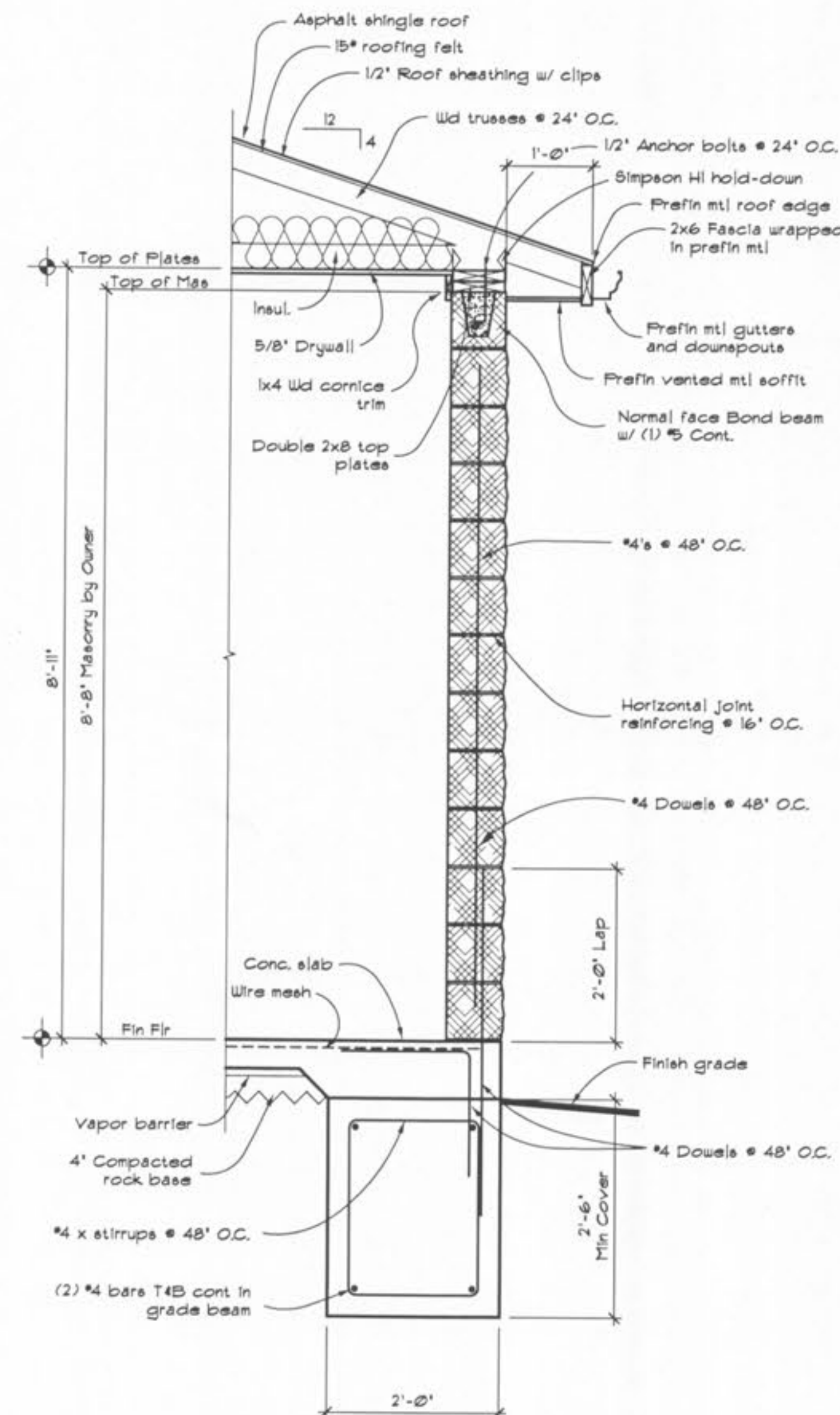
NOTE  
SEE WALL SECTIONS FOR BOND BEAM  
LOCATIONS AND REINFORCING

**ELEVATION - TYPICAL  
MASONRY WALL REINFORCING**

3  
A5.1  
NOT TO SCALE



1 WALL SECTION:  
A5.2 Scale: 3/4" = 1'-0"



2 WALL SECTION:  
A5.2 Scale: 3/4" = 1'-0"

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New Club House for:  
**TR HUGHES BALLPARK AT THE  
OZZIE SMITH SPORTS COMPLEX**  
OFallon, Missouri

SHEET TITLE	
Building Section	
REVISIONS	
△	
△	
△	
PROJECT NO.	
0480-A-D5	
ISSUE DATE	
February 16, 2007	
SHEET NO.	
A5.1	

**STRUCTURAL NOTES**

**GENERAL**

1. REFERENCE GEOTECHNICAL REPORT WAS NOT AVAILABLE FOR THIS PROJECT.
2. FOUNDATIONS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING CAPACITY OF 3000 PSF. FOOTING EXCAVATIONS SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER FOR HIGH PLASTIC CLAY AND TO VERIFY THE SOIL BEARING CAPACITY.
3. THE STRUCTURAL PLANS ARE TO BE USED WITH THE ARCHITECTURAL PLANS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK.

**CAST-IN-PLACE CONCRETE**

1. COMPLY WITH ASTM C94, ACI 301 - 'SPECIFICATION FOR STRUCTURAL CONCRETE', ACI 111 - 'SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS', CRSI - 'MANUAL OF STANDARD PRACTICE', ACI 318 - 'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE'.
2. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH (FC) AS FOLLOWS:  
FOOTINGS - 3000 PSI,  
SLABS, WALLS AND ALL OTHER - 4000 PSI.
3. DEFORMED REINFORCING BARS - ASTM A615, GR. 60.
4. WELDED WIRE FABRIC - ASTM A185, SUPPLIED IN FLAT SHEETS.
5. PORTLAND CEMENT - ASTM C150.
6. FLY ASH - ASTM C618, CLASS C OR F.
7. AGGREGATE - ASTM C33, UNIFORMLY GRADED.
8. AIR-ENTRAINING ADMIXTURE - ASTM C260, AIR CONTENT - 5.5 TO 12 PERCENT FOR CONCRETE EXPOSED TO FREEZING AND THAWING, 2 TO 4 PERCENT ELSEWHERE.
9. CHEMICAL ADMIXTURES - ASTM C494 OF TYPE REQUIRED FOR DESIGN MIX. DO NOT USE ADMIXTURES CONTAINING CALCIUM CHLORIDE.
10. FIBER REINFORCEMENT - ASTM C1116, TYPE III, SYNTHETIC FIBERS, 2 TO 1 INCH, WHERE INDICATED.
11. VAPOR BARRIER - CLEAR 6-MIL POLYETHYLENE SHEET BELOW SLABS ON GRADE.
12. PLACE CONCRETE IN A CONTINUOUS OPERATION AND CONSOLIDATE USING MECHANICAL VIBRATING EQUIPMENT.

**UNIT MASONRY ASSEMBLIES**

1. COMPLY WITH ACI 530 - 'BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES', ACI 530.1 - 'SPECIFICATION FOR MASONRY STRUCTURES'.
2. MINIMUM F<sub>m</sub> = 1500 PSI.
3. CONCRETE MASONRY UNITS - ASTM C90, NORMAL WEIGHT UNO.
4. MORTAR - ASTM C270, USE TYPE S FOR LOAD BEARING MASONRY, 2000 PSI MIN.
5. GROUT - ASTM C476 WITH A SLUMP OF 8 TO 11 INCHES.
6. DEFORMED REINFORCING BARS - ASTM A615, GR. 60, SPICED REINFORCING SHALL BE LAPPED 48 BAR DIAMETERS.
7. ALL HORIZONTAL REINFORCING (JOINT REINFORCING AND REBAR) SHALL STOP AT CONTROL JOINTS.
8. JOINT REINFORCEMENT - ASTM A951, GALVANIZED, TRUSS DESIGN, W.I.T WIRE.
9. FILL CORES IN HOLLOW CONCRETE MASONRY UNITS WITH GROUT 24 INCHES UNDER BEARING PLATES, BEAMS, LINTELS, POSTS AND SIMILAR ITEMS.
10. LINTELS AND BEAMS SHALL BEAR 6 INCHES ON MASONRY UNO.
11. SPECIAL INSPECTION IS REQUIRED AT MASONRY BEARING WALLS.

**STRUCTURAL STEEL**

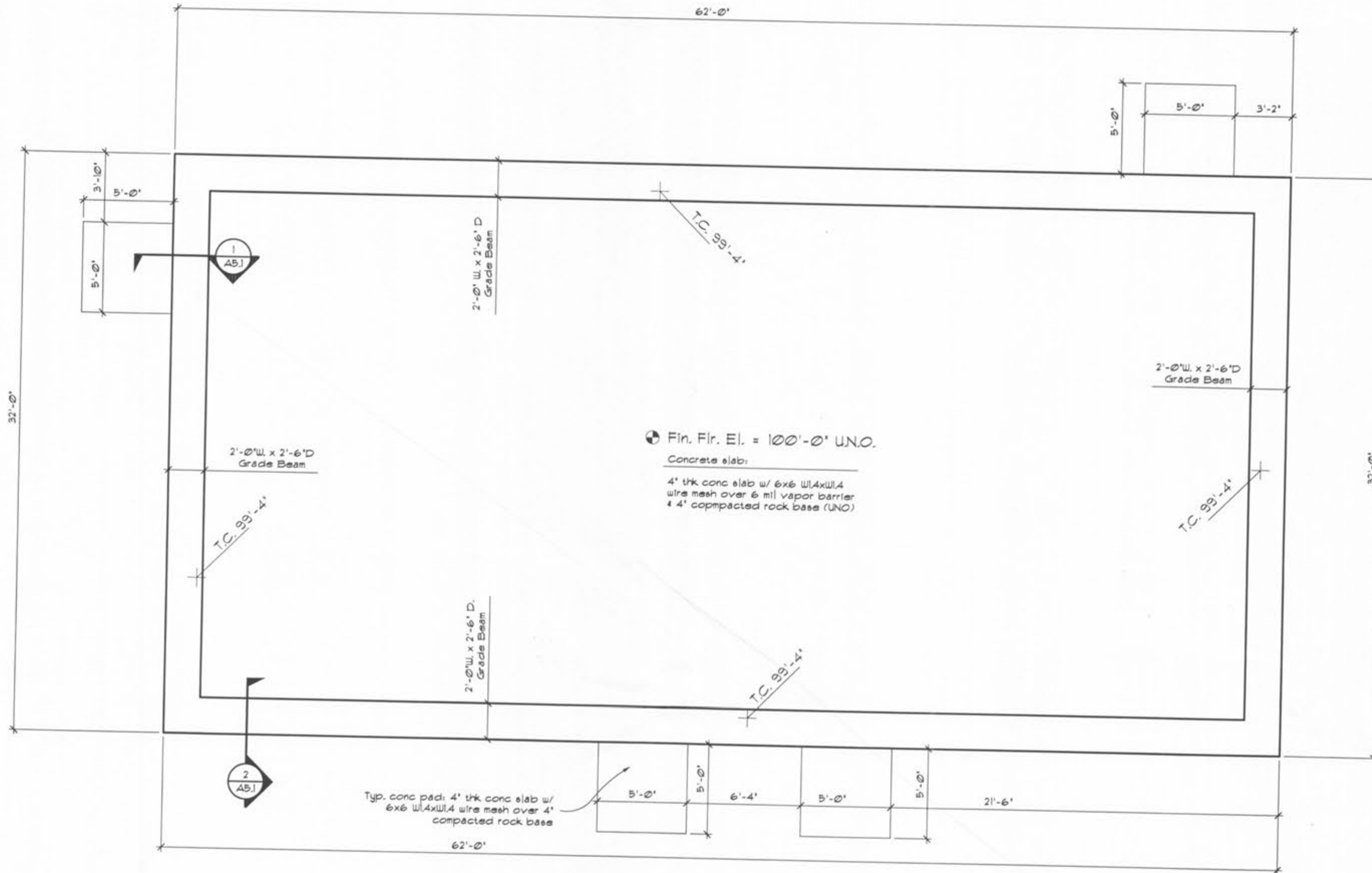
1. COMPLY WITH AISC - 'SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN', AISC - 'CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES', RCSC - 'SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS', AWS D11 - 'STRUCTURAL WELDING CODE - STEEL'.
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:  
W-SHAPES - ASTM A992 (F<sub>y</sub> = 50 KSI),  
STRUCTURAL SHAPES (EXCEPT W-SHAPES), PLATES AND BARS - ASTM A36 (F<sub>y</sub> = 36 KSI),  
SQUARE AND RECTANGULAR HSS - ASTM A500, GR. B (F<sub>y</sub> = 46 KSI),  
STEEL PIPE - ASTM A53, GR. B (F<sub>y</sub> = 35 KSI),  
3. STRUCTURAL BOLTS - ASTM A325 OR ASTM F1552 TC BOLTS,  
4. ANCHOR BOLTS - ASTM F1554, GR. 36,  
5. GROUT - ASTM C1107, NON-METALLIC, SHRINKAGE RESISTANT, PACK GROUT SOLIDLY BETWEEN BEARING PLATES/BASE PLATES AND THE BEARING SURFACE.

**ROUGH CARPENTRY**

1. COMPLY WITH AFPA NDS - 'NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION'.
2. PROVIDED DRESSED LUMBER, 54% 19 PERCENT MAXIMUM MOISTURE CONTENT FOR 2" NOMINAL THICKNESS LUMBER.
3. PRESERVATIVE TREATED MATERIALS - AFPA C2 LUMBER AND AFPA C3 PLYWOOD, TREAT WOOD MEMBERS IN CONTACT WITH MASONRY OR CONCRETE, WOOD MEMBERS EXPOSED TO THE EXTERIOR AND AS INDICATED.
4. PROVIDE DIMENSIONAL LUMBER FOR LOAD BEARING FRAMING AS FOLLOWS:  
2X4 & 2X6 - SPRUCE-PINE-FUR NO 2,  
2X8, 2X10 AND 2X12 - SOUTHERN PINE NO 2  
ARCHITECTURALLY EXPOSED FRAMING - SOUTHERN PINE NO 1 HAND SELECT UNO.
5. LAMINATED VENEER LUMBER (LVL) - STRUCTURAL COMPOSITE LUMBER COMPLYING WITH ASTM D5456 AND HAVING THE FOLLOWING MINIMUM PROPERTIES:  
ALLOWABLE FLEXURAL STRESS - F<sub>b</sub> = 2600 PSI FOR 12" DEPTH MEMBERS,  
MODULES OF ELASTICITY - E = 1900000 PSI.
6. WOOD JOIST - PREFABRICATED UNITS COMPLYING WITH ASTM D5095 WITH DEPTHS AND PERFORMANCE RATINGS NOT LESS THAN THOSE INDICATED, FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR RIM BOARDS, WEB STIFFENERS, CONNECTIONS AND OTHER DETAILS RELATIVE TO JOIST.
7. PLYWOOD WALL SHEATHING, ROOF SHEATHING, AND SUBFLOORING - APA RATED SHEATHING, EXPOSURE 1.
8. BOLTS - ASTM A307
9. METAL FRAMING ANCHORS - HOT-DIP GALVANIZED STEEL OF STRUCTURAL CAPACITY, TYPE AND SIZE REQUIRED.
10. ADHESIVES FOR FIELD GLUING PANELS TO FRAMING - APA ARG-01
11. SECURELY ATTACH ROUGH CARPENTRY TO SUBSTRATES IN ACCORDANCE WITH THE TABLE 2305.2, 'FASTENING SCHEDULE' IN THE BOCA NATIONAL BUILDING CODE, WHERE METAL FRAMING ANCHORS ARE USED COMPLY WITH THE PUBLISHED REQUIREMENTS OF THE ANCHOR MANUFACTURER.

**METAL PLATE CONNECTED WOOD TRUSSES**

1. COMPLY WITH TPI-1 'NATIONAL DESIGN STANDARDS FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION', TPI HIB - 'COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING & BRACING METAL PLATE CONNECTED WOOD TRUSSES', AND AFPA NDS - 'NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION'.
2. CONNECTOR PLATES - TPI 1, FABRICATED FROM HOT-DIP GALVANIZED STEEL SHEET COMPLYING WITH ASTM A653, G60 COATING.
3. METAL FRAMING ANCHORS - HOT-DIP GALVANIZED STEEL OF STRUCTURAL CAPACITY, TYPE AND SIZE REQUIRED.
4. ANCHOR TRUSSES AT BEARING POINTS USING METAL FRAMING ANCHORS.

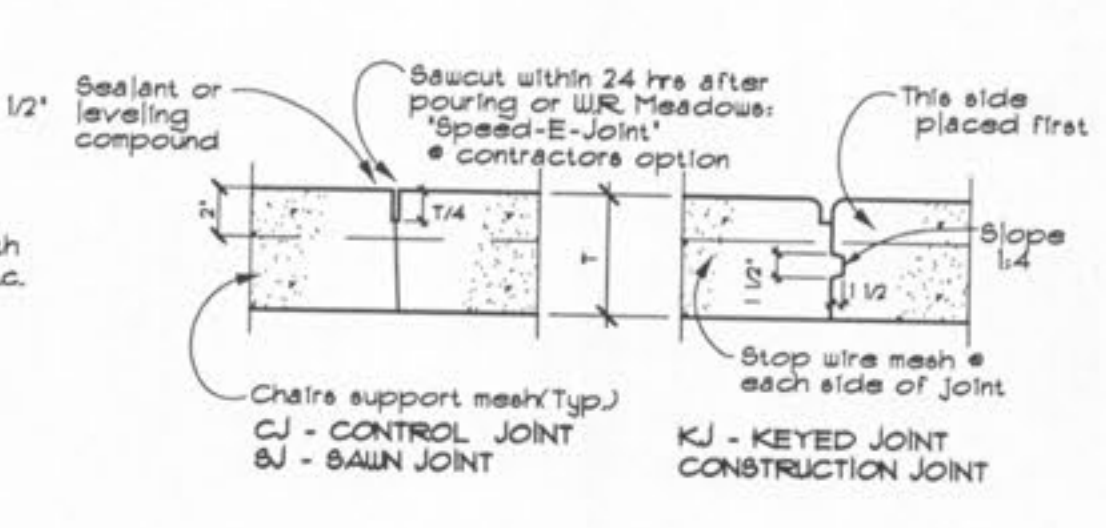
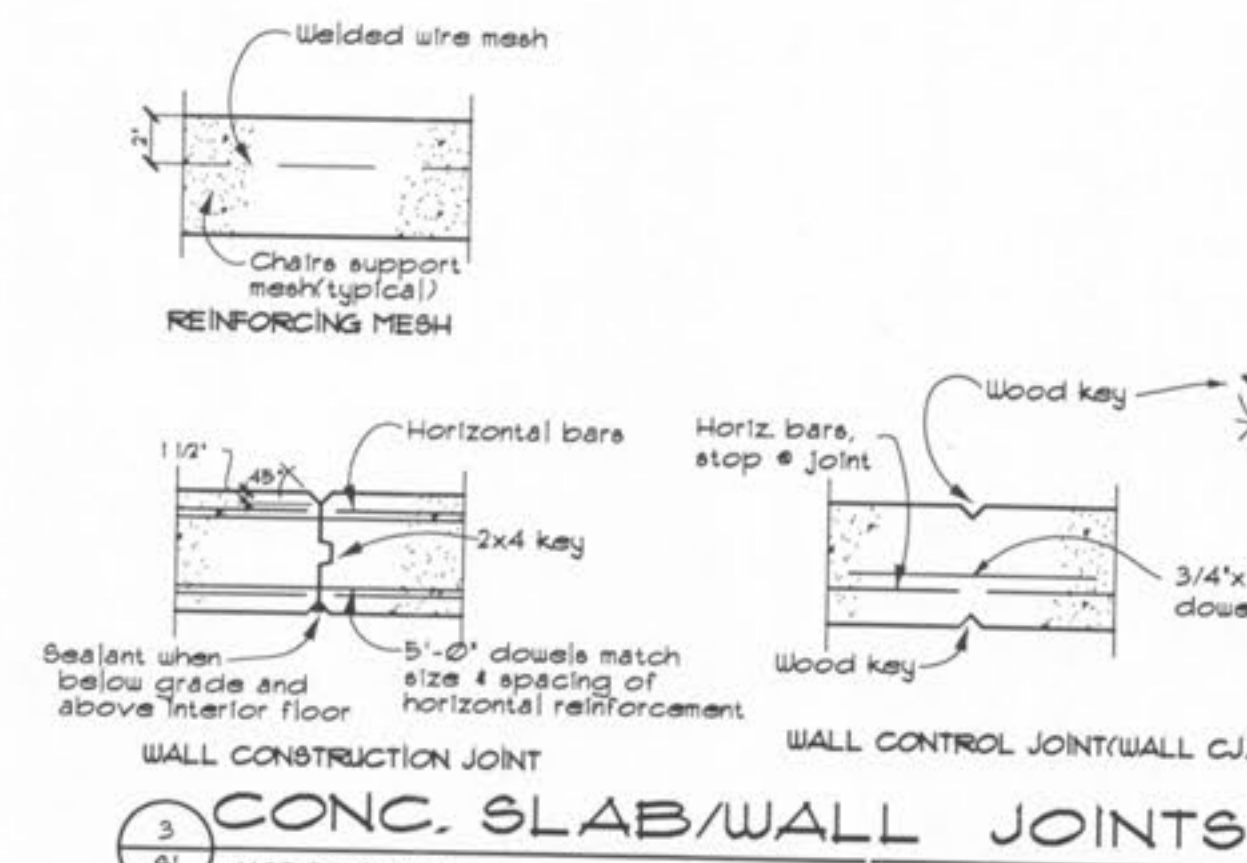
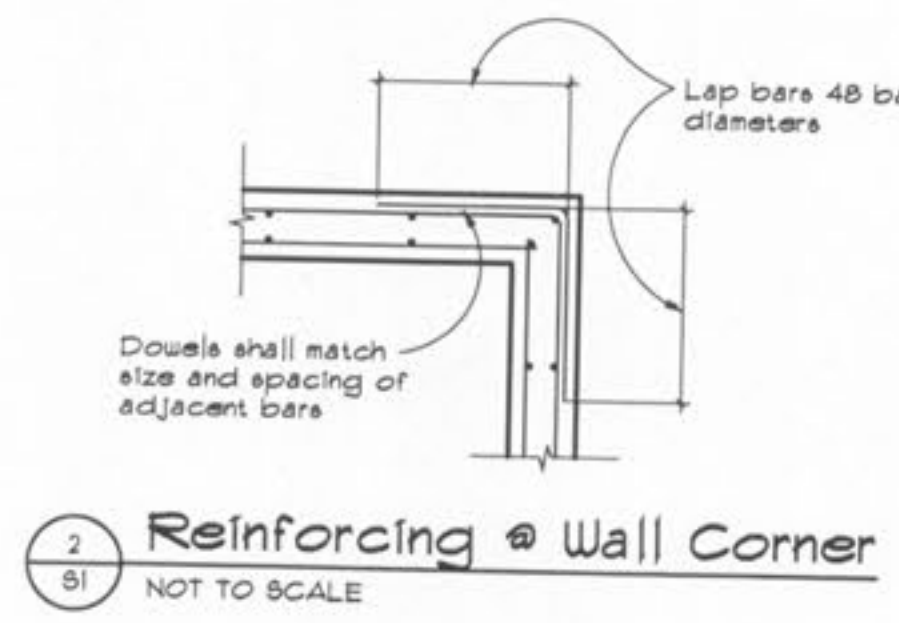


**FOUNDATION PLAN**

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



SAWN CONTROL JOINTS SHALL BE LOCATED @ 16' MAX INTERVALS IN A MANNER THAT EACH FLOOR SLAB IS GENERALLY RECTANGULAR. SAWN CONTROL JOINTS SHALL BE 1/4 THE SLAB THICKNESS.



SHEET TITLE	
Foundation Plan	
REVISIONS	
PROJECT NO.	0480-A-DS
ISSUE DATE	February 16, 2001
SHEET NO.	51

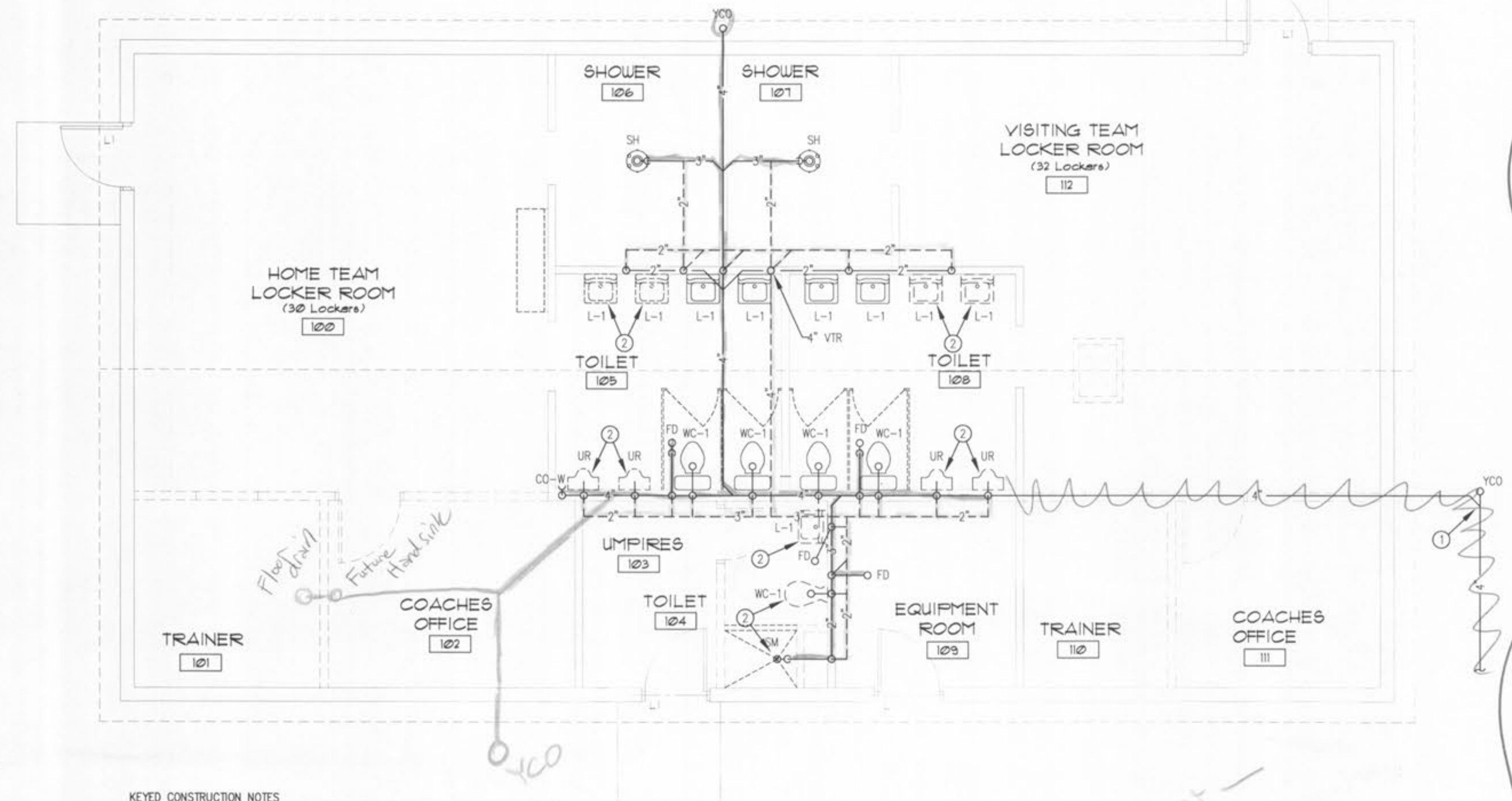
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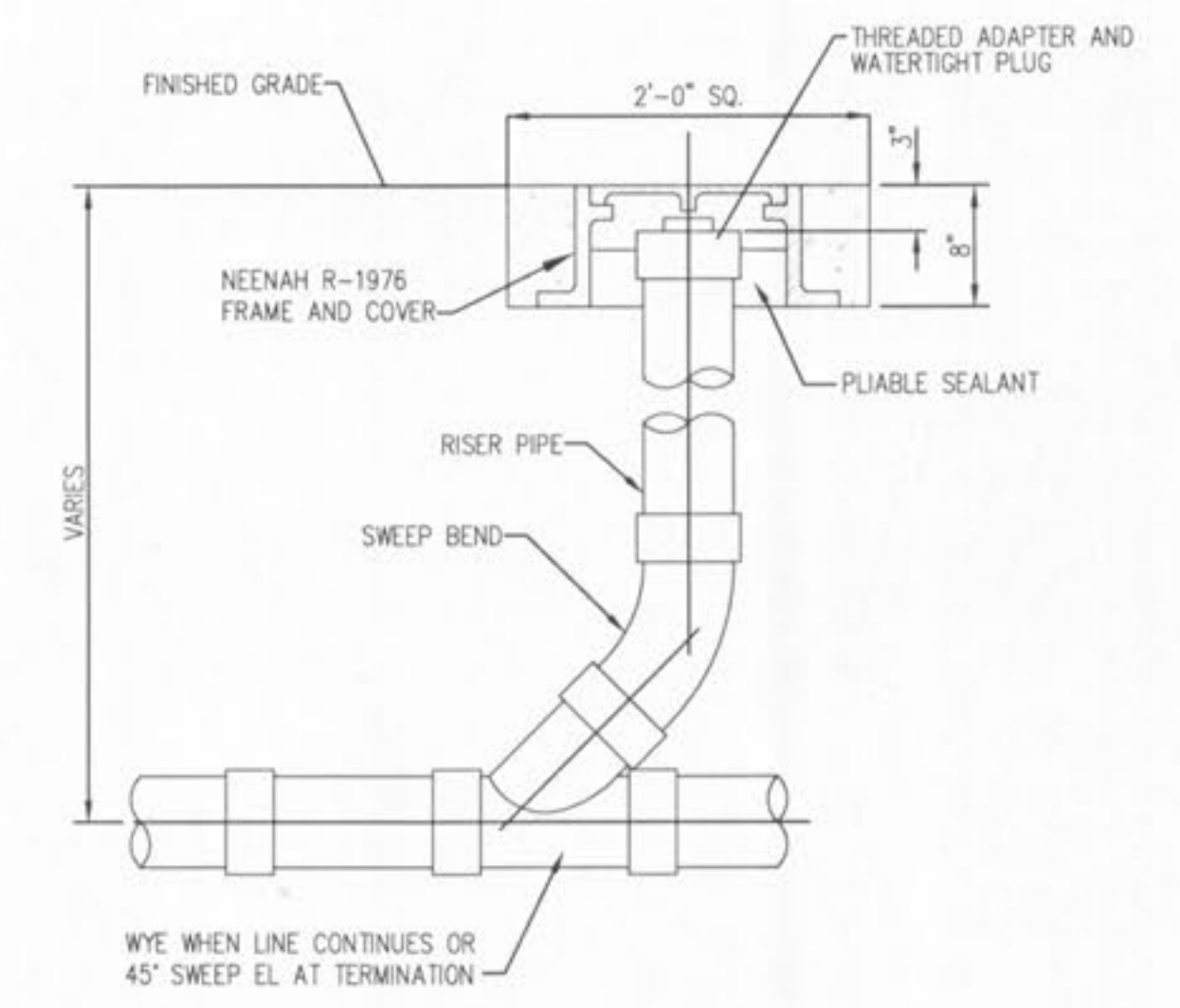
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DESIGN CRITERIA				
LOCATION	DRAINAGE (DFU'S)	CW (WSFU'S)	HW (WSFU'S)	TOTAL (WSFU'S)
BUILDING TOTAL	75.0	71.25	26.25	81.6
TOTAL WATER DEMAND FOR LOCKER ROOMS = 62 GPM				



*\* Refer to As-Built Drawings Located in the Operations & Maintenance Manual under Division 15*



YARD CLEANOUT DETAIL  
SCALE: NOT TO SCALE

- KEYED CONSTRUCTION NOTES**
- NEW 4" BUILDING SEWER. CONNECT TO EXISTING SANITARY SEWER SOUTH OF BUILDING. FIELD VERIFY EXACT LOCATION.
  - BASE BID INCLUDES PLUMBING ROUGH-IN ONLY. FIXTURES ARE TO BE INSTALLED UNDER ALTERNATE BID NO. 1.



TAG	DESCRIPTION	MFR	MODEL	COMMENTS	BRANCH PIPE SIZE			
					CW	HW	W	V
WC-1	FLOOR MOUNTED WATER CLOSET, VITREOUS CHINA, ELONGATED BOWL, SIPHON JET, CLOSE-COUPLED TANK, 1.6 GAL PER FLUSH, WHITE	KOHLER	HIGHLINE K-3427		1/2"		3"	2"
	SEAT - ELONGATED, HEAVY DUTY, SOLID PLASTIC OPEN FRONT, WITH LIFT-OFF HINGE SYSTEM	BEMIS	DURAGUARD 2155C					
UR	WALL HUNG, SIPHON JET FLUSHING ACTION, ELONGATED RIM VITREOUS CHINA URINAL WITH 3/4" TOP SPUD, WHITE	KOHLER	DEXTER K-5016-ET				2"	2"
	FLUSH VALVE BATTERY POWERED, SENSOR OPERATED FLUSHMETER LESS HANDLE FOR 3/4" TOP SPUD URINALS, 1.0 GPF	SLOAN	8186-LH-MC		3/4"			
	CARRIER	WADE	400 SERIES					
L-1	WALL HUNG, 21"W X 18" LAVATORY, VITREOUS CHINA WITH FAUCET HOLES ON 4" CENTERS. WHITE	KOHLER	K-2005-4				2"	1-1/2"
	FAUCET & DRAIN TWO-HANDLE CENTERSET FAUCET WITH LEVER HANDLES AND WASHERLESS CERAMIC VALVES, GRID DRAIN, 2.2 GPM	KOHLER SYMMONS	K-15243-4-CP S-240-G-LAM		1/2"	1/2"		
	CARRIER	WADE	400 SERIES					
FD	FLOOR DRAIN - CAST IRON BODY WITH POLISHED NICKEL BRONZE TOP, NO HUB OUTLET, HEAVY DUTY GRATE	ZURN	ZN-415-XB-HD	X=5 IN TOILET ROOMS X=6 EVERYWHERE ELSE			2"	2"
CO-F	FLOOR CLEANOUT - ADJUSTABLE, CAST IRON BODY, POLISHED NICKEL BRONZE TOP, BRONZE PLUG, NO-HUB OUTLET	ZURN	ZN-1400-BP					VARIES
CO-W	WALL CLEANOUT TEE - CAST IRON BODY, POLISHED SS WALL ACCESS COVER, BRONZE PLUG, NO-HUB OUTLET, VANDAL PROOF SECURED TOP	ZURN	Z-1446-BP-VP					VARIES

TAG	DESCRIPTION	MFR	MODEL	COMMENTS	BRANCH PIPE SIZE			
					CW	HW	W	V
YCO	YARD CLEANOUT - THREADED ADAPTER WITH WATERTIGHT PLUG 12" HEAVY DUTY CLEANOUT HOUSING, CAST IRON BODY WITH INTEGRAL ANCHOR FLANGE AND COVER	NEENAH	R-1976					VARIES
SM	SHOWER: 42" X 36" DOMELESS FIBERGLASS (FRP) SHOWER MODULE, WHITE IN COLOR 2" SHOWER DRAIN	KOHLER	K-1617				2"	2"
	SHOWER VALVE - PRESSURE-BALANCED THERMOSTATIC VALVE CONFORMING TO ASSE 1016, 2.5 GPM, SHOWER HEAD, ARM AND FLANGE.	KOHLER SYMMONS	K-T15611-X4-CP/K-304-K S-76-1-LAM		1/2"	1/2"		
SH	SHOWER SYSTEM - 4 PERSON COLUMN SHOWER 16 GA 304 SS COLUMN POLISHED TO #4 FINISH, 13 GA BASE FLANGE, SOAP TRAY FOR EACH STATION, DRAIN FOR OFF-LINE VENT WITH SUPPLIES FROM BELOW, 6'-0" HEIGHT, MIXING VALVE FOR EACH STATION.	BRADLEY	4C/A/6'-0/BV/SF		3/4"	3/4"		
GW	GAS TANKLESS WATER HEATER (4 REQ) 0.6 GPM TO 6.0 GPM AT 50F RISE, 15-180 MBH ADJ. TEMP SETTING, LP GAS	RINNAI	2532FFUC	PROVIDE W/CONCENTRIC VENT KIT	3/4"	3/4"		
WF	WALL FAUCET ANTI-SIPHON VACUUM BREAKER PROTECTED WITH HOSE CONNECTION AND LOOSE TEE KEY HANDLE.	WOODFORD	MODEL 24		3/4"			

*\* As Built Drawings Located in Operations & Maintenance Manual*

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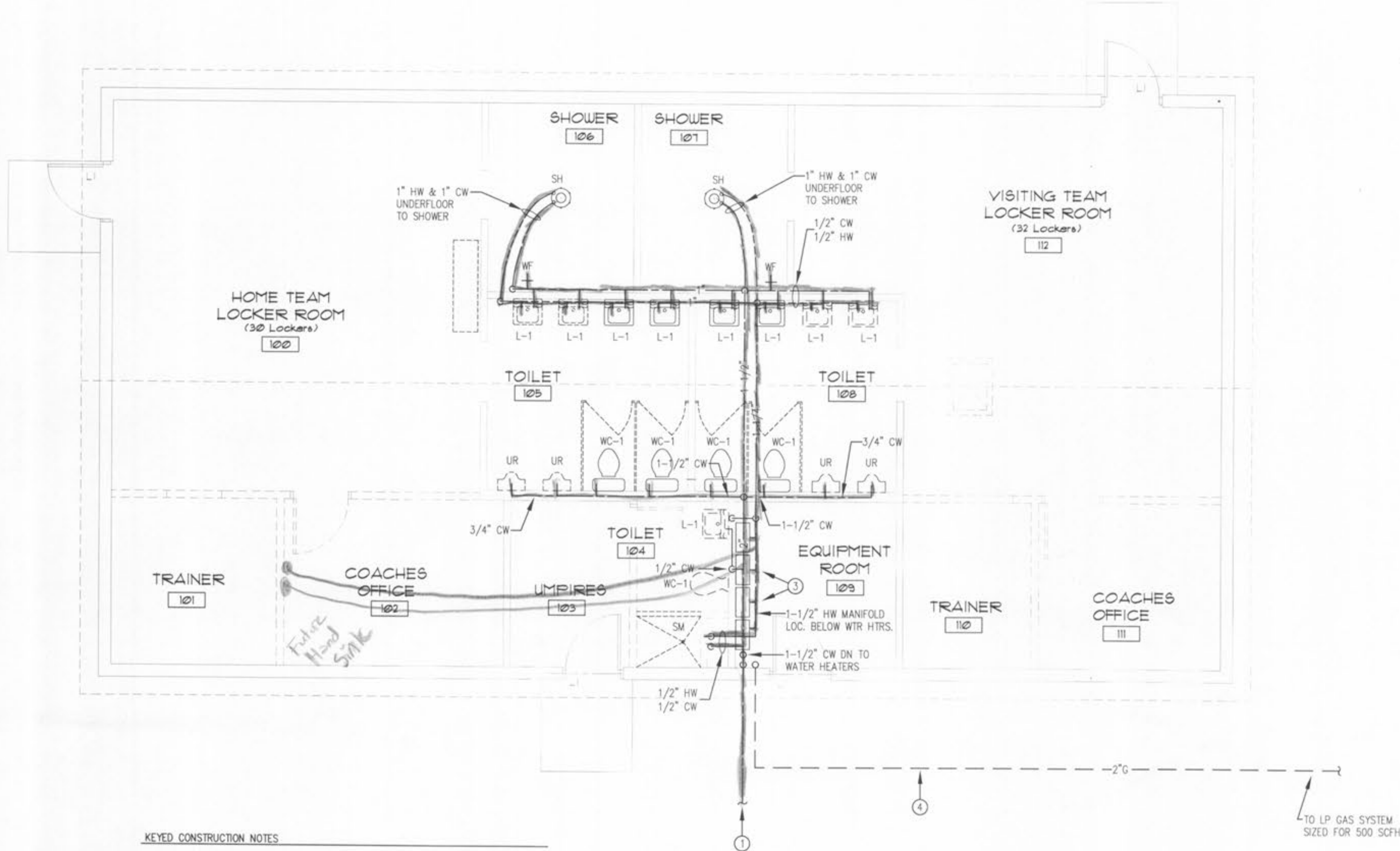
**SHEET TITLE**  
WASTE & VENT PLUMBING PLAN

**REVISIONS**


**PROJECT NO.**  
0480-DS

**ISSUE DATE**  
February 17, 2007

**SHEET NO.**  
P1.1



- KEYED CONSTRUCTION NOTES**
- NEW 2" DOMESTIC WATER SERVICE. CONNECT TO EXISTING WATER MAIN DOWNSTREAM OF EXISTING WATER METER AND SHUT-OFF VALVE LOCATED IN METER PIT/Vault ADJACENT TO BUILDING.
  - NOT USED
  - GAS TANKLESS WATER HEATERS (4 REQ). MOUNT ON WALL APPROXIMATELY AS SHOWN. PIPE UNITS IN PARALLEL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. VENT EACH WATER HEATER THRU ROOF WITH MANUFACTURER SUPPLIED CONCENTRIC VENT KIT.
  - 2" LP GAS LINE FROM TANK. SEE SITE PLAN FOR LOCATION. PROVIDE MAIN SHUT-OFF BALL VALVE IN VERTICAL INSIDE BUILDING. PIPE LP GAS TO EACH WATER HEATER. PROVIDE DRIP LEG, SHUT-OFF VALVE AND UNION AT EACH WATER HEATER.

NOTE: WATER SUPPLY PIPING SHALL BE EXPOSED OR LOCATED IN PLUMBING CHASES UNLESS OTHERWISE INDICATED. EXPOSED PIPING SHALL BE SURFACE MOUNTED AND HELD TIGHT TO WALL OR CEILING. SUPPLY PIPING SHALL NOT BE LOCATED IN ATTIC SPACE.

Cold  
HOT



\* Plumbing AS-Built Drawings are located in the Operations & Maintenance Manual under Division 15

- GENERAL PLUMBING NOTES**
- ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE, LATEST EDITION AND ALL APPLICABLE LOCAL CODES.
  - WASTE AND VENT PIPING SHALL BE SCH 40 PVC OR CAST IRON. NO HUB CAST IRON SHALL BE USED IN ALL PLENUM SPACES.
  - ALL WATER SUPPLY PIPING SHALL BE TYPE L COPPER AND INSULATED WITH 1-INCH OF FIBERGLASS INSULATION WITH ALL SERVICE JACKET (ASJ).
  - MAINTAIN ACCESS TO ALL CLEAN OUTS AND VALVES.
  - BACKFILL ALL EXCAVATIONS TO 95% PROCTER DENSITY. SUB-GRADE WHERE DISTURBED, SHALL BE REPLACED WITH 6-INCHES OF NEW COMPACTED MATERIAL.
  - EXISTING UTILITY CONNECTION LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL UTILITY CONNECTIONS.
  - EXTEND PLUMBING VENTS THROUGH ROOF. PLUMBING VENTS SHALL BE LOCATED A MIN. OF 10 FT. FROM HVAC ROOFTOP EQUIPMENT.
  - WATER HAMMER ARRESTORS SHALL BE INSTALLED AT THE ENDS OF LONG PIPE RUNS, NEAR BATTERIES OF FIXTURES AND NEAR FAST CLOSING VALVES. AIR CHAMBERS SHALL BE AT LEAST 12-INCHES IN LENGTH AND THE SAME SIZE AS THE FIXTURE SUPPLY.
  - PROVIDE A SEPARATE TRAP WITH CLEANOUT FOR EACH FIXTURE. FIXTURE TRAPS SHALL BE TUBULAR WALL TYPE, MINIMUM 17 GAUGE WITH INTEGRAL CLEANOUT PLUGS, POLISHED CHROME PLATED FINISH, EXCEPT WHERE SHOWN OR SPECIFIED OTHERWISE. SIZE TRAP TO FIT FIXTURE TAILPIECE.
  - PROVIDE AN ACCESSIBLE LOOSE KEY OR SCREWDRIVER STOP IN ALL WATER SUPPLIES TO ALL FIXTURES.
  - PROVIDE A CHROME PLATED BRASS ESCUTCHEON PLATE FASTENED IN PLACE FOR ALL WALL PENETRATIONS FOR EXPOSED CONNECTIONS TO FIXTURES.
  - FIRE CAULK/STOP ALL PENETRATIONS THRU FIRE RATED CONSTRUCTION.

PLUMBING LEGEND	
---	DOMESTIC COLD WATER (CW)
---	DOMESTIC 115° HOT WATER (HW)
---	DOMESTIC 140° HOT WATER (HW)
---	DOMESTIC HOT WATER RECIRC. (HWR)
---	SEWER OR WASTE (W)
---	VENT LINE (V)
---	NATURAL GAS (G)
○	RISE
⊖	DROP
— —	CAP ON END OF PIPE
—+—	POINT OF CONNECTION
—○—	FLOOR CLEAN OUT
—∞—	WALL CLEAN OUT
— ○ —	BALL VALVE
— X —	CHECK VALVE
— Δ —	BALANCING VALVE
○	FLOOR DRAIN
▶	CIRCULATING PUMP

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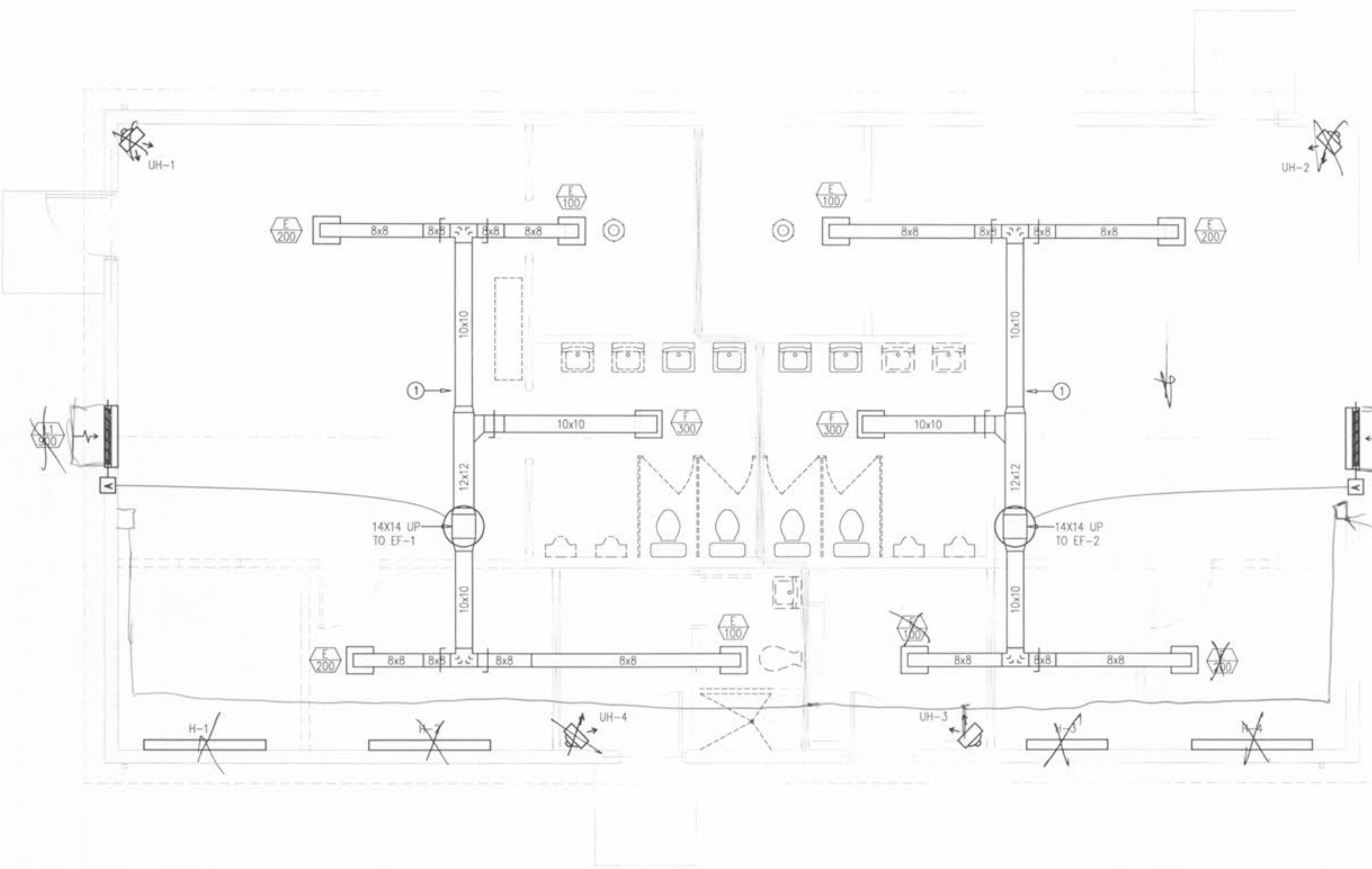
SHEET TITLE  
PLUMBING SUPPLY PLAN

REVISIONS

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February 17, 2007

SHEET NO.  
P2.1



**MECHANICAL PLAN**  
Scale: 1/4" = 1'-0"  
0 1' 2' 4'

- GENERAL MECHANICAL NOTES**
- ALL MECHANICAL INSTALLATIONS SHALL BE IN STRICT ACCORDANCE WITH ASHRAE, SMACNA, NFPA-90A, NFPA-90B, AND ALL OTHER STATE AND LOCAL CODES.
  - FRESH AIR SUPPLIED TO THE SPACE SHALL BE IN COMPLIANCE WITH ANSI/ASHRAE 62-1999 UNLESS ANOTHER CODE/STANDARD HAS PRECEDENCE.
  - INSTALL FIRE DAMPERS AS REQUIRED AT ALL PENETRATIONS THROUGH FIRE RATED CONSTRUCTION.
  - ACCESS POINTS SHALL BE INSTALLED IN THE DUCTWORK BEFORE AND AFTER EACH TURNING VANE, REFER TO NFPA-90 AND THE SPECIFICATIONS FOR THE LOCATIONS OF ADDITIONAL ACCESS POINTS.
  - INSULATE ALL DUCTWORK AS REQUIRED IN THE SPECIFICATIONS.
  - TEST AND BALANCE ALL MECHANICAL AIR SYSTEMS AS REQUIRED IN THE SPECIFICATIONS.
  - REPLACE ALL FILTERS AND CHECK ALL FRESH AIR DAMPERS/ECONOMIZERS FOR REQUIRED AIRFLOW AND PROPER OPERATION PRIOR TO COMPLETION OF CONSTRUCTION.
  - FLEXIBLE CONNECTIONS SHALL BE INSTALLED BETWEEN THE UNIT AND BOTH THE SUPPLY AND RETURN AIR DUCTWORK TO MINIMIZE NOISE AND VIBRATION.
  - ALL DUCTWORK SHALL BE GALV. STEEL OR FLEXIBLE DUCT SIZED AS SHOWN. SIZES SHOWN ON THE PLANS SHALL REFER TO UNOBSTRUCTED INTERNAL AIRFLOW AREA.
  - FLEXIBLE DUCTWORK SHALL BE A MAXIMUM OF TEN (10) FEET IN LENGTH AND SHALL BE ROUTED TO MINIMIZE TOTAL LENGTH. FLEXIBLE DUCTWORK SHALL HAVE NO KINKS OR SHARP BENDS.
  - TURNING VANES SHALL BE INSTALLED AS REQUIRED IN THE PLANS & SPECIFICATIONS.
  - ALL RUNOUTS TO AIR TERMINAL DEVICES SHALL HAVE A BUTTERFLY BALANCING DAMPER AT THE CONNECTION POINT TO THE MAIN OF BRANCH DUCT. DAMPER SHALL BE ACCESSIBLE (I.E. NOT COVERED BY INSULATION ETC.).
  - COORDINATE THE PAINT FINISH OF ALL EXTERIOR LOUVERS, WALL CAPS, AND GRAVITY VENTILATORS WITH THE ARCHITECT.
  - AIR HANDLING UNITS WITH DESIGN CAPACITIES OF 2000 CFM OR GREATER SHALL BE EQUIPPED WITH A DUCT MOUNTED (RETURN AIR) SMOKE DETECTOR. THE DETECTOR SHALL SHUT DOWN THE AIR HANDLING UNIT IN THE CASE OF A SMOKE EVENT.

- SEQUENCE OF OPERATIONS**
- EXHAUST FAN (EF-1/1)**  
Exhaust fan shall be controlled by the locker room light switch. Fresh air intake louver L1 shall be interlocked with EF-1 (i.e. L1 shall be open when EF-1 is operating.)
- EXHAUST FAN (EF-2/2)**  
Exhaust fan shall be controlled by the locker room light switch. Fresh air intake louver L2 shall be interlocked with EF-2 (i.e. L2 shall be open when EF-2 is operating.)

- KEYED NOTES**
- ① ROUTE EXHAUST AIR DUCTWORK IN ATTIC SPACE

**DIFFUSER & GRILLE SCHEDULE**

TAG	DESCRIPTION	MANUFACTURER	MODEL	SIZE	NECK (DIA)	FRAME/BORDER	THROW PATTERN	CEILING TYPE	FINISH	COMMENTS
E	RETURN/EXHAUST AIR DIFFUSER	PRICE	APDOR	8"x8"		TYPE 1		GYP.	WHITE	SURFACE MOUNT PERFORATED RETURN
F	RETURN/EXHAUST AIR DIFFUSER	PRICE	APDOR	10"x10"		TYPE 1		GYP.	WHITE	SURFACE MOUNT PERFORATED RETURN

**EXHAUST FAN (EF) SCHEDULE**

TAG	GENERAL INFORMATION	ELECTRICAL DATA								
MODEL NUMBER	FLOW (CFM)	STATIC PRESS. (WG)	RPM	OPENING (APPROX.)	WEIGHT (LBS)	NOTES	VOLTAGE	PHASE	HP	
EF-1	GREENHECK: GB-121-4	900	0.25	925	14.5"x14.5"	50	1,2,3	120	1	1/4
EF-2	GREENHECK: GB-121-4	900	0.25	925	14.5"x14.5"	50	1,2,3	120	1	1/4

- NOTES:**
- CONTROL FAN WITH LOCKER ROOM LIGHT SWITCH. COORD. WITH ELEC. CONTRACTOR.
  - PROVIDE WITH NON-FUSED DISCONNECT
  - PROVIDE FACTORY ROOF CURB

**BASEBOARD HEATER (H) SCHEDULE**

TAG	GENERAL INFORMATION	HEATING DATA	ELECTRICAL DATA						
MODEL NUMBER	WEIGHT (LB)	LENGTH (FT)	NOTES	OUTPUT (KW)	OUTPUT (BTUH)	VOLTAGE	PHASE	HP	AMPS
H-1	BERKO: BKOC2506W	14	6	1	1.5	5,100	208	1	7.2
H-2	BERKO: HUHA320	14	6	1	1.5	5,100	208	1	7.2
H-3	BERKO: HUHA320	14	4	1	1	3,400	208	1	4.8
H-4	BERKO: HUHA320	14	6	1	1.5	5,100	208	1	7.2

- NOTES:**
- PROVIDE INTEGRAL DISCONNECT AND T-STAT WITH RANGE 40F-85F.

**LOUVER SCHEDULE**

TAG	DESCRIPTION	MODEL	SIZE	FREE AREA	CONSTRUCTION	FINISH	NOTES	QTY
L1	FRESH AIR LOUVER	GREENHECK EAC-401	36" X 16"	.77	HEAVY GAUGE 6063T5 EXT. ALUM.	KYNAR	1,2,3,5,6,7	1
L2	FRESH AIR LOUVER	GREENHECK EAC-401	36" X 16"	.77	HEAVY GAUGE 6063T5 EXT. ALUM.	KYNAR	1,2,3,5,6,7	1

- NOTES:**
- AMCA CERTIFIED
  - DRAINABLE BLADE
  - INTEGRAL MOTORIZED DAMPER
  - FILTER RACK
  - 5-2-POSITION, 120V ACTUATOR SPRING CLOSED
  - EXTERIOR MOUNTED BIRD/INSECT SCREEN
  - EXTENDED SILL, AS NECESSARY
  - INTEGRAL BACKDRAFT DAMPER

**UNIT HEATER (UH) SCHEDULE**

TAG	GENERAL INFORMATION	HEATING DATA	AIRFLOW DATA	ELECTRICAL DATA								
MODEL NUMBER	WEIGHT (LB)	MTG. HEIGHT	NOTES	OUTPUT (KW)	OUTPUT (BTUH)	AIRFLOW (CFM)	VELOCITY (FPM)	THROW	VOLTAGE	PHASE	HP	AMPS
UH-1	BERKO: HUHA320	24	8' AFF	1	3	10,200	350	800	12	208	1	14.5
UH-2	BERKO: HUHA320	24	8' AFF	1	3	10,200	350	800	12	208	1	14.5
UH-3	BERKO: HUHA320	24	8' AFF	1	3	10,200	350	800	12	208	1	14.5
UH-4	BERKO: HUHA320	24	8' AFF	1	3	10,200	350	800	12	208	1	14.5

- NOTES:**
- PROVIDE INTEGRAL DISCONNECT AND T-STAT WITH RANGE 40F-85F.

**HVAC LEGEND**

SYMBOL	DESCRIPTION
	SUPPLY AIR DIFFUSER
	RETURN AIR DIFFUSER
	SUPPLY AIR DUCTWORK
	RETURN/EXHAUST AIR DUCTWORK
	FLEXIBLE DUCTWORK
	THERMOSTAT, FOR NOTED EQUIPMENT
	VOLUME DAMPER
	DIFFUSER CALLOUT/REQUIRED CFM. SEE DIFFUSER LEGEND FOR ADDITIONAL INFORMATION.

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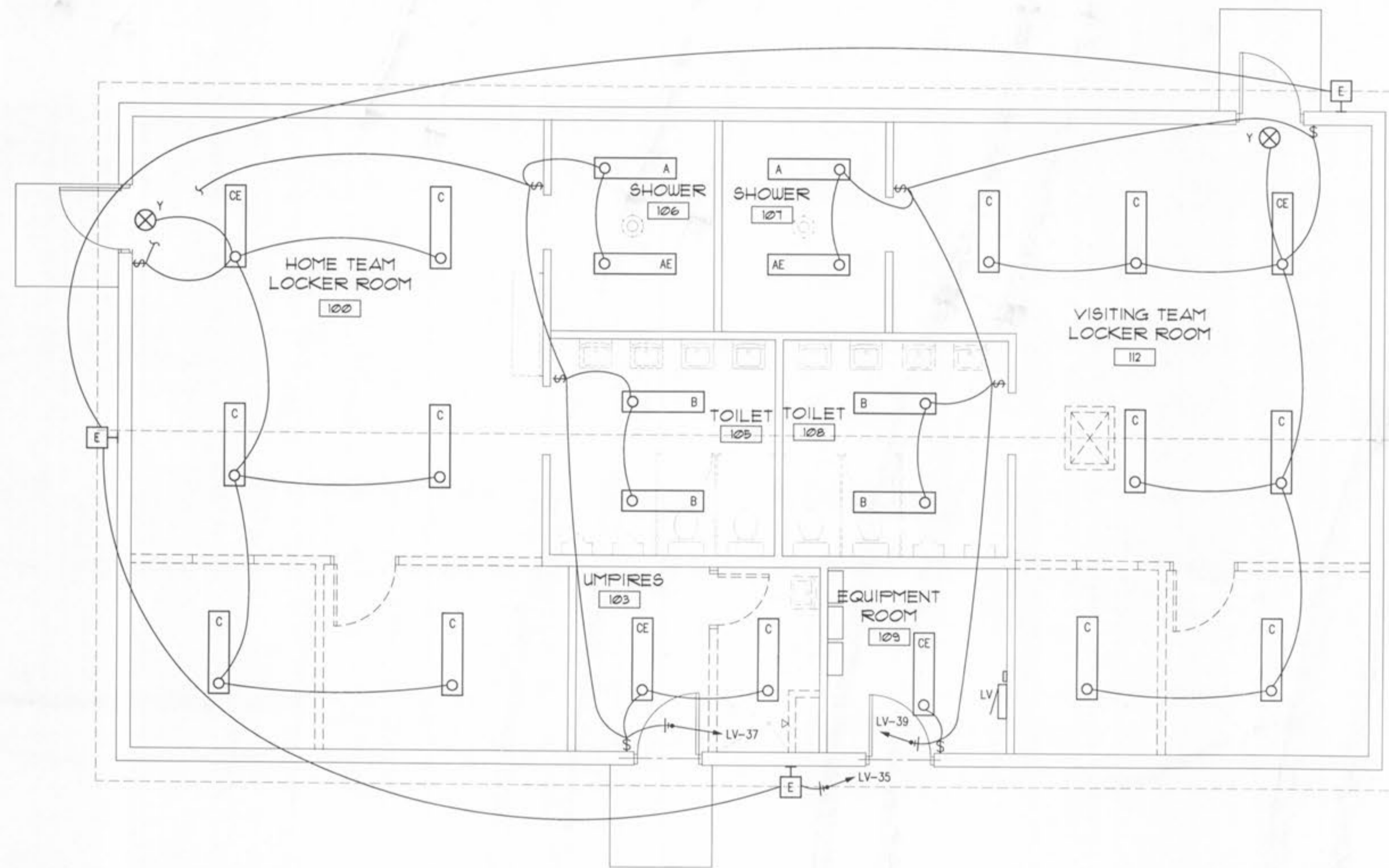
SHEET TITLE  
**MECHANICAL PLAN**

REVISIONS

PROJECT NO.  
**0480-DS**

ISSUE DATE  
**February 16, 2007**

SHEET NO.  
**M.I.1**



**FIRST FLOOR PLAN**  
 Scale: 1/4" = 1'-0"  
 0 1 2 4 8

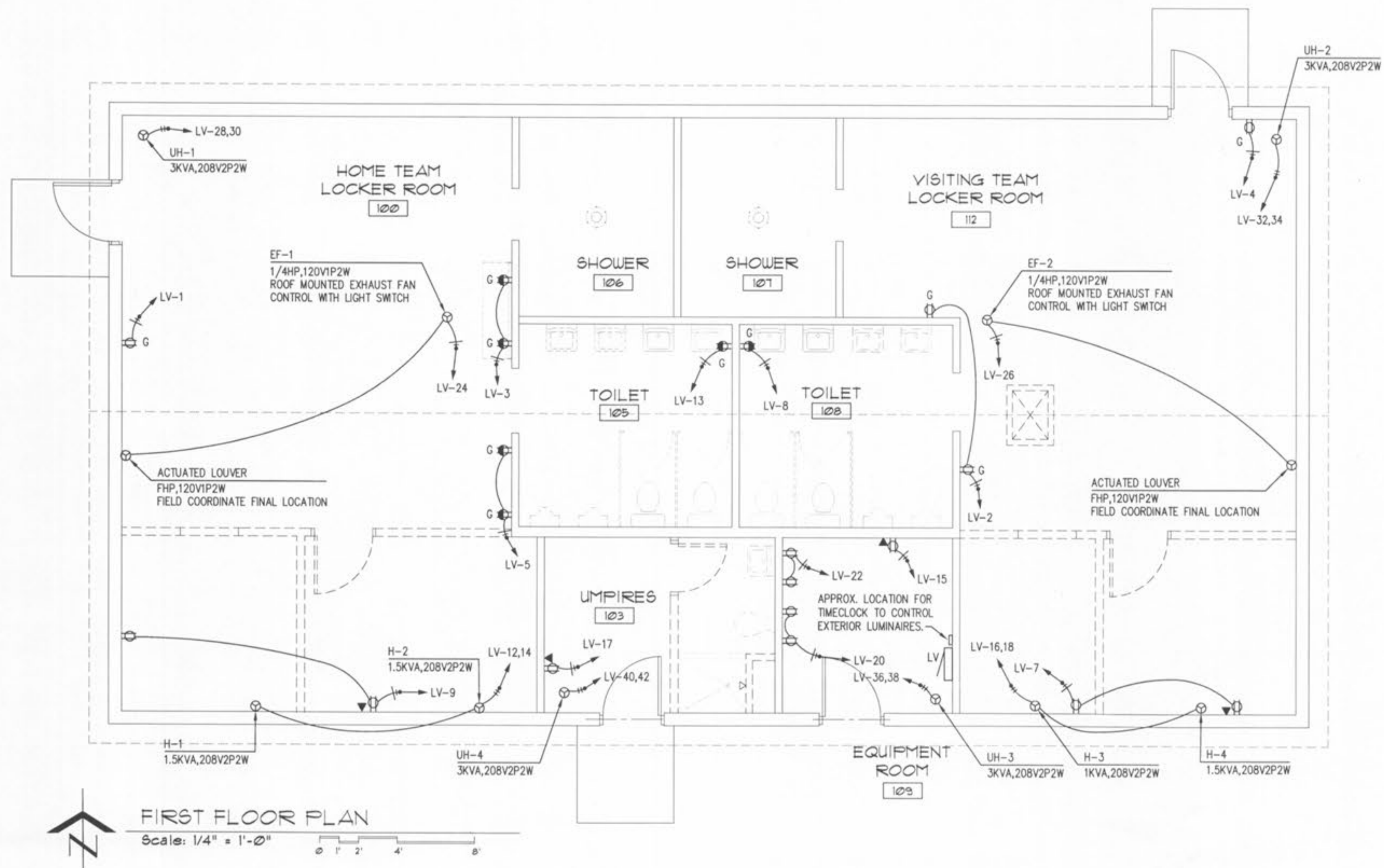
LUMINAIRE SCHEDULE						
CALLOUT	SYMBOL	DESCRIPTION	MODEL	LAMP	VOLTS	NOTES
A	○	SPECIAL ENVIRONMENT LUMINAIRE	LITHONIA: EIS332-1/3GEB10	(2) 32W T8	120V 1P 2W	
AE	○	SPECIAL ENVIRONMENT LUMINAIRE WITH EMERGENCY BALLAST	LITHONIA: EIS332-1/3GEB10-EL14DW	(3) 32W T8	120V 1P 2W	PROVIDE WITH EMERGENCY BALLAST.
B	○	4' WRAPAROUND LUMINAIRE	METALUX: W232-A DAYBRITE: CAW232R WILLIAMS: WEW-4-232-A	(2) 32W T8	120V 1P 2W	
C	○	4' WRAPAROUND LUMINAIRE	METALUX: W332-A DAYBRITE: CAW332R WILLIAMS: WEW-4-332-A	(3) 32W T8	120V 1P 2W	
CE	○	4' WRAPAROUND LUMINAIRE WITH EMERGENCY BALLAST	METALUX: W332-A (B50) DAYBRITE: CAW332R (B50) WILLIAMS: WEW-4-332-A (B50)	(3) 32W T8	120V 1P 2W	LUMINAIRES SHALL BE PROVIDED WITH BODINE B50 EMERGENCY BALLASTS.
E	□	WALL PACK WITH OPTICAL CUTOFF	LUMARK: MHP-W-100	(1) 100W METAL HALIDE	120V 1P 2W	COORDINATE FINAL MOUNTING HEIGHT WITH ARCHITECT.
Y	⊗	SELF-POWERED EXIT LUMINAIRE	SURE-LITES: CCX-70-70-R-WH-SD MCPHILBEN: CXL-3-R-W-SD LITHONIA: LQM-ELN-SD	LED	120V 1P 2W	LUMINAIRE SHALL BE PROVIDED WITH SELF DIAGNOSTICS.

NOTE:  
 PROVIDE TIMECLOCK FOR CONTROL OF EXTERIOR TYPE E LUMINAIRES.



New Club House for:  
**TR HUGHES BALLPARK AT THE OZZIE SMITH SPORTS COMPLEX**  
 O'Fallon, Missouri

SHEET TITLE	ELECTRICAL LIGHTING PLAN
REVISIONS	
PROJECT NO.	0480-D6
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Panel LV		ROOM	MOUNTING SURFACE	FED FROM UTILITY	VOLTS 208Y/120V 3P 4W	BUS AMPS 200	NEUTRAL 100%	AIC VERIFY	MAIN BKR 200	LUGS FEEDTHRU
CKT #	BKR	LOAD KVA	CIRCUIT DESCRIPTION	CKT #	BKR	LOAD KVA	CIRCUIT DESCRIPTION			
1	20/1	0.18	RECEPTACLE	a 2	20/1	0.36	RECEPTACLE			
3	20/1	0.36	RECEPTACLE	b 4	20/1	0.18	RECEPTACLE			
5	20/1	0.36	RECEPTACLE	c 6	20/1	0	SPACE			
7	20/1	0.36	RECEPTACLE	d 8	20/1	0.18	RECEPTACLE			
9	20/1	0.36	RECEPTACLE	e 10	20/1	0	SPACE			
11	20/1	0	SPACE	f 12	20/2	3	H-1, H-2			
13	20/1	0.18	RECEPTACLE	g 14	20/1	0	SPACE			
15	20/1	0.18	RECEPTACLE	h 16	20/2	2.5	H-3, H-4			
17	20/1	0.18	RECEPTACLE	i 18	20/1	0	SPACE			
19	20/1	0	SPACE	j 20	20/1	0.6	RINNAI WATER HTR			
21	20/1	0	SPACE	k 22	20/1	0.6	RINNAI WATER HTR			
23	20/1	0	SPACE	l 24	20/1	0.796	ACTUATED LOUVER, EF-1			
25	20/1	0	SPACE	m 26	20/1	0.796	ACTUATED LOUVER, EF-2			
27	20/1	0	SPACE	n 28	20/2	3	UH-1			
29	20/1	0	SPACE	o 30	20/1	0	SPACE			
31	20/1	0	SPACE	p 32	20/2	3	UH-2			
33	20/1	0	SPACE	q 34	20/1	0	SPACE			
35	20/1	0.3	LIGHTING	r 36	20/2	3	UH-3			
37	20/1	1.06	LIGHTING	s 38	20/1	0	SPACE			
39	20/1	1.06	LIGHTING	t 40	20/2	3	UH-4			
41	20/1	0	SPACE	u 42	20/1	0	SPACE			

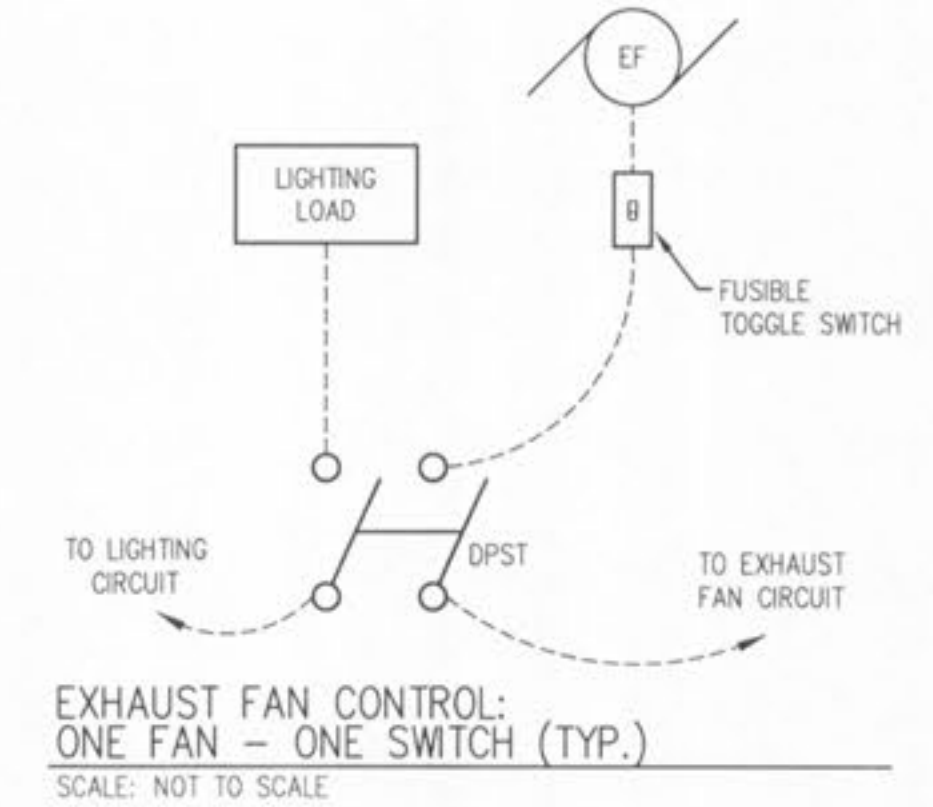
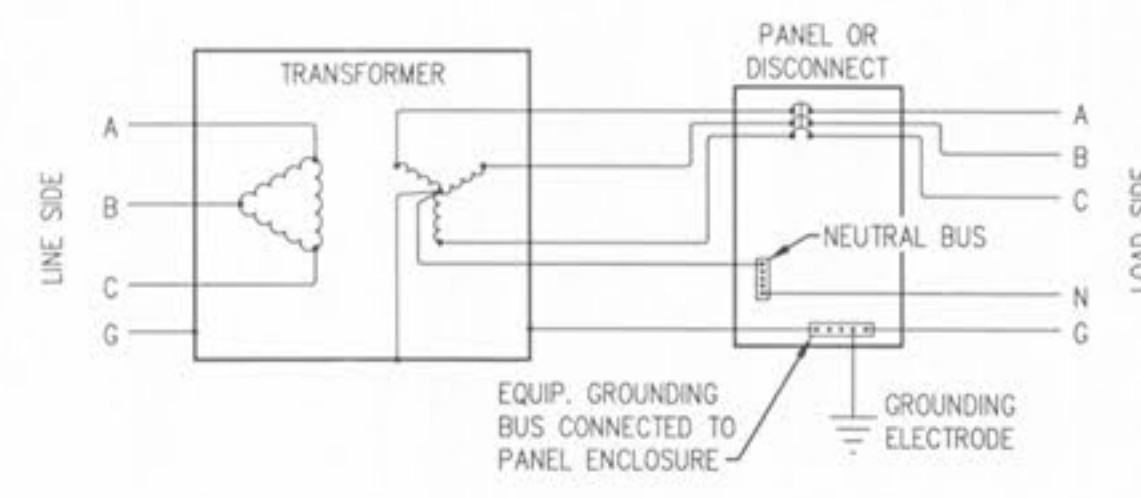
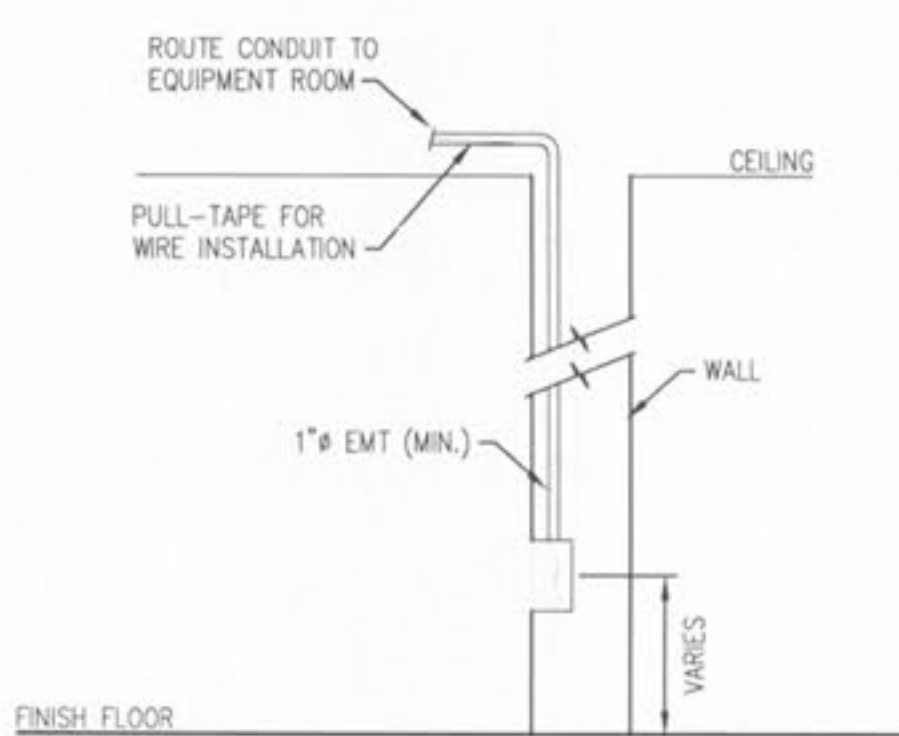
	CONN. KVA	CALC. KVA		CONN. KVA	CALC. KVA
LIGHTING	2.42	3.03 (125%)	CONTINUOUS	17.5	21.9 (125%)
LARGEST MOTOR	0.696	0.87 (125%)	HEATING	0	0 (100%)
OTHER MOTORS	2.1	2.1 (100%)	NONCONTINUOUS	0	0 (100%)
RECEPTACLES	2.88	2.88 (50%*10)	KITCHEN EQUIP	0	0 (N/A)
			NONCON/DIVERSE	0	0 (N/A)
			TOTAL KVA	25.6	30.8
			BALANCED THREE PHASE AMPS	85.5	

PHASE BALANCE PERCENT: PHASE A 96% PHASE B 100% PHASE C 104%

NOTE:  
EXTEND POWER FROM EXISTING SIGN TO NEW SIGN LOCATION. SEE SHEET A1.1 FOR EXISTING SIGN LOCATION AND NEW SIGN LOCATION.

FEEDER SCHEDULE		
FEEDER AMPS	CONDUIT AND FEEDER	FEEDING THESE DEVICES
200	4" C, 3#3/0, #3/ON, #6G	LV

- KEYED ELECTRICAL RISER DIAGRAM NOTES**
- (A) 120/208 VOLT, 3# 4-WIRE ELECTRICAL FEEDER FROM EXISTING TRANSFORMER LOCATED BEHIND THE RIGHT FIELD WALL. CONTRACTOR SHALL PROVIDE 4" CONDUIT (AS NOTED IN THE FEEDER SCHEDULE). CONTRACTOR SHALL VERIFY REMAINING CAPACITY AT TRANSFORMER AND PROVIDE WRITTEN DOCUMENTATION TO THE A/E PRIOR TO CONNECTION. PRELIMINARY INFORMATION SHOWS SUFFICIENT AVAILABLE CAPACITY AND WAS PROVIDED BY THE OWNER. SEE SITE PLAN FOR LOCATION OF TRANSFORMER.
  - (B) GROUNDING ELECTRODE CONDUCTOR (GEC) SHALL BE #2 COPPER.



ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
\$	LIGHT SWITCH
\$ X	LIGHT SWITCH, X-WAY
\$	DENOTES MULTIPLE SWITCHES UNDER A SINGLE COVERPLATE
▼	RECESSED JUNCTION BOX FOR COMMUNICATIONS/DATA. EXTEND CONDUIT TO EQUIPMENT ROOM. COORDINATE HEIGHTS & LOCATIONS WITH OWNER PRIOR TO ROUGH-IN.
⊕	EQUIPMENT/MOTOR LOAD

RECEPTACLE LEGEND			
CALLOUT	SYMBOL	VPW	FEATURES
STANDARD	⊕	120V IP 2W	G * GROUND FAULT PROTECTED
COUNTER RECEPTACLE	⊕	120V IP 2W	COUNTER RECEPTACLE(S) SHALL BE MOUNTED 2" ABOVE BACKSPASH TO BOTTOM OF RECEPTACLE.

ELECTRICAL RISER DIAGRAM AND FEEDER SCHEDULE  
SCALE: NOT TO SCALE

TYPICAL PHONE/COM. BOX & CONDUIT  
SCALE: NOT TO SCALE

TYPICAL 3Ø TRANSFORMER CONNECTION DIAGRAM & GROUNDING OF SEPARATELY DERIVED SYSTEM  
SCALE: NOT TO SCALE



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O'Fallon, Missouri

SHEET TITLE	
ELECTRICAL LIGHTING PLAN	
REVISIONS	
△	
△	
△	
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