## BROOK RUN DOG PARK

## RESTROOM FACILITY

4770 NORTH PEACHTREE ROAD DUNWOODY, GEORGIA

ISSUED FOR PERMIT -- JULY 5, 2013

### CONSULTANTS

#### **OWNER**

CITY OF DUNWOODY - COMMUNITY DEVELOPMENT 41 PERIMETER CENTER EAST DUNWOODY, GA 30338 678-382-6800

#### **ARCHITECT**

KACENA DESIGN, LLC 2944 RIDGELOCK COURT DUNWOODY, GEORGIA 30360 404-803-3869

#### MECHANICAL ENGINEER

CORNERSTONE DESIGN 260 FLOWERS COVE LN LILBURN, GEORGIA 30047 770-381-6933 BRUCE DUFF

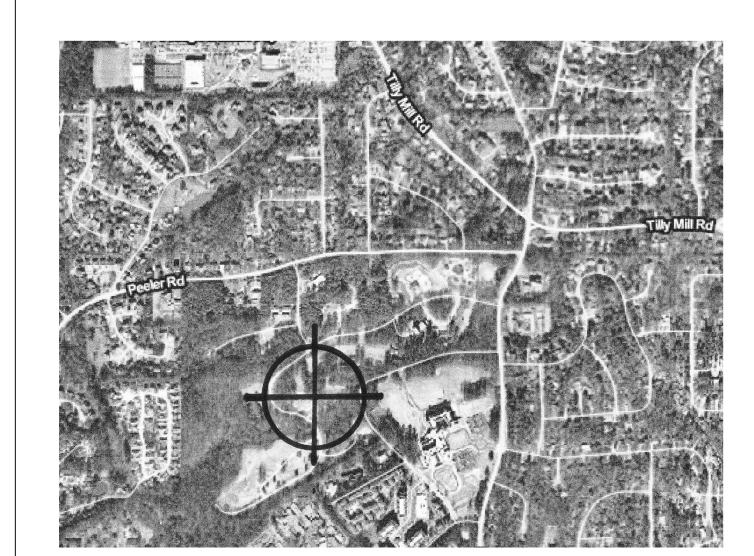
#### ELECTRICAL ENGINEER

CORNERSTONE DESIGN 260 FLOWERS COVE LN LILBURN, GEORGIA 30047 770-381-6933 WILLIAM BELL

#### PLUMBING ENGINEER

CORNERSTONE DESIGN 260 FLOWERS COVE LN LILBURN, GEORGIA 30047 770-381-6933 BRUCE DUFF

#### VICINITY MAP



#### **CODE SUMMARY**

#### **APPLICABLE CODES**

RULES & REGULATIONS OF THE FIRE SAFETY COMMISSIONER FOR STATE MINIMUM SAFETY STANDARDS - 8/31/2003
2006 INTL. FUEL GAS CODE, W/ DEKALB AND GA AMENDMENTS 2006 INTL. MECHANICAL CODE, W/ DEKALB AND GA AMENDMENTS 2006 INTL. PLUMBING CODE, W/ DEKALB AND GA AMENDMENTS 2011 NATIONAL ELECTRIC CODE, W/ DEKALB AND GA AMENDMENTS 2006 INTL. FIRE CODE, W/ GA AMENDMENTS

GA ACCESSIBILITY CODE, CH. 120-3-20A-016 (01-08) 2010 ADA STANDARDS

#### PROJECT DESCRIPTION-

PROPOSED SCOPE OF WORK INCLUDES THE CONSTRUCTION OF A RESTROOM FACILITY, APPROXIMATELY 200 SQUARE FEET IN AREA.. THE STRUCTURE IS A ONE STORY BUILDING WITH A SLAB ON GRADE FOUNDATION. WALLS ARE TO BE CMU CONSTRUCTION, AND ROOF IS TO BE WOOD FRAMED WITH A METAL FINISH SURFACE.

THE WORK IS TO BE PERFORMED IN CONJUNCTION WITH OTHER SITE IMPROVEMENTS TO BE IMPLEMENTED AT THE BROOK RUN DOG PARK.

THE STRUCTURE IS UNDERSTOOD TO EXPEND LESS THAN THE PRESCRIBED AMOUNT OF ENERGY FOR SPACE CONDITIONING, THUS NO ENERGY LOAD CALCULATION FORMS HAVE BEEN INCLUDED.

CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.

### DRAWING INDEX

#### ARCHITECTURE

C COVER SHEET
A1.1 FLOOR PLAN
A2.1 ELEVATIONS AND DETAILS

#### STRUCTURAL

S-1 SCHEDULE OF INSPECTIONS

#### **MECHANICAL**

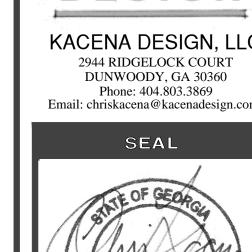
M1 HVAC NOTES, ETC.
M2 HVAC FLOOR PLAN

#### ELECTRICAL

E-0.1 Electrical Legend, Symbols, and General NotesE-1.1 Electrical Power PlanE-2.1 -- Electrical Specifications

#### **PLUMBING**

P-1 PLUMBING NOTES P-2 PLUMBING PLANS



LOCATION

LOCATION

BROOK RUN DOG PARK
RESTROOM FACILITY
4770 NORTH PEACHTREE RD

DRAWN:
CHECKED:
SCALE: AS NOTED

DATE PRINTED

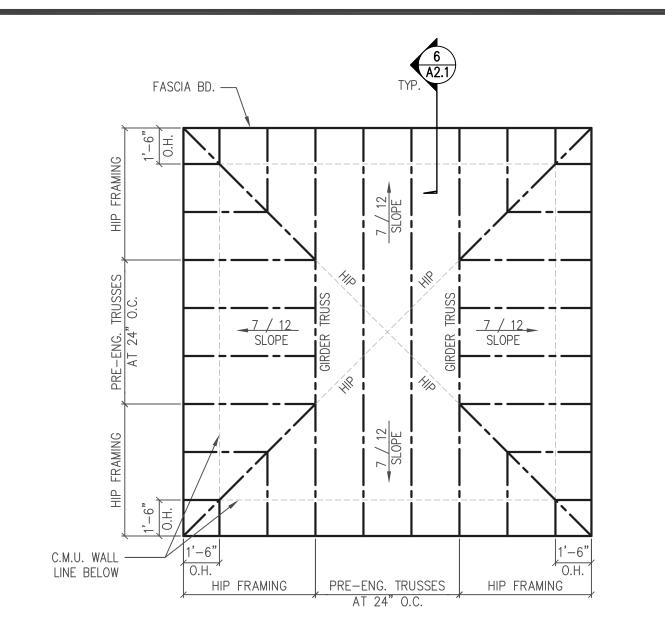
July 4, 2013

REV. DATE REMARKS

SHEET NUMBER

OF SHEETS

SHEET TITLE



ROOF FRAMING PLAN

SLAB / FOUNDATION PLAN

5 A2.1

METAL ROOF — HIP CAP

GUTTER -

ROOF PLAN

 $\triangle 1.2$  1/4" = 1'-0"

10 1/2"

14'-4"

12'-7"

10 1/2"

STEP DOWN LEDGE -

FOR C.M.U. /

TYPICAL WALL

THICKENED SLAB AT -

TURN-DOWN CONC. -FOOTING, SEE TYPICAL WALL SECTION

INTERIOR WALL

LOCATIONS

4" CONC. SLAB WITH 6x6-W1.4x1.4 — W.W.F. OVER 6 MIL. VAPOR BARRIER OVER 6" GRAVEL BASE

4 SLAB / Al.2 1/4" = 1'-0"

1'-6" 10.H.

METAL ROOF RIDGE —/ CAP FLASHING WITH CORAVENT

D.S.

PLUMBING VENT — THRU ROOF, OFFSET IN ATTIC. PAINT TO MATCH ROOF

STANDING SEAM -METAL ROOF

TOILET EXHAUST VENT — ROOF CAP

C.M.U. WALL LINE -BELOW

GUTTER -

4 A2.1

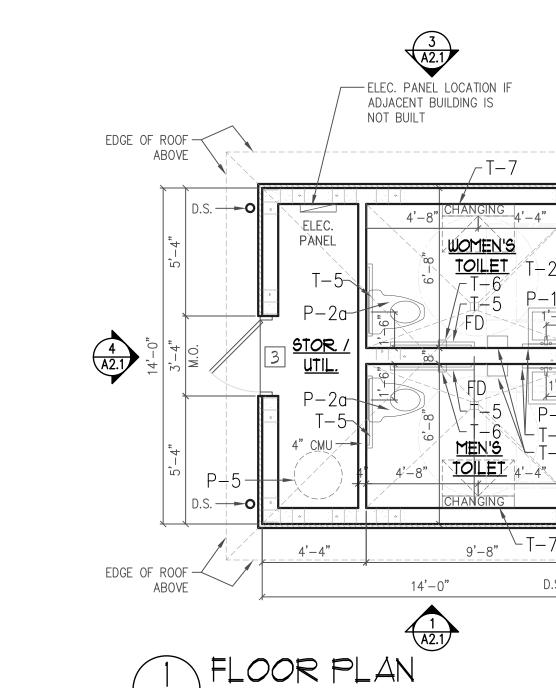
SECTION

STONE VENEER, SÉE

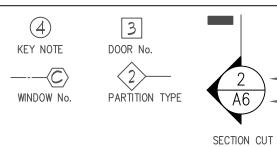
Do	DOR SCH	HEDULE			
No.	SIZE	SIZE	TYPE	FRAME	REMARKS
1	3'-0" x 7'-0"	MEN'S TOILET	H.M.	H.M.	
2	3'-0" × 7'-0"	WOMEN'S TOILET	H.M.	H.M.	
3	3'-0" x 7'-0"	STOR. / UTIL.	H.M.	H.M.	

#### ACCESS HATCH — — DOWNSPOUT (20"X30") FLOOD LIGHTS — CENTERED ON WALL EDGE OF ROOF EDGE OF ROOF — ABOVE ABOVE PLYWOOD CLG @| DOWNSPOUT -FLOOD LIGHTS — - FLOOD LIGHTS CENTERED ON WALL CENTERED ON WALL 4 A2.1 MEN'S TOILET CENTER LIGHT -IN ROOM DOWNSPOUT -PLYWOOD CLG @ EDGE OF ROOF — ABOVE VENTED SOFFIT -DOWNSPOUT -FLOOD LIGHTS —— CENTERED ON WALL

## 3 REFLECTED CEILING PLAN A1.2 1/4" = 1'-0"



#### SYMBOLS



#### PARTITION TYPES

EXTERIOR WALL: REINFORCED 8" C.M.U. WALL WITH APPLIED STONE VENEER, (PAINT INTERIOR), SEE WALL SECTION (1/A3.1)

INTERIOR WALL: REINFORCED 8" C.M.U. WALL (PAINT INTERIOR), SEE DETAIL ( 3/A3.1 )

APPLIED TAPERED STONE VENEER (2" TOTAL TAPER), SEE DETAIL ( 4/A3.1 ) INDICATES THE CODE REQUIRED TURN-A-ROUND SPACE

AND CLEAR FLOOR SPACE FOR ACCESSIBLE FIXTURES AND

PIER: REINFORCED 16" SQUARE 8" C.M.U. PIER WITH

ELEVATION

#### CEILING LEGEND

SURFACE MOUNTED SINGLE BULB 4' FLOURESCENT LIGHT FIXRURE

WALL MOUNTED SECURITY LIGHT (ALL CONNECTED TO DAYLIGHT SENSOR CONTROL) RECESSED EXTERIOR CAN LIGHT (ALL CONNECTED TO

DAYLIGHT SENSOR CONTROL)

1" PLYWOOD W/BATTENS APPLIED TO UNDERSIDE OF ROOF TRUSSES

#### TOILET FIXTURES

P-1a WALL HUNG SINK (ACCESSIBLE)

P-2a flush value water closet (accessible)

P-5 WATER HEATER ON WALL MOUNTED PLATFORM

#### TOILET ACCESSORIES

T-1 WALL MOUNTED FRAMED MIRROR (24" X 36")

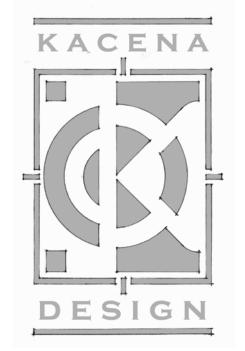
T-2 WALL MOUNTED LIQUID SOAP DISPENSER (OWNER PROVIDED)

T-3 WALL MOUNTED HAND DRYER (OWNER PROVIDED) T-4 WALL / PARTITION MOUNTED GRAB BAR (36")

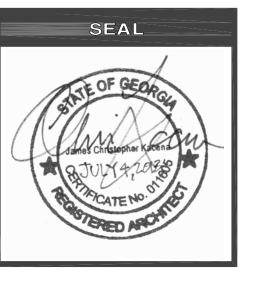
T-5 WALL / PARTITION MOUNTED GRAB BAR (42")

T-6 WALL / PARTITION MOUNTED TOILET PAPER DISPENSER T-7 WALL MOUNTED BABY CHANGING STATION

NOTE: ATTIC AREAS TO HAVE VENTILATION AREA EQUAL TO MIN. 1/150 OF ATTIC AREA. PROVIDE SOFFIT AND RIDGE VENTS



KACENA DESIGN, LLC 2944 RIDGELOCK COURT DUNWOODY, GA 30360 Phone: 404.803.3869 Email: chriskacena@kacenadesign.com



LOCATION

4TREE 30338 70 NORTH PEADUNWOODY, (

SHEET TITLE

**PLANS** 

DRAWN:

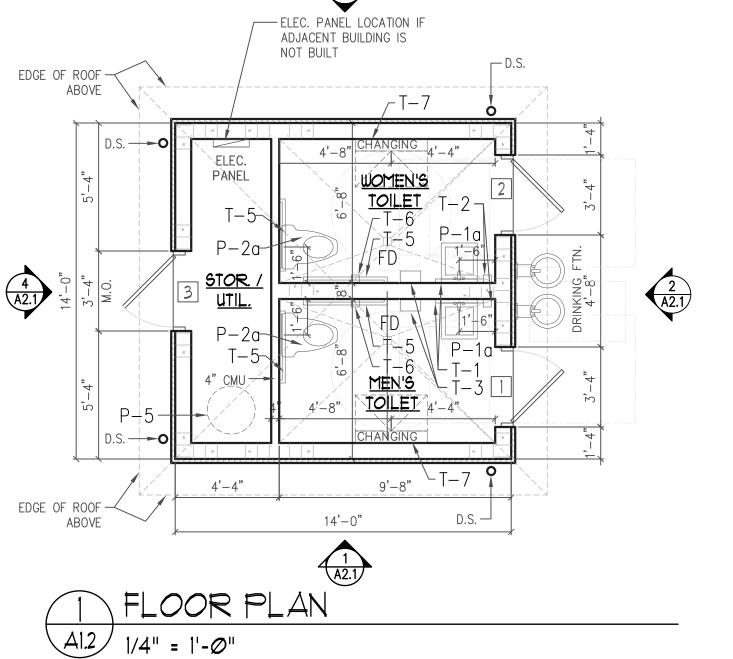
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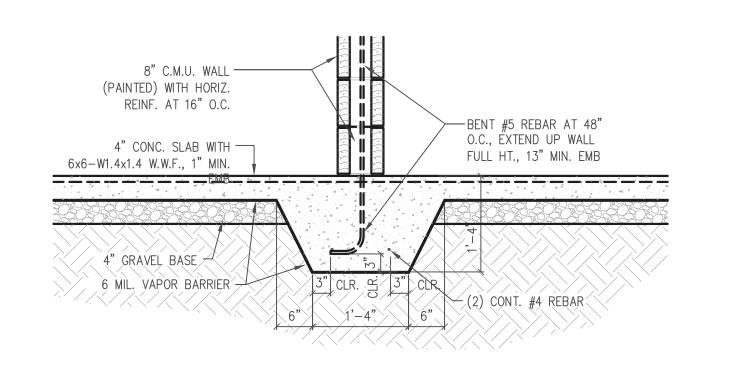
DATE PRINTED 07.04.13

REV. DATE REMARKS

SHEET NUMBER

A1.1

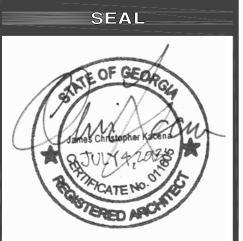




## THICKENED SLAB DETAIL

### ELEVATION NOTES

- 1. ALL SIDING TO BE FIBER CEMENT, HARDIE PLANK OR EQUAL. 3 1/2"
- BATTENS AT 24' O.C. 2. ALL FASCIA AND TRIM BOARDS TO BE FIBER CEMENT, HARDIE PLANK
- OR EQUAL IN NOMINAL SIZES INDICATED. 3. ALL SOFFITS TO BE FIBER CEMENT PANELS, HARDIE SOFFIT OR EQUAL WITH CONT. 2" WIDE SOFFIT VENT.



KACENA

DESIGN

KACENA DESIGN, LLC

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Email: chriskacena@kacenadesign.com

LOCATION

ESTROOM
770 NORTH PEA
DUNWOODY, C BROOK RESTF

SHEET TITLE **ELEVATIONS & DETAILS** 

CHECKED: AS NOTED

DATE PRINTED

07.04.13

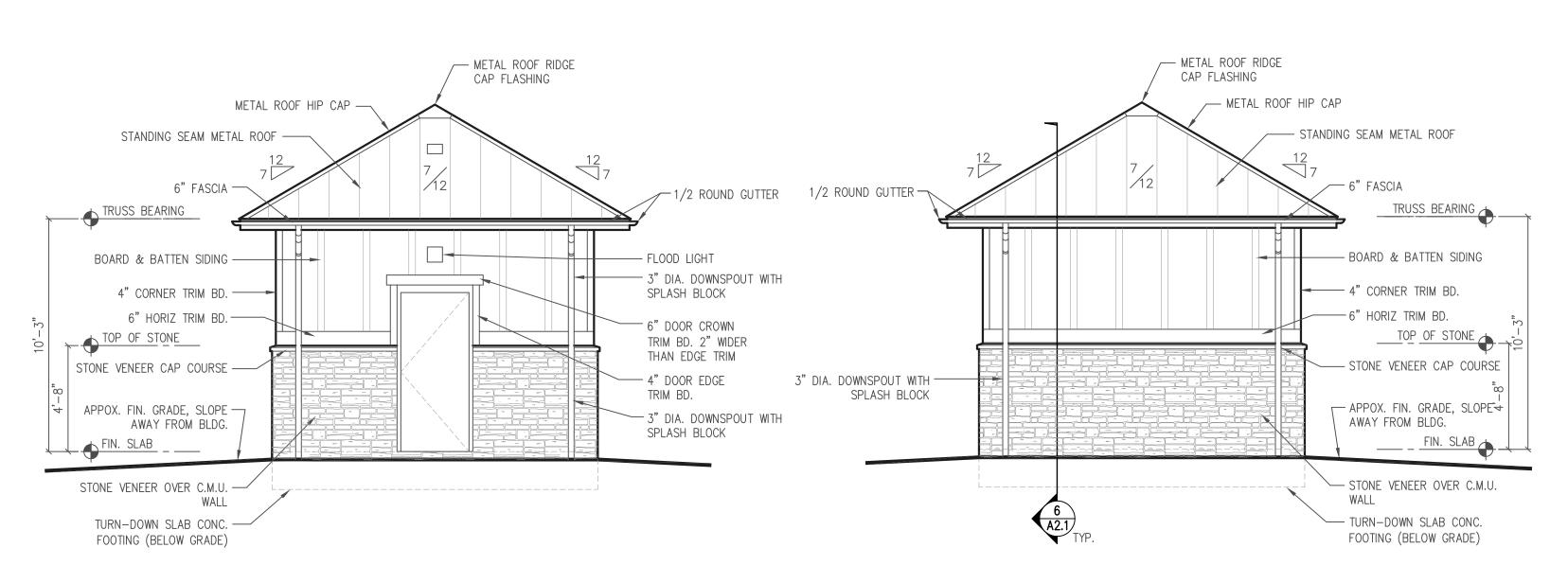
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SHEET NUMBER

A2.1 SHEETS

- METAL ROOF RIDGE

CAP FLASHING



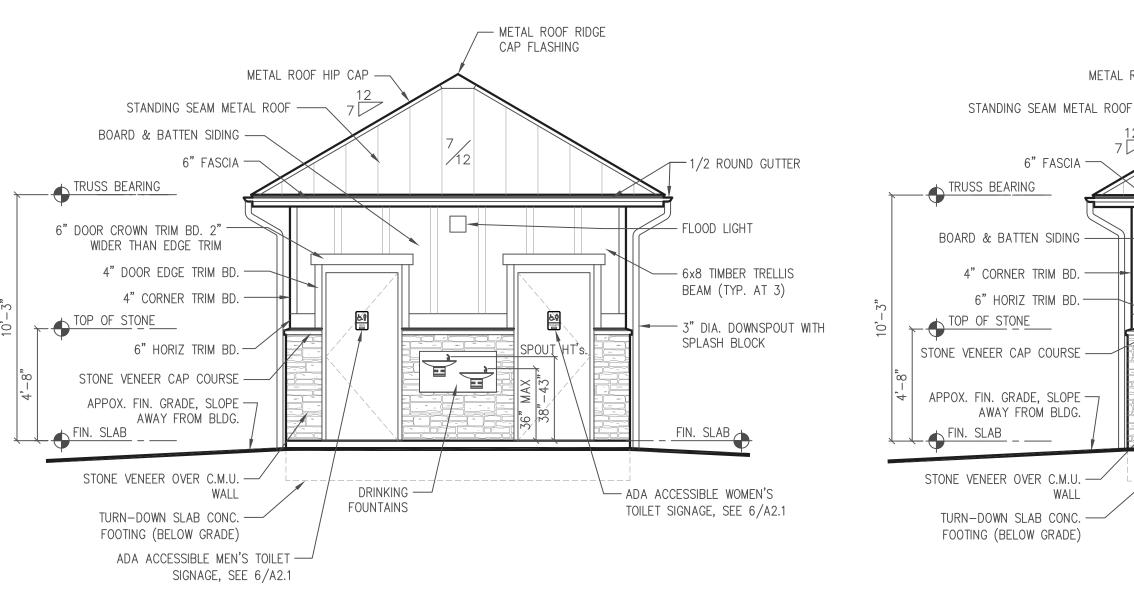
3 BACK ELEVATION
A2.1 1/4" = 1'-0"

METAL ROOF HIP CAP —

FRONT ELEVATION

A2.1 |/4" = 1'-0"

SIDE ELEVATION (UTILITY) A2.1 1/4" = 1'-0"



SIDE ELEVATION A2.1 1/4" = 1'-0"

TYPICAL WALL SECTION

ICCLIED EOD OOMOTDLIOTIOM

1/2 ROUND GUTTER

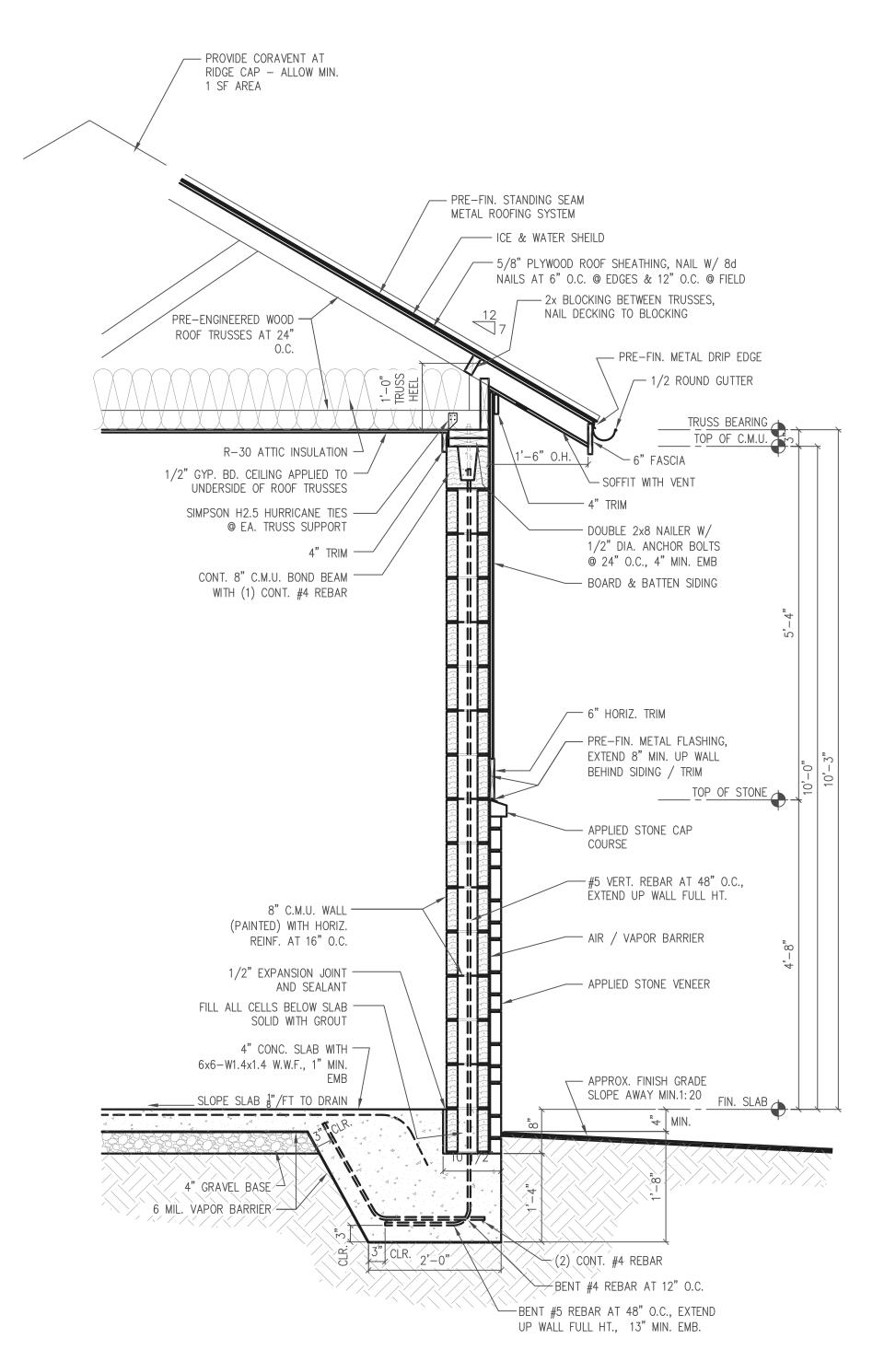
— 4" CORNER TRIM BD.

SPLASH BLOCK

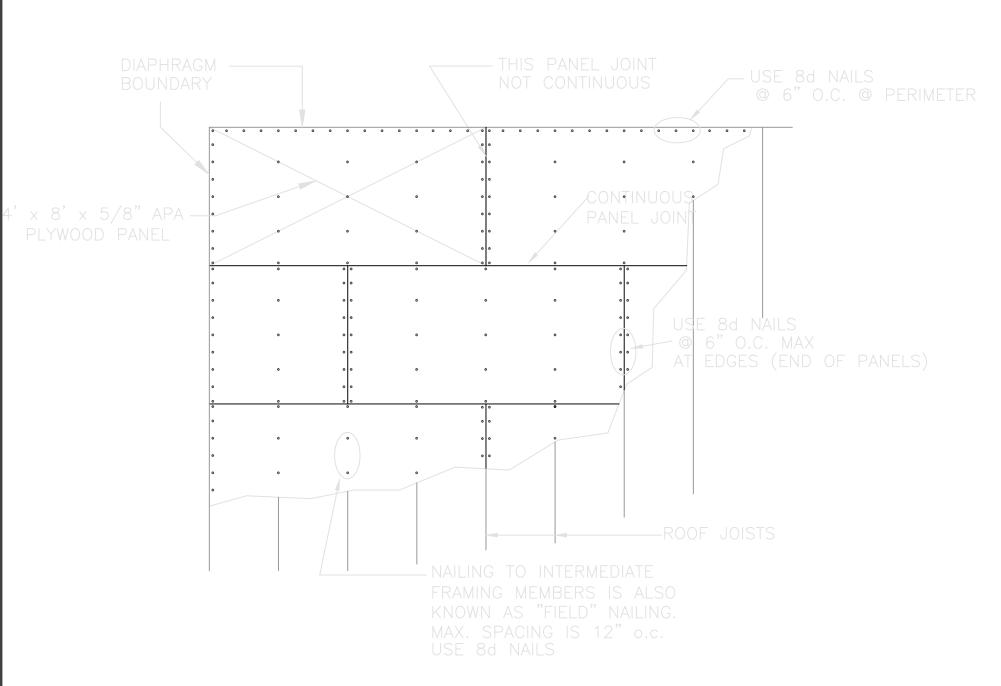
└─ DRINKING

FOUNTAINS

— 3" DIA. DOWNSPOUT WITH



ROOF LOADS:		
	ROOFING MATERIAL:	
	SELFWEIGHT:	4 PSF
	CEILING & LIGHTS:	
	TOTAL DEAD LOAD:	10 PSF
	TOTAL LIVE LOAD:	20 PSF
	NET UPLIFT DUE TO WIND ON JOIST:	



#### GENERAL NOTES (CONT.):

#### VERIFICATION AND SPECIAL INSPECTION

- 1. THE PROJECT OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PERFORM INSPECTIONS AND TESTING DURING CONSTRUCTION FOR THE TYPES OF WORK INDICATED BY 2009 IBC CHAPTER 17. SUBMIT DOCUMENTATION THAT SUMMARIZES THE QUALIFICATIONS AND CREDENTIALS OF EACH SPECIAL INSPECTOR AND DEMONSTRATES COMPETENCE FOR THE BUILDING INSPECTOR FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- 2. APPROVED SPECIAL INSPECTORS SHALL FURNISH INSPECTION AND TESTING REPORTS TO THE OWNER, ARCHITECT, BUILDING OFFICIAL AND STRUCTURAL ENGINEER OF RECORD WHICH INDICATES THE WORK INSPECTED WAS DONE IN CONFORMANCE WITH APPROVED CONSTRUCTION DOCUMENTS. REPORTS WHICH DOCUMENT THE RESULTS OF THE SPECIAL INSPECTIONS SHALL BE SUBMITTED REPORTED AND APPROVED BY THE PROPERTY OF THE SPECIAL INSPECTIONS SHALL BE SUBMITTED. PERIODICALLY AT A FREQUENCY APPROVED BY THE BUILDING OFFICIAL PRIOR TO CONSTRUCTION. A FINAL REPORT DOCUMENTING ALL THE WORK HAS BEEN PERFORMED IN COMPLIANCE WITH THE CONTRACT DOCUMENTS SHALL BE SUBMITTED AT THE END OF THE PROJECT.
- SEE SECTION 1704 OF THE 2009 IBC FOR FULL CRITERIA AND EXCEPTIONS FOR INSPECTION REQUIREMENTS. 4. DEFINITIONS:
- PERIODIC SPECIAL INSPECTION THE PART—TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK
- CONTINUOUS SPECIAL INSPECTION A FULL-TIME OBSERVATION OF WORK REQUIRING CONTINUOUS JOBSITE PRESENCE WHEN AND WHERE THE WORK IS BEING PERFORMED.
- 5. STRUCTURAL OBSERVATIONS, IN ADDITION TO SPECIAL INSPECTIONS, MAY BE REQUIRED PER IBC SECTION 1709.

TABLE 1704.7: REQUIRED VERIFICATION AND INSPECTION OF SOILS								
VERIFICATION &	x INSPECTION TASK	FREQUENCY— CONTINUOUS OR PERIODIC	AGENT					
	LS BELOW FOOTINGS ARE ADEQUATE E DESIGN BEARING CAPACITY	PERIODIC	2					
	ATIONS ARE EXTENDED TO PROPER AVE REACHED PROPER MATERIAL	PERIODIC	2					
3. PERFORM CLA FILL MATERIAL	SSIFICATION AND TESTING OF CONTROLLED	PERIODIC	2					
	F PROPER MATERIALS, DENSITIES AND LIFT DURING PLACEMENT AND COMPACTION OF PLL	CONTINUOUS	2					
	CEMENT OF CONTROLLED FILL, OBSERVE D VERIFY THAT SITE HAS BEEN PREPARED	PERIODIC	2					

#### NOTES FOR SCHEDULE

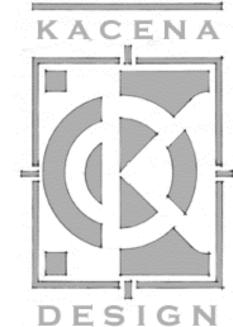
2: MATERIALS/TESTING AGENT

1. THE INSPECTION AND TESTING AGENT(S) SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT AND NOT BY THE CONTRACATOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED, ANY CONFLICT OF INTERST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK, THE QUALIFICATIONS OF THE SPECIAL INSPECTOR(S) AND OR MATERIALS/TESTING AGENT MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL AND/OR DESIGN PROFESSIONAL.
LEGEND: AGENT 1: SPECIAL INSPECTOR/DESIGN PROFESSIONAL

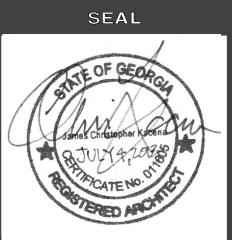
	INSPECTION TASK	FREQUENCY— CONTINUOUS OR PERIODIC	AGENT	REFERENCE STANDARD	IBC REFERENCE
1.	MATERIAL VERIFICATION OF HIGH—STRENGTH BOLTS, NUTS AND WASHERS:  A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS  B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	PERIODIC	1	APPLICABLE ASTM MATERIAL SPEC RSCS (2004)	
2.	INSPECTION OF HIGH STRENGTH BOLTING:  A. BEARING TYPE BOLTING ELEMENTS  B. SLIP—CRITICAL CONNECTIONS	PERIODIC CONTINUOUS	1 OR 2	RSCS (2004)	1704.3.3
3.	MATERIAL VERIFICATION OF STRUCTURAL STEEL BE VERIFIED TO ENSURE COMPLIANCE  A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	YES	1	ASTM A6 OR ASTM 568	1708.4
	B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	YES	T T	ASTM A6 OR ASTM 568	
4.	MATERIAL VERIFICATION OF WELD FILLER MATERIALS:  A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	YES	1	AISC 360, SECT. A3.5	
	B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	YES	1	2) 20 20 21 21 22 23 24 24 24 24 24 24 24 24 24 24 24 24 24	
5.	VERIFY FABRICATION/QUALITY CONTROL AT FABRICATION PLANT	YES	1	AISC 360, SECTION M	1704.2
6.	INSPECTION OF WELDING  A. STRUCTURAL STEEL  1. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS  2. MULTI-PASS FILLET WELDS  3. SINGLE PASS FILLET WELDS > 5/16"  4. SINGLE PASS FILLET WELDS < 5/16"  5. FLOOR AND ROOF DECK WELDS AND SCREWS 6. COLD FORMED STEEL FRAMING MEMBERS 7. STAIR AND RAILING SYSTEMS 8. WELDED SHEAR STUDS	CONTINUOUS CONTINUOUS CONTINUOUS PERIODIC PERIODIC PERIODIC PERIODIC PERIODIC PERIODIC	2 2 2 2 2 2 2 2 2 2 2	AWS D1.1  AWS D1.3  AWS D1.3	1704.3.1
**	INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS*  A. DETAILS SUCH AS BRACING AND STIFFENING  B. MEMBER LOCATIONS  C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION  NOTE: ADDITIONAL INSPECTION MAY BE REQUIRED FOR THE SEISMIC FORCE RESISTING SYSTEM AS PER IBC 1707	PERIODIC	1		1704.3.2

	Managari da karangan	ett la 10 meteora più ri escriptora percent		
TABLE 1704.4: REQUIRED VERIFICATION	AND INSF	ECTION (	OF CONCRETE	CONSTRUCTION
INSPECTION TASK	FREQUENCY— CONTINUOUS OR PERIODIC	AGENT	REFERENCE STANDARD	IBC REFERENCE
INSPECTION OF REINFORCING STEEL AND     PLACEMENT	PERIODIC	1	ACI 318: 3.5, 7.1 - 7.7	1903.5, 1907.1 1907.7, 1914.4
2. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE	PERIODIC	1		1911.5
3. VERIFYING USE OF REQUIRED DESIGN MIX	PERIODIC	1	ACI 318: CH. 4, 5.2~5.4	1904, 1905.2- 1905.4
4. SAMPLING FRESH CONCRETE AND PERFORMING SLUMP,AIR CONTENT AND DETERMINING THE TEMPERATURE OF FRESH CONCRETE AT THE TIME OF MAKING SPECIMENS FOR STRENGTH TESTS	CONTINUOUS	2	ASTM C172 ASTM C31 ACI 318: 5.6, 5.8	1905,6 1914.10
5. INSPECTION OF CONCRETE FOR PROPER APPLICATION TECHNIQUES	CONTINUOUS	1 .	ACI 318: 5.9, 5.10	1905.9, 1905.10
6. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	PERIODIC	1 AND 2	ACI 318: 5.11-5.13	1905.11, 1905.13
7. ERECTION OF PRECAST CONCRETE MEMBERS	PERIODIC	1	ACI 318: CHPT 16	
8. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	PERIODIC	2	ACI 318: 6.2	
9. INSPECT FORM WORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	1	ACI 318: 6.1.1	

Sales de la constante de la co	TABLE 1704.5.1: LEVEL 1 SPECIAL I	NSPECTION	- MASU	NRY		A
	INSPECTION TASK	FREQUENCY— CONTINUOUS OR PERIODIC	AGENT	ACI 530 ASCE 5 TMS 402	ACI 530.1 ASCE 6 TMS 602	IBC REFERENC
1	AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:  A. PREPARATION OF SITE PREPARED MORTAR B. CONSTRUCTION OF MORTAR JOINTS C. LOCATION OF REINFORCEMENT AND CONNECTORS	PERIGDIC PERIODIC PERIODIC	2 1 AND 2 1		ART. 2.6A ART. 3.3B ART. 3.4, 3.6A	
2.	THE INSPECTION PROGRAM SHALL VERIFY:  A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS  B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION  C. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCING, LAP SPLICE REQUIREMENTS  D. WELDING OF REINFORCING BARS  E. PROTECTION OF MASONRY DURING COLD	PERIODIC  PERIODIC  PERIODIC  CONTINUOUS  PERIODIC	1 1 1 2 1 AND 2	SEC. 1.2.2(e) 2.1.4, 3.1.6 SEC. 1.13 SEC. 2.1.10.7.2, SEC. 3.3.3.4(b)	ART 3.3G ART. 2.4, 3.4	SEC 210
3.	WEATHER (TEMP BELOW 40f) OR HOT WEATHER (TEMP ABOVE 90f)  PRIOR TO GROUTING, THE FOLLOWING SHALL	a haliconomic recommendation of the same	, 200 2	medikan diakan dinan mpamban diakan dan melanggan diakapakan	ART. 1.8C, 1.8D	SEC 2104 2104
	BE VERIFIED TO ENSURE COMPLIANCE  A. GROUT SPACE IS CLEAN  B. PLACEMENT OF REINFORCEMENT AND CONNECTORS  C. PROPORTIONS OF SITE—PREPARED GROUT  D. CONSTRUCTION OF MORTAR JOINTS	PERIODIC PERIODIC PERIODIC PERIODIC	2 2 2 1 AND 2	SEC. 1.13	ART. 3.2D ART. 3.4 ART. 2.68 ART. 3.3B	
4.	GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS	CONTINUOUS	2		ART. 3.5	
5.	PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED	CONTINUOUS	2		ART. 1.4	SEC. 2105. 2105.2.2
6.	COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED	PERIODIC	1		ART. 1.5	
7.	REVIEW CERTIFICATES OF COMPLIANCE USED IN MASONRY CONSTRUCTION	PERIODIC	1			SEC. 1708.
8.	VERIFICATION OF I'M AND I'AM PRIOR TO CONSTRUCTION	PERIODIC	2			SEC. 1708.

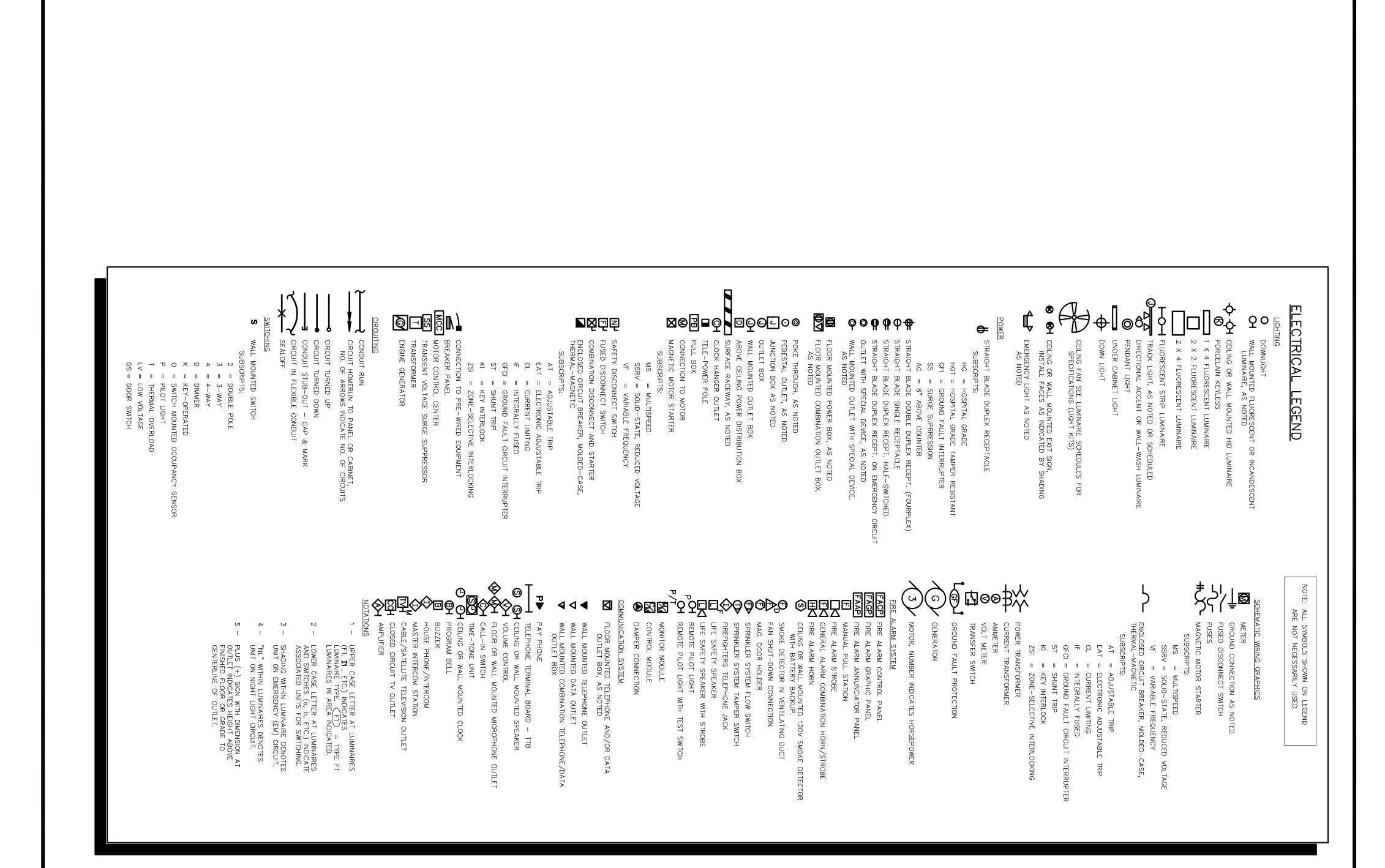


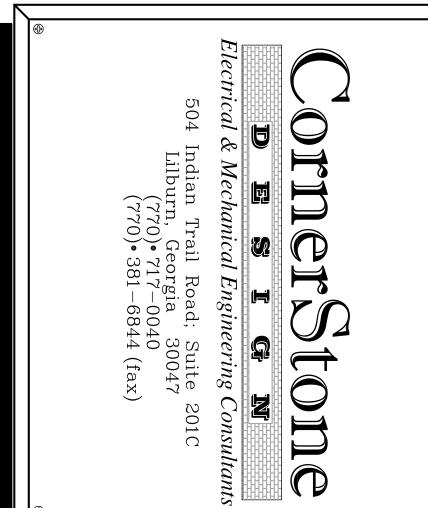
KACENA DESIGN, LLC 2944 RIDGELOCK COURT DUNWOODY, GA 30360 Phone: 404.803.3869 Email: chriskacena@kacenadesign.com

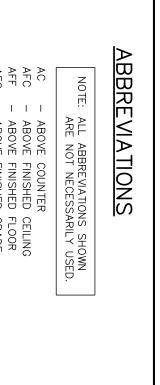


LOCATION

SHEET TITLE STRUCTURAL NOTES CHECKED: AS NOTED DATE PRINTED July 4, 2013 REV. DATE REMARKS SHEET NUMBER







- ABOVE COUNTER
- ABOVE FINISHED CEILING
- ABOVE FINISHED FLOOR
- ABOVE FINISHED GRADE
- AMPS INTERRUPTING CURF
- ALUMINUM

BELOW FINISHED GRADE
CIRCUIT BREAKER
CORROSION RESISTANT
CONTROL POWER TRANSFORMER
CURRENT TRANSFORMER
COPPER
COPPER

S. AT THE TIME OF DESIGN, INFORMATION NOT AVAILABLE FROM UTILITY SINCE IN PRIOR TO ORDERING EQUIPMENT, VERIF CIRCUIT/FAULT CURRENT VALUES. PRIMINIMUM AIC RATING TO BE 22KAIC.

F LINE RESISTOR ENCY

VERIFY PROPER LIGHT FIXTURE TRIM WITH CEILING INSTALLATION. LAYIN CEILING AND FLANGE FOR GYP OR WOOD CEILINGS.

MECHANICAL DEVICES SUCH AS LOUVER, DAMPERS ETC... PROVIDE CONDUIT AND CONDUCTORS AS

COORDINATE WITH UTILITY CONTRACTALL COMPONENTS NECESSARY FOR NDICATED ON RISER DIAGRAMS BUT

ERGENCY
ERGENCY STOP

APSED TIME METER
COTRIC WATER COOLER

L LOAD AMPS

L VOLTAGE, NON-REVERSING

L VOLTAGE, REVERSING

ANISHED WITH EQUIPMENT
OUND FAULT INTERRUPTER
LVANIZED RIGID CONDUIT

ND-OFF-AUTOMATIC
RSEPOWER

MATED GROUND
HTING CONTACTOR
CAL-OFF-REMOTE
VEL SWITCH
T THROUGH

TENTIAL TRANSFORMER
DUCED VOLTAGE, NON-REVE
ORT CIRCUIT
FE OR STOP/RUN
LEPHONE TERMINAL BOARD
DERGROUND
VIABLE FREQUENCY DRIVE
EGUARD

THESE "E" SHEETS PERTAIN TO THE BUILDING / STRUCTURE INTERIOR'S. SEE SITE ELECTRICAL PLANS BY OTHERS FOR SITE ELECTRICAL.

ANY ITEMS DAMAGED BY THE CONTROCONTRACTOR. ALL 120V BRANCH CIRCUITS SHALL

REFER TO ARCHITECTURAL PLANS, E OF FLOOR DEVICES AND WALL DEVIC OR HORIZONTAL MOUNTING. IF DEVIC BE MOUNTED LONG AXIS VERTICAL / CONTRACTOR SHALL NOT ROUTE ANY CONDUIT WITHIN STRUCTURAL OR TOPPING SLABS OF FLOORS UNLESS NOTED TO DO SO. ALL 120V, 10, GENERAL PURPOSE R ECEPTACLES SHALL BE GFCI TYPE.

COORDINATE LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR PRIOR TO ROUGH—IN. COORDINATE EXACT EQUIPMENT LOCATIONS WITH OWNER PRIOR TO ROUGH-COORDINATE LOCATION OF ALL OUTLETS WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS AND EQUIPMENT INSTALLATION DRAWINGS.

PROVIDE (1) 3/4"C. WITH PULL WIRE COMMUNICATION OUTLET SHOWN, TO WHERE CEILING IS INACCESSIBLE, RC

PLANS DO NOT INDICATE ALL OF THE UG UTILITY LINES, RE: CIVIL DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITY LINES OF ALL TRADES PRIOR TO ANY SITE WORK.

GENERAL NOTES (FOR AL

ELECTRICAL

SHEETS)

FROM EACH TELEPHONE, DATA OR ABOVE ACCESSIBLE CEILING, AND CAPUTE CONDUIT TO TELCO DEMARC.

ELEVATIONS AND DIAGRAMS FOR LOCATIONS CES. LOCATION WILL INDICATE VERTICAL AND/CES ARE NOT NOTED OTHERWISE THEY SHALL AT +16" TO CENTER.

ALL NEW WIRING SHALL BE CONCEALED IN NEW WALLS OR ABOVE CEILINGS. MOUNTED CONDUIT SHALL NOT BE USED IN ANY FINISHED AREAS. PROVIDE GFI PROTECTED OUTLETS AS REQUIRED BY NEC AND ARC FAULT PROTECTION AS REQUIRED BY NEC. S BEEN ASCERTAINED FROM INFORMATION PROVIDED AS ACCURATE AS CONDITIONS WOULD ALLOW. ONTRACTOR TO VISIT THE SITE, PRIOR TO BID, EXTENT OF REMODEL WORK REQUIRED. NO EXTRAS OF A FORESEEABLE NATURE REQUIRED TO ACHIEVE CONTRACT DOCUMENTS.

BY OTHERS. THIS INFORMATION IS AS IT IS THE RESPONSIBILITY OF THE CON AND FAMILIARIZE HIMSELF WITH THE E WILL BE ALLOWED FOR ALTERATIONS (THE END RESULT AS INDICATED BY CO

IF NOT NOTED, PROVIDE (2#12+#12G) 3/4"C FOR ALL 20 AMP BRANCH CIRCUITS. PROVADDITIONAL #12 CONDUCTOR FOR SWITCH LEGS, TRAVELERS, UNSWITCHED CONDUCTORS AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. PROVIDE POWER TO ALL AUXILIARY CONDENSATE PUMPS, THERMOSTATS, REQUIRED.

ELECTRICAL LEGEND AND GENERAL NOTES SHEET DATE 7/4/2013 E0. PRINTED NUMBE RLO BGD AS NOTED

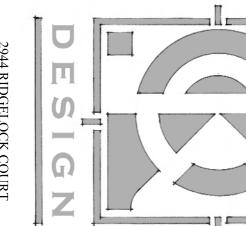
ISSUED FOR CONSTRUCTION

## **BROOK RUN DOG PARK RESTROOM FACILITY**

4770 NORTH PEACHTREE RD DUNWOODY, GA 30338



2944 RIDGELOCK COURT ATLANTA, GA 30360 Phone: 404.803.3869 Email: chriskacena@comcast.net



PANEL

|>

JGS ONLY

MOUNTING :

TYPE

DESCRIPTION

LUMINAIRE

SCHEDULE

MOUNTING

MANUFACTURER,

CAT. NUN

**BER** 

REMARKS

VERIFY MODEL NUMBERS AND FIXTURE TYPES WITH ARCHITECTURAL AND OWNER. PROVIDE PHOTOCELL TO CONTROL CANOPY LIGHTING.

	   	M 220		LOADS IN	)	· M	
TOTAL	1385	1620 A 0		VOLT— AMPERES	0	O A 3000	TOTAL
		CONNECTED	D.F.	DEMAND	)		•
GHTING		1.4	1.25	1.7		CONNECTED	15.2 KVA
ECEPT. (FIRST 10 KW)		1.6	1.00	1.6		DESIGN	24.0 KVA
ECEPT. (REMAINDER)		0.0	0.50	0.0		DEMAND	15.6 KVA
OTORS		0.0	1.00	0.0		SPARE	8.4 KVA
ARGEST MOTOR		0.2	1.25	0.3		CONNECTED	
PPLIANCES		0.0	1.00	0.0			8.1 KVA
QUIPMENT		6.0	1.00	6.0		L2	7.1 KVA
EATING		6.0	1.00	6.0			
RANSFORMER		0.0	1.00	0.0			
THER		0.0	1.00	0.0			
			0.00	0.0			
			0.00	0.0			
			0.00	0.0			
OTAL		15.2 KVA		15.6 KVA	A	ALL CIRCUIT	RCUIT BREAKERS
OAD		63.4 AMPS		65.1 AM	AMPS	ARE 20 AMP	O AMP, 1 POLE
ESIGN				100 AM	AMPS	UNLESS NOTI	S NOTED OTHERWISE
PARE				34.9 AM	AMPS		
= LIGHTING R = SUBFEED E	II II	RECEPTACLE EQUIPMENT	A ≤ = =	M = MOTOR A = APPLIANCE	0 = T	= TRANSFORMER = OTHER	SP = SPACE SPR = SPARE
OTES:							

LIGHTING SUBFEED	E						R	SFORMER	ING	MENT	IANCES	EST MOTOR	RS	PT. (REMAINDER)	PT. (FIRST 10 KW)
R = RECEPTACLE E = EQUIPMENT		63.4 AMPS	15.2 KVA				0.0	0.0	6.0	6.0	0.0	0.2	0.0	0.0	V) 1.6
> <b>≤</b> 				0.00	0.00	0.00	1.00	1.00	1.00	1.00	1.00	1.25	1.00	0.50	1.00
MOTOR APPLIANCE			15.6 KVA	0.0	0.0	0.0	0.0	0.0	6.0	6.0	0.0	0.3	0.0	0.0	1.6
O	Ĭ,	) V													
TRANSFORMER OTHER	ONLESS NO	ARE 20 AM	ALL CIRCUI							L2		CONNECTED	SPARE	DEMAND	DESIGN
SP = SPACE SPR = SPARE	ED OTHERWIVE	P, 1 POLE	T BREAKERS							7.1 KVA	8.1 KVA		8.4 KVA	15.6 KVA	24.0 KVA
	R = RECEPTACLE M = MOTOR T = TRANSFORMER E = EQUIPMENT A = APPLIANCE O = OTHER	R = RECEPTACLE M = MOTOR T = TRANSFORMER E = EQUIPMENT A = APPLIANCE O = OTHER	R = RECEPTACLE M = MOTOR E = EQUIPMENT A = APPLIANCE O = OTHER	15.2 KVA 63.4 AMPS 65.1 AMPS ARE 20 AMP, 100 AMPS UNLESS NOTEI  R = RECEPTACLE E = EQUIPMENT A = APPLIANCE O = OTHER	R = RECEPTACLE  R = EQUIPMENT  15.2 KVA  15.6 KVA  15.6 KVA  15.6 KVA  15.6 KVA  100 AMPS  100 A	R = RECEPTACLE  R = EQUIPMENT    0.00   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.	0.00   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0	0.0       1.00       0.0         0.00       0.00       0.0         15.2       KVA       15.6       KVA         63.4       AMPS       100       AMPS         R = RECEPTACLE       M = MOTOR       T = TRANSFORMER         E = EQUIPMENT       A = APPLIANCE       0 = OTHER	R = RECEPTACLE  R = EQUIPMENT  O.00  1.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00	6.0       1.00       6.0         2       0.0       1.00       0.0         2       0.0       1.00       0.0         3       0.00       0.0       0.0         4       0.00       0.0       0.0         5       63.4       AMPS       100       AMPS         63.4       AMPS       100       AMPS       UNLESS NOTEI         C       E       E       E       APPLIANCE       O       OTHER	6.0   1.00   6.0     6.0	0.0   1.00   0.0   L1	OR 0.2 1.25 0.3 CONNECTED 0.0 0.0 1.00 0.0 L1 6.0 1.00 6.0 L2 2 0.0 1.00 6.0 L2 2 0.0 1.00 0.0 0.0 2 0.0 1.00 0.0 0.0 3 0.0 0.0 0.0 0.0 3 15.6 KVA AMPS 0.51 AMPS ARE 20 AMP, AMPS 0.51 AMPS ARE 20 AMP, AMPS ARE 20 AMP, AMPS 0.51 AMPS 0.5	OR 0.0 1.00 0.0 SPARE OR 0.2 1.25 0.3 CONNECTED  1.00 0.0 0.0 L1  6.0 1.00 6.0 L2  6.0 1.00 6.0 L2  0.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0  1.00 0.0 0.0 0.0  1.00 0.0 0.0 0.0  1.00 0.0 0.0 0.0  1.00 0.0 0.0 0.0  1.00 0.0 0.0 0.0  1.00 0.0 0.0 0.0  1.00 0.0 0.0 0.0  1.00 0.0 0.0 0.0 0.0  1.00 0.0 0.0 0.0 0.0  1.00 0.0 0.0 0.0 0.0 0.0  1.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	AINDER)

SENERAL NOTES

ALL FLUORESCENT FIXTURES S
HARMONIC DISTORTION.

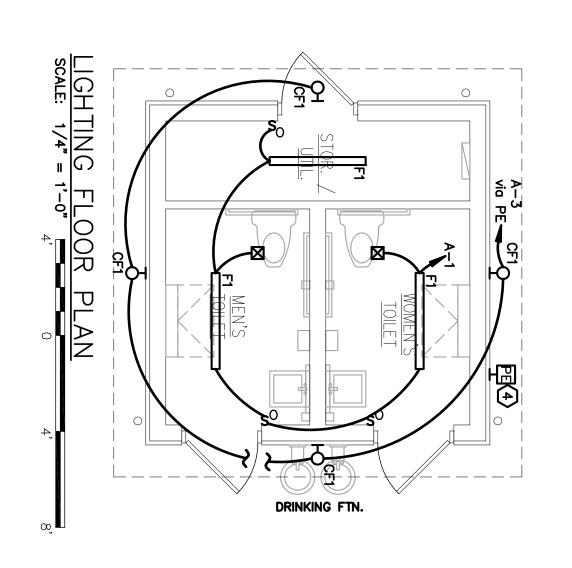
MECHANIC.

- ALL LIGHTING FIXTURES SHALL 410-16(C). TO THE CEILING PER N.E.C.

ALL FIXTURE BALLASTS SHALL

VEDIEV WITH MANIFACTIBED IE DISCONNECT IS NEEDED OD IE IINIT	1 DISCONNECT SHALL BE NON—FUSED	NOTES: * SEE PANELBOARD SCHEDULES FOR CIRCUIT BREAKER SIZE	kW	W    W  -   -     C   -   -   -   -   -   -
OR IF UNIT HAS INTERGAL DISCONNECT.			NEMA 1	7

7,19	+ + 48" EH-2	5 A-13,15	



ADDITIONAL GROUNDS TO INCLUDE (IF AVAILABLE) METAL WATER PIPING, BUILDING STEEL, CONCRETE—ENCASED ELECTRODE, AND GROUND RING. ALL (WHICH EVER AVAILABLE) SHALL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRODE SYSTEM I.A.W. NEC ARTICLE 250.50.

ELECTRICAL RISER DIAGRAM 240/120V, 10, 3W

ELECTRIC HAND DRYER. COORDINATE EXACT LOCATIONS WITH OWNER. PROVIDE (2#10+#10G) 3/4"C.
TORK 2100 SERIES OUTDOOR PHOTOCELL WITH B-BRACKET FOR WALL MOUNTING. MOUNT AT 9' A.F.F. CONNECT
TO CONTROL ALL OUTDOOR LIGHT FIXTURES. POINTED IN A NORTHERLY DIRECTION FREE OF ANY OBSTRUCTIONS.
TIME CLOCK LOCATION. REFER TO SHEET SE-03 FOR DETAILS.

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

FLOOR

ECTRICAL AND LIGHTING PLAN NOTES THIS SHEET: ®
PROPOSED LOCATION OF NEW PANEL 'A'. SEE ELECTRICAL RISER DIAGRAM, THIS SHEET AND PANELBOARD SCHEDULE THIS SHEET. VERIFY EXACT LOCATION OF NEW PANEL WITH ARCHITECT AND BUILDING OWNER PRIOR TO ROUGH—IN. MAINTAIN ALL CLEARANCES AS PER NATIONAL ELECTRIC CODE.

CIRCUIT EMERGENCY LIGHTS AND EXIT SIGNS AHEAD OF LOCAL SWITCHING FOR CONTINUOUS OPERATION. CIRCUIT WITH SAME CIRCUIT AS GENERAL LIGHTING CIRCUIT IN SAME AREA AS PER N.E.C.

(2) COORDINATE WITH SITE UTILITY CONTRACTOR FOR POINT OF ELECTRICAL SERVICE. PROVIDE ALL COMPONENTS NECESSARY FOR SERVICE.

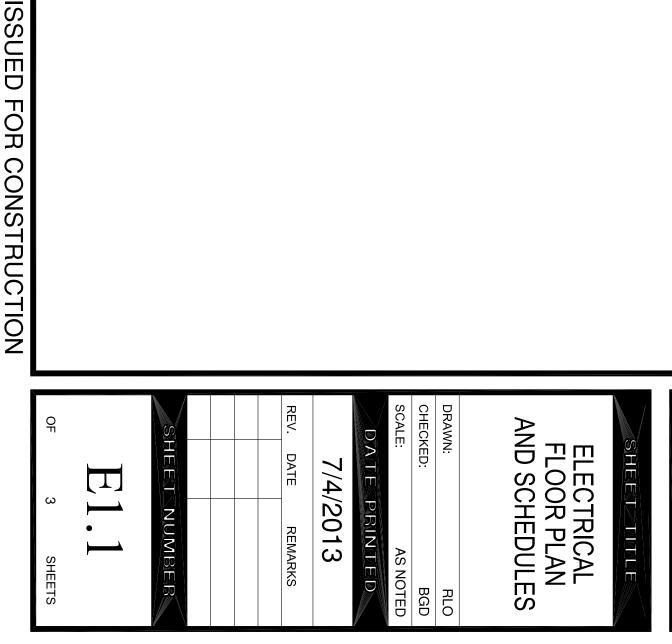
UNDERGROUND ELECTRICAL (2) ERVICE

GROUND I.A.W. NEC ARTICLE 250.50

COMFORT STATION

-#4 CU GROUND IN 3/4" PVC

2" CONDUIT TO PAVILION (3#12+#12G)

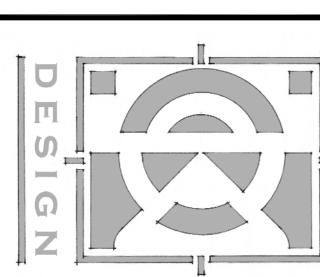


## BROOK RUN DOG PARK **RESTROOM FACILITY**

DUNWOODY, GA 30338







Utility or sectional switch

DEVICES

A. All devices colors shall be selected by architect.

1. Specification grade receptacles, Hubbell 5262-\*.

A.C. quiet operating type switches equal to Hubbell, rated 20A, 277V.

ဂ

2.5 LIGHTING FIXTURES
A. Provide all new lighting fixtures complete with lamps, ballasts, reflectors, plaster frames, louvers, stem hangers, etc., and as described on the drawings.

All ballasts shall be internally protected by use of two internal, temperature—sensitive, non—resetting protectors, equal to G.E. Watt—Miser, Class "P".

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and specifications corrected

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iп All spaces shall be fully equipped.

2.7 SAFETY AND DISCONNECT SWITCHES
Provide enclosed, fusible or non-fusible safety switches where indicated and herein specified. Safety switches shall bear the UL label and each enclosure shall be the NEMA type suitable for the surrounding area and conditions (Ex. Nema 1 — Indoor, Nema 3R — Outdoor). Switches shall be minimum heavy duty, horsepower rated, and shall have quick—make and quick—break mechanisms. Switches used on motor circuits shall have adequate horsepower ratings for the motors served.

Safety switches employed as motor disconnect devices for two (2) or more loads shall be of the fusible type for rejection type fuses

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Switches shall be as manufactured by Cutler—Hammer, General Electric, Square—D, Westinghouse, or as accepted, and all switches provided shall be by the same manufacturer.

boxes only where permitted.

Device plates shall be nylon, color to match devices.

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Acrylic lenses shall be 100% virgin materials and 0.125 inch thick minimum unpenetrated thickness shall be 0.035 inch.

2.6 BRANCH CIRCUIT PANELBOARDS
A. Provide dead—front, circuit breaker type panels, with the size and number of branches indicated. Breakers shall be thermal magnetic type employing quick—make and quick—break mechanisms for manual operation as well as automatic operation. Automatic tripping shall be indicated by the breaker handle assuming a distinctive position from the manual "on" and "off". Multiple breakers shall have a common trip. Tie handles will not be permitted.

Panelboards shall have a grounding lug for the equipment grounding system.

Panelboards shall be a minimum twenty inches (20") wide (box).

The above panelboard designations are General Electric; however provide any of the following equipment, or as accepted:

120/208V 277/480VSub-distribution type Cutler Hammer CHB NFB MP-40 General Electric AQ AE CCB I.T.E. CDP-7 CDP-7 CDP-6 Square-D NQOB NEHB I-Line Westinghouse WEB WEHB CDP

Heavy duty industrial type safety switches shall be used for 480 volt application and shall be horsepower rated with quick—make, quick—break mechanisms and interlocked covers.

Mount devices in accordance with the following schedule except where otherwise noted on the drawings:

1. Convenience Receptacles — Long Axis Vertical 1'6" A.F.F.\*

2. Light Switches — Latch Side of Door 4'0" A.F.F.

3. Telephone Outlets 1'6" A.F.F.\*

\* Except in areas with counters, baseboard heaters or in areas of block or brick construction.

Exit lights shall conform with local code requirements

Mount all outlets at position and height to clear ducts, etc.

Panelboards having branch circuit breaker sizes 15 to 100 amperes shall be:
1. General Electric "AQ" for operation on 120/208V. systems.
2. General Electric "AE" for operation on 277/480V. systems.

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Panelboards may contain of 100 amperes, but less two (2) subfeed breakers having a rating in excess than 225 amperes.

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Panelboards having more than two (2) branch circuit breakers rated in excess of 100 amperes shall be General Electric "CCB".

Circuit breakers shall have a minimum interrupting capacity as follows:

120/208 volts: 22,000 amperes. In addition, upstream fuses shall be selected to provide a series rating of 100,000 amperes with downstream circuit breakers.

All buses shall be copper.

2.8 FUSES A. F

Fuses shall be as on the drawings.

manufactured by Bussmann unless noted otherwise

2.9 DRY A. TYPE TRANSFORMERS (IF APPLICABLE)
ACCEPTABLE MANUFACTURERS

1. Square D

GE - Type QL

Cutler—Hammer — CX6

Alternate manufacturers may be acceptable when submitted according to Division 0 or Division 1.

Insulation system and average winding temperature rise for rated KVA as follows: Dry Type Transformers: ANSI/NEMA ST 20; factory—assembled, air cooled dry type transformers; ratings as shown on the Drawings.

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Class 185 220 Rise (degree C) 115 115

Case temperature shall not exceed 35 degrees C rise above ambient at its warmest point.

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Winding Taps, Transformers 15 KVA and Larger: ANSI/NEMA ST 20. Winding Taps, Transformers Less than 15 KVA: Two 5% below rated voltage, full capacity taps on primary winding.

Sound Level: ANSI/NEMA ST 20.

Basic Impulse Level: 10 KV for transformers less than 300 KVA, 30 KV for transformers 300 KVA and larger. Ground core and coil assembly to enclosure by means of a visible flexible copper grounding strap.

Mounting: Transformers 75 KVA and less shall be suitable for wall, floor or trapeze mounting; transformers larger than 75 KVA shall be suitable for floor or trapeze mounting.

Enclosure: ANSI/NEMA ST 20; Type 1 for indoor application, Type 3R for outdoor or wet location application. Provide lifting eyes or brackets. Coil Conductors: Continuous winding with termination's brazed or welded.

Isolate core and coil from enclosure using vibration—absorbing mounts.

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Nameplates: Include transformer connection data and overload capacity based on rated allowable temperature rise.

PART 3 EXECUTION

3.1 CONDUIT/RACEWAYS

A. All conductors shall be enclosed by conduit sized in accordance with Table 3C of the National Electrical Code. Minimum 1/2" except for factory furnished lighting fixture flexible conduit may be 3/8". Follow the following schedule unless otherwise specified in the drawings. Exception: cable assemblies such as MC type cable may be used where allowed by NEC.

1. Rigid metal conduit (RMC) and intermediate metal conduit (IMC) shall be utilized for above and below grade applications in accordance with articles 344 AND 342 of the National Electrical Code. All couplings shall be threaded.

Rigid nonmetallic conduit (PVC) Schedule 40 shall be permitted for below grade or concrete cast in place applications above grade. All elbow transitions to above grade or stub—out of floor slab shall be asphalt coated rigid conduit. Provide equipment grounding conductor for all runs of rigid nonmetallic conduit.

Flexible metal conduit shall be utilized for all connections to vibrating equipment such as motors (minimum of 2'-0" - maximum of 6'-0"), connection to lay—in type light fixtures or in remodel areas specifically noted for "fishing" in existing walls or non—accessible ceilings.

Electrical metallic tubing (EMT) shall be utilized for all dry, above grade or above floor applications in accordance with article 358 of the National Electrical Code. Couplings shall be steel compression type made up wrench—tight.

Surface metallic raceways shall be used only in areas specifically noted and of size and type specified on the drawings.

All exposed conduit (including conduit installed in ceiling plenums) shall be routed parallel or perpendicular with the building walls. Support conduit as required by the National Electrical Code.

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Fuses for application at under 600 volts, and rated at 600 amps or less, shall be as follows:

1. For all fuses in the main service, equipment, except for motor circuits, provide current limiting, 200,000 rms amperes symmetrical interrupting capacity, rejection type, Bussmann Limitron or as accepted.

For all other fuses, provide rejection type with 200,000 rms amperes symmetrical interrupting capacity, Bussmann "Fusetron", or as accepted

Control Fuses shall be Bussmann one—time nonrenewable fuses.

the ground electact surfaces, to ductors in concilinations, metallifications, metallifications, the grounds that grounds ductor. Bond to the grounds to the grounds to the grounds to the grounds to the grounds.

PANELBOARDS

1. Install panelboards with the top of the trim (6'-3") from the finished floor.

MECHANICAL EQUIPMENT WIRING

1. Mechanical equipment mot mechanical equipment. Field check all panelboard loading an required to provide balanced phase AND

Provide feeder all connections equipment

safety switches and/or thermal overload switches

Provide all power (line voltage) wiring for mechanical equipment and make all connections except for temperature control equipment, which will be wired by mechanical contractor.

Furnish, set in place, and wire, except as indicated, all heating, ventilating, air conditioning, plumbing, fire protection, motors and controls in accordance with the following schedule. Carefully coordinate with work performed under the Mechanical Division of these specifications.

eater units in all motor starters shall be sized for approximately ne hundred fifteen percent (115%) of full load motor current. Theck and coordinate all thermal protective devices with the quipment they protect.

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RESTROOM FACILITY

4770 NORTH PEACHTREE RD

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Provide for each motor, one—half (1/2) horsepower and below, a horsepower rated disconnect switch and thermal overload protection unless integrally provided with the motor. Thermal overload switches for single phase motors shall be Allen—Bradley Bulletin 600 or acceptable. Size heater units for approximately one hundred fifteen percent (115%) of full load motor current.

Miscellaneous Equipment: Where outlets are indicated for miscellaneous equipment requiring electric power or control, provide wire, conduit, etc., and make all connections, unless otherwise indicated. Refer to the Mechanical Specifications of Plans covering sprinkler systems, motor interlocks, switching, Provide wiring, conduit, outlets and provide final electrical connections to all equipment. and ), etc

TYPE TRANSFORMER INSTALLATION
Set transformer plumb and level, on 4 in. high housekeeping pad for floor mounted units, on for wall or ceiling mounted units.

flexible conduit 2 ft minimum length, for connections to side panel of the state of

Mount transformers on vibration isolation pads suitable for isolating the transformer noise from the building structure

seismic

Install nameplate.

ELECTRICAL SPECIFICATIONS

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TELEPHONE SYSTEM

A. Provide conduits and outlets as indicated.
pull wire for all empty conduit.

ĊΨ Outlets shall consist of 4" plate. Plates shall match " square box with bushed finish of other plates. opening

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AL SYSTEMS

Provide all special systemicluding all required actional. All special special in accordance connected in accordance provide instructional definition.

DATE

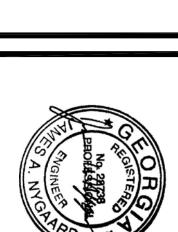
REMARKS

7/4/2013

PRINTED

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ISSUED FOR CONSTRUCTION

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- DRAWINGS ARE DIAGRAMMATIC IN NATURE AND MAY NOT SHOW ALL STRUCTURAL MEMBERS, ARCHITECTURAL ELEMENTS. LIGHTING LAYOUTS, OR ALL OFFSETS, FITTINGS, AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND ACCESSORIES REQUIRED FOR THE INSTALLATION OF A COMPLETE WORKING SYSTEM TO THE SATISFACTION OF THE OWNER.
- COORDINATE THE MECHANICAL WORK WITH THE WORK OF OTHER TRADES AND EXISTING CONDITIONS. MECHANICAL SYSTEM INFORMATION SHOWN OR NOTED AS EXISTING ARE BASED ON LIMITED INFORMATON AND MAY NOT BE COMPLETELY ACCURATE. CONTRACTOR IS REQUIRED TO VERIFY ALL EXISTING INFORMATION PRIOR TO BEGINNING ANY WORK. NOTIFY OWNER AND ARCHITECT IF SIGNIFICANT DESCREPANCIES ARE NOTED IN THE EXISTING SYSTEMS THAT NECESSITATE ADDITIONAL WORK TO COMPLETE THE NEW INSTALLATION.
- COMPLY WITH ALL LOCAL CODES AND ORDINANCES. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK AND INFORM ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
- CONNECT NEW DUCTWORK AND PIPING TO PACKAGED HVAC UNITS IN LOCATIONS SHOWN AND IN ACCORDANCE WITH UNIT MANUFACTURER'S INSTALLATION INSTRUCTIONS. LOCATE UNIT DUCTWORK TO INSURE ADEQUATE SERVICE CLEARANCES PER MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH CODE REQUIREMENTS.
- INSTALL NEW DUCTWORK AS SHOWN. ALL SHEET METAL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH CURRENT SMACNA DUCT CONSTRUCTION STANDARDS. DUCTWORK SHALL BE FABRICATED IN ACCORDANCE WITH REQUIREMENTS OF THE 1 IN. WG PRESSURE CLASSIFICATION. ALL EXPOSED DUCTWORK SHALL BE ROUND SPIRAL DUCTWORK. INSTALL ELECTRONIC SPACE CONTROL THERMOSTATS FURNISHED WITH HVAC UNITS IN LOCATION SHOWN AND CONNECT TO HVAC UNIT CONTROLS. VERIFY THAT THERMOSTAT SELECTION IS COMPATIBLE WITH THE BASE BUILDING CONTROL SYSTEM AND THE REQUIREMENTS OF THE HVAC UNIT CONTROLLERS. THERMOSTAT SHALL INCLUDE 7-DAY PROGRAMMABLE SETPOINT SCHEDULE. INTEGRAL THERMOSTATS SHALL BE UTILIZED WHERE NOTED AND ADJUSTED TO SETPOINTS AS REQUIRED.
- ALL OUTSIDE AIR DUCTWORK AND ALL DUCTWORK INSTALLED ABOVE INSULATED CEILINGS SHALL BE INSULATED WITH 2" THICK FIBERGLASS DUCTWRAP INSULATION WITH VAPOR BARRIER COATING AND A NOMIMAL R-6 RATING. CONDITIONED AIR DUCTWORK INSTALLED OUTDOORS SHALL BE INSULATED WITH A MINIMUM OF 2" THICK FIBERGLASS DUCT INSULATION AND FINISHED WITH A WATERPROOF MASTIC COATING SUITABLE FOR AN EXPOSED DUCTWORK INSTALLATION, OR ACCEPTABLE EQUIVALENT. INSTALLATION SHALL BE COMPLETE FOR ALL DUCTWORK SYSTEMS UNLESS SPECIFICALLY EXCLUDED. INSULATION INSTALLATION SHALL BE IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADE SUCH THAT ALL VAPOR BARRIERS SHALL BE SECURE AND NO LOOSE JOINTS OR PATCHES EXIST IN THE FINISHED PRODUCT.
- SPACE ABOVE CEILINGS AND INSIDE MECHANICAL ROOMS MAY BE USED FOR RETURN AIR PLENUMS. ALL MATERIALS INSTALLED IN AIR PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL HAVE A FLAME—SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE—DEVELOPED INDEX OF NOT MORE THAN 50 AS DETERMINED IN ACCORDANCE WITH ASTM E84.

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- UNLESS NOTED OTHERWISE, ALL NEW FLEXIBLE DUCT CONNECTORS TO SUPPLY AIR DIFFUSERS SHALL BE SIZED IN ACCORDANCE WITH THE FOLLOWING TABLE: CFM RANGE 0-80 81-165 166-300 301-500 FLEX DUCT DIAMETER
  6"
  8"
  10"
  12"
- AFTER COMPLETION OF NEW MECHANICAL SYSTEMS INSTALLATION, ADJUST ALL THERMOSTATS, AIR HANDLING UNITS, PUMPS, BALANCING VALVES, ETC. TO ATTAIN THE PERFORMANCE VALUES SCHEDULED. TEST, ADJUST AND BALANCE ALL AIR OUTLET DEVICES TO CFM VALUES SHOWN WITHOUT CREATING OBJECTIONABLE NOISE OR DRAFTS. PRIOR TO FINAL PROJECT CLOSE—OUT, SUBMIT FOUR COPIES OF FINAL TEST AND BALANCE REPORT TO ARCHITECT AND ENGINEER FOR RECORD.

## Electrical & Mechanical Engineering Consultants ormerstone 260 Flowers Cove Lane Lilburn, Georgia 30047 (770)•381-6933 (770)•381-6844

#### ABOVE FINISHED FLOOR AR HANDLING UNIT ARCHITECT BRITISH THERMAL UNIT / COOLING COIL CAPACITY CONDENSATE DRAIN CUBIC FEET PER MINUTE CHILLED WATER PUMP CHILLED WATER SUPPLY CEILING CLEANOUT COMPRESSOR CONCRETE CONNECTION CONTINUATION CONDENSING UNIT CONDENSER WATER PUMP CONDENSER WATER RETURN CONDENSER WATER SUPPLY DRAWINGS EACH DRAIN DRY BULB DOOR GRILL ENSATE DRAIN FEET PER MINUTE T REGISTER AL STATIC PRESSURE IG WATER TEMPERATURE IL UNIT GRILLE MECHANICAL | OC | OB | OA | NO. | N.C. | HEAT PUMP OUTDOOR UNIT OPENING ELECTRICAL PHASE POWERED INDUCTION UNIT OPPOSED BLADE DAMPER ON CENTER INFRARED HEATER KITCHEN EXHAUST FAN HOT WATER RETURN HOT WATER SUPPLY HEAT PUMP INDOOR UNIT NOT APPLICABLE NOISE CRITERIA NORMALLY CLOSED NORMALLY OPEN NUMBER OR DESIGNATION ORSEPOWER EAVING AIR TEMPERATURE 000 BTU/HOUR **ABBREVIATIONS** WATER TEMPERATURE PRESSURE REDUCING VALVE POUNDS PER SQ. IN. GAUGE REFRIGERANT LIQUID REVOLUTIONS PER MINUTE REFRIGERANT SUCTION ROOFTOP UNIT SUPPLY AIR SUPPLY FAN SUPPLY GRILLE UNLESS NOTED OTHERWISE VARIABLE AIR VOLUME VACUUM BREAKER VOLUME DAMPER RETURN AIR RETURN AIR GRILLE RETURN AIR REGISTER REFRIGERANT SUPPLY REGISTER STAINLESS STEEL STRUCTURAL TRANSITION WET BULB WATER COLUMN WATER GAUGE DEGREES FAHRENEI RELIEF FAN RELATIVE HUMIDITY PERCENT STATIC PRESSURE

MOTOR OPERATED DAMPER

DAMPER

PLUMBING VENT PIPE

DOMESTIC HOT WATER DOMESTIC COLD WATER

SANITARY WASTE PIPE

DUCT LINER (FOR SOUND ATTENUATION)

AIRFLOW — RETURN, EXHAUST OR TRANSFER

AIRFLOW - SUPPLY

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EXISTING FIRE SPRINKLER TO BE REMOVED

FLEXIBLE CONNECTION

POINT OF PIPE CONNECTION NEW TO EXISTING

POINT OF DUCT CONNECTION NEW TO EXISTING

SPLITTER DAMPER

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COMPRESSED AIR PIPE

VERTICAL CLEANOUT HORIZONTAL CLEANOUT OST-

OVERFLOW STORM DRAIN PIPE

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BUILDING SANITARY SEWER PIPE

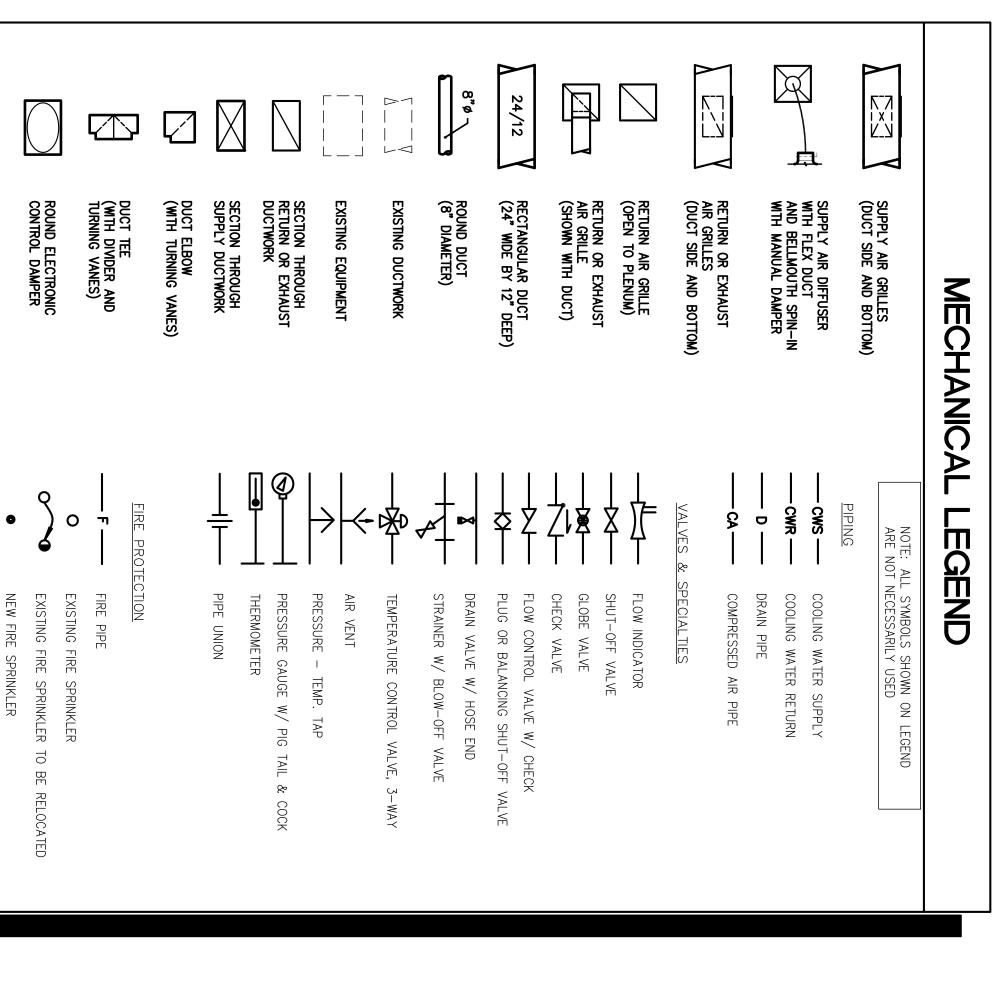
STORM DRAIN/ BUILDING STORM SEWER PIPE

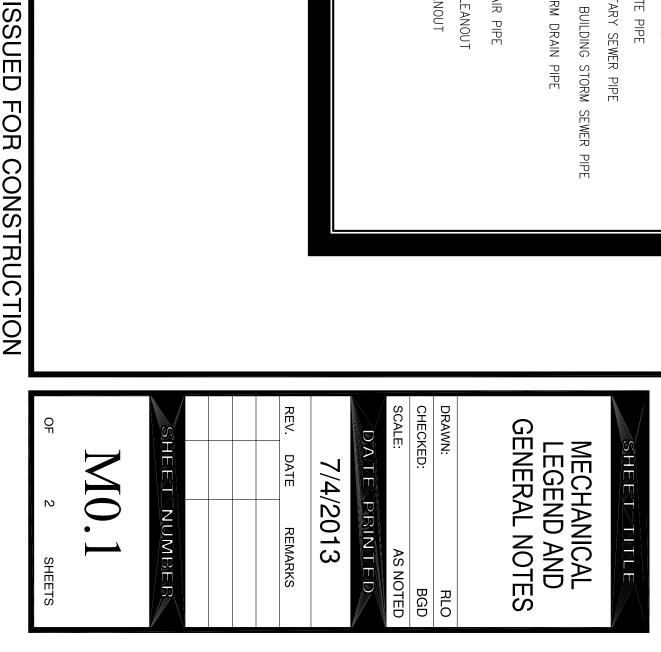
THERMOSTAT

FIRE DAMPER AND ACCESS DOOR

MANUAL VOLUME DAMPER

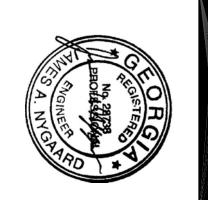
DIFFUSER AND GRILLE DESIGNATION (DIFFUSER A, 200 CFM)





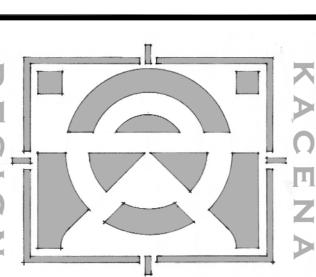
### **BROOK RUN DOG PARK RESTROOM FACILITY**

4770 NORTH PEACHTREE RD



2944 RIDGELOCK COURT ATLANTA, GA 30360 Phone: 404.803.3869 Email: chriskacena@comcast.net SEAL



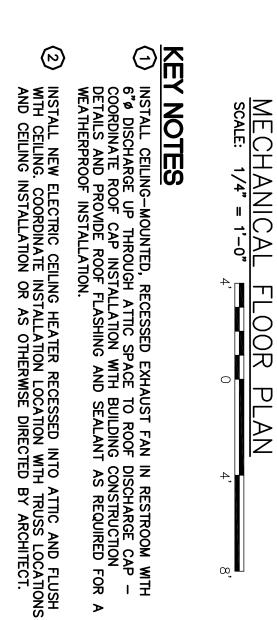


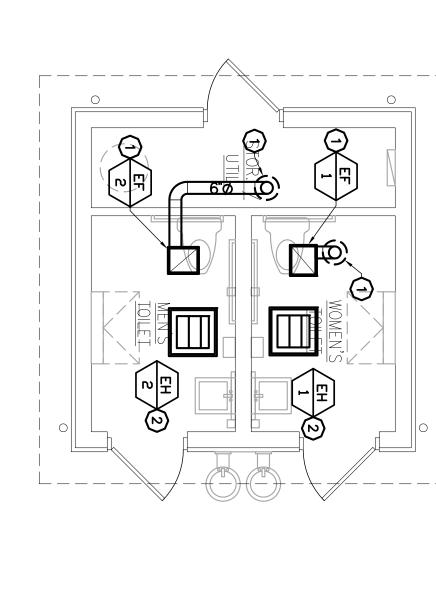
DUNWOODY, GA 30338

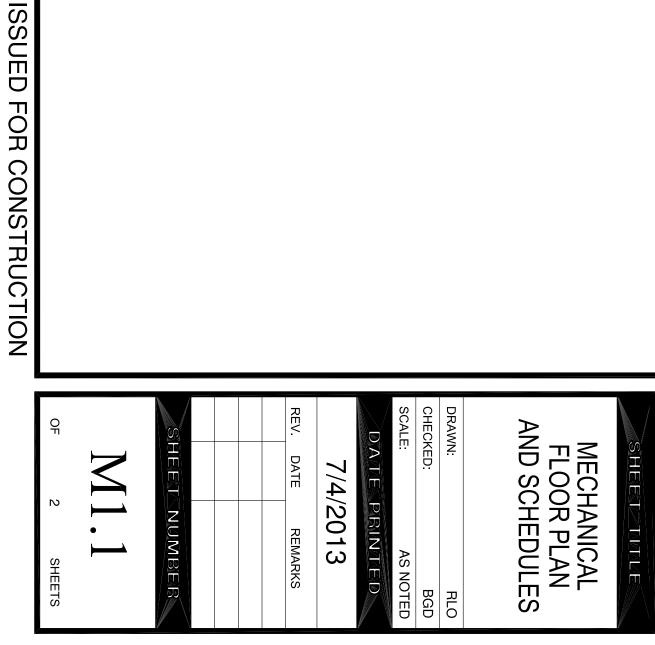


				ш	ELECTRIC HEATER SCHEDULE	CHEDULE	
ITEM	TYPE	KW	CFM	VOLT/ø	MANUFACTURER AND MODEL NUMBER	NOTES	
- 1 - 1	CEILING-MOUNTED HTR	3	425	240/1	MARKEL H3483-TA1S	-	
EH-2	CEILING-MOUNTED HTR	3	425	240/1	MARKEL H3483-TA1S	1	
NOTES:	<u>NOTES;</u> 1. PROVIDE UNIT WITH THERMOSTAT, TRANSFORMER AND DISCONNECT SWITCH	; TRANSFORM	er and disc	CONNECT SWITCH	4		

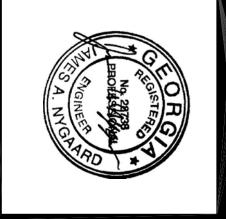
FF-2 CEILING EXHAUST MEN'S TOILET ROOM 90 0.25 DIRECT 3.0 1100 98W  EF-2 CEILING EXHAUST MEN'S TOILET ROOM 90 0.25 DIRECT 3.0 1100 98W
CEILING EXHAUST WOMEN'S TOILET ROOM 90 0.25 DIRECT 3.0 1100 CEILING EXHAUST MEN'S TOILET ROOM 90 0.25 DIRECT 3.0 1100
CEILING EXHAUST MEN'S TOILET ROOM 90 0.25 DIRECT 3.0 1100



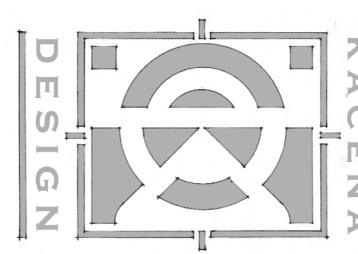


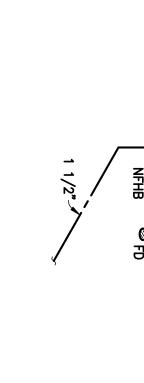


## BROOK RUN DOG PARK **RESTROOM FACILITY**



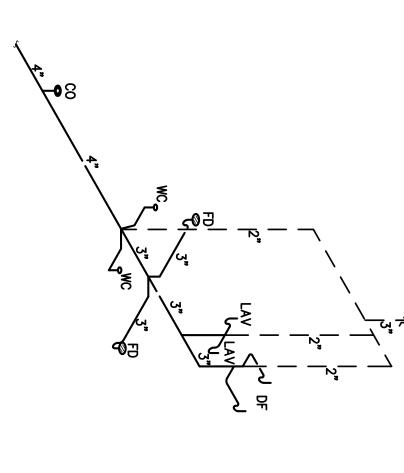






PLUMBING SUPPLY RISER DIAGRAM





GENERAL NOTES:

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GEND

- PLUMBING CONTRACTOR SHALL FIELD COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL POWER REQUIREMENTS.
   CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING THEIR BID. NO ADDITIONAL COMPENSATION WILL BE MADE FOR ANY EXTRAS DUE TO CONTRACTOR'S FAILURE TO VISIT THE JOBSITE AND/OR PREDETERMINE. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER FOR RESOLUTION.
   CONTRACTOR TO VERIFY LOCATIONS OF ALL UTILITIES ON SITE.
   CONTRACTOR IS TO PROVIDE COMPLETE CONNECTIONS TO OWNER FURNISHED EQUIPMENT.

- CONTRACTOR TO COORDINATE THE LOCATION OF ALL CEILING DEVICES WITH REFLECTED CEILING PLAN AND STRUCTURE PRIOR TO BEGINNING WORK.
- JUMBING DRAWINGS ARE DIAGRAMMATIC AND DO NOT NECESSARILY DICATE EVERY REQUIRED OFFSET, FITTING, ETC. DRAWINGS ARE DIT TO BE SCALED FOR DIMENSIONS. TAKE ALL DIMENSIONS FROM RCHITECTURAL DRAWINGS, CERTIFIED EQUIPMENT DRAWINGS AND ROME THE STRUCTURE ITSELF BEFORE FABRICATING ANY WORK, ERIFY ALL SPACE REQUIREMENTS COORDINATING WITH OTHER RADES, AND INSTALL THE SYSTEMS IN THE SPACE PROVIDED THOUT EXTRA CHARGES TO THE OWNER.
- THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR TO MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM HIS WORK.

  ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE STATE CODES, LOCAL CODES AND OWNER'S STANDARDS INDICATED BY THE CONSTRUCTION DOCUMENTS. SCHE Щ

# NOTES ABBRE

## <u>JMBING</u> **CIFICATIONS:**

WATER PIPING

A. PIPING (INSIDE BUILDING)

1. NON-BURIED LINES, TYPE "L" COPPER WATER TUBE, WROUGHT COPPER FITTINGS AND 96-4 (TIN/SILVER) OR CANFIELD 100% WATERSAFE (SILVER-TIN COPPER) SOLDER.

NOTES:

1. ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE 2. SEE ARCHITECTURAL DRAWINGS FOR HEIGHT OF COUNTERTOP. 3. MAXIMUM HOT WATER SUPPLY TEMP.=110°F.

WITH A.D.A.

REQUIREMENTS.

CLEANOUT AND ACCESS
COVER. TOP OF COVER
TO BE FLUSH W/TOP
OF FLOOR.

LAVATORY (ADA)
DRINKING FOUNTAIN

1/2"

1/2"

1-1/4"

2, 3

1.01

WATER CLOSET
LAVATORY (AD

(ADA)

FIXTURE TYPE

MINIMUM CONNECTION SIZE

CW HW W

1" - 4"

REMARKS

18,

SEAT HEIGHT

FIXTURE

 $\subseteq$   $\square$ 

2. VALVES AND SPECIALTIES

GATE VALVES:

BRONZE, CLASS 125, 200 LB. W.O.G.

GLOBE VALVES:

BRONZE, CLASS 125, 200 LB. W.O.G.

SWING CHECK VALVES:

BRONZE, CLASS 125, 200 LB. W.O.G.

SWING CHECK VALVES:

FURNISH AND INSTALL A DIELECTRIC UNION AT ALL

CONNECTIONS WHERE FERROUS MATERIAL.

TO NON-FERROUS MATERIAL.

STRAINERS:

STRAINERS:

STEEL SCREEN.

PRESSURE TEMP. TAPS: UNIVERSAL CONTROLS CORPORATION #45-PT-N.SISCO

BNO-500 1/2 NPT, NORDEL CORE.

1.02

ALL WASTE AND VENT PIPING ABOVE GRADE MAY BE DWV COPPER PIPE AND FITTINGS USING SOLDER SPECIFIED ABOVE FOR WATER PIPING. AND VENT PIPING
ATERIALS; WASTE AND VENT PIPING (INSIDE BUILDING)
WASTE LINES ABOVE GROUND; STD. WT., C.I. SOIL PIPE AND FITTINGS OR HUBLESS,
C.I. SOIL PIPE AND FITTINGS. UP THRU 2—1/2" MAY BE STD. WTG., GALV. STEEL
PIPE W/BLACK, C.I. DRAINAGE FITTINGS. VENT LINES ABOVE GROUND; STD. WT., C.I. SOIL PIPE AND FITTINGS, HUBLESS C.I. SOIL PIPE AND FITTING OR, STD. WT., GALV. STEEL PIPE W/150 LB., GALV. MALL. IRON FITTINGS FOR LINES 1-1/2" AND OVER, FOR LINES 1-1/4" AND LESS, BLACK, C.I. 125 LB. SWP FITTINGS.

WASTE AND VENT PIPING MAY BE PVC DWV PIPE WITH SOLVENT WELD DWV FITTINGS IF ACCEPTABLE TO THE PLUMBING INSPECTION AUTHORITY. PROVIDE WRITTEN CONFIRMATION OF LOCAL AUTHORITY ACCEPTANCE PRIOR TO INSTALLING NEW WORK. PVC PIPING INSTALLATION SHALL BE PERFORMED IN STRICT CONFORMANCE WITH THE MANUFACTURER'S REQUIREMENTS FOR COUPLING PREPARATION AND INSTALLATION CONDITIONS.

TURES AND EQUIPMENT FIXTURES
I. INSTALL FIXTURES AND ALL PIPE AT THE FIXTURES WHICH MAY BE EXPOSED TO VIEW SHALL BE BRASS CHROME FINISH, FINISHED WITH CHROME ESCUTCHEONS WHERE THEY PROJECT FROM WALLS AND FLOORS. SECURE FIXTURES TO WALLS AND FLOOR OR COUNTERTOPS IN ACCORDANCE WITH MANUFACTURER'S ROUGHING—IN AND SETTING REQUIREMENTS AND FORM A RIGID INSTALLATION. AND/OR ROUGH-IN ACCORDING TO THE SPECIFICATIONS.

STOP VALVES SHALL BE FURNISHED AND INSTALLED EQUIPMENT AND AT ROUGH—IN LOCATIONS.

	RDERING.	OR TO O	TOR PRI	ITRAC	;AL CON	NOTES:  1. A.O. SMITH OR APPROVED EQUAL.  2. ELECTRICAL CHARACTERISTICS TO BE COORDINATED WITH ELECTRICAL CONTRACTOR PRIOR TO ORDERING.  3. HOT WATER THERMOSTAT SETPOINT @ 105%.	COORDINATE	EQUAL. ICS TO BE ETPOINT @	APPROVED RACTERISTI RMOSTAT S	NOTES:  1. A.O. SMITH OR APPROVED EQUAL.  2. ELECTRICAL CHARACTERISTICS TO BE COORD  3. HOT WATER THERMOSTAT SETPOINT @ 105%.	NOTES: 1. A.O. 2. ELEC 3. HOT
1, 2, 3	18.25" 1, 2, 3	18"	3	_	240 1	12	10	ELECTRIC	DEL-10	WH1 A.O. SMITH DEL-10 ELECTRIC	¥H1
100	HEIGHT	DIA.	KW	<b>₽</b> .	VOLT.	(GALLONS) (GPH@100°F) VOLT. PH.	(GALLONS)				2
Salon		DIMENSIONS	DATA	RICAL	ELECT	CAPACITY MIN. RECOVERY ELECTRICAL D	CAPACITY	TYPE		MAKT	TAG
						WATER HEATER SCHEDULE	-R S(	EATE	R H	WATE	

-PIPE FULL SIZE TO FIXTURE

WATER NO SCALE

**SERVICE** 

ENTRANCE

DETAIL

WATER NO SCALE

<u>HEATER</u>

DETAIL

ISSUED FOR CONSTRUCTION

DUTE TO THE — EAREST OUTSIDE

-REDUCER, IF REQUIRED. -'TTING

-- PRV; SET AT 60 P.S.I. (PRV NOT REQUIRED IF WATER PRESSURE IS LESS THAN 60 PSI)

PRESSURE GAUGE, (REQUIRED ONLY IF PRV IS INSTALLED)

CW TO BLDG. PLMB'G. SYST?

RELIEF VALVE; PIPE FULL SIZE
TO FLOOR DRAIN OR EXTERIOR
WALL. (RELIEF VALVE
REQUIRED ONLY IF PRV IS
INSTALLED)

VACUUM RELIEF VALVE LOCATED 6" MIN. ABOVE HEATER EQUAL TO WATTS NO. N-36.

COLD AND HOT WATER SEE FLOOR PLAN FOR SIZES AND CONTINUATION.

WH MOUNTED ABOVE CEILING.

1.04

-1/2" THREADED ROD. CONNECT SECURELY TO STRUCTURE. (TYPICAL FOR FOUR)

GATE VALVE

CLEANOUT NO SCALE

<u>DETAILS</u>

CLEANOUT

-1/8 BEND IF CLEANOUT OCCURS AT END OF LINE

1.03

FLOOR CLEANOUT (FCO)
CLEANOUT NOT TO BE LOCATED
IN CARPETED AREA

-1/8 C.I. BEND

BALANCE OF PIPING
SAME AS CLEANOUT
TO GRADE

C.I. WASTE LINE. LENGTH TO SUIT.

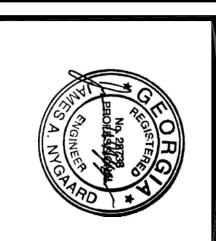
/8 C.I. BEND

THERMAL EXP. TANK

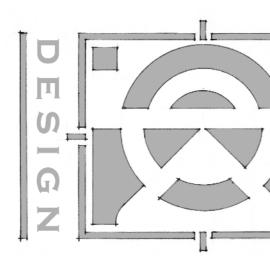
								<u> </u>	
P0.1		REV. DATE REMARKS	7/4/2013	DATE PRINTED	SCALE: AS NOTED	CHECKED: BGD	DRAWN: RLO		PLUMBING DETAILS AND SCHEDULES

## **BROOK RUN DOG PARK** RESTROOM FACILITY

DUNWOODY, GA 30338







4770 NORTH PEACHTREE RD



PLUMBING FLOOR PLANS DATE 7/4/2013 P PRINTED REMARKS RLO BGD AS NOTED

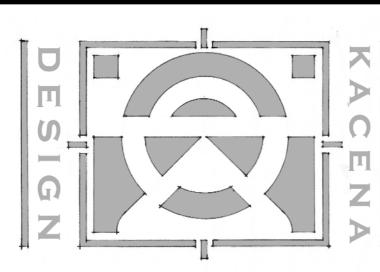
DUNWOODY, GA 30338

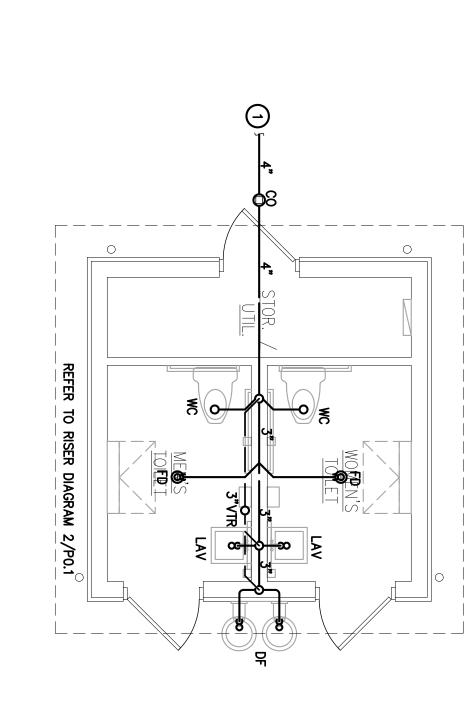
## BROOK RUN DOG PARK **RESTROOM FACILITY**

4770 NORTH PEACHTREE RD



2944 RIDGELOCK COURT ATLANTA, GA 30360 Phone: 404.803.3869 Email: chriskacena@comcast.net





## KEY NOTES:

- (1) COORDINATE FINAL SANITARY DRAIN LINE INVERT ELEVATIONS WITH CIVIL SITE PLANS.
- COORDINATE WATER SERVICE LINE WITH CIVIL SITE PLANS.

(a) (b)

(4) WATER HEATER LOCATED IN UTILITY ROOM, CONTRACTOR TO VERIFY PLUMBING REQUIREMENTS. CONTRACTOR TO PROVIDE SHUT-OFF VALVE, PRESSURE REDUCING VALVE AND RPZ BACKFLOW PREVENTER AS REQUIRED.

- GENERAL NOTES:

  1. PROVIDE SHUT-OFF VALVES ABOVE ACCESSIBLE CEILING SPACE ON ALL BRANCH LINES AND PRIOR TO DROPS BELOW FLOOR, TYPICAL.
- 2. REFER TO OTHER DRAWINGS FOR DETAILED EQUIPMENT CONNECTIONS, FIXTURE SCHEDULE, ETC. ALL FIXTURES SHOWN SHALL BE FURNISHED UNDER THIS CONTRACT, UNLESS SPECIFICALLY NOTED OTHERWISE.

  PROVIDE TRAP PRIMERS ON FLOOR DRAINS AS REQUIRED BY CODE.

  COORDINATE LOCATIONS OF FIXTURES, FLOOR DRAINS, AND CLEANOU WITH ARCHITECTURAL FLOOR PLAN.

