

JONESBORO SHOOTING SPORTS COMPLEX

PHASE IIBA (RESTROOM)

Jonesboro, Arkansas

STRUCTURAL ENGINEER:

ID
no

MECHANICAL/PLUMBING/ELECTRICAL ENGINEER:

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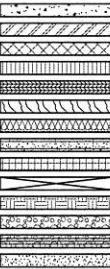



FISHER ARNOLD

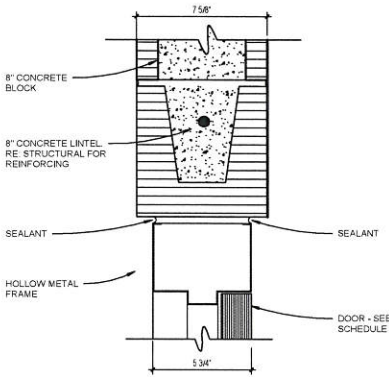


ARCHITECT:

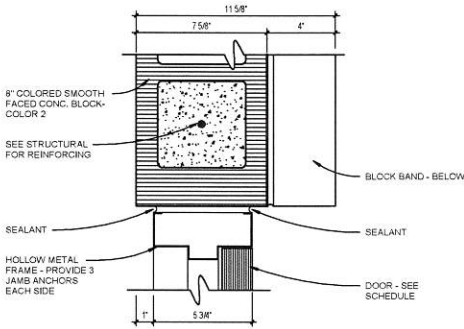
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ABBREVIATIONS		MATERIALS KEY	SCHEDULE OF SPECIAL INSPECTIONS	CODE ANALYSIS	INDEX TO DRAWINGS
<div>ABOVE FINISH FLOOR ACOUSTICAL ALUMINUM APPROXIMATE BOTTOM OF FOOTING CEILING CENTER LINE EACH ELECTRIC WATER COOLER FINISH FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FLOOR GENERAL CONTRACTOR INSULATION JOINT KITCHEN FIRE EXTINGUISHER MECHANICAL METAL THRESHOLD NOMINAL NOT IN CONTRACT ON CENTER OWNER FURNISHED, CONTRACTOR INSTALLED PLATE REQUIRED SIMILAR SQUARE SUSPENDED TOP OF CURB TOP OF FOOTING TOP OF WALL/WALK TYPICAL WITH WORKING POINT</div> <div>A.F.F. ACOUSTIC ALUM. APPROX B.O.F. CLG. C. EA. E.W.C. FIN. F.E. F.E.C. FLR. G.C. INSUL. JNT. K.F.E. MECH. M.T. NOM. N.I.C. O.C. OFCI P. REQ. SIM. SQ. SUP. T.O.C. T.O.F. T.O.W. TYP. W/ WP</div>		<div>CONCRETE STEEL METAL STUDS CONCRETE BLOCK PLYWOOD FINISH WOOD BATT INSULATION GYPSUM BOARD RIGID INSULATION WOOD FRAMING COMPACT FILL GRAVEL FILL ASPHALT PAVING EXTERIOR SHEATHING</div> <div></div>	<div>SPECIAL INSPECTIONS ARE NOT REQUIRED PER SECTION 1704.2, EXCEPTION 4</div>	<div>ARKANSAS FIRE PREVENTION CODE, 2012 VOLUMES 1 & 2 2012 INTERNATIONAL BUILDING CODE WITH STATE AMENDMENTS 2006 ARKANSAS PLUMBING CODE 2010 ARKANSAS MECHANICAL CODE 2011 NATIONAL ELECTRICAL CODE 2006 INTERNATIONAL FUEL AND GAS CODES 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN A.C.A. 12-80-101 ET.SEQ. (ARKANSAS STATE LAW)</div> <div>OCCUPANCY CLASSIFICATION _____ Group U, Utility (Accessory buildings to existing building) BUILDING AREA _____ 867 square feet BUILDING HEIGHT _____ "15'-10" NUMBER OF STORIES _____ One (1) TYPE OF CONSTRUCTION _____ TYPE VB - Unsprinklered ALLOWABLE HEIGHT (Table 503) _____ 40'-0" ALLOWABLE AREA (Table 503) _____ 6,000 sq. feet MAXIMUM NUMBER OF STORIES (Table 503) _____ One (1) OCCUPANCY LOAD (Table 1004.1.2) Mechanical / Storage Rooms (175 sq. ft. / 300 sq. ft. gross per occupant) _____ 1 Total Occupancy Load _____ 1 EXIT REQUIREMENTS Minimum door size _____ "36" (ADA) Exit access travel distance _____ 200'-0" Maximum common path of egress travel distance _____ 75'-0" Dead end corridor distance _____ 20'-0" Egress width per occupant Stairways _____ 3 inches Other egress components _____ 2 inches Minimum number of exits _____ One (1) SEISMIC DESIGN REQUIREMENTS Seismic Zone 3 Site Class D Seismic Design Category D BUILDING SETBACKS North _____ Exceeds 30'-0" to nearest structure or property line East _____ Exceeds 30'-0" to nearest structure or property line South _____ Exceeds 30'-0" to nearest structure or property line West _____ Exceeds 30'-0" to nearest structure or property line</div>	<div>CIVIL CM001 OVERALL SITE PLAN, ENLARGED SITE PLAN, SITE DETAILS ARCHITECTURAL AM001 HOLLOW METAL FRAME SCHEDULE, DOOR SCHEDULE & DETAILS AM100 RESTROOM BUILDING FLOOR PLAN, FINISH SCHEDULE, DOOR SCHEDULE, VISUAL DOOR TYPES, HOLLOW METAL FRAME SCHEDULE, AND WALL TYPES AM101 ROOF PLAN, REFLECTED CEILING PLAN, DETAILS AM200 RESTROOM BUILDING EXTERIOR ELEVATIONS AM500 WALL SECTIONS AM600 ADA MOUNTING HEIGHTS STRUCTURAL SM100 FOUNDATION PLAN & DETAILS SM200 FRAMING PLAN & DETAILS MECHANICAL MM101 EAST / WEST RESTROOM PLANS - HVAC MM201 HVAC LEGENDS, DETAILS, & SCHEDULES PLUMBING PM000 GENERAL NOTES AND LEGENDS - PLUMBING PM101 EAST / WEST RESTROOM PLANS - PLUMBING PM201 DETAILS - PLUMBING PM301 WASTE & VENT RISERS - PLUMBING PM401 SCHEDULES - PLUMBING ELECTRICAL EM101 FIRST FLOOR PLAN - LIGHTING EM102 FIRST FLOOR PLAN - POWER EM301 ELECTRICAL DETAILS & DIAGRAMS</div>
<div>VICINITY MAP</div> <div></div>					
<div>SET NUMBER</div>					

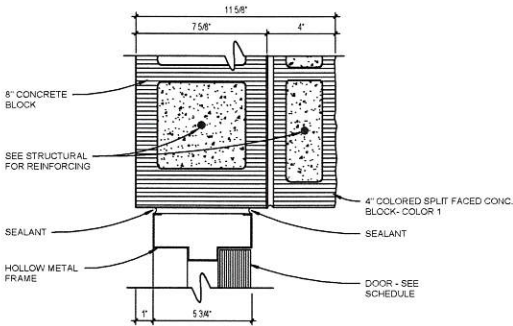
DOOR SCHEDULE - RESTROOM									
Door Number	DOOR				DETAILS			Label	HDWE
	Type	Style	Threshold	Frame	Head	Jamb	Sill		
M100	A	Single	ALUMINUM	HMF-1	1/AM001	2/AM001 & 3/AM001	4/AM001		1
M101	A	Single	ALUMINUM	HMF-1	1/AM001	2/AM001 & 3/AM001	4/AM001		1
M102	A	Single	ALUMINUM	HMF-1	1/AM001	2/AM001 & 3/AM001	4/AM001		1



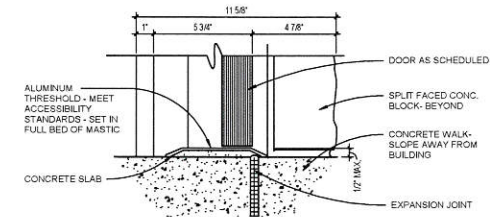
1 head detail
SCALE: 3" = 1'-0"



2 jamb detail
SCALE: 3" = 1'-0"



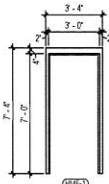
3 jamb detail
SCALE: 3" = 1'-0"



4 threshold detail
SCALE: 3" = 1'-0"



visual door types
1/4" = 1'-0"



hollow metal frame schedule
1/4" = 1'-0"

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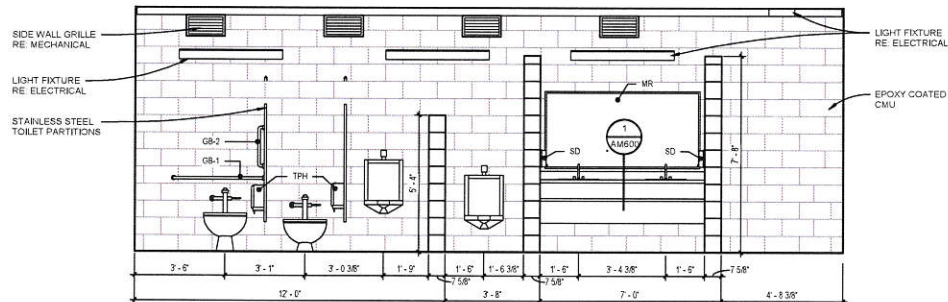
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Revision Schedule		
Tag	Rev. Description	Issued by

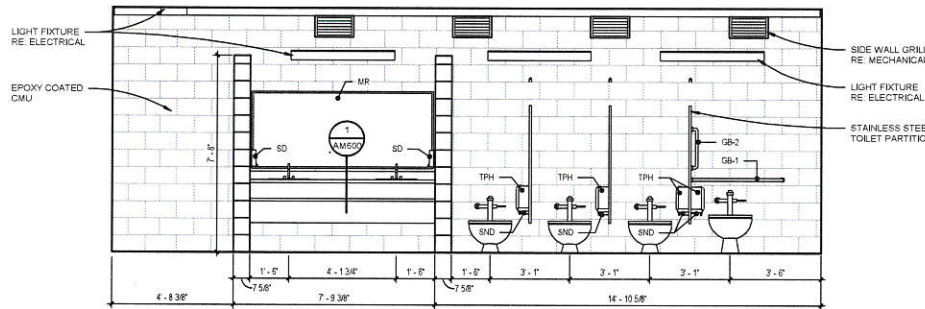


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AM001
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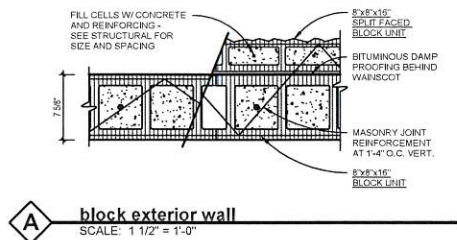


toilet elevation - MENS M100
3/8" = 1'-0"

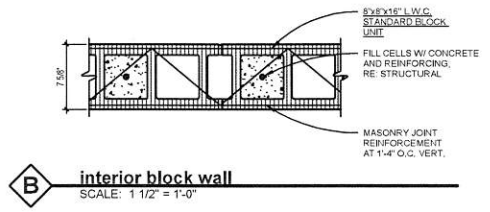


toilet elevation - WOMEN M102
3/8" = 1'-0"

TOILET ACCESSORIES LEGEND	
GB-1	GRAB BAR (42" X 54" LONG)
GB-2	GRAB BAR (18" LONG)
	BY OWNER, CONTRACTOR INSTALLED
MH	MOP HANGER
MR	MIRROR
	BY OWNER, CONTRACTOR INSTALLED
EHD	ELECTRIC HAND DRYER
	BY OWNER, CONTRACTOR INSTALLED
SD	SOAP DISPENSER
	BY OWNER, CONTRACTOR INSTALLED
TPH	TOILET PAPER HOLDER
	BY OWNER, CONTRACTOR INSTALLED
SND	SANITARY NAPKIN DISPENSER
	BY OWNER, CONTRACTOR INSTALLED
DT	FOLD-DN DIAPER CHANGING TABLE
	BY OWNER, CONTRACTOR INSTALLED

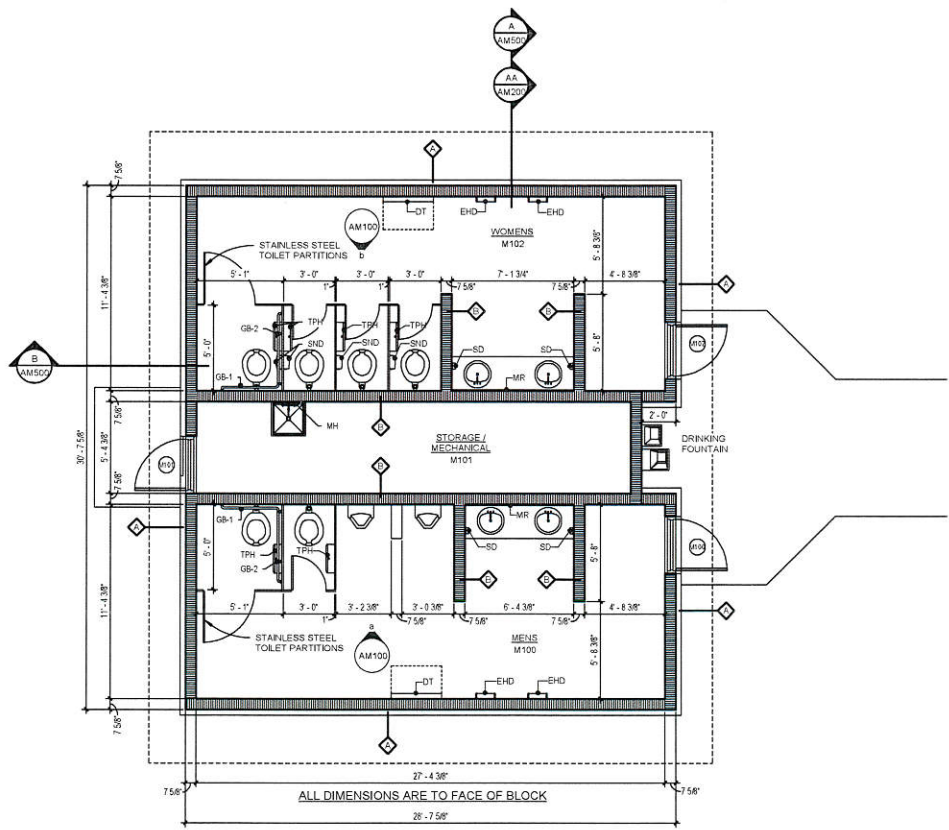


block exterior wall
SCALE: 1 1/2" = 1'-0"



interior block wall
SCALE: 1 1/2" = 1'-0"

FINISH SCHEDULE - RESTROOM							
Room No.	Room Name	Floor Finish	Base	Wall Finish			
				North	East	South	West
M100	MENS	SEALED CONCRETE	---	EPOXY COATING ON CMU	EPOXY COATING ON CMU	EPOXY COATING ON CMU	EPOXY COATING ON CMU
M101	STORAGE/MECHANICAL	SEALED CONCRETE	---	EPOXY COATING ON CMU	EPOXY COATING ON CMU	EPOXY COATING ON CMU	EPOXY COATING ON CMU
M102	WOMENS	SEALED CONCRETE	---	EPOXY COATING ON CMU	EPOXY COATING ON CMU	EPOXY COATING ON CMU	EPOXY COATING ON CMU



floor plan - WEST restroom building
SCALE: 1/4" = 1'-0"
EAST RESTROOM BUILDING IS ROTATED 180 DEGREES

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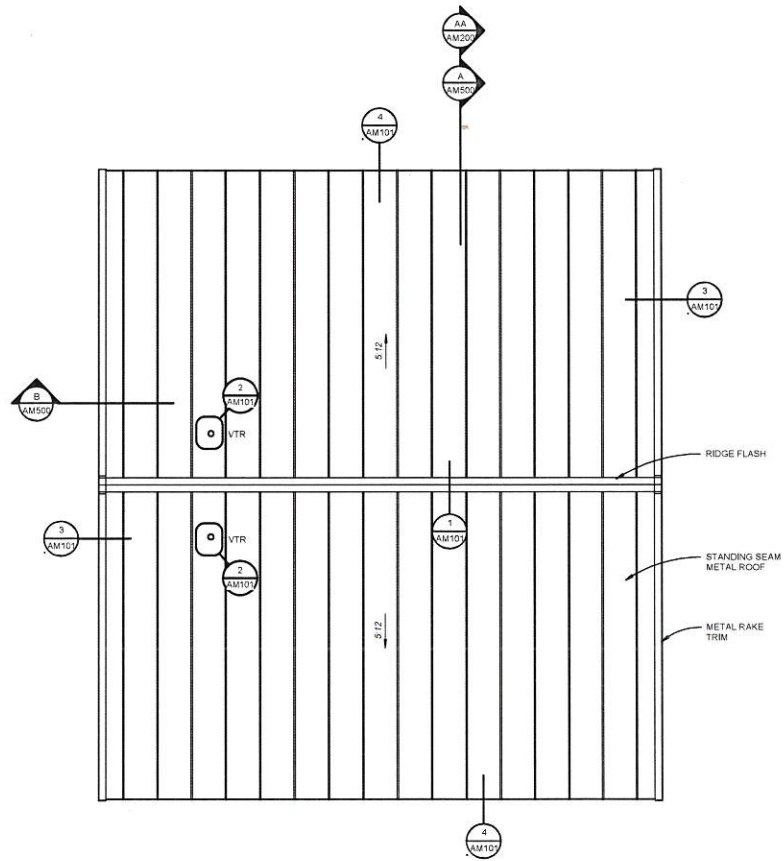
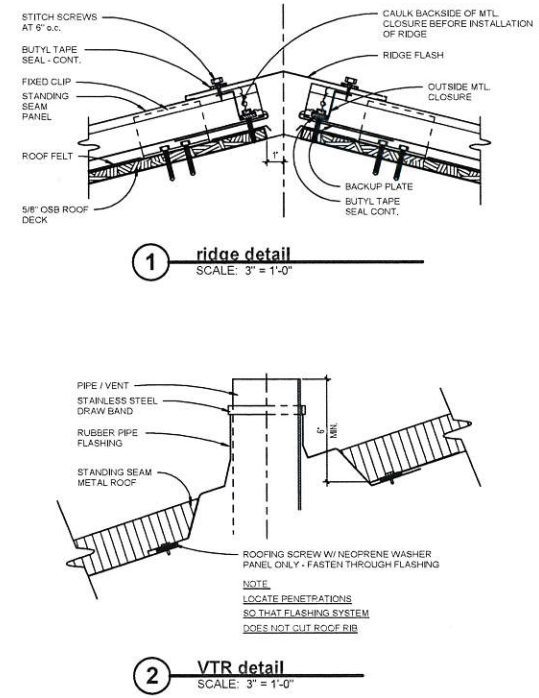
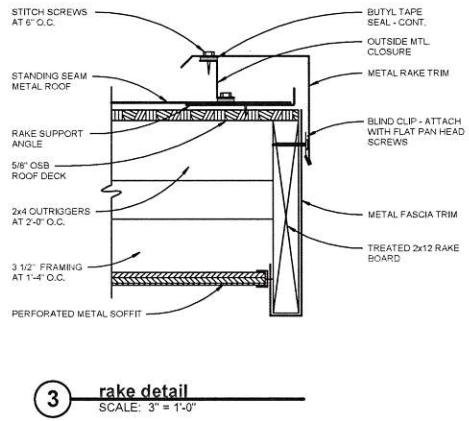
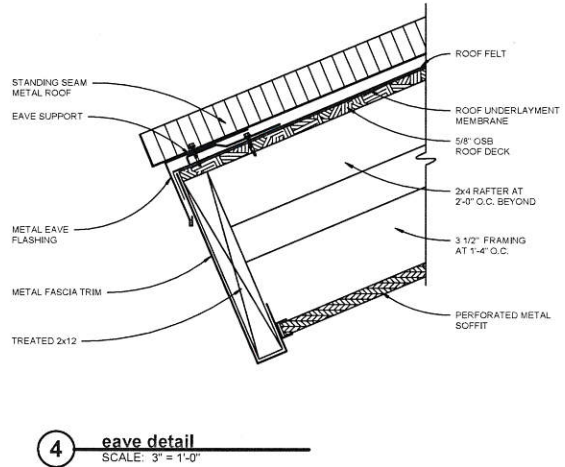
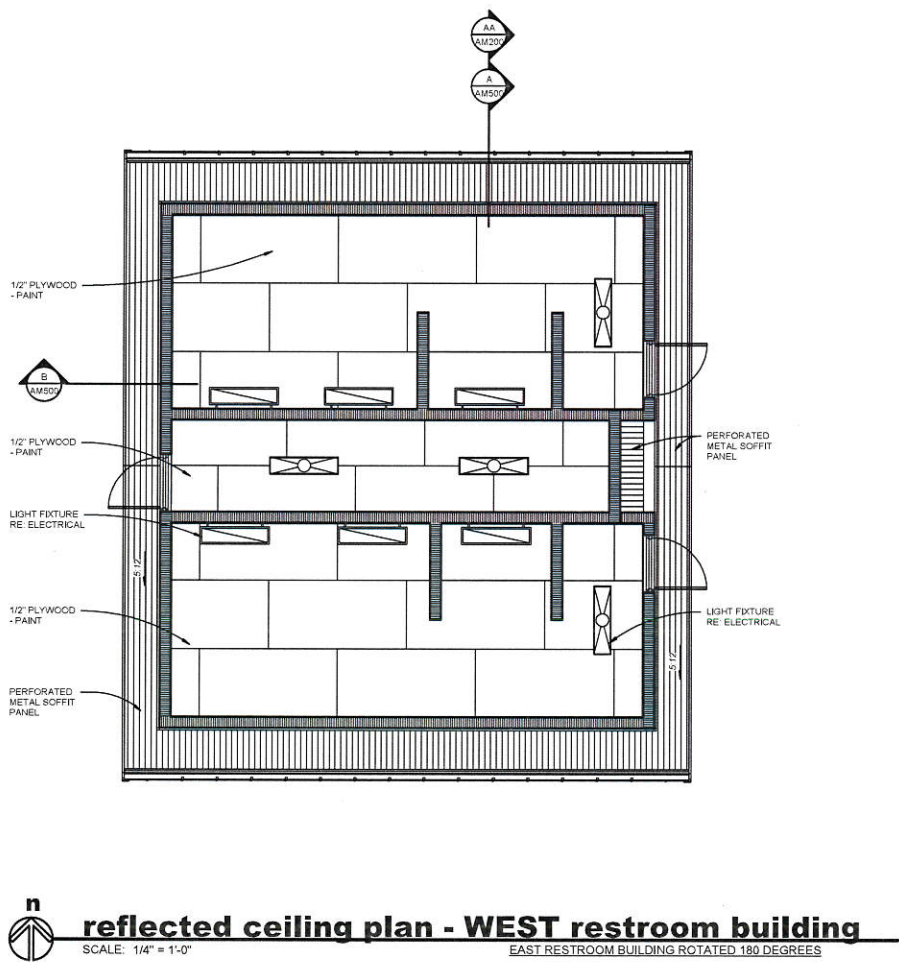
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Revision Schedule	Revised By
Rev. Description	Rev. Date

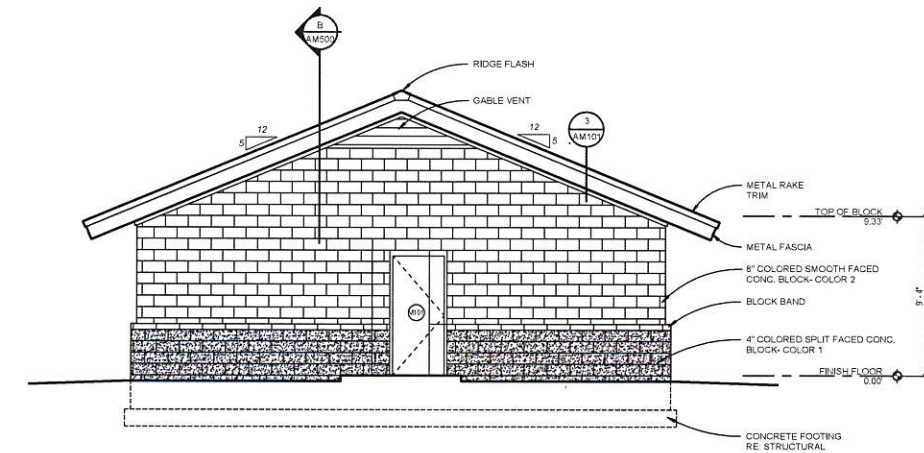


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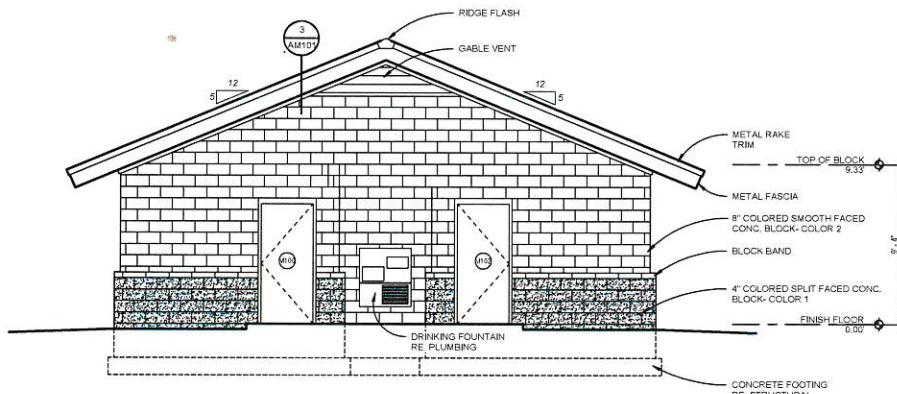
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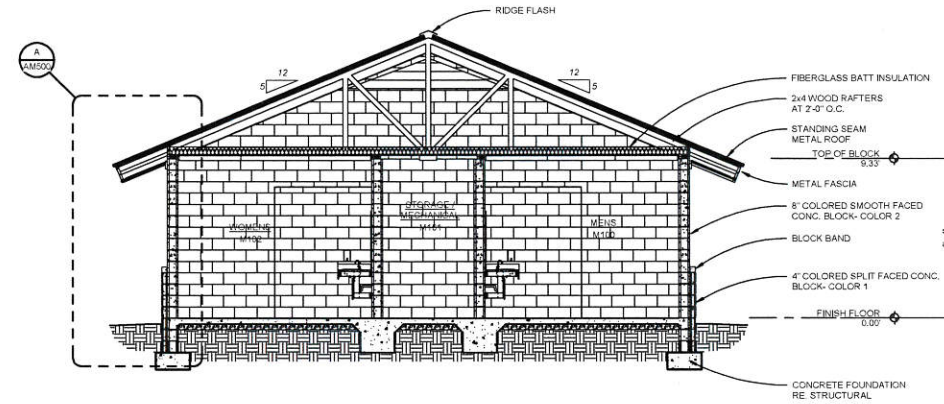
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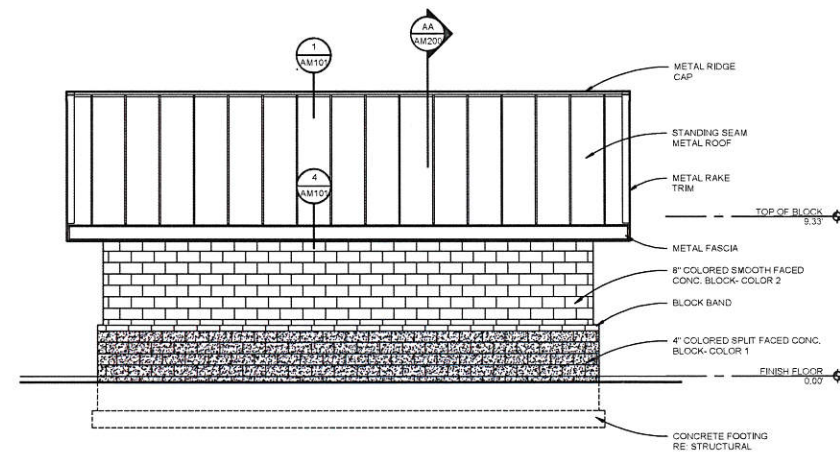
WEST restroom building - west elevation
SCALE: 1/4" = 1'-0"



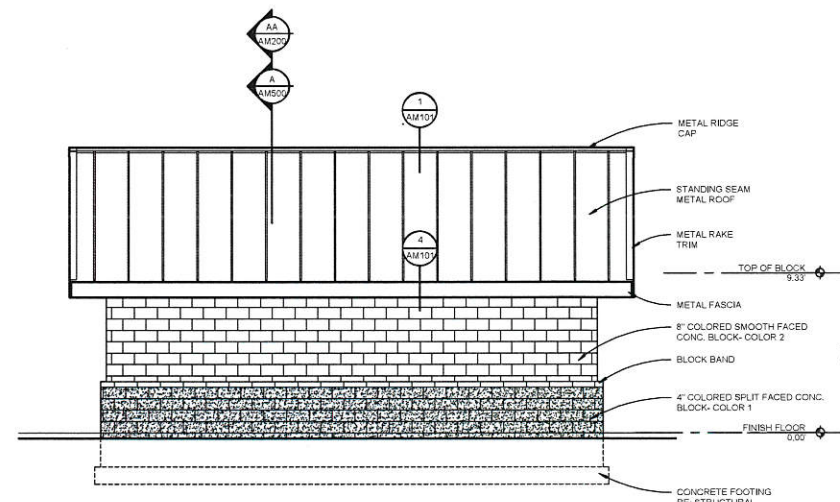
WEST restroom building - east elevation
SCALE: 1/4" = 1'-0"



building section "AA"
SCALE: 1/4" = 1'-0"



WEST restroom building - south elevation
SCALE: 1/4" = 1'-0"



WEST restroom building - north elevation
SCALE: 1/4" = 1'-0"



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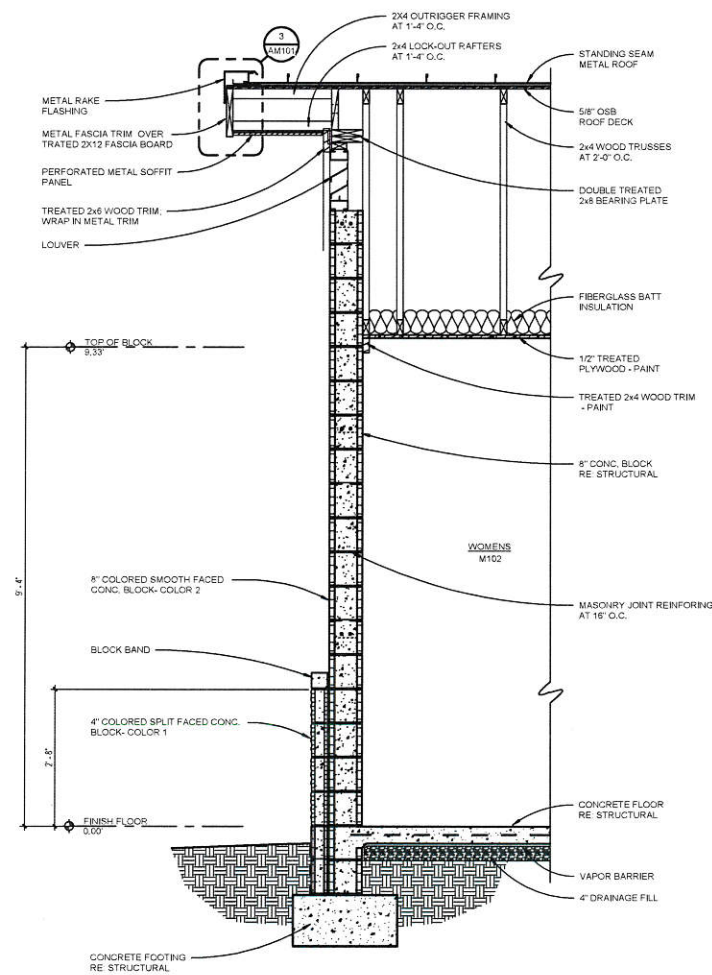
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Revision	Number	Date
1	1	8/28/2020

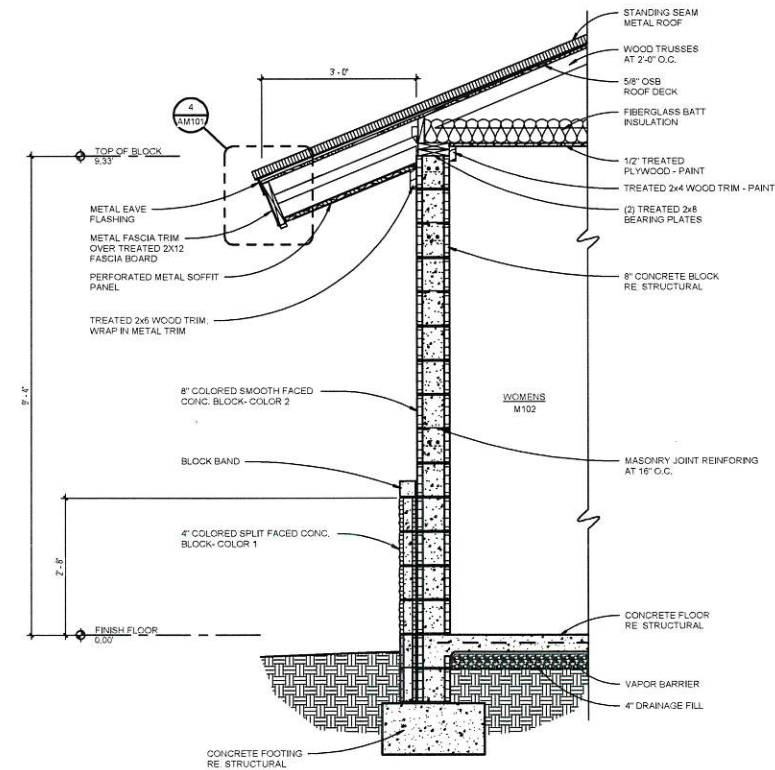


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100 East Huntington Ave. Suite D, P.O. Box 1655 Jonesboro, Arkansas 72403
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B wall section
SCALE: 3/4" = 1'-0"



A wall section
SCALE: 3/4" = 1'-0"

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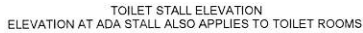
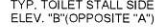
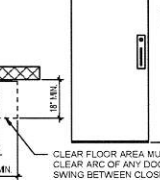
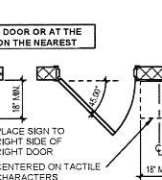
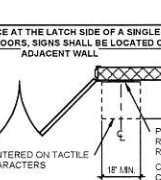
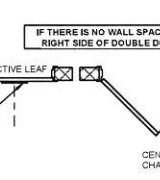
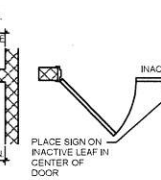
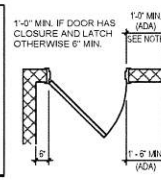
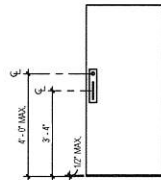
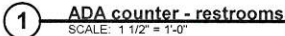
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Revision	Revised by	Rev. Date



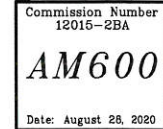
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$$\frac{3}{8}'' = 1'-0''$$

$$\frac{3}{8}'' = 1'-0''$$

$$\frac{3}{8}'' = 1'-0''$$

$$\frac{3}{8}'' = 1'-0''$$

1. THE INFORMATION PRESENTED ON THIS SHEET IS GUIDE TO MEETING THE REQUIREMENTS OF THE ADA & THE AUTHORITY HAVING JURISDICTION AS THEY APPLY TO THIS PROJECT. THIS INFORMATION IS INTENDED TO BE NO LESS RESTRICTIVE THAN THE REQUIREMENTS PRESENTED IN THE ADA ACCESSIBILITY GUIDELINE (ADAAG). IN SOME CASES WHERE THEY ARE MORE RESTRICTIVE, THE CRITERIA HERE SHALL BE FOLLOWED. SOME OF THE TOILET ACCESSORIES ILLUSTRATED HERE ARE BASED ON PRODUCTS MANUFACTURED BY A SPECIFIC COMPANY BUT THIS IN NO WAY IS MEANT TO RESTRICT THE USE OF PRODUCTS OF OTHER MANUFACTURERS AS MAY BE PERMITTED BY THE PROJECT MANUAL & SPECIFICATION. ALL DIMENSIONS MUST BE COORDINATED & REVIEWED WITH OWNER SUPPLIED ACCESSORIES. CONTRACTORS & SUPPLIERS SHALL NOTIFY THE ARCHITECT IF THEY BELIEVE A PRODUCT SPECIFIED OR AN INSTALLATION DETAIL TO BE CONTRARY TO THE MINIMUM REQUIREMENTS OF THE ADAAG AND THE AUTHORITY HAVING JURISDICTIONS CODES.

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2. THE SERVICE OR OPERATING POINT FOR ALL INSTALLED TOILET ROOM EQUIPMENT OR ACCESSORIES SHALL BE MOUNTED NOT MORE THAN 44" AFF.
3. NO CONSTRUCTION OR EQUIPMENT SHALL BE INSTALLED WHICH DIMINISHES AN ACCESSIBLE ROUTE TO LESS THAN 36" WIDE BY 80" HIGH.
4. NO OBJECT SHALL BE INSTALLED WHICH PROTRUDES MORE THAN 4" FROM THE WALL IF THE BOTTOM OF THE LEADING EDGE IS BETWEEN 27" & 80" ABOVE THE FINISHED FLOOR.
5. ALL GRAB BARS SHALL HAVE A 1-1/2" CLEAR FINGER SPACE BETWEEN THE WALL & THE GRAB BAR.
6. ALL GRATINGS LOCATED IN WALKING SURFACES SHALL HAVE SPACES NO GREATER THAN 1/2" WIDE IN ONE DIRECTION & WHERE ELONGATED OPENINGS ARE PROVIDED THEY SHALL BE PLACED SO THAT THE LONG DIRECTION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.
7. NO RAMP SHALL BE CONSTRUCTED WITH A SLOPE GREATER THAN 7.5% IN THE DIRECTION OF TRAVEL AND A CROSS SLOPE GREATER THAN 1.5%.
8. REFER TO SPECIFICATION SECTION 10 2013 TOILET ACCESSORIES FOR MODEL NUMBERS AND TOILET PLANS FOR ACCESSORY LOCATIONS.
9. A FLOOR SLOPE LESS THAN 1:20 IS NOT A RAMP. CROSS SLOPES CANNOT EXCEED 1.5%.
- CHANGES IN LEVEL BETWEEN 1/4" INCH AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
11. SEE ENLARGED TOILET PLANS AND ELEVATIONS FOR INDIVIDUAL TOILET ROOM ACCESSORY LOCATIONS AND MOUNTING HEIGHTS.



CONCRETE NOTES:

GENERAL:

- All concrete shall have a minimum 28 day compressive strength, (f'), of 5,000 psi for foundations and 4,000 psi for slabs.
- All concrete work shall conform to the latest ACI specifications.
- Coarse aggregate for concrete shall not contain lignite, steel, or other materials that may be detrimental to the concrete.
- Fly ash in concrete mix shall not be permitted.
- Horizontal construction joints shall be permitted only where shown on the structural drawings. Horizontal or near horizontal joints shall be prepared by roughening the surface in an approved manner so that the aggregate is exposed uniformly, leaving no lamination, loose particles, or damaged concrete.
- Contractor shall verify dimensions and locations of all openings, pipe sleeves, curbs, etc., as required by other trades before concrete is placed.
- Pipes or conduit placed in foundation and slabs shall not be placed closer than 3 diameters on center. Aluminum conduits shall not be placed in concrete.
- All footings shall bear on firm, undisturbed soil or an approved select fill material compacted to at least 95% of optimum density as determined by the Standard Compaction Test, ASTM D-698.
- The design bearing capacity, q = 1,500 psf.
- Location of slotted inserts, weld plates and all other items to be embedded in concrete shall be coordinated with architectural and mechanical drawings.

REINFORCEMENT:

- All reinforcing steel shall conform to ASTM-A615, Grade 60, f_y = 60 ksi.
- Minimum cover on all reinforcing steel shall be 3".
- All reinforcing bars splices shall be lap splices with a minimum overlap of 30".
- All reinforcing steel shall be fabricated and placed per the latest edition of the ACI Building Code (ACI-318).
- All reinforcement shall be securely held in place while placing concrete. If required, additional bars or stirrups shall be provided by the contractor to support all bars.
- Reinforcing bars shall not be welded, unless specifically noted on the drawing, as being welded, welded reinforcement shall conform to ASTM A-706.
- Provide corner bars in all walls and at wall intersections to match size and spacing of horizontal bars in these walls.

WELDED WIRE FABRIC:

- All welded wire fabric shall conform to the latest edition of ASTM-A185. Specifications for Welded Wire Fabric for Concrete Reinforcement.
- All laps in welded wire fabric shall be one mesh plus 2 inches at splice.
- Welded wire fabric shall be provided in flat sheets. Roll wire shall not be permitted.
- Welded wire fabric shall be properly supported by plastic chairs or any approved method during concrete placement to ensure that the welded wire fabric is properly located within the finished slab.

WOOD NOTES:

GENERAL:

- All framing lumber shall be No.2 Southern Pine unless noted otherwise.
- All plywood shall be structural APA rated panels, Exposure I, conforming to Product Standard PS-1.
- Standard cut washers shall be used under head and nuts against wood.
- The anchors for plates shall be placed 6" from the end of a plate and at intervals noted on the plans.
- Do not notch bottoms of wood members. Obtain architect/engineer approval for any holes in all wood members other than those required for structural assembly. Holes through sills, plates, studs, and double plates in interior bearing and shear walls shall not exceed 1/3 of the plate width and shall be bored holes placed in the center of the stud or plate. Notching is not permitted.
- Nailed connections shall conform to Table 2304.9.1 of the International Building Code.
- End distance, edge distance and spacing of nails shall be such to avoid splitting of the wood.
- Nailing not noted shall be at least two nails at all contact points.
- When headers are not shown, Table 2308.9.5 through 2308.9.6 of the International Building Code shall apply.

PLYWOOD ROOF DECK:

- OSB panels to be placed with long dimensions perpendicular to supports.
- Provide double 2x shaped blocking along main ridge lines, valleys and all hip ridges.

ROOF TRUSSES:

- Roof Trusses shall be designed to support the following loads:
Top Chord Live Load = 20 psf
Top Chord Dead Load = 15 psf
Bottom Chord Live Load = 10 psf
Bottom Chord Dead Load = 10 psf
- Roof Truss dimensions and spacing shall be per manufacturer's recommendations.
- Roof Truss manufacturer shall provide all bracing requirements for trusses, both temporary and permanent.
- Do not place concentrated loads atop the trusses until all specified bracing has been installed and the sheathing permanently nailed in place. Specifically avoid stacking bundles of plywood atop unbraced trusses. Lift plywood sheets individually onto roof only as required during sheathing.
- Specified mechanical equipment shall be placed in the attic only upon completion of the entire roof structural system.
- Truss manufacturer shall check system design of all members against the net uplift forces created by the basic wind speed as indicated on the structural drawings.

STRUCTURAL STEEL NOTES:

GENERAL:

- All rolled wide flange shapes shall conform to ASTM A-992, f_y = 50 ksi.
- All hollow structural shapes (HSS) shall conform to ASTM A-500, Grade B, f_y = 46 ksi.
- All plates shall conform to ASTM A-36, f_y = 36 ksi.
- All rivets, steel shall conform to ASTM A-36, f_y = 36 ksi, unless noted otherwise.
- All steel details shall be in accordance with the latest AISC Specifications (including AISC Seismic Provisions when applicable).
- Splicing of structural steel members where not detailed is prohibited without prior approval. If approved, the contractor shall have the connection tested by ultrasound by an independent testing lab.
- No change in size or position of the structural elements shall be made. Holes, slots, cuts, etc., are not permitted through any member unless they are detailed on the approved shop drawings.

WELDS:

- All welding shall be performed by certified welders in accordance with AWS specifications.
- All welding electrodes shall conform to AWS A5.1 Grade E-70.

MASONRY NOTES:

GENERAL:

- All masonry work shall be in accordance with The Building Code Requirements for Masonry Structures (ACI 530, latest edition).
- Mortar shall conform to ASTM C 270, Type S. Type N mortar and masonry cement mortar are not allowed.
- The unit/mortar combination shall provide a minimum compressive strength (F_m) of 1,500 psi.
- Concrete masonry walls shall have control joints at the following locations:
a.) At all abrupt changes in wall height.
b.) At all changes in wall thickness.
c.) Centered over joints in foundations and floors.
d.) Centered below joints in roofs and floors that bear on CMU walls.
e.) At a distance not over one-half the required joint spacing from bonded wall intersections, corners, or changes in wall direction.
f.) At the end of lintels and sills on one side of wall openings six feet or less in width and at both sides of lintels and sills where wall openings are more than six feet wide, unless bond beams or equivalent joint reinforcement is placed at the top and bottom of the opening.

BUILDING CODE: 2012 INTERNATIONAL BUILDING CODE

GRAVITY LOADS:

LIVE LOADS.....100 psf
FLOOR.....20 psf
ROOF.....20 psf

DEAD LOADS:

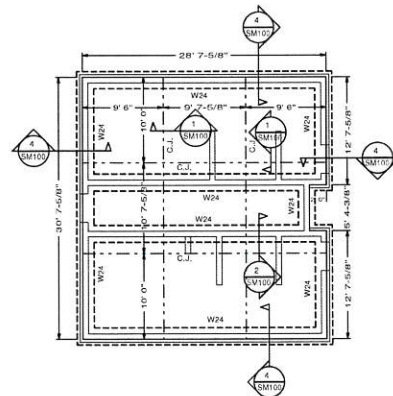
MISC.....ACTUAL WEIGHTS OF MATERIALS
ROOF.....15 psf

LATERAL LOADS:

WIND.....15 mph
BASIC WIND SPEED.....15 mph
EXPOSURE CATEGORY.....C

SEISMIC:

SEISMIC RISK CATEGORY.....II
SEISMIC IMPORTANCE FACTOR.....I=1.0
SPECTRAL RESPONSE COEFFICIENTS.....S_s = 1.174
S₁ = 0.625
SITE CLASS.....D
SEISMIC DESIGN CATEGORY.....D
BASIC SEISMIC FORCE RESISTING SYSTEM.....CMU SHEAR WALLS & STEEL MOMENT FRAME
DESIGN BASE SHEAR.....0.213 W
ANALYSIS PROCEDURE.....EQUVALENT LATERAL FORCE (SIMPLIFIED)

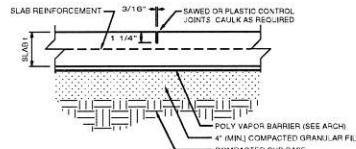


FOUNDATION PLAN - WEST RESTROOM BUILDING

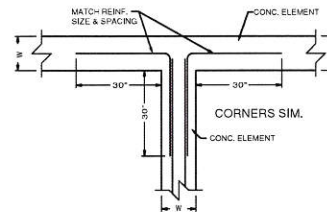
SCALE 1/8"=1'

EAST RESTROOM BUILDING ROTATED 180 DEGREES

NOTE TO CONTRACTOR
CONTRACTOR IS RESPONSIBLE FOR JOINTS CRACKING AS SHOWN ON PLAN AND DETAIL. SAWING JOINTS SHALL BEGIN AS SOON AS THE SURFACE IS FINISHED SO THAT IT WILL NOT BE TORN OR DAMAGED BY THE BLADE. SLABS MUST BE SAWN ON SAME DAY SLAB IS POURED. DO NOT ALLOW SLAB TO CURE OVERNIGHT BEFORE SAWING.

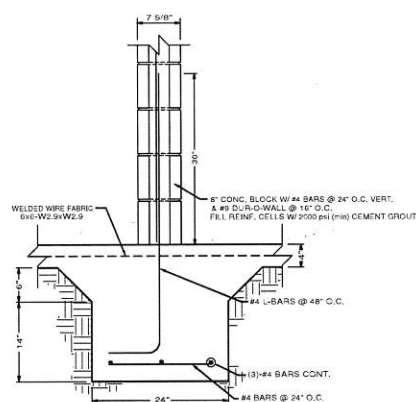


1 SLAB CONTROL JOINT DETAIL



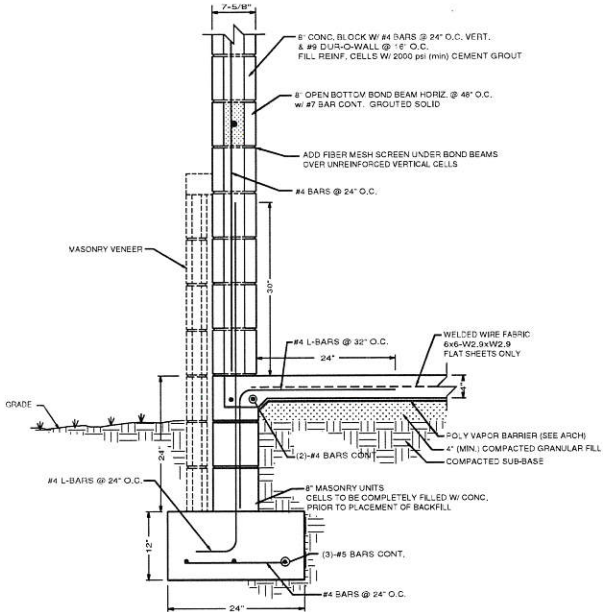
3 REIN. INTERSECTION

SCALE 1/2"=1'



2 INTERIOR STRIP FOOTING (W24)

SCALE 1"=1'



4 EXTERIOR STRIP FOOTING (W24)

SCALE 1"=1'



CITY OF JONESBORO
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SPORTS COMPLEX**
PHASE IIBA
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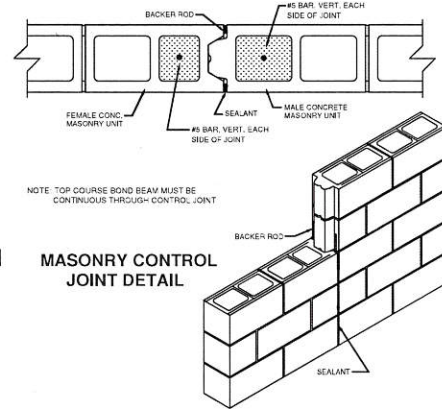
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architects

Rev.	Description	Date	By
1	Rev.		
2	Rev.		
3	Rev.		
4	Rev.		
5	Rev.		
6	Rev.		
7	Rev.		
8	Rev.		
9	Rev.		
10	Rev.		

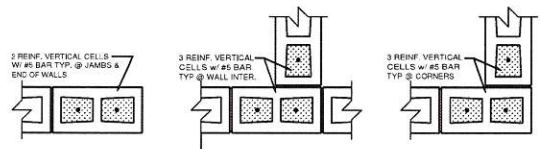


Commission Number
12015
SM100
Date: August 28, 2020

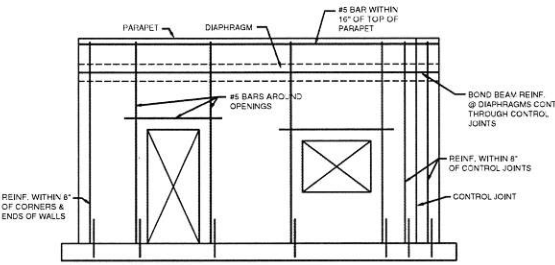
SMITH ENGINEERING CO.
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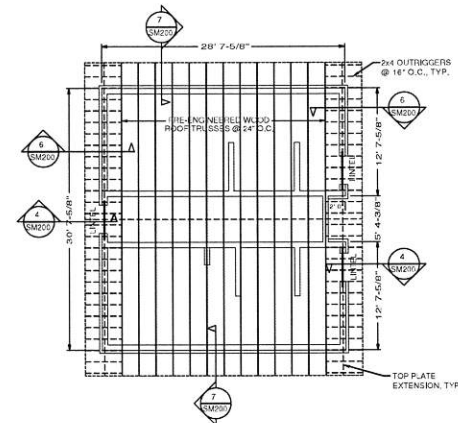
1 MASONRY CONTROL JOINT DETAIL



2 TYPICAL 8" MASONRY WALLS



3 CMU REINFORCEMENT REQUIRED LOCATIONS



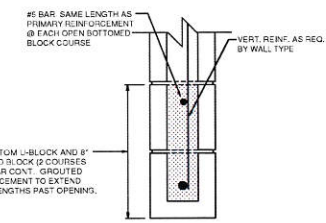
FRAMING PLAN - WEST RESTROOM BUILDING

SCALE 1/8"=1'

EAST RESTROOM BUILDING ROTATED 180 DEGREES

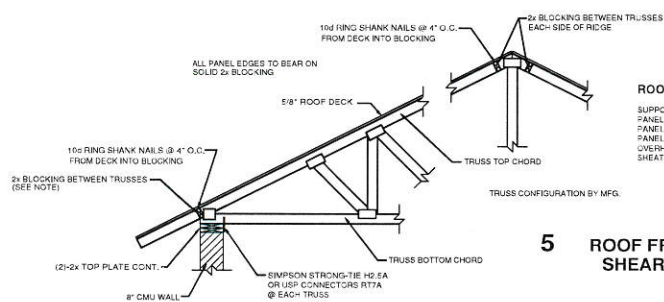
ROOF TRUSS DESIGN LOADING
 Top Chord Live Load = 20 psf
 Top Chord Dead Load = 15 psf
 Bottom Chord Live Load = 15 psf
 Bottom Chord Dead Load = 10 psf

ROOF DECKING SCHEDULE
 DECKING
 5/8" O.S.B. RATED DECKING
 EDGE NAILS = 10d (3"x0.148") @ 4" O.C.
 FIELD NAILS = 16d (3"x0.148") @ 12" O.C.
 PROVIDE BLOCKING @ ALL PANEL EDGES



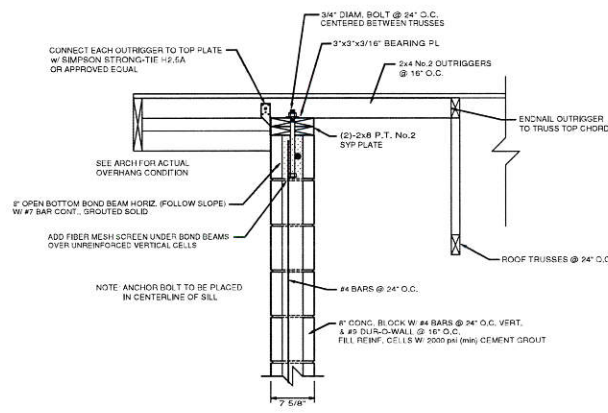
4 LINTEL DETAIL

SCALE 1-1/2"=1'



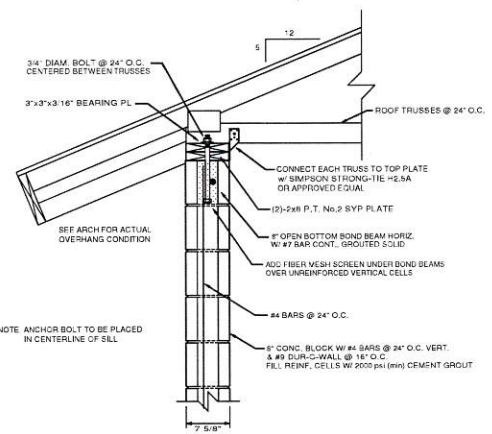
5 ROOF FRAMING, SHEATHING & SHEAR TRANSFER ELEMENT

SCALE 1/2"=1'



6 OUTRIGGER DETAIL

SCALE 1"=1'



7 TRUSS BEARING AT CMU WALL

SCALE 1"=1'



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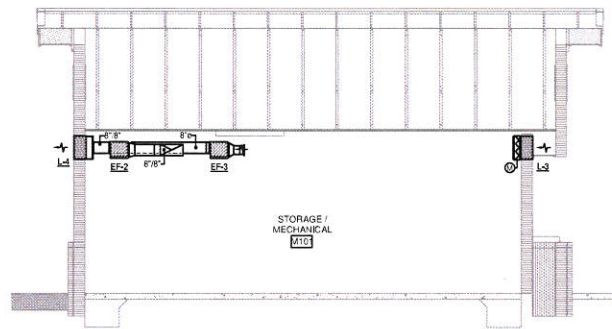
**BRACKETT
 KRENNERICH**
 architects

Revision	By	Date
1	SM	9/19/20

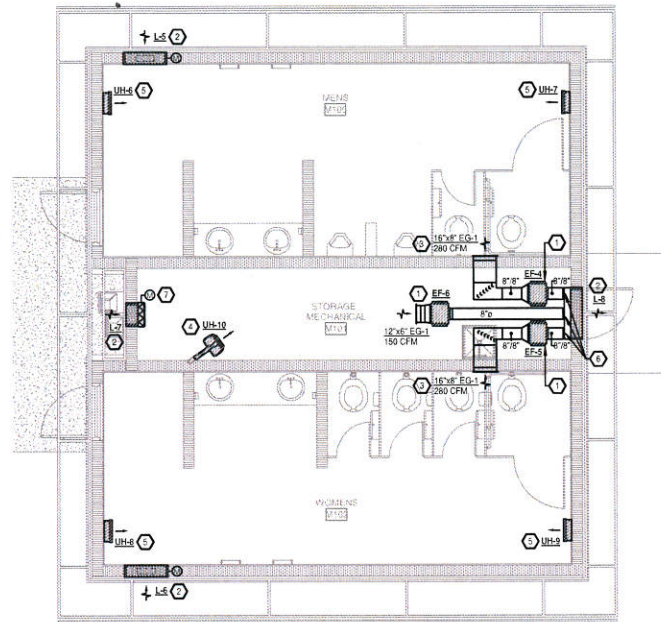


Commission Number
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SM200
 Date: August 28, 2020

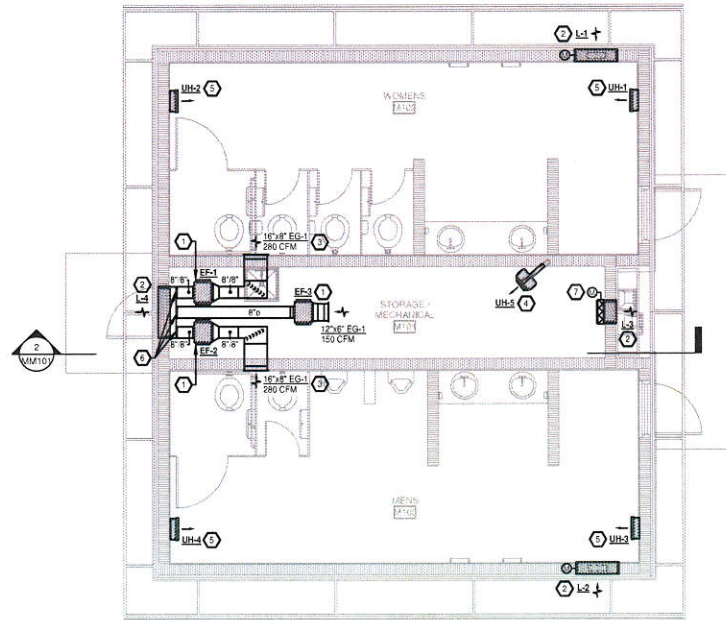




② MECHANICAL ROOM SECTION



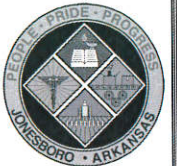
EAST RESTROOM PLAN - HVAC
SCALE: 1/4" = 1'-0"



WEST RESTROOM PLAN - HVAC
SCALE: 1/4" = 1'-0"

HVAC KEYED NOTES

- 1 IN-LINE EXHAUST FAN SUSPENDED FROM STRUCTURE, MOUNTED BELOW CEILING. INTERLOCK FAN WITH LIGHT SWITCH IN TOILET. SEE SEQUENCE OF OPERATION SHEET MM201 FOR EXHAUST FAN OPERATIONS.
- 2 REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT OF LOUVER.
- 3 REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT OF SIDEWALL GRILLE.
- 4 MOUNT UNIT HEATER TO WALL WITH BRACKET HIGH ON WALL.
- 5 SURFACE MOUNT UNIT HEATER 12" ABOVE FINISHED FLOOR.
- 6 CONNECT EXHAUST AIR DUCT FULL SIZE OF EXHAUST FAN OUTLET TO A SHEET METAL PLENUM INSTALLED ON BACK OF LOUVER. PLENUM TO BE SAME SIZE AS LOUVER.
- 7 PROVIDE MOTORIZED DAMPER IN DUCT CONNECTED TO BACK OF LOUVER. INTERLOCK WITH EXHAUST FAN. SENSE LINE TO STORAGE MECHANICAL ROOM TO OPEN WHEN FAN IS ON AND TO CLOSE WHEN FAN IS OFF.



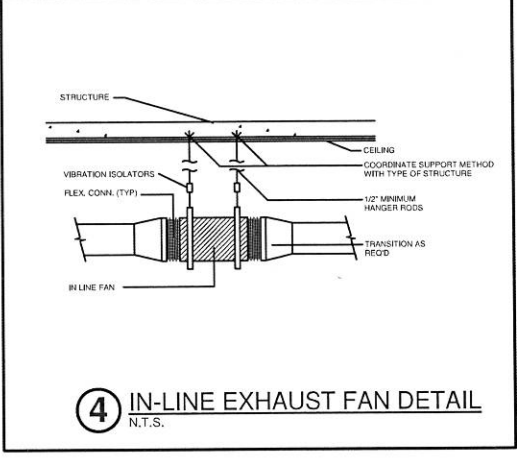
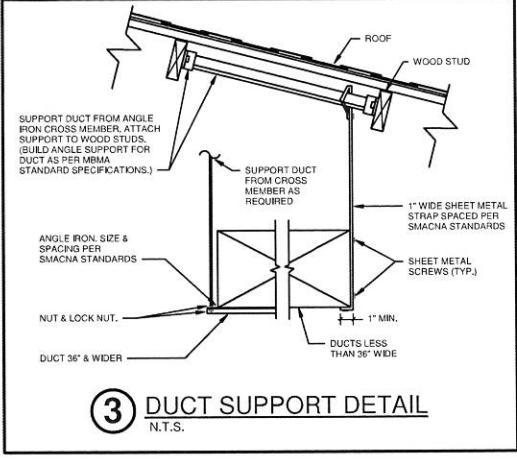
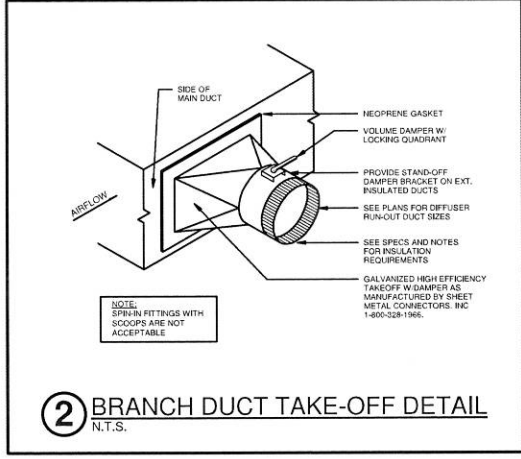
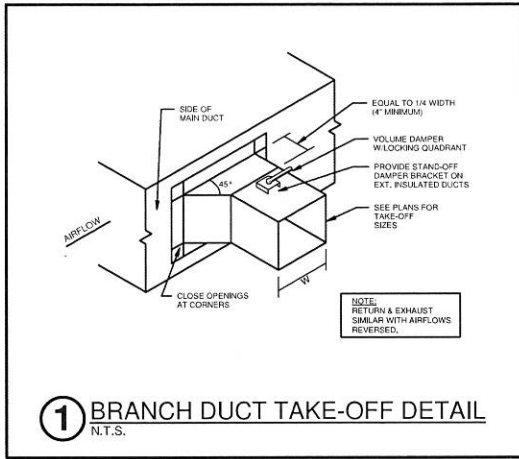
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Commission Number
12015-2BA

MM101

Date: September 23, 2020



EXHAUST FAN SCHEDULE																	
DESIG.	MFR/MDL	SERVES	LOCAT.	TYPE	FAN DATA						WEIGHT (LBS.)	MOTOR DATA				REMARKS	
					CFM	S.P.	RPM	DRIVE	TYPE	DIA.		SONES	RPM	WATTS	FLA		VOLT/PH
EF-1 & EF-4	GREENHECK CSP-4350	TOILETS	STORAGE / MECH. ROOM M101	INLINE	280	0.5	1180	DIRECT	CENTRIFUGAL	—	3.0	24	—	89 W	1.33	115 / 10	PROVIDE WITH BACKDRAFT DAMPER, FAN SPEED CONTROL, DISCONNECT SWITCH, & ISOLATION KIT.
EF-2 & EF-5	GREENHECK CSP-4350	TOILETS	STORAGE / MECH. ROOM M101	INLINE	280	0.5	1180	DIRECT	CENTRIFUGAL	—	3.0	24	—	89 W	1.33	115 / 10	PROVIDE WITH BACKDRAFT DAMPER, FAN SPEED CONTROL, DISCONNECT SWITCH, & ISOLATION KIT.
EF-3 & EF-6	GREENHECK CSP-4190	MECH ROOM STORAGE	STORAGE / MECH. ROOM M101	INLINE	150	0.25	1241	DIRECT	CENTRIFUGAL	—	1.1	17	—	36 W	1.1	115 / 10	PROVIDE WITH BACKDRAFT DAMPER, FAN SPEED CONTROL, DISCONNECT SWITCH, & ISOLATION KIT.

ELECTRIC HEATER SCHEDULE									
DESIG.	MFR./MDL.	SERVES	TYPE	CFM	HEATING		ELECTRICAL		REMARKS
					KW	BTU/HR	VOLT/PHASE	AMPS	
UH-1 & UH-6	QMARK / AWH4507F	WOMEN'S TOILET	WALL MOUNTED	—	4.8	16,380	277V / 1Ø	17.3	PROVIDE SURFACE MOUNTING FRAME, THERMOSTAT, BRONZE COLOR, & DISCONNECT SWITCH
UH-2 & UH-7	QMARK / AWH4507F	WOMEN'S TOILET	WALL MOUNTED	—	4.8	16,380	277V / 1Ø	17.3	PROVIDE SURFACE MOUNTING FRAME, THERMOSTAT, BRONZE COLOR, & DISCONNECT SWITCH
UH-3 & UH-8	QMARK / AWH4507F	MEN'S TOILET	WALL MOUNTED	—	4.8	16,380	277V / 1Ø	17.3	PROVIDE SURFACE MOUNTING FRAME, THERMOSTAT, BRONZE COLOR, & DISCONNECT SWITCH
UH-4 & UH-9	QMARK / AWH4507F	MEN'S TOILET	WALL MOUNTED	—	4.8	16,380	277V / 1Ø	17.3	PROVIDE SURFACE MOUNTING FRAME, THERMOSTAT, BRONZE COLOR, & DISCONNECT SWITCH
UH-5 & UH-10	QMARK / MUH23-41	MECH ROOM / STORAGE	WALL MOUNTED	350	3.0	10,200	480V / 3Ø	3.6	PROVIDE WALL MOUNTING BRACKET, THERMOSTAT, SUMMER FAN SWITCH, & DISCONNECT SWITCH

LOUVER SCHEDULE									
DESIG.	MFR./MDL.	TYPE	SERVES	CFM	S.P.	SIZE	VELOCITY FPM	FINISH	REMARKS
L-1 & L-5	GREENHECK EACC-601	6" DEEP COMBINATION DRAINABLE	EF-1 & EF-4	260	0.02"	30" W x 24" H	397	KYNAR	PROVIDE WITH BRD SCREEN, COLOR AS SELECTED BY ARCHITECT.
L-2 & L-6	GREENHECK EACC-601	6" DEEP COMBINATION DRAINABLE	EF-2 & EF-5	260	0.02"	30" W x 24" H	397	KYNAR	PROVIDE WITH BRD SCREEN, COLOR AS SELECTED BY ARCHITECT.
L-3 & L-7	GREENHECK EACC-601	6" DEEP COMBINATION DRAINABLE	EF-3 & EF-6	150	0.01"	16" W x 16" H	265	KYNAR	PROVIDE WITH BRD SCREEN, COLOR AS SELECTED BY ARCHITECT.
L-4 & L-8	GREENHECK EACC-601	6" DEEP COMBINATION DRAINABLE	EF-3 & EF-6	710	0.03"	36" W x 16" H	505	KYNAR	PROVIDE WITH BRD SCREEN, COLOR AS SELECTED BY ARCHITECT.

AIR DEVICE SCHEDULE							
DESIG.	MFR./MDL.	TYPE	FACE SIZE	FINISH	FREE AREA	ACCESS.	REMARKS
EG-1	TITUS 350HL	SEAWALL EXHAUST	AS NOTED	WHITE	—	OPPOSED BLADE DAMPER	PROVIDE WITH 3/4" SPACED BLADES, 25° DEFLECTION, BLADES PARALLEL TO LONG DIMENSION

HVAC GENERAL NOTES									
1.	DUE TO THE SMALL SCALE OF THIS DRAWING, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING THE WORK AND SHALL COORDINATE AND ARRANGE HIS WORK ACCORDINGLY.								
2.	ROUND BRANCH DUCT RUNOUTS SHALL BE SAME SIZE AS DIFFUSER THROAT UNLESS OTHERWISE NOTED.								
3.	FLEXIBLE DUCT MAY BE USED FOR FINAL CONNECTIONS TO DIFFUSERS. A MAXIMUM LENGTH OF THREE FEET (3') SHALL BE USED. A HARD 90° ELBOW MUST BE USED WHERE DUCT TURNS DOWN ABOVE DIFFUSER.								
4.	WHERE MANUAL DAMPERS ARE INSTALLED IN EXTERNALLY INSULATED DUCTWORK, PROVIDE STAND-OFF BRACKET TO PREVENT COMPRESSION OF INSULATION BY DAMPER OPERATOR HANDLE.								
5.	PROVIDE TURNING VANES IN ALL 90-DEGREE MITERED ELBOWS.								
6.	PROVIDE SLEEVES THROUGH WALLS AND FLOORS. SEAL EXCESS OPENING WITH WATER-PROOF SEALANT. COORDINATE LOCATIONS AND SIZES OF SLEEVES WITH GENERAL CONTRACTOR. SLEEVES SHALL PROVIDE A MAXIMUM OF 1" CLEARANCE BETWEEN DUCT OR PIPE AND SLEEVE. SEAL PENETRATION IN FIRE/SMOKE RATED WALLS AND FLOOR WITH AN APPROVED FIRE/SMOKE BLOCK SEALANT.								
7.	EXHAUST DUCTWORK SHALL BE UN-INSULATED, UNLESS NOTED OTHERWISE.								
8.	REFER TO REFLECTED CEILING PLAN FOR EXACT DIFFUSER LOCATIONS.								
9.	COORDINATE LOCATION OF DUCTS AND DIFFUSERS WITH STRUCTURAL FRAMING MEMBERS. OFFSET DUCTS AS REQUIRED TO CLEAR STRUCTURAL MEMBERS.								
10.	COORDINATE LOCATION AND ELEVATION OF DUCT RUNS WITH PLUMBING AND ELECTRICAL CONTRACTORS.								
11.	DUCT DIMENSIONS ARE REQUIRED FREE AREA AND DO NOT ACCOUNT FOR INTERNAL INSULATION THICKNESS. INCREASE DUCT SIZES WHERE INTERNAL INSULATION IS SHOWN TO ACHIEVE THE REQUIRED FREE AREA.								

CONTROLS SEQUENCE OF OPERATION									
EXHAUST FAN SEQUENCE OF OPERATION:									
EF-1, EF-2, EF-4, & EF-5									
THE EXHAUST FAN SHALL BE INTERLOCKED WITH THE LIGHT SWITCH IN THE ROOM IT SERVES. WHEN THE SWITCH IS ON, THE FAN SHALL BE ENABLED AND THE MOTORIZED DAMPER IN THE RETURN LOUVER IN THE EXTERIOR WALL OF THE ROOM IT SERVES SHALL OPEN. WHEN THE SWITCH IS OFF, THE FAN SHALL BE DISABLED AND THE DAMPER SHALL CLOSE.									
EF-3 & EF-6									
THE EXHAUST FAN SHALL BE CONTROLLED BY A WALL MOUNTED SWITCH IN THE ROOM IT SERVES. WHEN THE SWITCH IS ON, THE FAN SHALL BE ENABLED AND THE MOTORIZED DAMPER AT THE INTAKE LOUVER SHALL OPEN. WHEN THE SWITCH IS OFF, THE FAN SHALL BE DISABLED AND THE DAMPER SHALL CLOSE.									

DUCTWORK LEGEND									
	CEILING DIFFUSER (CD)		RETURN AIR GRILLE (RA)		EXHAUST REGISTER (ER)		SIZE - DESIGNATION		FLEXIBLE DUCT CONNECTOR
	TURNING VANES		SPLITTER DAMPER (TEE)		INTERNALLY INSULATED DUCT		EXTRACTOR		MANUAL DAMPER
	MOTORIZED DAMPER		CONDENSATE DRAIN PIPING		REFRIGERANT SUCTION AND LIQUID PIPES		DIAMETER		THERMOSTAT
	DETAIL		SECTION	TOP NUMBER REFERS TO THE DETAIL. NUMBER BOTTOM NUMBER REFERS TO THE SHEET WHERE DETAIL IS SHOWN					

CITY OF JONESBORO
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Revision Schedule	Issued	Revised	By	Date
1				
2				
3				
4				
5				
6				
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Commitment Number 12015-2BA	MM201
Date: September 23, 2020	



PLUMBING GENERAL NOTES	
1.	THE CONTRACTOR SHALL, PRIOR TO THE START OF ANY WORK UNDER THIS CONTRACT, JOB SITE VERIFY SIZE, LOCATION, ETC., OF ANY EXISTING PIPING NOTED, SHOWN OR IMPLIED, TO WHICH NEW PIPING IS RELATED OR CONNECTED.
2.	HOT AND COLD WATER SUPPLIES TO FIXTURES SHALL BE AS FOLLOWS, UNLESS SHOWN OR NOTED OTHERWISE.
	WATER CLOSET _____ 1"
	URINAL _____ 1"
	LAVATORY _____ 1 1/2"
	SERVICE SINK _____ 3/4"
	ELECTRIC WATER COOLER _____ 1/2"
	SINK _____ 1/2"
	SHOWER _____ 3/4"
	FREEZE-PROOF WALL HYDRANT _____ 1/2"
	CLINICAL SINK _____ 1-1/4" & 1/2"
	ICE MACHINE _____ 1/2"
	SUPPLY AND DRAIN UNIT (WASHER BOX) _____ 1/2"
	HOSE BIB _____ 1/2"
	EMERGENCY SHOWER/EYEWASH _____ 1-1/4"
3.	INSTALL WATER HAMMER ARRESTORS EQUAL TO ZURN "SHOCKTROL" AT EACH QUICK CLOSING VALVE, AND AT EACH GROUP OF PLUMBING FIXTURES, AND AS NOTED ON DRAWINGS SIZED AS PER MANUFACTURERS RECOMMENDATIONS. (MUST BE ACCESSIBLE WHERE POSSIBLE, ABOVE CEILING IF NECESSARY)
4.	ALL SUPPLIES TO FIXTURE SHALL BE PROVIDED WITH HIGH EAR COUPLING EQUAL TO MUELLER CO. No. C-100HE (1/2", 3/4" OR 1" SIZE) AT THE WALL (ANCHOR TO CROSS MEMBER SUPPORT) BEFORE PIPE ENTERS ROOM SPACE TO ASSURE NO PIPE MOVEMENT WITHIN WALL CAVITY.
5.	ALL FLOOR DRAINS SHALL BE PROVIDED WITH DEEP SEAL TYPE TRAP WITH NOT LESS THAN FOUR INCH (4") WATER SEAL AND BE PROVIDED WITH TRAP PRIMER.
6.	ALL VENTS THROUGH ROOF (V.T.R.) SHALL BE PROVIDED WITH 6" (24" X 24" SIZE) FLASHING, WHERE STANDING SEAL TYPE IS USED THE FLASHING SHALL BE IN ACCORDANCE WITH THE ROOFING MANUFACTURERS RECOMMENDATION AND AS DETAILED ON THE ARCHITECTURAL DRAWINGS. CLOSE COORDINATION WITH THE ROOFING CONTRACTOR SHALL BE MAINTAINED TO ASSURE THE VENT PENETRATION IS CENTERED WITHIN THE METAL ROOF PANELS. TYPICALLY FOR METAL OR OTHER SPECIAL MATERIAL ROOFS - USE MANUFACTURED RUBBER BOOT WITH STAINLESS STEEL HARDWARE TYPE THAT IS ARCHITECT APPROVED AND MUST BE COMPATIBLE WITH ROOFING SYSTEM AND ROOF WARRANTY.
7.	FLUSH VALVES SHALL BE MOUNTED SUCH THAT THE DIMENSION FROM FLUSH VALVE CENTERLINE TO FINISHED FLOOR SHALL BE 39". (DOES NOT APPLY TO ELECTRONIC FLUSH VALVES) WHERE HANDICAPPED GRAB BARS ARE INSTALLED ON BACK WALL AT CLOSET, FLUSH VALVE SHALL BE MOUNTED AT STANDARD HEIGHT. SEE SPECIFICATIONS AND WATER CLOSET DETAIL.
8.	WHERE THIS SYMBOL OCCURS ON THE DRAWINGS, REFERENCE SHOULD BE MADE TO THE KEYED NOTES ON THAT SAME SHEET AND THE CORRESPONDING NUMBER OF THAT NOTE.
9.	WHERE PLUMBING FIXTURES ARE LOCATED ON EXTERIOR WALL, WATER PIPING SHALL BE INSTALLED ON THE THERMAL SIDE OF THE WALL INSULATION.
10.	CLOSE COORDINATION AND COOPERATION SHALL BE MAINTAINED BETWEEN TRADES WITH REGARD TO PLUMBING, HVAC, FIRE PROTECTION AND ELECTRICAL PLANS.
11.	PROVIDE CLEANOUT CLEARANCE IN ACCORDANCE WITH THE ARKANSAS STATE PLUMBING CODE, BUT DO NOT LOCATE IN FOOT TRAFFIC PATHWAYS. DO NOT LOCATE CLEANOUTS IN FLOORS WITH CARPET, (FIELD COORDINATE) LOCATE FLOOR CLEANOUT NEAR WALLS, IN JANITORS ROOM, STORAGE ROOM, ETC., DO NOT LOCATE NEAR DOORWAYS.
12.	PROVIDE FIRE STOPPING OR FIRE STOP SLEEVE DEVICES AT ALL RATED ASSEMBLIES - SEE ARCHITECTURAL SPECIFICATIONS AND ARCHITECTURAL DRAWINGS FOR DETAILS.
13.	TRAP PRIMERS- LOCATE TRAP PRIMERS REASONABLY CLOSE TO PLUMBING FIXTURE (10' TO 20'). DO NOT CONNECT TRAP PRIMER TO WATER LINE LARGER THAN 1-1/2" SIZE- TRY TO LOCATE TRAP PRIMER LOWER THAN PLUMBING FIXTURES. FIELD VERIFY EXACT TRAP PRIMER LOCATIONS AND WATER PIPE ROUTING. TRAP PRIMER SHALL TYPICALLY BE PRECISION PLUMBING PRODUCTS MODEL # P2-500. WHERE FLOOR DRAINS OCCUR NEAR WATER CLOSETS - USE VACUUM BREAKER TRAP PRIMER - SLOAN "TP" - MODEL VBF-72A - EXPOSED 3/8" TUBING SHALL BE VERY MINIMAL AND CHROME PLATED WITH CAST CHROME FLANGE TO WALL.
14.	COORDINATE EXACT LOCATIONS OF ALL PLUMBING PIPING WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
15.	VERIFY WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL "ADA" PLUMBING FIXTURES
16.	ALL JANITORS ROOMS SHALL HAVE FLOOR DRAINS.
17.	ALL SANITARY SEWER RISERS SHALL HAVE CLEANOUT AT THE BASE (WALL CLEANOUT OR FLOOR CLEANOUT)
18.	ALL STORM DRAIN PIPING SHALL HAVE CLEANOUT PLUGS AT EACH 90° TURN AND CEILINGS AND HAVE A FLOOR OR WALL CLEANOUT AT THE BASE OF ALL RISERS.
19.	INSTALL PIPING EXPANSION JOINTS IN ALL PIPING THAT CROSSES BUILDING EXPANSION JOINTS. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND PLUMBING ROOF PLAN FOR BUILDING EXPANSION JOINT LOCATIONS.
20.	TWO-WAY CLEANOUTS SHALL BE INSTALLED AT THE JUNCTION OF THE BUILDING DRAIN AND THE BUILDING SEWER (TYP ALL AREAS) - MUST BE INSTALLED TO MEET PLUMBING CODES, EVEN IF NOT SHOWN ON DRAWING - VERIFY AND COORDINATE WITH CIVIL UTILITY DRAWINGS.

PLUMBING LEGEND			
SYMBOL	DESCRIPTION		
---	SOIL, WASTE, OR SANITARY SEWER	---	UNION
---SS---	SANITARY SEWER (ON SITE)	FD	FLOOR DRAIN
-----	SANITARY VENT	RD	ROOF DRAIN
---CW---	COMBINATION WASTE AND VENT	AD	ACCESS DOOR
---W---	WATER (ON SITE)	VTR	VENT THRU ROOF
---	COLD WATER	HB	HOSE BIB
---H---	HOT WATER	FPWH	FREEZE PROOF WALL HYDRANT
---R---	HOT WATER RETURN	CO	CLEANOUT PLUG
---SD---	STORM DRAIN	FCO	FLOOR CLEANOUT
---D---	INDIRECT DRAIN	AFCD	FLOOR CLEANOUT WITH ACID RESISTANT PIPING AND FITTINGS
---G---	NATURAL GAS (LOW PRESSURE GAS)	WCO	WALL CLEANOUT
---	FLOW DIRECTION	ECO	EXTERIOR CLEANOUT
---	GATE VALVE	---	DENOTES - SANITARY VENT STACK THRU ROOF
---	GLOBE VALVE	---	RISER DESIGNATION
---	CHECK VALVE	---	NEW CONNECTION TO EXISTING
---	BALL VALVE	---	EXISTING PIPING TO BE REMOVED OR ABANDONED
---	PLUG COCK - GAS COCK	---	EXISTING PIPING TO REMAIN
---	PRESSURE REDUCING VALVE	---	CAP AND SEAL AIR OR WATER TIGHT
---	STRAINER	---	TERMINATION POINT OF DEMOLITION

FIXTURE LEGEND	
SYMBOL	DESCRIPTION
---	NEW FIXTURE
---	ROUGH IN AND FINAL CONNECT ONLY
---	EXISTING FIXTURE TO REMAIN
---	EXISTING FIXTURE TO BE REMOVED
---	EXISTING FIXTURE (RELOCATED, OR REPAIRED - SEE NOTES)



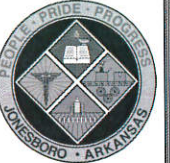
Commission Number
12015-26A
PM000
Date: September 23, 2020



Revision Schedule	
Rev.	Rev. Description
1	Initial
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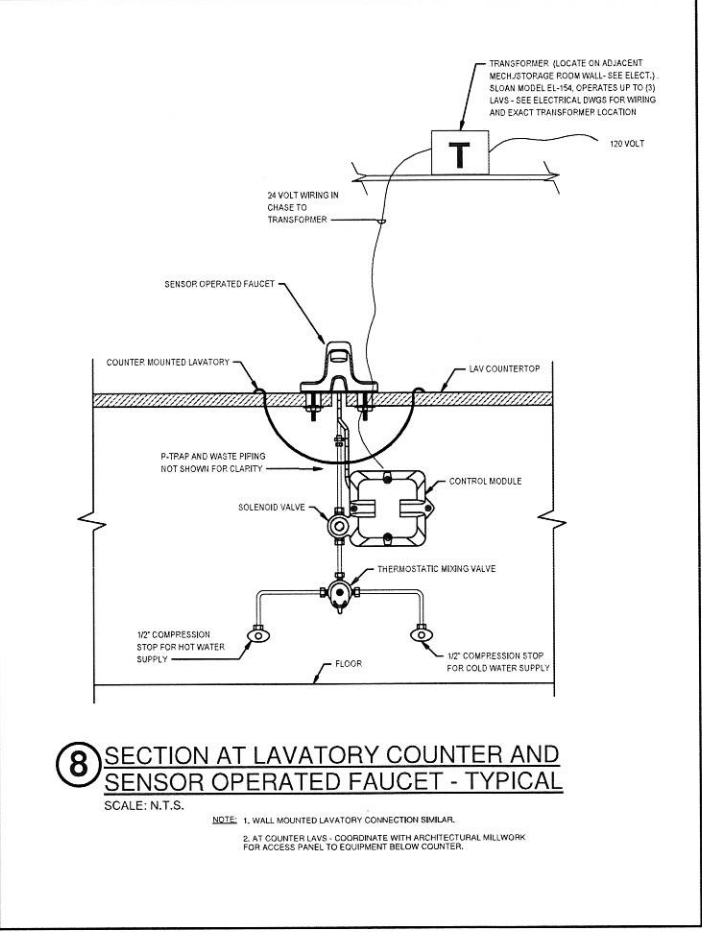
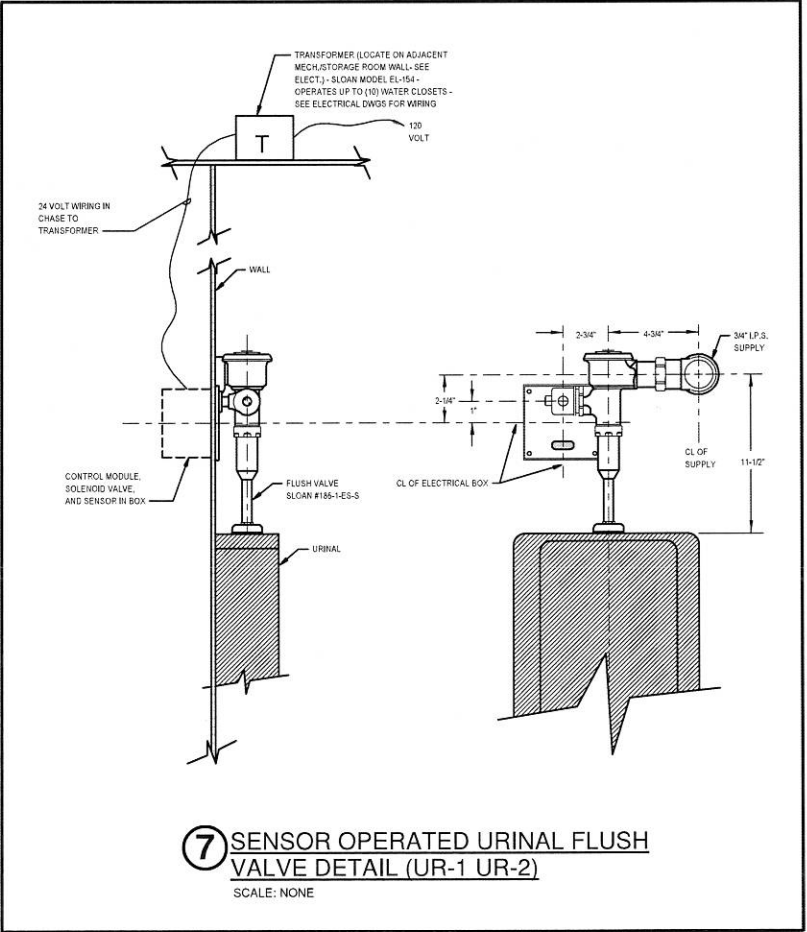
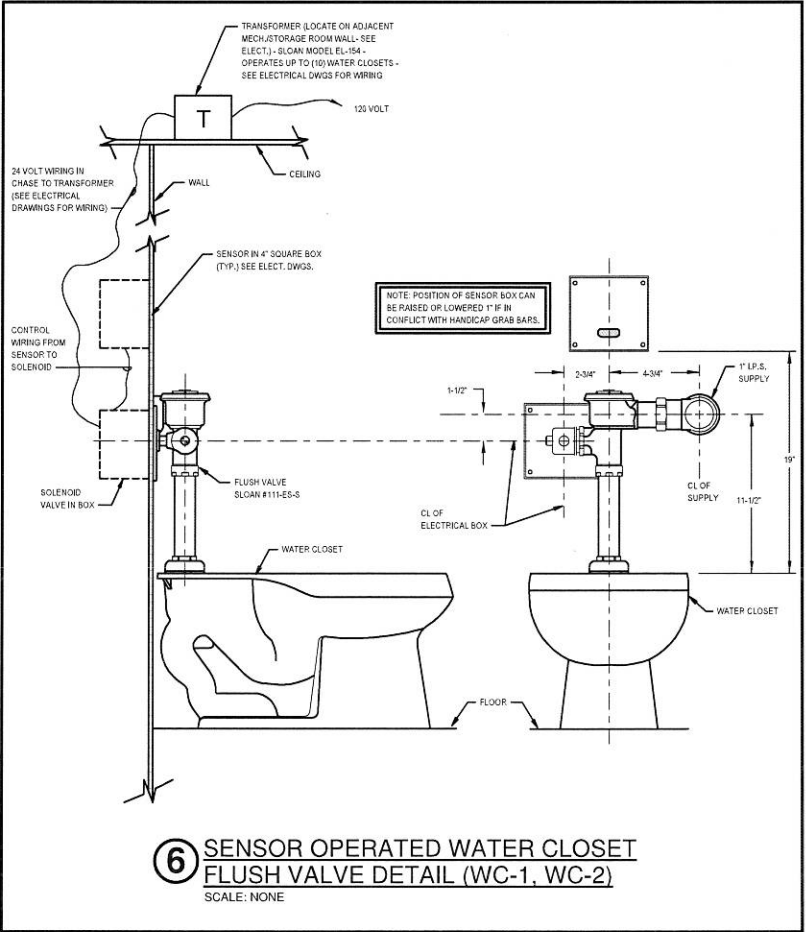
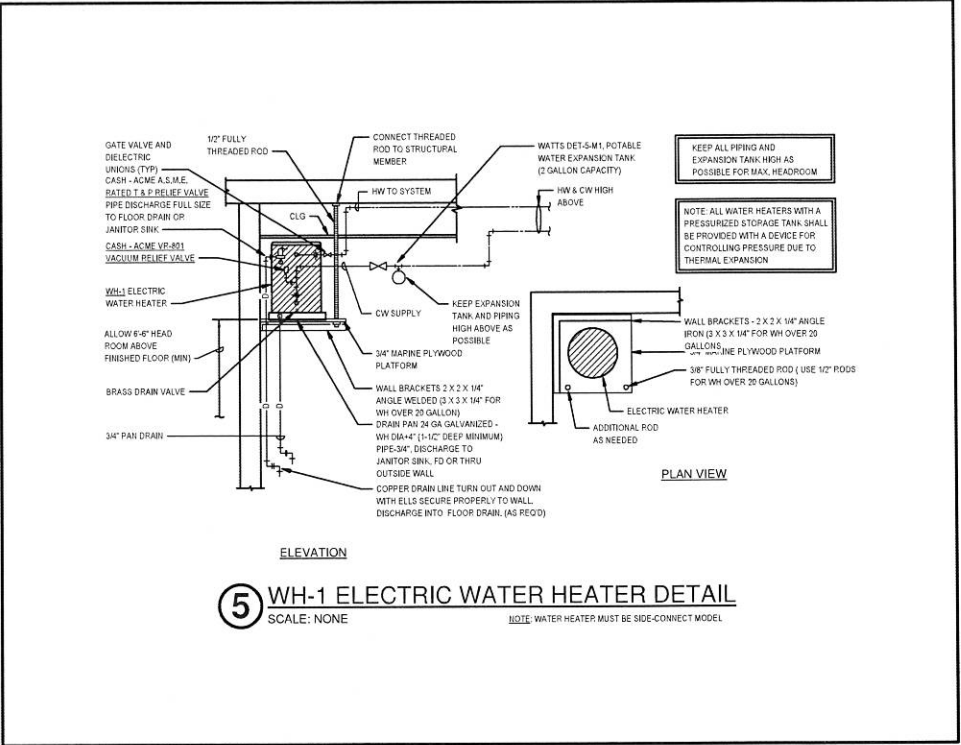
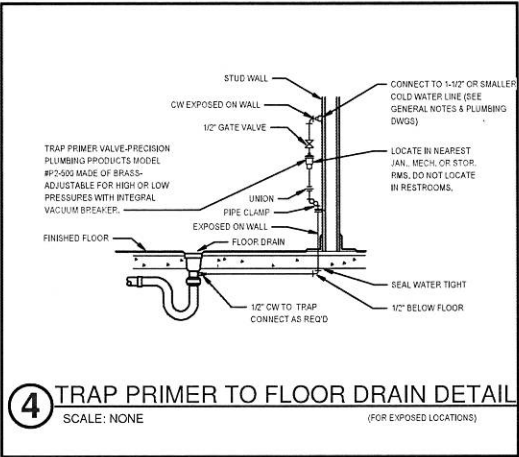
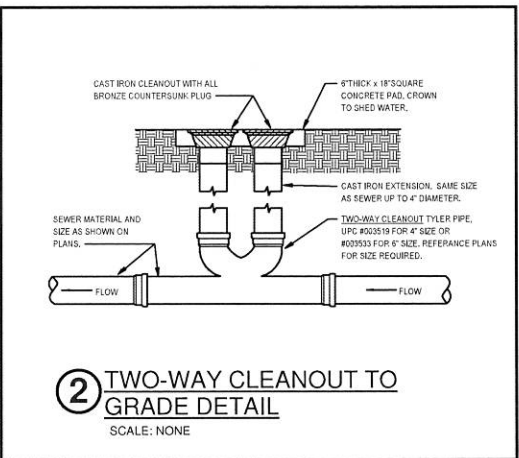
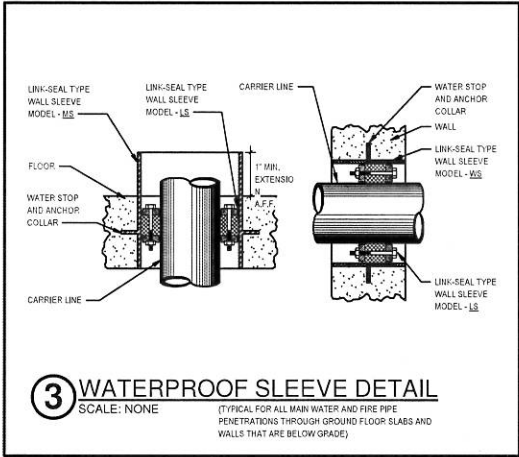
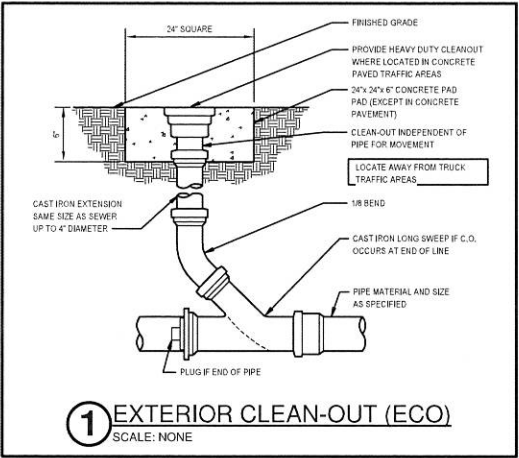
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CITY OF JONESBORO
**JONESBORO SHOOTING
SPORTS COMPLEX**
PHASE IIB
Jonesboro, Arkansas





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PHASE IIB
Jonesboro, Arkansas



Revision	By	Date



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PM201
Date: September 23, 2020



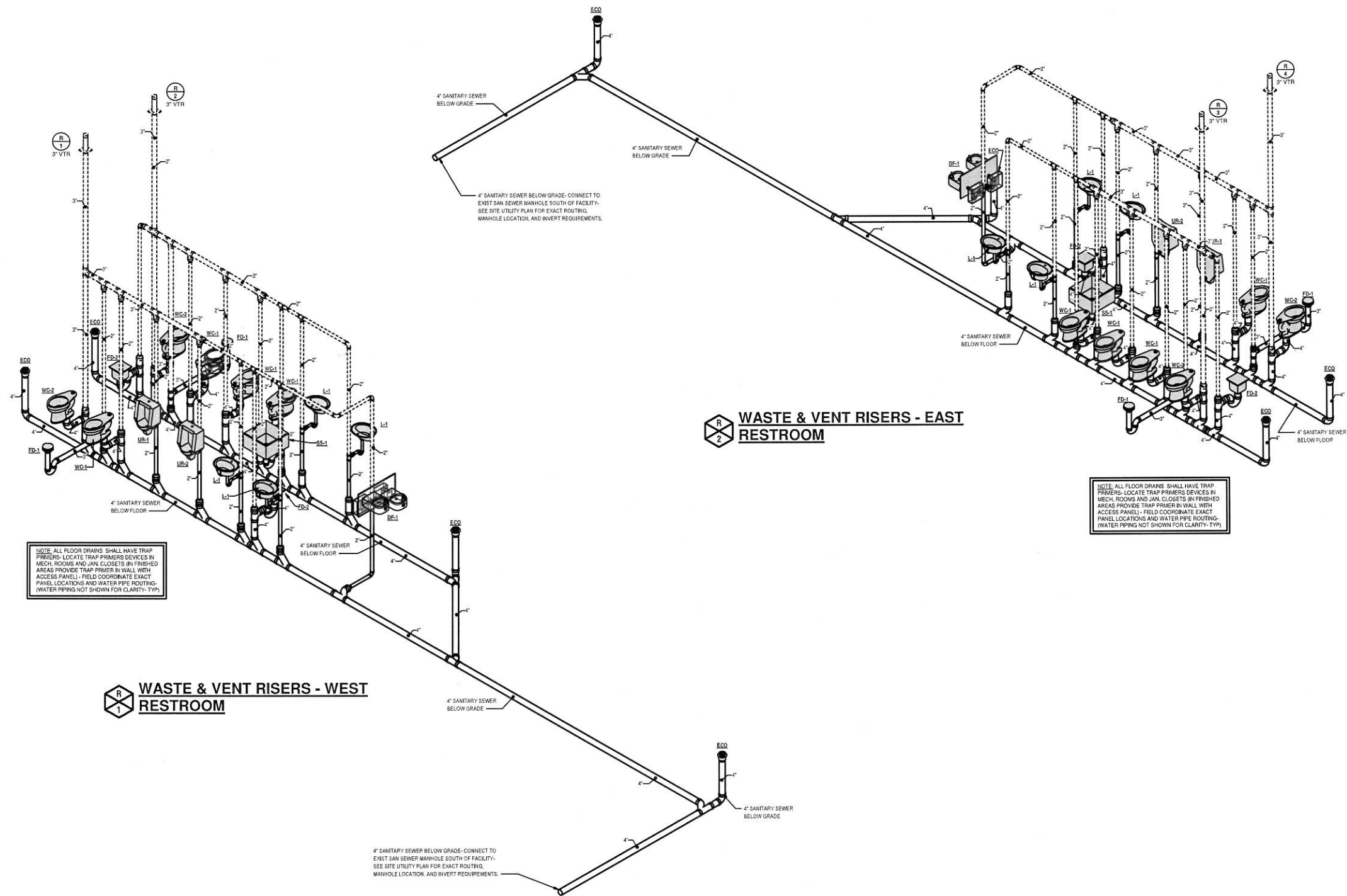
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JONESBORO SHOOTING
SPORTS COMPLEX
PHASE IIB
Jonesboro, Arkansas

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Commission Number
12015-2BA

PM301

Date: September 23, 2020



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PLUMBING FIXTURE SCHEDULE										
TYPE MARK	MANUFACTURER	MODEL	DESCRIPTION	ADA COMPLIANT	TRIM	SUPPLIES	TRAP	GPM	SUPPORT	COMMENTS
DF-1	Haws	1119FR	Freeze proof, hi-to, freeze resistant 18 gauge stainless steel, air operated, freeze resistant valve system for each fountain model 5700W chrome brass bubbler heads model ES21FR pneumatic operated valves model 6462 strainer, 5861 PBA push button bottom plate with vandal resistant screws. Provide complete inside metal cabinet to enclose all valves and P-traps with removable stainless steel access panel inside building with vandal proof hardware and screws. Furnish floor mounted support carrier, heavy duty stops and traps.							
FPWH-1	Zum Industries	Z-1300	Ecocolor® anti-siphon, non-freeze, 3/4 inch size nickel bronze casing and all bronze interior parts and non-turning operating rod with free floating compression closure valve, polished nickel bronze face, integral backflow preventer, union elbow inlet, wall clamp and key handle. Box face and hinged cover shall be nickel bronze complete with operating key lock.							
HB-1	Zum Industries	Z-1330	Ecocolor® anti-siphon, moderate climate, 3/4 inch size nickel bronze casing and all bronze interior parts and non-turning operating rod with free floating compression closure valve, nickel bronze face, integral backflow preventer. Nickel bronze box and hinged cover with operating key lock and WATER stamped on cover.							
L-1	Kohler	K-2196	Pennington® self-rimming lavatory, 20 inch by 17 inch size, vitreous china, oval basin, front overflow, with 6 inch faucet drilling centers	Yes	Sloan Model ETF-600 sensor operated faucet, 0.5 GPM aerator, McGuire 155-A grid drain, Sloan below deck MIX 125 thermostatic mixing valve, Model EL-154 transformer.	McGuire H2167LN 1/2 inch IPB heavy cast brass angle stop, loose key handle, annealed perforated strainer and 1-1/4 inch tailpiece, Sloan below deck MIX 125 thermostatic mixing valve, Model EL-154 transformer.	McGuire 8872 (1-1/4 inch) polished chrome plated cast brass adjustable "P" trap with cleanout and 17-gage tubing to wall with C.P. cast brass set screw escutcheon.		Counter Mounted	
SS-1	Slem Williams	SB-900	ServicePro® Mop Sink, 24inch x 24inch x 12inch, Precast Terrazzo, with one piece stainless steel cast integral cap on all four sides and Integral Cast Brass Drain with S.S. strainer, 3 inch outlet. Provide T-40 mop hanger, T-35 hose, and SF stainless steel back splash panels		T&S B-0665-B5GTIP faucet, polished chrome finish integral stops, top brace, lever handles, vacuum breaker, 8inch centers.		Cast Iron 3 inch size, deep seal type below floor		Floor Mounted	
UR-1	Kohler	K-4960-ET	Bardon™ urinal with top spud, vitreous china, wash out with 3/4 inch top spud, 2 inch I.P.S. outlet connection	No	Sloan Optima sensor operated flush valve with true mechanical override, model 186-0.5 ES-S-TMO (1.5 gph). Provide model EL-154 transformer 120VAC/24VAC (one transformer to serve up to 10 water closets), wall flange, set screw.		Integral with Fixture		Zum Z-1222 "Rigid Plate System" having steel uprights with support plates, and bearing jacks on adjustable headers	
UR-2	Kohler	K-4960-ET	Bardon™ urinal with top spud, vitreous china, wash out with 3/4 inch top spud, 2 inch I.P.S. outlet connection	Yes	Sloan Optima sensor operated flush valve with true mechanical override, model 186-0.5 ES-S-TMO (1.5 gph). Provide model EL-154 transformer 120VAC/24VAC (one transformer to serve up to 10 water closets), wall flange, set screw.		Integral with Fixture		Zum Z-1222 "Rigid Plate System" having steel uprights with support plates, and bearing jacks on adjustable headers	Note: ADA law for product operation and location. Fixture shall be mounted such that lip of fixture is set at 17 inches above finish floor.
WC-1	Kohler	K-4406	Wellworth® vitreous china, siphon jet, 1.28 gph, 12 inch rough in, elongated rim, floor mounted, 1-1/2 inch top spud bowl, bolt caps, Osomite 95-SS "Industrial" Seat-finish white, extra heavy duty plastic for elongated bowl, open front with concealed check hinge, self-sustaining feature and stainless steel hinge post.	No	Sloan Optima sensor operated flush valve with true mechanical override, model 111-1.28 ES-S-TMO. Provide model EL-154 transformer 120VAC/24VAC (one transformer to serve up to 10 water closets), wall flange, set screw.		Integral with Fixture		Floor Mounted	
WC-2	Kohler	K-4405	Higline® vitreous china, siphon jet, 1.28 gph, 12 inch rough in, elongated rim, floor mounted, 1-1/2 inch top spud bowl, bolt caps, Osomite 95-SS "Industrial" Seat-finish white, extra heavy duty plastic for elongated bowl, open front with concealed check hinge, self-sustaining feature and stainless steel hinge post.	Yes	Sloan Optima sensor operated flush valve with true mechanical override, model 111-1.28 ES-S-TMO. Provide model EL-154 transformer 120VAC/24VAC (one transformer to serve up to 10 water closets), wall flange, set screw.		Integral with Fixture		Floor Mounted	Note: Control for handicap flush valve shall be mounted on wide side of the toilet area. In locations where this occurs to the right of the fixture, furnish and install Sloan 111-C-1-YC-YK "Rigid" exposed flush valve.

NOTE: Equipment (By Owner) Rough-in and make final connections for equipment as indicated on plans. Furnish EBC, McGuire, or Kohler straight stop (1/2 inch IPS) or female inlet and outlet and polished chrome plated cast brass. Kohler K-4958 (1-1/4 inch) to K-6030 (1-1/2 inch). McGuire or EBC polished chrome plated cast brass adjustable ground/joint valve pattern with cleanout and other trim as specified on plans. All exposed piping shall be chrome plated and escutcheons shall be C.P. cast brass set screw type.

PLUMBING EQUIPMENT SCHEDULE					
TYPE MARK	MANUFACTURER	MODEL	DESCRIPTION	HORSEPOWER	VOLTAGE
WH-1	A. O. Smith	DEL-20	Commercial Electric Water Heater- Heater shall be rated at 4.5 KW, 480 V, Three Phase, 60 cycle AC, and listed by Underwriters Laboratories. Heater shall have a maximum working pressure of 150 psi. A nominal storage tank capacity of 20 gallons with a separate 3/4 inch tapping for relief valve installation and be equipped with enameled high density magnesium anode, internal surfaces exposed to water shall be glass lined, outer jacket of baked enamel finish provided with full size control compartment for performance and maintenance through hinged front panels and tank enclosed with foam insulation. Elements shall be medium wall density with zinc plated copper sheath, controlled by individually mounted thermostat and high temperature cut off switch. Tank shall be 20 gallon capacity, brass drain valve with wheel handle, and A.W. Cash Valve Mfg. Corp., A.S.M.E. temperature and pressure relief valve. Units shall have manufacturer's three year warranty and shall meet the requirements of ASHRAE 90-A for energy		

PLUMBING DRAIN SCHEDULE				
TYPE MARK	MANUFACTURER	MODEL	DESCRIPTION	COMMENTS
FD-1	Wade	1100-TY-STD7-5	Cast Iron Drain with Flange, Integral Reversible Clamping Collar, Seepage Openings, 1/2 inch Trap Primer Tap, 7 inch Diameter Nickel Bronze Strainer and Vandal Proof Screws. Note: All floor drains shall be accessorized for vandal proof installation and shall have trap primers.	
FD-2	Wade	9150-TY-1-16-5-6	Cast Iron 12inchx12inchx10inch Square Floor Sink with 10 inch sump, A.R.E. Interior, Aluminum Dome Strainer, and 3/4 Nickel Bronze Hinged Top. Note: All Floor sinks shall be accessorized for vandal proof installation and shall have trap primers.	

CITY OF JONESBORO
**JONESBORO SHOOTING
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Revision Schedule	Issued	Revised
1		
2		
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Commission Number
12015-2DA
PM401
Date: September 23, 2016



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



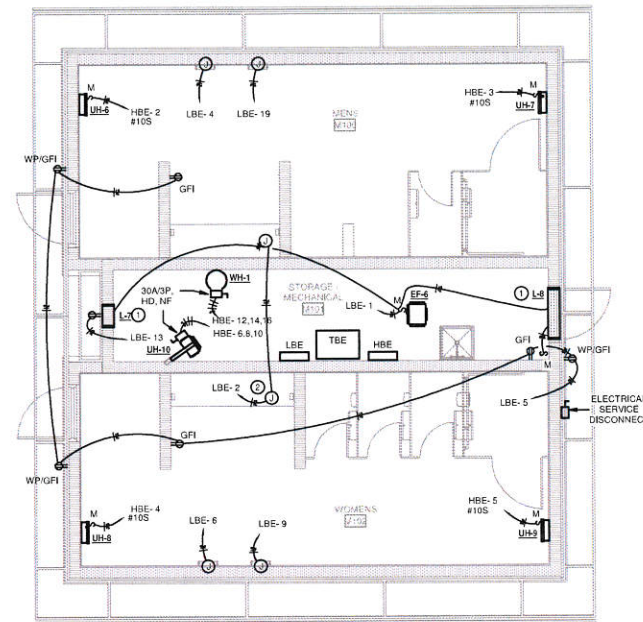
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GENERAL NOTES

- ## ELECTRICAL KEYED NOTES

- ## PROJECT NOTE

Commission Number
12015-2BA
EM101
Date: September 23, 20

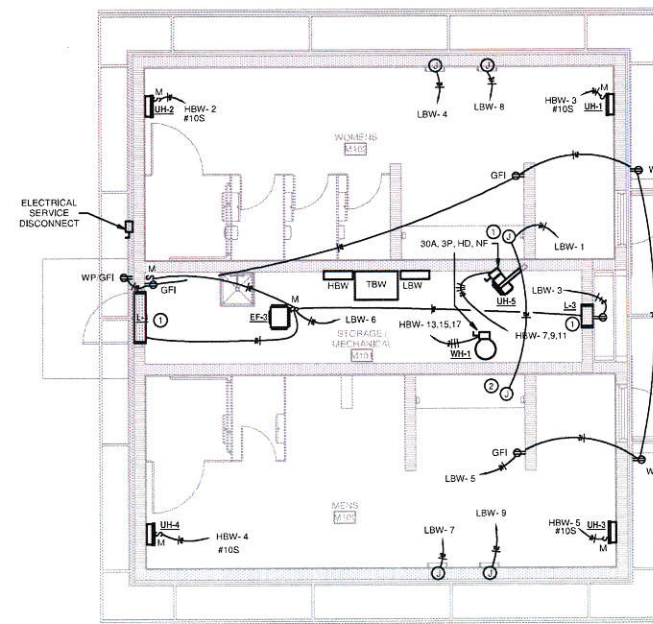


ELECTRICAL KEYED NOTES

- ① MOTORIZED LOUVER. COORDINATE WITH HVAC CONTRACTOR
- ② JBOX FOR PLUMBING SENSORS. COORDINATE WITH PLUMBING CONTRACTOR

PROJECT NOTE

COORDINATE ALL INSTALLATION OF THE HVAC EQUIPMENT WITH THE GENERAL CONTRACTOR. NOTE, SOME OF THE EQUIPMENT IS RECESSED IN THE BLOCK WALL AND WILL REQUIRE CONDUIT TO BE INSTALLED IN THE BLOCK WALL.



FLOOR PLAN WEST - POWER

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



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Commission Number
12015-2BA

EM102

Date: September 23, 2020

FIRST FLOOR PLAN - POWER

Panelboard:		HBW	VOLTAGE: 480/277 Wye		COPPER BUS RATING: 100 A		MANS TYPE: MCB		
LOCATION: STORAGE / MECHANICAL...		PHASE: 3		GROUND BUS:		MCB RATING: 100A			
MOUNTING: Surface		WIRES: 4		MINIMUM A.I.C. RATING:		FED FROM:			
ENCLOSURE: Type 1		MFR. AND TYPE: SQUARE D NF		SUBFEED LUGS:		NEUTRAL RATING:			
Circuit Number	Load Name	BRKR	A	B	C	BRKR	Load Name	Circuit Number	
1	LIGHTING	20A/1P	649	4800		25A/1P	UH-2	2	
3	UH-1	25A/1P		4800	4800	25A/1P	UH-4	4	
5	UH-3	25A/1P			4800	1378		6	
7			1000	1380			TBW	8	
9	UH-5	15A/3P		1000	1280			10	
11					1000	0	20A/1P	SPARE	12
13			1500	0			20A/1P	SPARE	14
15	WH-1	15A/3P		1500	0		20A/1P	SPARE	16
17					1500	0		SPACE W/ BUS	18
19	SPARE	20A/1P	0	0				SPACE W/ BUS	20
21	SPARE	20A/1P		0	0			SPACE W/ BUS	22
23	SPARE	20A/1P			0	0		SPACE W/ BUS	24
Total Load:			9329 VA		13380 VA		8678 VA		
Total Amps:			34 A		49 A		31 A		
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals	
Lighting		234 VA		125.00%		297 VA		31387 VA	
Receptacles		1260 VA		100.00%		1260 VA		31460 VA	
HVAC		778 VA		100.00%		778 VA		38 A	
Power		9550 VA		100.00%		9550 VA			
Other		19555 VA		100.00%		19555 VA			
Motor		0 VA		0.00%		0 VA			
Heating		0 VA		0.00%		0 VA			
Existing Load		0 VA		0.00%		0 VA			
Notes:									

Panelboard:		LBE	VOLTAGE: 120/208 Wye		COPPER BUS RATING: 100 A		MANS TYPE: MCB				
LOCATION: STORAGE / MECHANICAL...		PHASE: 3		GROUND BUS:		MCB RATING: 100A					
MOUNTING: SURFACE		WIRES: 4		MINIMUM A.I.C. RATING:		FED FROM: TBE					
ENCLOSURE: Type 1		MFR. AND TYPE: SQUARE D NO		SUBFEED LUGS:		NEUTRAL RATING:					
Circuit Number	Load Name	BRKR	A		B		C	BRKR	Load Name	Circuit Number	
1	EF-6	20A/1P	0	0				20A/1P	PLUMBING SENSORS	2	
3	EF-5	20A/1P			100	500		20A/1P	HAND DRYER	4	
5	CONVENIENCE RECEIPTS	20A/1P					1080	500	HAND DRYER	6	
7	EF-4	20A/1P	100	178					HVAC EXHAUST FANS & LOUVER	8	
9	HAND DRYER	20A/1P			500	0		20A/1P	SPARE	10	
11	SPARE	20A/1P					0	0	20A/1P	SPARE	12
13	"EWG"	20A/1P	180	180					20A/1P	RECEIPTS	14
15	SPARE	20A/1P			0	0			20A/1P	SPARE	16
17	SPARE	20A/1P					0	0	20A/1P	SPARE	18
19	HAND DRYER	20A/1P	500	0					20A/1P	SPARE	20
21	SPARE	20A/1P			0	0			20A/1P	SPARE	22
23	SPARE	20A/1P					0	0	20A/1P	SPARE	24
25	SPACE W/ BUS		0	0					SPACE W/ BUS	26	
27	SPACE W/ BUS				0	0			SPACE W/ BUS	28	
29	SPACE W/ BUS						0	0	SPACE W/ BUS	30	
31	SPACE W/ BUS		0	0					SPACE W/ BUS	32	
33	SPACE W/ BUS				0	0			SPACE W/ BUS	34	
35	SPACE W/ BUS						0	0	SPACE W/ BUS	36	
37	SPACE W/ BUS		0	0					SPACE W/ BUS	38	
39	SPACE W/ BUS				0	0			SPACE W/ BUS	40	
41	SPACE W/ BUS						0	0	SPACE W/ BUS	42	
Total Load:			1138 VA		1100 VA		1580 VA				
Total Amps:			10 A		9 A		13 A				
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Lighting		0 VA		0.00%		0 VA		Total Connected Load:		3818 VA	
Receptacles		1440 VA		100.00%		1440 VA		Total Estimated Demand:		3818 VA	
HVAC		378 VA		100.00%		378 VA		Total Connected Current:		11 A	
Power		2000 VA		100.00%		2000 VA		Total Est. Demand Current:		11 A	
Other		0 VA		0.00%		0 VA					
Motor		0 VA		0.00%		0 VA					
Heating		0 VA		0.00%		0 VA					
Existing Load		0 VA		0.00%		0 VA					
Notes:											
* DENOTES GFI BREAKER *											

SYMBOL LEGEND	
	DUPLEX RECEPTACLE AT 18" A.F.F.
	GFI - GROUND FAULT CIRCUIT INTERRUPTER
	AC - MOUNTED ABOVE COUNTER
	BC - MOUNTED BELOW COUNTER
	WP - PROVIDED WITH WEATHERPROOF IN-USE TYPE COVER
	JUNCTION BOX
	SINGLE POLE TOGGLE SWITCH AT 48" A.F.F. TYPICAL
	2P - INDICATES 2-POLE TOGGLE
	M - MOTOR RATED TOGGLE
	OC - DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH
	WP - WEATHERPROOF COVER
	BRANCH CIRCUIT HOMERUN HOT-NEUTRAL-GROUND PANEL AND CIRCUIT NUMBER INDICATED ON PLAN
	PANELBOARD
	DISCONNECT SWITCH
	DRY-TYPE TRANSFORMER
	AIR SAMPLING SUPPLY
	AIR SAMPLING RETURN

Panelboard:			HBE	VOLTAGE: 480/277 Wye		COPPER BUS RATING: 100 A		MANS TYPE: MCB	
LOCATION: STORAGE / MECHANICAL...			PHASE: 3		GROUND BUS:			MCB RATING: 100A	
MOUNTING: Surface			WIRES: 4		MINIMUM A.I.C. RATING:			FED FROM:	
ENCLOSURE:		Type 1	MFR. AND TYPE:		SQUARE D NF	SUBFEED LUGS:		NEUTRAL RATING:	
Circuit Number	Load Name	BRKR	A	B	C	BRKR	Load Name	Circuit Number	
1	LIGHTING	20A/1P	1177	4800		25A/1P	UH-6	2	
3	UH-7	25A/1P		4800	4800	25A/1P	UH-8	4	
5	UH-9	25A/1P			4800	1000		6	
7	TBE	15A/3P	1138	1000			15A/3P	UH-10	
9				1100	1000				
11					1580	1500		10	
13	SPARE	20A/1P	0	1500			WH-1	12	
15	SPARE	20A/1P		0	1500			14	
17	SPARE	20A/1P			0	0		16	
19	SPARE	20A/1P	0	0			SPACE W/ BUS	18	
21	SPARE	20A/1P		0	0		SPACE W/ BUS	20	
23	SPARE	20A/1P			0	0	SPACE W/ BUS	22	
Total Load:			9615 VA	13200 VA	8880 VA	24			
Total Amps:			35 A	46 A	32 A				
Load Classification		Connected Load	Demand Factor		Estimated Demand		Panel Totals		
Lighting		322 VA	125.00%		402 VA		Total Connected Load:		
Receptacles		1440 VA	100.00%		1440 VA		Total Estimated Demand:		
HVAC		15078 VA	100.00%		15078 VA		Total Connected Current:		
Power		10000 VA	100.00%		10000 VA		Total Est. Demand Current:		
Other		355 VA	100.00%		355 VA		38 A		
Motor		0 VA	0.00%		0 VA				
Heating		0 VA	0.00%		0 VA				
Existing Load		0 VA	0.00%		0 VA				
Notes:									

Panelboard:		LBW	VOLTAGE: 120/208 Wye			COPPER BUS RATING: 100 A			MANS TYPE: MCB		
LOCATION: STORAGE / MECHANICAL...			PHASE: 3			GROUND BUS:			MCB RATING: 100A		
MOUNTING: SURFACE			WIRES: 4			MINIMUM A.I.C. RATING:			FED FROM: TBW		
ENCLOSURE: Type 1			MFR. AND TYPE: SQUARE D NO			SUBFEED LUGS:			NEUTRAL RATING:		
Circuit Number	Load Name	BRKR	A	B	C	BRKR	Load Name	Circuit Number			
1	PLUMBING SENSORS	20A/1P	0	178			20A/1P	HVAC EXHAUST FANS & LOUVER	2		
3	"EWG"	20A/1P		180	500		20A/1P	HAND DRYER	4		
5	CONVENIENCE RECEIPTS	20A/1P			1080	200	20A/1P	EF-3	6		
7	HAND DRYER	20A/1P	500	500			20A/1P	HAND DRYER	8		
9	HAND DRYER	20A/1P		500	200		20A/1P	EF-2	10		
11	SPARE	20A/1P			0	0	20A/1P	SPARE	12		
13	EF-1	20A/1P	200	0			20A/1P	SPARE	14		
15	SPARE	20A/1P		0	0		20A/1P	SPARE	16		
17	SPARE	20A/1P			0	0	20A/1P	SPARE	18		
19	SPARE	20A/1P	0	0			20A/1P	SPARE	20		
21	SPARE	20A/1P		0	0		20A/1P	SPARE	22		
23	SPARE	20A/1P			0	0	20A/1P	SPARE	24		
25	SPACE W/ BUS		0	0				SPACE W/ BUS	26		
27	SPACE W/ BUS			0	0			SPACE W/ BUS	28		
29	SPACE W/ BUS				0	0		SPACE W/ BUS	30		
31	SPACE W/ BUS		0	0				SPACE W/ BUS	32		
33	SPACE W/ BUS			0	0			SPACE W/ BUS	34		
35	SPACE W/ BUS				0	0		SPACE W/ BUS	36		
37	SPACE W/ BUS		0	0				SPACE W/ BUS	38		
39	SPACE W/ BUS			0	0			SPACE W/ BUS	40		
41	SPACE W/ BUS				0	0		SPACE W/ BUS	42		
Total Load:			1378 VA			1380 VA			1280 VA		
Total Amps:			12 A			12 A			11 A		
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Lighting		0 VA		0.00%		0 VA		Total Connected Load:		4038 VA	
Receptacles		1260 VA		100.00%		1260 VA		Total Estimated Demand:		4038 VA	
HVAC		778 VA		100.00%		778 VA		Total Connected Current:		11 A	
Power		2000 VA		100.00%		2000 VA		Total Est. Demand Current:		11 A	
Other		0 VA		0.00%		0 VA					
Motor		0 VA		0.00%		0 VA					
Heating		0 VA		0.00%		0 VA					
Existing Load		0 VA		0.00%		0 VA					
Notes:			* DENOTES GFI BREAKER *								