-Scope of Work Drawings to Follow-

POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

INDEX TO DRAWINGS

LOCATION MAP

NOT TO SCALE

PLUMBING, MECHANICAL & ELECTRICAL
MEP DESIGN ENGINEERS, INC.
5236 OLD NORCROSS RD
NORCROSS GA 30071
770 441 0224
MOSHEN MOSTAJABI, PE

CURRENT CODES AS ADOPTED BY GEORGIA DCA- MANDATORY CODES

-INTERNATIONAL BUILDING CODE ,2012 EDITION WITH GEORGIA AMENDMENTS 2014, 2015,2017

-INTERNATIONAL RESIDENTIAL CODE, 2012 EDITION WITH GEORGIA AMENDMENTS 2014 AND 2015

-INTERNATIONAL FIRE CODE, 2012 EDITION WITH GEORGIA AMENDMENTS 2014 & 2015

-INTERNATIONAL PLUMBING CODE, 2012 EDITION WITH GEORGIA AMENDMENTS 2014& 2015

-INTERNATIONAL MECHANICAL CODE, 2012 EDITION WITH GEORGIA AMENDMENTS 2014&2015

-INTERNATIONAL FUEL GAS CODE, 2012 EDITION WITH GEORGIA AMENDMENTS 2014 &2015

-NATIONAL ELECTRICAL CODE, 2014 EDITION

INTERNATIONAL ENERGY CONSERVATION CODE, 2009 EDITION WITH GEORGIA SUPPLEMENTS & AMENDMENTS 2011, 2012

NFPA NATIONAL FIRE CODES AS ADOPTED BY THE GEORGIA STATE FIRE MARSHAL INCLUDING 20012 EDITION NFPA 101 LIFE SAFETY CODE WITH GEORGIA AMENDMENTS

GEORGIA HANDICAP ACCESSIBILITY CODE, GSFC RULES & REGULATIONS - ADOPTED BY REFERENCE ADA 2010 STANDARDS FOR ACCESSIBLE DEGIGN

WRIGHT MITCHELL
& ASSOCIATES INC
ARCHITECTS

1174 GRIMES BRIDGE ROAD
SUITE 300
ROSWELL GA 30075
T - 770 998 8059
F - 770 998 6591
wmarchpc@bellsouth.net

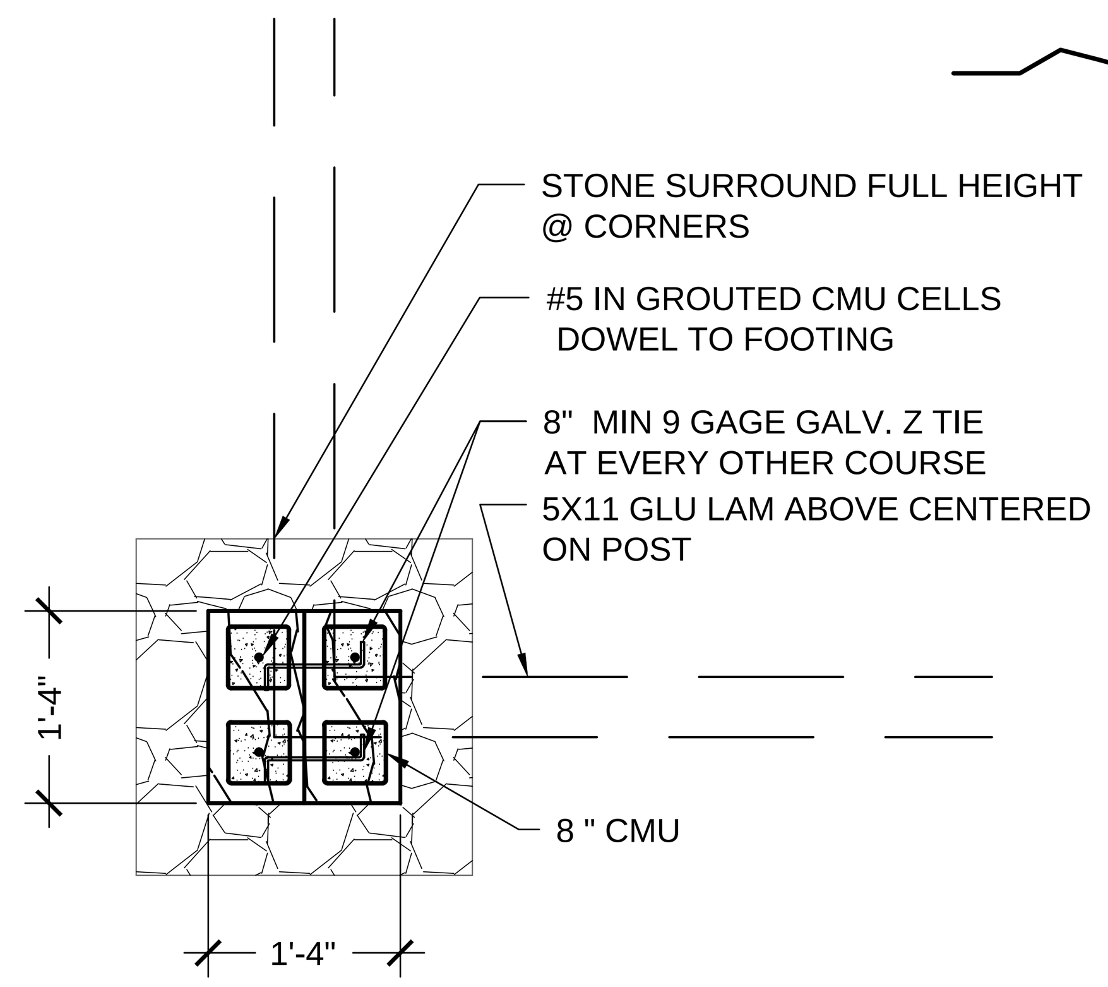
ARCHITECT OF RECORD: MICHAEL G MITCHELL
GA REG# 3858

THE ARCHITECT WILL BE PERFORMING CONTRACT ADMINISTRATION

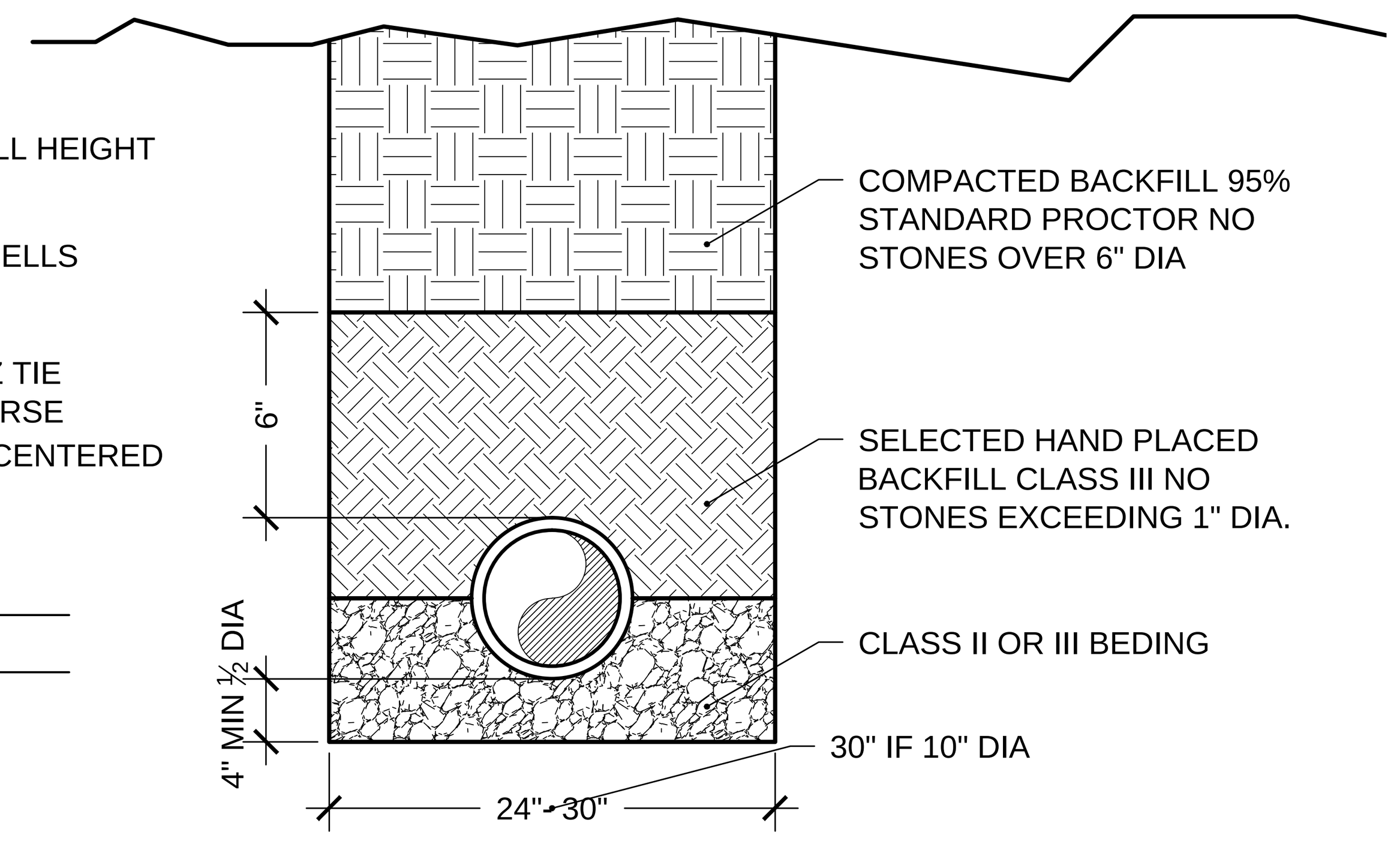
Project No : 17.013
Date : 09-15-2017

Sheet No
A-0.1

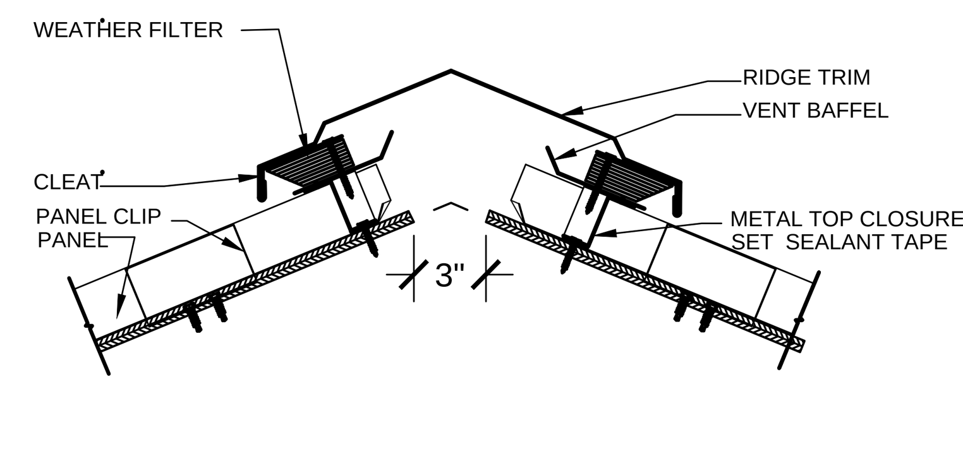
17-013



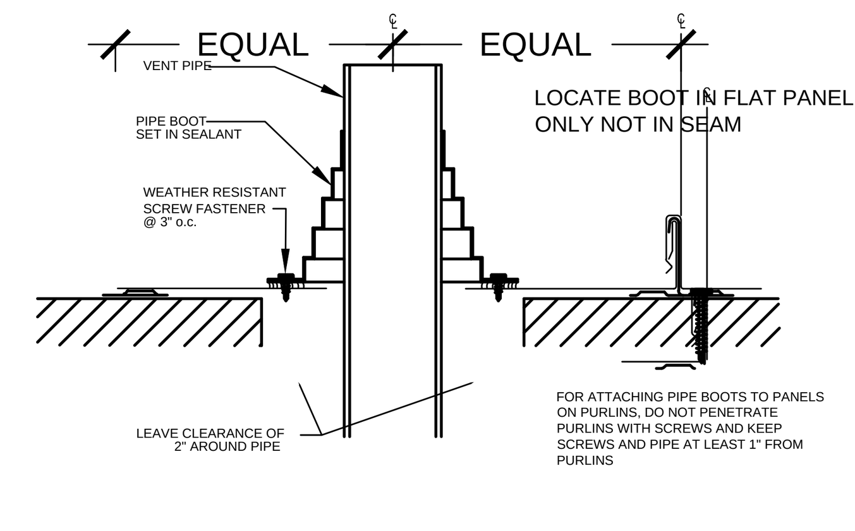
1 DETAIL CMU POST
SCALE = 3/4" = 1'-0"



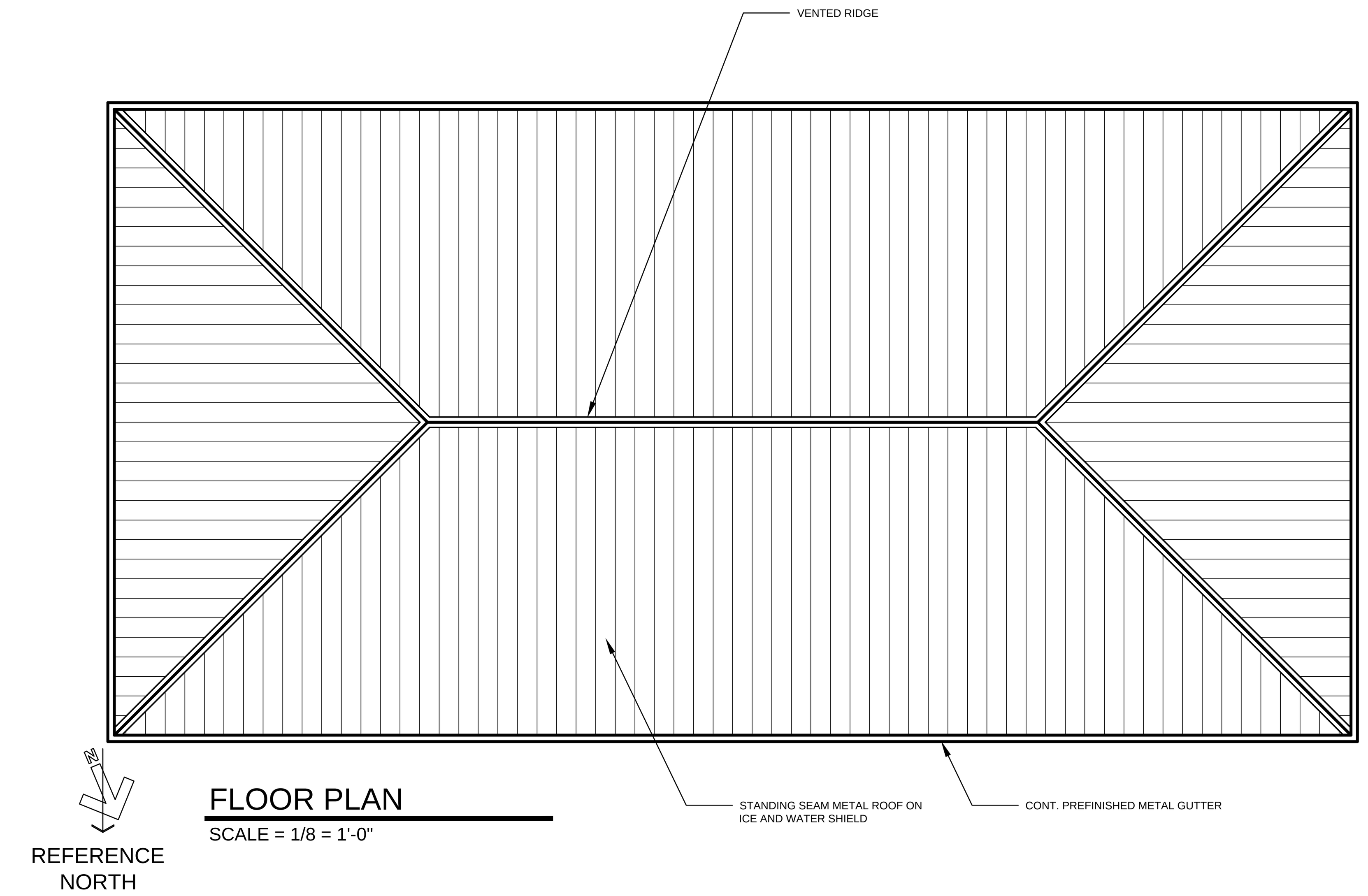
4 PVC PIPE BEDDING
SCALE = 3/4" = 1'-0"



2 VENTED RIDGE DETAIL
SCALE = 1 1/2" = 1'-0"



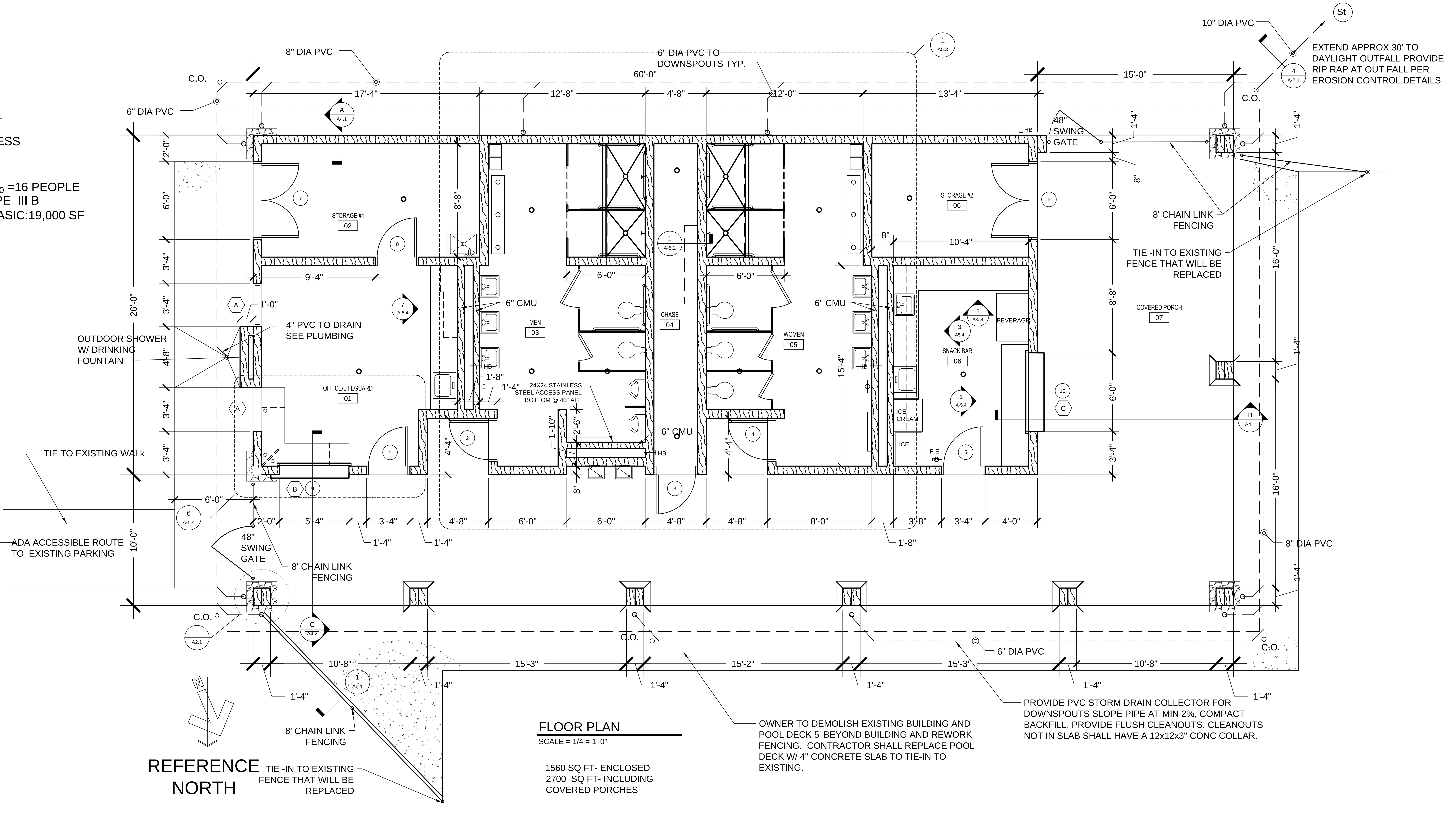
1 PIPE FLASHING
SCALE = 1 1/2" = 1'-0"



FLOOR PLAN
SCALE = 1/8 = 1'-0"

CODE INFORMATION:

OCCUPANCY: BUSINESS
AREA: 1560 SF
STORIES: 1
OCCUPANT LOAD: $^1/_{100}$ =16 PEOPLE
CONSTRUCTION: TYPE III B
ALLOWABLE AREA BASIC:19,000 SF



FLOOR PLAN
SCALE = 1/4 = 1'-0"

1560 SQ FT- ENCLOSED
2700 SQ FT- INCLUDING COVERED PORCHES

POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

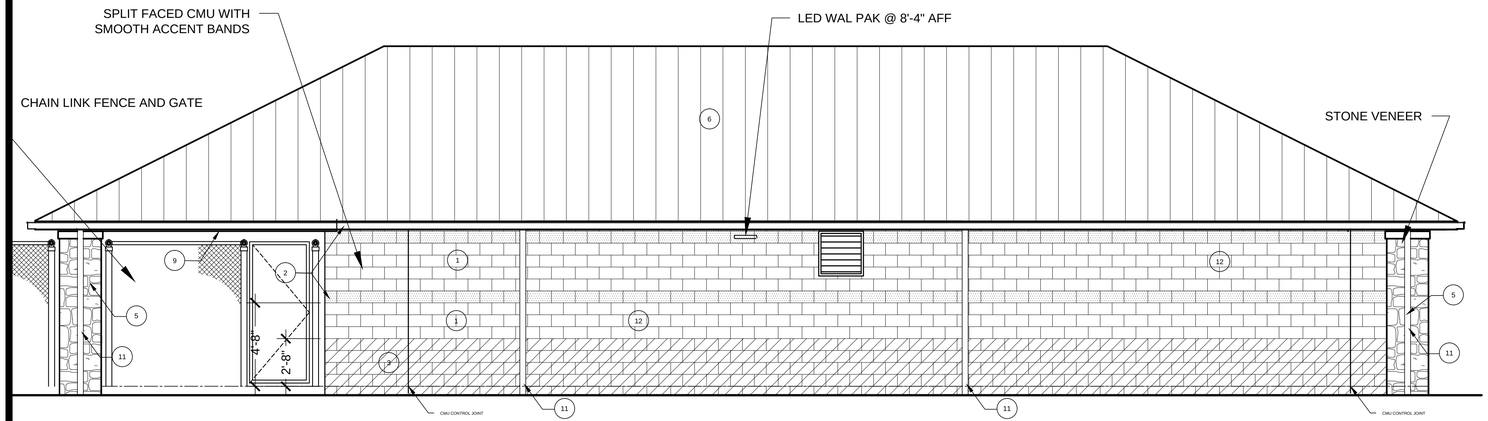
Drawn	mgm
Checked	M. MITCHELL
Date	09-15-2017
Project	17-013

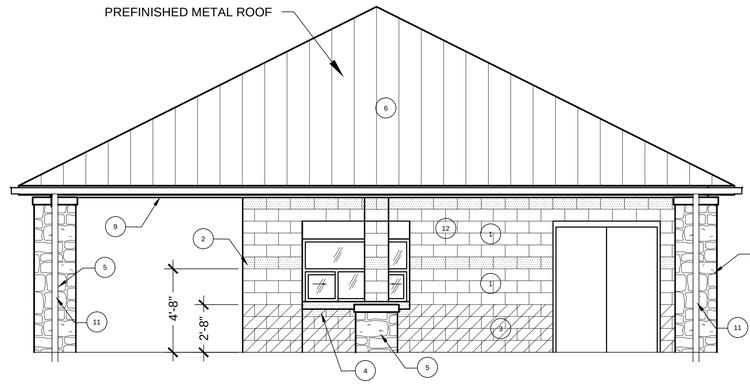
Sheet Number
A-2.1
Of Sheets

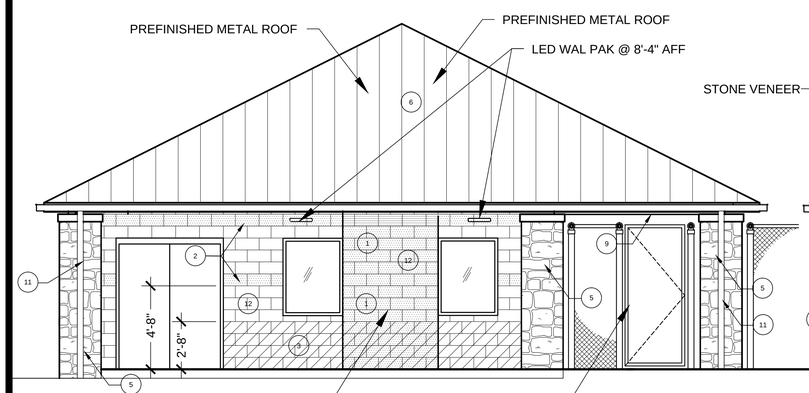
Date Printed 09.22.17 10:49 AM

KEY- EXTERIOR MATERIALS

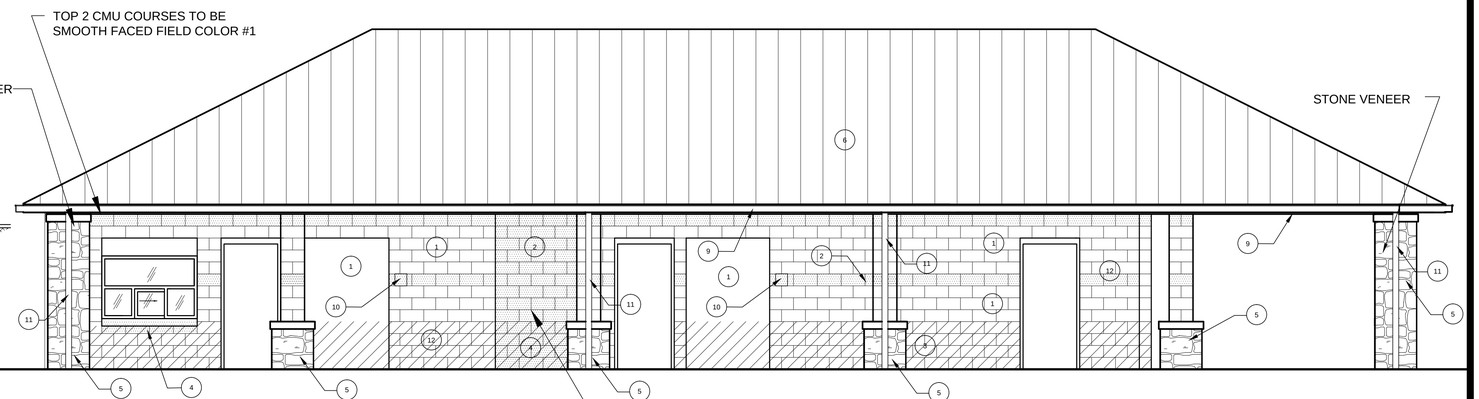
1	SPLIT FACED CMU FIELD COLOR#1
2	SMOOTH FACED CMU FIELD COLOR #1
3	SPLIT FACED CMU ACCENT COLOR #2 TO 2'-8" AFF
4	SMOOTH FACED CMU ACCENT COLOR#2
5.	FABRICATED STONE VENEER ON CMU W/ CAP STONE
6	PREFINISHED METAL ROOFING- MEDIUM BRONZE
7	PREFINISHED METAL TRIM
8	CMU CONTROL JOINT SEE DETAIL 1/A3.1
9	GLU-LAM BEAM PAINTED
10	SIGN MOUNTED AT 5' AFF TO CENTER
11	PREFINISHED METAL DOWNSPOUT
12	SPRAY APPLIED DAMP-PROOFING TO ALL EXTERIOR CMU
13	LED WAL PAK MOUNTED @ 8'-4" AFF







EAST ELEVATION
SCALE = 1/4 = 1'-0"



NORTH ELEVATION
SCALE = 1/4 = 1'-0"

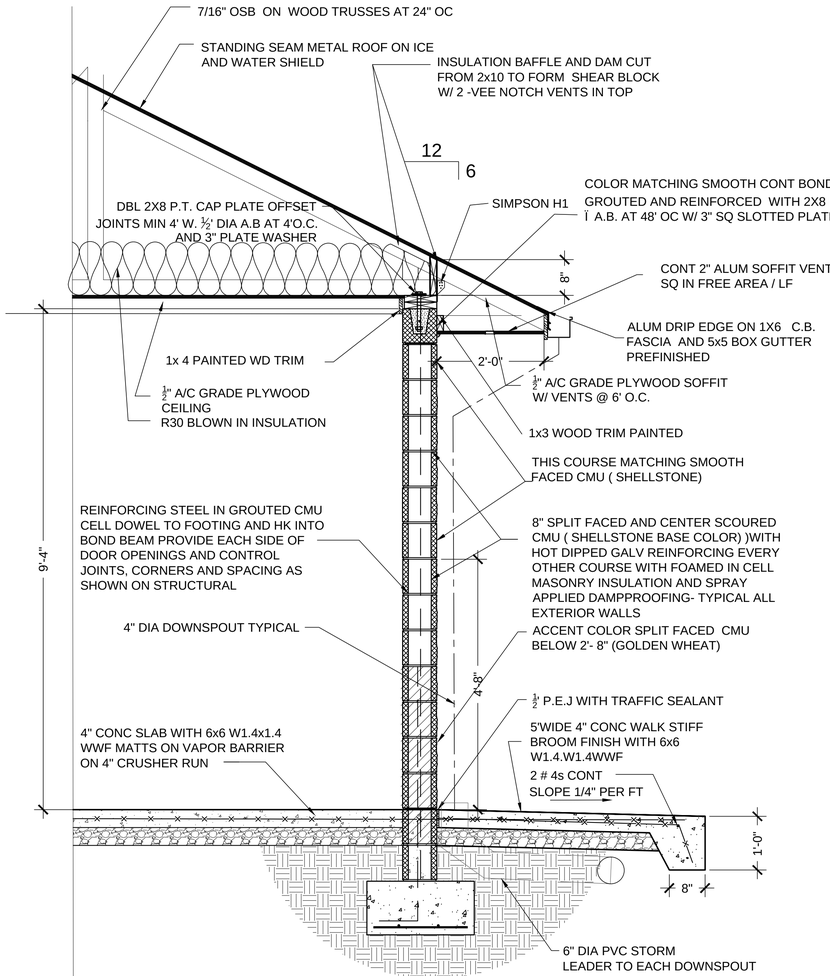
POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

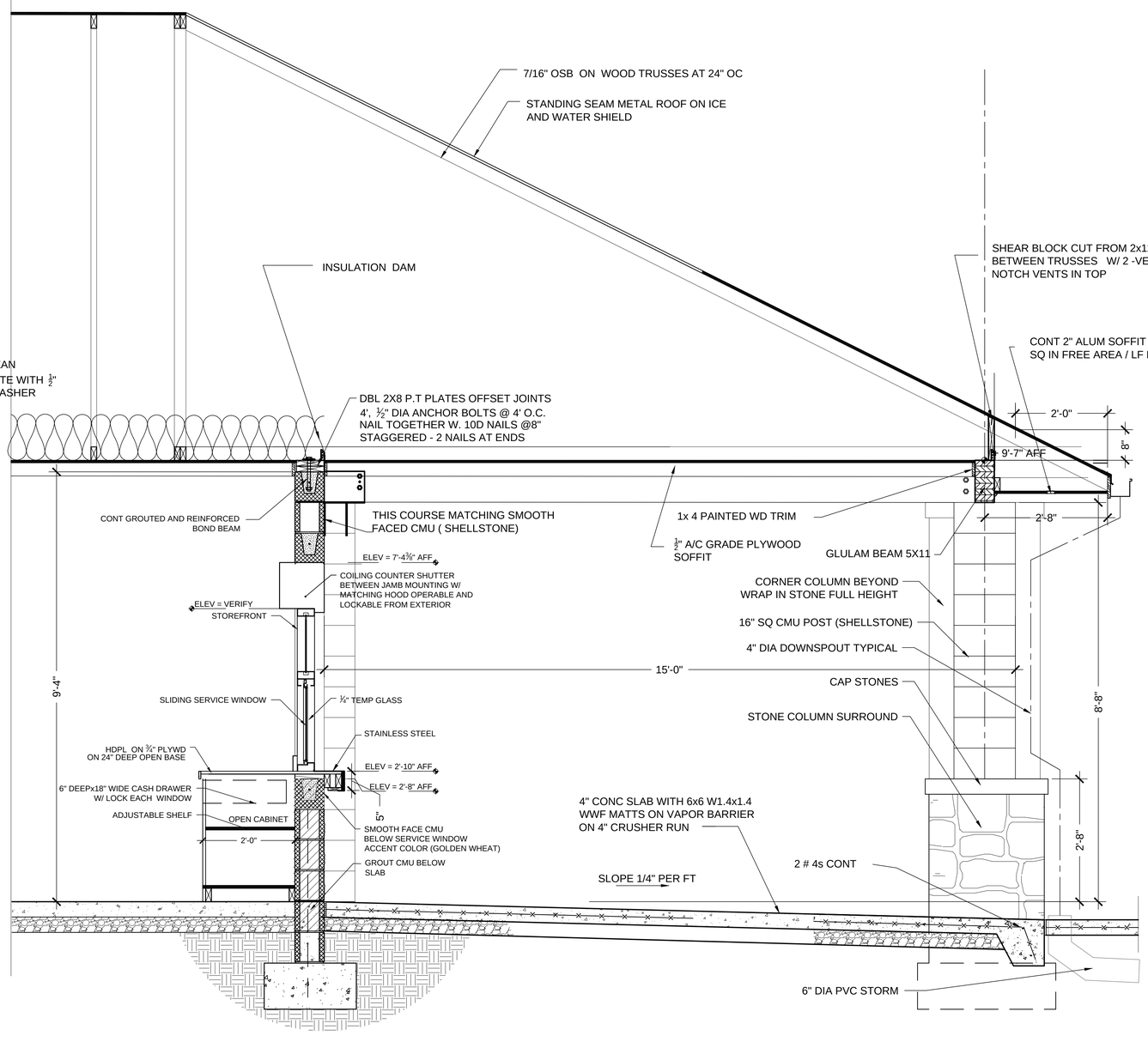
Revisions

Drawn	mgm
Checked	M. MITCHELL
Date	09-15-2017
Project	17-013
Sheet Number	A-3.1
Of	Sheets

Date Printed: 09-22-17 10:53 AM



A TYPICAL WALL SECTION
SCALE = 3/4" = 1'-0"



B SECTION SERVING WINDOW
SCALE = 3/4" = 1'-0"

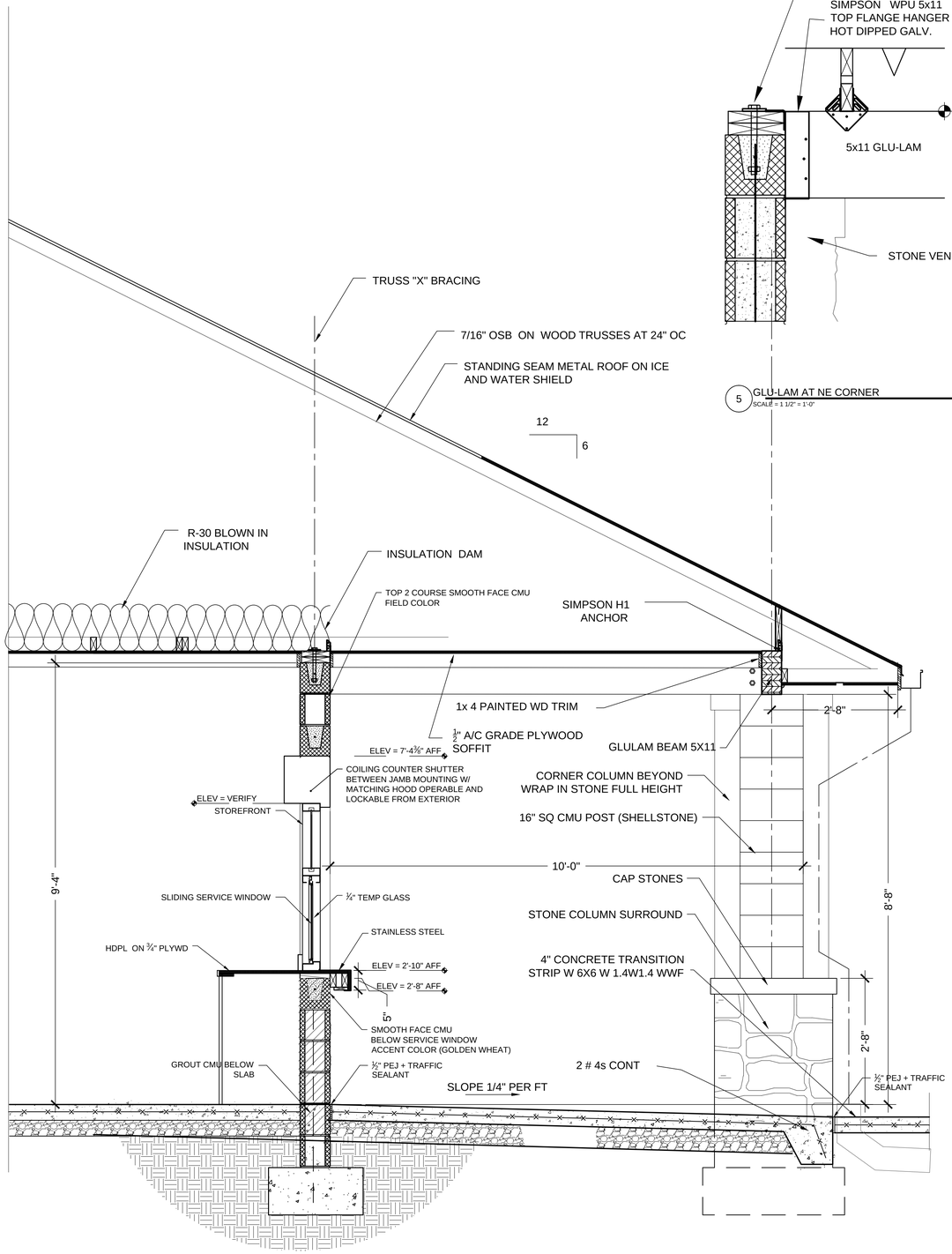
POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

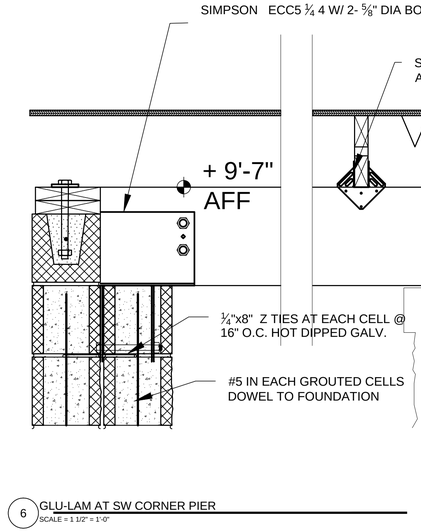
Drawn	mgm
Checked	M. MITCHELL
Date	09-15-2017
Project	17-013
Sheet Number	A-4.1
Of	Sheets

Date Printed 09-22-17 10:56 AM

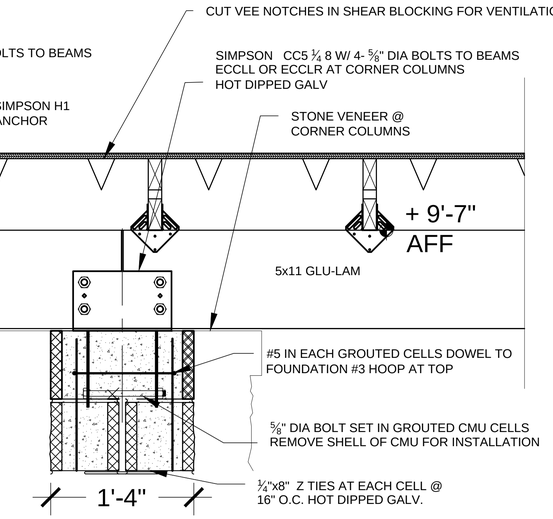


C SECTION TICKET WINDOW
SCALE = 3/4" = 1'-0"

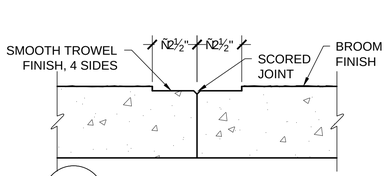
5 GLU-LAM AT NE CORNER
SCALE = 1 1/2" = 1'-0"



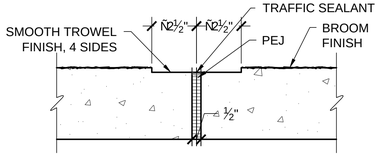
6 GLU-LAM AT SW CORNER PIER
SCALE = 1 1/2" = 1'-0"



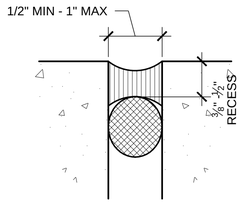
7 GLU-LAM AT POST
SCALE = 1 1/2" = 1'-0"



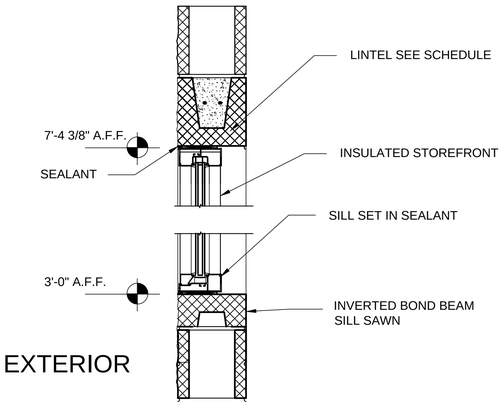
2 SIDEWAL JOINT
SCALE = 3" = 1'-0"



3 SIDEWALK EX. JT.
SCALE = 3" = 1'-0"



4 E.J. SEALANT DETAIL
SCALE = 3" = 1'-0"



EXTERIOR

1 TYPICAL WINDOW
SCALE = 1 1/2" = 1'-0"

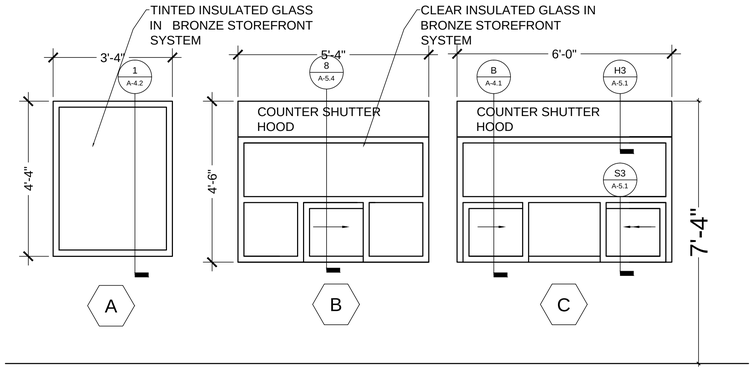
POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

Drawn	mgm
Checked	M. MITCHELL
Date	09-15-2017
Project	17-013
Sheet Number	A-4.2
Of	Sheets

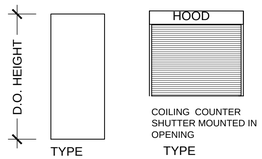
Date Printed 09.22.17 10:58 AM



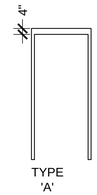
WINDOW ELEVATIONS

DOOR SCHEDULE

NO	DOOR							FRAME						LABEL	HARDWARE HEADING SEE SPECS 08 71 00	REMARKS	NO
	TYPE	OPENING W	OPENING H	T	MAT'L	FINISH	GL	TYPE	HEAD	JAMB	SILL	MAT'L	FINISH				
01	A	3-0	7-0	1 3/4	G-HM	P	--	A	H1	J1	S1	G-HM	P	--	HH#1	--	01
02	A	3-0	7-0	1 3/4	G-HM	P	--	A	H1	J1	S2	G-HM	P	--	HH#6	--	02
03	A	3-0	7-0	1 3/4	G-HM	P	--	A	H1	J1	S1	G-HM	P	--	HH#3	--	03
04	A	3-0	7-0	1 3/4	G-HM	P	--	A	H1	J1	S2	G-HM	P	--	HH#6	--	04
05	A	3-0	7-0	1 3/4	G-HM	P	--	A	H1	J1	S1	G-HM	P	--	HH#2	--	05
06	A	PR 2-10	7-0	1 3/4	G-HM	P	--	A	H1	J1	S1	G-HM	P	--	HH#4	RH LEAF ACTIVE	06
07	A	PR 2-10	7-0	1 3/4	G-HM	P	--	A	H1	J1	S1	G-HM	P	--	HH#5	RH LEAF ACTIVE	07
08	A	3-0	7-0	1 3/4	G-HM	P	--	A	H2	J2		G-HM	P	--	HH#5	--	08
09	B	5-4	4-6	--	--	--	--	--	H3	--	S3	--	--	--	--	OPERABLE AND LOCKABLE FROM EXTERIOR	09
10	B	6-0	4-6	--	--	--	--	--	H3	--	S3	--	--	--	--	OPERABLE AND LOCKABLE FROM EXTERIOR	10



DOOR TYPES



FRAME TYPES

GENERAL NOTES :

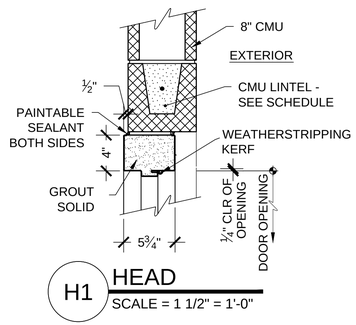
1 ALL DOORS SHALL BE EQUIPPED WITH HARDWARE THAT IS EASY TO GRASP PER ADA 2010 STANDARDS CONSISTING OF LEVER HANDLES OR PULLS HANDLES.

2 EXIT DOORS SHALL NOT BE SUBJECT TO THE USE OF A KEY OR REQUIRE SPECIAL KNOWLEDGE TO OPERATE, NFPA 101 LIFE SAFETY CODE, CHAPTER 7, SEC 7.2.1.5.3, 2012 EDITION. NOTE RESTOOMS HAVE A CLASSROOM FUNCTION DEADBOLT THAT IS USED ONLY FOR PLACING THE RESTROOMS OUT OF SERVICE.

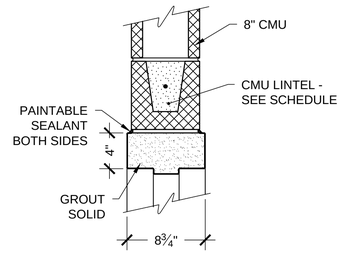
3. PROVIDE TEMPERED GLAZING IN DOORS SIDELIGHTS AND OTHER LOCATIONS PER THE SAFETY GLAZING STANDARDS

LEGEND

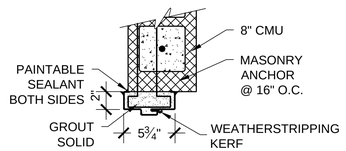
AL	ALUMINUM
G	GALVANIZED
HM	HOLLOW METAL
I	INSULATED
M	METAL
P	PAINTED
PF	PREFINISHED
PR	PAIR
ST	STEEL
SS	STAINLESS STEEL
T	TEMPERED
TT	TINTED - TEMPERED



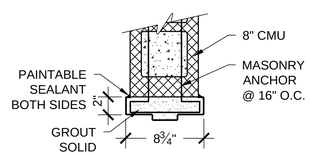
H1 HEAD
SCALE = 1 1/2" = 1'-0"



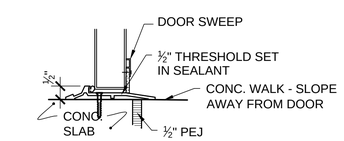
H2 HEAD
SCALE = 1 1/2" = 1'-0"



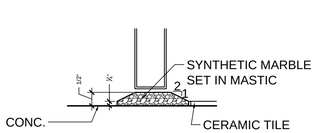
J1 JAMB
SCALE = 1 1/2" = 1'-0"



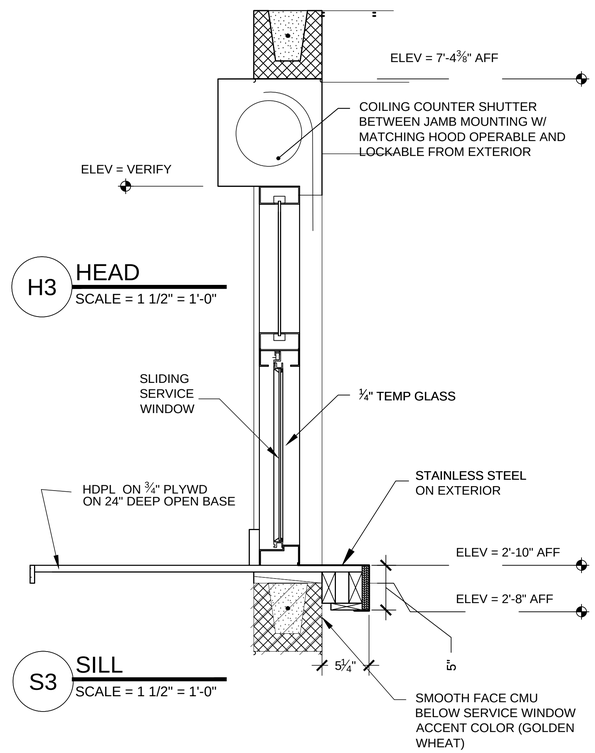
J2 JAMB
SCALE = 1 1/2" = 1'-0"



S1 SILL
SCALE = 3" = 1'-0"



S2 SILL
SCALE = 3" = 1'-0"



H3 HEAD
SCALE = 1 1/2" = 1'-0"

S3 SILL
SCALE = 1 1/2" = 1'-0"

POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

Drawn	mgm
Checked	M. MITCHELL
Date	09-15-2017
Project	17-013
Sheet Number	A-5.1
Of	Sheets

Date Printed 09.22.17 10:59 AM

FINISH SCHEDULE

ROOM NO	NAME	FLOOR	BASE	WALL	MOULDING	CEILING	NOTES
01	LIFEGUARD/OFFICE	SC	RCB	P-CMU	P- 1x4 CROWN	P-PLYWD	--
02	STORAGE #1	SC	RCB	P-CMU	P- 1x4 CROWN	P-PLYWD	--
03	MEN	CT	CCB	EP-CMU	P- 1x4 CROWN	P-PLYWD	FLOOR PATTERN SHEET A5.3
04	CHASE	SC	--	U-CMU	--	U-WOOD	--
05	WOMEN	CT	CCB	EP-CMU	P- 1x4 CROWN	P-PLYWD	FLOOR PATTERN SHEET A5.3
06	SNACKBAR	SC	RCB	EP-CMU	P- 1x4 CROWN	P-PLYWD	--
07	STORAGE #2	SC	RCB	P-CMU	P- 1x4 CROWN	P-PLYWD	--
08	COVERED PORCH	SC	RCB	P-CMU	P- 1x4 CROWN	P-PLYWD	--

LEGEND

CMU	CONCRETE MASONRY UNIT
CT	CERAMIC TILE
CCB	CERAMIC COVE BASE
E	EXISTING
EP	EPOXY PAINT
GB	GYPSUM BOARD
P	PAINT
PC	POLISHED CONCRETE
PF	PREFINISHED
PLWD	PLYWOOD
RCB	RUBBER COVE BASE
SAP	SUSPENDED ACOUSTICAL PANEL CEILING
SC	SEALED CONCRETE
U	UNFINISHED
VCT	VINYL COMPOSITION TILE

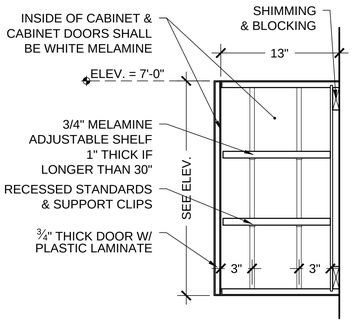
NOTES;

1. PAINT ALL EXPOSED CONDUIT, PIPING, STEEL FRAMING, AND OTHER EXPOSED UNFINISHED SURFACES IN ROOMS OR SPACES WHERE THE WALLS ARE PAINTED .

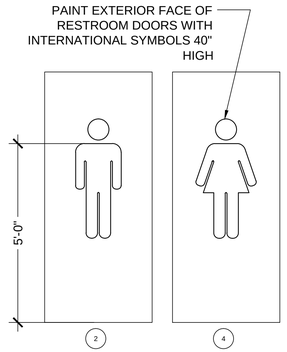
2. PAINT ALL EXPOSED CONDUIT, PIPING , STEEL FRAMING AND STEEL JOIST WHERE EXPOSED DECKS ARE SCHEDULED TO BE PAINTED.

3. SPACES SCHEDULE TO HAVE SC(SEALED CONCRETE) FLOOR FINISH CLEAN AND APPLY A FINAL COAT OF SEALER PRIOR TO SUBSTANTIAL COMPLETION WHEN WORK IS COMPLETE.

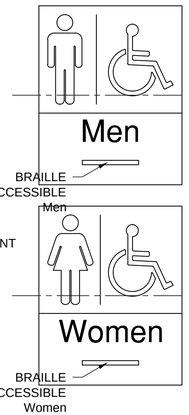
4. HOLLOW METAL DOORS, FRAMES AND WINDOWS SHALL BE PAINTED IN ALL AREAS



? SECT CABINETS
SCALE = 1 1/2" = 1'-0"



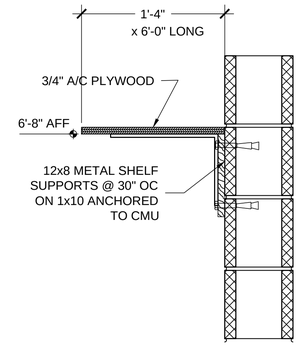
X DOOR SIGNS
SCALE = 1/2 = 1'-0"



NOTE:
MOUNT TO WALL ADJACENT TO DOOR @ 60 " AFF TO CENTER

GENERAL NOTES:
(SIGNAGE FOR RESTROOMS) SHALL HAVE RAISED BRAILLE CHARACTERS AND PICTORIAL SYMBOL SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. . WHERE THERE IS NO WALL SPACE TO THE LATCH SIDE OF THE DOOR, INCLUDING AT DOUBLE LEAF DOORS, SIGNS SHALL BE PLACE DON THE NEAREST ADJACENT WALL. MOUNTING HEIGHT SHALL BE 60 INCHES ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN. 2010 ADA STAMDARDS

? PLASTIC WALL SIGNS
SCALE = 3" = 1'-0"



1 CHASE SHELF
SCALE = 1 1/2" = 1'-0"

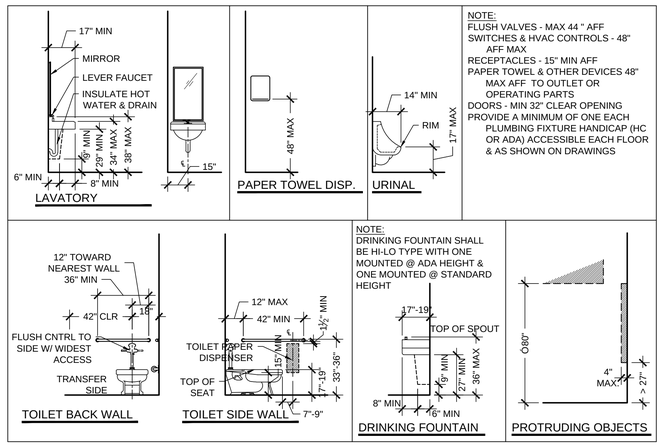
POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

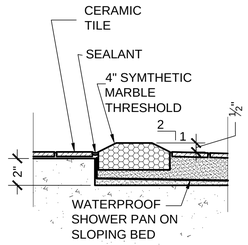
Drawn	mgm
Checked	M. MITCHELL
Date	09-13-2017
Project	17-013
Sheet Number	A-5.2
Of	Sheets

Date Printed 09.22.17 11:02 AM



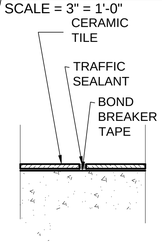
ADA FIXTURE ADULT MOUNTING HEIGHTS (TYP.)

NTS



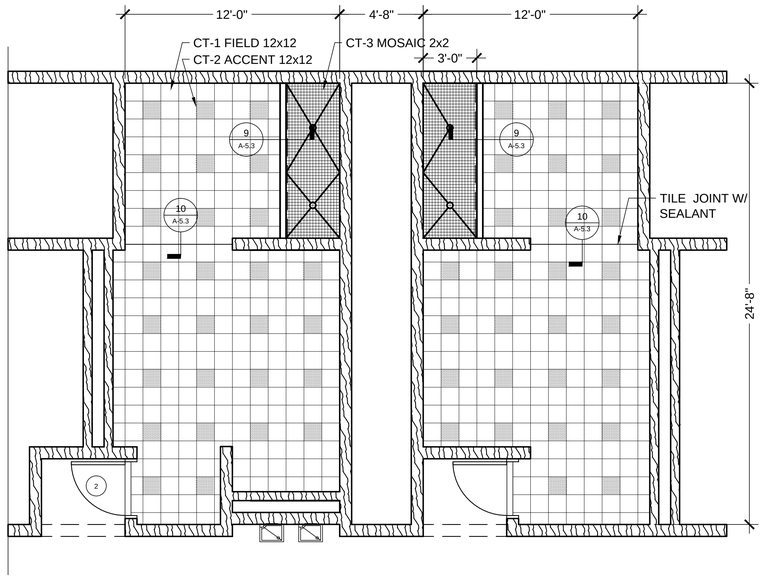
9 SHOWER THRESHOLD

SCALE = 3" = 1'-0"



10 TILE JOINT

SCALE = 3" = 1'-0"



REFERENCE NORTH

2 FLOOR PATTERN-RESTROOMS

SCALE = 1/4 = 1'-0"

CERAMIC TILE SELECTIONS
PRODUCTS OF DAL-TILE

CT-1 HEARTLAND RAFFIA HL02 12x12 FIELD

CT-2 HEARTLAND EDGEWOOD HL04 12x12 ACCENT

CT-3 HEARTLAND MOSAIC RAFFIA & WHITE ROCK BLEND 2x2 DOT -MOUNTED SHOWER

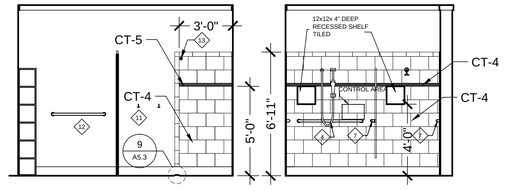
CT-4 HEARTLAND RAFFIA 9x12 WALL TILE

CT-5 UNIVERSAL HL09 2x10 DECORATIVE ACCENT

GROUT JOINTS: ALL LATICRETE #17 MARBLE BEIGE

FLOOR: 3/16"
WALL: 1/16"
MOSIAC: 1/8"

FLOOR TILE THIN SET EXCEPT @ SHOWERS MUD BED SET W/ SHOWER PAN WATERPROOFING

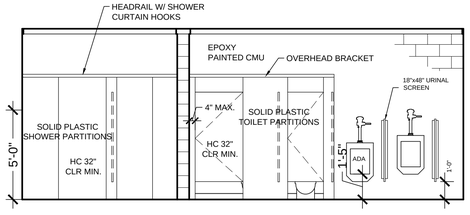


7 ELEVATION SHOWER

SCALE = 1/4 = 1'-0"

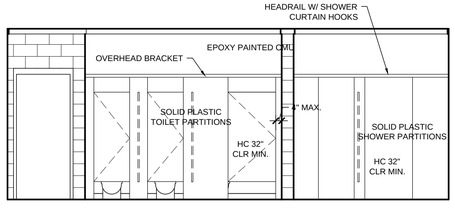
8 ELEVATION SHOWER

SCALE = 1/4 = 1'-0"



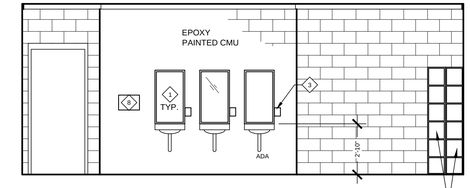
5 ELEVATION WOMEN

SCALE = 1/4 = 1'-0"



6 ELEVATION WOMEN

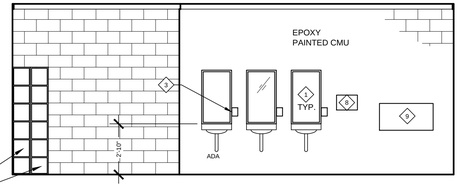
SCALE = 1/4 = 1'-0"



3 ELEVATION MEN

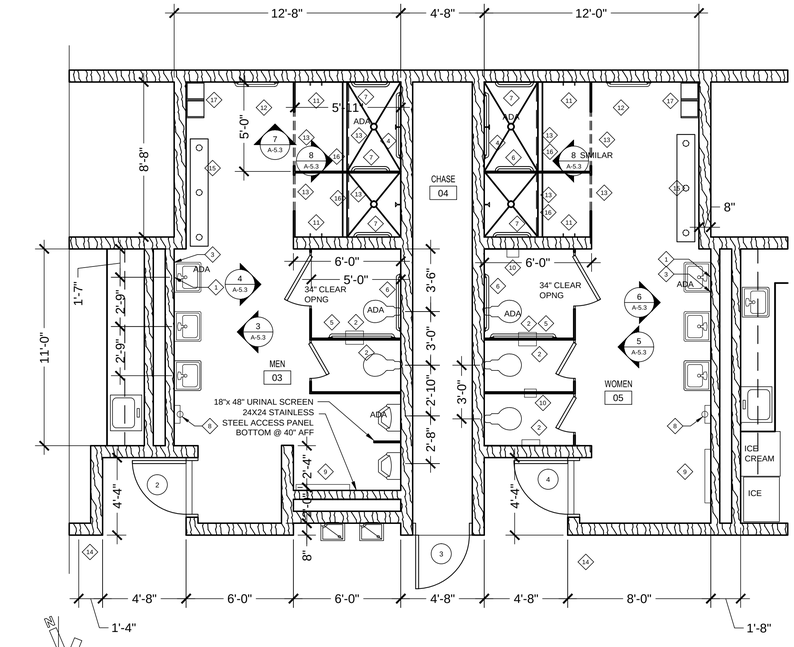
SCALE = 1/4 = 1'-0"

PLASTIC 6 HIGH CUBBIES EACH 12x12 x 72"



4 ELEVATION MEN

SCALE = 1/4 = 1'-0"



REFERENCE NORTH

1 FLOOR PLAN-RESTROOMS

SCALE = 1/4 = 1'-0"

TOILET ACCESSORY LEGEND & NOTES:

1. MIRROR 18x36 @ EACH SINK
2. TOILET PAPER HOLDER ROLL TYPE
3. LIQUID SOAP DISPENSER, WALL MOUNTED, EACH SINK
4. GRAB BAR 48 "
5. GRAB BARS 42"
6. GRAB BARS 36"
7. GRAB BAR 30"
8. HAND DRYER MOUNTED AT 40" AFF TO BOTTOM
9. DIAPER CHANGING STATION ANCHOR TO SUPPORT 400#
10. SANITARY NAPKIN DISPOSAL
11. ROBE HOOKS TWO PER SHOWER MTD@ 60" AFF(48" AFF IN ADA SHOWER)
12. TOWEL BAR x30" MTD @ 42" AFF
13. SHOWER ROD AND CURTAIN
14. RESTROOM SIGN 60" AFF TO CENTER
15. BENCH 6' X12"
16. SYNTHETIC MARBLE THRESHOLD
17. PLASTIC CUBICLES EACH 12"x12"x12" X 6 HIGH

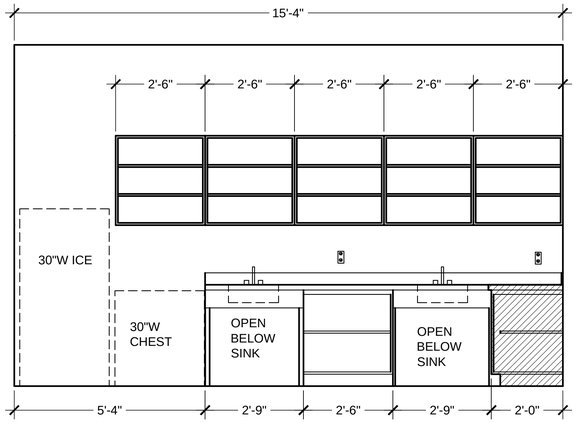
POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

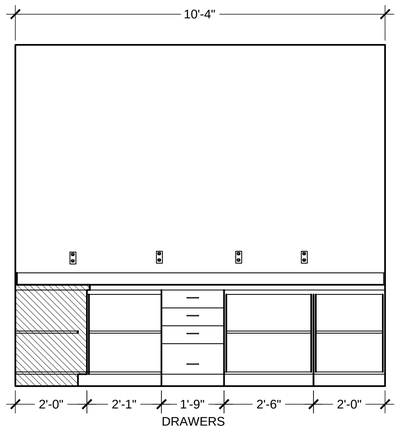
Drawn	mgm
Checked	M. MITCHELL
Date	09-15-2017
Project	17-013
Sheet Number	A-5.3
Of	Sheets

Date Printed 09.22.17 11:05 AM



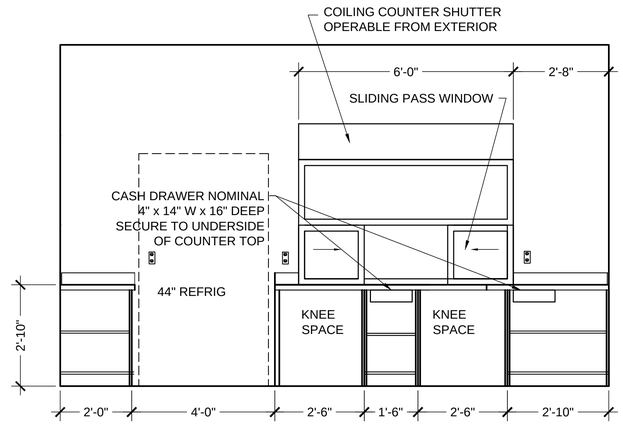
3 CONCESSIONS REAR COUNTER
SCALE = 1/2 = 1'-0"

HDPL CLAD CABINETS
LDPL INTERIORS AND SHELVES



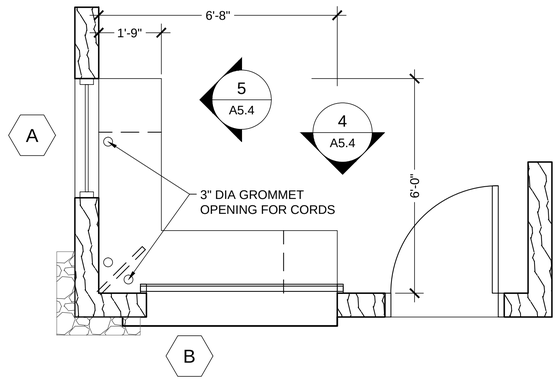
2 CONCESSIONS SIDE COUNTER
SCALE = 1/2 = 1'-0"

HDPL CLAD CABINETS
LDPL INTERIORS AND SHELVES

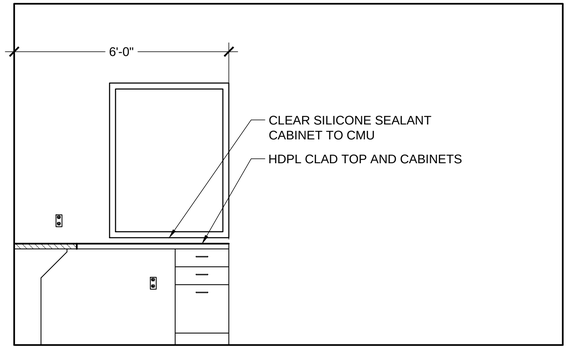


1 CONCESSIONS FRONT COUNTER
SCALE = 1/2 = 1'-0"

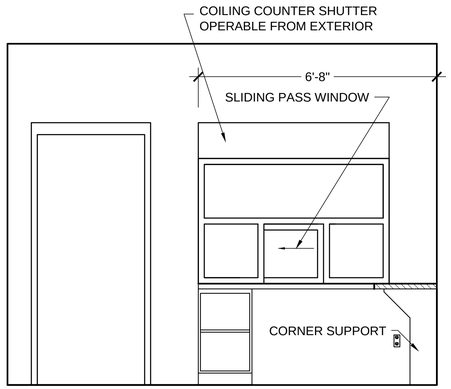
HDPL CLAD CABINETS
LDPL INTERIORS AND SHELVES



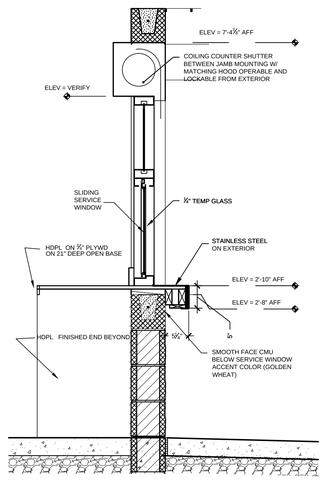
6 PLAN ENTRY DESK
SCALE = 1/2 = 1'-0"



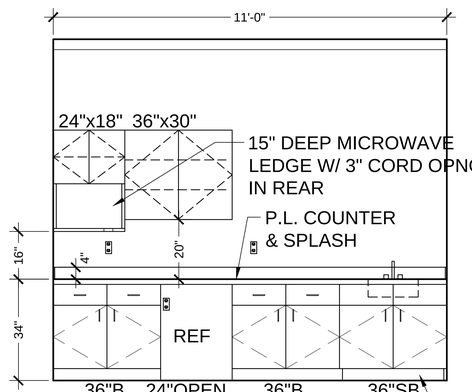
5 ELEVATION ENTRY DESK
SCALE = 1/2 = 1'-0"



4 ELEVATION ENTRY DESK
SCALE = 1/2 = 1'-0"



8 SECTION ENTRY DESK
SCALE = 3/4" = 1'-0"



HDPL CLAD CABINETS

7 LIFEGUARD COUNTER
SCALE = 1/2 = 1'-0"

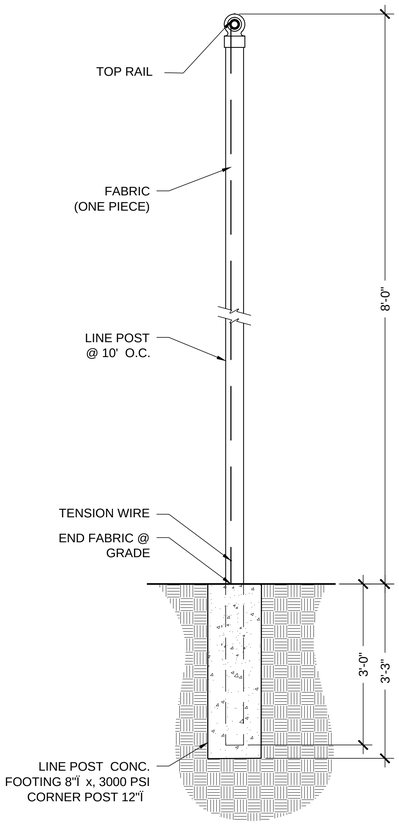
POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

Drawn	mgm
Checked	M. MITCHELL
Date	09-13-2017
Project	17-013
Sheet Number	A-5.4
Of	Sheets

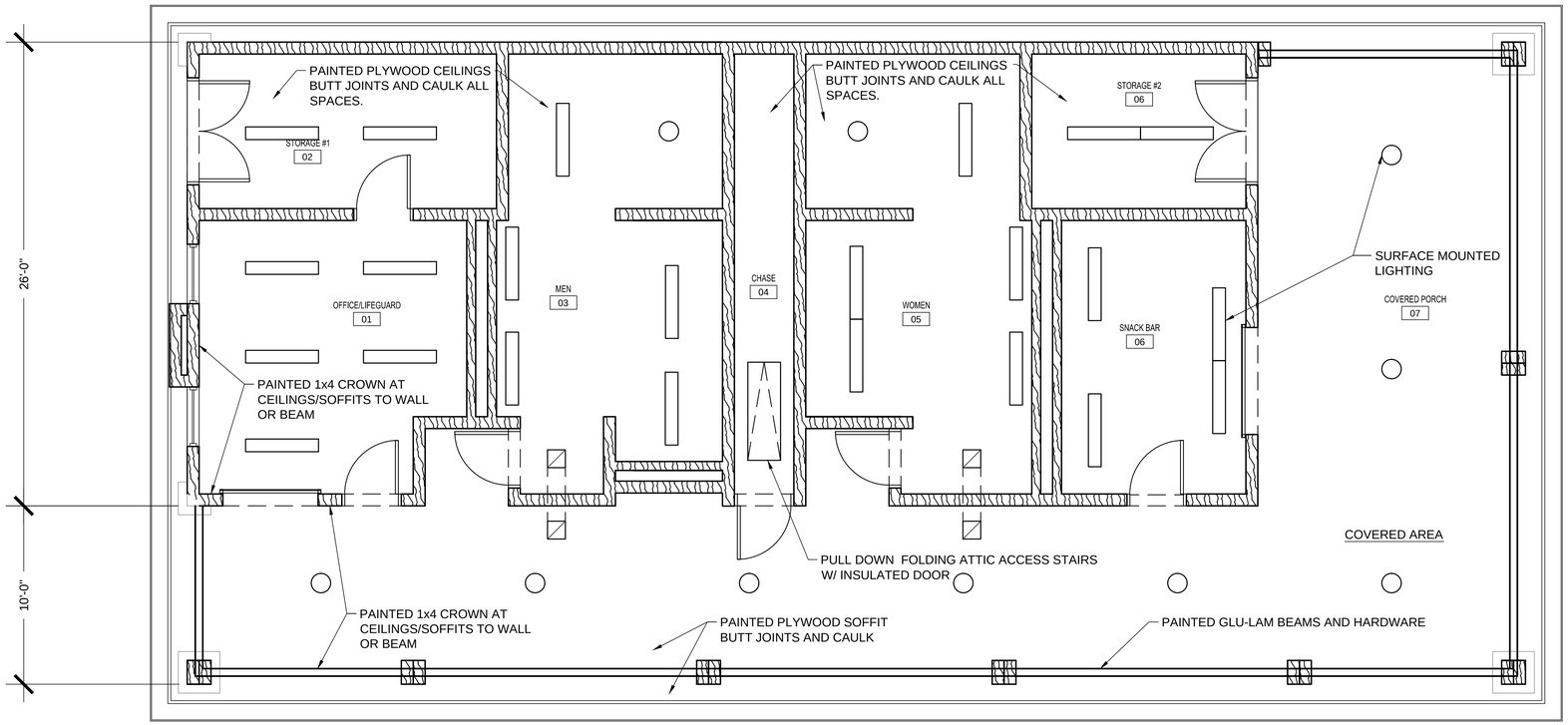
Date Printed 09.22.17 11:08 AM



ALL COMPONENTS SHALL BE
BLACK VINYL COATED

1 FENCE DETAIL

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



REFERENCE
NORTH

REFLECTED CEILING PLAN

SCALE = 1/4 = 1'-0"

POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

Drawn	mgm
Checked	M. MITCHELL
Date	09-15-2017
Project	17-013
Sheet Number	A-6.1
Of	Sheets

Date Printed 09.22.17 11:21 AM

DIVISION 16000: ELECTRICAL SPECIFICATIONS

PART 1 - GENERAL

1.01 SCOPE:

A. Furnish and install a completely wired and operational electrical system as shown on the drawings and specified herein, including but not limited to these major items.

1. Lighting fixtures as indicated and specified on plans.
2. Electrical panels, controls, service, disconnects, conduit, wiring, etc., for all outlets and equipment.
3. Telephone/Data outlets and conduit as indicated.
4. Conduit and outlets for alarm systems.
5. Control wiring for electrical systems.

1.02 CODES, REGULATIONS AND STANDARDS:

A. The installation shall comply with applicable local and state codes and ordinances, including the regulations of the following:

1. Americans with Disabilities Act
2. International Building Code
3. National Electric Code
4. International Fire Code
5. Local Building Code Amendments and Ordinances.

B. The following industry standards, specifications are also minimum requirements:

1. The National Electrical Manufacturer's Association Standards (NEMA).
2. The Manufacturer's Recommendation.
3. Underwriter Laboratories Incorporated Standards (UL).
4. American National Standards Institute (ANSI).

1.03 PERMITS

A. Obtain and pay for all required permits and inspection fees.

1.04 INSPECTION OF SITE:

A. Prior to submitting a bid, visit the site of the proposed construction to become thoroughly acquainted with existing utilities, working conditions, etc. Allowance will not be made for non-compliance with this condition after bidding.

1.05 CLEAN-UP:

A. Keep the premises free from accumulation of waste material, or rubbish caused by employees or work under this Division of the specification. At the completion of the work, remove all surplus materials, tools, etc., and leave the premises "broom-clean". Remove all temporary wiring upon project completion.

1.06 DRAWINGS:

A. The drawings indicate the general arrangement and locations of the electrical work. Data presented on the these drawings are as accurate as planning can determine, but field verification of all dimensions, locations, levels, etc., to suit field conditions is required. Review all architectural and mechanical drawings and adjust all work to meet the requirements of conditions shown. The architectural drawings shall take precedence over all other drawings. Discrepancies between different plans, or between drawings and specifications, or regulations and codes governing the installation shall be brought to the attention of the Architect in writing before the date of bid opening. If discrepancies are not reported, bid the greater quantity or better quality, and appropriate adjustments will be made after contract award. Field measure and confirm mounting heights and location of electrical equipment with respect to counters, mechanical equipment, etc. Do not scale distances off the electrical drawings; use actual building dimensions.

B. In all cases switches controlling lighting are to be located on the strike side of doors. Location indicated for switches and outlets are approximate. Owner may make minor relocations at no additional cost.

C. Should structural elements prevent running of conduits, installation of outlets or cabinets as shown on the drawings, the necessary minor change, as determined by the Architect shall be permitted.

1.07 CUTTING AND FITTING:

A. Perform coring, cutting, fitting, repairing and finishing of the work necessary for the installation of the equipment of this Section. However, no cutting of the work of other trades or of any structural member shall be done without the consent of the Architect and Property Manager. Properly fill seal, fireproof and waterproof all openings, sleeves, and holes in slabs. Furnish and install all required sleeves and inserts.

1.08 COORDINATION WITH OTHER TRADES:

A. Cooperate with other trades so that installation of electrical outlets and equipment will be properly coordinated. Check conduit, fixture, and other equipment locations with the other trades to avoid conflict with the piping, ductwork, steel, piping, beams, or other obstructions.

B. Carefully check the locations of the outlet boxes and determine that they have not been disturbed during the installation of material of other trades.

1.09 UTILITY COMPANIES/PROPERTY MANAGER

A. Coordinate service requirements with GA Power Company. Coordinate with the utility's company to have service reconnected.

PART 2 - PRODUCTS AND EXECUTION

2.01 MATERIALS:

A. All material shall be new and of quality as specified on the plans or specifications and must carry the Underwriter's Laboratories approval covering the purpose for which they are used, in addition to meeting all requirements of the current applicable codes and regulations. No substitution to materials specified will be allowed.

2.02 CONDUIT:

A. Rigid Galvanized Steel (RGS) may be used in all areas. Intermediate Metallic Conduit (IMC) may be used in indoor locations. Use electrical Metallic Tubing (EMT) in indoor locations not in contact with earth, not in concrete slabs or concrete walls and not subject to damage. Use flexible steel conduit not exceeding 36" for indoor final connections to mechanical equipment and not exceeding 72" and recessed removable fluorescent light fixtures. Use liquid-tight flexible steel conduit not exceeding 36" for outdoor final connections to equipment or in wet locations. Use schedule 40 PVC below grade & in slab.

B. Where the conduit enters outlet boxes, fixtures or cabinets, firmly fasten by double locknuts and bushings. Firmly fasten conduit to the building construction. Run exposed conduits parallel to the building lines, supported by appropriate hangers (Unistrut, T&B or Appleton) from structure. Support conduits on 5 foot intervals and within 3 feet of any box or fitting. Do not support conduits from ceiling, piping, ceiling supports, ductwork, or other conduits.

C. Conduit connectors shall be double locknut type, UL listed and labelled, with set-screw or compression fittings.

D. Conduit sizes shall be as required by code and as indicated or specified herein. Minimum conduit size 1/2".

E. All empty conduit systems shall have 200 lb. test pull cord to facilitate installation of future wire.

F. Conceal conduits and outlets within the building structure; except that conduits may be run exposed in certain areas as indicated on the drawings. Run conduit shown to be installed in cabinets, and, casework directed by Architect.

2.03 OUTLET, PULL AND JUNCTION BOXES:

A. Each switch, light, receptacle or other outlets shall be provided with a code gauge, galvanized steel outlet box. Junction and pullboxes shall be code gauge, galvanized steel. Outlet boxes shall be of the one piece, knockout type, in general 4" square with plaster ring. Plaster rings shall be set to provide not more than 1/8" from wall surface to ring. In no case shall plaster ring project beyond surface of wall.

B. Boxes installed for the alarm, computer and security system shall be provided with appropriate coverplates.

2.04 CONDUCTORS:

A. Unless otherwise specified, all wire shall be Type THW, THWN or XHHW copper. The wires shall be color coded. Unless otherwise required by local ordinances, ground wires shall be green, neutral wires shall be white and phase wires shall be black (Phase A), red (Phase B), blue (Phase C), white (Neutral) for 208Y/120 volt. Conductors shall be #12 AWG unless otherwise indicated.

B. Do not install conductors until conduit system is complete. Use Mineralac #100 or equivalent as a lubricant to facilitate the installation of the conductors in the conduit system.

C. All 1ph branch circuits shall consist of 1 phase conductor and 1 neutral (120V) or 2 phase conductors (240V) and ground conductor.

D. Install all wire in conduit. If allowed by the local code nonmetallic sheathed cable can be used. All nonmetallic-sheathed cable shall be installed per NEC 300.

2.05 WIRING DEVICES:

A. Wall switches shall be specification grade AC silent type switches 20A, 125 volt. Single pole switches shall be Hubbell 1221 or equal with nylon cover. Color - Coordinate color with architect.

B. Receptacles shall be specification grade, duplex type, NEMA 5-20R, 20 ampere, 125 volt grounded type. Outlets shall be Hubbell 5362. Inscribe panel name and circuit number on all plates. Color - Coordinate color with architect.

C. Weatherproof receptacle shall be Hubbell WP26 with GF5262-I outlet.

D. GFI receptacle shall be Hubbell GF5362I. Inscribe panel name and circuit number on all plates.

E. Provide faceplates to match devices.

F. Mount all receptacles vertically, unless otherwise noted.

2.06 PANELBOARDS:

A. Provide branch circuit panelboard(s) as shown on drawings and as specified herein. Provide copper bus bars. Multiple pole breakers shall have handle ties so all poles act simultaneously. Main breaker shall be center mounted. Equipment ratings shall exceed available fault current. Provide typed circuit directory under plastic cover in each panel door. Circuit breakers shall be switch rated bolt-on type. Balance final loads within 10% of all three phases. Mount panels 6'-6" to top.

B. Any new breakers in existing panels shall be of the type suitable for use in that panel with mounting and short circuit capabilities equal or greater than the existing breakers. Provide new typed directories for all modified existing panels.

2.07 LIGHTING FIXTURES:

A. Provide lighting fixtures, contactors, and/or controllers. Coordinate procurement of these fixtures with Owner's representative in a timely manner to meet job schedules. Receive, uncrate, inspect, store, and protect all material. Install and lamp fixtures as noted in the drawings.

2.08 SAFETY SWITCHES:

A. Safety switches shall be heavy duty type, 600 or 250 volt, with number of poles required. Safety switches shall be lockable.

2.09 MOTOR:

A. Wire all motors to conform with manufacturers recommendations and with applicable codes. Provide necessary material, including wire, conduit, fittings, etc. required to connect motor.

B. Provide all starters unless indicated as furnished by others. Starters shall be combination fused disconnect type with on/off switch (HOA if required), control xfr, overloads, indicating lights, 2 aux reversible contacts. Manual starters shall have on/off (HOA if reqd) switch, overload, indicating light.

2.12 LABELING

A. Provide white laminated phenolic, etched in one inch black letters nameplates to identify panelboards, disconnect switches, starters, and other major equipment with following information: designation as indicated on drawings and operating voltage

2.13 GUARANTEE

A. Guarantee all material furnished and all workmanship performed for a period of one year from the date of final acceptance of the work. Any defects developing within this period, traceable to material furnished as part of this Section or workmanship performed hereunder, shall be corrected at no expense to the Owner.

2.14 EXISTING FACILITIES, DEMOLITION AND ALTERATIONS:

A. Fully investigate the site and ascertain all existing utilities and conditions which may effect the execution of this work. Further, be responsible for deenergizing circuits in demolition areas to insure a safe condition. Coordinate scheduling of service outages with Architect and Owner.

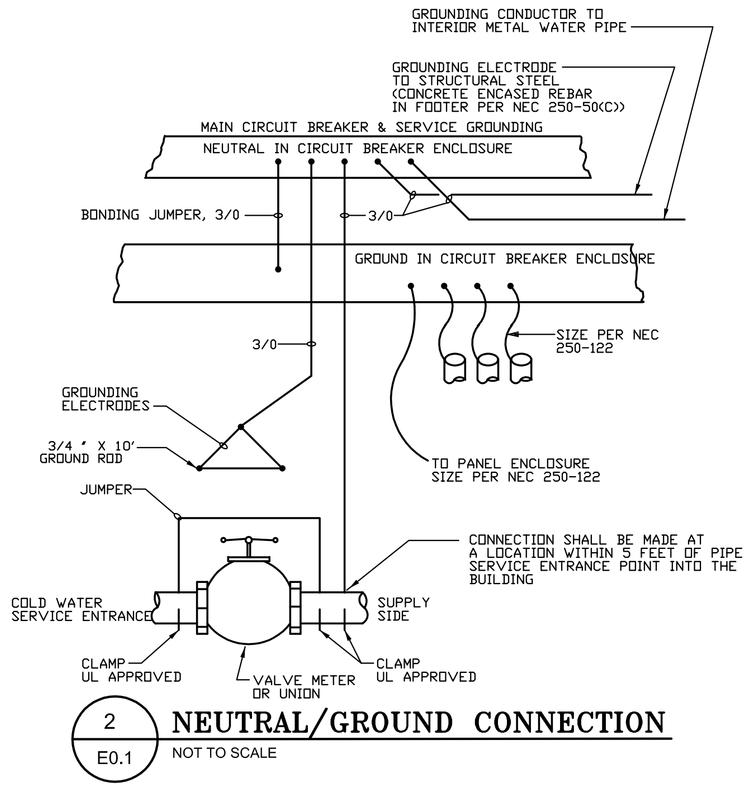
B. Maintain electrical service to the existing facility and building(s) during the construction period. Reroute, relocate, and/or provide temporary connections for all existing equipment, services, and circuits which are in conflict with building alterations and which are required to remain in service.

C. Remove existing material which will not be reused. All unused conduit and conductors in existing building and on the site shall be completely removed, except where located in or above existing slabs and construction which are not being removed. Unused conduits shall be cut off and plugged flush with surfaces. Existing materials which are not to be reused or are not requested to be retained by Owner shall be removed from site.

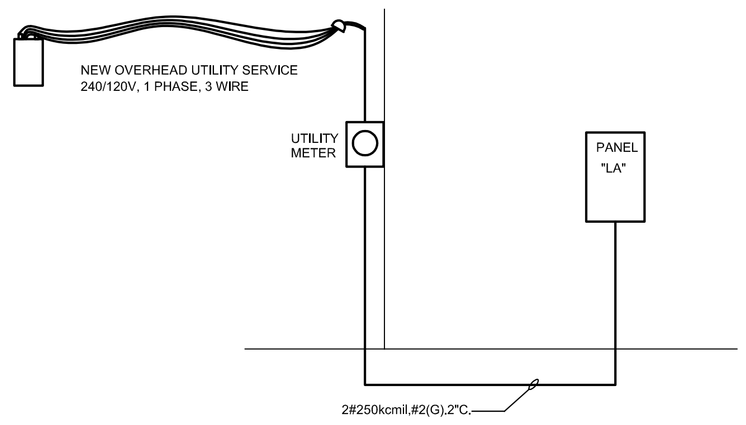
2.15 CONDITIONS PRECEDENT TO FINAL ACCEPTANCE:

A. Upon completion of project, prepare and submit one complete set of electrical record drawing sepia reproducibles and one complete set of prints of "as-built" conditions to the Architect showing all wiring as actually installed. Prints shall also show, as indicated by marked-up notations, all deviations and changes of wiring and circuit number from the original contract drawings.

B. Upon completion of project, prepare and submit to the Architect for final distribution to the Owner, four (4) copies of an Electrical lighting fixtures purchased.



2 / E0.1 **NEUTRAL/GROUND CONNECTION**
NOT TO SCALE



1 / E0.1 **POWER RISER DIAGRAM**
NOT TO SCALE

PANELBOARD LA											
TYPE BREAKER						BRANCHES		20/1 UNLESS NOTED			
SERVICE 120/240,3W+GROUND						BUSSING		COPPER			
MAINS 250A MCB						FEED		BOTTOM			
CABINET NEMA 1	AIC: 25000					MOUNTING		SURFACE			
CKT	LOAD DESCRIPTION	TRIP	POLES	L- 1		L- 2		POLES	TRIP	LOAD DESCRIPTION	CKT
1	SNACK BAR RECEPTACLES	20	1	0.8	0.7			1	20	INTERIORLIGHTING	2
3	SNACK BAR RECEPTACLES	20	1			0.8	0.4	1	20	EXTERIOR LIGHTING	4
5	SNACK BAR RECEPTACLES	20	1	0.8	1.2			1	20	HAND DRYER	6
7	SNACK BAR REFRIGERATOR	20	1			1.2	1.2	1	20	HAND DRYER	8
9	SNACK BAR RECEPTACLES	20	1	0.8	0.2			1	20	STORAGE RECEPTACLE	10
11	ICE MAKER	20	1			1.2	0.8	1	20	OFFICE RECEPTACLES	12
13	BEVERAGE COOLER	20	1	1.2	0.8			1	20	LIFEGUARD COUNTER REC	14
15	HOT DOG WARMER	20	2			1.9	1.2	1	20	LIFEGUARD REFRIGERATOR	16
17	/	/	/	1.9	0.6			1	20	EXTERIOR RECEPTACLES	18
19	SPARE	20	1				0.4	1	20	RESTROOM RECEPTACLES	20
21	EF-1	15	1	1.1				1		SPACE	22
23	CH-1	15	2			1.5		1		SPACE	24
25	/	/	/	1.5				1		SPACE	26
27	CH-2	15	2			1.5		1		SPACE	28
29	/	/	/	1.5				1		SPACE	30
31	HP-1	20	2			1.9		1		SPACE	32
33	/	/	/	1.9				1		SPACE	34
35	HP-2	20	2			1.9		1		SPACE	36
37	/	/	/	1.9				1		SPACE	38
39	EWH-1	90	2			9		1		SPACE	40
41	/	/	/	9				1		SPACE	42
TOTAL PHASE KVA				22	4	21	4				
TOTAL KVA				51							
MAXIMUM CONNECTED AMPS				212							

ELECTRICAL SYMBOLS & LEGENDS

MOUNTING HEIGHT IS FROM FINISHED FLOOR TO CENTER LINE OF DEVICE OR OUTLET. HEIGHT MAY VARY TO COINCIDE WITH BUILDING CONSTRUCTION OR UNLESS NOTED OTHERWISE. ALL SYMBOLS MAY NOT BE USED.

SYMBOL	DEVICE OR ITEM DESCRIPTION	MTG. HEIGHT
	PANELBOARD	-
J J	JUNCTION BOX, IN WALLS OR ABOVE CEILING	-
	DISCONNECT SWITCH HORSEPOWER RATED, FUSED OR NON-FUSED, AS INDICATED ON DRAWING.	-
	DUPLEX RECEPTACLE OUTLET MOUNTED ABOVE COUNTER	42"A.F.F.
	DUPLEX RECEPTACLE OUTLET	18"A.F.F.
	QUAD RECEPTACLE OUTLET	18"A.F.F.
	GROUND FAULT CURRENT INTERRUPTER DUPLEX RECEPTACLE OUTLET MOUNTED HORIZONTALLY 6" ABOVE COUNTERTOP OR BACKSPLASH	SEE ARCH.
	GROUND FAULT CURRENT INTERRUPTER DUPLEX RECEPTACLE OUTLET	18"A.F.F.
	GROUND FAULT CURRENT INTERRUPTER RECEPTACLE WITH WEATHERPROOF COVER	18"A.F.F.
	COMMUNICATION OUTLET-WALL MOUNTED	18"A.F.F.
	PLYWOOD BACKBOARD 2'-0" (W) X 4'-0" (H) X 3/4" (T) INSTALL BACKBOARDS AS SHOWN TEL/DATA	-
	CONCEALED WIRING ABOVE CEILING OR IN WALL, WITH #12 AWG WIRE UNLESS OTHERWISE NOTED. HATCH MARKS INDICATE NUMBER OF #12 CONDUCTORS. ALL BRANCH CIRCUIT CONDUITS SHALL CONTAIN CODE SIZED GREEN INSULATED GROUNDING WIRES WHICH ARE NOT SHOWN ON DRAWINGS.	-
	CONDUIT SURFACE MOUNTED OR EXPOSED (SEE ABOVE DESCRIPTION)	-
	CONDUIT CONCEALED IN FLOOR SLAB, BURIED BELOW GRADE OR CONCEALED IN CEILING CAVITY OF FLOOR BELOW. (SEE ABOVE DESCRIPTION)	-
	HOMERUN TO PANEL CROSS HATCHES INDICATE QUANTITY OF PHASE AND NEUTRAL CONDUCTORS IF MORE THAN TWO. REQUIRED GROUND CONDUCTOR IS NOT SHOWN. CIRCUIT NUMBERS AS INDICATED ON DRAWINGS.	-
	S.P.S.T. LIGHT SWITCH	48"A.F.F.
D	MANUAL DIMMER SWITCH - 1000W UNLESS OTHERWISE NOTED	48"A.F.F.
OC	DUAL TECHNOLOGY OCCUPANCY SENSOR	48"A.F.F.
M	20A MOTOR RATED SWITCH	-
F	FIRE ALARM PULL STATION	48"A.F.F.
F	FIRE ALARM AUDIO/VISUAL COMBINATION SIGNAL. WALL MOUNTED	80" A.F.F.
	FIRE ALARM VISUAL LIGHT	80" A.F.F.
S	FIRE ALARM SMOKE DETECTOR, CEILING MOUNTED	-
D	FIRE ALARM DUCT MOUNTED SMOKE DETECTOR	-
	LIGHT FIXTURE -CEILING MOUNTED	-
	LIGHT FIXTURE - WALL MOUNTED	-
	EXIT SIGN W/ EMERGENCY HEADS AND BATTERY BACK-UP	-
	2-HEADS EMERGENCY WALL PACK WITH BATTERY BACK-UP	-
NL	UNSWITCHED NIGHT LIGHT FIXTURE	-

ELECTRICAL GENERAL NOTES

1. CONTRACTOR SHALL REFER TO ELECTRICAL SPECIFICATIONS ISSUED HEREIN FOR THIS PORTION OF THE WORK.
2. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COMPLETE ELECTRICAL DISTRIBUTION SYSTEM AND EQUIPMENT CONNECTIONS TO HVAC AND OTHER EQUIPMENT SHOWN ON THIS SET OF THE DOCUMENTS. ALL WORKS SHALL BE IN ACCORDANCE WITH THE 2014 NEC, 2012 INTERNATIONAL BUILDING CODE, AND 2012 INTERNATIONAL FIRE CODE.
3. ALL INTERIOR ELECTRICAL RACEWAY SYSTEM IN EXPOSED STRUCTURE SHALL BE EMT. ALL INTERIOR ELECTRICAL WIRING SYSTEM IN CONCEALED WALL AND ABOVE CEILING SPACE MAY BE TYPE "MC" IN ACCORDANCE WITH NEC. EXTERIOR ELECTRICAL RACEWAY SYSTEM EXPOSED TO WEATHER SHALL BE RIGID GALVANIZED STEEL CONDUITS.
4. ELECTRICAL SYSTEM SHALL BE GROUNDED IN ACCORDANCE WITH NEC ARTICLE 250.
5. ALL OUTDOOR HVAC AND SPECIALTY EQUIPMENT SHALL BE TERMINATED WITH LIQUID-TIGHT FLEXIBLE CONDUITS.
6. THIS CONTRACTOR SHALL PROVIDE LINE VOLTAGE POWER CONNECTION TO ALL MECHANICAL EQUIPMENT AS SHOWN ON ELECTRICAL DRAWINGS OR AS REQUIRED BY MECHANICAL DIVISION. VERIFY ALL CONNECTIONS WITH EQUIPMENT SUPPLIER.
7. ALL EMPTY CONDUIT SHOWN ON THESE PLANS SHALL HAVE A 250 POUND RATED NYLON PULL STRING INSTALLED.

POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

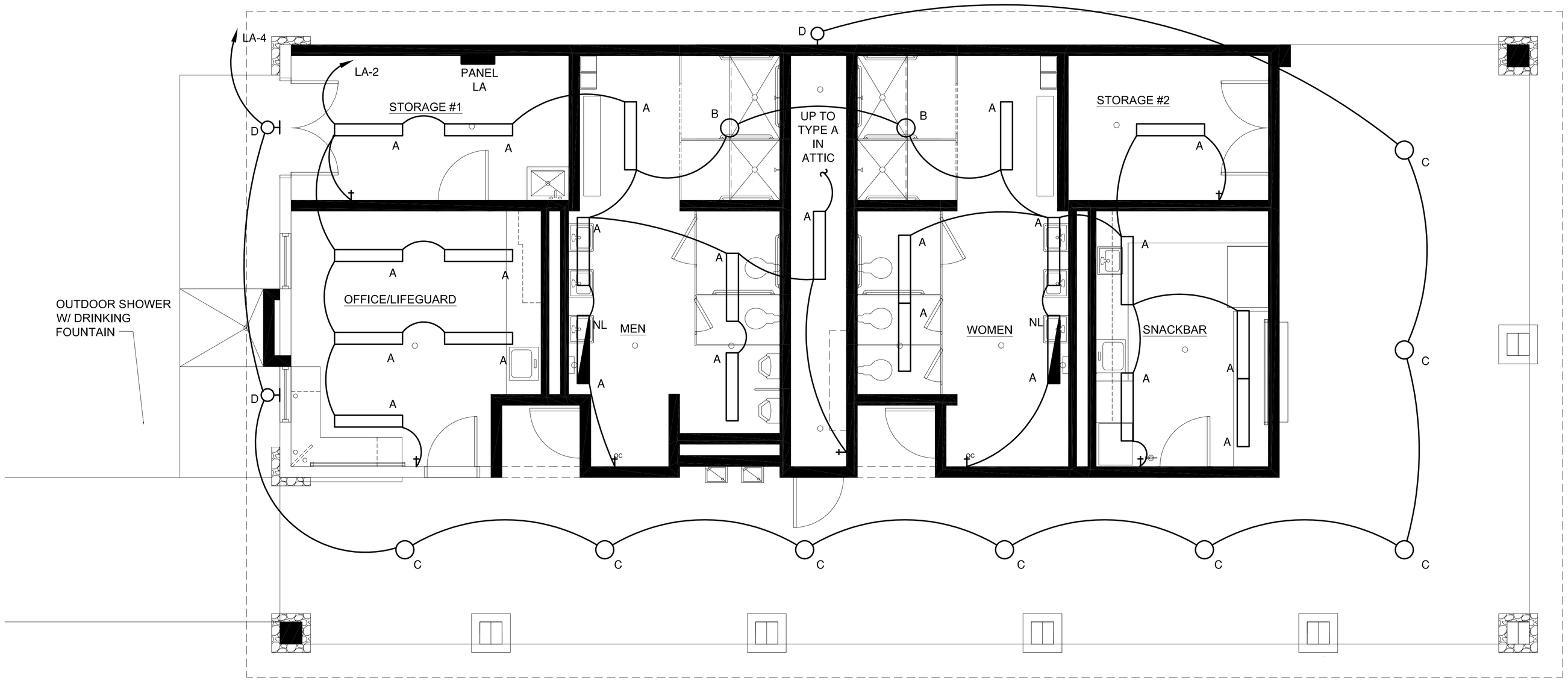
GEORGIA REGISTERED No. 24422 PROFESSIONAL ENGINEER MELANI M. STEVENS

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

Drawn	MVS
Checked	MMM
Date	9-15-2017
Project	17-013
Sheet Number	E-0.1

Date Printed: 09.11.17 12:54 PM



REFERENCE NORTH

FLOOR PLAN - LIGHTING

SCALE = 1/4 = 1'-0"

LIGHTING FIXTURE SCHEDULE

REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT NECESSARILY BE REFLECTED IN CATALOG NUMBERS AND/OR DESCRIPTIONS IN THIS SCHEDULE.

MARK	DESCRIPTION	MOUNTING	VOLTS	LAMPS	NOTES
A	4 FOOT LED STRIP FIXTURE WITH INJECTION MOLDED PRISMATIC POLYCARBONATE LENS AND CONSTANT CURRENT DRIVER. LUMINAIRE LED #LVP751-25W-3500K-120-CP-WHT	SURFACE	120	LED	
B	CEILING ROUND LED WITH INJECTION MOLDED PRISMATIC POLYCARBONATE LENS AND CONSTANT CURRENT DRIVER. LUMINAIRE LED #APEX13-25W-3500K-120-FL-WHT	SURFACE	120	LED	
C	CEILING ROUND LED WITH INJECTION MOLDED PRISMATIC POLYCARBONATE LENS AND CONSTANT CURRENT DRIVER. PHOTOELECTRIC SWITCH. LUMINAIRE LED #APEX13-25W-3500K-120-FL-WHT-PC	SURFACE	120	LED	
D	WALL MOUNTED LED WALL PACK FIXTURE FIXTURE WITH DIE CAST ALUMINUM HOUSING. BRONZE FINISH. MOLDED ACRYLIC LENS. LITHONIA# OLW 31	SURFACE	120	LED	SEE ARCHITECTURAL ELEVATIONS

LIGHTING FIXTURE NOTES:

NOTE 1: EQUAL MANUFACTURER OF LIGHTING FIXTURES ARE REQUIRED TO BE PRE-APPROVED.

NOTE 2: REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT REQUIREMENTS OTHER THAN THOSE LISTED HERE-IN.

POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

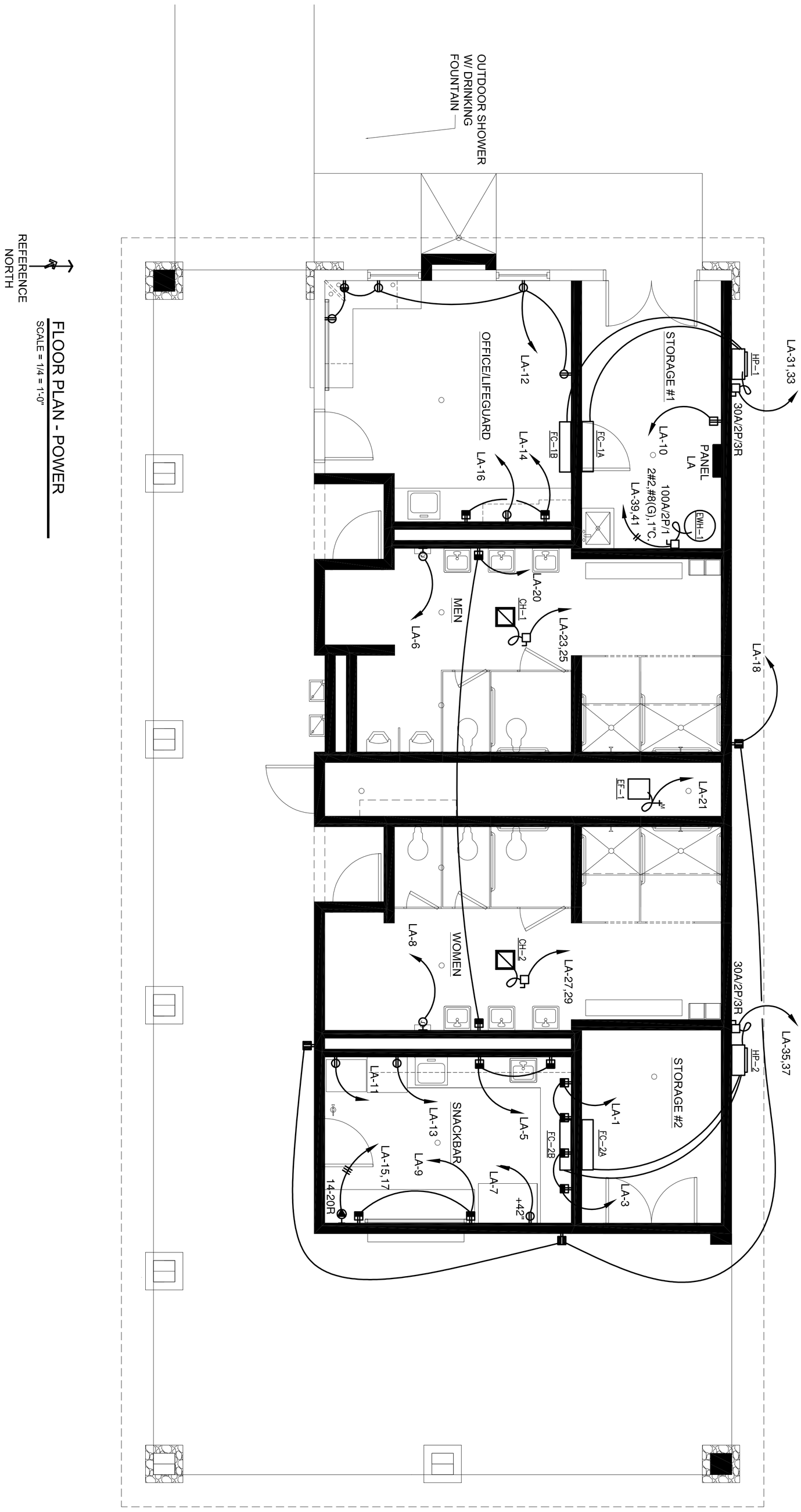
GEORGIA REGISTERED No. 24227 PROFESSIONAL ENGINEER MELANI V. STEVENS

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

Drawn	MVS
Checked	MMM
Date	9-15-2017
Project	17-013
Sheet Number	E-1.1L

Date Printed: 09.11.17 12:56 PM



FLOOR PLAN - POWER

SCALE = 1/4 = 1'-0"

Date Printed 09.11.17 12:55 PM

Sheet Number E-1.1P

Project 17-013

Date 9-15-2017

Checked MMM

Drawn MVS

Revisions

Wright Mitchell & Associates Inc

1174 Grimes Bridge Road Suite 300 Roswell, GA 30075

770.998.8059 - wmarchpc@bellsouth.net

GEORGIA REGISTERED No. 24212 PROFESSIONAL ENGINEER MELANI V STEPHENS

POOL HOUSE

VETERAN'S MEMORIAL PARK

186 RECREATION ROAD

DAWSONVILLE GEORGIA

GENERAL NOTES:

1. THE CONTRACTOR SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION, PERMITS, FEES, LICENSES AND PROPER SUPERVISION NECESSARY TO INSTALL AND COMPLETE THE WORK AS SHOWN ON THE DRAWINGS.
2. ALL WORK NECESSARY TO COMPLETE THE INTENT OF THIS PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR EVEN IF NOT SPECIFICALLY DETAILED HEREIN.
3. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ALL LATEST ADOPTED LOCAL, STATE AND FEDERAL CODES, LAWS AND ORDINANCES.
4. ALL INSTALLATIONS SHALL CONFORM TO THE 2012 EDITION OF THE INTERNATIONAL MECHANICAL CODE WITH LOCAL AMENDMENTS, AND 2009 INTERNATIONAL ENERGY CONSERVATION CODE WITH LOCAL AMENDMENTS.
5. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR PERMITS AND INSPECTIONS FROM STATE AND LOCAL AUTHORITIES; AS REQUIRED. HE SHALL DELIVER TO THE OWNER ALL CERTIFICATES OF INSPECTIONS.
6. CODE REQUIREMENTS ARE MINIMUM AND SHALL BE COMPLIED WITH AT NO ADDITIONAL COST TO THE OWNER. WHERE REQUIREMENTS OF THESE DRAWINGS EXCEED CODE REQUIREMENTS, WORK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE DRAWINGS.
7. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT.
8. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.
9. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION RECOMMENDATIONS INCLUDING CLEARANCE AND SERVICE ACCESS.
10. PRIOR TO PURCHASE OF ANY EQUIPMENT, CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE OF EACH EQUIPMENT WITH ELECTRICAL CONTRACTOR.
11. WALL MOUNTED THERMOSTATS AND TIMER SHALL BE MOUNTED AT 48" AFF. UNLESS NOTED OTHERWISE.
12. ALL DUCTWORK SHALL BE FABRICATED OF GALVANIZED ALUMINUM OF THICKNESS & GAUGES TO CONFORM TO LATEST EDITION OF SMACNA DUCT CONSTRUCTION STANDARDS.
13. DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS. WHERE INTERNAL INSULATION IS CALLED FOR, DIMENSIONS SHALL BE INCREASED BY THE THICKNESS OF INSULATION.
14. ALL MECHANICAL EQUIPMENT AND CONTROLS SHALL BE LABELED FOR FUNCTION AND IDENTIFICATION.
15. CONTROLS AND CONTROL WIRING REQUIRED FOR MECHANICAL SYSTEM SHALL BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR.
16. THE SYSTEM SHALL BE TESTED, BALANCED AND ADJUSTED TO PROVIDE THE AIR VOLUME INDICATED ON THE DRAWINGS. SUBMIT THREE COPIES OF REPORT TO ENGINEER FOR HIS REVIEW AND APPROVAL.

ELECTRIC HEATER SCHEDULE

MARK	SERVES	EAT °F	CAPACITY (KW)	STAGE	VOLTAGE/PHASE	CFM	TYPE	BASIS OF DESIGN	WEIGHT (LBS)	ACCESSORIES
CH-1	SEE PLANS	50	3	1	240/1	175	CEILING HEATER	RAYWALL 3000 SERIES	40	1
CH-2	SEE PLANS	50	3	1	240/1	175	CEILING HEATER	RAYWALL 3000 SERIES	40	1

ACCESSORIES:

1. PROVIDE WITH INTEGRAL THERMOSTAT.

FAN SCHEDULE

MARK	LOCATION	SERVES	TYPE*	NOM. WHEEL DIA. (INCHES)	DRIVE TYPE	CFM	STATIC PRESS. IN. W.C.	RPM	HP (WATTS)	VOLTAGE/PHASE	BASIS OF DESIGN	WEIGHT (LBS)	NOTES
EF-1	CHASE	BATHROOMS	IL	–	DIRECT	1100	0.5	1626	1/4	120/1	GREENHECK SQ-100-A	70	1,2,3

* IL: INLINE FAN.

NOTES:

1. PROVIDE WITH SOLID STATE SPEED CONTROL MOUNTED AT FAN FOR BALANCING.
2. PROVIDE WITH BACKDRAFT DAMPER.
3. PROVIDE WITH FACTORY FURNISHED SPRING ISOLATORS.

AIR DISTRIBUTION SCHEDULE

MARK	TYPE	DESCRIPTION	FINISH	BASIS OF DESIGN	NOTES
E-1	EXHAUST	35° FIXED 3/4" BLADE SPACING ALUMINUM GRILLE	OFF WHITE	TITUS 350FL	1
TG-1	TRANSFER	35° FIXED 3/4" BLADE SPACING ALUMINUM GRILLE	OFF WHITE	TITUS 350FL	

NOTES:

1. PROVIDE WITH OPPOSED BLADE DAMPER.

DUCTLESS SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE

FAN COIL UNIT						HEAT PUMP UNIT					BASIS OF DESIGN	MITSUBISHI MODEL NO.		WEIGHT (LBS) INDOOR/OUTDOOR	MINIMUM SEER	NOTES
MARK	CFM (MIN)	O.A. (MAX)	E.S.P	POWER VOLTS	PH	MARK	COOLING CAPACITY TOTAL MBH	HEATING MBH	POWER VOLTS	PH		FC-1A,FC-2A/FC-1B,FC-2B	HP			
FC-1A & 1B	250	–	–	230	1	HP-1	24.0	27.0	230	1	MITSUBISHI	MSZ-A09NA /MSZ-A15NA	MXZ-3A30NA	40/160	14.0	1,2,3
FC-2A & 2B	250	–	–	230	1	HP-2	24.0	27.0	230	1	MITSUBISHI	MSZ-A09NA /MSZ-A15NA	MXZ-3A30NA	40/160	14.0	1,2,3

NOTES:

1. HEATING AND COOLING CAPACITY ARE BASED ON 17° F AND 95°F DRY BULB TEMPERATURE.
2. REFRIGERANT 410A.
3. PROVIDE WITH REMOTE WALL MOUNTED THERMOSTAT.

POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

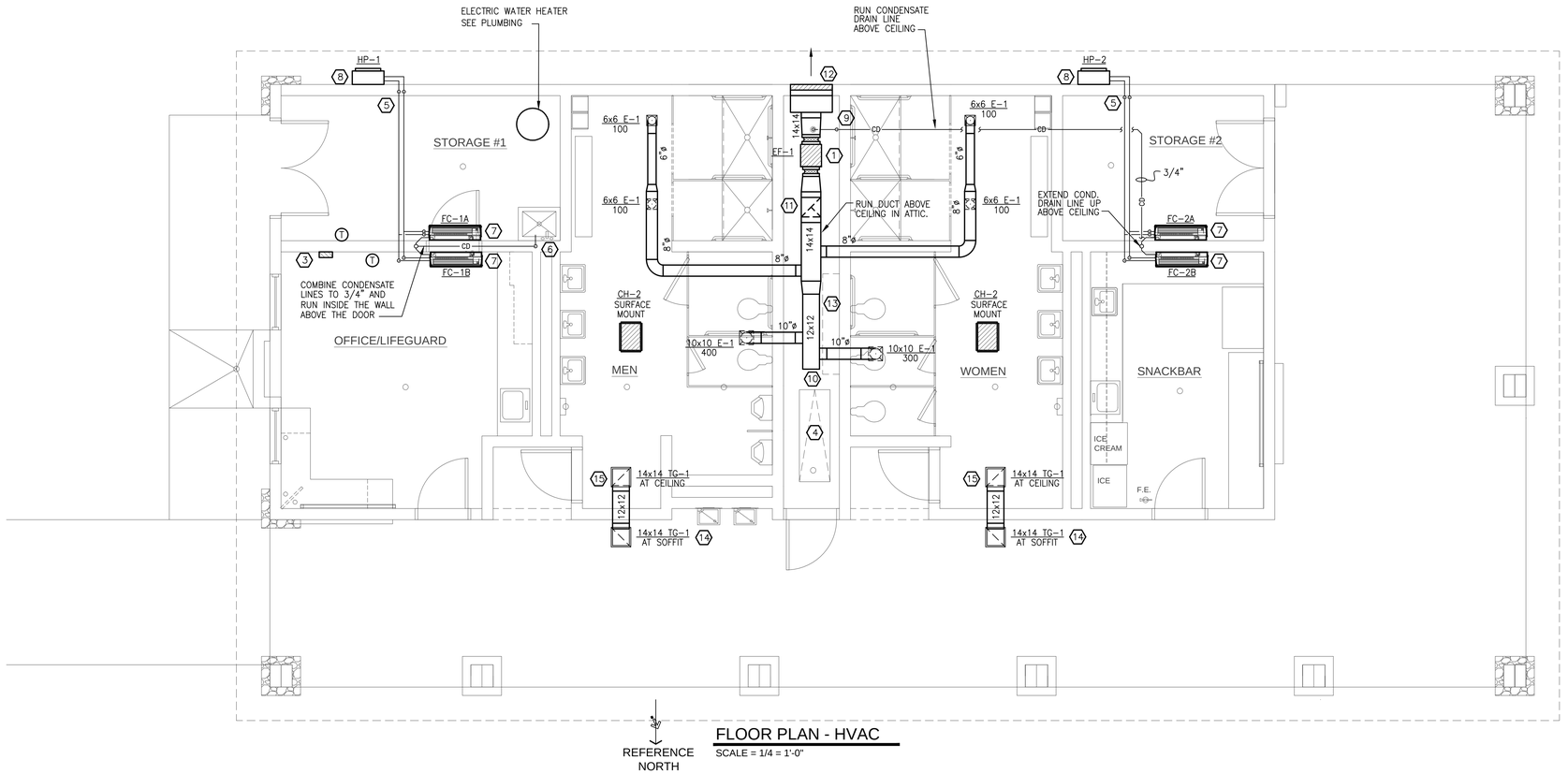
GEORGIA REGISTERED No. 15201 PROFESSIONAL ENGINEER Wright Mitchell Anderson

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

Drawn	RLK
Checked	MMM
Date	09-15-2017
Project	17-013
Sheet Number	M-0.1

Date Printed 09.11.17 2:15 PM



FLOOR PLAN - HVAC

SCALE = 1/4 = 1'-0"

KEYED NOTES:

1. MOUNT EXHAUST FAN AS HIGH AS POSSIBLE BELOW CEILING.
2. EXTEND 14x14 EXHAUST DUCT AND CONNECT TO PLENUM BEHIND LOUVER MOUNTED BELOW CEILING.
3. 7-DAY PROGRAMMED TIMER FOR CONTROL OF EF-1.
4. KEEP THIS AREA CLEAR FOR ATTIC ACCESS.
5. ROUTE REFRIGERANT LINES OVER TO EXTERIOR WALL, TURN DN. AND RUN ALONG INSIDE OF EXTERIOR WALL, EXIT AND CONNECT TO OUTDOOR UNIT
6. ROUTE CONDENSATE DRAIN LINE DN. INSIDE THE WALL, EXIT AND TERMINATE AT MOP SINK.
7. MOUNT UNIT AS HIGH AS POSSIBLE ON WALL.
8. MOUNT UNIT ON MANUFACTURER'S FURNISHED PLATFORM ON WALL AT 48" ABOVE FINISH GRADE.
9. ROUTE CONDENSATE DRAIN LINE DN. ALONG THE INSIDE OF CHASE WALL AND TERMINATE AT FLOOR DRAIN.
10. MAINTAIN A MIN. 1'-0" CLEAR BETWEEN END OF DUCT AND AND ATTIC ACCESS.
11. TURN DUCT DN. FROM ATTIC TO CHASE AND CONNECT TO EF-1
12. 4" DEEP, 24" WIDE x 24" HIGH EXTRUDED ALUMINUM LOUVER WITH BIRDSCREEN. RUSKIN MODEL# ELF375DX. MOUNT AS HIGH AS POSSIBLE BELOW CEILING.
13. RUN ALL DUCTWORK ON INTAKE SIDE OF THE FAN ABOVE CEILING.
14. PROVIDE GRILLE AT THE SOFFIT WITH INSECT SCREEN.
15. PROVIDE TRANSFER GRILLE MOUNTED ON THIS SIDE WITH OPPOSED BLADE DAMPERS.

POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

GEORGIA REGISTERED No. 15297 PROFESSIONAL ENGINEER Mark M. Mitchell MECHANICAL

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

Drawn	RLK
Checked	MMM
Date	09-15-2017
Project	17-013
Sheet Number	M-1.1

Date Printed 09.11.17 2:17 PM

PLUMBING FIXTURE CONNECTION SCHEDULE

MARK	FIXTURE	H.W.	C.W.	W.	REMARKS
P-1	WATER CLOSET – FV	–	1"	4"	FLR MTD, STD HT, 1.28 GPF CONCEALED FLUSH VALVE
P-1A	WATER CLOSET – FV	–	1"	4"	FLR MTD, ADA, 1.28 GPF CONCEALED FLUSH VALVE
P-2	URINAL – WALL HUNG	–	3/4"	2"	0.5 GPF, CONCEALED FV,
P-2A	URINAL – WALL HUNG	–	3/4"	2"	0.5 GPF, CONCEALED FV, ADA
P-3	LAVATORY – WALL HUNG	1/2"	1/2"	1-1/4"	METERING FAUCET, ADA
P-4	DRINKING FOUNTAIN	–	1/2"	1-1/4"	BI-LEVEL
P-5	BREAK SINK	1/2"	1/2"	1-1/2"	TOP MOUNT, ADA
P-6	HAND SINK	1/2"	1/2"	1-1/2"	TOP MOUNT, ADA, GOOSENECK FAUCET
P-7, & 7A	SHOWER HEAD (TILE SHOWER)	1/2"	1/2"	3"	P-7 (STANDARD), P-7 (ADA)
P-8	MOP SINK	1/2"	1/2"	3"	24x24, MOLDED STONE
P-9	SHOWER HEAD (OUTDOOR)	–	1/2"	–	–
P-9A	DRINKING FOUNTAIN (OUTDOOR)	–	1/2"	1 1/4"	–

PLUMBING FIXTURE SCHEDULE

UNLESS OTHERWISE INDICATED NUMBERS ARE AMERICAN STANDARD. EQUAL PRODUCTS: KOHLER, TOTO, CRANE, HALSEY-TAYLOR, JUST, ELJER, OLSONITE, DELTA, SYMMONS, BRADLEY, GERBER, FIAT, ZURN, CHURCH, JOSAM, ELKAY, DELANY, COMFORT SEATS, ACORN, AQUA-GLASS, CENTOCO (OR APPROVED EQUAL).

P-1 WATER CLOSET – FLOOR MOUNTED – CONCEALED FLUSH VALVE – STD HEIGHT:
AMERICAN STANDARD MADERA FLOWISE ELONGATED 15" HIGH #2234.001.020 TOILET, WHITE VITREOUS CHINA, FLOOR MOUNTED, 1.1 US GAL TO 1.28 US GAL PER FLUSH, FULLY GLAZED INTERNAL TRAPWAY, BOLT CAPS, 1-1/2" DIA. TOP SPUD. AMERICAN STANDARD COMMERCIAL #5901.110.020 HEAVY DUTY ELONGATED TOILET SEAT, OPEN FRONT, WHITE SOLID PLASTIC WITH EVERCLEAN SURFACE, LESS COVER, REINFORCED STAINLESS STEEL CHECK HINGES, POST NUTS AND WASHERS. SLOAN #953-1.28-WB CONCEALED HYDRAULIC FLUSHOMETER WITH METAL BUSH-BUTTON, CHROME PLATED (WITH ELBOW), 1.28 GAL PER FLUSH, FIXED VOLUME PISTON WITH FILTERED O-RING BYPASS, 12"x 13" STAINLESS STEEL ACCESS PANEL, FLUSH TUBE, VACUUM BREAKER, FLOOR FLANGE (SAME MATERIAL AS THE CONNECTING PIPE), WITH ALL BRASS BOLTS AND WITH RUBBER GASKET.

P-1A WATER CLOSET – FLOOR MOUNTED – CONCEALED FLUSH VALVE – ADA:
AMERICAN STANDARD MADERA FLOWISE RIGHT HEIGHT ELONGATED 16-1/2" HIGH #3043.001.020 TOILET, WHITE VITREOUS CHINA, FLOOR MOUNTED, 1.1 US GAL TO 1.28 US GAL PER FLUSH, FULLY GLAZED INTERNAL TRAPWAY, BOLT CAPS, 1-1/2" DIA. TOP SPUD. AMERICAN STANDARD COMMERCIAL #5901.110.020 HEAVY DUTY ELONGATED TOILET SEAT, OPEN FRONT, WHITE SOLID PLASTIC WITH EVERCLEAN SURFACE, LESS COVER, REINFORCED STAINLESS STEEL CHECK HINGES, POST NUTS AND WASHERS. SLOAN #953-1.28-WB CONCEALED HYDRAULIC FLUSHOMETER WITH METAL BUSH-BUTTON, CHROME PLATED (WITH ELBOW), 1.28 GAL PER FLUSH, FIXED VOLUME PISTON WITH FILTERED O-RING BYPASS, 12"x 13" STAINLESS STEEL ACCESS PANEL, FLUSH TUBE, VACUUM BREAKER, FLOOR FLANGE (SAME MATERIAL AS THE CONNECTING PIPE), WITH ALL BRASS BOLTS AND WITH RUBBER GASKET.

P-2 URINAL – WALL HUNG – FLUSH VALVE – STD HT – 0.5 GPF:
AMERICAN STANDARD #6550.005 URINAL, VITREOUS CHINA, WALL HUNG, SIPHON JET, 3/4 DIA. TOP SPUD, INTEGRAL P-TRAP, 2? OUTLET, WALL HANGER. SLOAN #186-0.5CP, EXPOSED MANUAL FLUSHOMETER, CHROME PLATED, 0.5 GAL PER FLUSH, FOR 11-1/2 ROUGH-IN. WATTS #CA-321, SINGLE CARRIER, MOUNTED ON CONCRETE FLOOR, UNIVERSAL STEEL HANGAR SUPPORT PLATE WITH INTEGRAL MOUNTING BRACKETS, PLATED HARDWARE. WATTS CO-380-RD URINAL CLEANOUT CAST IRON BODY FERRULE, THREADED BRASS COUNTERSUNK CLEANOUT PLUG, STAINLESS STEEL WALL ACCESS COVER.

P-2A URINAL – WALL HUNG – FLUSH VALVE – ADA HT – 0.5 GPF:
SAME FIXTURE AS P-2 EXCEPT MOUNTED AT ADA REQUIRED HEIGHT.

P-3 LAVATORY – WALL HUNG – METERING FAUCET – ADA:
AMERICAN STANDARD DECLYN #0321.026 BASIN, 19" X 17" X 7-5/8" HIGH, WHITE VITREOUS CHINA CONSTRUCTION, WALL HUNG FOR CARRIER WITH STEEL PLATE, REAR OVERFLOW, FAUCET LEDGE, BACK SPLASH. GERBER #44-346 CHROME PLATED METERING FAUCET, 4" CENTERSET WITH DECK PLATE, BRASS CONSTRUCTION, 1.0 GPM OUTLET. AMERICAN STANDARD #605XTMV1070, POINT OF USE THERMOSTATIC WATER MIXING VALVE, BUILT-IN CHECKS, PROVIDE TEE, ADAPTORS AND FLEX. COPPER TUBING TO SUIT INSTALLATION. MCGUIRE #155WCC OFFSET OPEN GRID DRAIN, CHROME PLATED CAST BRASS ONE PIECE, 1/16" THICK, 1-1/4" TAILPIECE, CHROME FINISH, LIGHT DUTY RESIDENTIAL ANGLE STOPS, ESCUTCHEONS AND FLEXIBLE METAL RISERS. MCGUIRE #8872CB P-TRAP, HEAVY CAST BRASS ADJUSTABLE BODY. MCGUIRE PROWRAP #PW2000WC VANDAL-RESISTANT SANITARY COVERING. WATTS #CA-401, SINGLE, CARRIER, HEAVY GAUGE EPOXY COATED STEEL UPRIGHTS WITH WELDED FEET.

P-4 DRINKING FOUNTAIN, BARRIER FREE UNIVERSAL SPLIT LEVEL DRINKING FOUNTAIN:
OASIS #PACSL (NON-REFRIGERATED) STAINLESS STEEL FOR MOUNTING TO CMU WALL WITH FRONT AND SIDE PUSH BUTTONS, CHROM PLATED STRAINER, TAILPIECE, BOTTOM COVER PLATE, 1-1/4" CHROME PLATED BRASS P-TRAP, 1/2" STOP VALVE WITH FLEXIBLE METAL SUPPLY TUBE.

P-5 SINGLE COMPARTMENT SINK – ADA:
ADA COMPLIANT SINGLE BOWL, 19"X18"X6-1/2" DEEP, STAINLESS STEEL, SELF-RIMMING, TOP MOUNT, ELKAY #LRAD1918 WITH SWIVEL SPOUT FAUCET & SPRAY HOSE, BASKET STRAINER, ELKAY #LKD2452. MCGUIRE #BV170 ANGLE STOPS; CHROME PLATED 'P' TRAP. SET VALVE TEMPERATURE AT 105* F (ASSE 1070 APPROVED).

P-6 HAND SINK – TOP MOUNT-ADA:
ELKAY DAYTON DEP2-11515-C 15" X 15" STAINLESS STEEL HAND SINK WITH LKA-2477-CR GOOSENECK FAUCET WITH D-5018A DRAIN WITH STRAINER; ANGLE SUPPLIES WITH STOPS. MCGUIRE #BV170 ANGLE STOPS; CHROME PLATED 'P' TRAP. SET VALVE TEMPERATURE AT 105* F (ASSE 1070 APPROVED).

P-7 TILE SHOWER – VALVE AND HEAD:
AMERICAN STANDARD T038.501/R110SS 'TROPIC' SHOWER VALVE, C.P., PRESSURE BALANCING CONTROLLER, CAST BRASS BODY WASHERLESS, CERAMIC DRIP-FREE DISC VALVE CARTRIDGE, MAXIMUM TEMPERATURE LIMIT SERVICE STOP, VOLUME CONTROL, SHOWER HEAD, CAST BRASS SHOWER ARM AND SINGLE CONTROL METAL LEVER HANDLE. AMERICAN STANDARD 1660.400.002 VACUUM BREAKER, C.P. IN LINE (MOUNTED IN HOSE AT WALL SUPPLY FITTING). T064.430.002/R420 'SERIN', C.P. TWO WAY IN-WALL DIVERTER, CAST BRASS BODY, METAL LEVER HANDLE.

P-7A TILE SHOWER – VALVE AND HEAD – (ADA):
AMERICAN STANDARD T038.501/R110SS 'TROPIC' SHOWER VALVE, C.P., PRESSURE BALANCING CONTROLLER, CAST BRASS BODY WASHERLESS, WASHERLESS, CERAMIC DRIP-FREE DISC VALVE CARTRIDGE, MAXIMUM TEMPERATURE LIMIT SERVICE STOP, VOLUME CONTROL, SHOWER HEAD, CAST BRASS SHOWER ARM AND SINGLE CONTROL METAL LEVER HANDLE. AMERICAN STANDARD 1662.600.002 'HAND SHOWER' C.P. ADJUSTABLE SPRAY HEAD WITH (2.5 GPM) FLOW, ONE PIECE WALL SUPPLY ELBOW / FLANGE, 24" SLIDE BAR, 59" FLEXIBLE METAL HOSE. AMERICAN STANDARD 1660.400.002 VACUUM BREAKER, C.P. IN LINE (MOUNTED IN HOSE AT WALL SUPPLY FITTING).
T064.430.002/R420 'SERIN', C.P. TWO WAY IN-WALL DIVERTER, CAST BRASS BODY, METAL LEVER HANDLE. SEE ARCHITECTURAL PLANS FOR GRAB BARS AND SEAT REQUIREMENTS.

P-8 MOP SINK – 24x24 MOLDED STONE:
FIAT #MSB-2424 SQUARE SERVICE / MOP SINK, 24" X 24" X 10" DEEP, FLOOR MOUNTED, MOLDED STONE, SEALED TO RESIST STAIN, CAST BRASS DRAIN WITH STAINLESS STEEL STRAINER, 3" OUTLET. GERBER #C4-44-654 WALL MOUNTED TWO HANDLE FAUCET, CHROME PLATED CAST BRASS BODY, INTEGRAL STOPS, HOSE END OUTLET, SPOUT WITH ATMOSPHERIC VACUUM BREAKER AND BUCKET HOOK, LEVER HANDLE, TOP BRACE. EXTRUDED VINYL BUMPER GUARDS (ON TWO SIDES), HOSE AND WALL HOOK, STAINLESS STEEL WALL BRACKET. MOP HANGER STAINLESS STEEL #4 FINISH, 24" LONG WITH 3 RUBBER SPRING LOADED DRIPS. BACK SPLASH PANELS 20 GAUGE TYPE 304 STAINLESS STEEL (ON TWO SIDES). PROVIDE P-TRAP.

P-9 OUTDOOR SHOWER – VALVE AND HEAD:
T & S B-1092 VANDALL RESISTANT SHOWER HEAD, CAST BRASS SHOWER ARM AND SINGLE CONTROL METAL LEVER HANDLE.

P-9A OUTDOOR BARRIER FREE DRINKING FOUNTAIN, SINGLE BUBBLER:
HAWS MODEL 1025, EQUIPPED WITH VANDAL RESISTANT COMPONENTS FOR MOUNTING TO CMU WALL, WITH SIDE PUSH BUTTON, BUBBLER GUARD, DRAIN CLEAN OUT, AND IN LINE STRAINER. MOUNT AT ADA HEIGHT.

DRAINAGE / SPECIALTY PRODUCTS

UNLESS OTHERWISE INDICATED NUMBERS ARE JAY R. SMITH. EQUAL PRODUCTS: WATTS, ZURN, JOSAM AND WADE.

CO-EXPOSED CLEANOUT – UNFINISHED AREAS:
ZURN #CO-2410 PVC CLEANOUT BODY WITH ABS COUNTERSUNK PLUG WITH SLOT.

FCO-CONCRETE/TILE FLOORS:
ZURN #CO-2455 PVC CLEANOUT WITH CAST-IRON ADJUSTABLE HEAD, NICKEL BRONZE FRAME AND COVER, STAINLESS STEEL SECURING SCREWS AND ABS THREADED PLUG.

FD-1 FLOOR DRAINS-GENERAL/RESTROOMS:
ZURN #FD-2210 PVC ADJUSTABLE FLOOR DRAIN WITH 6" DIAMETER ADJUSTABLE NICKEL BRONZE AND HEEL-PROOF STRAINER AND TRAP PRIMER CONNECTION (NON SAFE-WASTE SYSTEMS).

FD-2 FLOOR DRAINS-GENERAL PURPOSE/MECHANICAL ROOM:
ZURN #FD-2330 HEAVY DUTY PVC DRAIN WITH 8" DIAMETER CAST-IRON GRATING, COLLAR AND LEVELING FRAME AND TRAP PRIMER CONNECTION (NON SAFE-WASTE SYSTEMS).

FS FLOOR SINK (1/2 GRATE)
ZURN #FD-2370, 12" SQUARE X 6" DEEP PVC RECEPTOR WITH PVC DOME BOTTOM STRAINER AND 1/2 GRATE.

HB – HOSE BIBB
NIBCO #763 OR EQUAL 3/4" ANGLE SILL COCK WITH CAST COPPER ALLOY BODY AND BONNET, ALUMINUM HANDWHEEL, GRAPHITE PACKING AND BUNA-N SEAT DISC.
LAVATORY-WALL HUNG SUPPORT: JAY R. SMITH #700 FOR MASONRY WALLS AND #700-M31 FOR METAL STUD WALLS.

MTWH – MIXED TEMPERATURE WALL HYDRANT:
JAY R. SMITH FIG. 5560QT-WH NON FREEZE "TWIN TEMP" BRONZE NICKEL PLATED QUARTER TURN HYDRANT WITH 3/4" HOSE CONNECTION, LOCKING COVER WITH T-HANDLE KEY, HOT AND COLD WHEEL HANDLES.

NFWH – WALL HYDRANT-EXPOSED:
JAY R. SMITH FIG. 5609-QT NON FREEZE 3/4" CAST BRONZE HYDRANT WITH BRONZE CASING, INTEGRAL VACUUM BREAKER, NICKEL BRONZE FACE, AND SIZED IN ACCORDANCE WITH WALL THICKNESS.

TP-"A"-AUTOMATIC TRAP PRIMER:
PPP PRIME-RITE SERIES AUTOMATIC TRAP PRIMER WITH MULTIPLE OUTLET DISTRIBUTION UNITS AS REQUIRED.

WCO-WALL CLEANOUT – FINISHED AREAS:
ZURN CO-2413 OR 2411 PVC CLEANOUT BODY WITH BRASS THREADED INSERT AND CO-2530 S.S. COVER WITH SECURING SCREW.

WHA – WATER HAMMER ARRESTORS:
JAY R. SMITH 5000 SERIES ALL STAINLESS STEEL "HYDROTROLS". INSTALL IN AN UPRIGHT POSITION AT ALL FLUSH VALVES, AND OTHER QUICK CLOSING VALVES. LOCATE AND SIZE AS INDICATED ON DRAWINGS OR IN ACCORDANCE WITH PDI STANDARD WH-201.

YCO-EXTERIOR PAVED/CONCRETE AREAS:
JAY R. SMITH FIG. 4261-U C.I. FLANGED HOUSING WITH HEAVY DUTY C.I. COVER, LIFTING DEVICE, GASKET SEAL THREADED PLUG, V.P. SCREWS IN COVER.

YCO-EXTERIOR UNSURFACED AREAS:
JAY R. SMITH FIG. 4261-U C.I. FLANGED HOUSING WITH HEAVY DUTY C.I. COVER, LIFTING DEVICE, GASKET SEAL THREADED PLUG, V.P. SCREWS IN COVER. PROVIDE 24" x 12" CONCRETE PAD FLUSH WITH SURFACE.

PLUMBING NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ELEVATIONS OF ALL PLUMBING FIXTURES.
2. ALL PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2012 INTERNATIONAL PLUMBING CODE AND ALL APPLICABLE AMENDMENTS.
3. SEE PLUMBING SPECIFICATIONS FOR PLUMBING PIPING AND FITTING MATERIALS AND INSTALLATION EXECUTION.
3. SEE PLUMBING SPECIFICATIONS FOR PLUMBING PIPING INSULATION MATERIALS AND INSTALLATION EXECUTION.
4. ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. WATER PIPING SHALL BE HUNG USING COPPER LOOP HANGERS WITH INSULATION AND PIPE SADDLES OVER COPPER PIPING. SANITARY AND VENT PIPING SHALL BE HUNG USING GALVANIZED LOOP HANGERS FOR CAST IRON PIPING.
5. WATER PIPING ROUTED IN EXTERIOR WALLS SHALL BE ROUTED ON THE HEATED SIDE (INSIDE) OF WALL INSULATION.
6. SANITARY AND DRAINAGE PIPING 2" AND SMALLER SHALL BE SLOPED AT 1/4" PER FOOT MINIMUM, PIPING 3" AND LARGER SHALL BE SLOPED AT 1/8" PER FOOT MINIMUM, UNLESS SHOWN OTHERWISE ON THE PLANS.
7. TOPS OF ALL FLOOR DRAINS AND CLEAN OUTS SHALL BE SET FLUSH WITH FINISHED FLOOR.
8. PLUMBING PIPING IS NOT TO BE INSTALLED IN ELECTRICAL ROOMS OR CLOSETS, TELEPHONE ROOMS, OR ELEVATOR EQUIPMENT ROOMS EXCEPT PIPING SERVING THAT SPECIFIC ROOM.
9. LOCATE ALL SECTIONAL OR MAIN CONTROL VALVES WITHIN 1'-0" FROM ACCESS PANELS, CEILING TILES, OR OTHER POINT OF ACCESS.
10. ALL COLD WATER, HOT WATER AND DRAIN PIPING AT HANDICAPPED FIXTURES SHALL BE INSULATED WITH HANDI-LAV GUARD MODELS 102 AND 105 INSULATION KITS.
11. ALL EXPOSED PIPING PENETRATING CEILINGS AND WALLS SHALL BE INSTALLED WITH CHROME-PLATED ESCUTCHEONS AT THE PENETRATION. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER AND SHALL BE PROTECTED AS REQUIRED BY LOCAL CODE AUTHORITY.
12. PROVIDE WATER HAMMER ARRESTORS SIZED PER PDI SPECIFICATIONS ON ALL DOMESTIC WATER LINES WHERE NOTED ON THE DRAWINGS.
13. PROVIDE A BASE CLEAN OUT AT THE LOWEST LEVEL OF ALL SANITARY AND WASTE STACKS.
14. PROVIDE A MANUFACTURED EXPANSION DEVICE OR FABRICATED EXPANSION LOOP ON ALL PIPING SYSTEMS CROSSING BUILDING EXPANSION JOINTS.
15. SHOP DRAWINGS SHALL BE SUBMITTED TO AND REVIEWED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY EQUIPMENT OR SYSTEMS. SHOP DRAWINGS SHALL INCLUDE: ALL EQUIPMENT SCHEDULED ON THE DRAWINGS; PLUMBING FIXTURES AND TRIM; WATER HEATERS AND ACCESSORIES.
16. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
17. ALL PLUMBING EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE.
18. ALL PLUMBING EQUIPMENT, PIPING, INSULATION, ETC. INSTALLED IN HVAC PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
19. ALL PIPE PENETRATIONS OF FIRE AND/OR SMOKE-RATED ASSEMBLIES SHALL BE FIRE-STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY 3M COMPANY, CP25 CAULK, CS195 COMPOSITE PANEL, FS195 WRAP/STRIP, OR PSS 7900 SERIES SYSTEMS AS RECOMMENDED BY MANUFACTURER FOR PARTICULAR APPLICATION, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS.
20. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO ANY BID SUBMISSION TO FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS. THE CONTRACTOR SHALL MAKE ADJUSTMENTS IN ROUTING AND LOCATION AND, IF NECESSARY, IN SIZE, IN ORDER TO ACHIEVE THE SPECIFIED PERFORMANCE WITHOUT INCURRING ADDITIONS TO THE CONTRACT. WHERE EXISTING CONDITIONS DIFFER SIGNIFICANTLY ENOUGH TO AFFECT PRICING, THE CONTRACTOR SHALL NOTIFY THE BUILDING OWNER/MANAGER PRIOR TO BID SUBMISSION FOR A RESOLUTION. NO ALLOWANCE WILL BE MADE FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS.
21. PERFORM CORING, CUTTING , FITTING REPAIRING AND FINISHING OF THE WORK NECESSARY FOR THE INSTALLATION OF THE EQUIPMENT ON THIS PROJECT. HOWEVER, NO CUTTING OF THE WORK OF OTHER TRADES OR OF ANY STRUCTURAL MEMBER SHALL BE DONE WITHOUT THE CONSENT OF THE ARCHITECT AND PROPERTY MANAGER. PROPERLY FILL, SEAL, FIREPROOF AND WATERPROOF ALL OPENINGS, SLEEVES, AND HOLES IN SLABS. FURNISH AND INSTALL ALL REQUIRED SLEEVES AND INSERTS.
22. ALL FLOOR PENETRATIONS THROUGH CONCRETE SLABS MUST BE CORE-BORED OR SAWCUT, SLEEVED, SEALED, FIRESTOPPED AND WATERPROOFED. ALL PIPING SLEEVES SHALL EXTEND A MINIMUM OF 4" ABOVE FINISHED FLOOR.
23. TESTING OF ALL WATER PIPING AND DRAINAGE PIPING SHALL FOLLOW 2012 INTERNATIONAL PLUMBING CODE AND ALL STATE AMENDMENTS.
24. PROTECTION OF THE WATER SUPPLY SYSTEM FOR THIS FACILITY SHALL MEET THE BACKFLOW PREVENTION DEVICE REQUIREMENTS OF THE 2012 IPC.
25. PIPING IDENTIFICATION SHALL BE APPLIED TO THE FOLLOWING PIPES USING BRADY SELF-ADHESIVE TYPE WITH DIRECTIONAL TAPE: NATURAL GAS, HOT WATER, COLD WATER, HOT WATER RECIRCULATING, COMPRESSED AIR, PUMPED DISCHARGE, GREASE WASTE, SANITARY, VENT AND STORM PIPING.

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	A/C	ABOVE CEILING
	A/F	ABOVE FLOOR
	AAV	AIR ADMITTANCE VALVE
	AFF	ABOVE FINISHED FLOOR
	AFG	ABOVE FINISHED GRADE
	AP	ACCESS PANEL
	AVB	ATMOSPHERIC VACUUM BREAKER
	B/C	BELOW COUNTER
	B/F	BELOW FLOOR
	B/G	BELOW GRADE
	BFP	BACKFLOW PREVENTOR
	BV	BALL VALVE
CA	CA	COMPRESSED AIR
CD	CD	CONDENSATE DRAIN
	CTE	CONNECT TO EXISTING
	CV	CHECK VALVE
	CO	CLEANOUT
	CW	COLD WATER PIPING
	DCV	DOUBLE CHECK VALVE
	DN	PIPING TURNING DOWN
	ERD	EMERGENCY (OVERFLOW) ROOF DRAIN
	EWH	ELECTRIC WATER HEATER
	FAV	FRESH AIR VENT (SAFEWASTE)
	FAVTR	FRESH AIR VENT THRU ROOF (SAFEWASTE)
	FCO	FLOOR CLEANOUT
	FD	FLOOR DRAIN
	FS	FLOOR SINK
	G	GAS PIPING
MG	MG	GAS PIPING – MEDIUM PRESSURE
	GV	GATE VALVE
	GLV	GLOBE VALVE
	GT	GREASE TRAP
GW	GW	GREASE WASTE PIPING
	GWH	GAS WATER HEATER
	HB	HOSE BIBB
	HC	HANDICAPPED
	HD	HUB DRAIN
	HW	HOT WATER PIPING
	HWR	HOT WATER RETURN (RECIRCULATING) PIPING
	IE	INVERT ELEVATION
	ISB	ICEMAKER SUPPLY BOX
	IW	INDIRECT WASTE
M	–	SUB-METER (WATER OR GAS)
	O/H	OVER HEAD
	OFCI	OWNER-FURNISHED, CONTRACTOR-INSTALLED
	–	P-TRAP
	PD	PUMPED DISCHARGE
	PV	PLUG VALVE
	PRV	PRESSURE REDUCING VALVE
	RD	ROOF DRAIN
	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
SAN	S OR W	SANITARY OR WASTE PIPING
ST	ST	STORM DRAINAGE PIPING
	TP	TRAP PRIMER
	---	UNION
	UP	PIPING TURNING UP
		VALVE IN RISE
	V	VENT PIPING
	VS	VENT STACK
	VTR	VENT THRU ROOF
	WCO	WALL CLEANOUT
	WHA	WATER HAMMER ARRESTOR
	WH/NFWH	WALL HYDRANT/NON-FREEZE WALL HYDRANT
	WS	WASTE STACK
	YCO	YARD CLEANOUT

WATER HEATER SCHEDULE

ITEM	AREA SERVING /LOCATION	MANUF. / MODEL	STORAGE CAPACITY GALLONS	GAL/HR /DEG. RISE	TEMP OF WATER TO BE DELIVERED	ELECTRICAL		NATURAL GAS		NOTES
						VOLT/PH	KW	BTUH INPUT	FLUE SIZE	
EWH-1	FACILITY / STORAGE # 1	SANDBLASTER SB6 82 18 IFE	82	73 GPH/ 100°F	140°F	SEE ELECTRICAL	18	–	– –	1 & 2

NOTE:
1. ALL UNITS SHALL MEET ASHRAE 90-75 AND ALL LOCAL CODE REQUIREMENTS.
2. PROVIDE T&P RELIEF AND EXTEND TO OUTSIDE OF BLDG.

POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

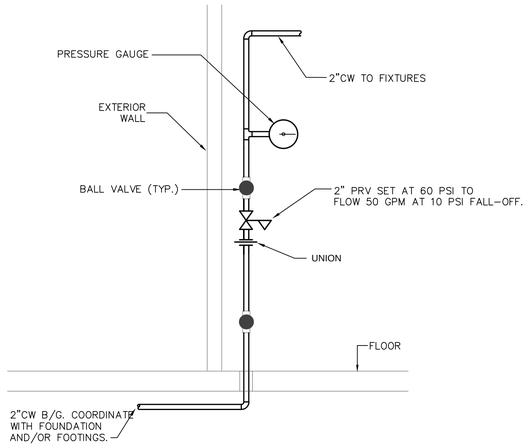
GEORGIA REGISTERED No. 15097 PROFESSIONAL ENGINEER Wright Mitchell & Associates Inc

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

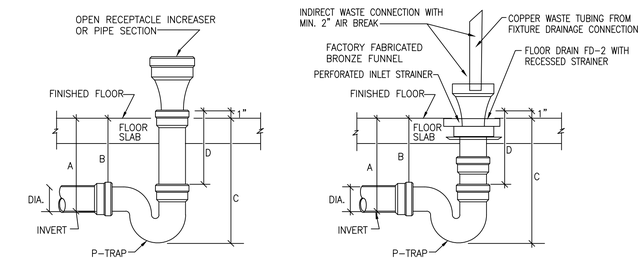
Revisions

Drawn	AL
Checked	MMM
Date	09-15-2017
Project	17-013
Sheet Number	P-0.1

Date Printed 09.13.17 1:27 PM

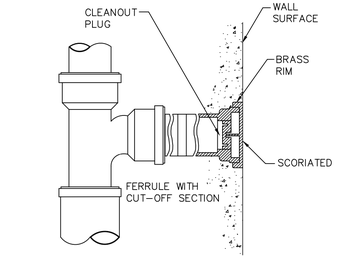


WATER ENTRANCE DETAIL
NO SCALE

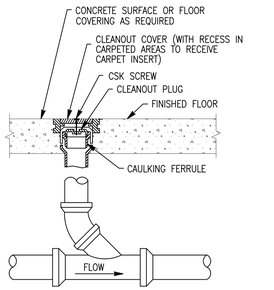


DIA.	HUB AND SPIGOT				NO-HUB				MAX. G.P.M. CAPACITY
	A	B	C	D	A	B	C	D	
2"	9 1/2"	6 3/4"	13 3/4"	12"	11"	8 3/4"	18 1/4"	12"	7
3"	10 1/4"	6 1/2"	15"	12"	11 3/4"	8 1/2"	19 1/2"	12"	10
4"	11"	6 1/4"	18 1/4"	12"	12 1/2"	8 1/4"	21 1/4"	12"	43

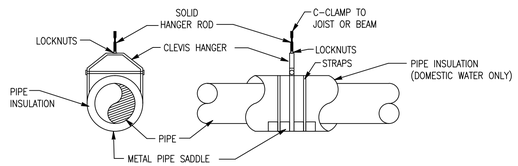
HUB DRAIN DETAIL
NO SCALE



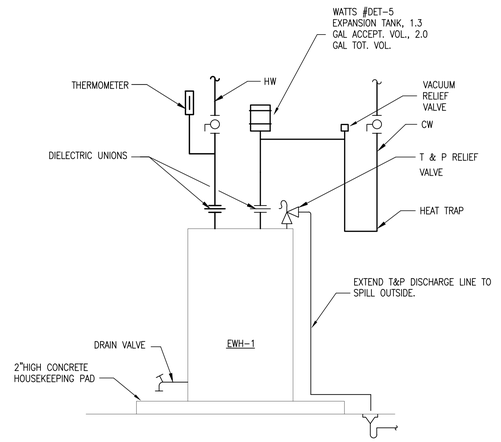
WALL CLEANOUT DETAIL
NO SCALE



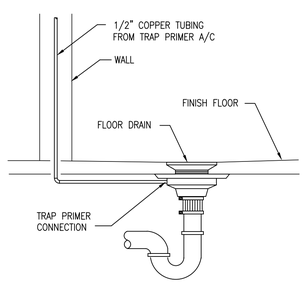
FLOOR CLEANOUT DETAIL
NO SCALE



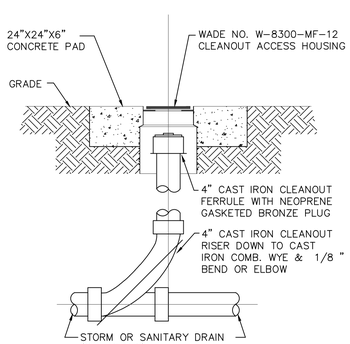
PIPE HANGER DETAIL
NO SCALE



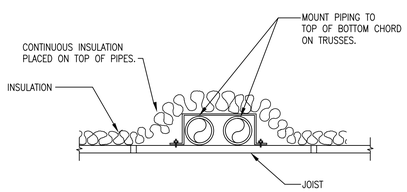
ELECTRIC WATER HEATER DETAIL
NO SCALE



FLOOR DRAIN DETAIL
NO SCALE



YARD CLEANOUT DETAIL
NO SCALE



Pipe Above Ceiling Detail
SCALE: NONE

POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

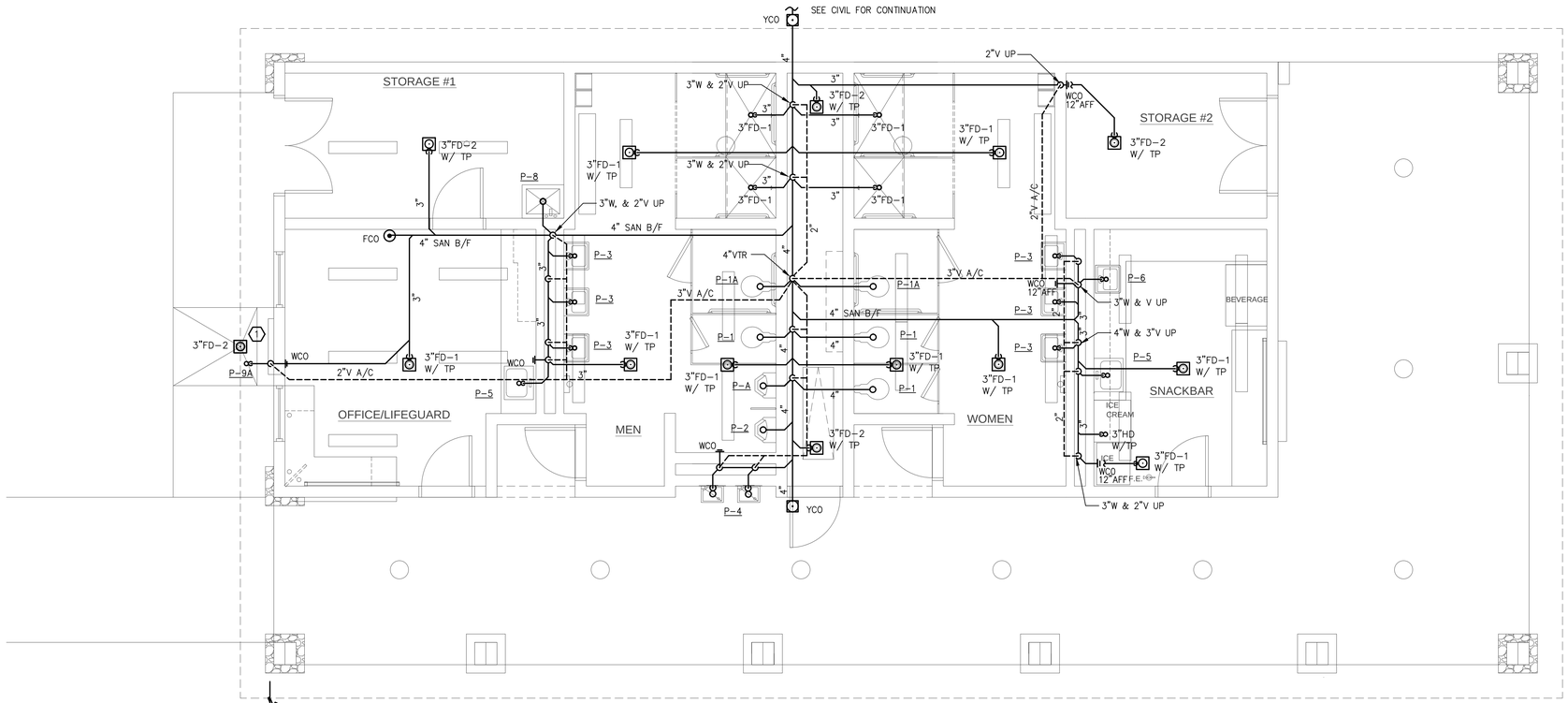
GEORGIA REGISTERED No. 15297 PROFESSIONAL ENGINEER MICHAEL MITCHELL

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

Drawn	AL
Checked	MMM
Date	09-15-2017
Project	17-013
Sheet Number	P-0.2

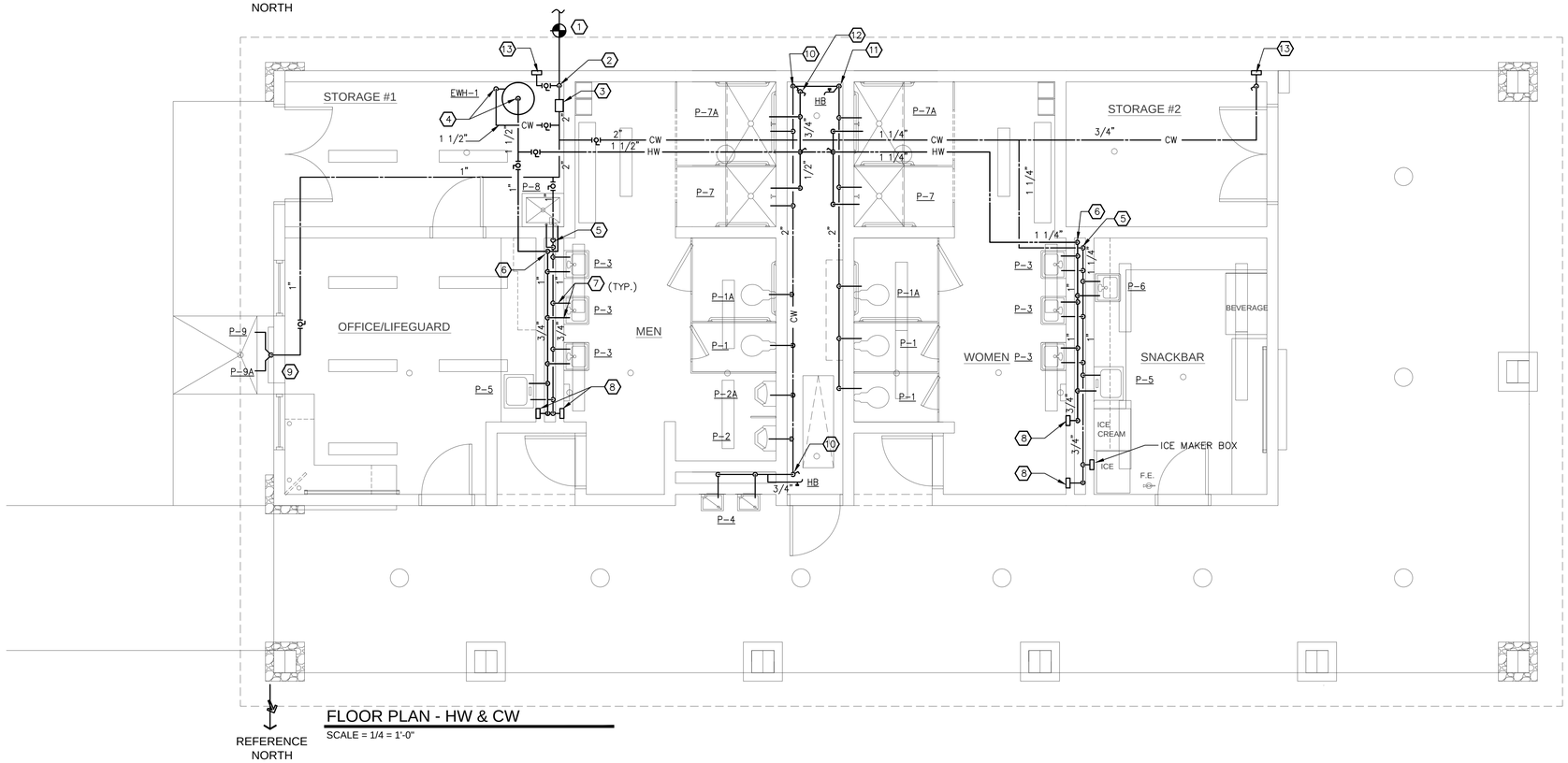
Date Printed 09.13.17 1:28 PM



REFERENCE NORTH

FLOOR PLAN - SANITARY & VENT

SCALE = 1/4 = 1'-0"



REFERENCE NORTH

FLOOR PLAN - HW & CW

SCALE = 1/4 = 1'-0"

KEYED NOTES: SANITARY AND VENT

1. EXTEND TO STORM DRAIN. COORDINATE WITH ARCHITECTURAL PLANS.

GENERAL NOTES: DOMESTIC WATER

1. INSTALL ALL WATER PIPING IN THE ATTIC UNDER INSULATION RUN TO TOP OF BOTTOM CORD OF JOIST, SEE DETAIL.

KEYED NOTES: DOMESTIC WATER

1. 2" INCOMING DOMESTIC CW SERVICE WITH 3'-0" DEPTH OF COVER – FINISHED AND INSTALL A GATE VALVE IN THE ROAD BOX AT FINISHED GRADE IN THE 18"X18"X6" CONCRETE PAD AT FINISHED GRADE. SEE CIVIL DRAWINGS FOR CONTINUATION UNDERGROUND ON SITE. 2" DOUBLE CHECK VALVE BACKFLOW PREVENTER TO BE INSTALLED IN OVERSIZED METER BOX AT FINISHED GRADE BY CIVIL DIVISION – COORDINATE WITH ALL TRADES.
2. 2" CW UP – FURNISH AND INSTALL A 2" BALL VALVE AT 12" AFF, WITH 3/4" HOSE BIBB DRAIN VALVE AT LOW POINT OF SERVICE ENTRANCE. NOTE: ALL PORTIONS OF THE WATER PIPING SHALL BE RUN ON HEATED SIDE OF BUILDING INSULATION BARRIER. ALL WATER PIPING SHALL BE SLOPED DRAIN AT ALL LOW POINTS WITH HOSE BIBB/DRAIN CONNECTION AT LOW POINTS FOR FREEZE PROTECTION. ENTIRE SYSTEM IS TO BE DRAINED IN LOW TEMPERATURE CONDITIONS TO PREVENT FREEZING AND BURSTING OF ANY WATER LINES. MAINTAIN FULL CHASE ACCESS CLEARANCE THROUGHOUT LENGTH OF THE MAIN PLUMBING CHASE, KEEP PASSAGES CLEAR FOR ACCESS TO PIPING AND ATTIC PULL DOWN STAIRS.
3. 2" PRESSURE REDUCING VALVE WITH FULL SIZE VALVED BYPASS – INSTALL IN ACCESSIBLE POSITION AT 7'–0" MAX. AFF FOR MAINTENANCE/ADJUSTMENT. (SEE DETAIL)
4. 1 1/2" H&CW DOWN TO WATER CONNECTIONS AT EWH–1. (SEE DETAIL)
5. 1" CW DOWN TO 1" HEADER – SLOPE TO DRAIN TOWARD WALL HYDRANT AT END OF HEADER SET FLUSH WITH FINISHED WALL.
6. 1" HW DOWN TO 1" HEADER – SLOPE TO DRAIN TOWARD WALL HYDRANT AT END OF HEADER SET FLUSH WITH FINISHED WALL.
7. 1/2" H&CW STUBS FROM HEADER – RISE FROM HEADER TO MAKE CONNECTION TO ALLOW PROPER DRAINAGE FROM ALL TRAPPED PORTIONS OF PIPING TO THE MAIN HEADERS.
8. 3/4" BOX HYDRANT AT 18" AFF. HEADERS TO DRAIN TO THESE HYDRANTS.
9. 1" CW DN. TO P–9 ON HEATED SIDE OF BUILDING INSULATION BARRIER FOR FREEZE PROTECTION. EXTEND 3/4" CW DN. TO 3/4" NON–FREEZE BUBBLER FOUNTAIN (P–9A) WITH TEE HANDLE AND VACUUM BREAKER FOR FOOT WASH FAUCET AT 18" AFF.
10. 2" CW DN TO 2" CW HEADER TO RUN FULL LENGTH OF CHASE EACH SIDE, KEEP CHASE ACCESS CLEAR FOR MANWAY PASSAGE THROUGHOUT THE LENGTH OF THE CHASE. FURNISH AND INSTALL A 3/4" HB WITH VB AT LOW POINTS TO ALLOW FULL AND COMPLETE DRAINAGE DURING FREEZING CONDITIONS (TYP)
11. 2" CW TO 2" CW HEADER RUNNING IN CHASE CONTINUOUS AS SHOWN – – FURNISH AND INSTALL HB/DRAIN VALVE WITH VB AT ALL LOW POINTS (TYP).
12. 3/4" HW HOSE BIBB/DRAIN VALVE AT END OF HW SYSTEM LOW POINTS (TYP)
13. 3/4" NON FREEZE WALL HYDRANT RECESSED FLUSH WITH FINISHED WALL, STAINLESS STEEL BOX WITH TEE HANDLE ACCESS KEY AND OPERATING NUT. FURNISH WITH REQUIRED SHANK FOR EXTENSION INTO HEATED SPACE, MOUNT AT 36" AFF.

POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

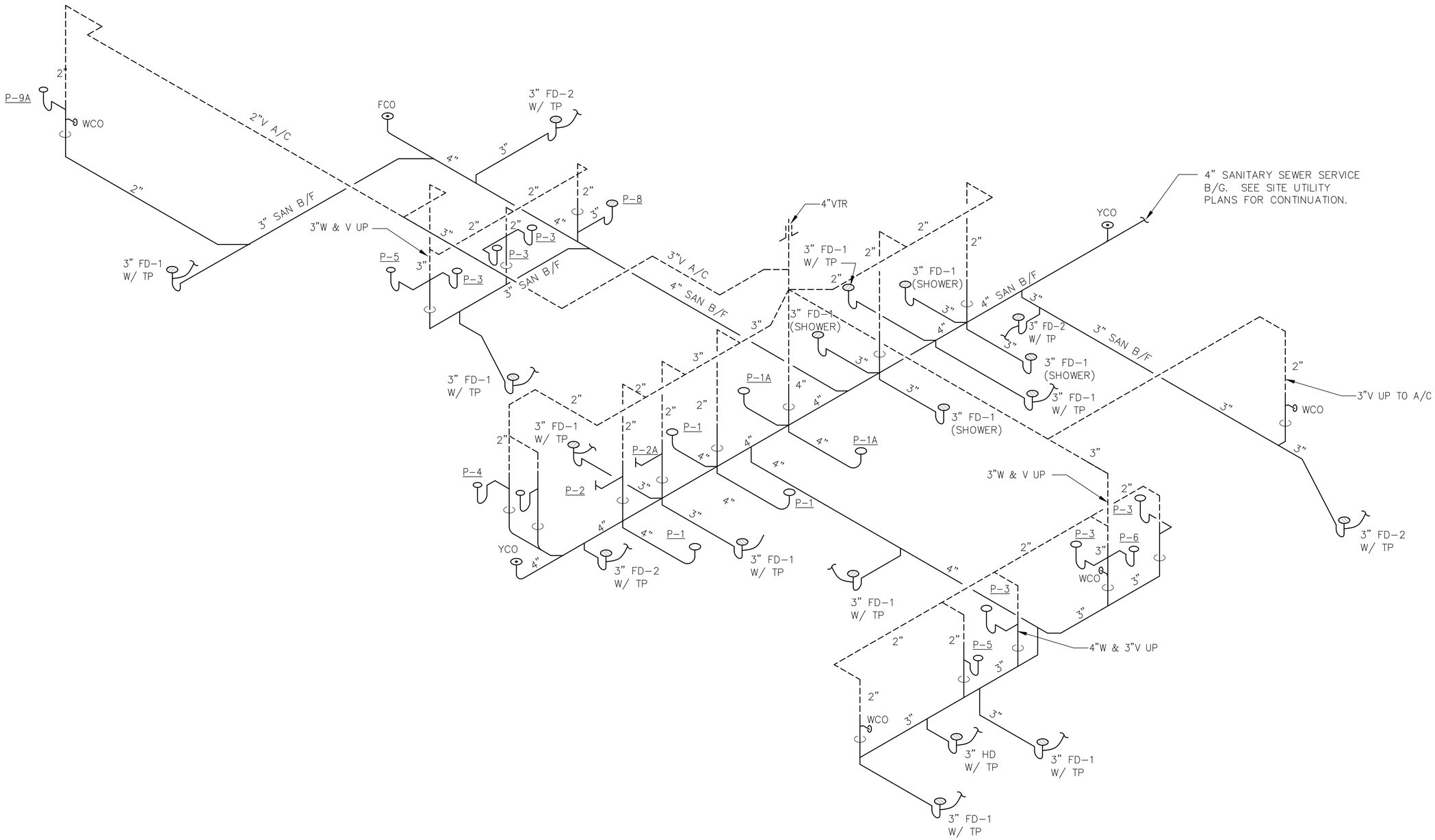
GEORGIA REGISTERED No. 15297 PROFESSIONAL ENGINEER William Alan Mitchell

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

Drawn	AL
Checked	MMM
Date	09-15-2017
Project	17-013
Sheet Number	P-1.1

Date Printed 09.13.17 1:28 PM



WASTE & VENT RISER DIAGRAM

NO SCALE

POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

Drawn	AL
Checked	MMM
Date	09-15-2017
Project	17-013
Sheet Number	P-2.1

Date Printed 09.13.17 1:31 PM

STRUCTURAL GENERAL NOTES

GENERAL

STUCTURAL CONSTRUCTION SHALL CONFORMTO THE FOLLOWING GENERAL SPECIFICATIONS, SEE FULL PROJECT MANUAL AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.IN ADDITION CONFORM TO THE FOLLOWING: INTERNATIONAL BUILDING CODE 2012 WITH GEORGIA AMENDMENTS

DESIGN LOADS

A. DESIGN ROOF LIVE LOAD:
   1. 20 PSF (REDUCTION PER CODE)
B. DESIGN FLOOR LIVE LOAD:
   1. 100 PSF SLAB-ON-GRADE
   DESIGN WIND LOAD: WIND- 116 MPH ULTIMATE
   OCCUPANCY CLASS II
C. IMPORTANCE FACTOR 1.0

FOUNDATIONS

A. SLABS ARE DESIGNED FOR A SOIL BEARING CAPACITY OF 2000 PSF.
B. SLAB BEARING CAPACITY SHALL BE VERIFIED BY A REGISTERED GEOTECHNICAL TESTING LAB.
C. THE BUILDING PAD SHALL BE PROPERLY PREPARED UNDER THE DIRECTION OF A REGISTERED GEOTECHNICAL TESTING LAB TO PROVIDE SUITABLE BEARING CONDITIONS .FOOTING EXCAVATIONS AND SLAB SUPPORT SHALL BE INSPECTED BY A REGISTERED GEOTECHNICAL TESTING LAB TO VERIFY DESIGN REQUIREMENTS AND TO REPORT AND CORRECT ADVERSE CONDITIONS. FURNISH THE ARCHITECT A COPY OF THE REPORT.
D. UNLESS OTHERWISE NOTED THE CONTRACTOR SHALL ENGAGE A QUALIFIED TESTING LAB. THE CONTRACTOR SHALL SCHEDULE TESTING INSPECTIONS AND COOPERATE WITH THE TESTING LAB.
E. ALL UNSUITABLE SOIL MATERIAL, ORGANICS, DEBRIS, AND TOPSOIL SHALL BE REMOVED FROM THE BUILDING AREA AND 5' BEYOND. IF PLACEMENT OF FILL IS REQUIRED IT SHALL BE PLACE IN ACCORDANCE WITH ACCEPTED PRACTICES AND INSPECTED BY THE TESTING LAB TO VERIFY COMPACTION. SOILS SHALL BE COMPACTED TO 98% STANDARD PROCTOR FOR THE UPPER 12". THE BALANCE OF FILL SHALL BE PLACED AT 95% STANDARD PROCTOR.
F. COORDINATE PLACEMENT OF TERMITE TREATMENT WITH FOOTING EXCAVATION AND CONCRETE PLACEMENT.
G. THE BOTTOMS OF ALL FOOTINGS AND TURN DOWN SLABS SHALL BE A MINIMUM OF 12" BELOW GRADE FOR FREEZE PROTECTION.
H. THERE SHALL BE NO CONSTRUCTION JOINTS IN FOUNDATION PLACEMENT WITHOUT WRITTEN APPROVAL OF THE ARCHITECT.
I. FOUNDATION CONCRETE SHALL BE PLACED THE SAME DAY AND IN THE SAME CONDITION AS WHEN TESTED FOR ADEQUATE BEARING. IF BEARING CONDITIONS ARE DISTURBED OR SUBJECT TO RAIN THEY MUST BE REINSPECTED BEFORE PLACING CONCRETE.
J. PROVIDE DEWATERING TO MAINTAIN DRY EXCAVATIONS. COORDINATE LOCATIONS OF UNDERGROUND PIPING AND CONDUIT. ALL FOOTINGS SHALL STEP BELOW UNDERGROUND UTILITIES.
K. COORDINATE LOCATION OF SLOPED FLOORS AND FLOOR FINISHES THAT REQUIRE RECESSES.

CONCRETE

A. ALL CONCRETE DESIGN AND CONSTRUCTION SHALL COMPLY WITH ACI 318 AND ACI-301, CURRENT EDITIONS.
B. CEMENT SHALL BE TYPE I OR III AND SHALL BE IN ACCORDANCE WITH ASTM C-150. CONCRETE SHALL DEVELOP A MINIMUM 28 DAY COMPRESSIVE STRENGTH AS FOLLOWS:
   FOOTINGS: 3000 PSI
   SLAB ON GRADE: 3000 PSI
C. AN INDEPENDENT QUALIFIED TESTING LAB SHALL SAMPLE FRESH CONCRETE TAKE REPRESENTATIVE TESTING CYLINDERS IN ACCORDANCE WITH ASTM-C94.
D. TECHNICIAN PERFORMING TEST SHALL BE CERTIFIED EQUIVALENT TO ACI CP-2 CONCRETE FIELD TESTING TECHNICIANS- GRADE 1.TESTING SHALL BE AT THE FOLLOWING FREQUENCY;
   1. MINIMUM 1 EACH DAY POUR
   2. 1 FIRST 25 CY OF CONCRETE AND 1 ADDITION FOR EACH ADDITIONAL 50 CY PLACED IN ONE DAY.
E. CONCRETE SHALL BE TESTED FOR SLUMP, AIR CONTENT, CONCRETE TEMPERATURE, AND COMPRESSIVE STRENGTH. REPORTS SHALL BE MADE TO THE ARCHITECT AND THE JOB SITE.
F. CONCRETE SHALL HAVE A SLUMP OF 3"-5" EXTERIOR CONCRETE SHALL HAVE 4-7% AIR-ENTRAINMENT. INTERIOR CONCRETE 0-3% AIR-ENTRAINMENT.
G. FLY ASH (POZZOLANS) ASTM C618 MAY BE PARTIALLY SUBSTITUTED FOR CEMENT NOT TO EXCEED 25%. ADJUST AMOUNT OF FLY ASH DEPENDING ON THE WEATHER CONDITIONS.
H. UNLESS OTHERWISE SHOWN CONCRETE COVER FOR STEEL REINFORCING SHALL BE AS FOLLOWS:
   CONCRETE CAST AGAINST EARTH WITHOUT WATERPROOFING: 3"
   FORMED CONCRETE CAST AGAINST EARTH OR EXPOSED TO WEATHER: 2" PROTECTED CONCRETE: 3/4"
I. DO NOT ADD ADDITIONAL WATER TO TRANSIT CONCRETE AT THE SITE
J. COPIES OF ALL TESTING SHALL BE MAINTAINED ON JOB SIT.

SLABS ON GRADE

A. CONCRETE OF SLABS ON GRADE SHALL ONLY BE PLACED WHEN SUGRADE, AGGREGATE BASE, VAPOR BARRIERS, REINFORCEMENTS, FORMS ARE ACCEPTABLE AND HAVE BEEN INSPECTED AND APPROVED.
B. CONTROL JOINTS (CJ)SHALL BE CUT INTO SLABS AT A DEPTH OF ¼ THE SLAB THICKNESS WITHIN 12 HOURS OF PLACING THE CONCRETE AND AS SOON AS THE SLAB CAN SUPPORT WORKERS AND EQUIPMENT.
C. WHERE CONSTRUCTION JOINTS ARE NEEDED TO INTERRUPT A CONTINUOUS POUR THE CONSTRUCTION JOINT SHALL BE FORMED WITH A KEY AND SHALL BE A MINIMUM 6' DEEP. PREFORMED METAL KEYS SHALL NOT BE USED.
D. WELDED WIRE FABRIC USED FOR REINFORCEMENT SHALL BE PLACED AT A CONSISTENT DEPTH OF 1" FROM THE TOP OF THE SLAB. USE MATS NOR ROLLED FABRIC. OVERLAP REINFORCING SHEETS TWO FULL PANELS AND TIE.
E. CHECK DRAWINGS FOR SLAB FINISHES, DEPRESSIONS, ELEVATIONS, EMBEDDED ITEMS. PLACE CONDUITS AND PLUMBING PIPES BELOW THE SPECIFIED SLAB THICKNESS .
F. CURE SLABS IN ACCORDANCE WITH ACI 301 PROCEDURES. BEGIN CURING PROCEDURES IMMEDIATELY AFTER CONCRETE HAS ACHIEVED INITIAL SET.CURING SHALL BE COMPATIBLE WITH PROPOSED FLOOR FINISH.

REINFORCING STEEL

A. REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 DEFORMED BARS UNLESS OTHERWISE NOTED. BAR SIZES ARE GIVEN IN STANDARD ENGLISH UNITS UNLESS NOTED AS METRIC SIZES.
B. CONFORM TO ACI 315, MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, AND CRSI MSP-1, MANUAL OF STANDARD PRACTICE, LATEST EDITIONS.
C. SLICES SHALL BE LAPPED PER THE FOLLOWING TABLE WHERE NOT OTHERWISE INDICATED:

BAR SIZE	TENSION LAPS (INCHES)	COMPRESSION LAPS (INCHES
#3	28	12
#4	37	15
#5	46	19
#6	56	23

   DOWEL EMBEDMENT: 22 BAR DIAMETERS

D. ALL REINFORCEMENT SHALL BE SUPPORTED WITH APPROPRIATE TIES AND ACCESSORIES AND SHALL BE SECURED IN FORMS WITH PROPER SPACING AND CLEARANCES IN ACCORDANCE WITH CRSI , MANUAL OF STANDARD PRACTICES.
E. PROVIDE CORNER BARS FOR ALL LONGITUDINAL REINFORCING BARS IN FOOTINGS OR WALLS.

MASONRY

A. CONCRETE MASONRY UNITS (CMU) SHALL BE ASTM C90 LIGHTWEIGHT (105 PCF) GRADE N, WITH MINIMUM COMPRESSIVE STRENGTH OF 1500 PSI.
B. GROUT SHALL BE ASTM C476 2000PSI AT 28 DAYS COMPRESSIVE STRENGTH.
C. MORTAR SHALL BE S FOR REINFORCED MASONRY AND TYPE M BELOW GRADE AND IN CONTACT WITH EARTH
D. MASONRY JOINT REINFORCING SHALL BE LADDER TYPE WITH 9 GAGE WIRE PER ASTM A82, HOT DIPPED GALVANIZED ASTM A123 CLASS B-2 (1.5 OZ SQ/FT) FOR ALL EXTERIOR WALL ASSEMBLIES AND ASTM A 641 CLASS 1 ZINC COATING(0.40 OZ SQ/FT) FOR INTERIOR PARTITIONS. PROVIDE JOINT REINFORCEMENT EVERY OTHER COURSE EXCEPT AS NOTED AND EVERY COURSE FOR PARAPETS AND WALLS EXPOSED TO THE EXTERIOR ON BOTH SIDES.. PROVIDE PREFABRICATED CORNERS AND INTERSECTIONS. LAP AN MINIMUM OF 6".
E. PROVIDE VERTICAL CONTROL JOINTS AS SHOWN, BUT NO LESS THAT AT 40' SPACING.
F. REINFORCING BARS SHALL BE SECURED IN PLACE BEFORE GROUTING. PROVIDE A MINIMUM OF ¾" CLEARANCE FROM BAR TO CMU WALLS. GROUT IN MAXIMUM OF 5' LIFTS WITH BARS EXTENDING FOR TENSION LAPS BEYOND THE TOP OF GROUT POUR WHERE THERE WILL BE ADDITIONAL LIFTS.
G. REINFORCING SHALL BE DOWELED TO FOOTINGS, HOOKED INTO THE TOP BOND BEAMS , AND CONTINUE THRU HORIZONTAL LINTELS OR INTERMEDIATE BOND BEAMS.
H. GROUTING OF MASONRY LINTELS SHALL BE IN CONTINUOUS POUR AS VERTICAL CELLS ARE GROUTED. WHERE THERE WILL BE ADDITIONAL GROUT LIFTS STOP THE GROUTING 2" BELOW TOP OF CMU TO PROVIDE A KEY TO THE NEXT LIFT.
I. LAY CMU WITH A FULL BED OF MORTAR COVERAGE FOR HORIZONTAL AND VERTICAL FACE SHELLS AND AT CELLS WHERE ADJACENT TO CELLS THAT ARE TO BE GROUTED. DO NO ALLOW MORTAT TO ACCUMULATE IN CELLS TO BE GROUTED.

WOOD TRUSSES

A CODES: STRUCTURAL WOOD IS TO BE DESIGNED, DETAILED, FABRICATED AND CONSTRUCTED IN CCORDANCE WITH:
   1. NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION" BY NATIONAL FOREST PRODUCTS ASSOCIATION (NFPA).
   2. PRODUCT STANDARD PS20 "AMERICAN SOFTWOOD LUMBER STANDARD" BY NBS
   3. PLYWOOD CONFORMING TO APA GRADE.
   4. SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES BY TRUSS PLATE INSTITUTE (TPI) AND TPI QUALITY CONTROL MANUAL.
   5. METAL PLATE-CONNECTED WOOD TRUSS DESIGN CONFORMING TO DESIGN INTERNATIONAL BUILDING CODE
B. SUBMIT SHOP DRAWINGS OF TRUSSES TO THE ARCHITECT FOR APPROVAL. SHOP DRAWINGS SHALL INCLUDE DESIGN LOADS, LATERAL BRACING, AND SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE WHERE THE PROJECT IS CONSTRUCTED. DESIGN SHALL INCLUDE MEMBER SIZED, CONNECTORS, SPACING.
C. MAINTAIN A COPY OF THE ARCHITECT'S APPROVED SHOP DRAWING ON THE JOB SITE WITH THE ARCHITECT'S APPROVAL STAMP.
D. MINIMUM MEMBER SIZE SHALL BE 2 X4.
E. DESIGN SHALL INCLUDE ALL DEAD LOADS, LIVE LOADS, CONCENTRATED LOADS, AND EQUIPMENT AND PIPING LOADS.
F. TRUSSES SHALL BE INSTALLED AND BRACED IN ACCORDANCE WITH TPI HANDLING, INSTALLING AND BRACING PLATE CONNECTED WOOD TRUSSES, HIB-91 AND BRACING WOOD TRUSSES COMMENTARY, BWT-76.

WOOD FRAMING

A. CONFORM TO NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION PUBLISHED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
B. FRAMING UNLESS NOTED US SOUTHERN YELLOW PINE (SYP) WITH MAXIMUM MOISTURE CONTENT OF 19%. BEAMS, HEADERS, JOIST, PURLINS NO 2 SYP PLATES, BLOCKING: NO 3 SYP, STUDS: STUD GRADE SPRUCE-PINE -FIR
C. ALL WOOD IN CONTACT WITH CONCRETE, MASONRY, SOIL OR EXPOSED TO THE WEATHER SHALL BE PRESERVATIVE TREATED AS APPROPRIATE WITH SERVICE CONDITIONS PER AWPA STANDARD C2 OR C31 (WOOD) AND C9 (CONSTRUCTION PANELS):
   1. NO TREATMENT: WHERE NO PRESERVATIVE TREATMENT NOTED. SERVICE CONDITIONS WOULD INCLUDE INTERIOR WOOD NOT IN CONTACT WITH THE GROUND OR FOUNDATIONS AND NOT EXPOSED TO DAMPNESS. TYPICAL APPLICATIONS:
   2. INTERIOR CONSTRUCTION
   3. NATURALLY DECAY RESISTANT WOOD
2. BORATE TREATMENT @ 0.25 PCF DOT RETENTION. SERVICE CONDITIONS WOULD INCLUDE INTERIOR ABOVE GRADE WEATHER PROTECTED APPLICATIONS.TYPICAL APPLICATIONS:
   1. INTERIOR SILL PLATES IN CONTACT WITH FOUNDATIONS OR MASONRY
   2.RIM BOARDS SUPPORTING EXTERIOR DECKS
   3. INTERIOR FRAMING IN CONTACT WITH CONCRETE OR MASONRY
   4. JOIST AND FRAMING OVER VENTED CRAWL SPACES
3. PRESERVATIVE TREATED (PT) ALKALINE COPPER-QUAT (ACQ) 0.25 PCF RETENTION. SERVICE CONDITIONS WOULD INCLUDE EXTERIOR ABOVE GRADE GENERAL USE:
   1. DECKING
   2. FENCE (EXCEPT POST)
   3. DECK JOIST
   4. RAILINGS
   5. ARBORS AND PERGOLAS (EXCEPT POST)
4. PRESERVATIVE TREATED(PT) ALKALINE COPPER-QUAT (ACQ) 0.40 PCF RETENTION. SERVICE CONDITIONS WOULD INCLUDE EXTERIOR WOOD IN CONTACT WITH THE GROUND OR IN CRITICAL STRUCTURAL SUPPORT.TYPICAL APPLICATIONS:
   1. POST
   2. WOOD IN CONTACT WITH THE GROUND
   3. GUARDRAIL POST
   4. STRUCTURAL GIRDERS AND BEAMS
D. PLATE CONNECTORS SPECIFIED ARE AS MANUFACTURED BY SIMPSON. EQUIVALENT PRODUCTS BY OTHER MANUFACTURES ARE ACCEPTABLE. COMPONENTS SHALL BE GALVANIZED. COMPONENTS IN CONTACT WITH PRESERVATIVE TREATED PRODUCTS OR USED IN EXTERIOR CONDITIONS SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
E. WHERE CONNECTORS ARE NOT INDICATED COMPLY WITH FASTENER SCHEDULES IN THE BUILDING CODE . EXTERIOR FASTENERS SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
F. ALL BOLTS SHALL BE FURNISHED WITH STANDARD NUT AND WASHER
G. EXTERIOR SHEATHING SHALL BE A MINIMUM OF $\frac{7}{16}$ OSB OR PLYWOOD. WITH 8D NAILS TO WOOD FRAMING SPACED AT 6" OC IN PERIMETER AND 12" AT INTERMEDIATE SUPPORTS\
H. ALL MICRO-LAM HEADERS AND BEAMS SHALL BE LAMINATED VENEER LUMBER AND SHALL BE A MINIMUM OF GRADE 2.0E;
   FB: 2,950PSI
   FV: 285 PSI
   FC: PERPENDICULAR: 750 PSI
   E: 2,000 PSI

ROOF SHEATHING

A. UNLESS OTHERWISE NOTED ROOF SHEATHING SHALL BE A MINIMUM $\frac{19}{32}$" APA RATED PLYWOOD OR OSB SHEATHING WITH A SPAN RATING OF 32-16 AND EXPOSURE 1.
B. INSTALL LONG DIMENSION OF SHEATHING PERPENDICULAR TO SUPPORTS WITH ALL END JOINTS CENTERED OVER SUPPORTS.STAGER JOINTS IN ADJACENT SHEATHING PANELS. SHEATHING SHALL CONTINUOUSLY SPAN TWO OR MORE SUPPORTS. SEE DETAIL FOR CONNECTORS.
C. EDGE SUPPORTS SHALL BE AS RECOMMENDED BY AMERICAN PLYWOOD ASSOCIATION (APA) TO INCLUDE PLYCLIPS OR SOLID BLOCKING

SPECIAL INSPECTIONS:

1.SPECIAL INSPECTIONS SHALL BE CONDUCTED IN ACCORDANCE WITH IBC AND GEORGIA AMENDMENTS.

2. THE OWNER SHALL EMPLOY THE SERVICES OF ONE OR MORE QUALIFIED INSPECTORS AND TESTING LABS TO PROVIDE SPECIAL INSPECTIONS. WHERE SPECIAL INSPECTIONS WOULD DUPLICATE QUALITY ASSURANCE PROVIDED BY CERTIFICATIONS, OR TESTING DUPLICATE INSPECTIONS ARE NOT REQUIRED.

3.DUTIES OF SPECIAL INSPECTOR:
- SHALL INSPECT AND OBSERVE THE WORK FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE SPECIAL INSPECTOR SHALL NO MODIFY ALTER OF WAIVE ANY REQUIREMENT OF THE DESIGN DOCUMENTS AND APPLICABLE CODES.
-SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIALS , THE CONTRACTOR, THE OWNER AND THE ARCHITECT
-SHALL SUBMIT A FINAL SIGNED REPORT STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS TO THE BEST OF THEIR KNOWLEDGE CONSTRUCTED IN CONFORMANCE WITH THE DESIGN DOCUMENTS AND APPLICABLE CODES.

4. DUTIES OF THE CONTRACTOR;
-SHALL NOTIFY THE SPECIAL INSPECTOR ON A TIMELY BASIS WHEN ITEMS REQUIRING SPECIAL INSPECTIONS ARE READY TO BE INSPECTED.
-PROVIDE ACCESS AND ACCOMMODATIONS TO ALLOW SPECIAL INSPECTIONS.
-REQUIRE AND SUBMIT FABRICATION CERTIFICATES AND OTHER DOCUMENTATION FOR ITEMS THAT REQUIRE SPECIAL INSPECTIONS.

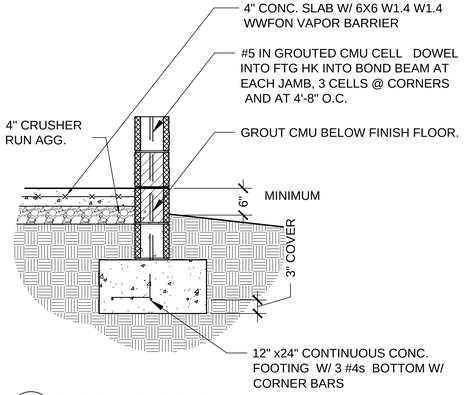
POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

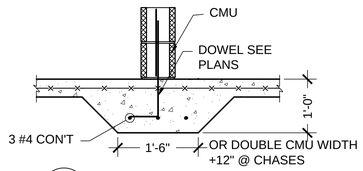
Revisions

Drawn	mgm
Checked	M. MITCHELL
Date	09-15-2017
Project	17-013
Sheet Number	S-0.1
Of	Sheets

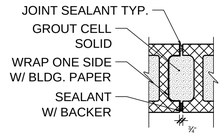
Date Printed 09.22.17 11:23 AM



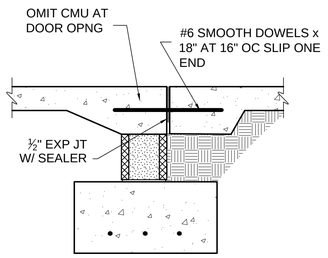
1 TYPICAL FOOTING
SCALE = 3/4" = 1'-0"



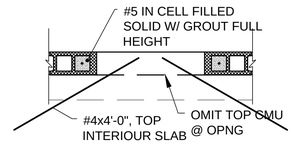
2 THICKENED SLAB
SCALE = 3/4" = 1'-0"



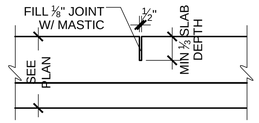
3 CMU CONTROL JOINT (CJ)
SCALE = 3/4" = 1'-0"



4 SLAB AT DOOR OPENING
SCALE = 3/4" = 1'-0"

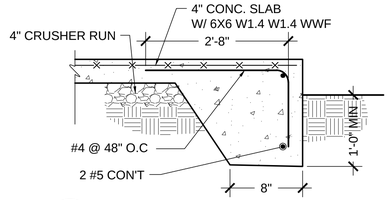


5 REINFORCEMENT AT DOOR
SCALE = 3/4" = 1'-0"

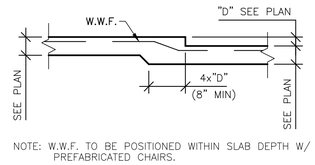


SLAB SHALL BE SAWN AS SOON AS THE CONCRETE WILL SAFELY SUPPORT PEOPLE AND EQUIPMENT

6 SLAB CONTROL JOINT (CJ)
SCALE = 1 1/2" = 1'-0"

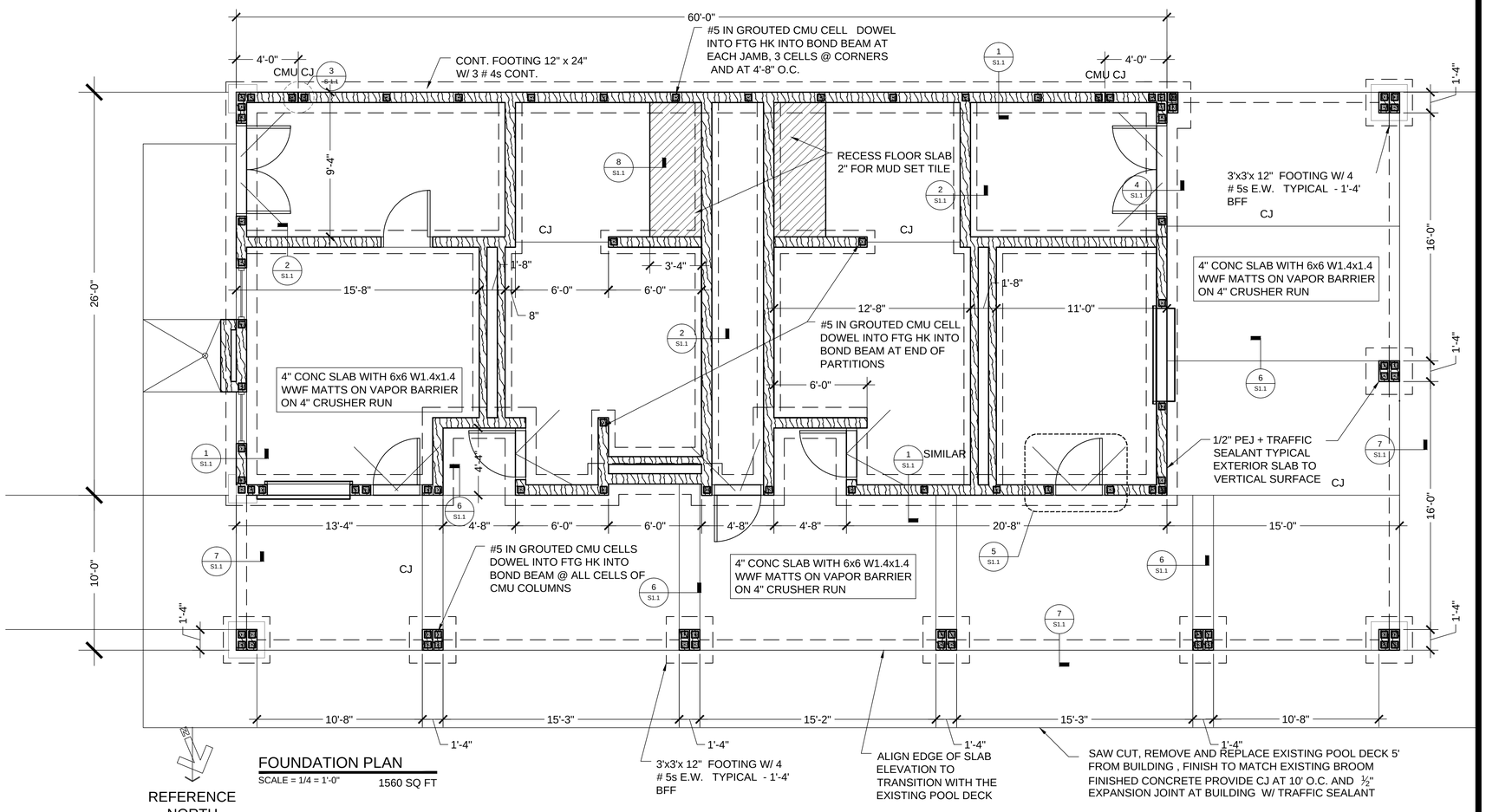


7 TURNED DOWN SLAB
SCALE = 3/4" = 1'-0"



NOTE: W.W.F. TO BE POSITIONED WITHIN SLAB DEPTH W/ PREFABRICATED CHAIRS.

8 RECESSED SLAB
SCALE = 3/4" = 1'-0"



FOUNDATION PLAN
SCALE = 1/4 = 1'-0" 1560 SQ FT

REFERENCE NORTH

POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

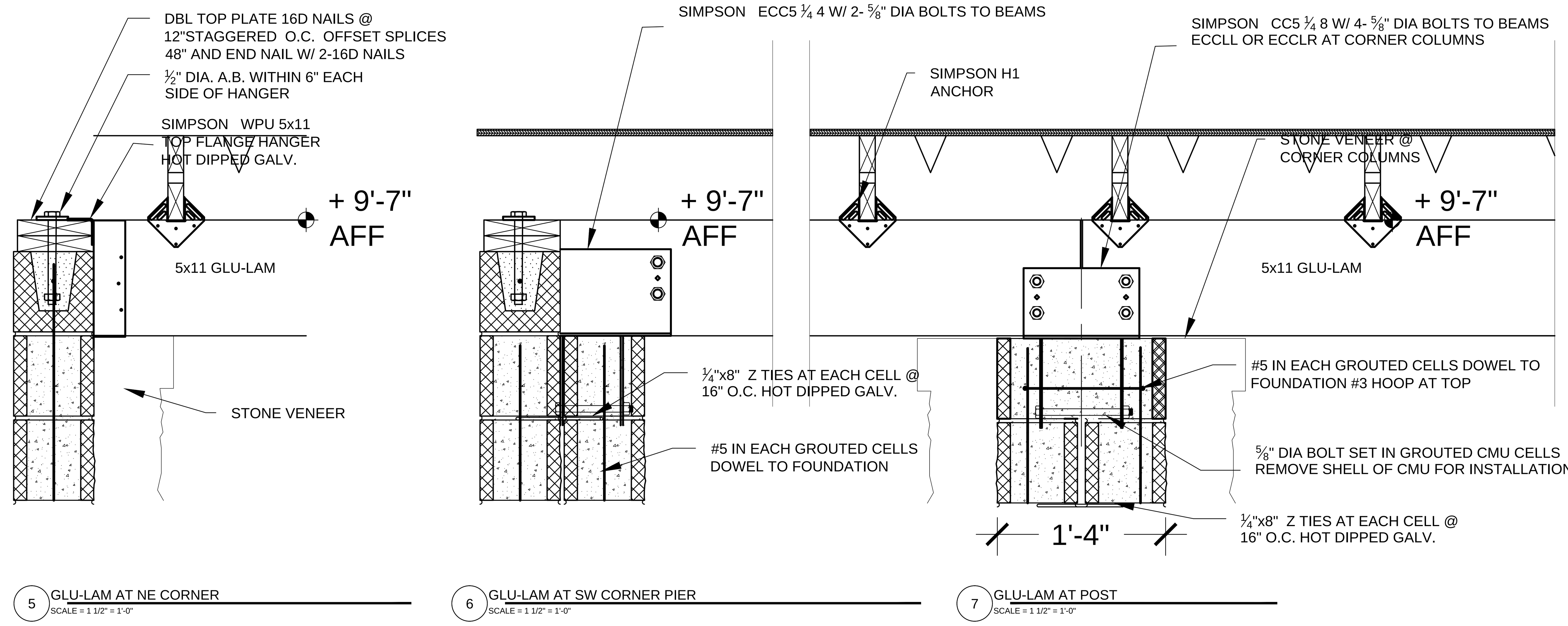
Drawn mgm
Checked M. MITCHELL
Date 09-15-2017
Project 17-013
Sheet Number
S-1.1
Of Sheets

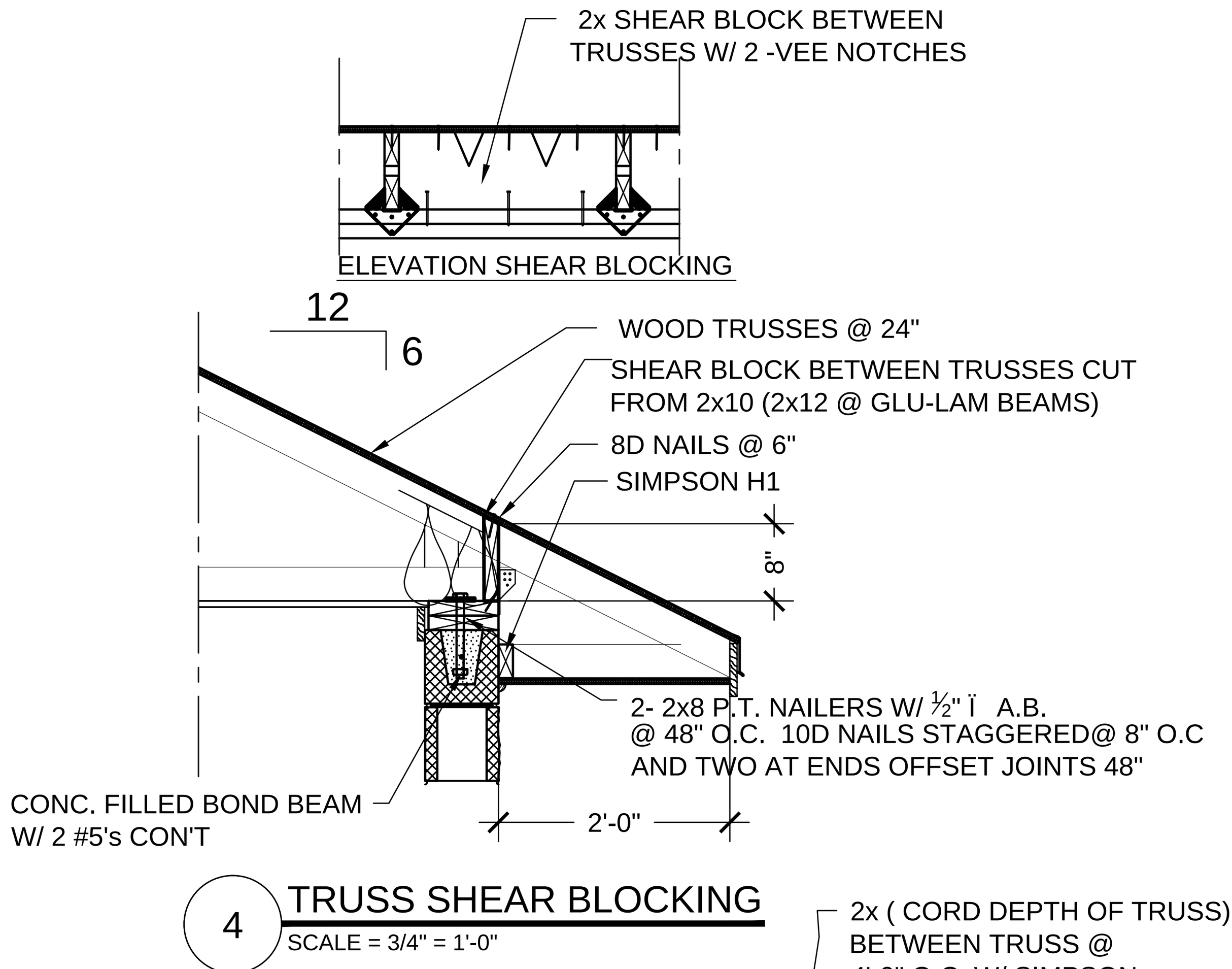
Date Printed 09.22.17 11:25 AM

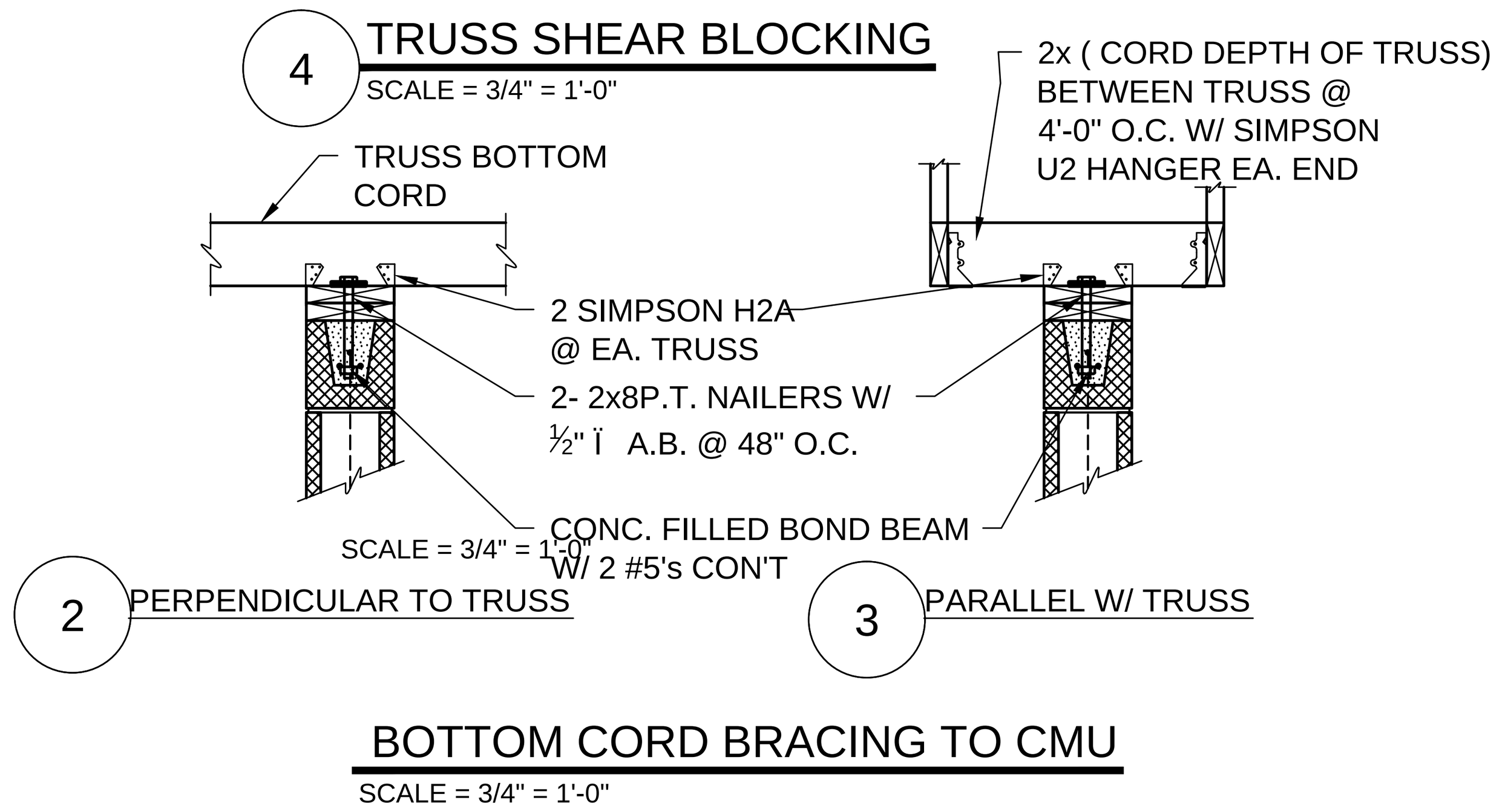
MASONRY LINTEL SCHEDULE

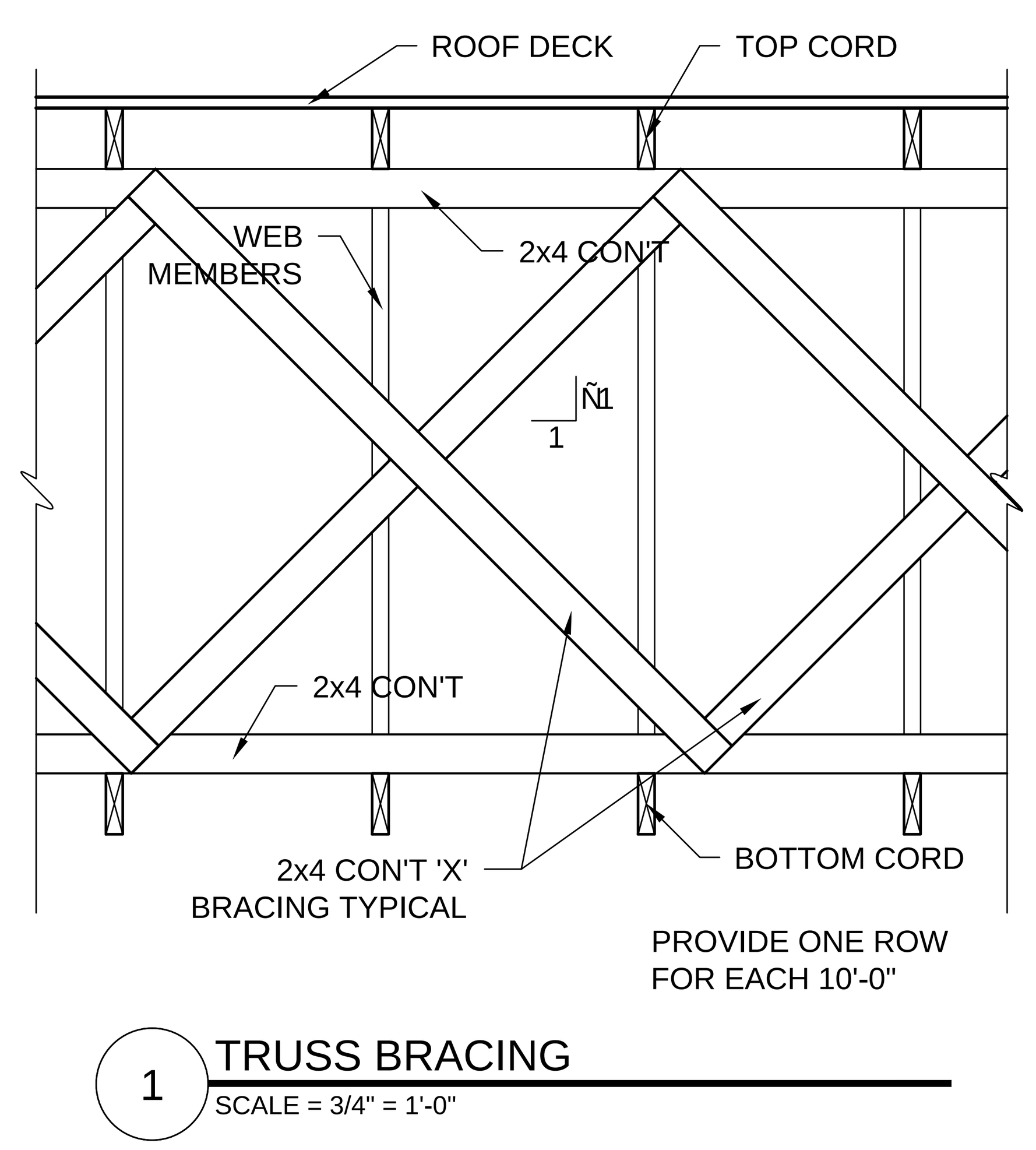
OPENING WIDTH		EACH 4" WALL THICKNESS	WALL DIMENSION AND REINFORCING			
		BRICK OR STONE	CONCRETE MASONRY UNITS OR CONCRETE			
MIN.	MAX.	GALVANIZED STEEL ANGLE	DEPTH	6" WALL	8" WALL	12" WALL
——	2'-0"	∠ -3 1/2 X 3 X 1/4 SLV	7 5/8"	1#4	1#4 BOT.	1#4 BOT.
2'-1"	3'-6"	∠ -3 1/2 X 3 X 1/4 SLV	7 5/8"	1#4	1#4 BOT.	2#5 BOT.
3'-7"	5'-0"	∠ -3 1/2 X 3 X 1/4 SLV	7 5/8"	1#4	1#5 BOT.	2#5 BOT.
5'-1"	6'-6"	∠ -4 X 3 1/2 X 1/4 LLV	7 5/8"	——	1#7 BOT.	2#6 BOT.
6'-7"	8'-0"	∠ -5 X 3 1/2 X 1/4 LLV	7 5/8"	——	1#8 BOT.	2#7 BOT.
8'-1"	10'-0"	∠ -6 X 3 1/2 X 5/16 LLV	15 5/8"	——	1#8 BOT.	——

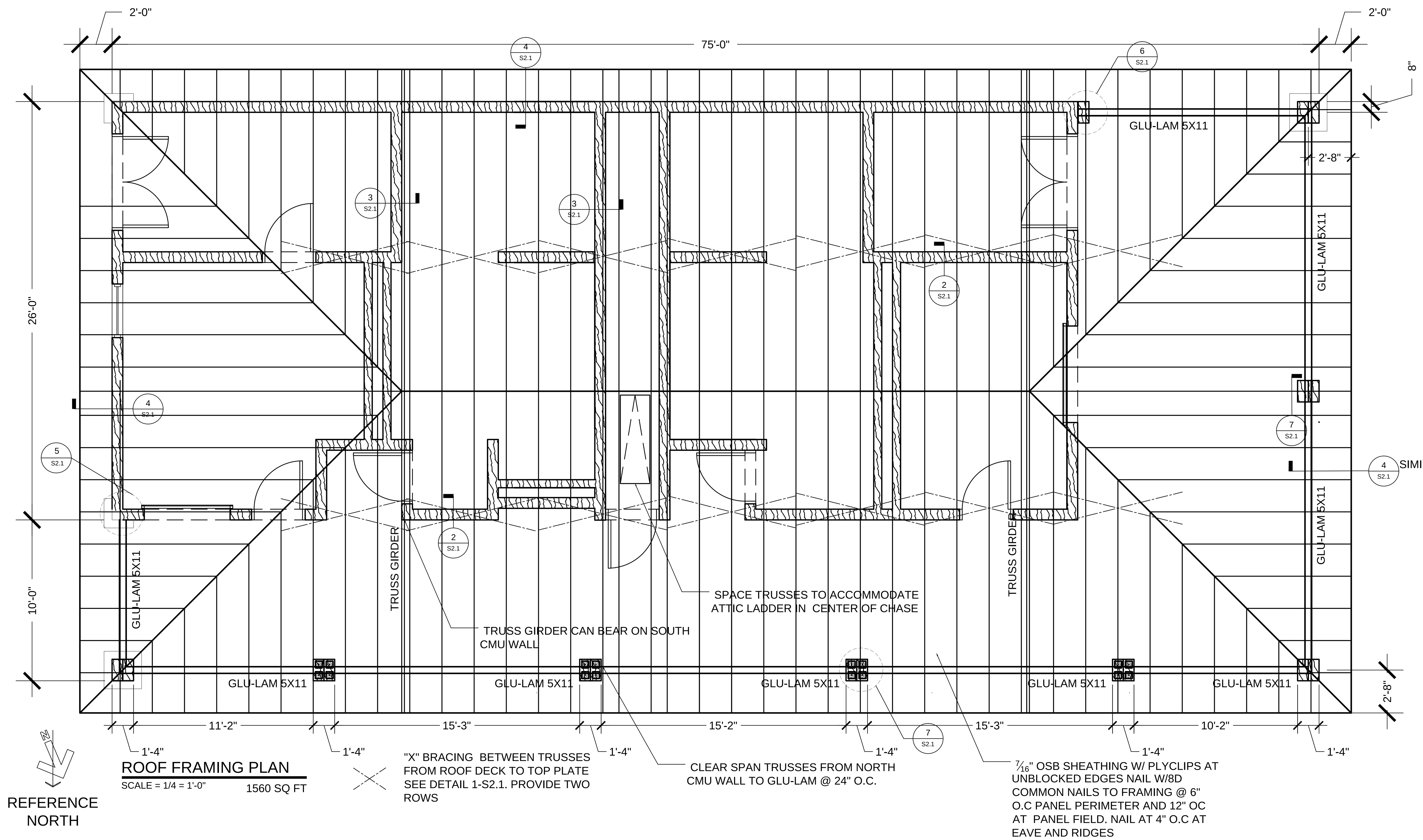
NOTES:
1. DO NOT USE THIS SCHEDULE IF CONCENTRATED LOAD IS APPLIED TO LINTEL.
2. PROVIDE 1'-4" (MIN) BEARING AT EACH END FOR MASONRY.
3. PROVIDE 8" (MIN) BEARING AT EACH END FOR STEEL.
4. SEE DRAWINGS FOR SPECIAL LINTELS.











POOL HOUSE
VETERAN'S MEMORIAL PARK
186 RECREATION ROAD
DAWSONVILLE GEORGIA

Wright Mitchell & Associates Inc
1174 Grimes Bridge Road Suite 300 Roswell, GA 30075
770.998.8059 - wmarchpc@bellsouth.net

Revisions

Drawn	mgm
Checked	M. MITCHELL
Date	0-0-2017
Project	17-013
Sheet Number	S-2.2
Of	Sheets

Date Printed 09.22.17 11:26 AM