PARKER PARK COMMUNITY CENTER POOL ADDITION CITY OF JONESBORO

Jonesboro, Arkansas

STRUCTURAL ENGINEER:

ENGINEERING CONSULTANTS INC. 401 West Capitol, Suite 305 Little Rock, AR 72201 501.376.3752



MECHANICAL/PLUMBING/ELECTRICAL ENGINEER:

Heritage West Building, Suite 400 201 E. Markham Street



CIVIL ENGINEER:

ASSOCIATED ENGINEERING AND TESTING, LLC 103 Church Street Jonesboro, AR 72403 870.932.3594



INDEX TO DRAWINGS

100 East Huntington Ave, Suite D Jonesboro, Arkansas 72403 www.bkarchts.com

MATERIALS KEY ABBREVIATIONS CONCRETE ABOVE FINISH FLOOR STEEL ABOVE ABV. **ACOUSTICAL** METAL STUDS **ALUMINUM** ALUM. CONCRETE BLOCK APPROX **APPOXIMATE BOTTOM OF FOOTING** B.O.F. PLYWOOD CEILING CLG. FINISH WOOD **CENTER LINE BATT INSULATION CONCRETE MASONRY UNIT** GYPSUM BOARD E.W.C **ELECTRIC WATER COOLER** RIGID INSULATION FIN. FIRE EXTINGUISHER F.E. WOOD FRAMING F.E.C. FIRE EXTINGUISHER CABINET COMPACT FILL FLR. G.C. **GENERAL CONTRACTOR** GRAVEL FILL **INSULATION** INSUL. **ASPHALT PAVING** K.F.E. **EXTERIOR SHEATHING** KITCHEN FIRE EXTINGUISHER MECH. **MECHANICAL** METAL THRESHOLD M.T. NOMINAL NOM. SYMBOLS KEY **NOT IN CONTRACT** ON CENTER OWNER FURNISHED. CONTRACTOR INSTALLED PLATE SECTION NUMBER REQUIRED SECTION SHEET NUMBER SIMILAR SIM. SQUARE SQ. DETAIL NUMBER SUSPENDED SUSP. DETAIL \A001/ T.O.C. **TOP OF CURB** SHEET NUMBER TOP OF MASONRY T.O.M. DOOR T.O.F. TOP OF FOOTING T.O.W. TOP OF WALL/WALK WINDOW TYPICAL TYP. **UNLESS NOTED OTHERWISE** U.N.O. ALUMINUM FRAME **VERIFY IN FIELD** V.I.F. WITH HOLLOW METAL FRAME **EXISTING CONTOUR LINE NEW CONTOUR LINE NEW SPOT ELEVATION** 235.56 FINISH ELEVATION ELEV. = 100.00 **VICINITY MAP**

SITE

2000286 (2000) (2000)	SCHEDULE OF SPECIAL I				
PROJECT	(Completed by the	Register	red Design Professiona APPLIC	ASSESSMENT AT A LOCAL CONTRACTOR	Charge) THIS PROJECT
MATERIAL / ACTIVITY	SERVICE	Y/N	EXTENT	AGENT*	DATE COMPLETED
1704.2.5 Inspection of Fabricators					
/erify fabrication/quality control procedures.	In-plant review		Periodic	7	
1705.2 Steel Construction					
Material verification of high-strength bolts, nuts, and washers.	Review material markings and certificates of compliance		Periodic	2	
nspection of high-strength bolting:	Field inspection				
a. Bearing-type connections			Periodic	2	
Structural steel welding: a. Complete and partial penetration groove welds	Shop and field inspection				
			Continuous	2	
b. Single-pass fillet welds ≤ 5/16"			Periodic	2	
c. Floor and deck welds			Periodic	2	
nspection of steel frame joint details for compliance with approved construction documents.	Field inspection			3,4	
1705.3 Concrete Construction					
nspection of reinforcing steel installation.	Field inspection		Periodic.	2,3,4	
nspection of anchor bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased per Building Code section	Field inspection		Continuous	2,3,4	
1911.5 or where strength design is used	THE STATE OF THE S	_		200	
Verify use of approved design mix	Field inspection		Periodic	4	
nspection of anchors installed in hardened concrete	Field inspection	\vdash	Periodic	3	
Fresh concrete sampling.	Field testing		Continuous	2	
Concrete strength testing and verification of compliance with construction documents	Field testing and review of laboratory reports		Periodic	2	
1705.4 Masonry Construction					
Verify location of reinforcement, connectors, and anchorages.	Field inspection		Periodic	3,4	
Verify type, size, and location of anchors, including details of anchorage of masonry	Field inspection		Periodic	3,4	
to structural members, frames, or other construction.	ON SECTION OF THE PROPERTY OF		115-114-127-128-128-1	7667996	
Verify size, grade, and type of reinforcement.	Field inspection		Periodic	3,4	
Verify placement of reinforcement, connectors, and anchorages prior to grouting.	Field inspection		Periodic	2,3,4	
1705.6 Soils		<u> </u>			
Verify materials below shallow foundations are adequate to achieve the design searing capacity.	Field inspection		Periodic	1	
Verify excavations are extended to proper depth and have reached proper material.	Field inspection		Periodic	1	
Perform classification and testing of controlled fill materials.	Field inspection		Periodic	1	
Verify site preparation complies with approved soils report.	Field inspection		Continuous	1	
Verify use of proper materials, densities, and lift thicknesses during placement and compaction of controlled fill	Field inspection		Continuous	1	
Prior to placement of controlled fill, observe subgrade and verify that site has been	Field inspection		Periodic	1	
orepared properly /erify dry-density of compacted fill complies with approved soils report.	Review field testing		Periodic	1	
1705.11 Seismic Resistance	review field testing		1 enouic		
nspection of Suspended Ceiling system and anchorage	Field inspection		Periodic	3	
respection or duspertued defining system and androrage	i iela irispection		renodic	3	
1707.2 Structural Steel Special Inspections for Seismic Resistance					
Continuous inspection of structural welding in accordance with AISC 341, Seismic Provisions	Shop and field inspection		Continuous	2	
1707.7 Architectural Components Special Inspections for Seismic					
Resistance					
nspection during the erection and fastening of exterior cladding and interior and exterior veneer.	Field inspection		Periodic	3	
nspection during the erection and fastening of interior and exterior non load bearing walls.	Field inspection		Periodic	3	
walls. 1707.8 Mechanical and Electrical Components Special Inspections for			1111 M 100 C 100 S		
Seismic Resistance					
nspection of electrical equipment anchorage.	Field inspection		Periodic	6	
nspection of flammable piping systems and associated mechanical units.	Field inspection		Periodic	5	
nspection of HVAC and Plumbing equipment anchorage per specifications and frawings.	Field inspection		Periodic	5	
nrawings. Inspection of exterior mechanical and electrical anchorage.	Field inspection		Periodic	5,6	
The state of the s	, i.e.a mapocuon		, snould	5,5	
1709.9 Designated Seismic System Verification					
nspect and verify that that the component label, anchorage or mounting conforms to the certificate of compliance in accordance with 1708.5.	Field inspection		Periodic	5,6	
1708.4 Structural Steel Testing for Seismic Resistance		Н			
Fest In accordance with the quality assurance requirements of AISC 341, Seismic	Shop and field testing		Each	3,4	
Provisions	Shop and held testing		occurrence	5,4	
* INSPECTION AGENTS	FIRM				
1. TESTING AGENCY	GEOTECHNICAL ENGINEER TO BE SELECTED				
3. ARCHITECT	BRACKETT KRENNERICH STRUCTURAL ENGINEER				
5. MECHANICAL ENGINEER	MECHANICAL ENGINEER ELECTRICAL ENGINEER				
7. STEEL FABRICATOR	TO BE SELECTED				
Notes: 1. The inspection and testing agent(s) shall be engaged by the Owner or the Owner's Agent, and not b			ected or		
tested. Any conflict of interest must be disclosed to the Building Official prior to commencing work. testing agencies are subject to the approval of the Building Official and/or the Design Professional.	тне quaнтications of the Special Inspector(s) and/)T			
The list of Special Inspectors may be submitted as a separate document, if noted so above. Encircle "Yes" or "No" as appropriate and date this document below:				V -	
Are Requirements for Seismic Resistance included in the Statement of Special Inspections?				Yes	

SCHEDULE OF SPECIAL INSPECTIONS

REF1	TOPOGRAPHIC SURVEY (REFERENCE ONLY)	A
	ON ///	ļ
	CIVIL	,
C001	SITE DEMOLITION PLAN	/
C001	OVERALL SITE PLAN	1
C003	ENLARGED SITEPLAN	A
C004	SITE UTILITY PLAN	1
C005	GRADING AND EROSION PLAN	/
C006	SITE LANDSCAPE PLAN	
C007	SITE DETAILS	_
	LIFE SAFETY	;
LS001	LIFE SAFETY PLAN AND CODE ANALYSIS	;
	DEMOLITION	;
D100	DEMOLITION FLOOR PLAN	
	ARCHITECTURAL	[
A001	DOOR SCHEDULE, VISUAL DOOR TYPES, ALUMINUM FRAME	
4.000	SCHEDULE	
A002	ALUMINUM FRAME DETAILS, COILING DOOR DETAILS	
A003	FLOOR FINISHES PLAN, FINISH SCHEDULE	I
A100	OVERALL FLOOR PLAN	
A101 A102	RESTROOM AND OFFICE FLOOR PLAN, VISUAL WALL TYPES CONCESSION AND EQUIPMENT FLOOR PLAN, EQUIPMENT SCHEDULE	·
A103	RESTROOM AND OFFICE ROOF PLAN	_
A104	CONCESSION AND EQUIPMENT ROOF PLAN AND DETAILS	
A200	EXTERIOR BUILDING ELEVATIONS	l I
A201	EXTERIOR BUILDING ELEVATIONS	
A202	EXTERIOR BUILDING ELEVATIONS	
A203	BUILDING SECTIONS	i
A400	RESTROOM AND OFFICE REFLECTED CEILING PLAN	, [
A401	CONCESSION AND EQUIPMENT REFLECTED CEILING PLAN	I
A500	WALL SECTIONS	
A501	WALL SECTIONS	·
A502	WALL SECTIONS	
A503	WALL SECTIONS	
A504	WALL SECTIONS	_
A600	STANDARD MOUNTING HEIGHTS, ADA NOTES	I
A601	ENLARGED TOILET PLAN, TOILET ELEVATIONS	-
A602	ENLARGED TOILET PLAN, TOILET ELEVATIONS	Ī
A603	ENLARGED TOILET PLAN, TOILET ELEVATIONS	-
A604	INTERIOR ELEVATIONS	E
A605	MILLWORK ELEVATIONS, MILLWORK SECTIONS	E

	NNERICH	& ASS	\
ETT-S	REGISTE ARCHITE	RED Y	CAPTE
DARG.	C13	Z, à	S
X 4	AUGUST	202	3

ELECTRICAL

AQUATICS

STRUCTURAL

CONCESSIONS & EQUIPMENT PLANS

MECHANICAL

PLUMBING

PLUMBING GENERAL NOTES AND LEGENDS

RESTROOM & OFFICE PLANS

FOUNDATION DETAILS

FOUNDATION DETAILS

FLOOR PLANS - HVAC

FLOOR PLAN - HVAC

HVAC SECTIONS

HVAC SECTIONS

HVAC DETAILS

HVAC DETAILS

SITE PLAN

HVAC SCHEDULES

HVAC SCHEDULES

FLOOR PLANS - PLUMBING

PLUMBING DETAILS PLUMBING DETAILS PLUMBING RISERS PLUMBING RISERS

PLUMBING SCHEDULES

FRAMING DETAILS

FRAMING DETAILS

OVERALL POOL PLAN

POOL SECTIONS & DETAILS

UNDERGROUND PIPING

POOL SECTIONS

POOL DETAILS

EQUIPMENT

POOL DETAILS 2

GENERAL NOTES

EQUIPMENT DETAILS

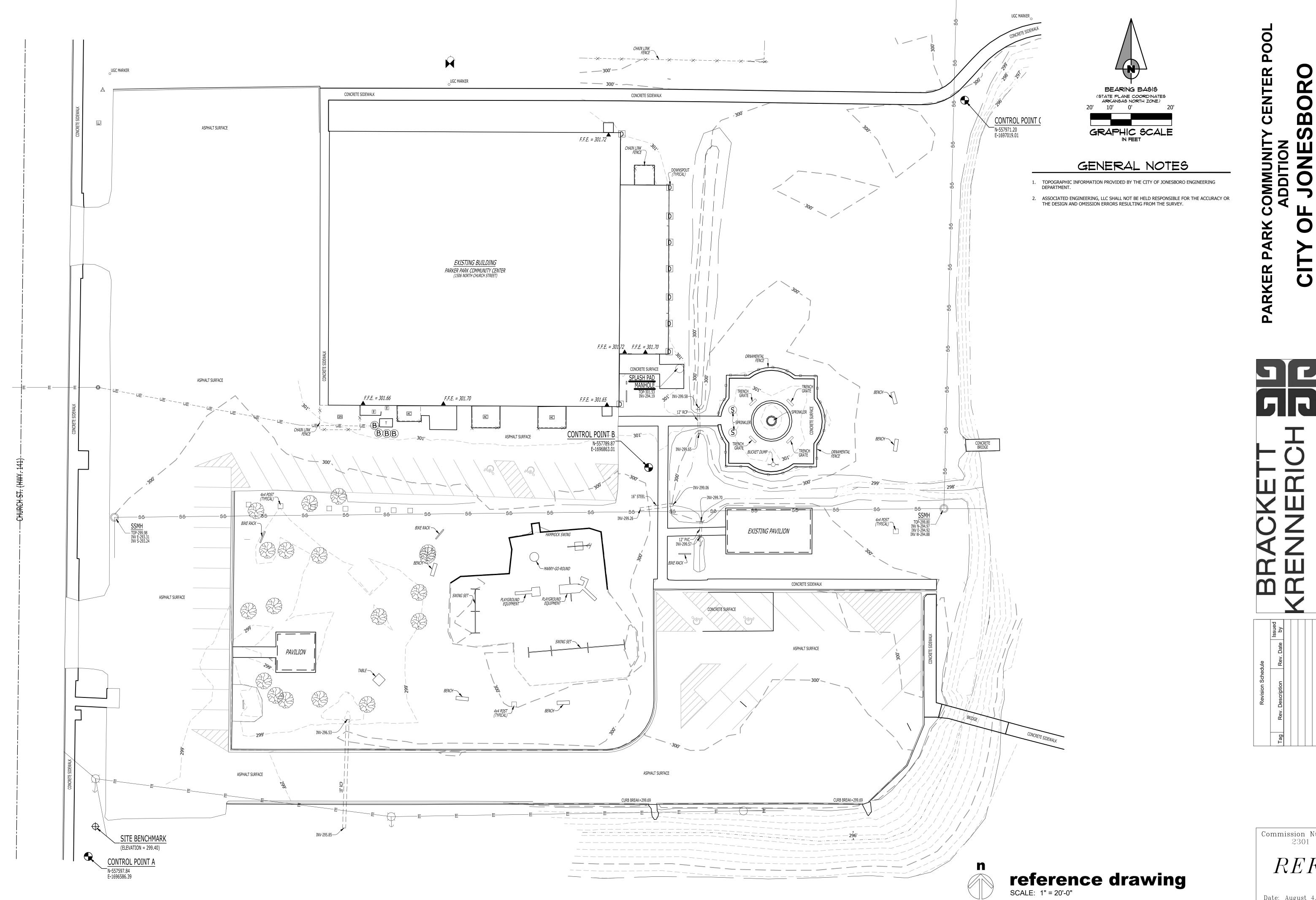
EQUIPMENT DETAILS 2

ELECTRICAL SITE FLOOR PLAN - LIGHTING FLOOR PLAN - POWER FLOOR PLAN - SYSTEMS **ELECTRICAL LEGENDS & DETAILS ELECTRICAL DETAILS & DIAGRAMS**

THE BEST OF MY KNOWLEDGE, THESE PLANS & SPECIFICATIONS ARE AS REQUIRED BY LAW & IN COMPLIANCE WITH THE ARKANSAS FIRE PREVENTION CODE FOR THE STATE OF ARKANSAS.

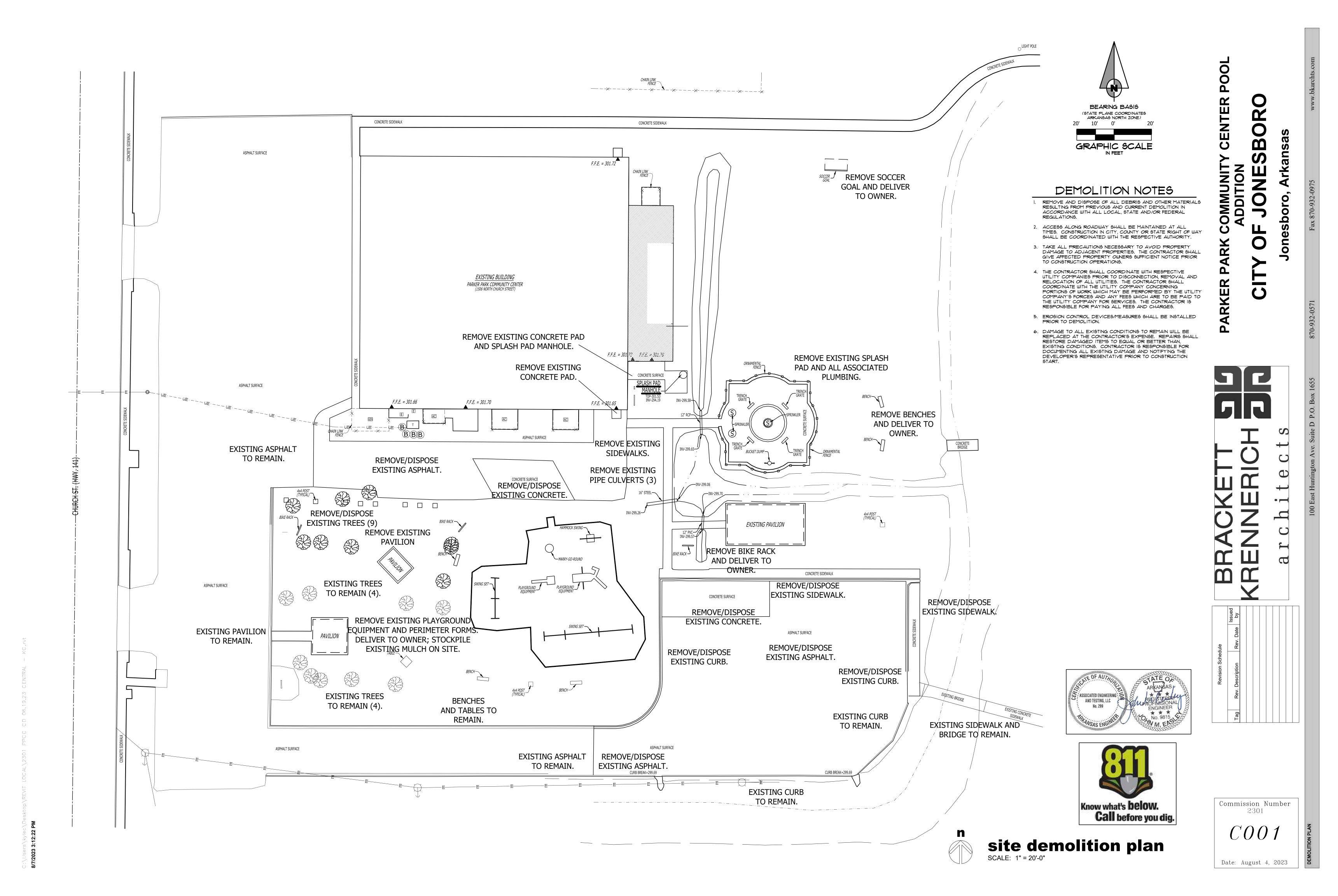
Kyle L. Cook

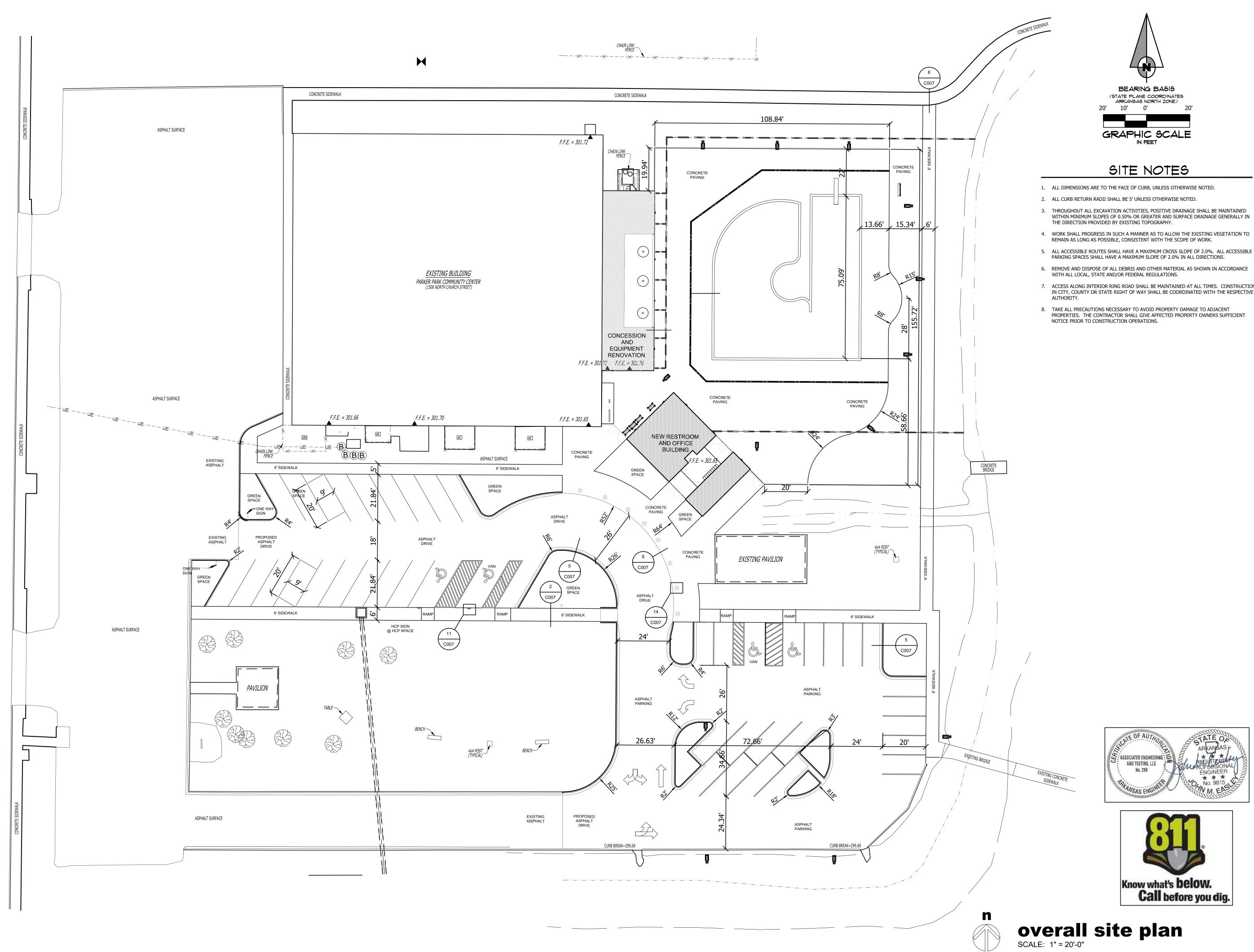
SET NUMBER

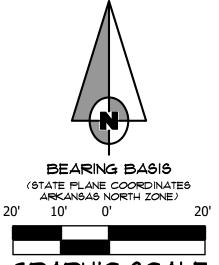


Commission Number 2301

REF1



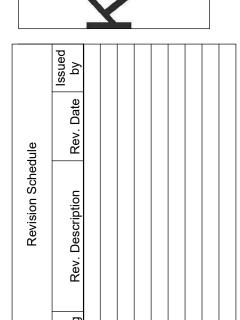


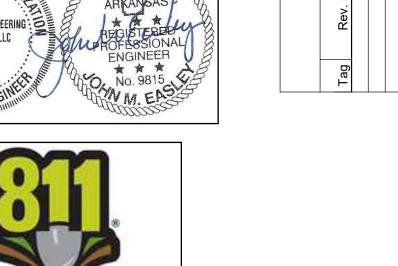


SITE NOTES

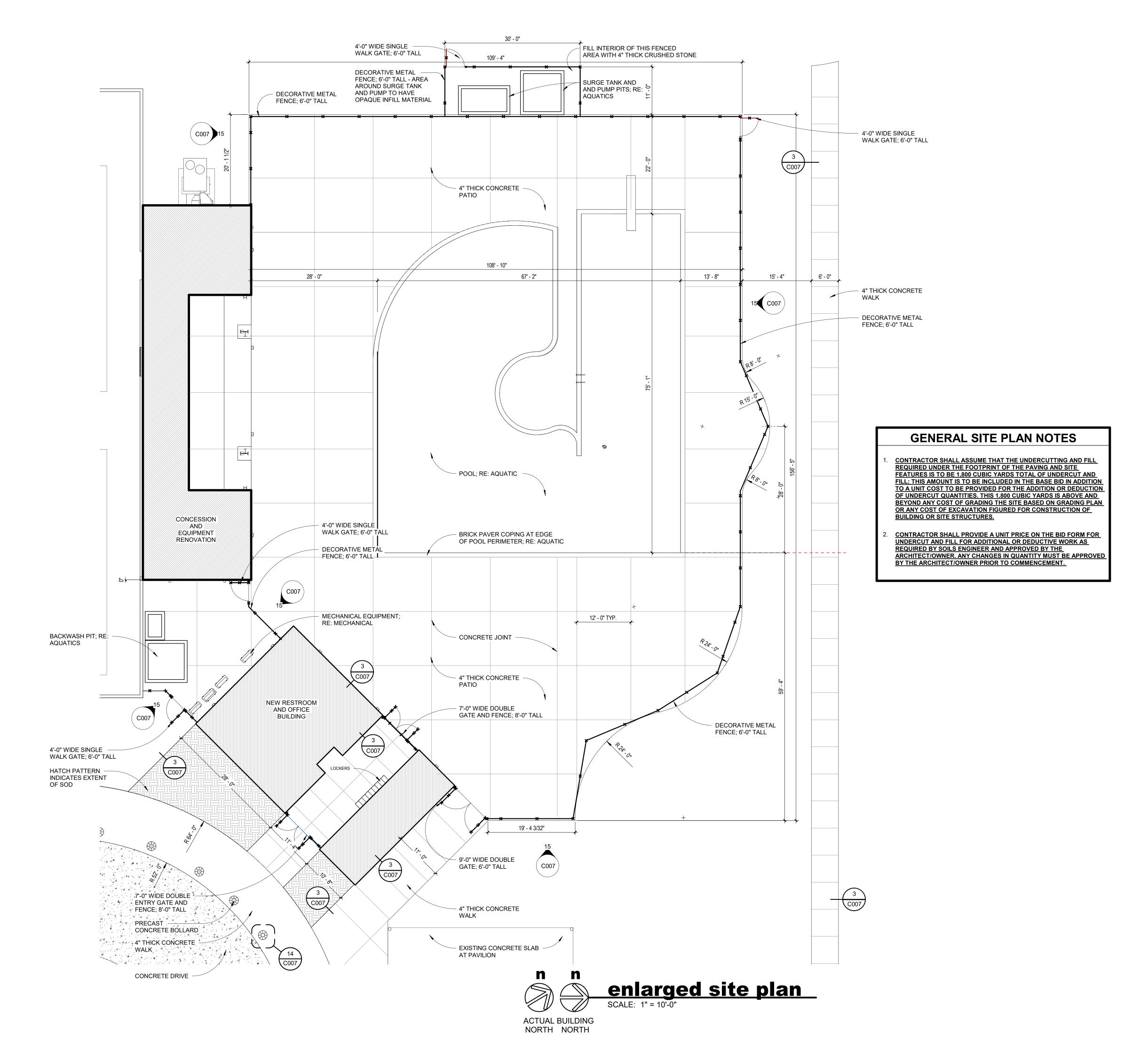
- 2. ALL CURB RETURN RADII SHALL BE 5' UNLESS OTHERWISE NOTED.
- 3. THROUGHOUT ALL EXCAVATION ACTIVITIES, POSITIVE DRAINAGE SHALL BE MAINTAINED WITHIN MINIMUM SLOPES OF 0.50% OR GREATER AND SURFACE DRAINAGE GENERALLY IN THE DIRECTION PROVIDED BY EXISTING TOPOGRAPHY.
- 4. WORK SHALL PROGRESS IN SUCH A MANNER AS TO ALLOW THE EXISTING VEGETATION TO REMAIN AS LONG AS POSSIBLE, CONSISTENT WITH THE SCOPE OF WORK.
- PARKING SPACES SHALL HAVE A MAXIMUM SLOPE OF 2.0% IN ALL DIRECTIONS.
- 6. REMOVE AND DISPOSE OF ALL DEBRIS AND OTHER MATERIAL AS SHOWN IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS.
- 7. ACCESS ALONG INTERIOR RING ROAD SHALL BE MAINTAINED AT ALL TIMES. CONSTRUCTION IN CITY, COUNTY OR STATE RIGHT OF WAY SHALL BE COORDINATED WITH THE RESPECTIVE AUTHORITY.
- 8. TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES. THE CONTRACTOR SHALL GIVE AFFECTED PROPERTY OWNERS SUFFICIENT NOTICE PRIOR TO CONSTRUCTION OPERATIONS.







Commission Number 2301 *C002*



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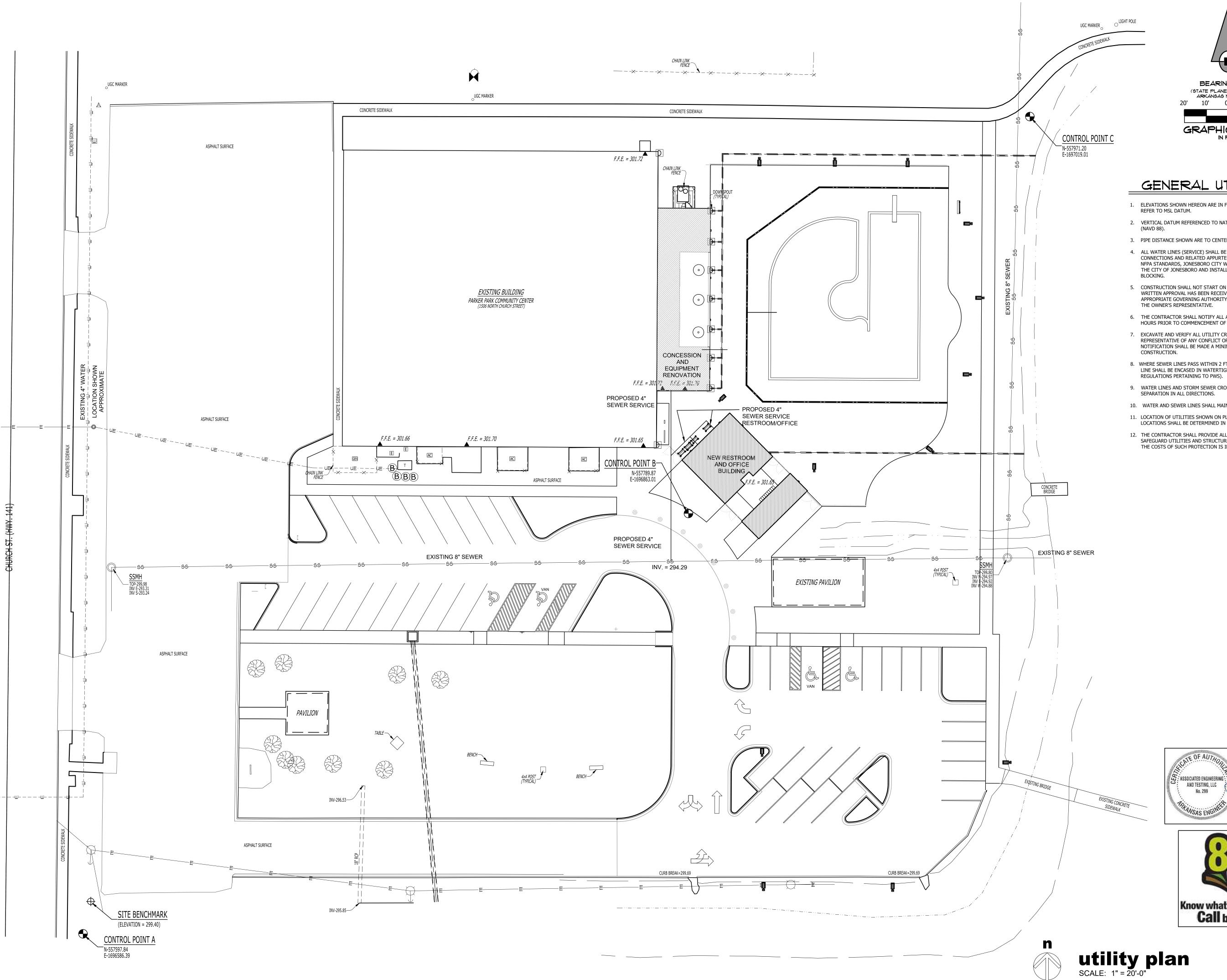
architects

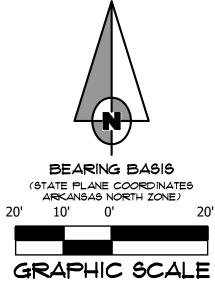
Revision Schedule

Rev. Description Rev. Date by

REGISTERED ARCHITECTS
C13
ARCHITECTS
C13
AVGUST 2023
Commission Number

2301 COO3

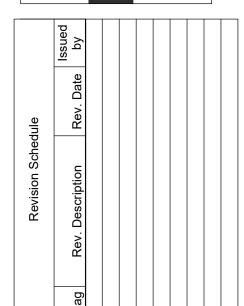


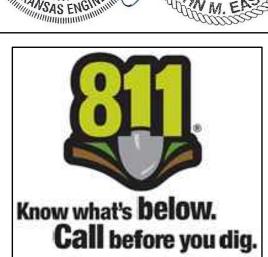


GENERAL UTILITY NOTES

- 1. ELEVATIONS SHOWN HEREON ARE IN FEET AND DECIMAL PARTS THEREOF AND
- 2. VERTICAL DATUM REFERENCED TO NATIONAL GEODETIC VERTICAL DATUM OF 1988
- 3. PIPE DISTANCE SHOWN ARE TO CENTER OF STRUCTURES.
- 4. ALL WATER LINES (SERVICE) SHALL BE PVC SCH. 40 WITH 42" MIN. COVER. VALVES, CONNECTIONS AND RELATED APPURTENANCES SHALL BE IN ACCORDANCE WITH NFPA STANDARDS, JONESBORO CITY WATER & LIGHT SPECIFICATIONS AS WELL AS THE CITY OF JONESBORO AND INSTALLED WITH REQUIRED BEDDING AND THRUST
- 5. CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE OWNER'S REPRESENTATIVE.
- 6. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK.
- 7. EXCAVATE AND VERIFY ALL UTILITY CROSSINGS AND INFORM THE OWNER'S REPRESENTATIVE OF ANY CONFLICT OR REQUIRED DEVIATION FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO
- 8. WHERE SEWER LINES PASS WITHIN 2 FT. VERTICALLY OF WATER LINES, THE SEWER LINE SHALL BE ENCASED IN WATERTIGHT PIPE (SEE PART XIV.A OF ADH RULES AND REGULATIONS PERTAINING TO PWS).
- 9. WATER LINES AND STORM SEWER CROSSINGS SHALL MAINTAIN 36" MIN. SEPARATION IN ALL DIRECTIONS.
- 10. WATER AND SEWER LINES SHALL MAINTAIN 10 FEET HORIZONTAL SEPARATION. 11. LOCATION OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY. EXACT
- LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- 12. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD UTILITIES AND STRUCTURES FROM DAMAGE DURING CONSTRUCTION. THE COSTS OF SUCH PROTECTION IS INCLUDED IN THE BASE BID.

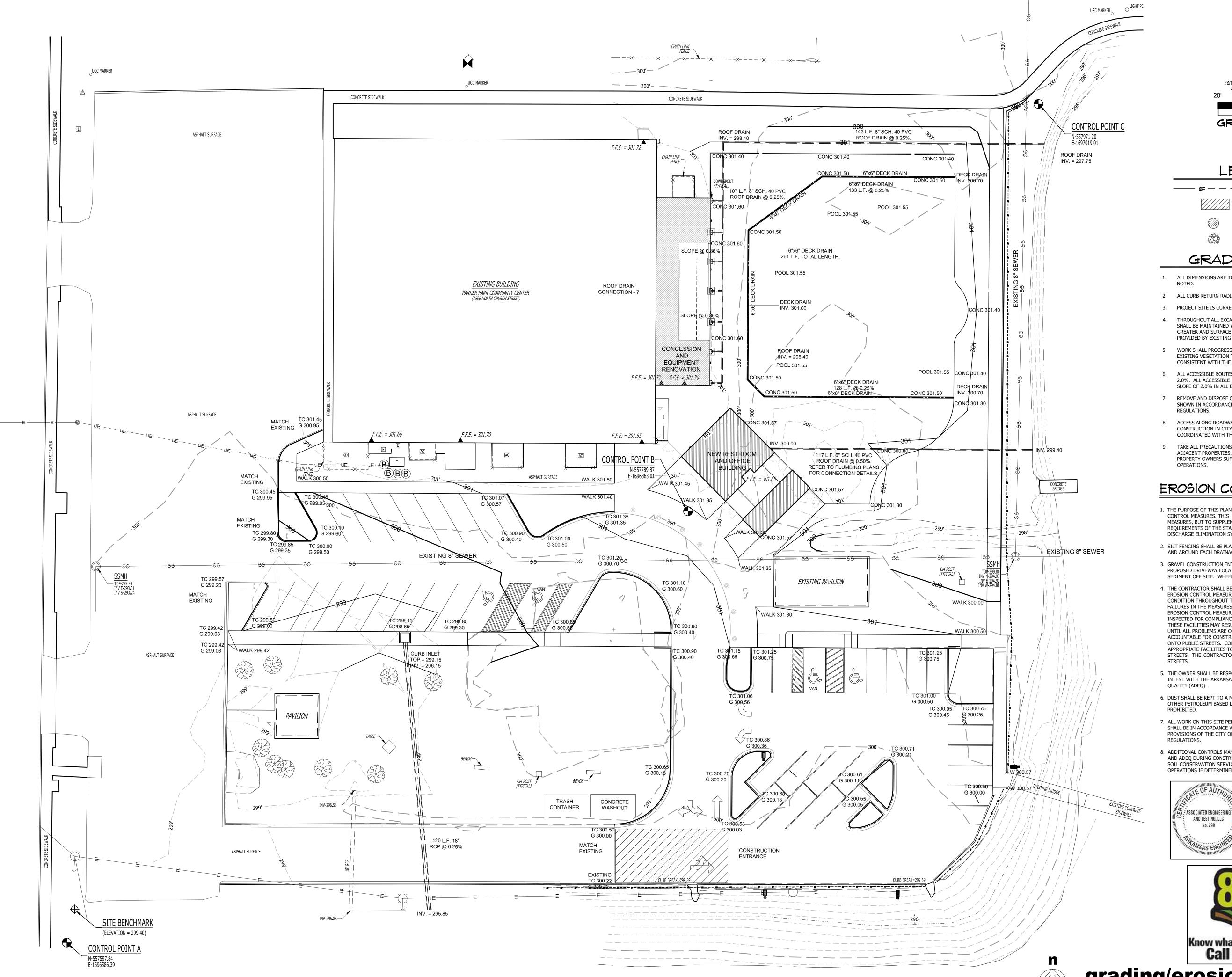


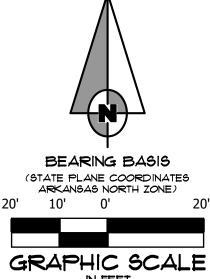




Commission Number 2301

C004





CENTER

LEGEND

CONSTRUCTION ENTRANCE

DUMPED RIPRAP

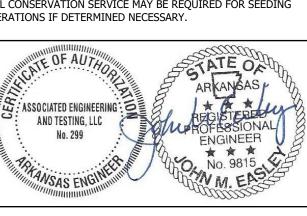
INLET PROTECTION

GRADING NOTES

- 1. ALL DIMENSIONS ARE TO THE FACE OF CURB, UNLESS OTHERWISE
- 2. ALL CURB RETURN RADII SHALL BE 5' UNLESS OTHERWISE NOTED.
- 3. PROJECT SITE IS CURRENTLY COMMERCIAL.
- 4. THROUGHOUT ALL EXCAVATION ACTIVITIES, POSITIVE DRAINAGE SHALL BE MAINTAINED WITHIN MINIMUM SLOPES OF 0.50% OR GREATER AND SURFACE DRAINAGE GENERALLY IN THE DIRECTION PROVIDED BY EXISTING TOPOGRAPHY.
- 5. WORK SHALL PROGRESS IN SUCH A MANNER AS TO ALLOW THE EXISTING VEGETATION TO REMAIN AS LONG AS POSSIBLE, CONSISTENT WITH THE SCOPE OF WORK.
- 6. ALL ACCESSIBLE ROUTES SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.0%. ALL ACCESSIBLE PARKING SPACES SHALL HAVE A MAXIMUM SLOPE OF 2.0% IN ALL DIRECTIONS.
- 7. REMOVE AND DISPOSE OF ALL DEBRIS AND OTHER MATERIAL AS SHOWN IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL
- 8. ACCESS ALONG ROADWAY SHALL BE MAINTAINED AT ALL TIMES. CONSTRUCTION IN CITY, COUNTY OR STATE RIGHT OF WAY SHALL BE COORDINATED WITH THE RESPECTIVE AUTHORITY.
- 9. TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES. THE CONTRACTOR SHALL GIVE AFFECTED PROPERTY OWNERS SUFFICIENT NOTICE PRIOR TO CONSTRUCTION

EROSION CONTROL MEASURES

- 1. THE PURPOSE OF THIS PLAN IS TO ESTABLISH MINIMUM EROSION CONTROL MEASURES. THIS PLAN IS NOT INTENDED TO COVER ALL REQUIREMENTS OF THE STATE OF ARKANSAS NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT).
- 2. SILT FENCING SHALL BE PLACED ALONG THE LIMITS OF CONSTRUCTION AND AROUND EACH DRAINAGE STRUCTURE PRIOR TO CONSTRUCTION.
- 3. GRAVEL CONSTRUCTION ENTRANCES SHALL BE CONSTRUCTED AT PROPOSED DRIVEWAY LOCATIONS TO PREVENT TRANSPORT OF SEDIMENT OFF SITE. WHEEL WASH FACILITIES MAY BE REQUIRED
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL EROSION CONTROL MEASURES AND FACILITIES IN GOOD WORKING CONDITION THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. ANY FAILURES IN THE MEASURES MUST BE IMMEDIATELY REPAIRED. EROSION CONTROL MEASURES AND FACILITIES SHALL BE FREQUENTLY INSPECTED FOR COMPLIANCE. FAILURE TO INSTALL OR MAINTAIN THESE FACILITIES MAY RESULT IN DENIAL OF BUILDING INSPECTIONS UNTIL ALL PROBLEMS ARE CORRECTED. CONTRACTORS SHALL BE HELD ACCOUNTABLE FOR CONSTRUCTION VEHICLES TRACKING DIRT AND MUD ONTO PUBLIC STREETS. CONTRACTORS SHALL PUT INTO PLACE APPROPRIATE FACILITIES TO CLEAN VEHICLES BEFORE THEY ENTER STREETS. THE CONTRACTOR SHALL FREQUENTLY SWEEP THE ACCESS
- 5. THE OWNER SHALL BE RESPONSIBLE FOR SUBMITTING A NOTICE OF INTENT WITH THE ARKANSAS DEPARTMENT OF ENVIRONMENTAL
- 6. DUST SHALL BE KEPT TO A MINIMUM. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED LIQUIDS FOR DUST SUPPRESSION ARE
- 7. ALL WORK ON THIS SITE PERTAINING TO EXCAVATION AND DRAINAGE SHALL BE IN ACCORDANCE WITH THIS PLAN AND THE APPLICABLE PROVISIONS OF THE CITY OF JONESBORO STORM WATER MANAGEMENT
- 8. ADDITIONAL CONTROLS MAY BE REQUIRED BY THE CITY OF JONESBORO AND ADEQ DURING CONSTRUCTION. GUIDELINES ESTABLISHED BY THE SOIL CONSERVATION SERVICE MAY BE REQUIRED FOR SEEDING OPERATIONS IF DETERMINED NECESSARY.

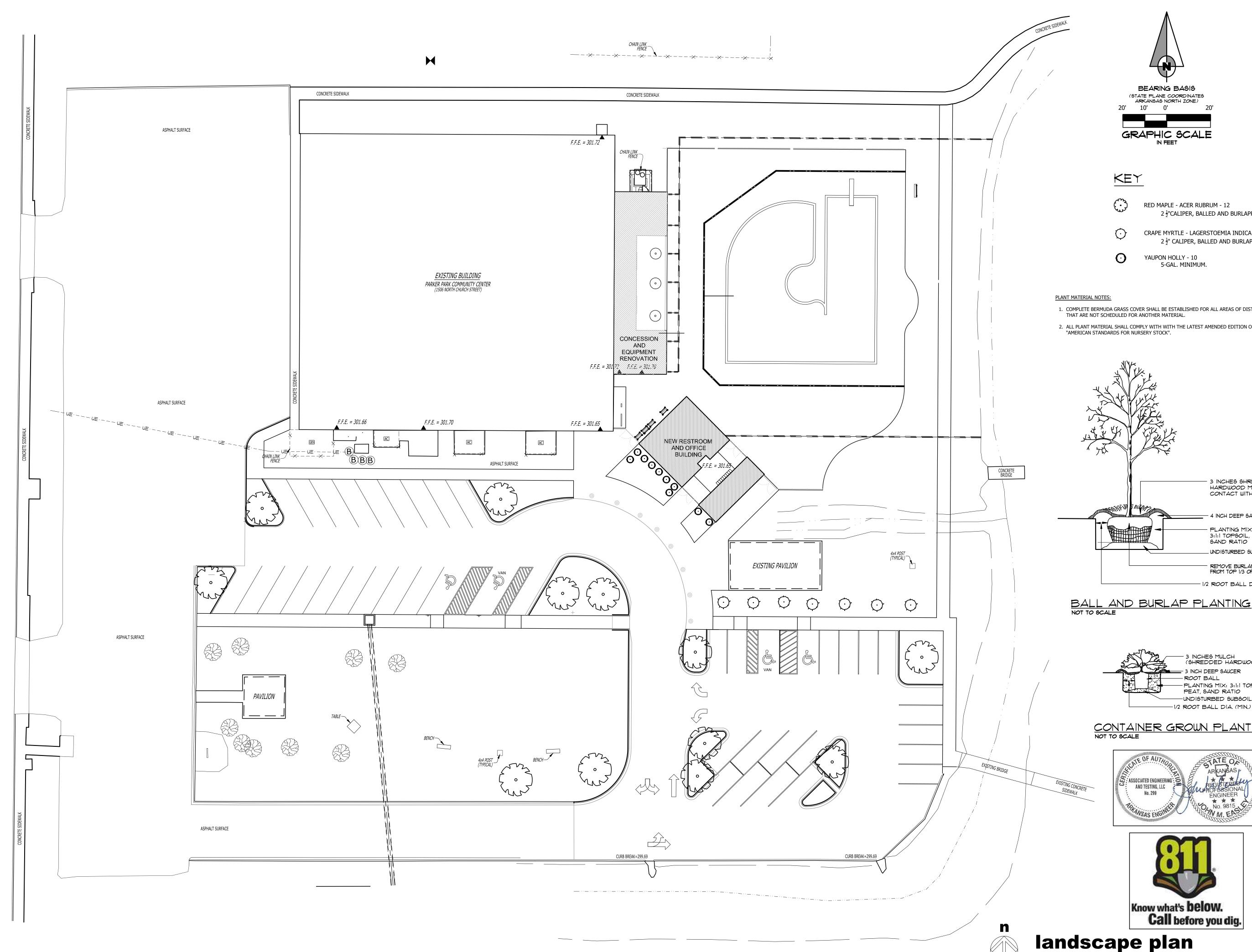


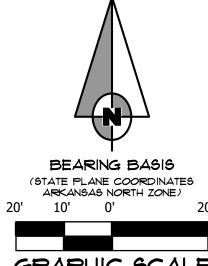


grading/erosion plan SCALE: 1" = 20'-0"

Commission Number 2301

C005



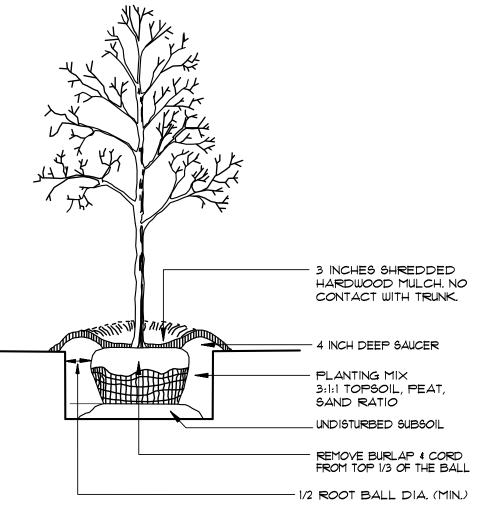


RED MAPLE - ACER RUBRUM - 12 $2\frac{1}{2}$ "CALIPER, BALLED AND BURLAPPED.

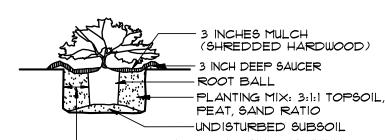
CRAPE MYRTLE - LAGERSTOEMIA INDICA - 7 $2\frac{1}{2}$ " CALIPER, BALLED AND BURLAPPED.

YAUPON HOLLY - 10 5-GAL. MINIMUM.

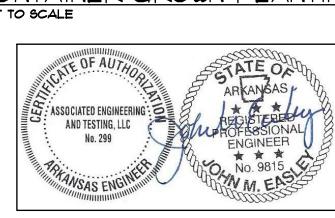
- 1. COMPLETE BERMUDA GRASS COVER SHALL BE ESTABLISHED FOR ALL AREAS OF DISTURBANCE THAT ARE NOT SCHEDULED FOR ANOTHER MATERIAL.
- 2. ALL PLANT MATERIAL SHALL COMPLY WITH WITH THE LATEST AMENDED EDITION OF THE "AMERICAN STANDARDS FOR NURSERY STOCK".



BALL AND BURLAP PLANTING NOT TO SCALE



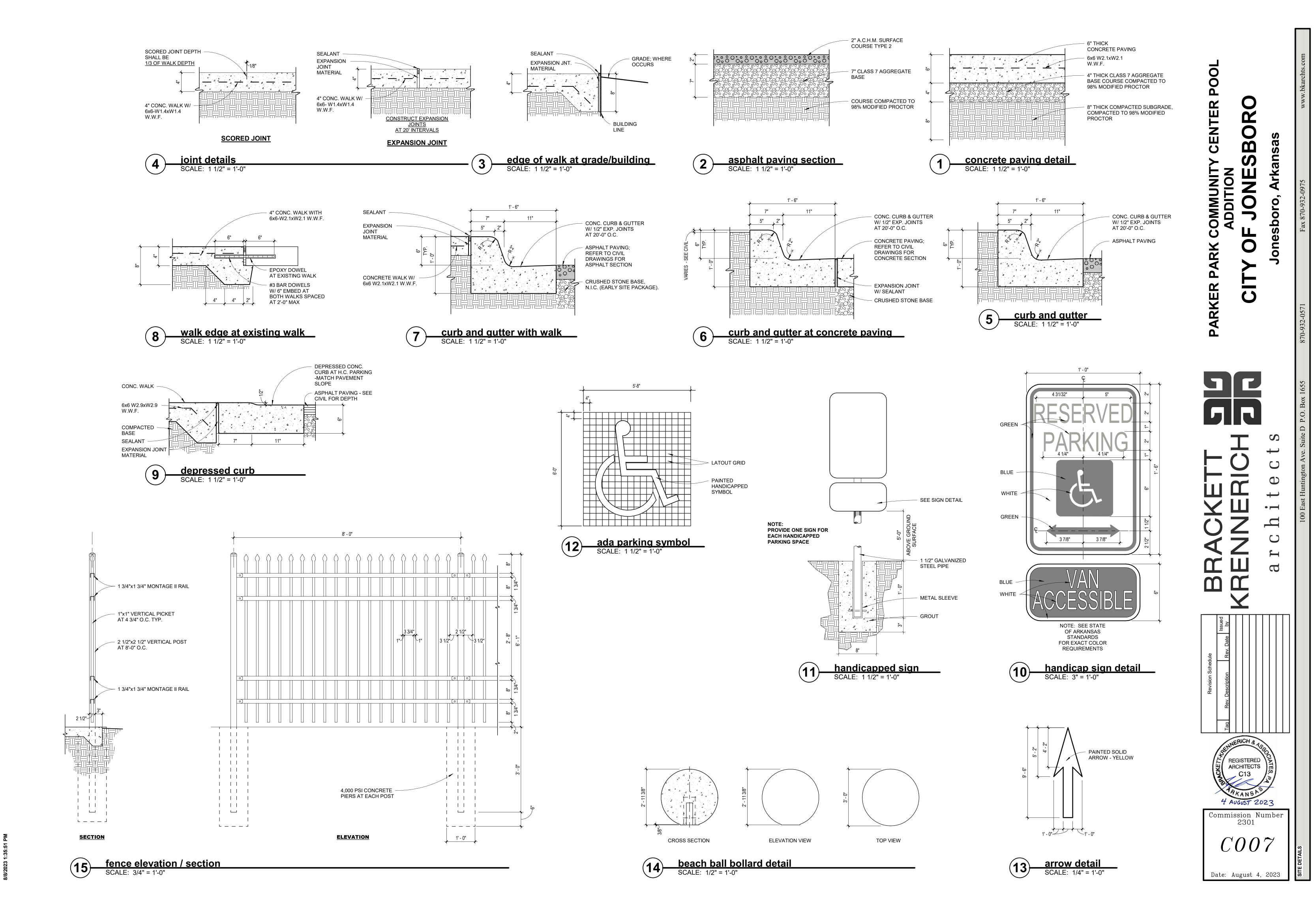
CONTAINER GROWN PLANTING NOT TO SCALE





landscape plan SCALE: 1" = 20'-0"

Commission Number 2301 *C006*

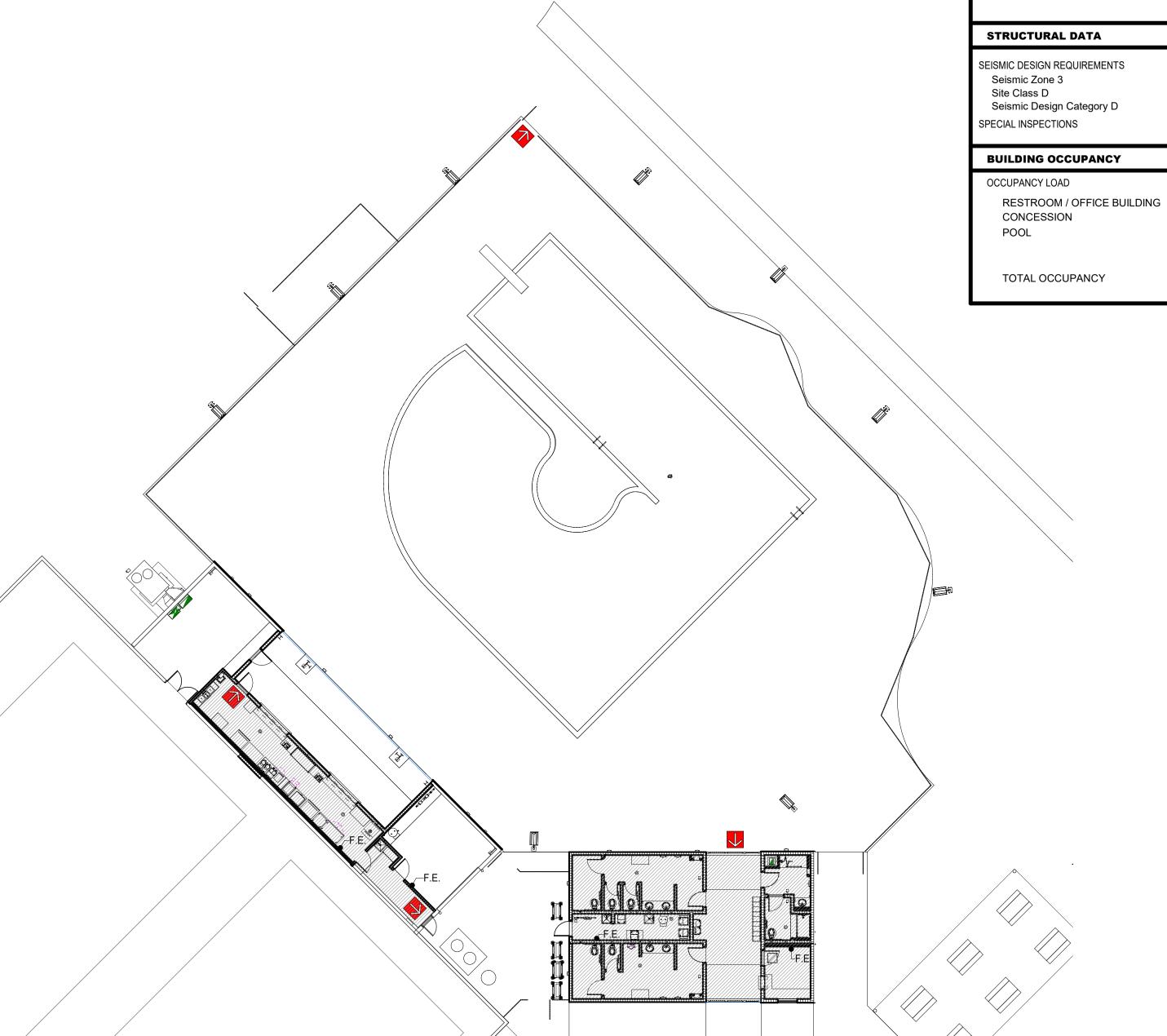


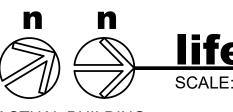
LIFE	LIFE SAFETY LEGEND						
F.E. F.E.C.	FIRE EXTINGUISER FIRE EXTINGUISER CABINET						
\uparrow	EGRESS						

APPLICABLE C	ODES		EGRESS								
2018 ARKANSAS 2021 ARKANSAS 2020 NATIONAL E 2018 INTERNATIO 2014 ARKANSAS 2003 ICC/ANSI A1	17.1 AMERICAN NATIONAL STAND ET.SEQ. (ARKANSAS STATE LAW)		Maximum common path of egress Exit access travel distance Dead end corridor distance Minimum door size Egress width per occupant Stairways Other egress components Minimum number of exits - Pool A		75'-0" 200'-0" 20'-0" 36" (ADA) .3 inches .2 inches TWO (2)						
	y Type - Swimming pool	Group A4, Assembly	FIRE PROTECTION	1110 (2)							
Existing Building A New Restroom / O New Pool Area New Pool Deck Are New Building Heig Number of Stories Type of Construction Existing Building New Restroom Allowable Height (**)	ea ea ent	Group A3, Assembly 20,525 square feet 1,442 square feet 4,228 square feet 10,229 square feet 19'-10" One (1) TYPE IIB TYPE V B 40'-0" 6,000 square feet	Occupancy Separation Fire Alarm Smoke Alarm	Provided Provided	(Non-Separated Use) Section 907.2 Section 907						
Stories Allowed (Table	Closest structure or property ling Closest Structur	ne is greater than 30'-0"									
	DATA UIREMENTS ategory D	Section 1704									

269

275





life safety plan

SCALE: 1/16" = 1'-0"

ACTUAL BUILDING

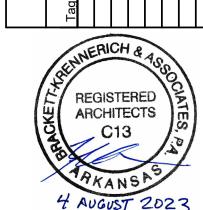
RENNERICH architects

ARK

Com

LS001

REGISTERED ARCHITECTS
C13



Date: August 4, 2023

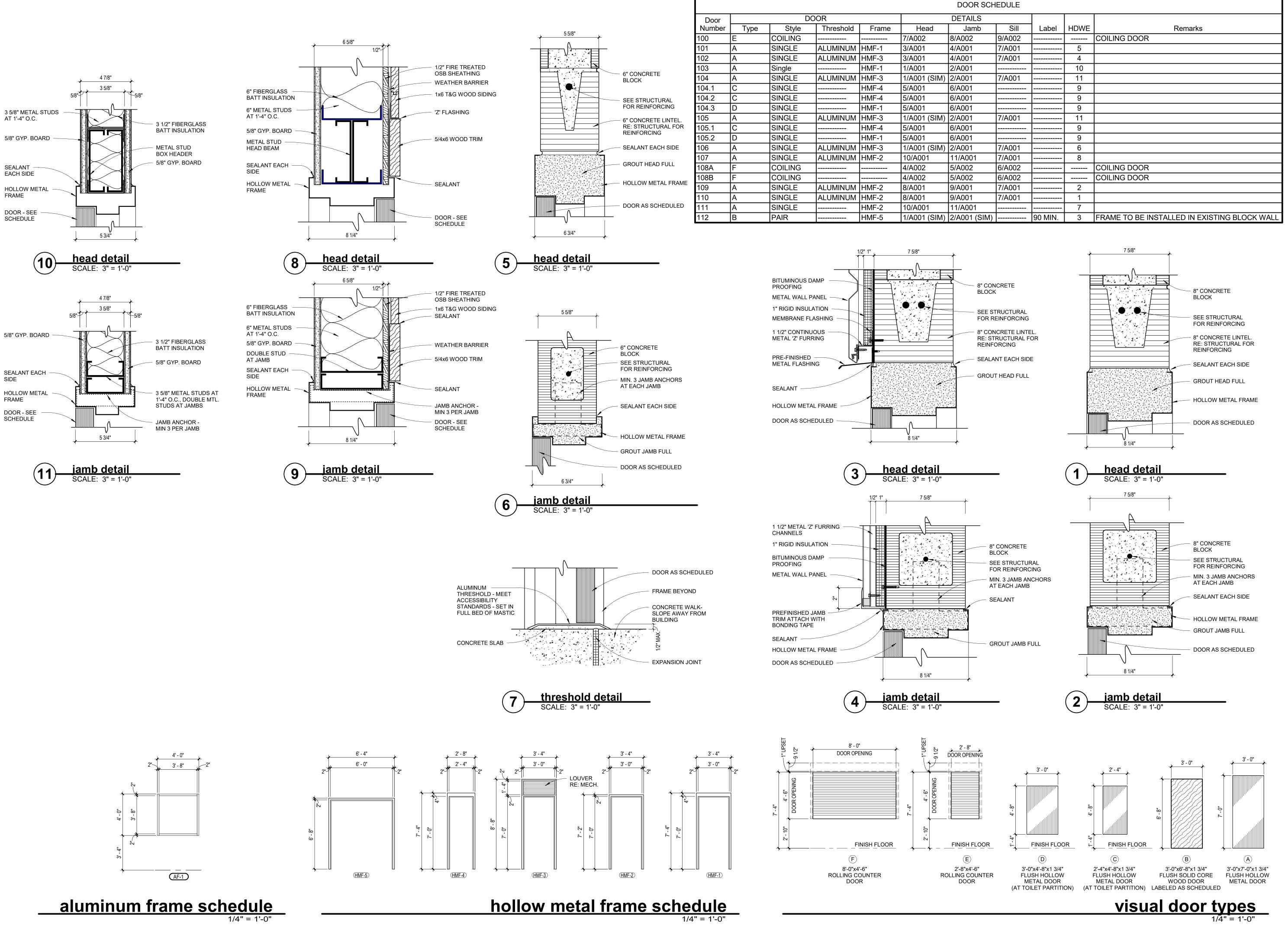
demolition floor plan

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

(e3)

8

e5



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Commission Number 2301

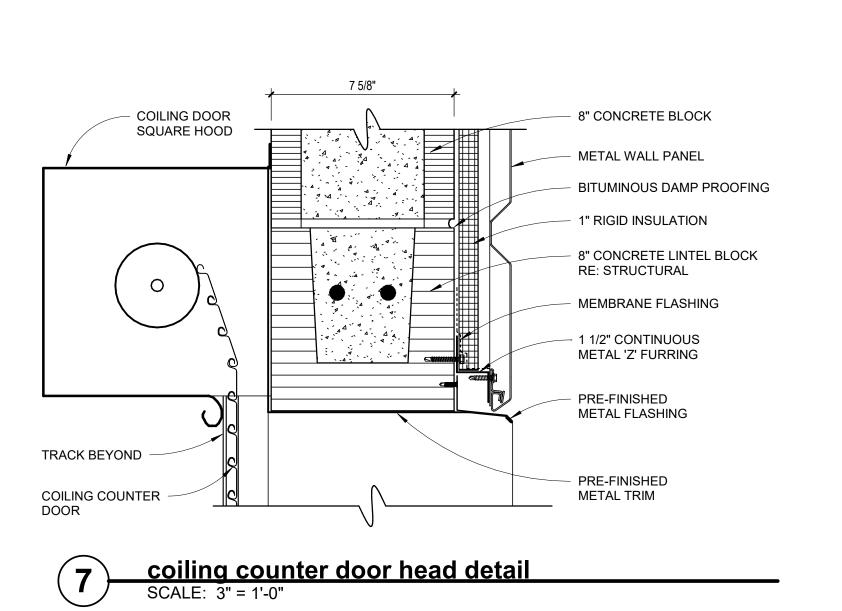
NERICH &

REGISTERED ARCHITECTS

<u>es</u> | AUU

C

0



8" CONCRETE BLOCK

FILL END CELL WITH

CONCRETE AND #5

REINFORCING

DOOR GUIDE

COUNTER DOOR

DOOR GUIDE

COUNTER DOOR

MILLWORK TO

2x NAILERS

OPENING

AT WINDOW

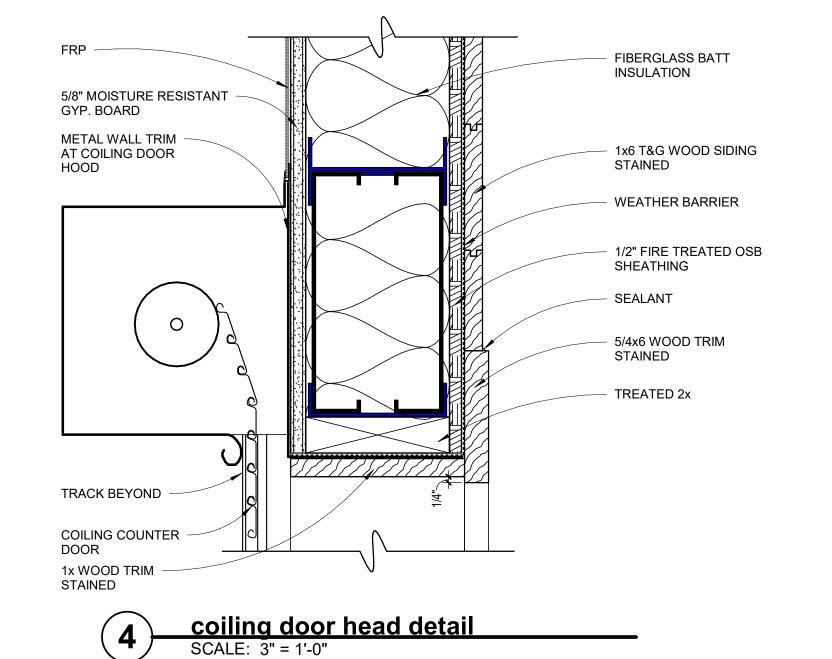
COVER NAILERS

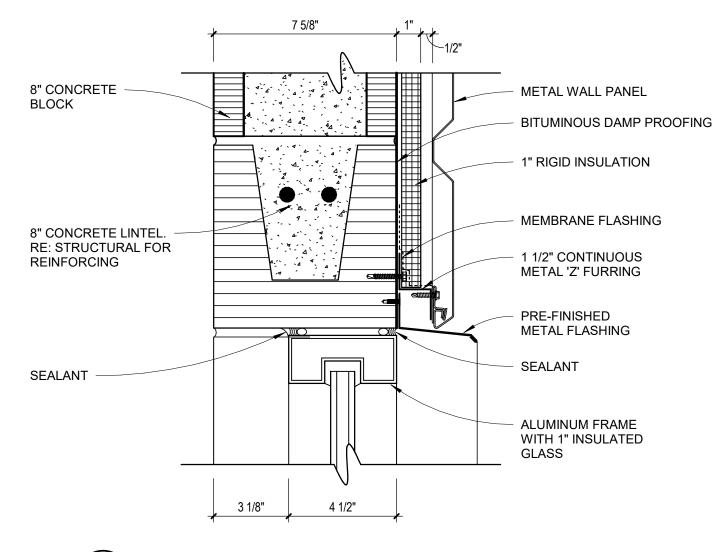
BEYOND

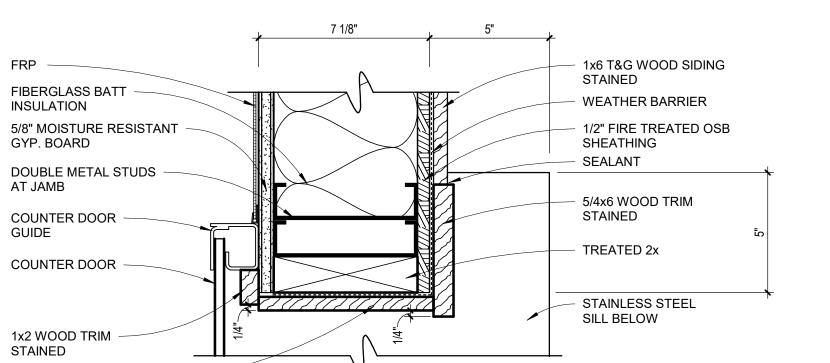
coiling counter door jamb detail
SCALE: 3" = 1'-0"

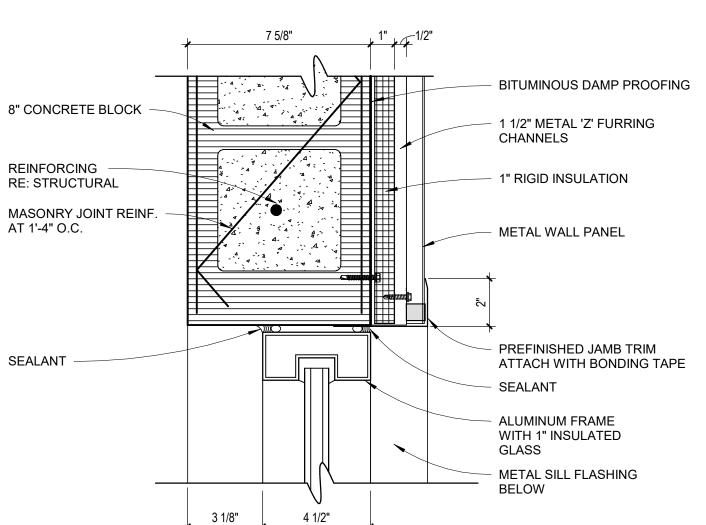
7 5/8"

coiling counter sill detail
SCALE: 3" = 1'-0"









iamb detaill



BITUMINOUS DAMP PROOFING

1 1/2" METAL 'Z' FURRING

1" RIGID INSULATION

METAL WALL PANEL

PREFINISHED JAMB TRIM

TURN S.S. TOP UP

STAINLESS STEEL

TOP, EDGES, AND

BOTTOM

1/2" FRONT

2x4 FRAMING

1/2" BOTTOM

CHANNEL

SEALANT

METAL TRIM

METAL ATTACHMENT

- METAL BLIND TRIM CLIP

- ATTACHMENT REVIT

METAL WALL PANEL

1" RIGID INSULATION

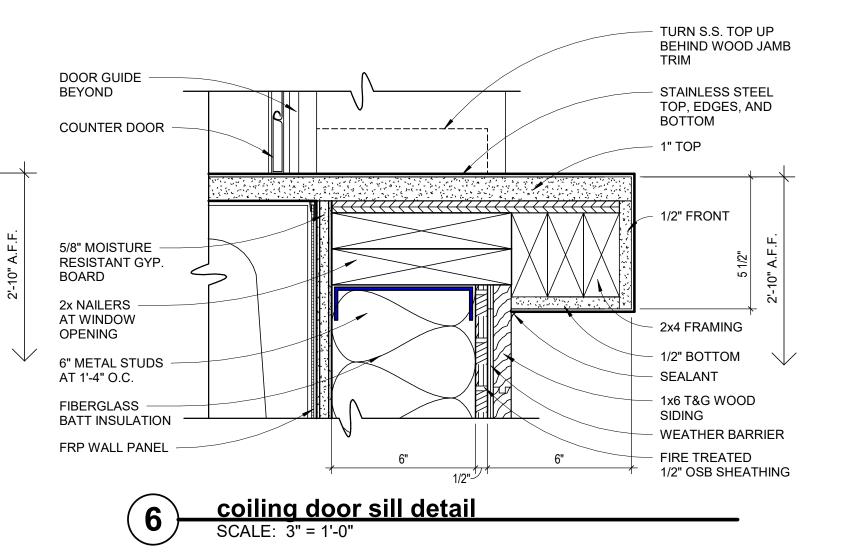
1" TOP

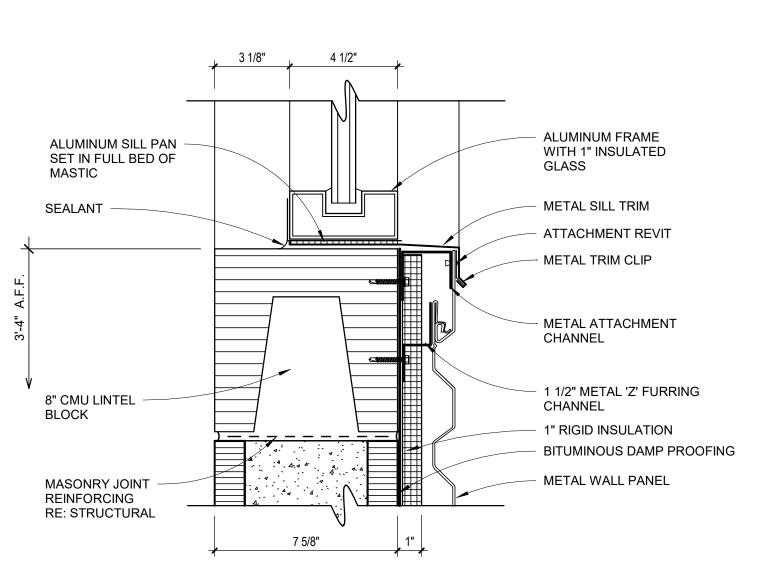
BEHIND METAL JAMB

ATTACH WITH BONDING TAPE

CHANNELS

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





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



NERICH &

REGISTERED ARCHITECTS

C13

4 AUGUST 2023

Commission Number

2301

A002

Date: August 4, 2023

FIT SIGH SIGH SITY CITY

CENTER

O. Box 1655 870-9

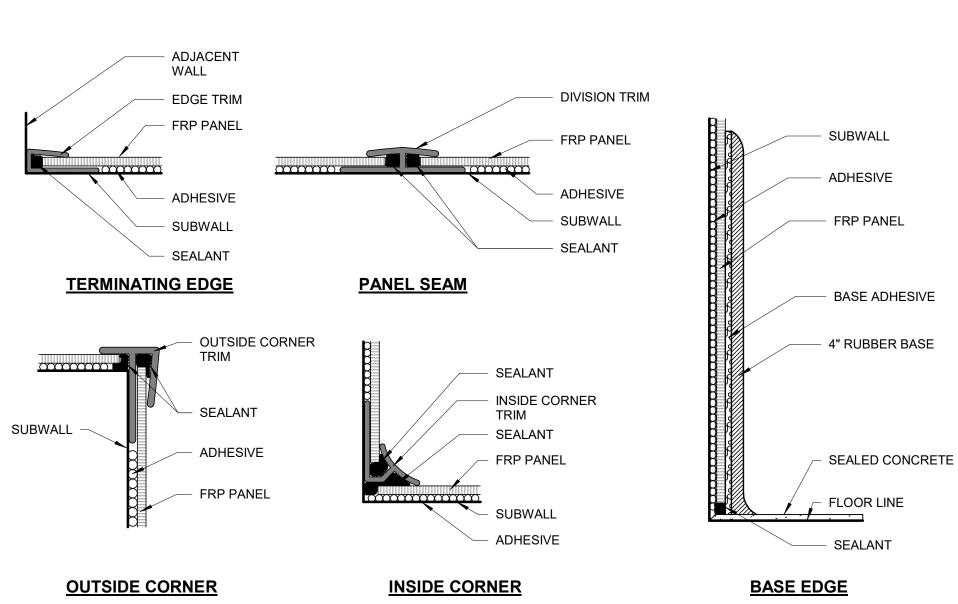
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BROOM FINISHED CONCRETE

0FFICE 101 4

	FINISH SCHEDULE GENERAL NOTES								
[1]	PAINT FULL LENGTH OF EXISTING EAST WALL AT INTERIOR OF GYM WHERE WORK IS BEING PERFORMED.								
[2]	SIDEWALL AIR DIFFUSERS TO BE FIELD PAINTED TO MATCH ADJACENT WALL COLOR.								
[3]	WALLS TO RECEIVE 4'-0" TALL EPOXY COATED WAINSCOT								
[4]	DESIGN INTENT IS TO PAINT ALL NEW & EXISTING METAL WALL PANELS OF EXISTING RENOVATION "LEAN TO" STRUCTURE. THIS INCLUDES EXISTING SECTION DOOR, WALK DOOR, & FRAME, GUTTERS, DOWNSPOUTS & ASSOCIATED TRIM. THIS SCOPI ALSO INCLUDES THE ENTIRE EAST FACE OF THE EXISTING BUILDING INCLUDING METAL WALL PANEL, TRIM, GUTTERS, DOWNSPOUTS, AND MASONRY BASE.								
[5]	PROVIDE LEVEL 2 FINISH AT THIS WALL.								





0

ENTER

COMMUNITA

M

ono

NO PAINTING
BEYOND THIS POINT

PAINT FULL LENGTH OF THIS INTERIOR WALL

CONCESSION

 $\begin{tabular}{ll} \hline & NO PAINTING \\ \hline & BEYOND THIS POINT \\ \hline \end{tabular}$

⊿ 109

<u>PATIO</u>

110

MECHANICAL CHASE 106

floor finish plan
SCALE: 1/8" = 1'-0"

BROOM FINISHED

- EXPOSED STEEL -

EXTERIOR METAL WALL PANEL AND TRIM AND BLOCK TO BE PAINTED

CONCRETE

REGISTERED ARCHITECTS

Commission Number 2301 A003

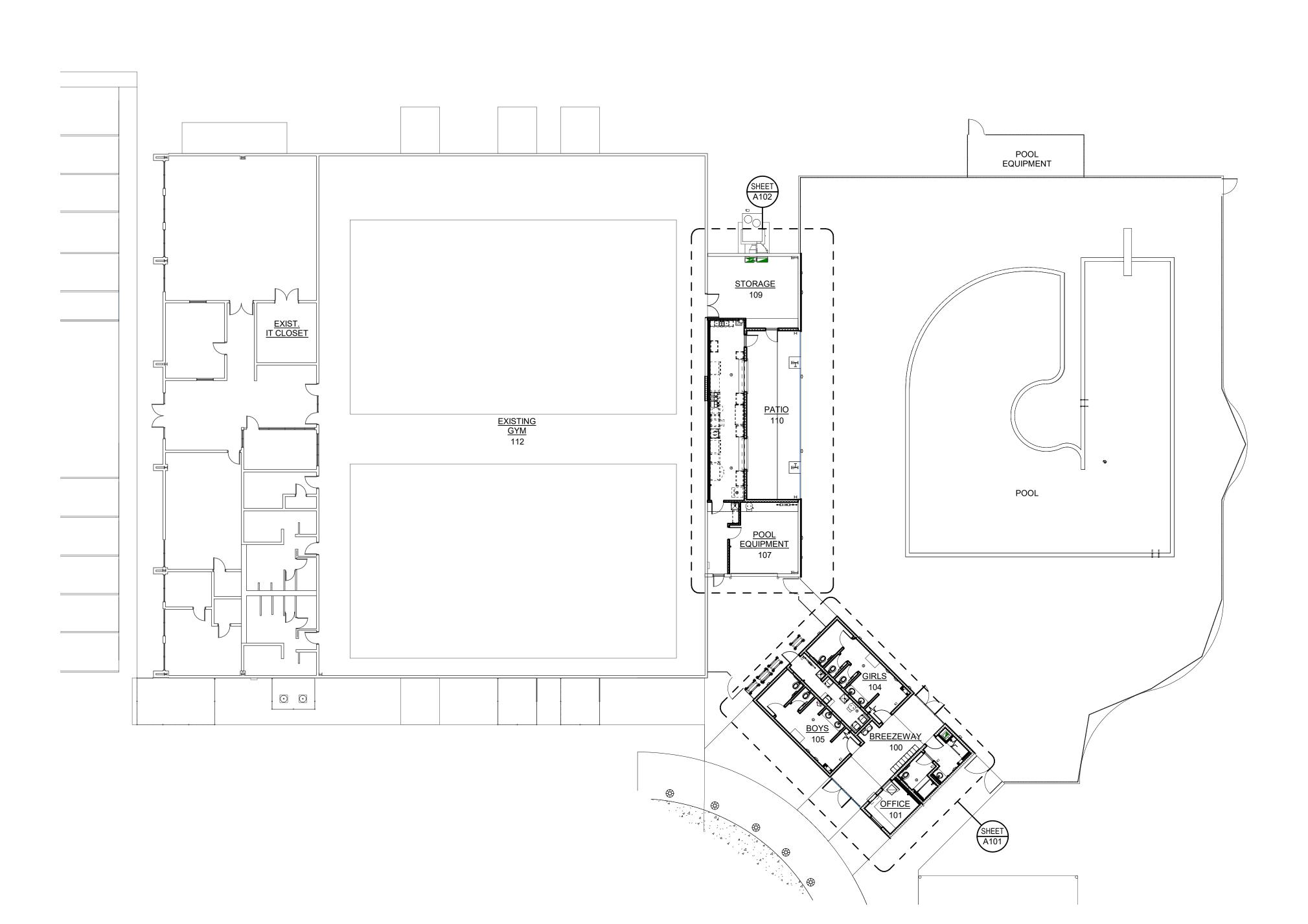
Date: August 4, 2023

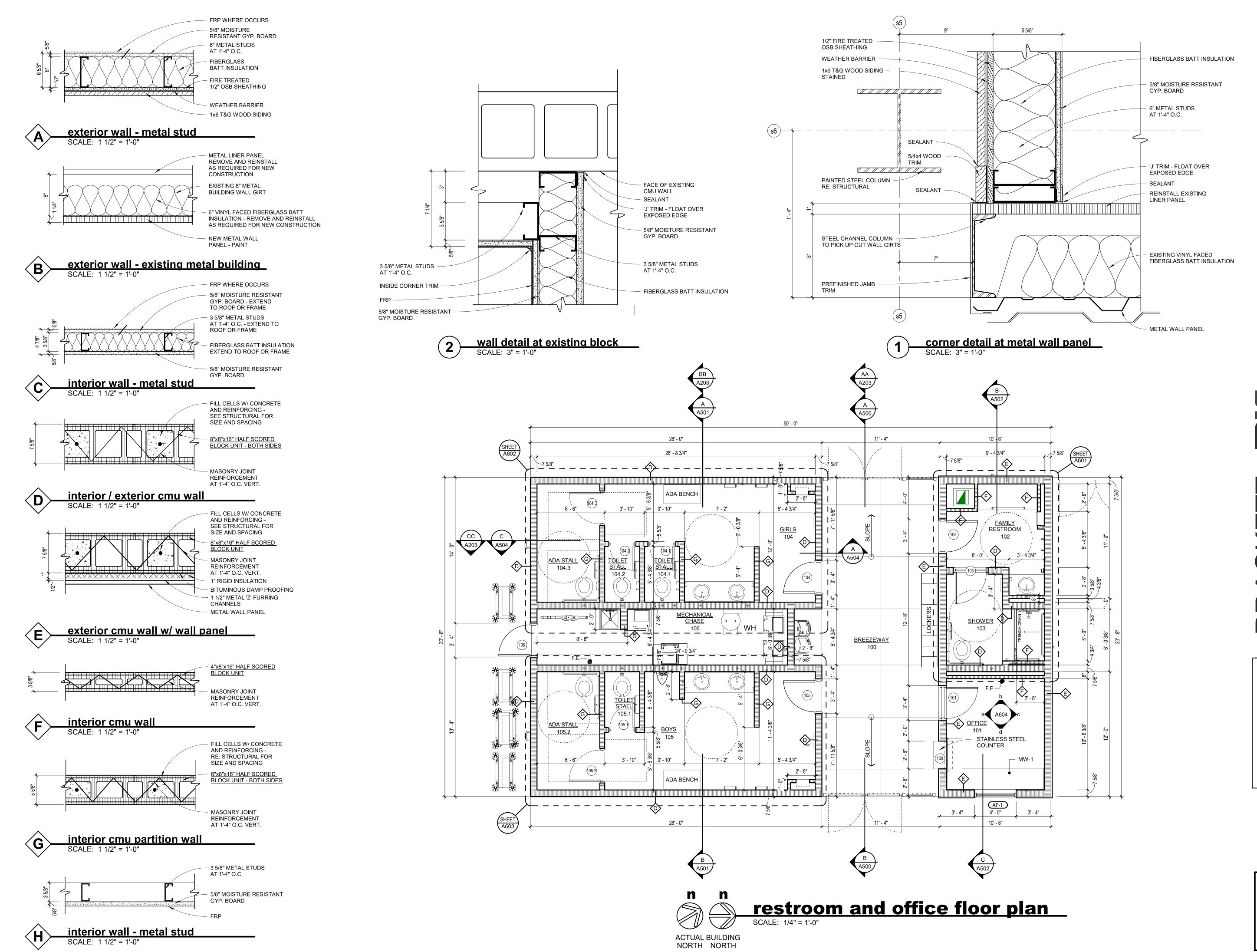
FRP panel details

SCALE: 12" = 1'-0"

overall floor plan

SCALE: 1/16" = 1'-0"





CENTER

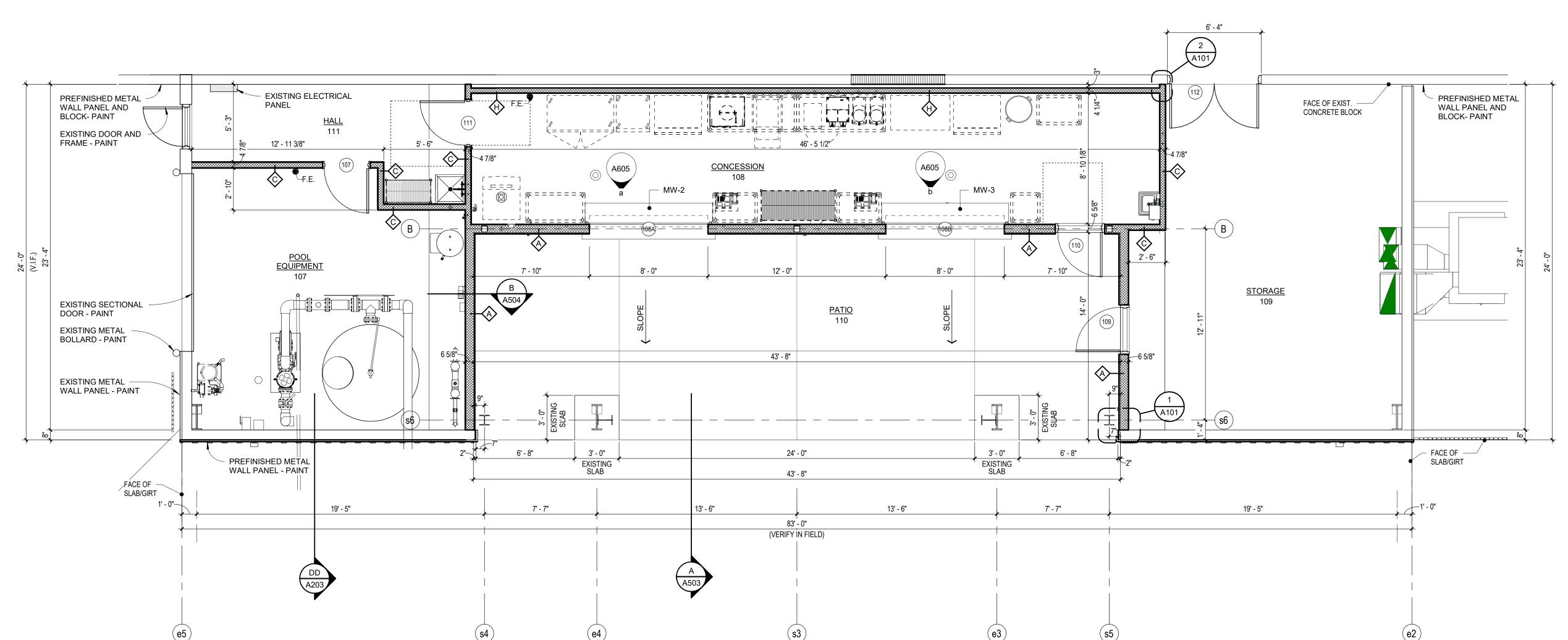
NERICH & REGISTERED ARCHITECTS

Commission Number 2301

concession equipment floor plan

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

	KITCHEN EQUIPMENT SCHEDULE																
		ELECTRICAL							WATER WASTE GAS								
ITEM NO.	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL NUMBER	F.L. AMPS		VOLTS		Τ.	PLUG		COLD	INDIRECT	DIRECT	SIZE	ВТО	REMARKS
03	1	UPRIGHT REACH-IN REFRIGERATOR	ATOSA	MBF8004	4	1	/6 11	5 1		Х							BY OWNER
04	1	UPRIGHT REACH-IN FREEZER	ATOSA	MBF8002	12	3	/4 11	5 1		Х							BY OWNER
05	2	POINT OF SALE DRINK COOLER WITH SLIDING DOOR	BY OWNERS VENDOR	SVET-3630			12	20		Х							BY OWNER
06	1	POPCORN POPPER	STAR MANUFACTURING	G14-Y			12	20		Х							BY OWNER
07	1	HOT DOG ROLLER GRILL WITH BUN DRAWER	STAR MANUFACTURING	30SCBDE			12	20		Х							BY OWNER
80	1	HEATED PERISTATIC CONDIMENT DISPENSER	STAR MANUFACTURING	HPDE2HP			12	20		Х							BY OWNER
09	2	MILLWORK WITH STAINLESS STEEL COUNTER	SEE MILLWORK														SEE MILLWORK
10	2	CASH REGISTER	BY OWNER							Х							BY OWNER: PROVIDE DATA
11	1	ANGLE CURVED TOPCHEST FREEZER	ATOSA	MMF-9112			11	5 1		Х							BY OWNER
12	1	CUBE ICE MACHINE	SCOTSMAN	CO322SA-1		6.9	11	5 1		Х							BY OWNER: PROVIDE FLOOR DRAIN
13	1	ICE CUBE MODULAR BIN	SCOTSMAN	B322S		T											BY OWNER
14	1	WATER FILTER	SCOTSMAN	AP1-P													BY OWNER
15	1	24"x60" WIRE SHELF WITH CASTERS															BY OWNER
16	2	COFFEE MAKER	BY OWNERS VENDOR				12	20		X		1/2"					BY OWNER
17	2	TEA MAKER	BY OWNERS VENDOR				12	20		Х		1/2"					BY OWNER
18	1	HANDWASH SINK	SEE PLUMBING								1/2"	1/2"		1 1/2"			SEE PLUMBING
19	1	SOAP DISPENSER	SEE SPECIFICATIONS		\Box	十	\top	T									
20	1	PAPER TOWEL DISPENSER	SEE SPECIFICATIONS			T	T										
21	2	COILING COUNTER DOOR	SEE DRAWINGS AND SPECIFICATIONS			\top	\top	T									MANUAL OPERATION
22	2	TRASH CAN, LID AND DOLLY				T	\top	T									BY OWNER
23	1	18"x36" WIRE SHELF WITH CASTERS				十	丁										BY OWNER
24	3	24"x36" S.S. PORTABLE WORK TABLE WITH UNDER SHELF	BK RESOURCES			\top	T										BY OWNER
25	1	24"x24" JANITOR'S SINK WITH MOP RACK				\top	T	T									SEE PLUMBING
26	1	24"x48" S.S. PORTABLE WORK TABLE	BK RESOURCES			T	T	T									BY OWNER
27	1	24"x24" S.S. PORTABLE WORK TABLE WITH UNDER SHELF	BK RESOURCES			十	╅	T									BY OWNER
28	2	30"x72" S.S. PORTABLE WORK TABLE WITH UNDER SHELF	BK RESOURCES														BY OWNER







NNERICH UNITER OF IT Chitects

Revision Schedule

Tag Rev. Description Rev. Date by

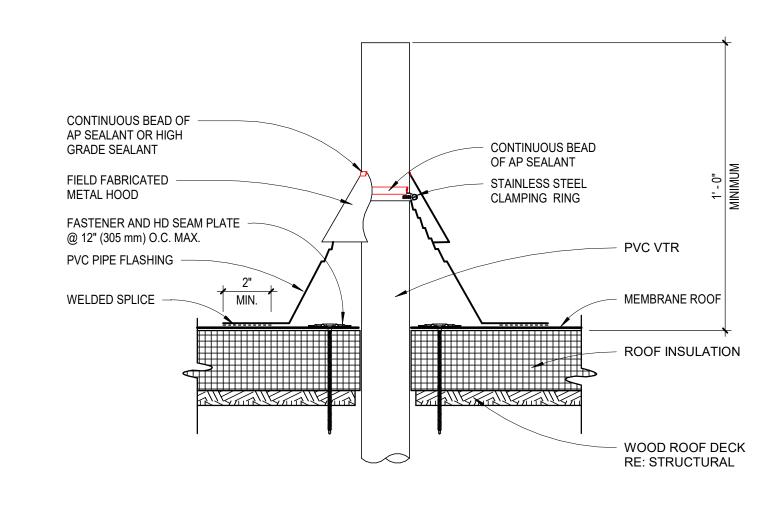
Tag Rev. Date by

REGISTERED ARCHITECTS
C13
ARCHITECTS
ARCHITECTS
C13
ARCHITECTS
ARCHITECT

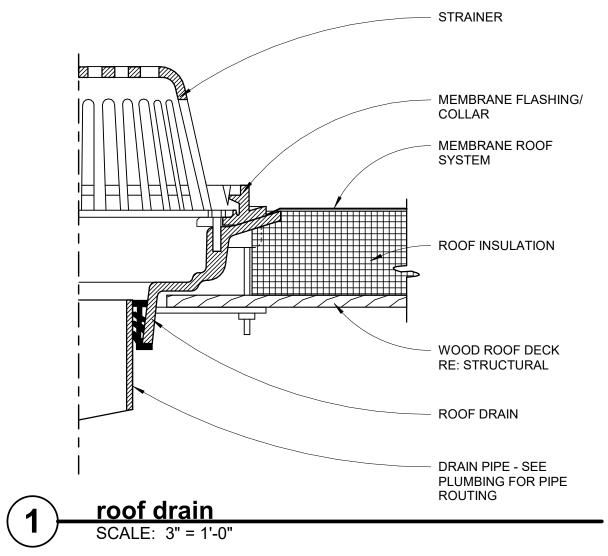
Commission Number 2301

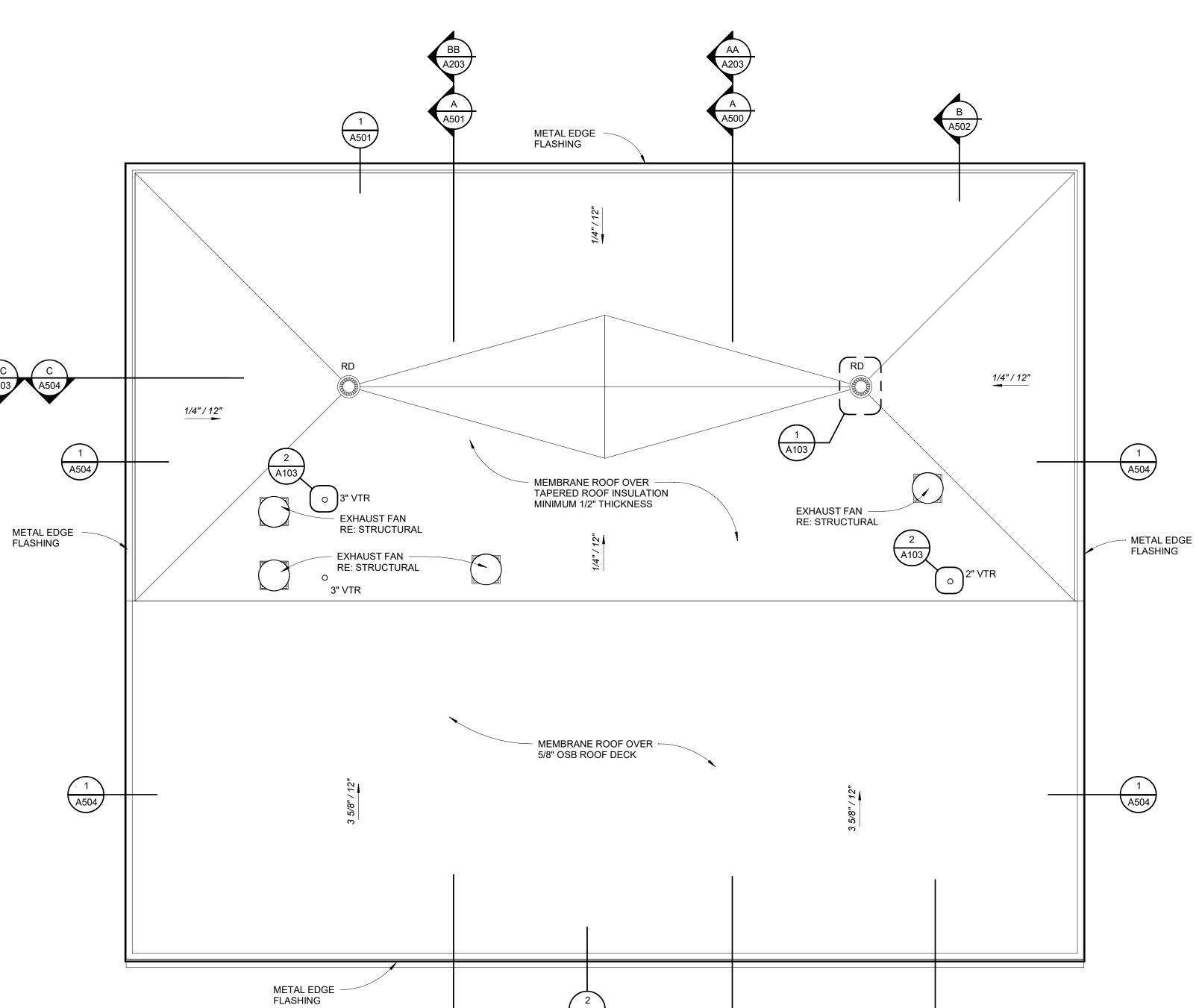
A 1 0 2

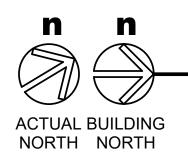
VTR detail at metal roof
SCALE: 3" = 1'-0"



2 VTR detail at TPO
SCALE: 3" = 1'-0"







restroom and office roof plan

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

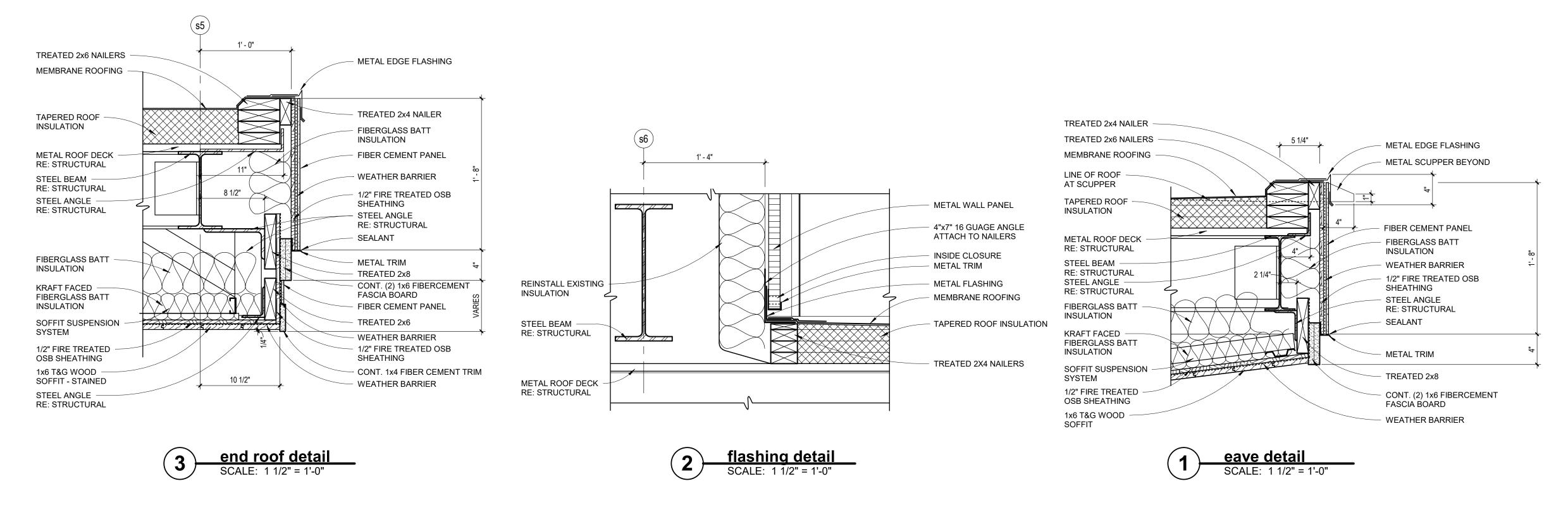
REGISTERED ARCHITECTS

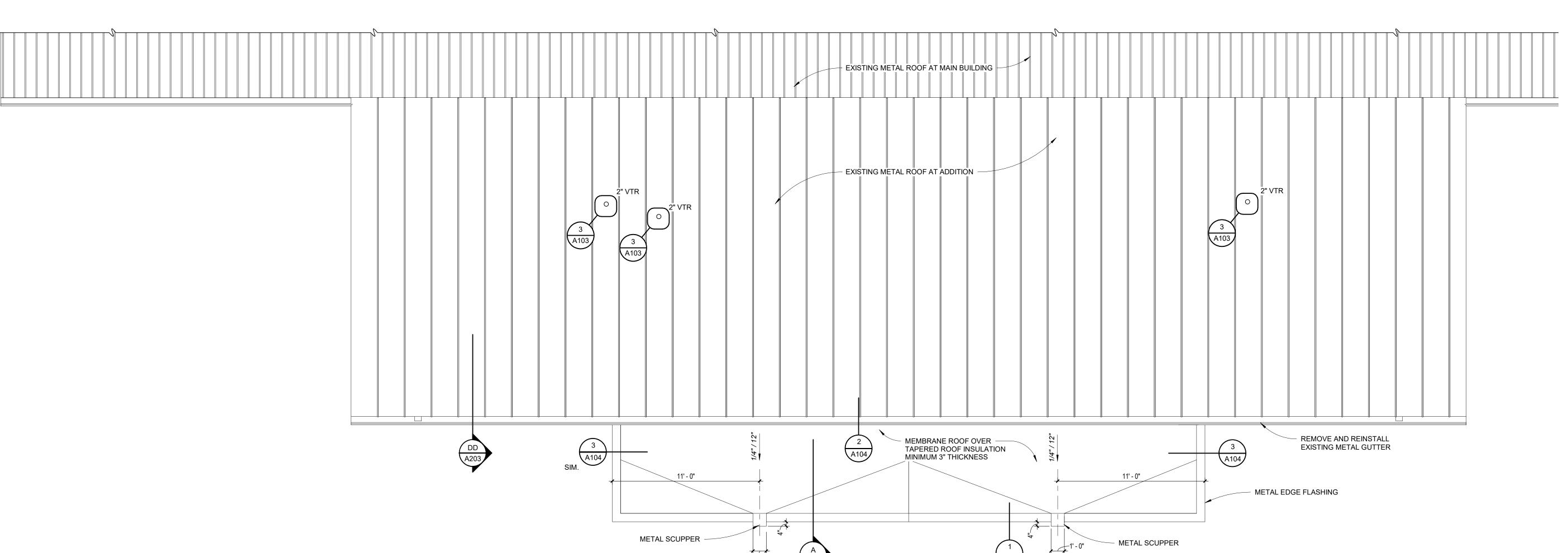
Commission Number 2301

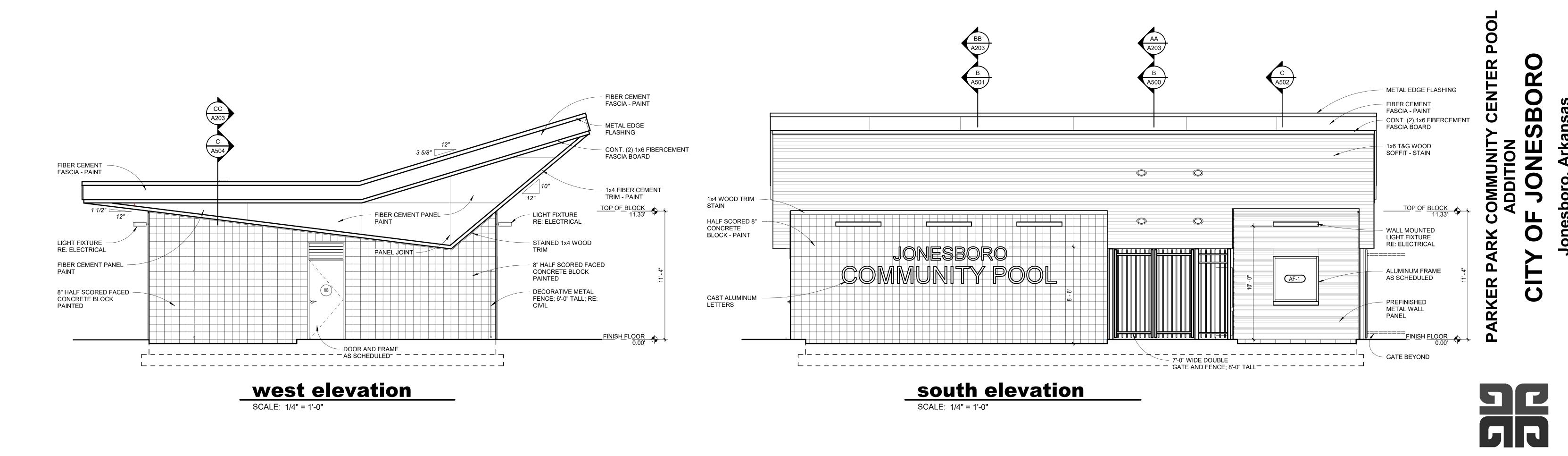
2301

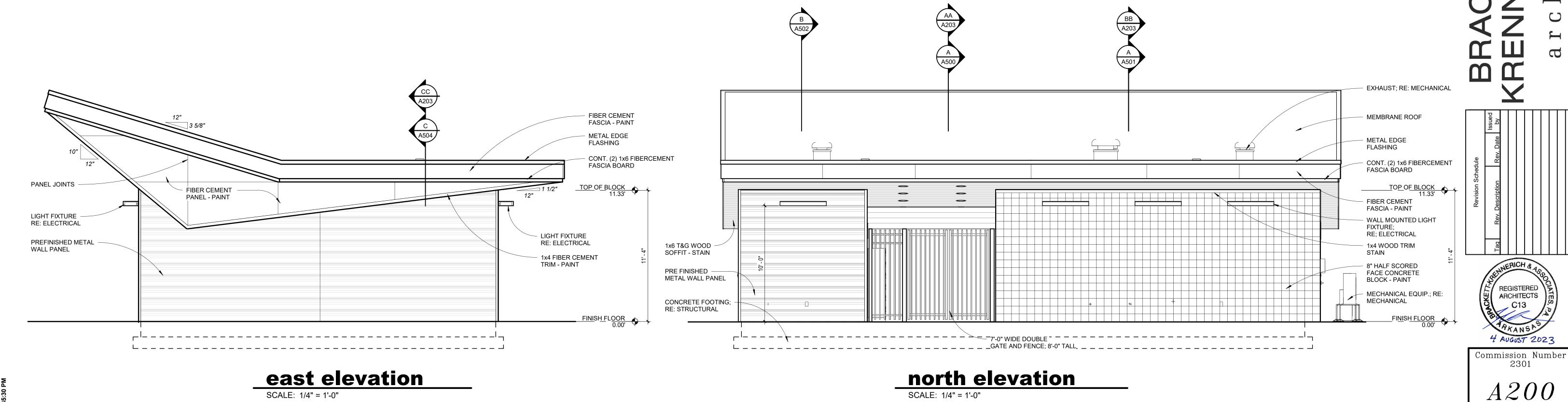
Date: August 4, 2023

REGISTERED ARCHITECTS Commission Number









Date: August 4, 2023

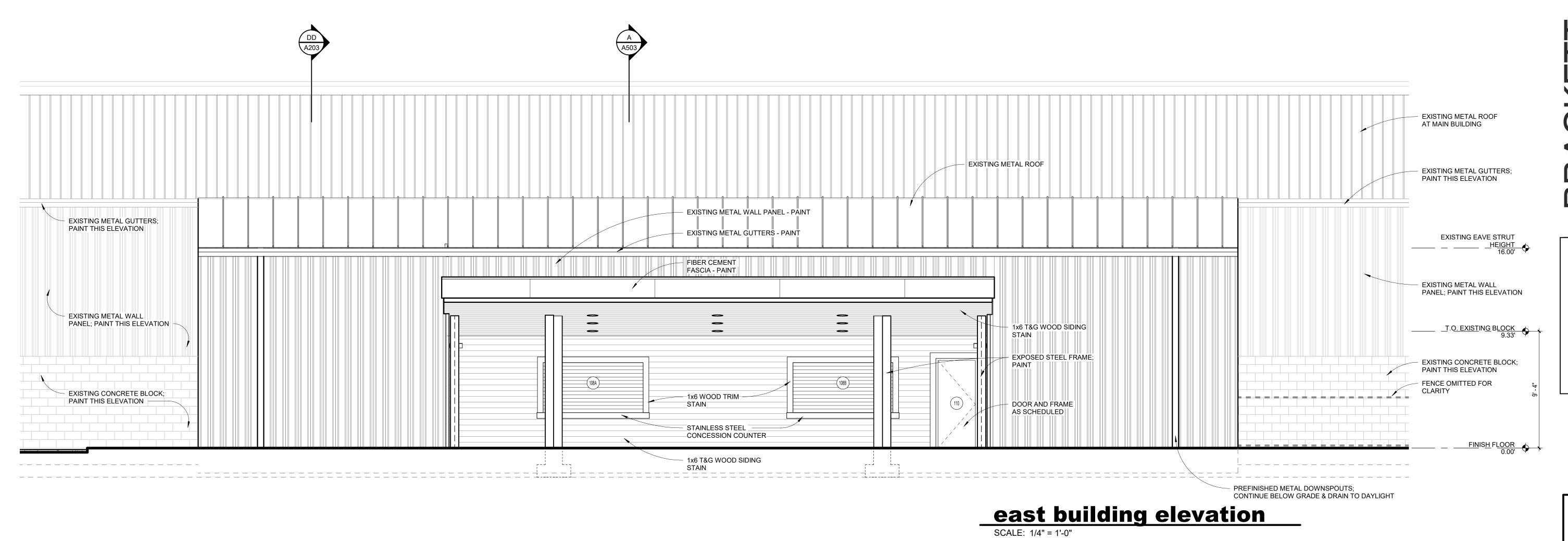
C:\Users\kylec\Desktop\REVIT LOCAL\2301 PPCC CD 06.19.23 CENTRAL -

hidden west elevation

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

TOP OF BLOCK 11.33' 1x4 WOOD TRIM -STAIN CAST ALUMINUM LETTERS 8" HALF SCORED FACE CONCRETE BLOCK PAINT FINISH FLOOR 0.00' DOOR AND FRAME AS SCHEDULED

hidden east elevation SCALE: 1/4" = 1'-0"

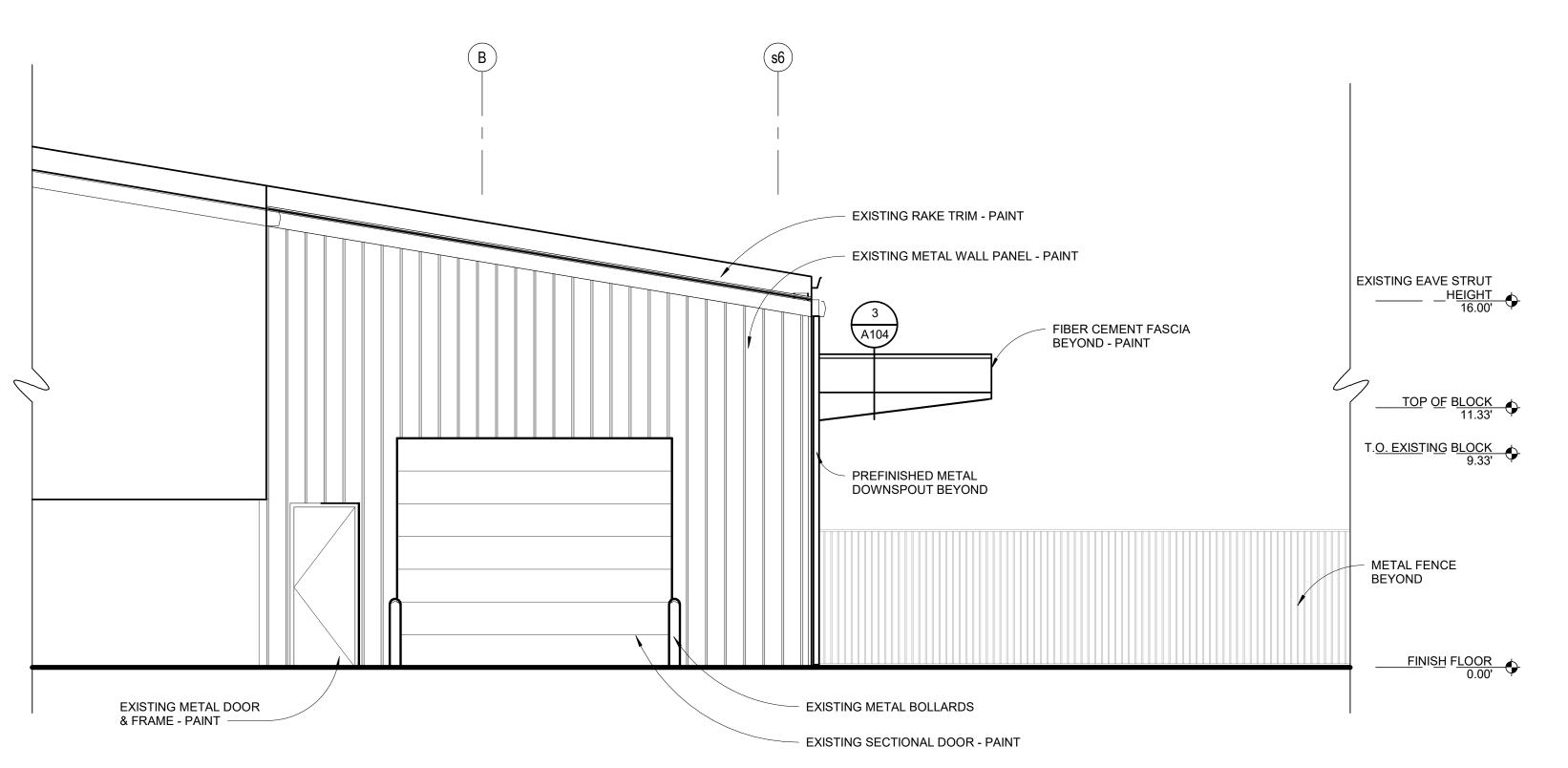


ARCHITECTS Commission Number

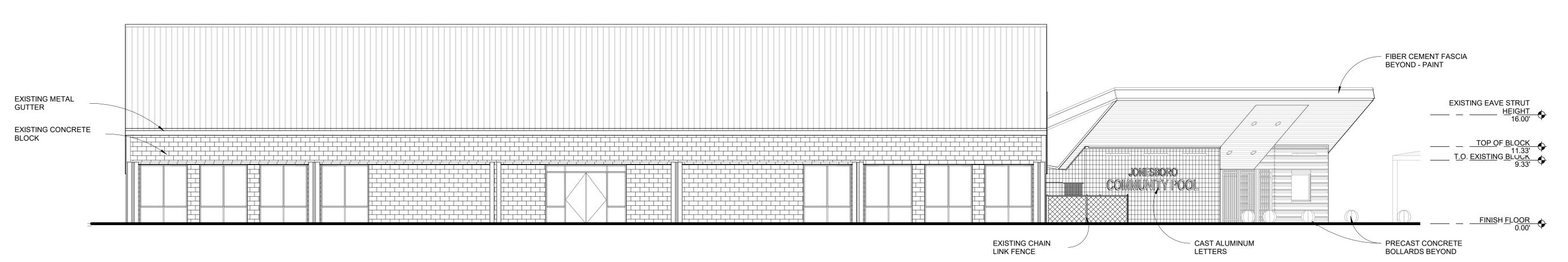
Date: August 4, 2023

PARKER PARK COMMUNITY CENTER
ADDITION
CITY OF JONESBORO

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



partial south building elevation

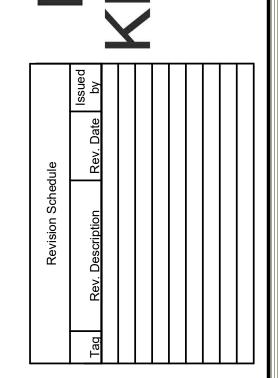


overall west building elevation SCALE: 1/8" = 1'-0"

RKER PARK COMMUNITY CENTER PO

CITY OF JONESBOI

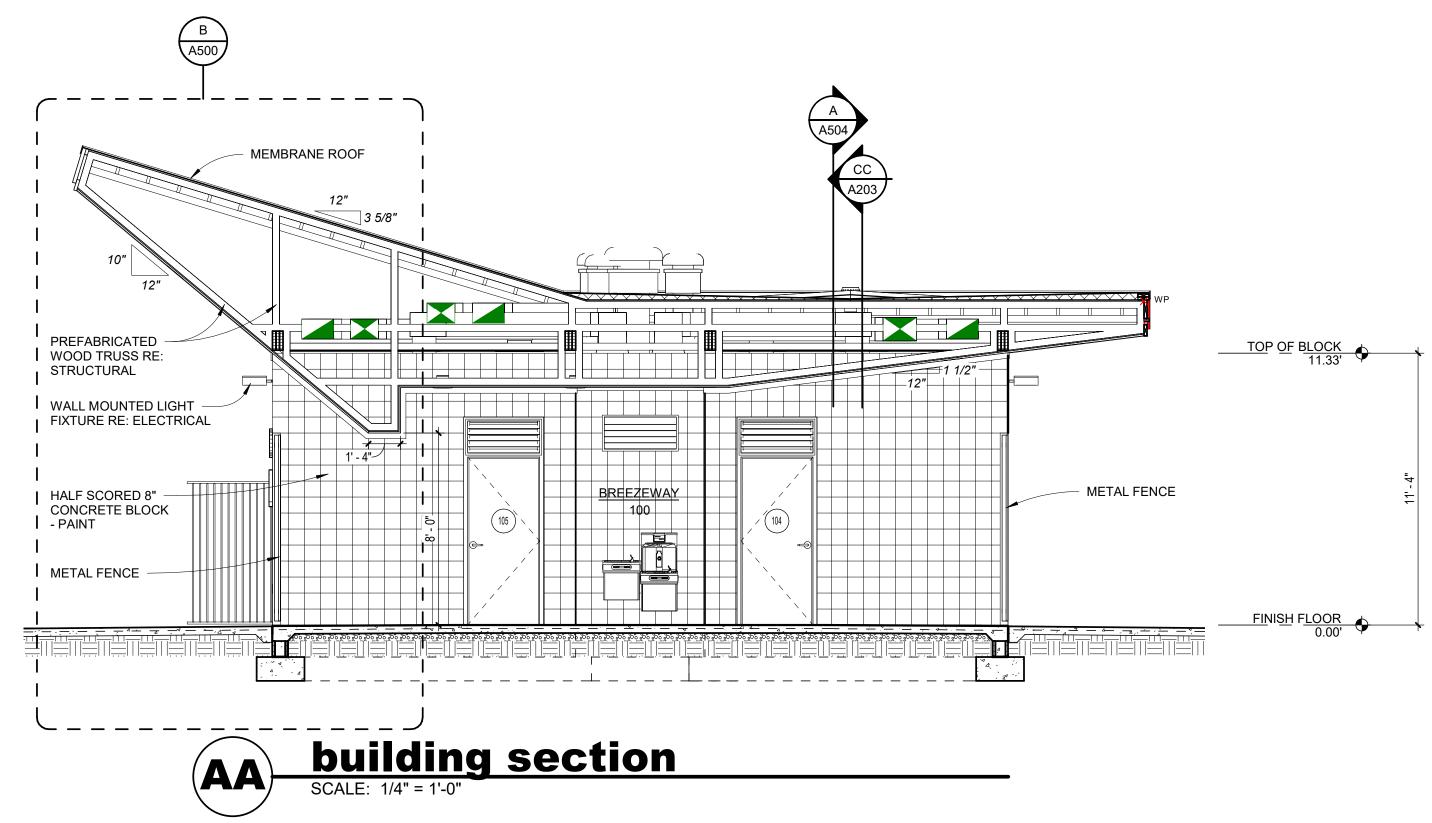
ENNERICH UF architects



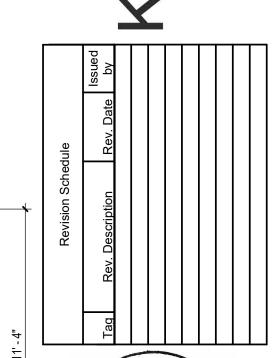
THIS IS A PRELIMINARY DRAWING NOT TO BE USED FOR ESTIMATING OR BIDDING PURPOSES. ARCHITECTS ASSUME NO LIABILITY WHATSOEVER FOR THE USE OF THIS DRAWING BY HEREIN NAMED OWNER, HIS AGENTS, OR ANY UNAUTHORIZED PERSON, FIRM, OR CORPORATION FOR CONSTRUCTION PURPOSES.

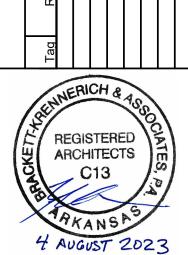
Commission Number 2301 A202

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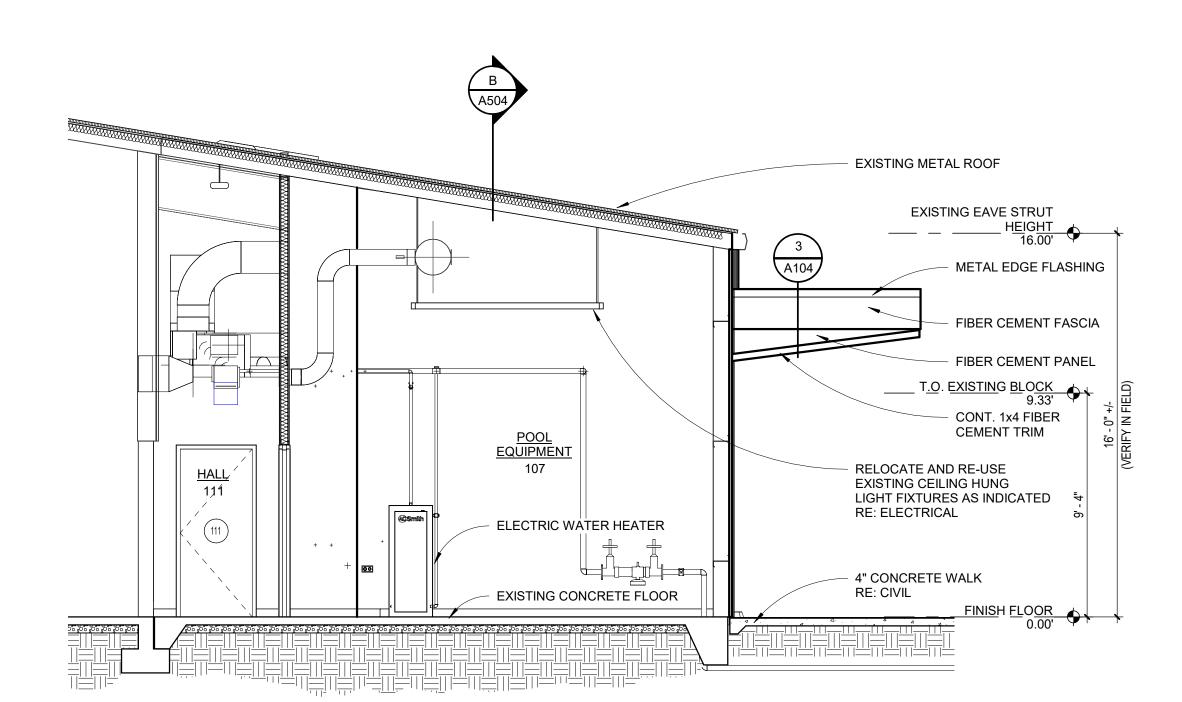




Commission Number 2301 A203

Date: August 4, 2023

C A504 EXHAUST FAN RE: MECHANICAL EXHAUST FAN RE: MECHANICAL PREFABRICATED -WOOD TRUSS RE: STRUCTURAL 1x6 T&G WOOD SOFFIT - STAIN WALL MOUNTED LIGHT FIXTURE RE: ELECTRICAL HALF SCORED 8" — CONCRETE BLOCK BREEZEWAY 100 METAL LOCKERS METAL FENCE



building section

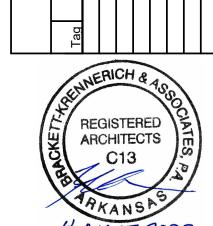
SCALE: 1/4" = 1'-0"

- PAINT

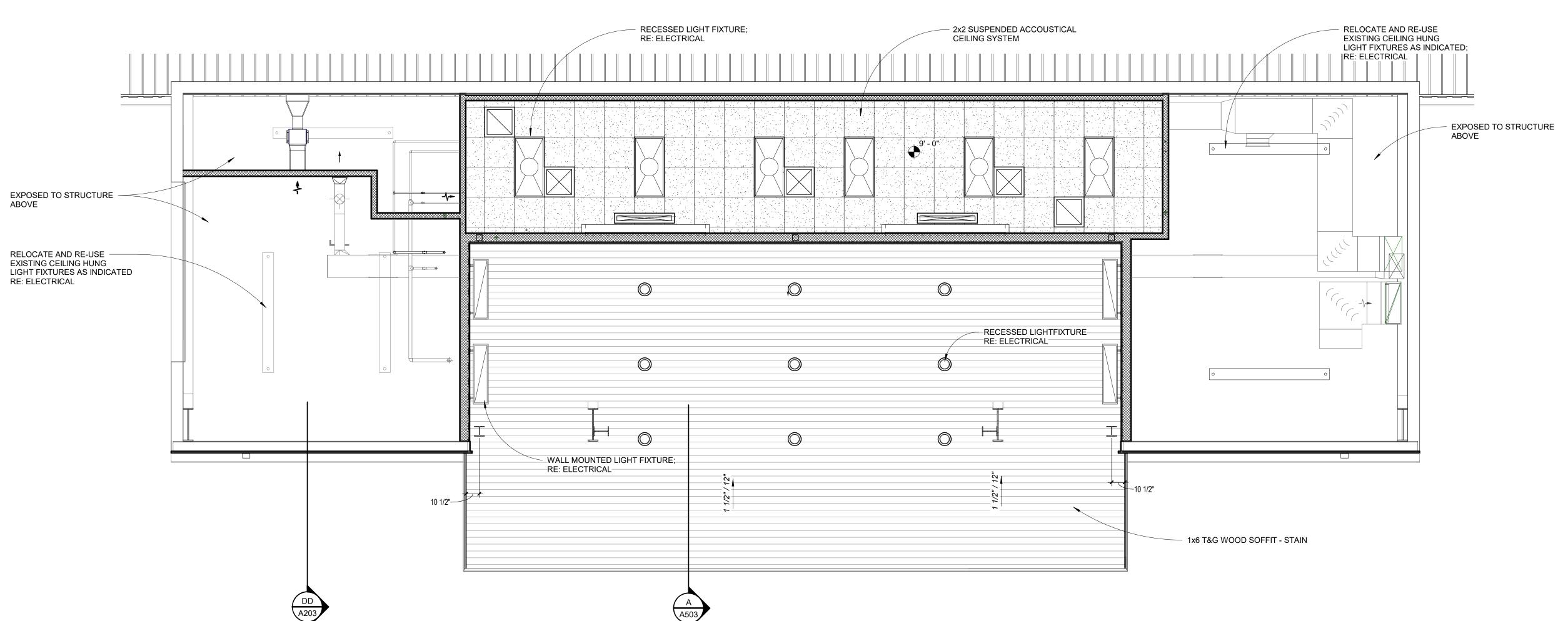
building section

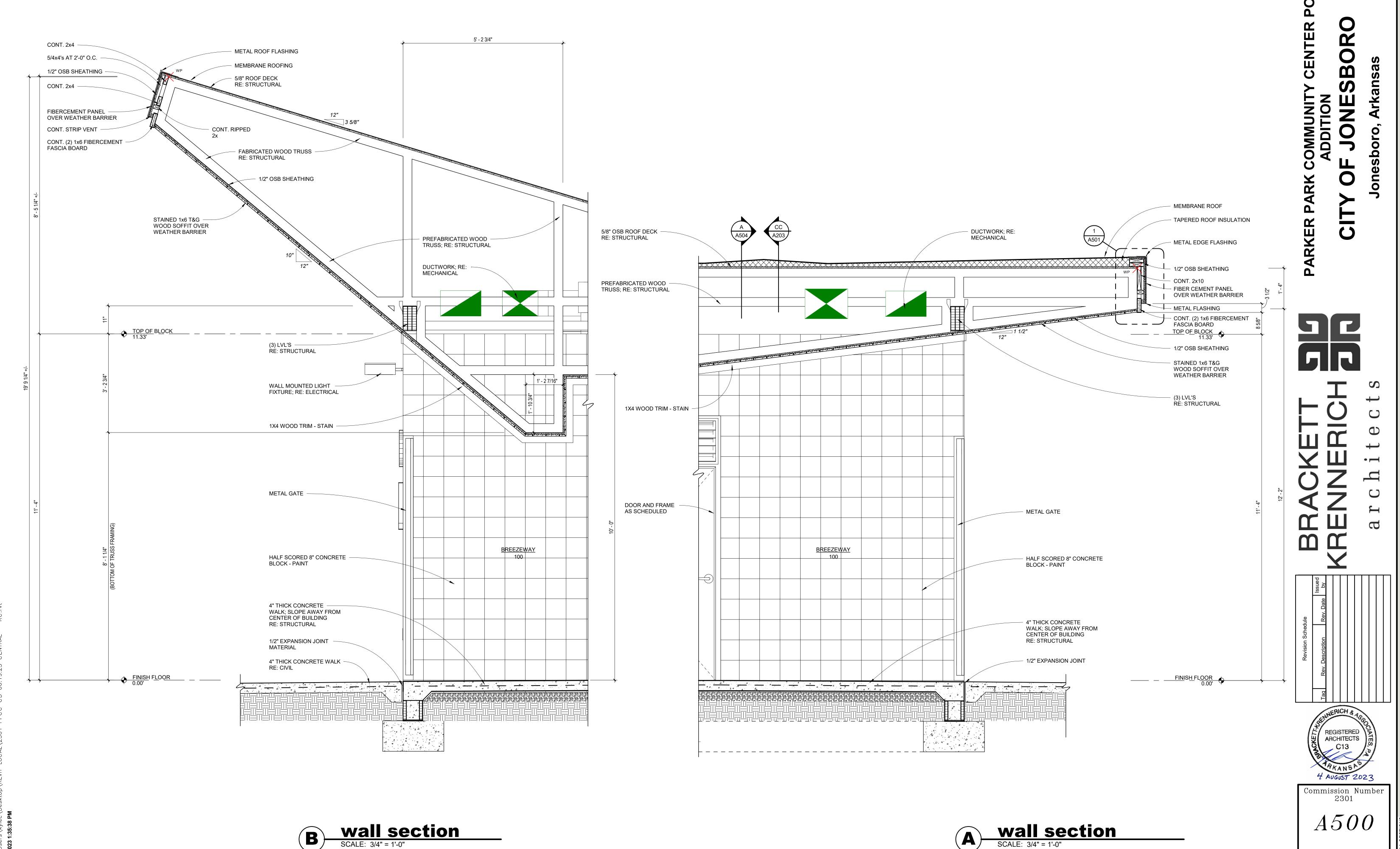
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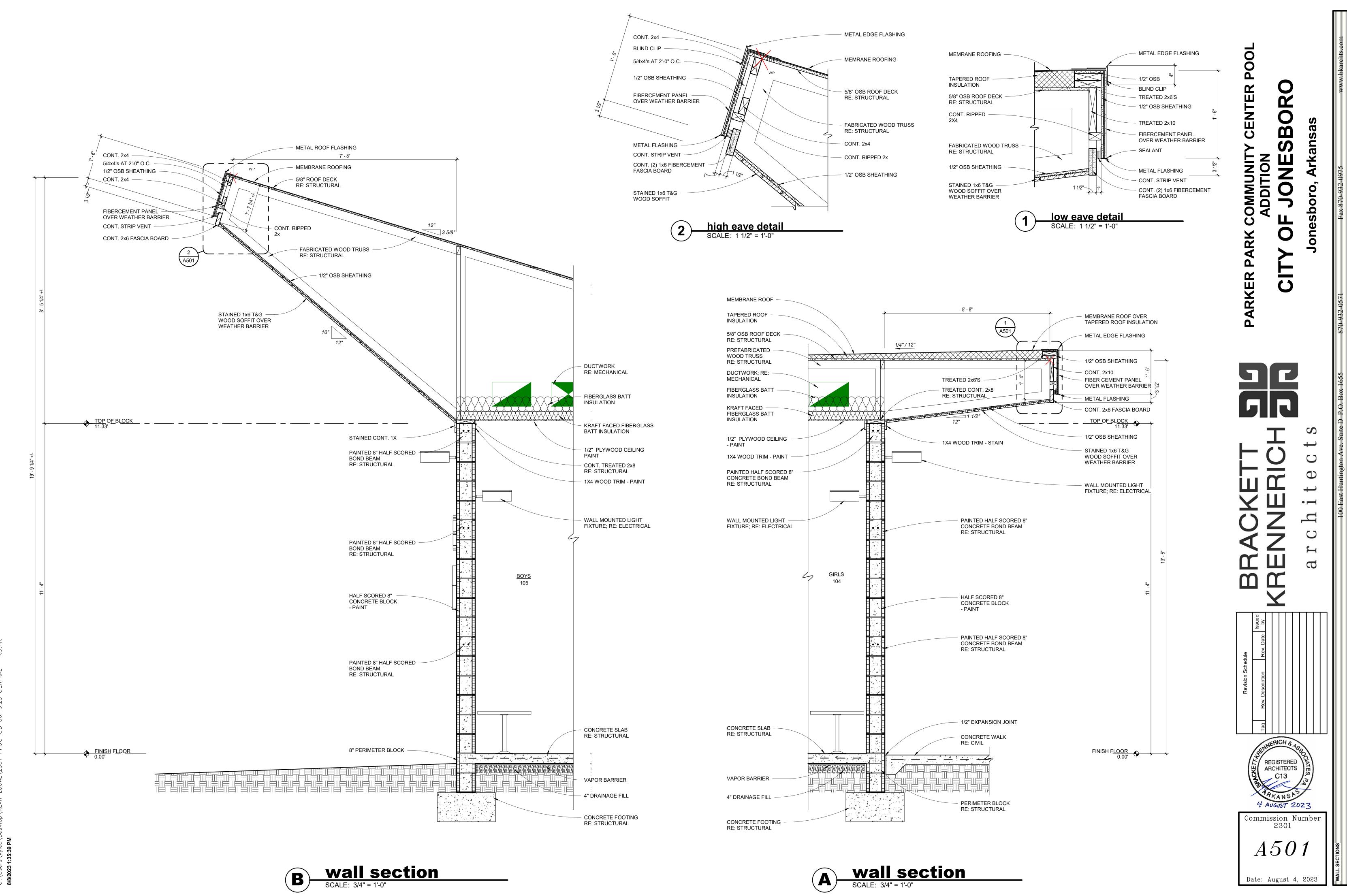
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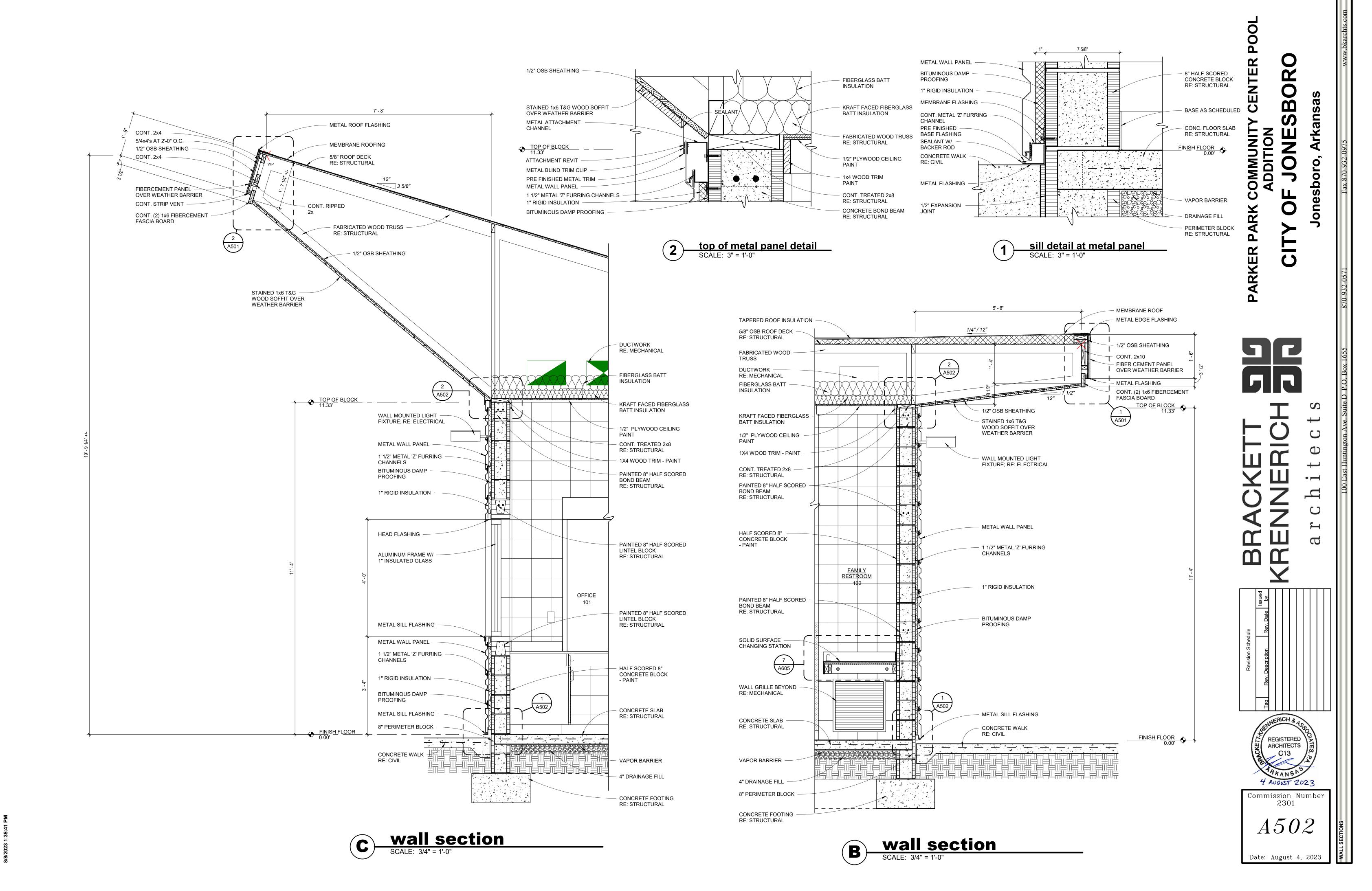


Commission Number 2301 A401



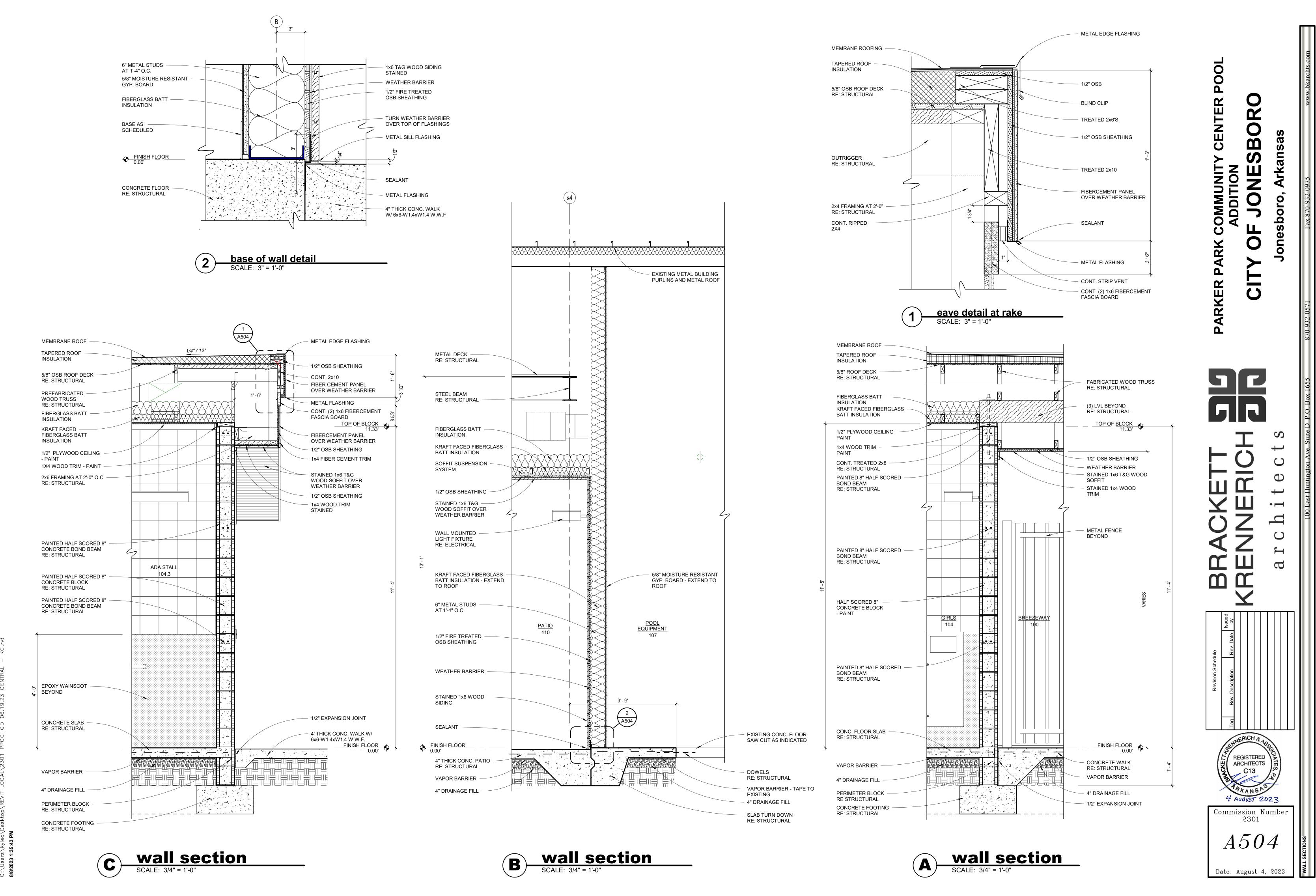




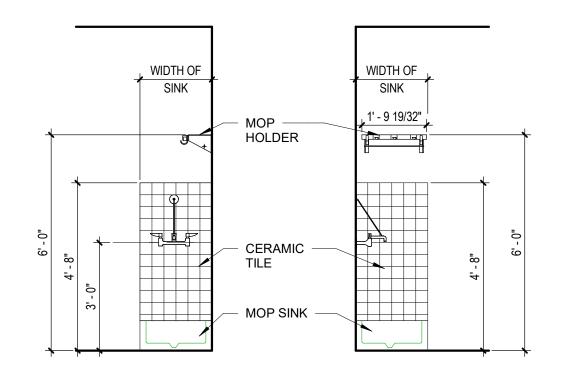


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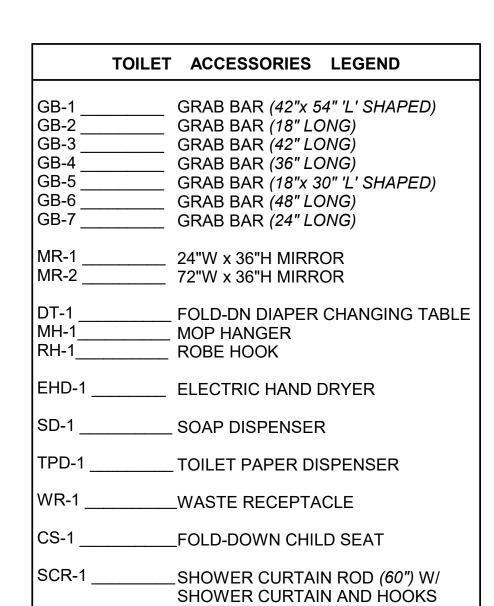
24' - 0" (EXISTING; VERIFY IN FIELD)

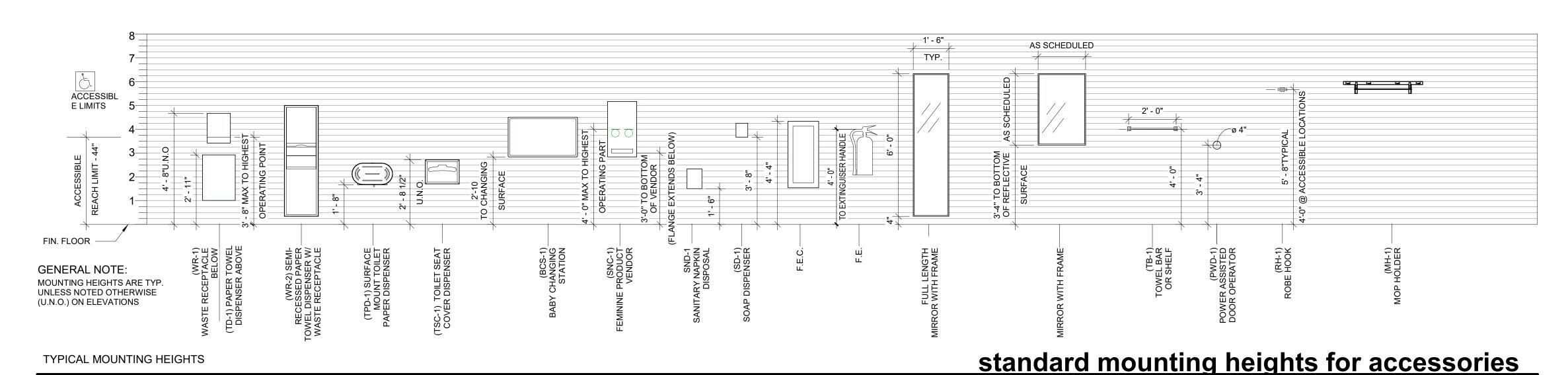


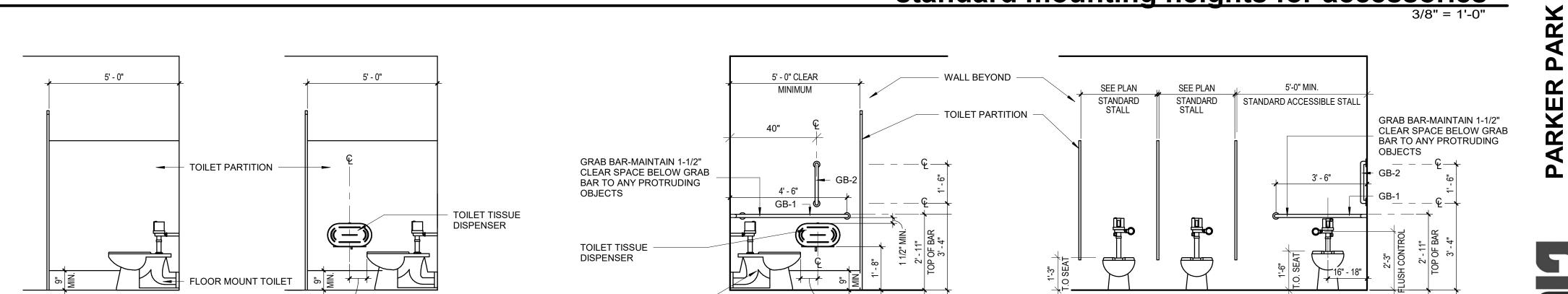
water cooler clearances



janitor closet elevations







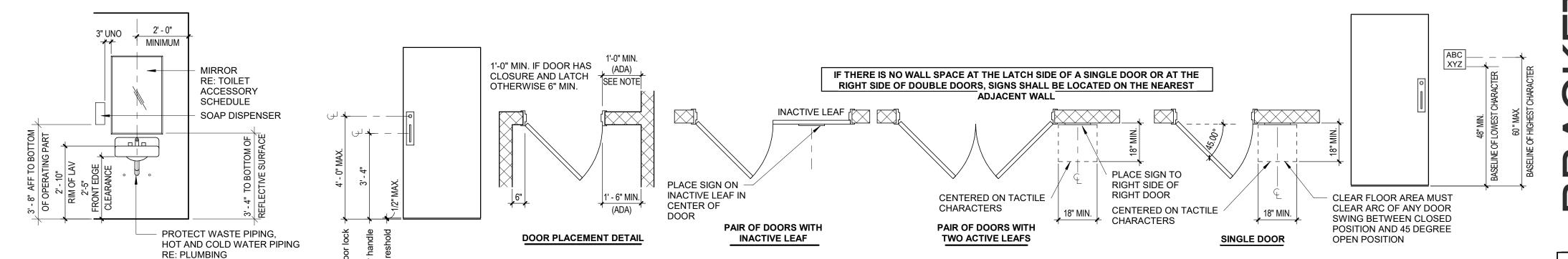
ACCESSIBLE TOILET STALL SIDE ELEVATION

ELEVATION AT ADA STALL ALSO APPLIES TO TOILET ROOMS

toilet stall elevations

TOILET STALL ELEVATION

ELEVATION AT ADA STALL ALSO APPLIES TO TOILET ROOMS



door signage and hardware clearances



FLOOR MOUNT TOILET

7"-9" TO CENTERLINE OF DISPENSER

TYP. TOILET STALL SIDE

ELEV. "A"

TYP. TOILET STALL SIDE

ELEV. "B"(OPPOSITE "A")

typical lavatory elevation

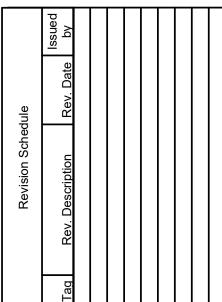
- 1. THE INFORMATION PRESENTED ON THIS SHEET IS A **GUIDE** TO MEETING THE REQUIREMENTS OF THE ADA & THE AUTHORITY HAVING JURISDICTION AS THEY APPLY TO THIS PROJECT. THIS INFORMATION IS INTENDED TO BE NO LESS RESTRICTIVE THAN THE REQUIREMENTS PRESENTED IN THE ADA ACCESSIBILITY GUIDLINE (ADAAG). IN SOME CASES WHERE THEY ARE MORE RESTRICTIVE, THE CRITERIA
- HERE SHALL BE FOLLOWED. SOME OF THE TOILET ACCESSORIES ILLUSTRATED HERE ARE BASED ON PRODUCTS MANUFACTURED BY A SPECIFIC COMPANY BUT THIS IN NO WAY IS MEANT TORESTRICT THE
- OF PRODUCTS OF OTHER MANUFACTURERS AS MAY BE PERMITTED BY THE PROJECT MANUAL & SPECIFICATION. ALL DIMENSIONS MUST BE COORDINATED & REVIEWED WITH OWNER SUPPLIED
- CONTRACTORS & SUPPLIERS SHALL NOTIFY THE ARCHITECT IF THEY BELIEVE A PRODUCT SPECIFIED OR AN INSTALLATION DETAIL TO BE CONTRARY TO THE MINIMUM REQUIREMENTS OF THE ADAAG AND THE AUTHORITY HAVING JURISDICTIONS CODES.
- 2. THE SERVICE OR OPERATING POINT FOR ALL INSTALLED TOILET ROOM EQUIPMENT OR ACCESSORIES SHALL BE MOUNTED NOT MORE THAN 44"AFF.
- 3. NO CONSTRUCTION OR EQUIPMENT SHALL BE INSTALLED WHICH DIMINISHES AN ACCESSIBLE ROUTE TO LESS THAN 36" WIDE BY 80" HIGH.
- 4. NO OBJECT SHALL BE INSTALLED WHICH PROTRUDES MORE THAN 4" FROM THE WALL IF THE BOTTOM OF THE LEADING EDGE IS BETWEEN 27" & 80" ABOVE THE FINISHED FLOOR.
- 5. ALL GRAB BARS SHALL HAVE A 1-1/2" CLEAR FINGER SPACE BETWEEN THE WALL & THE GRAB BAR.
- 6. ALL GRATINGS LOCATED IN WALKING SURFACES SHALL HAVE SPACES NO GREATER THAN 1/2" WIDE IN ONE DIRECTION & WHERE ELONGATED OPENINGS ARE PROVIDED THEY SHALL BE PLACED SO THAT THE LONG DIRECTION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.
- 7. NO RAMP SHALL BE CONSTRUCTED WITH A SLOPE GREATER THAN 7.5% IN THE DIRECTION OF TRAVEL AND A CROSS SLOPE GREATER THAN 1.5%.
- 8. REFER TO SPECIFICATION SECTION 10 2813 TOILET ACCESSORIES FOR MODEL NUMBERS AND TOILET PLANS FOR ACCESSORY LOCATIONS.
- 9. A FLOOR SLOPE LESS THAN 1:20 IS NOT A RAMP. CROSS SLOPES CANNOT EXCEED 1.5%.
- 10. CHANGES IN LEVEL BETWEEN 1/4" INCH AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
- 11. SEE ENLARGED TOILET PLANS AND ELEVATIONS FOR INDIVIDUAL TOILET ROOM ACCESSORY LOCATIONS AND MOUNTING HEIGHTS.

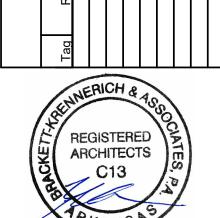


CENTER

JERICH & REGISTERED ARCHITECTS C13 Commission Number 2301

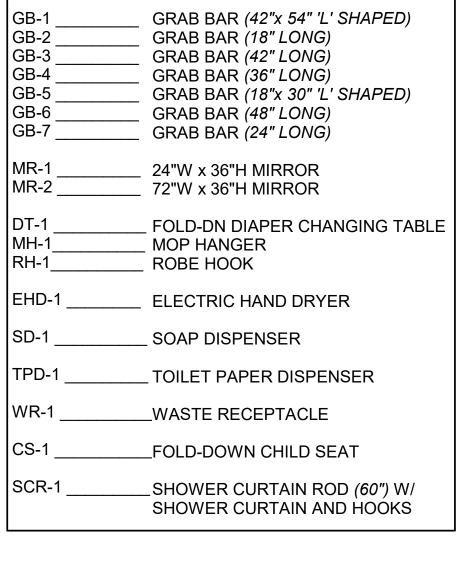
P00





Commission Number 2301 A601 Date: August 4, 2023

TOILET ACCESSORIES LEGEND GRAB BAR *(42"x 54" 'L' SHAPED)* GRAB BAR (18" LONG) GRAB BAR (42" LONG) GRAB BAR (36" LONG) GRAB BAR (18"x 30" 'Ĺ' SHAPED) GRAB BAR (48" LONG) GRAB BAR (24" LONG) 24"W x 36"H MIRROR 72"W x 36"H MIRROR _ FOLD-DN DIAPER CHANGING TABLE MOP HANGER ROBE HOOK EHD-1 ELECTRIC HAND DRYER _ SOAP DISPENSER _ TOILET PAPER DISPENSER _WASTE RECEPTACLE _FOLD-DOWN CHILD SEAT _SHOWER CURTAIN ROD (60") W/ SHOWER CURTAIN AND HOOKS



10' - 8"

9' - 4 3/4"

5' - 8 3/4"

GB-4

A605

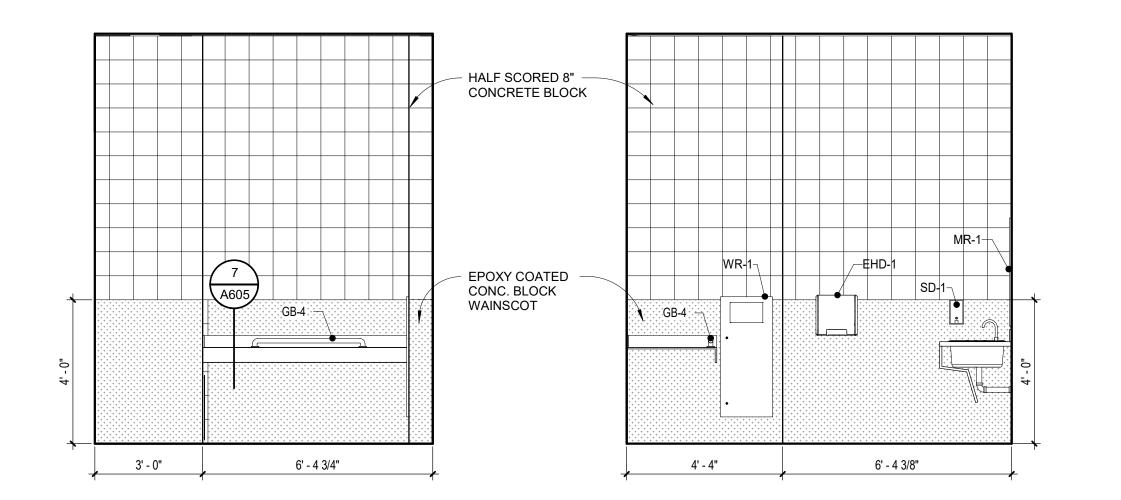
SHOWER 103

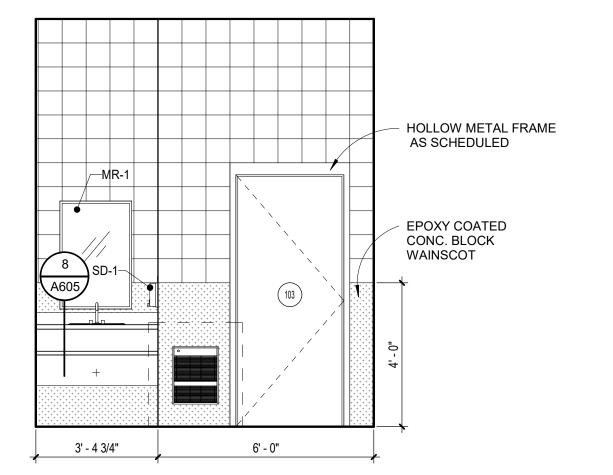
FAMILY RESTROOM 102

3 5/8"

2' - 8 3/8"

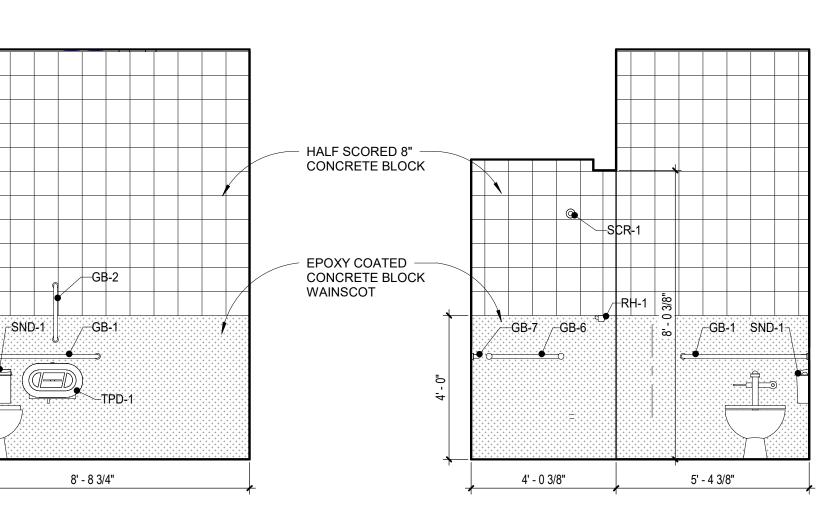
3' - 0"



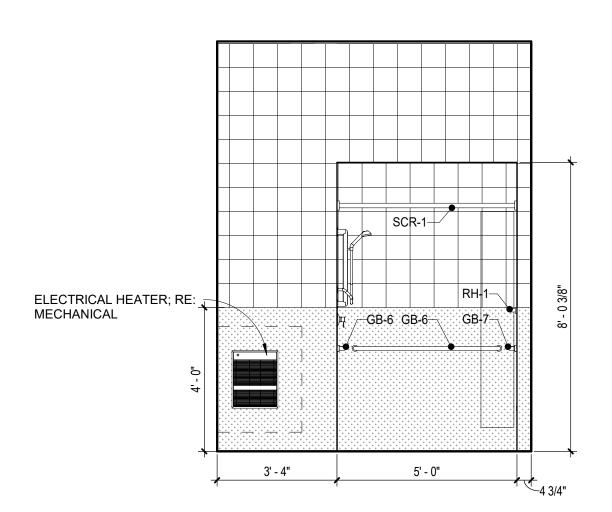


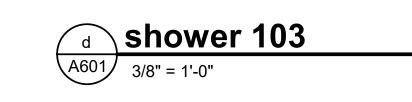
family restroom 102 3/8" = 1'-0"

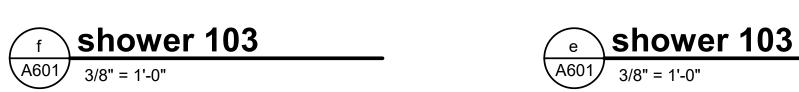




\family restroom 102



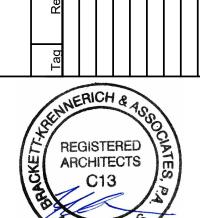






4' - 0 3/8"

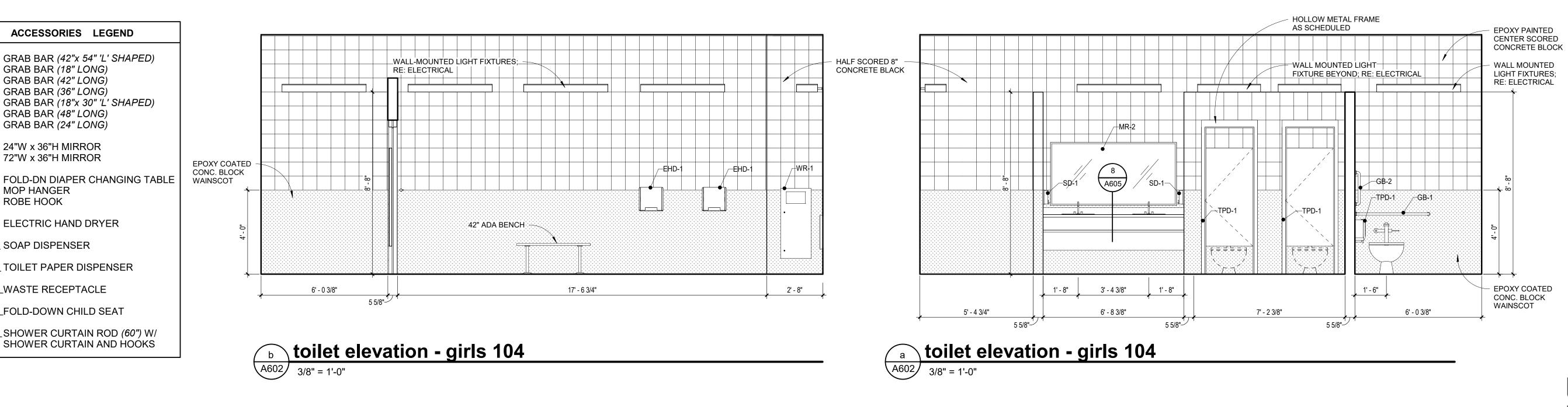
5' - 4 3/8"

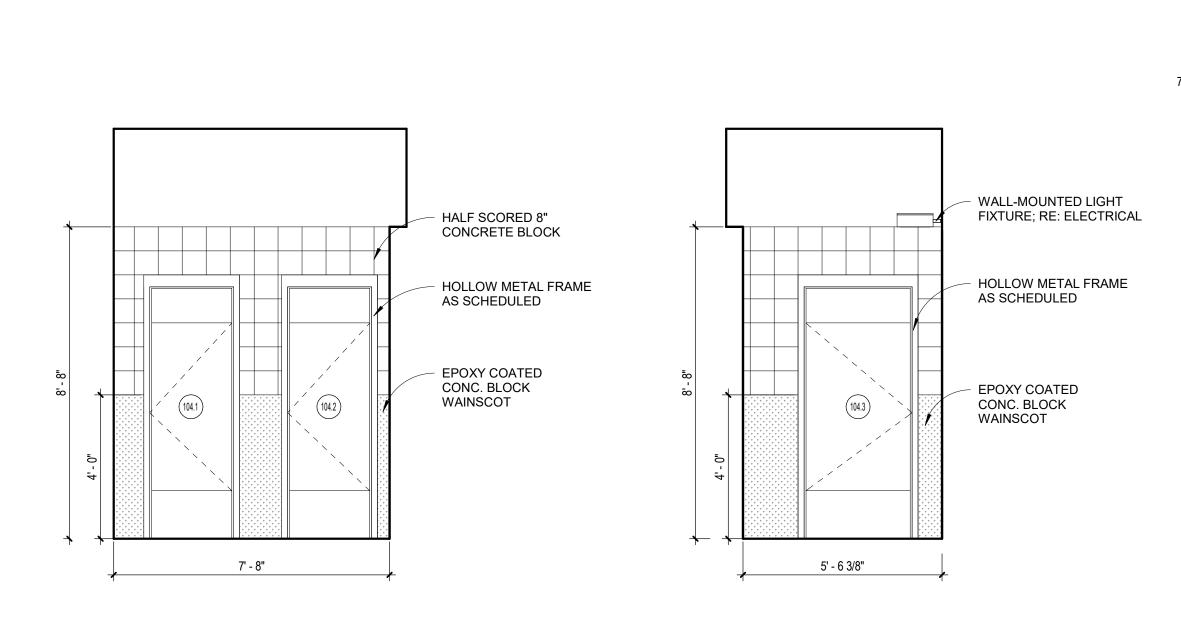


Commission Number 2301

A602

Date: August 4, 2023





c toilet elevation - girls 104

TOILET ACCESSORIES LEGEND

GRAB BAR (42" LONG)

GRAB BAR (36" LONG)

GRAB BAR (24" LONG)

24"W x 36"H MIRROR 72"W x 36"H MIRROR

ELECTRIC HAND DRYER

_ TOILET PAPER DISPENSER

_FOLD-DOWN CHILD SEAT

_SHOWER CURTAIN ROD (60") W/

SHOWER CURTAIN AND HOOKS

d toilet elevation - girls 104

_WASTE RECEPTACLE

SOAP DISPENSER

MOP HANGER ROBE HOOK

GB-3 GB-4

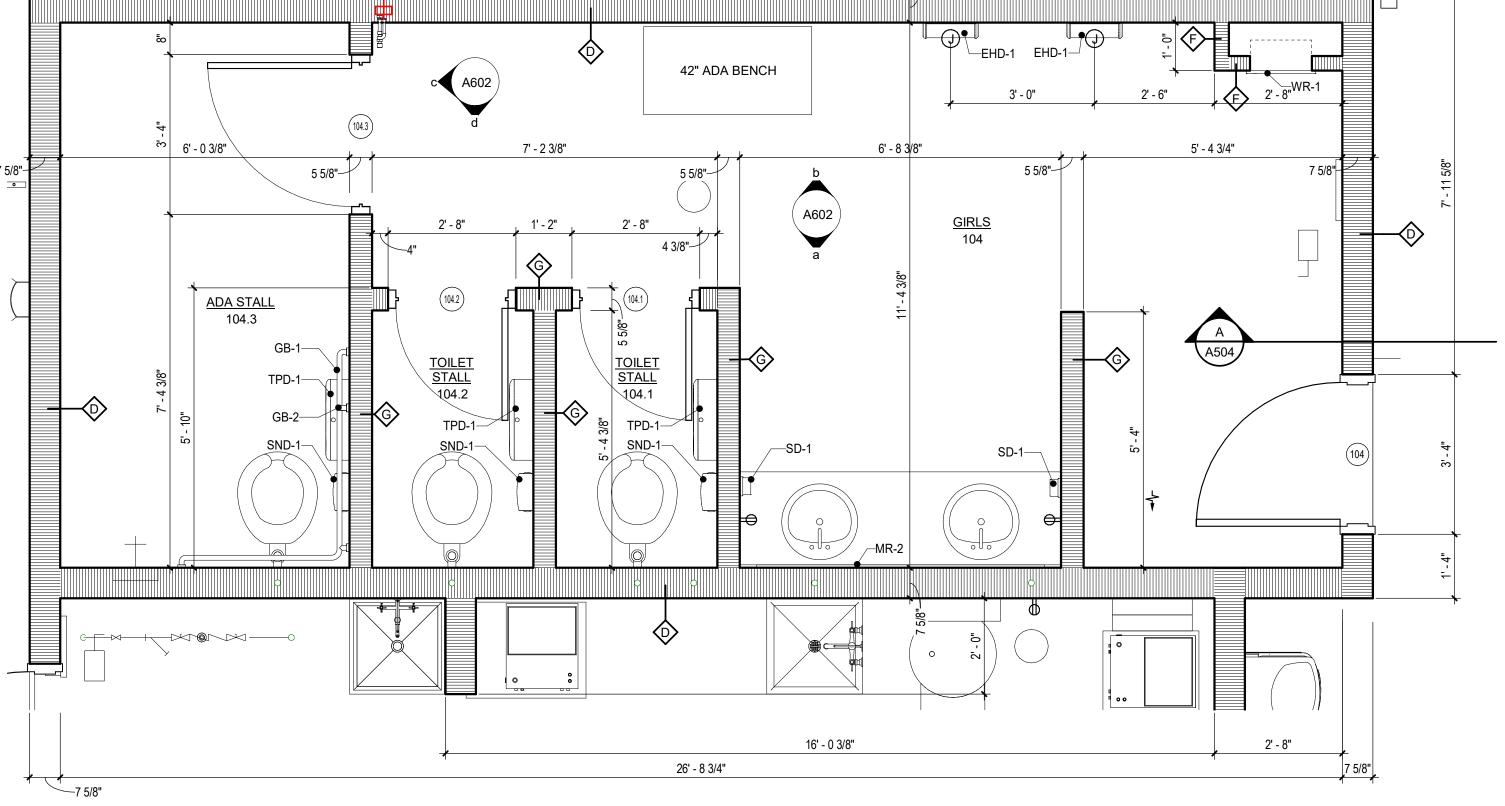
MH-1

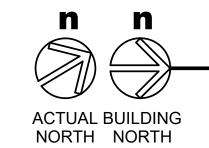
RH-1

EHD-1

GRAB BAR (42"x 54" 'L' SHAPED) GRAB BAR (18" LONG)

GRAB BAR (18"x 30" 'L' SHAPED) GRAB BAR (48" LONG)





SBORO

CENTER

ARK

D

PARKER

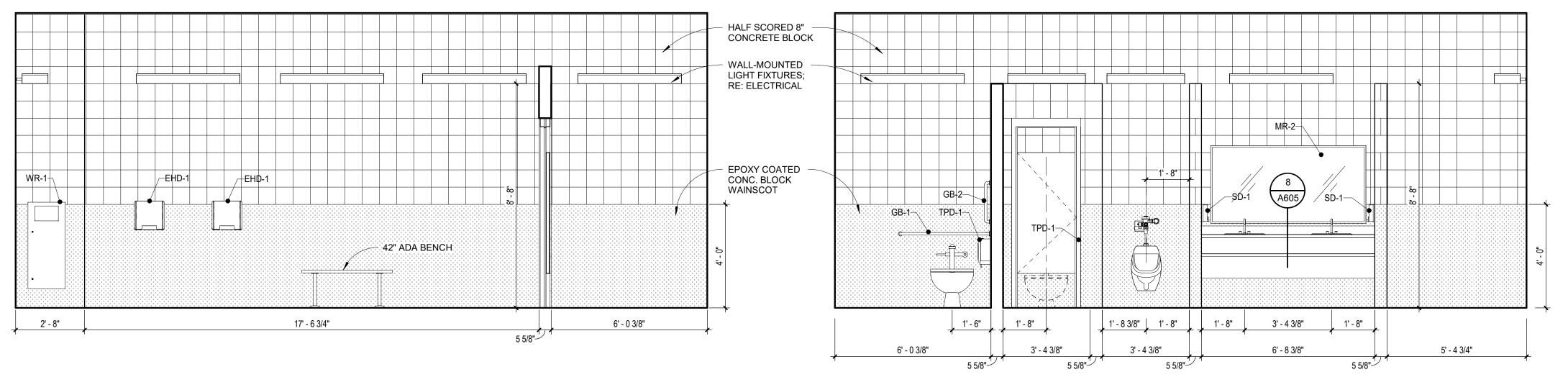
REGISTERED ARCHITECTS
C13
4 AUGUST 2023

Commission Number 2301

Commission Number 2301 A603

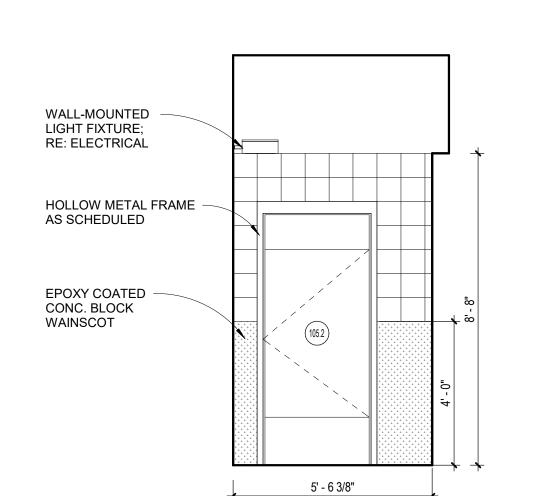
Date: August 4, 2023

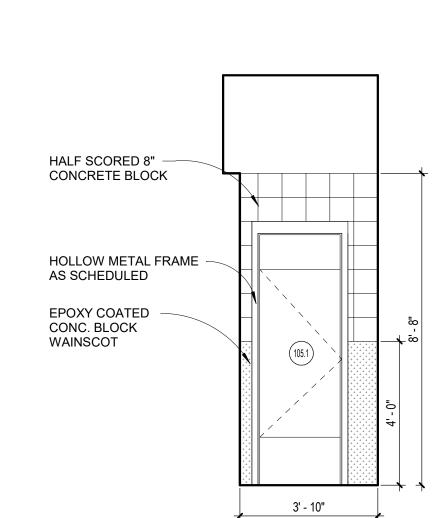
TOILET ACCESSORIES LEGEND GRAB BAR (42"x 54" 'L' SHAPED)
GRAB BAR (18" LONG)
GRAB BAR (42" LONG)
GRAB BAR (36" LONG)
GRAB BAR (18"x 30" 'L' SHAPED) GB-2 GB-4 GB-5 GB-6 GRAB BAR (48" LONG) GRAB BAR (24" LONG) 24"W x 36"H MIRROR MR-2 72"W x 36"H MIRROR FOLD-DN DIAPER CHANGING TABLE MOP HANGER MH-1 RH-1 ROBE HOOK ELECTRIC HAND DRYER EHD-1 _ SOAP DISPENSER _ TOILET PAPER DISPENSER _WASTE RECEPTACLE __FOLD-DOWN CHILD SEAT _SHOWER CURTAIN ROD (60") W/ SHOWER CURTAIN AND HOOKS

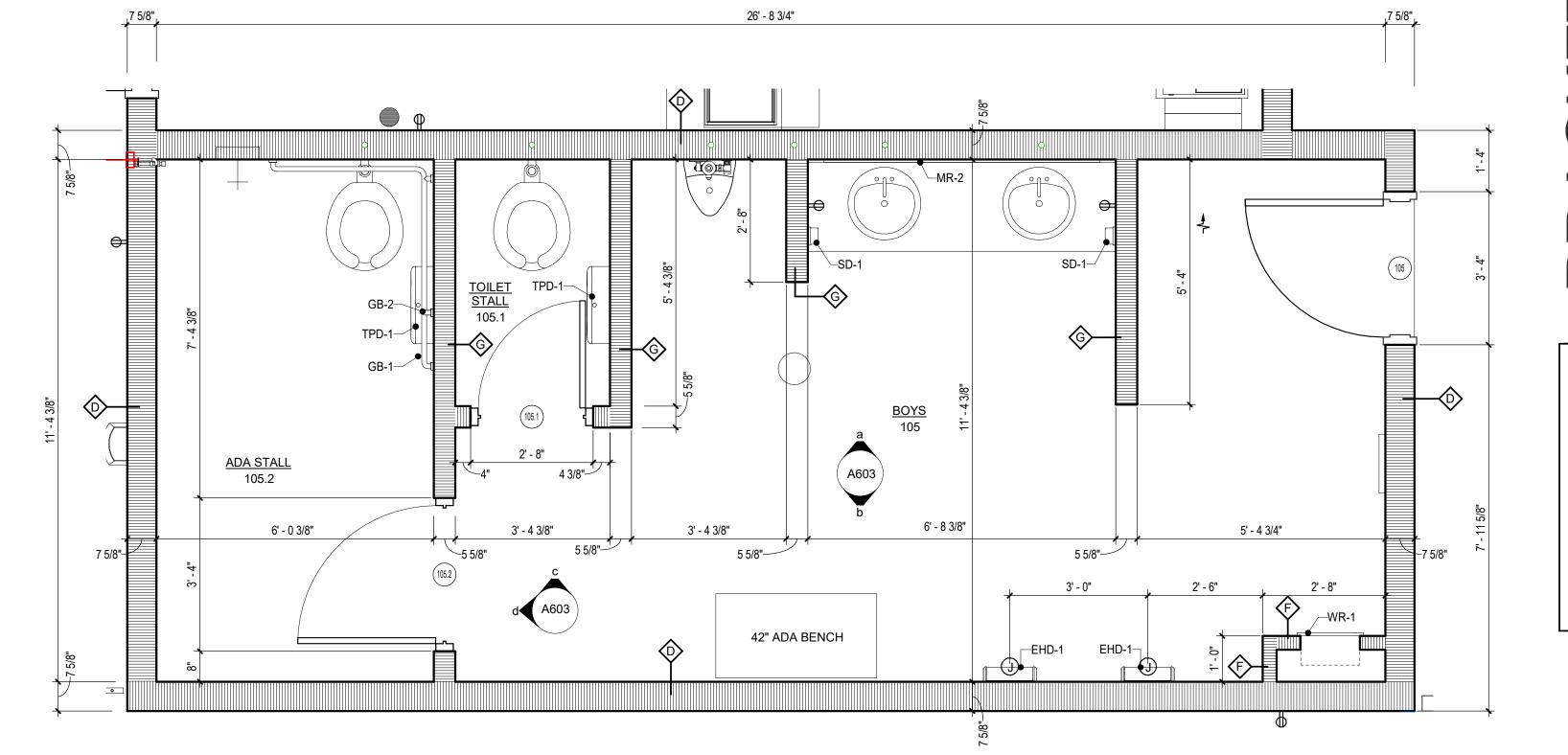


toilet elevation - boys 105

a toilet elevation - boys 105
3/8" = 1'-0"



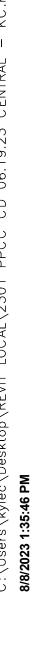


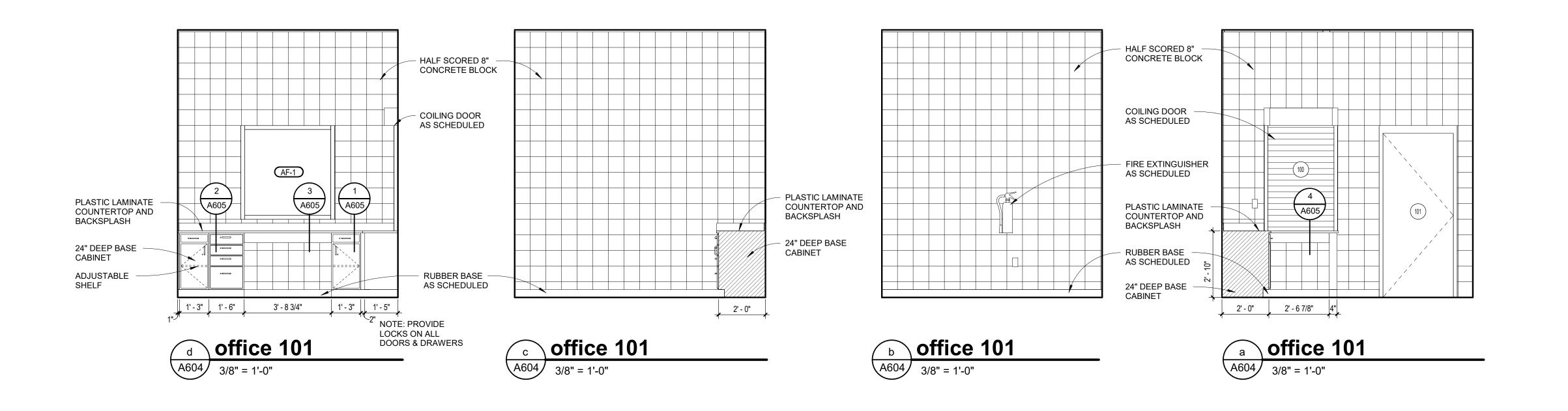


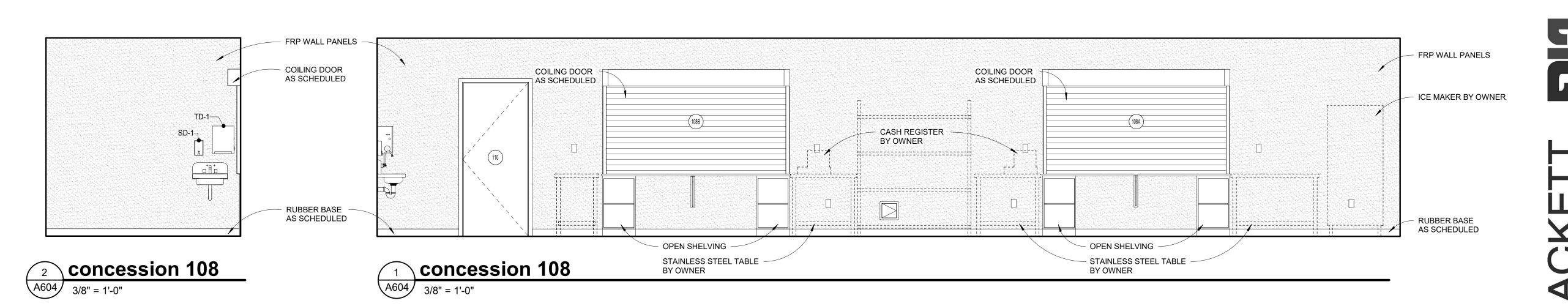


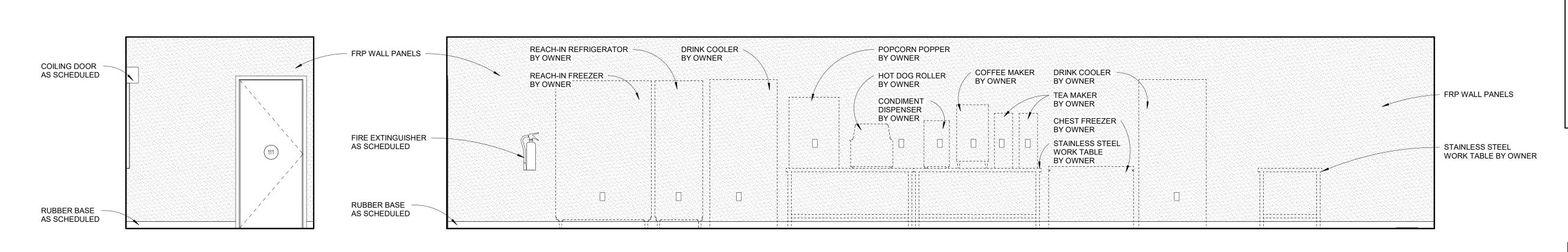














3 concession 108
A604 3/8" = 1'-0"

g

WERICH &

REGISTERED ARCHITECTS

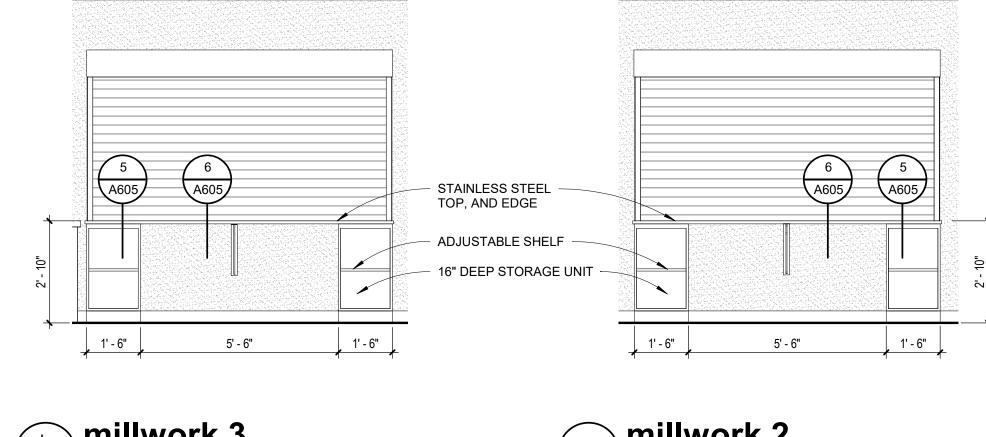
MANSP 4 AUGUST 2023

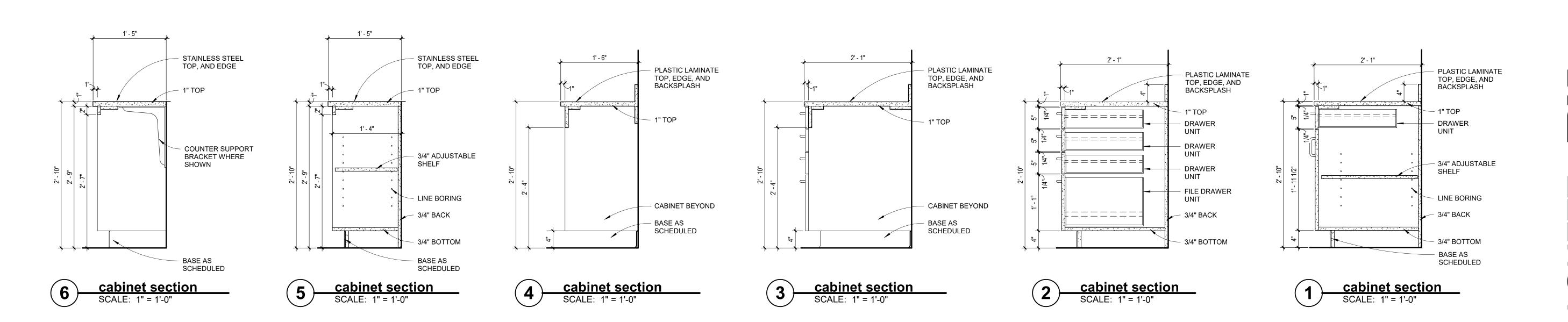
Commission Number 2301

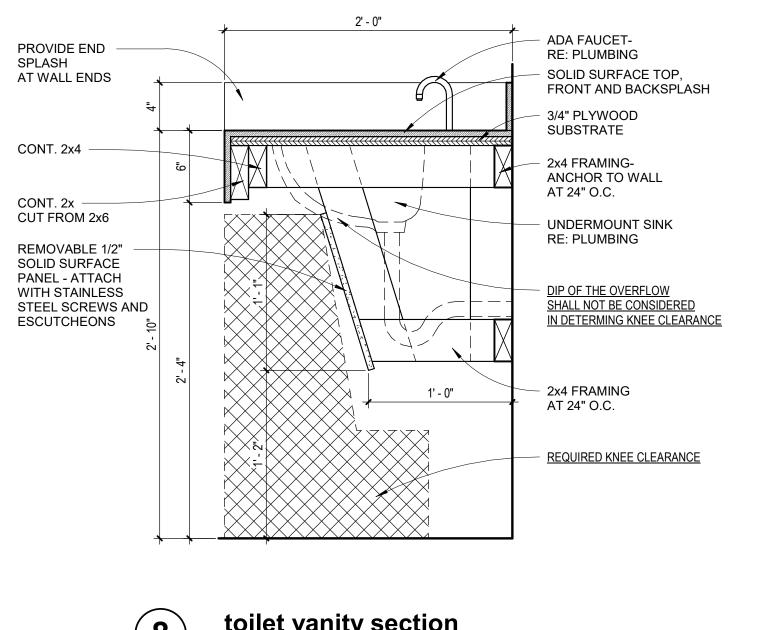
A605

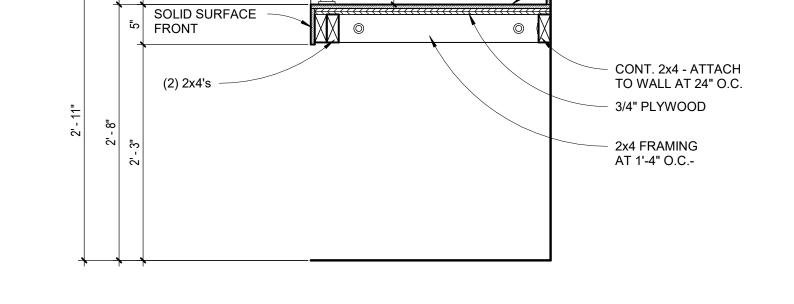
Date: August 4, 2023

5 A605 5 A605 6 A605 6 A605 STAINLESS STEEL TOP, AND EDGE ADJUSTABLE SHELF 16" DEEP STORAGE UNIT 5' - 6" 5' - 6" b millwork 3
A605 3/8" = 1'-0" <u>a millwork 2</u>









2' - 6"

PROVIDE SOLID

AT WALL ENDS

SOLID SURFACE

TOP AND BACKSPLASH

SURFACE SPLASH

toilet vanity section
SCALE: 1 1/2" = 1'-0"

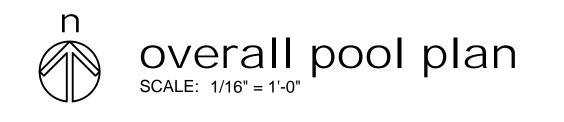
changing station section
SCALE: 1" = 1'-0"

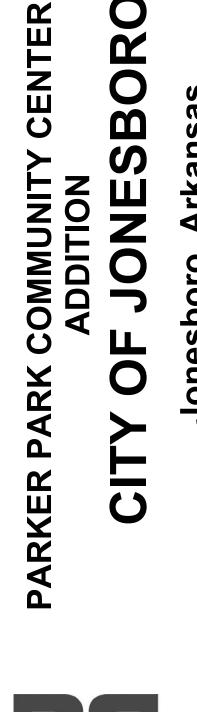
GB-4

OUTDOOR POOL AREA PLAN

POOL SPECIFICATIONS

4,475 SF 272 FT 0'-0'' 10 12'-3'' 120,948 GALLONS PERIMETER: TURNOVER: 4.7 HR MINIMUM FLOW RATE: 425 GPM





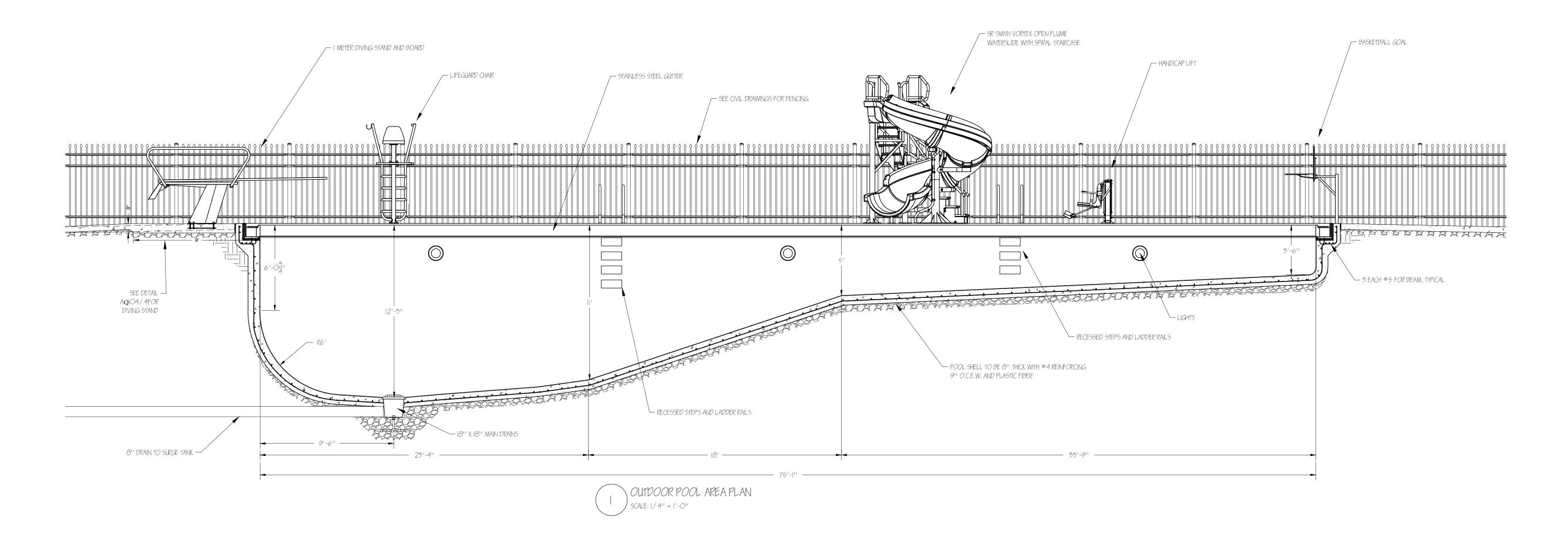
ARKANŠAS

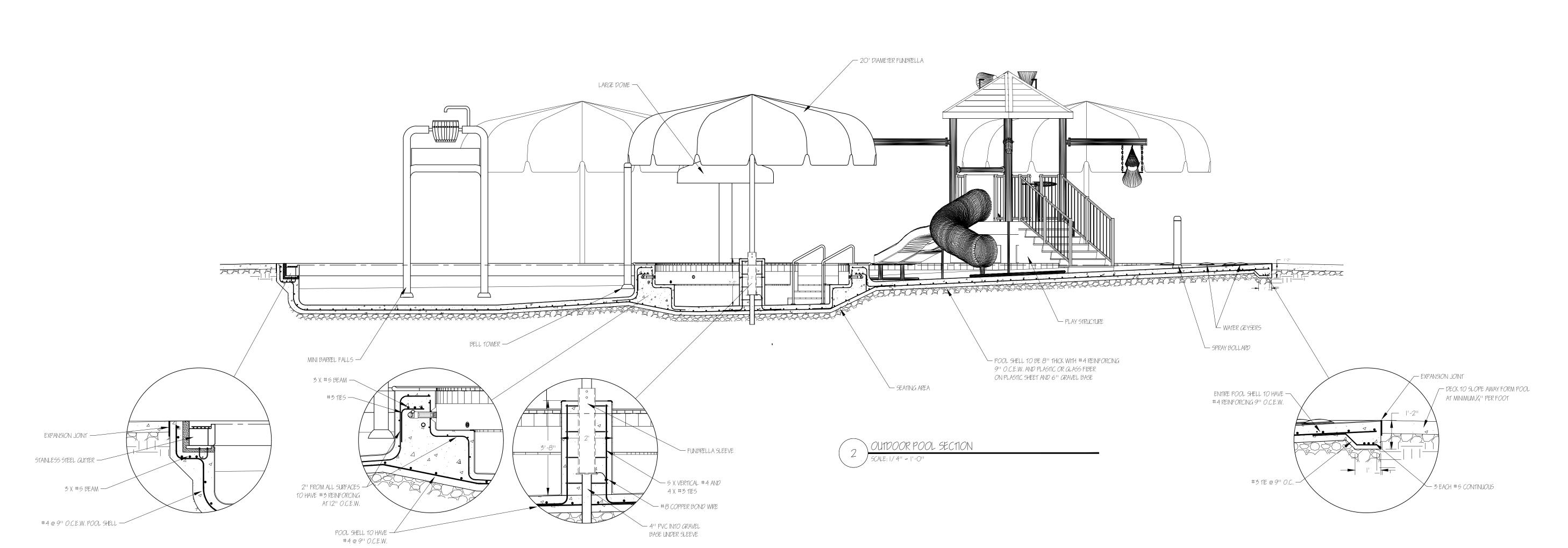
REGISTĒRED

PROFESSIONAL

ENGINEER 1003

Commission Number 2301









Revision Schedule

ARKANSAS

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PROFESSION

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Commission Number 2301

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ARKANSAS REGISTERED PROFESSIONA

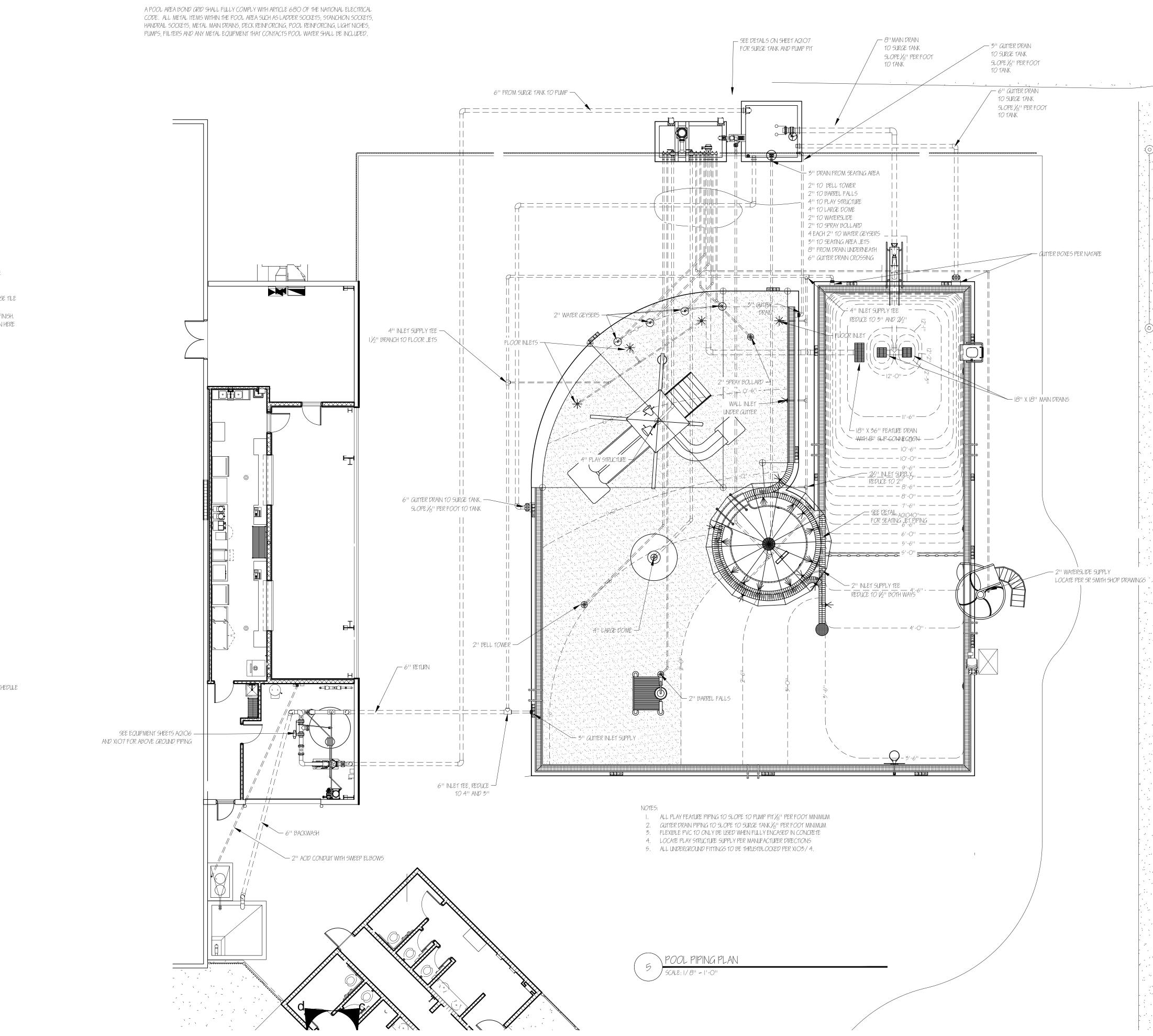
Commission Number 2301

Date: August 4, 2023

pool sections SCALE: 1/16" = 1'-0"

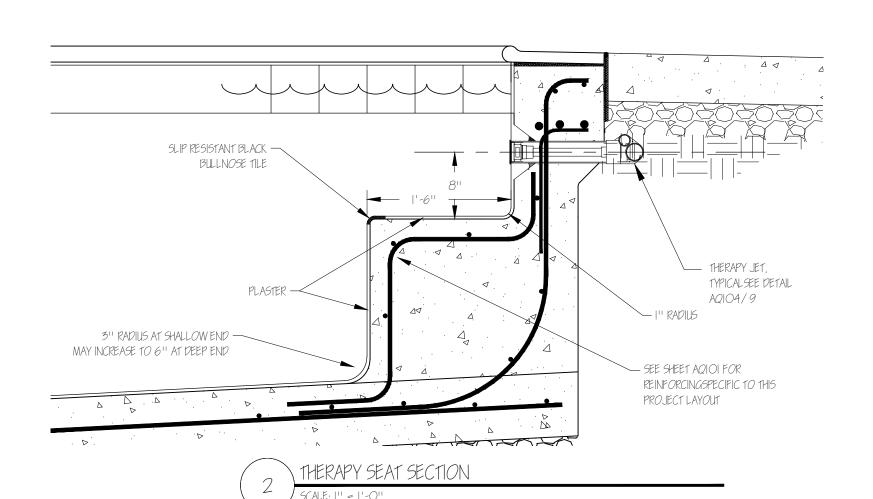
45.00°

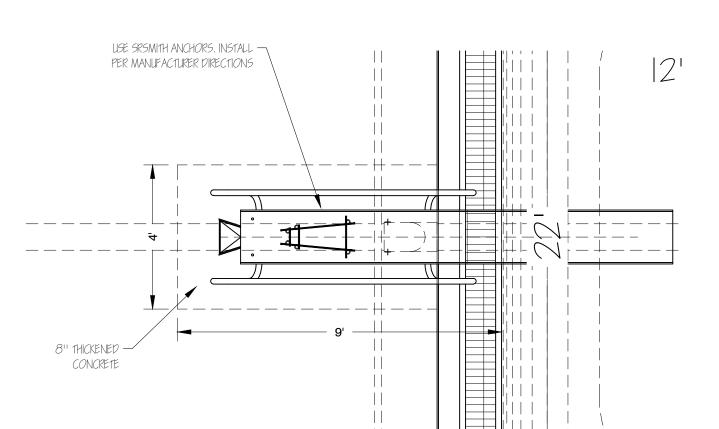
1/2" EXPANSION JOINT →



ARKANSAS

Commission Number 2301





POOL RULES

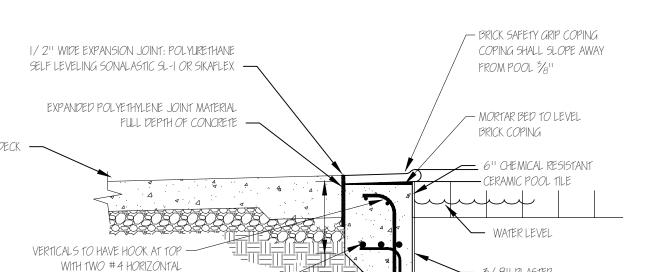
MAXIMUM OCCUPANCY: 224

- ALL PERSONS USING POOL DO SO AT OWN RISK - WE ARE NOT RESPONSIBLE FOR ACCIDENTS OR INJURIES
- NO GLASS CONTAINERS
- DIVING IS PROHIBITED EXCEPT FROM DIVING BOARD
- NO RUNNING NO PUSHING
- NO FOOD OR DRINK EXCEPT IN DESIGNATED AREA
- NO ANIMALS ALLOWED
- PEOPLE WITH LONG HAIR MUST

WEAR BATHING CAPS

SIGN SHALL BE MINIMUM 14'' WIDE x 20" TALL CONSTRUCTED OF ALUMINUM/ VINYL OR RIGID POLYURETHANE, TEXT SHALL BE SIMILAR TO ABOVE WITH 1/2"

TALL LETTERS, SIGN SHALL BE SECURELY ANCHORED WITH 4 STAINLESS STEEL SCREWS AND EXPANSION TYPE ANCHORS. CONFIRM ACTUAL TEXT BEFORE ORDERING.



PIPING AROUND SEATING AREA TO BE -

RUN IN SCHEDULE 40 FLEXIBLE PVC.

ALL FLEXIBLE PVC TO BE FULLY.

INCASED IN CONCRETE .

3" SEATING AREA DRAIN TO SURGE TANK 📥

3'' JET WATER SUPPLY FROM PUMP -

SEE SITE PIPING PLAN

CAP WATER AND AIR -

1/2" POOL INLET WATER -

2" SPA JET WATER AND — 1½" SPA JET AIR

3 EACH #5 HORIZONTAL FOR BEAM -

UNDER SKIMMERS AND OVER LIGHTS CONTINUOUS

— 3/8" PLASTER

#311E 18" O.C. — 12. INSTALL HOUSING ASSEMBLY SEALING HOUSING FACE TO PLASTER NICHE WITH A WATERPROFF SILICONE SEALANT. 13. INSTALL JET WITH SILICONE LUBRICANT ON THREADS, AFTER SCREWING JET INTO HOUSING FULLY, TURN JET COUNTERCLOCKWISE UNTIL POOL WALLS TO HAVE #4 @9" O.C.E.W. — FULLY OPEN.

2" SPA JET WATER TEE -

NOTE: THESE ARE BASIC INSTRUCTIONS, FOLLOW MANUFACTURERS DIRECTIONS CAREFULLY.

THE JETS VARIES. THE HORIZONTAL DISTANCE BETWEEN THE JETS SHALL ALWAYS BE 36".

7. CUT 2 1/2" PIPE SUCH THAT PLASTER NICHE WILL FINISH FLUSH WITH PLASTER. GLUE PLASTER NICHE ONTO PIPE.

3. FRONT OF THE JET BODIES MUST BE MORE THAN 4" FROM INSIDE POOL WALL. 4. GLUE 2 1/2" SCHED 40 PVC INTO BODY. INSURE PERPINDICULAR TO WALL.

BASIC DIRECTIONS: THERAPY JETS

I. SECURE JET BODIES AND SUPPLY PIPING TO REBAR.

5. WHEN SHOOTING CONCRETE, CUT BACK AROUND PIPE. 6. SEAL AROUND 2 1/2" PIPE WITH PLIABLE WATERSTOP.

II. APPLY SILICONE LUBRICANT TO THREADS AND O-RING.

8. WHEN PLASTERING, FILL BEHIND AND AROUND PLASTER NICHE.

IO. ASSEMBLE JET HOUSING, I'' PVC AND THREADED FITTING WITH PVC GLUE.

THREADED FITTING.

PLIABLE WATERSTOF

POLY GUNITE JET NICHE V

JET WHITE #210-8750

WHITE JET FITTING TO.

BE FLUSH WITH WALL

SEAL TO WALL WITH

AFTER FINAL ASSEMBLY.

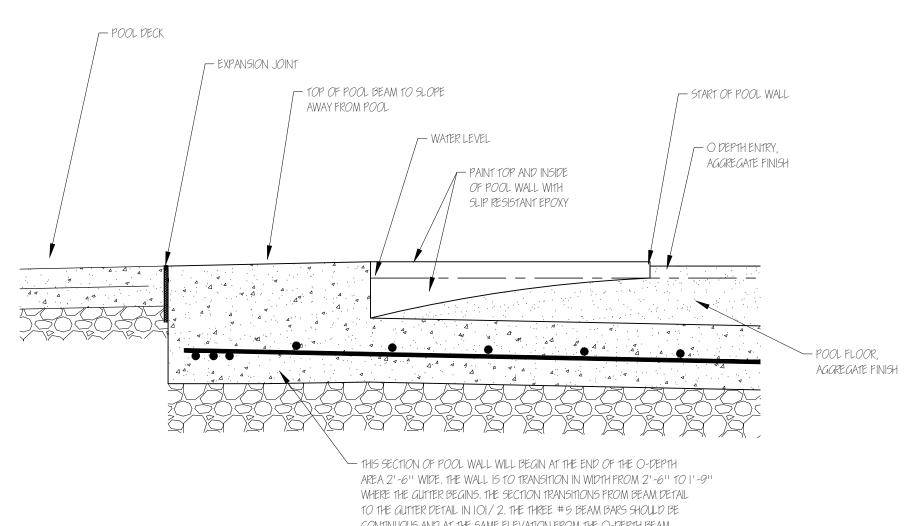
WHITE WATERWAY,

#425-5030

MONSTER NON-

ADJUSTABLE

9. MEASURE AND CUT I'' PVC PER MANUFACTURER DIRECTIONS.



100% 51LICON CUT BACK CONCRETE-I'' SCHEDULE 40 PVC AROUND 2 1/2" SLEEVE PLASTER FINISH--2 1/2" PVC SLEEVE PIPE CONCRETE POOL SCHEDULE 40 PVC WALL SUPPLY ONE POLY JET INTERNAL WRENCH, #218-1770A RETAINER RINGS, O-RINGS NOT SHOWN HERE. SUPPLY ALL PARTS REQUIRED FOR 1 4 4 4

2. EACH PAIR OF JETS WILL HAVE ONE HIGH AND ONE LOW. THE HIGH IS TO BE 6" DOWN FROM TOP OF BEAM (3" IN WATER). THE LOWER

IS TO BE IO'' ABOVE THE SEAT. SINCE THE SEAT DEPTH VARIES, THE ANGLE OF THE JET PAIR AND THEREFORE THE ACTUAL DISTANCE BETWEEN

C

_____ 2½" ÎNCET RIPI<u>NG TEE,</u> ___ __

BELOW JET PIPING — — — —

— 2" 59% JET WATER TEE_______

SEATING AREA DRAIN

— CAP 2'' WATER

- 2" SPA AIR INLET

, JET BODY, PN 210-3700

WITH O-RING AND FITTING

IS AN ASSEMBLY CONSISTING

OF BODY, THREADED RETAINER

SEE DETAIL 6/X4

— 2" SPA AIR 1EE, REDUCE— — — -10 1½" BOTH DIRECTIONS

---- 2" INLET TEE, REDUCE TO 1½" BOTH DIRECTIONS

SEE SPECIFICATIONS

REDUCE 10 2"

— SPA JET, SEE AQIO5/9

— 2" INTEL SUPPLY

ARKANSAS REGISTERED PROFESSIONA Commission Number 2301

Date: August 4, 20

SITE PLAN INSIDE NICHE, ENCAPSULATE CONNECTION IN POTTING LIGHT FIXTURE CORD AND COMPOUND #8 SOLID INSULATED GROUND CONTINUOUS AND AT THE SAME ELEVATION FROM THE O-DEPTH BEAM A COMPLETE OPERATING ASSEMBLY. 1HROUGH THIS SECTION AND INTO THE GUTTER SECTION. POOL BEAM SECTION AT SHALLOW WATER

INDICATED ON ELECTRICAL

- APPROVED JUNCTION BOX

SEE POOL SPECIFICATIONS EXTERIOR LUG AND TO CONCRETE REINFORCEMENT CHIP OR CUT BACK AROUND NICHE. INSTALL PLIABLE WATERSTOP & ADDITIONAL PLASTER THICKNESS.

- COIL MIN. 4' OF CORD INTO NICHE I'' PVC ELECTRICAL CONDUIT. EXTEND TO LOCATIONS

ATTACH SOLID #8 TO LUG

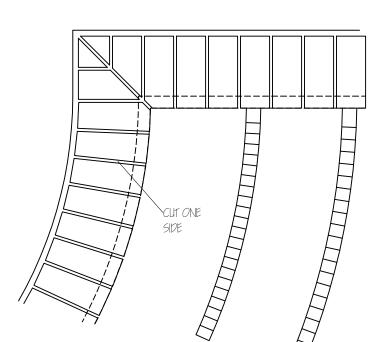
— THICKENED LEVEL DECK AT

/ BARE #8 CONNECTED TO

DIVING STAND

WALL CONDITION (GUTTER POOL)

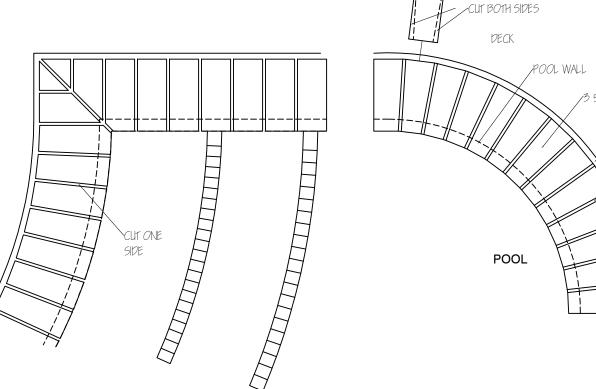
ON ALL 24" RADIUS CURVES, THE COPING BRICK SHALL BE CUT EQUAL AMOUNTS BOTH SIDES TO OBTAIN A CONSISTENT 3/8" MORTAR JOINT. ON THE 5' RADIUS AT THE SLIDE POOL STEPS, IT WILL BE ACCEPTABLE TO OBTAIN A CONSISTENT 3/8" MORTAR JOINT BY CUTTING ONE SIDE OF THE BRICK. IT WILL NOT BE REQUIRED TO CUT BRICKS ON THE LARGE RADIUS CURVES AT THE PLAY POOL EXCEPT FOR THE O-ENTRY AREA OF THE PLAY POOL, COPING BRICKS SHOULD SLOPE AWAY FROM THE POOL AT A RATE OF 3" IN 10' OR 1/4" IN A 9" BRICK. OWNER TO SELECT COPING BRICK COLOR, PROVIDE SAMPLES AND AVAILABILITY OF MATCHING

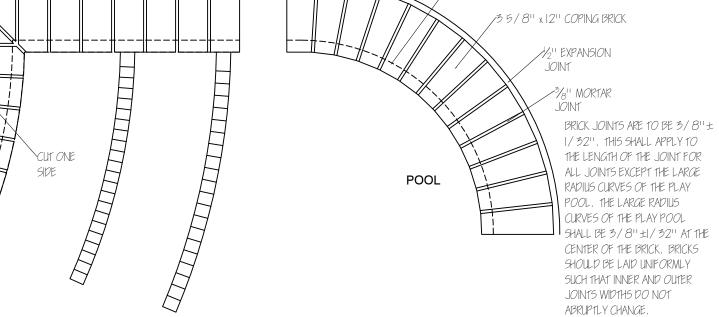


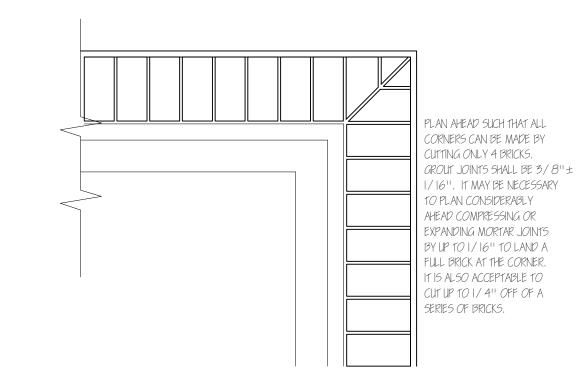
TILE DEPTH

MARKERS

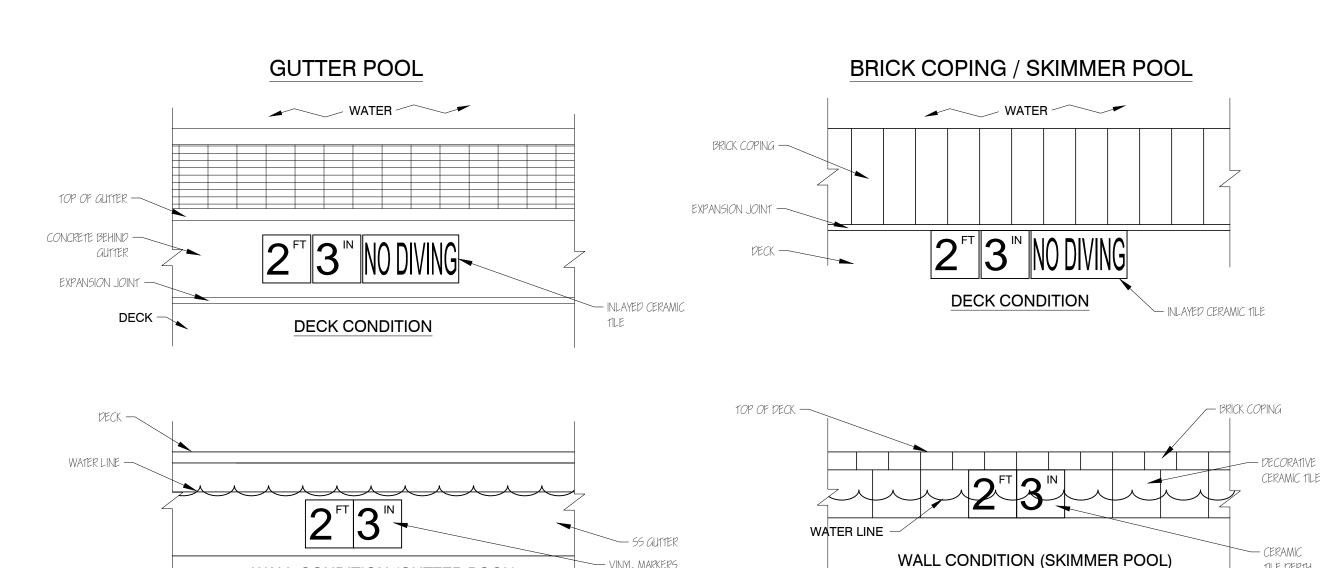
PLAN AHEAD SUCH THAT ALL CORNERS CAN BE MADE BY CUTTING ONLY 6 BRICKS AND THE JOINTS IN BOTH DIRECTIONS MATCH. GROUT JOINTS SHALL BE 3/8"±1/16". IT MAY BE NECESSARY TO PLAN CONSIDERABLY AHEAD COMPRESSING OR EXPANDING MORTAR JOINTS BY UP TO 1/16" TO LAND A FULL BRICK AT THE CORNER, IT IS ALSO ACCEPTABLE TO CLIT UP TO 1/4" OFF OF A SERIES OF BRICKS.







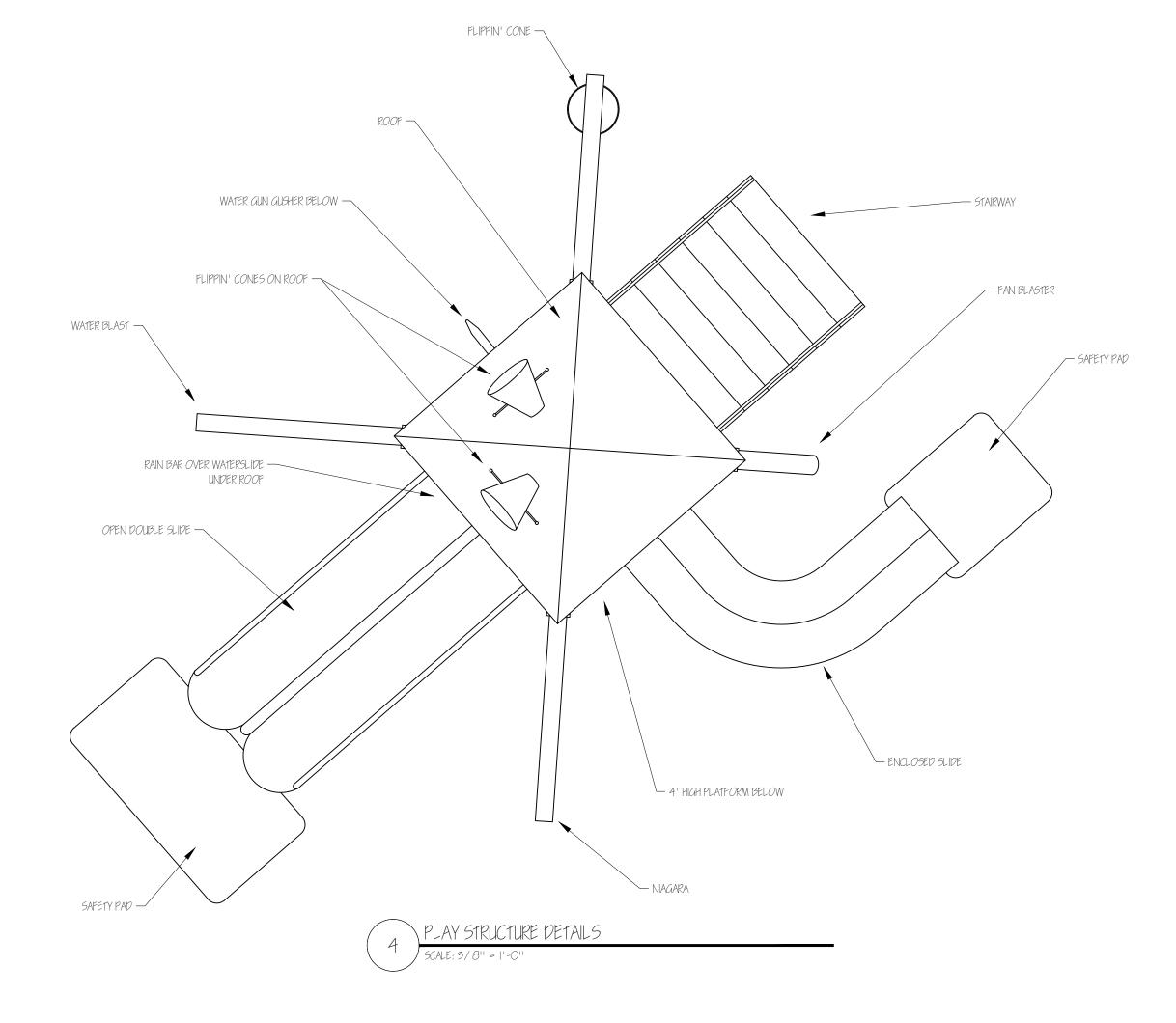
BRICK COPING DETAILS



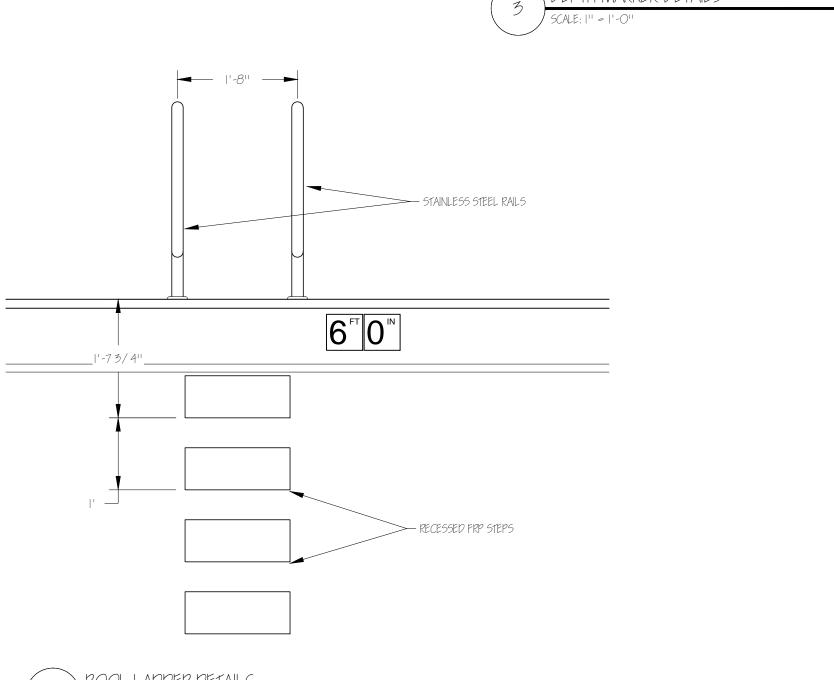
- VINYL MARKERS

- 1. DECK DEPTH MARKERS 6 x 6 SKID RESISTANT, WHITE CERAMIC TILE WITH BLACK PRINT. USE "FT" AND "IN" SERIES 6" SR (SKID RESISTANT) WITH 4" NUMBERS. NO DIVING TILE TO BE 6" X 12" SR#C621700. TILE AS MANUFACTURED BY INLAY, INC. TILE TO BE SET FLUSH IN DECK PER MANUFACTURER DIRECTIONS.
- MARKER EXCEPT SM. (SMOOTH). "NO DIVING" MARKERS NOT REQUIRED ON WALL. 3. WALL DEPTH MARKERS (GUTTER POOL) - EACH DECK DEPTH MRKER SHALL BE MIRRORED ON VERTICAL FACE OF GUTTER WITH 6" VINYL POOL MARKERS BY INLAY, INC. ''NO DIVING'' MARKERS NOT REQUIRED ON WALL.

2. WALL DEPTH MARKERS (SKIMMER POOLS) - EACH DECK DEPTH MARKER SHALL BE MIRRORED ON WALL AT TILE LINE WITH 6" SMOOTH CERAMIC TILE. SAME AS DECK



DEPTH MARKER DETAILS



NOTE:

A POOL AREA BOND GRID SHALL FULLY COMPLY WITH ARTICLE 680 OF THE NATIONAL ELECTRICAL CODE. ALL METAL ITEMS WITHIN THE POOL AREA SUCH AS LADDER SOCKETS, STANCHION SOCKETS, HANDRAIL SOCKETS, METAL MAIN DRAINS, DECK REINFORCING, POOL REINFORCING, LIGHT NICHES, PUMPS, FILITERS AND ANY METAL EQUIPMENT THAT CONTACTS POOL WATER SHALL BE INCLUDED.

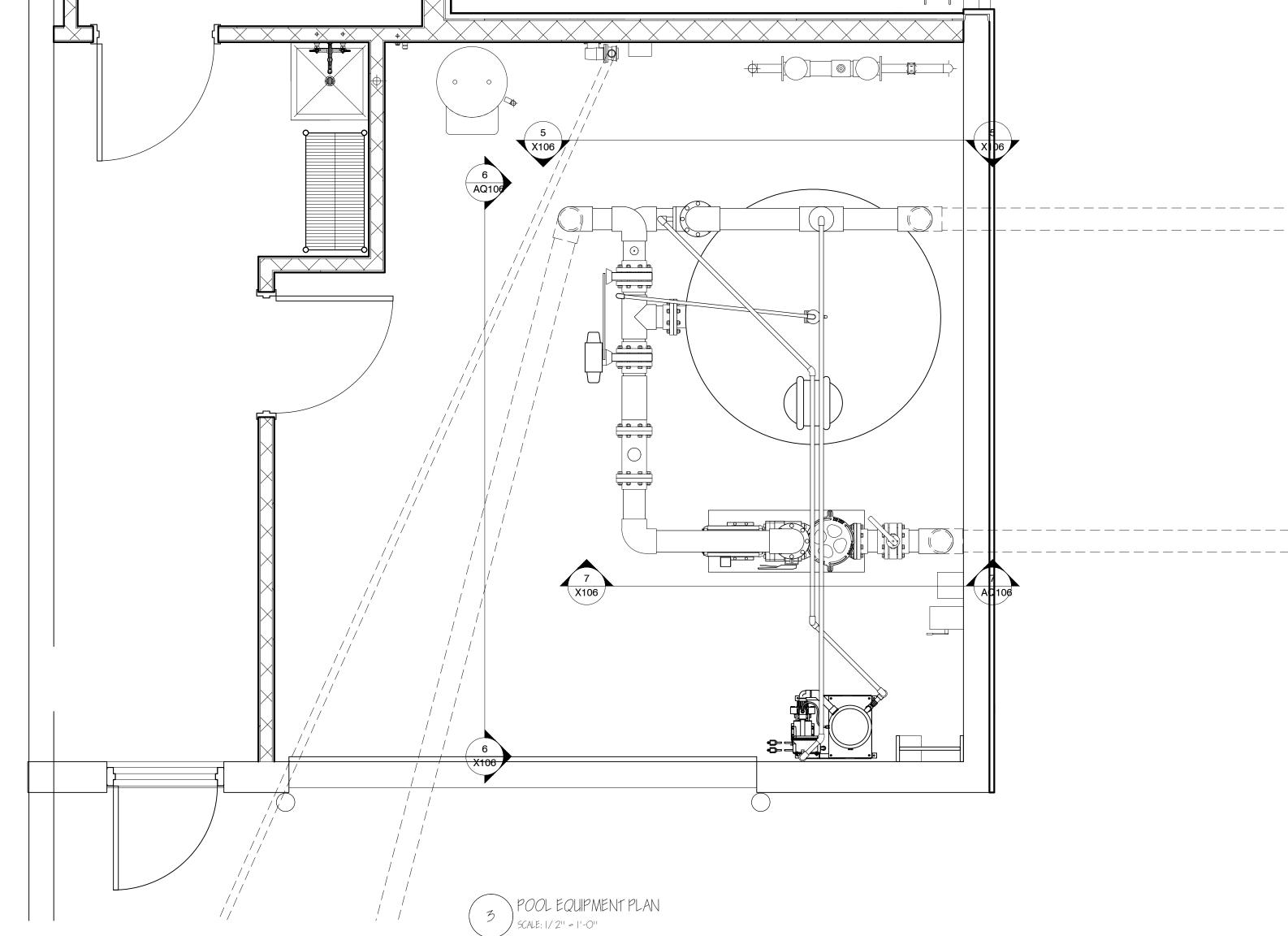
ARKANSAS Commission Number 2301

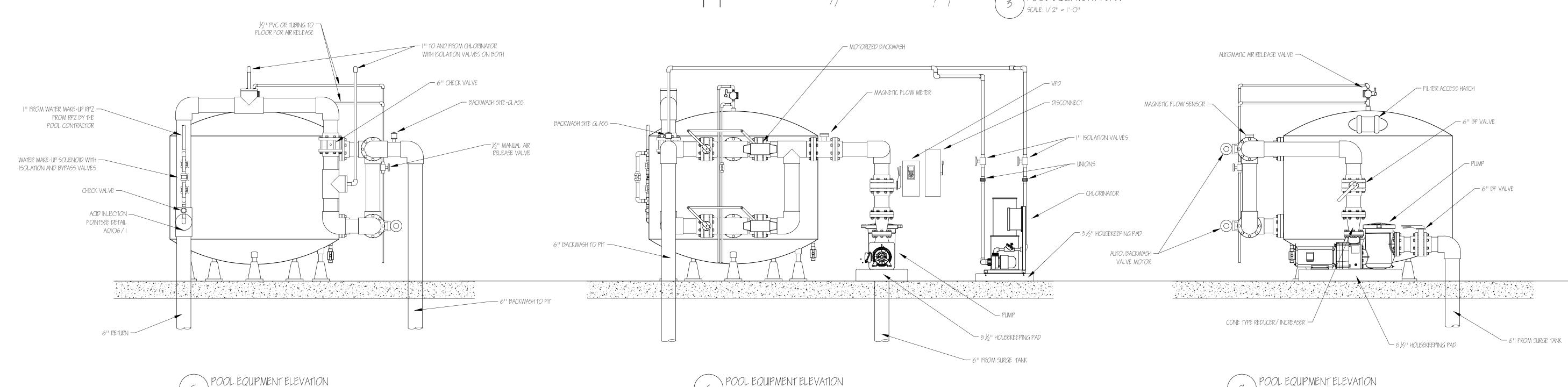
	SPAC	ING OF	HANGERS FO	OR SCHEI	OULE 40 P	VC PLAS	STIC PIP	E	
			Suppo	rt Spacing	in Ft. For P	ipe Sizes	of		
Temperature	$\frac{1}{2}$ " - $\frac{3}{4}$ "	1"	1 1/4" - 1 1/2"	2"	2 ½"	3"	4"	6"	8"
100°F	4.00	4.50	5.00	5.00	6.00	6.00	6.50	7.50	8.00
NOTES:					•	•	•	•	

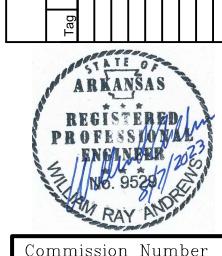
WITH STAINLESS HARDWARE.

- Assume that all piping is operating at 100°F.
 Piping hangers and supports shown on the plans are not complete. Piping shall be supported at intervals complying with the above table.
 Pipes shall not be hung from the ceiling.
 A few details are provided on this sheet to indicate the general methods desired. These details may not be inclusive of all methods necessary to properly support and anchor all piping.
 When strut channel is used for vertical support, it shall extend and attach to the ceiling. As an alternate for some of the lower piping, a stand / clamp combination such as B-Line B3088 / B3090 may be used.

SUBMIT PIPE SUPPORT PLANS IN DETAIL FOR APPROVAL, ALL SUPPORTS SHALL BE GALVANIZED OR EPOXY COATED

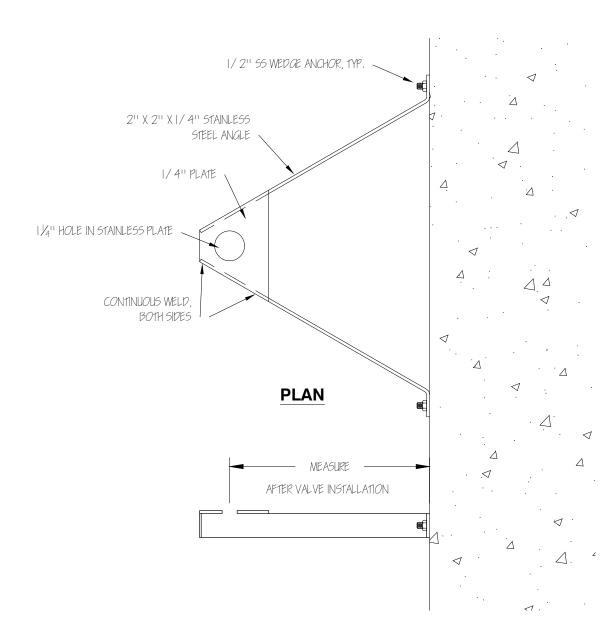




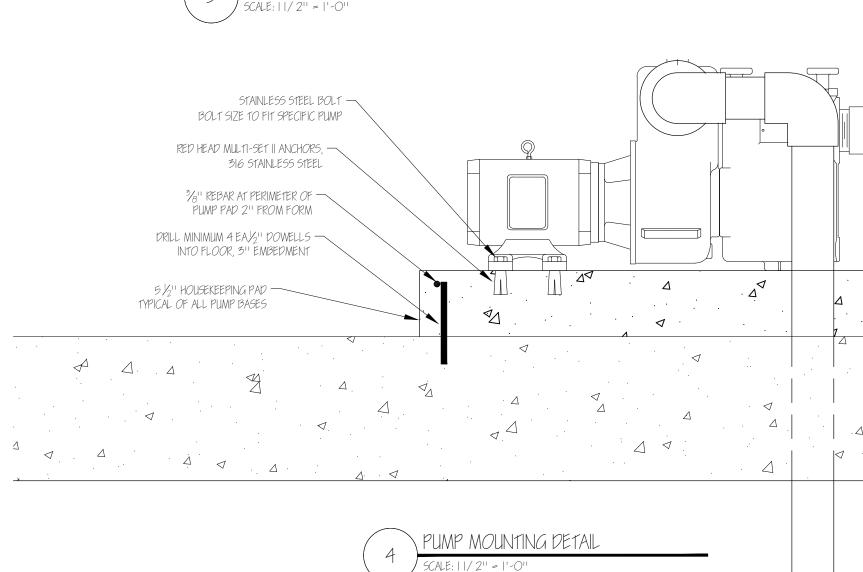


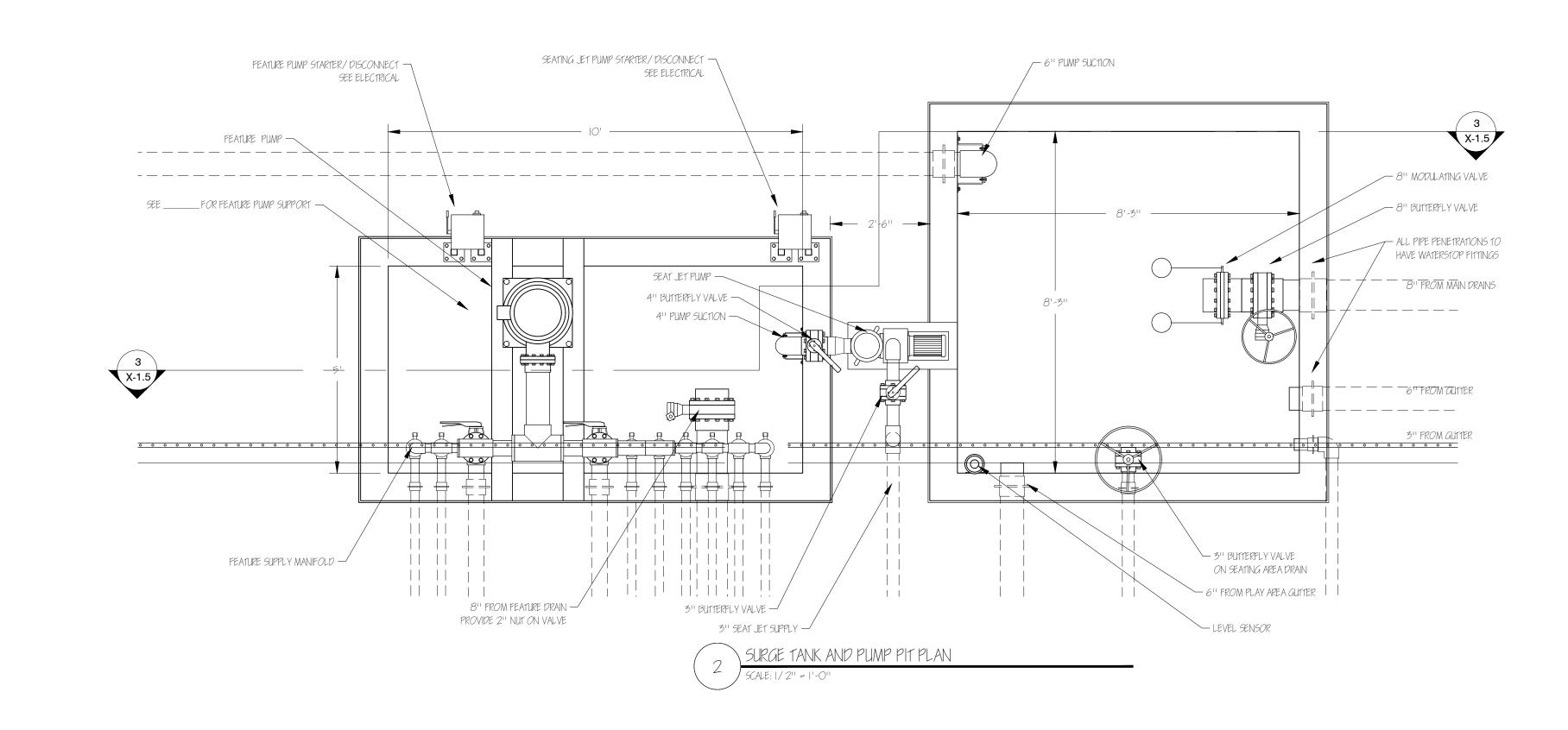
Commission Number 2301

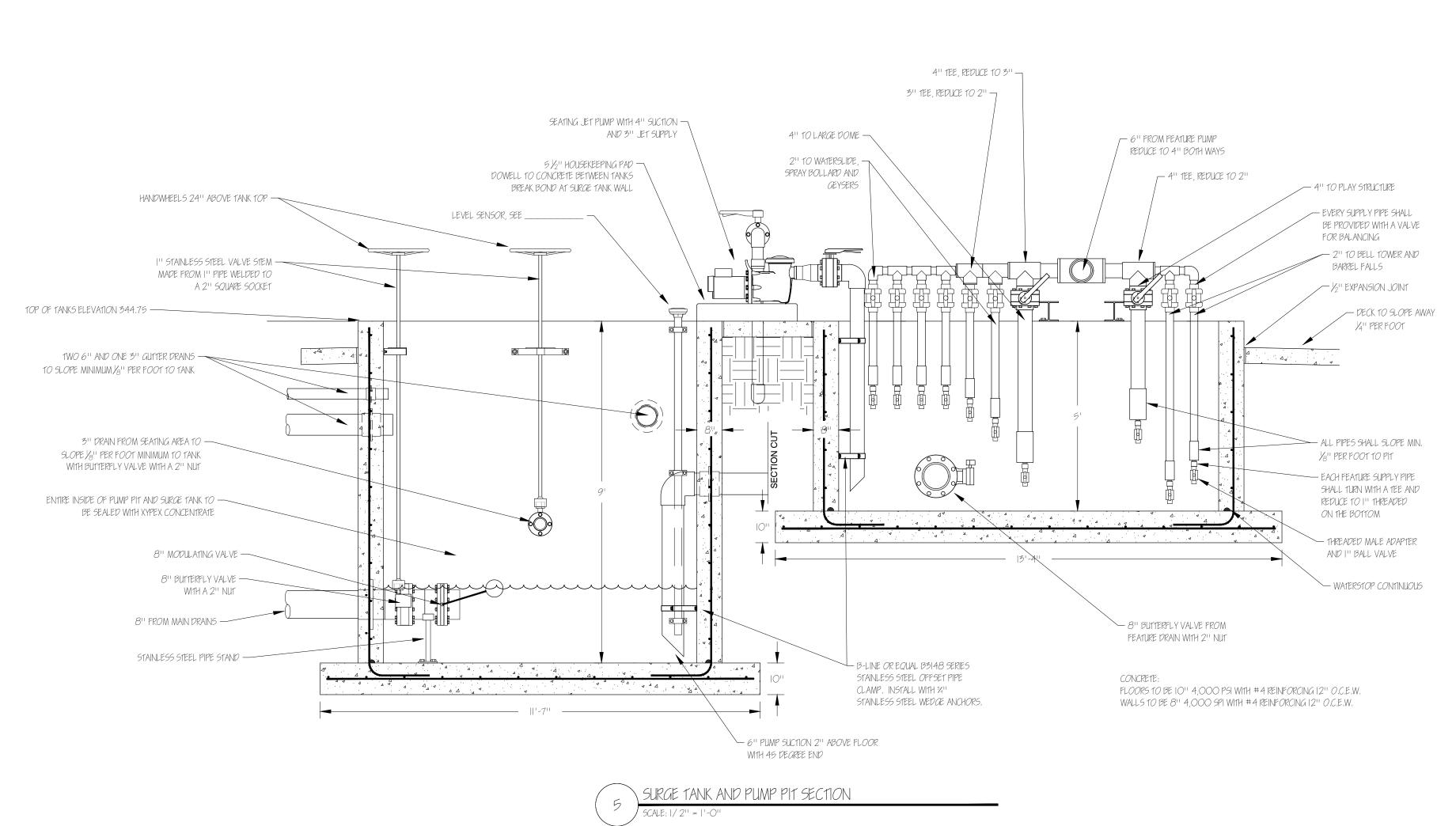




SURGE TANK VALVE STEM SUPPORT



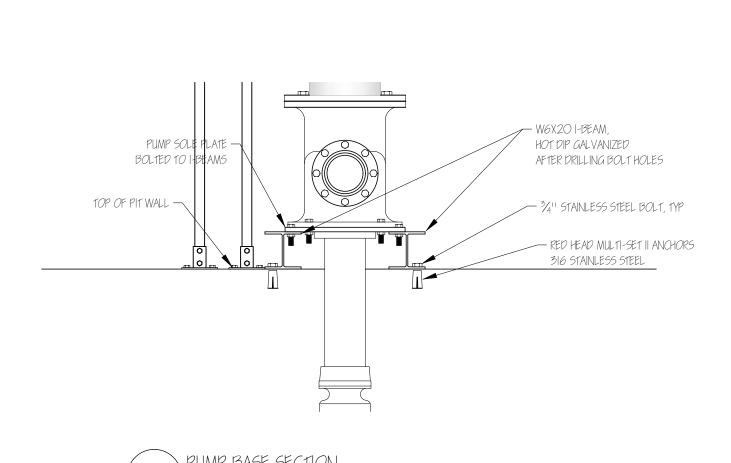


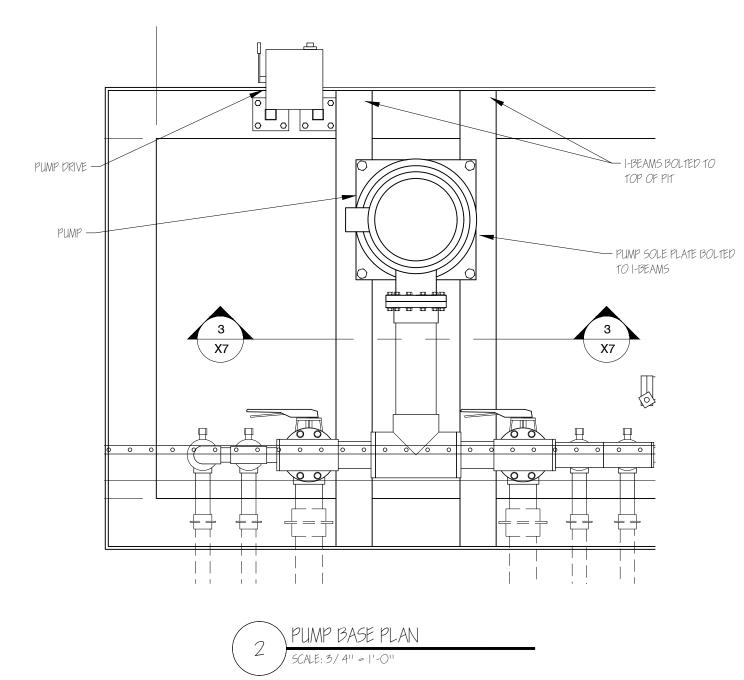


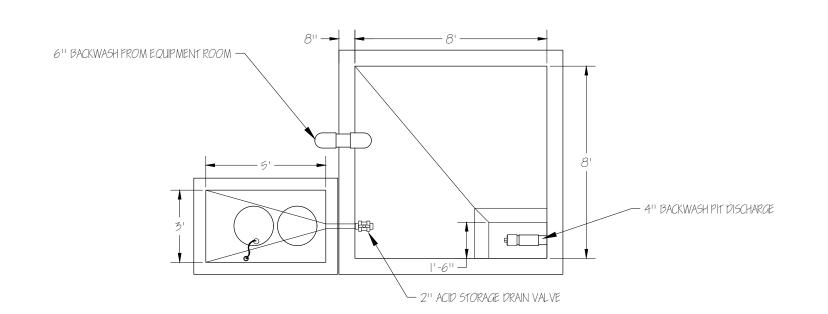


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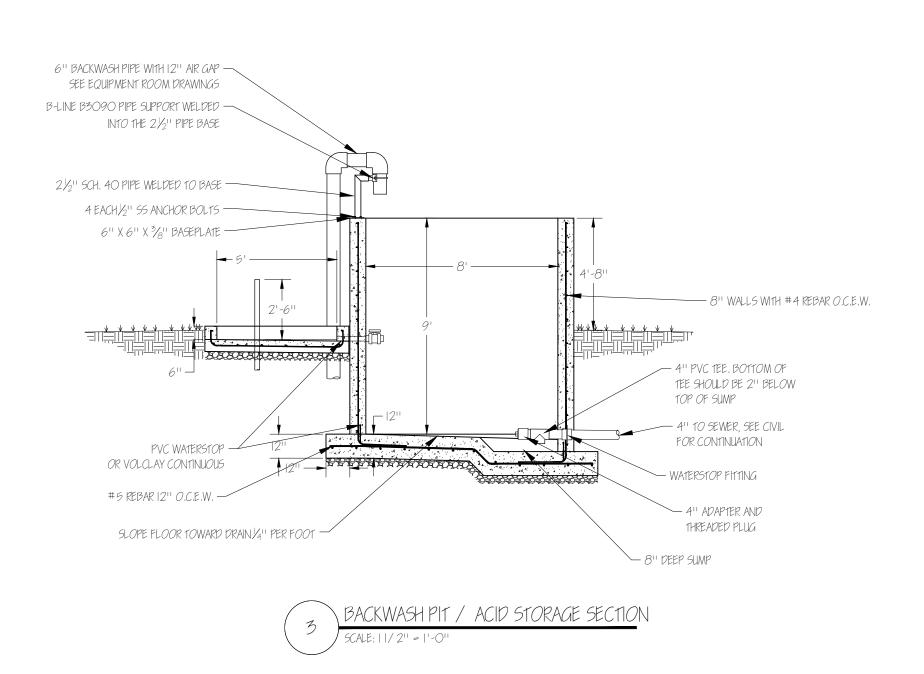
Commission Number 2301

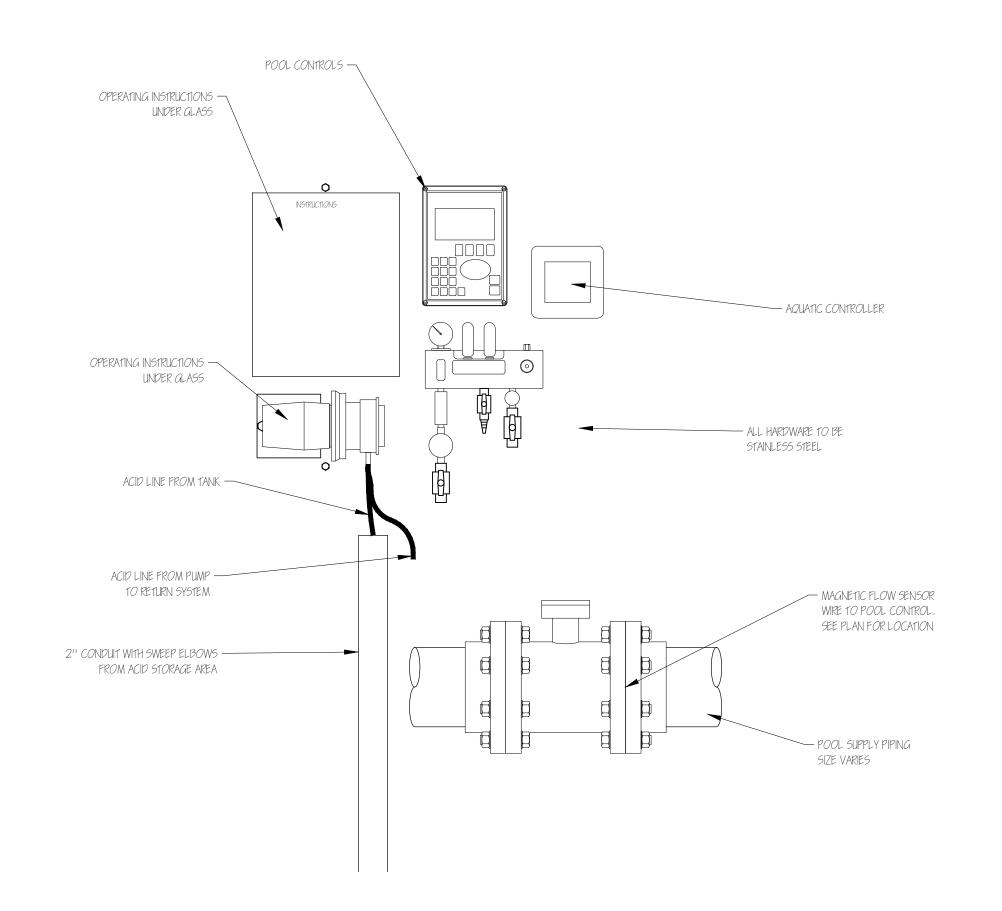








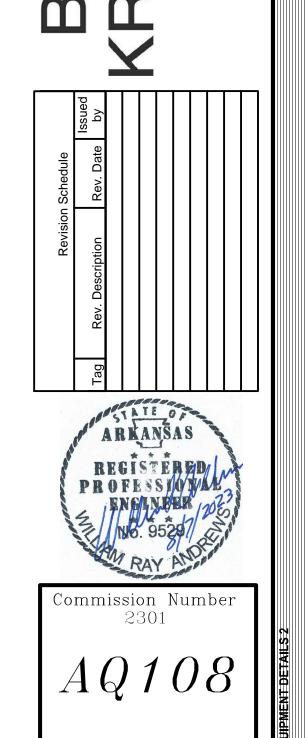












REINFORCING REQUIRED ROOF TOP UNIT STANDARD STEEL SHAPE (i.e. S10x35) SCHEDULE SECTION COLD-FORMED HAT SHAPE

SCHED

(SAWN) CONTROL JOINT SQUARE STIFFENER SHORT WAY TOP AND BOTTOM TONGUE AND GROOV TEMPERATURE TOP OF FOOTING

TOP OF COLUMN TOP OF CONCRETE TOP OF MASONRY TOP OF STEEL TOP OF PIER TUBE STEEL SHAPE (i.e. TS4x4x1/4) TYPICAL

UNLESS NOTED OTHERWISE VERTICAL VS JOIST (i.e. 2.5VS1) WIDE FLANGE SHAPE (i.e. W8x10) WITHOUT WORK POINT T SHAPE (i.e. WT8x13)

WELDED WIRE FABRI

COLD FORMED Z SHAPE

STRUCTURAL NOTES

GENERAL NOTES

- 1. THE CONTRACTOR SHALL THOROUGHLY REVIEW ALL CONTRACT DOCUMENTS AND INFORM THE ARCHITECT OF CONFLICTS OR DISCREPANCIES PRIOR TO BIDDING, FABRICATION, AND CONSTRUCTION.
- 2. IN CASES OF DISCREPANCIES IN DIMENSIONS AND ELEVATIONS BETWEEN STRUCTURAL AND ARCHITECTURAL DRAWINGS, CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION.
- 3. THE CONTRACTOR SHALL COORDINATE THE FIELD VERIFICATION OF ALL EXISTING SITE CONDITIONS SUCH AS EXISTING FLOOR ELEVATIONS, EXISTING FOOTING ELEVATIONS, EXISTING UTILITIES, ETC. WHETHER NOTED OR NOT IN THE CONTRACT DOCUMENTS AND SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS, DISCREPANCIES OR UNKNOWN CONDITIONS PRIOR TO FABRICATION AND CONSTRUCTION.
- 4. REPRODUCTION OF CONTRACT DRAWINGS, IN ANY FORM, WILL NOT BE ACCEPTED AS SHOP
- 5. REVIEW OF SUBMITTALS AND/OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER-OF-RECORD DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL FOR REVIEW. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. CONTRACTOR ALSO SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS, TECHNIQUES, AND PROCEDURES OF CONSTRUCTION.
- 6. CONTRACTOR SHALL PROVIDE TEMPORARY GUYS AND BRACING AS REQUIRED DURING CONSTRUCTION. STRUCTURE IS NOT STABLE UNTIL ALL STRUCTURAL MEMBERS, CONNECTIONS, AND DECKING IS IN PLACE.
- 7. ACI, AISC, AITC AND AWS SPECIFICATIONS SHALL GOVERN ALL PHASES OF FABRICATION AND CONSTRUCTION.

CONCRETE NOTES

CONCRETE REINFORCEMENT

- 1. CONCRETE REINFORCEMENT SUPPLIER SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW PRIOR TO CONSTRUCTION.
- 2. ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
- 3. PROVIDE THE FOLLOWING PROTECTIVE COVERING FOR ALL REINFORCING BARS UNLESS DETAILED OR NOTED OTHERWISE:

SLAB-ON-GRADE BARS (BOTTOM) 3" CLEAR 3" CLEAR BELOW GRADE (CAST AGAINST EARTH) 2" CLEAR BELOW GRADE (FORMED EDGE) WALLS 2" CLEAR 1.5" CLEAR TO TIES COLUMNS 1.5" CLEAR TO STIRRUPS ELEVATED BEAMS **ELEVATED SLABS & JOISTS** 0.75" CLEAR

- 4. DO NOT CUT TIES OR CONTINUOUS BARS TO PROVIDE CLEARANCE FOR EMBEDDED ITEMS OR OTHER OBSTRUCTIONS. INDIVIDUAL BARS AND TIES MAY BE MOVED VERTICALLY UP TO 1.5" AS REQUIRED TO PROVIDE CLEARANCE FOR EMBEDS, HOOKS, ETC. DO NOT HEAT REINFORCING TO BEND IT.
- 5. IF DOWELS OR VERTICAL REINFORCING ARE CUT OR SEVERELY BENT, CONTRACTOR MAY BE REQUIRED TO REMOVE THE CONCRETE BACK TO THE PREVIOUS POUR JOINT AND REPLACE THE DAMAGED BARS AND CONCRETE AT THE CONTRACTOR'S EXPENSE.
- 6. REINFORCEMENT SHALL BE SPLICED ONLY AS SHOWN OR NOTED IN THE CONTRACT DOCUMENTS. SPLICES AT OTHER LOCATIONS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER-OF-RECORD PRIOR TO FABRICATION.
- 7. REINFORCING BARS MARKED AS CONTINUOUS SHALL BE SPLICED WITH CLASS "B" TENSION LAP SPLICES ONLY.
- 8. ALL TENSION LAP SPLICES SHALL BE CLASS "B" UNLESS NOTED OTHERWISE.
- 9. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A185. LAP REINFORCEMENT 8 INCHES ON SIDES AND ENDS. MAINTAIN WIRE 1 TO 2 INCHES BELOW TOP SURFACE OF SLAB-ON-GRADE, UNLESS NOTED OTHERWISE. WELDED WIRE REINFORCEMENT MUST BE PLACED ON CHAIRS OR BOLSTERS AS REQUIRED TO MAINTAIN POSITION IN THE SLAB.
- 10. ONCE SHOP DRAWINGS HAVE BEEN REVIEWED, DO NOT ADD REINFORCING OR INFORMATION TO PREVIOUSLY SUBMITTED SHEETS FOR SUBSEQUENT SUBMITTALS UNLESS SHOP DRAWINGS ARE BEING RESUBMITTED AFTER BEING RETURNED "NOT REVIEWED".
- 11. WHERE ANCHOR RODS ARE CAST INTO CONCRETE, PROVIDE SUPPLEMENTAL REINFORCING EACH WAY. TIED NEAR THE TOP AND BOTTOM OF ALL ANCHOR RODS TO THE ADJACENT REBAR TO SECURE RODS DURING CONCRETE PLACEMENT. (MINIMUM SIZE #4)

CAST-IN-PLACE CONCRETE

- 1. CONCRETE SUPPLIER SHALL SUBMIT CONCRETE MIX DESIGN DATA TO THE ARCHITECT FOR REVIEW PRIOR TO CONSTRUCTION.
- 2. CONCRETE SHALL HAVE AT LEAST THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS AT 28 DAYS:
- A. FOOTINGS, GRADE BEAMS & DRILLED PIERS 3000 PSI B. REINFORCED CMU & BOND BEAM FILL (SEE MASONRY NOTES) C. SLABS-ON-GRADE, WALLS, PILASTERS, & PEDESTALS 4000 PSI

3. SEE CONCRETE MIX DESIGN TABLE

- 4. PROPORTIONS OF CONCRETE MIX DESIGNS SHALL BE DETERMINED BY THE PROCEDURES ESTABLISHED IN SECTION 5.3 OF ACI 318-05.
- 5. MIX DESIGN MAY INCLUDE (TYPE C) FLYASH AS A REPLACEMENT FOR PORTLAND CEMENT UP TO A MAXIMUM OF 20% OF THE TOTAL CEMENTITIOUS MATERIAL. DO NOT USE A FLYASH-CONTAINING CONCRETE MIX WHEN THE TEMPERATURE DURING PLACEMENT OR CURING IS PROJECTED TO FALL BELOW 60 DEGREES FAHRENHEIT.
- 6. MIX DESIGN MAY INCLUDE WATER REDUCING ADMIXTURES CONFORMING TO ASTM C494, TYPE A, TO PROVIDE WORKABILITY AND SPECIFIED SLUMP WITHOUT EXCEEDING SPECIFIED WATER/CEMENT RATIOS. WATER SHALL NOT BE ADDED ON SITE WITHOUT PRIOR APPROVAL. ANY APPROVED WATER AMOUNTS ADDED ON SITE MUST BE RECORDED & REPORTED BY THE TESTING AGENCY.
- 7. ALL CONCRETE EXPOSED TO WEATHER SHALL CONTAIN 5.5% AIR ENTRAINMENT (±1.5%). DO NOT EXCEED 3% AIR CONTENT IN CONCRETE RECEIVING A STEEL TROWEL FINISH.

MASONRY NOTES

- 1. ALL CONCRETE MASONRY UNITS (CMU) SHALL COMPLY WITH ASTM C90, AND HAVE A MINIMUM NET COMPRESSIVE STRENGTH OF 1900 PSI. SIZES SHALL BE AS INDICATED ON THE CONTRACT DRAWINGS.
- 2. TYPE M MORTAR SHALL BE USED BELOW GRADE AND TYPE S MORTAR SHALL BE USED ABOVE GRADE. MIX MORTAR IN ACCORDANCE WITH ASTM C270. USE TYPE 1 PORTLAND CEMENT (TYPE III MAY BE USED FOR COLD WEATHER CONSTRUCTION) MEETING ASTM C1329, HYDRATED LIME MEETING ASTM C207 AND AGGREGATE MEETING ASTM C144.
- 3. FILL ALL BOND BEAMS, ALL CMU CELLS WITH VERTICAL REINFORCING OR EXPANSION BOLTS, AND ALL CELLS BELOW GRADE WITH 3000 PSI GROUT MEETING THE FOLLOWING REQUIREMENTS:
 - A. USE A MINIMUM OF 5.5 BAGS OF PORTLAND CEMENT PER CUBIC YARD. B. MAXIMUM WATER/CEMENT RATIO BY WEIGHT SHALL BE 0.54.
 - C. WATER-REDUCING ADMIXTURE MEETING ASTM C494 SHALL BE USED TO PROVIDE SUFFICIENT FLOWABILITY TO READILY FILL CELLS WITH A REASONABLE AMOUNT OF

RODDING. ADDITIONAL WATER WILL NOT BE ALLOWED AFTER INITIAL MIXING.

- D. AGGREGATE SHALL BE WELL GRADED WITH A MAXIMUM SIZE OF 3/8". E. ALTERNATE MIX DESIGNS WILL BE CONSIDERED IF SUBMITTED TO THE ARCHITECT FOR APPROVAL AFTER CONTRACT IS AWARDED. ALTERNATE DESIGNS MUST SHOW SUFFICIENT FLOWABILITY CHARACTERISTICS AND A 28-DAY COMPRESSIVE STRENGTH OF AT LEAST 3000
- 4. MAXIMUM HEIGHT OF ALL GROUT FILL SHALL NOT EXCEED 4'-0" UNLESS CLEANOUT AND INSPECTION HOLE IS PROVIDED AT THE BOTTOM OF THE POUR.
- 5. ALL CMU SHALL BE REINFORCED WITH #5 VERTICAL AND DOWELS AT 4'-0" ON CENTER UNLESS SPECIFICALLY NOTED OTHERWISE OR NOTED AS UNREINFORCED MASONRY ON THE PLANS. WHERE SPLICES ARE REQUIRED. USE A LAP LENGTH OF AT LEAST 28 INCHES.
- 6. ALL VERTICAL CORNERS, VERTICAL END CELLS AND ONE CELL EACH SIDE OF ALL OPENINGS SHALL BE GROUTED AND REINFORCED WITH (1) #5 UNLESS NOTED OTHERWISE.
- 7. HORIZONTAL BOND BEAMS WITH (2) #5 CONTINUOUS SHALL BE PROVIDED AT THE TOP AND BOTTOM OF ALL OPENINGS, AT STRUCTURALLY CONNECTED ROOF AND FLOOR LEVELS, AT THE TOP OF ALL PARAPETS OR WALLS AND AS SPECIFICALLY SHOWN ON THE CONTRACT DRAWINGS. BOND BEAMS ABOVE AND BELOW OPENINGS SHALL EXTEND AT LEAST 2'-0" BEYOND THE OPENING UNLESS NOTED OTHERWISE.
- 8. WHERE VERTICAL REINFORCING AND HORIZONTAL REINFORCING INTERSECT, ALL REINFORCING SHALL RUN CONTINUOUS.
- 9. HORIZONTAL REINFORCING SHALL BE CONTINUOUS AT CORNERS WITH 90-DEGREE BENDS OR CORNER BARS WITH EACH LEG EQUAL TO THE REQUIRED LAP LENGTH. (SEE TYPICAL CORNER BAR
- 10. IN SEISMIC DESIGN CATEGORY D, E, OR F, BOND BEAMS WITH (2) #5 CONTINUOUS HORIZONTAL BARS SHALL BE PLACED AT A MAXIMUM OF 4'-0" ON CENTER VERTICALLY TO PROVIDE THE HORIZONTAL REINFORCING REQUIRED BY THE BUILDING CODE. (HORIZONTAL JOINT REINFORCING MAY BE OMITTED)

METALS NOTES

STRUCTURAL STEEL

- 1. STRUCTURAL STEEL SUPPLIER SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
- 2. ALL STRUCTURAL STEEL SHAPES SHALL BE AS FOLLOWS:
 - A. ALL WIDE FLANGE STRUCTURAL STEEL SHAPES SHALL BE ASTM A992.
 - B. SQUARE OR RECTANGULAR HOLLOW STRUCTURAL SECTIONS SHALL BE ASTM A500, GRADE B, Fy = 46 KSI
 - C. ROUND HOLLOW STRUCTURAL SECTIONS SHALL BE ASTM A500, GRADE B, Fy = 42 KSI D. ROUND STEEL PIPES SHALL BE ASTM A53, GRADE B, Fy = 35 KSI
 - E. ALL OTHER STRUCTURAL STEEL (CHANNELS, ANGLES, PLATES, ETC.) SHALL BE ASTM A36.
- 3. ALL ANCHOR RODS SHALL BE ASTM F1554 GRADE 36 (OR GRADE 55 WITH SUPPLEMENT S1 -WELDABILITY) UNLESS NOTED OTHERWISE.
- 4. STRUCTURAL BOLTS SHALL BE ASTM A325-N, UNLESS OTHERWISE NOTED.
- 5. BOLTS THRU WOOD BLOCKING SHALL BE ASTM A307. ALL BOLTS IN CONTACT WITH TREATED WOOD SHALL BE STAINLESS STEEL (TYPE 316L), OR HOT DIPPED GALVANIZED WITH A MINIMUM COATING THICKNESS OF 0.2 OUNCES PER SQUARE FEET (ASTM A153). USE STAINLESS BOLTS WITH STAINLESS STEEL CONNECTORS AND GALVANIZED BOLTS WITH GALVANIZED CONNECTORS IF ONLY ONE IS SPECIFIED.
- 6. POST-INSTALLED ADHESIVE ANCHORS IN CONCRETE SHALL BE STANDARD ASTM A36 THREADED RODS (OR APPROVED EQUAL) WITH A MINIMUM STEEL YIELD STRENGTH OF Fy=36 KSI, OR ASTM F593 STAINLESS STEEL ANCHORS WITH A MINIMUM YIELD STRENGTH OF Fy=45 KSI, UNLESS SHOWN OTHERWISE ON THE DRAWINGS. ADHESIVE SHALL BE HILTI "HIT-RE 500-SD" SYSTEM (REF: ICC-ES ESR-2322), SIMPSON STRONG-TIE "SET-XP" SYSTEM (REF: ICC-ES ESR-2508), (OR APPROVED EQUAL).
- 7. POST-INSTALLED ADHESIVE ANCHORS IN CONCRETE FILLED CMU CELLS SHALL BE STANDARD ASTM A36 THREADED RODS (OR APPROVED EQUAL) WITH A MINIMUM STEEL YIELD STRENGTH OF FY= 36 KSI, OR ASTM F593 STAINLESS STEEL ANCHORS WITH A MINIMUM YIELD STRENGTH OF Fy=45 KSI, UNLESS SHOWN OTHERWISE ON THE DRAWINGS. ADHESIVE SHALL BE HILTI "HIT-HY70" SYSTEM (REF: ICC-ES ESR-2682), SIMPSON STRONG-TIE "SET" SYSTEM (REF: ICC-ES ESR-1772), (OR APPROVED EQUAL).
- 8. POST-INSTALLED ADHESIVE ANCHORS IN HOLLOW CMU OR CLAY MASONRY SHALL BE STANDARD ASTM A36 THREADED RODS (OR APPROVED EQUAL) WITH A MINIMUM STEEL YIELD STRENGTH OF FY= 36 KSI OR ASTM F593 STAINLESS STEEL ANCHORS WITH A MINIMUM STEEL YIELD STRENGTH OF Fy=45 KSI, UNLESS SHOWN OTHERWISE ON THE DRAWINGS. ADHESIVE AND SCREEN TUBES SHALL BE HILTI "HIT-HY70" SYSTEM (REF: ICC-ES ESR-2682, SIMPSON STRONG-TIE "SET" SYSTEM (REF: ICC-ES ESR-1772), (OR APPROVED EQUAL).
- 9. POST-INSTALLED EXPANSION ANCHORS IN CONCRETE SHALL BE HILTI "KWIK BOLT TZ" (REF: ICC-ES ESR-1917), SIMPSON STRONG-TIE "STRONG BOLT 2" (REF: ICC-ES ESR-3037), (OR APPROVED EQUAL) CARBON STEEL ANCHORS UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
- 10. POST-INSTALLED SCREW ANCHORS SHALL BE HILTI "KWIK HUS EZ" (REF: ICC-ES ESR-3027), SIMPSON STRONG-TIE "TITEN HD" (REF: ICC-ES ESR-2713), (OR APPROVED EQUAL), UNLESS NOTED OTHERWISE.
- 11. CONNECTIONS WITH HIGH STRENGTH BOLTS SHALL BE DESIGNED CONSIDERING BOLT THREADS INCLUDED IN THE SHEAR PLANE (A325-N). ALL BOLTING SHALL BE INSTALLED BY THE TURN-OF-THE-NUT METHOD, REMOVABLE LOAD INDICATOR BOLTS, OR CALIBRATED WRENCH. SNUG TIGHT BOLTING WILL NOT BE PERMITTED UNLESS SPECIFICALLY DETAILED ON THE CONTRACT DRAWINGS.
- 12. ALL HIGH STRENGTH BOLTED CONNECTIONS (EXCEPT COMPOSITE FLOOR BEAM CONNECTIONS) SHALL BE BEARING TYPE SELECTED TO SUPPORT ONE-HALF (1/2) OF THE TOTAL UNIFORM LOAD CAPACITY OF THE BEAMS AS SHOWN IN TABLE 3-6 OF THE AISC MANUAL, 14TH EDITION, FOR THE GIVEN BEAM SIZE, SPAN AND GRADE OF STEEL SPECIFIED. THE EFFECTS OF ANY CONCENTRATED LOADS MUST BE TAKEN INTO ACCOUNT. CONNECTIONS SHALL BE DESIGNED CONSIDERING THREADS INCLUDED IN THE SHEAR PLANE (A325-N).

13. ALL WELDS SHALL BE E70XX, MINIMUM AND SHALL BE PERFORMED BY AWS CERTIFIED WELDERS, CERTIFIED WITHIN THE PREVIOUS TWELVE (12) MONTHS. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO THE BUILDING AND COMPONENTS DUE TO FIRE HAZARDS FROM

- 14. ALL STEEL LINTELS AND SHELF ANGLES SHALL BE COATED WITH A ZINC RICH PRIMER.
- 15. ALL STRUCTURAL STEEL EXPOSED TO WEATHER (SUCH AS MECHANICAL FRAMES) SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.

METAL DECKING

- 1. METAL DECKING SUPPLIER SHALL SUBMIT SHOP DRAWINGS PREPARED UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ARKANSAS TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
- 2. ROOF DECKING SHALL BE 1.0E22 GALVANIZED ROOF DECK ATTACHED TO THE STRUCTURE WITH 5/8" DIAMETER PUDDLE WELDS IN A 36/4 PATTERN AND (2) #10 TEK SCREW SIDELAP FASTENERS BETWEEN SUPPORTS.
- 3. POWDER ACTUATED OR PNEUMATIC FASTENERS MAY NOT BE SUBSTITUTED FOR PUDDLE WELDS.

WOOD NOTES

<u>LUMBER</u>

1. ALL WOOD MEMBERS THAT ARE IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED WITH WATER BORNE TREATMENT TO A NET RETENTION OF 0.3 POUNDS PER CUBIC FOOT. (SEE STRUCTURAL STEEL FRAMING NOTE #5 FOR BOLTS IN CONTACT WITH PRESERVATIVE TREATED

- 2. ALL STRUCTURAL LUMBER EXCEPT LOAD BEARING STUDS SHALL BE #2 KD SOUTHERN PINE.
- 3. LUMBER USED FOR LOAD BEARING STUDS MAY BE #2 KD SOUTHERN PINE, #1 HEM-FIR OR #1 SPRUCE-PINE-FIR.
- 4. PROVIDE COLUMNS BUILT-UP OF MULTIPLE STUDS AT ENDS OF ALL HEADERS AND BEAMS (2 STUDS MINIMUM).
- 5. PROVIDE 2x4 OR 2x6 SOLID WOOD BLOCKING AT ALL RIDGES, VALLEYS & HIPS. PROVIDE 2x8 RAFTERS AT 24" ON CENTER AT ALL ROOF OVERBUILDS. PROVIDE 2x4 OR 2x6 OUTRIGGERS AT ALL OVERHANGS AND PROVIDE SOLID BLOCKING BETWEEN OUTRIGGERS AT SUPPORT.

STRUCTURAL PANELS

- 1. ROOF SHEATHING SHALL BE 5/8", APA RATED, ORIENTED STRAND BOARD (OSB) (SPAN INDEX 40/20). ATTACHMENT SHALL BE WITH 10d COMMON NAILS AT 6" ON CENTER AT SUPPORTED EDGES AND AT 12" ON CENTER ALONG ALL INTERMEDIATE SUPPORTS. PLYCLIPS SHALL BE USED AT ALL FREE EDGES, ONE AT MID-POINT BETWEEN ALL SUPPORTS.
- 2. PNEUMATIC NAILING MAY BE SUBSTITUTED FOR COMMON NAILS UNDER THE FOLLOWING CONDITIONS:
 - A. PNEUMATIC NAIL SUBSTITUTE FOR 8d COMMON NAILS SHALL HAVE A MINIMUM DIAMETER OF 0.131 INCHES AND LENGTH OF 2 1/2 INCHES.
 - B. PNEUMATIC NAIL SUBSTITUTE FOR 10d COMMON NAILS SHALL HAVE A MINIMUM DIAMETER OF 0.148 INCHES AND LENGTH OF 3 INCHES.
 - T-HEAD NAILS OR STAPLES ARE NOT ACCEPTABLE.

PRE-FABRICATED STRUCTURAL WOOD

ALLOWABLE HORIZONTAL SHEAR

1. LVL BEAMS SHALL BE 1.9E MICROLLAM LVL OR AN APPROVED EQUAL WITH THE FOLLOWING

MODULUS OF ELASTICITY	(E)	=	1,900,000 PSI
ALLOWABLE BENDING STRESS	(Fb)	=	2600 PSI
ALLOWABLE COMPRESSION PERPENDICULAR TO GRAIN	(Fc <u>I</u>)	=	750 PSI
ALLOWABLE COMPRESSION PARALLEL TO GRAIN	(Fc II)	=	2510 PSI
ALLOWABLE HORIZONTAL SHEAR	(Fv)	=	285 PSI

2. RIMBOARD SHALL BE 1 1/4" TIMBERSTRAND LSL OR AN APPROVED EQUAL WITH THE FOLLOWING MINIMUM PROPERTIES:

MODULUS OF ELASTICITY	(E)	=	1,300,000 PSI
ALLOWABLE BENDING STRESS	(Fb)	=	1700 PSI
ALLOWABLE COMPRESSION PERPENDICULAR TO GRAIN	(Fc <u>I</u>)	=	680 PSI
ALLOWABLE COMPRESSION PARALLEL TO GRAIN	(Fc II)	=	1400 PSI

400 PSI

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(*) CAUTION: DO NOT INCREASE JOIST MOMENT DESIGN PROPERTIES BY A REPETITIVE MEMBER USE FACTOR

SPECIAL INSPECTION NOTES

- 1. SPECIAL INSPECTIONS SHALL BE REQUIRED IN ACCORDANCE WITH CHAPTER 17 OF THE BUILDING CODE. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INSPECTIONS WITH THE INSPECTION AGENCY.
- 2. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE TO PERFORM THE REQUIRED INSPECTION TO THE SATISFACTION OF THE BUILDING OFFICIAL.
- 3. THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF INSPECTIONS. INSPECTION REPORTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
- 4. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK.
- 5. A FINAL REPORT OF INSPECTIONS DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES SHALL BE SUBMITTED TO THE OWNER, BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AT THE COMPLETION OF THE STRUCTURAL PORTION OF THE WORK.



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Commission Number 2301

AUGUST 8, 2023

PRE-FABRICATED WOOD TRUSSES

- 1. WOOD TRUSS FABRICATOR SHALL SUBMIT CALCULATIONS AND SHOP DRAWINGS SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ARKANSAS TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
- 2. TRUSS DIMENSIONS AND LAYOUT, IF SHOWN, IS FOR ESTIMATING PURPOSES ONLY AND IS NOT NECESSARILY TO BE USED FOR FABRICATION. FABRICATOR SHALL BE RESPONSIBLE FOR ACTUAL DIMENSIONS OF TRUSSES. TRUSSES SHALL UTILIZE ONLY THE BEARING WALLS AND SUPPORTS SHOWN ON THE PLANS.
- 3. CONTRACTOR SHALL PROVIDE BRACING FOR TRUSS CHORDS AND WEB MEMBERS AS REQUIRED BY THE TRUSS FABRICATOR. SYSTEM IS NOT STABLE UNTIL SHEATHING AND PERMANENT BRACING ARE INSTALLED.
- 4. ALL LUMBER USED FOR TRUSSES SHALL BE #2 GRADE, KILN-DRIED SOUTHERN PINE, #2 SPRUCE-PINE-FIR, #2 HEM-FIR, OR BETTER. NUMBER 3 GRADE LUMBER WILL NOT BE ALLOWED FOR CHORDS OR WEB MEMBERS. MINIMUM TRUSS MEMBER SIZE SHALL BE 2x4.
- 5. MINIMUM TRUSS PLATE SIZE SHALL BE (3"x5") OR (4"x4") EACH SIDE OF TRUSS AT ALL JOINTS.
- 6. MINIMUM CONTACT AREAS FOR TRUSS PLATES SHALL BE 3.75 SQUARE INCHES ON EACH MEMBER AT ALL JOINTS, EACH SIDE OF TRUSS.
- 7. TRUSS MANUFACTURER SHALL DESIGN AND PROVIDE TRUSS HANGERS WHERE TRUSSES ARE SUPPORTED BY OTHER TRUSSES.
- 8. PROVIDE SIMPSON "H2.5A" ANCHORS PLUS CODE REQUIRED NAILING TO ATTACH EACH END OF ALL TRUSSES TO SUPPORTS WHERE TRUSSES ARE SUPPORTED BY BEARING WALLS, STEEL BEAMS, OR LAMINATED WOOD BEAMS.

EARTHWORK & FOUNDATION NOTES

EXCAVATION & FILL

- 1. ALL UNDERCUTTING, SITE PREPARATION, FILL SELECTION, BACKFILLING AND COMPACTION SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND SOILS ENGINEER'S RECOMMENDATIONS.
- 2. SELECT FILL BENEATH THE BUILDING SHALL BE PLACED IN LIFTS NOT EXCEEDING 8" LOOSE THICKNESS AND COMPACTED TO AT LEAST 95" OF MAXIMUM MODIFIED PROCTOR DRY DENSITY (ASTM D1557). THE IN-PLACE DENSITY AND MOISTURE CONTENT SHALL BE ESTABLISHED AND APPROVED FOR EACH LIFT PRIOR TO PLACEMENT OF SUBSEQUENT LIFTS.
- 3. SUBGRADE PREPARATION, INCLUDING UNDERCUTS WHERE REQUIRED, SHALL EXTEND AT LEAST 8'-0" BEYOND BUILDING LIMITS.

SPREAD FOOTINGS

- 1. BOTTOM OF FOOTING ELEVATIONS (BF) SHOWN ON THE PLANS ARE FOR ESTIMATING PURPOSES ONLY AND ARE NOT NECESSARILY TO BE USED FOR CONSTRUCTION. THE SOILS ENGINEER OR HIS REPRESENTATIVE SHALL BE ENGAGED TO INSPECT ALL FOOTING EXCAVATIONS TO VERIFY THAT THE REQUIRED ALLOWABLE BEARING CAPACITY IS ATTAINABLE. BOTTOM OF FOOTING ELEVATIONS SHALL BE ADJUSTED PER THE ON-SITE RECOMMENDATIONS OF THE SOILS ENGINEER OR HIS
- 2. ALL SPREAD FOOTING EXCAVATIONS SHALL BE FOUNDED IN PROPERLY COMPACTED SELECT FILL OR IN THE NATURAL SOILS (STRATUM II) WITH AN ALLOWABLE NET BEARING CAPACITY OF AT LEAST
- 3. CONTRACTOR SHALL RETAIN THE SERVICES OF A GEOTECHNICAL ENGINEER REGISTERED IN THE STATE OF ARKANSAS TO PROVIDE GEOTECHNICAL ENGINEERING SERVICES AS REQUIRED.
- 3. MAINTAIN FINISHED GRADE (AND/OR BOTTOM OF FOOTING ELEVATIONS) TO PROVIDE AT LEAST 1'-6" COVER ABOVE THE BOTTOM OF ALL EXTERIOR FOOTINGS FOR FROST PROTECTION.

DESIGNITONDS

DESIGN LOADS		
DEAD LOADS:		WEIGHT OF THE STRUCTURE
ROOF LIVE LOADS:		20 PSF
GROUND SNOW LOAD	Pg:	10 PSF
WIND SPEED FOR RISK CATEGORY II & EXPOSURE C	Vult:	110 MPH
BUILDING RISK CATEGORY		II
WIND EXPOSURE CATEGORY INTERNAL PRESSURE COEFFICIENT COMP. & CLADDING WIND PRESSURE	GCpi: Pnet30:	C ±0.18 SEE ASCE 7-16, TABLE 30. 7-2
SIESMIC IMPORTANCE FACTOR MAPPED SPECTRAL REPSONSE ACCELERATIONS SITE CLASS SPECTRAL RESPONSE COEFFICIENT		1.0 1.158 0.401 D (ASSUMED) 0.800 0.507
SIESMIC DESIGN CATEGORY	.	D
BASIC SIESMIC-FORCE-RESISTING SYSTEM (PER ASCE 7-10, TABLE 12. 2-1)		C. MOMENT FRAME SYSTEM 4. STEEL ORDINARY MOMENT FRAMES
DESIGN BASE SHEAR SIESMIC RESPONSE COEFFICIENT RESPONSE MODIFICATION FACTOR ANALYSIS PROCEDURE	V: Cs: R:	0.23W 0.23 3.50 EQUIVALENT LATERAL FORCE METHOD (PER ASCE 7-16, TABLE 12. 6-1 & SECT. 12.8)
SIESMIC ZONE PER A.C.A. 12-80-101 ET. SEQ.	ZONE:	1
CODES:		2021 AKRANSAS FIRE PREVENTION CODE

THE FOUNDATIONS AND STRUCTURAL FRAMING HAVE BEEN DESIGNED TO RESIST THE LOADS AND FORCES STATED ABOVE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2012 ARKANSAS FIRE PREVENTION CODE AND A.C.A. 12-80-101 ET. SEQ.

A.C.A. 12-80-101 ET. SEQ. (ARKANSAS STATE

PRE-FABRICATED WOOD TRUSS DESIGN LOADS:

FLOOR TRUSSES

25 PSF (TOP CHORD) DEAD LOAD: 5 PSF (BOTTOM CHORD)

LIVE LOAD: SEE FLOOR DESIGN LOADS ABOVE (NON-REDUCABLE) TOP CHORD

5 PSF (NON-REDUCABLE) BOTTOM CHORD

CODES: 2012 ARKANSAS FIRE PREVENTION CODE A.C.A. 12-80-101 ET. SEQ. (ARKANSAS STATE LAW)

ROOF TRUSSES

DEAD LOAD: 5 PSF (TOP CHORD) 5 PSF (BOTTOM CHORD)

5 PSF (TOP CHORD) COLLATERAL LOAD: 5 PSF (BOTTOM CHORD)

LIVE LOAD: 20 PSF (NON-REDUCABLE) TOP CHORD

5 PSF (NON- REDUCABLE) BOTTOM CHORD

(SEE DESIGN LOADS ABOVE) DO NOT USE COLLATERAL LOAD IN WIND LOAD: COMBINATION WITH WIND LOAD. TRUSSES SHALL BE DESIGNED FOR

COMPONENTS & CLADDING WIND PRESSURES.

SNOW LOAD: (SEE DESIGN LOADS ABOVE)

(SEE DESIGN LOADS ABOVE) DO NOT USE COLLATERAL LOAD IN SIESMIC LOAD:

COMBINATION WITH SIESMIC LOAD.

CODES: 2021 ARKANSAS FIRE PREVENTION CODE A.C.A. 12-80-101 ET. SEQ. (ARKANSAS STATE LAW)

SOIL TESTING AND INSPECTIONS

- 1. A QUALIFIED TESTING LABORATORY SHALL TEST ALL CONTROLLED STRUCTURAL FILL. A MINIMUM OF TWO SOIL COMPACTION TESTS SHALL BE MADE FOR EACH LIFT.
- 2. AFTER FOOTING EXCAVATIONS HAVE BEEN MADE TO DESIGN ELEVATIONS, THE INDEPENDENT TESTING AGENCY SHALL INSPECT AND TEST THE BEARING SOIL TO VERIFY THAT IT MEETS THE REQUIRED DESIGN CAPACITY.

CONCRETE CONSTRUCTION INSPECTIONS

- 1. INSPECT REINFORCING STEEL PRIOR TO PLACING CONCRETE. CHECK REINFORCING SIZE, SPACING AND LOCATION.
- 2. VERIFY SIZE, TYPE, EMBEDMENT DEPTH, PROJECTION AND QUANTITY OF ANCHOR BOLTS.
- 3. CYLINDERS SHALL BE MADE FOR DETERMINING THE CONCRETE STRENGTH FROM EACH CLASS OF CONCRETE TO BE PLACED. SAMPLES SHALL BE TAKEN NOT LESS THAN ONCE A DAY, NOR LESS THAN ONCE FOR EACH 150 CUBIC YARDS OF CONCRETE, NOR LESS THAN ONCE FOR EACH 5,000 SQUARE FEET OF SURFACE AREA FOR SLABS OR WALLS. (EACH SAMPLE SHALL CONSIST OF 4 CYLINDERS MADE, HANDLED AND TESTED PER THE SPECIFICATIONS.)
- 4. EACH TIME THE CYLINDERS ARE MADE THE SLUMP, AIR CONTENT AND TEMPERATURE OF THE CONCRETE SHALL ALSO BE CHECKED.
- 5. THE CONTRACTOR'S METHOD OF MAINTAINING THE MINIMUM CURING TEMPERATURE AND CURING TECHNIQUE SHALL BE REVIEWED.
- 6. PROVIDE CONTINUOUS INSPECTION OF POST-INSTALLED ADHESIVE ANCHORS IN CONCRETE ELEMENTS TO VERIFY THE INSTALLATION IS IN ACCORDANCE WITH STRUCTURAL DRAWINGS, EVALUATION SERVICE REPORT, AND MANUFACTURER'S INSTRUCTIONS. VERIFY LOCATION, EDGE DISTANCES, SPACING, DRILL BIT SIZE, HOLE DEPTH, HOLE CLEANING PROCEDURES, ANCHOR MATERIAL, EMBEDMENT, AND INSTALLATION PROCEDURES INCLUDING CHECKING EXPIRATION DATE AND PROPER MIXING OF ADHESIVE.

MASONRY CONSTRUCTION INSPECTIONS

1. ALL MASONRY CONSTRUCTION FOR LOAD BEARING WALLS SHALL BE INSPECTED AND EVALUATED IN ACCORDANCE WITH THE REQUIREMENTS FOR LEVEL B QUALITY ASSURANCE AS OUTLINED IN TABLE 1.19.2 OF THE MASONRY CODE (TMS 402/ACI 530/ASCE 5).

STEEL CONSTRUCTION INSPECTIONS

1. PERIODICALLY VERIFY THAT THE PROPER MATERIALS FOR HIGH-STRENGTH BOLTS, STRUCTURAL STEEL AND WELD FILLER MATERIALS ARE BEING USED.

2. PERIODICALLY CHECK TIGHTENING OF HIGH-STRENGTH BOLTS USING THE TURN OF THE NUT METHOD WITH MATCH MARKING TECHNIQUES OR DIRECT TENSION INDICATOR BOLTS.

3. WELDING PROCEDURES, MATERIALS AND WELDER QUALIFICATIONS FOR ALL FIELD WELDING SHALL BE VERIFIED PRIOR TO THE START OF WORK.

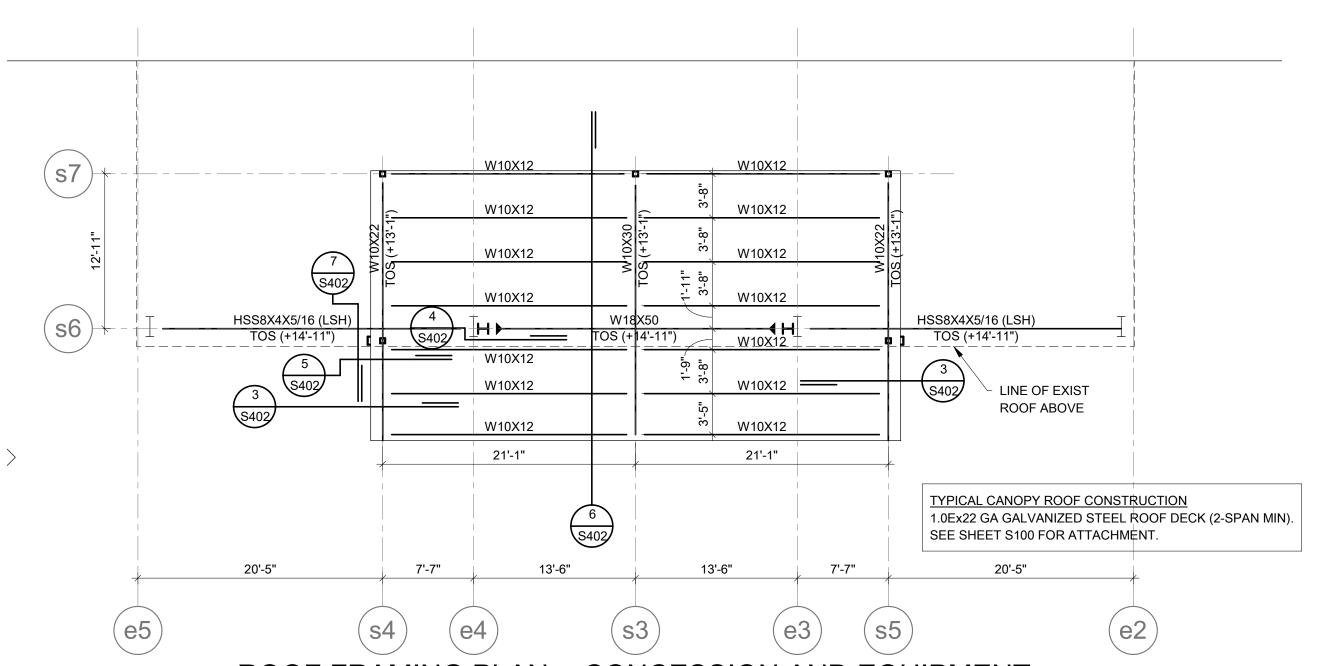
4. PERIODIC INSPECTION OF WELDING IN PROGRESS AND VISUAL INSPECTION OF ALL FIELD WELDS SHALL BE MADE FOR ALL SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16" IN SIZE AND FOR FLOOR DECK WELDING.

WOOD CONSTRUCTION INSPECTIONS

- 1. PERIODICALLY VERIFY THAT THE PROPER SIZE, SPECIES, GRADE, SPACING, ETC. OF ALL WOOD FRAMING MEMBERS ARE USED.
- 2. PERIODICALLY VERIFY THAT THE PROPER CONNECTIONS ARE USED INCLUDING FRAMING ANCHORS, HANGERS, SIZE, SPACING & NUMBER OF NAILS, ETC.
- 3. PERIODICALLY VERIFY THAT ALL STRUCTURAL BRIDGING, BLOCKING AND BRACING IS PROPERLY INSTALLED.

TYP. FLOOR CONSTRUCTION 4" CONCRETE SLAB w/ 6x6-W4.0xW4.0 ON VAPOR BARRIER (SEE ARCH.) OVER 4" TENSION TIE BARS TO COMPACTED WASHED CRUSHED STONE. RUN CONTINUOUS F.F.E. = (VARIES) (SEE ARCH) THROUGH POUR JOINT ______ s6 7'-7" 13'-6" 7'-7" 20'-5" 13'-6"

> FOUNDATION PLAN - CONCESSION AND EQUIPMENT 1/8" = 1'-0"

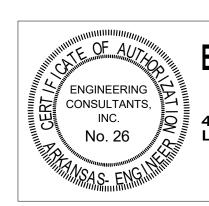


ROOF FRAMING PLAN - CONCESSION AND EQUIPMENT 1/8" = 1'-0"

CAST-IN-PLACE CONCRETE MIX DESIGN TABLE

MIX DESIGN SHALL INCLUDE AT LEAST THE FOLLOWING AMOUNTS OF PORTLAND CEMENT MEETING ASTM C150 OR D595 PER CUBIC YARD OF CONCRETE

	NON-AIR E	NTRAINED	AIR ENT	RAINED	
28 DAY MIN.	MIN. CEMENT	MAXIMUM	MIN. CEMENT	MAXIMUM	DESIGN
COMPRESSIVE	CONTENT	PERMISSIBLE	CONTENT	PERMISSIBLE	SLUMP
STRENGTH (PSI)	(LBS/YARD ³)	W/C RATIO	(LBS/YARD ³)	W/C RATIO	w/ WRA
3000	470	0.53	NA	NA	4"+/-1"
4000	564	0.44	611	0.40	6"+/-1"
	COMPRESSIVE STRENGTH (PSI) 3000	28 DAY MIN. COMPRESSIVE STRENGTH (PSI) 3000 MIN. CEMENT CONTENT (LBS/YARD³) 470	COMPRESSIVE CONTENT PERMISSIBLE W/C RATIO 3000 470 0.53	28 DAY MIN. COMPRESSIVE STRENGTH (PSI) 3000 MIN. CEMENT CONTENT PERMISSIBLE W/C RATIO 0.53 NA MIN. CEMENT CONTENT (LBS/YARD³) NA	28 DAY MIN. COMPRESSIVE CONTENT CONTENT (LBS/YARD³) STRENGTH (PSI) 3000 470 MIN. CEMENT CONTENT CONTENT (CONTENT (LBS/YARD³) W/C RATIO NA NA NA



Engineering Consultants, Inc. Structural Engineers

401 West Capitol Avenue, Suite 305 Little Rock, Arkansas 72201-3401 Phone No: (501) 376-3752 JOB# 23-230

Commission Number 2301 AUGUST 8, 2023

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CENTER

2. USE 3,000 PSI CONCRETE IN LINTEL BLOCKS.

UP TO 4'-0" OPENING

8"x8" LINTEL BLK.

w/ (2) #5

1. LINTEL SCHEDULE APPLIES UNLESS NOTED OR DETAILED

3. FILL CELLS BELOW LINTEL BEARING w/ CONCRETE FULL HEIGHT, (PROVIDE (1) #5 VERTICAL BAR IN EACH CELL).

LINTEL SCHEDULE

WALL TYPE

8" BLOCK

OTHERWISE.

2 S401 11'-4" 10'-8"

S201

11'-4"

SLOPE SLAB 1/4" TO TRENCH DRAIN

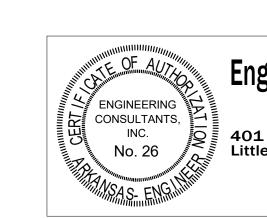
TYP. FLOOR CONSTRUCTION

4" CONCRETE SLAB w/ 6x6-W4.0xW4.0 ON VAPOR
BARRIER (SEE ARCH.) OVER 4" COMPACTED

WASHED CRUSHED STONE. F.F.E. = (+0'-0")

TYPICAL ROOF CONSTRUCTION

5/8", APA RATED, ORIENTED STRAND BOARD (OSB) (SPAN INDEX 40/20). SEE SHEET S101 FOR ATTACHMENT.



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1/8" = 1'-0" TBE = +11'- 5 1/2" (3) 1.75x9 5 LVL WOOD TRUSSES @ 24"o.c. (3) 1.75x9 5 LVL (3) 1.75x9 5 LVL TBE = +11'- 5 1/2" (3) 1.75x9.5 LVL

28'-0"

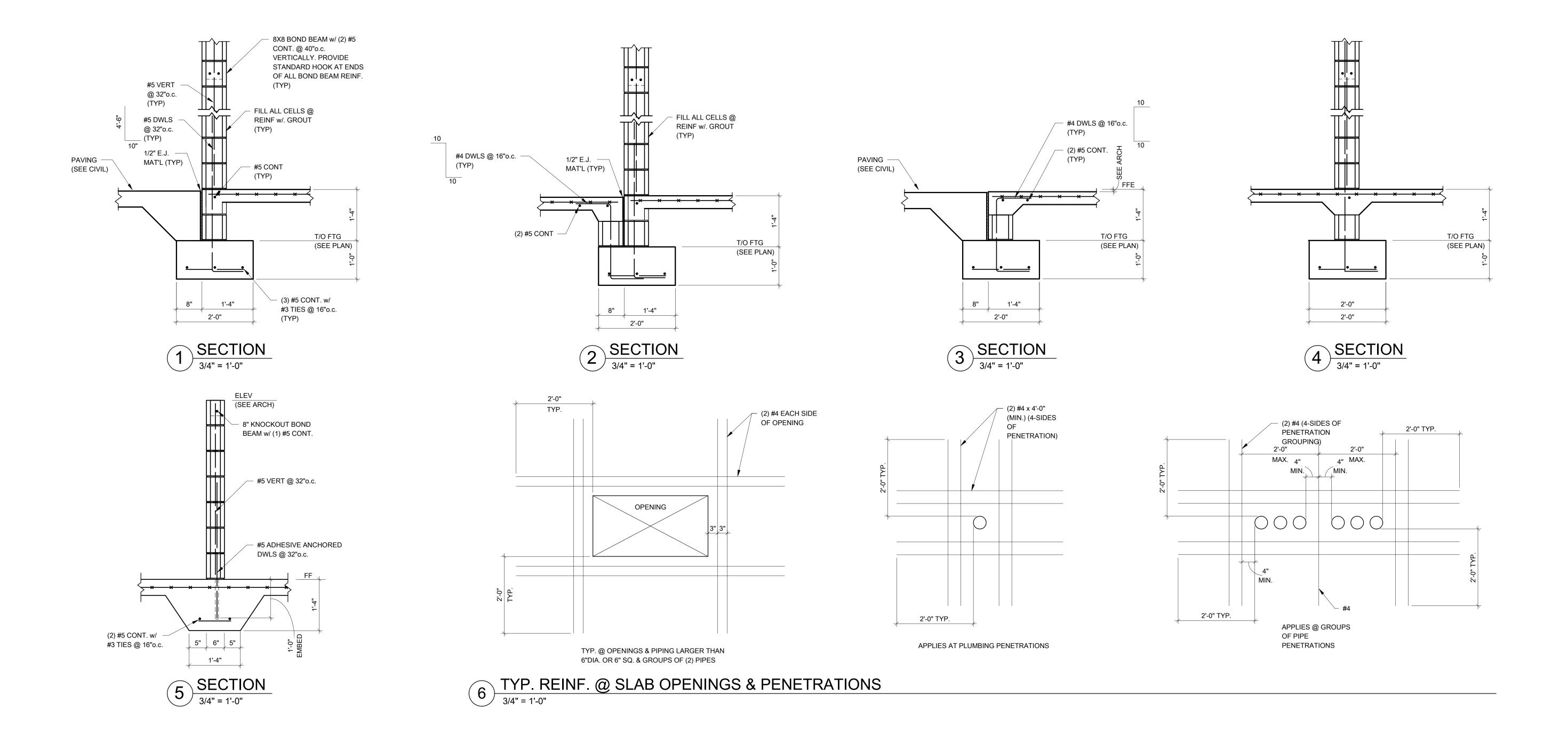
GABLE TRUSS -GABLE TRUSS 2X6 OUTRIGGERS @ 24"o.c. 2X6 OUTRIGGERS @ 24"o.c.

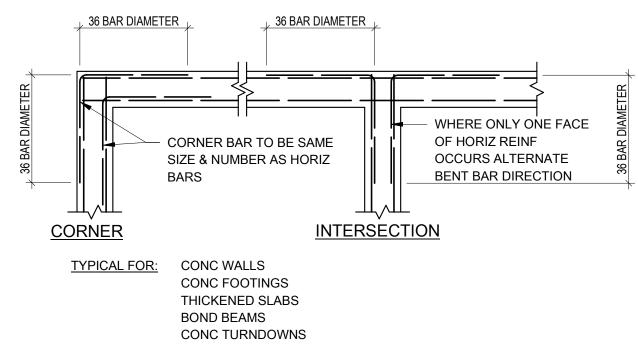
FOUNDATION PLAN - RESTROOM AND OFFICE

ROOF FRAMING PLAN - RESTROOM AND OFFICE 1/8" = 1'-0"

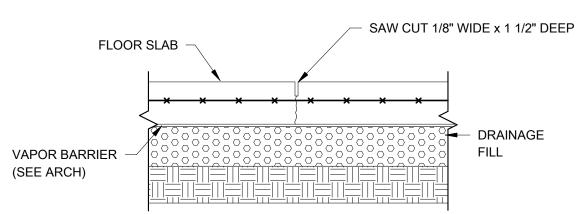
S401

* * * No. 15390





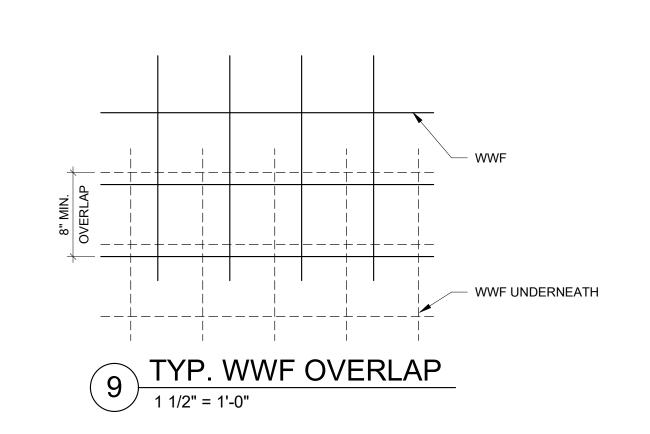
TYP. CORNER BAR DETAIL



CONTR:
IF SAW JOINTS ARE USED, CONTRACTOR IS RESPONSIBLE FOR JOINTS CRACKING AS SHOWN ON PLAN AND DETAIL. SAWING JOINTS SHALL BEGIN AS SOON AS THE SURFACE IS FIRM ENOUGH SO THAT IT WILL NOT BE TORN OR DAMAGED BY THE BLADE. SLABS MUST BE SAWN ON SAME DAY SLAB IS POURED. DO NOT ALLOW SLAB TO CURE OVERNIGHT BEFORE SAWING.

8 CONTROL JOINT DETAIL

3/4" = 1'-0"





Commission Number 2301 S201 AUGUST 8, 2023

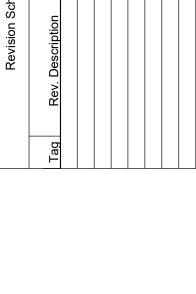
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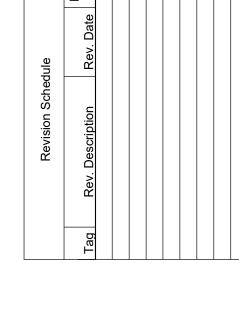
PARKER PARK

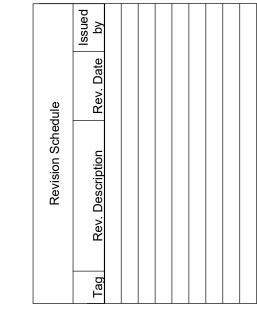
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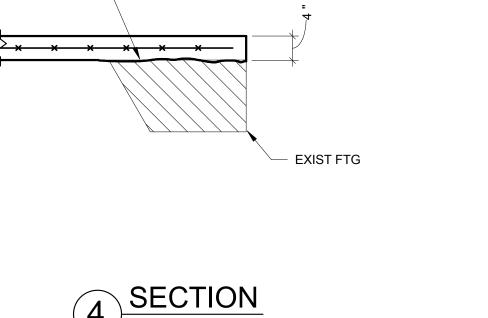
PARKER PARK COMMUNITY CENTE ADDITION

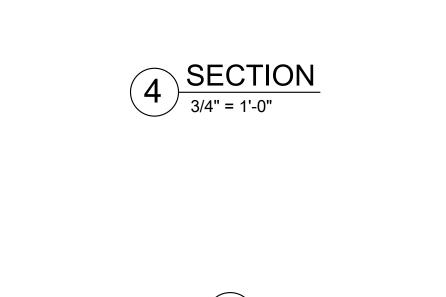
CITY OF JONESBOR





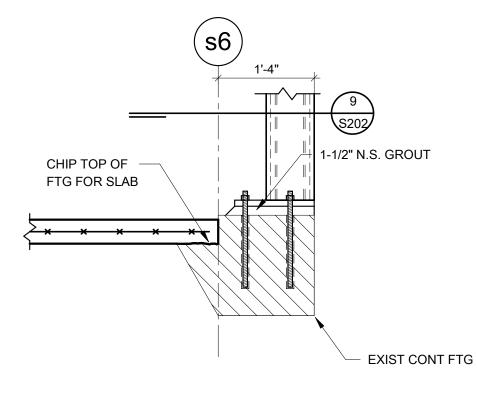




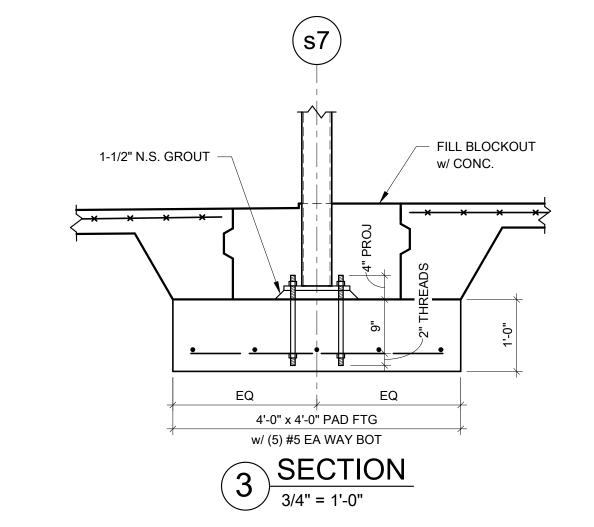


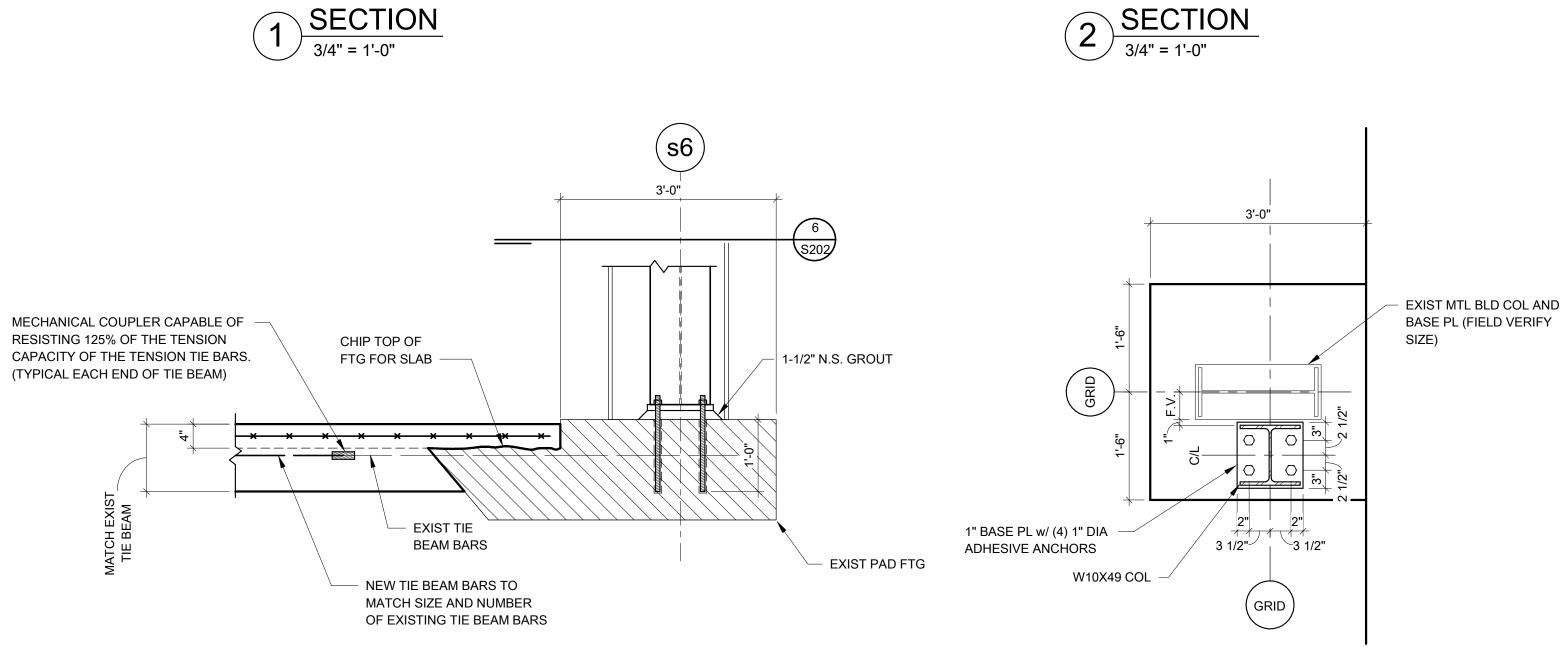
CHIP TOP OF —

FTG FOR SLAB









(s7)

1'-0"

1'-0"

#5 CONT (TYP)

(2) # 5 CONT

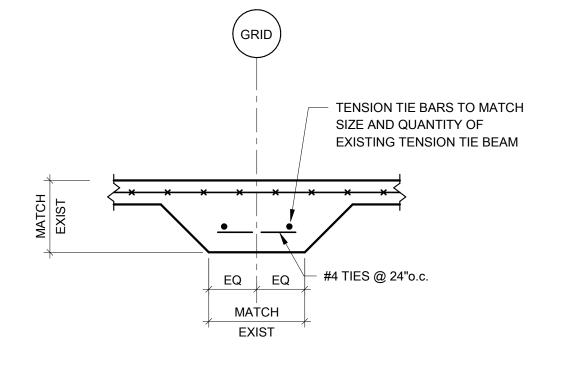
2'-0"

- #4 DWLS @ 24"o.c.

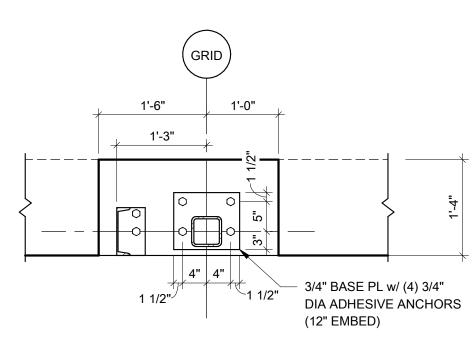
EXIST FTG

— EXIST SLAB









5 SECTION 3/4" = 1'-0"

(s4)

* * * *

1'-0"

1'-0"

3'-9"

- #5 CONT

(TYP)

(TYP)

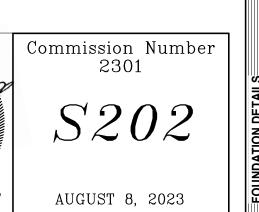
2'-0"

#3x1'-4" ADHESIVE

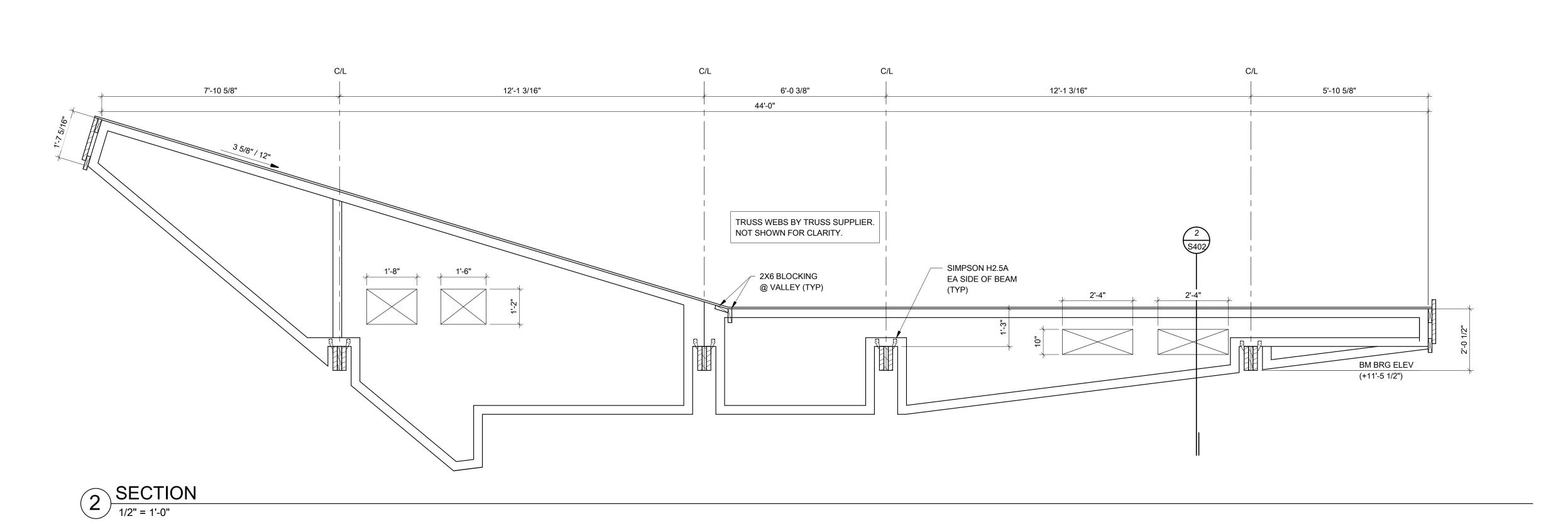
ANCHORED DWLS @ 24"o.c. (8" EMBED)

EXIST SLAB





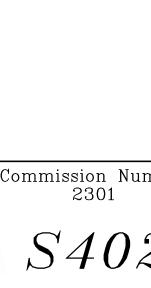
1 SECTION 1/2" = 1'-0"





CENTER

PARKER PARK



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JOB# 23-230

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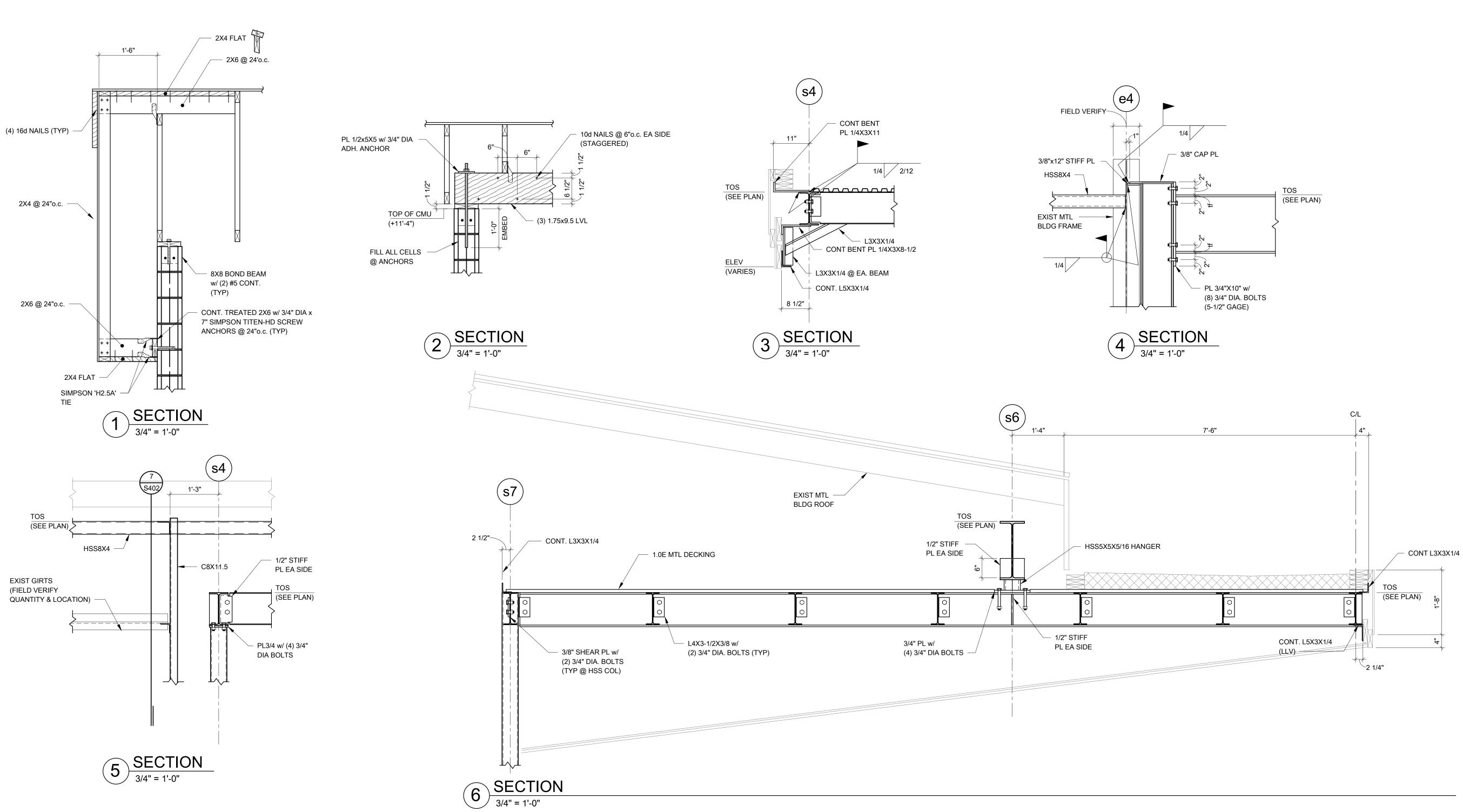
CONSULTANTS,

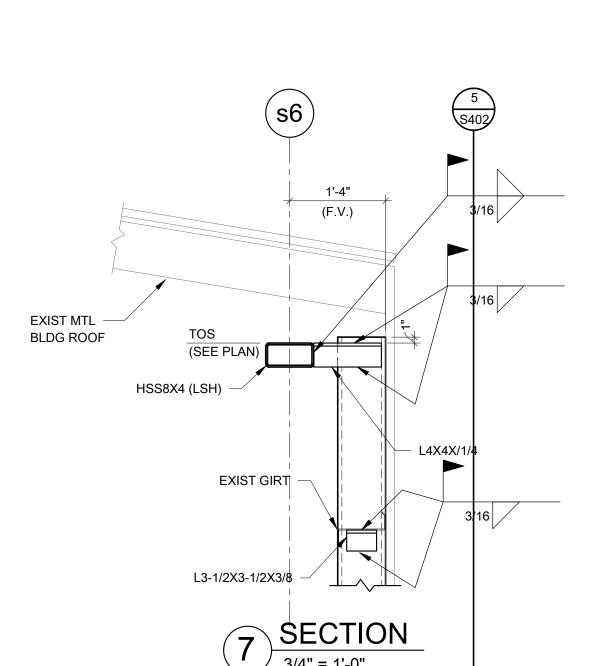
INC. **No. 26**

Commission Number 2301 S402



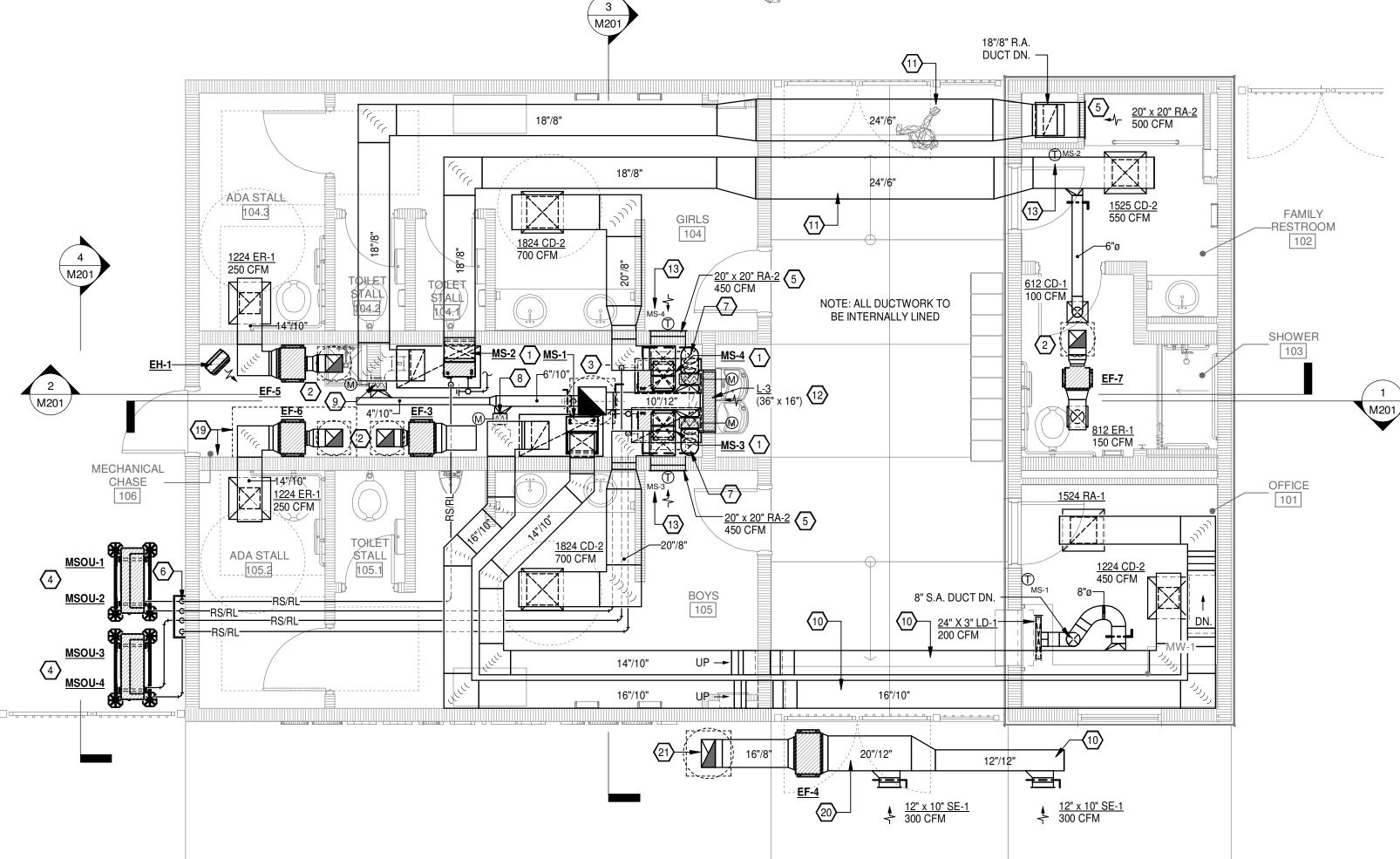
AUGUST 8, 2023



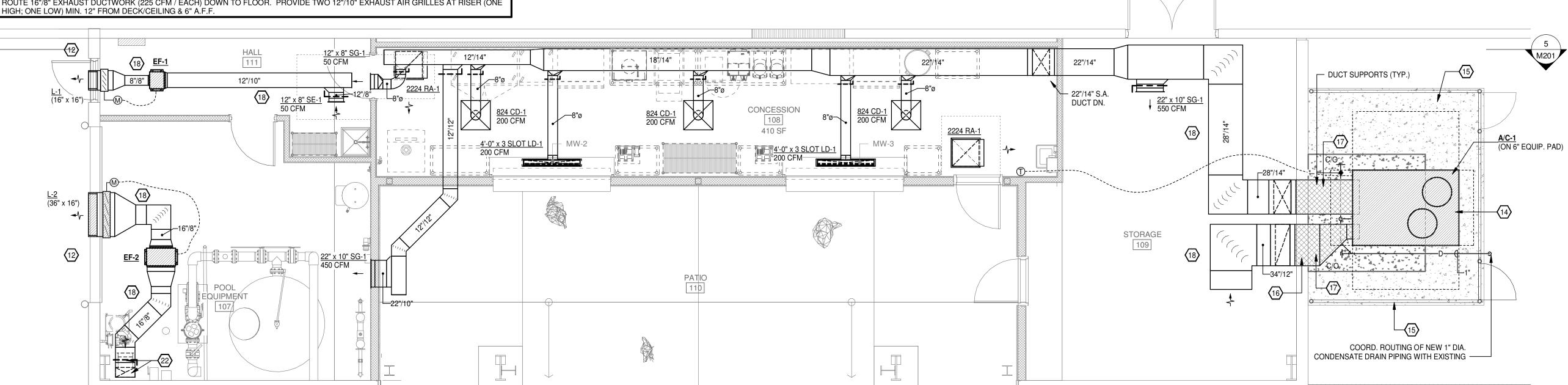


HVAC KEYED NOTES - M101

- MINI SPLIT AIR HANDLER (MS-1, 2, 3, & 4) ON RETURN AIR PLENUM. CONTRACTOR TO COORD. LOCATION OF UNITS WITHIN MECHANICAL ROOM AND DUCT ROUTING TO ABIDE BY ALL MANUF. SERVICE CLEARANCES / INSTALLATION INSTRUCTIONS AND LOCAL REGULATIONS. ROUTE FULL SIZE CONDENSATE DRAIN PIPING FROM AIR HANDLER TO NEAREST FLOOR DRAIN.
- ROUTE 8" / 8" EXHAUST AIR DUCT UP TO GRAVITY VENTILATOR (GV-1, 2, 3, & 4) ON ROOF.
- ROUTE 16" / 16" OUTSIDE AIR DUCT UP TO GRAVITY VENTILATOR (GV-5) ON ROOF.
- MINI SPLIT OUTDOOR UNIT (MSOU-1, 2, 3, & 4) ON FACTORY MAUFACTURED SUPPORT STAND. CONTRACTOR TO FOLLOW ALL MANUF. INSTALLATIONS INSTRUCTIONS AND COORD. LOCATION OF OUTDOOR UNITS WITH ARCHITECT. COORD. WITH ELECTRICAL CONTRACTOR FOR LOCATION OF UNIT'S DISCONNECT AND MAINTAIN ALL SERVICE CLEARANCES.
- RETURN AIR DEVICE MOUNTED LOW IN WALL. COORDINATE HEIGHT OF AIR DEVICE IN WALL WITH ARCHITECT.
- ROUTE REFRIGERANT PIPING (RS/RL) FROM OUTDOOR UNIT (MSOU-1, 2, 3, 4) UP THROUGH SOFFIT AND CONTINUE ROUTING IN ATTIC SPACE TO INDOOR AIR HANDLER (MS-1, 2, 3, & 4). SECURE PIPING TIGHT TO WALL AND COVER WITH SHEET METAL SHROUD PAINTED TO MATCH EXTERIOR. CONTRACTOR TO PLUG, SEAL, AND INSULATE ALL PIPING PENTRATIONS
- ROUTE 10" DIA. OUTSIDE AIR DUCTS DOWN TO RETURN AIR PLENUM OF INDOOR AIR HANDLER (MS-3 & MS-4). CONTRACTOR TO PROVIDE MOTORIZED DAMPERS AT EACH 10" TAKE-OFF AND INTERLOCK WITH AIR HANDLER. COORDINATE ROUTING OF DUCT WITH INTAKE LOUVER L-3 AND MOTORIZED DAMPER IN WALL.
- ROUTE 6" DIA. OUTSIDE AIR DUCT TO RETRUN AIR DOWN TO RETURN AIR PLENUM. CONTRACTOR TO PROVIDE MOTORIZED DAMPER AT TAKE-OFF AND INTERLOCK WITH AIR HANDELR (MS-1)
- ROUTE 8" DIA. OUTSIDE AIR DUCT TO RETRUN AIR DOWN TO RETURN AIR PLENUM. CONTRACTOR TO PROVIDE MOTORIZED DAMPER AT TAKE-OFF AND INTERLOCK WITH AIR HANDELR (MS-2)
- ROUTE DUCTWORK TIGHT TO STRUCTURE IN THIS AREA TO MAXIMIZE HEAD ROOM IN ATTIC SPACE.
- COORD. ROUTING OF DUCTWORK BETWEEN JOIST IN THIS AREA.
- CONTRACTOR TO COORD. LOCATION AND HEIGHT OF LOUVER IN WALL WITH ARCHITECT.
- CONTRACTOR TO PROVIDE CLEAR LOCKABLE THERMOSTAT COVER.
- NEW PACKAGE UNIT (A/C-1) ON EXISTING EQUIPMENT PAD. CONTRACTOR TO COORD. LOCATION OF WITH EXISTING EQUIPMENT PAD AND ALL DUCTWORK TO ABIDE BY ALL MANUF. SERVICE CLEARANCES / INSTALLATION INSTRUCTIONS AND LOCAL REGULATIONS.
- CONTRACTOR TO EXTEND EXISTING EQUIPMENT PAD AND CHAIN LINK ENCLOSURE TO ACCOMMODATE NEW PACKAGE UNIT'S (A/C-1)
- CONTRACTOR TO ROUTE NEW DUCTWORK THROUGH EXISTING WALL PENETRATIONS. COORD. BOTH SIZE AND LOCATION OF EXIST. OPENINGS; ENLARGE AS REQUIRED. COORD. BOTH SIZE AND LOCATION OF DUCT PENETRATIONS WITH ARCHITECT. HOLD DUCTWORK TIGHT TO STRUCTURE.
- EXPOSED DUCT SHALL BE INSULATED AND FINISHED WITH ALUMAGUARD WEATHERPROOF JACKET. SLOPE TOP OF DUCT AT ALL HORIZONTAL RUNS TO PREVENT WATER PONDING. SEE ARCHITECT FOR COLOR OF OUTER JACKET.
- EXPOSED DUCTWORK TO BE INTERNALLY LINED WITH PAINT GRIP FINISH. PAINT EXPOSED DUCTWORK AND AIR DEVICES AS
- MECHANICAL CONTRACTOR TO COORD. ROUTING OF DUCTWORK ABOVE ELECTRICAL PANEL WITH ELECTRICAL CONTRACTOR CONTRACTOR TO PROVIDE DRIP PAN BENEATH FAN AND DUCTWORK. ROUTE DRIP PAN DRAIN TO NEAREST FLOOR DRAIN.
- EXHAUST FAN (EF-4) AND ALL ASSOCIATED DUCTWORK AND AIR DEVICES LOCATED IN ATTIC SPACE. COORD. ROUTING OF DUCTWORK WITH ELECTRICAL CONTRACTOR AND LIGHTING FIXTURES IN AREA.
- ROUTE 16" / 8" EXHAUST AIR DUCT UP TO 16" GRAVITY VENTILATOR ABOVE.
- ROUTE 16"/8" EXHAUST DUCTWORK (225 CFM / EACH) DOWN TO FLOOR. PROVIDE TWO 12"/10" EXHAUST AIR GRILLES AT RISER (ONE



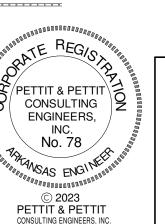
RESTROOM AND OFFICE FLOOR PLAN - HVAC

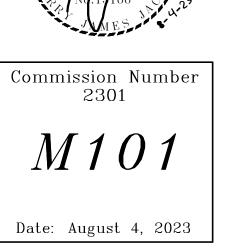


SCALE: 1/4" = 1'-0"

NORTH NORTH









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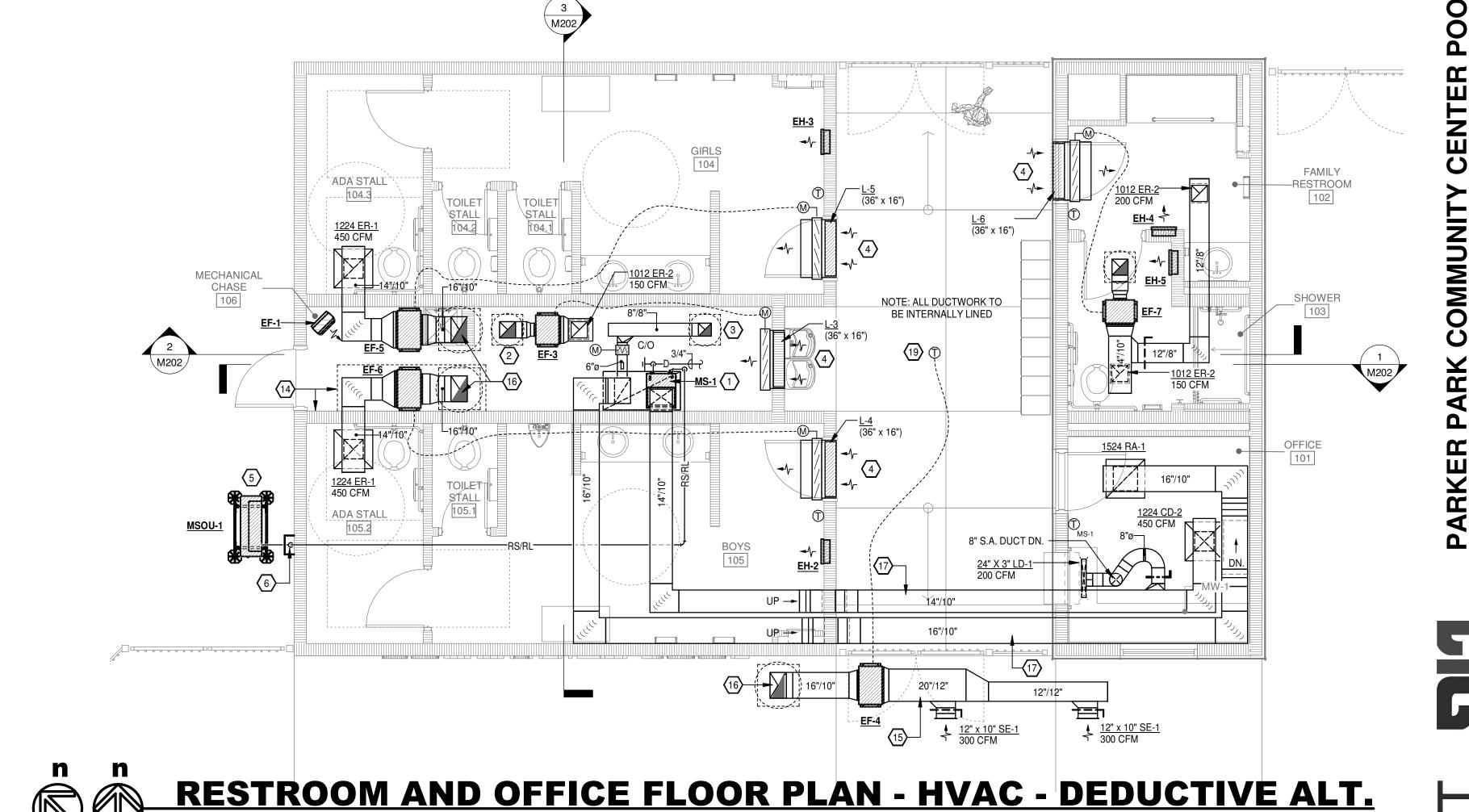
M102Date: August 4, 2023

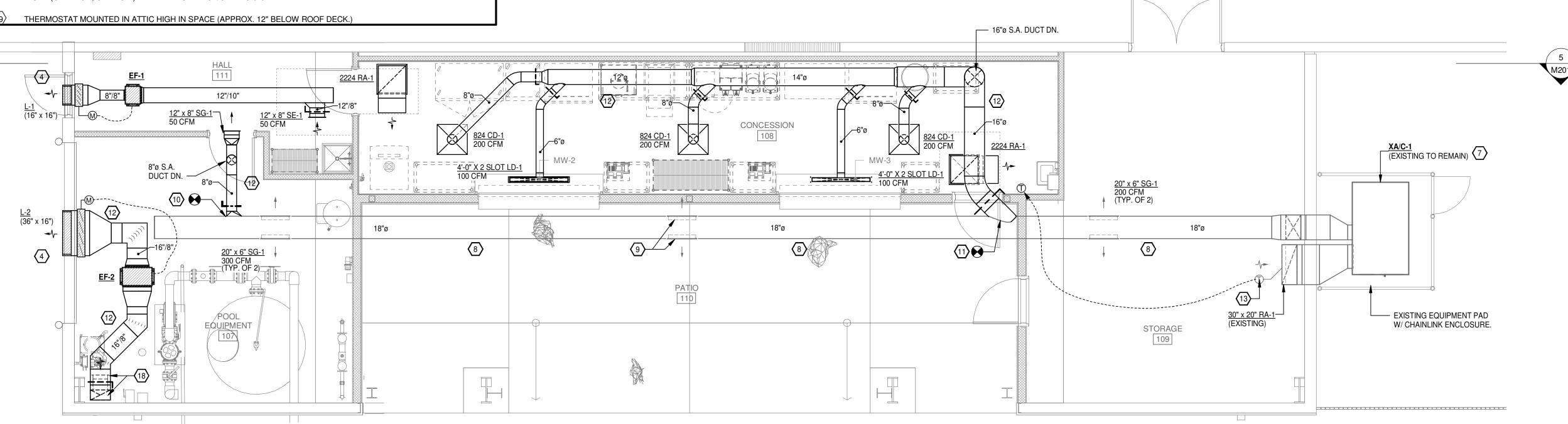
HVAC GENERAL NOTES

- ALL LIGHTER SOLID LINES REPRESENT PIPING, DUCTWORK, EQUIPMENT, ETC. TO
- ALL DARKER SOLID LINES REPRESENT NEW PIPING, DUCTWORK, EQUIPMENT, ETC.
- FIELD VERIFY EXACT SIZE AND LOCATION OF ALL EXISTING ITEMS SHOWN ON THIS PLAN THAT ARE TO BE CONNECTED TO.

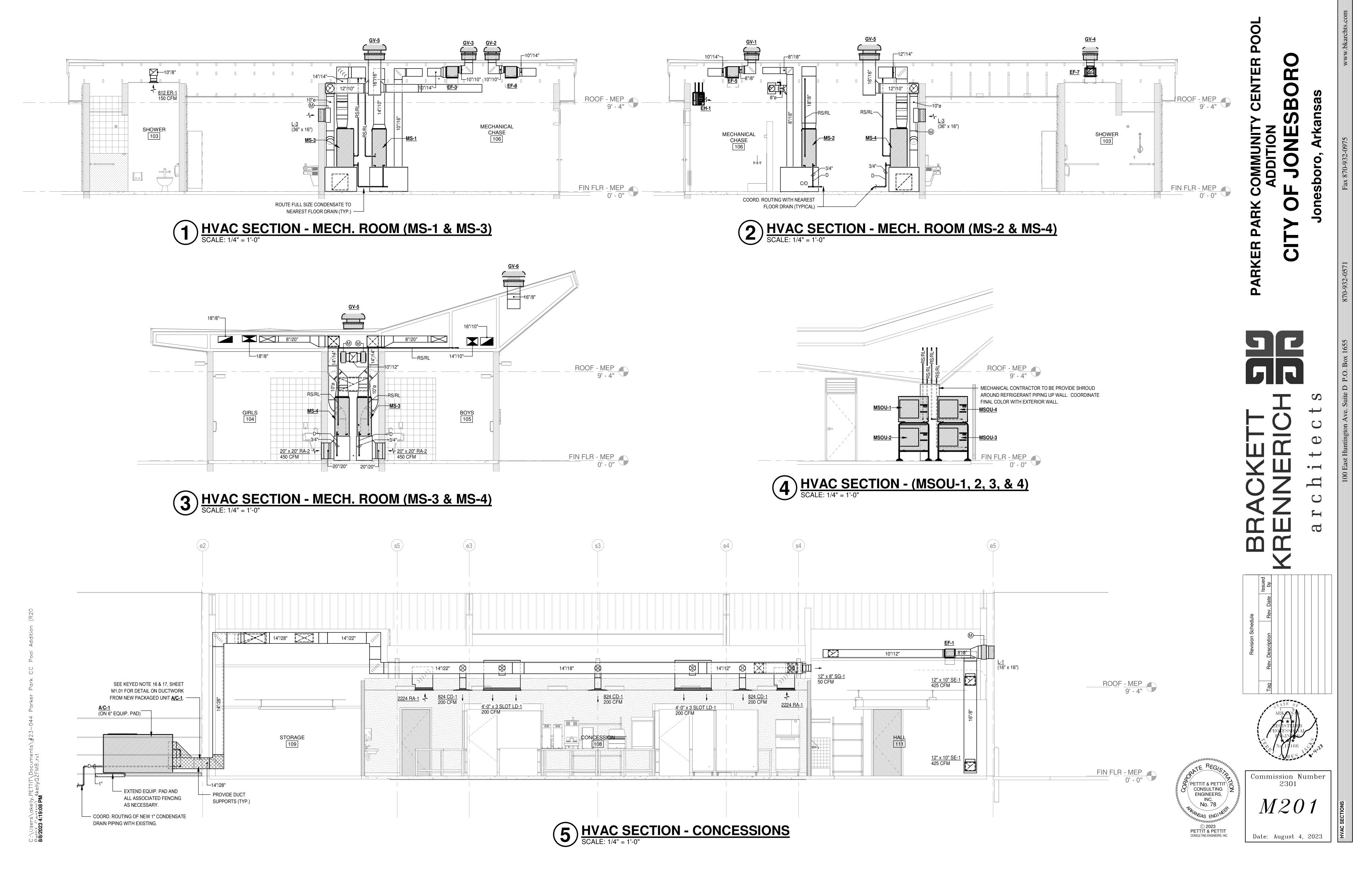
HVAC KEYED NOTES - M102

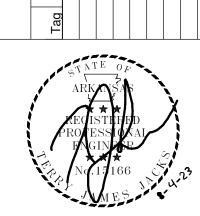
- MINI SPLIT AIR HANDLER (MS-1) ON RETURN AIR PLENUM. CONTRACTOR TO COORD. LOCATION OF UNIT WITHIN MECHANICAL ROOM AND DUCT ROUTING TO ABIDE BY ALL MANUF. SERVICE CLEARANCES / INSTALLATION INSTRUCTIONS AND LOCAL REGULATIONS. ROUTE FULL SIZE CONDENSATE DRAIN PIPING FROM AIR HANDLER TO NEAREST FLOOR DRAIN.
- ROUTE 10" / 10" EXHAUST AIR DUCT UP TO GRAVITY VENTILATOR (GV-2) ON ROOF.
- ROUTE 8" / 8" OUTSIDE AIR DUCT UP TO GRAVITY VENTILATOR (GV-5) ON ROOF.
- CONTRACTOR TO COORD. LOCATION AND HEIGHT OF LOUVER IN WALL WITH ARCHITECT.
- MINI SPLIT OUTDOOR UNIT (MSOU-1) ON FACTORY MAUFACTURED SUPPORT STAND. CONTRACTOR TO FOLLOW ALL MANUF. INSTALLATIONS INSTRUCTIONS AND COORD. LOCATION OF OUTDOOR UNITS WITH ARCHITECT. COORD. WITH ELECTRICAL CONTRACTOR FOR LOCATION OF UNIT'S DISCONNECT AND MAINTAIN ALL SERVICE CLEARANCES.
- ROUTE REFRIGERANT PIPING (RS/RL) FROM OUTDOOR UNIT (MSOU-1) UP THROUGH SOFFIT AND CONTINUE ROUTING IN ATTIC SPACE TO INDOOR AIR HANDLER (MS-1). SECURE PIPING TIGHT TO WALL AND COVER WITH SHEET METAL SHROUD PAINTED TO MATCH EXTERIOR. CONTRACTOR TO PLUG, SEAL, AND INSULATE ALL PIPING PENETRATIONS.
- EXISTING PACKAGED UNIT (XA/C-1) TO REMAIN.
- EXISTING DUCTWORK TO REMAIN.
- EXISTING AIR DEVICE TO BE REMOVED. CAP, SEAL, AND INSULATE VOID LEFT BEHIND.
- ROUTE NEW 8" DIA. SUPPLY AIR DUCT TO NEW AIR DEVICE IN WALL.
- ROUTE NEW 16" DIA. SPIRAL DUCT FROM EXISTING 18" DIA. DOWN TO PICK UP NEW AIR DEVICE OVER CONCESSIONS.
- EXPOSED DUCTWORK TO BE INTERNALLY LINED WITH PAINT GRIP FINISH. PAINT EXPOSED DUCTWORK AND AIR DEVICES AS DIRECTED BY ARCHITECT.
- THERMOSTAT FOR EXISTING PACKAGED UNIT TO BE REMOVED AND RELOCATED TO CONCESSIONS.
- MECHANICAL CONTRACTOR TO COORD. ROUTING OF DUCTWORK ABOVE ELECTRICAL PANEL WITH ELECTRICAL CONTRACTOR. CONTRACTOR TO PROVIDE DRIP PAN BENEATH FAN AND DUCTWORK. ROUTE DRIP PAN DRAIN TO
- EXHAUST FAN (EF-4) AND ALL ASSOCIATED DUCTWORK AND AIR DEVICES LOCATED IN ATTIC SPACE. COORD. ROUTING OF DUCTWORK WITH ELECTRICAL CONTRACTOR AND LIGHTING FIXTURES IN AREA.
- ROUTE 16" / 10" EXHAUST AIR DUCT UP TO 16" GRAVITY VENTILATOR ABOVE.
- ROUTE DUCTWORK TIGHT TO STRUCTURE IN THIS AREA TO MAXIMIZE HEAD ROOM IN ATTIC SPACE
- THERMOSTAT MOUNTED IN ATTIC HIGH IN SPACE (APPROX. 12" BELOW ROOF DECK.

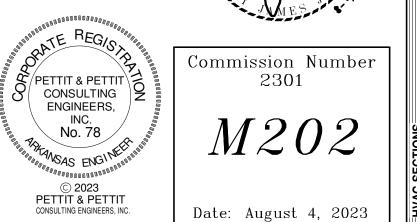




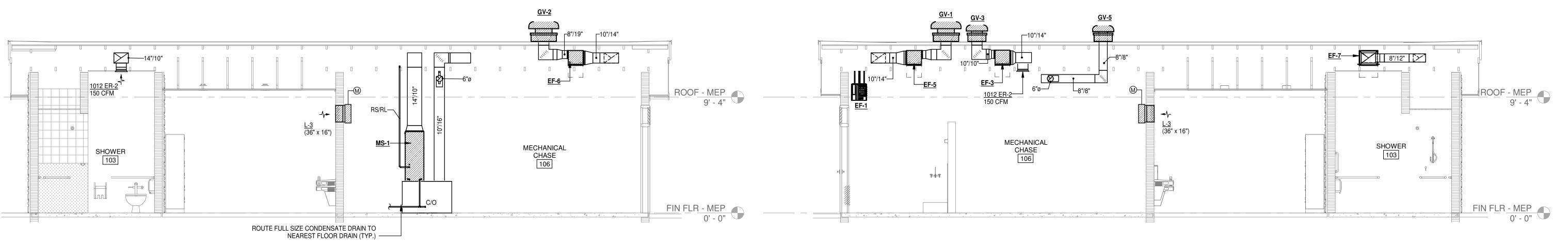
TRUE BUILDING NORTH







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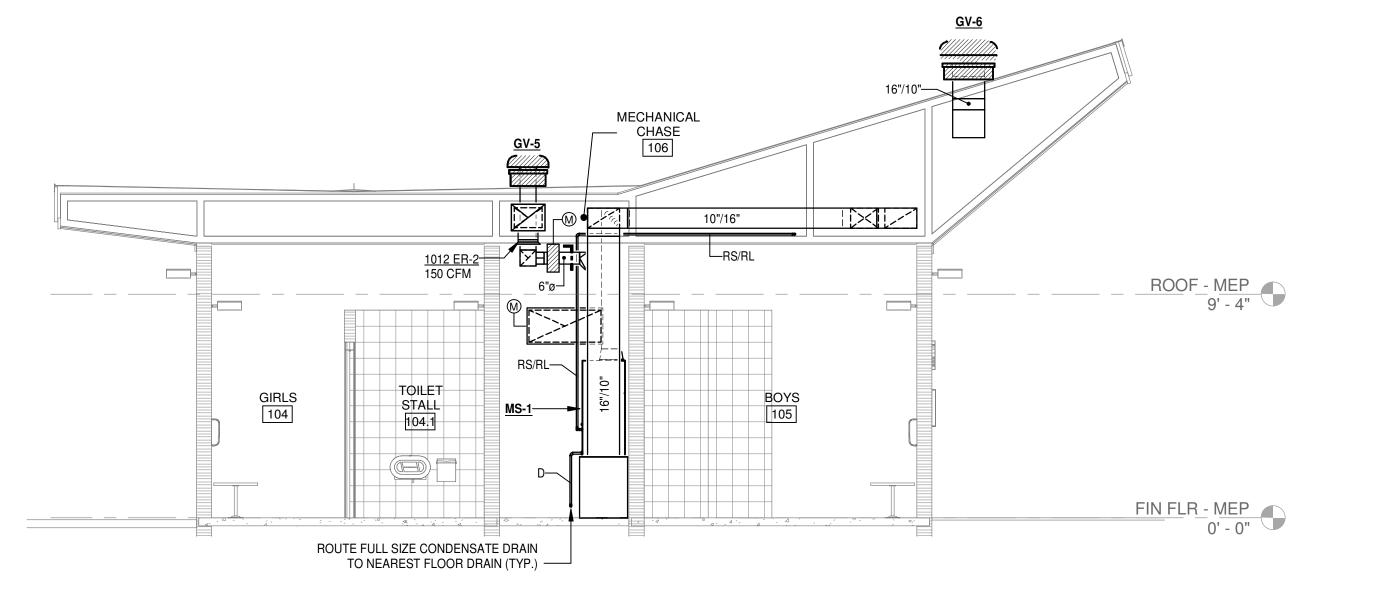


1 HVAC SECTION - MECH. ROOM (MS-1) - DEDUCTIVE ALT.

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

PVAC SECTION - MECH. ROOM - DEDUCTIVE ALT.

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



3 HVAC SECTION - MECH. ROOM (MS-1) - DEDUCTIVE ALT. SCALE: 1/4" = 1'-0"

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- VOLUME DAMPER W/ LOCKING QUADRANT PROVIDE STAND-OFF DAMPER BRACKET ON EXT. INSULATED DUCTS SMMUNITY SDDITION SEE PLANS FOR DIFFUSER RUN-OUT DUCT SIZES SEE SPECS AND NOTES FOR INSULATION REQUIREMENTS GALVANIZED HIGH EFFICIENCY TAKEOFF W/DAMPER AS MANUFACTURED BY SHEET METAL CONNECTORS, INC NOTE: SPIN-IN FITTINGS WITH 0 1-800-328-1966.

NEOPRENE GASKET

BRANCH DUCT TAKE-OFF DETAIL
N.T.S.

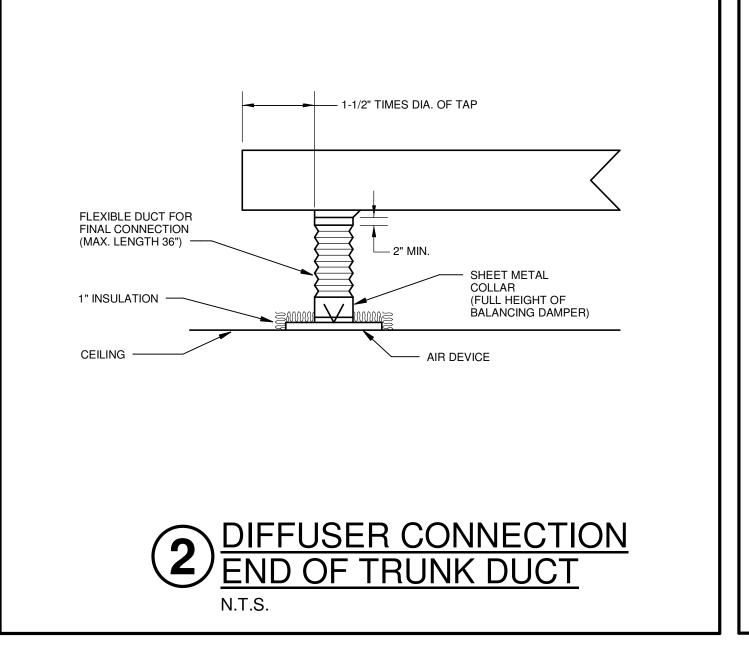
— SIDE OF

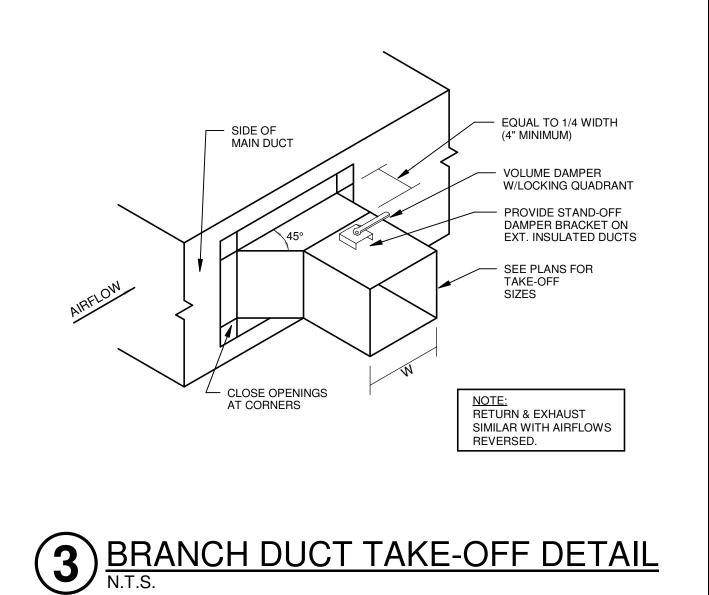
SCOOPS ARE NOT

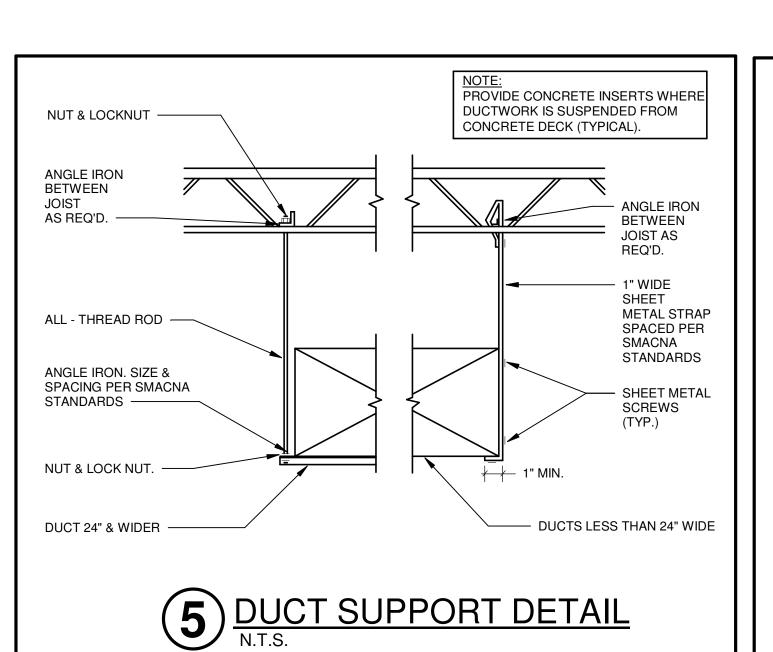
ACCEPTABLE

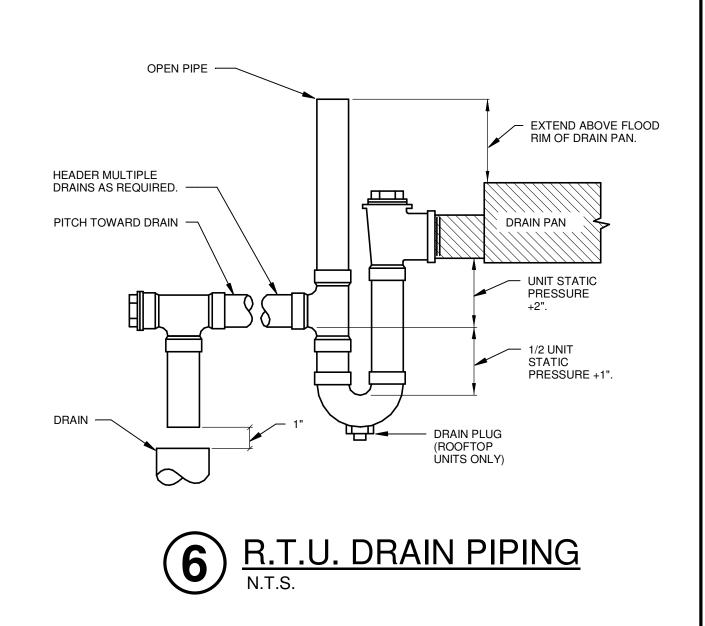
MAIN DUCT

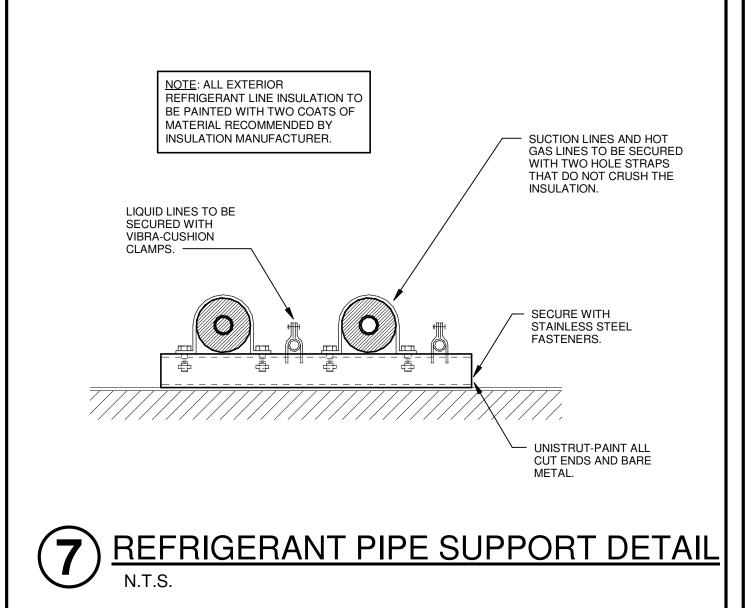
NOTE: PROVIDE SUPPORT FOR SECURE ROUND DUCT JOINTS BRANCH DUCT AS REQ'D WITH SHEET METAL SCREWS TO PREVENT KINKING OF AT 6" O.C. (TYP. FOR EACH FLEXIBLE DUCT. JOINT IN BRANCH DUCT) - ALTERNATE LOCATION FOR SHEET METAL ELBOW FLEX. DUCT CONNECTOR REQUIRED AT EACH DROP FLEXIBLE DUCT FOR FINAL CONNECTION (MAX. LENGTH 36") -PROVIDE SHEET METAL COLLAR FULL HEIGHT OF AIR DEVICE BALANCING 1" INSULATION ----CEILING -1) DIFFUSER CONNECTION DETAIL
N.T.S.

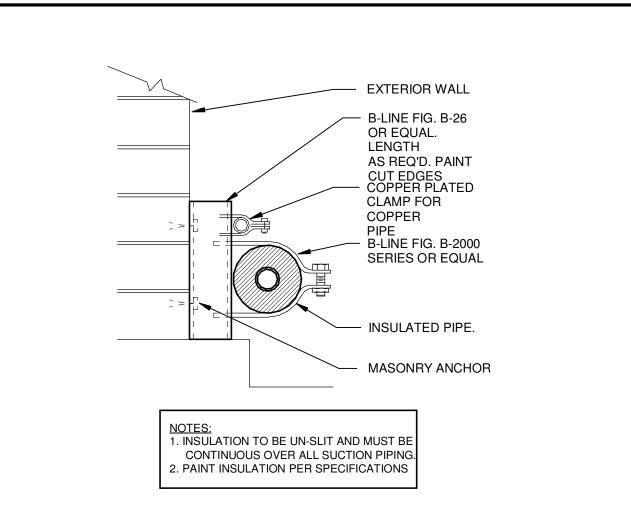




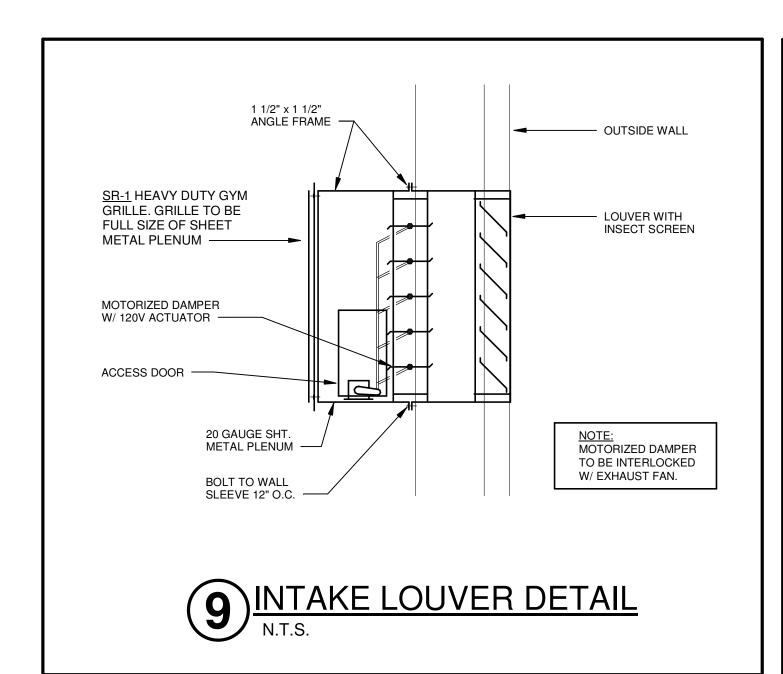


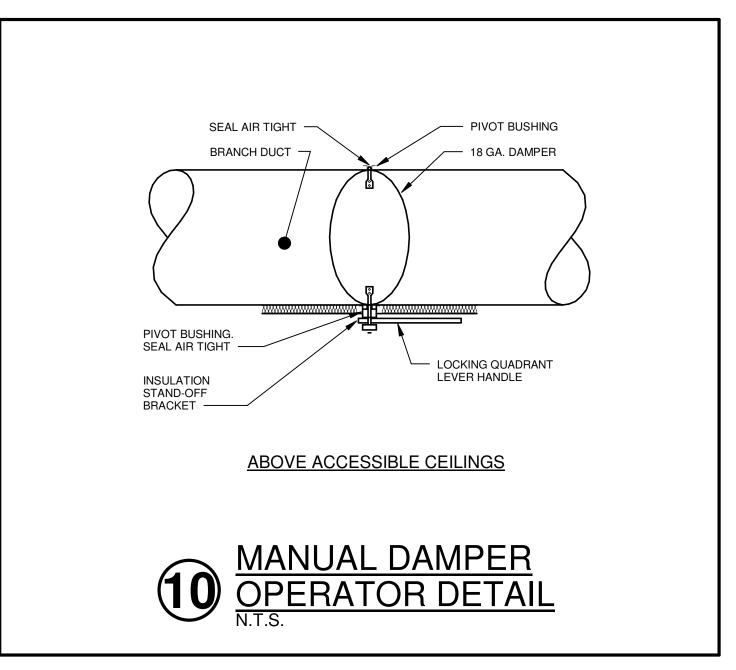


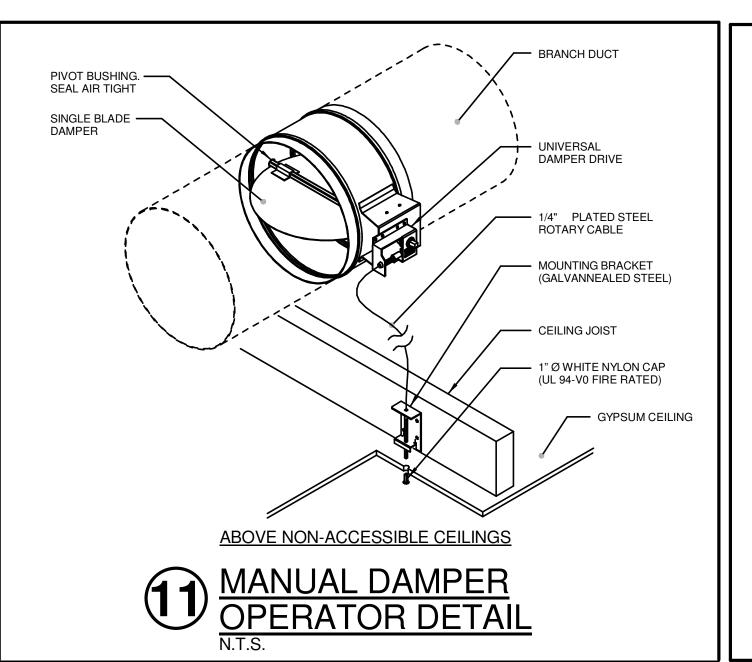


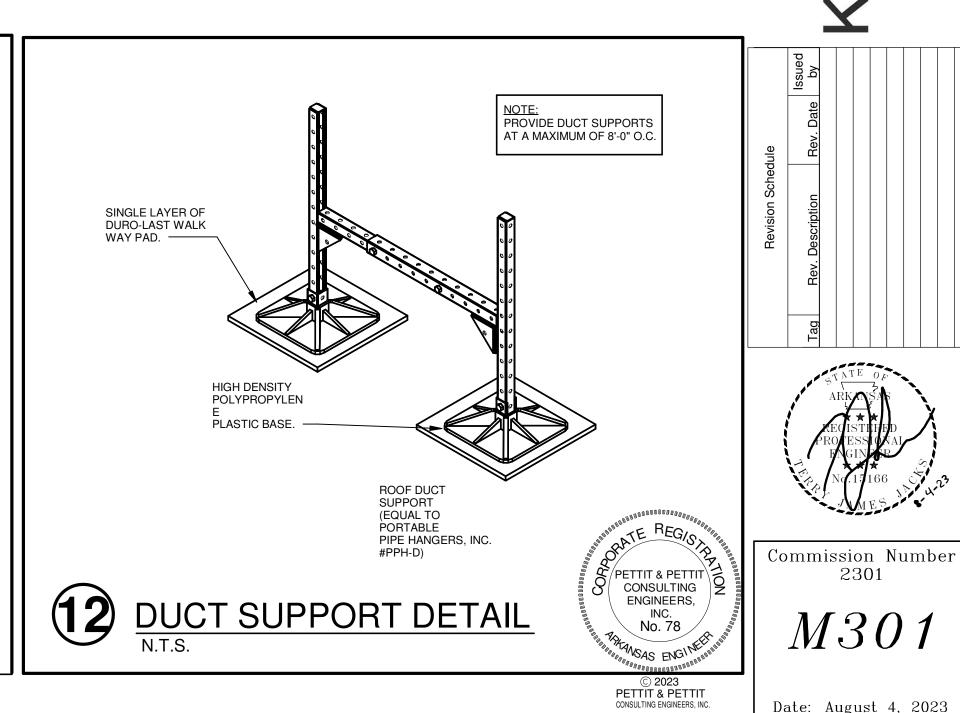


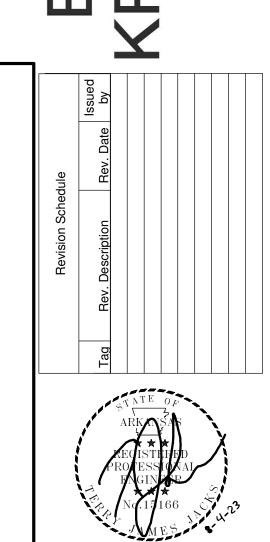








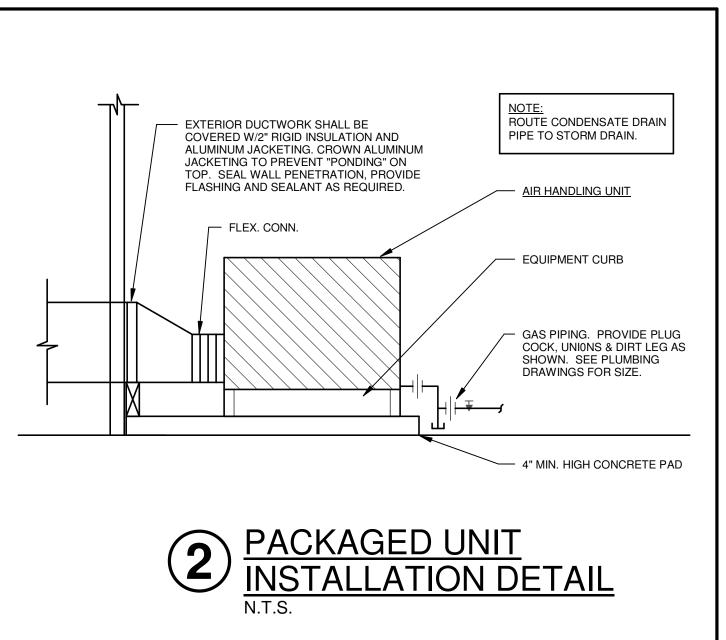


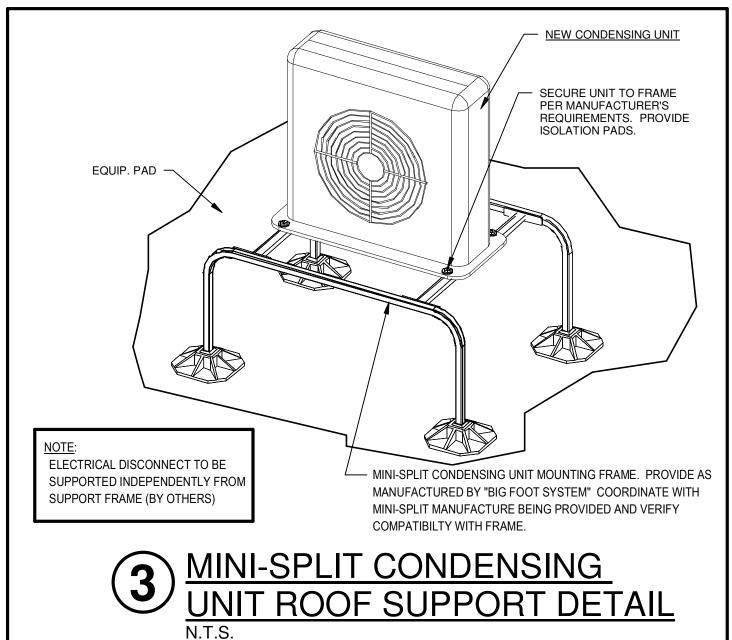


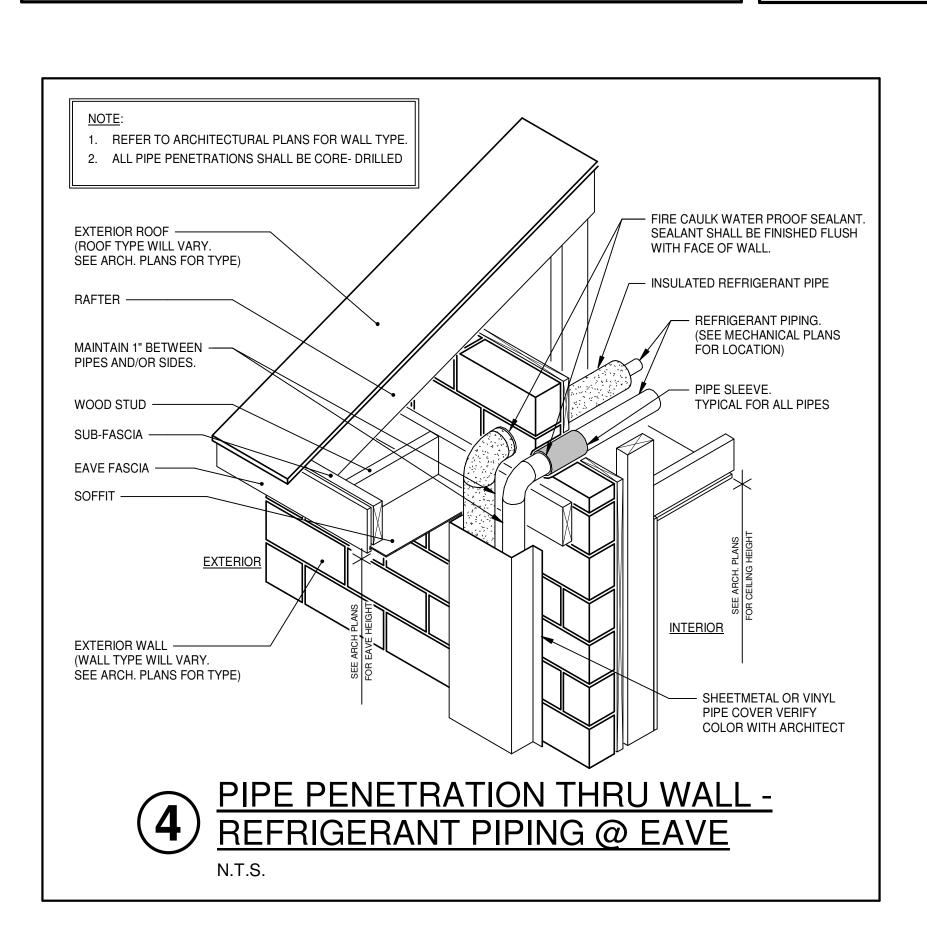
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	MINI-S	PLIT II	NDOOI	R A/C	UN	IT S	CHEDULE													
DESIG	MFR/MDL	TYPE	LOCATION	CFM	OSA	ESP	DIMENSIONS	WEIGHT		OOLING		<u> </u>	HEATING		REFRIGER	RANT PIPE SIZE		LECTRIC	CAL DATA	REMARKS
DESIG				· · (H M F) · · ·	S OSA /	· LĢF			CAPACITY	INDOOR	OUTDOOR	CAPACITY	INDOOR	OUTDOOR	GAS	LIQUID	MCA	MOCP	VOLT/PHASE	
MS-1	LG / LV181HV4	SINGLE ZONE VERTICAL AIR HANDLER	101 - OFFICE	640 - HIGH 580 - MED. 480 - LOW	25		48.39" X 18" X 18.25"	LBS.	24,000 BTU/H 18,000 BTU/H 7,200 BTU/H	80° d.b. 67° w.b.	95° d.b. 75° w.b.	24,000 BTU/H 20,000 BTU/H 8,000 BTU/H	70° d.b. 60° w.b.	47° d.b. 43° w.b.	5/8"	3/8"			208v / 1ø	(SEE SPECIFICATIONS)
MS-2	LG / LV1818HV4	SINGLE ZONE VERTICAL AIR HANDLER	102 - FAMILY RR	640 - HIGH 580 - MED. 480 - LOW	100		48.39" X 18" X 18.25"	LBS.	24,000 BTU/H 18,000 BTU/H 7,200 BTU/H	80° d.b. 67° w.b.	95° d.b. 75° w.b.	24,000 BTU/H 20,000 BTU/H 8,000 BTU/H	70° d.b. 60° w.b.	47° d.b. 43° w.b.	5/8"	3/8"			208v / 1ø	(SEE SPECIFICATIONS)
MS-3	LG / LV241HV4	SINGLE ZONE VERTICAL AIR HANDLER	105 - BOYS	710 - HIGH 640 - MED. 480 - LOW	250		48.39" X 18" X 18.25"	LBS.	30,000 BTU/H 24,000 BTU/H 9,600 BTU/H	80° d.b. 67° w.b.	95° d.b. 75° w.b.	30,000 BTU/H 27,000 BTU/H 10,800 BTU/H	70° d.b. 60° w.b.	47° d.b. 43° w.b.	5/8''	3/8"			208v / 1ø	(SEE SPECIFICATIONS)
MS-4	LG / LV241HV4	SINGLE ZONE VERTICAL AIR HANDLER	104 - GIRLS	710 - HIGH 640 - MED. 480 - LOW	250		48.39" X 18" X 18.25"	LBS.	30,000 BTU/H 24,000 BTU/H 9,600 BTU/H	80° d.b. 67° w.b.	95° d.b. 75° w.b.	30,000 BTU/H 27,000 BTU/H 10,800 BTU/H	70° d.b. 60° w.b.	47° d.b. 43° w.b.	5/8"	3/8"			208v / 1ø	(SEE SPECIFICATIONS)

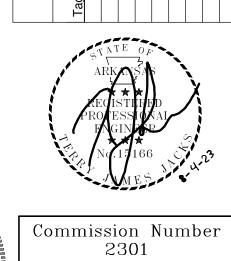
N	/INI-SPL	IT C	ONDE	NSING U	NIT S	CHEDU	LE														
DESIG.	MFR/MDL	TYPE	SERVES	DIMENSIONS	WEIGHT	(*(``),(*\),(*(),(*(),(*(),(*(),(*(),(*(),(*(OLING			HEATING	· · · · · · · · · · · · · · · · · · ·	Jan San San San San San San San San San S	N DATA			OMPRESSOR D	PATA CONTRACTOR	- () - /_ < \	ELECTR	ICAL DATA	REMARKS
DESIG.		, , , ,-, ,-,	SERVES!		WEIGHT	CAPACITY	INDOOR	OUTDOOR	CAPACITY	INDOOR	OUTDOOR	TYPE / QTY	CFM	, () FLA ;	TYPE	COOLKW	HEATER KW	MCA	MOCP	VOLT/PHASE	NEWARKS
MSOU-1	LG / LUU189HV	AIR COOLED	MS-1	37.4" X 32.3" X 15.3"	LBS.	24,000 BTU/H 18,000 BTU/H 7,200 BTU/H	80° d.b. 67° w.b.	95° d.b. 75° w.b.	24,000 BTU/H 20,000 BTU/H 8,000 BTU/H	70° d.b. 60° w.b.	47° d.b. 43° w.b.	PROP / 1	2,048	1.6 A	INVERTER 25° - 100°	3.25 - HIGH 1.46 - MED. 0.45 - LOW	2.37 - HIGH 1.73 - MED. 0.5 - LOW	20	30	208 V/ 1ø	(SEE SPECIFICATIONS)
MSOU-2	LG / LUU189HV	AIR COOLED	MS-2	37.4" X 32.3" X 15.3"	LBS.	24,000 BTU/H 18,000 BTU/H 7,200 BTU/H	80° d.b. 67° w.b.	95° d.b. 75° w.b.	24,000 BTU/H 20,000 BTU/H 8,000 BTU/H	70° d.b. 60° w.b.	47° d.b. 43° w.b.	PROP / 1	2,048	1.6 A	INVERTER 25° - 100°	3.25 - HIGH 1.46 - MED. 0.45 - LOW	2.37 - HIGH 1.73 - MED. 0.5 - LOW	20	30	208 V/ 1ø	(SEE SPECIFICATIONS)
MSOU-3	LG / LUU249HV	AIR COOLED	MS-3	37.4" X 32.3" X 15.3"	LBS.	30,000 BTU/H 24,000 BTU/H 9,600 BTU/H	80° d.b. 67° w.b.	95° d.b. 75° w.b.	30,000 BTU/H 27,000 BTU/H 10,800 BTU/H	70° d.b. 60° w.b.	47° d.b. 43° w.b.	PROP / 1	2,048	1.6 A	INVERTER 25° - 100°	3.26 - HIGH 2.10 - MED. 0.65 - LOW	3.04 - HIGH 2.31 - MED. 0.65 - LOW	20	30	208 V/ 1ø	(SEE SPECIFICATIONS)
MSOU-4	LG / LUU249HV	AIR COOLED	MS-4	37.4" X 32.3" X 15.3"	LBS.	30,000 BTU/H 24,000 BTU/H 9,600 BTU/H	80° d.b. 67° w.b.	95° d.b. 75° w.b.	30,000 BTU/H 27,000 BTU/H 10,800 BTU/H	70° d.b. 60° w.b.	47° d.b. 43° w.b.	PROP / 1	2,048	1.6 A	INVERTER 25° - 100°	3.26 - HIGH 2.10 - MED. 0.65 - LOW	3.04 - HIGH 2.31 - MED. 0.65 - LOW	20	30	208 V/ 1ø	(SEE SPECIFICATIONS)

	EXHAUS	FAN	SCHE	DULE	•											
DESIG.	MFR/MDL	SERVES	LOCAT.	TYPE				FAN DATA					МОТО	R DATA		DEMARKS
DESIG.		JERVES	LOCAI.	1165	CFM	S.P.	RPM	DRIVE	TYPE	DIA.	SONES	RPM	AMPS	HP	VOLT/PH	REMARKS
EF-1	GREENHECK/ CSP - A200	111 - HALL	111 - HALL	INLINE	50	.375"		DIRECT			0.5	598	0.6		120 / 1ø	PROVIDE WITH SPEED CONTROL, MOUNTED AND WIRED, PROVIDE CONTROL DIAL, DISCONNECT SWITCH, OCCUPANCY SENSOR & BACKDRAFT DAMPER.
EF-2	GREENHECK/ CSP - A900	107 - POOL EQUIP.	MECH. ROOM	INLINE	450	.375"		DIRECT			1.2	708	3.8		120 / 1ø	PROVIDE WITH SPEED CONTROL, MOUNTED AND WIRED, PROVIDE CONTROL DIAL, DISCONNECT SWITCH, OCCUPANCY SENSOR & BACKDRAFT DAMPER.
EF-3	GREENHECK/ CSP - A410	106 - MECH. CHASE	MECH. ROOM	INLINE	150	.375"		DIRECT			0.9	780	1.6		120 / 1ø	PROVIDE WITH SPEED CONTROL, MOUNTED AND WIRED, PROVIDE CONTROL DIAL, DISCONNECT SWITCH, OCCUPANCY SENSOR & BACKDRAFT DAMPER.
EF-4	GREENHECK/ CSP - A900	ATTIC SPACE	ATTIC	INLINE	600	.375"		DIRECT			0.4	783	3.8		120 / 1ø	PROVIDE WITH SPEED CONTROL, MOUNTED AND WIRED, PROVIDE CONTROL DIAL, DISCONNECT SWITCH, WIRED THERM / HUMIDIOSTAT & BACKDRAFT DAMPER.
EF-5	GREENHECK/ CSP - A410	104 - GIRLS	MECH. ROOM	INLINE	250	.375"		DIRECT			1.2	918	1.7		120 / 1ø	PROVIDE WITH SPEED CONTROL, MOUNTED AND WIRED, PROVIDE CONTROL DIAL, DISCONNECT SWITCH, OCCUPANCY SENSOR & BACKDRAFT DAMPER.
EF-6	GREENHECK/ CSP - A410	105 - BOYS	MECH. ROOM	INLINE	250	.375"		DIRECT			1.2	918	1.7		120 / 1ø	PROVIDE WITH SPEED CONTROL, MOUNTED AND WIRED, PROVIDE CONTROL DIAL, DISCONNECT SWITCH, OCCUPANCY SENSOR & BACKDRAFT DAMPER.
EF-7	GREENHECK/ CSP - A250	102 - FAMILY RR	CEILING	INLINE	100	.375"		DIRECT			0.3	721	0.6		120 / 1ø	PROVIDE WITH SPEED CONTROL, MOUNTED AND WIRED, PROVIDE CONTROL DIAL, DISCONNECT SWITCH, OCCUPANCY SENSOR & BACKDRAFT DAMPER.
*EF-5	GREENHECK/ CSP - A900	104 - GIRLS	MECH. ROOM	INLINE	450	.375"		DIRECT			1.2	708	3.8		120 / 1ø	PROVIDE WITH SPEED CONTROL, MOUNTED AND WIRED, PROVIDE CONTROL DIAL, DISCONNECT SWITCH, WALL MOUNTED THERMOSTAT & BACKDRAFT DAMPER.
*EF-6	GREENHECK/ CSP - A900	105 - BOYS	MECH. ROOM	INLINE	450	.375"		DIRECT			1.2	708	3.8		120 / 1ø	PROVIDE WITH SPEED CONTROL, MOUNTED AND WIRED, PROVIDE CONTROL DIAL, DISCONNECT SWITCH, WALL MOUNTED THERMOSTAT & BACKDRAFT DAMPER.
*EF-7	GREENHECK/ CSP - A710	102 - FAMILY RR	CEILING	INLINE	350	.375"		DIRECT			0.4	883	4.9		120 / 1ø	PROVIDE WITH SPEED CONTROL, MOUNTED AND WIRED, PROVIDE CONTROL DIAL, DISCONNECT SWITCH, WALL MOUNTED THERMOSTAT & BACKDRAFT DAMPER.

* DENOTES E	QUIPMENT TO BE PROVIDE	D IN DEDUCTIVE	ALTERNATE ONL

	AIR DEV	ICE SCH	EDULE				
DESIG.	MFR./MDL.	TYPE	FACE SIZE	FINISH	FREE AREA	ACCESS.	REMARKS
CD-1	TITUS / TMS-AA	LOUVER FACE CEILING SUPPLY	AS NOTED	WHITE		OPPOSED BLADE DAMPER	2'x2' GRILLE WITH ROUND NECK
CD-2	TITUS / TDC-AA	LOUVER FACE CEILING SUPPLY	AS NOTED	WHITE		OPPOSED BLADE DAMPER	2'x2' GRILLE WITH SQUARE NECK
SG-1	TITUS / 300FL	DOUBLE DEFLECTION SIDEWALL SUPPLY	AS NOTED	WHITE		OPPOSED BLADE DAMPER	PROVIDE W/ 3/4" SPACED BLADES, 22.5° DEFLECTION, FRONT BLADES PARALLEL TO LONG DIMENSION.
LD-1	TITUS / ML-38	LINEAR	AS NOTED	WHITE		OPPOSED BLADE DAMPER	PROVIDE W/ NUMBER OF SLOTS DESIGNATED ON PLANS, 3/4" SLOT WIDTH, END CAPS, AND CONTINUOUS INSULATED PLENUM. PLENUM HEIGHT SHALL BE ADEQUATELY TALL FOR CONNECTION OF DUCT SIZE SHOWN ON PLANS
LD-2	TITUS / CT-PP-580	LINEAR	AS NOTED	COORD. W/ ARCHITECT		OPPOSED BLADE DAMPER	PROVIDE W/ WIDTH OF DEVICE DESIGNATED ON PLANS, REMOTE DAMPER REGULATOR ACCESSIBLE FROM FACE OF AIR DEVICE, END CAPS, AND CONTINUOUS INSULATED PLENUM. PLENUM HEIGHT SHALL BE ADEQUATELY TALL FOR CONNECTION OF DUCT SIZE SHOWN ON PLANS. SEE ARCHITECTURAL SHEETS FOR FLOOR TYPES.
		PERF. FACE				OPPOSED	22" x 22" NECK TYPICAL UNLESS NOTED OTHERWISE ON PLANS.
RA-1	TITUS / PAR-AA	CEILING RETURN	AS NOTED	WHITE	51%	BLADE DAMPER	
RA-2	TITUS / 350FL	SIDEWALL RETURN	AS NOTED	WHITE		OPPOSED BLADE DAMPER	PROVIDE W/ 3/4" SPACED BLADES, 22.5° DEFLECTION, FRONT BLADES PARALLEL TO LONG DIMENSION.
ER-1	TITUS / 50F	EGGCRATE CEILING EXHAUST	AS NOTED	WHITE	51%	OPPOSED BLADE DAMPER	SQUARE NECK.
SE-1	TITUS / 350FL	SIDEWALL EXHAUST	AS NOTED	WHITE		OPPOSED BLADE DAMPER	PROVIDE W/ 3/4" SPACED BLADES, 22.5° DEFLECTION, FRONT BLADES PARALLEL TO LONG DIMENSION.

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PROVIDE SLEEVES THROUGH WALLS AND FLOORS. SEAL EXCESS OPENING WITH WATER-PROOF SEALANT. COORDINATE LOCATIONS AND SIZES OF SLEEVES WITH GENERAL CONTRACTOR. SLEEVES SHALL PROVIDE A MAXIMUM OF 1" CLEARANCE BETWEEN DUCT OR PIPE AND SLEEVE. SEAL PENETRATION IN FIRE/SMOKE RATED WALLS AND FLOOR WITH AN APPROVED FIRE/SMOKE BLOCK SEALANT.

EXTERNALLY INSULATE SUPPLY, RETURN, RELIEF, AND OUTSIDE AIR DUCTWORK UNLESS NOTED OTHERWISE.

EXHAUST DUCTWORK SHALL BE UN-INSULATED, UNLESS NOTED

MINIMUM OF 1/2" THICK FIBERGLASS DUCT WRAP.

NEAREST FLOOR OR ROOF DRAIN.

REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF FIRE AND

STRUCTURAL FRAMING MEMBERS. OFFSET DUCTS AS REQUIRED TO CLEAR STRUCTURAL MEMBERS.

16. COORDINATE LOCATIONS AND ELEVATION OF DUCT RUNS WITH PLUMBING, SPRINKLER, AND ELECTRICAL CONTRACTORS.

17. COORDINATE MAKE-UP WATER AND GAS REQUIREMENTS WITH PLUMBING CONTRACTOR.

18. PROVIDE ACCESS DOORS FOR ALL FIRE DAMPERS. PROVIDE CEILING ACCESS DOORS FOR DAMPERS ABOVE GYPSUM BOARD

19. PAINT DUCTWORK BLACK THAT MAY BE VISIBLE ABOVE PARTIAL CEILINGS. COORDINATE PAINTING OF DUCTWORK WITH

ARCHITECTURAL REFLECTED CEILING PLANS.

	UNIT HE	EATER	SCH	EDL	JLE											
DESIG.	MFR/MDL	CEDVEC	TVDE	CFM	FINNED	CONTROLLER	CABINET	CABINET	CABINET	HE	ATING	В	LOWER	ELEC	TRICAL	DEMARKS
DESIG.		SERVES	TYPE	CFIVI	LENGTH	LENGTH	LENGTH	HEIGHT	DEPTH	WATTS	BTU / HOUR	HP	VOLT / PHASE	AMPS	VOLT / PHASE	REMARKS
EH-1	QMARK / MUH0521- PRO-SSP	106 - MECH. CHASE	WALL HEATER	350			16"	14"	7.5"	5,000	17,060			18.0	208 / 3ø	PROVIDE WITH OVERHEAD MOUNTING BRACKET, LOUVER DIFFUSER, DUST SHIELD, SECURITY COVER, THERMOSTAT, AND UNIT DISCONNECT.
EH-2*	QMARK / AWH4408F	104 - GIRLS	WALL HEATER	100			15.75"	19.32"	3.9"	4,000	13,649			19.2	208 / 1ø	PROVIDE WITH MOUNTING SLEVE FOR IN-WALL INSTALLATION, SECURITY COVER, THERMOSTAT, AND UNIT DISCONNECT.
EH-3*	QMARK / AWH4408F	105 - GIRLS	WALL HEATER	100			15.75"	19.32"	3.9"	4,000	13,649			19.2	208 / 1ø	PROVIDE WITH MOUNTING SLEVE FOR IN-WALL INSTALLATION, SECURITY COVER, THERMOSTAT, AND UNIT DISCONNECT.
EH-4*	QMARK / AWH3180F	102 - FAMILY RR	WALL HEATER	100			15.75"	19.32"	3.9"	1,800	6,142			15	120 / 1ø	PROVIDE WITH MOUNTING SLEVE FOR IN-WALL INSTALLATION, SECURITY COVER, THERMOSTAT, AND UNIT DISCONNECT.
EH-5*	QMARK / AWH3150F	103 - SHOWER	WALL HEATER	100			15.75"	19.32"	3.9"	1,500	5,118			12.5	120 / 1ø	PROVIDE WITH MOUNTING SLEVE FOR IN-WALL INSTALLATION, SECURITY COVER, THERMOSTAT, AND UNIT DISCONNECT.
* DENOTES	EQUIPMENT TO BE PRO	OVIDED IN DEDUCT	TIVE ALTERNAT	E ONLY.												

LOUVER / VENTILATOR SCHEDULE												
DESIG.	MFR./MDL.	TYPE	SERVES	СҒМ	S.P.	SIZE	VELOCITY FPM	REMARKS				
L-1	GREENHECK / EHH-701	FIXED DRAINABLE	EF-1 RELIEF	250	0.05	16" W X 16" H	409	PROVIDE W/ BIRD SCREEN. COLOR BY ARCHITECT.				
L-2	GREENHECK / EHH-701	FIXED DRAINABLE	EF-2 RELIEF	450	0.02	36" W X 16" H	322	PROVIDE W/ BIRD SCREEN. COLOR BY ARCHITECT.				
L-3	GREENHECK / EHH-701	FIXED DRAINABLE	(105 - MECH.) EXHAUST INTAKE	150	0.01	36" W X 16" H	206	PROVIDE W/ BIRD SCREEN. COLOR BY ARCHITECT.				
*L-4	GREENHECK / EHH-701	FIXED DRAINABLE	(104 - GIRLS) EXHAUST INTAKE	450	0.02	36" W X 16" H	322	PROVIDE W/ BIRD SCREEN. COLOR BY ARCHITECT.				
*L-5	GREENHECK / EHH-701	FIXED DRAINABLE	(105 - BOYS) EXHAUST INTAKE	450	0.02	36" W X 16" H	322	PROVIDE W/ BIRD SCREEN. COLOR BY ARCHITECT.				
*L-6	GREENHECK / EHH-701	FIXED DRAINABLE	(102 - FAMILY RR) EXHAUST INTAKE	350	0.03	36" W X 16" H	289	PROVIDE W/ BIRD SCREEN. COLOR BY ARCHITECT.				
	•					•	•					
GV-1	GREENHECK / GRSR-10	GRAVITY VENTILATOR	EF-5 RELIEF	250	0.023	10" W X 10" H	439	PROVIDE ROOF CURB, GRAVITY BACKDRAFT DAMPER, & BIRDSCREEN				
GV-2	GREENHECK / GRSR-10	GRAVITY VENTILATOR	EF-6 RELIEF	250	0.023	10" W X 10" H	439	PROVIDE ROOF CURB, GRAVITY BACKDRAFT DAMPER, & BIRDSCREEN				
GV-3	GREENHECK / GRSR-8	GRAVITY VENTILATOR	EF-3 RELIEF	150	0.008	8" W X 8" H	405	PROVIDE ROOF CURB, GRAVITY BACKDRAFT DAMPER, & BIRDSCREEN				
GV-4	GREENHECK / GRSR-8	GRAVITY VENTILATOR	EF-7 RELIEF	150	0.008	8" W X 8" H	405	PROVIDE ROOF CURB, GRAVITY BACKDRAFT DAMPER, & BIRDSCREEN				
GV-5	GREENHECK / GRSR-16	GRAVITY VENTILATOR	MINI-SPLIT O.S.A. INTAKE	625	0.036	16" W X 16" H	431	PROVIDE ROOF CURB, GRAVITY BACKDRAFT DAMPER, & BIRDSCREEN				
GV-6	GREENHECK / GRSR-16	GRAVITY VENTILATOR	EF-4 RELIEF	600	0.036	16" W X 16" H	414	PROVIDE ROOF CURB, GRAVITY BACKDRAFT DAMPER, & BIRDSCREEN				
	1			1				•				
GV-1*	GREENHECK / GRSR-16	GRAVITY VENTILATOR	EF-5 RELIEF	450	0.023	10" W X 10" H	310	PROVIDE ROOF CURB, GRAVITY BACKDRAFT DAMPER, & BIRDSCREEN				
GV-2*	GREENHECK / GRSR-16	GRAVITY VENTILATOR	EF-6 RELIEF	450	0.023	10" W X 10" H	310	PROVIDE ROOF CURB, GRAVITY BACKDRAFT DAMPER, & BIRDSCREEN				
GV-4*	GREENHECK / GRSR-12	GRAVITY VENTILATOR	EF-7 RELIEF	350	0.008	" W X" H	320	PROVIDE ROOF CURB, GRAVITY BACKDRAFT DAMPER, & BIRDSCREEN				
GV-5*	GREENHECK / GRSR-8	GRAVITY VENTILATOR	MINI-SPLIT O.S.A. INTAKE	25	0.036	8" W X 8" H	208	PROVIDE ROOF CURB, GRAVITY BACKDRAFT DAMPER, & BIRDSCREEN				

* DENOTES EQUIPMENT TO BE PROVIDED IN DEDUCTIVE ALTERNATE ONLY.

EQUIPMENT SEQUENCE OF OPERATION

THE OCCUPIED MODE SHALL BE INITIATED ACCORDING TO THE OWNER DEFINED SCHEDULE.

THE SUPPLY FAN SHALL RUN CONTINUOUSLY. THE SPACE THERMOSTAT SHALL CYCLE MECHANICAL COOLING TO MAINTAIN THE OCCUPIED COOLING SETPOINT (75 °F ADJ.). THE OUTSIDE AIR DAMPER SHALL OPEN TO THE MINIMUM POSITION. WHEN THE SPACE TEMPERATURE IS SATISFIED, MECHANICAL COOLING CYCLES OFF. WHEN THE SPACE THERMOSTAT CALLS FOR HEATING, ELECTRIC HEAT SHALL CYCLE ON TO MAINTAIN THE OCCUPIED HEATING SETPOINT (72 °F ADJ.). WHEN THE SPACE TEMPERATURE IS SATISFIED, THE ELECTRIC HEAT CYCLES OFF. DURING ECONOMIZER MODE, THE OUTSIDE AIR DAMPER SHALL MODULATE FULLY OPEN AND THE RETURN AIR DAMPER SHALL CLOSE. WHEN OUTDOOR AIR IS ABOVE ENTHALPY SETPOINT, THE OUTSIDE AIR DAMPER SHALL CLOSE TO THE MINIMUM POSITION AND THE RETURN AIR DAMPER SHALL OPEN.

THE SPACE THERMOSTAT SHALL CYCLE THE SUPPLY FAN AND MECHANICAL COOLING OR HEATING TO MAINTAIN THE UNOCCUPIED TEMPERATURE SETPOINT. THE OUTDOOR AIR DAMPER SHALL REMAIN CLOSED. A SPACE OVERRIDE TIMER (2 HRS.) LOCATED AT THE THERMOSTAT SHALL START/STOP THE SYSTEM ACCORDING TO ITS NORMAL

THE UNIT SHALL SHUT DOWN UPON DETECTION OF SMOKE BY EITHER THE SUPPLY OR RETURN AIR & SMOKE DETECTORS.

EACH SYSTEM SHALL BE CONTROLLED BY ITS WALL MOUNTED HEAT PUMP CONTROLLER. THE CONTROLLER FOR THE INDOOR UNIT SHALL BE THE PRIMARY CONTROLLER FOR THE MODE OF OPERATION OF THE OUTDOOR UNIT. OCCUPIED AND UNOCCUPIED SETTINGS SUCH AS TIME SCHEDULES AND TEMPERATURE SETPOINTS SHALL BE ADJUSTED AT THE CONTROLLERS (IF APPLICABLE).

EXHAUST FANS

<u>EF-1</u> - EXHAUST FAN SHALL BE INTERLOCKED (ON/OFF) WITH THE LIGHTS VIA. WALL MOUNTED SWITCH.

<u>EF-2</u> - EXHAUST FAN SHALL RUN CONTINUOUSLY.

<u>EF-3</u> - EXHAUST FAN SHALL BE INTERLOCKED (ON/OFF) WITH THE LIGHTS VIA. WALL MOUNTED SWITCH.

<u>EF-4</u> - THE EXHAUST FAN SHALL BE CONTROLLED BY LINE VOLTAGE THERMOSTAT LOCATED IN ATTIC SPACE AND SET TO RUN CONTINUOULY; UNLESS THE SPACE HAS REACHED A TEMPERATURE OF 38°F (ADJ.). ONCE THE SPACE HAS REACHED THE MIN. TEMPERATURE OF 38°F (ADJ.). THE EXHAUST FAN CYCLES OFF CLOSING THE MOTORIZED DAMPER AT LOUVER L-5.

<u>EF-5</u> - EXHAUST FAN SHALL BE CONTROLLED BY WALL MOUNTED OCCUPANCY SENSOR FURNISHED WITH EXHAUST FAN DEDUCTED ALT: THE EXHAUST FAN SHALL BE CONTROLLED BY LINE VOLTAGE THERMOSTAT NEAR DOOR AND SET TO RUN CONTINUOULY; UNLESS THE SPACE HAS REACHED A TEMPERATURE OF 38°F (ADJ.). ONCE THE SPACE HAS REACHED THE MIN. TEMPERATURE OF 38°F (ADJ.). THE EXHAUST FAN CYCLES OFF CLOSING THE MOTORIZED DAMPER AT LOUVER L-4.

DEDUCTED ALT: THE EXHAUST FAN SHALL BE CONTROLLED BY LINE VOLTAGE THERMOSTAT NEAR DOOR AND SET TO RUN CONTINUOULY;

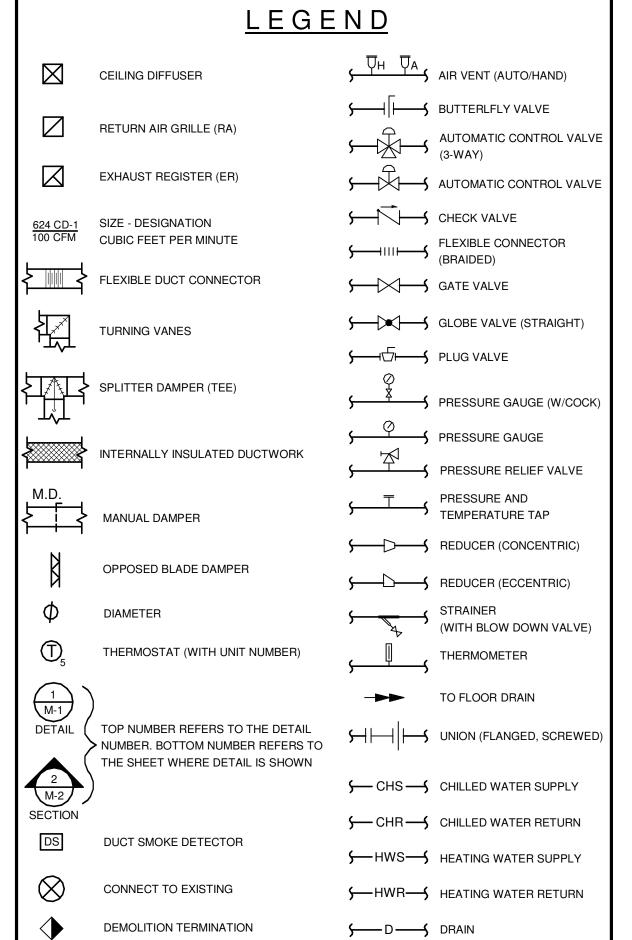
EF-5 - EXHAUST FAN SHALL BE CONTROLLED BY WALL MOUNTED OCCUPANCY SENSOR FURNISHED WITH EXHAUST FAN.

EXHAUST FAN CYCLES OFF CLOSING THE MOTORIZED DAMPER AT LOUVER L-5. EF-6 EXHAUST FAN SHALL BE CONTROLLED BY WALL MOUNTED OCCUPANCY SENSOR FURNISHED WITH EXHAUST FAN. DEDUCTED ALT: THE EXHAUST FAN SHALL BE CONTROLLED BY LINE VOLTAGE THERMOSTAT NEAR DOOR AND SET TO RUN CONTINUOULY; UNLESS THE SPACE HAS REACHED A TEMPERATURE OF 38°F (ADJ.). ONCE THE SPACE HAS REACHED THE MIN. TEMPERATURE OF 38°F (ADJ). THE EXHAUST FAN CYCLES OFF CLOSING THE MOTORIZED DAMPER AT LOUVER L-6.

UNLESS THE SPACE HAS REACHED A TEMPERATURE OF 38°F (ADJ.). ONCE THE SPACE HAS REACHED THE MIN. TEMPERATURE OF 38°F (ADJ). THE

ELECTRIC HEATERS (EH-1 THRU EH-5)

THE INTERGRATED THERMOSTAT SHALL CYCLE THE HEATER TO MAINTAIN THE TEMPERATURE SETPOINT.



GENERAL NOTES

DUE TO THE SMALL SCALE OF THIS DRAWING, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, AND ACCESSORIES WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING THE WORK AND SHALL COORDINATE AND ARRANGE HIS WORK ACCORDINGLY.

ROUND BRANCH DUCT RUNOUTS SHALL BE SAME SIZE AS DIFFUSER THROAT UNLESS OTHERWISE NOTED.

FLEXIBLE DUCT MAY BE USED FOR FINAL CONNECTIONS TO DIFFUSERS. A MAXIMUM LENGTH OF THREE FEET (3') SHALL BE USED. A HARD 90° ELBOW MUST BE USED WHERE DUCT TURNS DOWN ABOVE DIFFUSER.

ALL CEILING-MOUNTED SUPPLY DIFFUSERS SHALL HAVE FOUR-WAY (4-WAY) PATTERN UNLESS OTHERWISE INDICATED.

WHERE MANUAL DAMPERS ARE INSTALLED IN EXTERNALLY INSULATED DUCTWORK, PROVIDE STAND-OFF BRACKET TO PREVENT COMPRESSION OF INSULATION BY DAMPER OPERATOR

PROVIDE TURNING VANES IN ALL 90-DEGREE MITERED ELBOWS

10. EXTERNALLY INSULATE LOW-VELOCITY ROUND RUNOUT DUCTWORK

INSULATE THE TOP OF ALL SUPPLY AIR DIFFUSERS WITH A

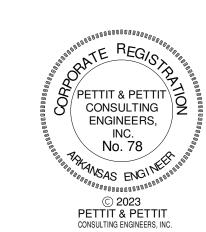
12. RUN COOLING COIL CONDENSATE DRAINS FULL SIZE TO

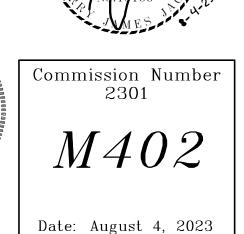
INSULATE ALL REFRIGERANT PIPING AND CONDENSATE DRAIN PIPING WITH 3/4" ELASTOMERIC INSULATION (ARMAFLEX). COAT

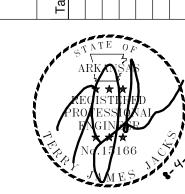
ALL EXTERIOR PIPE INSULATION WITH UV PROTECTANT PAINT. SMOKE RATED PARTITIONS.

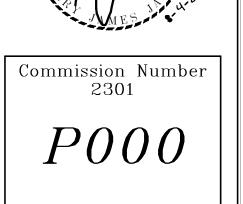
15. COORDINATE LOCATION OF DUCTS AND DIFFUSERS WITH

20. COORDINATE CEILING DIFFUSER LOCATIONS WITH









Date: August 4, 2023

PETTIT & PETTIT CONSULTING ENGINEERS, INC.
No. 78

PETTIT & PETTIT

PLUMBING GENERAL NOTES

- THE CONTRACTOR SHALL, PRIOR TO THE START OF ANY WORK UNDER THIS CONTRACT, JOB SITE VERIFY SIZE, LOCATION, ETC. OF ANY EXISTING PIPING NOTED, SHOWN OR IMPLIED, TO WHICH NEW PIPING IS RELATED OR CONNECTED.
- HOT AND COLD WATER SUPPLIES TO FIXTURES SHALL BE AS FOLLOWS, UNLESS SHOWN OR NOTED OTHER WISE.

WATER CLOSET————————————————————————————————————	
LAVATORY————————————————————————————————————	1/2"
ELECTRIC WATER COOLER———————————————————————————————————	1/2"
SHOWER —	1/2"
FREEZE-PROOF WALL HYDRANT————————————————————————————————————	
ICE MACHINE ————————————————————————————————————	1/2"
EMERGENCY SHOWER EYEWASH————————————————————————————————————	3/4 1 -1/4"

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

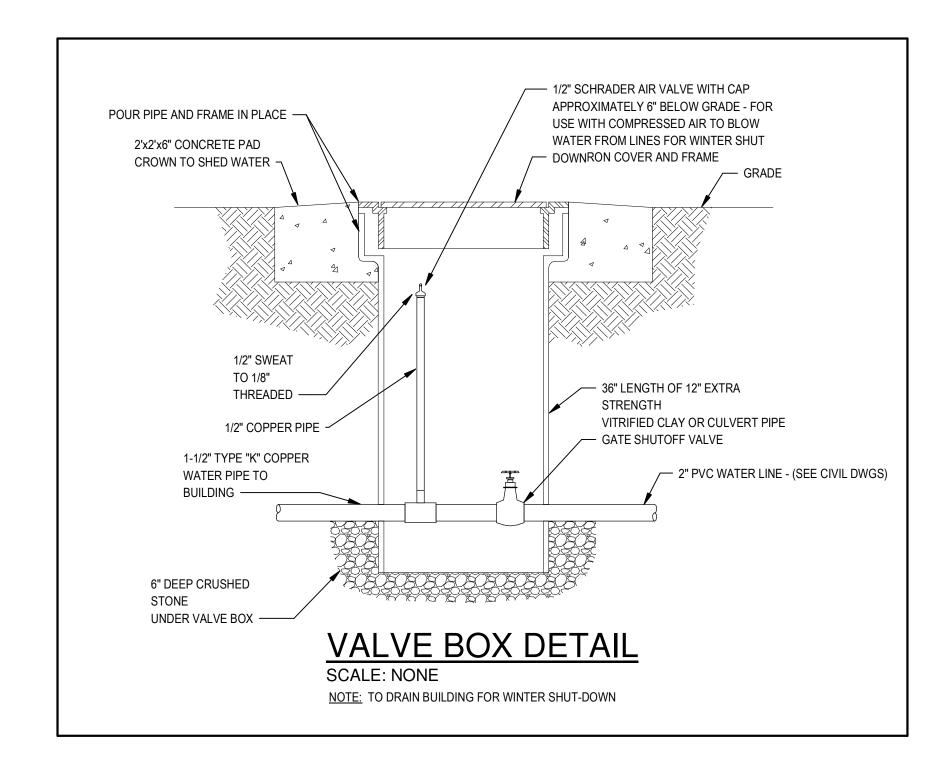
	FIXTURE LEGEND
SYMBOL	DESCRIPTION
/	NEW FIXTURE
0	ROUGH IN AND FINAL CONNECT ONLY
•	EXISTING FIXTURE TO REMAIN
[•] [•]	EXISTING FIXTURE TO BE REMOVED
	EXISTING FIXTURE (RELOCATED, OR REPAIRED - SEE NOTES)

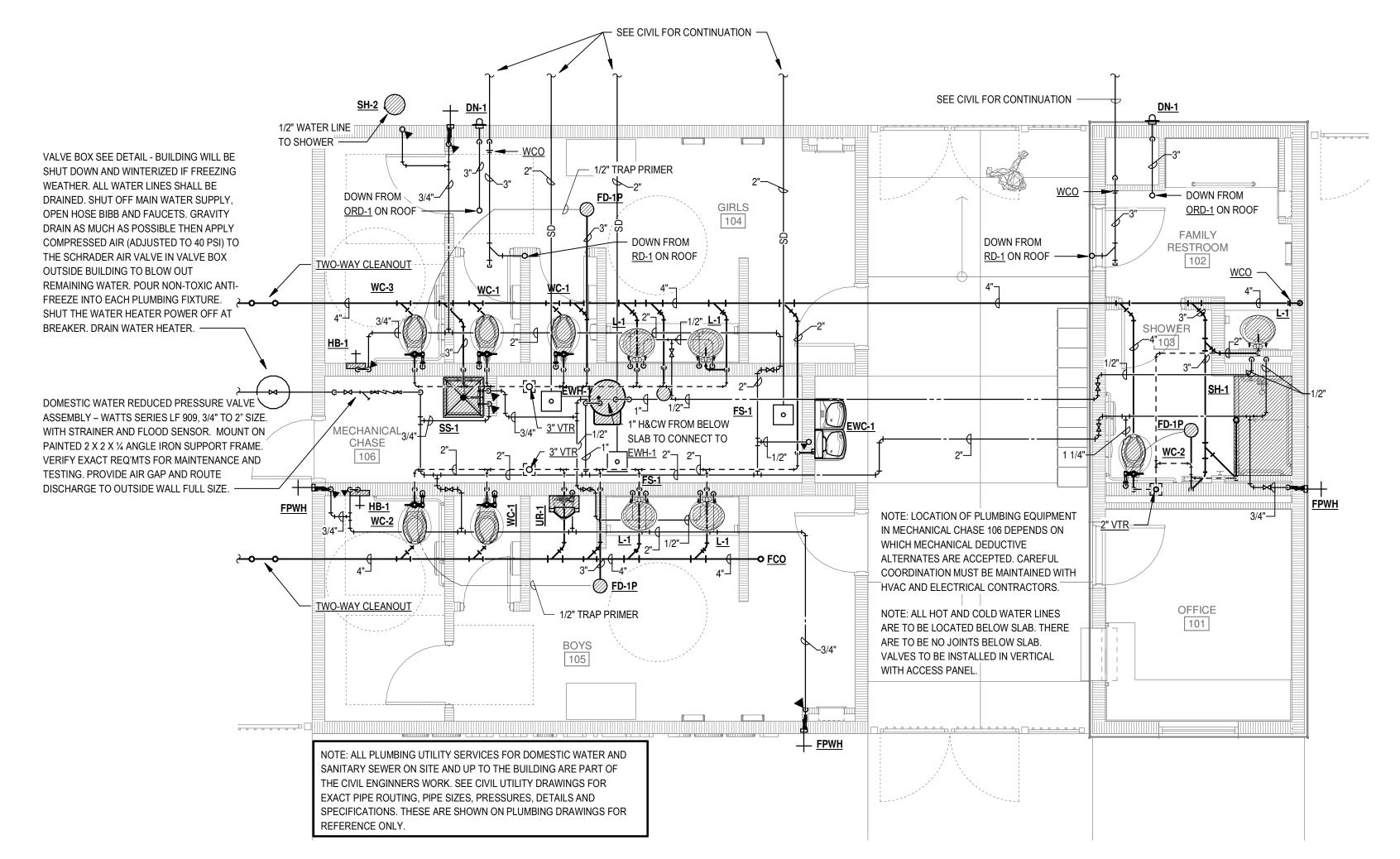
	PLUMBING	G LEGE	ND
SYMBOL	DESCRIPTION		
	SOIL, WASTE, OR SANITARY SEWER		UNION
SS	SANITARY SEWER (ON SITE)	FD	FLOOR DRAIN
	SANITARY VENT	RD	ROOF DRAIN
——CWV—	COMBINATION WASTE AND VENT	AD	ACCESS DOOR
w	WATER (ON SITE)	VTR	VENT THRU ROOF
	COLD WATER	НВ	HOSE BIBB
	HOT WATER	FPWH	FREEZE PROOF WALL HYDRANT
	HOT WATER RETURN	со	CLEANOUT PLUG
SD	STORM DRAIN	FCO	FLOOR CLEANOUT
D	INDIRECT DRAIN	AFCO	FLOOR CLEANOUT WITH ACID RESISTANT PIPING AND FITTINGS
—	NATURAL GAS (LOW PRESSURE GAS)	wco	WALL CLEANOUT
-	FLOW DIRECTION	ECO	EXTERIOR CLEANOUT
	GATE VALVE	R 1	DENOTES - SANITARY VENT STACK THRU ROOF
	GLOBE VALVE	RISER DIAG LOCATION SI RISER DIAGRA	HEET# RISER DESIGNATION
	CHECK VALVE		NEW CONNECTION TO EXISTING
<u> </u>	BALL VALVE	***	EXISTING PIPING TO BE REMOVED OR ABANDONED
+\\[\frac{1}{4} + \]	PLUG COCK - GAS COCK		EXISTING PIPING TO REMAIN
	PRESSURE REDUCING VALVE	* * [CAP AND SEAL AIR OR WATER TIGHT
	STRAINER	***	TERMINATION POINT OF DEMOLITION

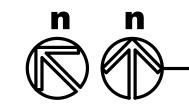
WATER HEATER SCHEDULE

1. WH-1 WATER HEATER - A.O. SMITH MODEL DRE-52-12, COMMERCIAL ELECTRIC, GLASS LINED TANK, WITH T&P RELIEF VALVE, 12.3 KW INPUT 77 GPH REC. AT 80°F RISE, 208 VOLT 3 PHASE. FURNISH CASH ACME - VR-801 VACUUM RELIEF VALVE. FURNISH AMTROL ST-5 EXPANSION TANK (2.0 GALLON CAPACITY MIN.)

- REMOVE WINTERIZATION DRAIN VALVE.
- REMOVE (2) FLOOR DRAINS IN MECHANICAL CHASE 106. ONE NEXT TO EWC-1 AND ONE NEXT TO EWH-1. SEE M1.02 HVAC DEDUCTIVE ALTERNATE TO COORDINATE LOCATIONS OF DRAINS.

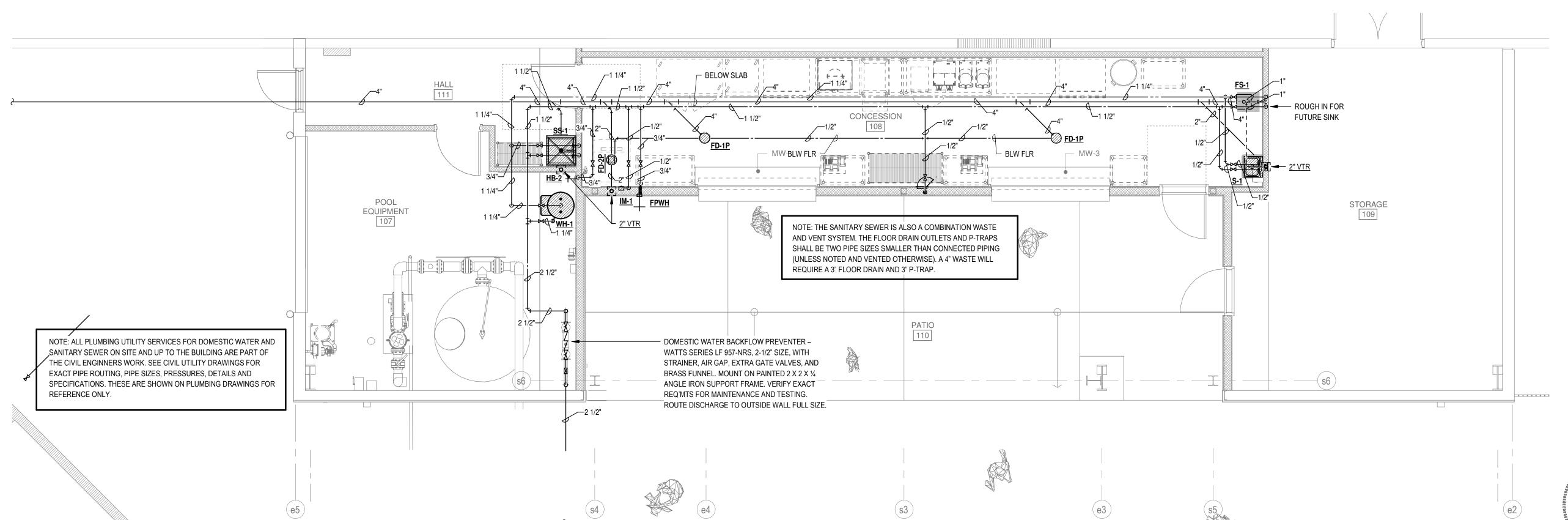






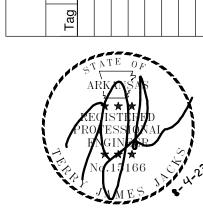
RESTROOM AND OFFICE FLOOR PLAN - PLUMBING SCALE: 1/4" = 1'-0"

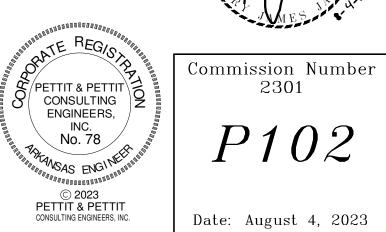
TRUE BUILDING NORTH





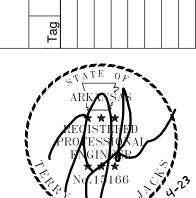
Commission Number P101

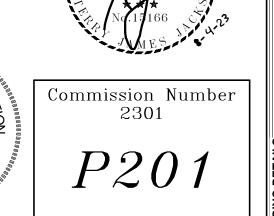


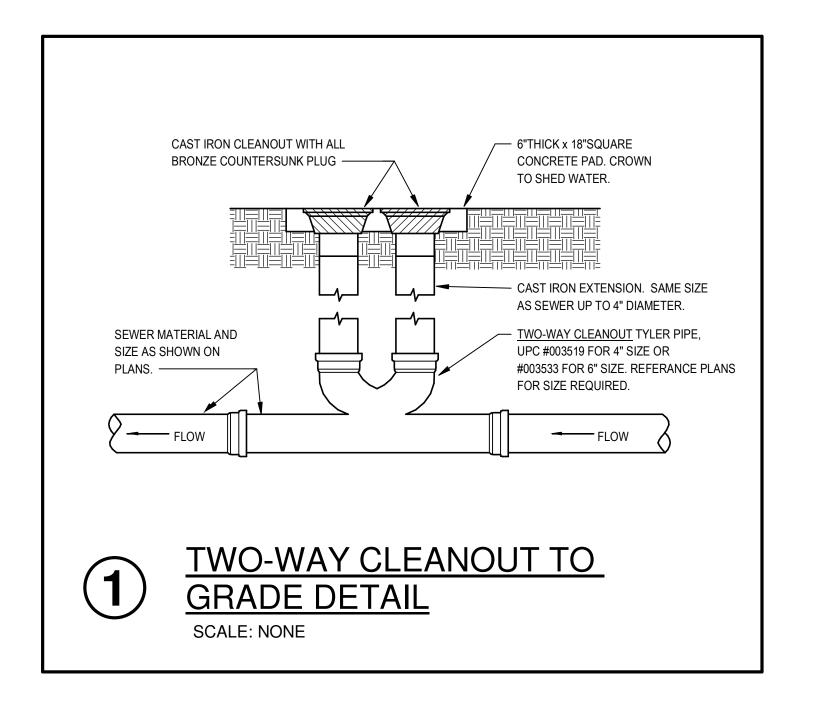


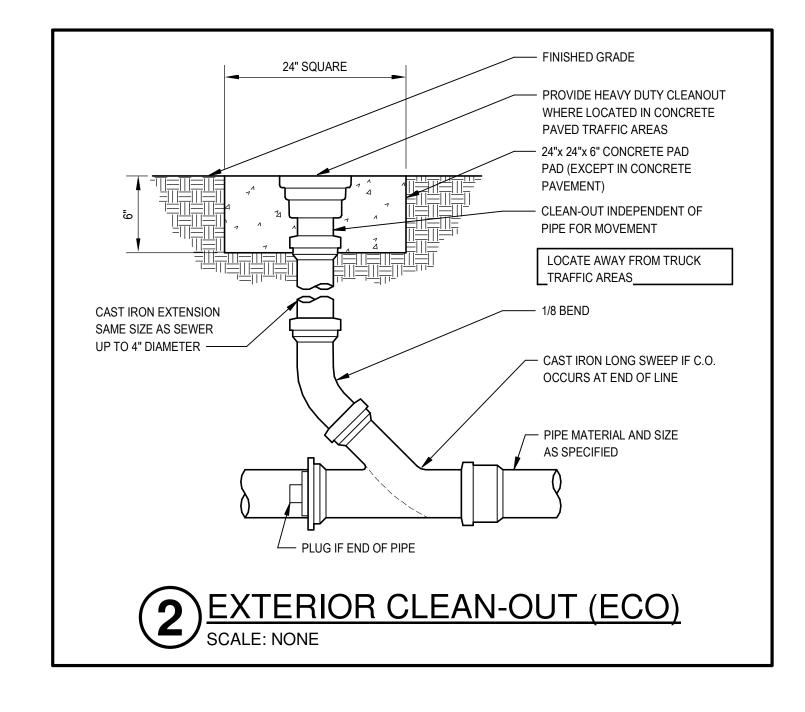
CENTER

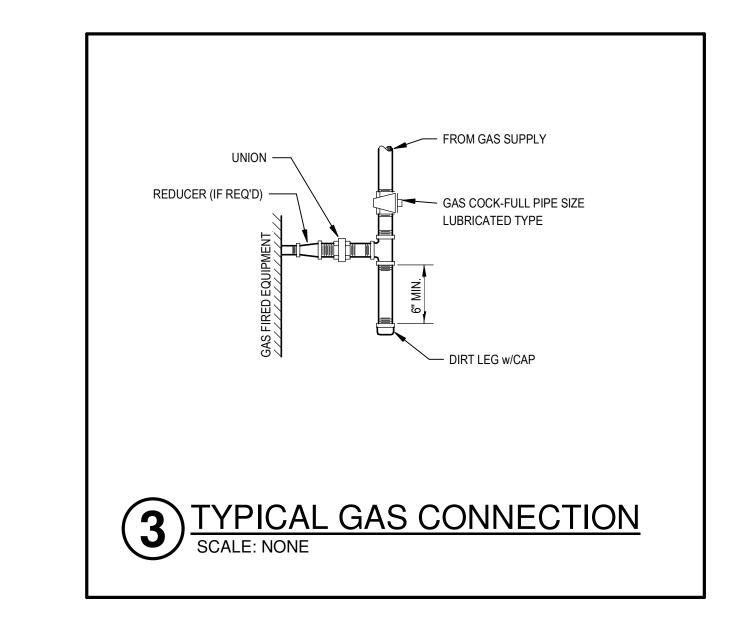
PARKER PARK











FINISH WALL

BREAKER

- SHUT OFF VALVE

CYLINDER LOCK

PIPING CONCEALED IN WALL.

FLOOR DRAIN. SEE FLOOR

PLAN AND SCHEDULE.

— ACCESS DOOR - ACUDOR PRODUCTS, INC.

#ARVB RECESSED 16 GAGE STAINLESS

STEEL DOOR, FRAME & BOX 12 x 12 x 4 SIZE

WITH CONTINUOUS CONCEALED HINGE &

TRAP PRIMER VALVE - PRECISION PLUMBING

PRODUCTS, INC. MODEL #P2-500, MADE OF

BRASS & ADJUSTABLE FOR HIGH OR LOW

PRESSURES WITH INTEGRAL VACUUM

SHOWN OUT OF WALL FOR CLARITY. -

FINISH WALL

FINISH FLOOR —

12" MINIMUM

1/2" SOFT DRAWN 'K' COPPER

W/ NO JOINTS BELOW FLOOR. -

ABV. FIN. FL.

CONNECT TO 1-1/2" OR SMALLER COLD

WATER LINE (SEE

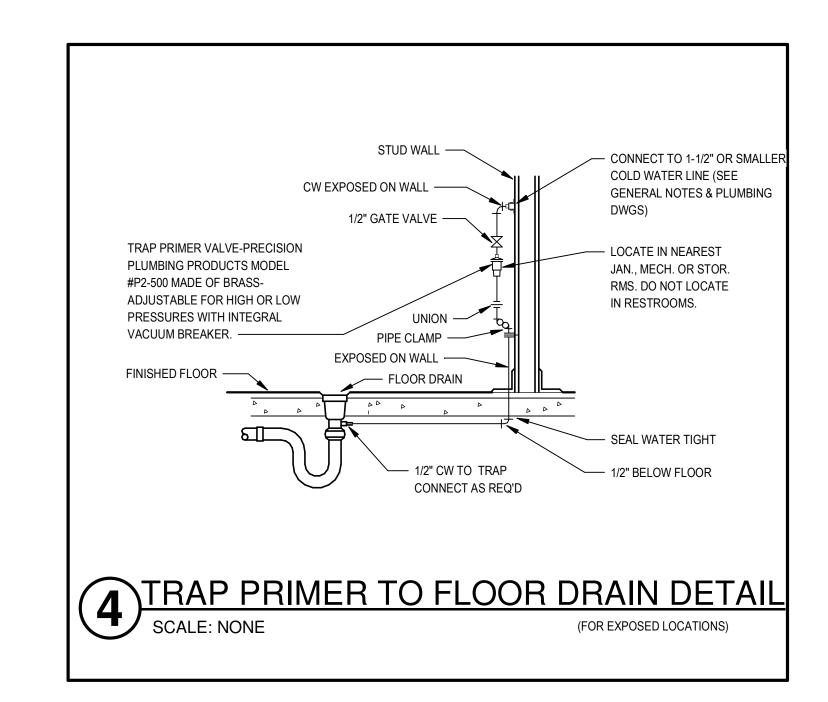
RISE OFF TOP OF

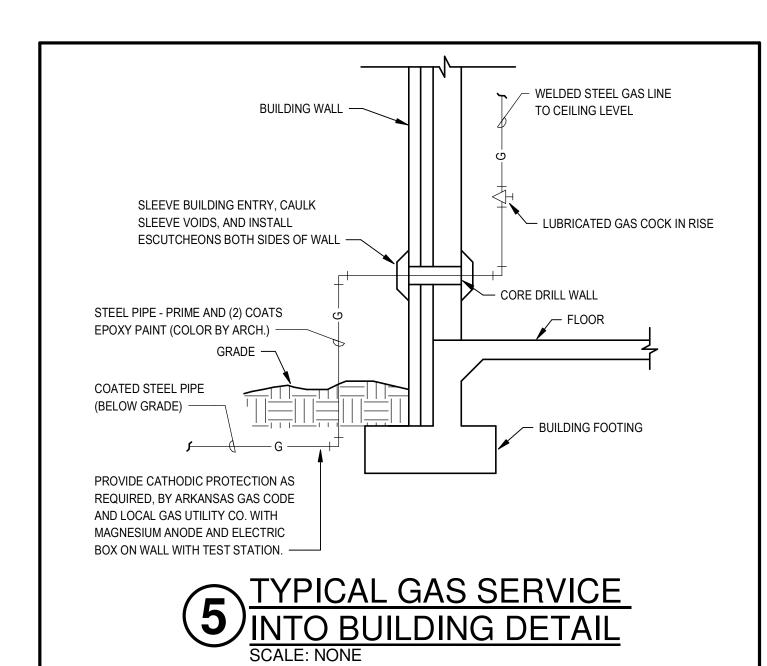
WATER SUPPLY LINE

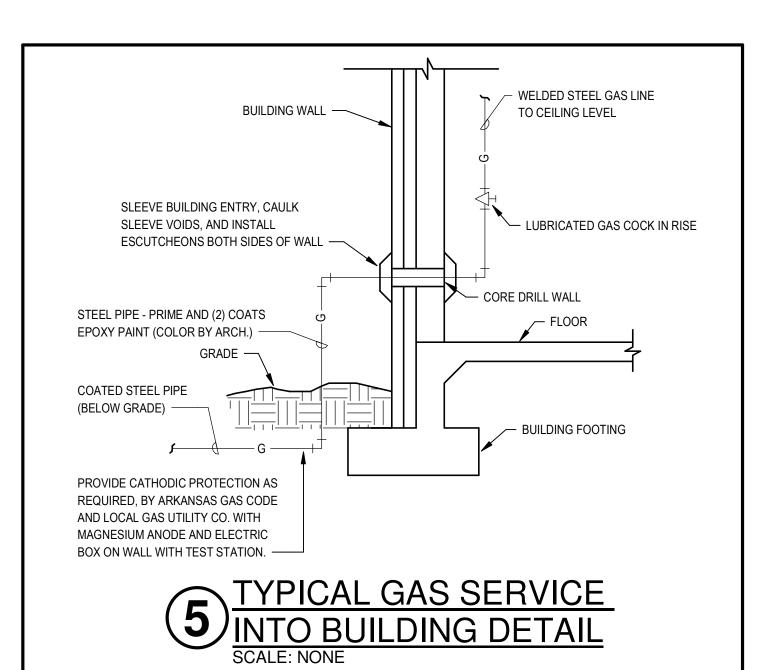
PRIOR TO RUNNING TO

THE PRIMER VALVE. —

GENERAL NOTES) —

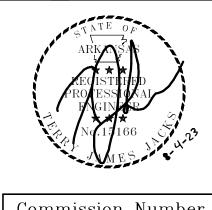


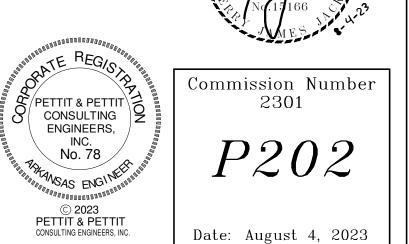


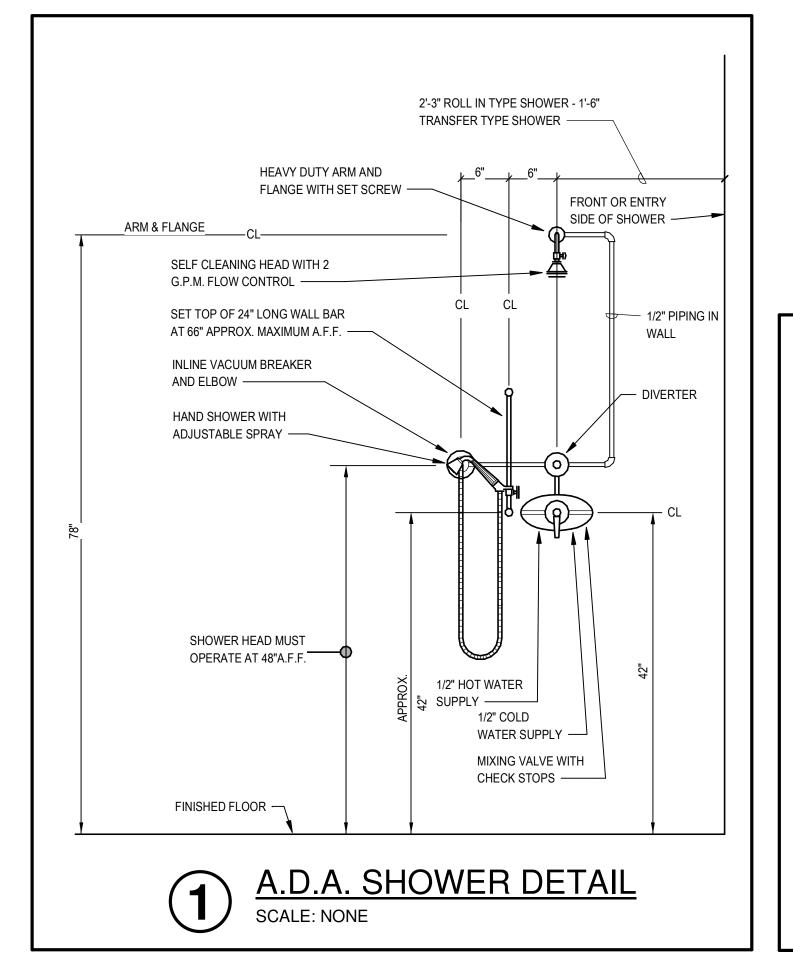


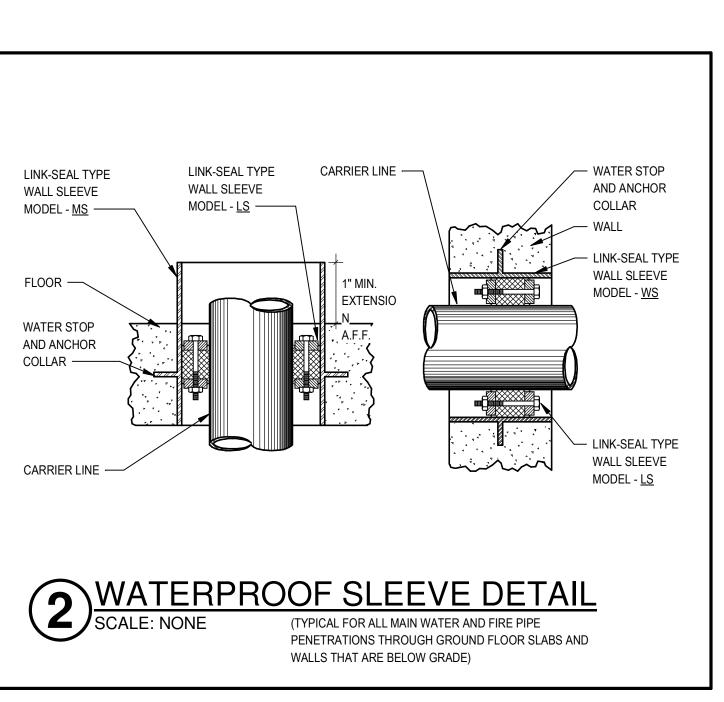


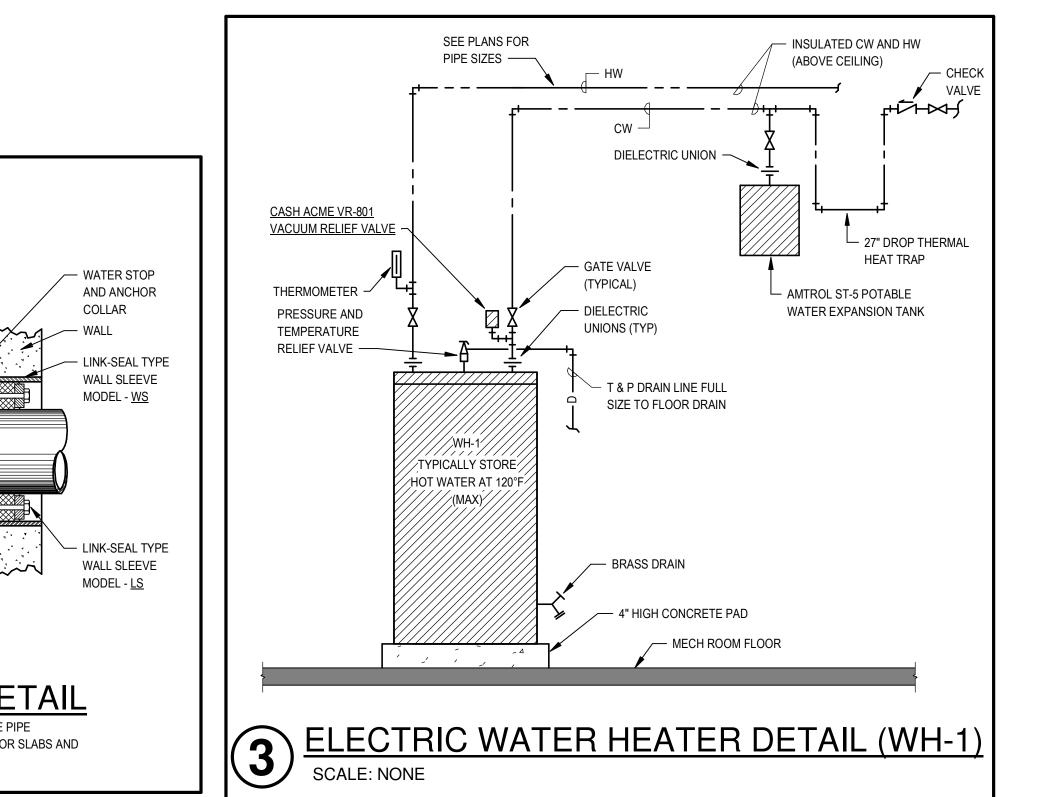
CENTER

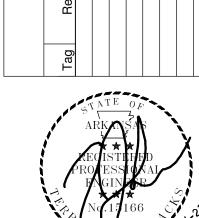


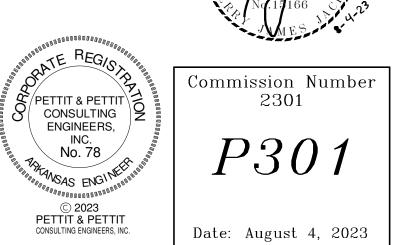


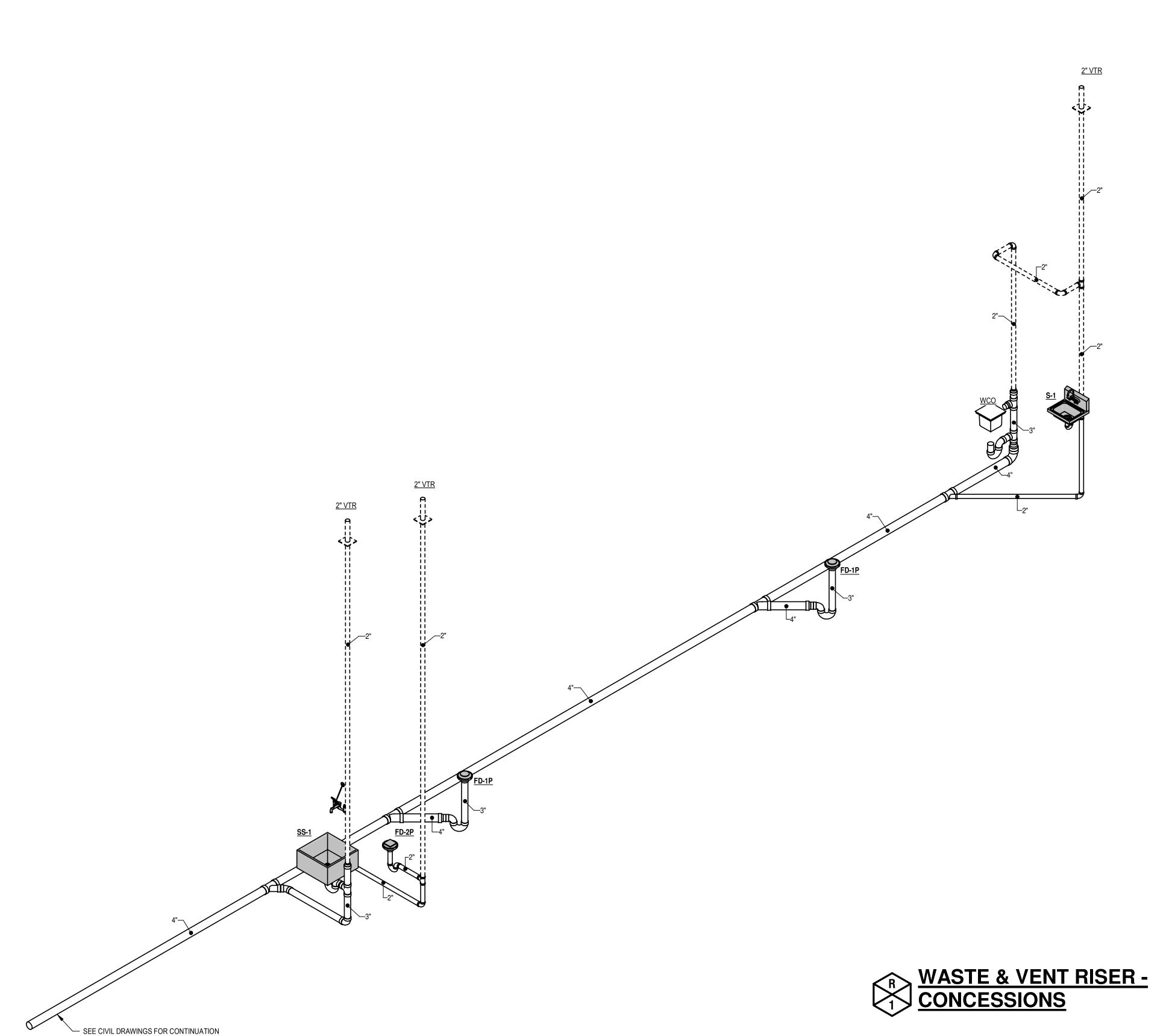








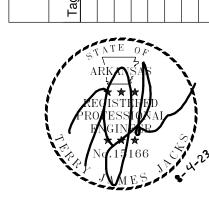


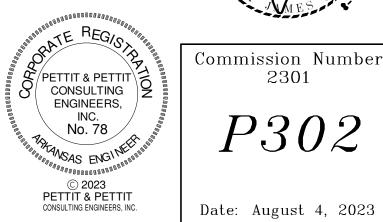


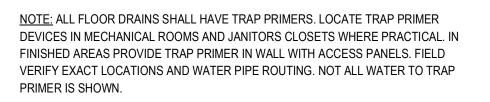
NOTE: ALL FLOOR DRAINS SHALL HAVE TRAP PRIMERS. LOCATE TRAP PRIMER DEVICES IN MECHANICAL ROOMS AND JANITORS CLOSETS WHERE PRACTICAL. IN FINISHED AREAS PROVIDE TRAP PRIMER IN WALL WITH ACCESS PANELS. FIELD VERIFY EXACT LOCATIONS AND WATER PIPE ROUTING. NOT ALL WATER TO TRAP PRIMER IS SHOWN.

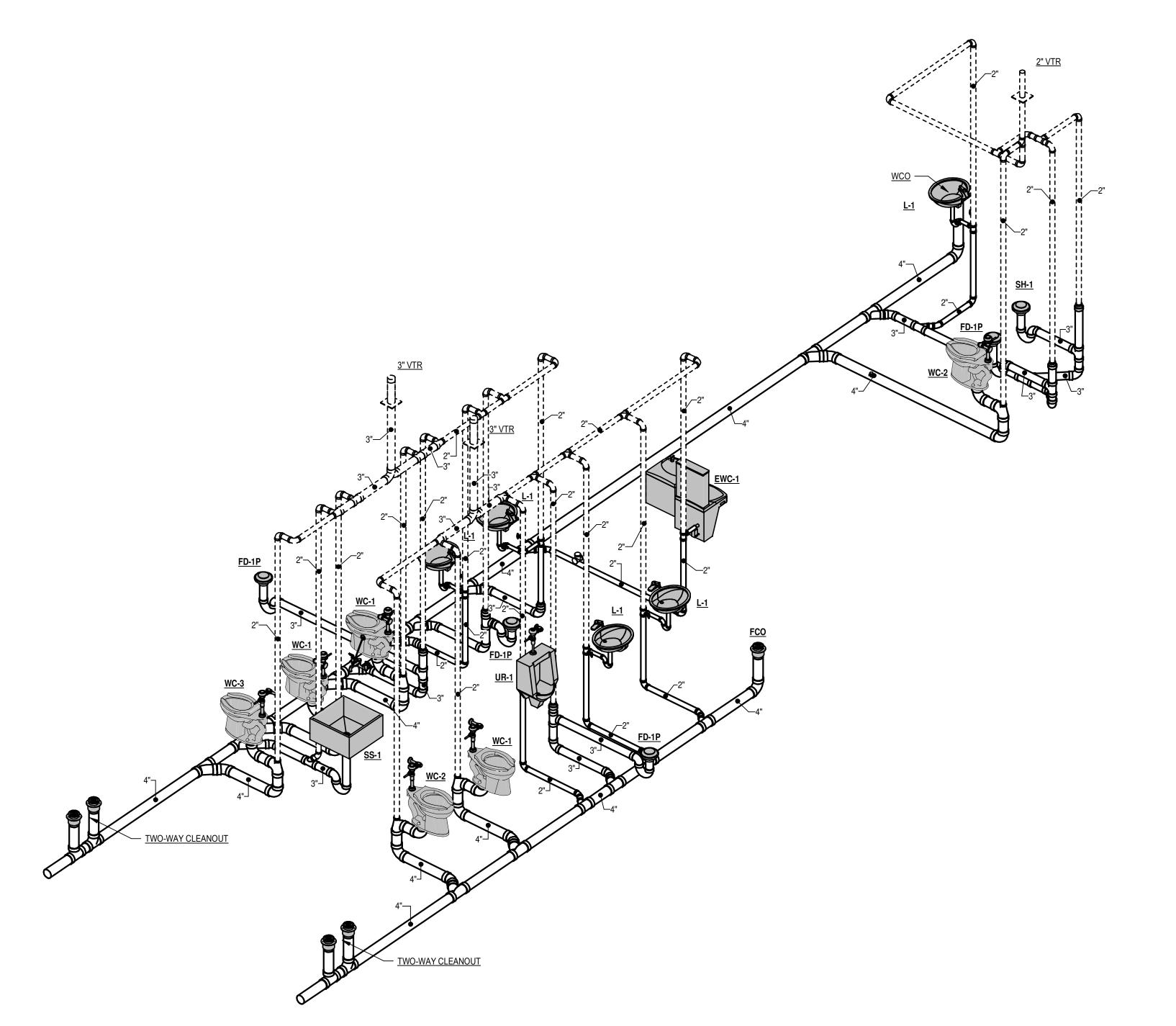
NOTE: THE CONCESSIONS SEWER IS ALSO A COMBINATION WASTE AND VENT SYSTEM. THE FLOOR DRAIN OUTLETS AND P-TRAPS SHALL BE TWO PIPE SIZES SMALLER THAN CONNECTED PIPING (UNLESS NOTED AND VENTED OTHERWISE). A 4" WASTE WILL REQUIRE A 3" FLOOR DRAIN AND 3" P-TRAP.

PARKER PARK COMMUNITY CENTER POOL ADDITION





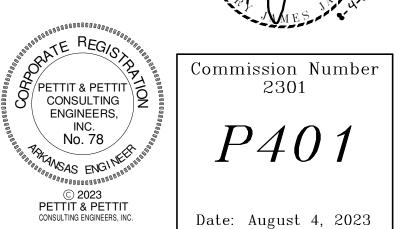




WASTE & VENT RISER - OFFICE

PARKER PARK COMMUNITY CENTER POOL ADDITION

CITY OF JONESBORO



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PETTIT & PETTIT
CONSULTING ENGINEERS, INC.

					PLUMBING FIXT	URE SCHEDULE			
TYPE MARK	- MANUFACTURER -	- MODEL -	- DESCRIPTION -	- ADA COMPLIANT -	- TRIM -	- SUPPLIES -	- TRAP -	- SUPPORT -	- REMARKS -
EWC-1	OASIS INTERNATIONAL	PGV8FEBFSL	VERSACOOLER II (WITH VERSAFILTER SYSTEM) SPLIT LEVEL SHALL DELIVER 8 GALLONS OF 50 DEGREE F WATER AT 80 DEGREE IN LET WATER AND 90 DEGREE F AMBIENT. BUBBLERS SHALL BE CHROME-PLATED BRASS (OR STAINLESS STEEL) AND BUILT IN REGULATOR TO DELIVER SMOOTH READY STREAM AT SUPPLY PRESSURES FROM 20 TO 125 PSI. MODEL SHALL INCLUDE PG8AC AND 'VERSAFILLER' SPORTS BOTTLE FILLER WITH HANDS FREE ACTIVATION. COOLER TOP SHALL BE 304 STAINLESS STEEL WITH ANTI-SPLASH DESIGN. COOLER FRAME SHALL BE 16-GAGE WELDED STEEL AND PRIME COATED FOR CORROSION PROTECTION. CABINET FINISH SHALL BE BRUSHED STAINLESS STEEL. WATER COOLER SHALL HAVE 5-YEAR WARRANTY ON SEALED REFRIGERATION SYSTEM AND MOST COMPONENT PARTS.	ÆS.	MCGUIRE LFST17K	MCGUIRE H-ST12LK HEAVY CAST BRASS STRAIGH STOP WITH LOOSE KEY HANDLE, 1/2 INCH SIZE.	MCGUIRE 8088	ZURN Z-1225-BL 'RIGID PLATE SYSTEM' HAVING STEEL UPRIGHTS WITH SUPPORT PLATES, AND BEARING JACKS MOUNTED ON ADJUSTABLE HEADER.	
L-1	KOHLER	K-2211	CAXTON® UNDERMOUNT LAVATORY, 19 INCH BY 15 INCH SIZE, VITREOUS CHINA, OVAL BASIN, FRONT OVERFLOW.	ÆS.	T&S BRASS MODEL B-2711-VF05 DECK MOUNTED SINGLE LEVER FAUCET, CHROME PLATED BRASS BODY WITH INTEGRAL SPOUT, B-0199-BF05 0.4 GPM VANDAL RESISTANT AERATOR, CERAMIC CARTRIDGE WITH ADJUSTABLE TEMPERATURE LIMIT STOP, MCGUIRE 155-A DRAIN WITH PERFORATED STRAINER AND 1-1/4 INCH TAILPIECE, ACORN ST-70 THERMOSTATIC MIXING VALVE. 105° F TEMPERED WATER TO BE DELIVERED TO HW SIDE OF FAUCET.	MCGUIRE H2167LK 1/2 INCH IPS HEAVY CAST BRASS ANGLE STOP, LOOSE KEY HANDLE, ANNEALED VERTICAL TUBE, CHROME PLATED CAST BRASS SET SCREW ESCUTCHEON, CHROME PLATED BRASS NIPPLE TO WALL.	MCGUIRE 8872 (1-1/4 INCH) POLISHED CHROME PLATED CAST BRASS ADJUSTABLE 'P' TRAP WITH CLEANOUT AND 17-GAGE TUBING TO WALL WITH CHROME PLATED CAST BRASS SET SCREW ESCUTCHEON.	COUNTER MOUNTED	NOTE: ALL EXPOSED SUPPLY (HOT AND COLD WATER) AND DRAIN PIPING SHALL BE INSULATED TO MEET ADA REQUIREMENTS. P-TRAP AND ANGLE VALVE ASSEMBLIES SHALL BE COVERED WITH MOLDED, ANTI-MICROBIAL TRUEBRO, INC. 'LAV-GUARD' MODEL #102 (VERIFY EXACT MODEL REQUIRED). COLOR GREY. COVER SHALL BE SECURED WITH SNAP-CLIPS. ANGLE STOPS SHALL HAVE LOCK-LID ACCESS COVERS.
S-1	ADVANCE TABCO	7-PS-50	WALL MOUNTED, ALL STAINLESS STEEL, COMPLETE WITH K-59 SPLASH MOUNTED FAUCET, K-6 STAINLESS STEEL BASKET DRAIN, K-26 LEVER OPERATED DRAIN, 7-PS-14 P-TRAP.	ÆS	ADVANCE TABCO K-59 SPLASH MOUNTED, 4 INCH GOOSENECK FAUCET	MCGUIRE H2167LK 1/2 INCH IPS HEAVY CAST BRASS ANGLE STOP, LOOSE KEY HANDLE, ANNEALED VERTICAL TUBE, CHROME PLATED CAST BRASS SET SCREW ESCUTCHEON, C.P. BRASS NIPPLE TO WALL.	ADVANCE TABCO 7-PS-14	WALL MOUNTED. PROVIDE AND INSTALL MANUFACTURER RECOMMENDED WALL BRACKET.	
SH-1	SYMMONS	S-9605-PLR	SITE BUILT SHOWER - SEE ARCHITECTURAL DRAWINGS. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL SYMMONS ORIGINS SHOWER SYSTEM WITH PRESSURE BALANCING SHOWER VALVE, ADJUSTABLE STOP SCREW, INTEGRAL VOLUME CONTROL, 1.5 GPM FLOW RESTRICTOR, VANDAL RESISTANT, INTEGRAL SERVICE STOPS, POLISHED CHROME, ADA GRAB BAR, 60 INCH METAL HOSE. AQUATIC SHOWER BASE F6034BTRPAN, ACRYLX 60x34 ADA COMPLIANT SHOWER BASE, TRENCH DRAIN.	ÆS.	ZURN ZN-415BZ1-VP CAST IRON DRAIN, 8" POLISHED NICKEL BRONZE "TYPE B" STRAINER, ADJUSTABLE COLLAR WITH SEEPAGE SLOTS.	INTEGRAL			
SH-2	BRADLEY	COL-2B	BRADLEY MODEL COL-2B, COLUMN BEACH SHOWER, 2 PERSON, TYPE Y 304 STAINLESS STEEL. 1.5 GPM FLOW, VANDAL PROOF ACCESS PANEL. 6'-0 STANDARD HEIGHT. AIR PUSHBUTTON. NO COLUMN DRAIN.WITH SUPPLY STOPS.	ÆS		INTEGRAL			
SS-1	STERN WILLIAMS	SB-900	'SERVICEPTOR' MOP SINK, 24 INCH X 24 INCH X 12 INCH, PRECAST TERRAZZO, WITH ONE PIECE STAINLESS STEEL CAST INTEGRAL CAP ON ALL FOUR SIDES AND INTEGRAL CAST BRASS DRAIN WITH S.S. STRAINER, 3 INCH OUTLET. PROVIDE 'T-40' MOP HANGER, 'T-35' HOSE, AND 'BP' STAINLESS STEEL BACK SPLASH PANELS.		T&S B-0665-BSTP FAUCET, POLISHED CHROME FINISH, INTEGRAL STOPS, TOP BRACE, LEVER HANDLES, VACUUM BREAKER, 8 INCH CENTERS.		CAST IRON 3 INCH SIZE, DEEP SEAL TYPE BELOW FLOOR.	FLOOR MOUNTED	
UR-1	KOHLER	K-4960-ET	BARDON™ URINAL WITH TOP SPUD, VITREOUS CHINA, WASH OUT WITH 3/4 INCH TOP SPUD, 2 INCH I.P.S. OUTLET CONNECTION.	ÆS.	SLOAN 186-0.5-YB-YC 'REGAL' EXPOSED FLUSH VALVE, NON-HOLD OPEN HANDLE, 1 INCH I.P.S. SCREWDRIVER ANGLI STOP, VACUUM BREAKER FLUSH CONNECTION, 1-1/2 INCH TOP SPUD, SWEAT SOLDER ADAPTOR, CAST WALL FLANGE WITH SET SCREW, SOLID RING PIPE SUPPORT AND 0.5 GALLON FLUSH CYCLE.	=	INTEGRAL WITH FIXTURE	ZURN Z-1222 'RIGID PLATE SYSTEM' HAVING STEEL UPRIGHTS WITH SUPPORT PLATES, AND BEARING JACKS ON ADJUSTABLE HEADERS.	
WC-1	KOHLER	K-96053	WELLCOMME' ULTRA, VITREOUS CHINA, SIPHON JET, 1.6 GPF, 12 INCH ROUGH IN, ELONGATED RIM, FLOOR MOUNTED, 1-1/2 INCH TOP SPUD BOWL, BOLT CAPS. OLSONITE 95-SS 'INDUSTRIAL' SEAT- FINISH WHITE, EXTRA HEAVY DUTY PLASTIC FOR ELONGATED BOWL, OPEN FRONT WITH CONCEALED CHECK HINGE, SELF-SUSTAINING FEATURE AND STAINLESS STEEL HINGE POST.	IO	SLOAN 111-1.6-YO "REGAL" EXPOSED FLUSH VALVE, ANGLE STOP, VACUUM BREAKER, 1-1/2" TOP SPUD - 1.6 GPF, WALL FLANGE, SET SCREW.		INTEGRAL WITH FIXTURE	FLOOR MOUNTED	
WC-2	KOHLER	K-96057	HIGHCLIFF' ULTRA, VITREOUS CHINA, SIPHON JET, 1.6 GPF, 12 INCH ROUGH IN, ELONGATED RIM, FLOOR MOUNTED, 1-1/2 INCH TOP SPUD BOWL, BOLT CAPS. OLSONITE 95-SS 'INDUSTRIAL' SEAT- FINISH WHITE, EXTRA HEAVY DUTY PLASTIC FOR ELONGATED BOWL, OPEN FRONT WITH CONCEALED CHECK HINGE, SELF-SUSTAINING FEATURE AND STAINLESS STEEL HINGE POST.	'ES	SLOAN 111-1.6-YO "REGAL" EXPOSED FLUSH VALVE, ANGLE STOP, VACUUM BREAKER, 1-1/2 INCH TOP SPUD - 1.6 GPF, WALL FLANGE, SET SCREW.		INTEGRAL WITH FIXTURE	FLOOR MOUNTED	PROVIDE SLOAN MODEL VBF-72-A VACUUM BREAKER TRAP PRIMER ACCESSORY AS REQUIRED IN RESTROOMS WITH FLOOR DRAIN.
WC-3	KOHLER	K-96057	HIGHCLIFF' ULTRA, VITREOUS CHINA, SIPHON JET, 1.6 GPF, 12 INCH ROUGH IN, ELONGATED RIM, FLOOR MOUNTED, 1-1/2 INCH TOP SPUD BOWL, BOLT CAPS. OLSONITE 95-SS 'INDUSTRIAL' SEAT- FINISH WHITE, EXTRA HEAVY DUTY PLASTIC FOR ELONGATED BOWL, OPEN FRONT WITH CONCEALED CHECK HINGE, SELF-SUSTAINING FEATURE AND STAINLESS STEEL HINGE POST.	ÆS	SLOAN 111-1.6-C-I-YC-YK "REGAL" EXPOSED FLUSH VALVE, ANGLE STOP, VACUUM BREAKER, 1-1/2 INCH TOP SPUD - 1.6 GPF, WALL FLANGE, SET SCREW.		INTEGRAL WITH FIXTURE	FLOOR MOUNTED	PROVIDE SLOAN MODEL VBF-72-A VACUUM BREAKER TRAP PRIMER ACCESSORY AS REQUIRED IN RESTROOMS WITH FLOOR DRAIN.

EQUIPMENT (BY OTHERS) - ROUGH IN AND MAKE FINAL CONNECTIONS FOR EQUIPMENT AS INDICATED ON PLANS. FURNISH MCGUIRE, ZURN, ENGINEERED BRASS CO, OR KOHLER STRAIGHT STOP, (1/2" IPS) OR FEMALE INLET AND OUTLET AND POLISHED CHROMIUM PLATED CAST BRASS, MCGUIRE HEAVY-DUTY (1 1/4" OR 1 1/2") P-TRAP WITH CLEANOUT AND OTHER TRIM AS INDICATED ON PLANS. ALL EXPOSED PIPING SHALL BE CHROME PLATED AND ESCUTCHEONS SHALL BE C.P. CAST BRASS SET SCREW TYPE.

			PLUMBING SPECIALTIES	
TYPE MARK	MANUFACTURER	MODEL	DESCRIPTION	COMMENTS
DD-1	NEPTUNE BENSON		BASE: 4 INCH DECK DRAIN BASE NADE OF EXTRUDED, UV STABILIZED, RIGID PVC. AN OPEN SECTION OF 4.03 INCH AT THE TOP WITH AN INITIAL DEPTH OF 1 INCH, AND HAVING A LEDGE ON EACH SIDE OF APPROXIMATELY 1/2 INCH FOR A GRATE TO SIT ON. THE BOTTOM SECTION OF THE DRAIN TO BE 4 INCHES WIDE. OVERALL DEPTH OF 3-1/2 INCH. THE UNDERSIDE OF THE BASE WITH AND OVERALL WIDTH OF 5 INCHES WITH PROTRUSIONS TO GIVE SABILITY AND ENABLE ANCHORING DOWN PRIOR TO POURING THE CEMENT/GUNITE. PROTRUSIONS TO ENSURE THE DRAINS ARE EMBEDDED INTO THE CEMENT/GUNITE. EACH SECTION TO BE JOINED USING A MALE PVC SLEEVE OF THE SAME SHAPE AND SECURED WITH STANDARD PVC GLUE. PROVIDE DOWN SECTIONS 3 INCH PVC COUPLINGS. GRATE: 4 INCH T-BAR SIZE. MODULAR, INTERLOCKING PIECES OF PVC, UV STABILIZING GRATING. THE TOP SURFACE SHALL HAVE A RAISED DESIGN TO CREATE GOOD FRICTION, WET OR DRY, AND BE 5/8 INCH WIDE WITH A DEPTH OF 1 FOOT. TTHE SPACE BETWEEN THE PIECES SHALL NOT EXCEED 1/4 INCH. EACH PIECE OF GRATE SHALL HAVE A SLOTTED HOLE AT THE ENDS FOR INSERTION OF A STAINLESS STEEL FASTENER CLIP AND ANCHOR SCREWS AT LEAST EVERY 5 FEET AND SHALL BE EASILY REMOVABLE. GRATING SURFACE BARS SHALL RUN PERPENDICULAR TO THE LINE OF TRENCH AND WITH THE GAP. PROVIDE AT LEAST 25 PERCENT OPEN SPACE PER FOOT FOR UNRESTRICTED WATER FLOW. ACCEPTABLE MANUFACTURERS: NEPTUNE BENSON, NDS, OR J.R.SMITH.	
DN-1	ZURN	Z199	DOWNSPOUT NOZZLE, ALL NICKEL BRONZE BODY, WITH BIRD SCREEN.	
FCO	ZURN	ZN-1400-BP-VP	'LEVEL-TROL' GASKETED HUB OUTLET, THREADED ADUSTABLE HOUSING, BRONZE PLUG, STAINLESS STEEL TOP, VALDAL PROOF SCREWS	
FD-1P	ZURN	ZN-415B-P-VP	CAST IRON DRAIN, 7" POLISHED NICKEL BRONZE "TYPE B" STRAINER, ADJUSTABLE COLLAR WITH SEEPAGE SLOTS, 1/2" TRAP PRIMER CONNECTION.	
FD-2P	ZURN	ZN-415I-P	CAST IRON DRAIN, 7" POLISHED NICKEL BRONZE "TYPE I" STRAINER WITH RAISED FLANGE, 1/2" TRAP PRIMER CONNECTION.	
FPWH	ZURN		'ECOLOTROL' ANTI-SIPHON, NON-FREEZE, 3/4 INCH SIZE NICKEL BRONZE CASING AND ALL BRONZE INTERIOR PARTS AND NON TURNING OPERATING ROD WITH FREE FLOATING COMPRESSION CLOSURE VALVE, NICKEL BRONZE FACE, INTEGRAL BACKFLOW PREVENTER, UNION ELBOW INLET, WALL CLAMP AND KEY HANDLE. BOX FACE AND HINGED COVER SHALL BE NICKEL BRONZE COMPLETE WITH OPERATING KEY AND 'WATER' CAST ON COVER.	
FS-1	ZURN		CAST IRON 12INCHX12INCHX10INCH SQUARE FLOOR SINK WITH 10 INCH SUMP, DEEP CAST IRON BODY AND SQUARE, LIGHT DUTY GRATE A.R.E. INTERIOR, ALUMINUM DOME STRAINER, AND 1/2 NICKEL BRONZE HINGED TOP. 1/2" TRAP PRIMER. VANDAL PROOF	
HB-1	WOODFORD MANUFACTURING COMPANY		WALL HYDRANT, BOX TYPE, WITH ASSE 12052 HIGH FLOW DOUBLE CHECK BACKFLOW PREVENTER. 3/4 INCH INLET AND OUTLET. 360 DEGREE INLET ORIENTATION. POLISHED BRASS FINISH. LOOSE KEY.	
HB-2	WOODFORD	79	BACKFLOW PROTECTED WALL HYDRANT, AUTOMATIC DRAIN, BRASS VALVE BODY, LOOSE KEY HANDLE.	
IM-1	IPS CORPORATION	88158	GUY GRAY, 11 5/8 INCH X 9 1/2 INCH, 1/2 INCH X 1/4 INCH COMPRESSION ANGLE VALVE, STEEL CONSTRUCTION.	
ORD-1	ZURN	Z100F	16" DIAMETER ROOF DRAIN. DURACOATED CAST IRON. UNDERDECK CLAMP. 2" OVERFLOW DAM.	
RD-1	ZURN	Z100F	16" DIAMETER MAIN ROOF DRAIN. DURACOATED CAST IRON. UNDERDECK CLAMP	

ALL CONDUCTORS #10 AND SMALLER SHALL BE SOLID COPPER THW, THHN, THWN, AND ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED COPPER USING BOLTED LUGS AT TERMINALS.

MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS OTHERWISE NOTED.

PULL ALL THE CONDUCTORS THROUGH RACEWAY AT THE SAME TIME.

MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED. SEE SPECS FOR CONDUIT REQUIREMENTS. ALL CONDUIT SHALL BE CONCEALED UNLESS OTHERWISE NOTED.

7. 6'-0" MAXIMUM LENGTH ON FLEXIBLE CONDUIT.

USE COMPRESSION FITTINGS ON CONDUIT, SET SCREW FITTINGS ARE NOT ALLOWED.

PROVIDE PULL STRING AND PROTECTIVE BUSHINGS IN ALL SPARE CONDUITS.

10. LABEL ALL CIRCUITS ON PANEL SCHEDULES.

11. TURN ALL UNUSED CIRCUIT BREAKERS TO OFF POSITION.

12. FIRE PROOF ALL PENETRATIONS MADE THROUGH FIRE RATED WALLS.

13. ALL DEVICES SHALL BE RATED 20 AMP MINIMUM, VERIFY COLOR WITH ARCHITECT.

14. CONNECT DEVICES BY WRAPPING WIRE AROUND SCREW TERMINAL IN A CLOCKWISE DIRECTION AND TIGHTEN SCREW, BACK-CONNECTED SPRING DEVICES ARE NOT ALLOWED.

15. ALL BOXES SHALL BE INDEPENDANTLY SUPPORTED TO THE BUILDINGS STRUCTURE.

16. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL ELEVATIONS AND MILLWORK DETAILS FOR EXACT LOCATIONS OF ALL WIRING DEVICES AND

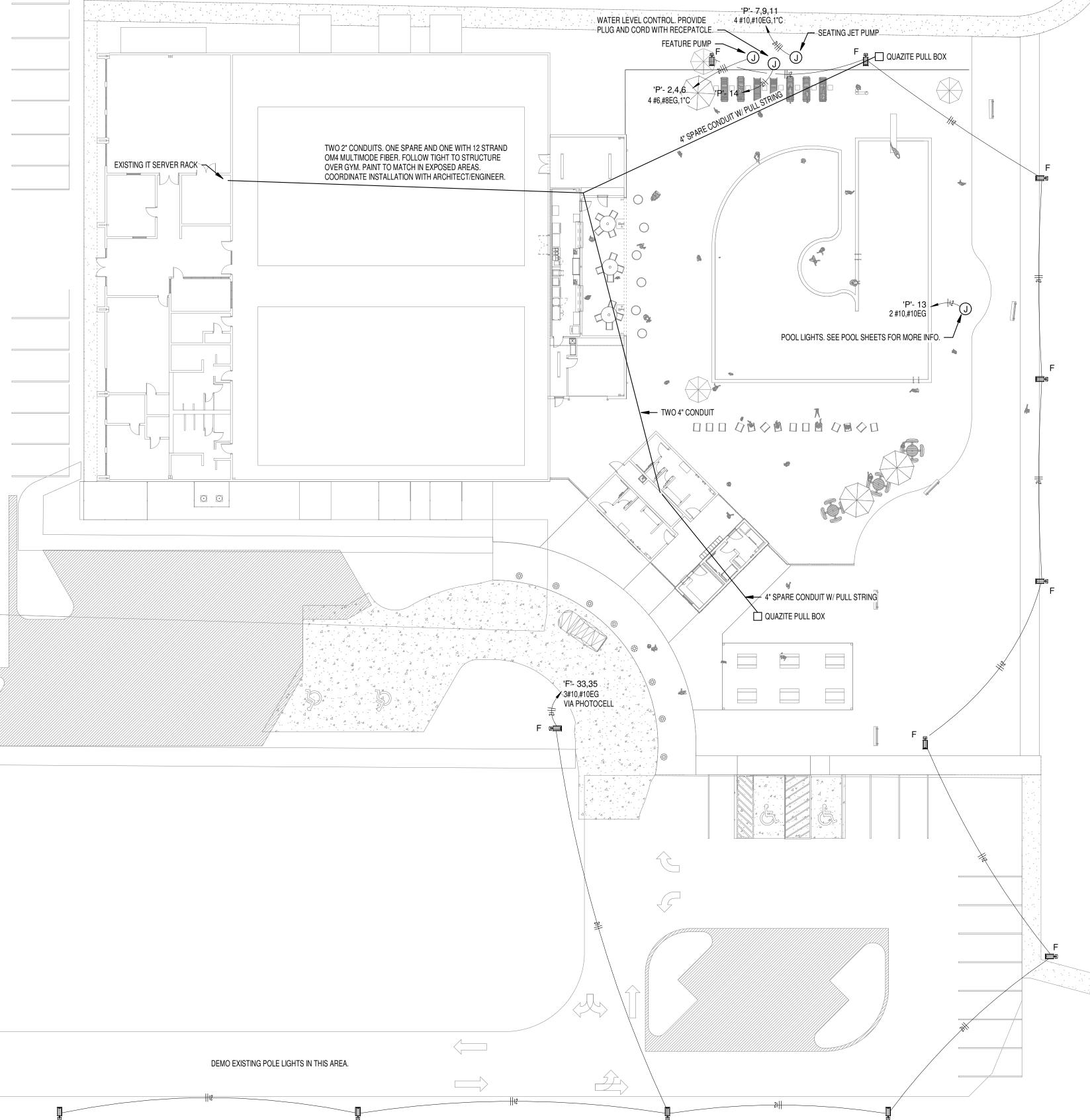
CONTRACTOR SHALL REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LAY-IN LIGHT FIXTURES.

18. THE SPECIFICATIONS ARE AS BINDING ON THE CONTRACTOR AS THE DRAWINGS. THE CONTRACTOR SHALL READ THE SPECIFICATIONS AND SHALL INCLUDE ALL ITEMS REQUIRED BY THE SPECIFICATIONS BEFORE SUBMITTING A BID.

ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE WITH MECHANICAL AND PLUMBING CONTRACTORS FOR EXACT LOCATION OF HVAC AND PLUMBING EQUIPMENT.

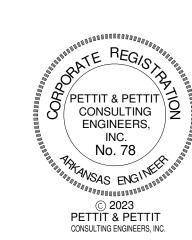
ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SIZING OF ALL MOTOR OVERLOAD DEVICES (HEATERS) IN STARTERS BASED ON ACTUAL NAMEPLATE RATINGS ON THE MOTOR BEING INSTALLED.

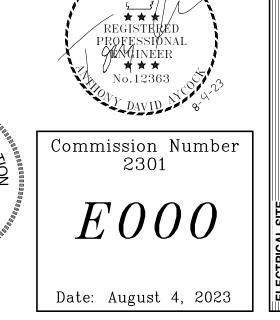
21. PROVIDE TAMPER RESISTANT DEVICES AS REQUIRED BY CODE.

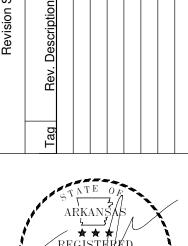


SCALE: 1" = 20'-0"

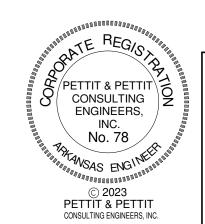


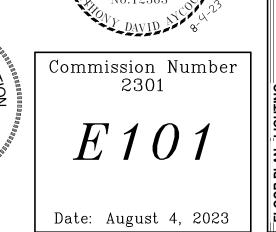




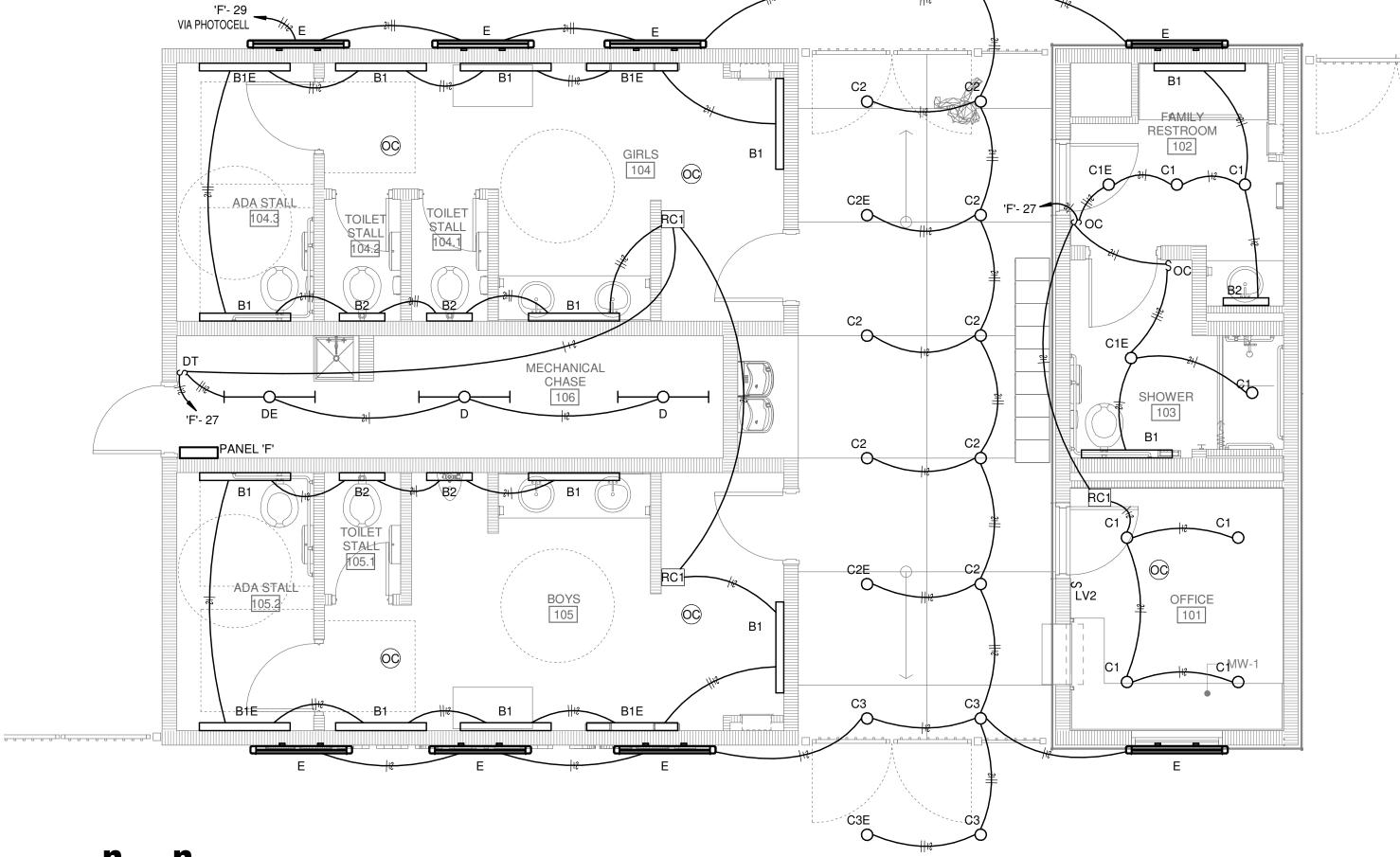


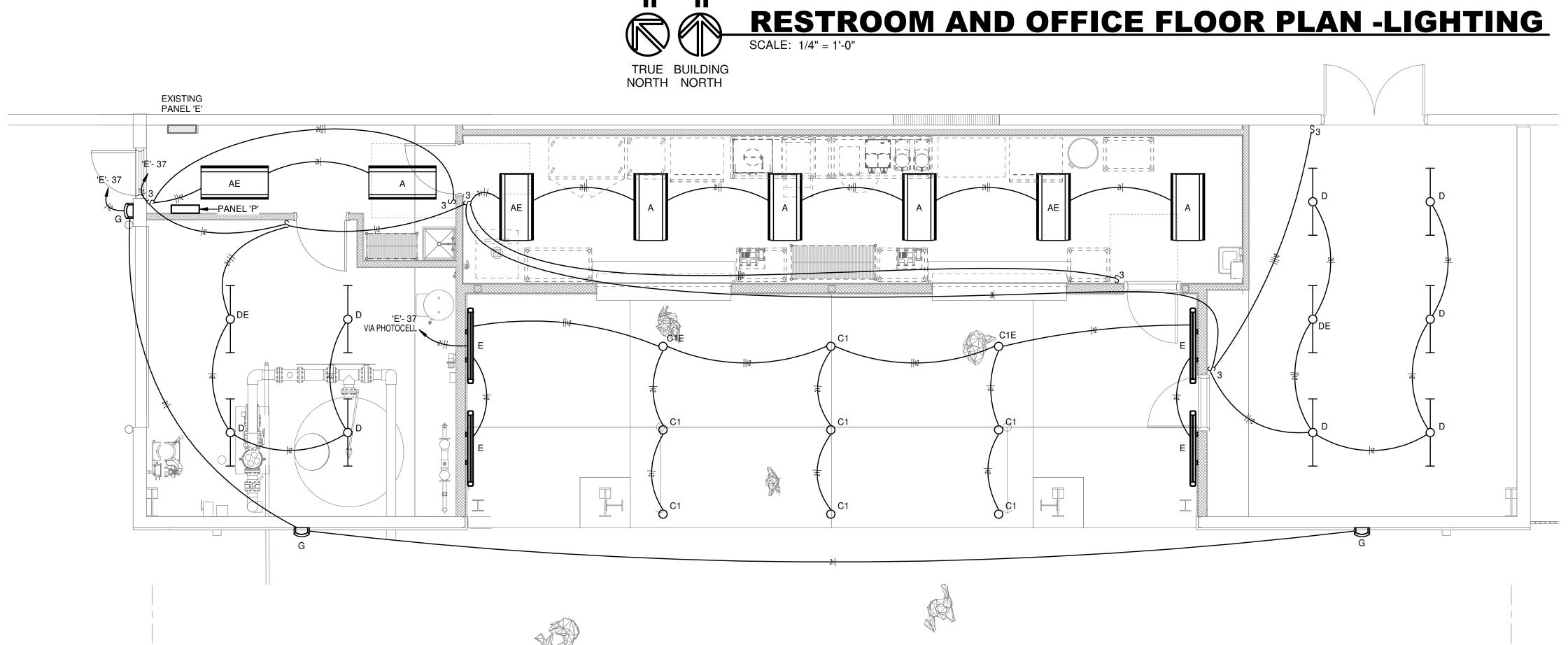


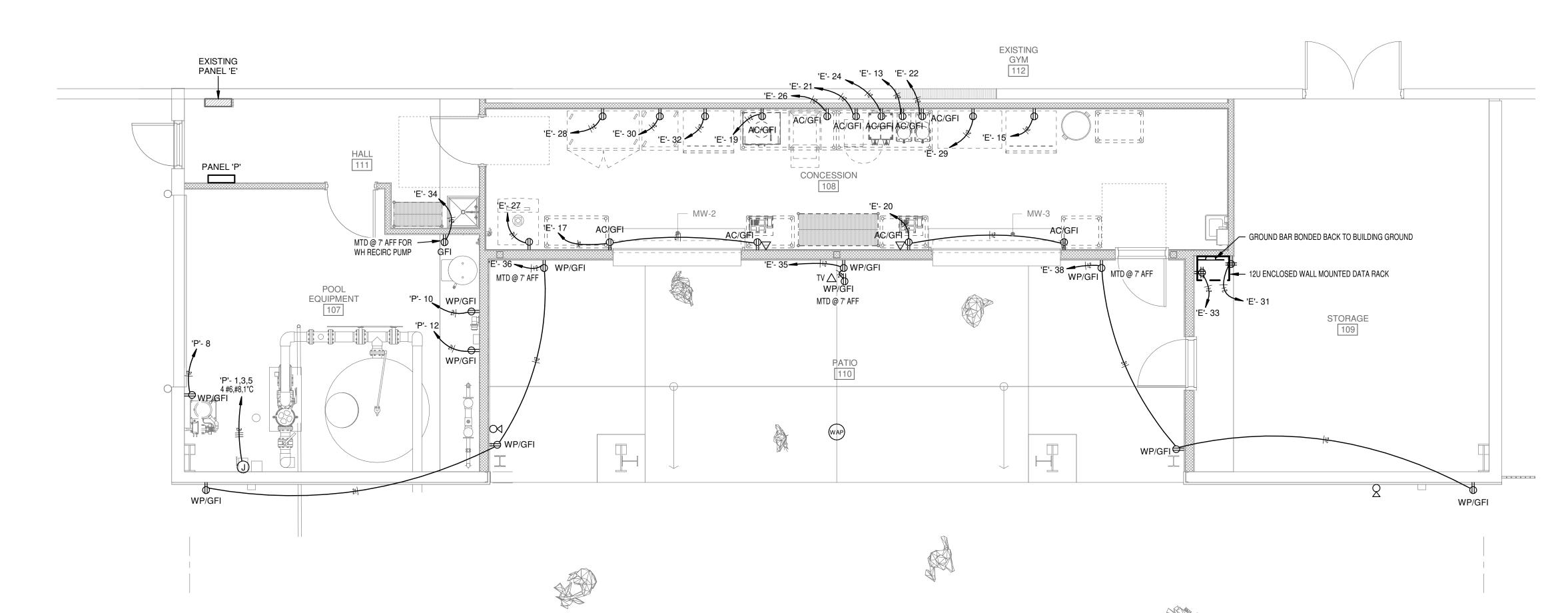










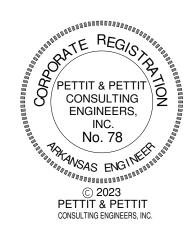


CONCESSION AND EQUIPMENT FLOOR PLAN - POWER

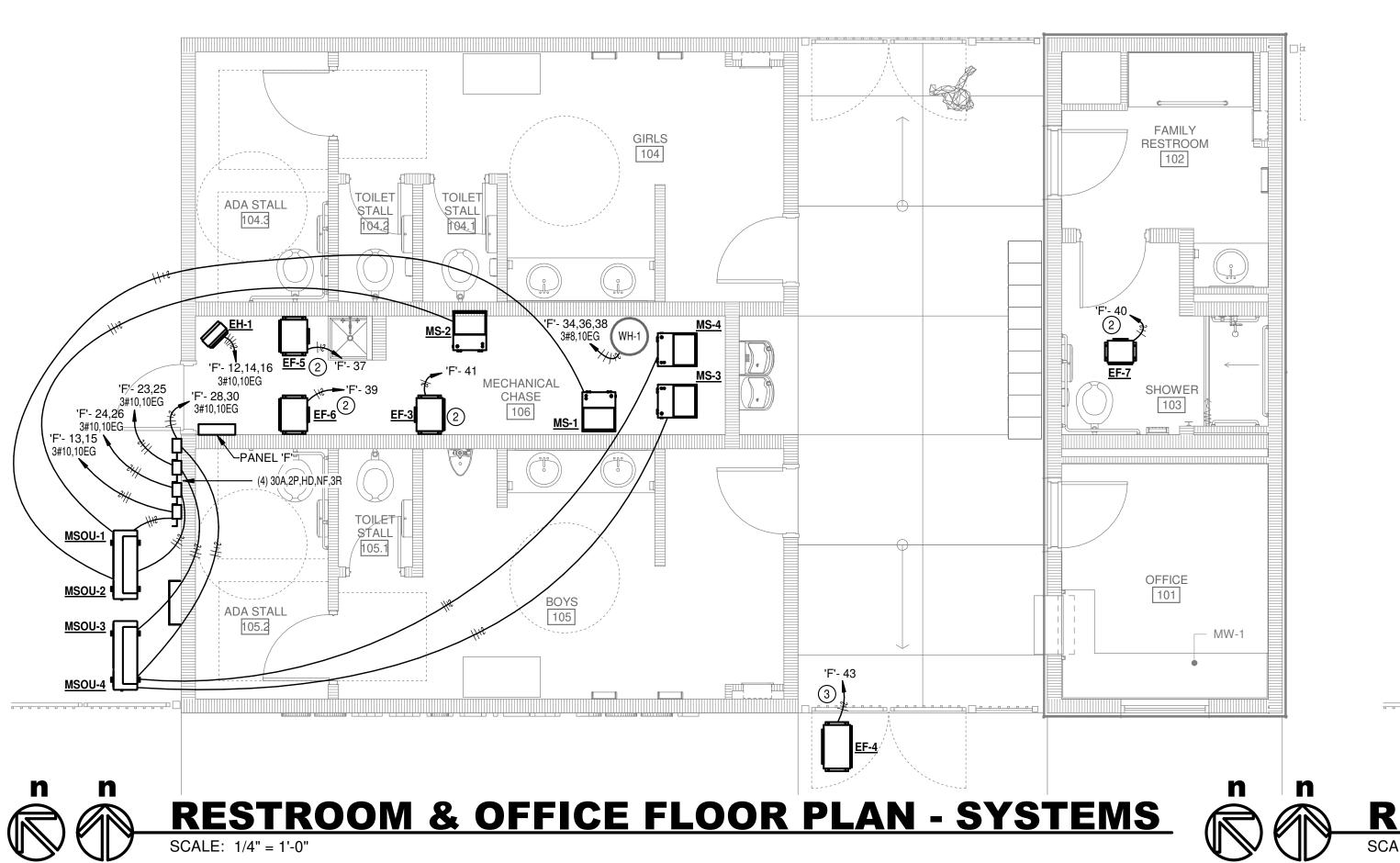
SCALE: 1/4" = 1'-0"

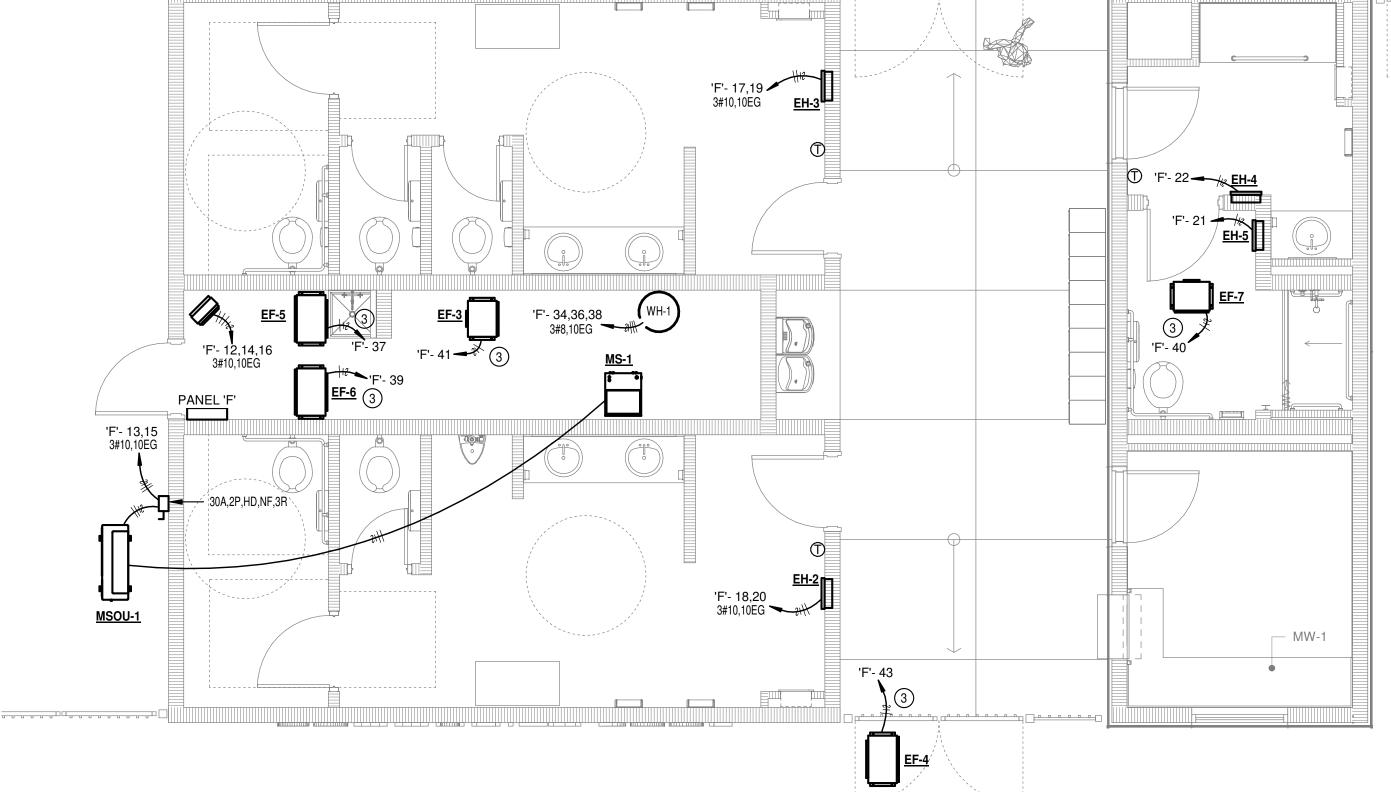
CENTER POOL





Commission Number 2301 E102 Date: August 4, 2023





RESTROOM AND OFFICE FLOOR PLAN - SYS. DEDUCTIVE ALT.

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

PROFESSIONAL
PROFESSIONAL
NO.12363
No.12363

Commission Number

E103

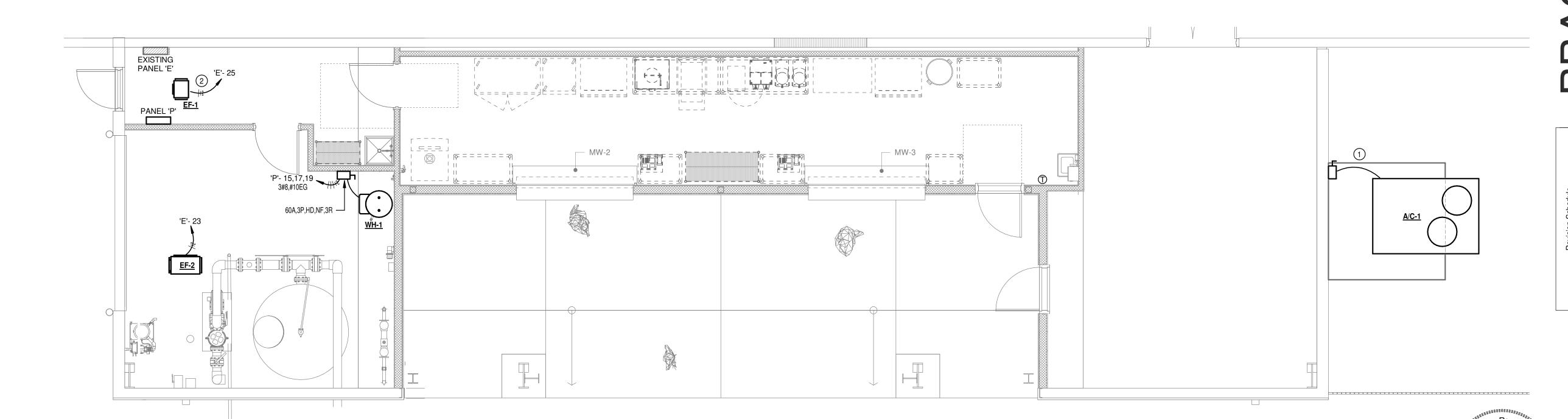
Date: August 4, 2023

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SYSTEMS KEYED NOTES

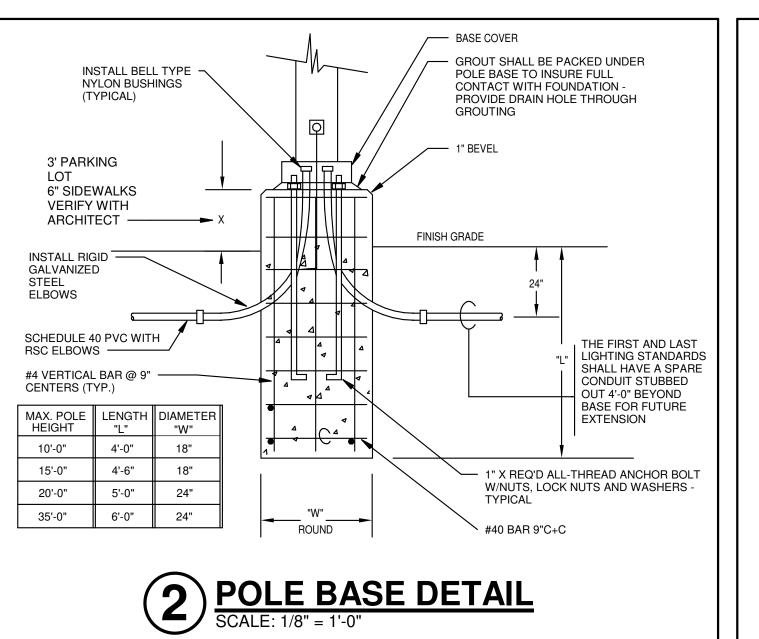
- EXISTING UNIT TO BE REPLACED WITH THE SAME SIZE. DISCONNECT EXISTING AND F ALTERNATE FOR THE EXISTING HVAC UNIT TO REMAIN.
- EXHUAST FAN SHALL BE WIRED THROUGH A CONTACTOR CONTROLLED BY LIGHTING CONTROLS FOR RESPECTIVE SPACE THE FAN IS EXHAUSTING. SEE MECHANCIAL FOR MORE INFO.
- (3) WIRE LINE VOTLAGE THERMOSTAT TO RESPECTIVE EXHAUST FAN. SEE MECHANCIAL FOR MORE INFO.

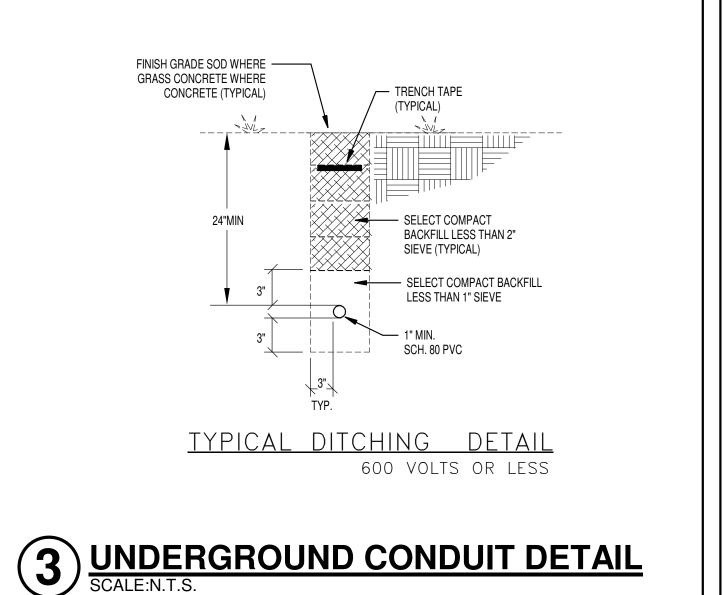


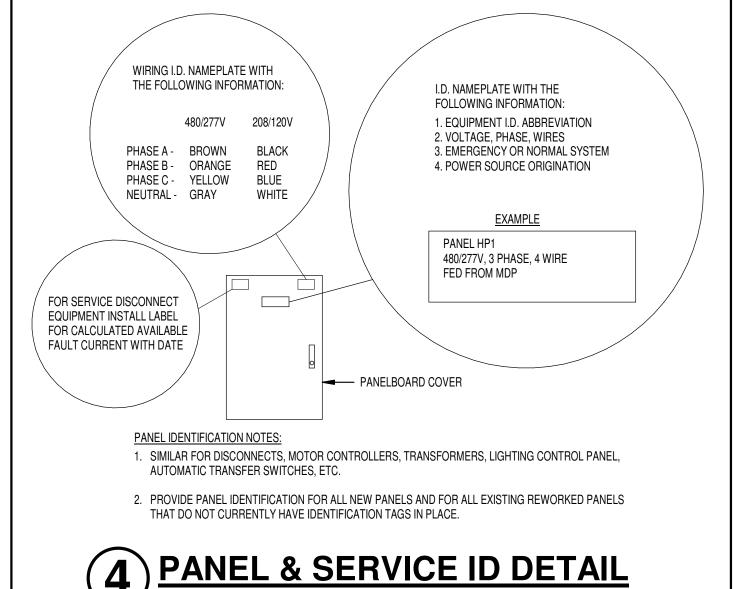
TRUE BUILDING NORTH



TRUE BUILDING NORTH NORTH



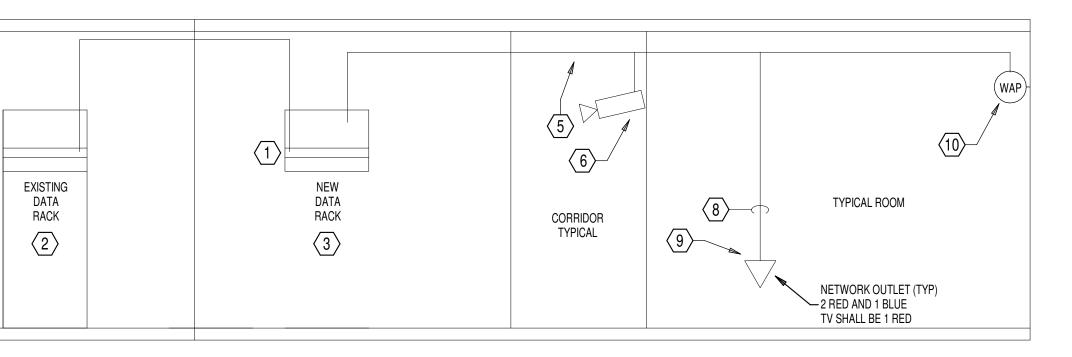




DATA RISER KEYED NOTES:

- 1 PROVIDE AND INSTALL NEW PATCH PANELS IN THE NEW RACK.
- 2 EXISTING DATA RACK. CONNECT NEW RACK WITH 12 STRAND OM4 FIBER WITH LC CONNECTORS. PROVIDE LIU/FIBER PATCH AS NEEDED.
- 3 NEW WALL MOUNTED 12U ENCLOSED RACK
- TWO 4" UL LISTED, FIRE RATED CABLE PENETRATIONS EQUAL TO WIREMOLD FLAMESTOPPER AT ALL FIRE RATED PARTITIONS.
- 5 3/4" MINIMUM CONDUIT 6 OWNER PROVIDED AND CONTRACTOR INSTALLED CAMERA. TYPICAL CAMERA LOCATIONS, REFER TO PLANS FOR NUMBER, LOCATIONS, AND MOUNTING. PROVIDE CONDUIT PATHWAY, TERMINATED GRAY CAT6 CABLE WITH 6' OF SLACK. VERIFY LOCATIONS
- AND QUANTITY WITH OWNER PRIOR TO INSTALLATION.
- $\langle 7 \rangle$ NOT USED
- $\langle 8 \rangle$ 3/4" EMT CONDUIT DROP DOWN FOR NETWORK CABLING.
- 9 TYPICAL DATA OUTLET, REFER TO PLANS FOR NUMBER AND LOCATION OF DROPS.
- (10) WALL MOUNTED WIRELESS ACCESS POINT. 1 RED DATA DROP WITH 6' OF SLACK. VERIFY MOUNTING HEIGHTS WITH THE OWNER PRIOR TO THE INSTALLATION.

CABLING SHALL BE AS FOLLOWS: FOUR PAIR, CAT6, 24 AWG, UNSHIELDED TWISTED PAIR, PLENUM RATED CABLE SHALL TERMINATE AT SERVER ROOM 245 ON THE SECOND FLOOR, ALL NEW CABLING SHALL BE INSTALLED CONCEALED ABOVE CEILING AND WITHIN WALLS.



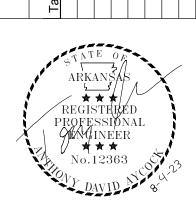


	SYMBOL	LEGE	ND
Ψ	DUPLEX RECEPTACLE AT 18" A.F.F.	IAM	INDIVIDUAL ADDRESSABLE MODULE
	GFI - GROUND FAULT CIRCUIT INTERUPTER AC - MOUNTED ABOVE COUNTER	ZAM	ZONE ADAPTER MODULE
	BC - MOUNTED BELOW COUNTER WP - PROVIDED WITH WEATHERPROOF IN-USE TYPE COVER	RI	REMOTE INDICATOR
*************************************	QUADRUPLEX RECEPTACLE	DН	DOOR HOLDER
Ψ	SPECIAL PURPOSE RECEPTACLE NEMA CONFIGURATION SHOWN ON PLAN	FCR	FIRE ALARM CONTROL RELAY
\Box	DUPLEX RECEPTACLE - FLOOR MOUNTED	HD	HEAT DETECTOR
	QUADRUPLEX RECEPTACLE FLOOR MOUNTED	(SD)	SMOKE DETECTOR
$\overline{\nabla}$	DATA OUTLET - NUMBER OF JACKS SHOWN ON PLAN	HCD	COMBINATION HEAT/CARBON MONOXIDE DETECTOR
∇	VOICE OUTLET - NUMBER OF JACKS SHOWN ON PLAN	SCD	COMBINATION SMOKE/CARBON MONOXIDE DETECTOR
 ∇ _{#D}	DATA OUTLET - FLOOR MOUNTED - NUMBER OF	(CD)	CARBON MONOXIDE DETECTOR
# _V	JACKS SHOWN ON PLANS VOICE OUTLET - FLOOR MOUNTED - NUMBER OF		MANUAL PULL STATION
WAPI #D	JACKS SHOWN ON PLANS WIRELESS ACCESS POINT - NUMBER OF JACKS	RA	FIRE ALARM REMOTE ANNUNCIATOR
(J)	SHOWN ON PLANS JUNCTION BOX	TS	TAMPER SWITCH
\$	SINGLE POLE TOGGLE SWITCH AT 48" A.F.F. TYPICAL	FS	WATER FLOW SWITCH
Į.	2 - INDICATES 2-POLE TOGGLE 3 - INDICATES 3-WAY TOGGLE	S _{D-SA}	AIR SAMPLING SUPPLY
	4 - INDICATES 4-WAY TOGGLE D - DIMMER K - KEY OPERATED LV* - LOW VOLTAGE PUSH BUTTON SWITCH, * = NUMBER OF BUTTONS M - MOTOR RATED TOGGLE OC - DUAL TECHNOLOGY OCCUPANCY SENSOR SWITCH	S _{D-RA}	
		RT RT	DUCT SMOKE DETECTOR REMOTE TEST
		S	STATION DUCT MOUNTED SMOKE DETECTOR
	WP - WEATHERPROOF COVER	D Ecd	FIRE ALARM AUDIO/VISUAL APPLIANCE
×++×	BRANCH CIRCUIT HOMERUN HOT-NETURAL-GROUND	cd F	CANDELA RATING AS SHOWN ON PLANS FIRE ALARM VISUAL ONLY APPLIANCE
	PANEL AND CIRCUIT NUMBER INDICATED ON PLAN PANELBOARD	cd	CANDELA RATING SHOWN ON PLANS MOTOR STARTER/DISCONNECT SWITCH/VFD
	DISCONNECT SWITCH		MOTOR STARTER
	DIGGORIALOT GIVITOTI	OC) ₁	DUAL TECHNOLOGY OCCUPANCY SENSOR
Т	DRY-TYPE TRANSFORMER	$\bigcirc 00$	CEILING/WALL MOUNTED EQUAL TO ***** PIR OCCUPANCY SENSOR CEILING/WALL MOUNTED EQUAL TO
[IC]	INTERCOM CALL STATION	$\bigcirc \bigcirc $	***** ULTRASONIC OCCUPANCY SENSOR CEILING MOUNTED
(IS)	INTERCOM SPEAKER		EQUAL TO ***** ULTRASONIC OCCUYPANCY SENSOR CEILING MOUNTED
	INTERCOM HORN SPEAKER	OC) ₄	EQUAL TO ***** ULTRASONIC OCCUPANCY SENSOR CEILING MOUNTED
DC [IS]	DOOR CONTACTS	$\begin{array}{c c} & \begin{array}{c} \begin{array}{c} \\ \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \begin{array}{c} \\ \end{array} \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \end{array} \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \end{array} \\ \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \end{array} \\ \\ \\ \end{array} \\ \\ \end{array} \\ \begin{array}{c} \\ \\ \\ \\ \end{array} \\ \\ \\ \\ \end{array} \\ \\ \\ \\ \\ \\ \end{array} \\ \\ \\ \\ \\ \\ \\ \\ \end{array} \\$	EQUAL TO ****** PIR OCCUPANCY SENSOR CEILING MOUNTED EQUAL TO
MS	MOTION SENSOR	RC1	LIGHTING ROOM CONTROLLER SINGLE RECEPT EQUAL TO
PS	POWER SUPPLY	RC2	LIGHTING ROOM CONTROLLER DUAL RECEPT EQUAL TO *****
	REQUEST FOR EXIT PUSH BUTTON	RC3	LIGHTING ROOM CONTROLLER TRIPLE RECEPT EQUAL TO
REX	VIDEO SURVEILLANCE CAMERA		OCCUPANCY SENOR POWER PACK EQUAL TO *****
		PP	
G —	GROUND BAR	ELCU	EMERGENCY LIGHTING CONTROL UNIT EQUAL TO *****



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PETTIT & PETTIT CONSULTING ENGINEERS, INC.
No. 78

Panelboard:				VC	DLTAGE:	120/208 Wye	COPPER BUS RATING:			: 225 /	A MA	INS TYPE:	
	LOCATION	I: HALL 1	11		PHASE:	3		GROU	ND BUS:	· · · · · · · · · · · · · · · · · · ·	MCI	B RATING:	
	MOUNTING: SURFACE			WIRES: 4			MIN	MUM A.I.C.	RATING:	:	F	ED FROM:	
	ENCLOSURE: TYPE 1			MFR. AND TYPE: SQUARE D			SUBFEED LUGS:				NEUTRA RATING		
Circuit Number	Load Name	•	BRKR		A	E	3	С	;	BRKR	Loa	ad Name	Circuit Number
1				5800	5800								2
3	CIRCULATION F	PUMP	90/3			5800	5800			90/3	PLAY FE	ATURE PUMP	4
5								5800	5800				6
7				1333	1800					20/1	*CHLC	DRINATOR*	8
9	SPA JET PUN	/IP	20/3			1333	1000			20/1	*CHEMIC	CHEMICAL CONTROL*	
11								1333	1000	20/1	*ACID	CONTROL*	12
13	*POOL LIGHTII	NG*	20/1	750	750					20/1	*WATER L	VEL CONTRO	L* 14
15						4100	0			20/1	5	SPARE	16
17	WH-1		45/3					4100	0	20/1	5	SPARE	18
19				4100	0					20/1	5	SPARE	20
21	SPARE		20/1			0	0			20/1	SPARE		22
23	SPARE SPARE		20/1					0	0	20/1	S	SPARE	24
·	Total Load:		1	203	33 VA	1803	3 VA	18033	3 VA				'
	Total Amps	:		16	69 A	150	0 A	150	Α				
Load C	Classification	Connected	d Load		Demand	Factor	Estima	ted Demand	i	Panel	Totals		
Red H Exis	Lighting Ceptacles HVAC Power Other Motor Heating Sting Load	0 VA 0 VA 12300 V 44100 V 0 VA 0 VA 0 VA	VA VA		0.00 0.00 100.0 100.0 0.00 0.00 0.00	% 0% 0% % %		0 VA 0 VA 2300 VA 1100 VA 0 VA 0 VA 0 VA	т	Total Connected Total Estimated Del Total Connected Cu Total Est. Demand Cu		56 ² 1	100 VA 100 VA 57 A 57 A
	Notes:			•	* BDEA	KER * - GFI PR	OTECTED	RREAKER	•				

	LOCATION:			VOLTAGE: 120/208 Wye			COPPER BUS RATING: 225 A				MAINS TYPE:		
	LOCATION.	MECHANICAL CHASE 106		PHASE:	3		GROU	IND BUS:		MCB RA			
	MOUNTING:	SURFACE		WIRES:	4	MIN	MUM A.I.C.	RATING:		FED F			
	ENCLOSURE:	Type 1	MFR. AN	ID TYPE:	SQUARE D NQ OR NF		SUBFEE	D LUGS:		NEUTRAL RATING:			
Circuit lumber	Load Name	BRKR	BRKR A B C BRKR Load Name		ime	Circui							
1	RECEPT	20/1	360	360					20/1	RECE	PT	2	
3	RECEPT	20/1			360	540			20/1	RECE	PT	4	
5	RECEPT	20/1					540	720	20/1	RECE	PT	6	
7	* HAND DRYER *	20/1	1200	1200					20/1	* HAND DF	YER *	8	
9	* HAND DRYER *	20/1			1200	1200			20/1	* HAND DF	YER *	10	
11	* HAND DRYER *	20/1					1200	5000				12	
13	MSOU-1,MS-1	30/2	2080	0					25/3	EH-1		14	
15	IVISOU-1,IVIS-1	30/2			2080	0						16	
17	**EH-3**	05/0					2000	2000	05/0	**[11.0	**	18	
19	EH-3	25/2	2000	2000					25/2	**EH-2**		20	
21	**EH-5**	20/1			1200	1800			20/1	**EH-4**		22	
23	***************	** 00/0					2080	2080	00/0	***MSOU-2,MS-2***		24	
25	***MSOU-3,MS-3*	** 30/2	2080	2080					30/2	^^^MSOU-2,I	VIS-2^^^	26	
27	LIGHTING	20/1			657	2080			00/0	*********	10 4***	28	
29	LIGHTING	20/1					640	2080	30/2	***MSOU-4,I	VIS-4***	30	
31	RECEPT	20/1	360	360					20/1	RECEPT		32	
33					780	4133					WH-1	34	
35	SITE LIGHTING	20/2					780	4133	45/3	WH-1		36	
37	EF-5	15/1	72	4133								38	
39	EF-6	15/1			204	200			15/1	EF-7		40	
41	EF-3	15/1					205	180	20/1	RECEPT - GFI	BREAKER	42	
43	EF-4	15/1	500	0					20/1	SPAR	 E	44	
45		20/1				0			20/1	SPAR		46	
47		20/1						0	20/1	SPAR	 E	48	
49		20/1		0					20/1	SPAR		50	
51		20/1		-		0			20/1	SPAR		52	
53		20/1						0	20/1	SPAR		54	
55		20/1		0					20/1	SPAR		56	
57		20/1				0			20/1	SPAR		58	
59		20/1				<u> </u>		0	20/1	SPAR		60	
	Total Load:	20/1	197	85 VA	1643	4 VA	23638			517111	_		
	Total Amps:			60 A	137		2000						
I nad Clas		Connected Load		Demand			ted Demand		Panel To	ntals			
Ligh	nting	1297 VA		125.0	0%	1	621 VA		Total Con	nected Load:	58858		
Receptacles 3780 VA HVAC 32640 VA		3780 VA		100.00			780 VA		Total Estima		59182		
				100.00 100.00			2640 VA 9581 VA		Total Connector otal Est. Dem		163 A 164 A		
	Power 19581 VA Other 1560 VA			100.0			560 VA	'	olai E31. DUIII	and Guileill.	104 F	1	
Mo		0 VA		0.00	ŀ	•	0 VA						
Hea		0 VA		0.00	l l		0 VA						
Existin	_	0 VA	0.00%			0 VA 0 VA							

*** BREAKER *** - BREAKER REMOVED IN ADD ALTERNATE





