Project Number 11/07/2014

CONSTRUCTION DOCUMENTS

DOWNTOWN PLAZA RENOVATION PROJECT

111 East University Avenue, Gainesville, FL 32601

12037c #

PROJECT TEAM

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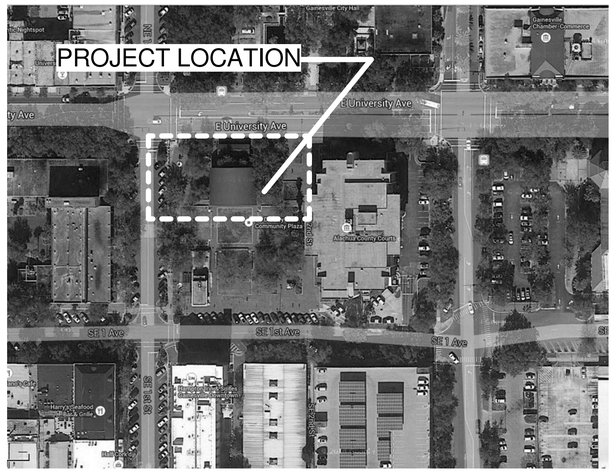
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LOCATION MAP

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COVER PAGE

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Dated	11/07/2014
PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

G000

Scale

Project Number 11/07/2014

CONSTRUCTION DOCUMENTS

ABBREVIATIONS (A THRU D) CONTINUED

ALM	ALARM
AFF	ABOVE FINISHED FLOOR
ACT	ACOUSTICAL CEILING TILE
AWT	ACOUSTICAL WALL TREATMENT
ADJ	ADJUSTABLE
A/C	AIR CONDITION
AHU	AIR HANDLING UNIT
ALUM	ALUMINUM
ADA	AMERICANS WITH DISABILITIES ACT
ARCH	ARCHITECT
BALC	BALCONY
BR	BEDROOM
BM	BENCHMARK
BITUM	BITUMINOUS
BD	BOARD
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BRKT	BRACKET
BI FLD DR	BIFOLD DOORS
BLDG	BUILDING
CW	CASEMENT WINDOW
CBB	CEMENTITIOUS BACKER BOARD
CAB	CABINET
CPT	CARPET
CTR	CENTER
C/C	CENTER TO CENTER
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTF-FTS	CUT TO FIT - FIT TO SUITE
CH BD	CHAULK BOARD
CR	CLOSET ROD
CH	COAT HOOK
COL	COLUMN
CLL	COLUMN LINE
CMU	CONCRETE MASONRY UNIT
CSB	CONCRETE SPLASH BLOCK
CJ	CONTROL JOINT
DL	DOUBLE
DHW	DOUBLE HUNG WINDOWS
DMPF	DAMP PROOFING
DEMO	DEMOLITION
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DS	DOWN SPOUT
DWG	DRAWING

ABBREVIATIONS (E THRU H) CONTINUED

EB	EXPANSION BOLT
EWC	ELECTRIC WATER COOLER
EA	EACH
E	EAST
EL	ELEVATION
ELECT	ELECTRICAL
ELEV	ELEVATION
EQ	EQUAL
EQUIP	EQUIPMENT
EXH	EXHAUST
EXIST	EXISTING
EJ	EXPANSION JOINT
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
FOS	FACE OF STUD
FT	FEET
FIN	FINISH
FIN FLR	FINISH FLOOR
FIN GR	FINISH GRADE
FFL	FINISHED FLOOR LEVEL
FO	FINISHED OPENING
FA	FIRE ALARM
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER AND CABINET
FHC	FIRE HOSE AND CABINET
FLR FIN	FLOOR FINISH
FLR SNK	FLOOR SINK
FLUOR	FLUORESCENT
GC	GENERAL CONTRACTOR
GALV	GALVANIZED
GL	GLASS
GFRG	GLASS FIBER REINFORCED GYPSUM
GFRC	GLASS FIBER REINFORCED CEMENT
GR FL	GROUND FLOOR
GYM	GYMNASIUM
GYP BD	GYPSUM BOARD
GL BL	GLASS BLOCK
HC	HANDICAP
HT	HEIGHT
HMD	HOLLOW METAL DOOR
HMDF	HOLLOW METAL DOOR AND FRAME
HMF	HOLLOW METAL FRAME
HORIZ	HORIZONTAL
HB	HOSE BIB
HCB	HOSE CABINET
H&CW	HOT AND COLD WATER
HW	HOT WATER

ABBREVIATIONS (I THRU N) CONTINUED

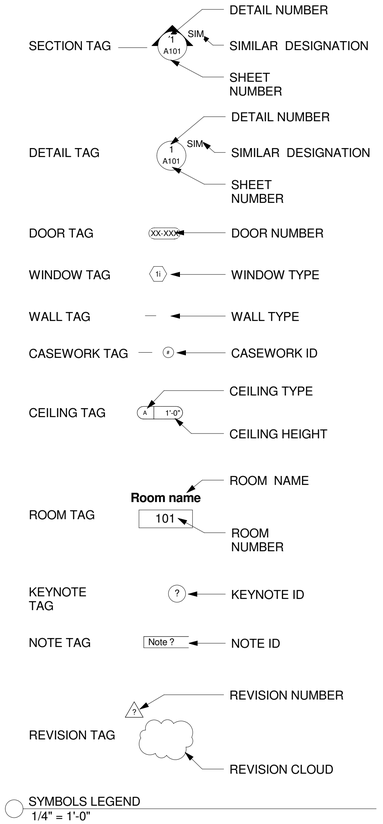
INCL	INCLUDED
INFO	INFORMATION
ID	INSIDE DIAMETER
INSUL	INSULATION
JAN	JANITOR
JAN CLO	JANITOR CLOSET
LAM	LAMINATE
LAM GL	LAMINATED GLASS
LAV	LAVATORY
LT GA	LIGHT GUAGE
LWC	LIGHT WEIGHT CONCRETE
LD BRG	LOAD BEARING
LVR	LOUVER
MECH	MECHANICAL
MFR	MANUFACTURER
MFR REC	MANUFACTURER RECOMMENDATION
MRT	MARBLE THRESHOLD
MO	MASONRY OPENING
MBR	MASTER BEDROOM
MAX	MAXIMUM
MEMB	MEMBRANE
MWP	MEMBRANE WATERPROOFING
MTL	METAL
MTL STD	METAL STUD
MD	METAL DECK
METD	METAL DOOR
METF	METAL FLASHING
MEZZ	MEZZANINE
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLDG	MOULDING
MS	MOP SINK
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER

ABBREVIATIONS (0 THRU S) CONTINUED

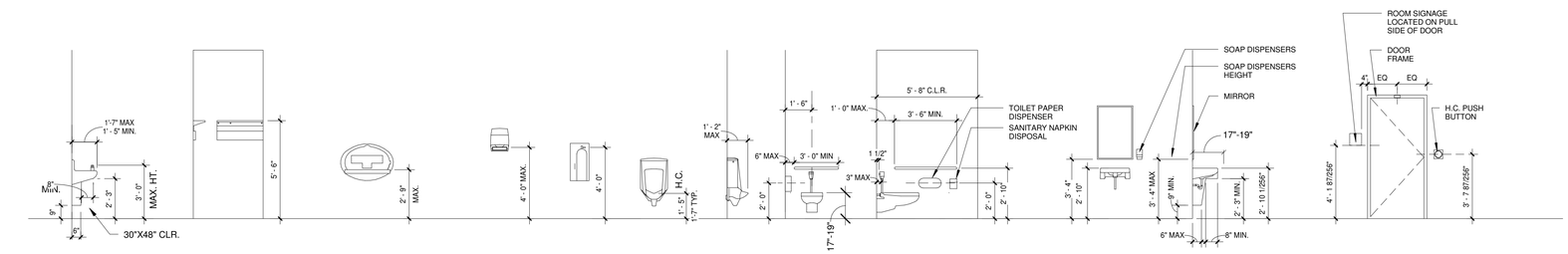
OFCI	OWNER FURNISH CONTRACTOR INSTALL
OFOI	OWNER FURNISH OWNER INSTALL
ORD	OVERFLOW ROOF DRAIN
OH DR	OVERHEAD (CCOILING) DOOR
PT	PAINT
PR	PAIR
PERIM	PERIMETER
PLAM	PLASTIC LAMINATE
PWR	POWER
PCC	PRECAST CONCRETE
PT	PRESSURE TREATED
QTY	QUAINTLY
QTR	QUARTER
R	RADIUS
RLG	RAILING
REC	RECESSED
REF	REFERENCE
RD	ROOF DRAIN
RDL	ROOF DRAIN LEADER
RCP	REFLECTED CEILING PLAN
REINF	REINFORCE
REBAR	REINFORCING STEEL BARS
REQ	REQUIRED
REV	REVISION
RH	RIGHT HAND (OR ROOF HATCH/SCUTTLE)
RDG INS	RIGID INSULATION
RO	ROUGH OPENING
RB	RUBBER BASES
SAN	SANITARY
SCHED	SCHEDULE
SCP	SCUPPER
SLNT	SEALANT
SMLS	SEAMLESS
SHT	SHEET
SM	SEAMLESS
SHT	SHEET
SM	SHEET METAL
SHV	SHELVING
SH	SHINGLES
SD	SHOP DRAWINGS
SHR	SHOWER
SHRD	SHOWER DRAIN
SHR HD	SHOWER HEAD
SKLT	SKY LIGHT

ABBREVIATIONS (S THRU Z) CONTINUED

SKLT	SKY LIGHT
SGD	SLIDING GLASS DOOR
SCMU	SOLID CONCRETE MASONRY UNIT
SCWD	SOLID CORE WOOD DOOR
STC	SOUND TRANSMISSION CLASS
S	SOUTH
SQ	SQUARE
SF	SQUARE FEET(FOOT)
SQ YD	SQUARE YARD
SS	STAINLESS STEEL
SSR	STANDING SEAM ROOFING SYSTEM
STL JST	STEEL JOIST
STL RF DK	STEEL ROOF DECK
ST	STREET
TWH	TANKLESS WATER HEATER
TMPD GL	TEMPERED GLASS
TEMP	TEMPORARY
THK	THICKNESS
TOS	TOP OF STEEL
TOB	TOP OF BEAM
TN	TRUE NORTH
TYP	TYPICAL
TYP UNO	TYPICAL UNLESS NOTED OTHERWISE
UNO	UNLESS NOTED OTHERWISE
UCD	UNDERCUT DOOR
UR	URINAL
VAP PRF	VAPOR PROOF
VR	VAPOR RETARDER
VTR	VENT THROUGH ROOF
VIF	VERIFY IN FIELD
VERT	VERTICAL
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VFAT	VINYL FACED ACOUSTICAL TILE
WC	WATER CLOSET
WH	WATER HEATER
WPM	WATER PROOF MEMBRANE
WH	WEEP HOLE
WWF	WELDED WIRE FABRIC
WGL	WIRED GLASS
W/	WITH
WD	WOOD
WD STD	WOOD STUD
WDF	WOOD DOOR AND FRAME



SYMBOLS LEGEND
1/4" = 1'-0"



MOUNTING HEIGHTS
1/4" = 1'-0"

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PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

G001

Scale 1/4" = 1'-0"

GENERAL BUILDING NOTES

1. USE & DESCRIPTION OF PROJECT:

THE DOWNTOWN PLAZA RENOVATION PROJECT INVOLVES THE CONSTRUCTION OF A CAFE, A KIOSK, A GREENROOM ADDITION TO THE EXISTING STAGE STRUCTURE, AND VARIOUS SITE MODIFICATIONS INCLUDING NEW HARDSCAPE, LANDSCAPE, SITE LIGHTING, NEW UTILITIES (WATER, WASTEWATER, POWER, AND COMMUNICATIONS) AND NEW PLAZA SURFACES TO INCLUDE CONCRETE BANDING, PERVIOUS CONCRETE AND PAVERS. THE PROJECT SITE IS LOCATED ON 1.2 ACRES BOUNDED BY EAST UNIVERSITY AVENUE, SE 1ST STREET, SE 1ST AVENUE, AND THE ALACHUA COUNTY COURTHOUSE. THE PROJECT SITE IS ZONED CCD. THE STORMWATER MANAGEMENT REQUIREMENTS FOR THE PROJECT WILL BE SATISFIED BY UTILIZING A PERVIOUS PAVEMENT SYSTEM (PERVIOUS CONCRETE/PAVERS).

2. THE PROPERTY OWNER IS:

CITY OF GAINESVILLE
C/O LAND RIGHTS COORDINATOR
PO BOX 490 MS 58
GAINESVILLE, FLORIDA 32602

3. THE PROPERTY TAX PARCEL IS:

14622 -000-000

4. LEGAL DESCRIPTION:
BLOCK 4, RANGE 3 IN THE ORIGINAL SURVEY OF GAINESVILLE, FLORIDA AS PER PLAT THEREOF RECORDED IN DEED BOOK "H", PAGE 383 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA. ALSO, THE WEST 1/2 OF A 40 FOOT STREET LYING BETWEEN BLOCK 4, RANGE 3, AS SHOWN IN DEED BOOK "H", PAGE 383 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA, CLOSED BY CITY OF GAINESVILLE ORDINANCE #2135.

5. THE PROPERTY IS ZONED: CCD

6. THE PROPERTY LAND USES ARE: PF, OUTDOOR CAFE, OUTDOOR PERFORMANCES AND ENTERTAINMENT

7. OVERLAY DISTRICT: TRADITIONAL CITY SPECIAL AREA PLAN

8. EXISTING DEVELOPMENT DATA:

PUBLIC SERVICE, OUTDOOR CAFE, OUTDOOR PERFORMANCES AND ENTERTAINMENT

A. OCCUPANCY CLASS: BUSINESS AND MERCANTILE
B. TYPE OF CONSTRUCTION: III-B
C. TOTAL BUILDING AREA:
BUILDING 1 (FAST FOOD RESTAURANT) GROSS = 940 SF, HEATED/COOLED = 440 SF
BUILDING 2 (STAGE/RESTROOMS/GREENROOM) GROSS = 5,218 SF, HEATED/COOLED = 718 SF
D. HEIGHT/STORIES: 1 (BUILDING 1 AND BUILDING 2)
E. CURRENT DENSITY: N/A
F. REQUIRED SET BACKS:
FRONT - 0 FT
SIDE - 0 FT
REAR - PRINCIPAL STRUCTURE - 0 FT
REAR = ACCESSORY STRUCTURE (S) = 0 FT
CURRENT SET BACKS:
BUILDING 1
FRONT - 25.5 FT
SIDE - 26.5 FT
REAR - 197.3 FT
BUILDING 2
FRONT - 43.5 FT
SIDE - 65.3 FT
REAR - 181.6 FT

G. CURRENT LOT WIDTH: 200 FEET (PLUS 20 FEET VACATED R/W), MINIMUM LOT WIDTH: N/A
H. CURRENT LOT DEPTH: 240 FEET, MINIMUM LOT DEPTH: N/A
I. CURRENT LOT AREA: 48,000 SF = 100%, [WITH VACATED R/W = (48,875 SF + 4,800 SF) = 52,800 SF], MINIMUM LOT AREA: N/A
J. TOTAL EXISTING IMPERVIOUS AREA: 33,479 SF = 63.4%
K. EXISTING OPEN SPACE = 51,642 SF = 98.0%. (TOTAL PLAZA AREA - EXISTING BUILDING FOOTPRINTS)

9. PARKING REQUIREMENTS: TRADITIONAL CITY - NO PARKING REQUIRED

USE:	VEHICULAR:	MOTORCYCLE:	BICYCLE:
			10%

10. PROPOSED BUILDING CODE DATA:

A. OCCUPANCY CLASS:

BUILDING	OCCUPANCY TYPE	USE	OCCUPANCY AREA (SF)/OCCUPANCY
CAFE	MERCANTILE GROUP A	RESTAURANT	972 SF/ (315 SF DINING AREA W/21 MAX
GREENROOM	BUSINESS GROUP B	DRESSING/RESTROOMS	1,158 SF/1,555 SF W/ORIGINAL BLD. W/37 MAX
KIOSK	MERCANTILE GROUP A	INFORMATION BOTH	134 SF/2 MAX

B. TYPE OF CONSTRUCTION:

BUILDING	CONSTRUCTION TYPE
CAFE	TYPE III-A
GREENROOM	TYPE III-A
KIOSK	TYPE III-A

C. GROSS BUILDING AREA (UNDER ROOF):

BUILDING	HEATED/COOLED	OVERHANGS/PORCHES	GROSS BUILDING AREA
CAFE	972 SF	894 SF	1,866 SF
GREENROOM	1,158 SF	209 SF	1,367 SF
KIOSK	134 SF	156 SF	290 SF
TOTAL =	2,264 SF	1,259 SF	3,442 SF

D. HEIGHT (A.F.F.):

BUILDING	HEIGHT
CAFE	14' 8"
GREENROOM	15' 6"
KIOSK	15' 8"

E. SPRINKLERED NO

F. THE PROJECT SITE AND BUILDING COMPLIES WITH THE FOLLOWING FLORIDA BUILDING CODE AND/ALL APPLICABLE CODES REFERENCED HEREIN:
FLORIDA BUILDING CODE, BUILDING (FBC-B) 2010 EDITION
FLORIDA BUILDING CODE, EXISTING BUILDING (FBC-EB) 2010 EDITION
FLORIDA BUILDING CODE, PLUMBING (FBC-P) 2010 EDITION
FLORIDA BUILDING CODE, FUEL GAS (FBC-FG) 2010 EDITION
FLORIDA BUILDING CODE, MECHANICAL (FBC-M) 2010 EDITION
FLORIDA BUILDING CODE, ENERGY CONSERVATION 2010 EDITION
FLORIDA BUILDING CODE, ACCESSIBILITY 2010 EDITION
FLORIDA FIRE PREVENTION CODE (FBC-F) 2010 EDITION
NATIONAL ELECTRICAL CODE (NEC) 2008 EDITION
NFPA 101 LIFE SAFETY CODE W/FLORIDA MODIFICATIONS 2009 EDITION
FLORIDA FIRE PREVENTION CODE 2010 EDITION
NFPA 1 UNIFORM FIRE CODE 2009 EDITION

G. PANIC HARDWARE WILL BE INSTALLED WITH THE BUILDING RENOVATIONS.

11. THIS SITE IS NOT LOCATED IN A FLOOD PLAIN.

12. THIS SITE IS NOT LOCATED AN HISTORIC DISTRICT..

13. THE SITE IS NOT LOCATED IN THE GREENWAY, NATURE PARK, GATEWAY, OR WELLFIELD .

14. STORMWATER TREATMENT WILL BE REQUIRED. THE PROPOSED STORMWATER MANAGEMENT SYSTEM WILL UTILIZE A PERVIOUS CONCRETE SURFACE OVER 57 STONE WITHIN CERTAIN "BANDED" AREAS OF THE PLAZA. THE SYSTEM WILL BE DESIGNED INTERCPET THE FIRST 1/2 INCH OF RUNOFF AND INFILTRATE THAT VOLUME INTO THE GROUND AND RECOVER THE STORAGE VOLUME WITHIN 72 HOURS. THE PROJECT RESIDES IN THE SWEEETWATER CREEK DRAINAGE BASIN.

15. EIGHTEEN(18) TREES 8 INCHES AND LARGER WILL BE REMOVED FROM THE SITE. STREET TREES WILL BE PLANTED AROUND THE PERIMETER OF THE SITE AND ANY EXCESS TREE REPLACEMENT THAT CAN NOT BE ACCOMMODATED ON-SITE WILL BE MITIGATED.

16. ALL EXIT DOORWAYS SHALL OPEN ONTO A LANDING OF AT LEAST THE WIDTH OF THE DOOR AND SHALL BE THE SAME ELEVATION AS THE BUILDING FINISHED FLOOR, THIS CRITERIA WILL BE MET. THE DOORWAY LOCATIONS ARE SHOWN ON THE DESIGN DRAWINGS.

17. THIS SITE WILL BE INGRESSED AND EGRESSED FROM THE PERIMETER PUBLIC SIDEWALKS. THE ENTIRE PROJECT SITE IS PUBLICLY OWNED.

18. TRIP GENERATION DATA (SEE TRIP GENERATION CALCULATIONS FOR DETAILS) :

A. THE PROJECT IS LOCATED IN ZONE A OF THE CITY'S TRANSPORTATION MOBILITY PROGRAM AREA (TMPA).

B. PROVIDED DATA FOR NEW TRIPS:

SEE THE TABULATION AT THE TOP OF THE NEXT COLUMN

C. THIS PROPERTY IS LOCATED WITH ZONE A OF THE CITY'S TRANSPORTATION MOBILITY PROGRAM AREA AND THE DEVELOPMENT WILL MEET THE PROVISIONS OF TRANSPORTATION MOBILITY ELEMENT POLICY 10.1.4.

19. FIRE PROTECTION CONCERNS:

A. THERE ARE NO SPECIAL FIRE PROTECTION CONCERNS RELATED TO THE USE OF THE BUILDING.

B. FIVE (5) FIRE HYDRANTS ARE LOCATED WITHIN 500 FEET OF THE PROJECT SITE (SEE PLANS).

C. SMOKE DETECTION TO COMPLY WITH NFPA 72 (2009 EDITION)

D. THE PLANS WILL CONFORM TO THE REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA FIRE PREVENTION CODE AND ALL REFERENCED CODES AND STANDARDS THEREIN.

E. THE FIRE HYDRANTS AND STABILIZED ROAD SURFACES WILL BE OPERATIONAL PRIOR TO ACCUMULATION OF COMBUSTIBLES ON SITE.

20. PROPOSED SETBACKS PROVIDED FROM PROPERTY BOUNDARY:

BUILDING	FRONT	REAR	SIDE
CAFE	10.4'	251.2'	28.5
GREENROOM	18.9'	181.0'	61.2'
KIOSK	9.6'	218.8'	0.6'

21. ALL UTILITY SERVICE ARE INSTALLED BENEATH THE SURFACE OF THE GROUND.

22. PROPOSED DEVELOPMENT DATA:

A. TOTAL SITE AREA: 52,800 SF = 1.21 AC = 100%

B. BUILDING FOOTPRINT AREA: 7,922 SF = 0.18 ACRES = 15.0%

BUILDING	AREA
CAFE	972 SF
GREENROOM	1,158 SF
KIOSK	134 SF
EXISTING FAST FOOD CAFE	440 SF
EXISTING STAGE/RESTROOMS/GREENROOM	5,218 SF
TOTAL	7,922 SF

C. PLAZA PAVEMENT SURFACE: 26,390 SF = 0.61 ACRES =50.0%

D. TOTAL IMPERVIOUS AREA: 34,312 SF = 0.79 ACRES = 65.0%

E. LANDSCAPED AREA: 18,488 SF = 0.42 ACRES =35.0%

F. GROSS SQUARE FOOTAGE:

BUILDING	AREA
CAFE	972 SF
GREENROOM	1,158 SF
KIOSK	134 SF
EXISTING FAST FOOD CAFE	440 SF
EXISTING STAGE/RESTROOMS/GREENROOM	5,218 SF
TOTAL	7,922 SF

23. PARKING AND BICYCLE SPACE DATA SUMMARY:

A. PARKING SPACES REQUIRED

NONE - TRADITIONAL CITY (CAFE - 3 SPACES + 1 FOR EACH 3 SEATS OF SEATING CAPACITY = 3 + 48/3 = 19 SPACES)

B. PARKING SPACES PROVIDED

NONE

C. ADA SPACES REQUIRED = NONE

D. ADA SPACES PROVIDED:

NONE

E. BICYCLE SPACES REQUIRED

10% OF PARKING SPACES PROVIDED

TOTAL = (10% X 19) = 2 SPACES REQUIRED

F. BICYCLE SPACES PROVIDED = 16

G. SCOOTER SPACES REQUIRED = NONE

H. SCOOTER SPACES PROVIDED = NONE

I. MOTOR CYCLE SPACES REQUIRED =NONE

J. MOTORCYCLE SPACES PROVIDED = NONE

Project Description

The project involves the addition of a Café and a Kiosk, and the expansion of an existing Greenroom. *Note, only the Café will be considered in the Trip Generation Analysis.*

Average Daily Trips = Café (Proposed) (ITE 932 High Turnover Restaurant)

Average *Net* Daily Trips = **173.88** trips/day

AM Peak Hour *Net* Trip Generation = **16.99** trips

PM Peak Hour *Net* Trip Generation = **14.76** trips*

*The PM Peak Hour Trips are less than 50 so a Traffic Study will not be required.

GENERAL: PAVING, GRADING AND DRAINAGE SPECIFICATIONS

1. GENERAL: ALL PAVING, GRADING, AND DRAINAGE CONSTRUCTION, INCLUDING MATERIALS, CONSTRUCTIONS TECHNIQUES AND TECHNICAL STANDARDS, SHALL BE IN ACCORDANCE WITH THE 2014 F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE 2014 F.D.O.T. ROADWAY DESIGN STANDARDS.

2. ALL AREAS OF NEW CONSTRUCTION SHALL BE CLEANED AND GRUBBED. TOP SOIL REMAINING ONSITE MAY BE STOCKPILED FOR FINE GRADING IN LANDSCAPED AREAS, IF SUITABLE. THE CONTRACTOR SHALL FURNISH ALL FILL REQUIRED AND DISPOSE OF ALL EXCESS OR UNSUITABLE MATERIAL OFFFITE IN ACCORDANCE WITH ALL REGULATORY REQUIREMENTS. TREES TO REMAIN SHALL BE PROTECTED PRIOR TO STARTING CONSTRUCTION AND SHALL BE PROTECTED THROUGHOUT SITE CONSTRUCTION.

3. ALL CONCRETE USED FOR CONSTRUCTION OF DRAINAGE STRUCTURES, SIDEWALKS, SPILLWAYS, CURBING, ETC. SHALL BE CLASS I CONFORMING TO SECTION 345.

4. SIDEWALK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 522.

5. CORRUGATED POLYETHYLENE (CPE) DRAINAGE PIPE FOR ROOF DRAINS SHALL CONFORM TO SECTION 948-2. CPE SHALL BE ADS N-12 (SMOOTH WALL INTERIOR) OR APPROVED EQUAL.

6. SILT FENCE SHALL BE TYPE III PER F.D.O.T. INDEX NO. 102.

7. LANDSCAPING: FINAL GRADING IN OPEN AREAS SHALL BE COORDINATED WITH THE LANDSCAPE CONTRACTOR AND THE OWNER. THE CONTRACTOR SHALL ALSO COORDINATE THE PLACEMENT OF ANY NECESSARY IRRIGATION SLEEVES DURING CONSTRUCTION. SEE THE LANDSCAPE PLAN.

8. SOIL TESTING RESULTS SHALL BE PROVIDED FOR THE PAVEMENT CONSTRUCTION. TESTING RESULTS SHALL BE SUBMITTED FOR THE SUBGRADE AND BASE COURSE, IN ACCORDANCE WITH THE DESIGN SECTION, A MINIMUM OF 4 LOCATIONS SHALL BE TESTED IN THE PARKING LOT. THE TESTING REPORT SHALL DENOTE THE TESTING LOCATIONS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A GEOTECHNICAL CONSULTANT TO PROVIDE A FIELD INVESTIGATION REPORT DELINEATING RECOMMENDATIONS FOR UNDERCUTTING AND/OR UNDERDRAINS. A COPY OF THIS REPORT SHALL BE FORWARDED TO THE OWNER AND THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO UNDERCUTTING OR INSTALLING UNDERDRAIN. UNIT PRICES SHALL BE PROVIDED FOR UNDERDRAIN AND UNDERCUTTING. THE CONTRACTOR SHALL NOT CONSTRUCT BASE COURSE UNTIL THE REPORT IS REVIEWED AND APPROVED BY THE OWNER AND THE ENGINEER .

DEBRIS REMOVAL AND BARRICADE INSPECTION NOTES

1. ALL CONSTRUCTION DEBRIS, LIMEROCK, EXCESS OF BUILDERS SAND, CONCRETE AND MORTAR DEBRIS, EXISTING WEEDS AND GRASSES, AND ALL FOREIGN MATERIALS IN THE PLANTING BED AND SOD AREAS SHALL BE REMOVED AND 36" OF CLEAN FLORIDA FILL PH 5.5-6.5 SHALL BE INSTALLED PRIOR TO ANY INSTALLATION OF PLANTS AND TREES.

2. CALL THE PARKS DIVISION AT (352) 334-2171 FOR BARRICADE INSPECTION BEFORE CLEARING AND GRUBBING WORK BEGINS.

3. THE REQUIRED LANDSCAPING SHALL BE MAINTAINED IN A SOUND CONDITION AT ALL TIMES.

EROSION AND SEDIMENTATION CONTROL PLAN

1. THE STORM DRAIN INLETS SHALL BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH F.D.O.T. INDEX NO. 102.

2. THE STORM SIDEDRAIN SHALL BE FLUSHED OUT TO REMOVE ALL ACCUMULATED DEBRIS AND SEDIMENT UPON COMPLETION OF CONSTRUCTION.

3. ALL DISTURBED AREAS IN THE CONSTRUCTION AREA SHALL BE COMPLETELY GRASSED BY COMPLETION OF CONSTRUCTION. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO FINAL RELEASE. SEASONAL GRASSES (I.E. WINTER RYE, SUMMER MILLET) SHALL BE USED IF NECESSARY.

LEGEND:

(R) RECORD MEASUREMENT
(C) COMPUTED MEASUREMENT
(NDF) NAIL & DISK FOUND
(NDS) NAIL & DISK SET #3524
(OPF) OPEN PIPE FOUND
(RCF) REBAR CAP FOUND
(AF) AXLE FOUND
TBM BENCHMARK SET
BENCHMARK
TELEPHONE PEDESTAL
SANITARY SEWER MANHOLE
STORM MANHOLE
CURB INLET
WATER METER
WATER VALVE
FIRE HYDRANT
ELECTRIC METER
GUY WIRE
WOOD LIGHT POLE
WOOD POWER POLE
UNDERGROUND GAS LINE
UNDERGROUND SANITARY SEWER LINE
OE OE OE OVERHEAD POWER POLE
UNDERGROUND POWER LINE
BIKE SPACES (4)

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DATE: 10/04/2014
REVISIONS: 01/06/2015

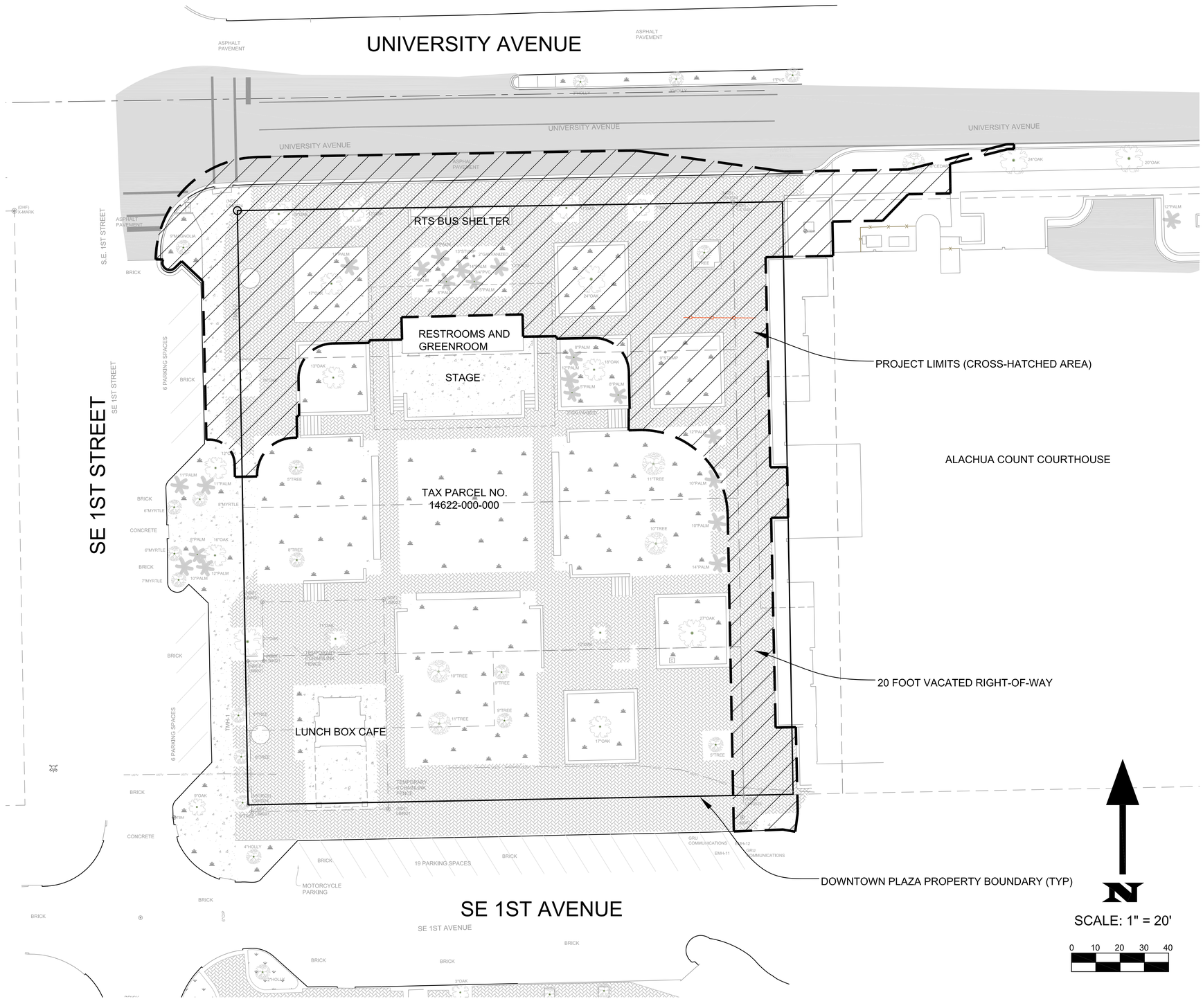
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FILE: 2013.03

GENERAL NOTE AND SITE DATA SHEET

DOWNTOWN PLAZA RENOVATION PROJECT
GAINESVILLE, FLORIDA

JOE MONTALTO, JR., P.E.
PROJECT ENGINEER
FL. REG. NO. 34315
CERT. OF AUTH. # 00009907

SHEET
C - 2



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FILE: 2013.03

PROJECT LIMITS PLAN

DOWNTOWN PLAZA RENOVATION PROJECT
GAINESVILLE, FLORIDA

JOE MONTALTO, JR., P.E.
PROJECT ENGINEER
FL. REG. NO. 34315
CERT. OF AUTH. # 00009907

SHEET
C-2A

DEMOLITION AND TREE PRESERVATION GENERAL NOTES

1. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT GAINESVILLE REGIONAL UTILITIES (GRU), AT&T, FLORIDA GAS TRANSMISISON AND ALL OTHER UTILITY COMPANIES AND/OR LOCATE SERVICES TO VERIFY LOCATION OF ALL ABOVE GROUND AND UNDERGROUND UTILITIES TO BE REMOVED OR RELOCATED. THE CONTRACTOR SHALL TAKE CARE TO AVOID DAMAGE TO ALL EXISTING UTILITIES REQUIRED TO REMAIN.

2. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF ALL DEMOLITION MATERIAL OFF SITE. THE CONTRACTOR SHALL COORDINATE WITH THE CRA PROJECT DIRECTOR THE FINAL DISPOSITION OF ALL ITEMS WITHIN THE PROPOSED DEMOLITION AREA DESIGNATED FOR REMOVAL AND RELOCATION. DISPOSAL METHODS AND LOCATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS AND REQUIREMENTS.

3. THE DEMOLITION PLAN SHOWN HEREON UTILIZES THE PROJECT BASE SURVEYS INCLUDED IN THE SITE DEVELOPMENT PLANS TO REPRESENT THE EXISTING CONDITIONS AS SHOWN IN THE 2014 DEREN SURVEY AND THE 2009 TERRENCE J. BRANNAN SURVEY. JMJ IS NOT RESPONSIBLE FOR THE ACCURACY OF THE BASE SURVEY AS IT DEFINES EXISTING SURFACE CONDITIONS OR UNDERGROUND AND ABOVE GROUND UTILITIES. BASE SURVEY TEXT INFORMATION, LABELING, LINE TYPES, HATCHING, ETC., MAY HAVE BEEN ADJUSTED BY JMJ TO PROVIDE MORE CLARITY IN PRESENTING THE DESIGN DRAWING. THE CONTRACTOR SHALL REFERENCE THE INCLUDED BASE SURVEYS AS PROVIDED BY:

THE TOPOGRAPHIC SURVEY, DATED JANUARY 7, 2014, WAS PREPARED BY DEREN LAND SURVEYING, LLC AT (352) 331-0010.

THE TOPOGRAPHIC SURVEY, DATED NOVEMBER 13, 2009, WAS PREPARED BY TERRENCE J. BRANNAN LAND SURVEYOR, INC. LAND SURVEYING AT (352) 331-0010.

4. THE CONTRACTOR SHALL ERECT ALL CONSTRUCTION FENCING, SILT FENCING AND PROVIDE ANY OTHER REQUIRED WORK SITE SECURITY FENCING EROSION CONTROL DEVICES PRIOR TO ANY DEMOLITION OR CONSTRUCTION IN ACCORDANCE WITH THE CITY OF GAINESVILLE STANDARDS AND REQUIREMENTS.

5. THE CONTRACTOR SHOULD BE AWARE THAT BUILDING STRUCTURES OTHER THAN THE EXISTING STRUCTURES MAY HAVE ONCE OCCUPIED THE SITE. THE EXTENT OF THE STRUCTURES REMAINING BELOW THE SURFACE IS UNKNOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXTENT OF THESE STRUCTURES PRIOR TO COMMENCING THE PROJECT CONSTRUCTION.

6. ALL WORK WITHIN THE CITY OF GAINESVILLE RIGHT-OF-WAY SHALL BE COORDINATED WITH THE CITY OF GAINESVILLE PUBLIC WORKS DEPARTMENT TO PROVIDE FOR PROPER MAINTENANCE OF TRAFFIC AND INSPECTION. A MINIMUM OF 24 HOURS OF ADVANCED NOTICE SHALL BE PROVIDED TO THE CITY INSPECTOR FOR REVIEW OF APPLICABLE WORK ACTIVITIES REQUIRING INSPECTION.

7. ALL WORK WITHIN THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) RIGHT-OF-WAY ALONG SR 26 (UNIVERSITY AVENUE) SHALL COMPLY WITH THE REQUIREMENTS OF THE FDOT PERMIT AND BE COORDINATED WITH FDOT MAINTENANCE AT (352) 381-4300. A MINIMUM OF 72 HOURS OF ADVANCED NOTICE SHALL BE PROVIDED TO THE FDOT INSPECTOR FOR REVIEW OF APPLICABLE WORK ACTIVITIES REQUIRING INSPECTION.

8. CONSTRUCTION ACTIVITY CANNOT OCCUR PRIOR TO 6 AM OR AFTER 9 PM DUE TO COMPLY WITH CITY OF GAINESVILLE NOISE ORDINANCE REQUIREMENTS.

9. CONTRACTOR SHALL NOTIFY THE NATURE OPERATIONS DIVISION @ 352-393-8188 FOR A TREE BARRICADE INSPECTION PRIOR TO BEGINNING CLEARING AND GRUBBING WORK.

10. REMOVAL OF ALL CONSTRUCTION DEBRIS, LIMEROCK, EXCESS BUILDERS SAND, CONCRETE AND MORTAR DEBRIS, EXISTING WEEDS AND GRASSES, AND ALL FOREIGN MATERIALS IN THE PLANTING BEDS AND SOD AREAS SHALL BE REMOVED AND CLEAN FILL OF pH 5.5-6.5 SHALL BE INSTALLED PRIOR TO ANY INSTALLATION OF PLANTS OR TREES.

11. ALL TREES AND SURFACE STRUCTURES TO BE REMOVED ARE NOTED ON THE PLAN. REFER TO THE ARCHITECTURAL PLANS FOR DEMOLITION WORK TO BE PERFORMED ON ANY BUILDING STRUCTURE OF PART THEREOF.

12. CONTRACTOR SHALL VERIFY THE QUANTITIES OF BRICK, CONCRETE AND ASPHALT PAVEMENT REMOVAL PRIOR TO BID PREPARATION.

13. DISPOSE OF ALL DEMOLITION MATERIAL IN A LAWFUL MANNER AND COMPLY WITH CURRENT LOCAL, STATE, AND FEDERAL REGULATIONS WITH REGARD TO THE DISPOSAL OF POTENTIAL HAZARDOUS MATERIALS.

14. ALL SIGNS WITHIN THE DEMOLITION AREA TO BE REMOVED AND STORED OR RELOCATED AS DIRECTED BY THE CRA PROJECT DIRECTOR.

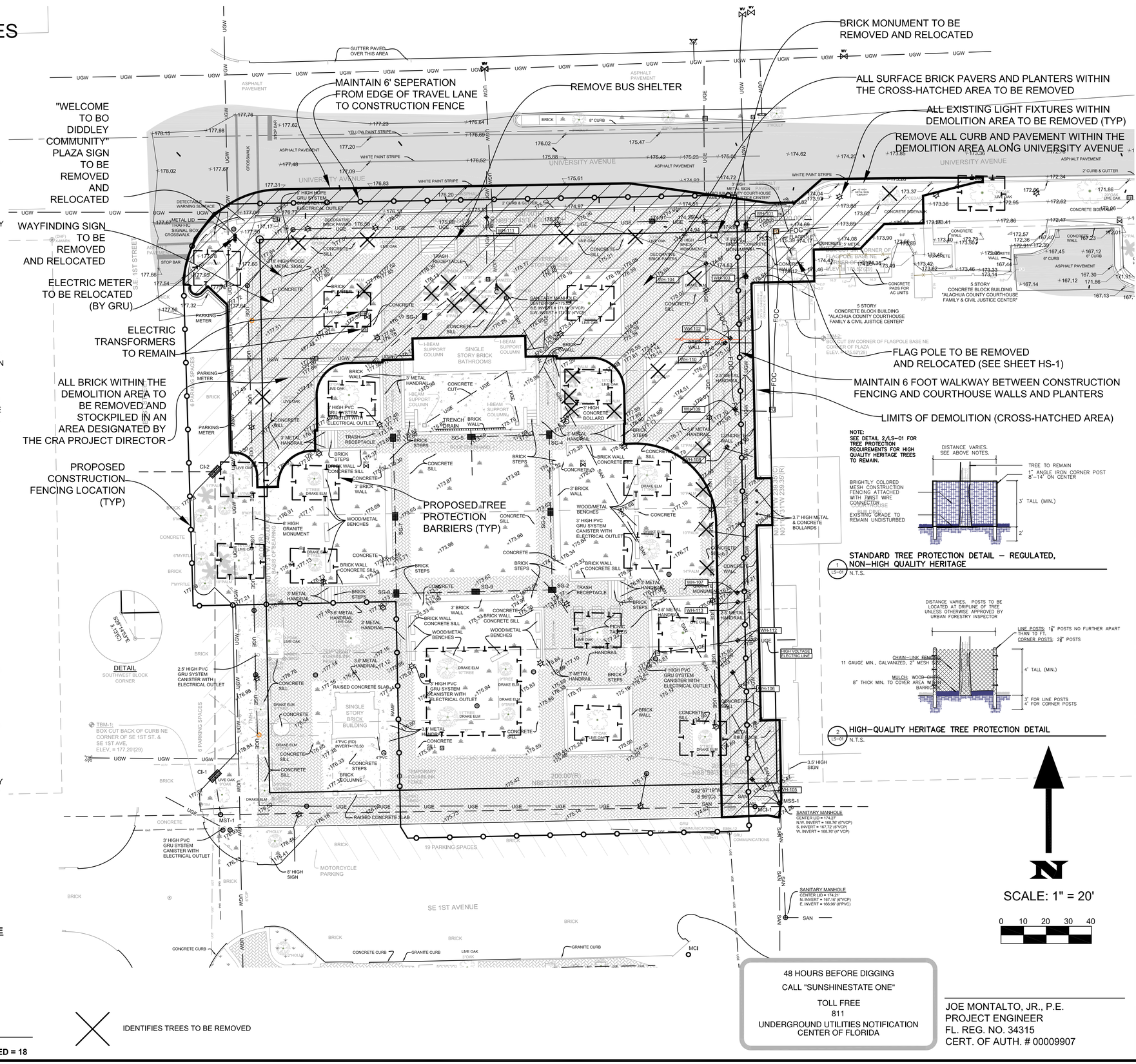
15. ALL NEWSAPER AND MAGAZINE RACKS TO BE REMOVED AND RELOCATED AS DIRECTED BY THE CRA PROJECT DIRECTOR.

16. REMOVAL AND STORAGE OR RELOCATION OF EXISTING TRAFFIC/INFORMATIONAL SIGNS SHALL BE COORDINATED WITH CHRIS DOLAN, TRAFFIC OPERATIONS SUPERVISOR AT (352) 393-8180.

REGULATED TREES 8" DIAMETER AND LARGER TO BE REMOVED

TREE DESIGNATION	SIZE	TREE DESIGNATION	SIZE
1-LIVE OAK	10"	10-PALM	14"
2-LIVE OAK	11"	11-PALM	12"
3-LIVE OAK	11"	12-PALM	8"
4-LIVE OAK	16"	13-PALM	12"
5-CEDAR	18"	14-PALM	8"
6-PALM	11"	15-PALM	12"
7-PALM	12"	16-PALM	10"
8-PALM	13"	17-PALM	10"
9-PALM	8"	18-PALM	14"

TOTAL REGULATED TREES REMOVED = 18



NOTE:
SEE DETAIL 2/LS-01 FOR TREE PROTECTION REQUIREMENTS FOR HIGH QUALITY HERITAGE TREES TO REMAIN.

1 LS-01 N.T.S. **STANDARD TREE PROTECTION DETAIL – REGULATED, NON–HIGH QUALITY HERITAGE**

2 LS-01 N.T.S. **HIGH–QUALITY HERITAGE TREE PROTECTION DETAIL**

SCALE: 1" = 20'

0 10 20 30 40

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UNDERGROUND UTILITIES NOTIFICATION CENTER OF FLORIDA

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REVISIONS: 01/06/2015
REVISIONS: 01/24/2015

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CHECKED BY: JMJ
FILE: 2013.03

SITE DEMOLITION AND TREE REMOVAL PLAN

DOWNTOWN PLAZA RENOVATION PROJECT GAINESVILLE, FLORIDA

SHEET C-3

DIMENSION GENERAL NOTES

1.THE PROJECT SURVEYS WERE PREPARED BY THE FOLLOWING ENTITIES:

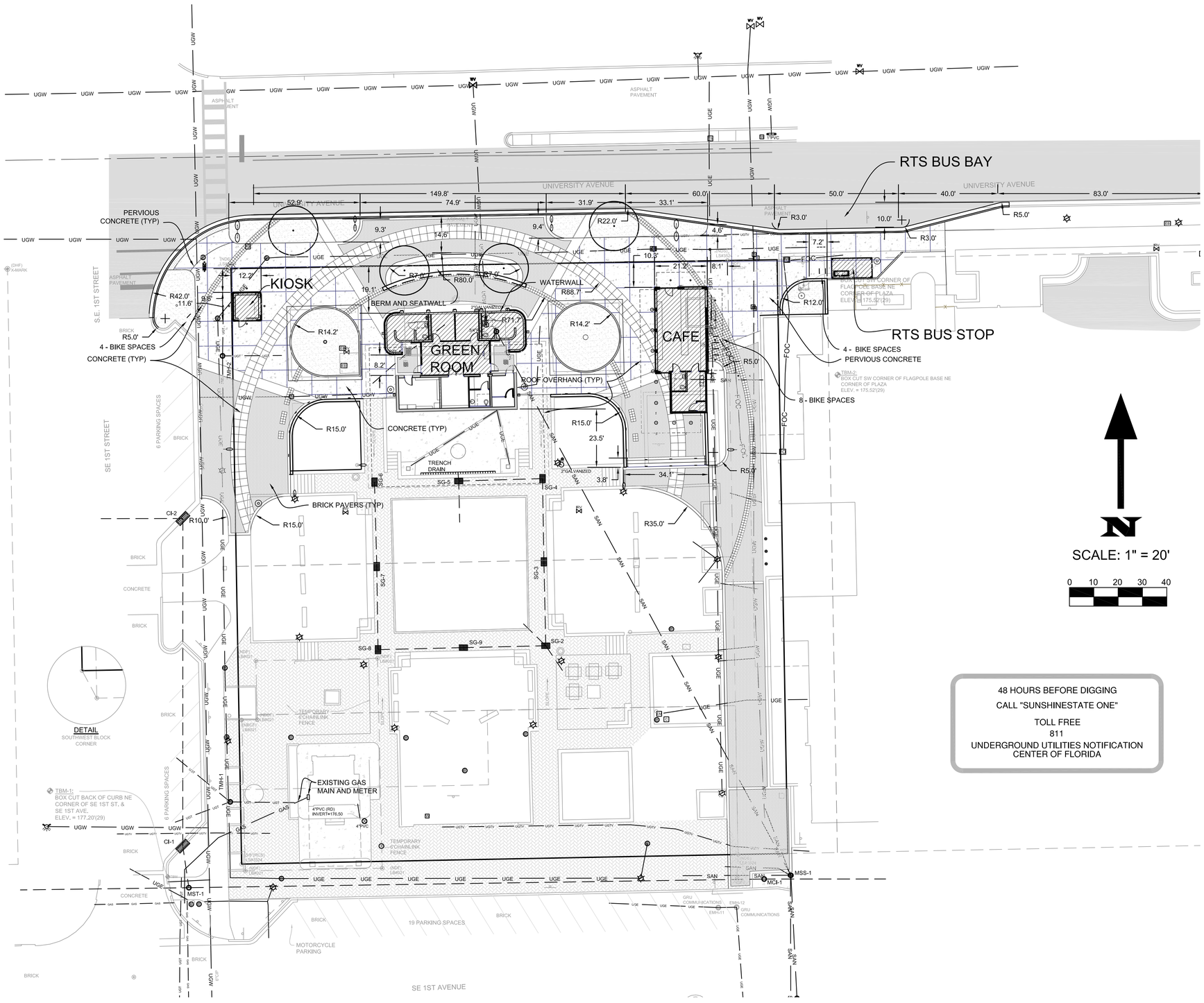
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THE TOPOGRAPHIC SURVEY, DATED NOVEMBER 13, 2009, WAS PREPARED BY TERRENCE J. BRANNAN LAND SURVEYOR, INC. LAND SURVEYING AT (352) 331-0010.

2. THE BASE SURVEY DATA DEPICTED ON THIS DRAWING WAS TAKEN DIRECTLY FROM THE PROJECT SURVEYS. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE BASE SURVEYS TO VERIFY EXISTING CONDITIONS AS DEPICTED ON THE SURVEY. JMJ IS NOT RESPONSIBLE FOR INACCURATE INFORMATION DEPICTED ON THE BASE SURVEY.

3. ALL BUILDING DIMENSIONS SHALL BE DETAILED PER ARCHITECTURAL PLANS. APPROXIMATE BUILDING LOCATION DIMENSIONING IS PROVIDED HEREON. THE PROPOSED BUILDING FEATURES ARE DIMENSIONED ON THE SITE PERPENDICULAR THE PROPERTY BOUNDARY LINES. ALL BUILDING DIMENSIONS ARE MEASURED TO THE EXTERIOR WALLS. SITE DIMENSIONS ARE PERPENDICULAR AND PARALLEL TO THE PROPERTY BOUNDARY LINES (AS REFERENCED IN THE SURVEY). ALL SURFACE PAVING MATERIALS AND LOCATIONS SHALL BE DETAILED FROM THE HARDSCAPE PLANS.

4. SEE ARCHITECTURAL SITE PLAN FOR ADDITIONAL DETAILING OF SITE SPECIFIC FEATURES, SUCH AS STAIRWAYS, RAMPS, PORCHES, HANDRAILS, GUARDRAILS, OVERHANGS, CANOPIES, ETC.



SCALE: 1" = 20'

0 10 20 30 40

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SITE GEOMETRIC PLAN

DOWNTOWN PLAZA RENOVATION PROJECT
GAINESVILLE, FLORIDA

SHEET
C-4

GENERAL NOTES

1. EXISTING DRAINAGE PATTERNS WITHIN THE PROJECT AREA TO BE MAINTAINED.
2. CONTACT THE FDOT GAINESVILLE MAINTENANCE OFFICE 72 HOURS PRIOR TO COMMENCING ALL WORK WITHIN THE SR 26/UNIVERSITY AVENUE FDOT RIGHT-OF-WAY.
3. CONSULT SHEET C-9 CONSTRUCTION STAGING AREA/TRAFFIC CONTROL FOR ANY LANE CLOSURE RESTRICTIONS FOR SR 26/UNIVERSITY AVENUE.
4. SEE THE SHEET H-1 HARDSCAPE PLAN AND C-8 CONSTRUCTION DETAILS PLAN FOR MATERIALS AND LAYOUT OF THE PROPOSED PLAZA SURFACE PAVEMENT SYSTEM.
5. SEE ARCHITECTURAL AND HARDSCAPE PLANS FOR PLAZA RISER STEP AREA MATERIALS AND DETAILS.

PERVIOUS CONRETE PARKING LOT SPECIFICATIONS

1. CONTRACTOR QUALIFICATIONS: THE FINISHING CONTRACTOR MUST COMPLETE THE CRMCA PERVIOUS CONCRETE INSTALLERS COURSE PRIOR TO THE COMMENCEMENT OF THE PERVIOUIS PARKING LOT CONSTRUCTION.

2. THE FINISHING CONTACTOR SHALL FURNISH THE OWNER/ENGINEER A STATEMENT ATTESTING TO QUALIFICATIONS AND EXPERIENCE PROVIDE THE FOLLOWING:
   A. IDENTIFICATION OF AA MINIMUM OF TWO (2) COMPLETED PERVIOUS CONRETE PROJECTS WITH ADDESSSES.
   B. UNIT WEIGHT ACCEPTANCE DATA
   C. IN-SITU PAVEMENT TEST RESULTS INCLUDING VOID CONTENT AND UNIT WEIGHT
   D. A SAMPLE OF PRODUCT (I.E. CORE OR TEST PANEL)
   E. A DESCRIPTION OF PROPOSED EQUIPMENT TO BE USED FOR PLACEMENT AND COMPACTION

3. IF THE CONTRACTOR AND/OR CONCRETE PRODUCER DO NOT HAVE THE QUALITICATIONS AND EXPERIENCED AT OUTLINED IN ITEMS 1 AND 2, THE CONTRACTOR SHALL RETAIN AN EXPERIENCED CONSULTANT WHO MEETS THE REQUIREMENTS OF ITEMS 1 AND 2 T MONITOR PRODUCTION, HANDLING, AND PLACEMENT OPERATONS AT THE CONTRACTOR'S EXPENSE.

4. THE CONTRETE MIX DESIGN, MATERIALS. MATERIAL PROPORTONS AND TEST PANES SHALL CONFORM THE PERVIOUS CONCRETE SPECIFICATIONS DESCRIBED IN CHARGER ENTERPRISES© PERVIOUS CONCRETE SPECIFICATION DOCUMENT DATED SEPTEMBER 16, 2007 (CHARGER ENTERPRISES, INC., P.O. BOX 4646 SEMINOLE, FLORIDA 33776, PHONE (727) 593-8600) AND THE LATEST ASTM SPECIFICATIONS FOR PERVIOUS CONCRETE.

5. SUBGRADE PREPARATION: TH SUBGRADE SHALL BE SCARFIED TO A DEPTH OF 12 INCHES AND COMPACTED BY A MECHANIAL VIBRATORY COMPACTOR TO 95% OF MAXIMUM DRY DENSITY AS ESTABLISHED IN ASTM D1557 AND ASSHTO T180. **SUBGRADE STABILIZATION SHALL NOT BE PERMITTED.** IF FILL MATERIAL (EMBANKMENT) IS REQUIRED TO BRING THE SUBGRADE TO FINAL ELEVATION, IT SHALL BE CLEAN AND FREE OF DELETERIOUS MATERIALS. IT SHALL BE PLACED IN 8-INCH MAXIMUM LAYERS, AND COMPACTED BY A MECHANICAL VIBRATORY COMPACTOR TO A MINIMUM DENSITY OF 92% OF DRY DENSITY AS ESTABLISHED BY ASTM D1557 AND ASSHTO 180.

6. SUBBASE MATERIAL: A 6-INCH THICK GRANULAR OR GRAVELY SOIL THAT IS PREDOMINANTLY SANDY WITH NO MORE THAN A MODERATE AMOUNT OF SITL OR CLAY SHALL BE PLACED ON THE SUBGRADE.

7. REFER TO THE PERVIOUS CONCRETE SPECIFICATIONS FOR MIXING, HAULING AND PLACING OF THE PERVIOUS CONCRETE.

8. REFER TO THE PERVIOUS CONCRETE SPECIFICATIONS FOR TESTING, INSPECTION, AND ACCEPTANCE PROCEDURES.

EROSION AND SEDIMENTATION CONTROL PLAN

1. INSTALL SILT FENCE AROUND THE PROPOSED CONSTRUCTION (DISTURBED) AREA.

2. EROSION AND SEDIMENTATION CONTROL SHALL BE PROVIDED AS DESCRIBED IN SECTION 4.0 OF THE CITY OF GAINESVILLE ENGINEERING DESIGN AND CONSTRUCTION MANUAL, CURRENT EDITION.

3. THE CONTRACTOR SHALL PROVIDE EROSION AND SEDIMENTATION CONTROL BEST MANAGEMENT PRACTICES PRIOR TO CLEARING OR ALTERATION OF THE PROJECT AREA. AREAS OF APPLICATION SHALL INCLUDE BUT NOT BE LIMITED TO THE PROJECT PERIMETER, INGRESS, AND EGRESS POINTS AND DOWNSTREAM INLETS. THE PROTECTIVE MEASURES SHALL REMAIN INSTALLED AND BE REGULARLY MAINTAINED FOR THE DURATION OF THE PROJECT UNTIL THE SITE IS PROPERLY STABILIZED WITH PERMANENT PROTECTIVE MEASURES.

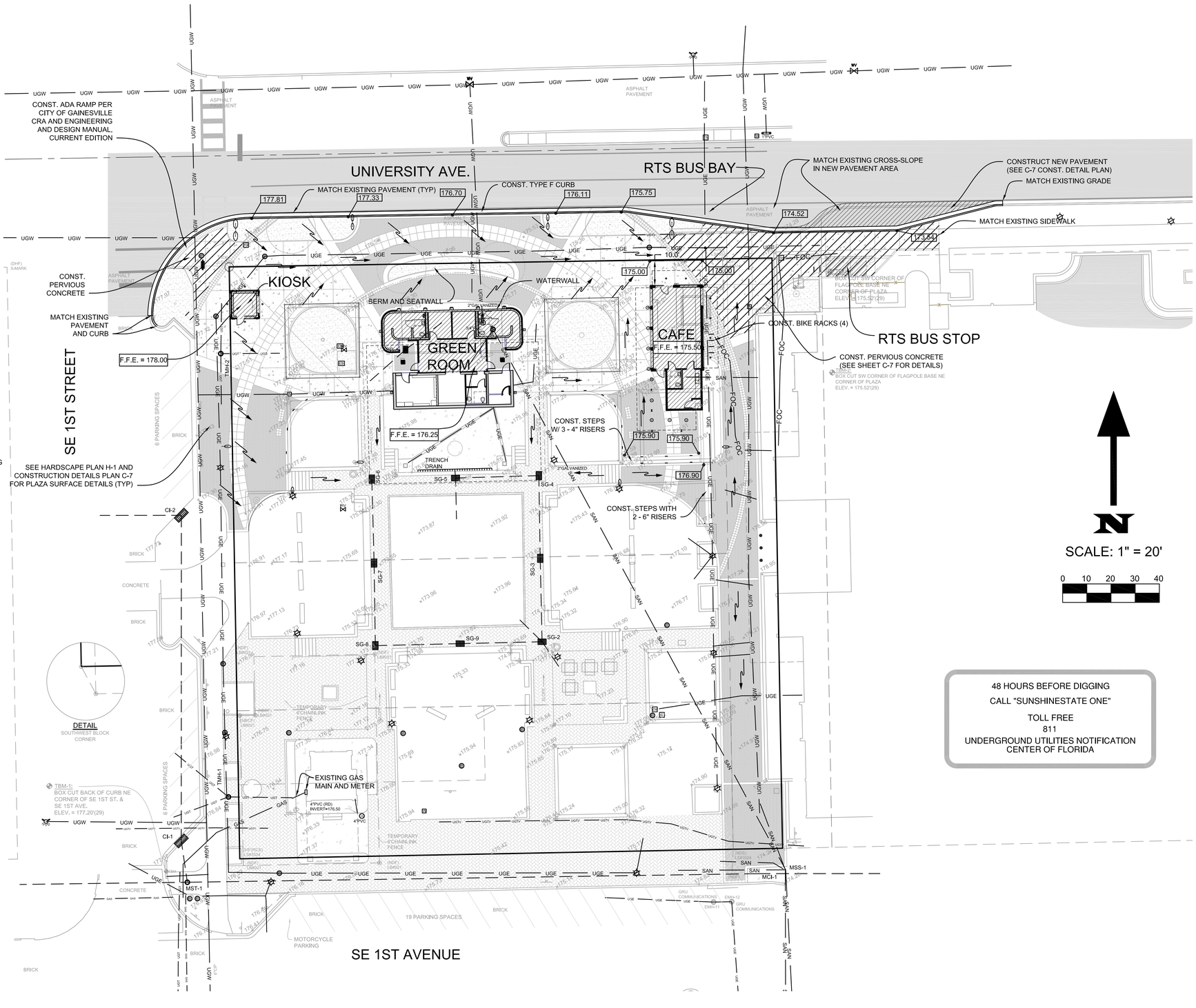
PLAZA SURFACE PAVEMENT NOTES:

1. ALL PAVERS TO BE CLAY BRICK AND SHALL BE SIDEWALK CLAY BRICK 4" X 8" X 2-1/4".
2. ALL BRICK PAVERS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY AND ARE NOT TO SCALE.
3. REFER TO THE STREETSCAPE DESIGN AND TECHNICAL STANDARDS FOR THE CITY OF GAINESVILLE CRA DISTRICTS (2008) FOR CONSTRUCTION DETAILS.

OPERATION AND MAINTENANCE PLAN FOR PERVIOUS CONCRETE:

THE PERVIOUS CONCRETE SHALL BE MAINTAINED ON THE FOLLOWING SCHEDULE:

1. VISUAL INSPECTION FOR SILTATION AND CRACKING SHALL BE PERFORMED ONCE A MONTH. SILT SHALL BE REMOVED AND CRACKING REPAIRED AS NECESSARY.
2. VACUUM SWEEPING OR AN EQUIVALENT METHOD SHALL BE PERFORMED AT LEAST TWICE PER YEAR, AT 6 MONTH INTERVALS OR SOONER, AND/OR WHEN EXCESSIVE PONDING, STILTATION OR DEBRIS BUILDUP IS OBSERVED..



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PAVING, GRADING, DRAINAGE PLAN

DOWNTOWN PLAZA RENOVATION PROJECT GAINESVILLE, FLORIDA

SHEET
C-5

GRU UTILITY NOTES

1.ALL UTILITY PERMITTING WILL BE THROUGH GRU.

2.THE UTILITY PLAN SHOWS ALL PUBLIC UTILITY EASEMENTS (PUE'S) IN METES AND BOUNDS FORMAT. UPON GRU'S APPROVAL OF PLANS FOR DEVELOPMENTS NOT BEING PLATTED,, OWNER MAY CHOOSE TO GRANT THE METES AND BOUNDS EASEMENTS AS SHOWN, OR A BLANKET EASEMENT OVER THE ENTIRE PROPERTY. PROVIDED FACILITIES ARE INSTALLED WITHIN PRESCRIBED DISTANCES AS SHOWN ON THE UTILITY PLANS IN ACCORDANCE WITH THE UTILITY SEPARATION REQUIREMENTS TABLE APPENDIX C OF THE GRU W/WW/RCW DESIGN STANDARDS.

3. ALL CONSTRUCTION MATERIALS AND METHODS FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER SYSTEMS SHALL CONFORM TO GRU'S MOST RECENT POTABLE WATER, WASTEWATER, & RECLAIMED WATER SYSTEM DESIGN STANDARDS, AND APPROVED MATERIALS MANUAL.

4. POTABLE WATER AND WASTEWATER MAINS SHALL MAINTAIN A MINIMUM OF 10 FEET HORIZONTAL AND 1.5 FOOT VERTICAL SEPARATION.

5. A MINIMUM HORIZONTAL SEPARATION OF 10 FEET FOR POTABLE WATER MAINS, WASTEWATER FORCE MAINS, AND RECLAIMED WATER MAINS, AND 15 FEET FOR GRAVITY WASTEWATER MAINS SHALL BE PROVIDED AND MAINTAINED FROM, BUILDINGS, TRANSFORMERS, AND ALL PERMANENT STRUCTURES. SERVICE LATERALS REQUIRE 5 FEET LESS CLEARANCE FOR EACH OF THE UTILITIES; NOTE THAT WATER SERVICE LATERALS SHALL BE INSTALLED WITHIN 3" SLEEVES. NOTE: WITHIN THE GAINESVILLE CITY LIMITS, SEPARATION TO TREES IS REDUCED TO 7.5' FOR PRESSURIZED MAINS AND 10' (MINIMUM) FOR GRAVITY MAINS. (SEE APPENDIX C OF GRU'S DESIGN STANDARDS AND CONSTRUCTION DETAILS FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER - HORIZONTAL SEPARATION DISTANCES FOR PARALLEL AND PERPENDICULAR CLEARANCE FROM OTHER OBJECTS TABLE.)

6. POTABLE WATER SERVICES, REQUIRING A SEPARATE WATER METER, SHALL BE PROVIDED TO EACH LOT, BUILDING OR PARCEL. EFFECTIVE OCTOBER 1, 2007, FOR COMMERCIAL, MULTI-FAMILY, AND INSTITUTIONAL DEVELOPMENTS, THE DEVELOPER SHALL BE RESPONSIBLE FOR INSTALLING POTABLE WATER SERVICES AND YOKE ASSEMBLY PACKAGE UP TO AND INCLUDING THE METER YOKE, BOX (INSTALLED AT FINAL GRADE) AND ASSOCIATED APPURTENANCES, FOR METERS 1" AND SMALLER (SEE GRU W/WW/RCW CONSTRUCTION DETAIL W-8.0), WITH A ONE-YEAR WARRANTY.

7. 2" VALVES LOCATED IN PAVED AREAS, INCLUDING SIDEWALKS, SHALL BE GRU APPROVED CAST IRON, RESILIENT SEAT GATE VALVES WITH STANDARD 2" OPERATING NUT, THREADED WITH BRASS NIPPLE BETWEEN THE VALVES AND TAPPING SADDLE OR TAPPED TEE.

8.WATER MAINS 4" IN DIAMETER AND GREATER, PLACED UNDER ROADWAYS, SHALL BE CEMENT LINED DUCTILE IRON PIPE (CLDIP) EXTENDING 5 FEET PAST THE BACK OF CURB (3 FEET WITHIN THE CITY OF GAINESVILLE LIMITS). TRACER WIRE INSTALLED ON PVC WATER MAINS SHALL CONTINUE ACROSS THE CLDIP SECTIONS.

9. 1" OR 2" WATER SERVICE CROSSINGS LOCATED UNDER ROADWAYS SHALL BE ENCASED IN 3" SCH 40 PVC EXTENDING 5' PAST THE BACK OF THE CURB (3' INSIDE CITY OF GAINESVILLE LIMITS).

10. ANCHORING TEES, COUPLINGS, AND BENDS SHALL BE USED ON ALL FIRE HYDRANTS ASSEMBLIES.

11. ALL PRESSURIZED MAIN FITTINGS SHALL BE MECHANICAL JOINT WITH RESTRAINED JOINT GLANDS; A SUFFICIENT LENGTH OF THE PIPE CONNECTED TO THE FITTINGS SHALL BE MECHANICALLY RESTRAINED TO PROVIDE REACTION AS SPECIFIED ON THE RESTRAINED JOINT STANDARD IN THE CONSTRUCTION DETAILS OF THE GRU STANDARDS (W - 2.8 & 2.9, RCW - 2.8 & 2.9, WW - 2.4 & 2.5). CALCULATIONS FOR THE REQUIRED RESTRAINT LENGTH MUST BE PROVIDED IN THE SPECIFIED RESTRAINT LENGTH, DUE TO SOIL TYPE OR DEPTH OF COVER, DIFFERS FROM THOSE PROVIDED ON THESE DETAILS.

12. ALL SANITARY WASTEWATER SERVICE LATERALS SHALL BE MIN. 4" DIAMETER PVC (SDR 35) AT 1.00% MIN. SLOPE UNLESS OTHERWISE LABELED.

13. WASTEWATER CLEANOUT COVERS LOCATED WITHIN PAVEMENT AND SIDEWALKS ADJACENT TO PAVED AREAS SHALL BE RATED FOR TRAFFIC LOAD BEARING. WASTEWATER CLEANOUT COVERS IN OTHER SIDEWALKS/WALKWAYS SHALL BE BRASS WITH A SQUARE RECESS.

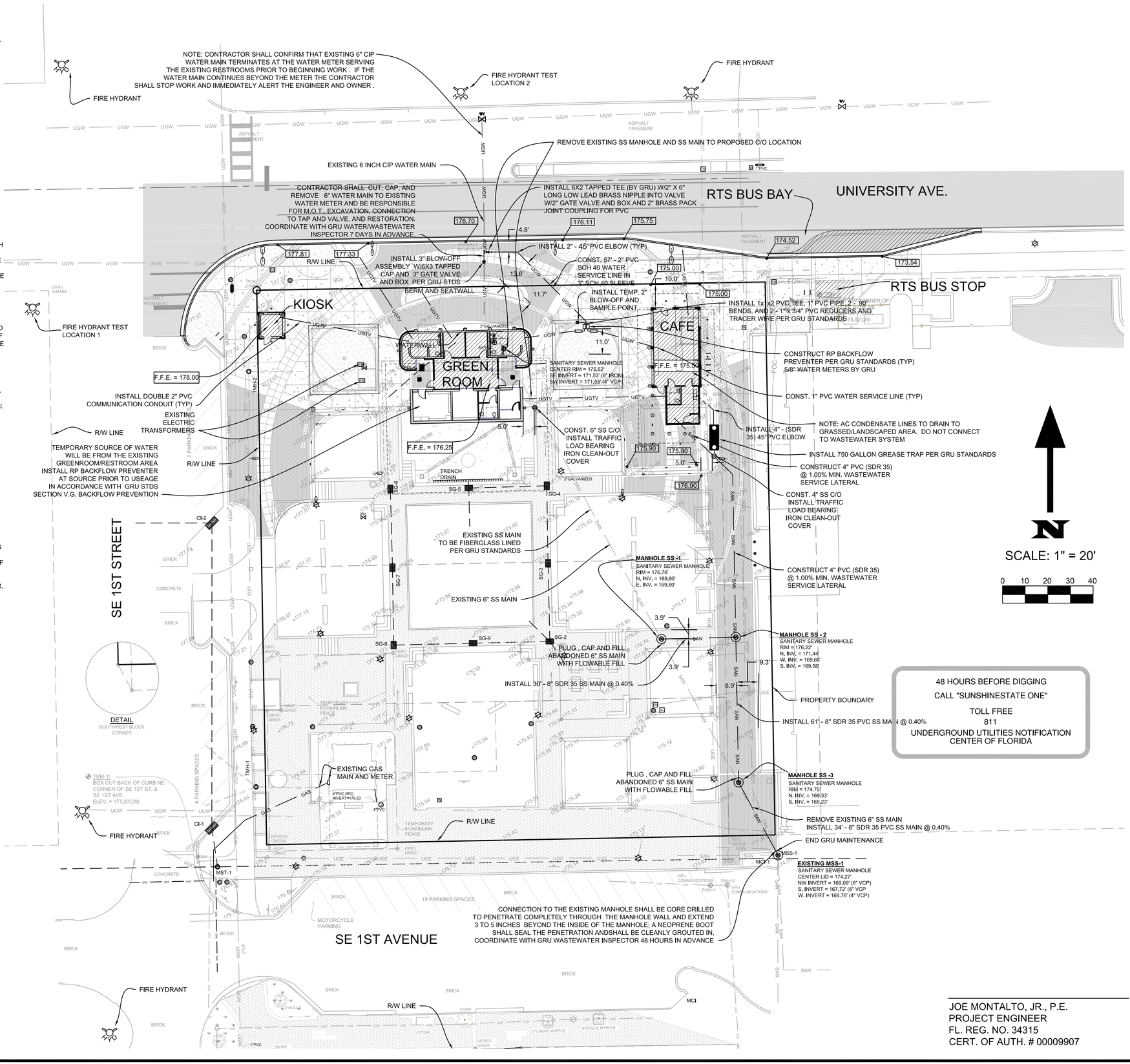
14. MANHOLES WHICH ARE NOT INSTALLED UNDER PAVEMENT SHALL HAVE A RIM ELEVATION AT LEAST 6" ABOVE FINISHED GRADE, AND 10:1 SLOPE TO FINISH GRADE.

15. UNLESS OTHERWISE NOTED ON THE PLANS, THE FINISHED FLOOR ELEVATIONS OF THE BUILDINGS SHALL BE A MINIMUM OF 6" ABOVE THE LOWEST UPSTREAM MANHOLE TOP. IF THIS INFEASIBLE, A WASTEWATER SERVICE LATERAL BACKWATER VALVE (BWV) IS REQUIRED ON THE CUSTOMER SIDE OF THE CLEANOUT.

16. WHEN A POTABLE OR RECLAIMED MAIN IS ROUTED WITHIN 10 FT. OF AN ELECTRIC TRANSFORMER, A 20 FT. LENGTH OF DIP SHALL BE CENTERED ON THE TRANSFORMER WITH MECHANICAL RESTRAINT AT EACH END. NO FITTINGS OR VALVES SHALL OCCUR WITHIN 10 FT. OF THE NEAREST EDGE OF THE TRANSFORMER. A MINIMUM CLEARANCE OF 3 FT. SHALL BE MAINTAINED BETWEEN THE MAIN AND THE TRANSFORMER.

GRU GAS NOTES

1. CONTRACTOR TO PROTECT GAS MAIN DURING CONSTRUCTION ACTIVITIES.
2. MAINTAIN 36" MINIMUM COVER OVER GAS MAIN.
3. CONTACT MIKE BROWN, GRU GAS, 72 HOURS PRIOR TO DEMOLITION/START OF CONTRUCTION AT (352) 393-1466.



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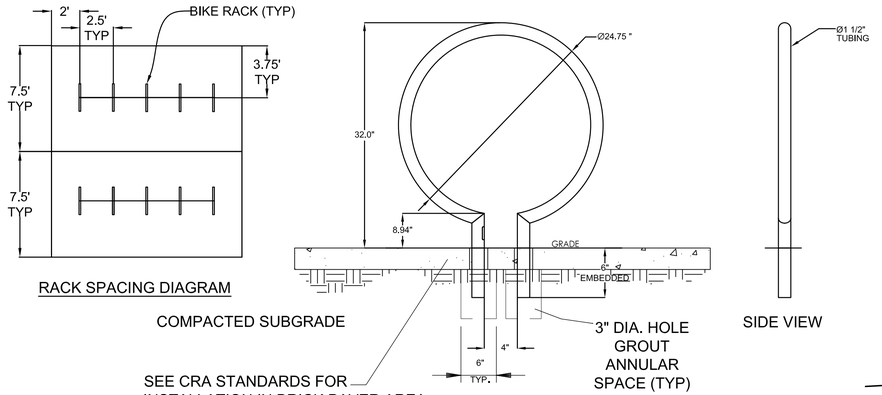
DRAWN BY: JMJ
CHECKED BY: JMJ
FILE: 2013.03

UTILITY PLAN

DOWNTOWN PLAZA RENOVATION PROJECT
GAINESVILLE, FLORIDA

JOE MONTALTO, JR., P.E.
PROJECT ENGINEER
FL. REG. NO. 34315
CERT. OF AUTH. # 00009907

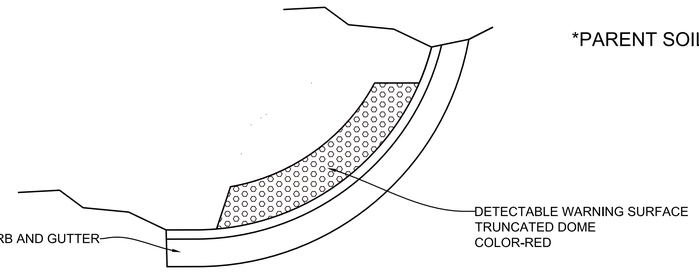
SHEET
C-6

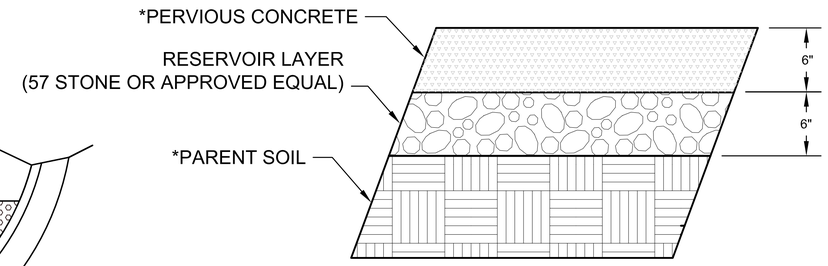


RACK SPACING DIAGRAM

RING BICYCLE RACK DETAIL

N.T.S.





PERVIOUS CONCRETE PAVEMENT DETAIL

N.T.S.

*SEE PERVIOUS CONCRETE SPECIFICATIONS
UPDATED: MARCH 5, 2009
CHARGER ENTERPRISES, INC.

landscapeforms

431 LAWNDALE AVE.
KALAMAZOO, MI 49048
PHONE: 800-521-2546
FAX: 269-381-3455

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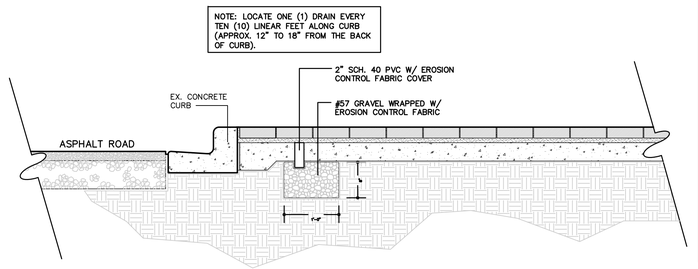
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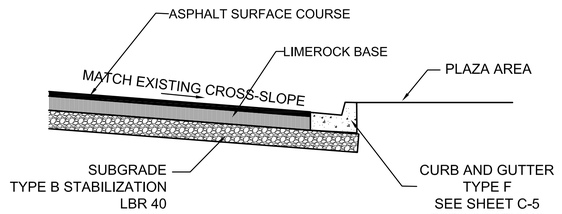
DESIGN GROUP: RING
DESCRIPTION: BIKE RACK, EMBEDDED
PATENT: PATENT PENDING
FILE: RG669-01
DATE: 05/27/2008
DRAWN BY: TAH
DIMENSIONS ARE IN INCHES[mm]

SIDEWALK ADA ACCESSIBLE RAMP

NTS

NOTE: ADA RAMP TO BE CONSTRUCTED IN ACCORDANCE WITH 2015 FDOT DESIGN STANDARDS INDEX NO. 304



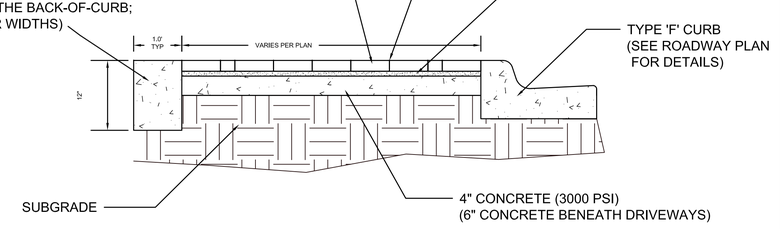


TYPICAL PAVEMENT SECTION FOR SR 26/UNIVERSITY AVENE BUS BAY

NTS

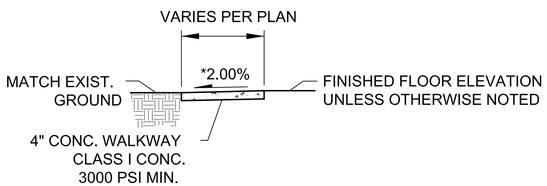
PAVEMENT SECTION DESCRIPTION (FDOT DESIGN STANDARDS INDEX 514)

FRICTION COURSE - 1 INCH FC-4
STRUCTURAL COURSE - 1 INCH SUPER PAVE (SP) TRAFFIC LEVEL C
BASE - OPTIONAL BASE GROUP 6 (I.E. 8" LIMEROCK)
SUBGRADE 12 INCH STABLIZED



CLAY BRICK CONSTRUCTION DETAIL

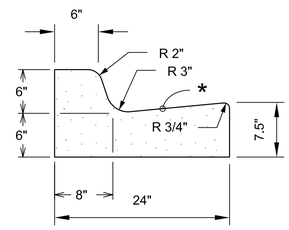
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CONCRETE SIDEWALK AND COURT AREAS (TYP)

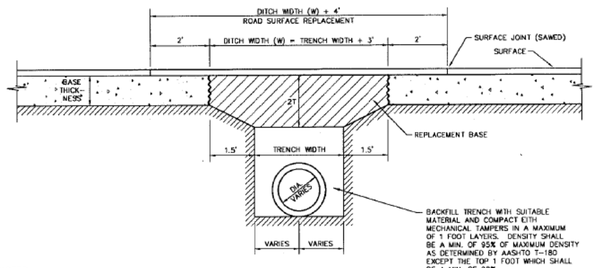
N.T.S.

*SLOPE VARIES, SEE PLAN FOR GRADING DETAILS



TYPE 'F' CURB DETAIL

N.T.S.



GENERAL NOTES:

1. DITCH WIDTH SHALL EXTEND A MINIMUM OF ONE AND ONE-HALF FEET (1 1/2') FROM THE EDGES OF THE TRENCH.
2. REPLACED BASE MATERIAL OVER TRENCH SHALL BE TWICE THE THICKNESS OF THE ORIGINAL BASE (MINIMUM THICKNESS OF 8 INCHES).
3. BASE MATERIAL SHALL BE PLACED IN TWO OR THREE LAYERS AND EACH LAYER THOROUGHLY ROLLED OR COMPACTED TO A MINIMUM OF 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
4. ASPHALTIC CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
5. SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPED AND FEATHERED.
6. ALL JOINTS SHALL BE SQUARED TO THE EXISTING EDGE OF CURB AND/OR PAVEMENT.
7. ROAD SURFACE REPLACEMENT SHALL EXTEND A MINIMUM OF TWO FEET (2') FROM THE EDGES OF THE OPEN CUT ONTO THE ROAD BASE AND SHALL EXTEND FROM THE EDGE OF THE CURB AND/OR PAVEMENT TO THE CENTERLINE OF THE ROADWAY. SHOULD AND OPEN CUT BE CROSSED BY THE CENTERLINE OF THE ROADWAY, THE ROAD SURFACE REPLACEMENT SHALL EXTEND FROM THE EDGE OF THE CURB AND/OR PAVEMENT TO THE OPPOSITE EDGE OF CURB AND/OR PAVEMENT.
8. ROAD SURFACE REPLACEMENT SHALL BE A MINIMUM OF ONE AND ONE-HALF INCHES (1 1/2") OF ASPHALTIC CONCRETE.

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DATE: 11/04/2014
REVISION:

DRAWN BY: JMJ
CHECKED BY: JMJ
FILE: 2013.03

CONSTRUCTION DETAILS

DOWNTOWN PLAZA RENOVATION PROJECT
GAINESVILLE, FLORIDA

SHEET
C-7

CONSTRUCTION STAGING NOTES

1.THE DOWNTOWN PLAZA WILL BE CLOSED FOR THE CONSTRUCTION PERIOD ESTIMATED TO BE APPROXIMATELY ONE (1) YEAR. THE CONSTRUCTION PERIOD MAY BE ADJUSTED DO TO UNFORESEEN CONDITIONS THAT MAY ARISE.

2.TEMPORARY STAGING AREAS ALONG SE 1ST AVENUE AND SE 1ST STREET MAYBE BE REQUIRED FOR INTERMITTENT PERIODS DURING THE CONSTRUCTION. ADDITIONALLY CERTAIN CONSTRUCTION ACTIVITIES MAY REQUIRE TEMPORARY LANE OR ROAD CLOSURES.

3. ALL CONSTRUCTION VEHICLES SHALL ENTER THE SITE ONLY FROM THE DESIGNATED CONSTRUCTION ENTRANCE ON SE 1ST AVENUE OR OTHER ACCESS POINTS AS APPROVED BY THE CITY PUBLIC WORKS DEPARTMENT. CONSTRUCTION VEHICLES SHALL NOT ENTER THE CONSTRUCTION SITE THROUGH UNIVERSITY AVENUE (SR 26).

TRAFFIC CONTROL PLAN

1.MAINTENANCE OF TRAFFIC SHALL BE CONDUCTED WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD 2009) AND THE 2015 EDITION OF THE FDOT DESIGN STANDARDS, 600 SERIES. THE LOCATIONS OF TRAFFIC CONTROL SIGNAGE SHOWN ON THE PLANS IS "SCHEMATIC" IN NATURE AND SHOWN FOR INFORMATIONAL PURPOSES ONLY. THE PLACEMENT OF THE TRAFFIC CONTROL SIGNAGE SHALL BE PLACED IN ACCORDANCE WITH THE AFOREMENTIONED STANDARDS.

2.WHERE VEHICLES, EQUIPMENT, WORKERS AND THEIR ACTIVITIES ARE MORE THAN 15' FROM THE EDGE OF THE TRAVEL WAY, TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH FDOT STD INDEX 601. WHERE SUCH ACTIVITIES AND OR EQUIPMENT ARE MORE THAN 2' BUT LESS THAN 15' FROM THE EDGE OF THE TRAVEL WAY, TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH FDOT STD INDEX 602. WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH WITHIN 2' OF THE EDGE OF THE TRAVEL WAY, TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH FDOT STD INDEX 603. WORK IN OR NEAR AN INTERSECTION SHALL BE IN ACCORDANCE WITH FDOT INDEXS 604 AND 605.

3. LANE CLOSURES AND WORK ZONE AREAS SHALL BE IN ACCORDANCE WITH FDOT STD INDEX NO. 603 AND OTHER RELATED INDEXES.

4. THE CONTRACTOR SHALL MAINTAIN VEHICULAR AND PEDESTRIAN ACCESS TO PRIVATE PROPERTY WITHIN THE VICINITY OF THE CONSTRUCTION SITE.

5. THE CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE ACCESS ON ALL PUBLIC RIGHTS-OF-WAY AT ALL TIMES.

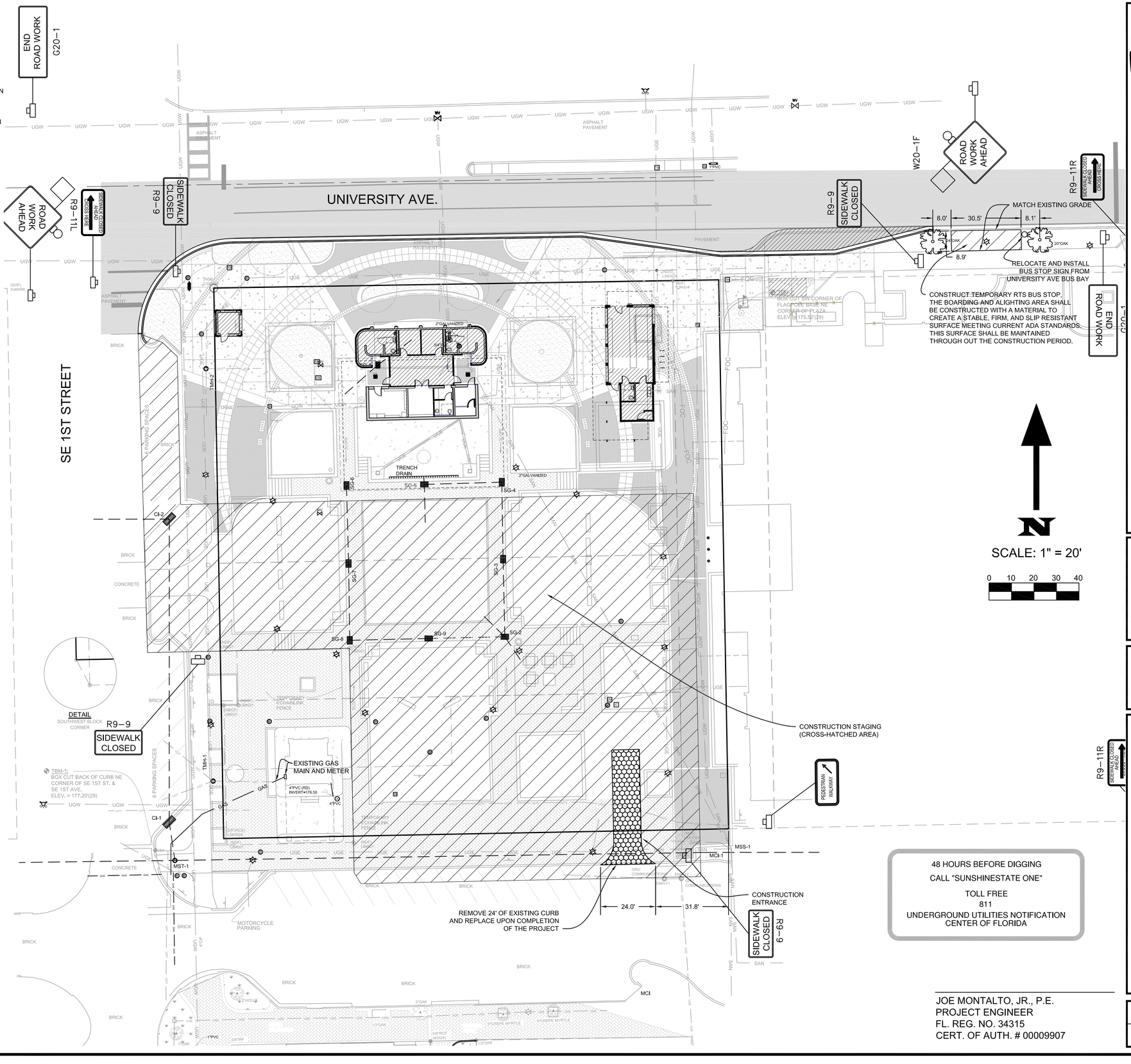
6. ALL WORK ZONE SIGNAGE FOR THE DETOUR AND TRAFFIC CONTROL SHOWN ON THE PLANS SHALL BE MAINTAINED FOR THE FULL DURATION OF THE CONSTRUCTION PERIOD.

7. PEDESTRIAN AND SERVICE VEHICLE ACCESS TO THE EXISTING CAFE AT THE SOUTHWEST CORNER OF THE DOWNTOWN PLAZA SHALL BE MAINTAINED DURING BUSINESS HOURS.

8.SIDEWALKS ALONG THE SOUTH SIDE OF UNIVERSITY AVENUE FROM SE 1ST STREET TO THE TEMPORARY RTS BUS STOP SHALL BE CLOSED FOR THE FULL DURATION OF THE CONSTRUCTION PERIOD. PORTIONS OF THE SIDEWALK ALONG THE WEST SIDE OF SE 1ST STREET AS SHOWN ON THE PLANS SHALL BE CLOSED FOR THE FULL DURATION OF THE CONSTRUCTION PERIOD. THE SIDEWALK ALONG THE NORTH SIDE OF SE 1ST AVENUE FROM THE EXISTING CAFE FRONTAGE TO THE ALACHUA COUNTY COURTHOUSE ENTRANCE (AS SHOWN ON THE PLANS) SHALL BE CLOSED FOR THE DURATION OF THE CONSTRUCTION PERIOD. A 6 FOOT SIDEWALK SHALL ALONG THE ALACHUA COUNTY COURTHOUSE FROM SE 1ST STREET TO THE COURTHOUSE ENTRANCE FOR THE DURATION OF THE CONSTRUCTION PERIOD. ACCESS TO THE BUILDING SHALL BE MAINTAINED AT ALL TIMES.

9. THE CONTRACTOR SHALL CONTACT JOEY YARBOROUGH, PUBLIC WORKS DEPARTMENT, AT (352) 334-5070 UPON COMPLETION OF THE INSTALLATION OF THE TRAFFIC CONTROL SIGNAGE FOR INSPECTION.

10. LANE CLOSURES FOR THE EASTBOUND LANE OF UNIVERSITY AVENUE (SR 26) MAY BE REQUIRED FOR THE CONSTRUCTION OF THE RTS BUS BAY. NO UNIVERSITY AVENUE LANE CLOSURES SHALL BE ALLOWED BETWEEN 6:00 AM AND 9:00 PM. LANE CLOSURES ALONG UNIVERSITY AVENUE SHALL BE COORDINATED WITH THE FDOT GAINESVILLE MAINTENANCE OFFICE 72 IN ADVANCE OF THE CLOSURE.



SCALE: 1" = 20'

0 10 20 30 40

48 HOURS BEFORE DIGGING
CALL "SUNSHINESTATE ONE"
TOLL FREE
811
UNDERGROUND UTILITIES NOTIFICATION CENTER OF FLORIDA

JOE MONTALTO, JR., P.E.
PROJECT ENGINEER
FL. REG. NO. 34315
CERT. OF AUTH. # 00009907

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309 SE 7th Street, Gainesville, Florida 32601
Phone No. (352) 494-6225 Fax No. (352) 338-0303

DATE: 11/04/2014
REVISIONS: 01/06/2015
REVISIONS: 01/24/2015

DRAWN BY: JMJ
CHECKED BY: JMJ
FILE: 2013.03

CONSTRUCTION STAGING AREA AND TRAFFIC CONTROL

DOWNTOWN PLAZA RENOVATION PROJECT GAINESVILLE, FLORIDA

SHEET
C-8

FIRE BUILDING EXPOSURE NOTES

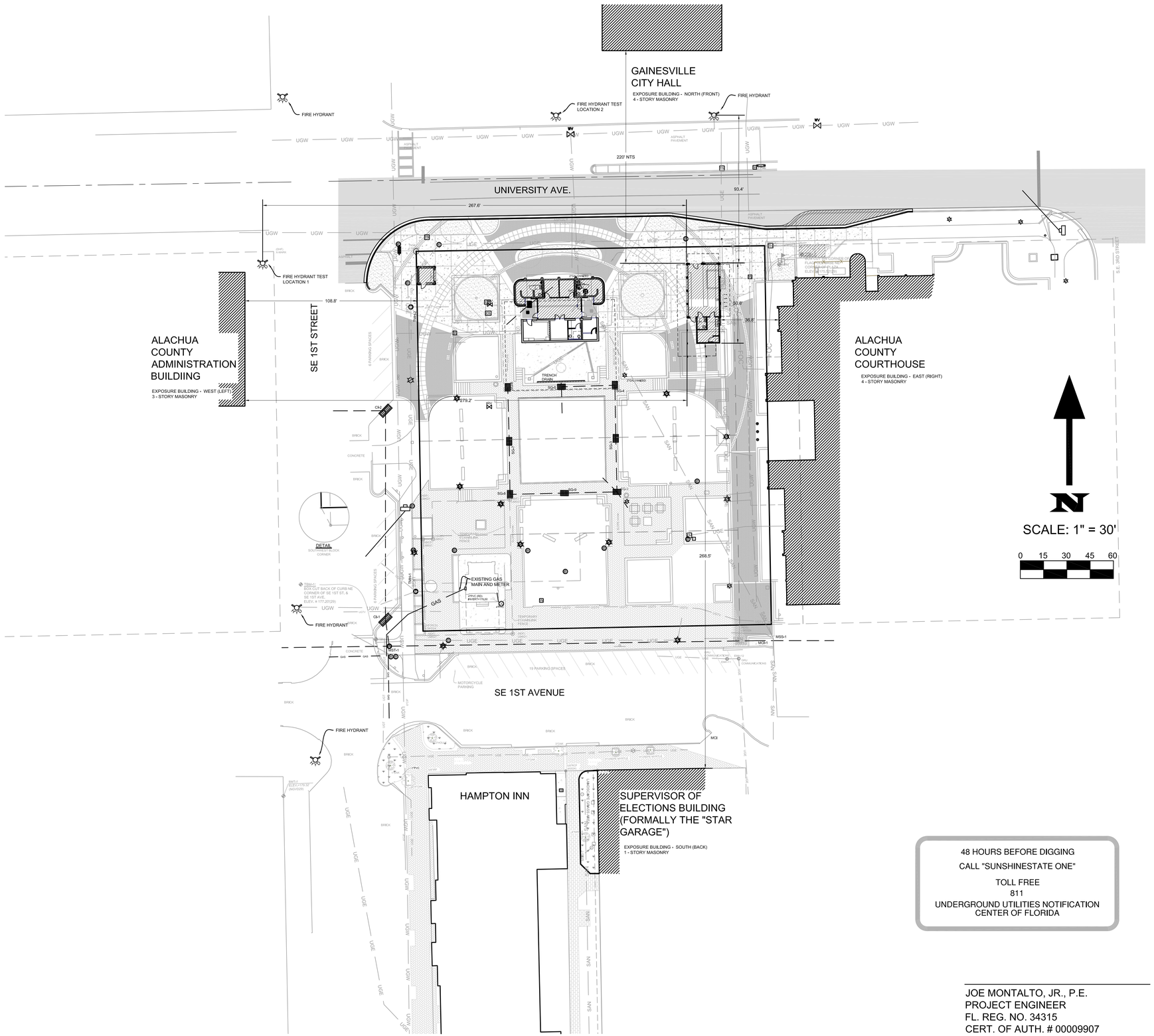
1. ONE (1) EXPOSURE BUILDING IS WITHIN 100 FEET OF THE THE THREE (3) STRUCTURES (CAFE, GREENROOM, AND KIOSK). THE EAST (RIGHT) EXPOSURE BUILDING IS A FOUR (4) STORY MASONRY BUILDING (ALACHUA COUNTY COURTHOUSE).

2. THERE ARE NO NORTH (FRONT) AND WEST (LEFT), OR SOUTH (REAR) EXPOSURE BUILDINGS WITHIN 100 FEET OF THE DOWNTOWN PLAZA RENOVATION PROJECT STRUCTURES.

3. THE ALACHUA COUNTY ADMINISTRATION BUILDING, HAMPTON INN, SUPERVISOR OF ELECTIONS BUILDING, AND THE GAINESVILLE CITY HALL ARE ALL OVER 100 FEET FROM THE PROPOSED STRUCTURES.

4. TWO (2) FIRE HYDRANTS ARE REQUIRED TO SATISFY THE FIRE FLOW REQUIREMENT OF 1,500 GPM AS SHOWN IN THE NFPA 1 FIRE CODE, 2009 EDITION, SECTION 187.4 FIRE FLOW CALCULATIONS SUBMITTED WITH THE SITE DEVELOPMENT PLANS PACKAGE. SIX (6) FIRE HYDRANTS ARE WITHIN 500 FEET OF THE PROPOSED STRUCTURES.

5. FIRE HYDRANT NO. 1 IS LOCATED WITHIN 420 FEET OF THE MOST REMOTE PART OF THE CAFE BUILDING AND PROVIDES A FLOW OF 4,549 GPM @ 20 PSI AND FIRE HYDRANT NO. 2 IS LOCATED WITHIN 244 FEET OF THE MOST REMOTE PART OF THE BUILDING AND PROVIDES A FIRE FLOW OF 6,6288 GPM @ 20 PSI.



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FIRE PROTECTION BUILDING EXPOSURE PLAN

DOWNTOWN PLAZA RENOVATION PROJECT
GAINESVILLE, FLORIDA

SHEET
C-9

GRU UTILITY NOTES

1.ALL UTILITY PERMITTING WILL BE THROUGH GRU.

2.THE UTILITY PLAN SHOWS ALL PUBLIC UTILITY EASEMENTS (PUE'S) IN METES AND BOUNDS FORMAT. UPON GRU'S APPROVAL OF PLANS FOR DEVELOPMENTS NOT BEING PLATTED., OWNER MAY CHOOSE TO GRANT THE METES AND BOUNDS EASEMENTS AS SHOWN, OR A BLANKET EASEMENT OVER THE ENTIRE PROPERTY, PROVIDED FACILITIES ARE INSTALLED WITHIN PRESCRIBED DISTANCES AS SHOWN ON THE UTILITY PLANS IN ACCORDANCE WITH THE UTILITY SEPARATION REQUIREMENTS TABLE APPENDIX C OF THE GRU W/WW/RCW DESIGN STANDARDS.

3. ALL CONSTRUCTION MATERIALS AND METHODS FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER SYSTEMS SHALL CONFORM TO GRU'S MOST RECENT POTABLE WATER, WASTEWATER, & RECLAIMED WATER SYSTEM DESIGN STANDARDS, AND APPROVED MATERIALS MANUAL.

4. POTABLE WATER AND WASTEWATER MAINS SHALL MAINTAIN A MINIMUM OF 10 FEET HORIZONTAL AND 1.5 FOOT VERTICAL SEPARATION.

5. A MINIMUM HORIZONTAL SEPARATION OF 10 FEET FOR POTABLE WATER MAINS, WASTEWATER FORCE MAINS, AND RECLAIMED WATER MAINS, AND 15 FEET FOR GRAVITY WASTEWATER MAINS SHALL BE PROVIDED AND MAINTAINED FROM, BUILDINGS, TRANSFORMERS, AND ALL PERMANENT STRUCTURES. SERVICE LATERALS REQUIRE 5 FEET LESS CLEARANCE FOR EACH OF THE UTILITIES; NOTE THAT WATER SERVICE LATERALS SHALL BE INSTALLED WITHIN 3" SLEEVES. NOTE: WITHIN THE GAINESVILLE CITY LIMITS, SEPARATION TO TREES IS REDUCED TO 7.5' FOR PRESSURIZED MAINS AND 10' (MINIMUM) FOR GRAVITY MAINS. (SEE APPENDIX C OF GRU'S DESIGN STANDARDS AND CONSTRUCTION DETAILS FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER - HORIZONTAL SEPARATION DISTANCES FOR PARALLEL AND PERPENDICULAR CLEARANCE FROM OTHER OBJECTS TABLE.)

6. POTABLE WATER SERVICES, REQUIRING A SEPARATE WATER METER, SHALL BE PROVIDED TO EACH LOT, BUILDING OR PARCEL. EFFECTIVE OCTOBER 1, 2007, FOR COMMERCIAL, MULTI-FAMILY, AND INSTITUTIONAL DEVELOPMENTS, THE DEVELOPER SHALL BE RESPONSIBLE FOR INSTALLING POTABLE WATER SERVICES AND YOKE ASSEMBLY PACKAGE UP TO AND INCLUDING THE METER YOKE, BOX (INSTALLED AT FINAL GRADE) AND ASSOCIATED APPURTENANCES, FOR METERS 1" AND SMALLER (SEE GRU W/WW/RCW CONSTRUCTION DETAIL W-8.0), WITH A ONE-YEAR WARRANTY.

7. 2" VALVES LOCATED IN PAVED AREAS, INCLUDING SIDEWALKS, SHALL BE GRU APPROVED CAST IRON, RESILIENT SEAT GATE VALVES WITH STANDARD 2" OPERATING NUT, THREADED WITH BRASS NIPPLE BETWEEN THE VALVES AND TAPPING SADDLE OR TAPPED TEE.

8.WATER MAINS 4" IN DIAMETER AND GREATER, PLACED UNDER ROADWAYS, SHALL BE CEMENT LINED DUCTILE IRON PIPE (CLDIP) EXTENDING 5 FEET PAST THE BACK OF CURB (3 FEET WITHIN THE CITY OF GAINESVILLE LIMITS). TRACER WIRE INSTALLED ON PVC WATER MAINS SHALL CONTINUE ACROSS THE CLDIP SECTIONS.

9. 1" OR 2" WATER SERVICE CROSSINGS LOCATED UNDER ROADWAYS SHALL BE ENCASED IN 3" SCH 40 PVC EXTENDING 5' PAST THE BACK OF THE CURB (3' INSIDE CITY OF GAINESVILLE LIMITS).

10. ANCHORING TEES, COUPLINGS, AND BENDS SHALL BE USED ON ALL FIRE HYDRANTS ASSEMBLIES.

11. ALL PRESSURIZED MAIN FITTINGS SHALL BE MECHANICAL JOINT WITH RESTRAINED JOINT GLANDS; A SUFFICIENT LENGTH OF THE PIPE CONNECTED TO THE FITTINGS SHALL BE MECHANICALLY RESTRAINED TO PROVIDE REACTION AS SPECIFIED ON THE RESTRAINED JOINT STANDARD IN THE CONSTRUCTION DETAILS OF THE GRU STANDARDS (W - 2.8 & 2.9, RCW - 2.8 & 2.9, WW - 2.4 & 2.5). CALCULATIONS FOR THE REQUIRED RESTRAINT LENGTH MUST BE PROVIDED IN THE SPECIFIED RESTRAINT LENGTH, DUE TO SOIL TYPE OR DEPTH OF COVER, DIFFERS FROM THOSE PROVIDED ON THESE DETAILS.

12. ALL SANITARY WASTEWATER SERVICE LATERALS SHALL BE MIN. 4" DIAMETER PVC (SDR 35) AT 1.00% MIN. SLOPE UNLESS OTHERWISE LABELED.

13. WASTEWATER CLEANOUT COVERS LOCATED WITHIN PAVEMENT AND SIDEWALKS ADJACENT TO PAVED AREAS SHALL BE RATED FOR TRAFFIC LOAD BEARING. WASTEWATER CLEANOUT COVERS IN OTHER SIDEWALKS/WALKWAYS SHALL BE BRASS WITH A SQUARE RECESS.

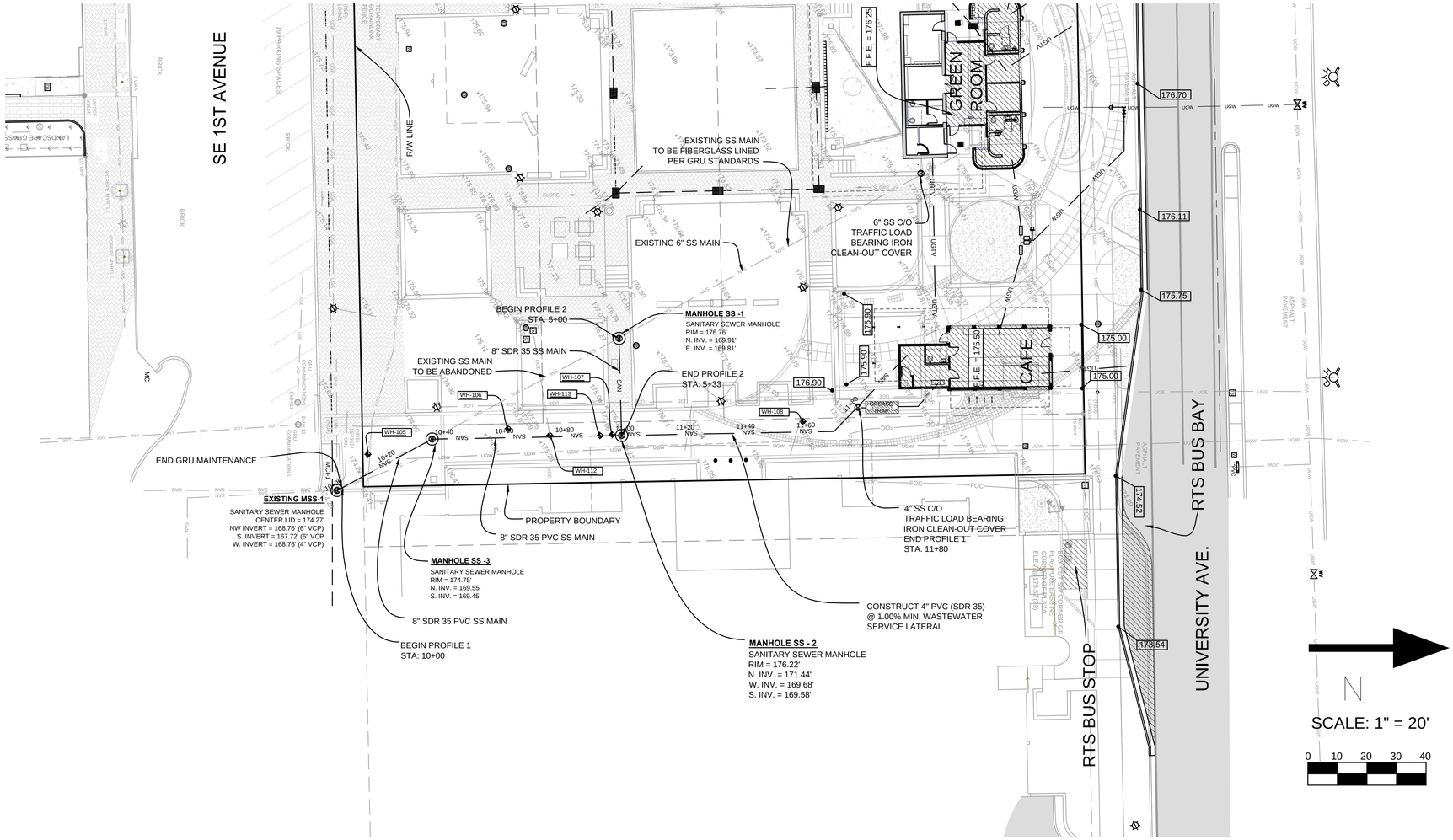
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16. WHEN A POTABLE OR RECLAIMED MAIN IS ROUTED WITHIN 10 FT. OF AN ELECTRIC TRANSFORMER, A 20 FT. LENGTH OF DIP SHALL BE CENTERED ON THE TRANSFORMER WITH MECHANICAL RESTRAINT AT EACH END. NO FITTINGS OR VALVES SHALL OCCUR WITHIN 10 FT. OF THE NEAREST EDGE OF THE TRANSFORMER. A MINIMUM CLEARANCE OF 3 FT. SHALL BE MAINTAINED BETWEEN THE MAIN AND THE TRANSFORMER.

GRU GAS NOTES

1. CONTRACTOR TO PROTECT GAS MAIN DURING CONSTRUCTION ACTIVITIES.
2. MAINTAIN 36" MINIMUM COVER OVER GAS MAIN.
3. CONTACT MIKE BROWN, GRU GAS, 72 HOURS PRIOR TO DEMOLITION/START OF CONTRUCTION AT (352) 393-1466.



UNDERGROUND UTILITY NOTE:

THE LOCATIONS AND ELEVATIONS OF UNDERGROUND UTILITIES WH-105 – WH-113 WERE UNCOVERED AND VERIFIED BY GEORGE F. YOUNG, INC. ON 08-12-2014.

WH-105:
4" PVC CATV LINE (WHITE)
4" PVCx2 TELEPHONE LINE (GREY)
ELEVATION = 171.99'

WH-106:
DEBRIS FOUND/REBAR & BROKEN ASPHALT
ELEVATION = 172.3'-171.3'

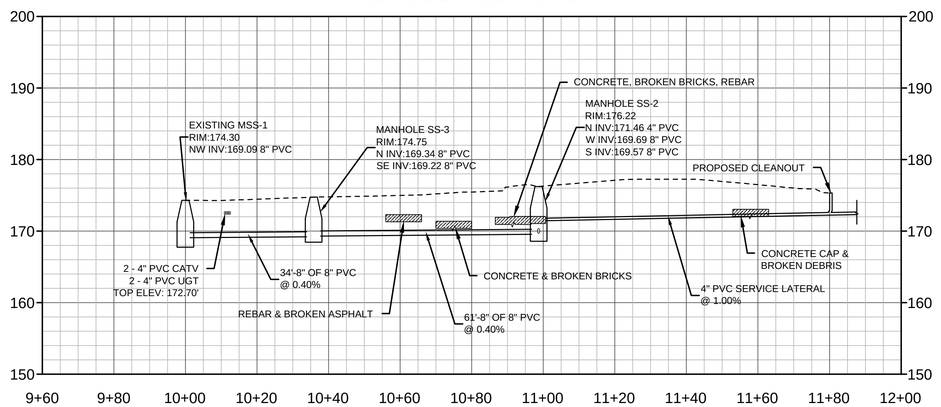
WH-107:
DEBRIS FOUND/REBAR & BROKEN BRICKS
ELEVATION = 171.35'

WH-108:
POSSIBLE CONCRETE CAP BROKEN DEBRIS
ELEVATION = 172.34'

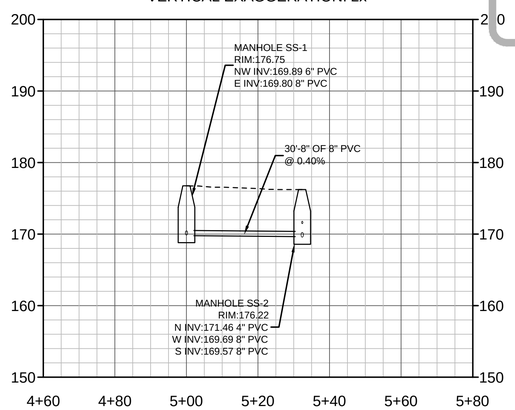
WH-112:
BROKEN BRICKS AND CONCRETE DEBRIS
ELEVATION = 170.67'

WH-113:
BROKEN BRICK AND CONCRETE DEBRIS
ELEVATION = 171.21'

EXISTING MANHOLE TO CLEANOUT
STA. 9+60.00 - STA. 12+00.00
VERTICAL EXAGGERATION: 2x



MANHOLE TO MANHOLE
STA. 4+60.00 - STA. 5+80.00
VERTICAL EXAGGERATION: 2x



NOTE:

THE EXTENT (DEPTH AND WIDTH) OF THE "DEBRIS" SHOWN IN THE CROSS-HATCHED AREAS ON THE PROFILE DESIGNATED AS "CONCRETE, BRICKS, ETC." IS UNKNOWN AND SHALL BE DETERMINED BY THE CONTRACTOR. THE "TOP ELEVATION" OF THE "DEBRIS" HAS BEEN VERTICALLY VERIFIED BY THE PROJECT SURVEYOR, DEREN LAND SURVEYING. IT IS SHOWN HERE FOR INFORMATIONAL PURPOSES ONLY.

48 HOURS BEFORE DIGGING
CALL "SUNSHINESTATE ONE"
TOLL FREE
811
UNDERGROUND UTILITIES NOTIFICATION CENTER OF FLORIDA

JMJ CONSULTANT ENGINEER, LLC
309 SE 7th Street, Gainesville, Florida 32601
Phone No. (352) 494-6225 Fax No. (352) 338-0303

DATE: 11/04/2014
REVISIONS: 01/06/2015

DRAWN BY: JMJ
CHECKED BY: JMJ
FILE: 2013.03

SANITARY SEWER PROFILES
DOWNTOWN PLAZA RENOVATION PROJECT
GAINESVILLE, FLORIDA

JOE MONTALTO, JR., P.E.
PROJECT ENGINEER
FL. REG. NO. 34315
CERT. OF AUTH. # 00009907

SHEET
S-1

GRU UTILITY NOTES

1.ALL UTILITY PERMITTING WILL BE THROUGH GRU.

2.THE UTILITY PLAN SHOWS ALL PUBLIC UTILITY EASEMENTS (PUE'S) IN METES AND BOUNDS FORMAT. UPON GRU'S APPROVAL OF PLANS FOR DEVELOPMENTS NOT BEING PLATTED., OWNER MAY CHOOSE TO GRANT THE METES AND BOUNDS EASEMENTS AS SHOWN, OR A BLANKET EASEMENT OVER THE ENTIRE PROPERTY, PROVIDED FACILITIES ARE INSTALLED WITHIN PRESCRIBED DISTANCES AS SHOWN ON THE UTILITY PLANS IN ACCORDANCE WITH THE UTILITY SEPARATION REQUIREMENTS TABLE APPENDIX C OF THE GRU W/WW/RCW DESIGN STANDARDS.

3. ALL CONSTRUCTION MATERIALS AND METHODS FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER SYSTEMS SHALL CONFORM TO GRU'S MOST RECENT POTABLE WATER, WASTEWATER, & RECLAIMED WATER SYSTEM DESIGN STANDARDS, AND APPROVED MATERIALS MANUAL.

4. POTABLE WATER AND WASTEWATER MAINS SHALL MAINTAIN A MINIMUM OF 10 FEET HORIZONTAL AND 1.5 FOOT VERTICAL SEPARATION.

5. A MINIMUM HORIZONTAL SEPARATION OF 10 FEET FOR POTABLE WATER MAINS, WASTEWATER FORCE MAINS, AND RECLAIMED WATER MAINS, AND 15 FEET FOR GRAVITY WASTEWATER MAINS SHALL BE PROVIDED AND MAINTAINED FROM, BUILDINGS, TRANSFORMERS, AND ALL PERMANENT STRUCTURES. SERVICE LATERALS REQUIRE 5 FEET LESS CLEARANCE FOR EACH OF THE UTILITIES; NOTE THAT WATER SERVICE LATERALS SHALL BE INSTALLED WITHIN 3" SLEEVES. NOTE: WITHIN THE GAINESVILLE CITY LIMITS, SEPARATION TO TREES IS REDUCED TO 7.5' FOR PRESSURIZED MAINS AND 10' (MINIMUM) FOR GRAVITY MAINS. (SEE APPENDIX C OF GRU'S DESIGN STANDARDS AND CONSTRUCTION DETAILS FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER - HORIZONTAL SEPARATION DISTANCES FOR PARALLEL AND PERPENDICULAR CLEARANCE FROM OTHER OBJECTS TABLE.)

6. POTABLE WATER SERVICES, REQUIRING A SEPARATE WATER METER, SHALL BE PROVIDED TO EACH LOT, BUILDING OR PARCEL. EFFECTIVE OCTOBER 1, 2007, FOR COMMERCIAL, MULTI-FAMILY, AND INSTITUTIONAL DEVELOPMENTS, THE DEVELOPER SHALL BE RESPONSIBLE FOR INSTALLING POTABLE WATER SERVICES AND YOKE ASSEMBLY PACKAGE UP TO AND INCLUDING THE METER YOKE, BOX (INSTALLED AT FINAL GRADE) AND ASSOCIATED APPURTENANCES, FOR METERS 1" AND SMALLER (SEE GRU W/WW/RCW CONSTRUCTION DETAIL W-8.0), WITH A ONE-YEAR WARRANTY.

7. 2" VALVES LOCATED IN PAVED AREAS, INCLUDING SIDEWALKS, SHALL BE GRU APPROVED CAST IRON, RESILIENT SEAT GATE VALVES WITH STANDARD 2" OPERATING NUT, THREADED WITH BRASS NIPPLE BETWEEN THE VALVES AND TAPPING SADDLE OR TAPPED TEE.

8.WATER MAINS 4" IN DIAMETER AND GREATER, PLACED UNDER ROADWAYS, SHALL BE CEMENT LINED DUCTILE IRON PIPE (CLDIP) EXTENDING 5 FEET PAST THE BACK OF CURB (3 FEET WITHIN THE CITY OF GAINESVILLE LIMITS). TRACER WIRE INSTALLED ON PVC WATER MAINS SHALL CONTINUE ACROSS THE CLDIP SECTIONS.

9. 1" OR 2" WATER SERVICE CROSSINGS LOCATED UNDER ROADWAYS SHALL BE ENCASED IN 3" SCH 40 PVC EXTENDING 5' PAST THE BACK OF THE CURB (3' INSIDE CITY OF GAINESVILLE LIMITS).

10. ANCHORING TEES, COUPLINGS, AND BENDS SHALL BE USED ON ALL FIRE HYDRANTS ASSEMBLIES.

11. ALL PRESSURIZED MAIN FITTINGS SHALL BE MECHANICAL JOINT WITH RESTRAINED JOINT GLANDS; A SUFFICIENT LENGTH OF THE PIPE CONNECTED TO THE FITTINGS SHALL BE MECHANICALLY RESTRAINED TO PROVIDE REACTION AS SPECIFIED ON THE RESTRAINED JOINT STANDARD IN THE CONSTRUCTION DETAILS OF THE GRU STANDARDS (W - 2.8 & 2.9, RCW - 2.8 & 2.9, WW - 2.4 & 2.5). CALCULATIONS FOR THE REQUIRED RESTRAINT LENGTH MUST BE PROVIDED IN THE SPECIFIED RESTRAINT LENGTH, DUE TO SOIL TYPE OR DEPTH OF COVER, DIFFERS FROM THOSE PROVIDED ON THESE DETAILS.

12. ALL SANITARY WASTEWATER SERVICE LATERALS SHALL BE MIN. 4" DIAMETER PVC (SDR 35) AT 1.00% MIN. SLOPE UNLESS OTHERWISE LABELED.

13. WASTEWATER CLEANOUT COVERS LOCATED WITHIN PAVEMENT AND SIDEWALKS ADJACENT TO PAVED AREAS SHALL BE RATED FOR TRAFFIC LOAD BEARING. WASTEWATER CLEANOUT COVERS IN OTHER SIDEWALKS/WALKWAYS SHALL BE BRASS WITH A SQUARE RECESS.

14. MANHOLES WHICH ARE NOT INSTALLED UNDER PAVEMENT SHALL HAVE A RIM ELEVATION AT LEAST 6" ABOVE FINISHED GRADE, AND 10:1 SLOPE TO FINISH GRADE.

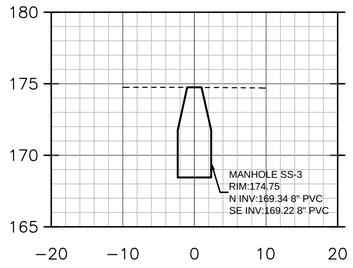
15. UNLESS OTHERWISE NOTED ON THE PLANS, THE FINISHED FLOOR ELEVATIONS OF THE BUILDINGS SHALL BE A MINIMUM OF 6" ABOVE THE LOWEST UPSTREAM MANHOLE TOP. IF THIS INFEASIBLE, A WASTEWATER SERVICE LATERAL BACKWATER VALVE (BWV) IS REQUIRED ON THE CUSTOMER SIDE OF THE CLEANOUT.

16. WHEN A POTABLE OR RECLAIMED MAIN IS ROUTED WITHIN 10 FT. OF AN ELECTRIC TRANSFORMER, A 20 FT. LENGTH OF DIP SHALL BE CENTERED ON THE TRANSFORMER WITH MECHANICAL RESTRAINT AT EACH END. NO FITTINGS OR VALVES SHALL OCCUR WITHIN 10 FT. OF THE NEAREST EDGE OF THE TRANSFORMER. A MINIMUM CLEARANCE OF 3 FT. SHALL BE MAINTAINED BETWEEN THE MAIN AND THE TRANSFORMER.

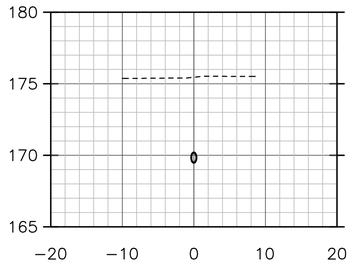
GRU GAS NOTES

1. CONTRACTOR TO PROTECT GAS MAIN DURING CONSTRUCTION ACTIVITIES.
2. MAINTAIN 36" MINIMUM COVER OVER GAS MAIN.
3. CONTACT MIKE BROWN, GRU GAS, 72 HOURS PRIOR TO DEMOLITION/START OF CONTRUCTION AT (352) 393-1466.

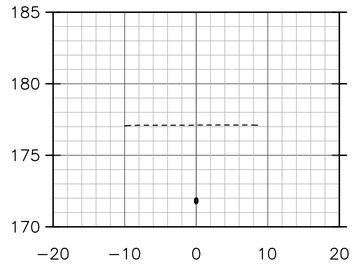
STA: 10+35.84



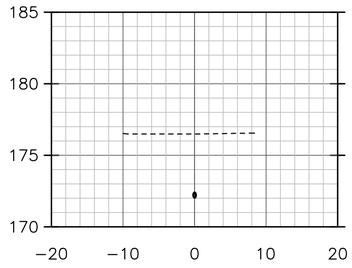
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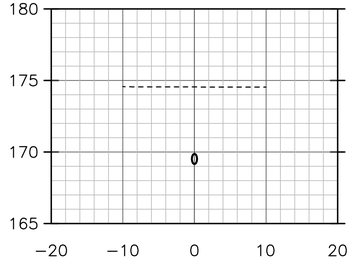
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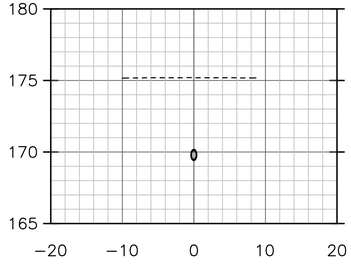
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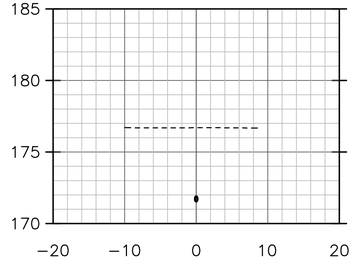
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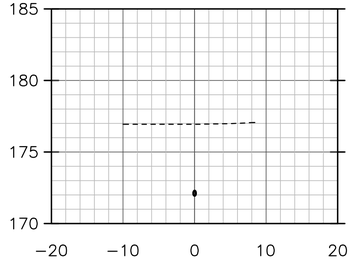
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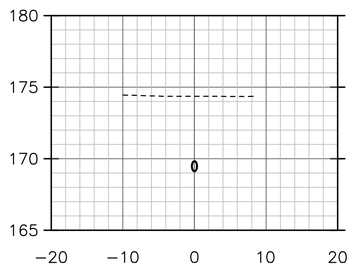
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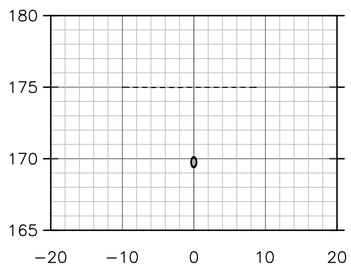
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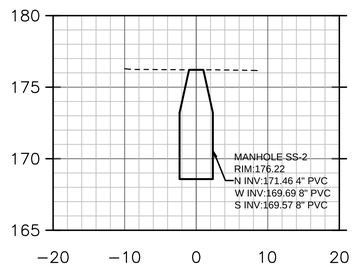
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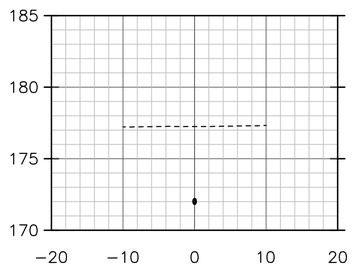
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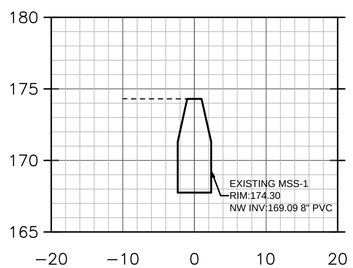
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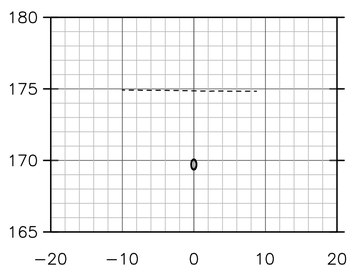
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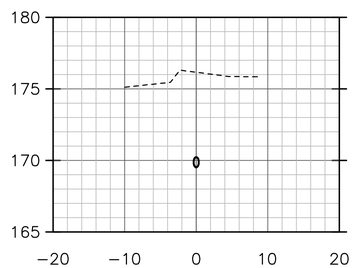
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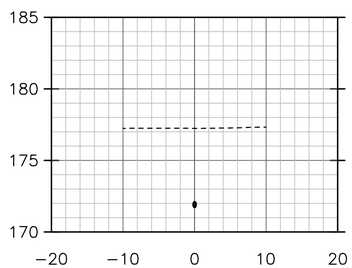
STA: 10+50.00



STA: 10+90.00



STA: 11+30.00



SCALE:
1" = 10' H
1" = 05' V

JOE MONTALTO, JR., P.E.
PROJECT ENGINEER
FL. REG. NO. 34315
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Phone No. (352) 494-6225 Fax No. (352) 338-0303
JMJ CONSULTANT ENGINEER, LLC

DATE: 11/04/2014
REVISIONS: 01/06/2015

DRAWN BY: JMJ
CHECKED BY: JMJ
FILE: 2013.03

SANITARY SEWER CROSS SECTIONS

DOWNTOWN PLAZA RENOVATION PROJECT
GAINESVILLE, FLORIDA

SHEET
S-2

NOTES

GENERAL

ALL ASPHALT, LIMEROCK, AND CONSTRUCTION DEBRIS TO BE REMOVED FROM PLANTING BEDS AND AREAS TO BE SODDED PRIOR TO LANDSCAPE INSTALLATION. PLANTING DEPTH OF SOIL IN SUCH AREAS SHOULD BE AT LEAST 3'. IF FILL MUST BE ADDED, IT MUST BE FLORIDA CLEAN DEEP FILL (FREE OF WEED SEEDS) WITH pH 5.5-6.5.

ALL TREES TO BE A MINIMUM SEVEN (7) FEET IN HEIGHT AND TWO (2) INCH CALIPER, OR LARGER, UNLESS OTHERWISE SPECIFIED BY THE LANDSCAPE ARCHITECT.

ALL TREES TO BE PLANTED 1"-2" ABOVE FINISHED GRADE.

ALL LANDSCAPE AREAS SHALL BE MULCHED WITH 3" THICKNESS OF MULCH.

TREES OUTSIDE OF MULCHED LANDSCAPED BEDS TO BE PROTECTED FROM MOWER AND STRING TRIMMER DAMAGE WITH 10" OF PLASTIC DRAIN TUBE.

LEADER SHOOTS AND MAIN STRUCTURAL LIMBS OF TREES WILL NOT BE TOPPED OR PRUNED. TREES TO BE STAKED AS NEEDED, GUYLINES TO BE NON-SYNTHETIC BIODEGRADABLE MATERIAL.

OWNER SHALL BE RESPONSIBLE FOR (1) THE SURVIVAL OF THE LANDSCAPING ELEMENTS FOR ONE YEAR, AND (2) REMOVAL OF ALL STAKING SYSTEMS WITHIN ONE YEAR. TREES WILL BE STAKED ONLY IF NECESSARY, AND IF STAKED, BIODEGRADABLE TWINE WILL BE USED.

INVASIVE EXOTIC PLANT MATERIAL

ALL INVASIVE PLANT SPECIES TO BE REMOVED FROM SITE PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

GRASSING

ALL DISTURBED AND UNPAVED AREAS TO BE GRASSED WITH SOD FREE OF NOXIOUS WEEDS AND TROPICAL SODA APPLE, OR SEEDED AND MULCHED. SEE CIVIL SITE PLANS FOR ADDITIONAL RELATED INFORMATION.

PLANT MATERIAL

ALL PLANT MATERIAL TO BE FLORIDA NO.1 OR BETTER, GRADED IN ACCORDANCE WITH THE STATE OF FLORIDA DEPARTMENT OF AGRICULTURE DIVISION OF PLANT INDUSTRY'S 'GRADES AND STANDARDS FOR NURSERY PLANTS'. CALL THE CITY URBAN FORESTRY INSPECTOR AT 352-393-8188 AND LANDSCAPE ARCHITECT PRIOR TO PURCHASING ANY PLANT MATERIAL FOR AN ON SITE INSPECTION AND REVIEW OF LANDSCAPE PLAN.

IRRIGATION

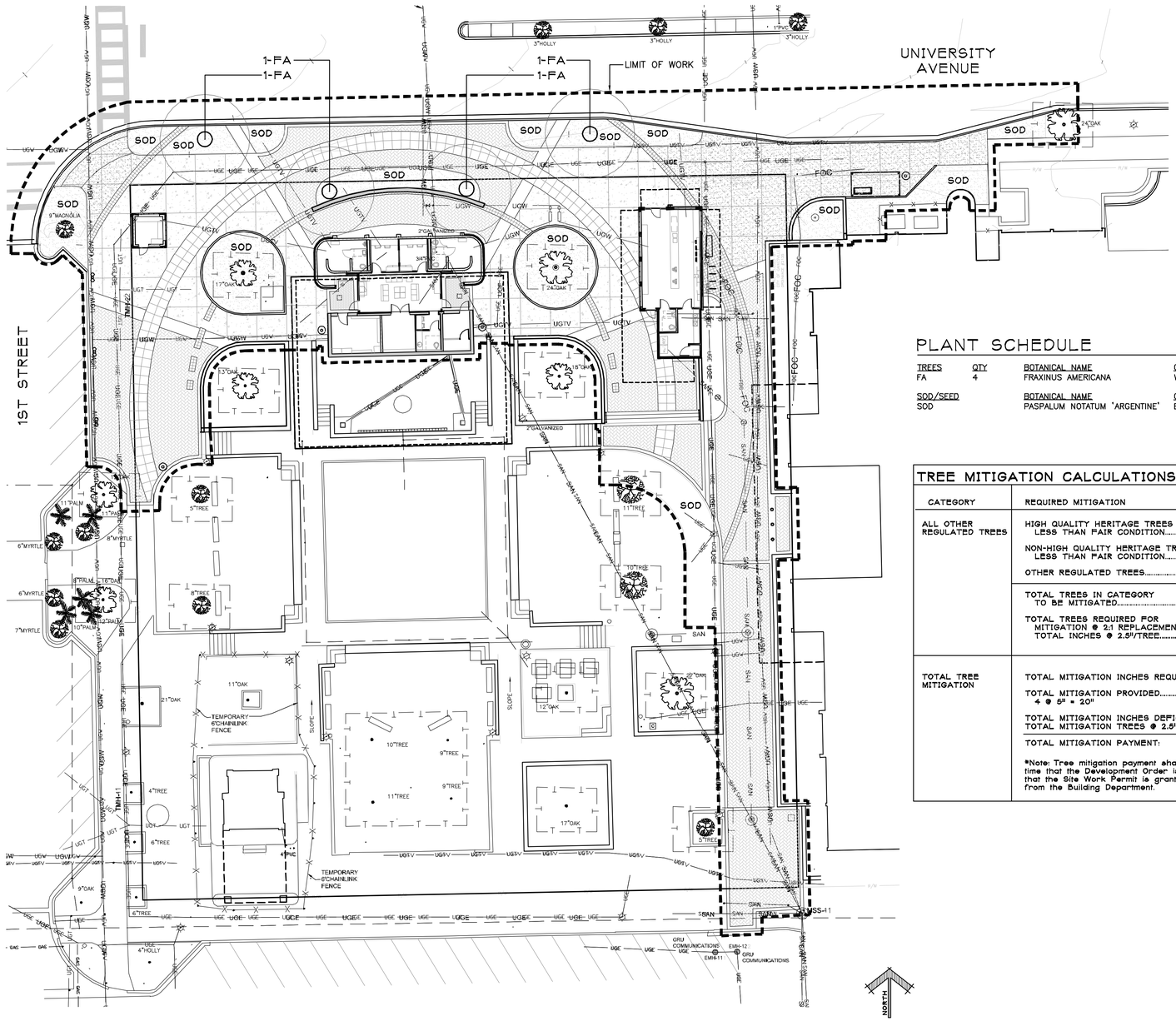
LANDSCAPE IRRIGATION TO BE PROVIDED BY AUTOMATIC IRRIGATION SYSTEM WITH BUBBLERS INSTALLED BY EACH TREE.

T.M.P.A.

SITE IS LOCATED IN **ZONE A** OF THE TRANSPORTATION MOBILITY PROGRAM AREA.

TREE PROTECTION

1. REGULATED TREES TO REMAIN THAT ARE WITHIN 50 FEET OF ANY CONSTRUCTION ACTIVITY OR STORAGE OF EQUIPMENT OR MATERIALS SHALL BE PROTECTED BY A TREE PROTECTION BARRIER.
2. TREE BARRIERS SHALL BE PLAINLY VISIBLE AND SHALL CREATE A CONTINUOUS BOUNDARY AROUND TREES TO REMAIN TO PREVENT ENCROACHMENT BY MACHINERY. NO CONSTRUCTION EQUIPMENT, MATERIALS, SUPPLIES, FUELS, OR CHEMICALS SHALL BE STORED WITHIN THE TREE BARRICADE LIMITS AT ANY TIME.
3. BARRIERS SHALL BE PLACED AT OR OUTSIDE THE DRIP LINE FOR HERITAGE AND CHAMPION TREES AND ALL REGULATED PINE AND PALM TREES. FOR ALL OTHER REGULATED TREES TO REMAIN, TREE BARRIERS SHALL BE LOCATED AT TWO-THIRDS THE AREA OF THE TREE DRIPLINE OR AT THE ROOT PLATE AT A MINIMUM AND WITH CITY URBAN FORESTRY INSPECTOR APPROVAL.
4. NO GRADE CHANGES SHALL BE MADE WITHIN THE PROTECTIVE BARRIER ZONES WITHOUT PRIOR APPROVAL OF THE CITY MANAGER OR DESIGNEE.
5. TREE BARRICADES SHALL REMAIN IN PLACE AND IN WORKING ORDER THROUGHOUT CONSTRUCTION. BARRICADES SHALL BE REMOVED ONCE MAJOR CONSTRUCTION ACTIVITIES ARE COMPLETE AND LANDSCAPE INSTALLATION BEGINS. LANDSCAPE PREPARATION WITHIN THE PROTECTED AREAS SHALL BE LIMITED TO SHALLOW DISKING LIMITED TO A DEPTH OF FOUR (4) INCHES UNLESS OTHERWISE APPROVED BY CITY MANAGER.
6. A LAYER OF WOOD CHIPS AT LEAST EIGHT (8) INCHES THICK SHALL COVER THE SOIL WITHIN THE TREE BARRICADE AREA.
7. WHERE ROOTS GREATER THAN ONE (1) INCH ARE DAMAGED OR EXPOSED, THEY SHALL BE CUT CLEANLY AND RE-COVERED WITH SOIL WITHIN ONE HOUR OF DAMAGE OR EXPOSURE.
8. CONTRACTOR SHALL TRIM ONLY THOSE EXISTING TREES AS NOTED ON THE PLAN OR AS APPROVED BY OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT. TRIMMING/PRUNING SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS 'TREE, SHRUB, AND OTHER WOODY PLANT MAINTENANCE (ANSI 300) AND 'PRUNING, TRIMMING, REPAIRING, MAINTAINING, AND REMOVING TREES, AND CUTTING BRUSH SAFETY REQUIREMENTS' (ANSI Z133). REMOVE NO MORE THAN 25% OF THE CROWN AT ONE TIME. ON YOUNG TREES, REMOVE NO MORE THAN 33% OF THE TRUNK BARE OF BRANCHES. DISCUSS PROPOSED TRIMMING ACTIVITIES WITH OWNER'S REPRESENTATIVE AND CITY'S URBAN FORESTRY INSPECTOR PRIOR TO ACTIITIES/REMOVAL.
9. <u>STANDARD TREE PROTECTION BARRIER FOR REGULATED TREES THAT ARE NOT HIGH-QUALITY HERITAGE - SEE DETAIL 1/LS-01</u>: BARRICADES TO BE A MINIMUM OF THREE (3) FEET TALL AND CONSTRUCTED OF EITHER 2X4 WOODEN CORNER POSTS BURIED TO ONE FOOT DEPTH WITH AT LEAST TWO COURSES OF 1X4 WOODEN SIDE SLATS WITH COLORED FLAGGING/COLORED MESH ATTACHED OR CONSTRUCTED OF ONE-INCH ANGLE IRON CORNER POSTS WITH BRIGHTLY COLORED MESH CONSTRUCTION FENCING ATTACHED. SEE NOTE 10 FOR ADDITIONAL REQUIREMENTS FOR HIGH-QUALITY HERITAGE TREE BARRIERS.
10. <u>ADDITIONAL BARRIER REQUIREMENTS FOR HIGH QUALITY HERITAGE TREES TO REMAIN - SEE DETAIL **2/LS-1**</u>: HIGH QUALITY HERITAGE TREES SHALL BE PROTECTED BY GALVANIZED CHAIN LINK FENCING A MINIMUM OF 48" HIGH, 11-GUAGE WIRE, AND 2" MESH SIZE SECURED WITH 1-7/8" LINE POSTS NO FURTHER THAN 10 FT. APART AND SECURED AT A DEPTH OF THREE (3) FEET BELOW THE SOIL LINE. BARRIER CORNERS SHALL BE SECURED WITHIN 2-3/8" POSTS SECURED TO A DEPTH OF FOUR (4) FEET BELOW THE SOIL LINE.
11. CALL PLANNING SERVICES AT 352-393-8188 TO SCHEDULE A BARRICADE INSPECTION BEFORE ANY CLEARING AND GRUBBING WORK BEGINS.



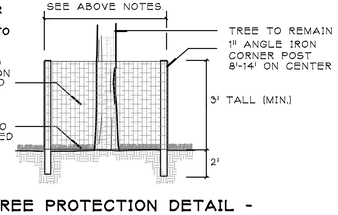
PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE
FA	4	FRAXINUS AMERICANA	WHITE ASH	65 GAL., 13' HT., 5' SPR., 3.5" CAL
SOD/SEED		**BOTANICAL NAME**	**COMMON NAME**	**CONT**
SOD		PASPALUM NOTATUM 'ARGENTINE'	BAHIA GRASS	WEED FREE AND SAND GROWN SOD

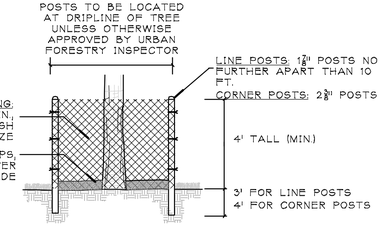
TREE MITIGATION CALCULATIONS Sec. 30-254(c)(4)

CATEGORY	REQUIRED MITIGATION
ALL OTHER REGULATED TREES	HIGH QUALITY HERITAGE TREES IN LESS THAN FAIR CONDITION.....0 TREES NON-HIGH QUALITY HERITAGE TREES IN LESS THAN FAIR CONDITION.....0 TREES OTHER REGULATED TREES.....18 TREES TOTAL TREES IN CATEGORY TO BE MITIGATED.....18 TREES TOTAL TREES REQUIRED FOR MITIGATION @ 2:1 REPLACEMENT.....36 TREES TOTAL INCHES @ 2.5"/TREE.....90"
TOTAL TREE MITIGATION	TOTAL MITIGATION INCHES REQUIRED.....90" TOTAL MITIGATION PROVIDED.....20" 4 @ 5" = 20" TOTAL MITIGATION INCHES DEFICIT.....-70" TOTAL MITIGATION TREES @ 2.5"/TREE.....28 TREES TOTAL MITIGATION PAYMENT: $2,800 *Note: Tree mitigation payment shall be made prior to the time that the Development Order is issued or at the time that the Site Work Permit is granted for the development from the Building Department.

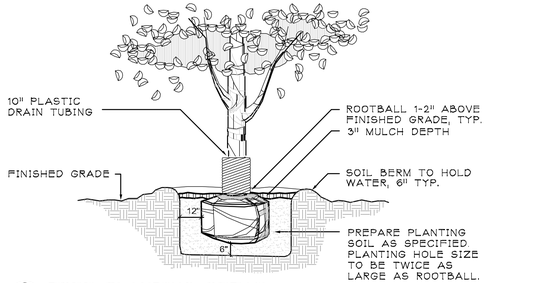
NOTE:
SEE DETAIL 2/LS-01 FOR TREE PROTECTION REQUIREMENTS FOR HIGH QUALITY HERITAGE TREES TO REMAIN.



1 LS-1 STANDARD TREE PROTECTION DETAIL - REGULATED, NON-HIGH QUALITY HERITAGE
N.T.S.



2 LS-1 HIGH-QUALITY HERITAGE TREE PROTECTION DETAIL
N.T.S.



3 LS-01 TREE PLANTING DETAIL
N.T.S.

Buford Davis + Associates
landscape architects site planners
2406 NW 43rd Street
Gainesville, Florida 32606
352.335.1896 tel
352.373.6407 fax
Certificate of Authorization No. 0000033

DOWNTOWN PLAZA RENOVATION PROJECT

Gainesville CRA
Gainesville, Fl

CONSULTANT:

SEAL:

PROJECT NO:	13-069
DRAWN BY:	CEM/JJT
CHECKED BY:	CEM
DATE:	04 NOV 2014
REVISIONS:	

DRAWING SCALE:
0 10 20 40
FEET

DRAWING TITLE:
LANDSCAPE PLAN

ISSUED FOR:
SITE PLAN REVIEW

DRAWING NUMBER:
LS-1

SHEET: 1 OF 2

PLOTDATE: 11/03/2014 3:55 PM USER: ELISABETH MANLEY
FILENAME: Z:\CLIENT\13-069 BO DIDDLEY PLAZA\01_BDA\02_SPR\01_SHEETS\13-069_BDA_BO-DIDDLEY-PLAZA_SPR_LS1.DWG

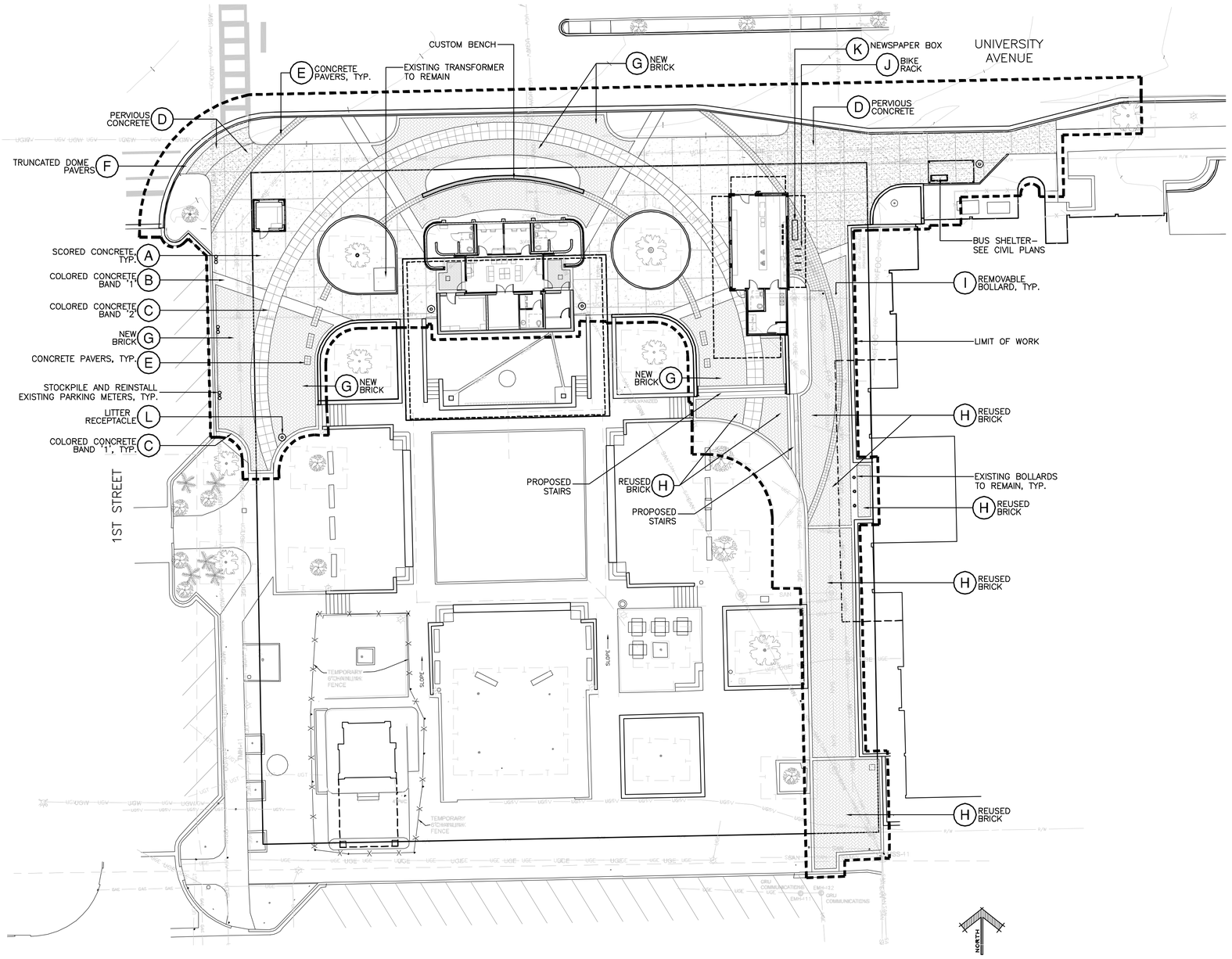
HARDSCAPE NOTES

1. REFERENCE CIVIL 'PAVING, GRADING, AND DRAINAGE' PLANS AND DETAILS FOR GRADING AND DRAINGE INFORMATION AND TYPICAL PAVING SECTIONS.

FINISH SCHEDULE

SYM	ITEM	SPECIFICATIONS
A	SCORED CONCRETE	TYPE: STANDARD CONCRETE W/ SAW CUT JOINTS FINISH: LIGHT BROOM FINISH AS SHOWN COLOR: STANDARD GREY SOURCE: TBD
B	COLORED CONCRETE BAND '1'	TYPE: INTEGRAL COLOR CONCRETE FINISH: SMOOTH COLOR: TBD SOURCE: TBD
C	COLORED CONCRETE BAND '2'	TYPE: INTEGRAL COLOR CONCRETE W/ JOINTS AS SHOWN FINISH: TBD COLOR: TBD SOURCE: TBD
D	PERVIOUS CONCRETE	TYPE: STANDARD GREY PERVIOUS CONCRETE FINISH: N/A COLOR: STANDARD GREY SOURCE: TBD
E	CONCRETE PAVERS	TYPE: 12" X 12" CONCRETE PAVERS FINISH: TBD COLOR: TBD SOURCE: TBD
F	TRUNCATED DOME PAVERS	TYPE: TRUNCATED DOME CONCRETE PAVERS FINISH: N/A COLOR: TBD SOURCE: TBD
G	NEW BRICK PAVERS	TYPE: CLAY BRICK PAVERS, HERRINGBONE PATTERN FINISH: N/A COLOR: TBD SOURCE: TBD
H	REUSED BRICK PAVERS	TYPE: EXISTING BRICK, STOCKPILED, CLEANED, & REINSTALLED FINISH: EXISTING HERRINGBONE PATTERN COLOR: EXISTING SOURCE: EXISTING
I	REMOVEABLE BOLLARD (COUNT OF 2)	TYPE: STEEL REMOVABLE BOLLARD FINISH: POWDERCOAT COLOR: TBD SOURCE: TBD
J	BIKE RACK (COUNT OF 4)	TYPE: TBD FINISH: TBD COLOR: TBD SOURCE: TBD
K	NEWSPAPER BOX (COUNT OF 1)	TYPE: MODEL '49' W/2 NEWSPAPER & 8 MAGAZINE BOXES, FINISH: POWDERCOAT SURFACE MOUNT COLOR: TBD SOURCE: M.E.R. INC., (361)293-6452, WWW.MERNEWSRACK.COM
L	LITTER RECEPTACLE (COUNT OF 4)	TYPE: TBD FINISH: TBD COLOR: TBD SOURCE: TBD

NOTE: CONTRACTOR SHALL SUBMIT SAMPLES ON MATERIAL SPECIFIED AND/OR SHOP DRAWINGS FOR ALL FINISH SCHEDULE ITEMS FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO ORDERING OR INSTALLATION. SUBSTITUTIONS ARE NOT ALLOWED WITHOUT OWNER REPRESENTATIVE APPROVAL.



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DOWNTOWN PLAZA RENOVATION PROJECT

Gainesville CRA
Gainesville, Fl

CONSULTANT:

SEAL:

PROJECT NO:	13-069
DRAWN BY:	CEM/JJT
CHECKED BY:	CEM
DATE:	04 NOV 2014

REVISIONS:

DRAWING SCALE:

0 10 20 40
FEET

DRAWING TITLE:

HARDSCAPE PLAN

ISSUED FOR:

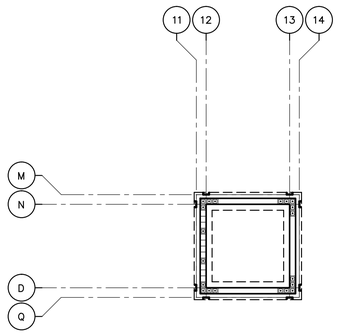
SITE PLAN REVIEW

DRAWING NUMBER:

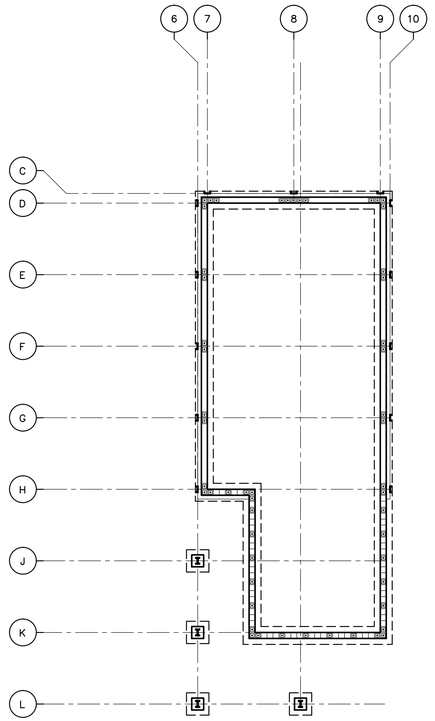
HS-1

SHEET: 2 OF 2

PLOTDATE: 11/03/2014 3:56 PM USER: ELISABETH MANLEY
FILENAME: Z:\CLIENT13\13-069 BO DIDDLEY PLAZA\01_BDA\02_SPR\01_SHEETS\13-069_BDA_BO-DIDDLEY-PLAZA_SPR_HS1.DWG



1 **Kiosk - Foundation Plan**
1/8" = 1'-0"



2 **Cafe - Foundation Plan**
1/8" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

Rev. No.	Date	Description

WSE
WAYLAND
STRUCTURAL ENGINEERING
2801 SW 81st Street
Gainesville, FL 32608
Phone (352) 331-0727
Fax (352) 331-0727
Gregory S. Wayland, PE
Florida PE #54396
COA #8236

Client:
Gainesville Community Redevelopment Agency

Project Name:
Downtown Plaza Renovation Project
111 E. University Avenue Gainesville, FL 32801

Drawing Name:
Cafe and Kiosk - Foundation Plan

GREGORY S. WAYLAND, PE

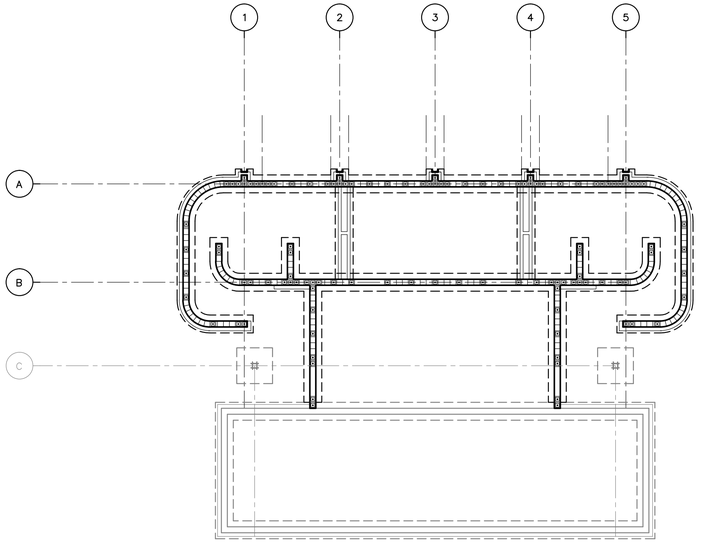
FL PE #54396

Drawn by:
GS WAYLAND

Date:
FEBRUARY 6, 2015

WSE Project No.:
13018

Drawing No.
S2.01



1 **Green Room - Foundation Plan**
1/8" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

Rev. No.	Date	Description

WAYLAND
STRUCTURAL ENGINEERING
Gregory S. Wayland, PE
Florida PE #54396
COA #8236
2801 SW 81st Street
Gainesville, FL 32608
Phone (352) 331-0727
Fax (352) 331-0727

Client:
Gainesville Community Redevelopment Agency

Project Name:
Downtown Plaza Renovation Project
111 E. University Avenue Gainesville, FL 32601

Drawing Name:
Green Room - Foundation Plan

GREGORY S. WAYLAND, PE

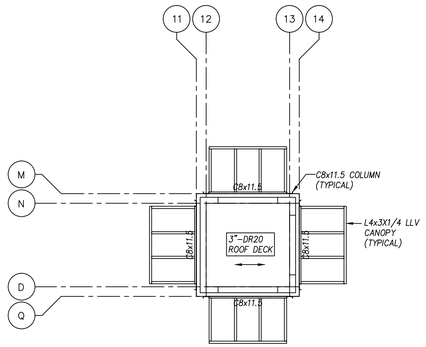
FL PE #54396

Drawn by:
GS WAYLAND

Date:
FEBRUARY 6, 2015

WSE Project No.:
13018

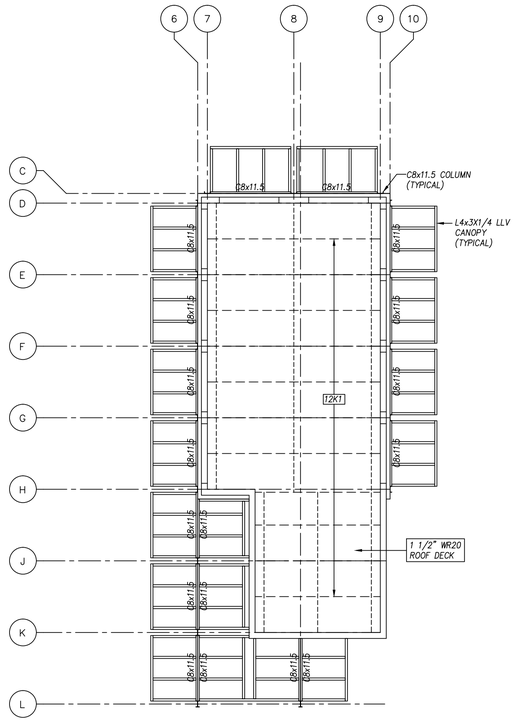
Drawing No.
S2.02



1 Kiosk - Roof Framing Plan

1/8" = 1'-0"

1. TOP OF STEEL DATUM AT ELEVATION +XX-X" UNLESS NOTED THUS (-2 1/2).



2 Cafe - Roof Framing Plan

1/8" = 1'-0"

1. TOP OF STEEL DATUM AT ELEVATION +XX-X" UNLESS NOTED THUS (-2 1/2).

PRELIMINARY
NOT FOR CONSTRUCTION

Rev. No.	Date	Description

WSE
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STRUCTURAL ENGINEERING
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Phone (352) 331-0727
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Gregory S. Wayland, PE
Florida PE #54396
COA #8236

Client:
Gainesville Community Redevelopment Agency

Project Name:
Downtown Plaza Renovation Project
111 E. University Avenue Gainesville, FL 32601

Drawing Name:
Cafe and Kiosk - Roof Framing Plan

GREGORY S. WAYLAND, PE

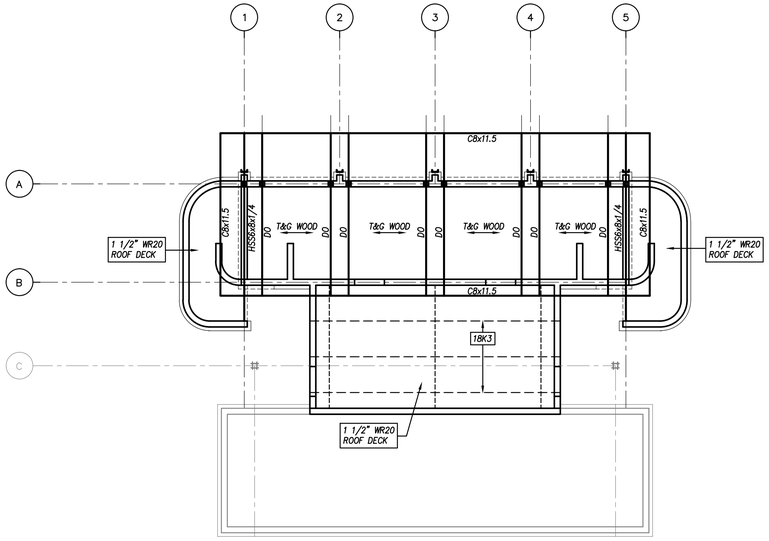
FL PE #54396

Drawn by:
GS WAYLAND

Date:
FEBRUARY 6, 2015

WSE Project No.:
13018

Drawing No.
S3.01



1 Green Room - Roof Framing Plan

1/8" = 1'-0"

1. TOP OF STEEL DATUM AT ELEVATION +XX-X" UNLESS NOTED THUS (-2 1/2).

PRELIMINARY
NOT FOR CONSTRUCTION

Rev. No.	Date	Description

WSE
WAYLAND
STRUCTURAL ENGINEERING
Gregory S. Wayland, PE
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COA #8236
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Phone (352) 331-0727
Fax (352) 331-0727

Client:
Gainesville Community Redevelopment Agency

Project Name:
Downtown Plaza Renovation Project
111 E. University Avenue Gainesville, FL 32601

Drawing Name:
Green Room - Roof Framing Plan

GREGORY S. WAYLAND, PE

FL PE #54396

Drawn by:
GS WAYLAND

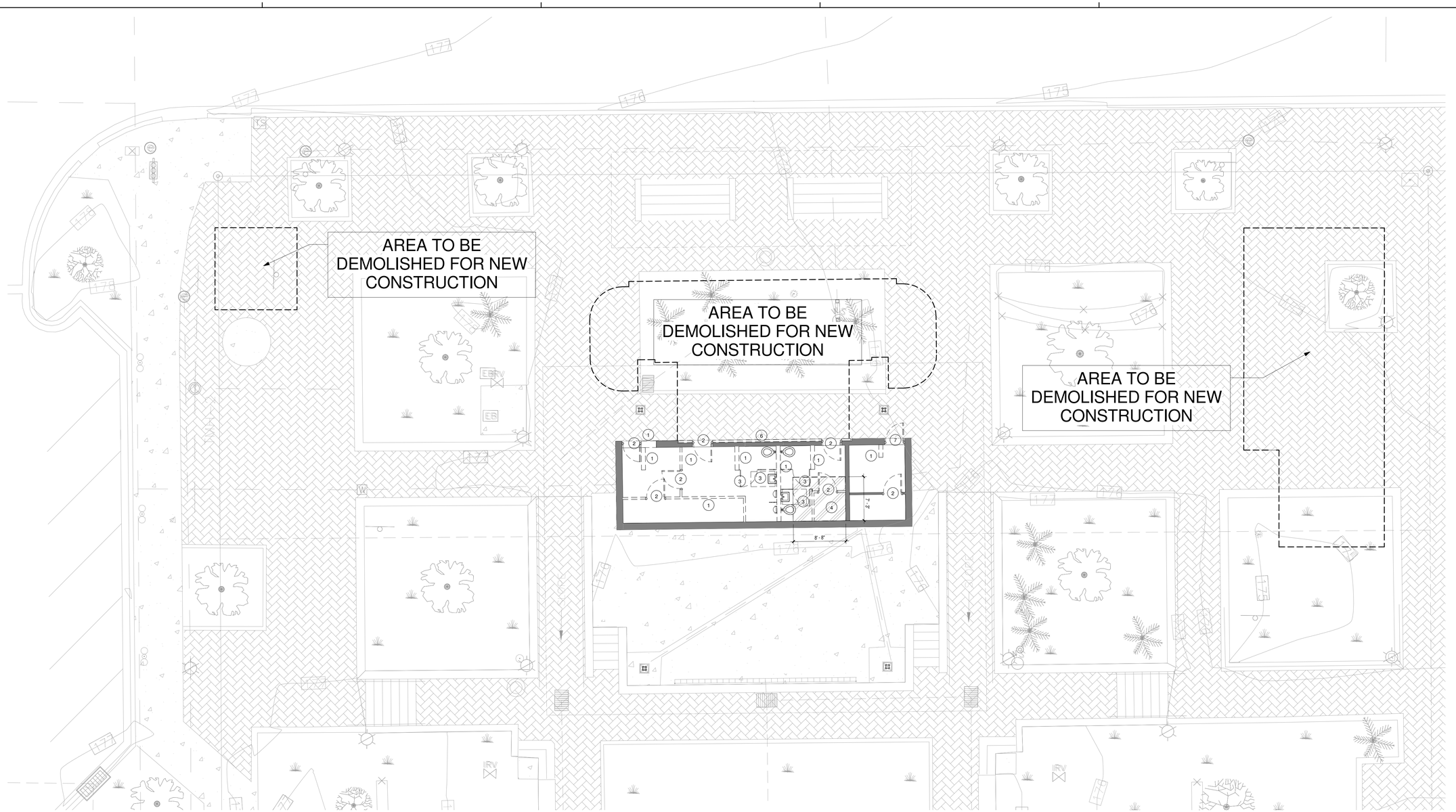
Date:
FEBRUARY 6, 2015

WSE Project No.:
13018

Drawing No.
S3.02

Project Number
11/07/2014

CONSTRUCTION DOCUMENTS



1 Architectural Demo Plan
1/8" = 1'-0"

? DEMOLITION KEYNOTE - INDICATES WHAT TO DO WITH ITEMS TO BE DEMOLISHED

INDICATES EXISTING WALLS TO BE DEMOLISHED

INDICATES EXISTING WALLS TO REMAIN

INDICATES MATERIAL / ASSEMBLIES TO BE DEMOLISHED

INDICATES MATERIAL / ASSEMBLIES TO REMAIN

Room name
101
ROOM NAME
ROOM NUMBER

CONCRETE TO BE DEMOLISHED AND REMOVED / PREPARE FOR NEW CONSTRUCTION

DEMO LEGEND
1/8" = 1'-0"

DEMOLITION NOTES

1. WALL - DEMOLISH / REMOVE AS REQUIRED FOR NEW CONSTRUCTION
2. DOOR AND FRAME - REMOVE / DISCARD & PREPARE FOR NEW CONSTRUCTION
3. PLUMBING - REMOVE / DISCARD ALL PLUMBING FIXTURES, AND TOILET ACCESSORIES AND PREPARE FOR NEW CONSTRCTION
4. PORTION OF CONCRETE SLAB TO BE DEMOLISHED AND REMOVED
5. TOILET PARTITIONS TO BE REMOVED AND DISCARDED
6. BRICK VENEER TO BE REMOVED AND SALVAGED TO PATCH AND REPAIR AREAS THAT WILL NEED BRICK INFILL
7. DOOR - REMOVE / DISCARD (PREPARE FRAME FOR NEW DOOR.

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DOWNTOWN PLAZA RENOVATION PROJECT

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REVISIONS:

No.	Description	Date

DEMOLITION PLAN

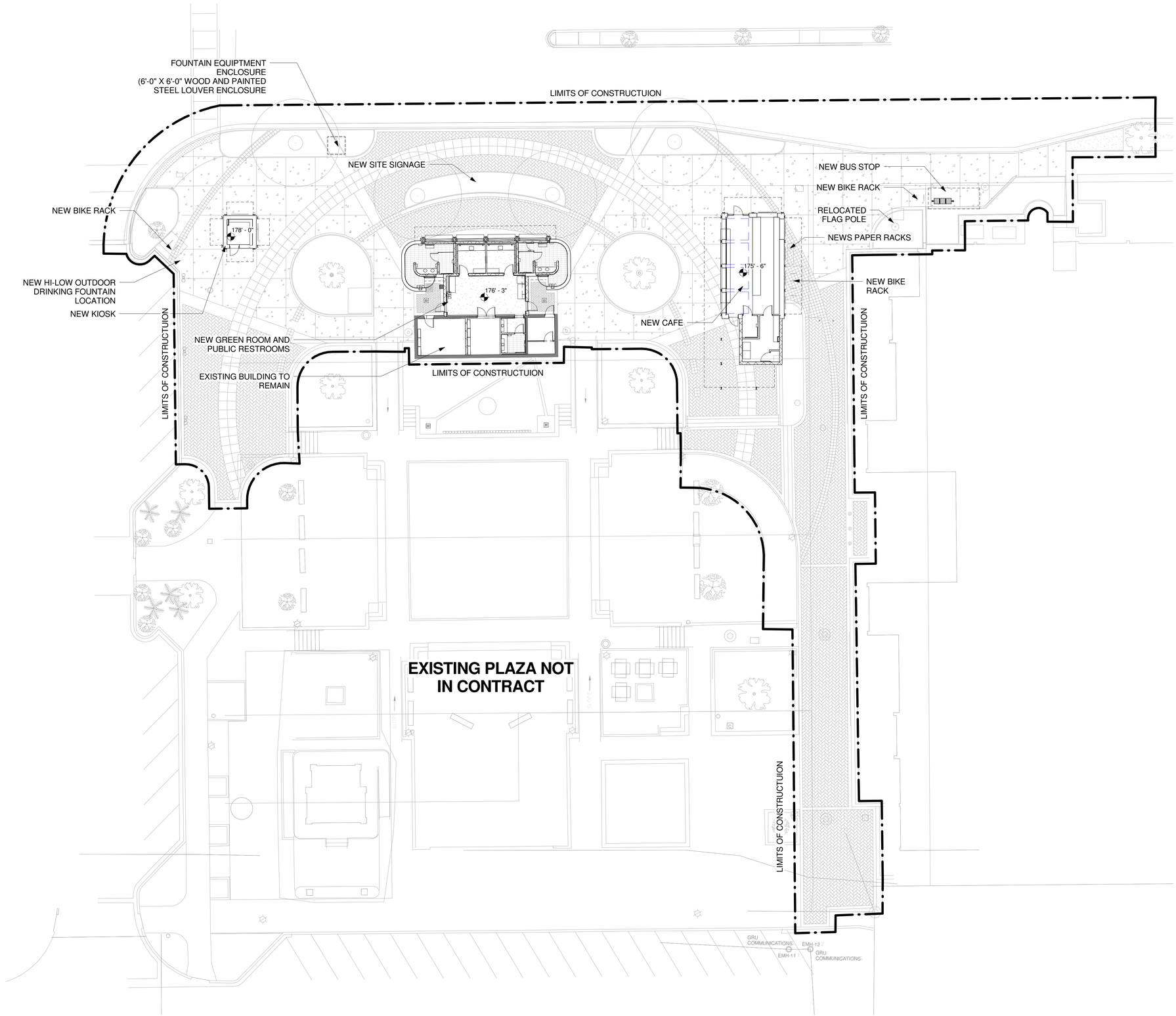
Project number	**Project Number**
Dated	11/07/2014
PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

D101

Scale 1/8" = 1'-0"

Project Number 11/07/2014

CONSTRUCTION DOCUMENTS



1 ARCHITECTURAL SITE PLAN
1/16" = 1'-0"

ADMINISTRATION

APPLICABLE CODES (FBC - CHAPTER 1)

A. FLORIDA BUILDING CODE: BUILDING (FBC-B) 2010 EDITION
B. FLORIDA BUILDING CODE: FUEL GAS (FBC-FG) 2010 EDITION
C. FLORIDA BUILDING CODE: MECHANICAL (FBC-M) 2010 EDITION
D. FLORIDA BUILDING CODE: PLUMBING (FBC-P) 2010 EDITION
E. FLORIDA FIRE PREVENTION CODE (FFPC) 2010 EDITION
F. NATIONAL ELECTRICAL CODE (NEC) 2010 EDITION
G. LIFE SAFETY: NFPA101 2012 EDITION
H. FLORIDA BUILDING CODE: ACCESIBILITY (FBC-A) 2010 EDITION

OCCUPANCY CLASSIFICATIONS

PRIMARY OCCUPANCY: B & M BUISNESS & MERCANTILE

CLASSIFICATION (FBC - CHAPTER 3)	FUNCTION (FBC - TABLE 1004.1.1)	OCCUPANT LOAD (FBC - TABLE 1004.1.1)
FUNCTION OF SPACE	CAFE (A2 LESS THAT 50 OCCUPANTS) = (MERCANTILE)	30 SF PER PERSON
	KIOSK (BUISNESS)	300 SF PER PERSON
	GREEN ROOM (BUSINESS)	100 SF PER PERSON

(FBC - CHAPTER 3)

CAFE (MERCANTILE)	315 SF / 15	21 OCCUPANTS
GREEN ROOM (BUISNESS)		31 OCCUPANTS
GREEN ROOM (ASSEMBLY)	354 / 15	24 OCCUPANTS
SUPPORT SPACES (BUISNESS)	667 / 100	7 OCCUPANTS
KIOSK (BUSINESS)	134 / 100	2 OCCUPANTS

BUILDING DATA

CONSTRUCTION TYPE	TYPE IIB
WIND LOAD	
BASIC WIND SPEED (S-SECOND GUST)	141 MPH
RISK CATAGORY II	

BUILDING AREAS

ACTUAL AREA		ALLOWABLE AREA	TABLE 503
SALES	2,048		
OFFICE	102	GROUP M TYPE IIB CONSTRUCTION	
SERVICE ALCOVE	210	12,500	
TOTAL	**???**		

BUILDING HEIGHTS

ACTUAL HEIGHTS		ALLOWABLE HEIGHTS	TABLE 503
1 STORY	22'-0"	TYPE IIB GROUP (M) 2 STORIES 55'-0" ALLOWABLE	

FIRE RESISTANCE RATINGS

BUILDING ELEMENTS	(FBC TABLE 601) TYPE IIB RATING (HRS)
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS	0
NON-BEARING WALLS INTERIOR	0
FLOOR CONSTRUCTION	0
ROOF CONSTRUCTION	0

FIRE PROTECTION SYSTEMS

(FBC - CHAPTER 9) (FBC - 903.2.7

AUTOMATIC FIRE SPRINKLER REQUIRED NO

GROUP M -AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED THROUGHOUT BUILDINGS CONTAINING A GROUP M OCCUPANCY WHERE ONE OF THE FOLLOWING CONDITIONS EXITS:

1.	A GROUP M FIRE AREA EXCEEDS 12,000 SF.	NO
2.	A GROUP M FIRE AREA IS LOCATED MORE THAN 3 STORIES ABOVE GRADE	NO
3.	THE COMBINED AREA OF ALL GROUP M FIRE AREAS ON FLOORS, INCLUDING ANY MEZZANINES EXCEEDS 24,000 SF.	NO
4.	A GROUP M OCCUPANCY IS USED FOR THE DISPLAY AND SCALE OF UPHOLSTERED FURNITURE.	NO

PORTABLE FIRE EXTINGUISHERS

(FBC - CHAPTER 9) (FBC - 906.1)

PORTABLE FIRE EXTINGUISHERS:
PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS.

1. IN NEW AND EXISTING GROUP A, B, C, D, E, F, H, I, M, R-1, R-2, R-4 AND S OCCUPANCIES.

FIRE EXTINGUISHERS FOR CLASS A FIRE HAZARD (TABLE 906.3(1))

ORDINARY HAZARD OCCUPANCY
MAXIMUM TRAVEL DISTANCE TO FIRE EXTINGUISHER 75 FEET / 1,500 SF

MAX ALLOWABLE FLAMMABLE AND NONFLAMMABLE LIQUID

(FBC - CHAPTER 4) (FBC - TABLE 414.2.5(2))

TYPE OF LIQUID	MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA
CLASS IC	NONSPRINKLERED 1,600

EXIT TRAVEL DISTANCE

(FBC - CHAPTER 10) (FBC - TABLE 1016.1)

ACTUAL MAX TRAVEL DISTANCE	MAX ALLOWABLE TRAVEL DISTANCE
52'-0" FEET	NONSPRINKLERED GROUP M OCCUPANCY 100 FEET

EGRESS WIDTH PER OCCUPANT (TABLE 1005.1 FBC-B:

STAIRWAYS	N/A
OTHER EGRESS COMPONENTS	.2 INCHES PER OCCUPANT
MAXIMUM COMMON PATH OF TRAVEL=	75 FEET (SECTION 1013.3 FBC-B)
MAXIMUM DEAD END CORRIDOR =	20 FEET (SECTION 1016.3 FBC-B)
MINIMUM NUMBER OF EXITS =	2 MEANS OF EGRESS

PLUMBING CALCULATIONS

CLASSIFICATION	(FBC-PLUMBING TABLE 403.1)		
MERCANTILE/BUISNESS	WATER CLOSETS	LAVATORIES	FOUNTAINS
OCCUPANCY (M) / (B)	1 PER 500	1 PER 750	1 PER 1,000
MALE	1	1	1
FEMALE			

CODE REIVEW
1/8" = 1'-0"

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CONSTRUCTION DOCUMENTS

GAINESVILLE COMMUNITY DEVELOPEMENT AGENCY

DOWNTOWN PLAZA RENOVATION PROJECT

111 E University Ave, Gainesville, FL 32601

REVISIONS:

No.	Description	Date

ARCHITECTURAL SITE PLAN & CODE REVIEW

Project number	**Project Number**
Dated	11/07/2014
PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

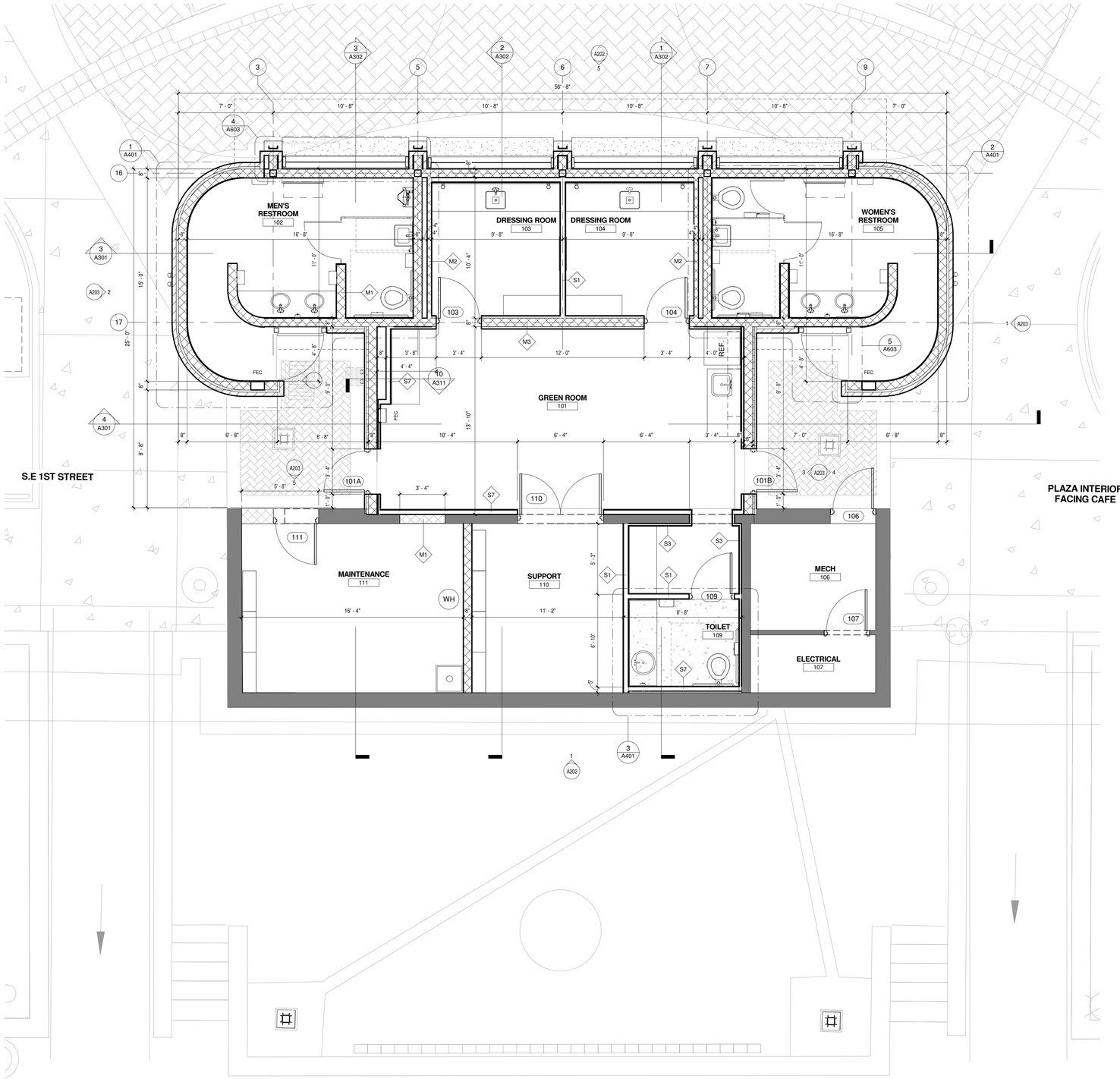
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Scale As indicated

Project Number 11/07/2014

CONSTRUCTION DOCUMENTS

UNIVERSITY AVENUE



N

1 GREEN ROOM - FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES:

1. RENOVATED EXISTING BUILDING - INSPECT EACH ROOM AND REPAIR DAMAGED WALLS, DAMAGED DOORS, AND DAMAGED WINDOWS AS REQUIRED FOR NEW FINISHES INSTALLED UNDER THIS CONTRACT.

2. RENOVATED EXISTING BUILDING - LOCATE ALL ABANDONED FLOOR AND WALL DEVICES. PATCH AND FLUSH-OUT ALL WALL OPENINGS WITH ADJACENT SURFACES OR INSTALL SOLID COVERS. ALL OPENINGS FROM ABANDONED FLOOR ITEMS SHALL BE INFILL WITH CONCRETE AND FLUSHED-OUT WITH EXISTING FLOOR BEFORE INSTALLING NEW FLOOR FINISH.

3. CAFE - FOOD PREPERATION AREA, CONCRETE SLAB IN THAT AREA, ADJACENT WALL, AND FLOORING MATERIAL FINISH ON CONCRETE IN THE DIS NOT IN CONTRACT.

ROOM TAG — Room name / 101 — ROOM NAME; ROOM NUMBER

DOOR TAG — XX-XXX — DOOR NUMBER

WINDOW / HOLLOW METAL TAG — 1\ — WINDOW TYPE

KEYNOTE TAG — ? — KEYNOTE ID

NOTE TAG — Note ? — NOTE ID

WALL TAG — 1\ — WALL TYPE

DETAIL TAG — 1 / A101 / SIM — DETAIL NUMBER; SIMILAR DESIGNATION; SHEET NUMBER

SECTION TAG — 1 / A101 / SIM — DETAIL NUMBER; SIMILAR DESIGNATION; SHEET NUMBER

ELEVATION TAG — 1 / A101 / 1 / 1 — REFERENCE NUMBER; SHEET NUMBER

WALLS — NEW WALL

WALLS — EXISTING WALL TO REMAIN

FLOOR — NEW FLOOR SLAB

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

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CONSTRUCTION DOCUMENTS

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DOWNTOWN PLAZA RENOVATION PROJECT

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REVISIONS:

No.	Description	Date

GREEN ROOM FLOOR PLAN

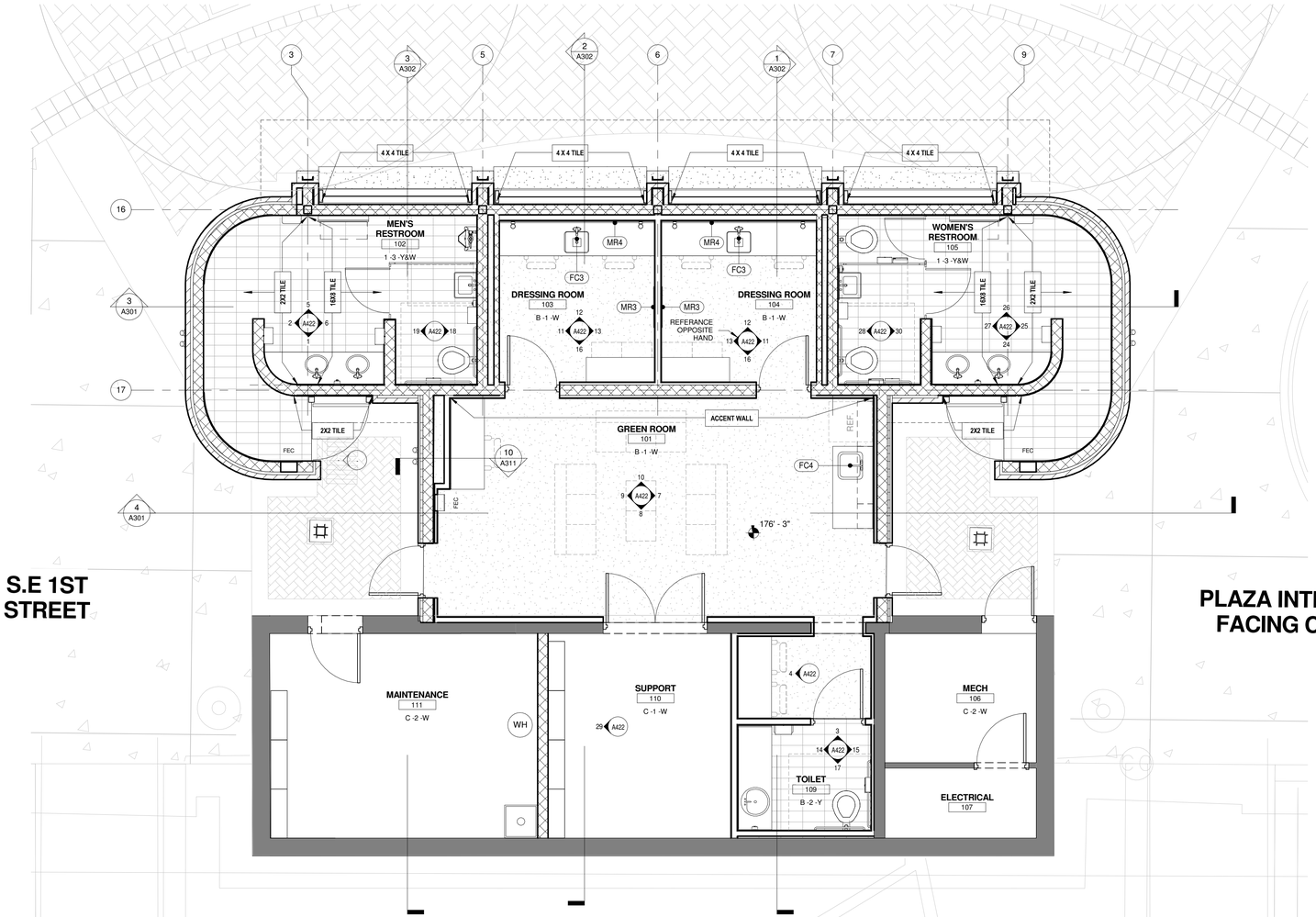
Project number	**Project Number**
Dated	11/07/2014
PIC	PB
PM	KFG
Drawn by	KFG
Checked by	PB

A101.1

Scale 1/4" = 1'-0"

Project Number
11/07/2014
CONSTRUCTION DOCUMENTS

UNIVERSITY AVENUE



S.E 1ST STREET

PLAZA INTERIOR FACING CAFE

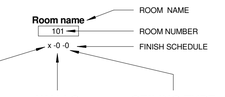
INTERIOR PLAZA SIDE

1 GREEN ROOM - FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES

1. ALL NON-TILED DRYWALL SURFACES IN RESTROOMS SHALL BE MOISTURE RESISTANT, AND EPOXY PAINTED.
2. EPOXY PAINT IN ALL BATHROOMS, KITCHENS, AND JANITORS CLOSETS.
3. ALL WALLS TO BE PAINTED P-1 U.N.O.
4. ALL CEILINGS AND SOFFITS TO BE PAINTED P-2 U.N.O.

ROOM LEGEND

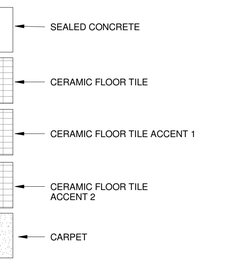


FLOOR / BASE
- A. CARPET / RUBBER BASE
- B. CERAMIC TILE / TILE BASE
- C. SEALED CONCRETE

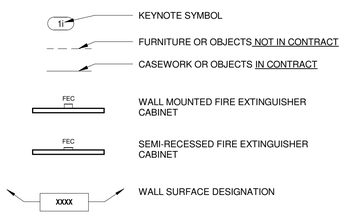
WALLS
- 1. PAINTED
- 2. EPOXY PAINTED
- 3. FULL HEIGHT TILE

CEILING TYPE
- Z. SUSPENDED 2x2 ACOUSTICAL PANEL
- Y. SUSPENDED PAINTED GYPSUM BOARD
- X. SUSPENDED 2x2 MOISTURE RESISTANT CELING PANEL

MATERIAL LEGEND



SYMBOLS LEGEND



FFE LEGEND
1/8" = 1'-0"

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CONSTRUCTION DOCUMENTS

GAINESVILLE COMMUNITY DEVELOPEMENT AGENCY
DOWNTOWN PLAZA RENOVATION PROJECT
111 E University Ave, Gainesville, FL 32601

REVISIONS:

No.	Description	Date

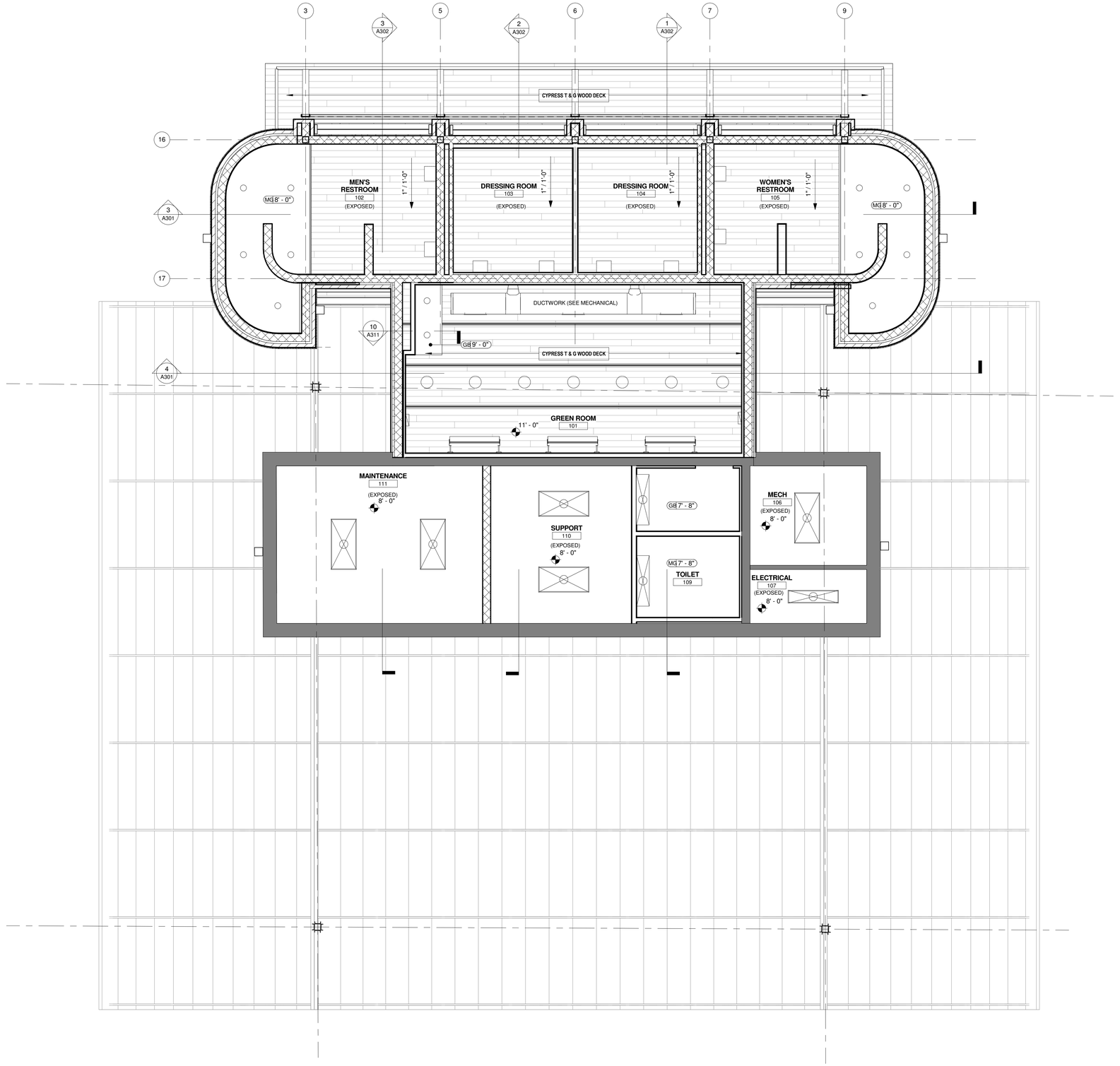
GREEN ROOM FINISH FLOOR PLAN

Project number	**Project Number**
Dated	11/07/2014
PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

A101.2

Scale	As indicated

Project Number
11/07/2014
CONSTRUCTION DOCUMENTS



1 GREEN ROOM RCP
1/4" = 1'-0"

GENERAL NOTES:

1. COORDINATE LOCATION OF MECHANICAL DIFFUSERS, GRILLES, DAMPERS WITH MECHANICAL, ELECTRICAL AND LIFE SAFETY DRAWINGS.
2. SEE LIFE SAFETY DRAWINGS FOR LOCATIONS OF RATED WALL AND FLOOR TO CEILING ASSEMBLIES.
3. CEILING TILE AND GRID ARE TO BE CENTERED IN ROOM TO MATCH PLANS. BE AWARE THAT SOME ROOMS HAVE THE GRID CENTERED IN ONE DIRECTION AND TILE CENTERED IN OTHER DIRECTION. SEE DIRECTION ARROWS ON PLANS AND START THE GRID OR TILE CENTER AT THAT LOCATION IN THE DIRECTION INDICATED.
4. ACCESS DOORS AND FRAMES AS SPECIFIED, SHALL BE PROVIDED BY EACH SUBCONTRACTOR, FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL, IN TYPE, SIZE, LOCATION AND QUANTITIES AS NEEDED WHERE ANY AND ALL OPERABLE AND/OR ADJUSTABLE EQUIPMENT IS LOCATED ABOVE NEW OR EXISTING HARD CEILINGS. THE SUBCONTRACTOR SHALL WORK WITH THE ARCHITECT AND GENERAL CONTRACTOR IN LOCATING ACCESS DOORS FOR BEST POSSIBLE ACCESS.

CEILING TYPES:

TYPE	SYMBOL	DESCRIPTION
AP1		MOISTURE RESISTANT 2'X2' SUSPENDED ACOUSTICAL PANEL AND GRID ASSEMBLY
GB		SUSPENDED GYPSUM BOARD CEILING ASSEMBLY
EXP		EXPOSED
T&G		TONGUE AND GROOVE CYPRESS WOOD DECK

SYMBOLS LEGEND

- A 1'-0" — CEILING FINISH / CEILING HEIGHT
- Room name 101 — ROOM NAME / ROOM NUMBER
- AP — ACCESS PANEL / COORDINATE SIZE AND EXACT LOCATION WITH ARCHITECT
- 2 X 4 FLUORESCENT LIGHT FIXTURE
- S — 2 X 4 FLUORESCENT LIGHT FIXTURE CONNECTED TO EMERGENCY POWER
- SURFACE MOUNTED 1 X 4 FLUORESCENT LIGHT FIXTURE
- S — 1 X 4 FLUORESCENT LIGHT FIXTURE CONNECTED TO EMERGENCY POWER
- S? — WALL TYPE
- AMERITIX VAULT WALL SCONCE
- WALL MOUNTED EXTERIOR LIGHT FIXTURE
- SHARPER WALL SCONCE
- WALL MOUNTED EXIT LUMINAIRE
- ER DOWN LIGHTING
- DOWN LIGHTING
- RETURN AIR
- SUPPLY AIR
- DOWN LIGHTING

RCP LEGEND
1/8" = 1'-0"

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REVISIONS:

No.	Description	Date

GREEN ROOM REFLECTED CEILING PLAN

Project number	**Project Number**
Dated	11/07/2014
PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

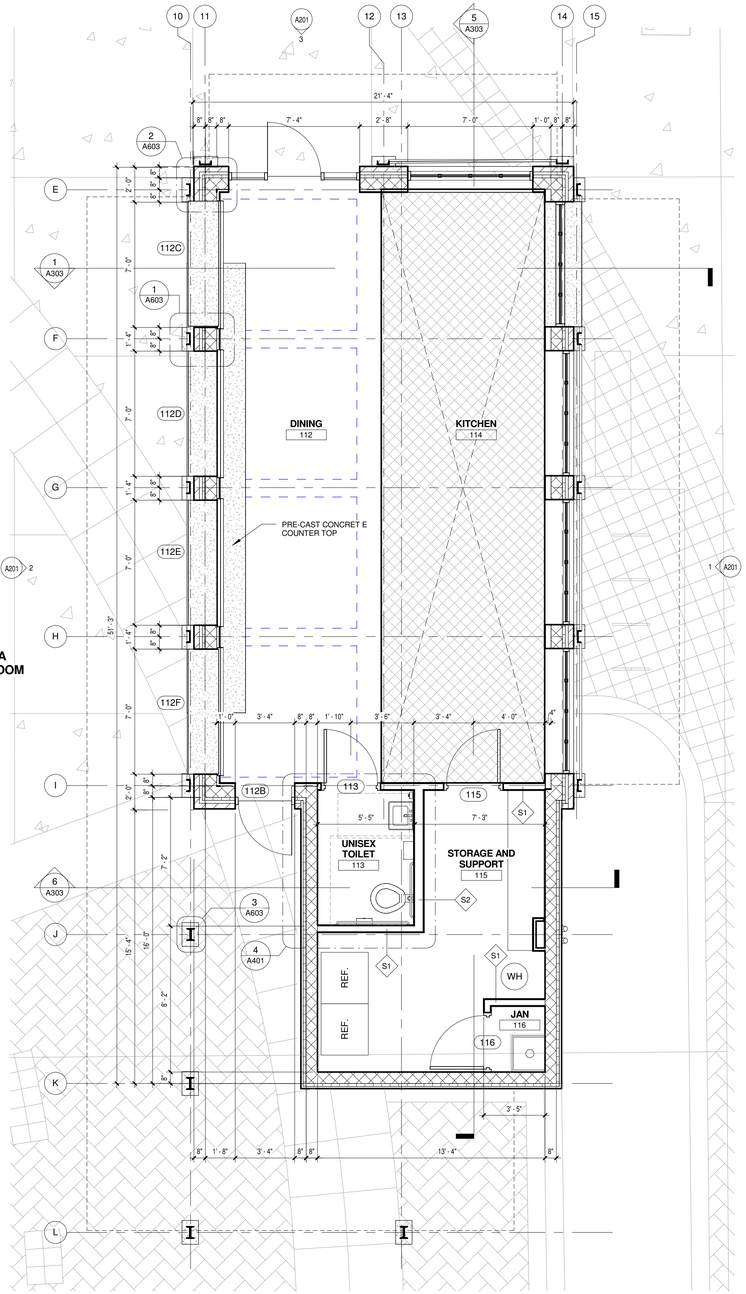
A101.3

Scale	As indicated

Project Number 11/07/2014

CONSTRUCTION DOCUMENTS

UNIVERSITY AVENUE



INTERIOR OF PLAZA
FACING THE GREEN ROOM

S.E 1ST STREET

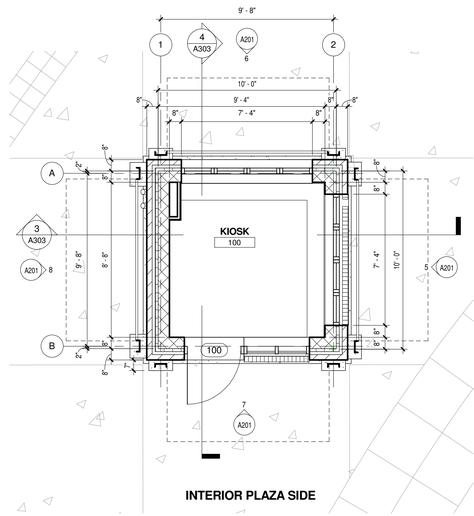
FACING ALACHUA
COUNTY COURTS

INTERIOR PLAZA SIDE

N

2 CAFE - FLOOR PLAN
1/4" = 1'-0"

UNIVERSITY AVENUE



INTERIOR PLAZA SIDE

PLAZA INTERIOR
FACING GREEN ROOM

N

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

GENERAL NOTES:

1. RENOVATED EXISTING BUILDING - INSPECT EACH ROOM AND REPAIR DAMAGED WALLS, DAMAGED DOORS, AND DAMAGED WINDOWS AS REQUIRED FOR NEW FINISHES INSTALLED UNDER THIS CONTRACT.

2. RENOVATED EXISTING BUILDING - LOCATE ALL ABANDONED FLOOR AND WALL DEVICES. PATCH AND FLUSH-OUT ALL WALL OPENINGS WITH ADJACENT SURFACES OR INSTALL SOLID COVERS. ALL OPENINGS FROM ABANDONED FLOOR ITEMS SHALL BE INFILL WITH CONCRETE AND FLUSHED-OUT WITH EXISTING FLOOR BEFORE INSTALLING NEW FLOOR FINISH.

3. CAFE - FOOD PREPERATION AREA, CONCRETE SLAB IN THAT AREA, ADJACENT WALL, AND FLOORING MATERIAL FINISH ON CONCRETE IN THE DIIS NOT IN CONTRACT.

ROOM TAG — Room name / 101 — ROOM NAME / ROOM NUMBER

DOOR TAG — XX-XXX — DOOR NUMBER

WINDOW / HOLLOW METAL TAG — 1i — WINDOW TYPE

KEYNOTE TAG — ? — KEYNOTE ID

NOTE TAG — Note ? — NOTE ID

WALL TAG — 1i — WALL TYPE

DETAIL TAG — 1 / A101 SIM — DETAIL NUMBER / SIMILAR DESIGNATION / SHEET NUMBER

SECTION TAG — 1 / A101 SIM — DETAIL NUMBER / SIMILAR DESIGNATION / SHEET NUMBER

ELEVATION TAG — 1 / A101 / 1 — REFERENCE NUMBER / SHEET NUMBER

WALLS — NEW WALL

WALLS — EXISTING WALL TO REMAIN

FLOOR — NEW FLOOR SLAB

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

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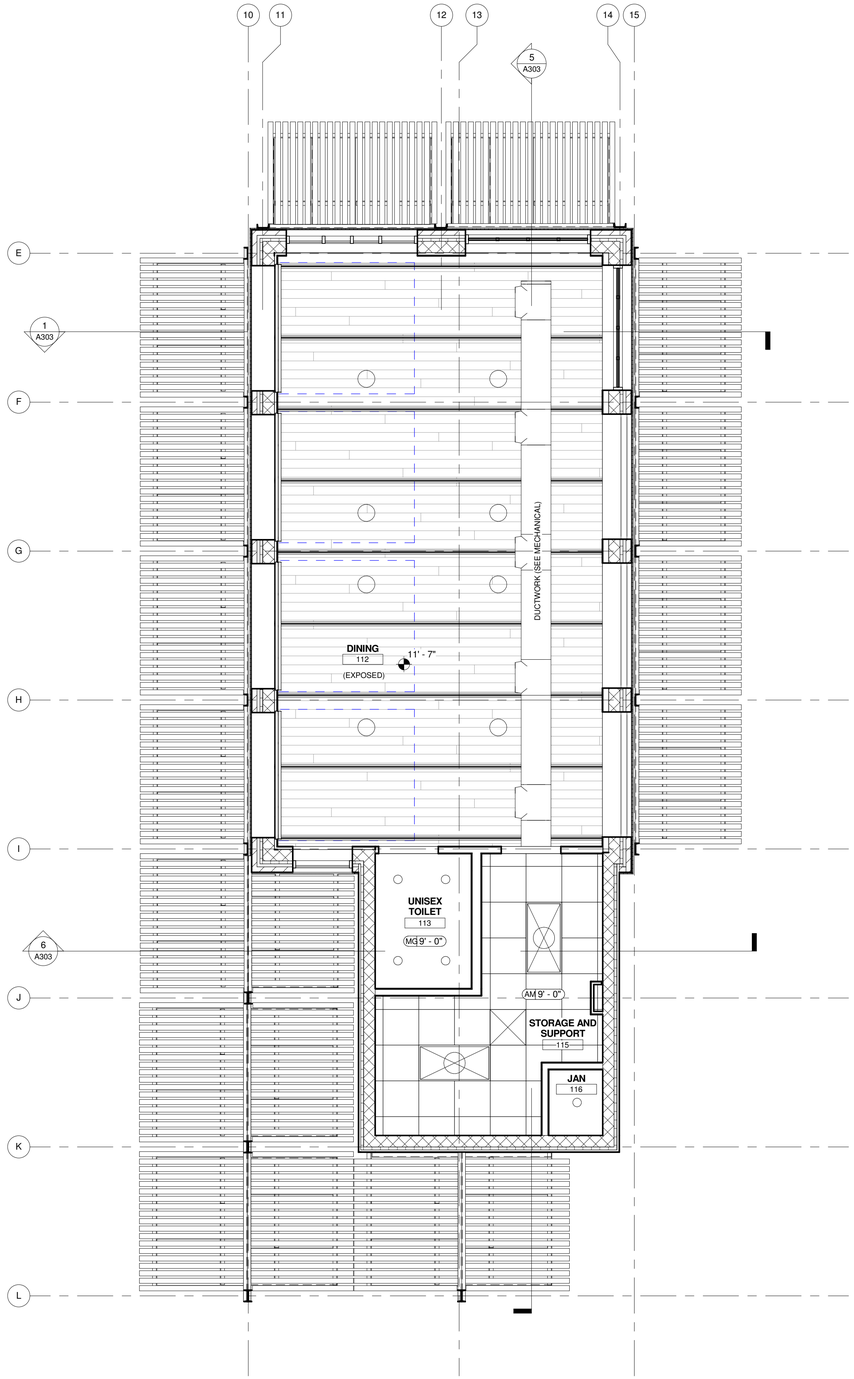
CAFE & KIOSK FLOOR PLAN

Project number	**Project Number**
Dated	11/07/2014
PIC	PB
PM	KFG
Drawn by	KFG
Checked by	PB

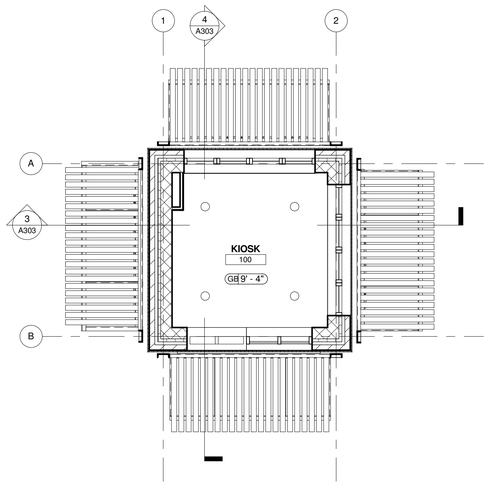
A102.1

Scale 1/4" = 1'-0"

Project Number
11/07/2014
CONSTRUCTION DOCUMENTS



1 CAFE RCP
1/4" = 1'-0"



2 KIOSK RCP
1/4" = 1'-0"

GENERAL NOTES:

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GB		SUSPENDED GYPSUM BOARD CEILING ASSEMBLY
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T&G		TONGUE AND GROOVE CYPRESS WOOD DECK

SYMBOLS LEGEND

- A1 1'-0" — CEILING FINISH / CEILING HEIGHT
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- ER DOWN LIGHTING
- DOWN LIGHTING
- RETURN AIR
- SUPPLY AIR
- DOWN LIGHTING

RCP LEGEND
1/8" = 1'-0"

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REVISIONS:

No.	Description	Date

CAFE & KIOSK REFLECTED CEILING PLAN

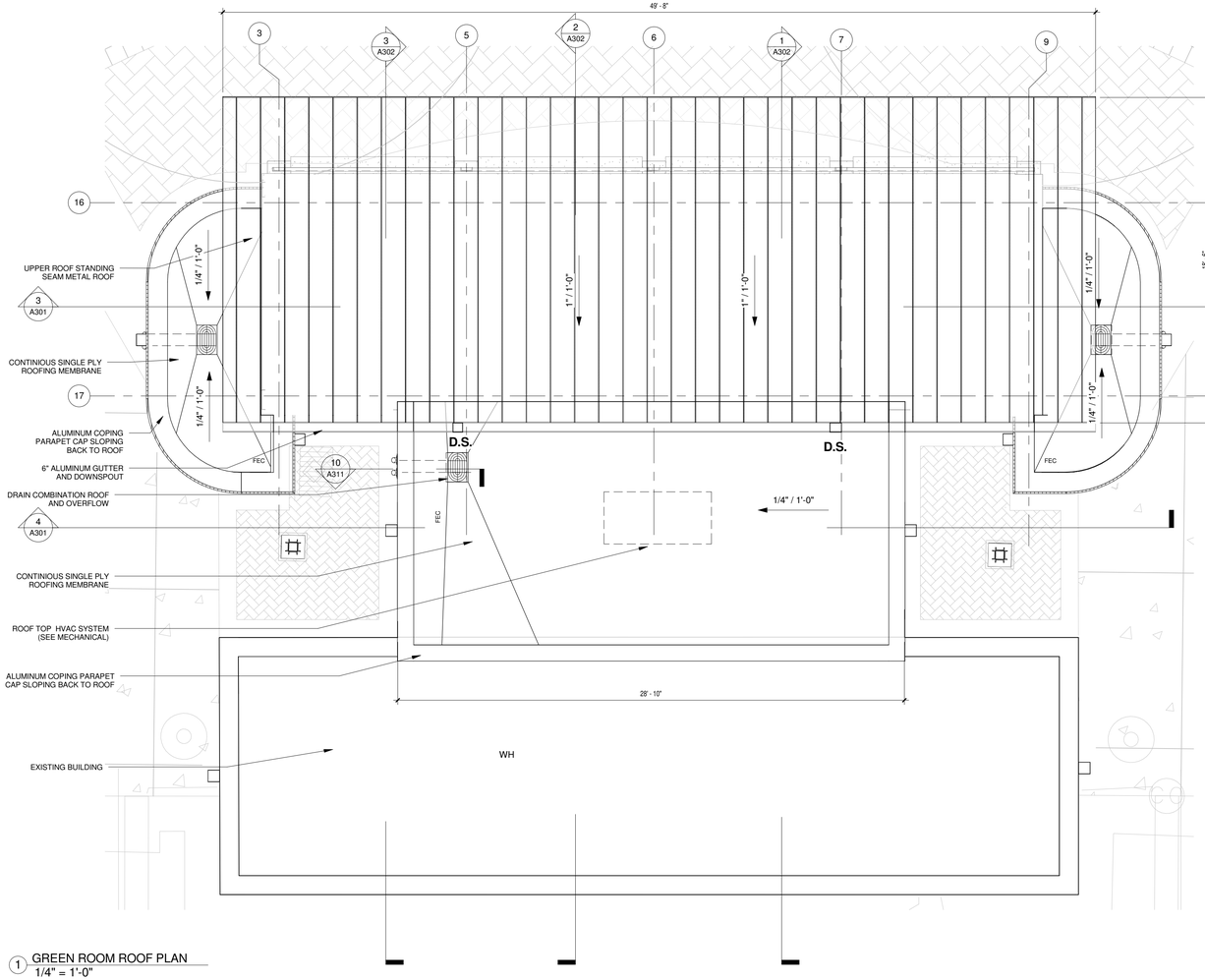
Project number	**Project Number**
Dated	11/07/2014
PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

A102.3

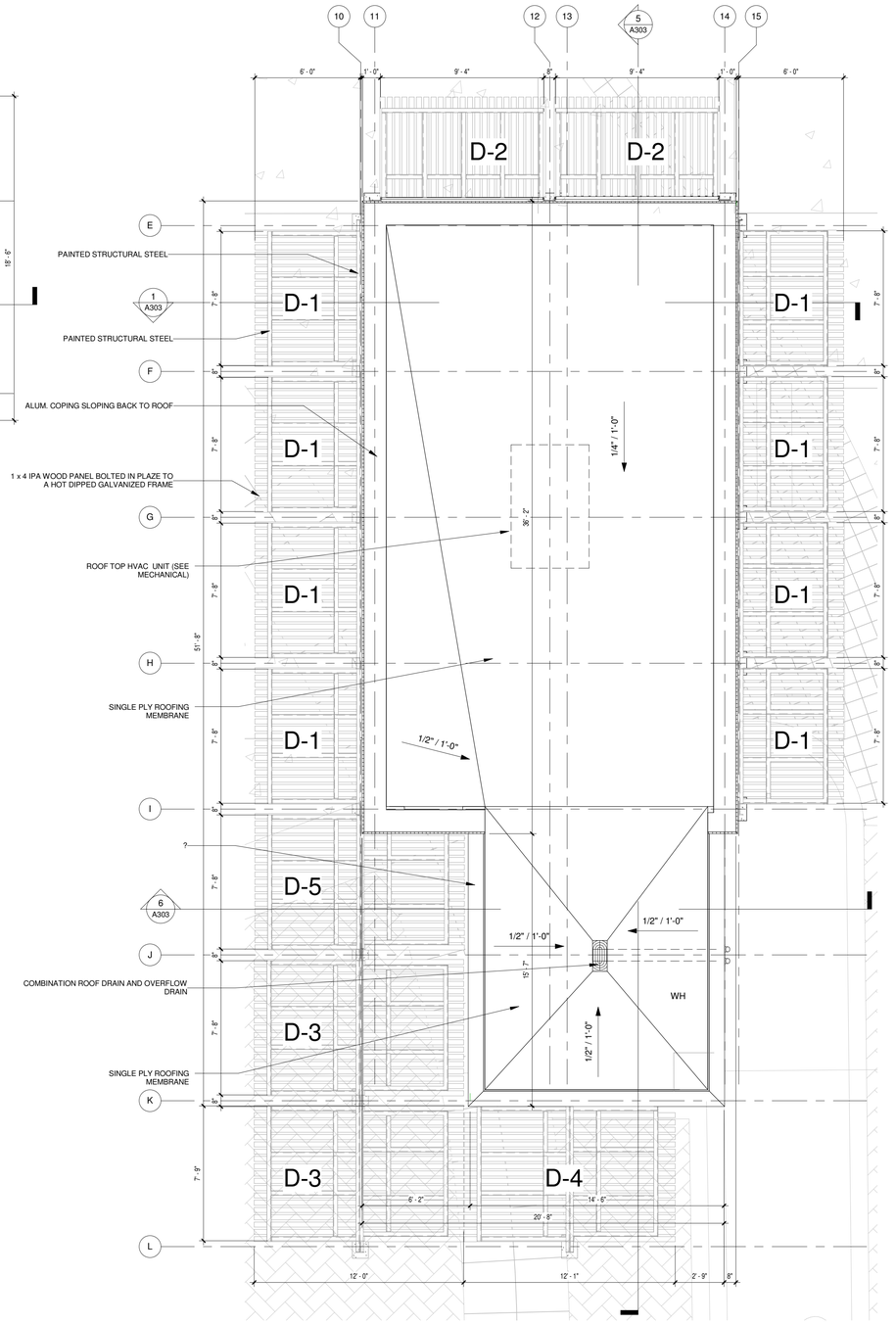
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Project Number 11/07/2014

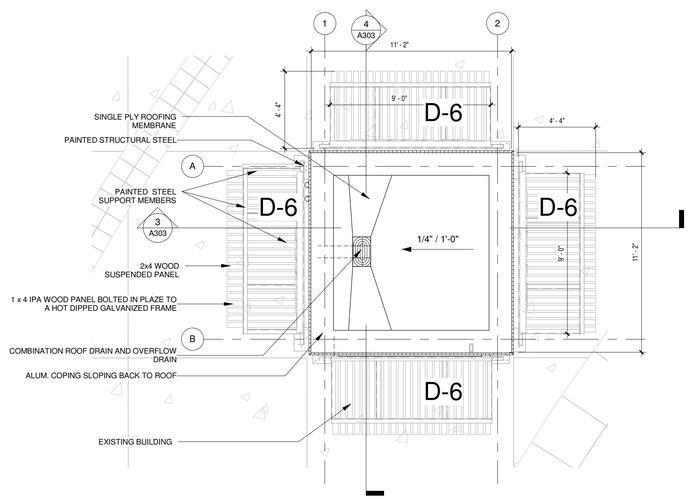
CONSTRUCTION DOCUMENTS



1 GREEN ROOM ROOF PLAN
1/4" = 1'-0"



2 CAFE ROOF PLAN
1/4" = 1'-0"



3 KIOSK ROOF PLAN
1/4" = 1'-0"

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DOWNTOWN PLAZA RENOVATION PROJECT

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REVISIONS:

No.	Description	Date

GREEN ROOM, CAFE & KIOSK ROOF PLAN

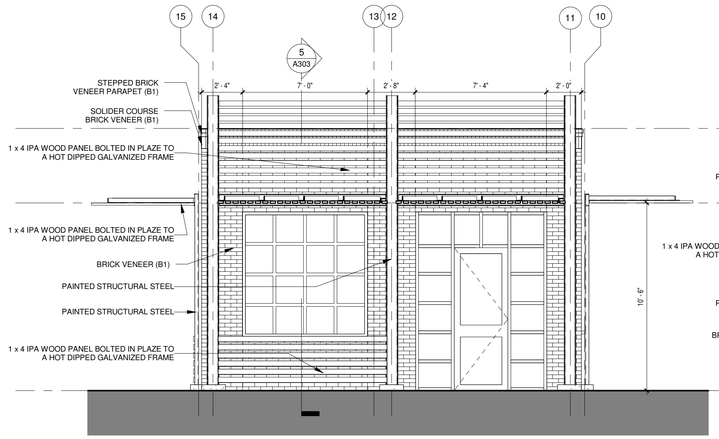
Project number	**Project Number**
Dated	11/07/2014
PIC	PB
PM	KFG
Drawn by	KFG
Checked by	PB

A103

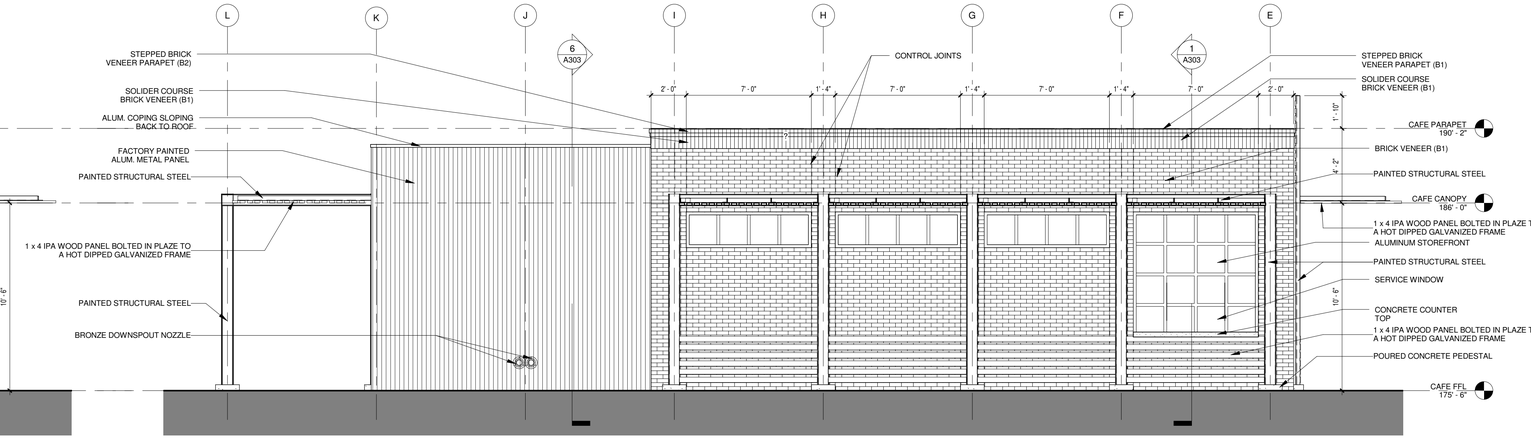
Scale 1/4" = 1'-0"

Project Number 11/07/2014

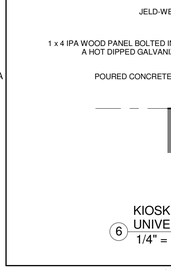
CONSTRUCTION DOCUMENTS



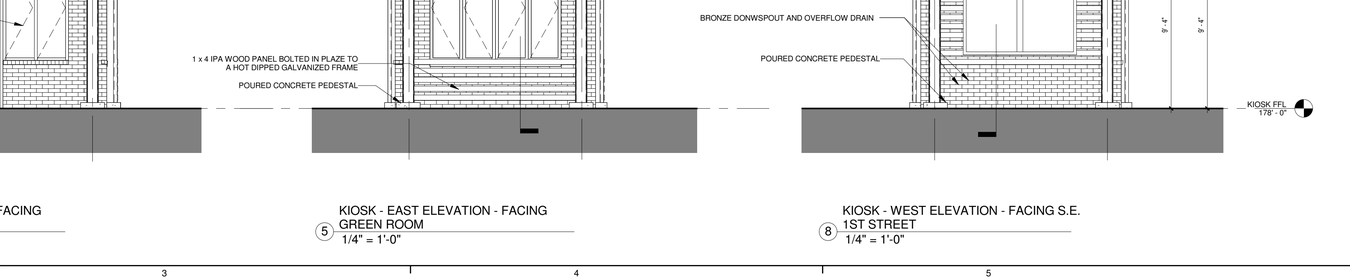
CAFE - NORTH ELEVATION - FACING UNIVERSITY AVE.
3 1/4" = 1'-0"



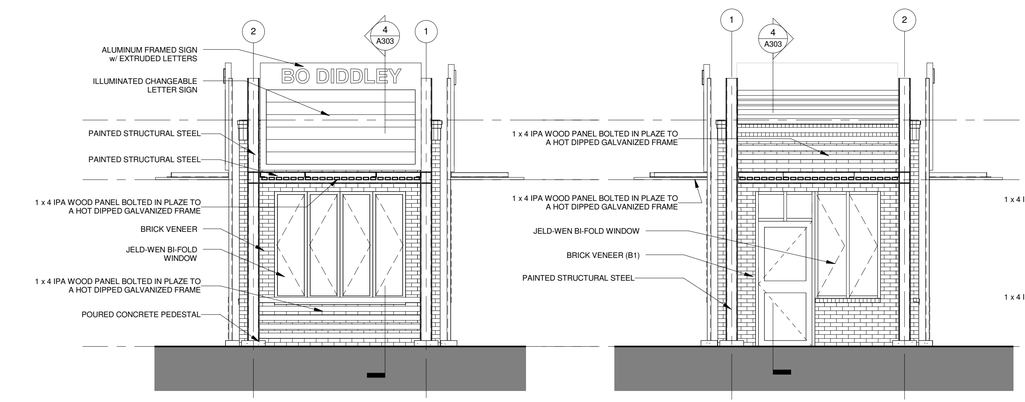
CAFE - EAST ELEVATION - FACING ALACHUA COUNTY COURTS
1 1/4" = 1'-0"



CAFE - SOUTH ELEVATION - FACING INTERIOR OF PLAZA
4 1/4" = 1'-0"

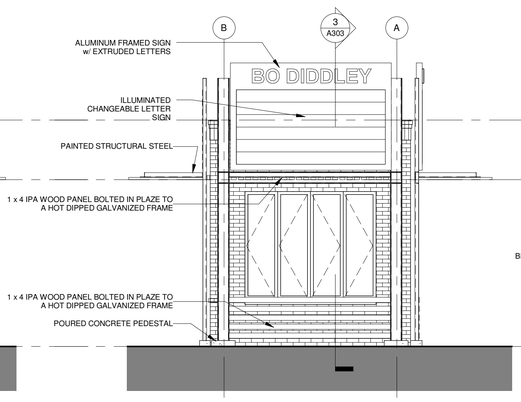


CAFE - WEST ELEVATION - FACING STAGE AND GREEN ROOM
2 1/4" = 1'-0"

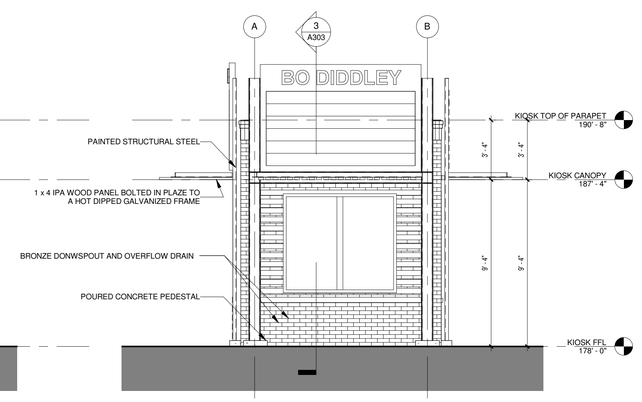


KIOSK - NORTH ELEVATION - FACING UNIVERSITY AVE.
6 1/4" = 1'-0"

KIOSK - SOUTH ELEVATION - FACING INTERIOR OF PLAZA
7 1/4" = 1'-0"



KIOSK - EAST ELEVATION - FACING GREEN ROOM
5 1/4" = 1'-0"



KIOSK - WEST ELEVATION - FACING S.E. 1ST STREET
8 1/4" = 1'-0"

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CONSTRUCTION DOCUMENTS

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DOWNTOWN PLAZA PROJECT

111 E University Ave, Gainesville, FL 32601

REVISIONS:

No.	Description	Date

ELEVATIONS

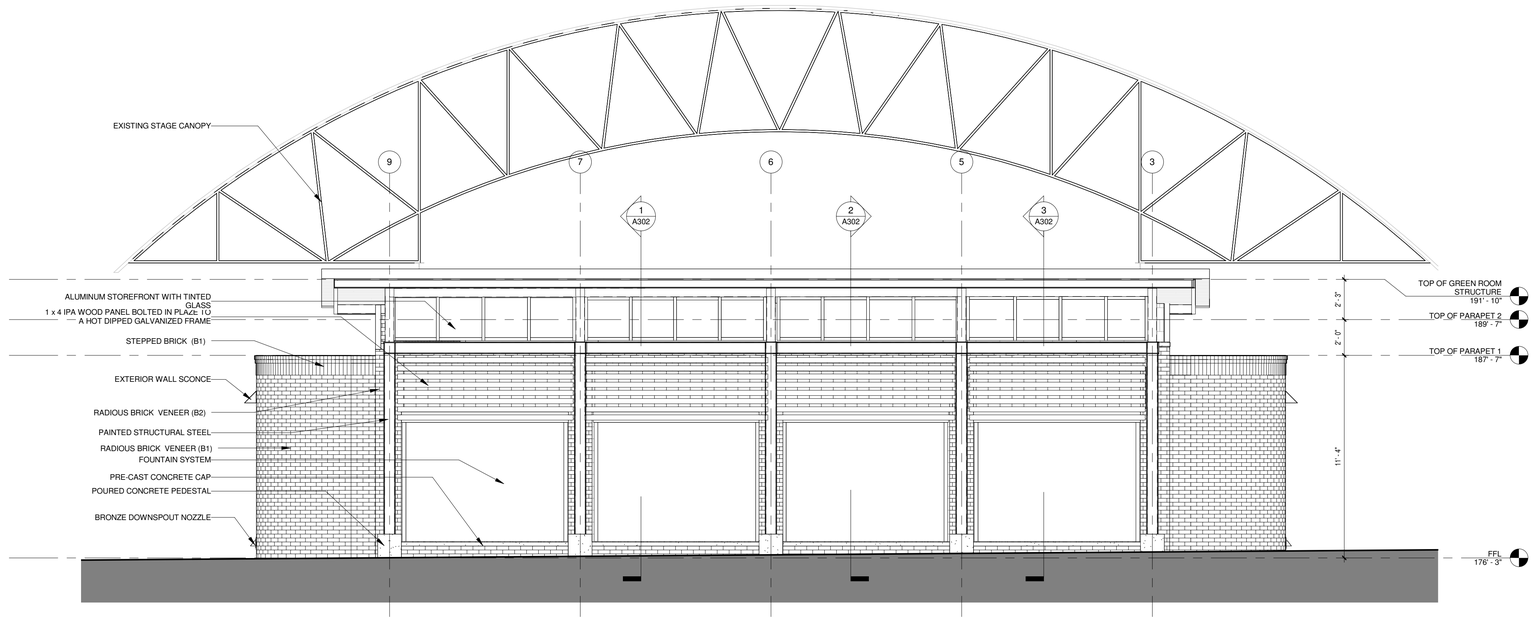
Project number	**Project Number**
Dated	11/07/2014
PIC	PB
PM	KFG
Drawn by	KFG
Checked by	PB

A201

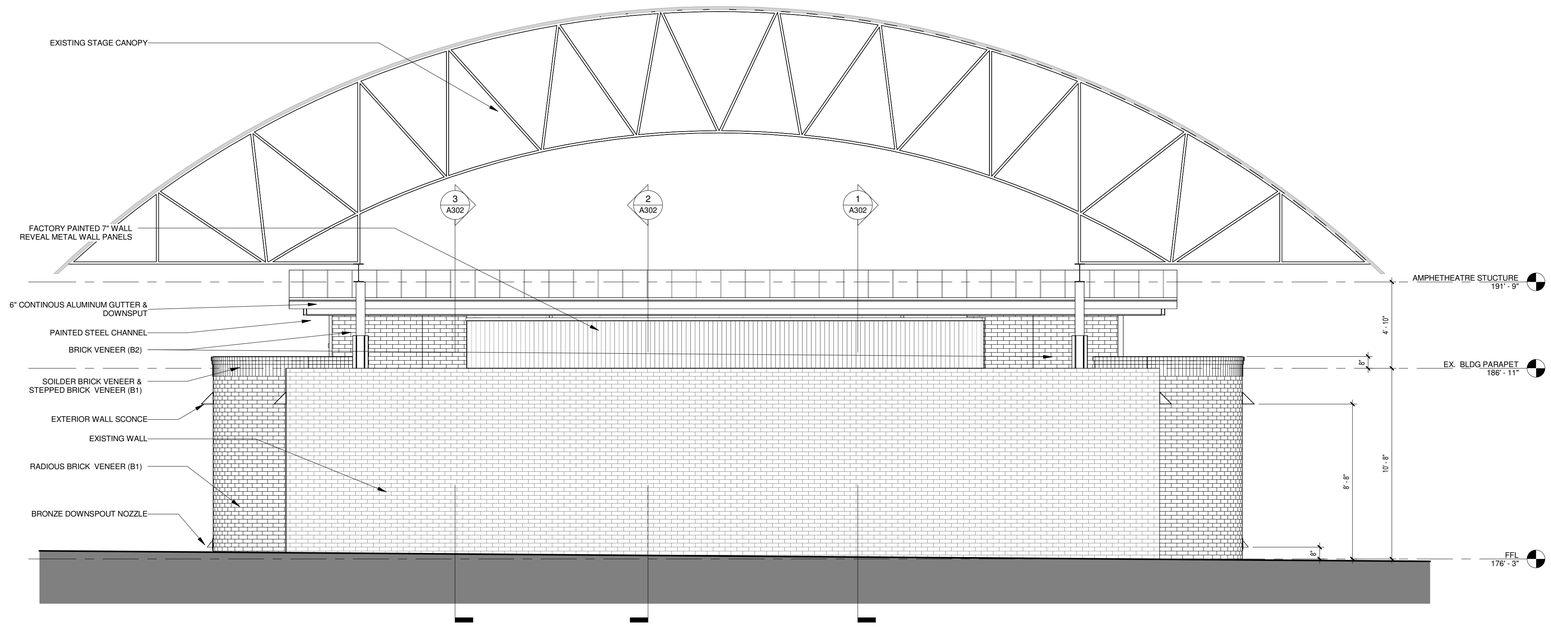
Scale 1/4" = 1'-0"

Project Number
11/07/2014

CONSTRUCTION DOCUMENTS



5 GREEN ROOM - NORTH ELEVATION - FACING UNIVERSITY AVE.
1/4" = 1'-0"



1 GREEN ROOM - NORTH ELEVATION - FACING UNIVERSITY AVE.
1/4" = 1'-0"

B

A

1 2 3 4 5

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DOWNTOWN PLAZA RENOVATION PROJECT

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REVISIONS:

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ELEVATIONS

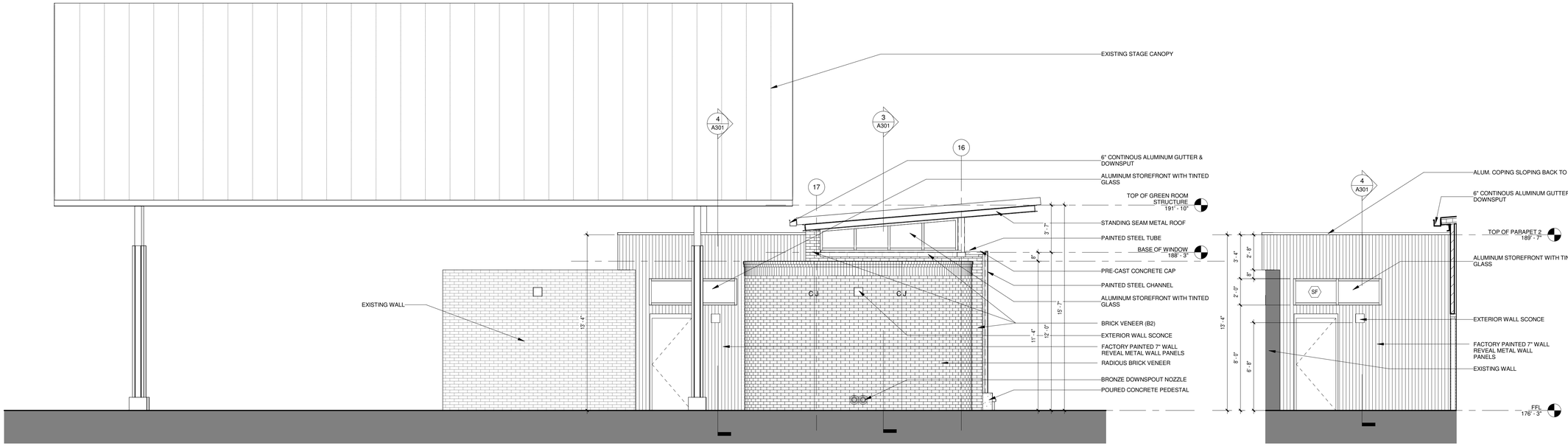
Project number	**Project Number**
Dated	11/07/2014
PIC	PB
PM	KFG
Drawn by	KFG
Checked by	PB

A202

Scale 1/4" = 1'-0"

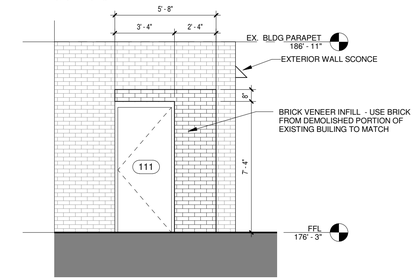
Project Number
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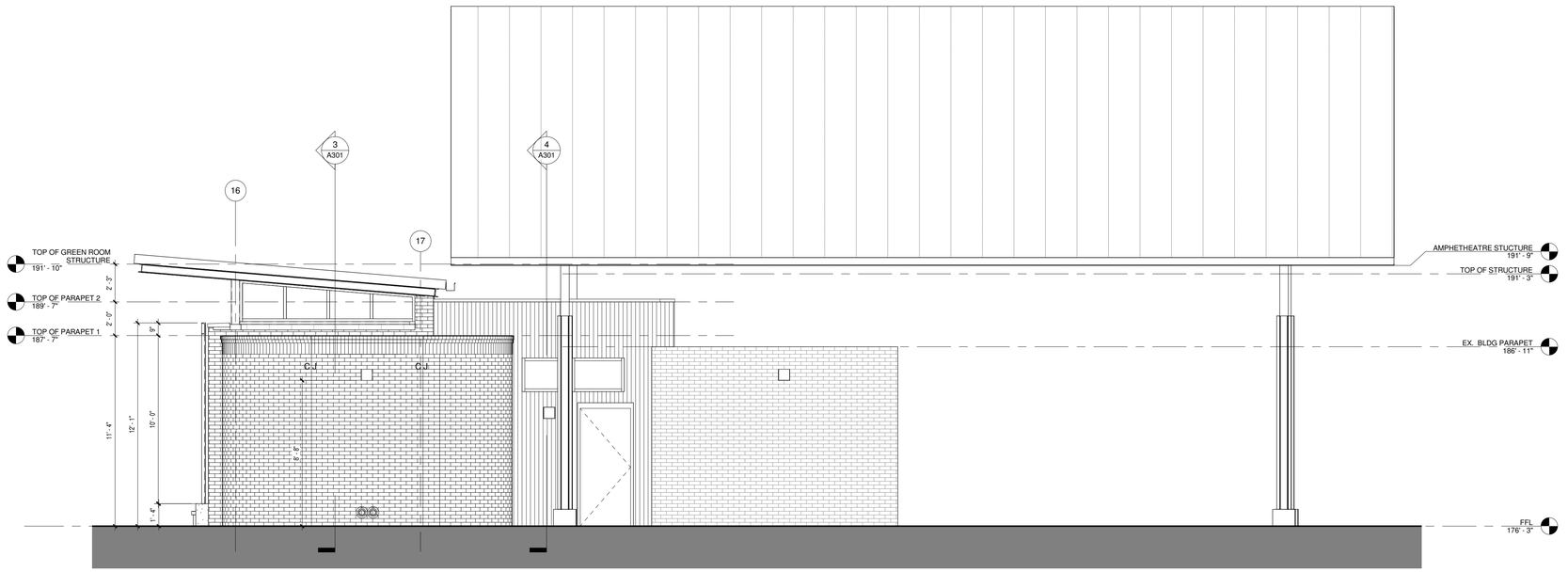


1 ELEVATION
1/4" = 1'-0"

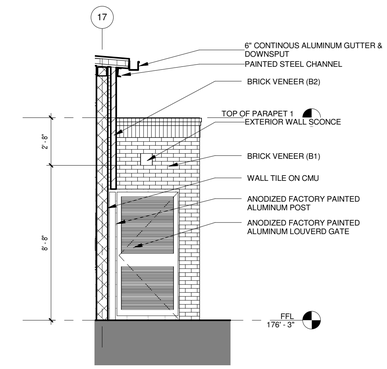
3 ELEVATION
1/4" = 1'-0"



5 Green Room Patch Elevation
1/4" = 1'-0"



2 ELEVATION
1/4" = 1'-0"



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

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No.	Description	Date

ELEVATIONS

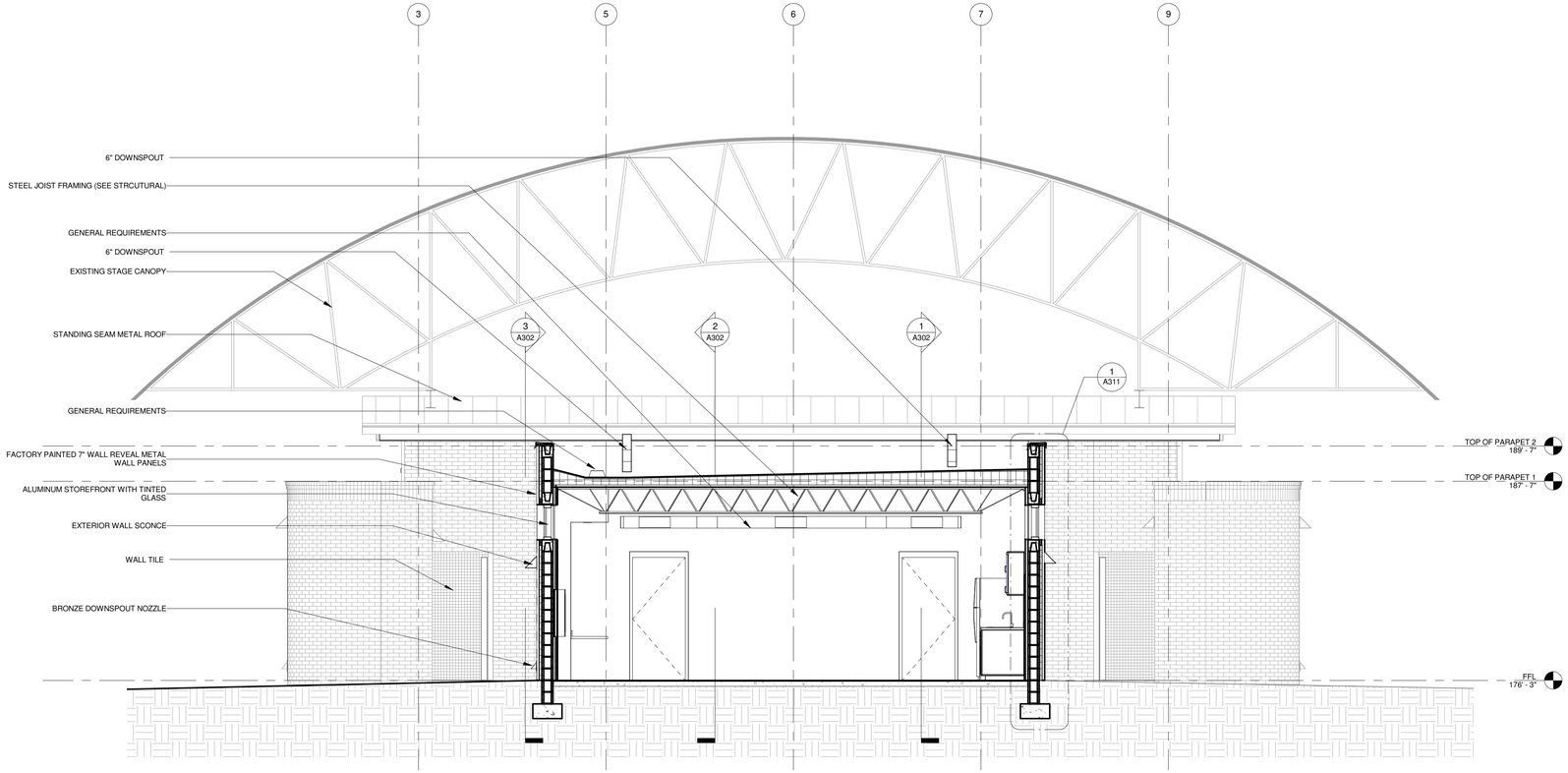
Project number	**Project Number**
Dated	11/07/2014
PIC	PB
PM	KFG
Drawn by	KFG
Checked by	PB

A203

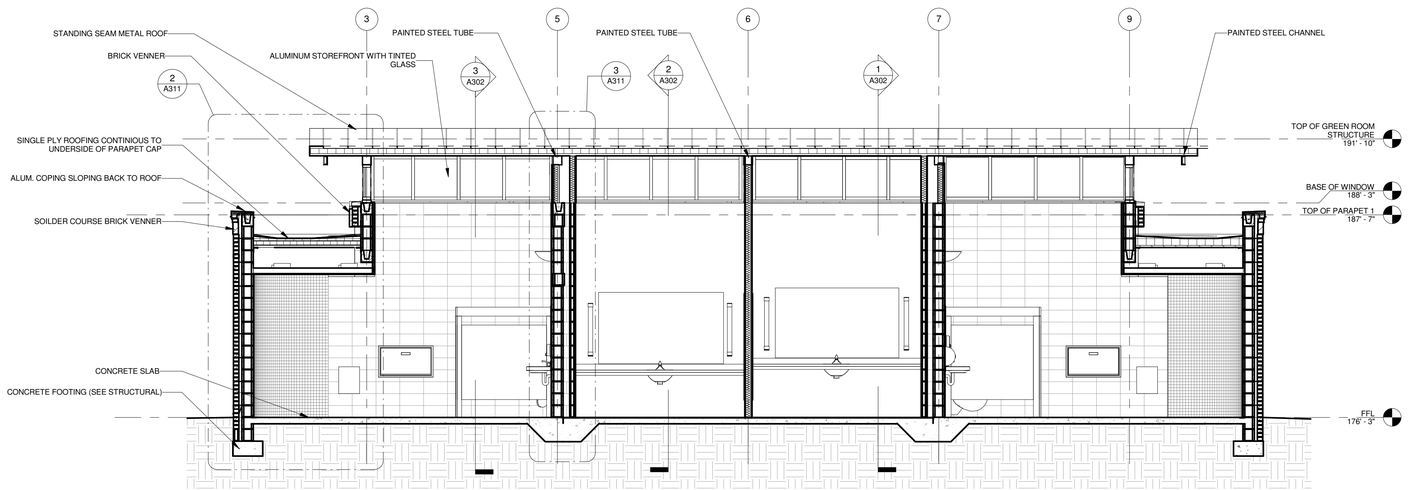
Scale	1/4" = 1'-0"

Project Number
11/07/2014

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4 GREEN ROOM HOR 1
1/4" = 1'-0"



3 GREEN ROOM HOR 2
1/4" = 1'-0"

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REVISIONS:

No.	Description	Date

BUILDING SECTIONS

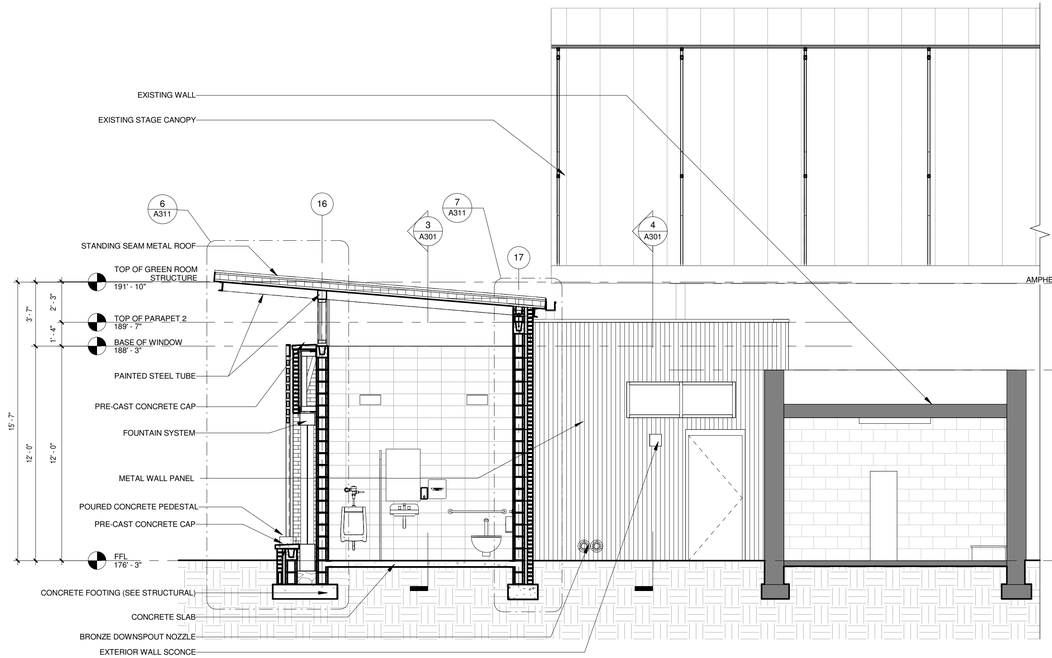
Project number	**Project Number**
Dated	11/07/2014
PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

A301

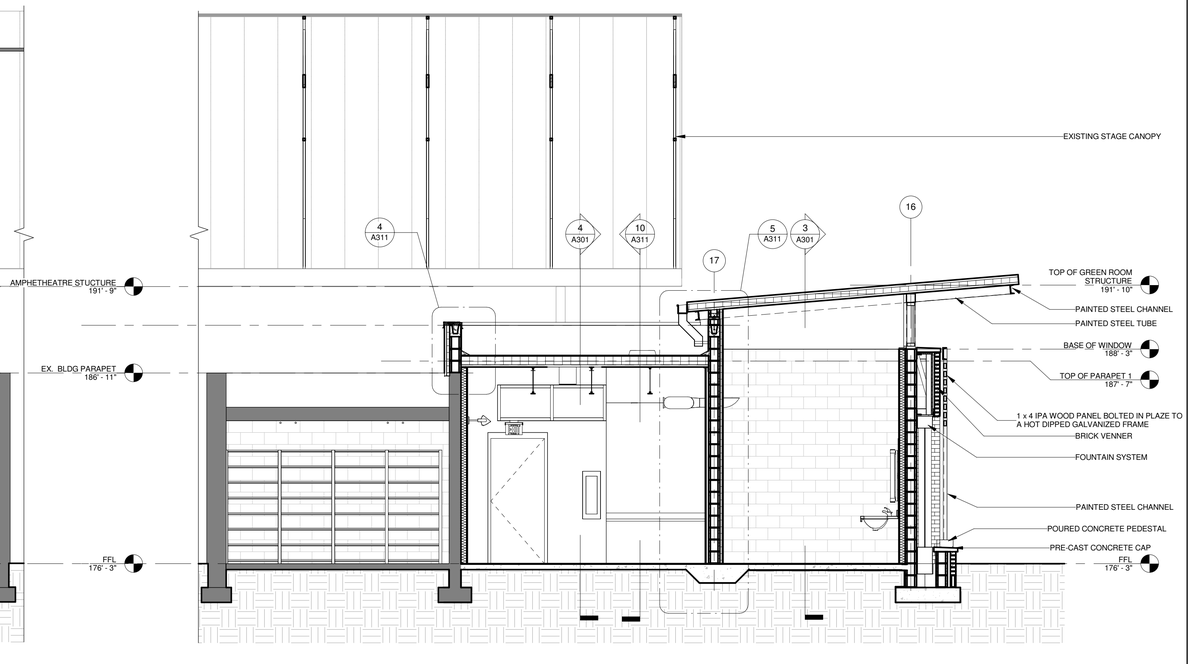
Scale 1/4" = 1'-0"

Project Number
11/07/2014

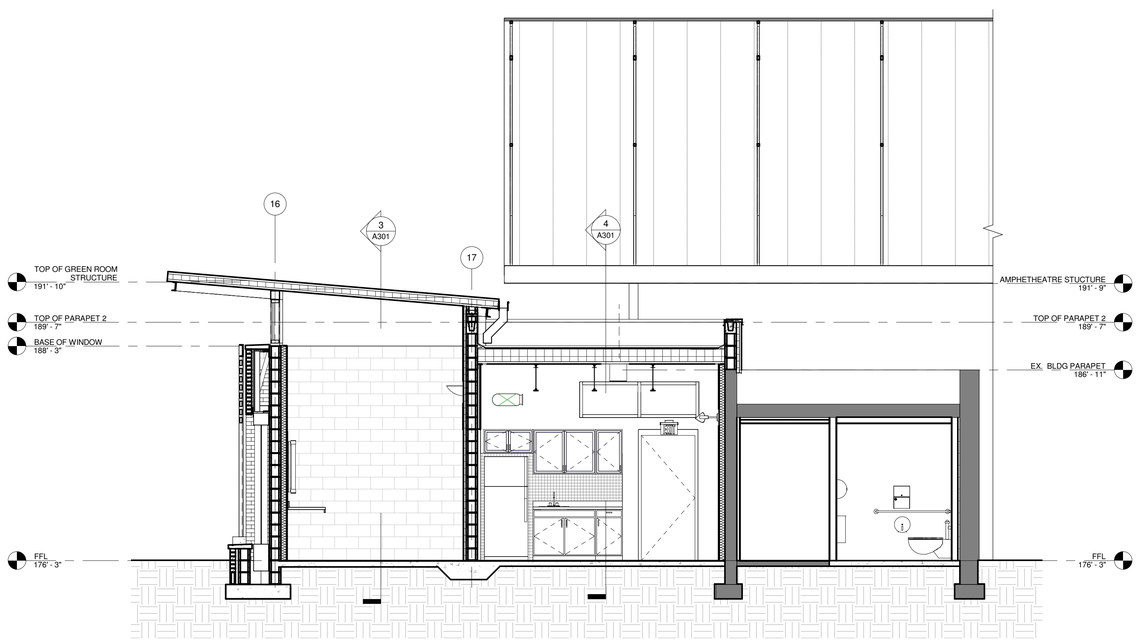
CONSTRUCTION DOCUMENTS



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



2 BUILDING SECTION
1/4" = 1'-0"



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

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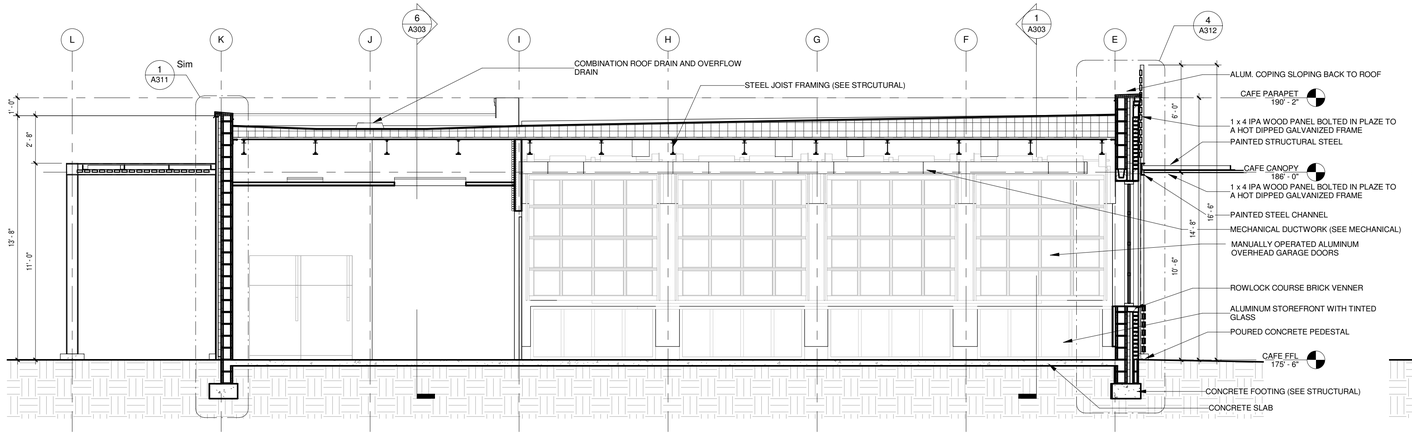
BUILDING SECTION

Project number	**Project Number**
Dated	11/07/2014
PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

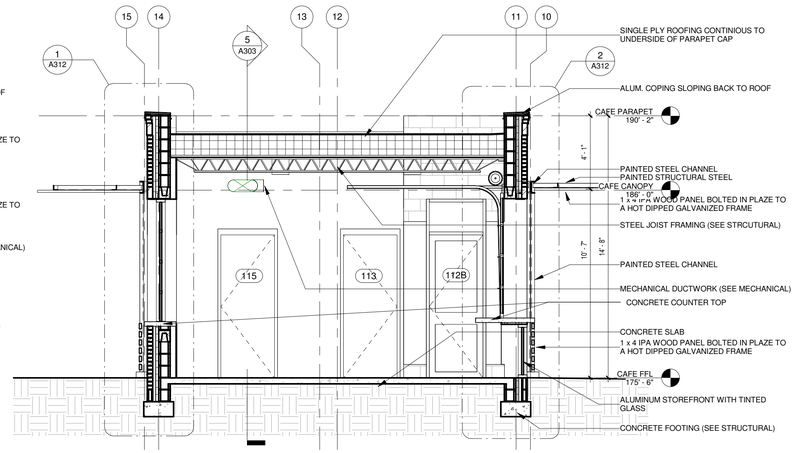
A302

Scale 1/4" = 1'-0"

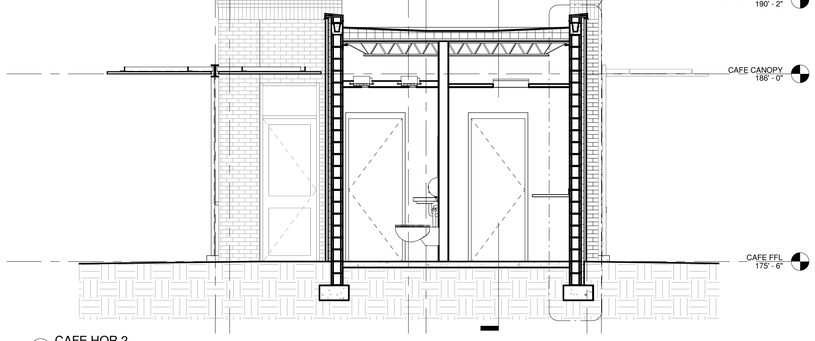
Project Number
11/07/2014
CONSTRUCTION DOCUMENTS



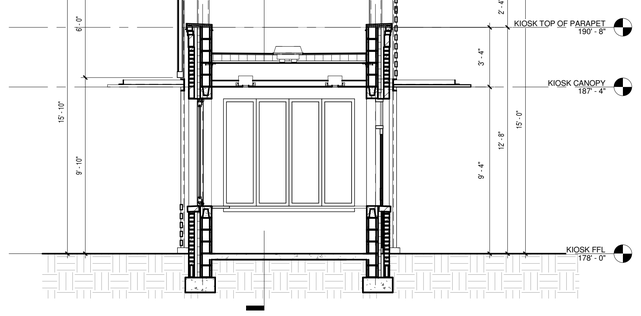
5 CAFE VER
1/4" = 1'-0"



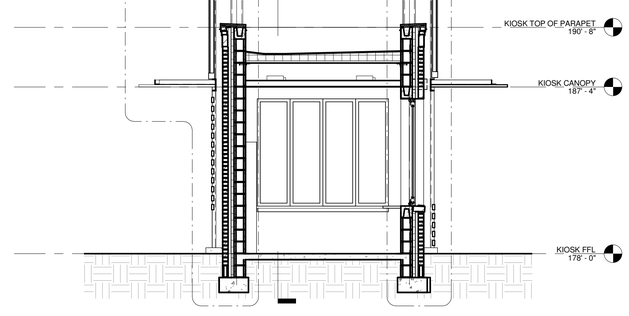
1 CAFE HOR 1
1/4" = 1'-0"



6 CAFE HOR 2
1/4" = 1'-0"



4 KIOSK VER
1/4" = 1'-0"



3 KIOSK HOR
1/4" = 1'-0"

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No.	Description	Date

BUILDING SECTIONS

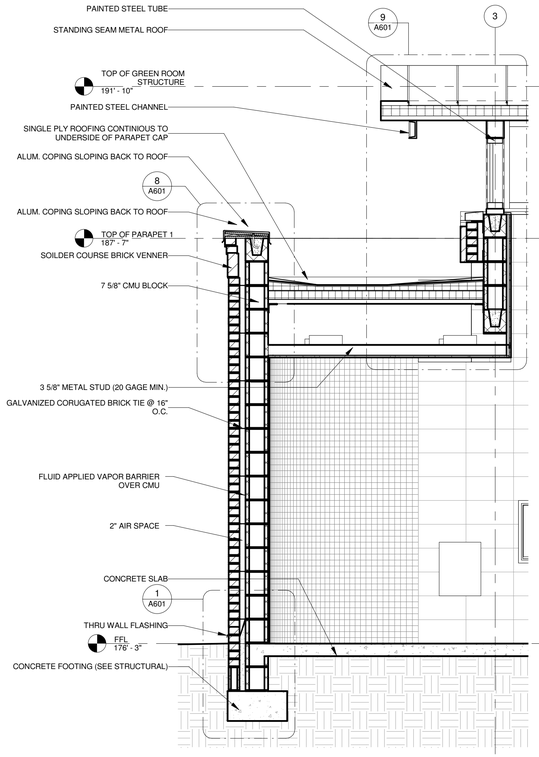
Project number	**Project Number**
Dated	11/07/2014
PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

A303

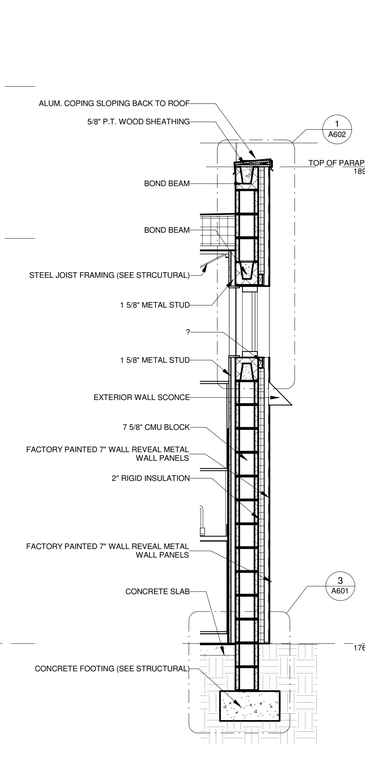
Scale 1/4" = 1'-0"

Project Number 11/07/2014

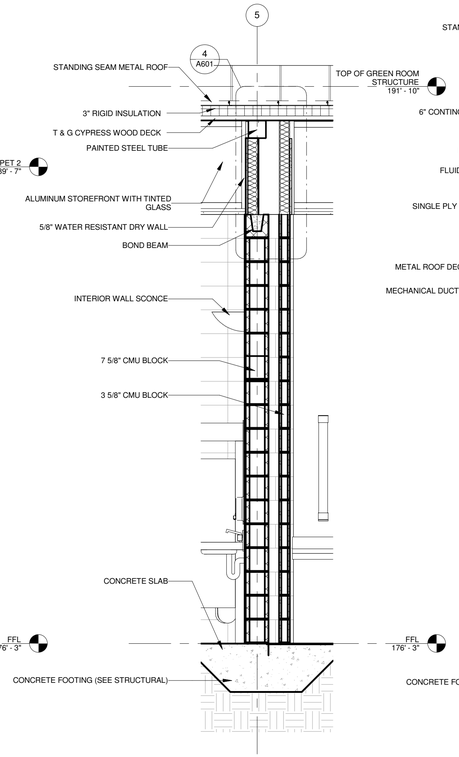
CONSTRUCTION DOCUMENTS



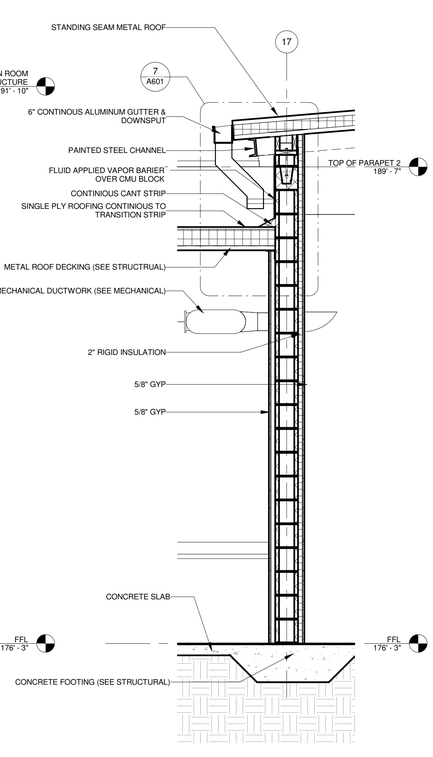
2 WALL SECTION
1/2" = 1'-0"



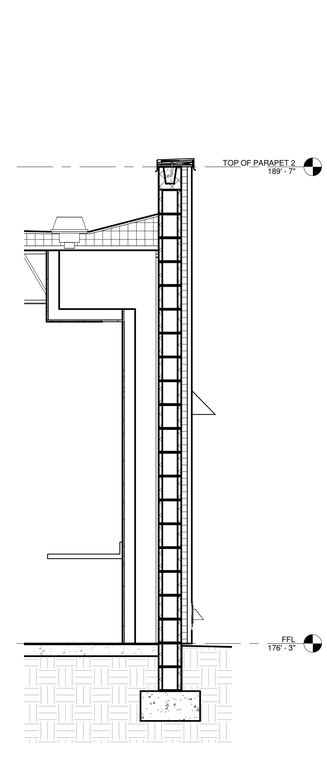
1 WALL SECTION
1/2" = 1'-0"



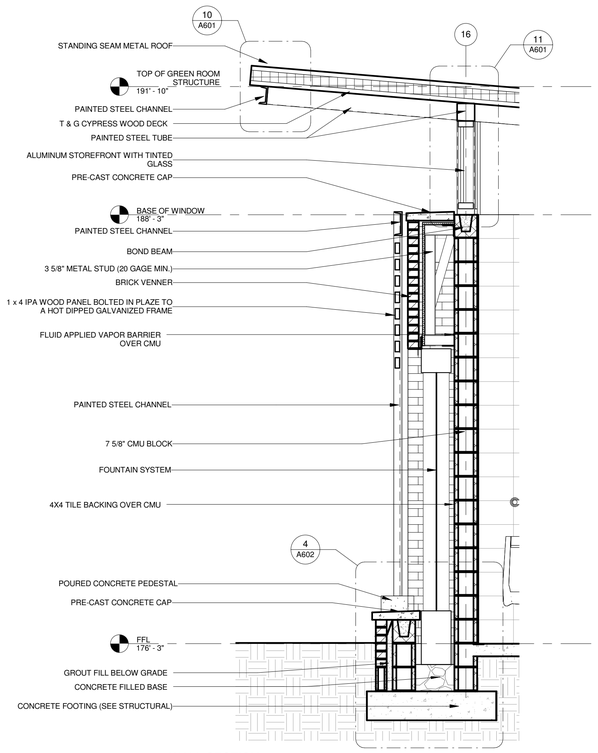
3 WALL SECTION
1/2" = 1'-0"



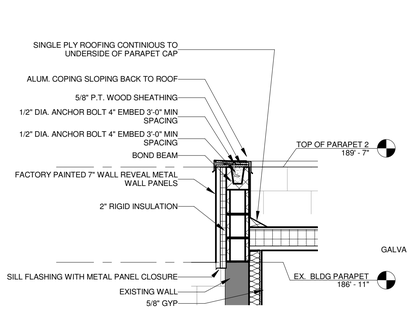
5 WALL SECTION
1/2" = 1'-0"



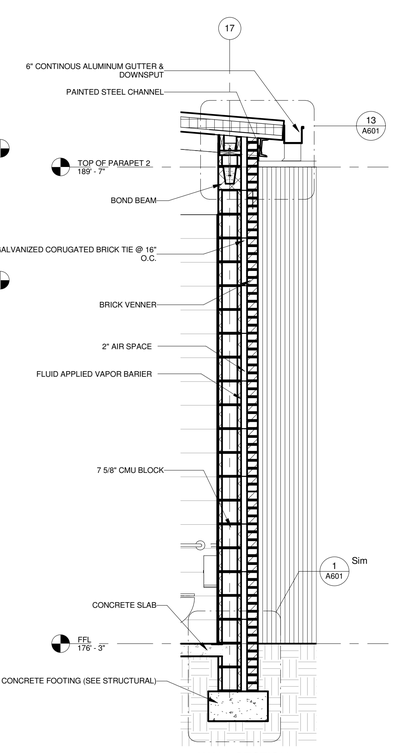
10 Section 15
1/2" = 1'-0"



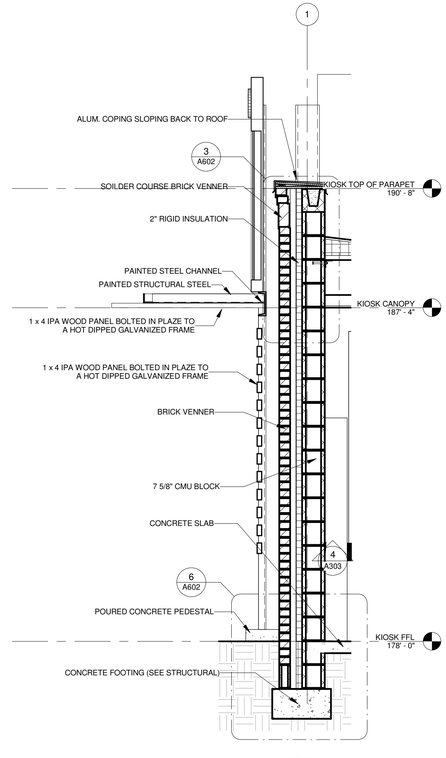
6 WALL SECTION
1/2" = 1'-0"



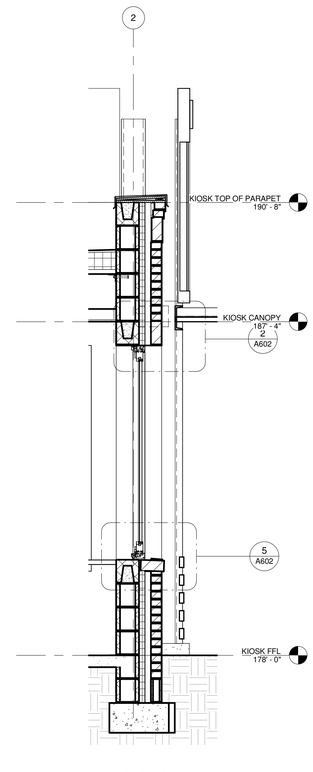
4 WALL SECTION
1/2" = 1'-0"



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



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



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

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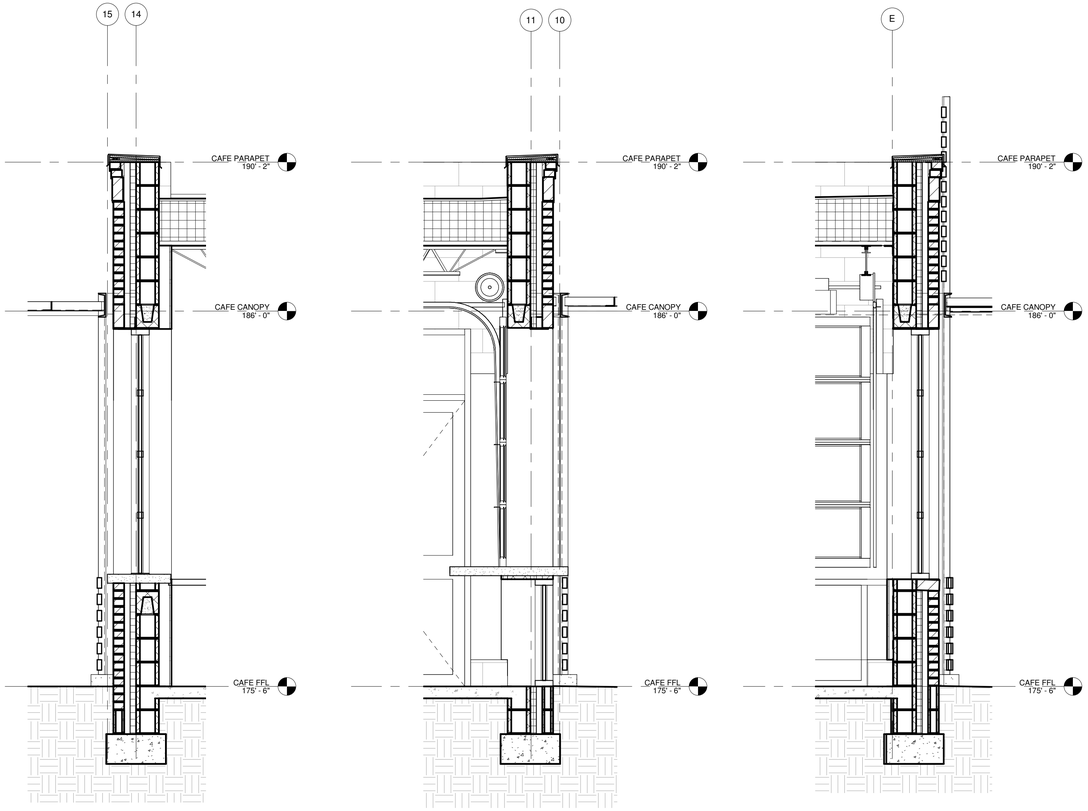
WALL SECTIONS

Project number	**Project Number**
Dated	11/07/2014
PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

A311

Scale 1/2" = 1'-0"

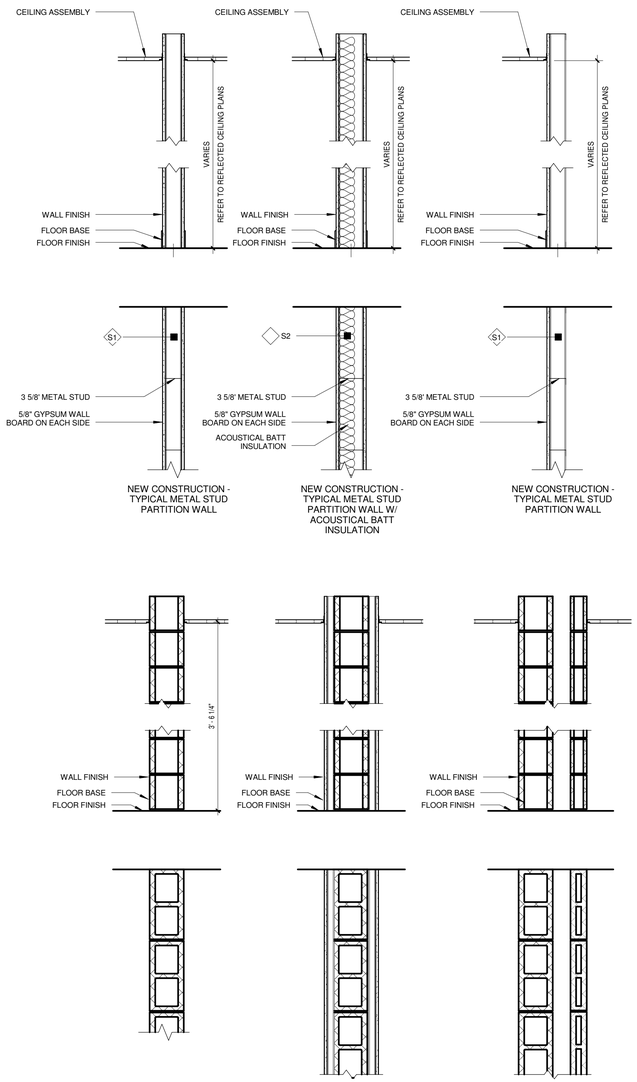
Project Number
11/07/2014
CONSTRUCTION DOCUMENTS



1 CAFE HOR 1 - Callout 2
1/2" = 1'-0"

2 CAFE HOR 1 - Callout 1
1/2" = 1'-0"

4 CAFE VER - Callout 1
1/2" = 1'-0"



3 WALL TYPES
3/4" = 1'-0"

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REVISIONS:

No.	Description	Date

WALL SECTIONS

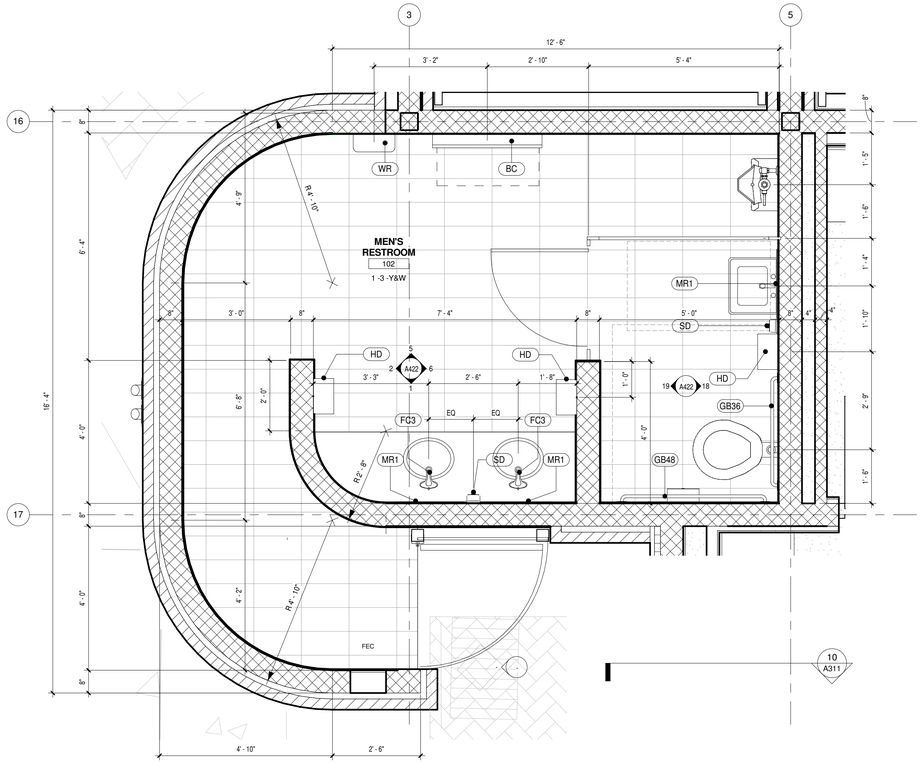
Project number	**Project Number**
Dated	11/07/2014
PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

A312

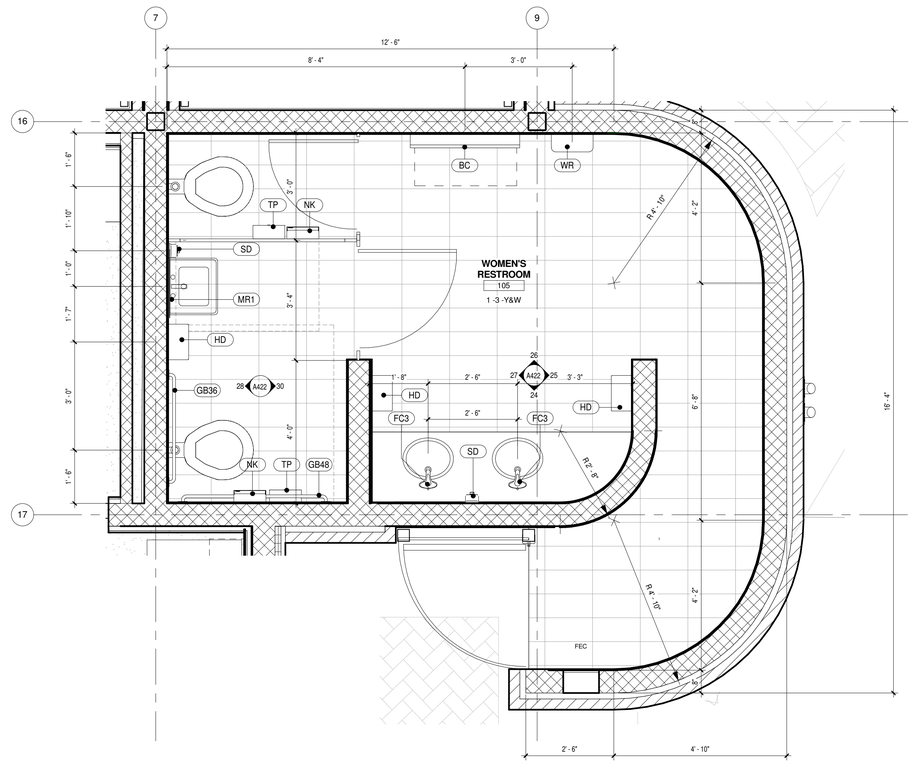
Scale	As indicated

Project Number 11/07/2014

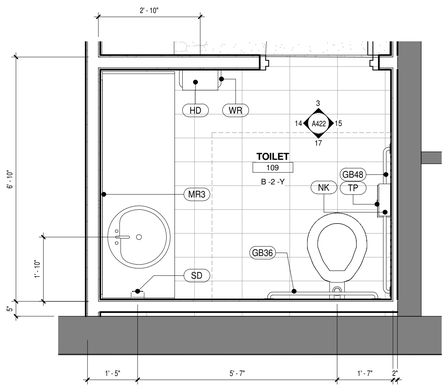
CONSTRUCTION DOCUMENTS



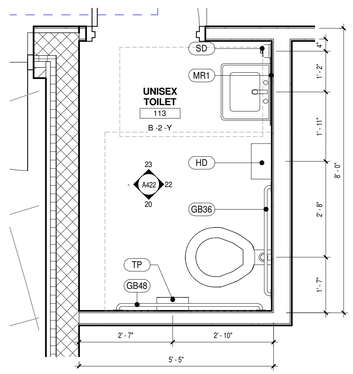
1 GREEN ROOM FLOOR PLAN - Callout 1
1/2" = 1'-0"



2 GREEN ROOM FLOOR PLAN - Callout 2
1/2" = 1'-0"



3 GREEN ROOM FLOOR PLAN - Callout 3
1/2" = 1'-0"



4 CAFE FLOOR PLAN - Callout 1
1/2" = 1'-0"

TP	TOILET PAPER DISPENSOR	(BRADLEY)
SD	SOAP DISPENSOR	(BRADLEY)
MR1	30" X 42" FRAMMED MIRRIOR	
MR2	FRAMELESS MIRRIOR	
MR3	FRAMELESS MIRRIOR	(BRADLEY)
GB36	36" GRAB BAR	(BRADLEY)
GB48	48" GRAB BAR	(BRADLEY)
NK	SANITARY NAPKIN DISPOSAL	(BRADLEY)
FC1	BATHROOM SINK FAUCET	(KOHLER)
FC2	KITCHEN SINK FAUCET	(KOHLER)
FC3	HAND SENSOR SINK FAUCET	(KOHLER)
HD	XLORATOR HAND DRYER	(EXCEL)
WR	6" SURFACE MOUTED WASTE RECEPTICAL	(BRADLEY)
BC	BABY CHANGING STATION w/ STAINLESS COVER	(BRADLEY)

PLUBING ACCESSORIES
1/8" = 1'-0"

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ENLARGED BATHROOM PLANS

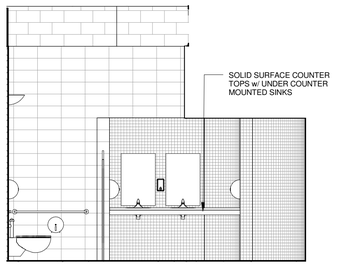
Project number	**Project Number**
Dated	11/07/2014
PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

A401

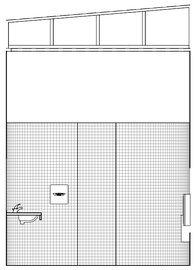
Scale: As indicated

Project Number 11/07/2014

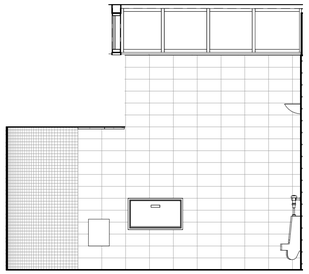
CONSTRUCTION DOCUMENTS



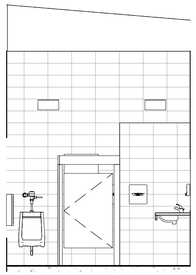
1 INTERIOR ELEVATIONS
1/4" = 1'-0"



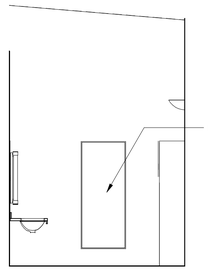
2 INTERIOR ELEVATIONS
1/4" = 1'-0"



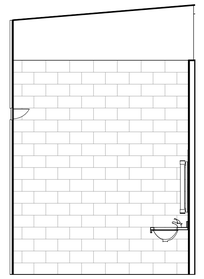
5 INTERIOR ELEVATIONS
1/4" = 1'-0"



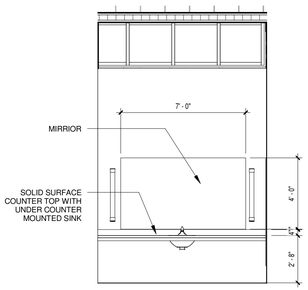
6 INTERIOR ELEVATIONS
1/4" = 1'-0"



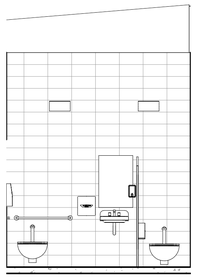
13 INTERIOR ELEVATIONS
1/4" = 1'-0"



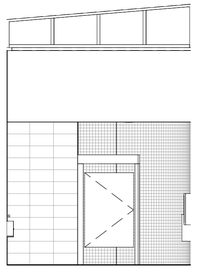
11 INTERIOR ELEVATIONS
1/4" = 1'-0"



12 INTERIOR ELEVATIONS
1/4" = 1'-0"

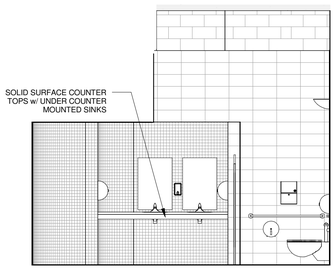


28 INTERIOR ELEVATIONS
1/4" = 1'-0"

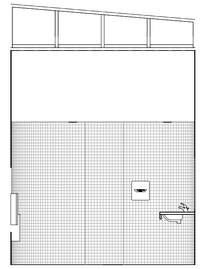


18 INTERIOR ELEVATIONS
1/4" = 1'-0"

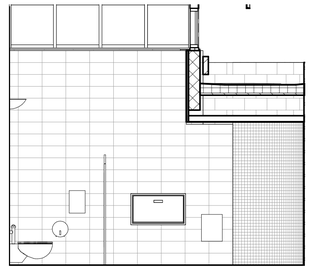
19 INTERIOR ELEVATIONS
1/4" = 1'-0"



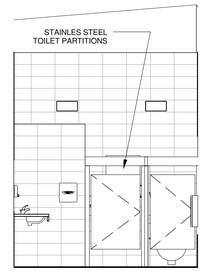
24 INTERIOR ELEVATIONS
1/4" = 1'-0"



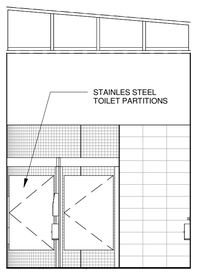
25 INTERIOR ELEVATIONS
1/4" = 1'-0"



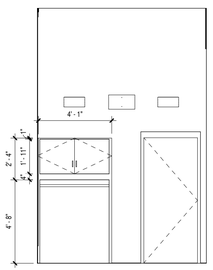
26 INTERIOR ELEVATIONS
1/4" = 1'-0"



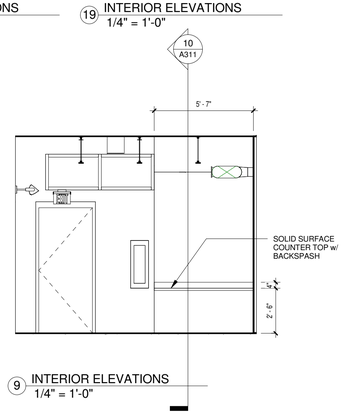
27 INTERIOR ELEVATIONS
1/4" = 1'-0"



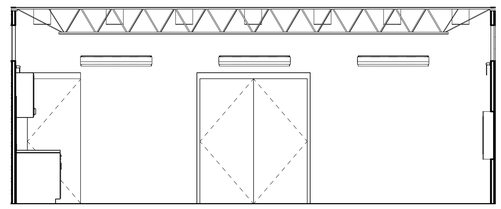
30 INTERIOR ELEVATIONS
1/4" = 1'-0"



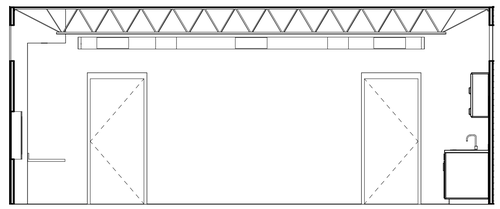
16 INTERIOR ELEVATIONS
1/4" = 1'-0"



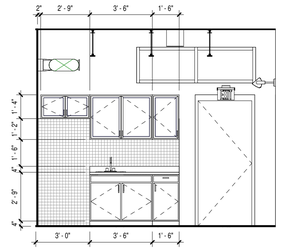
9 INTERIOR ELEVATIONS
1/4" = 1'-0"



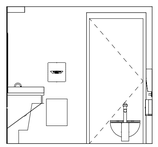
8 INTERIOR ELEVATIONS
1/4" = 1'-0"



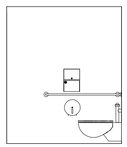
10 INTERIOR ELEVATIONS
1/4" = 1'-0"



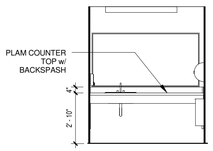
7 INTERIOR ELEVATIONS
1/4" = 1'-0"



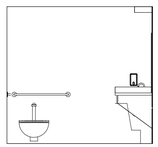
3 INTERIOR ELEVATIONS
1/4" = 1'-0"



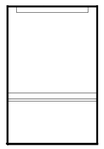
15 INTERIOR ELEVATIONS
1/4" = 1'-0"



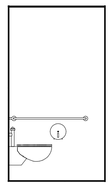
14 INTERIOR ELEVATIONS
1/4" = 1'-0"



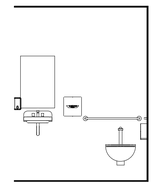
17 INTERIOR ELEVATIONS
1/4" = 1'-0"



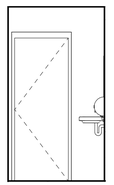
4 INTERIOR ELEVATIONS
1/4" = 1'-0"



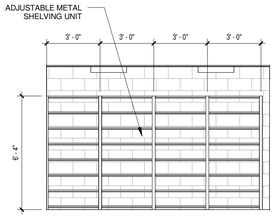
20 INTERIOR ELEVATIONS
1/4" = 1'-0"



22 INTERIOR ELEVATIONS
1/4" = 1'-0"



23 INTERIOR ELEVATIONS
1/4" = 1'-0"



29 INTERIOR ELEVATIONS
1/4" = 1'-0"

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CONSTRUCTION DOCUMENTS

GAINESVILLE COMMUNITY DEVELOPEMENT AGENCY

DOWNTOWN PLAZA RENOVATION PROJECT

111 E University Ave, Gainesville, FL 32601

REVISIONS:

No.	Description	Date

INTERIOR ELEVATIONS

Project number	**Project Number**
Dated	11/07/2014
PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

A422

Scale 1/4" = 1'-0"

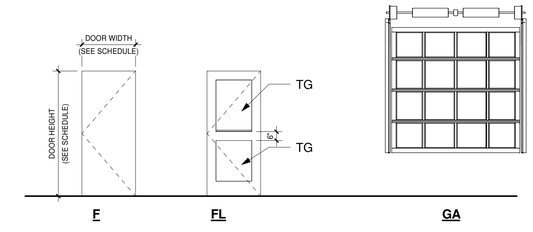
Project Number 11/07/2014

CONSTRUCTION DOCUMENTS

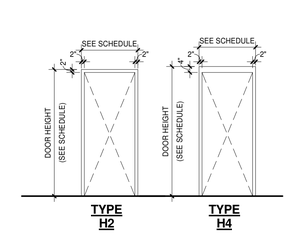
DOOR SCHEDULE												
	Door					Frame		Details				
Door No.	Door Type	Door Material	Width	Height	Thickness	Type	Material	Head Detail	Jamb Detail	Sill Detail	Fire Rating	Comments
100	FL	AL	3' - 0"	7' - 0"	1 3/4"	SF1	AL					
101A	F	GHM	3' - 0"	7' - 0"	1 3/4"	H4	GHM					
101B	F	GHM	3' - 0"	7' - 0"	1 3/4"	H4	GHM					
102	AL	ALG	3' - 8"	7' - 4"	3/4"	--	--					FACTORY PAINTEED ALUMINUM LOUVERD GATEE
103	F	WD	3' - 0"	7' - 0"	1 3/4"	H4	HM					
104	F	WD	3' - 0"	7' - 0"	1 3/4"	H4	HM					
105	AL	ALG	3' - 8"	7' - 4"	3/4"	--	--					FACTORY PAINTEED ALUMINUM LOUVERD GATEE
106	F		3' - 0"	7' - 0"	1 3/4"							
107	F		3' - 0"	7' - 0"	1 3/4"							
109	F	WD	3' - 0"	7' - 0"	1 3/4"	H2	HM					
110	2(F)	WD	6' - 0"	7' - 0"	1 3/4"	H4	HM					
111	F	GHM	3' - 0"	8' - 0"	1 3/4"	H4	GHM					
112A	FL	AL	3' - 0"	8' - 0"	1 3/4"	SF3	AL					
112B	FL	AL	3' - 0"	8' - 0"	1 3/4"	SF3	AL					
112C	GA	AL	7' - 0"	7' - 0"	2 1/8"	--	ST					STOREFRONT GARAGE DOOR
112D	GA	AL	7' - 0"	7' - 0"	2 1/8"	--	ST					STOREFRONT GARAGE DOOR
112E	GA	AL	7' - 0"	7' - 0"	2 1/8"	--	ST					STOREFRONT GARAGE DOOR
112F	GA	AL	7' - 0"	7' - 0"	2 1/8"	--	ST					STOREFRONT GARAGE DOOR
113	F	HM	3' - 0"	8' - 0"	1 3/4"	H2	HM					
115	F	HM	3' - 0"	8' - 0"	1 3/4"	H2	HM					
116	F	HM	3' - 0"	7' - 0"	1 3/4"	H2	HM					

DOOR SCHEDULE GENERAL NOTES:

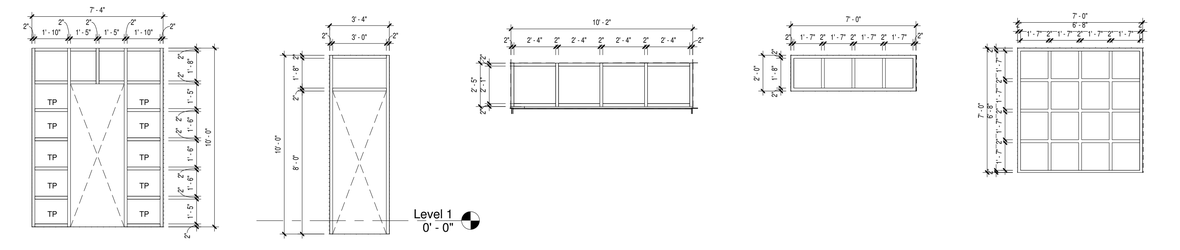
1. DOOR MATERIAL ABBREVIATIONS
   HM = HOLLOW METAL
   GHM = GALVANIZED HOLLOW METAL
   AL = ALUMINUM STOREFRONT
   WD = SOLID WOOD CORE
2. UNLESS NOTED OTHERWISE WHERE GLASS OCCURS IN DOORS PROVIDE TEMPERED GLASS AT NON-RATED DOORS AND FIRE GLASS AT RATED DOORS.
3. GLASS TYPE ABBREVIATIONS
   TP = TEMPERED GLASS
   TTG = TEMPERED TRANSLUCENT GLASS
   XG = IMPACT RESISTANT GLASS
4. UNLESS NOTED OTHERWISE ALL DOORS ARE 1 3/4" THICK.
5. ALL EXTERIOR DOORS WILL BE (GHM) GALVANIZED HOLOW METAL

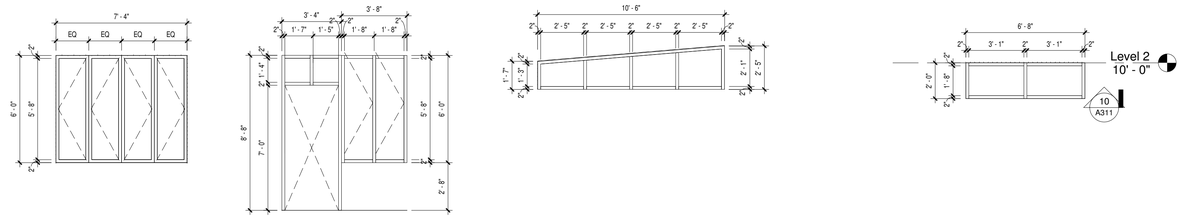


DOOR ELEVATION
1/4" = 1'-0"



FRAME ELEVATION
1/4" = 1'-0"





6 WINDOW & STOREFRONT ELEVAITIONS
1/4" = 1'-0"

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CONSTRUCTION DOCUMENTS

GAINESVILLE COMMUNITY DEVELOPEMENT AGENCY

DOWNTOWN PLAZA RENOVATION PROJECT

111 E University Ave, Gainesville, FL 32601

REVISIONS:

No.	Description	Date

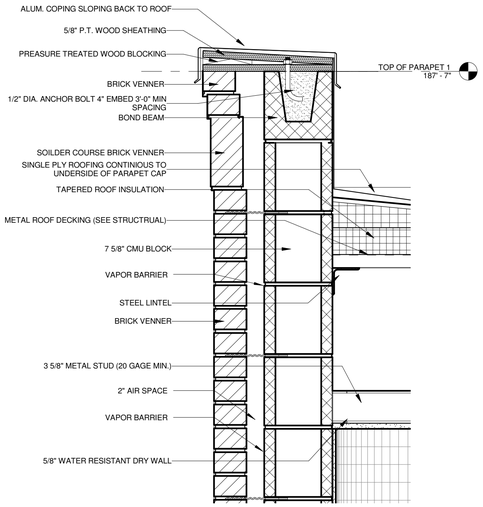
DOOR & WINDOW SCHEDULE

Project number	**Project Number**
Dated	11/07/2014
PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

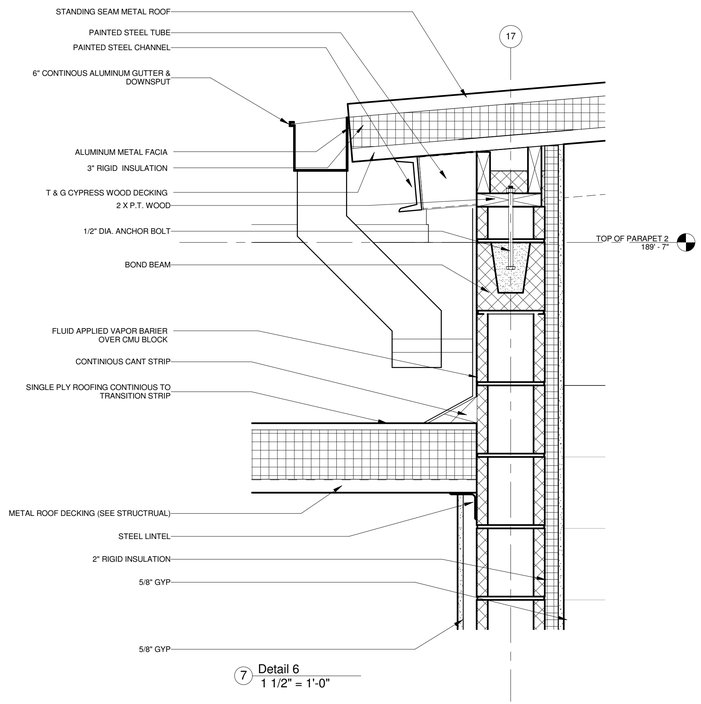
A501

Scale 1/4" = 1'-0"

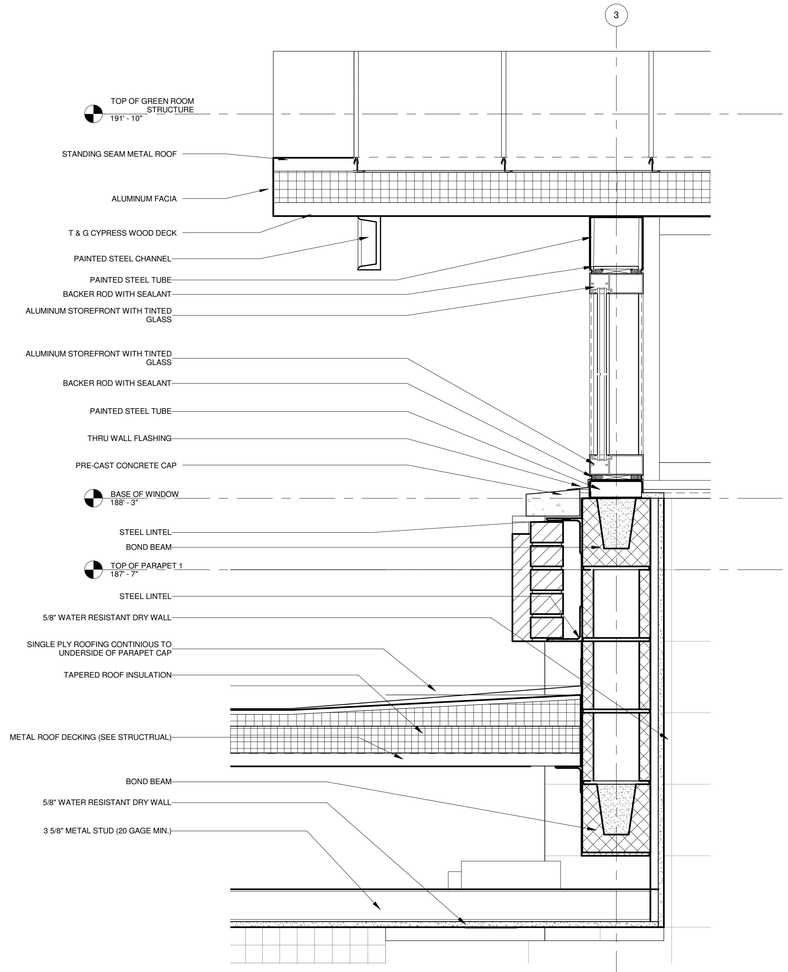
Project Number
11/07/2014
CONSTRUCTION DOCUMENTS



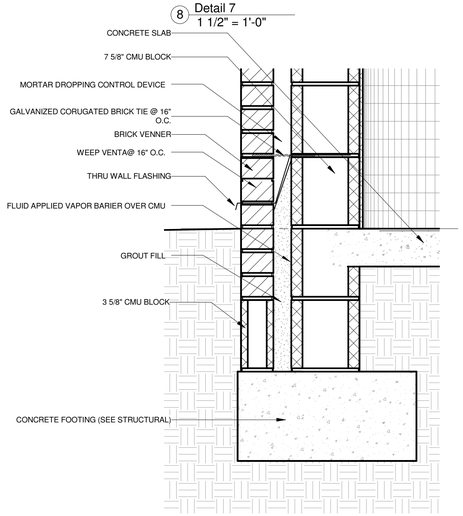
1 Detail 0
1 1/2" = 1'-0"

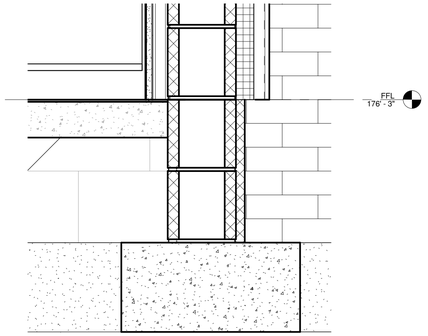


7 Detail 6
1 1/2" = 1'-0"

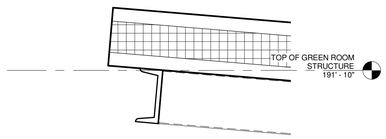


9 Detail 8
1 1/2" = 1'-0"

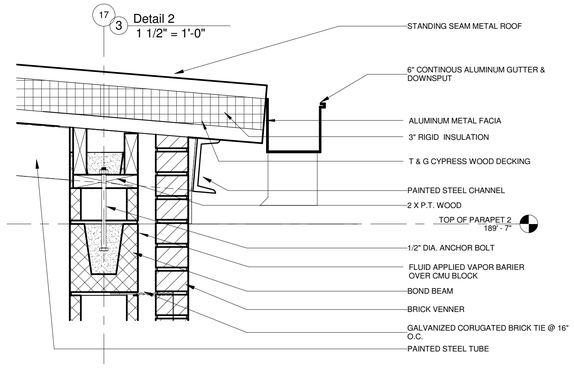




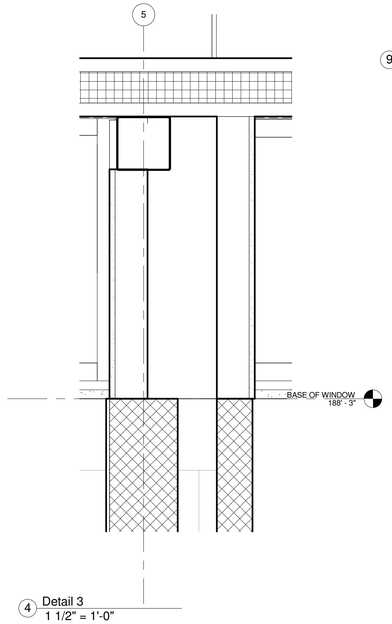
1 Detail 0
1 1/2" = 1'-0"



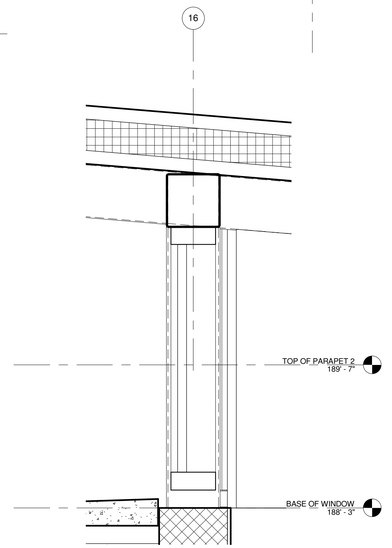
10 Detail 9
1 1/2" = 1'-0"



13 Detail 12
1 1/2" = 1'-0"



4 Detail 3
1 1/2" = 1'-0"



11 Detail 10
1 1/2" = 1'-0"

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CONSTRUCTION DOCUMENTS

GAINESVILLE COMMUNITY DEVELOPEMENT AGENCY
DOWNTOWN PLAZA RENOVATION PROJECT
111 E University Ave, Gainesville, FL 32601

REVISIONS:

No.	Description	Date

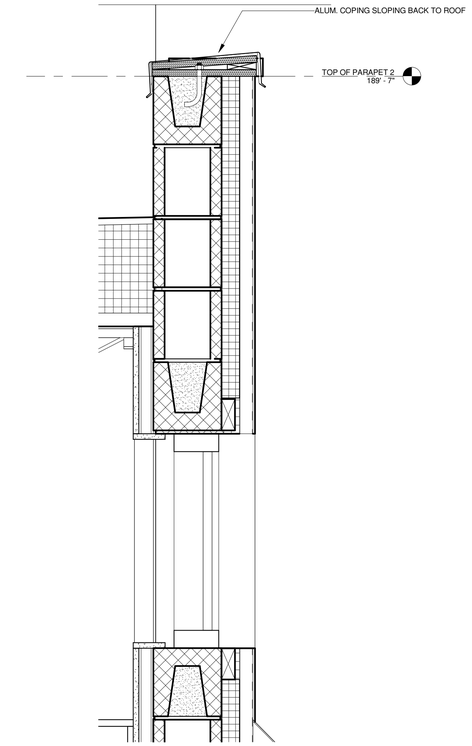
DETAILS

Project number	**Project Number**
Dated	11/07/2014
PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

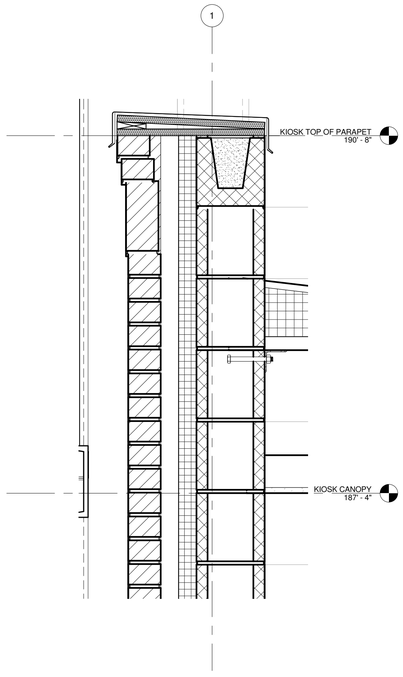
A601

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

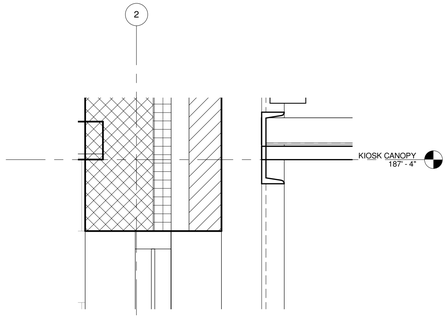
Project Number
11/07/2014
CONSTRUCTION DOCUMENTS



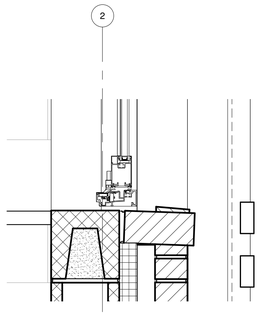
1 Detail 1
1 1/2" = 1'-0"



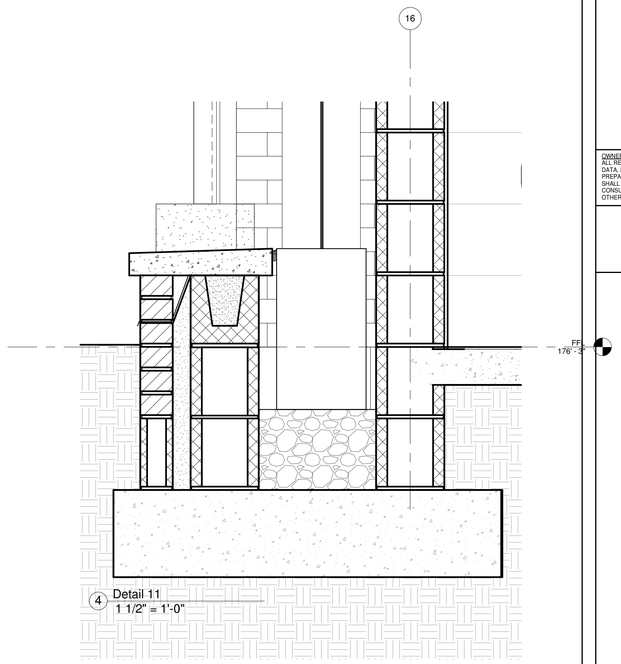
3 Detail 14
1 1/2" = 1'-0"



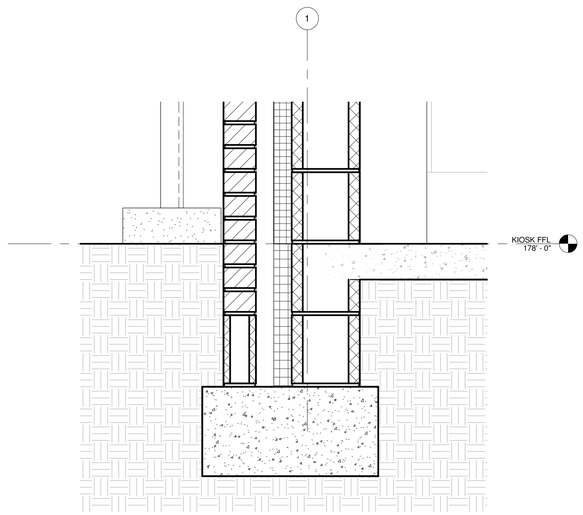
2 Detail 16
1 1/2" = 1'-0"



5 KIOSK HOR - Callout 2 - Callout 1
1 1/2" = 1'-0"



4 Detail 11
1 1/2" = 1'-0"



6 Detail 15
1 1/2" = 1'-0"

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CONSTRUCTION DOCUMENTS

GAINESVILLE COMMUNITY DEVELOPEMENT AGENCY

DOWNTOWN PLAZA RENOVATION PROJECT

111 E University Ave, Gainesville, FL 32601

REVISIONS:

No.	Description	Date

DETAILS

Project number	**Project Number**
Dated	11/07/2014
PIC	Approver
PM	Designer
Drawn by	Author
Checked by	Checker

A602

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

02/02/2015

SCHEMATIC DESIGN

FIXTURE UNIT CALCULATIONS

FIXTURE TYPE	QUANTITY	DRAINAGE FIXTURE UNITS		WATER SUPPLY FIXTURE UNITS					
		PER FIXTURE	TOTAL	COLD	SUBTOTAL	HOT	SUBTOTAL	HOT & COLD	SUBTOTAL
WATER CLOSETS	·	6	·	10	·	0	·	10	·
PENAL WC/LAV COMBO	·	7	·	11.5	·	1.5	·	12	·
URINALS	·	4	·	5	·	0	·	5	·
LAVATORIES (CW)	·	1	·	1.5	·	0	·	1.5	·
LAVATORIES (HW)	·	1	·	1.5	·	1.5	·	2	·
DRINKING FOUNTAIN	·	0.5	·	0.25	·	0	·	0.25	·
SINKS	·	2	·	2	·	2	·	3	·
SERVICE SINKS	·	2	·	2.25	·	2.25	·	3	·
SHOWER HEAD	·	2	·	3	·	3	·	4	·
FLOOR DRAIN	·	2	·	0	·	0	·	0	·
HOSE BIBBS	·	0	·	4	·	0	·	4	·
SINK – POTS/PANS	·	4	·	6	·	6	·	8	·
SINK – VEGETABLE	·	4	·	2.5	·	2.5	·	3	·
HAND SINK	·	2	·	2.5	·	2.5	·	3	·
CAN WASH	·	2	·	6	·	6	·	6	·
SOUP KETTLE	·	0	·	2	·	2	·	2	·
HOSE STATION	·	0	·	3	·	3	·	4	·
FLOOR SINK	·	2	·	0	·	0	·	0	·
ICE MAKER	·	0.5	·	0.25	·	0	·	0.25	·
DISHWASHER	·	15	·	0	·	6	·	6	·
WASHING MACHINE (COMMERCIAL)	3	·	·	3	·	3	·	4	·
WASHING MACHINE (RESIDENTIAL)	2	·	·	2.25	·	2.25	·	3.0	·
SUBTOTAL			·		·		·		·
DEMAND (GPM)									

PIPING SCHEDULE

PIPING SYSTEM	SIZE RANGE	MATERIAL	FITTINGS	FLANGES	INSULATION
CHILLED WATER (CHS/R)	2½" AND LARGER	BLACK STEEL ASTM A53, GRADE B STANDARD WT., SEAMLESS OR ERW	WROUGHT STEEL ASTM B16.9, 150 LB. BUTT WELD JOINTS	WROUGHT STEEL ASTM B16.5 150 LB.	N/A
COMPRESSED AIR (CA)	3" AND SMALLER	COPPER TYPE 'L' ASTM B88	WROUGHT COPPER ASTM B16.22 BRAZED JOINTS	N/A	N/A
COOLING WATER (CWS/R)	2" AND SMALLER	BLACK STEEL ASTM A53, GRADE B SCH. 80, SEAMLESS OR ERW	MALLEABLE IRON ASTM B16.3, 150 LB. THREADED JOINTS	N/A	N/A
DOMESTIC COLD WATER (DCW) AIR COMPR. DRAIN	3" AND SMALLER	COPPER TYPE 'L' ASTM B88	WROUGHT COPPER ASTM B16.22 95/5 SILVER SOLDER	N/A	N/A
HELIUM VACUUM (HEV)	ALL	CPVC ASTM D1784 SCH. 80	CPVC ASTM D1784 SCH. 80 SOCKET WITH PRIMER & SOLVENT	N/A	N/A
SANITARY & VENT (BELOW SLAB)	12" AND SMALLER	PVC ASTM D1785 SCHEDULE 40	PVC ASTM D2672 SCH. 40 SOCKET WITH PRIMER & SOLVENT	N/A	N/A
SANITARY & VENT (ABOVE SLAB)	4" AND SMALLER	HUBLESS CAST IRON ASTM A888	HUBLESS – COUPLINGS W/ STAINLESS STEEL BANDS ASTM C1277	N/A	N/A
SANITARY & VENT (ABOVE SLAB)	4" AND SMALLER	COPPER DWV ASTM B306	WROUGHT COPPER ASTM B16.29 95/5 SILVER SOLDER	N/A	N/A
DOMESTIC WATER (BELOW SLAB)	1" AND SMALLER	ANNEALED COPPER ASTM B88 TYPE 'K'	WROUGHT COPPER ASTM B16.22 95/5 SILVER SOLDER	N/A	N/A
DOMESTIC WATER (ABOVE SLAB)	3" AND SMALLER	DRAWN COPPER ASTM B88 TYPE 'L'	WROUGHT COPPER ASTM B16.22 95/5 SILVER SOLDER	N/A	HW: 1" FIBERGLASS WITH ASJ/SSL ASTM C547, TYPE I, GRADE A

WATER HAMMER ARRESTER SCHEDULE

CHART A – FOR GROUPED FIXTURES		CHART B – FOR LONG PIPE RUNS						
P.D.I. SIZE	FIXTURE UNITS	P.D.I. WATER HAMMER ARRESTERS						
		LENGTH OF PIPE	NOMINAL PIPE DIAMETER					
			1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A	1–11	25'	A	A	B	C	D	E
B	12–32	50'	A	B	C	D	E	F
C	33–60	75'	B	C	D	AE	F	EF
D	61–113	100'	C	D	E	F	CF	FF
E	114–154	125'	C	D	F	AF	EF	EFF
F	155–330	150'	D	E	F	DF	FF	FFF

NOTES:
1. WATER HAMMER ARRESTERS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD PDI–WH201.

MINIMUM REQUIRED SLOPE

ALL DRAINAGE PIPING

PIPE SIZE, INCHES	MIN. SLOPE, INCHES/FOOT
2"	1/4"
3"	1/8"
4"	1/8"
6"	1/8"
8"	1/16"
10"	1/16"

NOTES:
1. COMBINATION DRAIN AND VENT PIPING SHALL BE RUN AT A MAXIMUM SLOPE OF 1/2" PER FOOT.

VALVES

N.O. N.C.	BALL VALVE
N.O. N.C.	BUTTERFLY VALVE
N.O. N.C.	GATE VALVE
N.O. N.C.	GLOBE VALVE
N.O. N.C.	PLUG VALVE
N.O. N.C.	SOLENOID VALVE
	SWING CHECK VALVE
	SPRING CHECK VALVE
	PRESSURE REDUCING VALVE
	RELIEF VALVE
VALVE ACTUATORS:	
	QUARTER TURN LEVER
	HANDWHEEL
	MANUAL GEAR DRIVE (8" QUARTER TURN VALVES AND LARGER)
M	ELECTRIC MOTOR
S	SOLENOID
	PNEUMATIC DRIVE
TMV 140	THERMOSTATIC MIXING VALVE
	BACKFLOW PREVENTER
	MANUAL GAS SHUTOFF VALVE, PRESSURE REGULATOR AND MASTER SOLENOID SHUTOFF VALVE
	RECESSED VALVE CABINET WITH NON–LOCKABLE DOOR
AAV	AUTOMATIC AIR VENT AND ISOLATION VALVE

MEASUREMENTS AND CONTROLS

	SOLENOID VALVE
	PRESSURE GAUGE AND ISOLATION VALVE
2.0	AUTOMATIC FLOW CONTROL VALVE (NUMBER INDICATES FLOW IN GPM)
	THERMOMETER

MISCELLANEOUS

	HINGED CEILING ACCESS PANEL
MIN. I.E. = 36" B.F.F.	MINIMUM INVERT ELEVATION BELOW REFERENCE ELEVATION
	POINT OF CONNECTION, NEW TO EXISTING
	LIMIT OF DEMOLITION
	POINT OF CONNECTION, PLUMBING TO CIVIL
	SMOKE RATED WALL
	1 HOUR FIRE RATED WALL
	2 HOUR FIRE RATED WALL

PIPING AND FITTINGS

	STRAINER
	UNION
	CAP
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	TEE, OUTLET UP
	TEE, OUTLET DOWN
	FLOW DIRECTION IN PIPE
	NEW PIPE
	EXISTING PIPE TO REMAIN
	EXISTING PIPE TO BE REMOVED
	SANITARY, SOIL OR WASTE PIPING
	SANITARY VENT PIPING
GR	GREASE LADEN WASTE PIPING
AR	ACID RESISTANT WASTE PIPING
AR	ACID RESISTANT VENT PIPING
	COLD WATER SUPPLY PIPING
GW	GRAY WATER SUPPLY PIPING
	HOT WATER SUPPLY PIPING
140	140° HOT WATER SUPPLY PIPING
	HOT WATER RECIRCULATION PIPING
RL	PRIMARY RAIN LEADER
SRL	SECONDARY RAIN LEADER
SD	STORM DRAIN PIPING
CA	COMPRESSED AIR PIPING
DI	DE–IONIZED WATER PIPING
DW	DISTILLED WATER PIPING
SW	SOFT WATER PIPING
G	GAS PIPING
LPG	LIQUID PROPANE GAS
OX	OXYGEN PIPING
V	VACUUM PIPING
MA	MEDICAL COMPRESSED AIR
C	(COOLING COIL) CONDENSATE DRAIN PIPING
	HOSE BIBB WITH VACUUM BREAKER
	WALL HYDRANT WITH VACUUM BREAKER
	WATER HAMMER ARRESTER
WCO	WALL CLEANOUT – SEE DETAIL ____
CO	CLEAN OUT – SEE DETAIL ____
FD	FLOOR DRAIN – SEE DETAIL ____
FS	FLOOR SINK – SEE DETAIL ____
RD	ROOF DRAIN – SEE DETAIL ____
OD	OVERFLOW ROOF DRAIN – SEE DETAIL ____
HD	HUB DRAIN FOR SANITARY (3" PIPE SIZE, TOP 1" A.F.F., U.N.O.)
HD	HUB DRAIN FOR CONDENSATE (3" PIPE SIZE, TOP 1" A.F.F., U.N.O.)

WATER HAMMER ARRESTER SCHEDULE

CHART A – FOR GROUPED FIXTURES		CHART B – FOR LONG PIPE RUNS						
P.D.I. SIZE	FIXTURE UNITS	P.D.I. WATER HAMMER ARRESTERS						
		LENGTH OF PIPE	NOMINAL PIPE DIAMETER					
			½"	¾"	1"	1¼"	1½"	2"
A	1–11	25'	A	A	B	C	D	E
B	12–32	50'	A	B	C	D	E	F
C	33–60	75'	B	C	D	AE	F	EF
D	61–113	100'	C	D	E	F	CF	FF
E	114–154	125'	C	D	F	AF	EF	EFF
F	155–330	150'	D	E	F	DF	FF	FFF

NOTES:
1. WATER HAMMER ARRESTERS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD PDI–WH201.

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
2. FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH.
3. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
4. THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
5. CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES.
6. ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
7. ERECT AND MAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
8. COORDINATE AND SEQUENCE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE–CONSTRUCTION CONFERENCE.
9. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
10. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON–SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS.
11. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
12. THE CONTRACTOR SHALL FURNISH "AS–BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF CONSTRUCTION.
13. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
14. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
15. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKERBOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS.
16. NOTE ANY SPECIAL REQUIREMENTS INVOLVED IN INSTALLING THE EQUIPMENT IN THE BUILDING. DISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED FOR ENTRY INTO THE BUILDING AND EQUIPMENT ROOMS.
17. PROTECT THE ROOF FROM DAMAGE WHENEVER ANY WORK ON THE ROOF IS REQUIRED.
18. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE. ATTACHMENTS SHALL BE TO STRUCTURAL SYSTEMS ONLY.
19. ALL ROOF MOUNTED EQUIPMENT SHALL BE SECURED TO STRUCTURE TO RESIST A 130 MPH WIND LOAD.
20. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES.
21. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
22. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
23. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
24. THE BUILDING WILL REMAIN OCCUPIED DURING CONSTRUCTION. THE OWNER WILL MAKE ALL REASONABLE EFFORTS TO ASSIST THE CONTRACTOR IN COMPLETING THE WORK. COORDINATE ALL WORK WITH THE OWNER'S DESIGNATED REPRESENTATIVE.
25. EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.
26. REMOVE AND RE–INSTALL EXISTING CEILING TILE AS REQUIRED. REPLACE ANY TILE DAMAGED OR SOILED DURING CONSTRUCTION.
27. PROVIDE PROPER PROTECTIVE MEASURES TO PROTECT EXISTING FURNITURE, CARPET AND FINISHES DURING THE COURSE OF CONSTRUCTION. TAKE CARE NOT TO DAMAGE EXISTING SURFACES. REPAIR TO MATCH EXISTING CONDITIONS AS REQUIRED.
28. SEAL ALL HOLES IN WALLS, CEILINGS, FLOORS, ETC. TO MATCH EXISTING ADJACENT SURFACES WHERE EQUIPMENT, CONDUIT AND/OR PIPING ARE REMOVED.
29. ALL EXISTING EQUIPMENT IS THE PROPERTY OF THE OWNER AND SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER. DISPOSE OF ALL MATERIALS AND EQUIPMENT SHOWN TO BE REMOVED IN ACCORDANCE WITH LOCAL REGULATIONS.
30. REPLACE ALL SIDEWALKS OR PAVEMENT DAMAGED BY OR DURING CONSTRUCTION OF THIS PROJECT. MATCH ADJACENT SURFACE.
31. REMOVE ALL SHRUBBERY, PLANTS, ETC. WHICH INTERFERE WITH WORK UNDER THIS CONTRACT. REPLANT AND/OR REPLACE ALL PLANTS, SHRUBBERY, ETC. AT COMPLETION OF JOB. ALL DISTURBED AREAS OF SOIL SHALL BE RESODDED. REPLACEMENT OF REPLANTING TO BE GUARANTEED FOR ONE YEAR.
32. ITEMS REMOVED AND SAVED FOR REUSE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL IDENTIFY ANY DEFECTIVE MATERIALS PRIOR TO DEMOLITION. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO MATERIALS AT PROJECT COMPLETION NOT IDENTIFIED PRIOR TO DEMOLITION.
33. 33 RELOCATE, AS REQUIRED, ANY EXISTING WIRE AND CONDUIT WHICH INTERFERES WITH INSTALLATION OF THE NEW WORK.
34. REMOVE ALL ELECTRICAL EQUIPMENT (CONDUIT, POWER & CONTROL WIRING, DISCONNECT SWITCHES, STARTERS, ETC.) RELATED TO EQUIPMENT BEING REMOVED OR REPLACED.
35. CONTRACTOR SHALL COMPLY WITH "TRENCH SAFETY ACT" (FLORIDA STATUTE 553 PART III) AND OSHA STANDARD 29 CFR 1926.650 SUBPART P FOR ALL UTILITY TRENCHES IN EXCESS OF 5 FEET DEEP. CONTRACTOR SHALL INDICATE WITHIN HIS BID RESPONSE A REFERENCE TO THE TRENCH SAFETY STANDARD AND A SEPARATE LINE ITEM COST OF COMPLIANCE WITH STANDARD.

PLUMBING NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE AND LOCAL PLUMBING CODES. WHERE CONFLICTS OCCUR BETWEEN CODES AND BETWEEN THE CONSTRUCTION DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2. ALL MISCELLANEOUS EQUIPMENT TO BE FURNISHED UNDER OTHER SECTIONS OF THE SPECIFICATIONS THAT REQUIRE PIPING OR DUCT CONNECTIONS SHALL BE RECEIVED AND SET WITH ROUGH–IN AND FINAL CONNECTIONS MADE UNDER THESE SECTIONS.
3. PRESSURE TEST ALL WATER PIPING SYSTEMS AT 150% OF NORMAL WORKING PRESSURE.
4. ALL COPPER PRESSURE PIPE SHALL BE SOLDERED ENTIRELY WITH LEAD–FREE SOLDER.
5. INSTALLATION OF EQUIPMENT AND PIPING SHALL PROVIDE CONVENIENT ACCESS FOR MAINTENANCE.
6. ALL FLOOR DRAINS AND FLOOR SINKS SHALL HAVE MINIMUM 3" DRAIN LINES, DEEP SEAL TRAPS AND AUTOMATIC TRAP PRIMERS (MANUFACTURER: PRECISION PLUMBING PRODUCTS).
7. WATER HAMMER ARRESTERS SHALL BE INSTALLED IN ACCORDANCE WITH PDI–WH201, AS MANUFACTURED BY WADE.
8. ALL HOSE BIBBS, SILL COCKS AND/OR FAUCETS WITH HOSE CONNECTIONS SHALL HAVE A VACUUM BREAKER.
9. GRAVITY FLOW SYSTEMS HAVE SPACE PRIORITY FOR SLOPING PIPES, HOWEVER SLOPE MUST BE STARTED AT HIGHEST POINT POSSIBLE.
10. ALL WATER PIPING SUBJECT TO FREEZING SHALL BE FREEZE PROTECTED. THIS INCLUDES ALL PIPING IN UNHEATED SPACES SUCH AS EQUIPMENT ROOMS, CHASES, ATTICS, SOFFITS, CRAWL SPACES, EXTERIOR WALLS, CEILINGS, ETC.
11. INSULATE EXTERIOR ABOVE GRADE WATER PIPING WITH CELLULAR GLASS. SEE SPECS.
12. DO NOT LOCATE FLOOR DRAINS/SINKS UNDER EQUIPMENT. COORDINATE EXACT LOCATION OF DRAINS/SINKS WITH EQUIPMENT FURNISHED.
13. ALL PLUMBING VENTS SHALL BE 2" MINIMUM, UNLESS NOTED OTHERWISE.
14. PROVIDE ACCESS PANEL AT EACH LOCATION WHERE A VALVE OR OTHER DEVICE REQUIRING SERVICE IS LOCATED ABOVE AN INACCESSIBLE CEILING OR INSIDE A WALL. ACCESS PANEL SHALL BE FIRE RATED IF INSTALLED IN A FIRE RATED CEILING OR WALL.
15. PROVIDE ALL LOW VOLTAGE WIRING AND CONDUIT NECESSARY FOR CONNECTION PRESSURE SWITCHES. BOTTLE CHANGE OVER ALARM, ETC. TO MASTER ALARM STATION AT NURSE STATION.
16. ALL EXISTING EQUIPMENT TO REMAIN SHALL BE THOROUGHLY CLEANED, GREASED, LUBRICATED AND ALL ACCESSIBLE PARTS PAINTED IN ACCORDANCE WITH THE SPECIFICATIONS.
17. A CLEANOUT SHALL BE PROVIDED AT THE BASE OF EACH WASTE, SOIL STACK OR RAIN LEADER, WHETHER SHOWN ON THE DRAWINGS OR NOT.
18. ANY PIPE THAT PASSES UNDER A FOOTING OR THROUGH A FOUNDATION WALL SHALL BE PROVIDED WITH A RELIEVING ARCH, OR A PIPE SLEEVE. SLEEVE SHALL BE BUILT INTO THE FOUNDATION WALL. THE SLEEVE SHALL BE TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL.

ABBREVIATIONS

AC	ABOVE CEILING	N/A	NOT APPLICABLE
AV	AIR ADMITTANCE VALVE	OD	OVERFLOW DRAIN
AAV	AUTOMATIC AIR VENT	PDI	PLUMBING DRAINAGE INSTITUTE
AF	ABOVE FLOOR	PH	PHASE
AFF	ABOVE FINISHED FLOOR	RD	ROOF DRAIN
AHAP	AS HIGH AS POSSIBLE	RL	RAIN LEADER
BF	BELOW FLOOR	S	SOIL
BFF	BELOW FINISHED FLOOR	SAN	SANITARY
BFP	BACKFLOW PREVENTER	SH	SHOWER
BG	BELOW GRADE	SK	SINK
C	CIRCULATOR	SRL	SECONDARY RAIN LEADER
CO	CLEANOUT	SS	SOIL STACK
CWS	COLD WATER SUPPLY	TYP	TYPICAL
CDV	COMBINATION DRAIN AND VENT	TMV	THERMOSTATIC MIXING VALVE
DN	DOWN	UR	URINAL
ECO	EXTERIOR CLEANOUT	V	VOLTAGE
EXIST	EXISTING	VS	VENT STACK
EWC	ELECTRIC WATER COOLER	VTR	VENT THROUGH ROOF
FD	FLOOR DRAIN	WC	WATER CLOSET
FS	FLOOR SINK	WCO	WALL CLEANOUT
HB	HOSE BIBB	WH	WALL HYDRANT
HD	HUB DRAIN	WH	WATER HEATER
HP	HORSEPOWER	WHA	WATER HAMMER ARRESTER
HWS	HOT WATER SUPPLY	WS	WASTE STACK
HWR	HOT WATER RECIRCULATION	WV	WET VENT
IE	INVERT ELEVATION		
LAV	LAVATORY		
MCA	MINIMUM CIRCUIT AMPACITY		
MOCP	MAXIMUM OVERLOAD PROTECTION		
MSB	MOP SERVICE BASIN		

DRAWING INDEX

P001 GENERAL NOTES, LEGENDS AND SCHEDULES – PLUMBING
P101 FLOOR PLAN – PLUMBING

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SCHEMATIC DESIGN

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LEGENDS AND DETAILS - PLUMBING

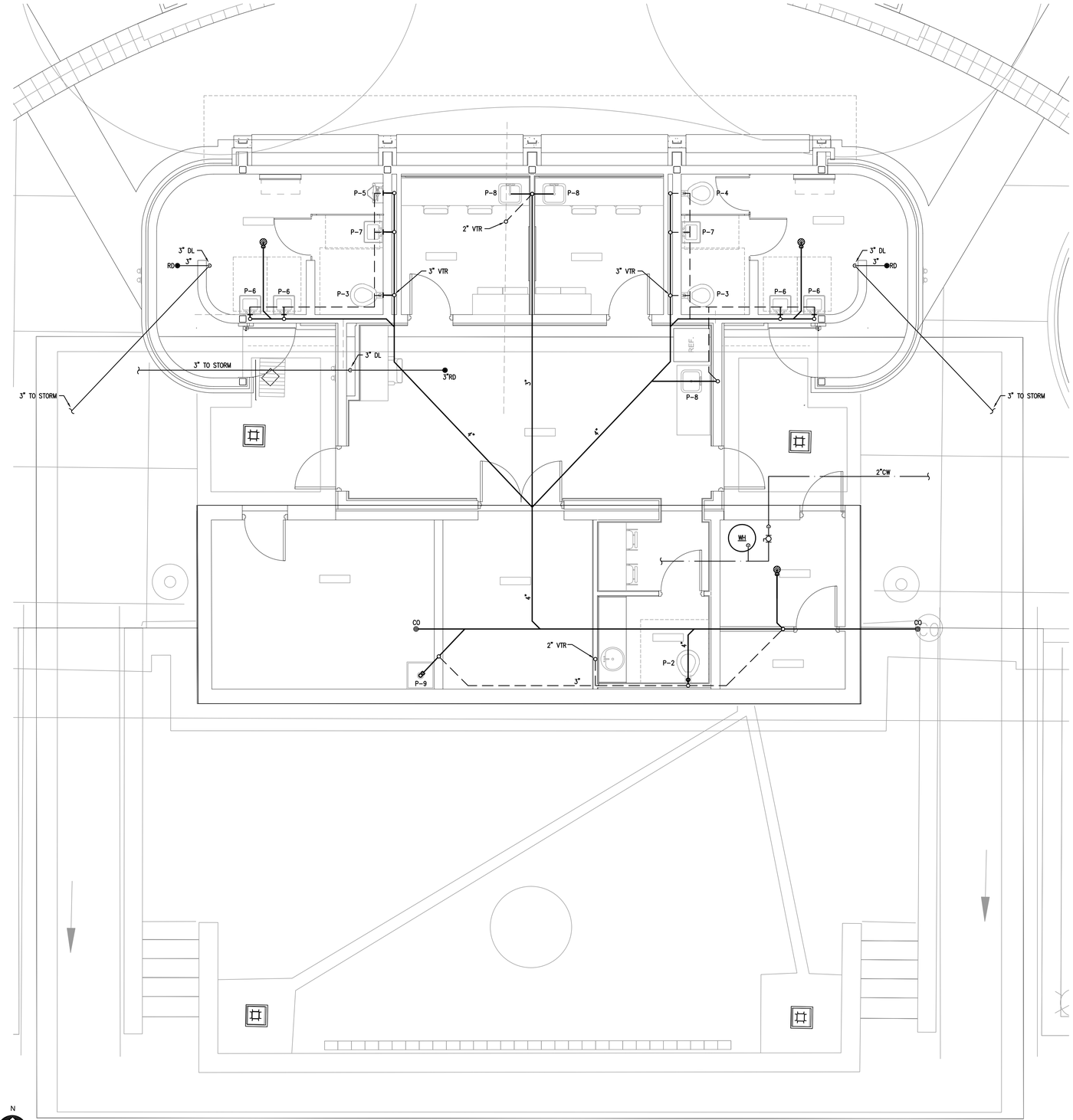
Project number	
Dated	2/02/2015
PIC	RLC
PM	RLC
Drawn by	DAH
Checked by	RLC

P001

Scale

02/02/2015

SCHEMATIC DESIGN



N

1 GREEN ROOM FLOOR PLAN - PLUMBING
1/4" = 1'-0"

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SCHEMATIC DESIGN

GAINESVILLE COMMUNITY DEVELOPEMENT AGENCY

BO DIDDLEY COMMUNITY PLAZA

11 E University Ave, Gainesville, FL 32601

H2E ENGINEERING

114 EAST 5th AVENUE TALLAHASSEE, FL
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H2E PROJECT No. 14-84

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Banks R. Wilson, P.E. #73973

GREEN ROOM FLOOR PLAN - PLUMBING

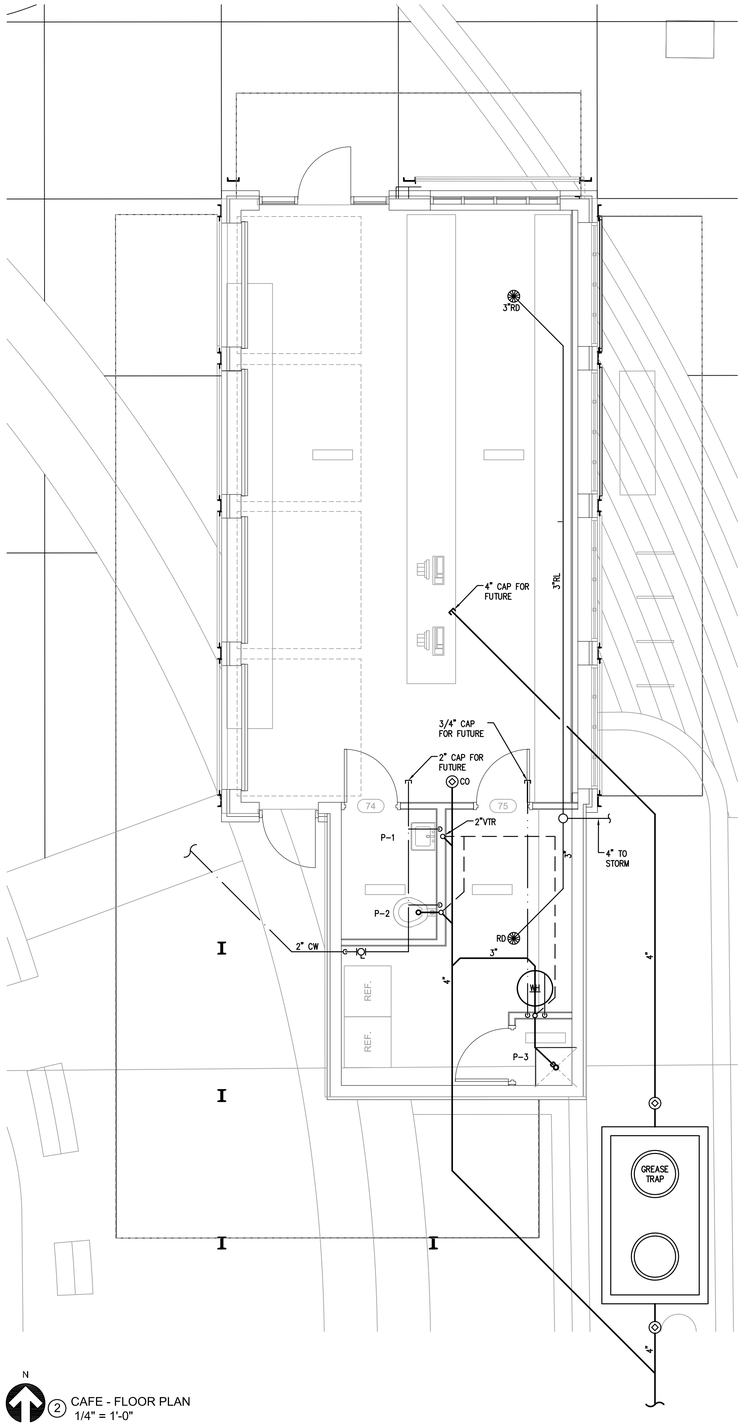
Project number	
Dated	2/02/2015
PIC	RLC
PM	RLC
Drawn by	DAH
Checked by	RLC

P101

Scale

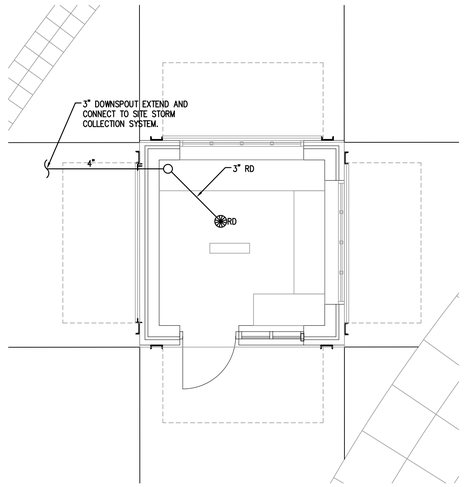
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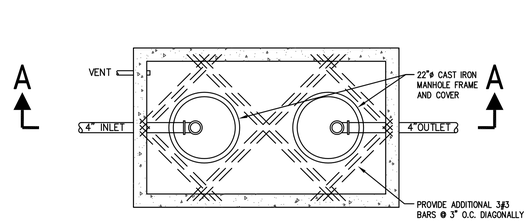
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② CAFE - FLOOR PLAN
1/4" = 1'-0"

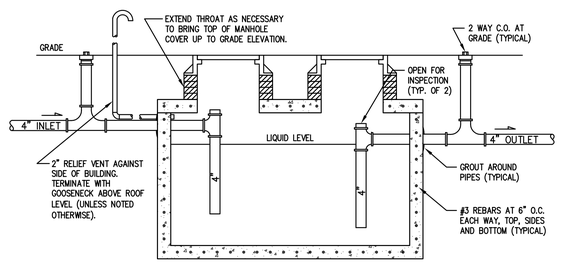


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① KIOSK - FLOOR PLAN
1/4" = 1'-0"



PLAN VIEW



SECTION "A-A"

NOTES: 1. GREASE INTERCEPTORS ARE SIZED PER FBC PLUMBING TABLE 1003.5.1

- TOTAL MEALS = 200 PER DAY
- GALLONS = TOTAL MEALS x DISHWASHER LOADING FACTOR x 5 GALLONS/MEAL
- GALLONS = 200 x 1 x 5 = 1000
- USE 1250 GALLON GREASE INTERCEPTOR

A GREASE INTERCEPTOR INSTALLATION DETAIL

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CAFE, KIOSK AND BUS SHELTER FLOOR PLAN - PLUMBING

Project number	
Dated	2/02/2015
PIC	RLC
PM	RLC
Drawn by	DAH
Checked by	RLC

P102

Scale

02/02/2015

SCHEMATIC DESIGN

CEILING RETURN OR EXHAUST REGISTERS AND GRILLES

SYMBOL	CFM	GRILLE SIZE	RUNOUT DUCT (NOTE 3)
☐ OR ☒	0 – 95	8x8	6x6
☐ OR ☒	100 – 195	10x10	8x8
☐ OR ☒	200 – 295	12x12	10x8
☐ OR ☒	300 – 595	18x18 (NOTE 2)	12x12
☐ OR ☒	600 – 695	22x22 (NOTE 1)	12x12
☐ OR ☒	700 – 795	24x24	14x12
☐ OR ☒	800 – 1500	48x24	18x14

NOTES:

1. USE FOR ALL LAY–IN CEILING APPLICATIONS.
2. USE FOR HARD CEILING APPLICATIONS WHERE SIZE OR AIRFLOW IS NOT INDICATED.
3. WHERE DUCT CONNECTION IS SHOWN, RUNOUT DUCT SHALL BE SIZE SHOWN IN SCHEDULE U.N.O.

DUCTLESS SPLIT SYSTEM SCHEDULE

INDOOR UNIT DESIGNATION			DSSI–1.1
OUTDOOR UNIT DESIGNATION			DSSO–1.1
LOCATION			KIOSK
TOTAL COOLING CAPACITY		BTU/HR	15,000
SENSIBLE COOLING CAPACITY		BTU/HR	11,280
INDOOR UNIT DATA			
	AIR QUANTITY (HIGH/MED/LOW)	CFM	519/438/335
	CONDENSATE DRAIN SIZE	IN.	5/8
	UNIT WEIGHT	LBS	26.5
OUTDOOR UNIT DATA			
	ELECTRICAL CHARACTERISTICS	V/PH	208/1
	MINIMUM CIRCUIT AMPACITY	AMPS	15
	MAXIMUM OVERLOAD PROTECTION	AMPS	20
REFRIGERANT			R–410A
SEER			18.0
MANUFACTURER			DAIKIN
MODEL NUMBER (INDOOR UNIT)			FTXN15KVJU
MODEL NUMBER (OUTDOOR UNIT)			RKN15KEVJU

NOTES:

1. PROVIDE ELECTRONIC PROGRAMMABLE THERMOSTAT
2. PROVIDE INTEGRAL CONDENSATE PUMP.

CEILING SUPPLY DIFFUSERS

SYMBOL	CFM	NECK SIZE	MINIMUM – MAXIMUM 1/2 SPACING	FACE DIMENSION	
				HARD CEILING	LAY–IN CEILING
☒	50 – 80	6"ø	4' – 5'	12x12	24x24
☒	85 – 180	8"ø	4' – 8'	12x12	24x24
☒	185 – 340	10"ø	8' – 10'	24x24	24x24
☒	345 – 500	12"ø	9' – 10'	24x24	24x24
☒	505 – 600	14"ø	10' – 12'	24x24	24x24

NOTE:

1. RUNOUT DUCTS TO DIFFUSERS SHALL BE THE SAME SIZE AS THE INDICATED NECK SIZE.

PACKAGED ROOFTOP UNIT SCHEDULE

UNIT DESIGNATION			RTU–1	RTU–2
AIR QUANTITIES				
	TOTAL SUPPLY AIR	CFM	580	1000
	FRESH AIR	CFM	0	0
COOLING CAPACITIES				
	TOTAL COOLING CAPACITY	MBH	18	29.2
	SENSIBLE COOLING CAPACITY	MBH	12.1	18.5
	NET REVERSE HEATING CAP.	MBH	16.8	28.0
AIR TEMPERATURES				
	COOLING COIL ENTERING	°db–°wb	75–63	75–63
	COOLING COIL LEAVING	°db–°wb	·	·
	HEATING COIL ENT./LEAVING	°db–°db	68–88.3	68–88.6
UNIT DATA				
	EXTERNAL ST. PRESSURE	IN. H20	0.6	0.6
	BLOWER MOTOR HORSEPOWER	HP	1/8	1/2
	CONDENSATE DRAIN SIZE	IN.	3/4	3/4
	UNIT WEIGHT	LBS.	348	321
	HEATING CAP. & NO. STAGES	KW–#	3.8–1	6.0–1
	ELECTRICAL CHARACTERISTICS	V/PH	208/1	208/1
	MCA/MOCP	AMPS/AMPS	23/25	36/40
AIRFLOW CONFIGURATION			DOWNFLOW	DOWNFLOW
REFRIGERANT TYPE			R410A	R410A
EER @ ARI			11	11
IPLV @ ARI			·	·
MANUFACTURER			TRANE	TRANE
MODEL NUMBER			4WCC3018A1000A	4WCC3030B1000A

NOTES:

1. PROVIDE SINGLE POINT ELECTRICAL POWER SUPPLY FOR AIR HANDLING UNIT AND AUXILIARY ELECTRIC HEAT.
2. PROVIDE FACTORY INSTALLED DISCONNECT SWITCH.

AIR DISTRIBUTION

AxB	RECTANGULAR SHEET METAL DUCT
Cø	ROUND SHEET METAL DUCT
	FLEXIBLE RUNOUT DUCT
OR	ROUND OR RECTANGULAR TAKE–OFF FITTING WITH BALANCING DAMPER – SEE DETAIL G/M501.
	SUPPLY AIR DUCTWORK SECTION
	RETURN OR OUTSIDE AIR DUCTWORK SECTION
	EXHAUST AIR DUCTWORK SECTION
	AIR BALANCING DAMPER (MANUAL)
FD	FIRE DAMPER IN DUCT – SEE DETAIL_____
SD	SMOKE DAMPER IN DUCT – SEE DETAIL _____
	DUCTWORK FLEXIBLE CONNECTION
AP	DUCT ACCESS PANEL
	DUCT ELBOW WITH SINGLE THICKNESS TURNING VANES
120	SIDEWALL REGISTER AND AIR FLOW (CFM) (SEE SCHEDULE FOR SIZES UNLESS NOTED OTHERWISE)
120	SQUARE CEILING SA DIFFUSER AND AIR FLOW (CFM) (SEE SCHEDULE FOR SIZES UNLESS NOTED OTHERWISE) SHADED REGION INDICATES SECTORIZING BAFFLE(S)
120	RECTANGULAR CEILING RA REGISTER AND AIR FLOW (CFM) (SEE SCHEDULE FOR SIZES UNLESS NOTED OTHERWISE) WHERE CFM IS NOT INDICATED, PROVIDE STANDARD SIZE FOR CEILING TYPE INDICATED IN SCHEDULE. SEE DETAIL H/M501.
120	RECTANGULAR CEILING EA REGISTER AND AIR FLOW (CFM) (SEE SCHEDULE FOR SIZES UNLESS NOTED OTHERWISE) SEE DETAIL H/M501.
AP	ACCESS PANEL IN INACCESSIBLE CEILING (24x24, UNO) SEE DETAIL _____
	NEW DUCT
	DOUBLE WALL ROUND SHEET METAL DUCT
	EXISTING DUCT TO REMAIN
	EXISTING MATERIALS TO BE REMOVED
DSSI–xx	WALL MOUNTED DUCTLESS SPLIT SYSTEM INDOOR UNIT SEE DETAIL A&B/M502
	DUCT MOUNTED SMOKE DETECTOR (PROVIDED BY ELECTRICAL, INSTALLED BY MECHANICAL CONTRACTOR)
UC	DOOR UNDERCUT (3/4", UNO)
DG	DOOR GRILLE (24"x16", UNO)

PIPING AND FITTINGS

C	CONDENSATE DRAIN PIPING FROM COOLING COIL
G	GAS PIPING
REF	REFRIGERANT PIPING (ONE LINE REPRESENTS BOTH LIQUID & GAS LINES)

MEASUREMENTS AND CONTROLS

T	ROOM THERMOSTAT/TEMPERATURE SENSOR

MISCELLANEOUS

	POINT OF CONNECTION, NEW TO EXISTING
	POINT INDICATES LIMIT OF DEMOLITION
	SMOKE RATED WALL
	1 HOUR FIRE RATED WALL

SIDEWALL REGISTERS AND GRILLES

CFM	SUPPLY AIR		RETURN AIR OR EXHAUST AIR	
	REGISTER SIZE	RUNOUT DUCT	REGISTER SIZE	RUNOUT DUCT
0–95	8x6	8x6	8x6	8x6
100–195	10x6	10x6	10x6	10x6
200–295	12x6	12x6	18x6	18x6
300–395	16x6	16x6	24x6	24x6
400–495	18x8	18x8	30x8	30x8
500–595	18x10	18x10	30x10	30x10

HVAC NOTES

1. TRAP AIR CONDITIONING CONDENSATE AND RUN TO SAFEWASTE AT LOCATION SHOWN ON PLANS.
2. INSTALL DUCTWORK, PIPING, ETC. AS HIGH AS POSSIBLE ABOVE CEILING.
3. COORDINATE LOCATION OF ALL EQUIPMENT, DUCTWORK AND PIPING INSTALLATIONS WITH ELECTRICAL TO PROVIDE THE REQUIRED CLEARANCES AROUND ALL ELECTRICAL PANELS, SWITCHGEAR, ETC.
4. INSTALLATION OF EQUIPMENT, DUCTWORK AND PIPING SHALL PROVIDE CONVENIENT ACCESS FOR REMOVAL OF FILTERS AND FOR MAINTENANCE.
5. DUCT SIZES GIVEN ARE SHEET METAL SIZES.
6. COORDINATE EXACT LOCATIONS OF AIR DISTRIBUTION EQUIPMENT WITH THE CEILING AND THE LIGHTING LAYOUT.
7. THE CEILING DIFFUSERS SHALL BE 4–WAY THROW UNLESS OTHERWISE NOTED.
8. PROVIDE NEW AIR FILTERS IN EACH UNIT REQUIRING FILTERS WHEN THE PROJECT IS READY FOR TEST AND BALANCE. DO NOT OPERATE UNITS WITHOUT FILTERS DURING CONSTRUCTION. REPLACE FILTERS DURING CONSTRUCTION ACCORDING TO FILTER MANUFACTURER'S RECOMMENDATIONS. SEAL ALL OPEN ENDS OF DUCT WORK DURING CONSTRUCTION.
9. WHEREVER THE DEPTH OF THE TRUNK DUCT IS LESS THAN THE ROUND RUNOUT DUCT DIAMETER, PROVIDE TRANSITION FITTING OF EQUIVALENT AREA TO THE RUNOUT DUCT.
10. PROVIDE FLEXIBLE DUCT CONNECTIONS AT EACH EQUIPMENT CONNECTION.
11. OUTSIDE AIR INTAKES SHALL NOT BE LOCATED ANY CLOSER THAN 15 FEET FROM ANY CHIMNEY OR EXHAUST OUTLET OR PLUMBING VENT TERMINAL.
12. INSTALL DUCT MOUNTED SMOKE DETECTOR (FURNISHED BY DIV. 26) IN SUPPLY AIR TRUNK DUCT BEFORE ANY TAKE–OFFS FOR AIR HANDLING UNITS WITH SUPPLY AIR CAPACITY GREATER THAN 2000 CFM AND WHERE INDICATED ON PLANS.
13. WHERE FIRE DAMPERS ARE REQUIRED, PROVIDE DUCT ACCESS DOORS TO ALLOW RE–LINKING OF DAMPER FUSIBLE LINKS. PROVIDE CEILING/WALL ACCESS PANELS WHERE INSTALLED IN INACCESSIBLE LOCATIONS; ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR UL LABEL.
14. WHERE DUCT MOUNTED SMOKE DETECTORS ARE REQUIRED, PROVIDE DUCT ACCESS DOORS TO ALLOW VIEWING AND SERVICING. PROVIDE CEILING/WALL ACCESS PANELS WHERE INSTALLED IN INACCESSIBLE LOCATIONS; ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR UL LABEL.
15. WHERE SMOKE DAMPERS OR COMBINATION FIRE/SMOKE DAMPERS ARE REQUIRED, PROVIDE DUCT ACCESS DOORS TO ALLOW RE–LINKING OF DAMPER FUSIBLE LINKS AND TO ALLOW VIEWING AND REMOVAL OF SMOKE DETECTORS. PROVIDE CEILING/WALL ACCESS PANELS WHERE INSTALLED IN INACCESSIBLE LOCATIONS; ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR UL LABEL.
16. IT IS RECOMMENDED THAT DUCTWORK BE FABRICATED FROM FIELD MEASUREMENTS TAKEN AS THE BUILDING STRUCTURE AND SPACE COMPETING SYSTEMS ARE PROGRESSIVELY INSTALLED. THE DUCTWORK AS SHOWN ON THE CONSTRUCTION DOCUMENTS IS DIAGRAMMATIC AND DOES NOT NECESSARILY INCLUDE ALL MODIFICATIONS REQUIRED TO AVOID THESE INTERFERENCES. BEFORE FABRICATING ANY DUCTWORK, CHECK THE PHYSICAL CONDITIONS AT THE JOB SITE AND MAKE CHANGES IN CROSS SECTIONS, ROUTING, OFFSETS AND SIMILAR ITEMS WHETHER SPECIFICALLY INDICATED OR NOT. VERIFY THAT SUFFICIENT CLEARANCES ARE AVAILABLE FOR INSTALLING DUCTWORK, PIPING, LIGHT FIXTURES, CEILING SYSTEMS AND TO PROVIDE EQUIPMENT SERVICE. COSTS REQUIRED TO CHANGE DUCTWORK TO FIT THE SPACE AVAILABLE AND AVOID INTERFERENCES CAUSED BY SPACE COMPETING SYSTEMS SHALL BE BORNE BY THE CONTRACTOR. NO ADDITIONAL REMUNERATION WILL BE PAID BY THE OWNER.
17. APPLY EXTERNAL INSULATION TO SINGLE WALL SUPPLY DUCTS, RETURN DUCTS AND OUTSIDE AIR DUCTS PER SPECIFICATIONS.
18. PROVIDE VOLUME CONTROL DAMPERS IN SIDE TAKE–OFF FITTINGS TO SUPPLY AIR DIFFUSERS AND EXHAUST AIR AND RETURN AIR GRILLES AND AT EACH DUCT BRANCH SERVING TWO OR MORE AIR TERMINALS, WHETHER SHOWN ON THE DRAWINGS OR NOT.
19. PROVIDE ACCESS PANEL AT EACH LOCATION WHERE A VALVE, DAMPER OR OTHER DEVICE REQUIRING SERVICE IS LOCATED ABOVE AN INACCESSIBLE CEILING OR INSIDE A WALL. ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR UL LABEL. COORDINATE ACCESS PANEL LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
20. COORDINATE LOUVER AND DEVICE LOCATIONS WITH WALL STRUCTURAL REINFORCEMENT. SEE STRUCTURAL DRAWINGS FOR LOCATION OF LINTELS, BOND BEAMS AND REINFORCING.
21. COORDINATE ALL DUCT TEST WITNESSING WITH LOCAL MECHANICAL INSPECTOR.
22. DUCT CONSTRUCTION, INCLUDING SHEET METAL THICKNESSES, SEAM AND JOINT CONSTRUCTION, REINFORCEMENTS, AND HANGERS AND SUPPORTS, SHALL COMPLY WITH SMACNA'S "HVAC DUCT CONSTRUCTION STANDARDS – METAL AND FLEXIBLE DUCT."

FAN SCHEDULE

DESIGNATION			EF–3,4,&5	EF–1,2
	TYPE		CABINET	UPBLAST
	SERVICE			
	AIR QUANTITY	CFM	70	500
	STATIC PRESSURE	IN. H20	0.3	0.3
	FAN SPEED	RPM	777	800
	FAN MOTOR	HP	59W	1/6
	FAN DRIVE		DIRECT	DIRECT
	MOTOR SPEED	RPM	1500	1075
	ELECTRICAL CHARACTERISTICS	V/PH	115/1	115/1
	BIRDSCREEN (NOTE 1)		PROVIDE	PROVIDE
	BACKDRAFT DAMPER		PROVIDE	PROVIDE
	DISCONNECT SWITCH (NOTE 13)		PROVIDE	PROVIDE
	SOLID STATE SPEED CONTROLLER		PROVIDE	PROVIDE
	NOISE LEVEL	SONES	1.3	3.4
	WEIGHT	LBS	20	100
	SPECIAL FEATURES	NOTES	1,2,3,4,6	1,5,6
	MANUFACTURER		COOK	COOK
	MODEL NUMBER		CC–144	15RH10D
	DETAIL REFERENCE			

NOTES:

1. PROVIDE BIRD SCREEN AT PENETRATION OF EXTERIOR WALL OR ROOF.
2. PROVIDE WHITE ALUMINUM INLET GRILLE.
3. PROVIDE RUBBER–IN–SHEAR ISOLATOR.
4. PROVIDE WALL CAP.
5. PROVIDE PRE–FABRICATED ROOF CURB CAP CORNERS AND DAMPER TRAY.
6. ON/OFF CONTROL BY MOTION SENSOR, PROVIDED BY DIVISION 23 AND INSTALLED & WIRE BY DIVISION 26 CONTRACTOR.

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONS.
2. FIELD VERIFY DIMENSIONS AND CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR DEFICIENCIES ASSOCIATED THEREWITH.
3. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
4. THE CONTRACTOR SHALL PAY FOR INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
5. CONSTRUCTION MANAGER SHALL BE RESPONSIBLE FOR COORDINATING WORK OF SUBCONTRACTORS TO AVOID INTERFERENCES.
6. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
7. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
8. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, OR OTHER WALL MOUNTED FURNISHINGS.
9. NOTE ANY SPECIAL REQUIREMENTS INVOLVED IN INSTALLING THE EQUIPMENT IN THE BUILDING. DISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED FOR ENTRY INTO THE BUILDING AND EQUIPMENT ROOMS.
10. PROTECT THE ROOF FROM DAMAGE WHENEVER ANY WORK ON THE ROOF IS REQUIRED.
11. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE.
12. ROOF MOUNTED EQUIPMENT SHALL BE SECURED TO STRUCTURE TO RESIST A 130 MPH WIND LOAD.
13. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES.
14. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
15. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
16. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
17. SEAL HOLES IN WALLS, CEILINGS, FLOORS, ETC. TO MATCH EXISTING ADJACENT SURFACES WHERE EQUIPMENT, CONDUIT AND/OR PIPING ARE REMOVED.
18. RELOCATE, AS REQUIRED, ANY EXISTING WIRE AND CONDUIT WHICH INTERFERES WITH INSTALLATION OF THE NEW WORK.
19. REMOVE ELECTRICAL EQUIPMENT (CONDUIT, POWER & CONTROL WIRING, DISCONNECT SWITCHES, STARTERS, ETC.) RELATED TO EQUIPMENT BEING REMOVED OR REPLACED.

DESIGN CONDITIONS

OUTDOORS			
	SUMMER TEMPERATURES	°db–°wb	94–78
	DEHUMIDIFICATION TEMPERATURES	°db–°wb	88–79
	WINTER TEMPERATURE	°db	25
INDOORS			
	OCCUPANCY USAGE		ALL
	SUMMER TEMPERATURES	°db–°wb	75–63
	WINTER TEMPERATURE	°db	70

ABBREVIATIONS

BHP	BRAKE HORSEPOWER	HP	HEAT PUMP UNIT OR HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR	IN	INCHES
C	CONDENSATE	MCA	MINIMUM CIRCUIT AMPACITY
CFM	CUBIC FEET PER MINUTE	MOCP	MAXIMUM OVERLOAD PROTECTION
DG	DOOR GRILLE (24"x16", UNO)	N/A	NOT APPLICABLE
DL	FIRE RATED DOOR LOUVER (24"x16", UNO)	OA	OUTSIDE AIR
		RA	RETURN AIR
DN	DOWN	RAG	RETURN AIR GRILLE
DSSI	DUCTLESS SPLIT SYSTEM INDOOR UNIT	REF	REFRIGERANT
DSSO	DUCTLESS SPLIT SYSTEM OUTDOOR UNIT	RPM	REVOLUTIONS PER MINUTE
		RTU	ROOF TOP UNIT
EA	EXHAUST AIR	SA	SUPPLY AIR
EF	EXHAUST FAN	SD	SMOKE DAMPER
EX	EXISTING	TAG	TRANSFER AIR GRILLE
°db	DEGREES FAHRENHEIT DRY BULB	TYP	TYPICAL
°wb	DEGREES FAHRENHEIT WET BULB	UC	DOOR UNDERCUT (3/4", UNO)
FD	FIRE DAMPER	UNO	UNLESS NOTED OTHERWISE
FSD	COMBINATION FIRE/SMOKE DAMPER	WG	WATER GAUGE
FT	FEET		

DRAWING INDEX

M001 GENERAL NOTES, LEGEND AND SCHEDULES – HVAC
M101 GREEN ROOM – FLOOR PLAN – HVAC
M102 CAFE, KIOSK, AND BUS SHELTER – FLOOR PLAN – HVAC

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SCHEMATIC DESIGN

GAINESVILLE COMMUNITY DEVELOPEMENT AGENCY

BO DIDDLEY COMMUNITY PLAZA

11 E University Ave, Gainesville, FL 32601

LEGENDS AND DETAILS - HVAC

Project number	
Dated	2/02/2015
PIC	RLC
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Drawn by	DAH
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M001

Scale

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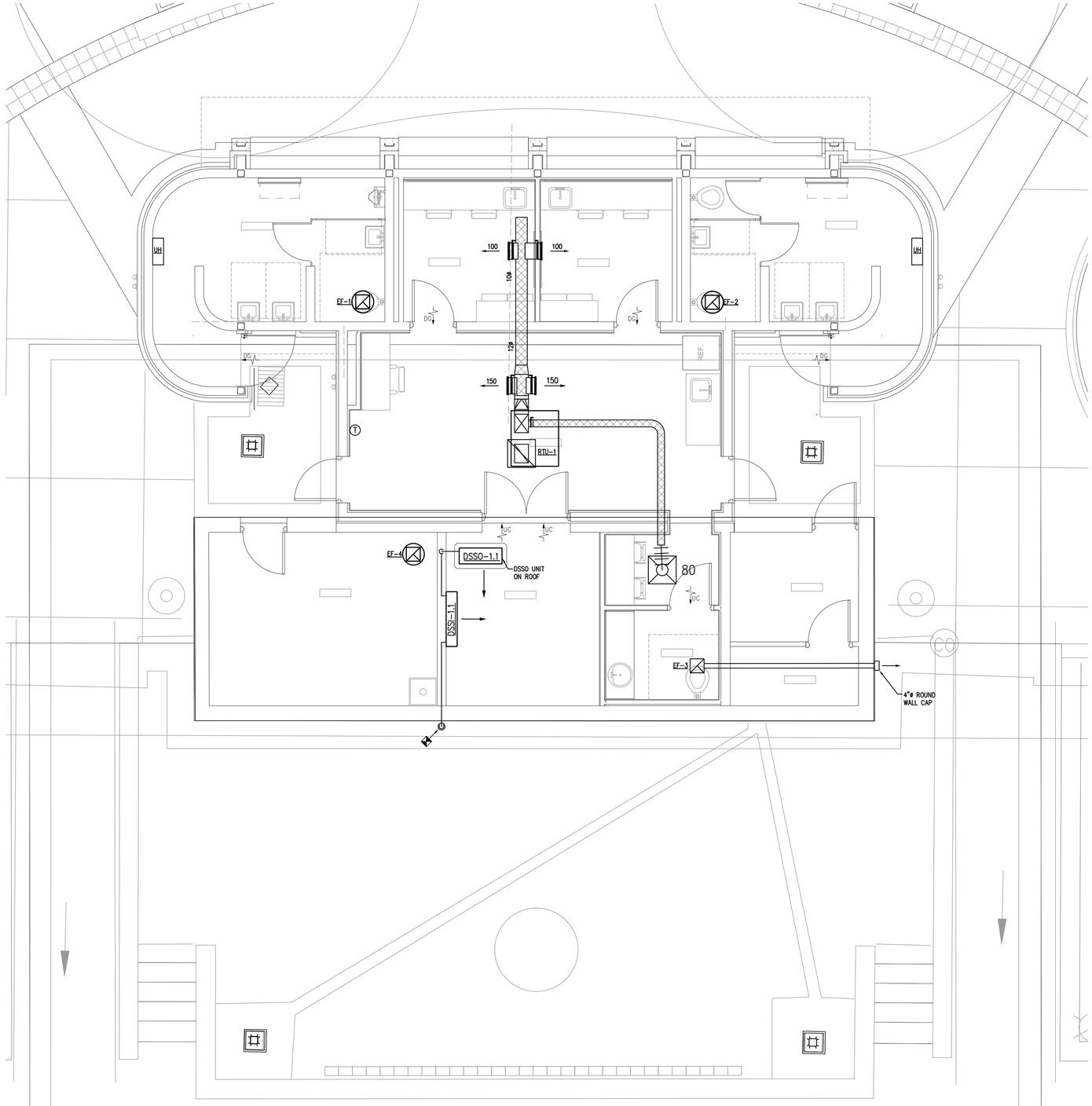
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02/02/2015

SCHEMATIC DESIGN



1 GREEN ROOM FLOOR PLAN - HVAC
1/4" = 1'-0"

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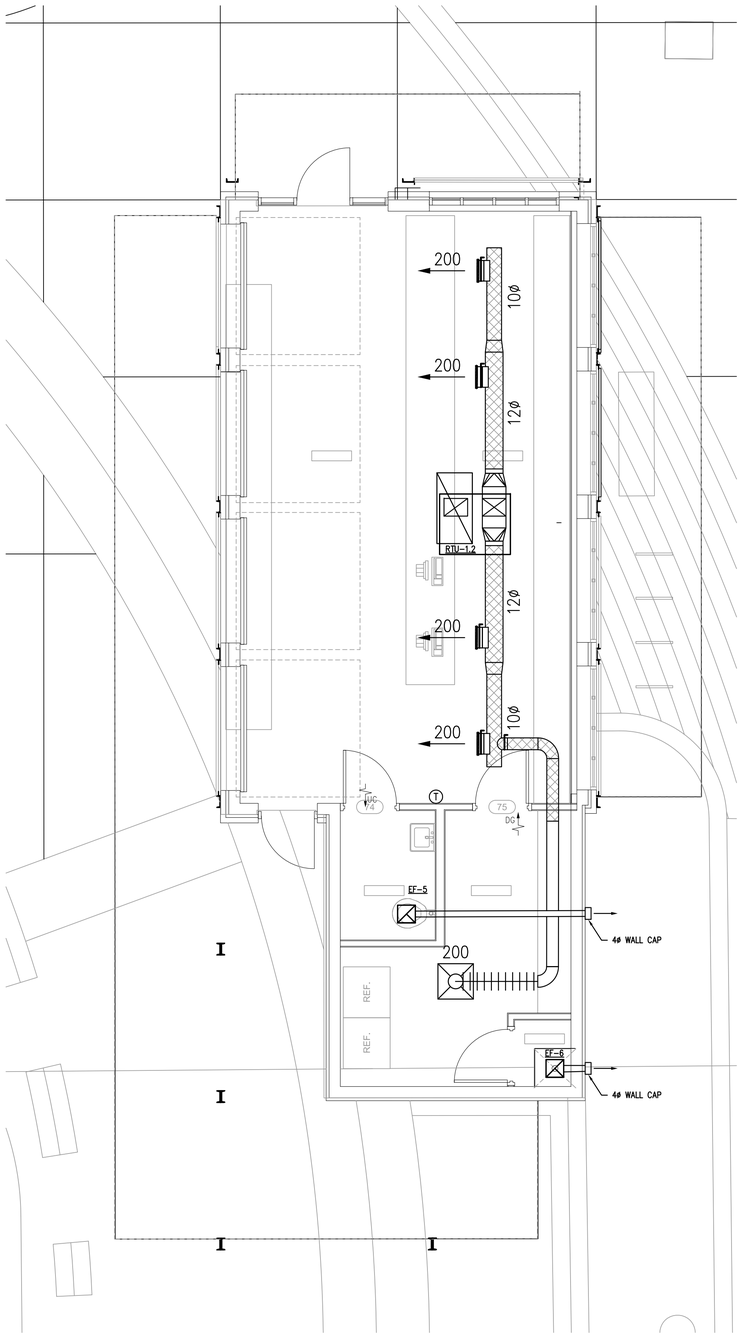
GREEN ROOM FLOOR PLAN - HVAC

Project number	
Dated	2/02/2015
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M101

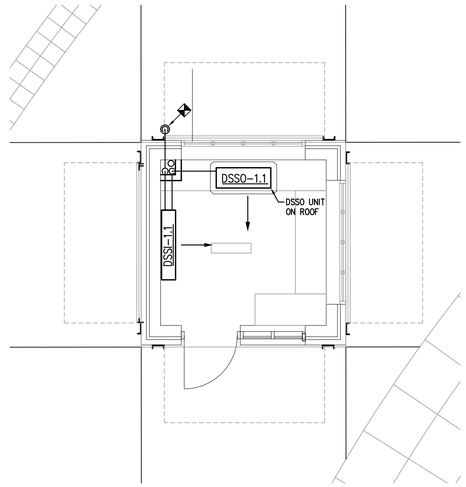
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SCHEMATIC DESIGN



N

2 CAFE - FLOOR PLAN
1/4" = 1'-0"



N

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

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CAFE, KIOSK AND BUS SHELTER FLOOR PLAN - HVAC

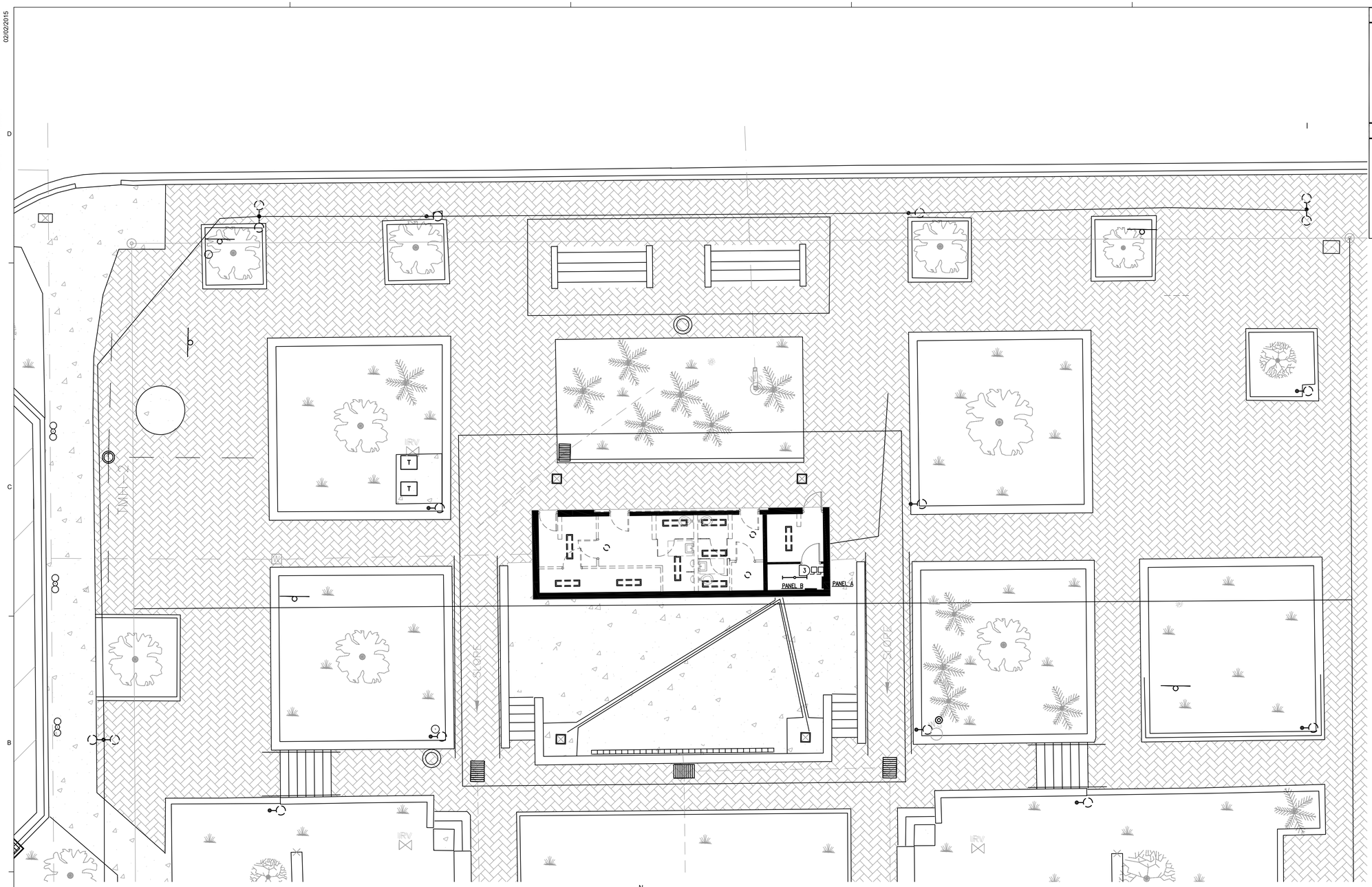
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Scale

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SCHEMATIC DESIGN



N

1 DEMO - ELECTRICAL
1/4" = 1'-0"

GENERAL NOTES

1. DASHED LINE TYPE DENOTES EXISTING EQUIPMENT THAT IS TO BE REMOVED UNDER THIS CONTRACT.
2. REMOVE EXISTING FIRE ALARM DEVICES AND RECEPTACLES FROM WALLS INDICATED TO BE DEMOLISHED.
4. EXISTING CONDITIONS ARE BASED ON AVAILABLE INFORMATION. NO GUARANTEE IS MADE TO THE COMPLETENESS OR ACCURACY OF THE INFORMATION. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOUND.

KEY NOTES - DEMO

1. DEMOLISH RTU AND ASSOCIATED ELECTRICAL EQUIPMENT, SEE MECHANICAL DRAWINGS.
2. REMOVE EXISTING EXHAUST FAN AND ASSOCIATED ELECTRICAL EQUIPMENT, SEE MECHANICAL DRAWINGS.
3. REMOVE EXISTING DISCONNECT SWITCHES AND ASSOCIATED WIRING AND CONDUIT.

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DEMO - ELECTRICAL

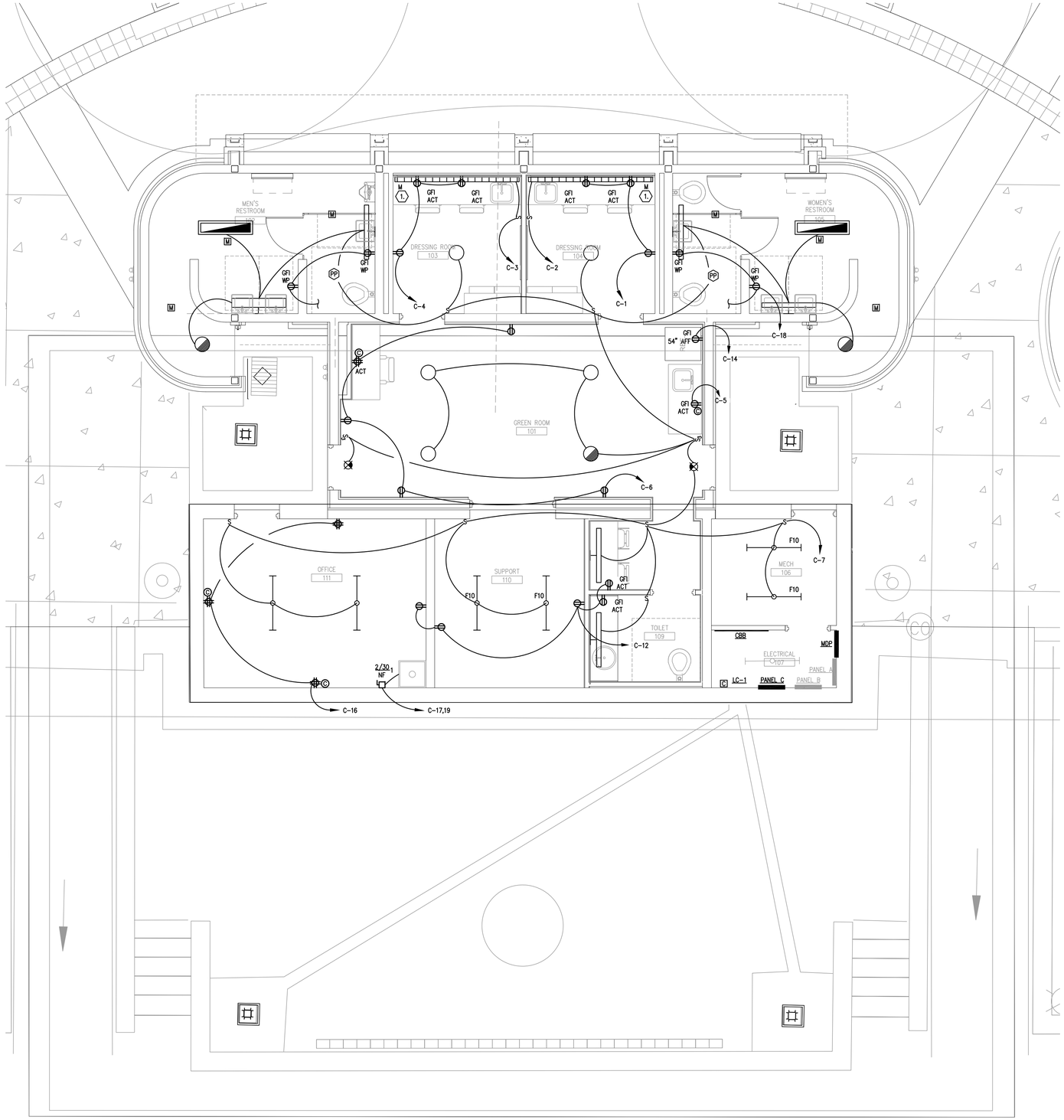
Project number	
Dated	2/02/2015
PIC	BRW
PM	BRW
Drawn by	SDS
Checked by	BRW

ED101

Scale 1/4" = 1'-0"

02/02/2015

SCHEMATIC DESIGN



N

1 GREEN ROOM FLOOR PLAN - ELECTRICAL
1/4" = 1'-0"

GENERAL NOTES

1. ALL 4' STRIP FIXTURES ARE TYPE F11, UNO.
2. ALL CIRCULAR DOWNLIGHTS ARE TYPE G, UNO.
3. ALL 4' LINEAR FIXTURES ARE TYPE L, UNO.
4. ALL EXIT FIXTURES ARE TYPE E, UNO.

KEY NOTES

1. SEE DETAIL C (SHEET E201) FOR TYPICAL MARQUEE LIGHT CONFIGURATION. REFER TO ARCHITECTURAL ELEVATIONS FOR DETAILS.

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GREEN ROOM FLOOR PLAN - ELECTRICAL

Project number	
Dated	2/02/2015
PIC	BRW
PM	BRW
Drawn by	SDS
Checked by	BRW

E101

Scale 1/4" = 1'-0"

02/02/2015

SCHEMATIC DESIGN

ELECTRICAL SYMBOLS LEGEND

NOTE: AN ELECTRICAL SYMBOL SHOWN IN THIS LEGEND IS NOT MEANT TO INDICATE THAT THE SPECIFIC EQUIPMENT IS REQUIRED FOR THIS PROJECT. (SEE THE FOLLOWING SHEETS FOR EQUIPMENT REQUIRED ON THIS PROJECT.)

POWER

	DUPLEX RECEPTACLE – 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 18" AFF UNLESS NOTED OTHERWISE
	DUPLEX RECEPTACLE – 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT ABOVE COUNTERTOP
	QUADRAPLEX RECEPTACLE – 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 18" AFF UNLESS NOTED OTHERWISE
	SPECIAL PURPOSE RECEPTACLE – PROVIDE RECEPTACLE TO MATCH EQUIPMENT TO BE SERVED, MOUNT 18" AFF UNLESS NOTED OTHERWISE
	RECESSED FLOOR QUADRAPLEX RECEPTACLE. (WALKER #RFB-4 / TWO RFB-DR).
J	12"x12"x4" DEEP PULL/JUNCTION BOX W/SCREW COVER (UNO)
J	JUNCTION BOX – 4" SQUARE UNLESS NOTED OTHERWISE
	WIRE IN CONDUIT – CONCEALED IN WALL OR CEILING
	WIRE IN CONDUIT – CONCEALED IN FLOOR OR UNDERGROUND
	FLEXIBLE STEEL CONDUIT
	CONDUIT – STUB OUT AND CAP
	HOMERUN TO PANEL – SLASH MARKS INDICATE NUMBER OF PHASE CONDUCTORS, NO SLASH MARKS INDICATE 2 CURRENT CARRYING CONDUCTORS, LONG SLASH MARK(S) INDICATE NEUTRAL CONDUCTOR(S). (NOTE THAT THE GREEN GROUND WIRE IS NOT SHOWN BUT IS REQUIRED IN EACH FEEDER, LIGHTING, RECEPTACLE, AND POWER BRANCH CIRCUIT.) THERE SHALL BE NO SHARED NEUTRALS BETWEEN MULTIPLE CIRCUITS.

* EQUIPMENT SIZES WILL BE INDICATED AS FOLLOWS:

AMP RATING & POLE QTY.

STARTER NEMA SIZE (NO NO. SHOWN FOR DISC SWITCHES) — 1 — 30/3 / 25AF — 3R

NEMA ENCLOSURE TYPE

FUSE AMPS OR NON-FUSED (AS SHOWN)

	ELECTRIC PANEL – 120/208 VOLT
	ELECTRIC PANEL – 277/480 VOLT
	UTILITY METER
(S)	MOTOR – NUMBER INDICATES HORSEPOWER
T	TRANSFORMER
	DISCONNECT SWITCH – SEE DRAWING FOR SIZE *
	MAGNETIC MOTOR STARTER – SEE DRAWING FOR SIZE *
	COMBINATION DISCONNECT SWITCH & MAGNETIC MOTOR STARTER – WHEN SERVING MOTOR 15 HP OR LARGER, REDUCED VOLTAGE STARTER IS REQUIRED. (SEPARATE ITEMS ACCEPTABLE IN PLACE OF COMBINATION) – SEE DRAWING FOR SIZE *
S W	ELECTRICAL DEVICES TO BE REMOVED

LIGHTING FIXTURE SCHEDULE

CONTRACTOR SHALL COORDINATE FIXTURE TYPE WITH ARCHITECTURAL FINISH SCHEDULE(S)
VOLTAGE 120V UNLESS NOTED OTHERWISE

TYPE	MANUFACTURER	CATALOG NUMBER	LAMPS (1) NO.	LAMPS (1) TYPE	REMARKS (2)
E	LITHONIA DAYBRITE METALUX	LVSW*R120/277ELNUM4X EQUAL (*SEE DWG. FOR NO. OF FACES) EQUAL	INCL.	LED	EXIT LIGHT W/ LED LAMPS – STENCIL FACE W/RED LETTERS IN CAST ALUM. HOUSING W/ POLY. FACEPLATE – UNIV. MOUNTING UL LISTED 4X, WET LOCATION, HOSE DOWN & EMER. BATTERY
F10	LITHONIA DAYBRITE METALUX	C132MVGEB10IS/WGCUN EQUAL EQUAL	1	F32/T8	4' FLUORESCENT GENERAL PURPOSE STRIP – STEEL HOUSING – SURFACE OR CHAIN MOUNTED WITH WIRE GUARD AND <10% THD ELECTRONIC BALLAST
F11	LITHONIA DAYBRITE METALUX	C232MVGEB10IS/WGCUN EQUAL EQUAL	2	F32/T8	4' FLUORESCENT GENERAL PURPOSE STRIP – STEEL HOUSING – SURFACE OR CHAIN MOUNTED WITH WIRE GUARD AND <10% THD ELECTRONIC BALLAST
G	LUMINAIRE LED EQUAL EQUAL	ARV13–25W HP4000K–OP–BLK EQUAL EQUAL	1	25W LED	CEILING MOUNT, CIRCULAR DOWNLIGHT, FULL CUT–OFF, LED FIXTURE, MARINE GRADE ALUMINUM MFG LIFETIME WARRANTY FOR DAMAGE DUE TO VANDALISM
L	LUMINAIRE LED EQUAL EQUAL	VPF44–25W HP4000K–OP–BLK EQUAL EQUAL	1	25W LED	WALL MOUNT, LINEAR FIXTURE, FULL CUT–OFF, LED FIXTURE, MARINE GRADE ALUMINUM MFG LIFETIME WARRANTY FOR DAMAGE DUE TO VANDALISM
L2	LUMINAIRE LED EQUAL EQUAL	VPF42–15W HP4000K–OP–BLK EQUAL EQUAL	1	25W LED	WALL MOUNT, LINEAR FIXTURE, FULL CUT–OFF, LED FIXTURE, MARINE GRADE ALUMINUM MFG LIFETIME WARRANTY FOR DAMAGE DUE TO VANDALISM
M	BELFER EQUAL EQUAL	25026SF EQUAL EQUAL	36	60W G25	WALL MOUNT, INCANDESCENT MARQUEE STRIP FIXTURE, LAMP GUARD REQUIRED P–1294–01–45, LENGTH DETERMINED BY MIRROR DIMENSIONS.
PD	WE–EF EQUAL EQUAL	631–1032 EQUAL EQUAL	1	CFM 32W	PENDANT MOUNTED LUMINAIRE, DIFFUSED DISTRIBUTION, COMPACT FLUORESCENT INSTALL 8' AFF
PL1	PHILLIPS EQUAL EQUAL	CPLS–40W30LED4K–ES–LE2F EQUAL EQUAL	1	40W LED	FLAT LENS, 4000K, ONE SIDE, HEIGHT 14FT
PL1–2	PHILLIPS EQUAL EQUAL	CPLS–40W30LED4K–ES–LE2F EQUAL EQUAL	2	40W LED	FLAT LENS, 4000K, TWO SIDES, HEIGHT 16FT
PL2–2	PHILLIPS EQUAL EQUAL	CPLM–90W49LED4K–ES–LE2F EQUAL EQUAL	2	90W LED	FLAT LENS, 4000K, TWO SIDES, HEIGHT 25FT
SL	SISTEMALUX EQUAL EQUAL	S4615W W/S4523A–4K EQUAL EQUAL	1	15W LED	RECESSED LUMINAIRE IN DIE CAST ALUMINUM, DOWNWARD TRIM FOR WALKWAYS AND STAIRCASES. VANDAL RESISTANT
SM	WE–EF EQUAL EQUAL	630–1321 EQUAL EQUAL	1	24W LED	SURFACE MOUNTED EXTERIOR DOWNLIGHT, WIDE BEAM, 4000K
WM	WE–EF EQUAL EQUAL	622–6523 EQUAL EQUAL	1	24W LED	SURFACE MOUNTED WALL WASH, INSTALL IN DOWN LIGHT POSITION, MOUNT 8' AFF
WS	WE–EF EQUAL EQUAL	624–1033 EQUAL EQUAL	1	CFM 32W	SURFACE MOUNTED WALL LUMINAIRE, COMPACT FLUORESCENT MOUNT 7' AFF

LIGHT FIXTURES DEEMED EQUAL TO THOSE SPECIFIED SHALL BE SUBMITTED FOR APPROVAL IN ACCORDANCE WITH SPECIFICATIONS.
(1) ALL 2' FLUORESCENT LAMPS SHALL BE 3500k UNLESS NOTED OTHERWISE.
(2) PROVIDE EMERGENCY BATTERY PACKS WHERE INDICATED ON DRAWINGS.

ELECTRICAL SYMBOLS LEGEND CONT.

LIGHTING AND LIGHTING CONTROLS

A##	FLUORESCENT LIGHT FIXTURE – CAPITAL LETTER INDICATES FIXTURE TYPE
	FLUORESCENT FIXTURE ON EMERGENCY GENERATOR CIRCUIT OR WITH NICKEL CADMIUM BATTERY CAPABLE OF POWERING FLUORESCENT LAMPS AT 30–40% OF INITIAL LUMENS FOR 90 MINUTES OR LONGER
	FLUORESCENT STRIP FIXTURE
	LED, INCANDESCENT, HID, OR COMPACT FLUORESCENT FIXTURE
	SUSPENDED LED, INCANDESCENT, HID, OR COMPACT FLUORESCENT FIXTURE
	LED, INCANDESCENT, HID, OR COMPACT FLUORESCENT FIXTURE ON EMERGENCY GENERATOR CIRCUIT OR WITH NICKEL CADMIUM BATTERY CAPABLE OF POWERING COMPACT FLUORESCENT LAMPS AT 66 –80% INITIAL LUMENS FOR 90 MINUTES
	EXIT LIGHT FIXTURE – PROVIDE ARROWS WHERE SHOWN. SHADING INDICATES FACE(S) OF EXIT LIGHT (POWERED EXIT SIGNS SHALL BE WIRED "UNSWITCHED")
	EMERGENCY LIGHTING UNIT
	INCANDESCENT TRACK LIGHTS OR THEATRICAL STRIP LIGHTS
	HIGH INTENSITY DISCHARGE (HID) POLE MOUNTED FIXTURE
	EXTERIOR POST–TOP OR GROUND MOUNTED FIXTURE
P	PHOTOELECTRIC CELL – MOUNT NEAR TOP OF EXTERIOR WALL WHERE IT IS IN DIRECT SUNLIGHT
	DENOTES WALL MOUNTED DEVICE
C CNT	LIGHTING CONTACTOR
S	SINGLE–POLE TOGGLE SWITCH – 120/277 VOLT, 20 AMP, MOUNT 48" AFF
S_3	THREE–WAY SWITCH – 120/277 VOLT, 20 AMP, MOUNT 48" AFF
S_4	FOUR–WAY SWITCH – 120/277 VOLT 20 AMP, MOUNT 48" AFF
S_K	KEY OPERATED SWITCH – 120/270 VOLT, 20 AMP, MOUNT 48" AFF
S_D	DIMMER SWITCH – 120/277 VOLT, 20 AMP, MOUNT 48" AFF LUTRON N1000 (UNO)
S_D	DIMMER SWITCH – 120/277 VOLT, 20 AMP, MOUNT 48" AFF (1500 W FOR INCANDESCENT & LOW VOLTAGE)
S_M	MOTOR RATED TOGGLE SWITCH (20A/1P U.N.O.)
S_P	SINGLE–POLE TOGGLE SWITCH WITH "LIGHTS ON" PILOT LIGHT.
S	EXISTING SWITCH TO BE REMOVED
M	OCCUPANCY SENSOR – LINE VOLTAGE, WALL MOUNTED, DUAL TECHNOLOGY, SINGLE RELAY – MOUNT 48" AFF (B.O.D. – GREENGATE; ONW–D–1001–MV–N–W)
M	OCCUPANCY SENSOR – LINE VOLTAGE, CEILING MOUNTED
M	OCCUPANCY SENSOR – LOW VOLTAGE, CEILING MOUNTED
PP	POWER/SWITCH PACK – MATCH VOLTAGE OF LIGHTS – LOCATE ABOVE ACCESSIBLE CEILING WHERE POSSIBLE.

CEILING TYPES (FOR INFORMATION ONLY)

	2' X 2' ACOUSTICAL GRID CEILING
	GYPSUM BOARD CEILING
	CONCRETE SLAB OR HOLLOW–CORE CEILING

TELECOMMUNICATIONS

CBB	COMMUNICATIONS BACKBOARD – EXTERIOR GRADE PLYWOOD, 8' HIGH X3/4" THICK X WIDTH SHOWN ON PLANS. [PROVIDE #6 GRD. WIRE WITH 8FT. OF COILED SLACK. ROUTE #6 IN 1/2"C. TO MAIN BLDG. GRD.]
C	COMMUNICATIONS TERMINAL OUTLET – 4" SQUARE OUTLET BOX, 2 1/8" DEEP WITH 1–GANG PLASTER RING. MOUNT AT 18" AFF. ROUTE 1" CONDUIT. HOMERUN TO CBB (UP WALL TO ABOVE CEILING, TURN INTO CEILING SPACE AND PROVIDE BUSHING).
	OPEN CABLE TRAY LOCATED ON TOP OF CORRIDOR STRUCTURAL PRE–FAB CONCRETE. SEE SPECIFICATIONS

ELECTRICAL GENERAL NOTES

1. INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2010 EDITION, THE FLORIDA FIRE PREVENTION CODE 2014 EDITION, THE NATIONAL ELECTRICAL CODE 20011 EDITION, AND ALL CODES, ORDINANCES, RULES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION AT THIS SITE. WHERE CONFLICTS OCCUR BETWEEN CODES AND THE CONSTRUCTION DOCUMENTS, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
2. ENTRY AND REMOVAL OF EQUIPMENT FROM THE BUILDING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR ANY DAMAGED MATERIALS TO THEIR ORIGINAL CONDITION. SURFACES SHALL BE REPAIRED TO MATCH THE EXISTING ADJACENT UNDAMAGED SURFACES.
3. ALL CONDUIT SHALL BE STRAPPED IN ACCORDANCE WITH REQUIREMENTS OF N.E.C.
4. CONTRACTOR SHALL BOND AND GROUND SYSTEMS AND EQUIPMENT PER ARTICLE 250 OF N.E.C. PROVIDE A GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH ARTICLE 250–122 N.E.C. ON ALL RECEPTACLES AND POWER BRANCH CIRCUITS.
5. LIGHTING FIXTURES SHALL BE SECURELY FASTENED AND SUPPORTED PER N.E.C.
6. THE CONTRACTOR SHALL COORDINATE THE CIRCUIT REQUIREMENTS WITH THE MANUFACTURER OF THE ACTUAL EQUIPMENT FURNISHED UNDER OTHER DIVISIONS OF WORK. THE CIRCUIT BREAKER, WIRE AND CONDUIT SHALL BE SIZED AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
7. ALL CIRCUIT BREAKERS SHALL BE BOLT–IN TYPE.
8. PROVIDE A LAMINATED PLASTIC NAMEPLATE IDENTIFYING EACH NEW PANELBOARD, MOTOR STARTER AND DISCONNECT SWITCH. LETTERING SHALL BE 1/2" MINIMUM AND SHALL IDENTIFY EQUIPMENT SERVED, FEEDER ORIGINATION AND CIRCUIT NUMBER. SECURE NAMEPLATE WITH SCREWS TO EQUIPMENT TO BE IDENTIFIED. PLASTIC TAPE IS NOT APPROVED.
9. A 120V/20A GFI RECEPTACLE SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION FOR THE SERVICING OF HEATING, AIR–CONDITIONING, AND REFRIGERATION EQUIPMENT. THE RECEPTACLE SHALL BE LOCATED WITHIN 25 FT OF THE HEATING, AIR–CONDITIONING, AND REFRIGERATION EQUIPMENT. THE OUTLET SHALL NOT BE CONNECTED TO THE LOAD SIDE OF THE EQUIPMENT DISCONNECTING MEANS.
10. ALL DEVICE MOUNTING HEIGHTS INDICATED SHALL BE TO OUTLET BOX CENTER LINE.
11. VOLTAGE DROP SHALL BE LIMITED TO 2% FOR FEEDERS AND 3% FOR BRANCH CIRCUITS PER FBC ENERGY 505.7.3. THE WIRE SIZES LOCATED ON THE PANEL SCHEDULES GENERALLY MEET THIS REQUIREMENT. NOTIFY ENGINEER OF ANY FIELD CONDITIONS THAT REQUIRE SUBSTANTIALLY INDIRECT ROUTING OF WIRES.
12. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH 120V BRANCH CIRCUIT.

ELECTRICAL DEMOLITION NOTES

1. UNLESS OTHERWISE NOTED, REMOVE ALL ELECTRICAL MATERIALS AND EQUIPMENT FROM AREAS INDICATED FOR DEMOLITION.
2. REMOVE UNUSED CONDUIT TO THE EXTENT NECESSARY TO ACCOMMODATE NEW WORK AND WHERE CONDUIT IS VISIBLE ABOVE THE FLOOR LINE. EXISTING UNUSED CONDUIT WHICH IS CONCEALED, AND WHICH DOES NOT INTERFERE WITH THE WORK, MAY REMAIN IN PLACE. SEAL ABANDONED LINES THAT REMAIN IN PLACE BEHIND WALLS OR FLOOR SURFACES. REMOVE EXISTING UNUSED WIRES.
3. WIRING AND CONDUIT TO ELECTRICAL DEVICES BEING REMOVED SHALL BE REMOVED BACK TO NEAREST JUNCTION BOX. ANY DEVICES DOWNSTREAM FROM THESE POINTS SHALL REMAIN OPERABLE.
4. CONTRACTOR SHALL REMOVE ALL ELECTRICAL WORK FROM PARTITIONS AND WALLS BEING REMOVED. CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL LIGHTING FIXTURES SHOWN REQUIRING WORK. WORK INCLUDES REWIRING TO THE FIXTURES, SWITCHES AND RECEPTACLES. CONNECTION TO EXISTING CIRCUITS SHALL BE MADE EXCEPT WHERE OVERLOADING OCCURS. IN WHICH CASE, CONTRACTOR SHALL PROVIDE A NEW HOMERUN TO CLOSEST AVAILABLE PANEL AND PROVIDE A NEW CIRCUIT BREAKER EQUAL TO EXISTING. THE CIRCUITS TO NEW EQUIPMENT BY OTHER SHALL BE NEW HOMERUNS AND NEW CIRCUIT BREAKERS ADEQUATE FOR THE LOAD CONNECTED.
5. CONTRACTOR SHALL, UPON COMPLETION OF WORK, ENSURE ALL EXISTING CIRCUITS ADJACENT THE REMODELED AREA(S) ARE IN PROPER WORKING CONDITION.
6. CONTRACTOR SHALL MAKE ALL NECESSARY ADJUSTMENTS TO ELECTRICAL DEVICES REQUIRED TO ACCOMMODATE NEW WALLS AND CEILINGS. BECAUSE OF THE NATURE OF THE JOB, UNFORESEEN INTERFERENCES MAY OCCUR. CLOSE COORDINATION BETWEEN TRADES IS REQUIRED. VERIFY ALL CONNECTION REQUIREMENTS BEFORE ROUGH–IN.
7. ALL FAN COIL UNITS AND UNIT VENTILATORS NOT SHOWN CONNECTED TO THE BREAKERS ARE REPLACING SIMILAR UNITS AT OR IMMEDIATELY ADJACENT TO NEW UNITS. EXTEND CIRCUITS AND MAKE CONNECTION AS REQUIRED BEING CAREFUL NOT TO OVERLOAD EXISTING CIRCUIT. PROVIDE NEW CIRCUITS IF REQUIRED.

ELECTRICAL SPECIFICATIONS

1. ALL MATERIALS INSTALLED SHALL BE UL LISTED OR EQUIVALENT ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
2. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 300 OF THE NEC. FEEDERS SHALL UTILIZE TYPE THHN/THWN COPPER CONDUCTORS IN CONDUIT. BRANCH CIRCUITS SHALL UTILIZE TYPE THHN/THWN COPPER CONDUCTORS IN CONDUIT.
3. ENCLOSED SWITCHES SHALL BE HEAVY DUTY TYPE WITH MINIMUM 240V RATING. PROVIDE EQUIPMENT GROUND LUG. PROVIDE NEUTRAL LUG KIT FOR EACH SWITCH CONTAINING A NEUTRAL CONDUCTOR. PROVIDE NEMA 3R A ENCLOSURE FOR SWITCHES INSTALLED AT EXTERIOR OR OTHER WET LOCATIONS. PROVIDE NEMA 1 ENCLOSURE FOR SWITCHES INSTALLED IN DRY LOCATIONS.
4. PANELBOARDS SHALL BE THREE PHASE, FOUR WIRE WITH MINIMUM 240V RATING. ALL BUSSING SHALL BE COPPER. PROVIDE A GROUNDING BUS IN EACH PANELBOARD. PROVIDE NEMA 3R A ENCLOSURE FOR PANELS INSTALLED AT EXTERIOR OR OTHER WET LOCATIONS. PROVIDE NEMA 1 ENCLOSURE FOR PANELS INSTALLED IN DRY LOCATIONS. PROVIDE A TYPE WRITTEN SCHEDULE FOR EACH PANEL.
5. CIRCUIT BREAKERS SHALL BE BOLT ON THERMAL MAGNETIC TYPE UNLESS OTHERWISE NOTED ON THE PLANS. PROVIDE SHUNT TRIP BREAKERS WHERE NOTED ON DRAWINGS.
6. FUSES SHALL BE TYPE RK1 UNLESS NOTED OTHERWISE ON THE PLANS.
7. INTERIOR CONDUIT SHALL BE EMT OR IMC. EXT CONDUIT SHALL UTILIZE STEEL COMPRESSION FITTINGS. ALL EXTERIOR CONDUIT SHALL BE SCHEDULE 40 PVC UNLESS NOTED OTHERWISE. THE CONTRACTOR MAY USE OTHER CONDUIT MATERIALS AT HIS DISCRETION PROVIDED THAT THEY COMPLY WITH THE NEC.
8. WIRING DEVICES, INCLUDING RECEPTACLES AND TOGGLE SWITCHES, LOCATED IN PUBLIC SPACES SHALL HAVE A MINIMUM RATING OF 20A. PROVIDE GFCI TYPE RECEPTACLES (PERSONNEL PROTECTION) AT BUILDING EXTERIOR, WHEN DEVICE IS LOCATED WITHIN SIX FEET OF A WATER SOURCE AND WHERE NOTED ON THE DRAWINGS. PROVIDE WEATHERPROOF COVERS FOR EXTERIOR RECEPTACLES.
9. GROUNDING CONNECTIONS ABOVE GRADE MAY UTILIZE LISTED MECHANICAL CONNECTORS. GROUNDING BUSBARS SHALL BE COPPER. GROUNDING TERMINAL STRIPS MAY BE COPPER OR ALUMINUM AND SHALL BE LISTED FOR CONNECTION TO BOTH COPPER AND ALUMINUM CONDUCTORS.

ABBREVIATIONS

ACT	ABOVE COUNTERTOP
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ATS	AUTOMATIC TRANSFER SWITCH
DN	DOWN
EM	FIXTURE WITH BATTERY BALLAST
EGC	EQUIPMENT GROUNDING CONDUCTOR
GFI	GROUND FAULT INTERRUPTER
G	GROUND
MFG	PER MANUFACTURER'S REQUIREMENTS
UNO	UNLESS NOTED OTHERWISE
WP	WEATHERPROOF

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
2. FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH.
3. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
4. THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
5. ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
6. ERECT AND MAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
7. COORDINATE AND SEQUENCE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE–CONSTRUCTION CONFERENCE.
8. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
9. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON–SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS.
10. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
11. THE CONTRACTOR SHALL FURNISH "AS–BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF CONSTRUCTION.
12. CONTRACTOR SHALL MAINTAIN "AS–BUILT" DRAWINGS ON SITE FOR ENGINEER REVIEW.
13. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
14. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
15. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, BLACKBOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS. RELOCATE DEVICES AS DIRECTED BY ARCHITECT/ENGINEER UP TO FIVE FEET IN ANY DIRECTION AT NO ADDITIONAL COST.
16. NOTE ANY SPECIAL REQUIREMENTS INVOLVED IN INSTALLING THE EQUIPMENT IN THE BUILDING. DISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED FOR ENTRY INTO THE BUILDING AND EQUIPMENT ROOMS.
17. PROTECT THE ROOF FROM DAMAGE WHENEVER ANY WORK ON THE ROOF IS REQUIRED.
18. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE. ALL EXTERIOR STRUCTURES SHALL BE INSTALLED TO RESIST 130 MPH WIND LOAD.
19. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE AND SMOKE WALL ASSEMBLIES AND ACOUSTICAL WALLS.
20. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
21. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
22. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
23. EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.
24. REMOVE AND RE–INSTALL EXISTING CEILING TILE AS REQUIRED. REPLACE ANY TILE DAMAGED OR SOILED DURING CONSTRUCTION.
25. PROVIDE PROPER PROTECTIVE MEASURES TO PROTECT EXISTING FURNITURE, CARPET AND FINISHES DURING THE COURSE OF CONSTRUCTION. TAKE CARE NOT TO DAMAGE EXISTING SURFACES. REPAIR TO MATCH EXISTING CONDITIONS AS REQUIRED.
26. SEAL ALL HOLES IN WALLS, CEILINGS, FLOORS, ETC. TO MATCH EXISTING ADJACENT SURFACES WHERE EQUIPMENT, CONDUIT AND/OR PIPING ARE REMOVED.
27. ALL EXISTING EQUIPMENT IS THE PROPERTY OF THE OWNER AND SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER. DISPOSE OF ALL MATERIALS AND EQUIPMENT SHOWN TO BE REMOVED IN ACCORDANCE WITH LOCAL REGULATIONS.
28. REPLACE ALL SIDEWALKS DAMAGED BY OR DURING CONSTRUCTION OF THIS PROJECT.
29. ITEMS REMOVED AND SAVED FOR REUSE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL IDENTIFY ANY DEFECTIVE MATERIALS PRIOR TO DEMOLITION. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO MATERIALS AT PROJECT COMPLETION NOT IDENTIFIED PRIOR TO DEMOLITION.
30. RELOCATE, AS REQUIRED, ANY EXISTING WIRE AND CONDUIT WHICH INTERFERES WITH INSTALLATION OF THE NEW WORK. MAINTAIN ACCESS TO ALL EXISTING EQUIPMENT INCLUDING JUNCTION BOXES. RELOCATE AS REQUIRED.
31. REMOVE ALL ELECTRICAL EQUIPMENT (CONDUIT, POWER & CONTROL WIRING, DISCONNECT SWITCHES, STARTERS, ETC.) RELATED TO EQUIPMENT BEING REMOVED OR REPLACED.
32. ALL EXTERIOR DEVICES SHALL BE WEATHER PROOF ENCLOSURES AND GFI RATED IN ACCORDANCE WITH N.E.C. INSTALLER REQUIRED TO VERIFY PRIOR TO ORDERING MATERIALS.

DRAWING INDEX

E001 GENERAL NOTES & LEGEND
E010 GREEN ROOM DEMO – ELECTRICAL
E100 SITE PLAN – ELECTRICAL
E101 GREEN ROOM FLOOR PLAN – ELECTRICAL
E102 CAFE AND KIOSK FLOOR PLAN – ELECTRICAL
E104 GREEN ROOM AND CAFE ROOF PLAN – ELECTRICAL
E201 DETAILS
E301 SINGLE LINE AND PANEL SCHEDULE

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SCHEMATIC DESIGN

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BO DIDDLEY COMMUNITY PLAZA

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GENERAL NOTES & LEGEND

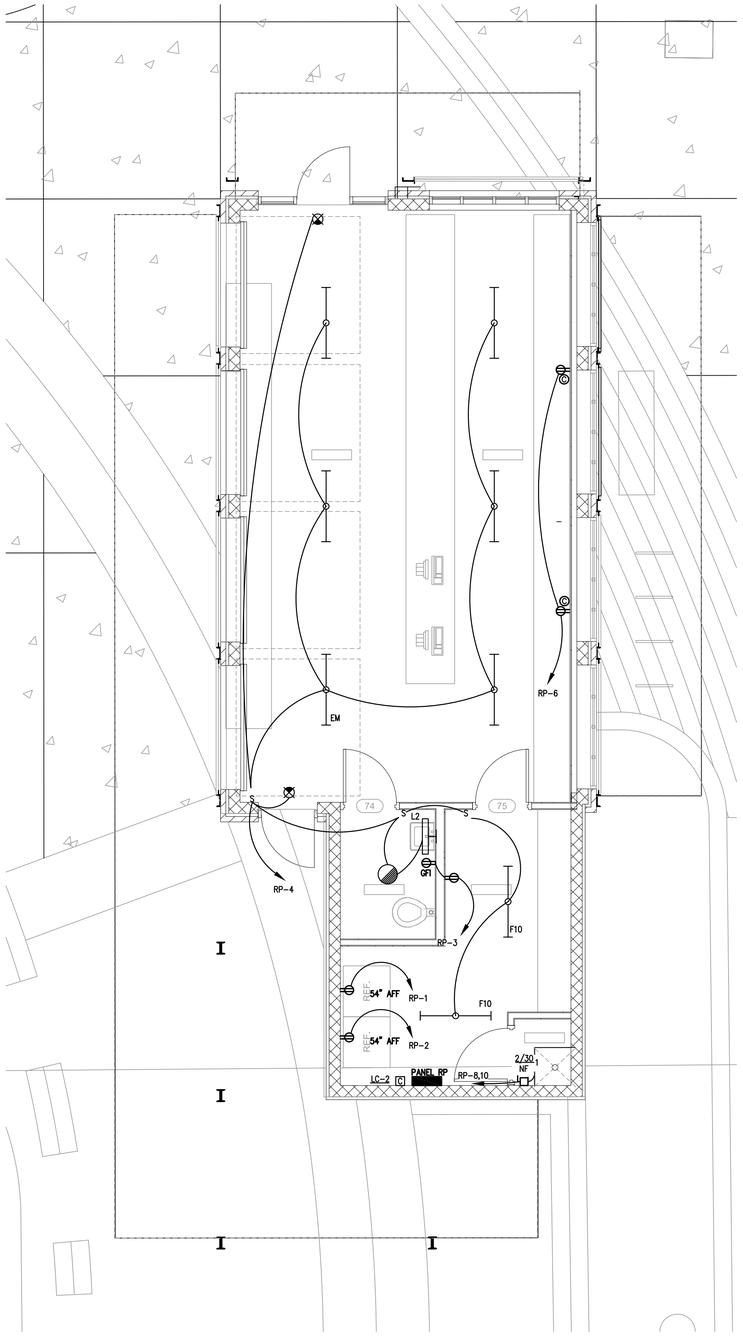
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Drawn by	SDS
Checked by	BRW

E001

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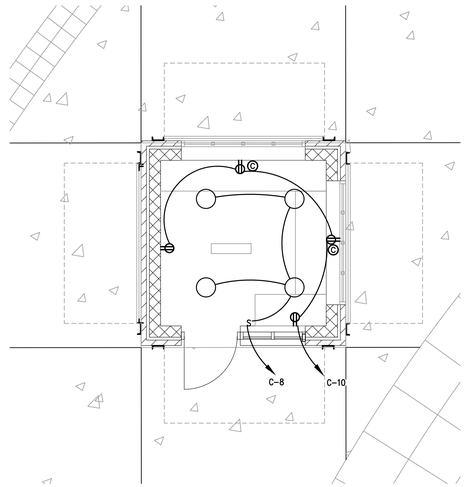
02/02/2015

SCHEMATIC DESIGN



N

② CAFE - FLOOR PLAN
1/4" = 1'-0"



N

① KIOSK - FLOOR PLAN
1/4" = 1'-0"

GENERAL NOTES

1. SEE SHEET E100 FOR EXTERIOR CANOPY LIGHTING.
2. ALL 4' STRIP FIXTURES TYPE F11, UNO
3. ALL CIRCULAR DOWNLIGHTS TYPE G, UNO
4. ALL EXIT FIXTURES TYPE E, UNO

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CAFE AND KIOSK FLOOR PLAN - ELECTRICAL

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Dated	2/02/2015
PIC	BRW
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Checked by	BRW

E102

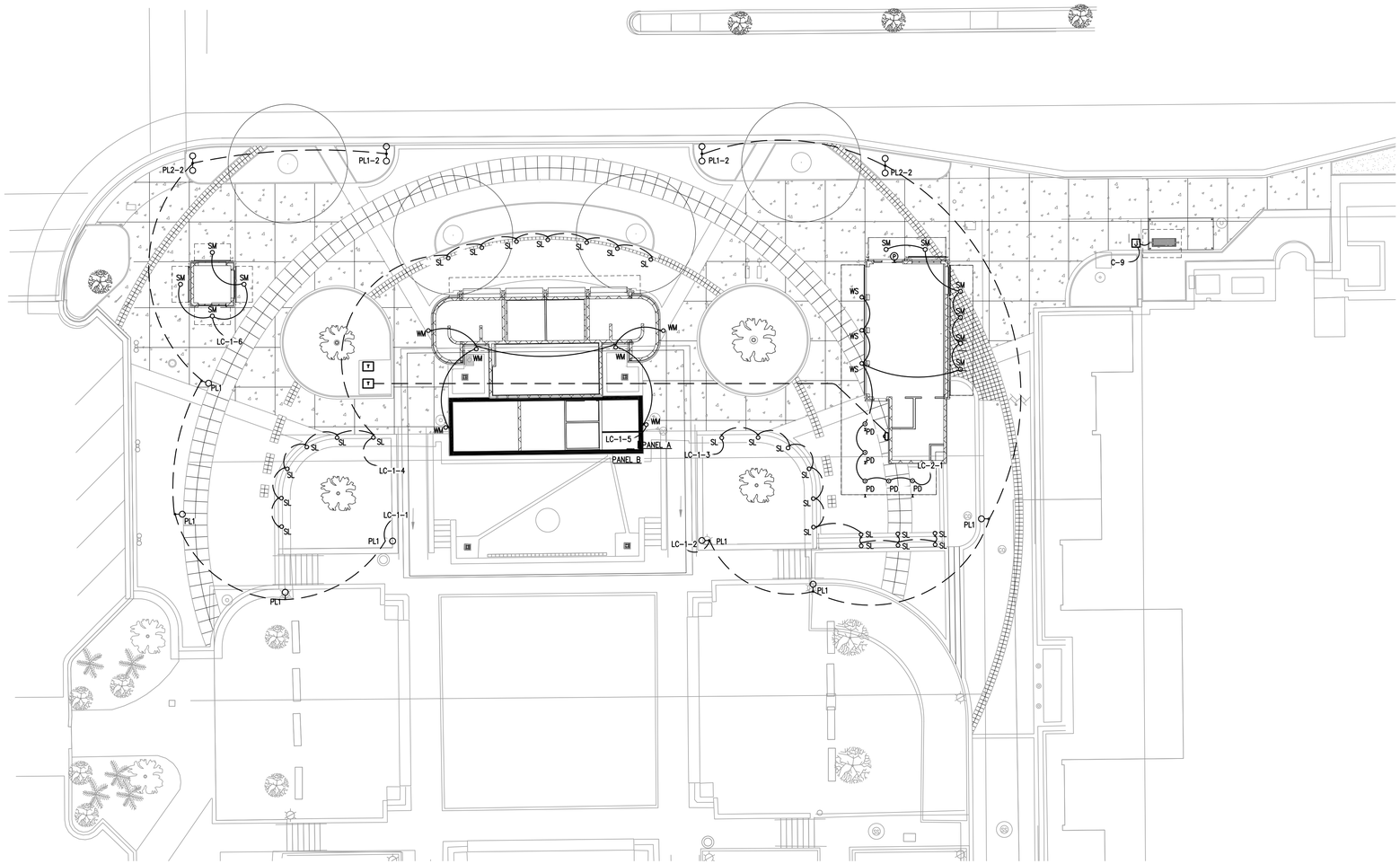
Scale 1/4" = 1'-0"

02/02/2015

SCHEMATIC DESIGN

GENERAL NOTES

1. GREEN ROOM PHOTOCELL INSTALLED ON CANOPY FACING NORTH. CAFE PHOTOCELL INSTALLED WHERE SHOWN.



N

① SITE PLAN - ELECTRICAL
1/16" = 1'-0"

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SITE PLAN - ELECTRICAL

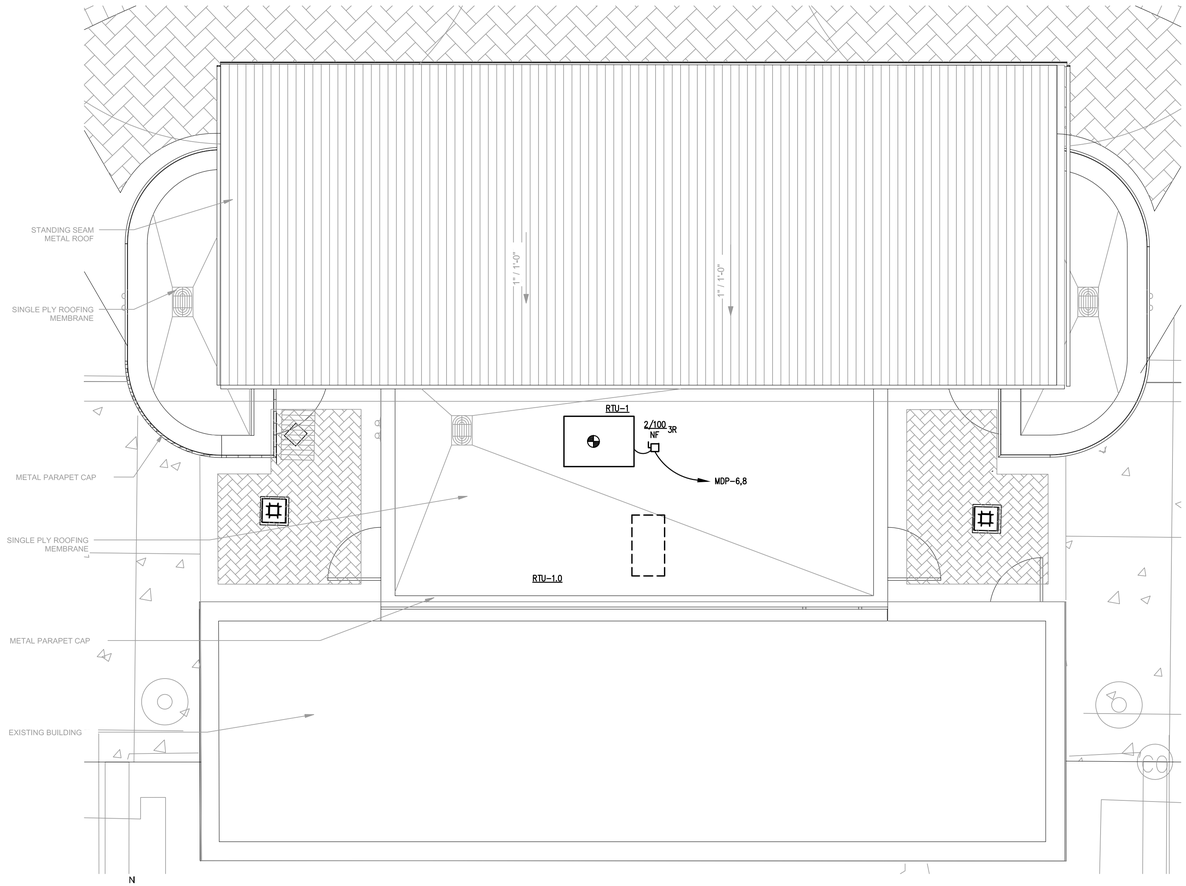
Project number	
Dated	2/02/2015
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E100

Scale 1/16" = 1'-0"

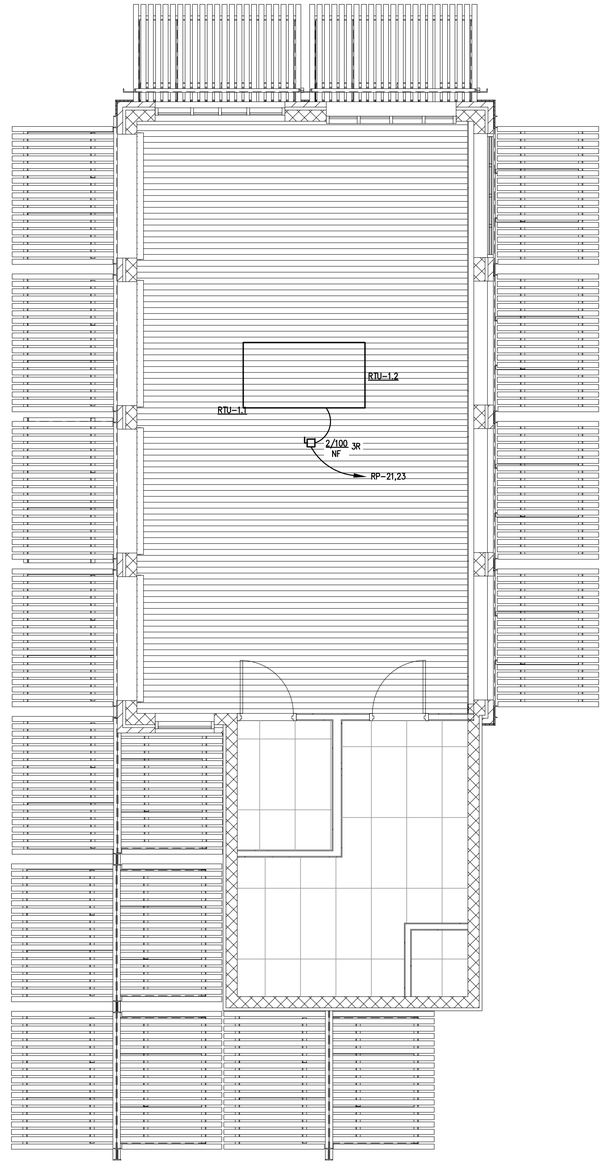
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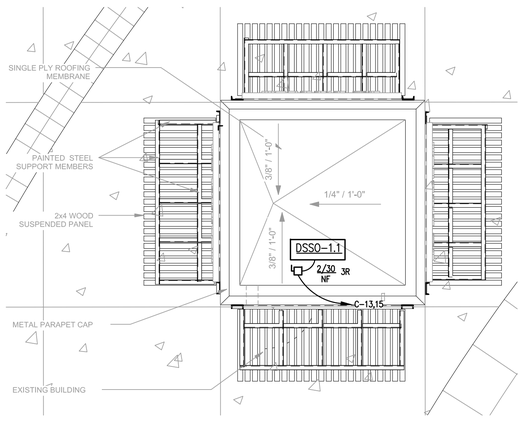
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1 GREEN ROOM ROOF PLAN
1/4" = 1'-0"



N

2 CAFE ROOF PLAN
1/4" = 1'-0"



N

3 KIOSK ROOF PLAN
1/4" = 1'-0"

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GREEN ROOM, CAFE, AND KIOSK ROOF PLAN - ELECTRICAL

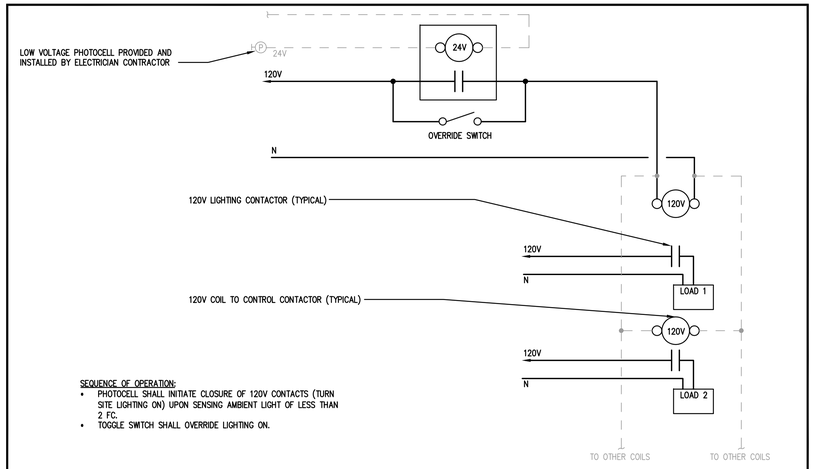
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E104

Scale 1/4" = 1'-0"

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SCHEMATIC DESIGN



SEQUENCE OF OPERATION:

- PHOTOCELL SHALL INITIATE CLOSURE OF 120V CONTACTS (TURN SITE LIGHTING ON) UPON SENSING AMBIENT LIGHT OF LESS THAN 2 FC.
- TOGGLE SWITCH SHALL OVERRIDE LIGHTING ON.

A SITE LIGHTING CONTACTOR WIRING DIAGRAM — NO SCALE

LIGHTING CONTACTOR 'LC-1' SCHEDULE

PROVIDE SIX POLE CONTACTOR. CONTACTS SHALL BE RATED FOR 20A AT 120V AND SHALL BE SUITABLE FOR HID LOADS. CONTROL/COIL VOLTAGE SHALL BE 24V. REFERENCE DETAIL A ON THIS SHEET FOR WIRING DIAGRAM.

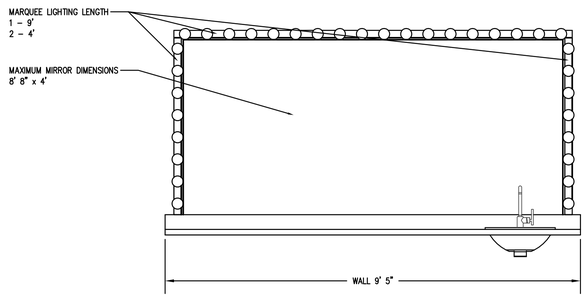
POLE	LOAD (VA)	SERVED BY	LOAD SERVED	WIRE	CONTROL
1	420	C-9	EAST POLE LIGHTS	10 AWG	PHOTOCELL/OVERRIDE
2	380	C-9	WEST POLE LIGHTS	10 AWG	PHOTOCELL/OVERRIDE
3	180	C-9	WEST STEP LIGHTS	12 AWG	PHOTOCELL/OVERRIDE
4	195	C-9	EAST STEP LIGHTS	12 AWG	PHOTOCELL/OVERRIDE
5	144	C-9	EXTERIOR GREEN ROOM	12 AWG	PHOTOCELL/OVERRIDE
6	96	C-9	EXTERIOR KIOSK	12 AWG	PHOTOCELL/OVERRIDE

LIGHTING CONTACTOR 'LC-2' SCHEDULE

PROVIDE FOUR POLE CONTACTOR. CONTACTS SHALL BE RATED FOR 20A AT 120V AND SHALL BE SUITABLE FOR HID LOADS. CONTROL/COIL VOLTAGE SHALL BE 24V. REFERENCE DETAIL A ON THIS SHEET FOR WIRING DIAGRAM.

POLE	LOAD (VA)	SERVED BY	LOAD SERVED	WIRE	CONTROL
1	400	RP-5	EXTERIOR CAFE	12 AWG	PHOTOCELL/OVERRIDE
2	–	–	–	–	–
3	–	–	–	–	–
4	–	–	–	–	–

B LIGHTING CONTACTOR SCHEDULE FOR EMERGENCY LIGHTING — NO SCALE



C DRESSING ROOM MAKE-UP WALL LIGHTING — NO SCALE

1 DETAILS
1/16" = 1'-0"

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DETAILS

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Dated	2/02/2015
PIC	BRW
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E201

Scale NO SCALE

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SCHEMATIC DESIGN

600A, 120/208V, 1ϕ, 3W
MLO
IER=10,000 AIC RMS SYM

PANEL 'MDP' CIRCUIT SCHEDULE

SURFACE

CIRCUIT	SERVING	CONN. LOAD	CONDL SIZE	WIRE SIZE	CKT. BREAKER BKR	CLASS	POLE	PHASE	CKT. BREAKER POLE	CLASS	BKR	WIRE SIZE	CONDL SIZE	CONN. LOAD	SERVING	CIRCUIT
1	PANEL A	150	2"	3/0	200		2		2		200	3/0	2"	150	PANEL B	2
3		150												150		4
5	PANEL C	87.8	2"	3/0	200		2		2		80	6	1"	60.0	RTU GREEN RM	6
7		75.8												60.0		8
9																10
11																12
13																14
15																16
17																18
19																20
21																22
23																24
25																26
27																28
29																30
31																32
33																34
35																36
37																38
39																40
41																42

TOTAL CONNECTED LOAD: 447.8A

150A, 120/208V, 1ϕ, 3W
MLO
IER=10,000 AIC RMS SYM

PANEL 'C' CIRCUIT SCHEDULE

SURFACE

CIRCUIT	SERVING	CONN. LOAD	CONDL SIZE	WIRE SIZE	CKT. BREAKER BKR	CLASS	POLE	PHASE	CKT. BREAKER POLE	CLASS	BKR	WIRE SIZE	CONDL SIZE	CONN. LOAD	SERVING	CIRCUIT
1	RECEPT. E. DRESS RM	4.5	1/2"	12	20		1		1		20	12	1/2"	15.0	LIGHTING W. MIRROR	2
3	LIGHTING E. MIRROR	15.0												4.5	RECEPT. W. DRESS RM.	4
5	RECEPT. APPLIANCE	1.5												9.0	RECEPT. GREEN RM.	6
7	LIGHTING GREEN RM.	5.6												0.8	LIGHTING KIOSK	8
9	LIGHTING BUS STOP	2.5												6.0	RECEPT. KIOSK	10
11	LIGHTING (LC-1)	11.8												7.5	RECEPT. GREEN RM.	12
13	DSSI, DSSO	12.0			20		2							6.7	RECEPT. REF	14
15		12.0												9.0	RECEPT. OFFICE	16
17	WATER HEATER	21.6			30		2							6.0	RECEPT. RR'S	18
19		21.6													SPACE	20
21	SPACE														SPACE	22
23	SPACE														SPACE	24

TOTAL CONNECTED LOAD: 87.8A

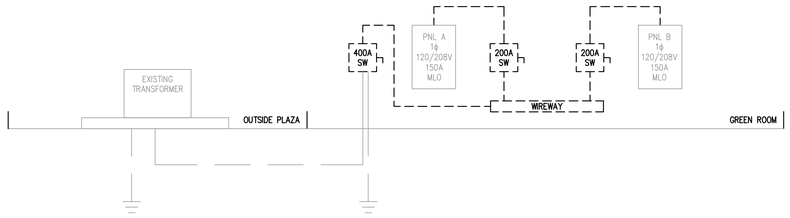
200A, 120/208V, 3ϕ, 4W
MB
IER=10,000 AIC RMS SYM

PANEL 'RP' CIRCUIT SCHEDULE

SURFACE

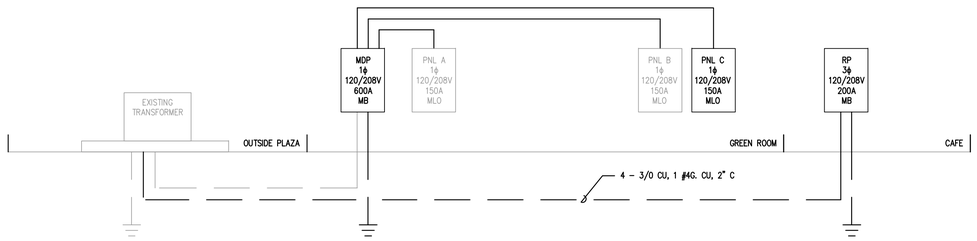
CIRCUIT	SERVING	CONN. LOAD	CONDL SIZE	WIRE SIZE	CKT. BREAKER BKR	CLASS	POLE	PHASE ABC	CKT. BREAKER POLE	CLASS	BKR	WIRE SIZE	CONDL SIZE	CONN. LOAD	SERVING	CIRCUIT
1	RECEPT. REF	6.7	1/2"	12	20		1		1		20	12	1/2"	6.7	RECEPT. REF	2
3	RECEPT. REST./STOR.	3.0												4.0	LIGHTING TEMP	4
5	LIGHTING (LC-2)	11.8												3.3	RECEPT. KITCHEN	6
7	SPACE								2		30			21.6	WATER HEATER	8
9	SPACE													21.6		10
11	SPACE														SPACE	12
13	SPACE														SPACE	14
15	SPACE														SPACE	16
17	SPACE														SPACE	18
19	SPACE														SPACE	20
21	RTU CAFE	60.0	1"	6	80		2								SPACE	22
23		60.0													SPACE	24

TOTAL CONNECTED LOAD: 35A



DEMOLITION - SINGLE LINE

SCALE: NONE



RENOVATION - SINGLE LINE

SCALE: NONE

GENERAL NOTES

1. DO NOT INTERRUPT POWER TO OWNER OCCUPIED AREAS WITHOUT WRITTEN PERMISSION FROM THE OWNER.
2. FIELD VERIFY PRIOR TO BID.
3. ITEMS SHOWN DASHED SHALL BE DEMOLISHED.

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SCHEMATIC DESIGN

GAINESVILLE COMMUNITY DEVELOPEMENT AGENCY

BO DIDDLEY COMMUNITY PLAZA

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Florida Certificate of Authorization #2485
Banks R. Wason, P.E. #73973

SINGLE LINE AND PANEL SCHEDULE

Project number	
Dated	2/02/2015
PIC	BRW
PM	BRW
Drawn by	SDS
Checked by	BRW

E301

Scale: NO SCALE