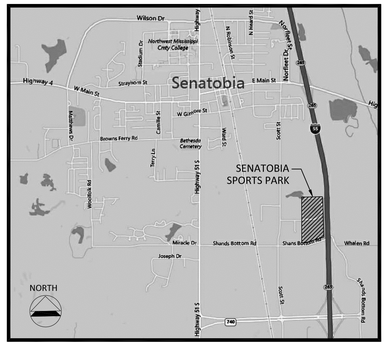
SCHEDULE OF DRAWINGS:

CONSTRUCTION DRAWINGS

SENATOBIA SPORTS PARK MAINTENANCE BLDG.

SCOTT STREET
SENATOBIA, MISSISSIPPI
APRIL 2016

City of Senatobia:
Alan Callicott - Mayor
Don Clanton - Alderman at Large
Lana Nail - Alderman Ward 1
Penny Hawks Frazier - Alderman Ward 2
Michael Cathey - Alderman Ward 3
Mike Putt - Alderman Ward 4
Karen VanSickle - City Clerk

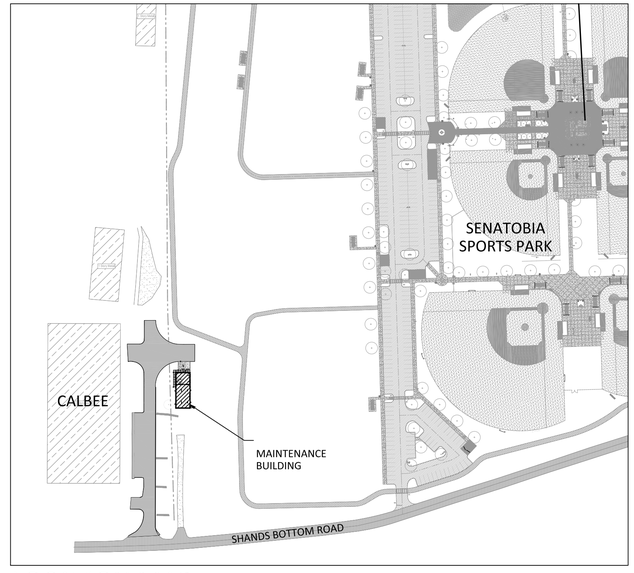


AREA MAP

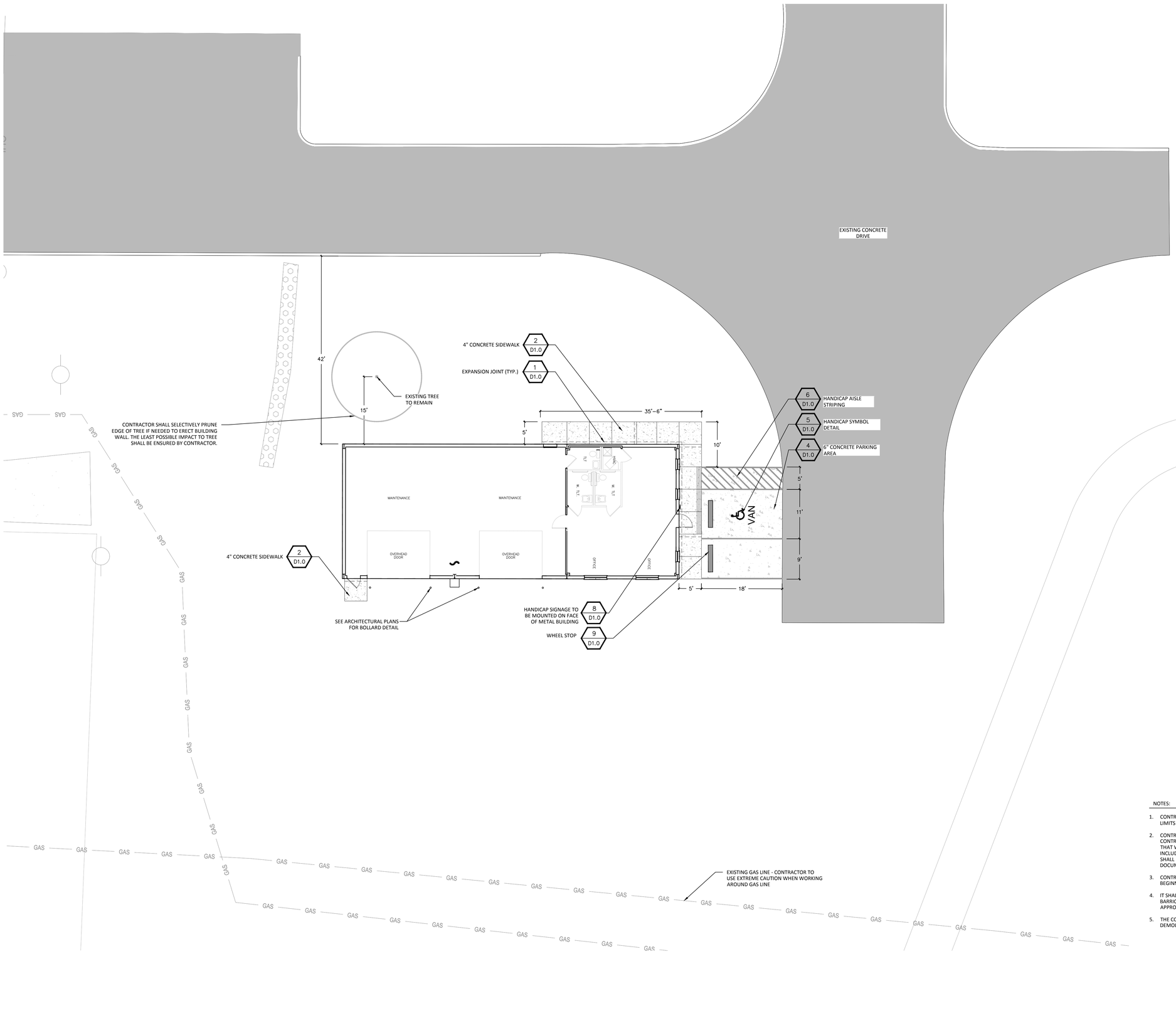
CONSULTANTS:

LANDSCAPE ARCH ./ PROJECT LEAD:
Dalhoff Thomas design|studio
6465 N. Quail Hollow, Suite 401
Memphis, TN 38120
(p) 901.646.5075
Contact: Henry Minor

ARCHITECTURE:
Jimmy Hudspeth/Architect
220 North 6th Street, #B
West Memphis, AR 72301
(p) 870.735.2249
Contact: John Emberton



LOCATION MAP



NOTES:

1. CONTRACTOR SHALL KEEP ALL EXISTING PARKING, SIDEWALKS, DRIVES, ETC. OUTSIDE THE PROJECT LIMITS CLEAR AND FREE FROM ANY CONSTRUCTION ACTIVITY AND/OR MATERIAL.
2. CONTRACTOR SHALL PROTECT ALL SITE IMPROVEMENTS THAT ARE NOT TO BE REMOVED OR REPLACED. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO ANY EXISTING ITEMS THAT WILL REMAIN IN PLACE AFTER CONSTRUCTION AND DEMOLITION ARE COMPLETE. THOSE ITEMS INCLUDE BUT ARE NOT LIMITED TO, DRAINAGE SYSTEMS, UTILITIES, CURBING, LANDSCAPING. REPAIRS SHALL BE EQUAL TO OR BETTER THAN, EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING ANY EXISTING DAMAGE
3. CONTRACTOR SHALL CONTACT 811 FOR LOCATION OF ALL UTILITIES, AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE PUBLIC AT ALL TIMES. FENCING, BARRICADES, ENCLOSURES, BARRELS, ETC. SHALL BE USED IN THE BEST POSSIBLE MANNER AND AS APPROVED BY THE PROJECT MANAGER.
5. THE CONTRACTOR SHALL DISPOSE OF ALL DEBRIS, RUBBISH, AND OTHER MATERIAL RESULTING FROM DEMOLITION ACTIVITIES IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

NORTH

GRAPHIC SCALE
0 5 10 20

APRIL 2017
SCALE: 1" = 10'

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DATE: APRIL 2017
PROJECT NO.: 16.263
DRAWN BY:
CHECKED BY:

REVISIONS

NO.	DATE

SITE PLAN
SENATOBIA SPORTS PARK MAINTENANCE BLDG
SCOTT STREET SENATOBIA, MISSISSIPPI

CONSULTANTS:

SEAL:

LLOYD DEAN THOMAS III REGISTERED LANDSCAPE ARCHITECT TENNESSEE NO. 1101 4-26-17

DRAWING NUMBER

C1.0

Drawing Path:
M:\16.263 - Senatobia Maintenance Building\ACAD\
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Plotted: Apr 26, 2017 - 4:28pm
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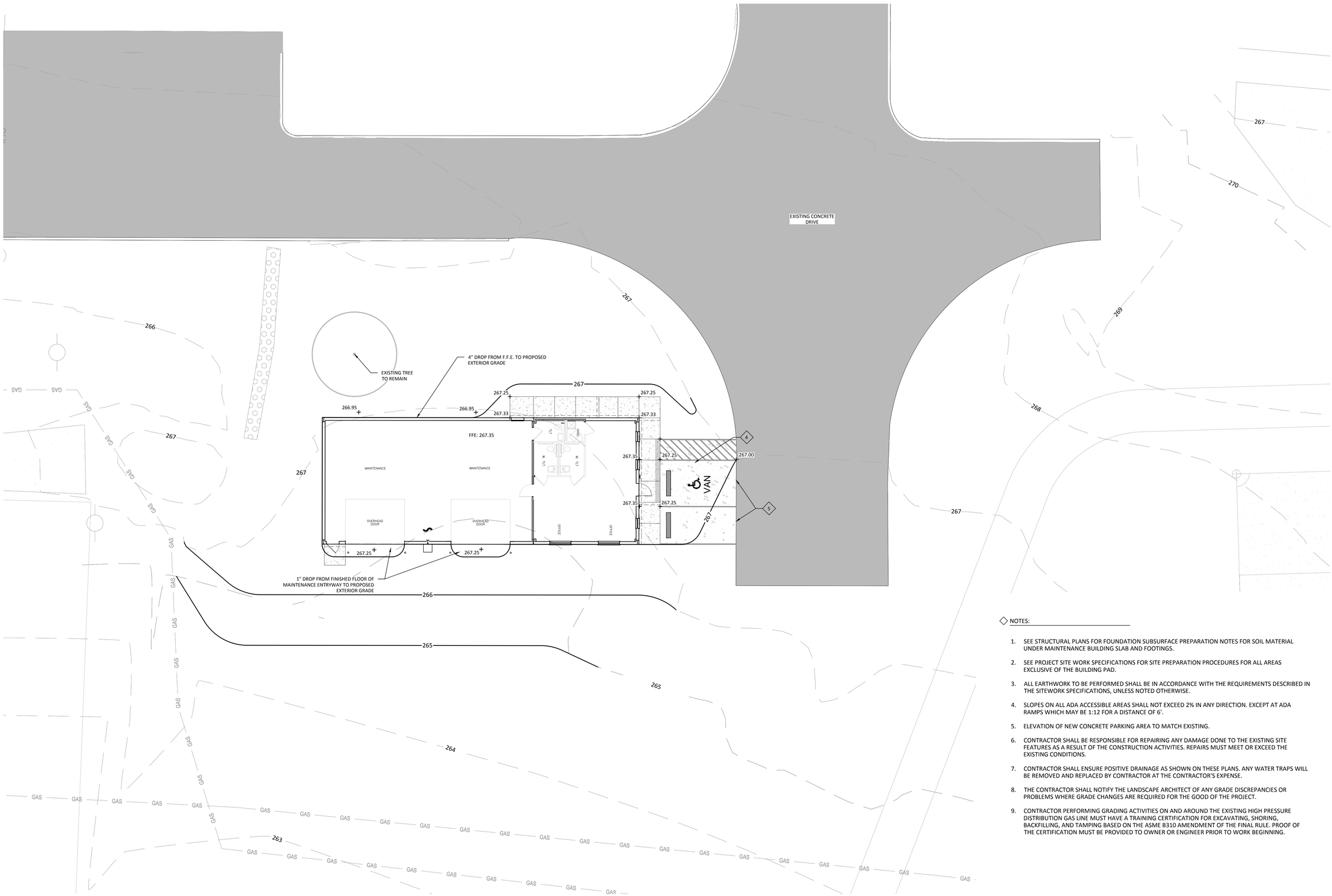

◇ NOTES:

1. SEE STRUCTURAL PLANS FOR FOUNDATION SUBSURFACE PREPARATION NOTES FOR SOIL MATERIAL UNDER MAINTENANCE BUILDING SLAB AND FOOTINGS.
2. SEE PROJECT SITE WORK SPECIFICATIONS FOR SITE PREPARATION PROCEDURES FOR ALL AREAS EXCLUSIVE OF THE BUILDING PAD.
3. ALL EARTHWORK TO BE PERFORMED SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS DESCRIBED IN THE SITEWORK SPECIFICATIONS, UNLESS NOTED OTHERWISE.
4. SLOPES ON ALL ADA ACCESSIBLE AREAS SHALL NOT EXCEED 2% IN ANY DIRECTION. EXCEPT AT ADA RAMPS WHICH MAY BE 1:12 FOR A DISTANCE OF 6'.
5. ELEVATION OF NEW CONCRETE PARKING AREA TO MATCH EXISTING.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO THE EXISTING SITE FEATURES AS A RESULT OF THE CONSTRUCTION ACTIVITIES. REPAIRS MUST MEET OR EXCEED THE EXISTING CONDITIONS.
7. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AS SHOWN ON THESE PLANS. ANY WATER TRAPS WILL BE REMOVED AND REPLACED BY CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY GRADE DISCREPANCIES OR PROBLEMS WHERE GRADE CHANGES ARE REQUIRED FOR THE GOOD OF THE PROJECT.
9. CONTRACTOR PERFORMING GRADING ACTIVITIES ON AND AROUND THE EXISTING HIGH PRESSURE DISTRIBUTION GAS LINE MUST HAVE A TRAINING CERTIFICATION FOR EXCAVATING, SHORING, BACKFILLING, AND TAMPING BASED ON THE ASME B31D AMENDMENT OF THE FINAL RULE. PROOF OF THE CERTIFICATION MUST BE PROVIDED TO OWNER OR ENGINEER PRIOR TO WORK BEGINNING.

NORTH

GRAPHIC SCALE
0 5 10 20
APRIL 2017
SCALE: 1" = 10'

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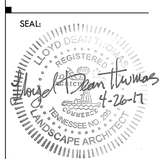
NO. | DATE |

GRADING PLAN
SENATOBIA SPORTS PARK MAINTENANCE BLDG
SCOTT STREET SENATOBIA, MISSISSIPPI

CONSULTANTS:

SEAL:



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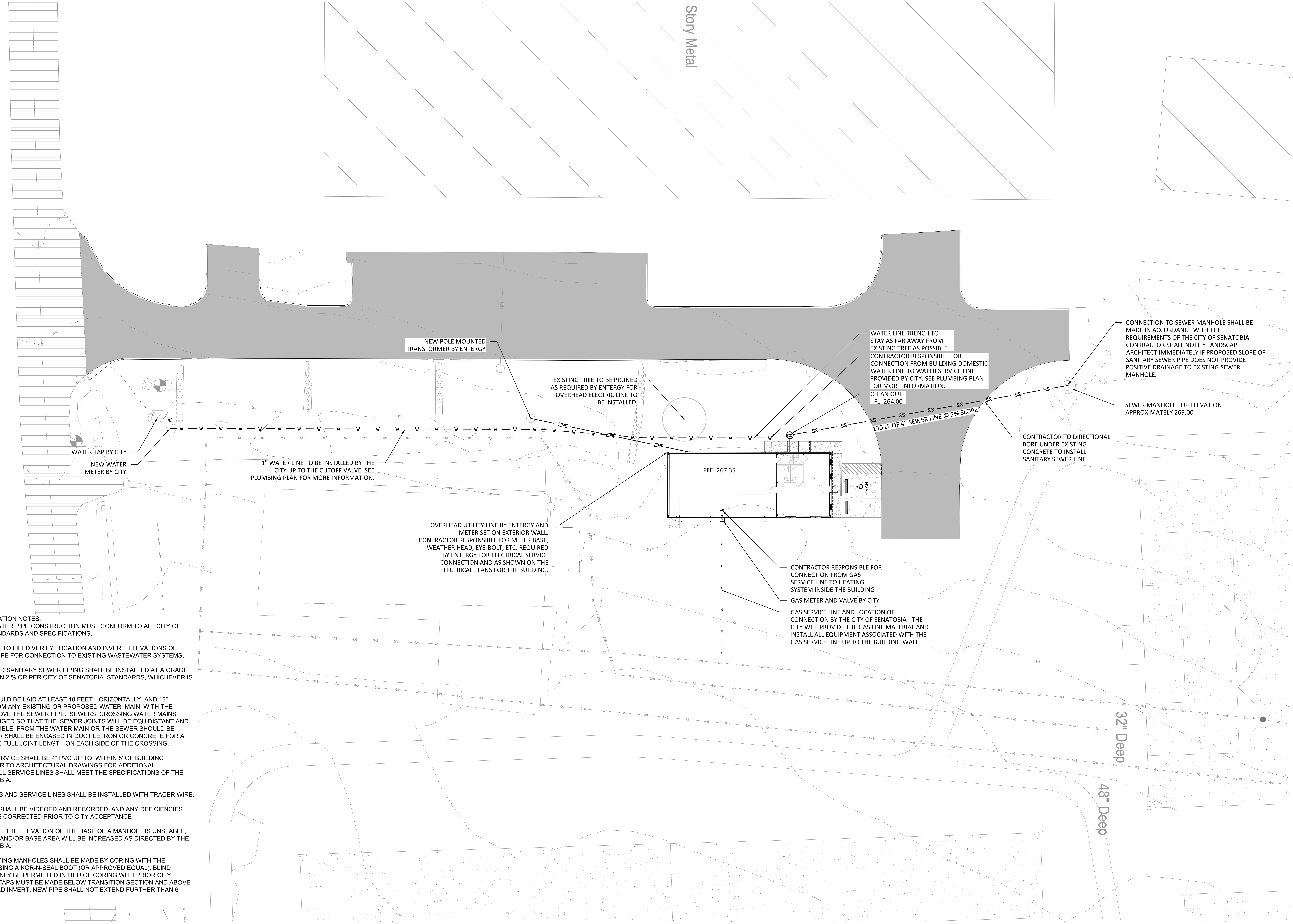

SEWER INSTALLATION NOTES:

1. ALL WASTEWATER PIPE CONSTRUCTION MUST CONFORM TO ALL CITY OF SENATOBIA STANDARDS AND SPECIFICATIONS.

2. CONTRACTOR TO FIELD VERIFY LOCATION AND INVERT ELEVATIONS OF WASTEWATER PIPE FOR CONNECTION TO EXISTING WASTEWATER SYSTEMS.

3. ALL PROPOSED SANITARY SEWER PIPING SHALL BE INSTALLED AT A GRADE OF NO LESS THAN 2 % OR PER CITY OF SENATOBIA STANDARDS, WHICHEVER IS GREATER.

4. SEWERS SHOULD BE LAID AT LEAST 10 FEET HORIZONTALLY AND 18" VERTICALLY FROM ANY EXISTING OR PROPOSED WATER MAIN, WITH THE WATER MAIN ABOVE THE SEWER PIPE. SEWERS CROSSING WATER MAINS SHALL BE ARRANGED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN OR THE SEWER SHOULD BE DUCTILE IRON OR SHALL BE ENCASED IN DUCTILE IRON OR CONCRETE FOR A MINIMUM OF ONE FULL JOINT LENGTH ON EACH SIDE OF THE CROSSING.

5. ALL SEWER SERVICE SHALL BE 4" PVC UP TO WITHIN 5' OF BUILDING LOCATION, REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION, ALL SERVICE LINES SHALL MEET THE SPECIFICATIONS OF THE CITY OF SENATOBIA.

6. ALL MAIN LINES AND SERVICE LINES SHALL BE INSTALLED WITH TRACER WIRE.

7. ALL UTILITIES SHALL BE VIDEOED AND RECORDED, AND ANY DEFICIENCIES FOUND SHALL BE CORRECTED PRIOR TO CITY ACCEPTANCE

8. WHERE SOIL AT THE ELEVATION OF THE BASE OF A MANHOLE IS UNSTABLE, THE THICKNESS AND/OR BASE AREA WILL BE INCREASED AS DIRECTED BY THE CITY OF SENATOBIA.

9. TAPS TO EXISTING MANHOLES SHALL BE MADE BY CORING WITH THE CONTRACTOR USING A KOR-N-SEAL BOOT (OR APPROVED EQUAL). BLIND DRILLING WILL ONLY BE PERMITTED IN LIEU OF CORING WITH PRIOR CITY APPROVAL. ALL TAPS MUST BE MADE BELOW TRANSITION SECTION AND ABOVE EXISTING POURED INVERT. NEW PIPE SHALL NOT EXTEND FURTHER THAN 6" INTO SMH.

NORTH

GRAPHIC SCALE
0 10 20 40
APRIL 2017
SCALE: 1" = 10'

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UTILITY PLAN
SENATOBIA SPORTS PARK MAINTENANCE BLDG
SCOTT STREET SENATOBIA, MISSISSIPPI

CONSULTANTS:

SEAL:

LLOYD DEAN THOMAS
REGISTERED
AGRICULTURE
COMMERCE
TENNESSEE NO. 295
LANDSCAPE ARCHITECT
Lloyd Dean Thomas
4-26-17

DRAWING NUMBER

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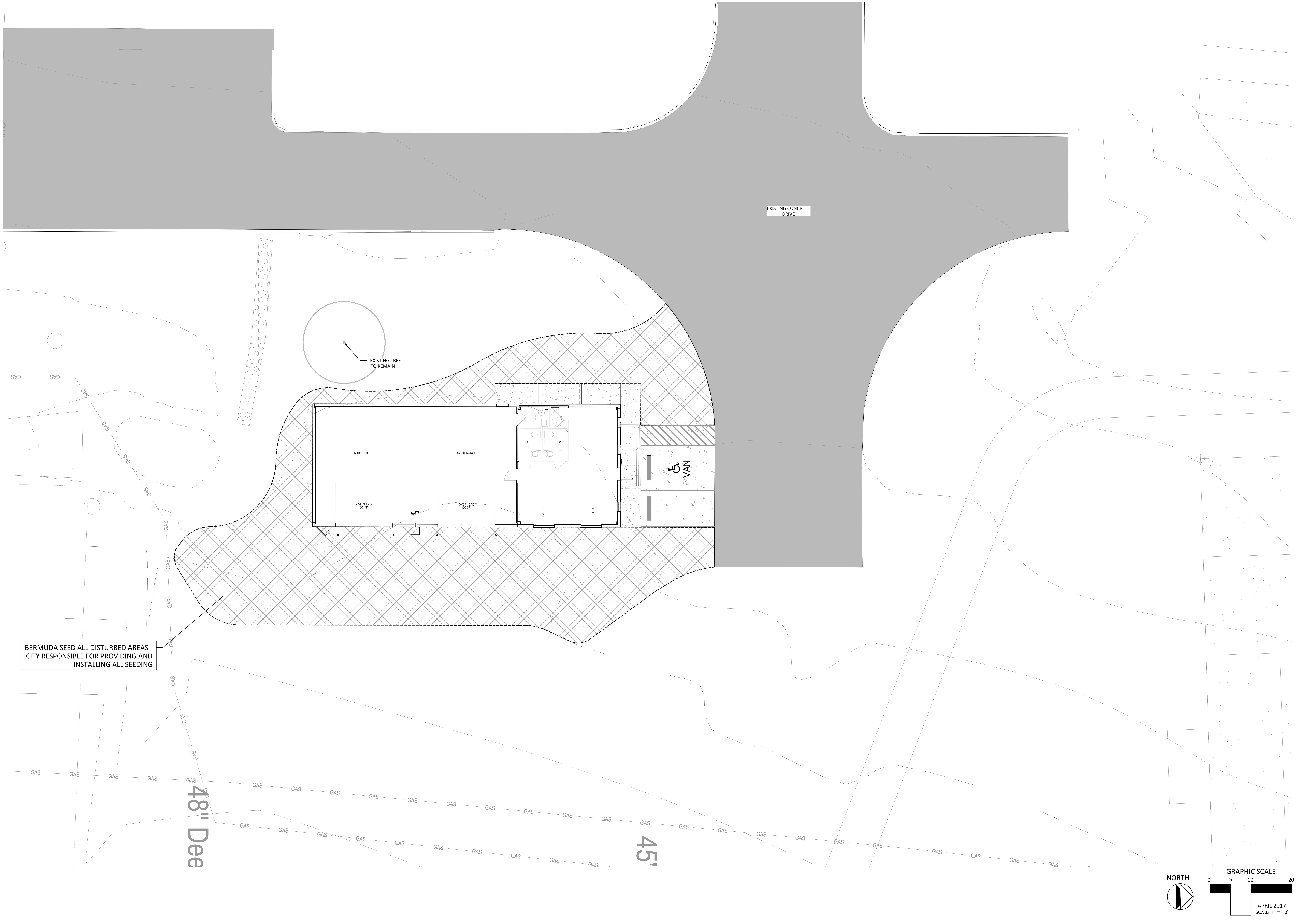

LANDSCAPE PLAN

SENATOBIA SPORTS PARK MAINTENANCE BLDG

SCOTT STREET
SENATOBIA, MISSISSIPPI

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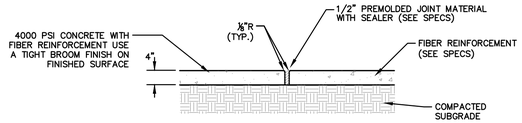
CONSULTANTS:

SEAL:

LLOYD DEAN THOMAS
REGISTERED
AGRICULTURE
COMMERCE
TENNESSEE NO. 296
LANDSCAPE ARCHITECT
4-26-17

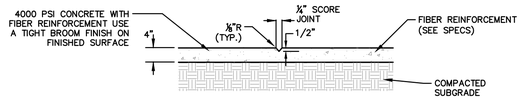
DRAWING NUMBER

LS1.0



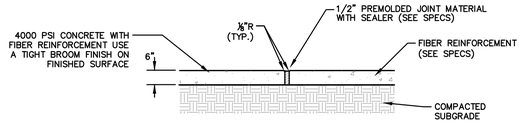
1 4" CONCRETE EXPANSION JOINT

SCALE: NONE



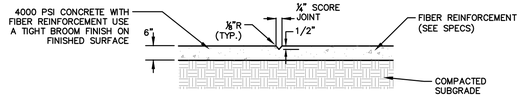
2 4" CONCRETE SCORE JOINT

SCALE: NONE



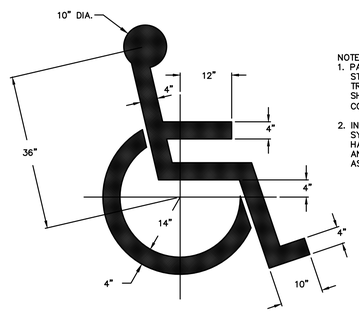
3 6" CONCRETE EXPANSION JOINT

SCALE: NONE



4 6" CONCRETE SCORE JOINT

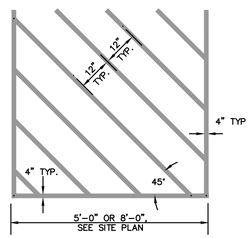
SCALE: NONE



NOTE:
1. PAINT USED IN STRIPING SHALL BE STANDARD NON-REFLECTORIZED TRAFFIC PAINT. TRAFFIC PAINT SHALL BE INTERNATIONAL BLUE IN COLOR. (2 COATS REQ'D)
2. INTERNATIONAL ACCESSIBILITY SYMBOL – PAINT ONE PER HANDICAPPED SPACE PER PLANS AND SPECIFICATIONS. PROPORTIONED AS SHOWN.

5 HANDICAP SYMBOL DETAIL

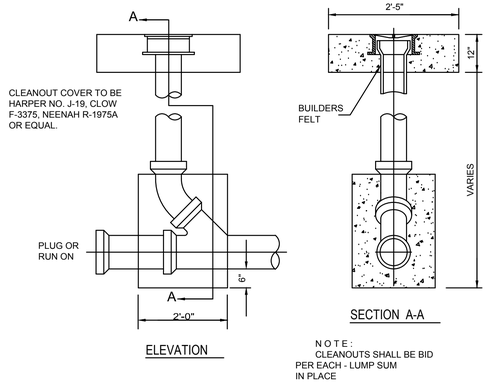
SCALE: NONE



NOTE:
1. PAINT USED IN STRIPING SHALL BE STANDARD NON-REFLECTORIZED TRAFFIC PAINT.
2. HANDICAP AISLE STRIPING SHALL BE INTERNATIONAL BLUE STRIPING.
3. (2) COATS REQUIRED.

6 HANDICAP AISLE STRIPING

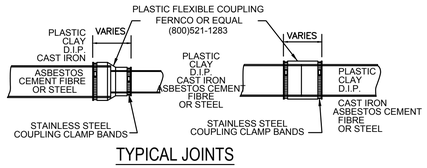
SCALE: NONE



NOTE:
CLEANOUTS SHALL BE BID PER EACH - LUMP SUM IN PLACE

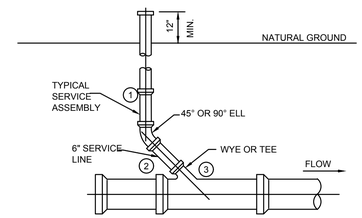
TYPICAL CLEANOUT

NTS



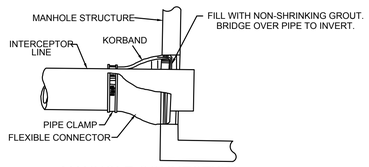
TYPICAL JOINTS

1. ALL CONDUCTORS, STEMS ELBOWS, CAPS, ETC. TO BE PAID FOR AS SERVICE ASSEMBLY.
2. 6"-PVC SEWER SERVICE LINE TO BE PAID FOR AS SERVICE.
3. WYES AND/OR TEES TO BE PAID FOR AS WYES.

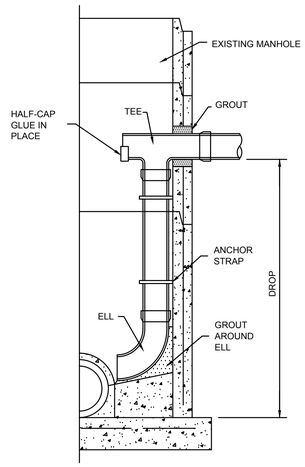


TYPICAL SANITARY SEWER SERVICE

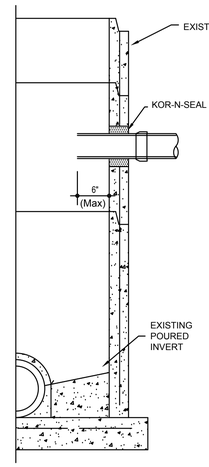
NTS



MANHOLE CONNECTION



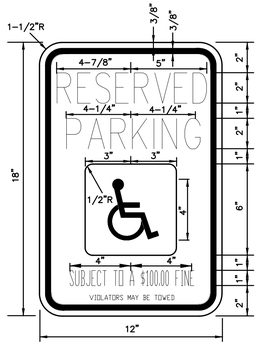
MANHOLE WITH INSIDE DROP

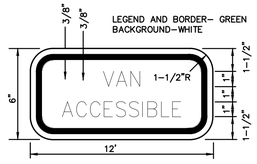


NEW SERVICE INTO EXISTING SMH

7 SEWER DETAILS

SCALE: NONE





NOTE:
WHEN A PARKING SIGN IS DESIGNATED "VAN ACCESSIBLE", THIS SIGN MUST BE MOUNTED IMMEDIATELY BELOW THE HANDICAP RESERVED PARKING SPACE.

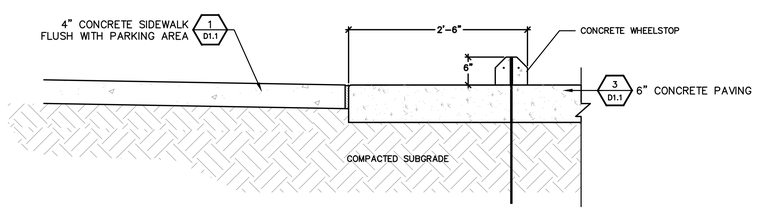
COLORS
1. LEGEND AND BORDER –GREEN
2. WHITE SYMBOL ON BLUE BACKGROUND–INTERNATIONAL SYMBOL BACKGROUND–WHITE
3. COLORS (BLUE, GREEN AND WHITE) ARE NATIONAL STANDARD AS APPROVED BY THE U.S. DEPARTMENT OF TRANSPORTATION AND THE FEDERAL HIGHWAY ADMINISTRATION.

NOTE:
THIS DEPICTION REPRESENTS THE REQUIRED SIGNAGE FOR A "VAN ACCESSIBLE" PARKING SPACE. THE SIGNS ARE MOUNTED IN THE SEQUENCE AND AT THE HEIGHT REQUIRED BY LAW

HANDICAP SIGN 1

8 HANDICAP SIGNAGE MOUNTED ON FACE OF BUILDING

SCALE: NONE



9 FLUSH SIDEWALK AND WHEEL STOP

SCALE 1:1

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DATE: APRIL 2017
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REVISIONS

NO.	DATE

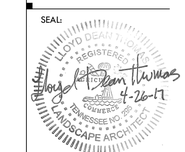
DETAILS

SENATOBIA SPORTS PARK MAINTENANCE BLDG

SCOTT STREET SENATOBIA, MISSISSIPPI

CONSULTANTS:

SEAL:



DRAWING NUMBER

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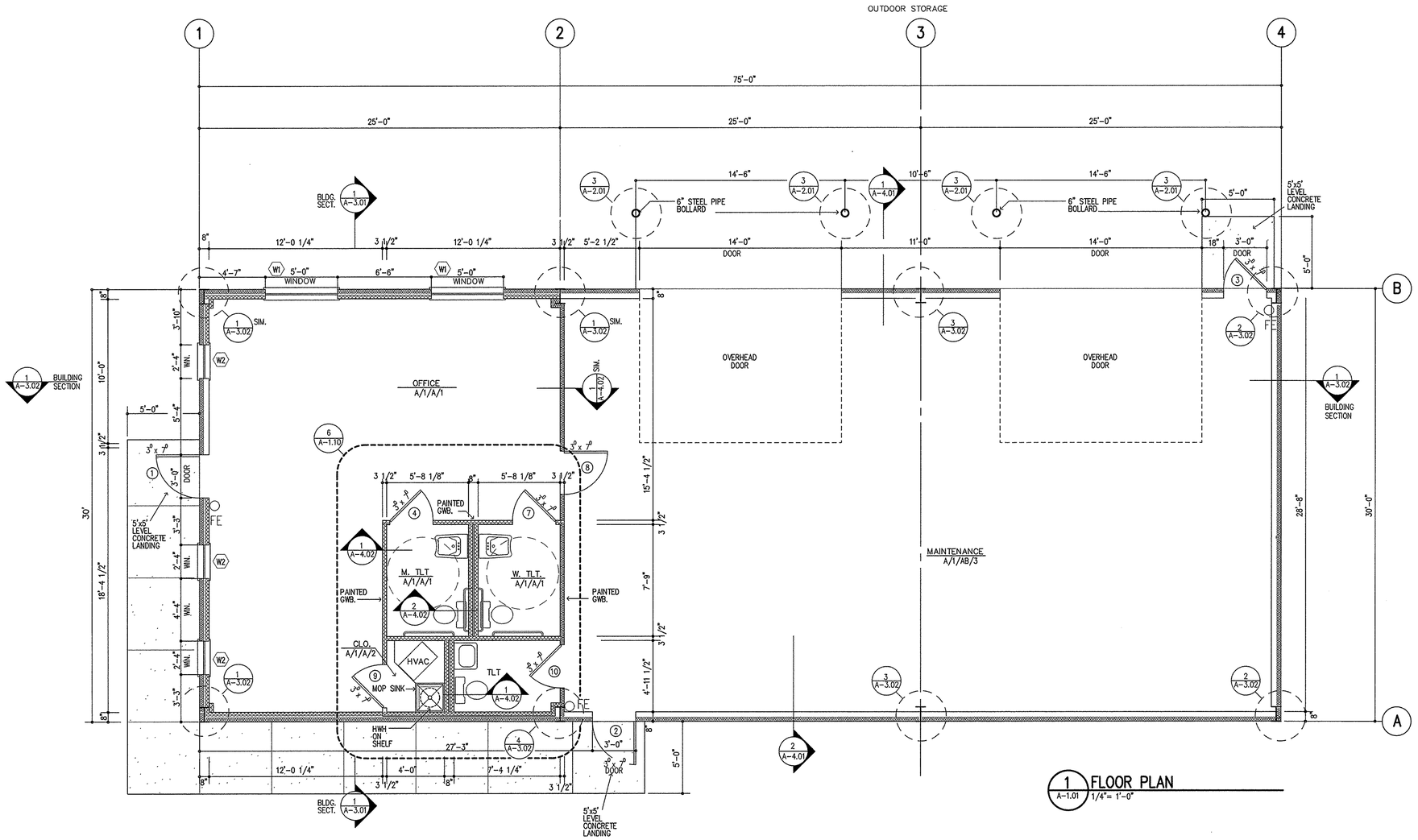

1 A-1.01 **FLOOR PLAN**
1/4"= 1'-0"

FINISH SCHEDULE

	A/1/A/1 FLOOR, BASE, WALL, CEILING	SEE ALSO INTERIOR ELEVATIONS.
FLOOR	A. SEALED CONCRETE	
BASE	1. NO BASE	
WALL	A. G.W.B., EGGSHELL FINISH PAINT	
	B. VINYL FACED WALL INSULATION	
CEILING	1. SUSPENDED GRID CEILING	
	2. PAINTED GYP. BD. (WHITE SEMI GLOSS)	
	3. PAINTED STEEL STRUCTURE, VINYL FACED ROOF INSULATION	

NOTES:

○ FE INDICATES WALL-MNT FIRE EXTINGUISHER

DOOR SCHEDULE

DOOR MARK	LOCATION	DOOR SIZE	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	HW SET	HEAD/ JAMB	REMARKS
1	OFFICE TO EXTERIOR	3'-0" x 7'-0" x 1 3/4"	GALV. HOLLOW METAL	PAINT	GALV. HOLLOW METAL	PAINT	1	H3/J3 A-3.02	
2	MAINTENANCE TO EXTERIOR	3'-0" x 7'-0" x 1 3/4"	GALV. HOLLOW METAL	PAINT	GALV. HOLLOW METAL	PAINT	1	H2/J2 A-3.02	
3	MAINTENANCE TO EXTERIOR	3'-0" x 7'-0" x 1 3/4"	GALV. HOLLOW METAL	PAINT	GALV. HOLLOW METAL	PAINT	1	H2/J2 A-3.02	
4	NOT USED								
5	NOT USED								
6	MEN'S TLT.	3'-0" x 7'-0" x 1 3/4"	SOLID CORE WOOD	STAIN/SEAL	GALV. HOLLOW METAL	PAINT	3	H1/J1 A-3.02	
7	WOMEN'S TLT.	3'-0" x 7'-0" x 1 3/4"	SOLID CORE WOOD	STAIN/SEAL	GALV. HOLLOW METAL	PAINT	3	H1/J1 A-3.02	
8	OFFICE TO MAINTENANCE	3'-0" x 7'-0" x 1 3/4"	GALV. HOLLOW METAL	PAINT	GALV. HOLLOW METAL	PAINT	4	H1/J1 A-3.02	
9	MOP CLOSET	3'-0" x 7'-0" x 1 3/4"	SOLID CORE WOOD	STAIN/SEAL	GALV. HOLLOW METAL	PAINT	4	H2/J2 A-3.02	
10	MAINTENANCE TO TOILET	3'-0" x 7'-0" x 1 3/4"	GALV. HOLLOW METAL	PAINT	GALV. HOLLOW METAL	PAINT	3	H1/J1 A-3.02	

DOOR HARDWARE SETS

ALL HARDWARE SHALL BE COMMERCIAL GRADE W/ BRUSHED STAINLESS FINISH.

SET #1 EXTERIOR DOORS CORR. TO MAINT. DOOR

1 1/2 PR BUTTS (4 1/2")
STAINLESS STEEL HINGES
W/ NON-REMOVABLE PINS.
90° HYDRAULIC CLOSER
LEVER HANDLED MORTISE LOCKSET
DEADBOLT
WEATHERSTRIPPING
KICK-DOWN DOOR HOLD OPEN
RAIN DEFLECTOR HOOD
HEAVY DUTY WIDE STRIKE GUARD
FLOOR STOP
ADA LOWBOY THRESHOLD

SET #2

NOT USED

SET #3 TOILET DOORS

1 1/2 PR BUTTS (4 1/2")
90° HYDRAULIC CLOSER
LEVER HANDLED PRIVACY SET
WALL STOP

SET #4 MECH CLOSET

1 1/2 PR BUTTS (4 1/2")
LEVER HANDLED LOCKSET
WALL STOP

HARDWARE NOTES

1. EXTERIOR DOOR HINGES SHALL BE STAINLESS STEEL W/ NON REMOVABLE PINS
2. INSTALL LOWBOY (MAX 1/2" HIGH) EXTERIOR DOORS.
3. ALL HARDWARE SHALL BE COMMERCIAL GRADE W/ BRUSHED STAINLESS FINISH. PROVIDE LEVER HANDLES AT ALL DOOR SETS.
4. ALL EXTERIOR DOORS SHALL BE INSULATED.

ACCEPTABLE MANUFACTURERS ARE:
BUTTS & HINGES: McKINNEY, STANLEY
LOCKS: SCHLAGE, SARGENT
DOOR STRIPPING AND SEALS: NATIONAL GUARD, PEMKO
THRESHOLDS: NATIONAL GUARD, PEMKO

WINDOW SCHEDULE

WINDOW MARK	WINDOW SIZE	FRAME MATERIAL	FRAME FINISH	GLAZING
W1	5'-0" x 4'-0"	GALV. HOL. MTL.	PAINTED	5/8" INSULATED GLASS
W2	2'-4" x 6'-0"	GALV. HOL. MTL.	PAINTED	5/8" INSULATED GLASS

OVERHEAD DOORS

OVERHEAD DOORS SHALL BE R7 INSULATED, MANUAL CHAIN OPERATED, WHITE PANELS

Architect's Seal:

REGISTERED ARCHITECT Jimmy Dean Hudspeth 7626 West Memphis, AR STATE OF MISSISSIPPI
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Project Title:

SENATOBIA SPORTS PARK
Maintenance Building
Scott Street, Senatobia, Mississippi

Final Issue Date: MARCH 9, 2017

Revisions:

Mark	Date	Description

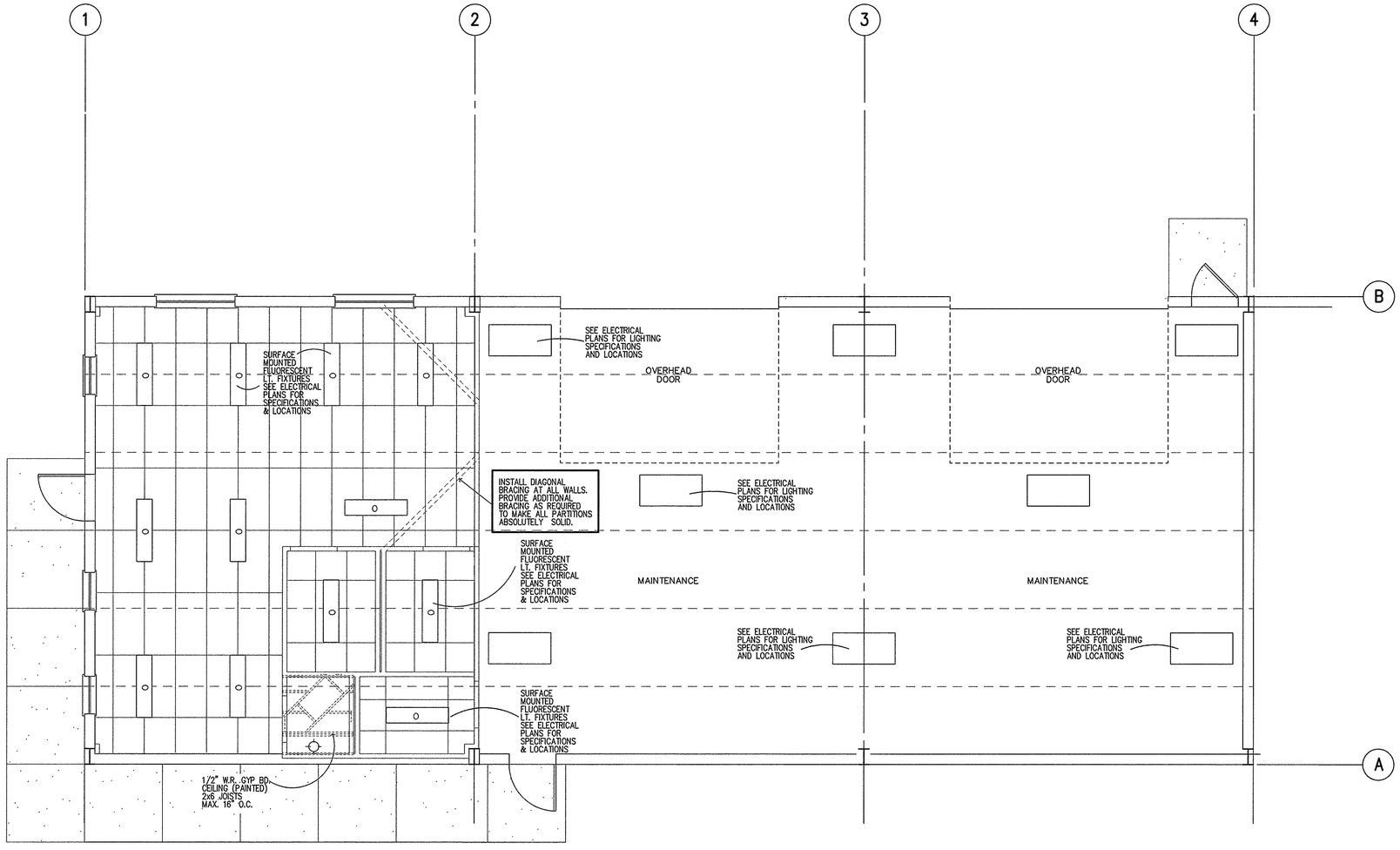
Project No.: 17-001

CAD Drawing: 17-001 A-1.01

Sheet Title: FLOOR PLAN

Sheet No.: **A-1.01**

03 09 17 JRE



1 / A-1.02 REFLECTED CEILING PLAN
1/4"= 1'-0"

03 09 17 JRE

Architect's Seal:

REGISTERED ARCHITECT
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1124
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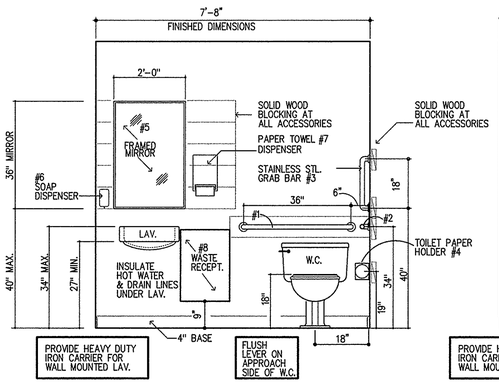
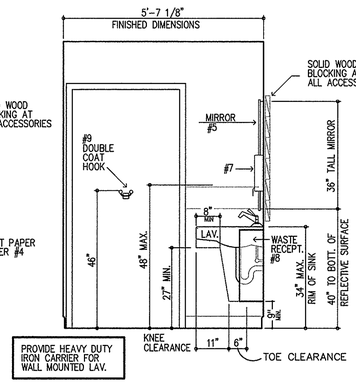
Sheet Title: REFLECTED CEILING PLAN

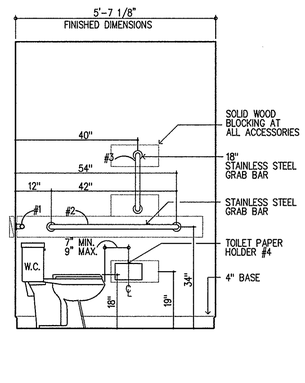
Sheet No.: **A-1.02**



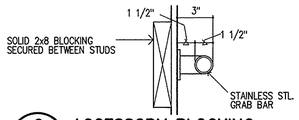
1 REAR WALL W.C. AND LAV.
A-1.10 SCALE: 1/2" = 1'-0"



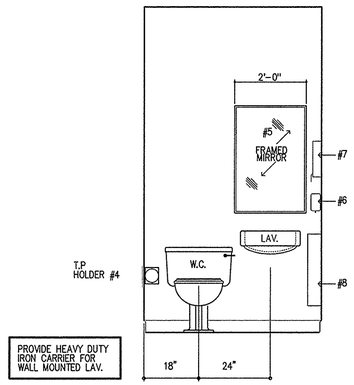
2 SIDE VIEW OF LAVATORY
A-1.10 SCALE: 1/2" = 1'-0"



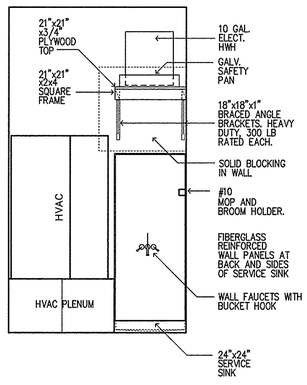
3 SIDE VIEW OF W.C.
A-1.10 SCALE: 1/2" = 1'-0"



6 ACCESSORY BLOCKING
A-1.10 SCALE: 1/2" = 1'-0"



9 REAR WALL W.C. AND LAV.
A-1.10 SCALE: 1/2" = 1'-0"

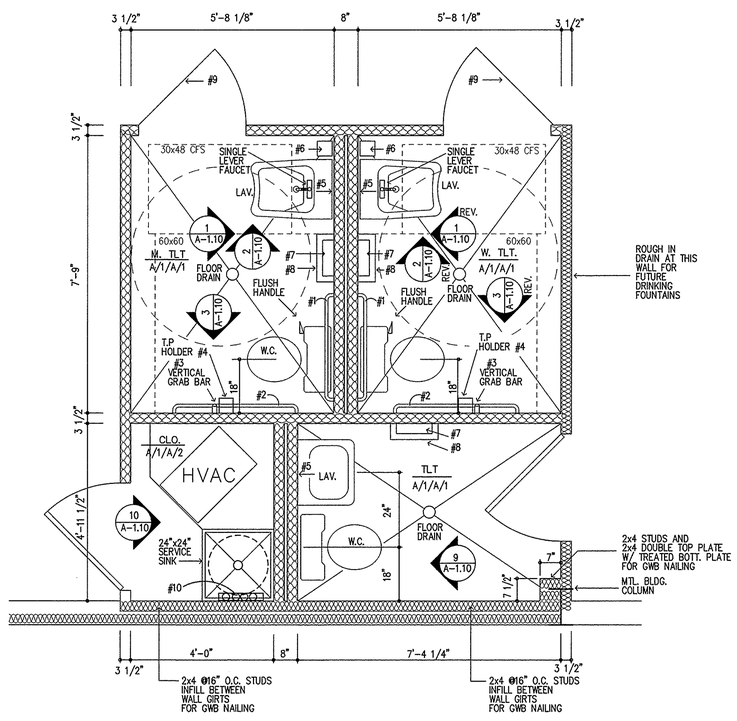


10 HVAC CLOSET
A-1.10 SCALE: 1/2" = 1'-0"

ACCESSORY SCHEDULE

1. 36" x 1 1/2" DIA. KNURLED FINISH STAINLESS-STEEL GRAB BAR. W/ CONCEALED MOUNTING MOUNT @ 34" A.F.F. TO C.L. OF BAR.
2. 42" x 1 1/2" DIA. KNURLED FINISH STAINLESS-STEEL GRAB BAR. W/ CONCEALED MOUNTING MOUNT @ 34" A.F.F. TO C.L. OF BAR.
3. 18" x 1 1/2" DIA. KNURLED FINISH STAINLESS-STEEL GRAB BAR. W/ CONCEALED MOUNTING VERTICAL BAR, MOUNT AS SHOWN ON DRAWINGS
4. SURFACE MOUNTED TOILET PAPER HOLDER, CHROME FINISH W/ CONCEALED FASTENERS & WHITE PLASTIC ROLLER MOUNT 24" A.F.F. TO C.L. AND 36" OUT FROM BACK WALL
5. 1/4" PLATE MIRROR, 2'-0"x3'-6" (BOTTOM @ 40" A.F.F.)
6. SURFACE MOUNTED LIQUID HAND SOAP DISPENSER
7. SURFACE MOUNTED PAPER TOWEL DISPENSER (STAINLESS STEEL)
8. SURFACE MOUNTED WASTE RECEPTACLE (STAINLESS STEEL)
9. DOUBLE COAT HOOK, MOUNTED @ 54" AFF (STAINLESS STEEL)
10. MOP AND BROOM HOLDER

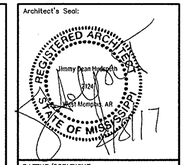
NOTE: ALL ACCESSORIES SHALL BE OF A MATCHING SERIES BY A SINGLE MANUFACTURER. ACCESSORIES SHALL BE BASCO, BRADLEY OR NUTONE **PROVIDE SOLID BLOCKING IN WALL FOR MOUNTING ACCESSORIES.**



6 ENLARGED FLOOR PLAN
A-1.10 1/2"= 1'-0"

03 09 17 -RE

Architect's Seal:



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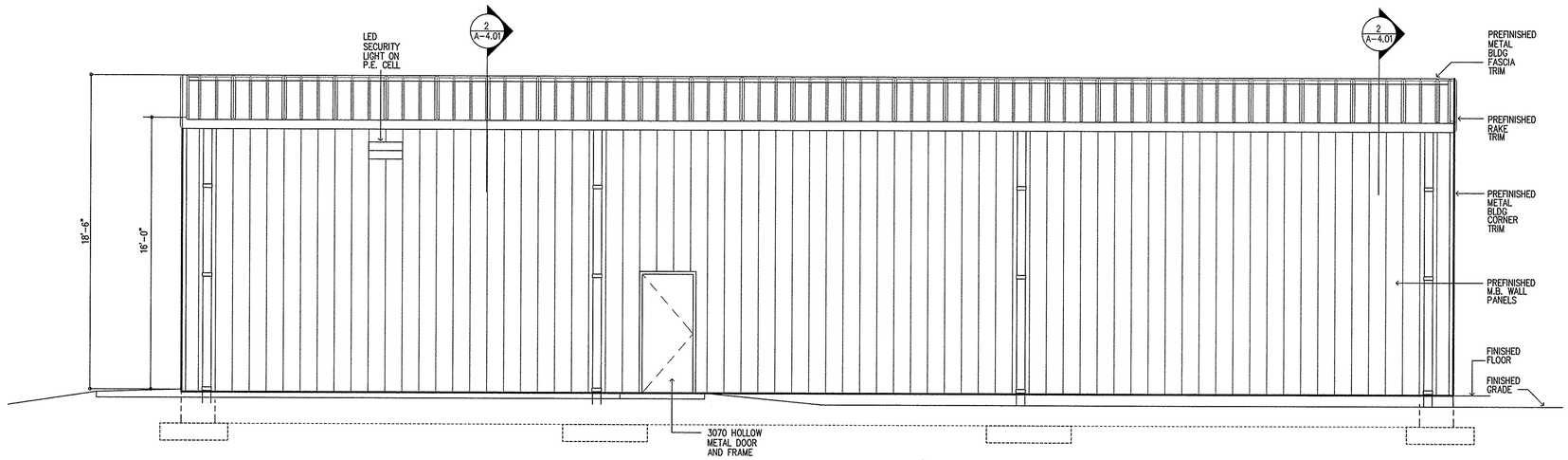
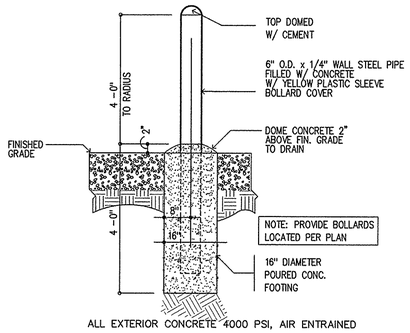
Sheet No.: **A-1.10**

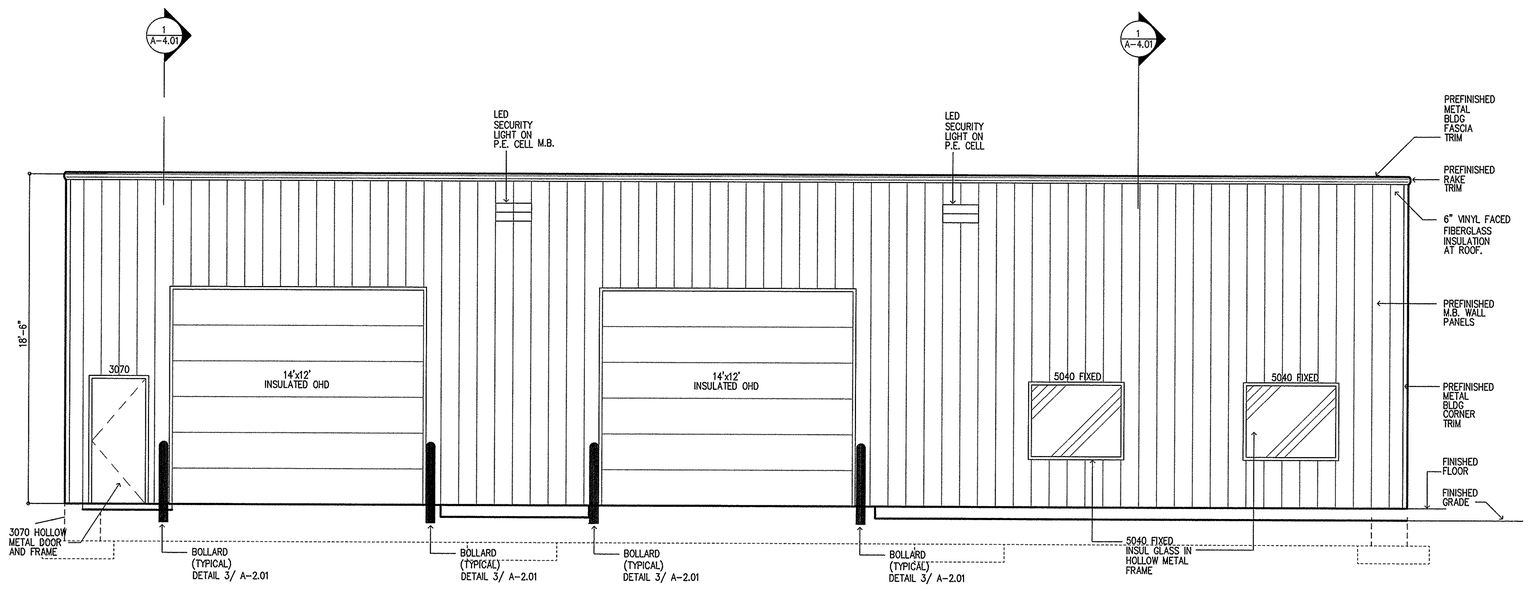


1 A-2.01 **FRONT ELEVATION** 1/4"= 1'-0"



ALL EXTERIOR CONCRETE 4000 PSI, AIR ENTRAINED

3 A-2.01 **BOLLARD SECTION** NOT TO SCALE



2 A-2.01 **REAR ELEVATION** 1/4"= 1'-0"

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Architect's Seal:

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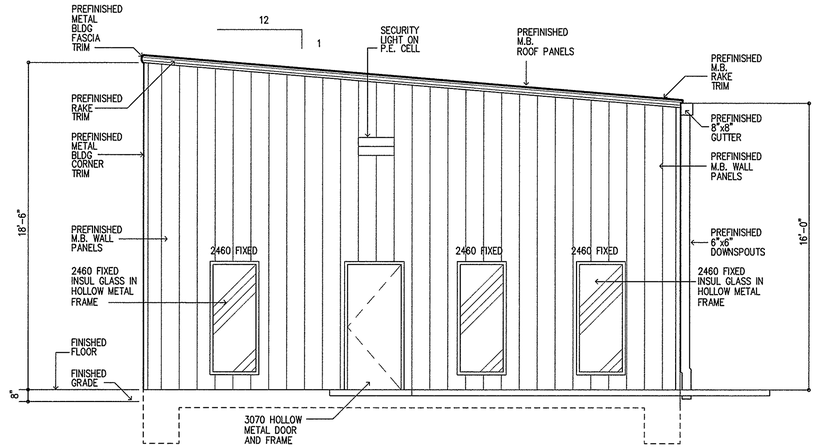
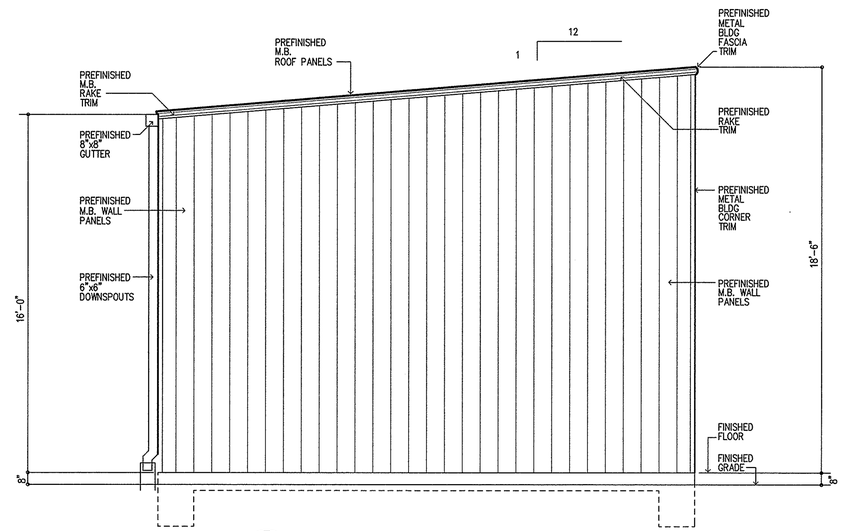
Sheet Title: FRONT AND REAR ELEVATIONS

Sheet No.: **A-2.01**



1 A-2.02 LEFT END ELEVATION
1/4"= 1'-0"



2 A-2.02 RIGHT END ELEVATION
1/4"= 1'-0"

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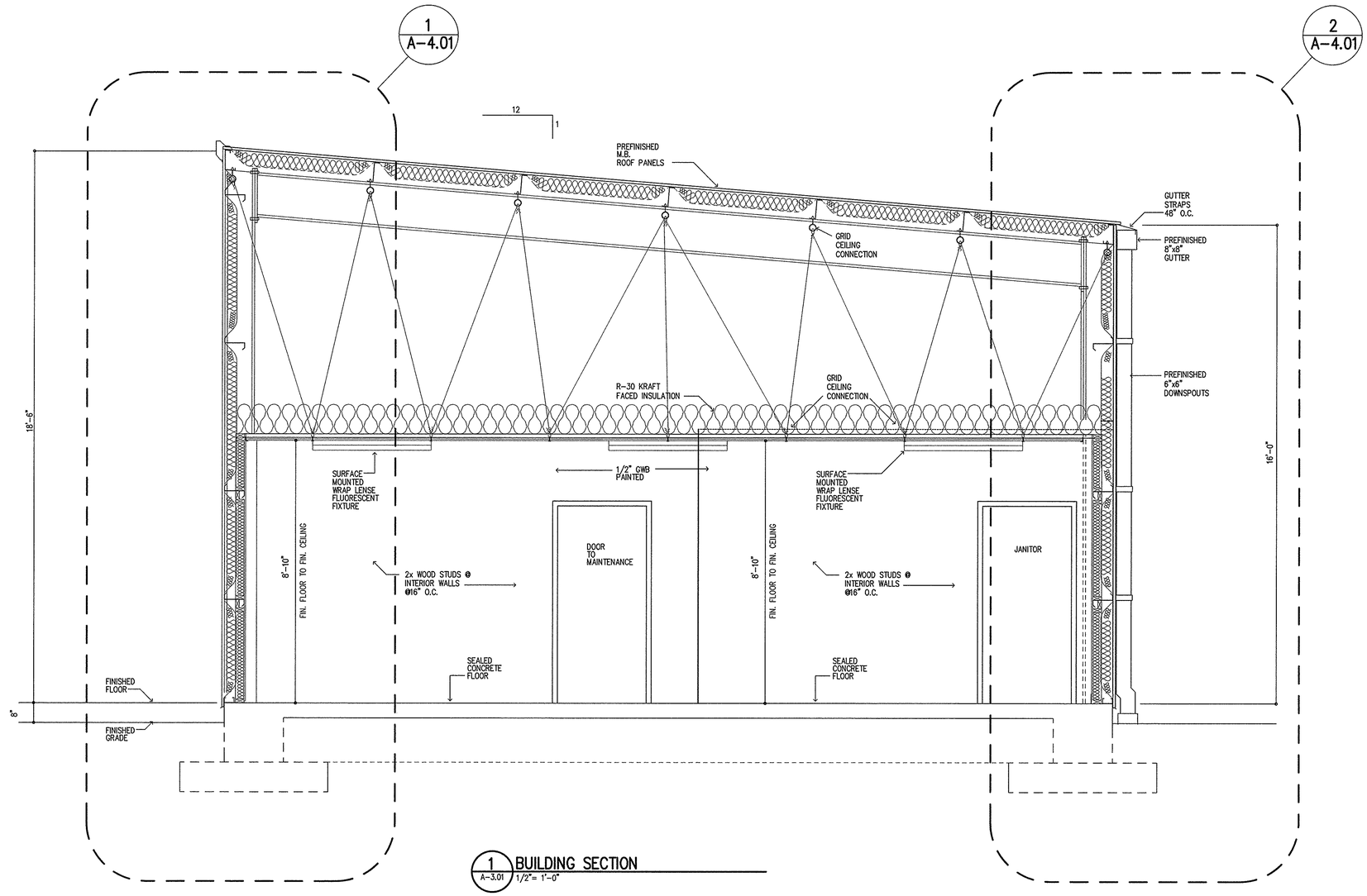
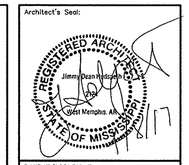
Sheet Title: END ELEVATIONS

Sheet No.: **A-2.02**



1 BUILDING SECTION
A-3.01 1/2"= 1'-0"

Architect's Seal:



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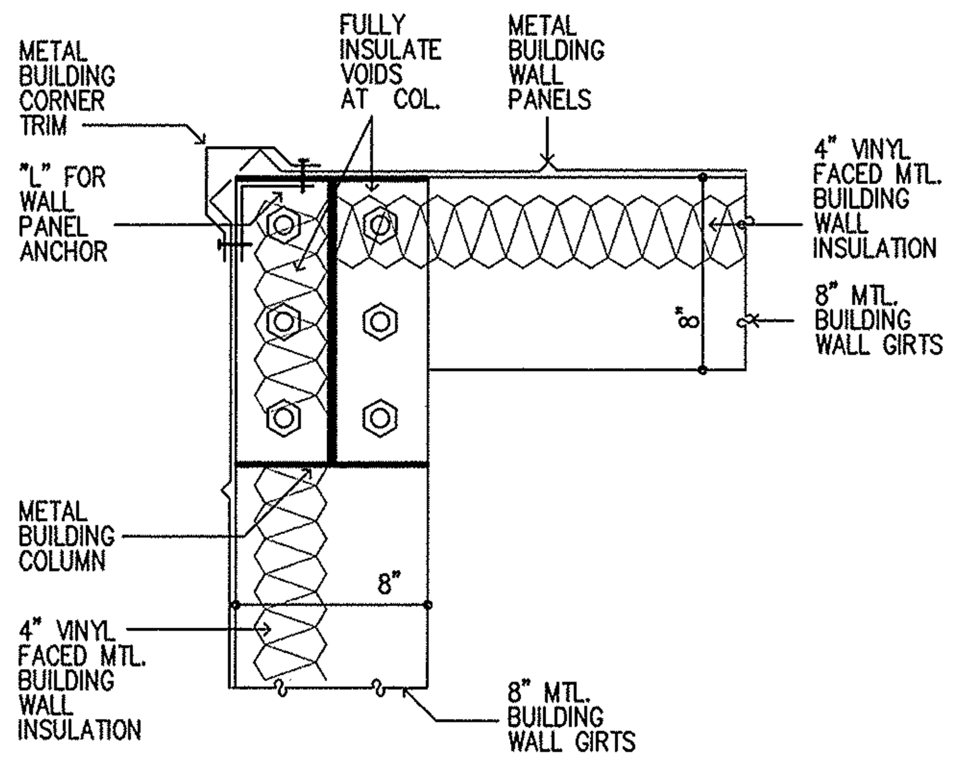
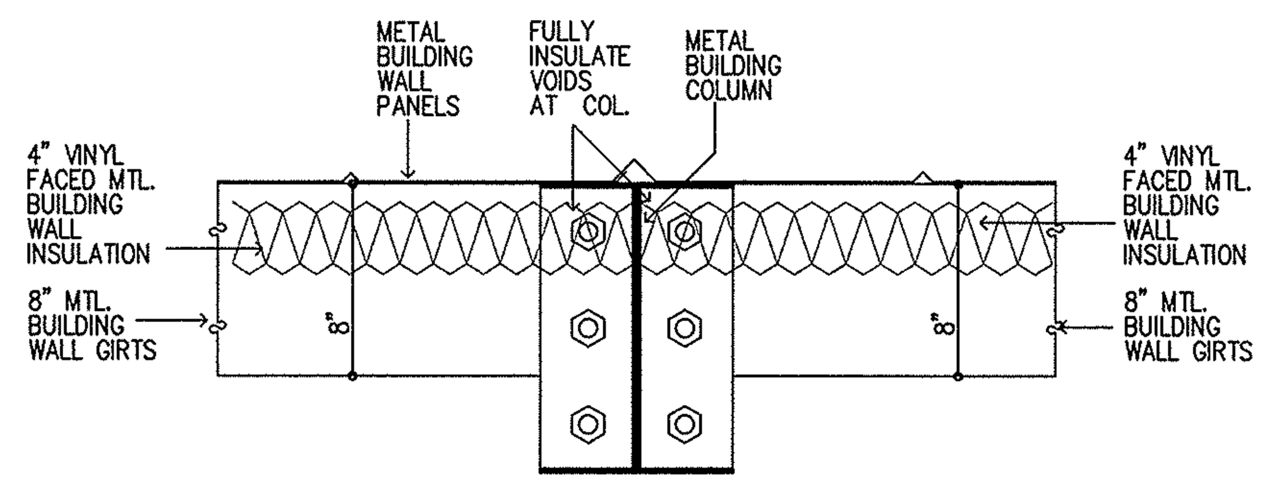
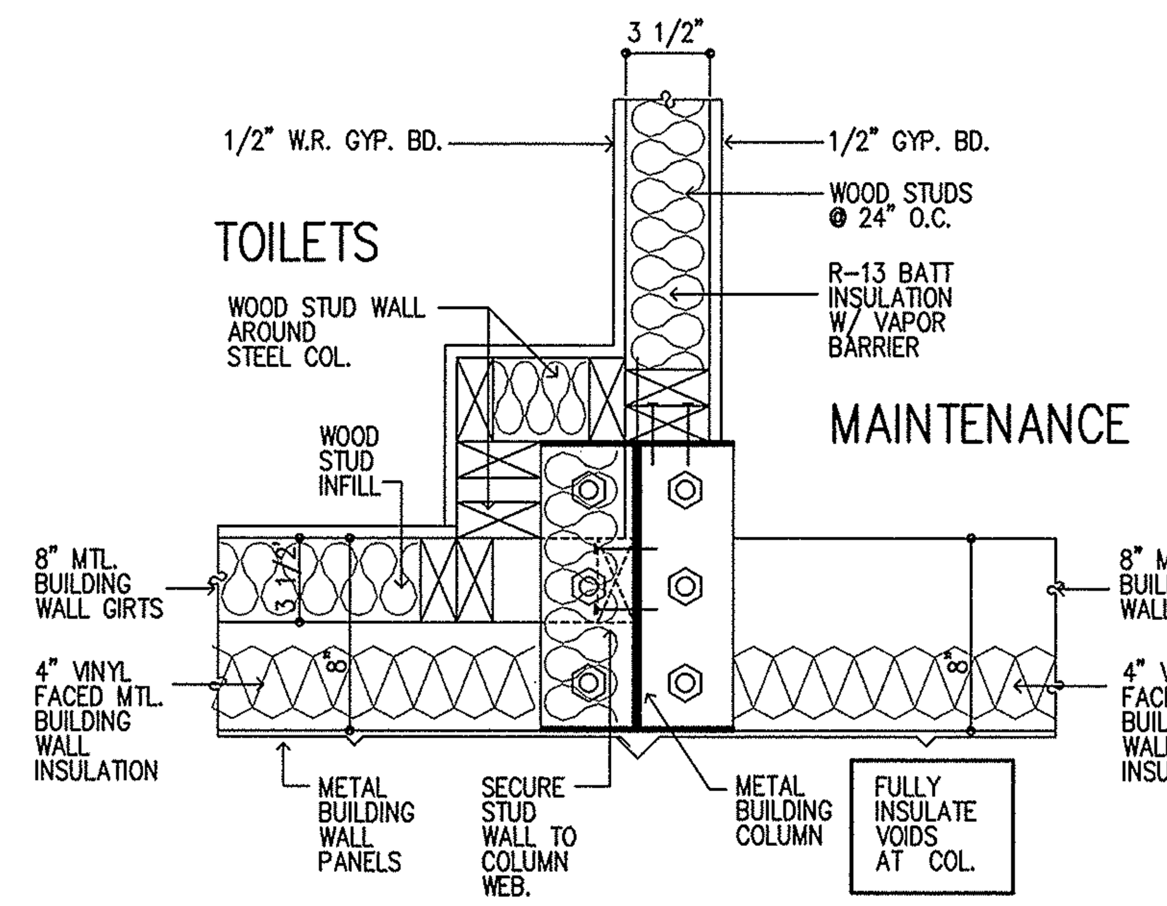
03.09.17 JRE



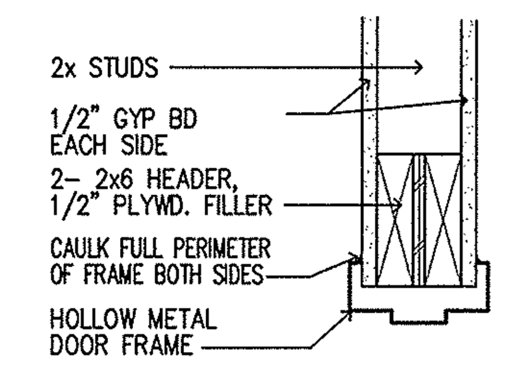
2 CORNER AT MAINTENANCE
A-3.02 1 1/2"= 1'-0"



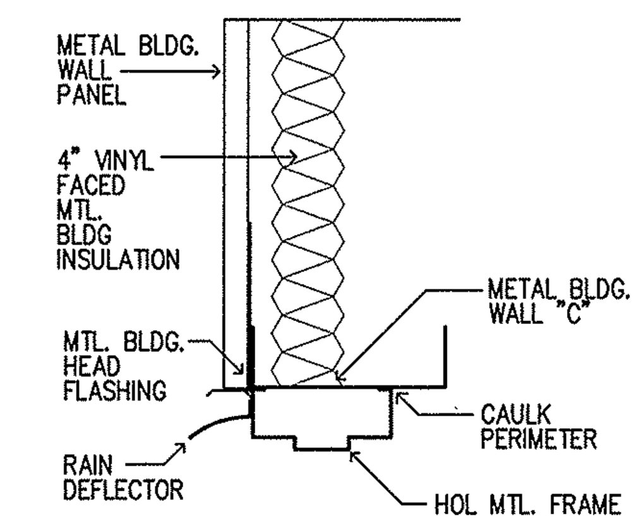
3 OUTSIDE WALL AT MAINTENANCE
A-3.02 1 1/2"= 1'-0"



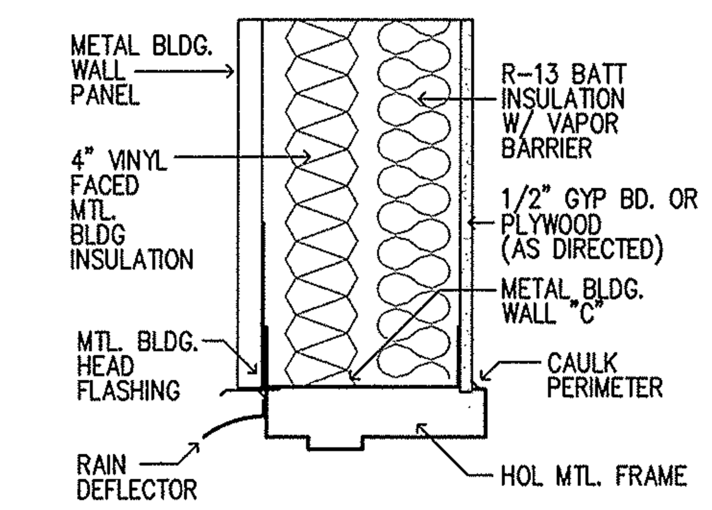
4 OUTSIDE WALL AT TOILET/MAINTENANCE
A-3.02 1 1/2"= 1'-0"



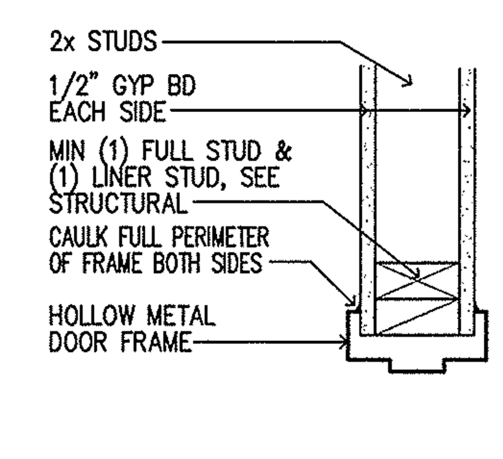
H1 DOOR HEAD
A-3.02 SCALE: 1 1/2" = 1'-0"



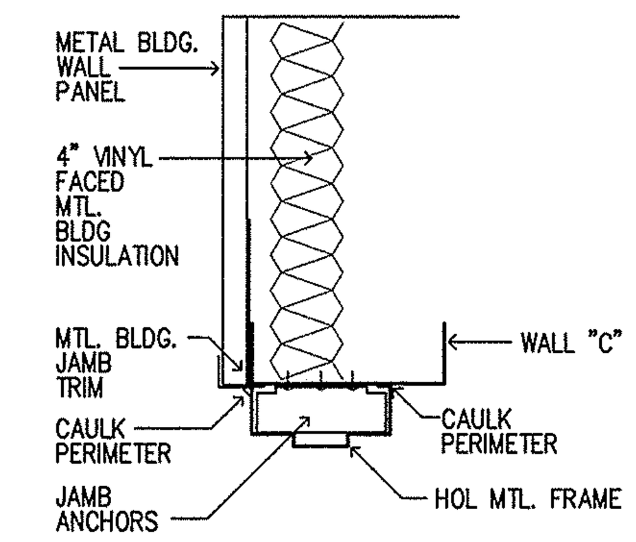
H2 DOOR HEAD
A-3.02 SCALE: 1 1/2" = 1'-0"



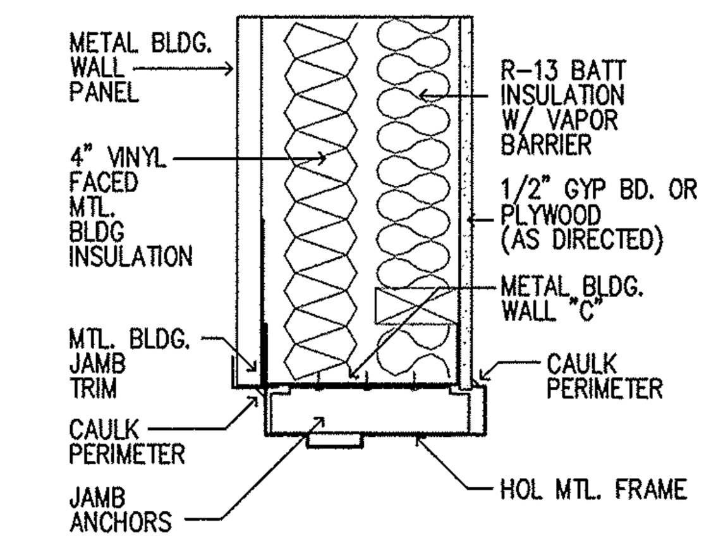
H3 DOOR HEAD
A-3.02 SCALE: 1 1/2" = 1'-0"



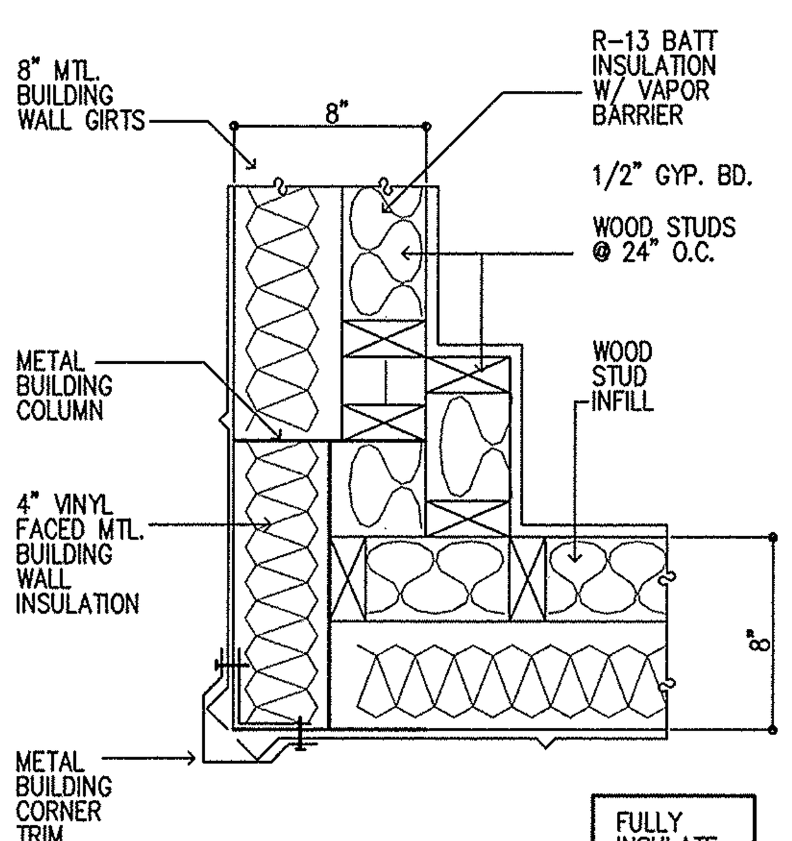
J1 DOOR JAMB
A-3.02 SCALE: 1 1/2" = 1'-0"



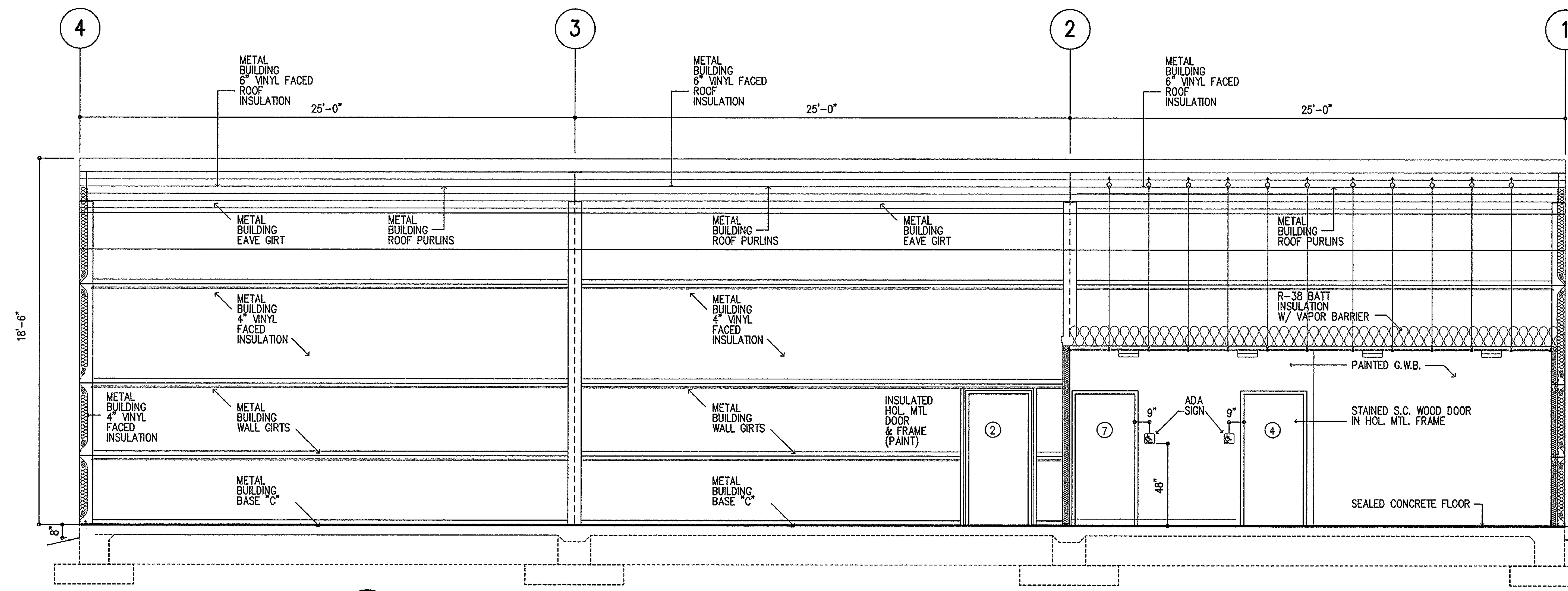
J2 DOOR JAMB
A-3.02 SCALE: 1 1/2" = 1'-0"



J3 DOOR JAMB
A-3.02 SCALE: 1 1/2" = 1'-0"



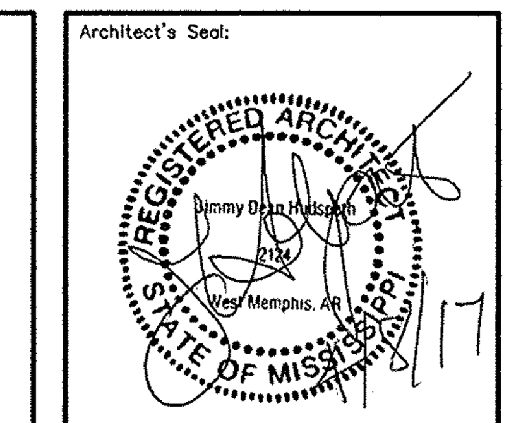
1 CORNER AT OFFICE
A-3.02 1 1/2"= 1'-0"



1 BUILDING SECTION
A-3.02 1/4"= 1'-0"

03 09 17 JRE

Architect's Seal:



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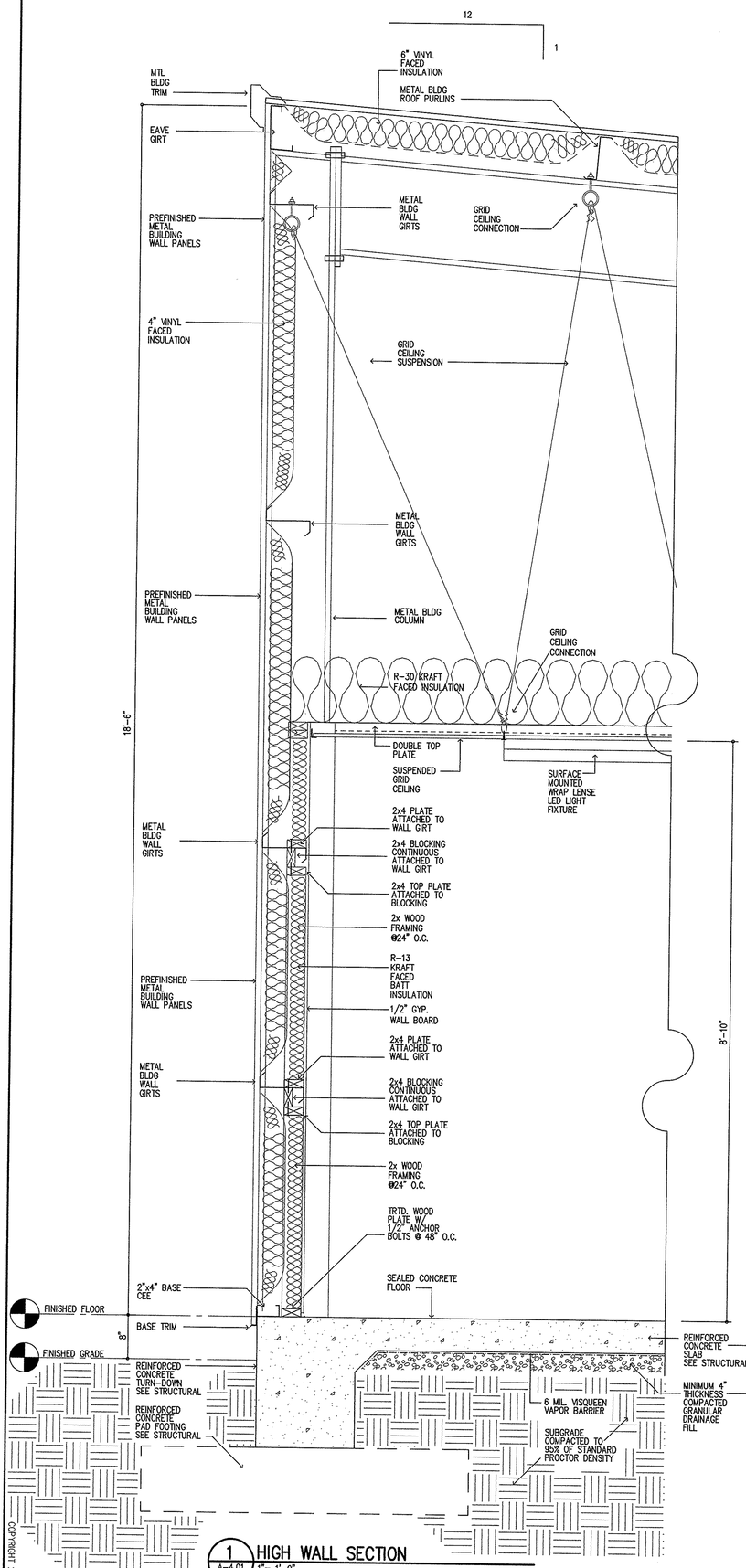
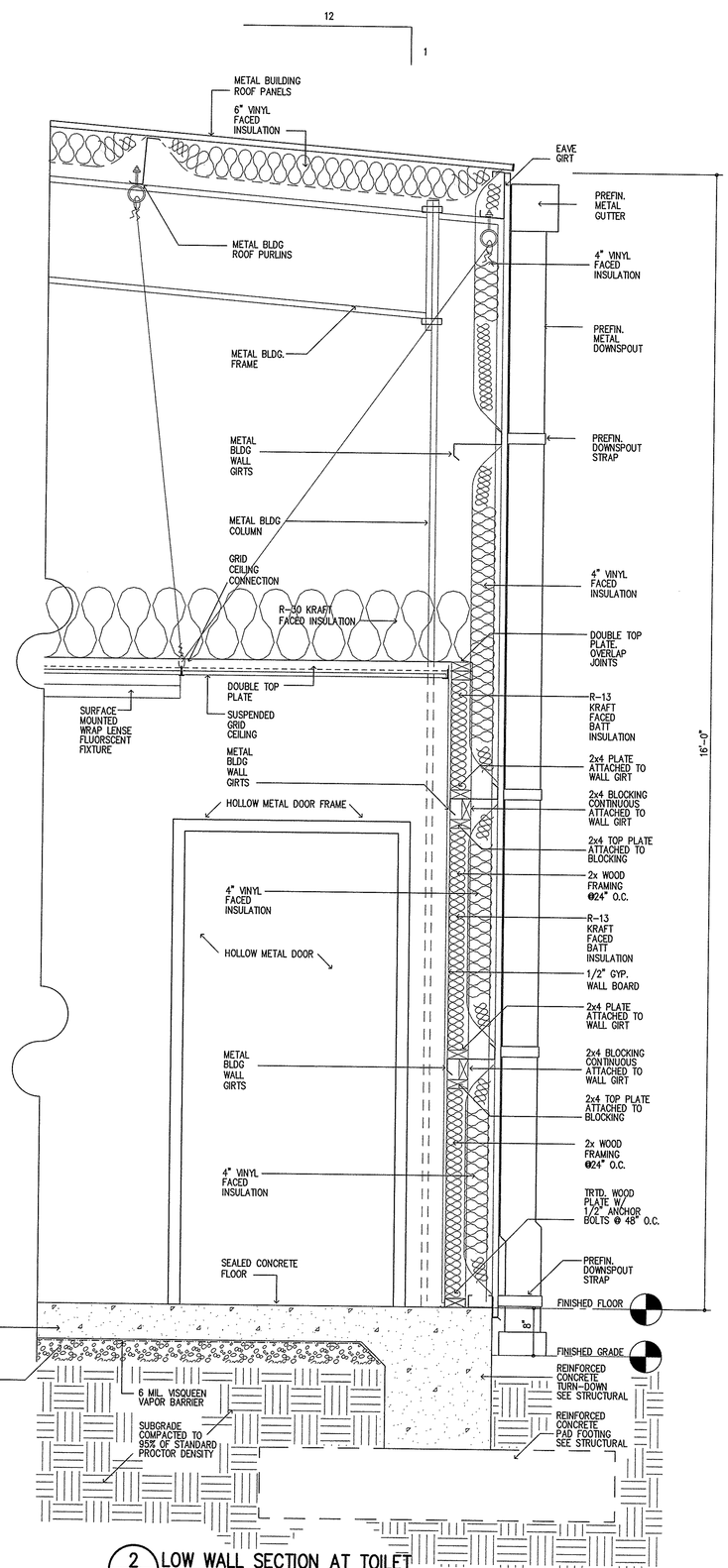


1 A-4.01 HIGH WALL SECTION 1" = 1'-0"



2 A-4.01 LOW WALL SECTION AT TOILET 1" = 1'-0"

03 09 2017 JRE

Sheet No:	A-4.01
Sheet Title:	WALL SECTIONS
CAD Drawing:	17-001 A-4.01
Project No.:	17-001
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Date	
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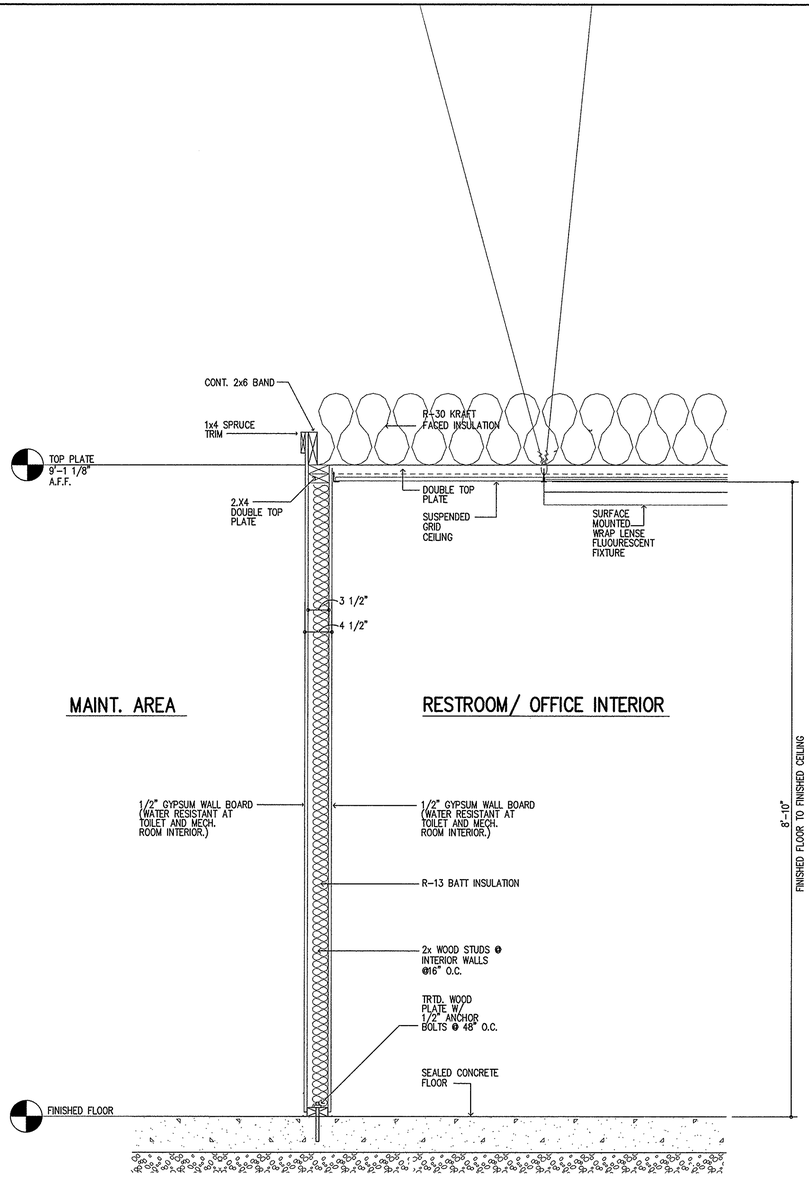
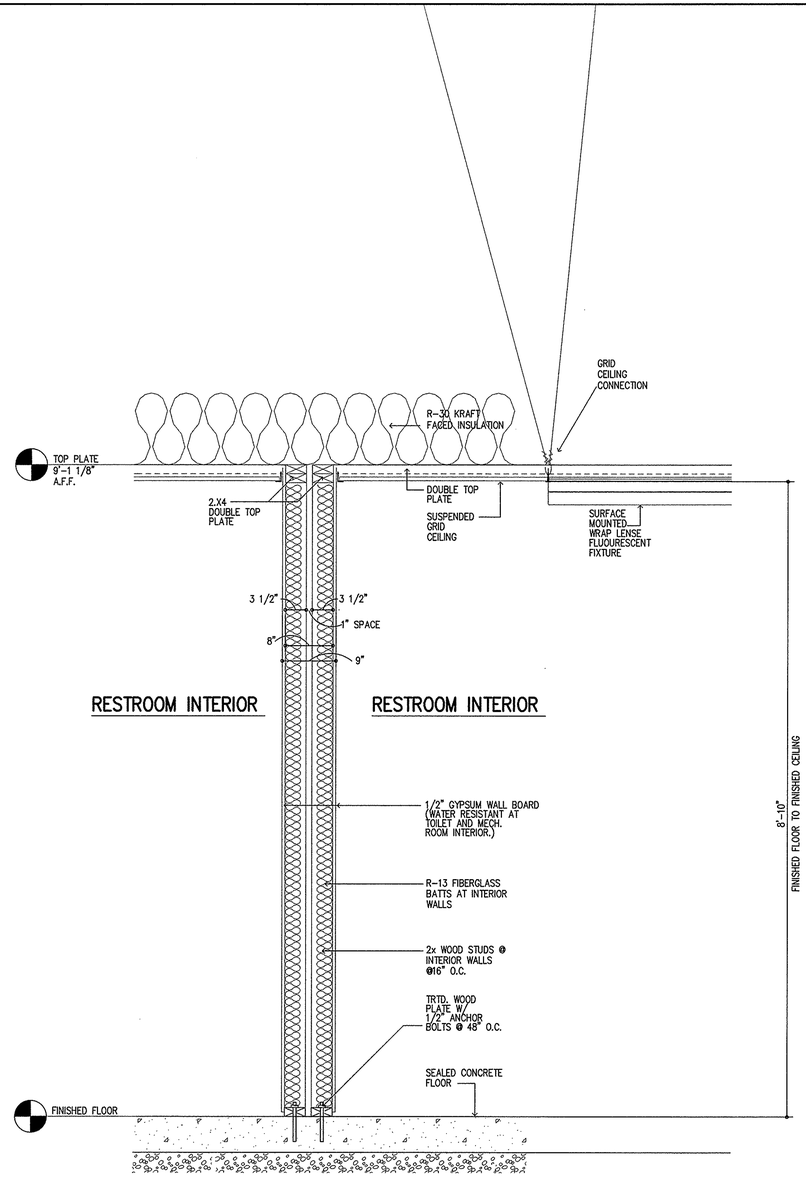
Architect's Seal:

REGISTERED ARCHITECT STATE OF MISSISSIPPI



1 A-4.02 PARTITION WALL SECTION
1"= 1'-0"



2 A-4.02 DOUBLE STUD PARTITION WALL SECTION
1"= 1'-0"

03.09.17 JRE

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Sheet Title: PARTITION WALL SECTIONS

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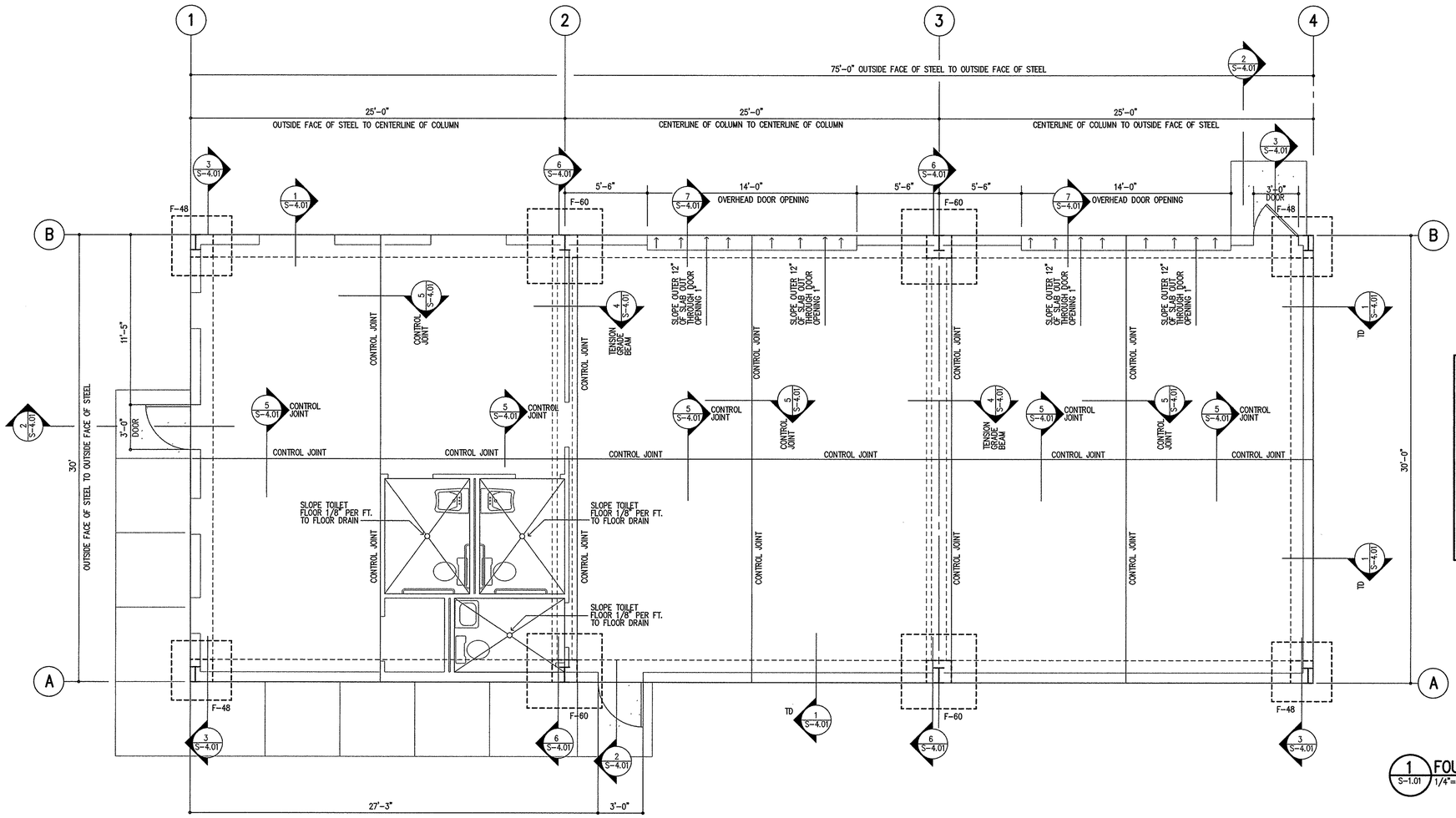

1 S-1.01 **FOUNDATION PLAN**
1/4"= 1'-0"

1. 6" CONCRETE SLAB 4000 PSI MIX REINF. W/ 6x6 10/10 WELDED WIRE MESH.
2. VAPOR BARRIER IS 6 MIL VISQUEEN OVER 4" OF COMPACTED GRANULAR DRAINAGE FILL.
3. REINFORCING STEEL IS GRADE 60 W/ CORNER BARS AND LAPS (2'-6" @ #5 BARS)
4. SMOOTH MACHINE FINISH ALL OF CONCRETE SLAB
5. PRE-TREAT FOR TERMITES.
6. PROVIDE 3 1/2" METAL SCREED KEYS OR SAW CUT CONTROL JOINTS AS SHOWN.
7. OFFICE, CONFERENCE AND RESTROOM AREAS ARE TO BE STAINED AND SEALED CONCRETE. MAINTENANCE AREAS ARE TO BE SEALED CONCRETE. CURING COMPOUNDS USED SHALL BE COMPATIBLE WITH STAINS AND SEALERS USED.

GENERAL NOTES

1. THE PREPARATION OF THE SUBGRADE SHALL BE COMPACTED TO 95% STANDARD PROCTOR.
2. THE GENERAL CONTRACTOR SHALL REVIEW AND COMPARE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND CIVIL DRAWINGS & REPORT ANY SUSPECTED DISCREPANCIES TO THE ARCHITECT IMMEDIATELY.

METAL BUILDING NOTES

1. THE METAL BUILDING STRUCTURE SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER EMPLOYED BY THE METAL BUILDING MANUFACTURER. (LICENSED IN MISSISSIPPI)
2. THE METAL BUILDING ENGINEER SHALL SUPPLY FINAL REACTIONS FOR THE METAL BUILDING STRUCTURE FOR THE USE OF THE FOUNDATION DESIGN ENGINEER IN HIS FINAL FOUNDATION DESIGN CALCULATIONS.

SEISMIC DESIGN DATA

S_S = 65.2 S1 = 22.8
USE GROUP II
SITE CLASS "D" DESIGN CATEGORY "C"

Wind Load (velocity pressure) = 15.0 psf
Roof Live Load = 10 psf
Seismic Based Shear = 17K

SOILS NOTES:

1. FOUNDATIONS ARE DESIGNED FOR 2000 PSF @ THE BOTTOM OF FOOTINGS
2. MINIMUM DEPTH OF FOOTINGS FOR FROST PROTECTION IS 16" BELOW FINISHED GRADE.
3. FOUNDATIONS & FLOOR SLAB SHALL BEAR ON NATURAL FIRM SOLID GROUND OR ON FULLY COMPACTED STRUCTURAL FILL

CONCRETE STRENGTH:

CONCRETE 28 DAY SPECIFIED COMPRESSIVE STRENGTH SHALL BE AS FOLLOWS:
1. PAD FOOTINGS 3500 psi*
2. SLAB AND TURN DOWN- 4000 psi
3. EXTERIOR FLATWORK - 4000 psi AIR ENTRAINED 6% MAXIMUM
* EXTERIOR WALL FOOTINGS EXPOSED TO FREEZING SHALL BE 4000 psi AIR ENTRAINED

TERMITE CONTROL NOTES:

PROVIDE TERMITE CONTROL BY MEANS OF CHEMICAL BARRIERS AT ALL UNDERSLAB AREAS AND AT EXTERIOR PERIMETER FOUNDATIONS AND INTERNAL FOUNDATIONS OF BUILDING STRUCTURES. COMPLY WITH CHEMICAL MANUFACTURERS WRITTEN INSTRUCTIONS. ENGAGE PROFESSIONAL PEST CONTROL OPERATOR, LICENSED WITH THE STATE. ALL PERSONNEL SHALL BE BONDED. SUBMIT TECHNICAL DATA ON MATERIALS TO BE EMPLOYED. FURNISH 5 YEAR WRITTEN GUARANTEE IN FAVOR OF OWNER AGAINST ALL TERMITE DAMAGES. ALL CHEMICALS, METHODS AND APPLICATIONS SHALL MEET ALL EPA AND STATE PLANT BOARD REQUIREMENTS.

REINFORCING STEEL NOTES:

1. ALL REINFORCING STEEL SHALL BE ASTM A 615-80, GRADE 60.
2. PROVIDE CORNER BARS AT ALL CHANGES IN FOUNDATION DIRECTIONS
3. THE MINIMUM OVERLAP AT SPLICES IN REINFORCING STEEL SHALL BE 40 x DIAMETER OF REINFORCING BAR.
4. SUPPORT ALL REINFORCING STEEL ON CHAIRS SPACE CHAIRS 30" MAXIMUM ON CENTER. MINIMUM OF 3 CHAIRS AT EACH LOCATION OR MORE IF REQUIRED FOR SUPPORT OF STEEL SUPPORT WIRE MESH IN SLAB ON CHAIRS SPACE 30" O.C. EACH WAY

FOOTING SCHEDULE:

MARK	SIZE (WxDxL)	REINFORCING
TD	18"x 24" x CONT.	4-#5 CONTINUOUS ON #3 STIRRUPS @ 24" O.C.
F48	48"x48"x12" THICK	5-#5 BARS 3'-6" LONG EACH WAY
F60	60"x60"x12" THICK	7-#5 BARS 4'-6" LONG EACH WAY
TB	SEE DETAIL	2-#5 BARS ON #4 TIES 32" O.C.

STRUCTURAL STEEL NOTES:

THE FOLLOWING STANDARDS APPLY TO THE FABRICATION AND ERECTION OF ALL STRUCTURAL STEEL REQUIRED FOR THIS PROJECT:
AISC: "SPECIFICATIONS FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
AISC: "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS".
AISC: "STRUCTURAL STEEL DETAILING".
AWS: D1.1 "STRUCTURAL WELDING CODE".
SSPC: "STEEL STRUCTURES PAINTING COUNCIL SYSTEMS AND SPECIFICATIONS".
ANCHOR BOLTS SHALL BE A307 UNLESS NOTED.

VERIFY BOLT SETTINGS W/ METAL BUILDING SUPPLIER ANCHOR BOLT PLANS

SHANNON D. HOPKINS LICENSED PROFESSIONAL ENGINEER PE-18699 STATE OF MISSISSIPPI 3/13/17

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Architect's Seal:

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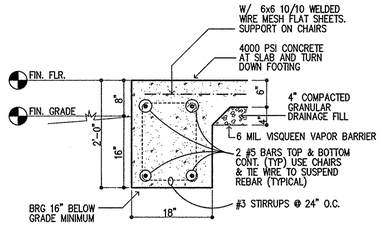
Project Title:
SENATOBIA SPORTS PARK
Maintenance Building
Scott Street, Senatobia, Mississippi

Final Issue Date: MARCH 9, 2017

Revisions:

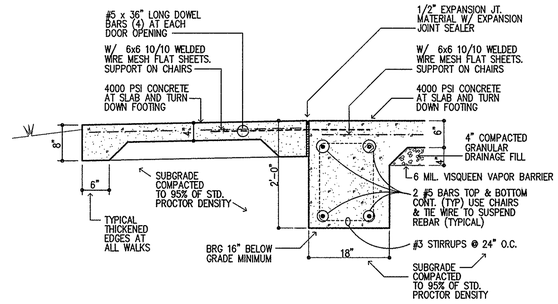
Mark	Date	Description

Project No.: 17-001
CAD Drawing: 17-001 S-1.01
Sheet Title: FOUNDATION PLAN
Sheet No.: **S-1.01**



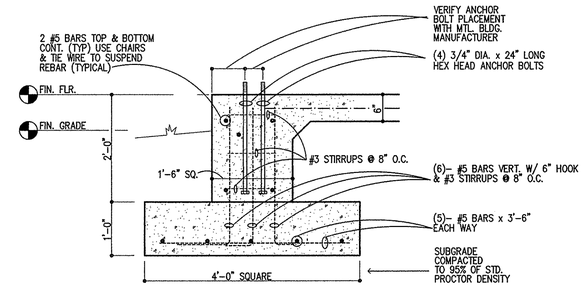
1 S-4.01 **TYPICAL PERIMETER FOOTING**

SCALE: 3/4" = 1'-0"



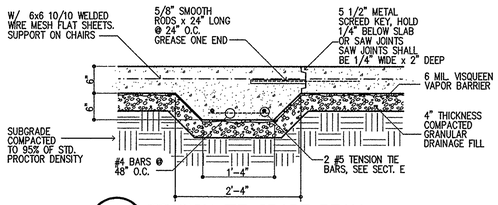
2 S-4.01 **TYPICAL PERIMETER FOOTING @ DOOR**

SCALE: 3/4" = 1'-0"



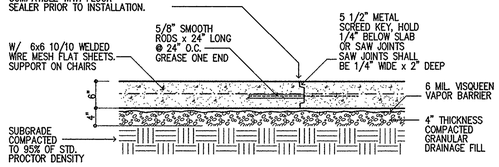
3 S-4.01 **TYPICAL PERIMETER FOOTING @ END FRAME PAD FOOTING (F48)**

SCALE: 3/4" = 1'-0"



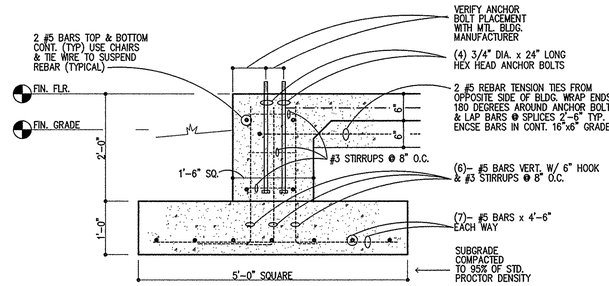
4 S-4.01 **TENSION TIE GRADE BEAM**

SCALE: 3/4" = 1'-0"



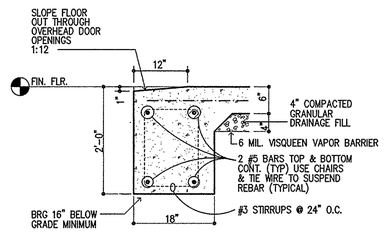
5 S-4.01 **TYPICAL CONSTRUCTION JOINT**

SCALE: 3/4" = 1'-0"



6 S-4.01 **TYPICAL PERIMETER FOOTING @ MAIN FRAME PAD FOOTING (F60)**

SCALE: 3/4" = 1'-0"



7 S-4.01 **TYPICAL PERIMETER FOOTING @ OVERHEAD DOORS**

SCALE: 3/4" = 1'-0"

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Scott Street, Senatobia, Mississippi

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Project No.: 17-001

CAD Drawing: 17-001 S-4.01

Sheet Title: FOUNDATION DETAILS

Sheet No.: **S-4.01**

MAINTENANCE BUILDING SPECIFICATIONS / PAGE 1 OF 2

GENERAL CONDITIONS: **SEE PROJECT MANUAL**

SUPPLEMENTARY GENERAL CONDITIONS: **SEE PROJECT MANUAL**

Performance Bond and Labor and Material Payment Bond: **SEE PROJECT MANUAL**

Workmen's Compensation Insurance: **SEE PROJECT MANUAL**

Comprehensive General Liability Insurance: **SEE PROJECT MANUAL**

Comprehensive Automobile Liability Insurance: **SEE PROJECT MANUAL**

Owner's Protective Liability Insurance: **SEE PROJECT MANUAL**

Builder's Risk: **SEE PROJECT MANUAL**

Owner: **SEE PROJECT MANUAL**

Invitation To Bid: **SEE PROJECT MANUAL**

Bid Bond: **SEE PROJECT MANUAL**

Agreement Between
Owner and Contractor: **SEE PROJECT MANUAL**

DIVISION 1 – GENERAL REQUIREMENTS: **SEE PROJECT MANUAL**

Summary of the Work: **SEE PROJECT MANUAL**

Alternates: **SEE PROJECT MANUAL**

Submittals: **SEE PROJECT MANUAL**

Temporary Facilities: **SEE PROJECT MANUAL**

DIVISION 2 – SITE WORK: **SEE PROJECT MANUAL AND SITE DRAWINGS.**

Pollution Control: **SEE PROJECT MANUAL AND SITE DRAWINGS.**

Clearing: **SEE PROJECT MANUAL AND SITE DRAWINGS.**

Demolition: **SEE PROJECT MANUAL AND SITE DRAWINGS.**

Other Site Improvements: **SEE PROJECT MANUAL AND SITE DRAWINGS.**

Top Soil : **SEE PROJECT MANUAL AND SITE DRAWINGS.**

Site Utilities: **SEE PROJECT MANUAL AND SITE DRAWINGS.**

Site Cleanup: **SEE PROJECT MANUAL AND SITE DRAWINGS.**

DIVISION 3 – CONCRETE: **FOR BUILDING, WALKS AND LANDINGS AT DOORS**

All work under this division shall comply with the latest published codes and recommendations of the American Concrete Institute. All reinforcing steel shall be ASTM–A615 Grade 40/

Footings: **SEE S–1.01 FOUNDATION PLAN & S–4.01 FOUNDATION DETAILS**

Foundation Walls: **NA**

Slab on Grade: **SEE S–1.01 FOUNDATION PLAN & S–4.01 FOUNDATION DETAILS**

Slab Above Grade: **NA**

Thickened Slab: **SEE S–1.01 FOUNDATION PLAN & S–4.01 FOUNDATION DETAILS**

Joints: **SEE S–1.01 FOR LOCATIONS**

Concrete Joints :

GREAT CARE SHALL BE TAKEN TO PROVIDE SMOOTH TOOLED EDGES @ ALL JOINTS.
Sidewalk Expansion Joints– continuous where walk meets building slab or columns.
Provide transverse expansion joints as shown on plans. Max spacing between expansion joints shall not exceed 20'. Provide Control Joints as shown on plans. Maximum space between control joints shall not exceed 10'. Seal all joints with an approved elastometric joint sealer.
Tool all joint edges to a smooth radius. If edges are found to be sharp, crooked, or irregular in any way, the concrete shall be replaced immediately. Protect concrete surface from scarring discoloration or any other damage. Damaged concrete shall be removed and replaced immediately.
THE COST OF REPLACING CONCRETE AS NOTED ABOVE SHALL BE PAID BY THE CONTRACTOR.

DIVISION 4 – MASONRY: **NONE USED**

DIVISION 5 – METALS: **ENGINEERED METAL BUILDING FRAMES: SEE DIVISION 13**

Structural steel: **ENGINEERED METAL BUILDING FRAMES: SEE DIVISION 13**
ALL STEEL FABRICATION SHALL BE IN ACCORDANCE WITH AISC STANDARDS.

Misc. Metals: Provide miscellaneous steel angles, cups, braces, plates, washers, bolts, etc. etc. as required and as shown on drawings for a complete,thorough, precision & compliant job.

DIVISION 6 – CARPENTRY:

Partition Framing: REFER TO DRAWINGS

Studs: Construction grade southern yellow pine.

Bottom plates: Pressure Treated Southern Yellow Pine

Top Plates: Construction grade southern yellow pine.

Size and Spacing: As Directed on Drawings.

Interior Trim: Spruce

DIVISION 7 – MOISTURE CONTROL:

Membrane Waterproofing: **NONE**

Footing Drains: **NONE**

Vapor Barrier: **6 MIL VISQUEEN VAPOR BARRIER UNDER SLAB**

INSULATION:

Location	Thickness	Material Type	Vapor Barrier
In Roof Framing:	6"	VINYL FACED BATTS	R–19
At All Exterior Walls:	4"	VINYL FACED BATTS	R–13
In Office/Toilets Exterior Walls	Additional 3 1/2"	Batts W/ Vapor Barrier	R–13
At Office and Toilets Ceiling	12"	Batts W/ Vapor Barrier	R–38

ROOFING: METAL BUILDING ROOF PER DIVISION 13

Vents: **WALL VENTS, SEE MECHANICAL PLAN**

Caulks and Sealants: CAULK PERIMETER OF DOORS AND WINDOWS.
AND ANY OTHER PENETRATIONS OF WALL MEMBRANE.
INSTALL SEALER AT JOINTS IN CONCRETE.

DIVISION 8 – DOORS AND WINDOWS: SEE A–1.01 FOR DOORS AND WINDOWS

Hollow Mtl Doors Comm. quality level: cold–rolled galv. steel insulated, 16–gauge

Hollow Mtl Frames Cold–rolled furniture galv. steel, comb. buck and frame 16–gauge w/reinf.)

Windows: Cold–rolled furniture galv. steel, comb. buck and frame 16–gauge w/reinf.)

Finish Hardware: See plans, locks to be Sargent or Schlage. Commercial grade.

Weatherstripping: Pemko or National Guard – see door schedule, sheet A–1.01

Threshold: "LO–BOY" at ALL exterior doors, set in full bed of sealant. 1/2" max ht.

DIVISION 9 – FINISHES See finish schedule on drawings

Drywall Material: Gypsum Board Thickness 1/2" / W.R. @ TLTS.

Joint Treatment: "Perf–a–tape", "Perf–a–bead", "Dur–a–bead", USG #200 – all accessories

Painting Schedule: (All numbers based on Sherwin–Williams)

Concrete Floors: 2 coats clear sealer

Gyp Bd Ceilings: 1 coat Prep Rite 200 latex primer
1 coat Ceiling White Flat Latex B30– WB 4025

Gyp Bd Walls: 1 coat Prep Rite 200 latex primer
2 Coats eggshell fin acrylic

Metal building frames and purlins and wall girts: SEE DIVISION 13

ACOUSTICAL TILE CEILINGS:

A. Includes materials and installation of the acoustical tile ceilings and suspension system, as indicated / scheduled on the drawings and as specified herein.

1.02 RELATED SECTIONS
A. Section 06100 Rough Carpentry
B. Section 09250 Gypsum Wallboard
C. Section 09900 Painting
D. Division 15 Mechanical; coordination of installation of HVAC system components with ceiling installation.
E. Division 16 Electrical; coordination of installation of lighting fixtures and other electrical apparatus with ceiling installation.

1.03 QUALITY ASSURANCE
A. Reference Standards:
1. Suspension systems shall comply with ASTM C635, "Standard Specification for Metal Suspension Systems for Acoustical and Lay–In Panel Ceilings".
2. Installation of ceiling systems shall comply with ASTM C636, "Recommended Practice for Installation of Acoustical Tile and Lay–In Panels".
B. Installer Qualifications: Firms with not less than three years of successful experience in installation of acoustical ceilings similar to requirements for this project and which is acceptable to manufacturer of acoustical units, as shown by current written statement from the manufacturer.
C. Acceptable Manufacturers: The following manufacturers are acceptable for use on this project to compliance with these specifications:
1. Armstrong Company
2. United States Gypsum
3. Celotex
4. Donn Corporation
5. Chicago Metallic Corporation
6. National Rolling Mills

1.04 SUBMITTALS
A. Copies of shop drawings showing ceiling tile and suspension layout and technical data and one physical sample of each type ceiling tile shall be submitted for approval, in accordance with Section 01340.

1.05 PRODUCT DELIVERY, STORAGE, AND HANDLING
A. Care shall be taken in handling all portions of the ceiling during transportation and at the job site. All material must arrive at the job site packed in heavy, unopened cartons bearing the manufacturer's labels. Store material under cover, in a dry location and in a manner to prevent damage. Broken, chipped, or cracked panels will not be installed.

PART 2 PRODUCTS
2.01 MATERIALS
A. Ceiling Tile: 24" x 48" x 9/16", Armstrong World Industries, Inc., Lay–In Ceiling Tile; "Second Look II", No. 1766.
B. Suspension System:
A. Intermediate duty mechanical suspension, exposed grid system formed from commercial quality cold–rolled steel electro–galvanized coated, prepainted low–sheen white.
B. The suspension system shall consist of the following components:
1. Main tee with a double web design and with a rectangular bulb; with 15/16" exposed flange with rolled cap with integral reversible splice.
2. Cross tee with double web design and with a rectangular bulb with web extending to form a positive interlock with main tee; with the lower flange extended and offset.
3. Wall moulding with an angle shape and with one inch exposed face.
4. Hanger wires shall be No. 12 annealed, galvanized.
5. Provide hold down clips for ceilings as required by HVAC design to meet local codes.

PART 3 EXECUTION
1. GENERAL
A. Acoustical material and suspension system shall be installed by a sub–contractor thoroughly experienced with the system to be used. Installation shall be as per the selected manufacturer's instructions to achieve the design intent as indicated on the drawings. Acoustical materials shall be installed under conditions as outlined in the current bulleting of the Acoustical Materials Association. All areas to receive suspended acoustical ceiling shall be broom cleaned and uninterrupted for free movement of scaffolding.
B. Coordinate work with mechanical and electrical work being performed in areas where acoustical ceilings are to be installed in order to avoid interferences with other trades. Piping, ducts, electrical and other work that is to be concealed by the ceiling system shall be completed, tested and inspected, and the proper ceiling height and level established before acoustical units are installed.

Start of installation of acoustical work, including the suspension system, shall constitute acceptance of structural floor and/or ceiling to which acoustical work is to be attached as being satisfactory to permit approved installation. If inspection of work discloses any unsatisfactory conditions, it shall be reported to the Contractor in writing before commencing work. Otherwise no claim will be considered for unsatisfactory work under this Section due to real or alleged faulty conditions.

1.01 INSTALLATION
A. The suspension system supports its ceiling assembly with a maximum deflection of 1/360 of the span. Space main tee suspension members four feet on center. Space hanger for main tees not more than six inches from the end, and not more than four feet on center, across the length. Provide additional hangers as necessary for support of fixtures and other items so as not to cause excessive deflection. Support main tees only from hangers. Do not bear on walls or partitions. Support cross runners from main runners. Interlock ends of cross runners with main runners.
B. Install boards to rest on flanges or inverted tees with board units fitting neatly against abutting surfaces and supported by wall angles. Balance border areas to avoid units less than unit width wherever possible.
C. Install hold–down clips as required by governing codes and HVAC design at interior ceiling systems.

1.02 CLEANING AND PROTECTION
A. Upon completion of the ceiling installation, remove from the job site all excess materials and debris. Clean ceiling tiles prior to final inspection.
B. Protect completed installation until the project is accepted by the Owner. Remove and replace any tiles which are and that have become discolored or damaged, at no expense to the Owner.

DIVISION 10 – SPECIALTIES:

SIGNAGE:

Provide ADA compliant signage for:

Men's Restroom
Women's Restroom
TOILET
JANITOR*
(2) MAINTENANCE **
OFFICE**

* Provide Tactile Warning of Dangerous Location for the Sight Impaired.
** EXTERIOR SIGNS SHALL BE CAST METAL.
Provide braille markings at all signage.
See plans for accessible mounting heights and locations of signs

FIRE EXTINGUISHERS: SEE DRAWINGS FOR LOCATIONS:
Class ABC, 10# w/ Wall Mnt Bracket

TOILET ACCESSORIES: SEE ACCESSORY SCHEDULE ON DRAWINGS.
See plans for further specifications and details.

DIVISION 11 – EQUIPMENT (NONE IN CONTRACT)

DIVISION 12 – FURNISHINGS (NONE IN CONTRACT)

CONCRETE EDGE FINISHING NOTES:

ALL CONCRETE WALKS SHALL BE EDGE TOOLED TO PROVIDE A HARD, CRISP STRAIGHT EDGE WITH 1/4" RADIUS ANY WALKS THAT ARE POURED AND NOT COMPLETELY EDGED SHALL BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE. RAGGED, CHIPPED, CROOKED OR BROKEN WALK EDGES WILL NOT BE ACCEPTED. GRINDING & PATCHING OF ROUGH EDGES WILL NOT BE ALLOWED.

Architect's Seal:

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2017

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Project Title:
SENATOBIA SPORTS PARK
Maintenance Building
Scott Street, Senatobia, Mississippi

Final Issue Date:	March 9, 2017	
Revisions:		
Mark	Date	Description

Project No.: 17–001

CAD Drawing: SPECIFICATIONS.AEC

Sheet Title: SPECIFICATIONS SHEET 1

Sheet No.: **SP-1**

MAINTENANCE BUILDING SPECIFICATIONS / PAGE 2 OF 2

DIVISION 13:

METAL BUILDING SYSTEMS

PART 1 – GENERAL

1.01 SYSTEM DESCRIPTION

A. Building: Single span rigid frame.

B. Bay spacing: Varies, refer to Drawings.

C. Primary Framing: Rigid frame.

D. Secondary Framing: Purlins, eave struts, flange bracing, clips, and other items detailed.

E. Roof Slope: See Drawings.

1.02 DESIGN REQUIREMENTS

A. Design members to withstand dead load, applicable snow load, and design loads due to pressure and suction of wind calculated in accordance with applicable code, and loads indicated on Drawings.

1. Comply with requirements of 2012 International Building Code.
2. Wind: Design to 115 mph.
3. Seismic: Comply with requirements of 2012 International Building Code.
4. Collateral Load: 3 psf.

B. Design frames to resist seismic and wind loads in direction of frame span. Exterior wall to brace wind and seismic loads perpendicular to frames.

C. Roof system shall withstand imposed loads with maximum allowable deflection of span: L/240. Drift of building shall meet the requirements of 2012 International Building Code. Drift of structure shall not exceed height times drift factor of H/90.

D. No structural member shall be larger than sizes indicated on drawing. Design all columns using straight columns except main frame columns which may be tapered.

E. Roof Covering: Design to support a 200–lb. concentrated point load (over 1 ft x 1 ft area) located at center of maximum roofing panel span between purlins.

1.03 SUBMITTALS

A. Product Data: Provide data on profiles, component dimensions, fasteners, and anchor bolts.

B. Shop Drawings: Indicate assembly dimensions, locations of structional members, connections, attachments, openings, cambers, and loads; wall and roof system dimensions, panel layout, general construction details, anchorage's and method of anchorage, and method or installation; framing anchor bolt settings, sizes, and locations from datum, and foundation loads; indicate welded connections with AWS A2.0 welding symbols; indicate net weld lengths; provide State of Arkansas licensed structural engineer seal and signature.

C. Manufacturer's Instructions: Indicate preparation requirements and anchor bolt placement.

D. Erection Drawings: Indicate members by label, assembly sequence, and temporary erection bracing.

1.04 QUALITY ASSURANCE

A. The manufacturer must be currently AISC–MB certified and must submit the certification with the bid. Perform Work in accordance with AISC Quality Certification Program Category MB., MBMA Metal Building Systems Manual, and MBMA Low Rise Building Systems Manual. Maintain one copy on site.

B. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum five years documented experience.

C. Erector Qualifications: Company specializing in performing the work of this section with minimum five years documented experience and approved by manufacturer.

D. Design structural components, develop shop drawings, and perform shop and site work under direct supervision of a Professional Structural Engineer experience in design of this Work and licensed in the State of Arkansas.

E. Conform to applicable code for submission of design calculations, and reviewed shop and erection drawings as required for acquiring permits.

F. Cooperate with regulatory agency or authority and provide data as requested.

1.05 WARRANTY

A. Panel Finish: Provide 25 year manufacturer's warranty for exterior prefinished surfaces.

B. Warranty: Cover prefinished color coat against chipping, cracking or crazing, blistering, peeling, chalking, or fading.

C. Roof Systems: Provide 20 year warranty for roof system watertightness from metal building manufacturer. A 2 year warranty for materials and workmanship shall be provided by the roof installer.

PART 2 – PRODUCTS

2.01 BUILDING SYSTEM

A. Manufacturer: Nucor Building Systems (or equal)
Phone: 1–662–563–7894
Fax: 1–662–578–8705

2.02 FRAMING

A. Structural Steel Members: ASTM A992, Grade 50.

B. Structural Tubing: ASTM A500, Grade B.

C. Plate or Bar Stock: ASTM A529.

D. Anchor Bolts: ASTM F1554, unprimed.

E. Bolts, Nuts, and Washers: ASTM A325.

F. Welding Materials: AWS D1.1; type required for materials being welded.

G. Primer: SSPC 16–68T, Red Oxide.

H. Grout: ASTM C1107, Non–strink type, premixed compound consisting of non–metallic

I. All main frame parts (columns and rafters) must be identified with a metal tag that is visible after the erection is complete.

2.02 ROOF PANELS

A. Manufacturer/Product:

1. "Nucor Classic Roof"

B. Description: 36 inch wide x 1–1/4 inch high ribs spaced 12" on center with an extended purlin bearing sidecap to allow for additional sidecap support vertical male and female rib. Two minor ribs are evenly spaced in the flat area between major ribs.

C. Sheet Steel Stock: 26 gage prepainted galvanized to ASTM A–653 G90 designation.

D. Fasteners: Manufacturer's standard type, galvanized to ASTM A153 1.25 oz/sq ft, finish to match adjacent surfaces when exterior exposed.

E. Bituminous Paint: Asphaltic type.

F. Panels shall be continuous with no end laps.

2.03 WALL PANELS

A. Manufacturer/Product:

1. "Nucor RC Wall"

B. Long Span Panel: 26 gage with ribs 1–1/4 inches deep, spaced 12 inches on center with two smaller ribs between major ribs. Provide 36 inch net coverage in width.

C. Sheet Steel Stock: 26 gage prepainted galvanized to ASTM A–653 G90 designation.

D. Fasteners: Manufacturer's standard type, galvanized to ASTM A153 1.25 oz/sq ft, finish to match adjacent surfaces when exterior exposed.

2.04 GUTTERS AND DOWNSPOUTS

A. Eve Gutters: 26 gage roll–formed steel prefinished in color to match trim.

Eve Gutter Downspout: 26 gage roll–formed steel; 4 inch x 5 inch x 10 ft length; downspout elbows and straps to match wall panel finish.

2.05 INSULATION

A. Roof Insulation: 6" vinyl faced blanket insulation.

A. Wall Insulation: 4" vinyl faced blanket insulation.

B. Insulation: ASTM C665 Type I, Class A; 6 AND 4 inches thick.

2.07 FABRICATION FRAMING

A. Fabricate members in accordance with AISC Specifications for plate, bar, tube, or rolled structural shapes.

B. Anchor Bolts: Formed with straight shank, assembled with template for casting into

2.08 FABRICATION WALL AND ROOF SYSTEMS

A. Purlins: Rolled formed structural shape to receive roofing system as indicated on Drawings.

B. Fasteners: To maintain load requirements and weather tight installation.

2.09 FINISHES

A. Framing Members: Clean, prepare, and shop prime. Do not prime surfaces to be field welded.

B. Roof Panel Finish: AZ50 Galvalume conforming to ASTM A792.

C. Color: To be selected by Owner and Architect.

PART 3 – EXECUTION

3.01 EXAMINATION AND PREPARATION

A. Verify that foundation, electrical utilities, and placed anchors are in correct position.

3.02 ERECTION GENERAL

A. Perform by qualified erector using proper tools and equipment as recommended by manufacturer and as indicated on approved shop drawings.

B. Conform to Section 6, Common Industry Practices found in the "Low Rise Building Systems Manual ".

C. Do not perform any field modifications to primary structural members except as authorized by metal building manufacturer.

3.03 ERECTION FRAMING

A. Erect framing in accordance with AISC Specification.

B. Provide for erection and wind loads. Provide temporary bracing to maintain structure plumb and in alignment until completion erection and installation of permanent bracing.

C. Set column base plates with non–strink grout to achieve plate bearing.

D. Do not field cut or alter structural members without approval.

E. After erection, prime welds, abrasions, and surfaces not shop primed.

3.04 ERECTION ROOFING PANELS

A. Install in accordance with manufacturer's instructions.

B. Exercise care when cutting prefinished material to ensure cuttings do not remain on finish surface.

C. Fasten cladding system to structural supports, aligned level and plumb.

D. Locate end laps over supports. End laps minimum 4 inches. Place side laps over bearing.

3.05 TOLERANCES

A. Framing Members: 1/4inch from level; 1/8 inch from plumb.

DIVISION 14 – CONVEYING SYSTEMS (NONE IN CONTRACT)

DIVISION 15 – MECHANICAL

HEATING, VENTILATION & AIR CONDITIONING:

These specifications are intended to provide for a complete and perfect system of heating, ventilating & air conditioning and anything omitted, which is necessary to the proper installation of these systems, must be supplied and installed by the Contractor without extra charge. The Contractor shall be held strictly responsible for the quality of the materials and labor furnished and for the proper installation of the systems. All work shall conform to the rules and regulations of the Health Department and the requirements of the Mechanical Codes of the City and State. The Contractor shall file all drawings, pay all legal fees, and obtain and pay for any and all permits.
Provide all roof jacks necessary for HVAC installation.

Mechanical Equipment schedule: (See Mechanical Plans)
SEE PROJECT MANUAL FOR FURTHER SPECIFICATIONS AND REQUIREMENTS.

PLUMBING:

These specifications are intended to provide for a complete and perfect system of hot and cold water supply, drainage, vent piping, sewerage, etc. and anything omitted, which is necessary to the proper installation of the system, must be supplied and installed by the Contractor without extra charge. The Contractor shall be held strictly responsible for the quality of the materials and labor furnished and for the proper installation of the systems. All work shall conform to the rules and regulations of the local Board of Health and the requirements of the Plumbing Codes of the City and State. The Contractor shall file all drawings, pay all legal fees, and obtain and pay for any and all permits. He/She shall see that an adequate supply of water for building purposes at the commencement of the work is available. The Contractor shall specifically inform the General Contractor of the various sub–contractors concerned, the size and location of all chases, openings, supports, etc. which his work may require for all cutting, through walls, floors, roof, etc. and the proper closing thereof. Provide and install complete hot and cold water systems which are to extend to all fixtures. No risers to any fixtures to be less than 1/2" in diameter. All water piping within area of building to be type 'L' copper pipe below slab and type 'M' copper above floor or as directed by local building code amendments. Provide condensate drain for mechanical unit with proper trap to sanitary sewer system. Provide all roof jacks necessary for plumbing installation. Provide water shut–off valve for building And shut–off valve for each fixture.

Plumbing Schedule (See Plumbing Plans)
SEE PROJECT MANUAL FOR FURTHER SPECIFICATIONS AND REQUIREMENTS.

DIVISION 16 – ELECTRICAL – REFER TO ELECTRICAL DRAWINGS

ELECTRICAL:

These specifications are intended to provide for a complete and perfect system of electrical power & lighting the concession building and anything omitted, which is necessary to the proper installation of these systems, must be supplied and installed by the Contractor without extra charge. The Contractor shall be held strictly responsible for the quality of the materials and labor furnished and for the proper installation of the systems. All work shall conform to the rules and regulations of the Building code and the requirements of the National Electric Code and of the City and State. The Contractor shall file all drawings, pay all legal fees, and obtain and pay for any and all permits.
Provide temporary service and wiring for use of all trades during concession building construction.

SEE PROJECT MANUAL FOR FURTHER SPECIFICATIONS AND REQUIREMENTS.

UPON COMPLETION OF THE PROJECT, THE GENERAL CONTRACTOR SHALL PRESENT TO THE OWNER A CLEARLY LABELED BINDER CONTAINING THE FOLLOWING:

(a) ALL PRODUCT WARRANTIES, INCLUDING THE ROOF WARRANTY
(b) CONTACT NAMES AND PHONE NUMBERS FOR ALL SUBCONTRACTORS AND FOR SUPPLIED PRODUCTS OR ITEMS WHICH REQUIRE ONGOING MONITORING OR MAINTENANCE.
(c) A LIST OF ALL PRODUCT COLOR/TYPE SELECTIONS INCLUDING, BUT NOT LIMITED TO ROOF METAL, PAINT COLOR/FORMULA,

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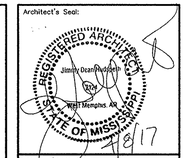
Architect's Seal:



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Project Title:

SENATOBIA SPORTS PARK
Maintenance Building
Scott Street, Senatobia, Mississippi

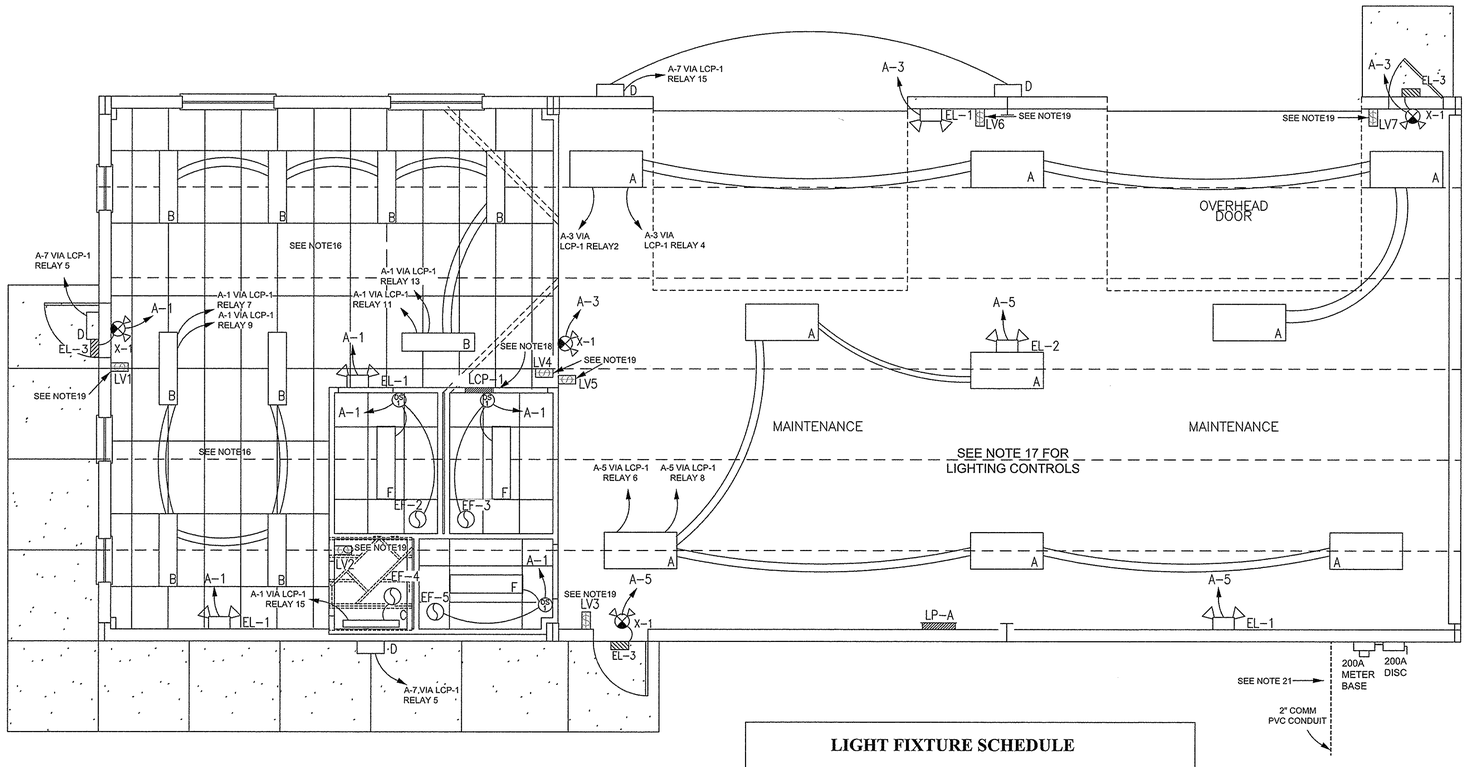
Final Issue Date:	March 9, 2017	
Revisions:		
Mark	Date	Description

Project No.: 17–001

CAD Drawing: SPECIFICATIONS.AEC

Sheet Title: SPECIFICATIONS SHEET 2

Sheet No.: SP-2



LIGHT FIXTURE SCHEDULE

A	4' HIGH BAY FLUOR, 120 V, (2) 3 LAMP T8 BALLASTS RATED FOR 113 DEG F, W/(6) 32W LAMPS COLMUSIA P/N - LHA4-632-WU-3EU U-F0841 WITH LHVQM10 10' CABLE HANGER (OR EQUIV) MNT FIXTURE 10'-0" AFF (VERIFY HEIGHT) FIXTURES TO BE WIRE FOR BI-LEVEL CONTROL
B	4' SURFACE WRAP FLUOR, 120 V, T-8 BALLAST, W/ (3) 32W LAMPS LITHONIA P/N - LB3 32 MVOLT 1/3 GEB10IS (OR EQUIV) MNT FIXTURE USING CADDY HANGER AND SUPPORT WIRES OR ALL THREAD INDEPENDENT OF GRID CEILING SUPPORT WIRES
C	3' WALL MOUNT FLUOR, 120 V, T-8 BALLAST, W/(2) 25W LAMPS LITHONIA P/N - WC 2 25 MVOLT GEB10IS (OR EQUIV) MNT FIXTURE ON WALL 7'-0" AFF
D	WALL PACK, LED, 120 V, 8375 LUMENS, 4000K TEMP, WET LOC LITHONIA P/N - - TWH LED 30C 1000 40K T3M MVOLT DDBXD OR EQUIV (VERIFY COLOR) MNT TOP OF FIXTURE 15'-0" ABOVE FINISHED GRADE
F	4' SURFACE WRAP FLUOR, WIDE HOUSING, 120 V, T-8 BALLAST, W/ (2) 32W LAMPS LITHONIA P/N - 2LB 2 32 MVOLT GEB10PS (OR EQUIV) MNT FIXTURE USING CADDY HANGER AND SUPPORT WIRES OR ALL THREAD INDEPENDENT OF GRID CEILING SUPPORT WIRES
EL-1	QUICK-MOUNT, LED EMERGENCY LIGHT, 120 V, (2) 1.5 W LAMPS LITHONIA P/N - ELM2 LED (OR EQUIV) MOUNT AT 7'-6" AFF
EL-2	QUICK-MOUNT, LED EMERGENCY LIGHT, 120 V, (2) 2.5 W LAMPS, HIGH OUTPUT (DAMP LOC) LITHONIA P/N - ELMLT W LP03VS LTP SD (OR EQUIV) MOUNT AT 10'-0" AFF
EL-3	WALL MOUNT, EMERGENCY LIGHT, WET LOCATIONS, 6 V, FORWARD THROW LITHONIA P/N - AFN-W-EXT-FWD (OR EQUIV) (VERIFY COLOR) MNT ABOVE EXIT DOORS
X-1	LED, EMERGENCY EXIT COMBO LIGHT, 120 V (2) 1.5 W LEDS. MOUNT ABOVE EXIT DOORS LITHONIA P/N - LHOM LED R (OR EQUIV)
S_M	MOTOR RATED SWITCH WITH OVERLOAD HEATER, 240 V, 1 PHASE, 1 HP, NEMA 1. SWITCH TO BE EATON MST02SN (OR EQUIV) WITH APPROPRIATE OVERLOAD HEATER.
S_X (X DENOTES SWITCH NUMBER)	LIGHTING CONTROL & DESIGN MANUFACTURED LOW VOLTAGE SWITCH FOR LIGHTING CONROL PANEL. SWITCH SHALL COMMUNICATE WITH LIGHTING CONTROL PANEL VIA CAT 5 CABLE AND SHALL ACCEPT RJ45 CONNECTORS. SEE LIGHTING CONTROLS DETAIL DRAWING FOR MORE INFORMATION AND PART NUMBERS.
OS-1	WALL MNT PIR OCCUPANCY SENSOR, 120 VAC, DUAL POLE. SENSOR SWITCH P/N WSX 2P (COLOR) (OR EQUIV).
LCP-1	LIGHTING CONTROL PANEL FOR REQUIRED LIGHTING SHUT-OFF. PANEL TO BE MANUFACTURERED BY LIGHTING CONTROL & DESIGN. SEE LIGHTING CONTROL DESIGN FOR DETAILS AND P/NS.

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Maintenance Building
Scott Street, Senatobia, Mississippi

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Project No.: 17-001

CAD Drawing: 17-001 A-1.02

Sheet Title: LIGHTING PLAN

Sheet No.: E1.0

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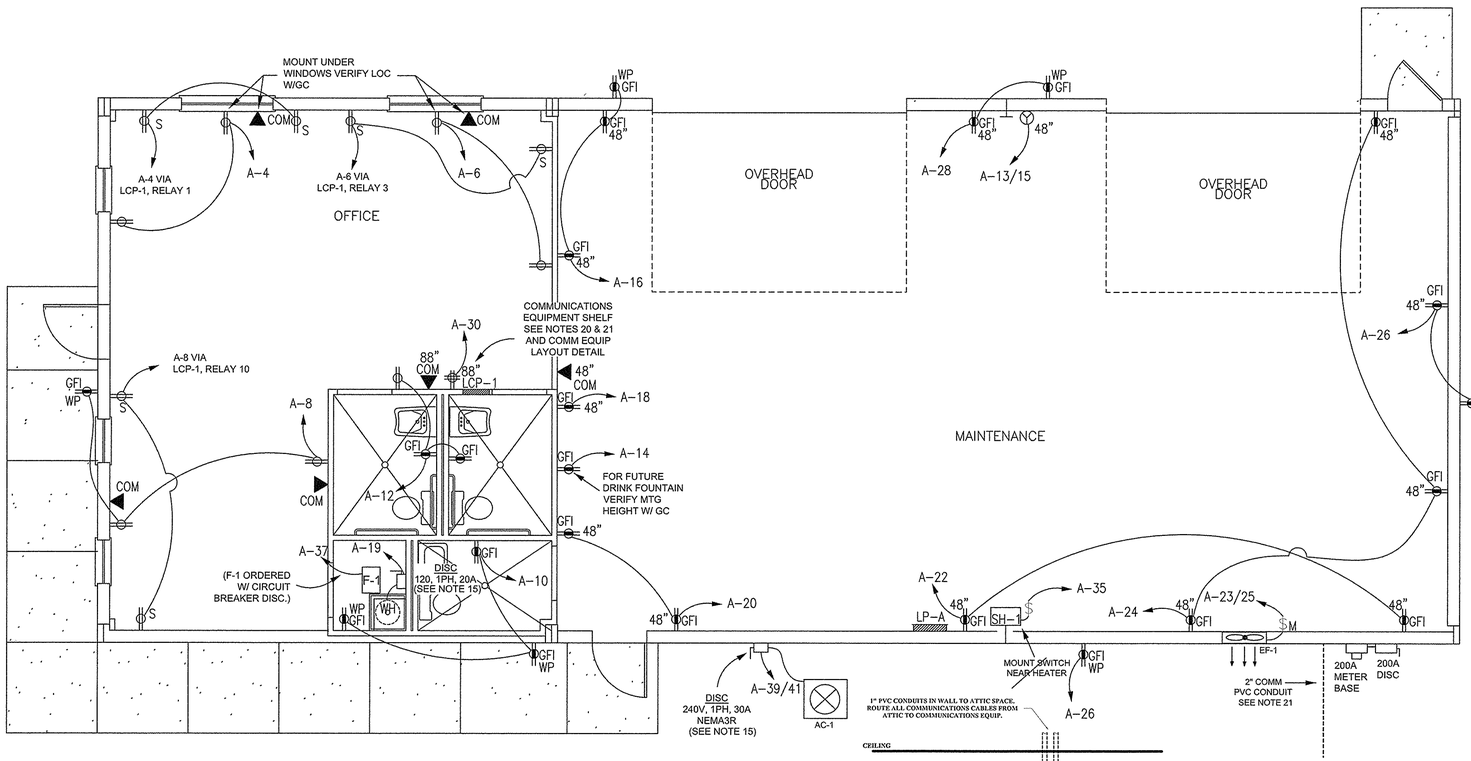

ELECTRICAL SYMBOLS

24"	115 VOLT, 20 AMP DUPLEX RECEPT. NUMBER SUBSCRIPT INDICATES HEIGHT A.F.F. IF DIFFERENT THAN STANDARD. (18" TO CENTER OF RECEPT.)
GFI	115 VOLT, 20 AMP DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER PROTECTION.
24"	115 VOLT, 20 A FOURPLEX RECEPT. NUMBER SUBSCRIPT INDICATES HEIGHT A.F.F. IF DIFFERENT THAN STANDARD. (STD - 18" TO CENTER) (VERIFY LISTED HEIGHTS W/GENERAL CONTRACTOR)
S	115 VOLT, 20 AMP DUPLEX RECEPT MARKED "CONTROLLED". RECEPTACLE TO BE CONTROLLED BY TIME SCHEDULE FROM LIGHTING CONTROL PANEL (LCP-1). NUMBER SUBSCRIPT INDICATES HEIGHT A.F.F. IF DIFFERENT THAN STANDARD. (18" TO CENTER OF RECEPT.)
WP	"WP" BY RECEPTACLE DENOTES WEATHER-RESISTENT TYPE RECEPTACLE AND WEATHER-PROOF ENCL. WET LOCATION RECEPTS MUST COMPLY W/ ART. 406.9(B)(1) OF 2014 NEC.
COM	COMBO COMMUNICATIONS WALL BOX PLATE W/ ETHERNET & PHONE. EACH LOC TO HAVE A 1/2" CONDUIT (PVC OR EMT) W/ A MIN OF (2) CAT-6 CABLES PULLED TO COMMUNICATIONS EQUIP.
	TELEPHONE OUTLET W/ STANDARD WALL JACK COVER PLATE. EACH LOC TO HAVE A 3/4" CONDUIT TO ATTIC W/ A HOME RUN CAT 5 CABLE PULLED TO COMM EQUIP BOARD & LABELED.
$M	MOTOR RATED SWITCH WITH OVERLOAD HEATER, 240 V, 1 PHASE, 1 HP, NEMA 1. SWITCH TO BE EATON MST02SN (OR EQUIV) WITH APPROPRIATE OVERLOAD HEATER.
	DISCONNECT SWITCH - ELECTRICAL CONTRACTOR TO SIZE PER 2014 NEC AND REQUIREMENTS OF ACTUAL PURCHASED EQUIPMENT. SEE NOTE 15.
	SPECIAL PURPOSE OUTLET. NUMBER OF PHASES, VOLTAGE, AND CURRENT RATING AS REQUIRED FOR SPECIFIC EQUIPMENT. ELECTRICAL CONTRACTOR TO VERIFY PROPER RECEPTACLE CONFIGURATION WITH ACTUAL PURCHASED EQUIPMENT.
LP-A	LIGHTING / POWER PANEL
TO LC1-3	CONDUIT RUN CONCEALED IN WALLS OR CEILING SPACES. ARROWS INDICATE HOMERUNS. SUBSCRIPT INDICATES PANEL AND CIRCUIT NUMBERS. GROUND CONDUCTORS ARE REQUIRED IN ALL CONDUITS.

COMMUNICATIONS EQUIP LAYOUT DETAIL

Architect's Seal:

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Project No.: 17-001

CAD Drawing: 17-001 A-1.02

Sheet Title: POWER PLAN

Sheet No.: E2.0

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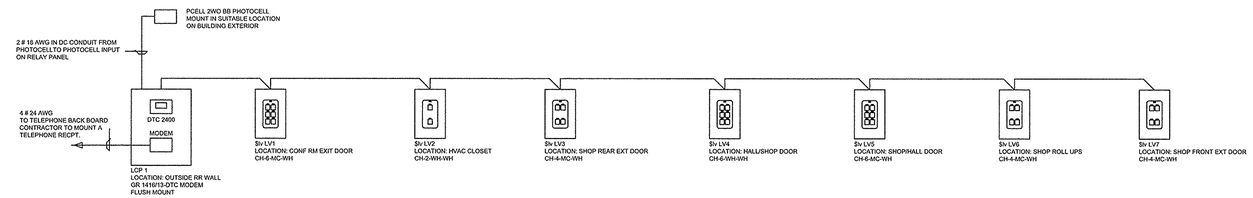


LIGHTING CONTROLS - LOW VOLTAGE SINGLE LINE

ID: LCP 1
Outside Rest Rm. wall
Supply Circuit: A - 2 Voltage: 120V Normal

Relay	Line Feed	Zone	Type	Voltage	Source	Description	Relay	Line Feed	Zone	Type	Voltage	Source	Description
1	A-4		NC	120V	Normal	Office Recepts 1	2	A-3		NC	120V	Normal	Shop Frnt 50%
3	A-6		NC	120V	Normal	Office Recepts 2	4	A-3		NC	120V	Normal	Shop Frnt 50%
5	A-7		NC	120V	Normal	Exterior Lights	6	A-5		NC	120V	Normal	Shop Rear 50%
7	A-1		NC	120V	Normal	Conf Area 33%	8	A-5		NC	120V	Normal	Shop Rear 50%
9	A-1		NC	120V	Normal	Conf Area 66%	10	A-8		NC	120V	Normal	Conf Area Recept
11	A-1		NC	120V	Normal	Office Area 33%	12	-		NC	120V	Normal	Spare
13	A-1		NC	120V	Normal	Office Area 66%	14	-		NC	120V	Normal	Spare
15	A-1		NC	120V	Normal	HVAC Closet	16	-		NC	120V	Normal	Spare

Part #: GR 1416/13-DTC MODEM
Enclosure Dimensions: 18"H x 12"W x 6"D
NEMA Rating: 1

PANEL SCHEDULE - LCP 1

PANEL	LP - A		FEEDER	
FED FROM	Service Disconnect		NUMBER OF CONDUITS	1
# CIRCUITS		40	FEEDER CONDUIT	2"
HI VOLTAGE		240	WIRE SIZE L1	# 3/0
LOW VOLTAGE		120	WIRE SIZE L2	# 3/0
PHASE		1		
DESIGN LOAD AMPS		200	WIRE SIZE NEUTRAL	# 3/0
NEUTRAL BUS		YES	WIRE SIZE GROUND	# 6
GROUND BUS		YES		
AVAILABLE FAULT CURRENT AT THIS PANEL		6,100 AMPS		
MAIN LUG ONLY				

#	BKR	CIRCUIT DESCRIPTION	VA		VA	CIRCUIT DESCRIPTION	BKR	#
1	1P-20	Emerg\Office\Conf\RR Lights&Fans	1,150	L1	480	LCP - 1 Panel Power	1P-20	2
3	1P-20	Emerg\Workshop Lights	932	L2	540	NE Office Area Recepts	1P-20	4
5	1P-20	Emerg\Workshop Lights	1,150	L1	720	SE Office Area Recepts	1P-20	6
7	1P-20	Exterior Lights	416	L2	900	Exterior\Conference Area Recepts	1P-20	8
9	1P-20	Spare		L1	540	HVAC Closet\Exterior\RR Recepts	1P-20	10
11	1P-20	Spare		L2	540	Rest Rm\Hall Recepts	1P-20	12
13	2P-30	Air Compressor	2,880	L1	720	Future Drink Fountain Recept	1P-20	14
15		==== (See Note 15) ====	2,880	L2	540	Exterior\Shop NE Corner Recepts	1P-20	16
17	1P-20	Spare		L1	540	Shop North Wall Recept	1P-20	18
19	1P-20	Water Heater (See Note 15)	1,650	L2	360	Shop NW Corner Recepts	1P-20	20
21	1P-20	Spare		L1	360	Shop West Wall Recepts	1P-20	22
23	2P-15	EF - 1	912	L2	540	Shop W\SiSE Corner Recepts	1P-20	24
25		==== (See Note 15) ====	912	L1	360	Exterior\Shop South Wall Recepts	1P-20	26
27	1P-20	Spare		L2	360	Exterior\Shop East Wall Recepts	1P-20	28
29	1P-20	Spare		L1	360	Communications Equip Recepts	1P-20	30
31		Blank Space		L2		Blank Space		32
33	1P-15	SH - 1 (See Note 15)	288	L1		Blank Space		34
35	1P-15	F - 1 (See Note 15)	840	L2		Blank Space		36
37	2P-25	AC - 1	1,400	L1		Blank Space		38
39		==== (See Note 15) ====	1,400	L2		Blank Space		40

ID: LV1
Part #: CH-6-MC-WH
Location: Conf Rm Ext Door

Button	Name	Function	Zone Controlled	Color	Line 1	Line 2
1	BUTTON 1	Toggle	LCP 1-15	White	ON/OFF	1
2	BUTTON 2	Toggle	LCP 1-7	White	ON/OFF	2
3	BUTTON 3	Toggle	LCP 1-15	White	ON/OFF	3
4	BUTTON 4	Toggle	LCP 1-15	White	ON/OFF	4
5	BUTTON 5	Toggle	LCP 1-15	White	ON/OFF	ALL OFF
6	BUTTON 6	ON Mode	LCP 1-15 ALL	White	ON/OFF	ALL OFF

SWITCH SCHEDULE - LV1

ID: LV2
Part #: CH-2-WH-WH
Location: HVAC CLOSET

Button	Name	Function	Zone Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 1-15	White	CLOSET	ON
2	BUTTON 2	Off Mode	LCP 1-15	White	CLOSET	OFF

SWITCH SCHEDULE - LV2

ID: LV3
Part #: CH-4-MC-WH
Location: SHOP REAR EXT DOOR

Button	Name	Function	Zone Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 1-15	White	SHOP	50%
2	BUTTON 2	On Mode	LCP 1-7,8,9,10	White	SHOP	ALL ON
3	BUTTON 3	On Mode	LCP 1-7,8,9,10	Red	SHOP	ALL ON
4	BUTTON 4	Off Mode	LCP 1-7,8,9,10	Black	SHOP	ALL OFF

SWITCH SCHEDULE - LV3

ID: LV4
Part #: CH-6-WH-WH
Location: HALL/SHOP DOOR

Button	Name	Function	Zone Controlled	Color	Line 1	Line 2
1	BUTTON 1	Toggle	LCP 1-15	White	ON/OFF	1
2	BUTTON 2	Toggle	LCP 1-15	White	ON/OFF	2
3	BUTTON 3	Toggle	LCP 1-15	White	CONF	3
4	BUTTON 4	Toggle	LCP 1-7	White	SHOP	50%
5	BUTTON 5	Toggle	LCP 1-7,8,9,10	White	SHOP	50%

SWITCH SCHEDULE - LV4

ID: LV5
Part #: CH-6-MC-WH
Location: SHOP/HALL DOOR

Button	Name	Function	Zone Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 1-7,8,9	White	SHOP	50%
2	BUTTON 2	On Mode	LCP 1-6,8	White	SHOP	50%
3	BUTTON 3	On Mode	LCP 1-7,8,9,10	White	SHOP	ALL ON
4	BUTTON 4	Toggle	LCP 1-15	White	ON/OFF	4
5	BUTTON 5	Off Mode	LCP 1-7,8,9,10,15	Black	SHOP	ALL OFF
6	BUTTON 6	Off Mode	LCP 1-7,8,9,10	Black	SHOP	ALL OFF

SWITCH SCHEDULE - LV5

ID: LV6
Part #: GH-4-MC-WH
Location: SHOP ROLL UPS

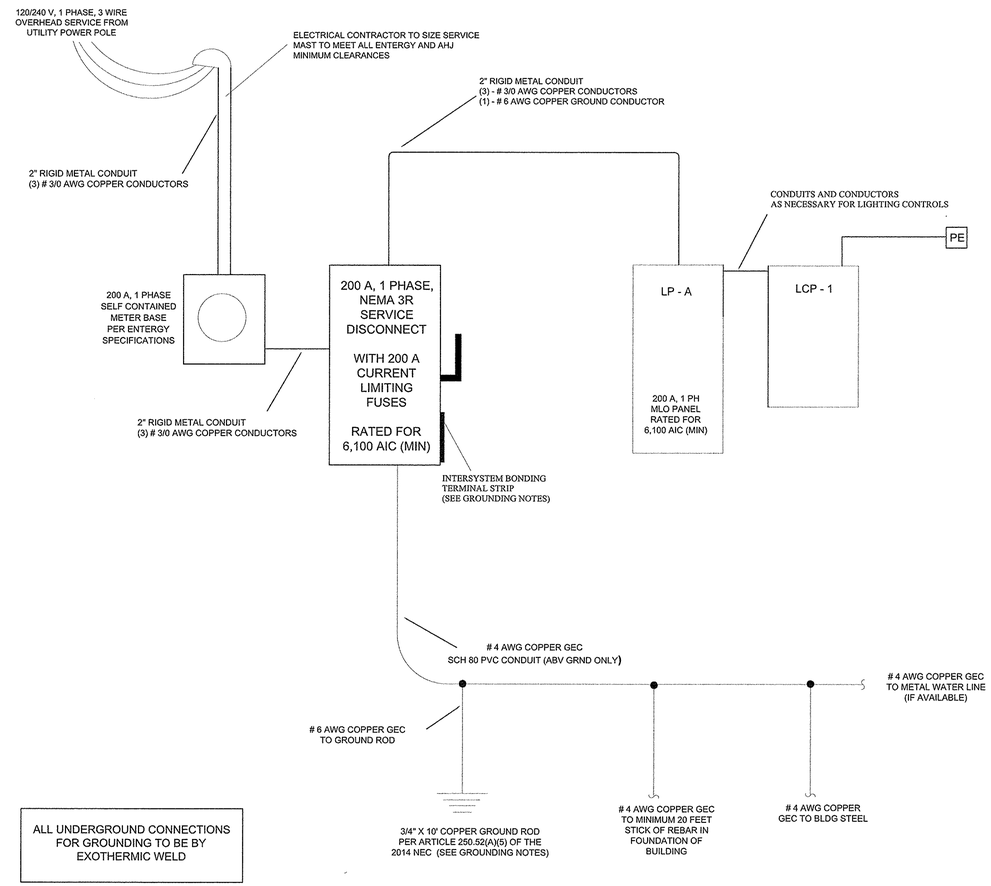
Button	Name	Function	Zone Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 1-7,8	White	SHOP	50%
2	BUTTON 2	On Mode	LCP 1-6,8	White	SHOP	50%
3	BUTTON 3	On Mode	LCP 1-7,8,9,10	Red	SHOP	ALL ON
4	BUTTON 4	Off Mode	LCP 1-7,8,9,10	Black	SHOP	ALL OFF

SWITCH SCHEDULE - LV6

ID: LV7
Part #: CH-4-MC-WH
Location: SHOP FRONT EXT DOOR

Button	Name	Function	Zone Controlled	Color	Line 1	Line 2
1	BUTTON 1	On Mode	LCP 1-7,8	White	SHOP	50%
2	BUTTON 2	On Mode	LCP 1-6,8	White	SHOP	50%
3	BUTTON 3	On Mode	LCP 1-7,8,9,10	Red	SHOP	ALL ON
4	BUTTON 4	Off Mode	LCP 1-7,8,9,10	Black	SHOP	ALL OFF

SWITCH SCHEDULE - LV7



ALL UNDERGROUND CONNECTIONS
FOR GROUNDING TO BE BY
EXOTHERMIC WELD

ELECTRICAL RISER (NOT TO SCALE)

GROUNDING NOTES: (ARTICLE 250 OF THE 2014 NEC)

- AT THE SERVICE DISCONNECT, THE GROUNDED CONDUCTOR (NEUTRAL) SHALL BE CONNECTED TO THE GROUNDING CONDUCTOR (GROUND). THIS SHALL BE THE ONLY PLACE THE NEUTRAL SHALL BE GROUNDED. THE NEUTRAL AND GROUND SHALL BE SIZED AS LISTED ON THE ELECTRICAL RISER DIAGRAM.
- A MAIN BONDING JUMPER, # 4 AWG COPPER, SHALL BE INSTALLED AT THE SERVICE DISCONNNECT TO BOND THE SERVICE ENCLOSURE TO THE NEUTRAL AND GROUND.
- ALL METAL RACEWAYS AND ENCLOSURES ON THE SUPPLY SIDE OF THE SERVICE DISCONNECT(S) SHALL BE BONDED TOGETHER AND TO GROUND WITH BONDING JUMPERS SIZED PER ARTICLE 250.102 (C) OF THE 2014 NEC.
- ALL METAL RACEWAYS AND ENCLOSURES ON THE LOAD SIDE OF THE SERVICE DISCONNECT(S) SHALL BE BONDED TOGETHER AND TO GROUND WITH BONDING JUMPERS SIZED PER ARTICLE 250.102 (D) OF THE 2014 NEC. (IF NECESSARY)
- INTERIOR HOT AND COLD WATER PIPES SHALL BE BONDED TO THE GROUNDING CONDUCTOR BUS AT THE SERVICE DISCONNECT WITH A # 4 AWG BONDING JUMPER.
- ALL METAL GAS PIPING (WHEN GAS SERVICE IS USED) SHALL BE BONDED TO THE GROUNDING CONDUCTOR BUS AT THE SERVICE DISCONNECT WITH A # 6 AWG BONDING JUMPER.
- WATER METERS, FILTERING DEVICES, ETC. SHALL HAVE # 4 AWG BONDING JUMPERS TO PROVIDE CONTINUITY DURING REMOVAL FOR SERVICING.
- PROVIDE INTERSYSTEM BONDING STRIP ON THE OUTSIDE OF THE MAIN DISCONNECT. BONDING STRIP SHALL BE BONDED TO MAIN GROUND BUS INSIDE MAIN DISCONNECT ENCLOSURE WITH A # 6 AWG COPPER.
- PROVIDE SOLID COPPER BONDING JUMPER FROM INTERSYSTEM BONDING TERMINAL STRIP TO ANY COMMUNICATIONS SERVICE ENTRY EQUIPMENT (AS APPLICABLE) AND BOND TO EQUIPMENT GROUND FOR EACH.
- PROVICE # 6 AWG COPPER BONDING JUMPER FROM INTERSYSTEM BONDING TERMINAL STRIP TO COMMUNICATIONS EQUIPMENT INSIDE BUILDING. ROUTE GROUND IN PVC CONDUIT WITH COMMUNICATIONS CABLES.

SERVICE NOTES:

- ALL SERVICE ENTRANCE CONDUCTORS SHALL BE STRANDED COPPER WITH 90 DEGREE CENTIGRADE INSULATION.
- ALL SERVICE DISCONNECT FUSES SHALL BE CURRENT LIMITING TYPE FUSES.
- ALL ELECTRICAL EQUIPMENT INCLUDING MAIN DISCONNECT, METER BASE, LOAD PANELS, BRANCH BREAKERS, ETC. SHALL BE RATED FOR THE AVAILABLE FAULT CURRENT AT THE EQUIPMENT. BASED ON AN INFINITE BUS AND 25' OF #1/0 ALUMINUM TRIPLEX, THE AVAILABLE FAULT CURRENT AT THE SERVICE DISCONNECT AND LP-A IS 6,100 AMPS. LABEL SERVICE EQUIPMENT PER ARTICLE 110.24 OF THE 2014 NEC. THIS CURRENT IS BASED ON AN INFINITE BUS AND MUST NOT BE USED TO CALCULATE ARC FLASH INCIDENT ENERGY OR PROPER PPE FOR DOING ENERGIZED WORK.
- THE EQUIPMENT MAY BE EITHER FULLY RATED OR SERIES RATED FOR THE AVAILABLE FAULT CURRENT. IF SERIES RATED EQUIPMENT IS UTILIZED, THE INSTALLER IS RESPONSIBLE FOR SPECIFYING THE PROPER EQUIPMENT AND ENSURING COMPLIANCE WITH ARTICLES 110.22 & 240.86 (B) & (C) OF THE 2014 NEC.
- ELECTRICAL CONTRACTOR SHALL FURNISH A NAMEPLATE FOR ALL ELECTRICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO: SERVICE DISCONNECTS, LIGHTING/POWER PANELS, DISCONNECT SWITCHES, ETC.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH LOCAL UTILITY PROVIDER FOR SERVICE CONNECTIONS AND IS RESPONSIBLE FOR ALL ASSOCIATED COSTS.
- ELECTRICAL CONTRACTOR SHALL VERIFY OVERHEAD SERVICE REQUIREMENTS WITH UTILITY PROVIDER BEFORE INSTALLATION.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ENSURING SERVICE INSTALLATION MEETS ALL REQUIREMENTS, CLEARANCES, AND SPECIFICATIONS OF LOCAL UTILITY PROVIDER, LOCAL AHJ, AND THE 2014 NEC.
- MAIN DISCONNECT SHALL BE RATED AS SERVICE EQUIPMENT AND FOR INSTALLATION IN WET LOCATIONS.
- ELECTRICAL CONTRACTOR SHALL PURCHASE AND INSTALL ARC FLASH HAZARD WARNING LABELS ON MAIN DISCONNECT ENCLOSURE AND LOAD PANELS PER ARTICLE 110.16 OF THE 2014 NEC.
- ALL ABOVE GOROUND SERVICE ENTRANCE CONDUITS SHALL BE RIGID GALVANIZED STEEL CONDUIT. ALL UNDERGROUND SERVICE ENTRANCE CONDUITS SHALL BE BURIED AT A MINIMUM DEPTH OF 36" TO THE TOP OF THE CONDUIT. PROVIDE A WARNING RIBBON IN TRENCH 12" ABOVE ALL UNDERGROUND SERVICE CONDUITS PER ARTICLE 300.5(D)(3) OF THE 2014 NEC.

03 09 17 JRE

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Sheet Title: SEPCIFICATIONS & DETAILS
Sheet No.: E3.0

ELECTRICAL INSTALLATION NOTES

1. ALL ELECTRICAL WORK MUST MEET ALL NATIONAL, STATE, AND LOCAL CODES. ELECTRICAL CONTRACTOR SHALL VERIFY ALL LOCAL CODE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION (AHJ) ARE MET BEFORE SUBMITTING BID. IF ADDITIONAL ITEMS ARE REQUIRED, THESE ITEMS SHALL BE INCLUDED IN BID.
2. ALL CONDUCTORS SHALL BE TYPE THHN/THWN (ABOVE/BELOW GROUND) COPPER.
3. ALL WIRING TO BE IN CONDUIT. PVC WILL BE ALLOWED UNDER SLAB ONLY. FLEX CONDUIT SHALL NOT BE INSTALLED IN VISABLE AREAS EXCEPT AS REQUIRED FOR EQUIPMENT HOOK-UPS.
4. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED PER ARTICLE 310.15 OF THE 2014 NEC. THE 75 DEG C COLUMN OF TABLE 310.15(B)(16) SHALL BE USED. ALSO SIZE CONDUCTORS FOR A MAXIMUM OF 3% VOLTAGE DROP FOR INSTALLED CONDUCTOR LENGTH. IF MORE THAN 3 CURRENT CARRYING CONDUCTORS ARE INSTALLED IN A CONDUIT, CONTRACTOR MUST SIZE CONDUCTOR AFTER DE-RATING CONDUCTOR AMPACITY PER ARTICLE 310.15(B)(3) OF THE 2014 NEC.
5. EACH BRANCH CIRCUIT SHALL HAVE AN INDIVIDUAL EQUIPMENT GROUNDING CONDUCTOR SIZED PER ARTICLE 250.122 OF THE 2014 NEC.
6. ALL WALL BOXES TO BE METAL BOXES WITH APPROVED FITTINGS FOR CONNECTION TO CONDUIT. COVERS SHALL COMPLETELY HIDE ALL CUTOUTS.
7. UNLESS OTHERWISE SPECIFIED, MOUNT OUTLET BOX AT:
   A. SWITCH - 45" TO CENTER OF BOX
   B. RECEPTACLE AND TELEPHONE - 18" TO CENTER OF BOX
   LOCATIONS FOR DEVICES INDICATED ON DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES. DO NOT SCALE DRAWING FOR EXACT LOCATIONS. VERIFY EXACT LOCATIONS WITH GENERAL CONTRACTOR.
8. ALL OUTLETS FOR LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF GRID TYPE CEILING SYSTEMS (WHERE APPLICABLE) USING ¼" ALL THREAD ROD OR APPROPRIATE SUPPORT WIRES.
9. ALL LIGHTING AND POWER PANELS TO RECEIVE A TYPED LAMINATED LABEL AT END OF JOB. ELECTRICAL CONTRACTOR SHALL LIST SPECIFIC AREAS SERVED BY LIGHTING AND RECEPTACLE CIRCUITS. ALL PANELS SHALL ALSO BE LABELED INDICATING THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES. ALL PANELS SHALL HAVE PAINTABLE, LOCKABLE FRONT COVERS.
10. EMERGENCY LIGHTS SHALL BE ON SAME CIRCUIT AS ROOM LIGHTING, AHEAD OF LIGHT SWITCH.
11. ALL NON-IC RATED FIXTURES SHALL BE INSTALLED PER ARTICLE 410.116 (A) & (B) OF THE 2014 NEC.
12. ALL FLUORESCENT FIXTURES UTILIZING DOUBLE-ENDED LAMPS SHALL HAVE A MANUFACTURER SUPPLIED DISCONNECT DEVICE MEETING ALL THE REQUIREMENTS OF ARTICLE 410.130(G) OF THE 2014 NEC.
13. ALL GENERAL PURPOSE 120 V RECEPTACLES TO BE RATED AT 20 AMPS.
14. RECEPTACLES INSTALLED IN WET LOCATIONS SHALL BE A LISTED WEATHER-RESISTANT TYPE AND SHALL HAVE A WEATHERPROOF COVER COMPLING WITH ARTICLE 406.9(B) OF THE 2014 NEC.
15. EQUIPMENT/APPLIANCES (HVAC, FANS, ETC.):
   A. VERIFY LOCATION AND METHOD OF CONNECTION TO ALL EQUIPMENT WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
   B. FOR ALL ELECTRICAL AND HVAC EQUIPMENT/APPLIANCES, ELECTRICAL CONTRACTOR MUST VERIFY ALL BREAKERS, DISCONNECTS, RECEPTACLES, ETC. MEET MANUFACTURER'S REQUIREMENTS FOR PROPER PHASE, VOLTAGE, CURRENT, AND MAXIMUM OVERCURRENT PROTECTION RATINGS OF ACTUAL PURCHASED EQUIPMENT. ALL BREAKERS FEEDING HVAC OR REFRIGERATION EQUIPMENT SHALL BE "HACR" BREAKERS.
   C. DISCONNECTS SHALL BE SIZED PER THE 2014 NEC FOR 115% OF THE FLA AND THE HORSEPOWER OF THE ACTUAL PURCHASED EQUIPMENT. IF THE EQUIPMENT MANUFACTURER SPECIFIES FUSES, A FUSED DISCONNECT MUST BE USED.
   D. DISCONNECTS SHALL BE SOLIDLY MOUNTED TO NEARBY WALL OR OTHER SUITABLE STRUCTURE NEAR EQUIPMENT.
   E. ALL EQUIPMENT/APPLIANCES MUST BE CAPABLE OF OPERATING ON SINGLE PHASE 120 V OR 240 V.
   F. FOR ALL MECHANICAL EQUIPMENT, FURNISH AND INSTALL BOXES, RACEWAY, AND CABLE FOR POWER AND CONTROLS. VERIFY REQUIRED LOCATIONS WITH MECHANICAL CONTRACTOR.
   G. SEE THE MECHANICAL DRAWINGS FOR THE LOCATIONS AND ELECTRICAL CHARACTERISTICS OF THE HVAC EQUIPMENT.
16. OFFICE/ CONFERENCE AREA LIGHTING SHALL BE WIRED FOR BI-LEVEL LIGHTING CONTROL. TWO RELAYS IN THE LIGHTING CONTROL PANEL SHALL CONTROL 2 LAMPS IN ONE FIXTURE AND 1 LAMP IN THE ADJACENT FIXTURE. TWO OTHER RELAYS IN THE LIGHTING CONTROL PANEL SHALL CONTROL THE REMAINING LAMPS IN THE FIXTURES.
17. WORKSHOP AREA LIGHTING SHALL BE WIRED FOR BI-LEVEL LIGHTING CONTROL. TWO RELAYS IN THE LIGHTING CONTROL PANEL WILL CONTROL ONE OF THE THREE LAMP BALLASTS IN EACH FIXTURE. TWO OTHER RELAYS IN THE LIGHTING CONTROL PANEL WILL CONTROL THE OTHER THREE LAMP BALLASTS IN EACH FIXTURE.
18. ELECTRICAL CONTRACTOR SHALL PROVIDE LIGHTING CONTROL PANEL (LCP-1) AND ALL ASSOCIATED DIGITAL CONTROL SWITCHES AND PHOTOCELL TO PROVIDE LIGHTING SHUT-OFF REQUIRED BY ASHRAE 90.1 - 2010 ENERGY CODE. ALL MANUFACTURER'S INSTALLATION REQUIREMENTS AND SPECIFICATIONS SHALL BE MET. ELECTRICAL CONTRACTOR SHALL WORK WITH LIGHTING CONTROL & DESIGN (LC&D) OR MANUFACTURER'S AUTHORIZED REPRESENTATIVE TO PROVIDE A COMPLETE INSTALLED AND PROGRAMMED SYSTEM. SEE LIGHTING CONTROL PANEL SINGLE LINE DRAWINGS, ASSOCIATED SCHEDULES, AND DIVISION 16 SPECIFICATIONS FOR MORE DETAILS.
19. ALL LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCHES SHALL BE CONNECTED TO THE LC&D (OR EQUIVALENT) CONTROL PANEL IN DAISY-CHAIN FASHION WITH CAT-5 CABLE AND RJ-45 CONNECTORS. ALL CAT-5 CABLE IN WALLS OR EXPOSED SHALL BE INSTALLED IN LOW VOLTAGE CONDUIT, SEPARATE FROM ALL AC WIRING. IN SPACE ABOVE DROP CEILING, CAT-5 CABLES MAY BE INSTALLED, SUPPORTED, AND SECURED USING CONDUIT OR USING CADDY RINGS, "J" HOOKS, OR EQUIVALENT CABLE MANAGEMENT SYSTEM. CABLE MANAGEMENT SYSTEM SHALL PROVIDE SEPARATION FROM AC WIRING. ALL MANUFACTURER'S INSTALLATION REQUIREMENTS AND SPECIFICATIONS SHALL BE MET. ROUTE CABLES TO AVOID ALL ELECTRICAL AND HVAC EQUIPMENT AND CONDUITS. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL BUS BOOSTER IF REQUIRED BY LIGHTING CONTROL & DESIGN (LC&D) BASED ON THE NUMBER OF SWITCHES AND INSTALLED CABLE LENGTH. IF NECESSARY, MOUNT BUS BOOSTER IN APPROPRIATELY SIZED ELECTRICAL ENCLOSURE ABOVE CEILING.
20. AT COMMUNICATIONS EQUIPMENT LOCATION ON WALL BETWEEN RESTROOMS, (2) FLUSH MOUNTED 4"X4" OUTLET BOXES SHALL BE INSTALLED AT 7'-4" AFF TO BOTTOM OF BOX. ONE OUTLET BOX SHALL HAVE (2) 1" PVC CONDUITS ROUTED IN WALL TO ATTIC SPACE FOR ALL OUTGOING COMMUNICATION CABLES. THE SECOND OUTLET BOX SHALL HAVE (1) 2" PVC CONDUIT ROUTED IN THE WALL AND UNDERSLAB TO BUILDING EXTERIOR AT THE POINT OF SERVICE ENTRY FOR ALL COMMUNICATIONS SERVICES (PHONE, INTERNET, ETC.). ELECTRICAL CONTRACTOR SHALL COORDINATE WITH COMMUNICATION SERVICES PROVIDERS AND PROIDE NECESSARY CABLING IN 2" CONDUIT AS WELL AS #6 AWG INSULATED BONDING CONDUCTOR FROM INTERSYSTEM BONDING STRIP AT ELECTRICAL SERVICE DISCONNECT. SEAL EXTERIOR INCOMING CONDUIT WITH DUCT SEAL. ALL ELBOWS SHALL BE LONG SWEEP TYPE FITTINGS. ON 4"X4" OUTLET BOXES, PROVIDE BLANK COVER PLATES WITH HOLES FOR ALL CABLES TO EXIT BOXES AND CONNECT TO COMMUNICATIONS EQUIPMENT AS NECESSARY. GENERAL CONTRACTOR SHALL PROVIDE A SHELF FOR MODEM, ROUTER, ETC. MOUNTED AT 7'-0" AFF. SEE COMMUNICATIONS EQUIPMENT DETAIL.
21. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A 2" PVC INCOMING COMMUNICATIONS CONDUIT WITH A LONG SWEEP ELBOW AND STUB OUT 5' BEYOND FOUNDATION. CONDUIT SHALL TERMINATE ON BUILDING EXTERIOR WALL AT LOCATION OF PHONE/INTERNET PROVIDER SERVICE ENTRANCE. A 2" PVC CONDUIT SHALL STUB UP FROM UNDERSLAB NEAR THIS SAME LOCATION AND ROUTE TO COMMUNICATIONS EQUIPMENT LOCATION DESCRIBED IN NOTE ABOVE. COORDINATE PHONE/INTERNET SERVICE CONNECTION WITH LOCAL SERVICE PROVIDER. ALL PHONE AND INTERNET EQUIPMENT TO BE SPECIFIED BY SERVICE PROVIDER OR SUB-CONTRACTOR. GENERAL CONTRACTOR SHALL COORDINATE NEEDED EQUIPMENT WITH OWNER/PROVIDERS AND SUPPLY ALL EQUIPMENT. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH SUPPLIER AND/OR SUBCONTRATOR TO INSTALL ALL NECESSARY EQUIPMENT AND CABLING AND TO MAKE ALL CONNECTIONS FOR A COMPLETE WORKING SYSTEM.
22. EACH TELEPHONE AND OR INTERNET LOCATION SHALL HAVE AN OUTLET BOX WITH A 1" CONDUIT FROM BOX TO CEILING SPACE. APPROPRIATE CABLES SHALL BE INSTALLED FROM EACH OUTLET BOX TO COMMUNICATIONS EQUIPMENT LOCATION. IN CEILING SPACE ABOVE CEILING TILES, CADDY RINGS OR EQUIVALENT SHALL BE USED TO ORGANIZE AND SUPPORT ALL COMMUNICATIONS CABLES.
23. ANY ADDITIONAL SITE AREA LIGHTING TO BE DESIGNED BY OTHERS. LIGHTING SHALL MEET THE ENERGY CODE REQUIREMENTS OF ASHRAE 90.1 - 2010.
24. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SERVICE CONNECTION WITH ELECTRICAL UTILITY PROVIDER AND ALL ASSOCIATED COSTS.
25. IF REQUIRED, ALL PHONE, INTERNET, CATV, ALARM, AND SOUND SYSTEMS TO BE DESIGNED BY OTHERS.

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Project Title:
SENATOBIA SPORTS PARK
Maintenance Building
Scott Street, Senatobia, Mississippi

Final Issue Date: March 9, 2017

Revisions:

Mark	Date	Description

Project No.: 17-001

CAD Drawing: 17-001 A-1.02

Sheet Title: SEPCIFICATIONS & DETAILS

Sheet No.: E3.1

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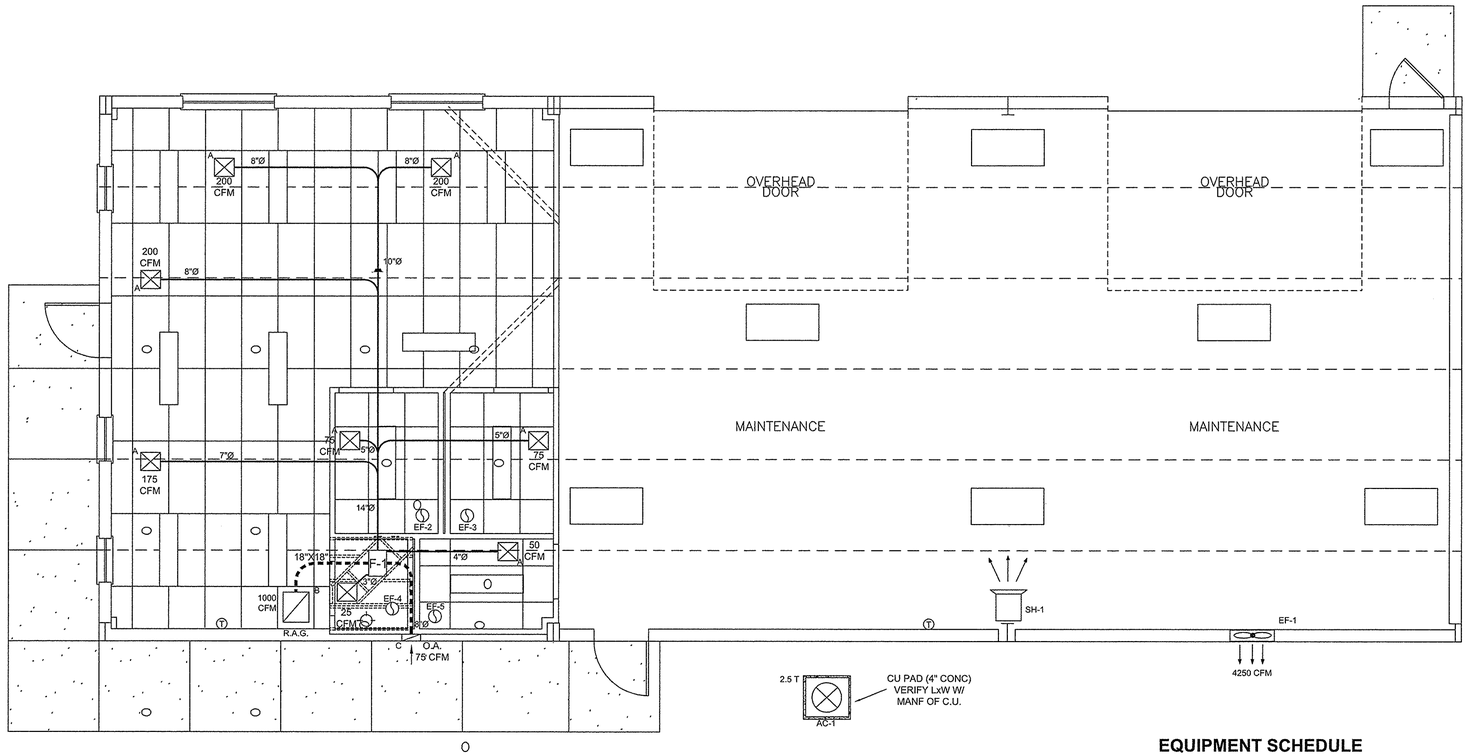

HVAC MECHANICAL KEY

- cfm — Duct Outlet Grill
- r.a.g. t.g. — Return Air Grill or Transfer Grille
- 8"ϕ — Round Duct & Size (in. dia.)
- 18"X16" — Rectangular Duct & Size (in. X in.)
- 12"ϕ 8"ϕ — Duct Reducer
- AC-1 — Outside Unit
- F-1 — Inside Furnace/Air Handler/Fan Coil
- o.a. — Outside Air Ventilation Grill
- T — Thermostat
- EF-1 — Exhaust Fan
- SH-1 — Space Heater Unit
- EF-1 — Wall Exhaust Fan

MECHANICAL NOTES

Maintenance Building, Senatobia, MS

1) TAPE & SCREW ALL ROUND DUCT JOINTS.
2) USE FLEXIBLE DUCT AT REGISTER OPENINGS ONLY, MAXIMUM RUN OF 3'0".
3) INSULATE ALL ROUND DUCTS W/ 2" EXTERNAL FOIL FACE FIBERGLASS WITH 100% VAPOR BARRIER INSULATION.
4) EXPAND ALL RECTANGULAR DUCT SIZES BY 2" & INSULATE W/1" THICK 2# DENSITY INTERNAL DUCT LINER OR SIZE ALL EXACTLY AS INDICATED AND EXTERNALLY INSULATE.
5) DUCTWORK SHALL BE MINIMUM 26 GAUGE GALVANIZED STEEL AND MEET S.M.A.C.N.A. STANDARDS.
6) COORDINATE THE INSTALLATION OF THE SUPPLY DIFUSERS AND RETURN AIR GRILLES TO AVOID ANY INTERFERENCE WITH LIGHT FIXTURES.
7) REFRIGERANT PIPING TO BE TYPE ARC COPPER TUBING. INSULATE W/3/8" "ARMAFLEX".
8) THERMOSTATS SHALL BE MOUNTED ON THE WALL WITH TOP OF DEVICE 48" MAXIMUM ABOVE FINISHED FLOOR.
9) PROVIDE GAS VENT/INTAKE COMBISTION AIR ROOF TERMINATION KIT FOR FURNACES AS NECESSARY (REFER TO FURNACE INSTALLATION INSTRUCTIONS AND/OR MECHANICAL CODE FOR PROPER VENTING PROCEDURES).
10) EACH BRANCH TAKEOFF TO REGISTER SHALL HAVE A VOLUME CONTROL DAMPER.
11) PROVIDE OUTSIDE AIR DUCT TO EACH AIR HANDLING UNIT SIZED AS INDICATED WITH A MANUAL DAMPER TO SUPPLY THE INDICATED AMOUNT OF OUTSIDE AIR.
12) EXHAUST FAN EF-1 TO BE INSTALLED WITH THE TOP OF THE FAN FRAME APPROXIMATELY ONE FOOT FROM THE TOP OF THE WALL AND WITH A LOCAL ON/OFF SWITCH.
13) SPACE HEATER (SH-1) TO BE INSTALLED WITH THE TOP OF THE FAN FRAME APPROXIMATELY ONE FOOT FROM THE TOP OF THE WALL.
14) THE CONTRACTOR SHALL BALANCE THE SYSTEM TO THE CFM SPECIFIED IN THE DRAWINGS. NOTE: ADJUSTMENTS TO FLOW RATES SPECIFIED MAY BE NECESSARY TO PROVIDE COMFORT FINE TUNING DUE TO HEAT GAIN VARIATION FROM DESIGN.
15) ANY CHANGES TO THE DUCT DUE TO FIELD CHANGES AND/OR RESTRAINTS SHALL BB MADE ONLY IF THE DUCT SIZE FREE AREA CAN BE MAINTAINED. ALL CHANGES SHALL BE APPROVED BY THE ARCHITECT AND/OR ENGINEER PRIOR TO INSTALLATION.
16) ALL DUCT HANGERS AND SUPPORTS SHALL BE IN ACCORDANCE WITH SECTION IV OF THE "HVAC CONSTRUCTION STANDARD" AS PUBLISHED BY S.M.A.C.N.A.
17) AFTER START-UP, CHECK ALL EQUIPMENT FOR VIBRATIONS AND NOISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING THE SITUATION IMMEDIATELY.
18) UNDER CUT ALL NECESSARY DOORS ONE INCH TO PROVIDE THE REQUIRED RETURN AIR FLOW OR PROVIDE TRANSFER GRILL AS INDICATED.
19) ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE MECHANICAL, PLUMBING, & ELECTRICAL CODES THE AUTHORITIES HAVING JURISDICTION. ALL WORK SHALL BE PERFORMED FY EXPERIENCED MECHANICS IS A PROFESSIONAL MANNER TO PROVIDE SYSTEMS COMPLETE AND READY OT OPERATE.
20) ALL EQUIPMENT, DUCT WORK, AND PIPING SHALL HAVE PROPER SUPPORT ADEQUATE FOR THE APPROPRIATE SEISMIC ZONE APPLICATION.

EQUIPMENT SCHEDULE

Date: 3/21/2017
Project: Maintenance Bldg Senatobia, MS
File: HVACES1705r

TAG	FURNACE/AIR HANDLER MODEL	SUPPLY FAN HP	SUPPLY FAN CFM	SP	VOLTAGE	HEAT IN BTUH	HEAT OUT BTUH	MIN. CIR. AMPACITY	MAX CIR. BREAK. SIZE	COOL COIL MODEL	COND. UNIT MODEL
AC-1	58DLA04510012 [VF]	1/5	1,200	0.50	120V/1PH/60HZ	42,000	34,000	7.0	15	CAPMP3014ACA	24ABB324A--3
SH-1	REZNOR UDAS-45	0.06	630	0.125	120V/1PH/60HZ	45,000	37,000	2.4	15	--	--
	TOTALS		1,830			87,000	71,000	9.4			

	EXHAUST FAN							FLA			
EF-1	COOK 24XLW	3/4	4,250	0.250	208V/1PH/60HZ			7.6	(thru wall)	(150 lbs) Maint Area	MARK
EF-2	BROAN XB80	---	80	0.125	120V/1PH/60HZ			0.1	(6" duct)	M Tlt	A
EF-3	BROAN XB80	---	80	0.125	120V/1PH/60HZ			0.1	(6" duct)	W Tlt	B
EF-4	BROAN XB50	---	50	0.125	120V/1PH/60HZ			0.1	(4" duct)	Utility	C
EF-5	BROAN XB50	---	50	0.125	120V/1PH/60HZ			0.1	(4" duct)	Tlt (Maint.)	
	TOTALS		4,510					8.0			

All equipment specified, or equivalents, should be used.

EQUIPMENT NOTES:

1. SPECIFIED AC UNIT #1 IS A CARRIER 'SPLIT' TYPE 13 SEER, R-410a SYSTEM WITH A VERTICAL FLOW 80+ GAS FURNACE AND TIN PLATED EVAPORATED A-COILS.
2. ACCESSORIES ARE TO INCLUDE COMPRESSOR START ASSIST - CAPACITOR & RELAY AND CYCLE PROTECTION.
3. FURNACE UNIT (F-1) TO HAVE AN INTERNAL CIRCUIT BREAKER.
4. THERMOSTAT SHALL BE CARRIER MODEL TP-PAC01.
5. SPECIFIED SPACE HEATER SH-1 IS A REZNOR GAS FIRED, POWER-VENT, LOW STATIC AXIAL FAN UNIT TYPE HEATER WITH REMOTE WALL THERMOSTAT (Reznor CL5B).
6. SPECIFIED EXHAUST FAN EF-1 IS A COOK WALL FAN WITH STD DISCONNECT, WALL COLLAR, GRAVITY SHUTTER (GALV)-27, EPOXY POWDER.
7. AC (AC-1) Intended for outdoor installation with free air inlet and outlet. Outdoor fan external static pressure available is less than 0.01-in. wc.
8. Minimum outdoor operating air temperature for cooling mode without low-ambient operation accessory is 55°F (12.8°C).
9. Maximum outdoor operating air temperature for cooling mode is 125°F (51.7°C), except some 3-phase models is 115°F (46.7°C).
10. Minimum outdoor operating air temperature for heating mode is -30°F (-34.4°C).
11. Maximum outdoor operating air temperature for heating mode is 66°F (18.9°C).
12. For reliable operation, unit should be level in all horizontal planes.
13. Maximum elevation of indoor coil above or below base of outdoor unit is: indoor coil above = 50 ft, indoor coil below = 150 ft.
14. For interconnecting refrigerant tube lengths greater than 50 ft, consult Residential Split System Long-Line Application Guideline available from equipment distributor.
15. For more than 36 in. of refrigerant tube buried in the ground, consult your local distributor.
16. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.
17. Mix matches of indoor coil capacity more than 1 size larger than outdoor unit capacity may result in inadequate

1 M1.0 HVAC PLAN
1/4"= 1'-0"

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Project Title:

SENATOBIA SPORTS PARK
Maintenance Building
Scott Street, Senatobia, Mississippi

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Project No.: 17-001 NST
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Sheet Title: HAVC
Sheet No.: M1.0

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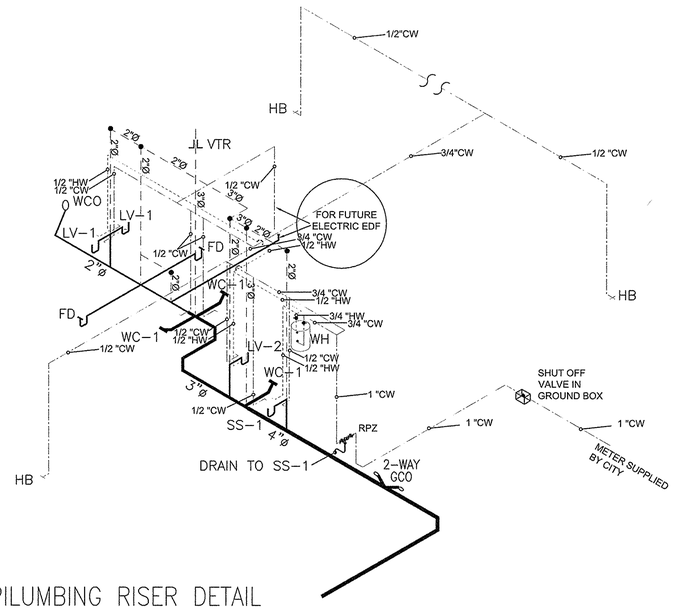
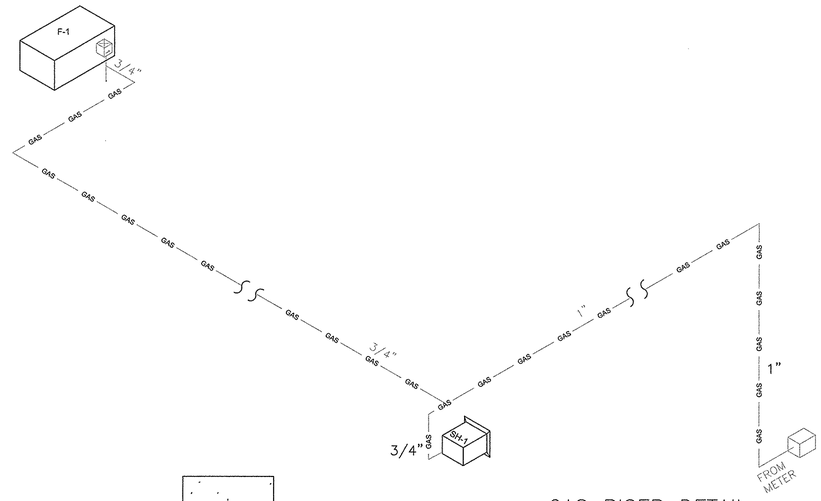


PILUMBING RISER DETAIL

NOT TO SCALE



GAS RISER DETAIL

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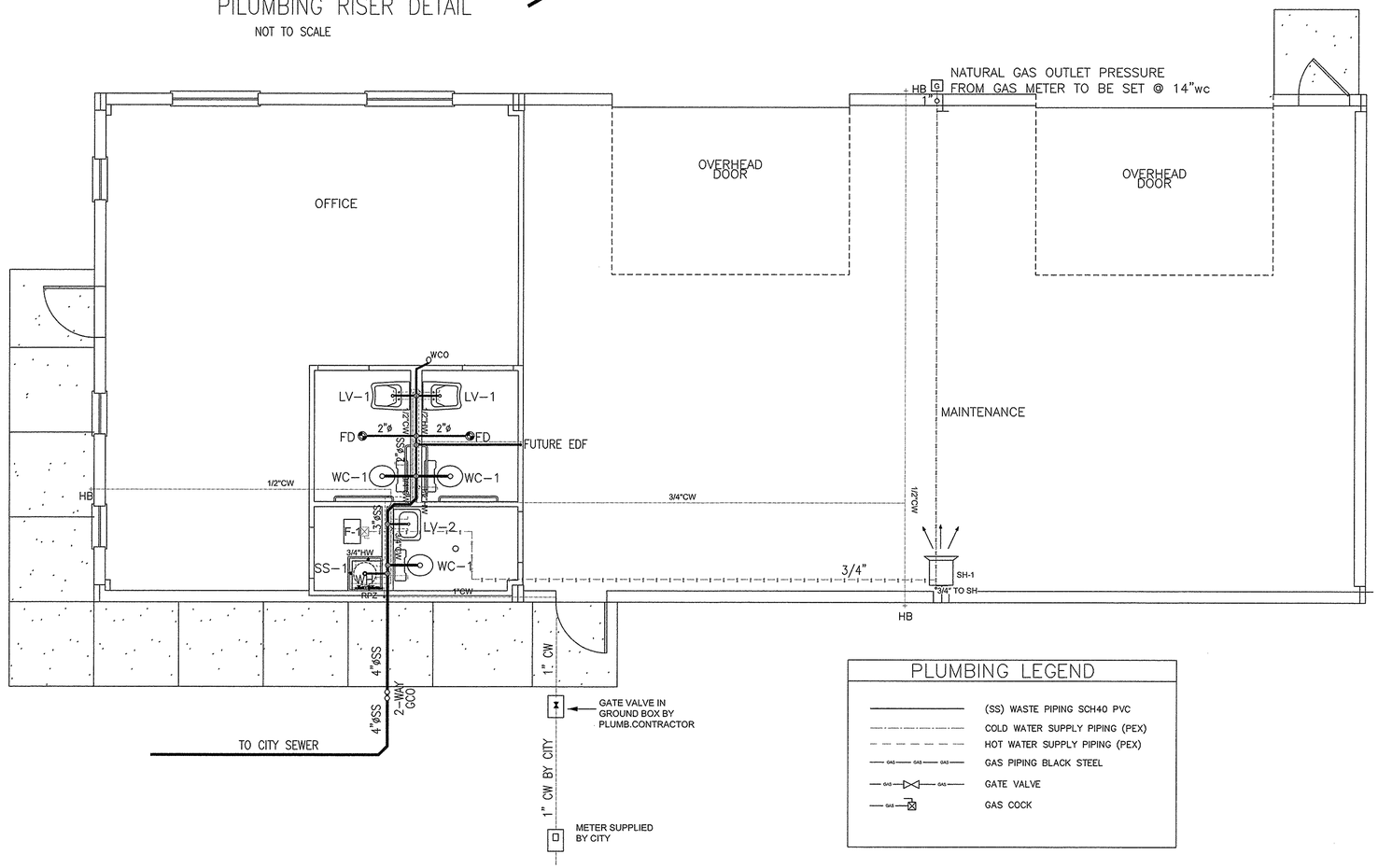
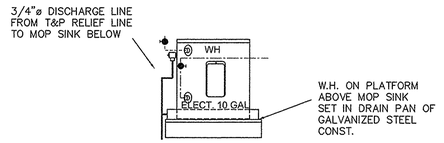


PLUMBING LEGEND

	(SS) WASTE PIPING SCH40 PVC
	COLD WATER SUPPLY PIPING (PEX)
	HOT WATER SUPPLY PIPING (PEX)
GAS GAS GAS	GAS PIPING BLACK STEEL
	GATE VALVE
	GAS COCK



WATER HEATER RISER

NOT TO SCALE

1 P1.0 PLUMBING PLAN

03 09 17 JRE

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Project No.: 17-001

CAD Drawing: 17-001 A-1.02

Sheet Title: POWER PLAN

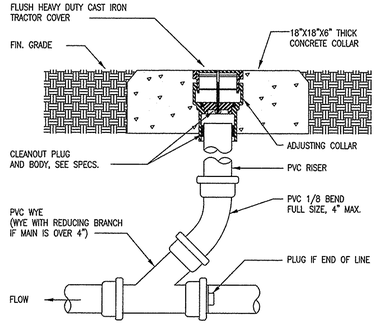
Sheet No.: P1.0

GENERAL PLUMBING NOTES

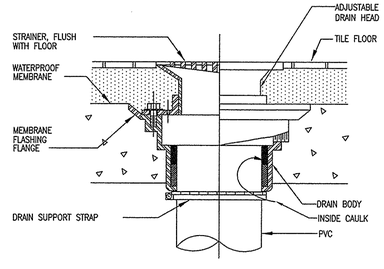
1. CONTRACTOR SHALL EXECUTE ALL WORK SO THAT IT PROCEEDS WITH A MINIMUM OF INTERFERENCE WITH OTHER TRADES AND NORMAL FUNCTIONING OF EXISTING FACILITIES AND SERVICES.
2. VERFIY EXACT ROUGH-IN AND FINAL EQUIPMENT REQUIREMENTS IN FIELD.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO PLUMBING FIXTURES AND EQUIPMENT. THIS INCLUDES, BUT IS NOT LIMITED TO FURNISHING AND INSTALLING ALL TRAPS, DRAINS, AND SUPPLIES WITH STOPS.
4. THE CONTRACTOR SHALL VERIFY THAT ALL PIPING, AS SHOWN ON THESE DRAWINGS WILL NOT CONFLICT WITH ANY DRAINS, SCUTTLES, JOINTS, VENTS, EQUIPMENT, ETC.
5. COORDINATE ROUTING AND LOCATIONS OF WASTE AND VENT PIPING WITH ALL OTHER TRADES.
6. THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES, ALL REQUIRED OPENINGS AND EXCAVATIONS. ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS, AND ROOFS SHALL BE DESIGNED INTO THE STRUCTURE INTIALLY BY THE USE OF SLEEVES, CURBS, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
7. ALL ITEMS PROJECTING THROUGH ROOFS SHALL BE FLASHED A MINIMUM OF 12" ABOVE THE ROOF. ALL VENTS SHALL BE A MINIMUM OF 10' FROM ANY OUTSIDE AIR INTAKE.
8. ALL SOLDER, FLUX, PIPE, AND FITTINGS SHALL BE LEAD FREE AS DEFINED IN THE PLUMBING CODE.
9. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES THE EXACT LOCATIONS FOR ALL OF THE BUILDING'S SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR ANY FEES REQUIRED BY THE UTILITIES AND FOR INCLUDING THEM IN HIS COST.
10. ALL WATER LINES UNDER SLAB SHALL BE SLEEVED WITH "ARMAFLEX" ALL HOT WATER LINES SHALL BE INSULATED WITH 3/4" CLOSED CELL FOAM.
11. SINKS TO BE ANCHORED AND SEALED WITH SILICONE CAULKING.
12. PROVIDE CLEANOUTS ON ALL SEWER LINES AT 75' MAX. CENTERS.
13. ALL PLUMBING FIXTURES TO BE WHITE. ALL TRIM TO BE POLISHED CHROME.
14. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDENSATE DRAIN PIPING AND FITTINGS. INSULATE ALL CONDENSATE DRAIN PIPING AND FITTINGS WITH 1/2 " "ARMAFLEX" PIPE INSULATION.
15. PROVIDE STOPS AND SHOCK ABSORBERS AT EACH FIXTURE GROUP.
16. PROVIDE VACUUM BREAKERS AT FIXTURES WITH HOSE THREAD CONNECTIONS AND APPLIANCES WITH DIRECT CONNECTIONS TO DOMESTIC WATER.
17. PROVIDE DI-ELECTRIC UNIONS AT ALL DISSIMILAR METAL PIPE CONNECTIONS.
18. PROVIDE 2x BLOCKING IN WALL TO SUPPORT SHOWER VALVES, WATER VALVE BOXES & SERVICE SINK FAUCETS.
19. ALL WORK TO BE BY A LICENSED PLUMBER AND BE INSTALLED TO STATE & LOCAL CODE.
20. PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL FIRE STOPPING.

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	CONN. W	CONN. CW	CONN. HW	MANUFAC. & MODEL	DESCRIPTION
WC1	WATER CLOSET	4"	3/4 "	–	AM. STD. CADET MOD 2467.	AMERICAN STANDARD 1.1 GPF FLOWISE TANK TYPE RIGHT HEIGHT PRESSURE ASSISTED ELONGATED TOILET
LV1	LAVATORY WALL MOUNTED	2"	1/2 "	1/2 "	AM. STD. MOUNTED SINK MOD 9141.011	WHEELCHAIR USERS WALL MOUNTED SINK WALL MOUNTED SINK ARRANGED FOR CONCEALED ARM CARRIER BY OTHERS WITH FRONT OVERFLOW
LV2	LAVATORY WALL MOUNTED	2"	1/2 "	1/2 "	AM. STD DECYLYN MOD 0321.026	WALL HUNG REAR OVERFLOW FAUCET LEDGE WITH MOEN CHROME SINGLE LEVER FAUCET, CHATEAU # L4605 INCLUDE STRAINER.
SS1	SERVICE SINK	3"	1/2 "	1/2 "	FIAT MSB 2424	FLOOR MOUNTED MOLDED STONE SERVICE SINK, 8-0665-BSTR T&S SERVICE FAUCET ROUGH CHROME FINISH 8" CENTER
FD	FLOOR DRAIN	2"			ZURN MOD. ZN-415	W/ Z-1000 DEEP SEAL TRAP & ZURN MOD. Z-1022 AUTOMATIC TRAP PRIMER
GCO	GRADE CLEANOUT	–				PROVIDE WITH METAL RING
WH	WATER HEATER	–	3/4"	3/4"	BRADFORD WHITE LD-10U3-1	10 GAL ELECTRIC WATER HEATER LIGHT DUTY ENERGY SAVER SINGLE PHASE, 120V W/1500W ELEMENT
WCO	WALL CLEANOUT	–	–	–		PROVIDE WITH SS COVER
HB	WALL HYDRANT				WOODFORD MOD. 65	FREEZE-PROOF AUTOMATIC DRAINING WITH VACUUM BREAKER, TEE KEYED.
VTR	THRU ROOF					SEE RISER FOR SIZE PLUMBER TO PROVIDE ROOF BOOT
RPZ	REDUCED PRESSURE ZONE ASSEMBLY	1-3/4"	1"	1"	WATTS LF909-QT LF919 LF909-AGC	LEAD FREE ASSEMBLY BACKSIPHONAGE AND BACK PRESSURE PROTECTION WITH STRAINER FOR PREVENTION OF FOREIGN MATERIAL



GRADE CLEAN-OUT NTS



FLOOR DRAIN NTS

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Project Title:

SENATOBIA SPORTS PARK
Maintenance Building
Scott Street Senatobia Mississippi

Final Issue Date: March 9, 2017

Revisions:

Mark	Date	Description

Project No.: 17-001

CAD Drawing: 17-001 A-1.02

Sheet Title: PLUMBING SCHEDULES & DETAI

Sheet No.: P2.0

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