ARBORS
AT WIREGRASS

Parcel M21 Phases 1 & 2

COMMUNITY
LANDSCAPE ARCHITECTURE

Prepared For:

LENNAR HOMES, LLC

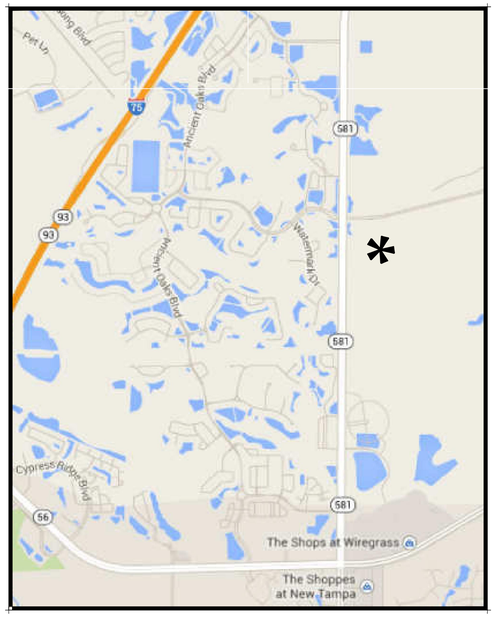
PASCO COUNTY, FLORIDA

DEVELOPER / OWNER:
LENNAR HOMES, LLC
4600 West Cypress Street, Suite 200
Tampa, FL 33607
Contact: Mark McDonald
phone: 813.574.5665

PROJECT CIVIL ENGINEER:
KING ENGINEERING ASSOC., INC.
4921 Memorial Highway, Suite 300
Tampa, FL 33634
Contact: Lawrence F. Kistler
813.880.8881

LANDSCAPE ARCHITECT:
BONNETT DESIGN GROUP, LLC
151 Circle Drive
Maitland, FL 32751
Contact: Todd W. Bonnett, RLA, LEED AP, CNU-a
phone: 407.622.1588

STRUCTURAL ENGINEER:
DANSK CONSULTING, INC.
1673 Lake Baldwin Lane
Orlando, FL 32814
Contact: Bjarne Madsen, P.E.
phone: 407.252.4225



LOCATION MAP
not to scale

SHEET INDEX:

2014.131 October 16, 2014

BONNETT design group, llc
landscape architecture . community planning
FL # LC26000341
151 Circle Drive . Maitland, FL 32751
407.622.1588 voice . 407.358.5363 fax
www.BonnettDesignGroup.com

SHEET L101

SHEET L101

SHEET L102

SHEET L101

SHEET L102

NOTE: EXERCISE STATIONS ARE ENERGI PRIME, 3 STATION PACKAGE BY PLAYWORLD. DIMENSIONS TO BE DETERMINED BY STATION. INSTALL ON MULCH. EXERCISE STATIONS EVERY 500 LF, TOTAL: 3.

SCALE: 1" = 100'

0' 50' 100' 200'

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Maitland, FL 32751
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Arbors at Wiregrass
Landscape Architecture
Lennar Homes, LLC
PASCO COUNTY, FLORIDA
OVERALL LAYOUT PLAN

DATE: October 16, 2014
DRAWN BY: LAE/TWB
CHECKED BY: TWB
JOB NUMBER: 2014.131
FILE NAME: 2014.131_LEN WIREGRASS LA BASE

REVISIONS:

Todd W. Bonnett, RLA # LA0001718

L100

DRAWING PLOTTED: 10/21/2014 10:05:09 AM
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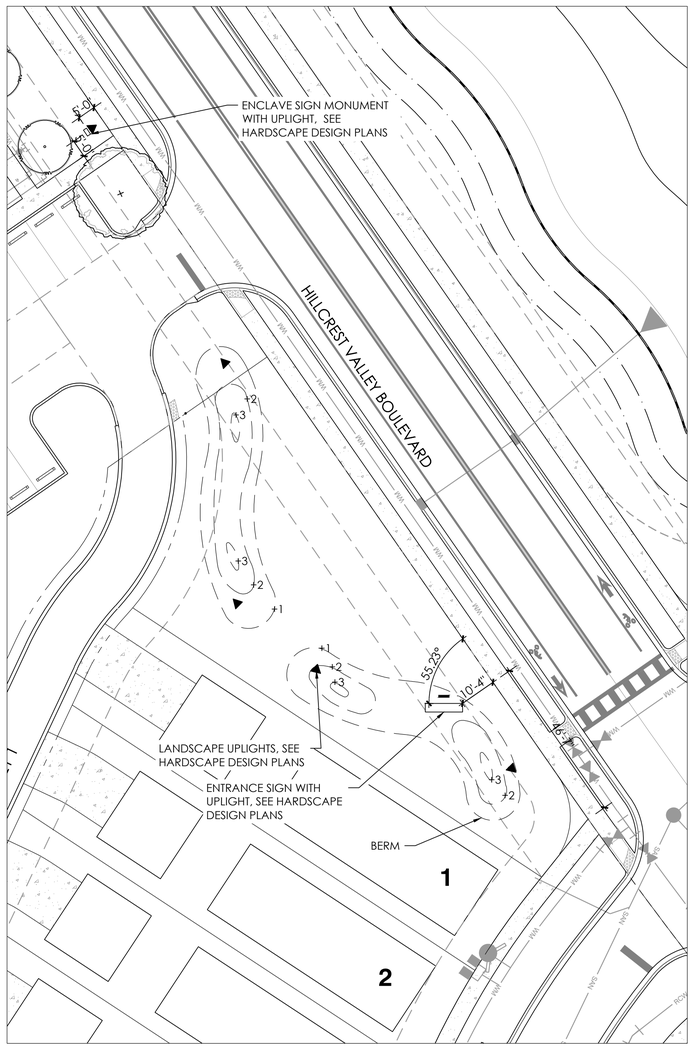
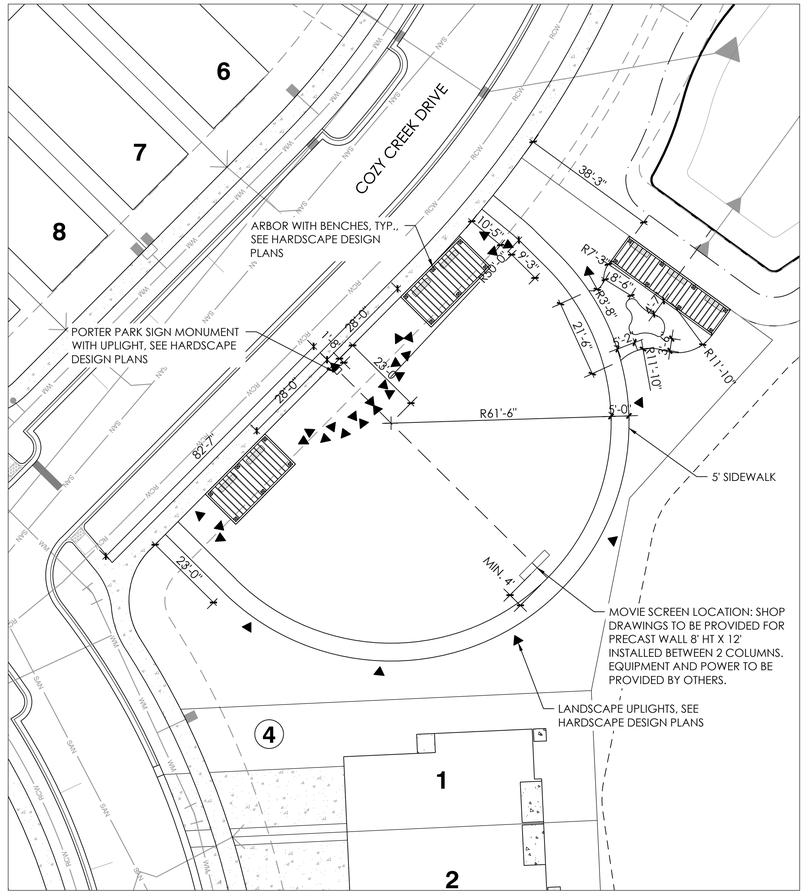
SCALE: 1" = 20'

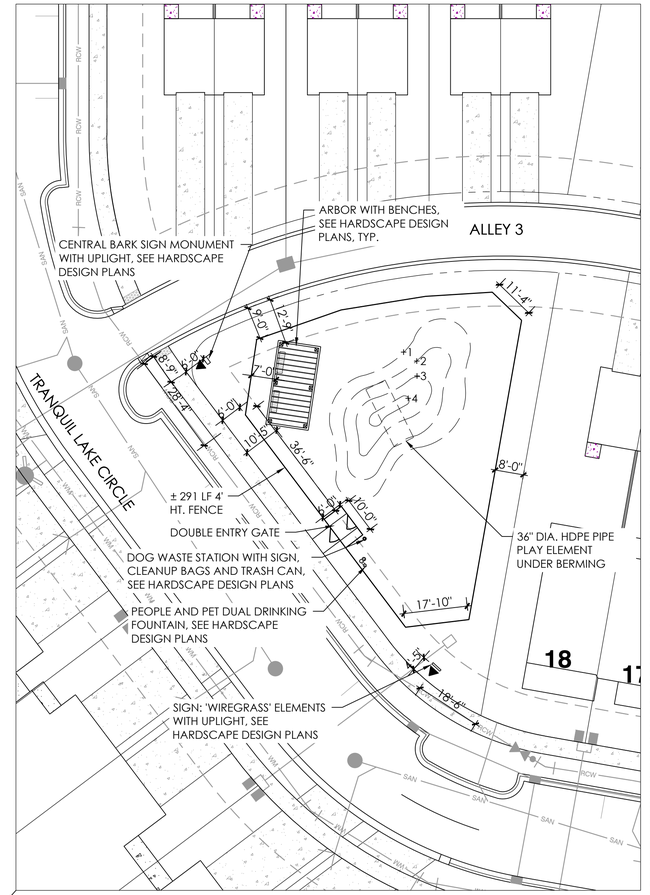
0' 10' 20' 40'



ENTRANCE



PORTER PARK



CENTRAL BARK

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Arbors at Wiregrass
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LAYOUT PLAN

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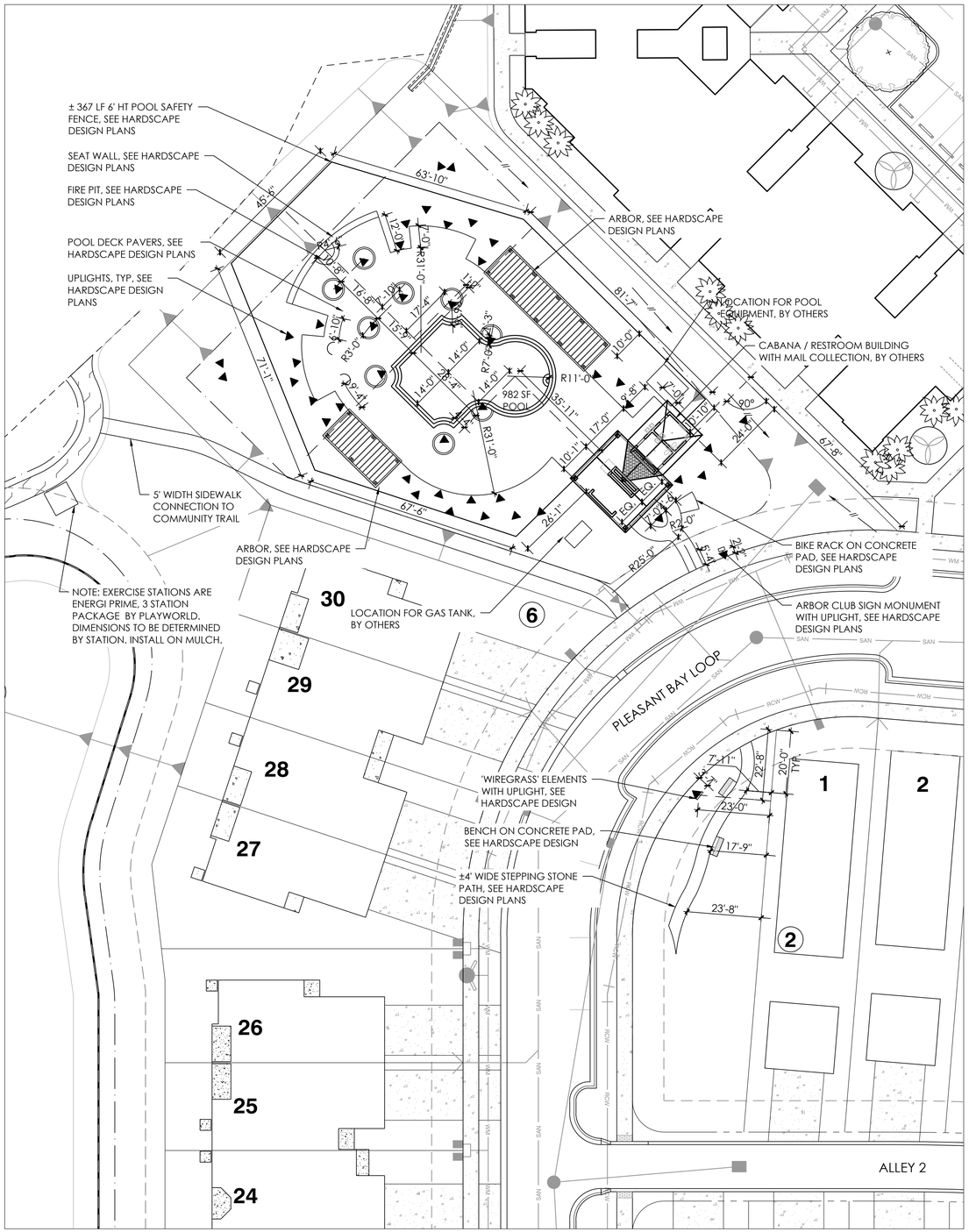
REVISIONS:

Todd W. Bonnett, RLA # LA0001776

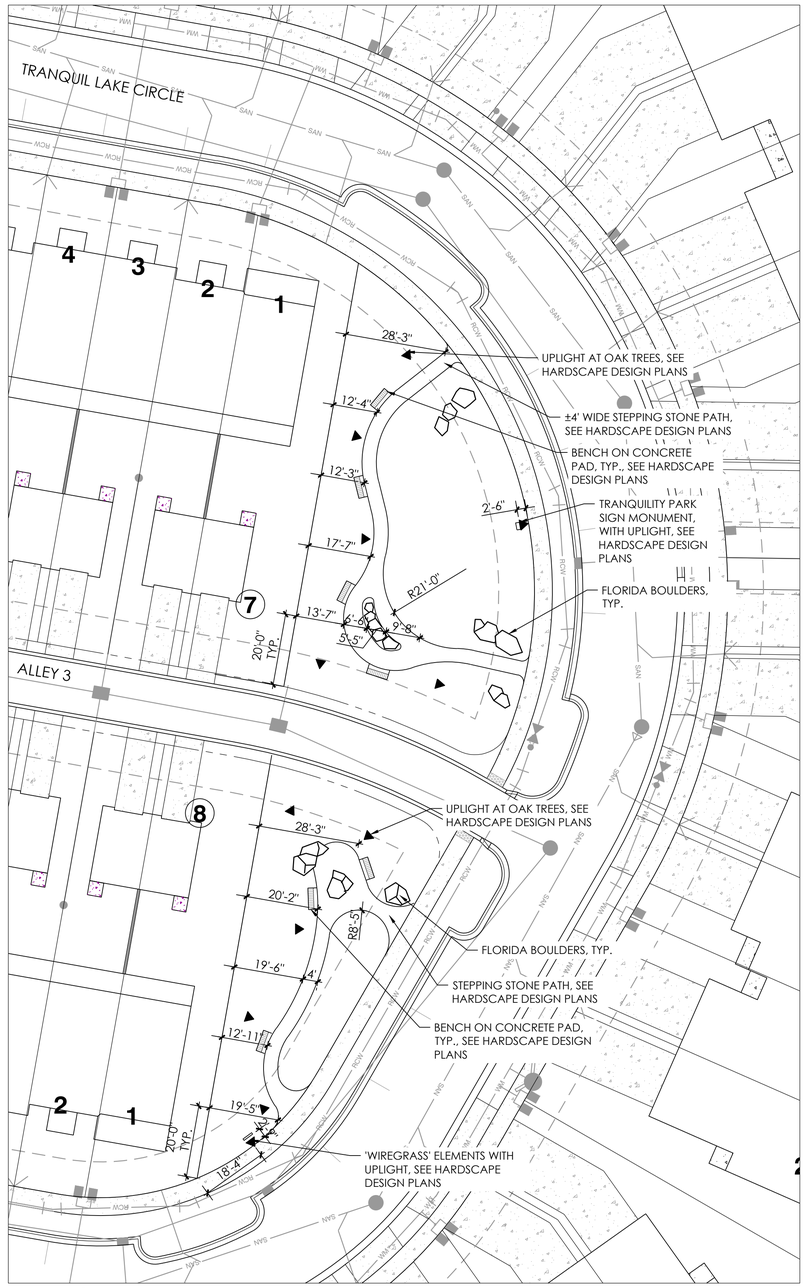
L101



ARBOR CLUB AND WILDFLOWER PARK

SCALE: 1" = 20'

0' 10' 20' 40'



TRANQUILITY PARK

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REVISIONS:

Todd W. Bonnett, RLA # LA0001781

L102

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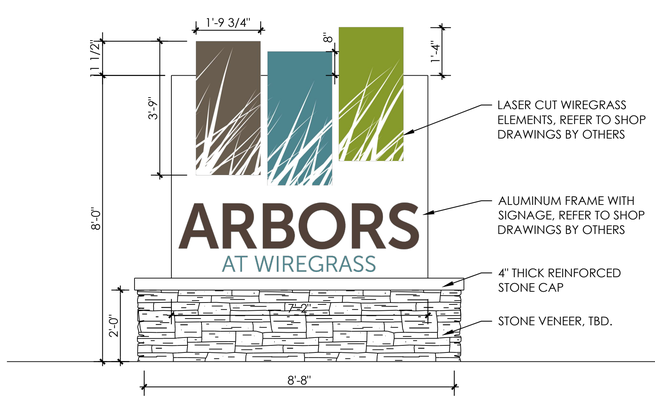
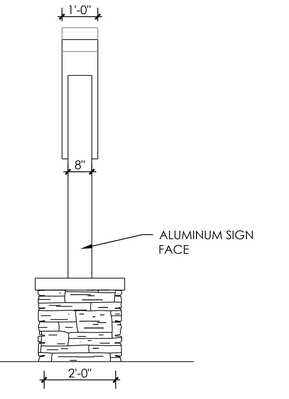
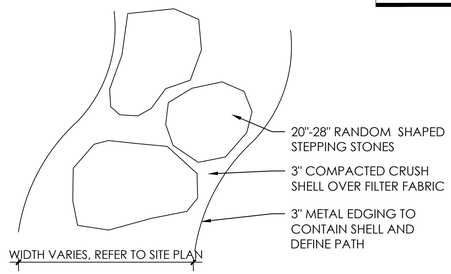


1 L201 ENTRANCE SIGN: FRONT ELEVATION
SCALE: ½" = 1'-0"

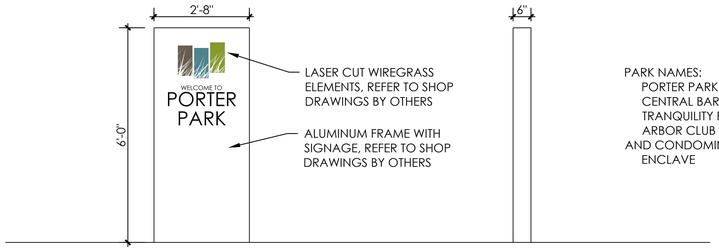


2 L201 ENTRANCE SIGN: SIDE ELEVATION
SCALE: ½" = 1'-0"

NOTE: HARDSCAPE DESIGN PLANS PROVIDED TO DEMONSTRATE DESIGN INTENT ONLY AND ARE NOT VALID FOR CONSTRUCTION WITHOUT FINAL STRUCTURAL & REINFORCEMENT DESIGN.



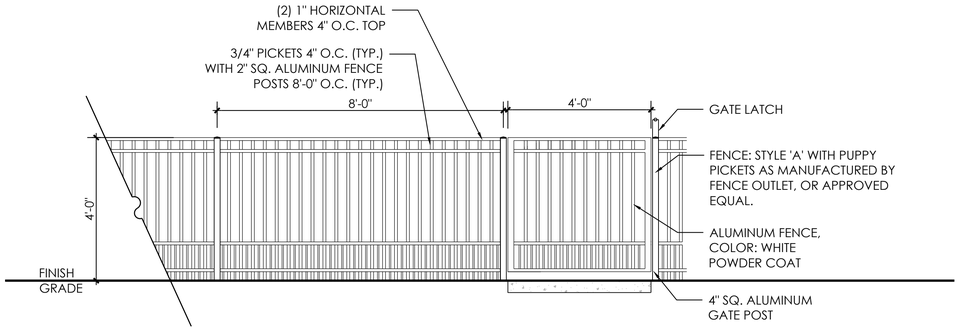
3 L201 STONE PATH
SCALE: ½" = 1'-0"



PARK NAMES:
PORTER PARK
CENTRAL BARK
TRANQUILITY PARK
ARBOR CLUB
AND CONDOMINIUMS:
ENCLAVE

4 L201 SIGN MONUMENT
SCALE: ½" = 1'-0"

5 L201 SIDE ELEVATION
SCALE: ½" = 1'-0"

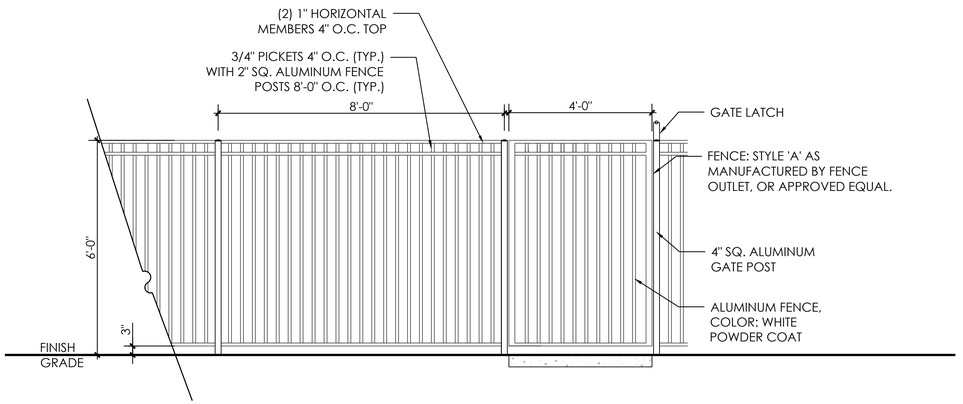


6 L201 DOG PARK FENCE & GATE ELEVATION
SCALE: ½" = 1'-0"

LOCATIONS:
CENTRAL BARK
TRANQUILITY PARK
WILDFLOWER PARK

7 L201 WIREGRASS ELEMENTS
SCALE: ½" = 1'-0"

8 L201 SIDE ELEVATION
SCALE: ½" = 1'-0"



9 L201 POOL FENCE & GATE ELEVATION
SCALE: ½" = 1'-0"

SCALE: 1/2" = 1'-0"
0' 1' 2' 4'

DRAWING PLOTTED: 10/21/2014 10:06:27 AM
C:\LEN\131-SHARED\BONNETT DESIGN GROUP\2014\2014.131_LEN-WIREGRASS\DESIGN\2014.131_LEN WIREGRASS HS BASE1.DWG

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Arbors at Wiregrass
Landscape Architecture
Lennar Homes, LLC
PASCO COUNTY, FLORIDA
HARDSCAPE DESIGN PLAN

DATE: October 16, 2014
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CHECKED BY: TWB
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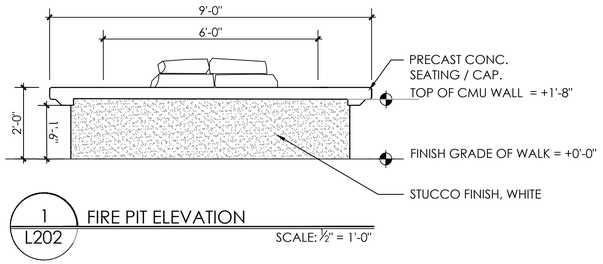
FILE NAME: 2014.131_LEN WIREGRASS HS BASE

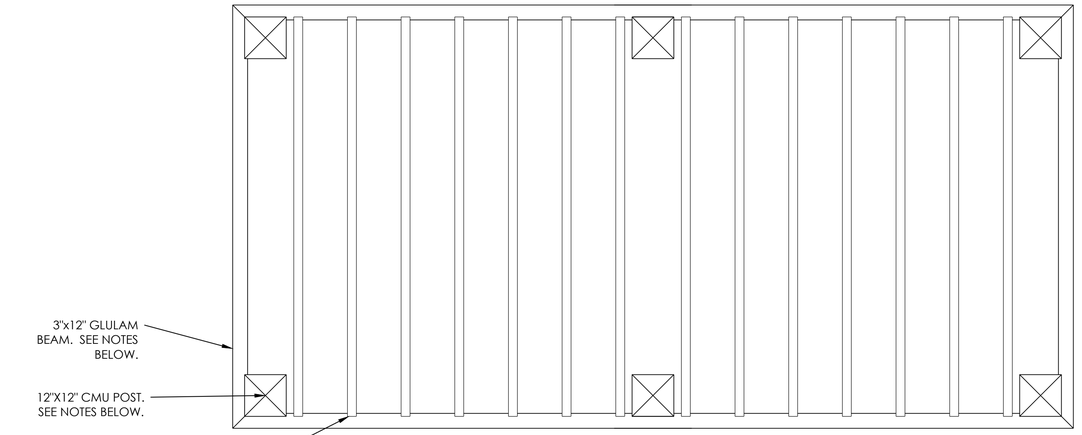
REVISIONS:

Todd W. Bonnett, RLA # LA0001758

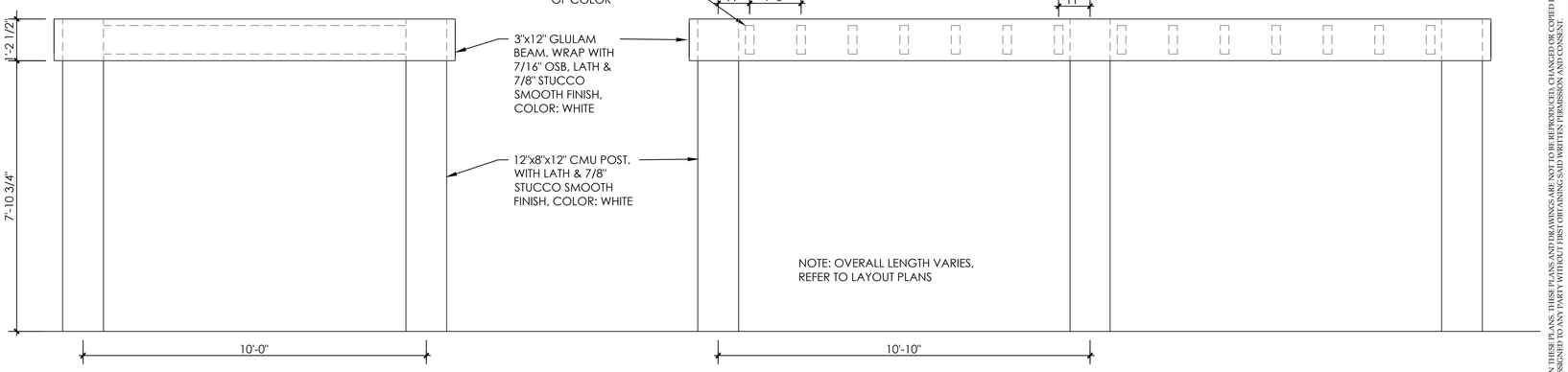
L201



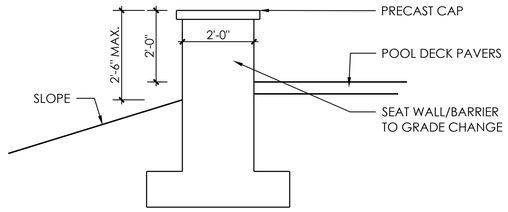
1 L202 FIRE PIT ELEVATION
SCALE: ½" = 1'-0"



PLAN



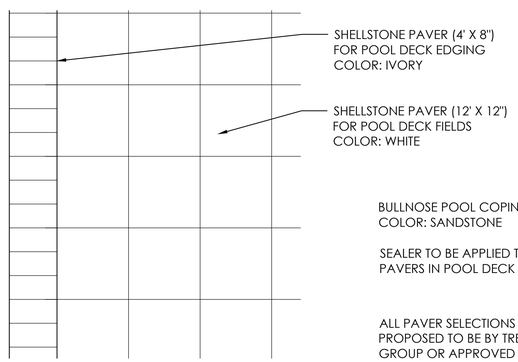
CONTRACTOR TO PROVIDE SHOP DRAWINGS OF ARBOR ELEMENTS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION.



2 L202 SEAT WALL
SCALE: ½" = 1'-0"

3 L202 ARBOR SIDE ELEVATION
SCALE: ½" = 1'-0"

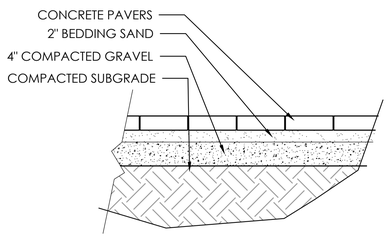
4 L202 ARBOR FRONT ELEVATION
SCALE: ½" = 1'-0"



BULLNOSE POOL COPING
COLOR: SANDSTONE

SEALER TO BE APPLIED TO ALL PAVERS IN POOL DECK AREAS.

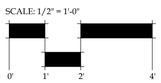
ALL PAVER SELECTIONS ARE PROPOSED TO BE BY TREMRON GROUP OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.



5 L202 PAVERS ON SAND SECTION
SCALE 1" = 1'-0"

6 L202 PAVERS LAYOUT DETAIL
SCALE 1" = 1'-0"

NOTE: HARDSCAPE DESIGN PLANS PROVIDED TO DEMONSTRATE DESIGN INTENT ONLY AND ARE NOT VALID FOR CONSTRUCTION WITHOUT FINAL STRUCTURAL & REINFORCEMENT DESIGN.



BONNETT design group, llc
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community planning
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151 Circle Drive
Maitland, FL 32751
407.622.1588 voice
407.358.5363 fax

Arbors at Wiregrass
Landscape Architecture
Lennar Homes, LLC
PASCO COUNTY, FLORIDA
HARDSCAPE DESIGN PLAN

DATE: October 16, 2014
DRAWN BY: LAE/TWB
CHECKED BY: TWB
JOB NUMBER: 2014.131
FILE NAME: 2014.131_LEN WIREGRASS HS BASE

REVISIONS:

Todd W. Bennett, RLA # LA0001781

L202

DRAWING PLOTTED: 10/21/2014 10:06:31 AM
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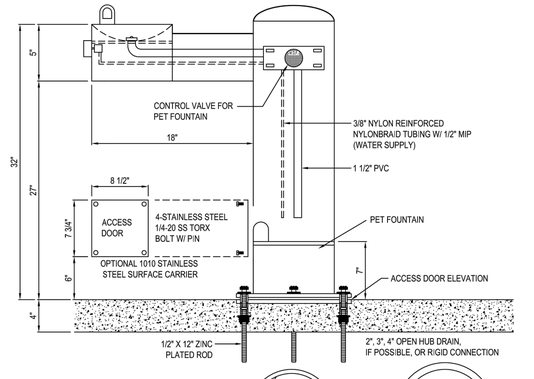
MOST DEPENDABLE FOUNTAINS, INC.

MOST DEPENDABLE FOUNTAINS INC.
5705 COMMANDER DR. P.O. BOX 587
ARLINGTON, TN 38002-0587
TOLL FREE: 1-800-552-6331
PHONE: (901) 867-0039
FAX: (901) 867-0159
www.mostdependable.com



NOTES:
1. MEETS ADA REGULATIONS.
2. DO NOT SCALE DRAWINGS.
3. INSTALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
4. OPTIONAL STAINLESS STEEL SURFACE CARRIER RECOMMENDED.
5. SHOWN WITH OPTIONAL 1010 SS SURFACE CARRIER, ATTACHED PET FOUNTAIN

1 L203 **MODEL 410 SM**
SHOWN W/ OPTIONAL 1010 SS SURFACE CARRIER,PF

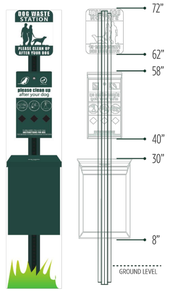
3554-1.32
REVISION DATE 18/08/2011

www.CADdetails.com

D006 • DOG WASTE STATION

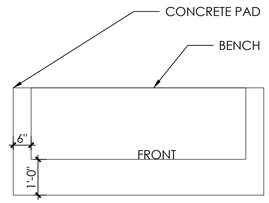
PARTS LIST:

- Can (1)
- Post (1)
- Dispenser (1)
- Sign/Sign Bracket (1)
- Dispenser Keys (2)
- 600 Waste Bags
- 50 Can Liners
- Hardware Pack



MODEL: TERRA BOUND DOG WASTE STATION
AS MANUFACTURED BY TERRA BOUND, INC.
(WWW.TERRABOUNDSOLUTIONS.COM)
OR APPROVED EQUAL.

2 L203 **DOG WASTE STATION**
NOT TO SCALE



3 L203 **CONCRETE BENCH PAD**
SCALE: ½" = 1'-0"

LAKESIDE BACKED BENCH WITH GRASS PANEL. COLOR: TBD. AS MANUFACTURED BY LANDSCAPE FORMS (WWW.LANDSCAPEFORMS.COM)

4 L203 **BENCH**
NTS

HYDREL
An Acuity Brands Company

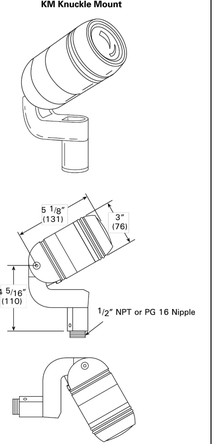
IP66

4610 KNUCKLE MOUNT
LOW VOLTAGE LED ACCENT LIGHT

TYPE | JOB NAME

PART NUMBER
Model | Lamp Type | Voltage | Distribution | Mounting
Mounting Options | Accessories | Lamp | Finish | Listing

KM Knuckle Mount



APPROVALS

DESCRIPTION:
The 4610 Knuckle Mount Accent Light is uniquely designed with rugged sealed die-cast aluminum construction and an offset swivel for balance. The 4610 is a compact fixture accepting, low voltage 9 Watt LED for architectural and landscape applications to thirty feet. A wide range of photometric performances are available with external glare control.

SPECIFICATIONS
MATERIAL: Fixture and Knuckle: Die-cast copper-free aluminum A360. All aluminum materials are chem filmed or anodized prior to painting.

LED ARRAY: 9 Watt LED

VOLTAGE: 12 Volt AC or DC.
Fixture must receive 11.3 Volts minimum.

DISTRIBUTION: **SP** - Spot
MFL - Medium Flood

LENS: Crowned tempered glass.

MOUNTING: 1/2" NPT or PG16 adjustable knuckle.

FINISH: See ordering Guide for color options.

FASTENERS: Stainless steel.

LISTING: CSA$_{US}$, CSA

NOTE: HYDREL RESERVES THE RIGHT TO MODIFY SPECIFICATION WITHOUT NOTICE. Any dimension on this sheet is to be assumed as a reference dimension: "Used for information purposes only. It does not govern manufacturing or inspection requirements." (ANSI Y14.5-1973)

20660 Nordhoff St., Suite B
Chatsworth, CA 91311
Phone: 866.533.9901
Fax: 866.533.5291
www.hydrel.com

5 L203

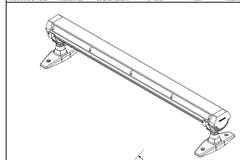
HYDREL
An Acuity Brands Company

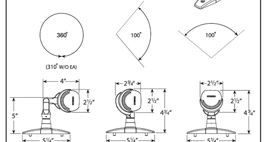
IP66

RHYTHM™
LINEAR LED FLOOD

TYPE | JOB NAME

PART NUMBER
MODEL | POWER SUPPLY | LED COLOR | VOLTAGE | DISTRIBUTIONS | MOUNTING
MOUNTING OPTIONS | ACCESSORIES | FIXED SET LENGTH | OPTIONS | FINISH | ACCENT FINISH





HOUSING

	RHY 2	RHY 3	RHY 4
Actual (X)	24.95" (634)	36.95" (939)	48.95" (1243)

APPROVALS

DESCRIPTION:
Hydrel's Rhythm Series is a versatile and distinct LED-based range of linear floodlights, providing designers unlimited options to illuminate and enhance the architecture for interior and exterior applications. Clean, sophisticated lines blend seamlessly with architectural elements and create dramatic washes of light for spectacular effects. Luminaire designs balance day form with function while incorporating the smallest surface mountable power LED's available today. Designed to optimize thermal management, Rhythm luminaires deliver industry best lumen maintenance of 50,000 hours life at 615 mA with 70% lumen maintenance.

SPECIFICATIONS:
MATERIALS: Extruded 6063-T4 aluminum with die cast A360 aluminum mounting. All fasteners are stainless steel.

LENS: High strength optical grade clear acrylic.

MOUNTING: Adjustable Surface Mount (ASM), Side Adjustable Surface Mount (SASM), and Knuckle Mount (KM).

SOURCE: Quantity six (6) Rebel™ LED's per linear foot, driven at 615 mA, with maximum power consumption of 13 watts per linear foot. Lumen Maintenance of individual LED light sources have been independently tested to IESNA LM-80 standards.
NOTE: LM-80 does not cover measurement of luminaire.

POWER SUPPLY: 60W power supply is provided standard with NEMA rated enclosure, and may be remotely located up to 20' (w/ 18AWG). One power supply (60 watts) required for each 4 foot length of fixture. Optional NEMA rated power supplies, rated to IP66, are available for use with the Rhythm.

CONTROL: Available with 0-10 volt dimming option. Dimming module mounted in SSBR surface box.

VOLTAGE: MVOLT (120-277V) 50/60Hz.

OPERATING TEMPERATURE: -40°C to 50°C

DISTRIBUTION: 5° Narrow Spot, 44° Medium Flood, 64° Flood, 118° Wide Flood, and 55° Wall Wash Distribution. All photometry tested to IESNA LM-79 Standards.

FINISH: Black anodized extruded aluminum. See order guide for accent color options. Mounting accessories and surface box are polyester powder coat.

LISTING: CSA, CSA$_{IS}$

WARRANTY: Five (5) year limited warranty.
Consult factory for details

NOTE: Hydrel Reserves The Right To Modify Specification Without Notice. Any dimension on this sheet is to be assumed as a reference dimension: "Used for information purposes only. It does not govern manufacturing or inspection requirements." (ANSI Y14.5-1973)

20660 Nordhoff St., Suite B I Chatsworth, CA 91311
Phone: 866.533.9901 I Fax: 866.533.5291
www.hydrel.com

6 L203

STYLE: LAKESIDE WITH GRASS PANEL, COLOR: TBD. AS MANUFACTURED BY LANDSCAPE FORMS, (WWW.LANDSCAPEFORMS.COM)

7 L203 **LITTER RECEPTACLE**
NTS

STYLE: FLO, SURFACE MOUNT, STAINLESS STEEL FINISH. AS MANUFACTURED BY LANDSCAPE FORMS, (WWW.LANDSCAPEFORMS.COM)

8 L203 **BIKE RACK**
NTS

Bdg

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REVISIONS:

Todd W. Bennett, RLA # LA0001778

L203

STRUCTURAL NOTES

CODES AND STANDARDS

1. WIND LOADS AS PER:
   A. FLORIDA BUILDING CODE 2010 EDITION, FOR A 150(ULT)/116(ASD) MPH WIND SPEED, EXPOSURE C, +/-0.0 INTERNAL PRESSURE COEFFICIENT, 1.0 IMPORTANCE FACTOR, AND RISK CATEGORY II.
   B. THE STRUCTURE IS DESIGNED AS OPEN. DESIGN WIND PRESSURE: 45 PSF.
2. THE PROJECT WAS DESIGNED IN ACCORDANCE WITH THE:
   A. FLORIDA BUILDING CODE 2010 EDITION.
   B. ASCE 7-10.

FOUNDATION

1. ALL SITE PREPARATION AND EXCAVATION WORK IS TO BE PERFORMED IN STRICT ACCORDANCE WITH THE:
   A. RECOMMENDATIONS ON SOILS AND FOUNDATIONS INVESTIGATION PREPARED BY AN APPROVED TESTING LABORATORY PRIOR TO FOUNDATION WORK.
2. THE BUILDING SITE SHOULD BE EXCAVATED TO THE DEPTH AND EXTENT INDICATED IN THE SOILS REPORT. ALL SUBGRADES SHALL BE APPROVED IN WRITING BY THE SOILS ENGINEER PRIOR TO BACKFILLING.
3. BOTTOM OF FOOTINGS ASSUMED TO BEAR ON SOIL CAPABLE OF SAFELY SUPPORTING 1500 PSF.
5. SOILS SUPPORTING ALL FOOTINGS MUST BE INSPECTED AND APPROVED BY A REGISTERED SOILS ENGINEER BEFORE COMMENCING WORK. APPROVAL IN WRITING MUST INDICATE THE SOIL IS ADEQUATE TO SAFELY SUSTAIN SPECIFIED SOIL BEARING PRESSURE.
6. TOP OF ALL FOOTINGS SHALL BE MINIMUM 12" BELOW FINISH GRADE.
7. EXCAVATION & BACKFILL:
   A. ALL EXCAVATION SHALL BE KEPT DRY. EXCAVATE TO DEPTHS AND DIMENSIONS INDICATED. TAKE EVERY PRECAUTION TO GUARD AGAINST ANY MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES, UTILITIES, PIPING, ETC.
   B. PROVIDE ANY BRACING OR SHORING NECESSARY TO AVOID SETTLEMENT OR DISPLACEMENT OF EXISTING FOUNDATION OR STRUCTURES.

CONCRETE

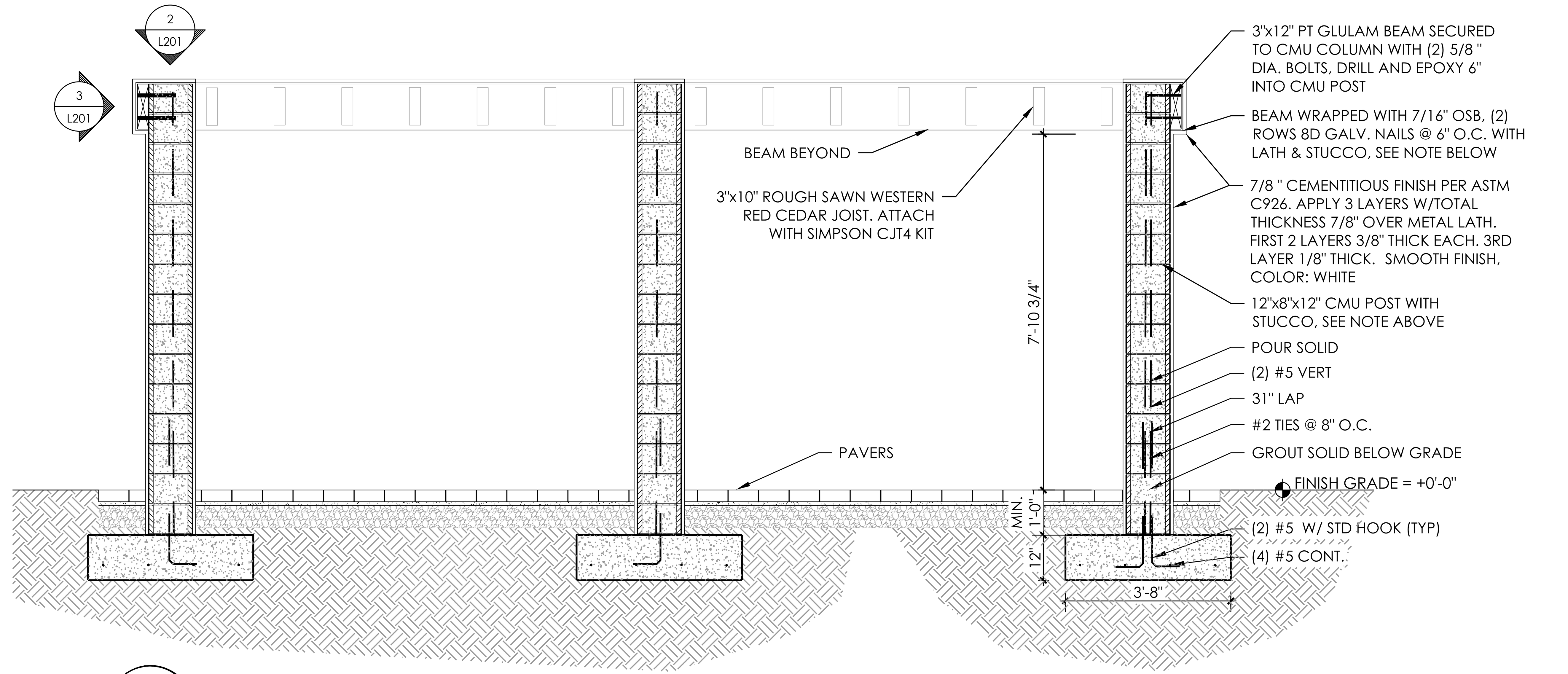
1. CONCRETE ELEMENTS TO HAVE THE FOLLOWING STRENGTHS:
   A. FOUNDATIONS 3000 PSI
   B. MASONRY GROUT 3000 PSI
   ALL OTHER CONCRETE TO BE 3000 PSI UNLESS NOTED OTHERWISE.
2. ALL CONCRETE SHALL BE READY MIX AND MEET THE FOLLOWING REQUIREMENTS:
   A. A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS.
   B. SLUMPS SHALL BE 4" MINIMUM AND 6" MAXIMUM.
   C. CONCRETE SHALL HAVE 3 PERCENT AIR ENTRAINMENT.
   D. ALL CONCRETE TO HAVE MAXIMUM WATER/CEMENT RATIO OF 0.55.
   E. JOBSITE WATER SHALL NOT BE ADDED.
3. ALL CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ACI BUILDING CODE (ACI 318/ 2008 EDITION), THE ACI DETAILING MANUAL (ACI 315/ 1994 EDITION), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301/ LATEST EDITION).
4. SUBMIT ALL REINFORCING STEEL SHOP DRAWINGS FOR APPROVAL PRIOR TO ANY FABRICATION.
5. CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS REQUIRED BY ACI SPECIFICATIONS.
6. REQUIREMENTS:
   A. ALL REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH BILLET STEEL CONFORMING TO ASTM DESIGNATION A 615 GRADE 60.
7. LAP ALL BARS WITH CLASS B TENSION LAP SPLICE UNLESS OTHERWISE NOTED ON DRAWINGS. LAP ALL WWF A MINIMUM OF 12 INCHES (UNLESS OTHERWISE NOTED).
8. REINFORCING BARS:
   A. AT CORNERS OF CONCRETE WALLS, BEAMS AND CONTINUOUS WALL FOOTINGS, PROVIDE (1-#5 OR MATCHING) HORIZONTAL BARS X 5'-0" BENT BAR FOR EACH HORIZONTAL BAR SCHEDULED AT EACH FACE.
   B. ALL HOOKS SHOWN IN REINFORCEMENT SHALL BE ACI RECOMMENDED HOOKS UNLESS OTHERWISE NOTED.

MASONRY

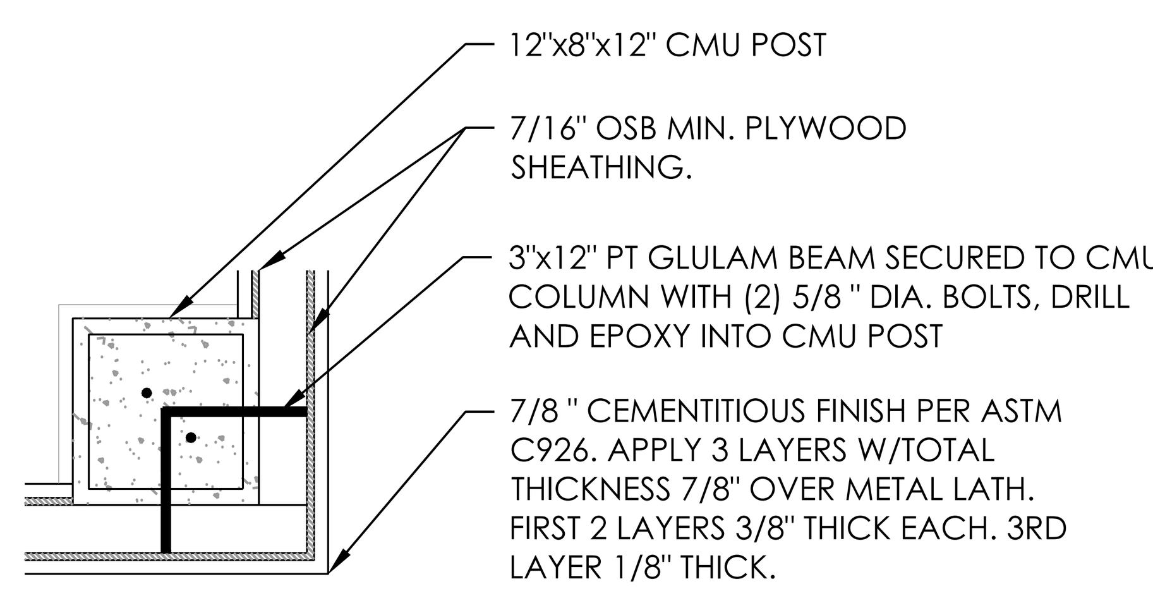
1. MASONRY UNITS SHALL BE
   A. LOAD BEARING ASTM C90
   B. TYPE II NON-MOISTURE CONTROLLED
   C. NORMAL WEIGHT
   D. ALL CMU SHALL BE LAID IN A FULL BED OF MORTAR IN RUNNING BOND (U.N.O.).
2. THE COMPRESSIVE STRENGTH OF MASONRY (F'M) SHALL BE 1,500 PSI AS CALCULATED IN ACCORDANCE WITH ASTM C1314.
3. ALL MORTAR SHALL BE IN ACCORDANCE WITH ASTM SPECIFICATION C270.
   A. FROM FIELD OBTAINED TEST CUBES. (MIN. OF TWO)
4. GROUT SHALL BE A HIGH SLUMP MIX
   A. IN ACCORDANCE WITH ASTM SPECIFICATION C476
   B. HAVING A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI
   C. FROM FIELD OBTAINED TEST CUBES. (MIN. OF TWO)
5. ALL CONCRETE MASONRY BEARING AND SHEAR WALLS SHALL BE INSPECTED BY A CERTIFIED INSPECTION COMPANY AND CONSTRUCTED IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENT FOR MASONRY STRUCTURES" (ACI 530/ASCE 5/TSM 402) AND "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TSM 602)/ 2008 EDITIONS.
6. PROVIDE HOT DIPPED GALVANIZED LADDER TYPE HORIZONTAL JOINT REINFORCEMENT (9 GA.) AT 16" ON CENTER VERTICAL IN ALL MASONRY WALLS. PROVIDE DOVE TAIL SLOT ANCHORS AT CONCRETE COLUMNS.
   FOR JOINT REINFORCEMENT, WALL TIES, ANCHORS AND INSERTS, APPLY A MINIMUM COAT OF 1.5 OUNCES PER SQUARE FOOT (PSF) (458/G/M2) COMPLY WITH THE REQUIREMENTS OF ASTM A153, CLASS B.
7. EPOXY GROUT SHALL BE NON-SHRINK HIGH CREEP RESISTANT, AND SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE PROPERTIES:
   TENSILE STRENGTH, ASTM C 30: 1,500 PSI
   FLEXURAL STRENGTH, ASTM C 580: 4,000 PSI
   COMPRESSIVE STRENGTH, ASTM C 579: 1,600 PSI/7 DAYS.
8. MINIMUM LAP SPLICES FOR REINFORCED CMU (WITH F'M = 1,500 PSI):

BAR SIZE	#4	#5	#6	#7	#8
	25"	31"	57"	79"	87"

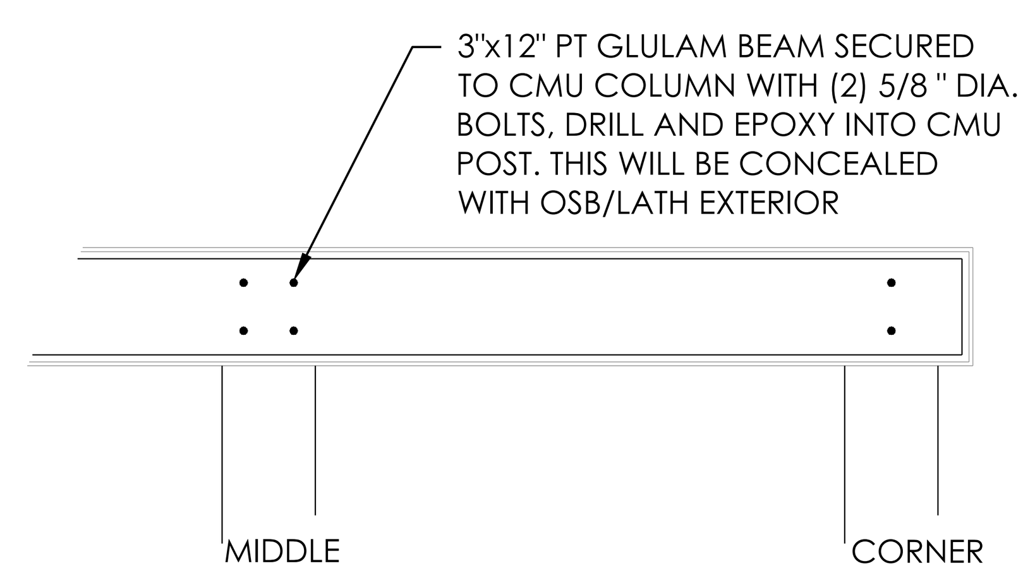
   A. LAP SPLICES SHALL OCCUR DIRECTLY ABOVE FOOTINGS AND SLABS. NO SPLICES ARE ALLOWED AT MID-HEIGHT OF WALL.



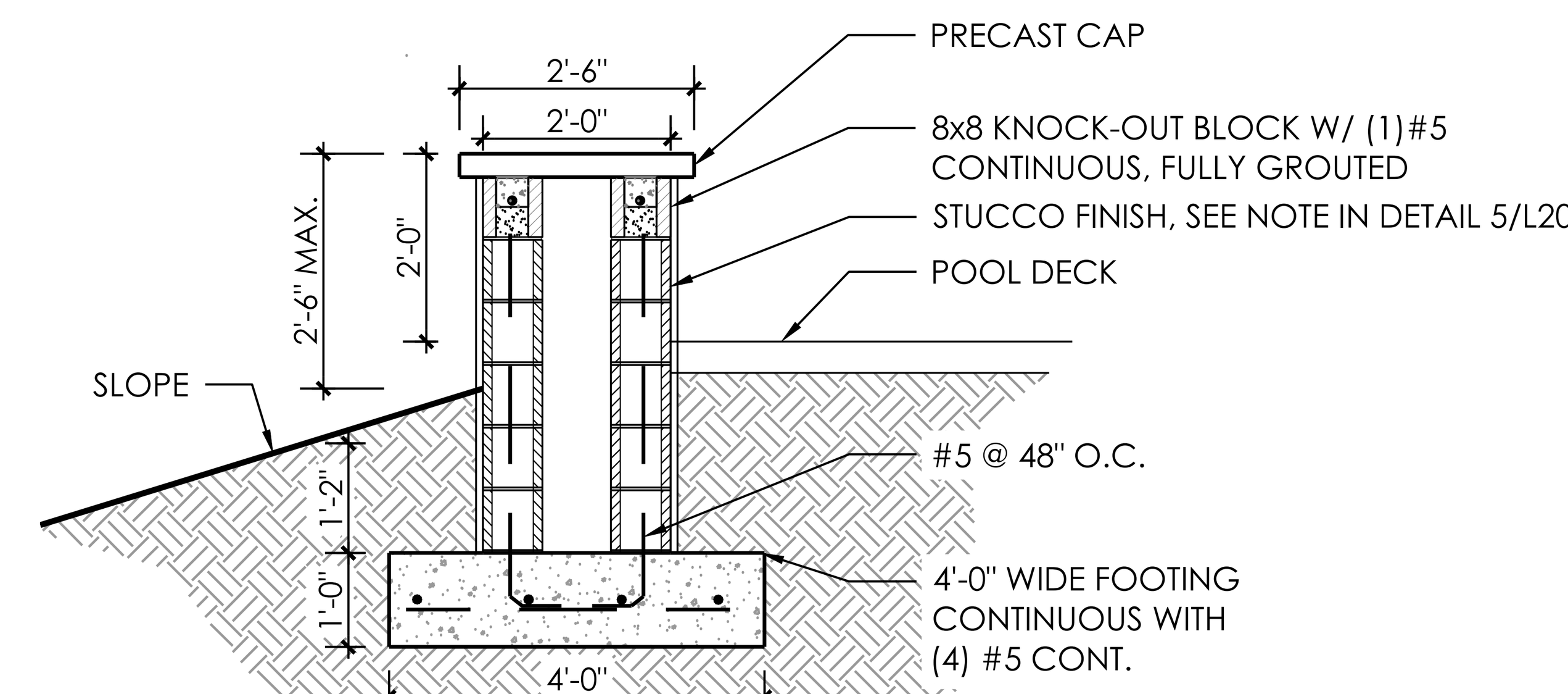
1 L204 ARBOR POST SECTION
SCALE: ½" = 1'-0"



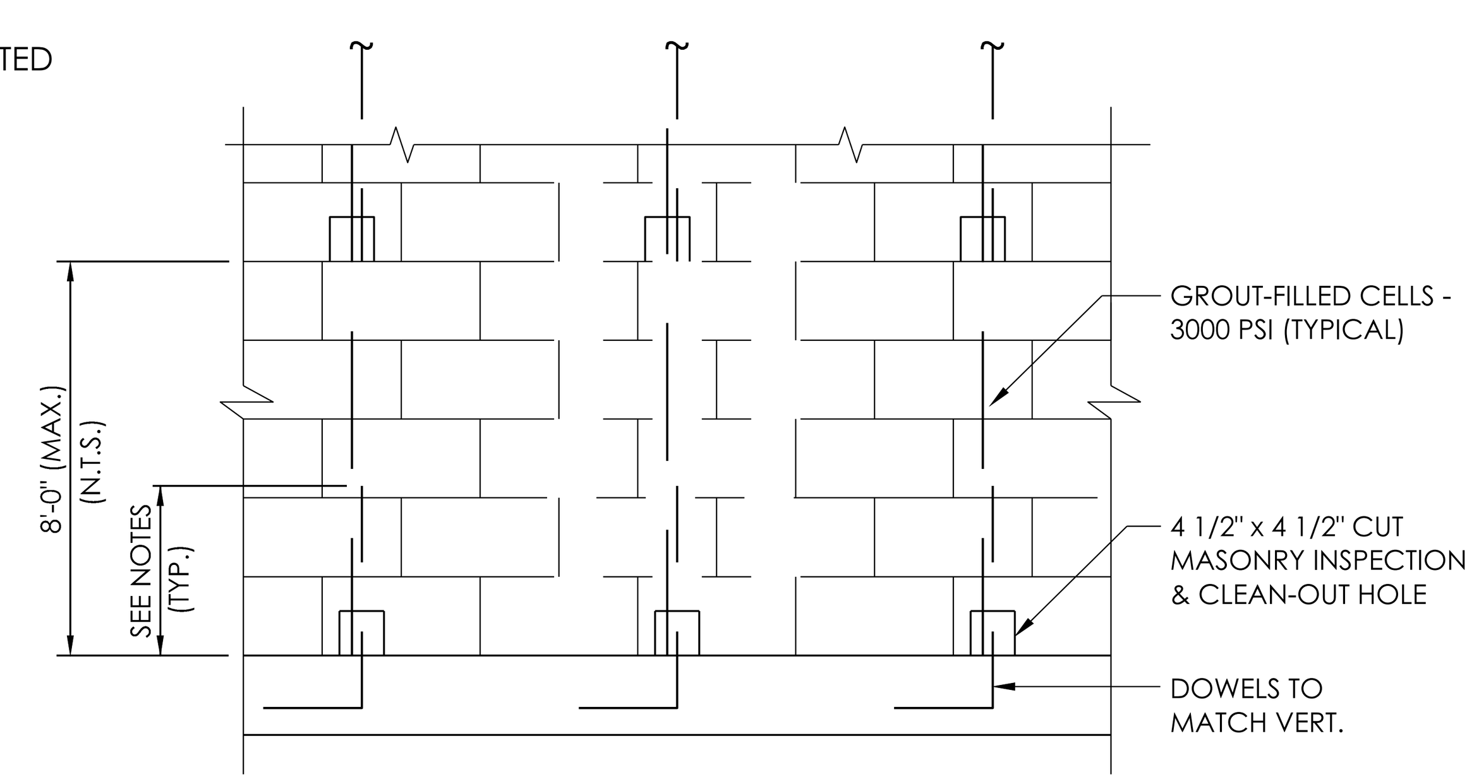
2 L204 TOP CORNER SECTION
SCALE: 1" = 1'-0"



3 L204 TOP ELEVATION
SCALE: ½" = 1'-0"



4 L204 SEAT WALL SECTION
SCALE: ½" = 1'-0"

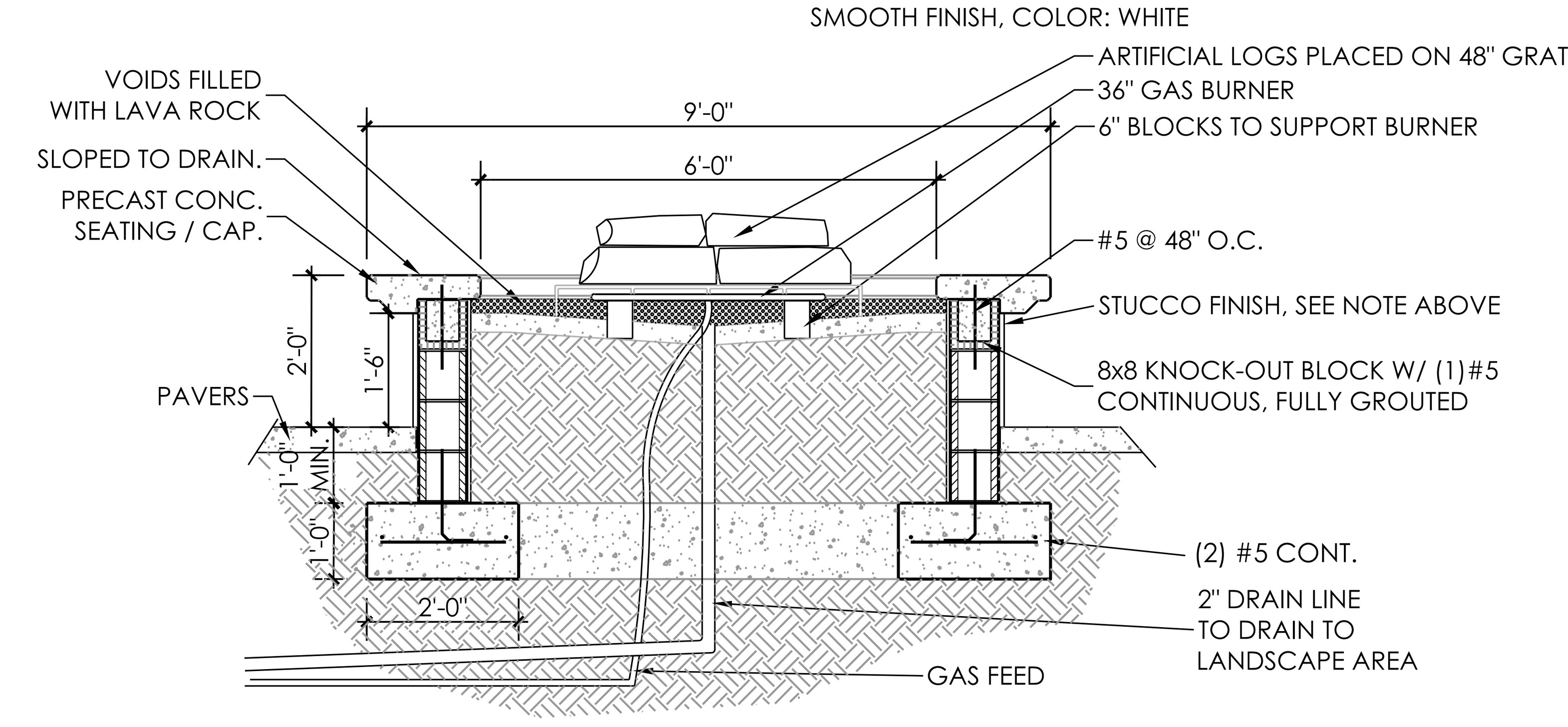


TYPICAL MASONRY FILLED CELL DETAIL

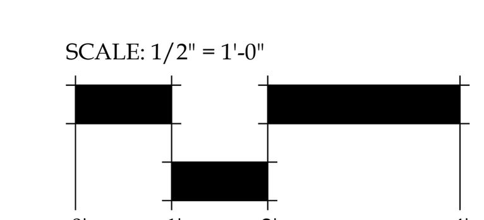
MASONRY WALL NOTES:

1. WALL SEGMENTS SHALL BE REINFORCED WITH 9 GA. GALVANIZED LATERAL REINFORCING @ 16" O.C. HORIZ. EXTEND REINFORCING 6" INTO POURED ELEMENTS AND AROUND ENCASED STEEL.
2. ALL MASONRY REINFORCED CELLS SHALL BE FILLED WITH 3000 PSI GROUT MIX.

STUCCO NOTE: 7/8" CEMENTITIOUS FINISH PER ASTM C926. APPLY 3 LAYERS W/TOTAL THICKNESS 7/8" OVER METAL LATH. FIRST 2 LAYERS 3/8" THICK EACH. 3RD LAYER 1/8" THICK. SMOOTH FINISH, COLOR: WHITE



5 L204 FIRE PIT SECTION
SCALE: ½" = 1'-0"



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BJARNE MADSEN FL #58683

L204

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