

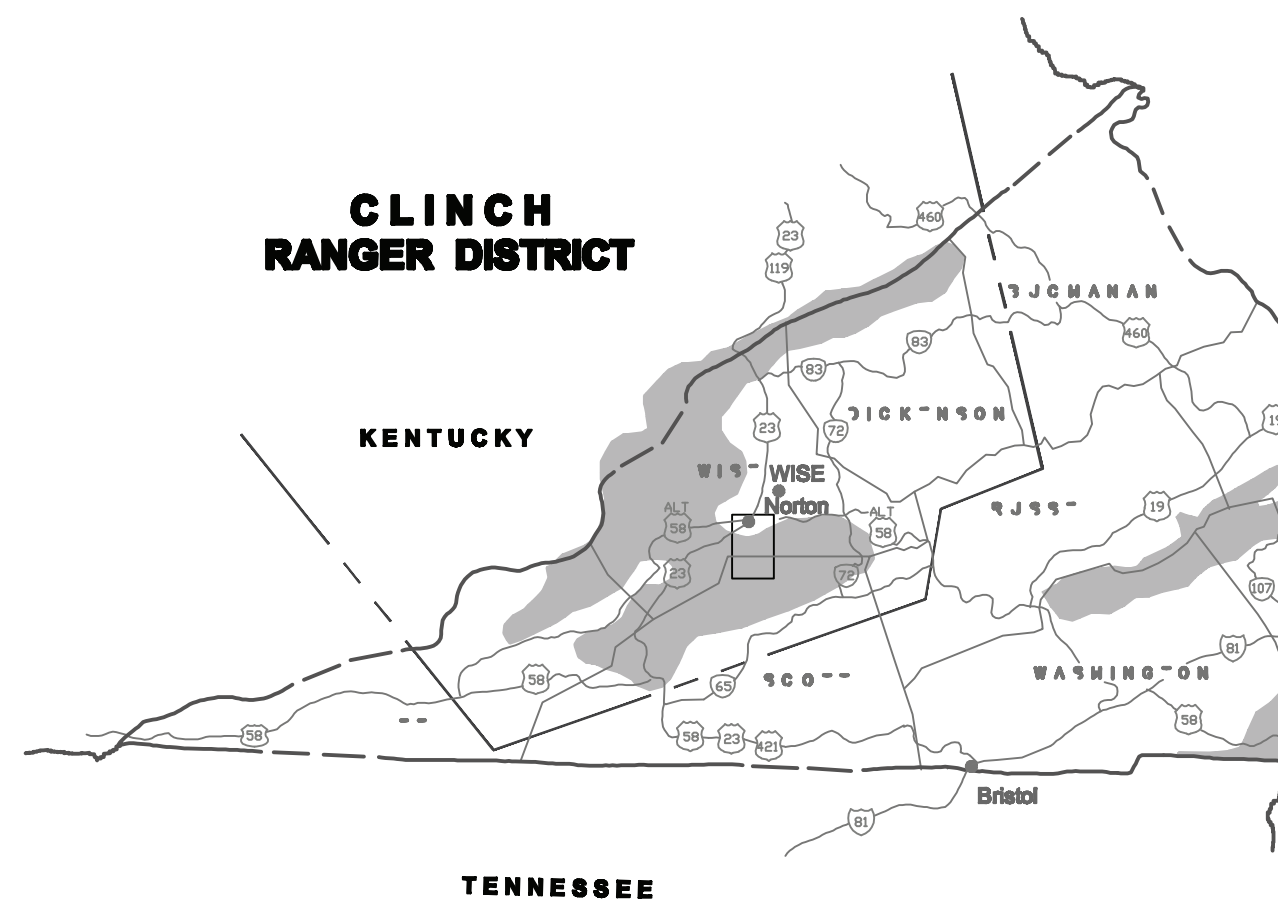
# UNITED STATES DEPARTMENT OF AGRICULTURE FOREST SERVICE

REGION 8

## GEORGE WASHINGTON and JEFFERSON National Forests CLINCH RANGER DISTRICT

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
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L-101	SITE PLAN
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L-501	DETAILS
L-502	DETAILS
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A-101	PLANS, ELEVATIONS AND SECTIONS
A-201	ELEVATION, PLAN
A-301	SECTIONS AND DETAILS
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A-303	SECTIONS AND DETAILS
A-401	SUNDIAL PLANS, ELEVATIONS, SECTIONS AND FINISHES

### PLANS FOR THE CONSTRUCTION OF HIGH KNOB OBSERVATION TOWER AND SITE DESIGN



0 15 30  
SCALE IN MILES

AREA MAP



PROJECT LOCATION

VICINITY MAP

1 0 1 2  
SCALE IN MILES



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**REVIEWED:**

\_\_\_\_\_  
ELM STAFF OFFICER DATE

\_\_\_\_\_  
RECREATION STAFF OFFICER DATE

\_\_\_\_\_  
DISTRICT RANGER DATE

**APPROVED:**

\_\_\_\_\_  
FOREST SUPERVISOR DATE

**NEPA DECISION DOCUMENT** \_\_\_\_\_  
DATE

**G002**

Sheet No. \_\_\_\_\_  
 Project No. 1016  
 Drawn By: \_\_\_\_\_  
 Reviewed By: \_\_\_\_\_  
 Date: MARCH 02, 2011  
 Month xx, 2010

**ABBREVIATIONS**

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**HILL OBSERVATION TOWER AND SITE DESIGN**

NORTON VIRGINIA

CONSULTING ENGINEERS  
 THOMPSON & LITTON  
 STRUCTURAL AND CIVIL

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 Room 403, VA 24011  
 Roanoke, VA  
 Tel: 540-342-5763 Fax: 540-345-5025  
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SYMBOL	DESIGNATED SYMBOLS	1	2	3	4	5	6	7	8	9	10
0	PLAN NORTH	[Diagram: Circle with vertical line and arrow pointing up]									
1	ACTUAL	[Diagram: Circle with diagonal line and arrow pointing up-right]									
2	PLAN NORTH	[Diagram: Circle with vertical line and arrow pointing up]									
3	INTERIOR ELEVATION (ONE WALL)	[Diagram: Wall section with section line A-B]									
4	SECTION	[Diagram: Wall section with section line 1-1]									
5	SPACE	[Diagram: Conference room layout with room number 203]									
6	DOORS	[Diagram: Door symbols with room number 201]									
7	WINDOWS	[Diagram: Window symbols with letter 'd']									
8	PARTITION TYPE	[Diagram: Partition symbols with letter 'e']									
9	ABREVIATIONS	[Table of abbreviations for structural and architectural elements]									
10	DESIGNATED SYMBOLS	[Table of designated symbols for structural and architectural elements]									



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## HIGH KNOB OBSERVATION TOWER AND SITE DESIGN

NORTON VIRGINIA

Seal

Title:

### EROSION AND SEDIMENT CONTROL PLAN

Date: MARCH 8, 2011

Revisions:

Month xx, 2011

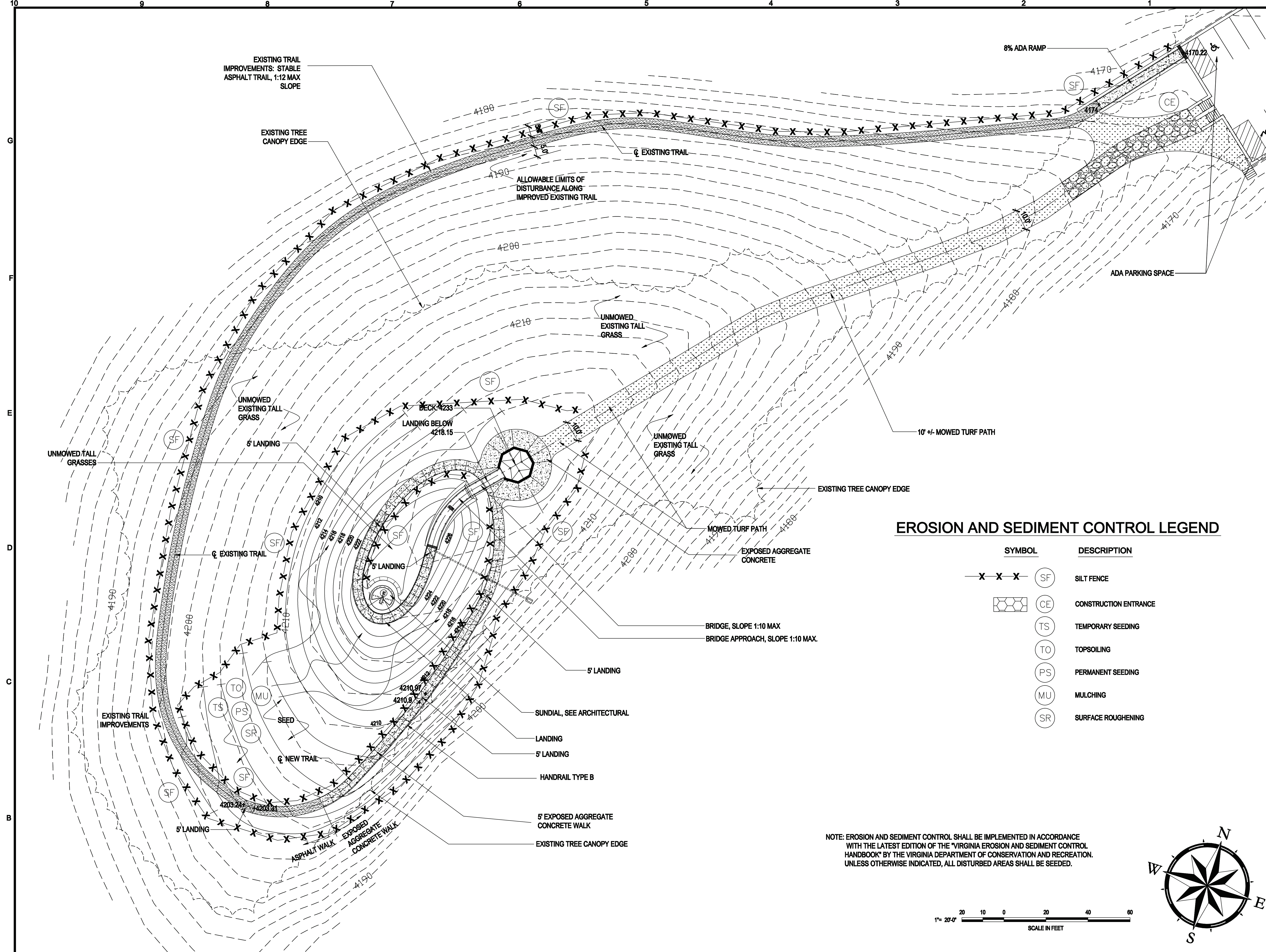
Drawn By: GWILE

Review By: CC/GWHG

Project No. 1016

Sheet No.

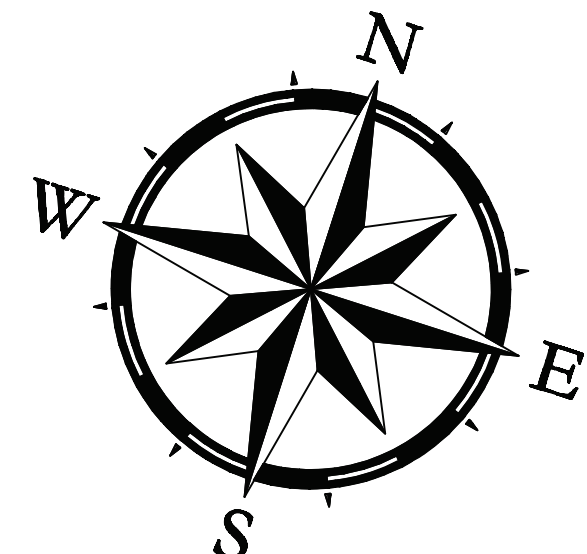
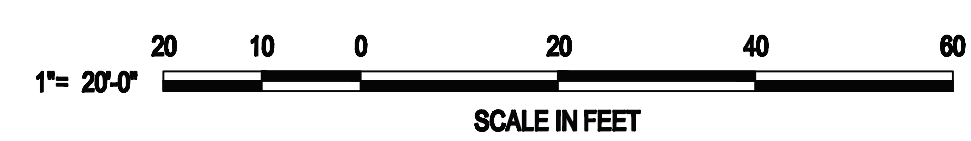
# C-101

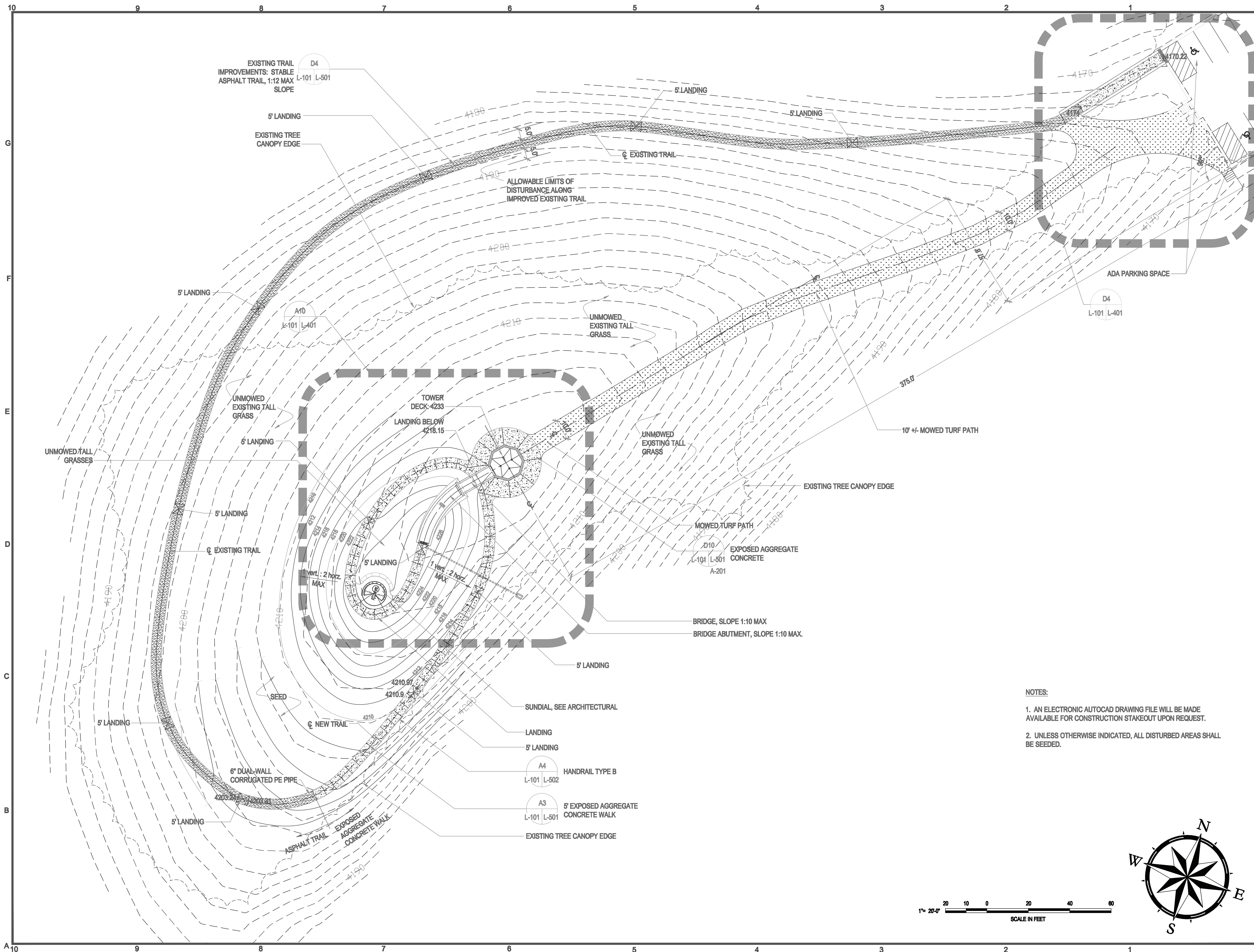


### EROSION AND SEDIMENT CONTROL LEGEND

SYMBOL	DESCRIPTION
— X X X —	SILT FENCE
◻	CONSTRUCTION ENTRANCE
○	TEMPORARY SEEDING
○	TOPSOILING
○	PERMANENT SEEDING
○	MULCHING
○	SURFACE ROUGHENING

NOTE: EROSION AND SEDIMENT CONTROL SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE LATEST EDITION OF THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK" BY THE VIRGINIA DEPARTMENT OF CONSERVATION AND RECREATION. UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS SHALL BE SEED.





EXISTING TRAIL IMPROVEMENTS: STABLE ASPHALT TRAIL, 1:12 MAX SLOPE  
 D4  
 L-101 L-501

5' LANDING  
 EXISTING TREE CANOPY EDGE

ALLOWABLE LIMITS OF DISTURBANCE ALONG IMPROVED EXISTING TRAIL

UNMOWED EXISTING TALL GRASS  
 5' LANDING

TOWER DECK: 4233  
 LANDING BELOW: 4218.15

UNMOWED EXISTING TALL GRASS

10' +/- MOWED TURF PATH

EXISTING TREE CANOPY EDGE

MOWED TURF PATH  
 EXPOSED AGGREGATE CONCRETE  
 D10  
 L-101 L-501  
 A-201

BRIDGE, SLOPE 1:10 MAX  
 BRIDGE ABUTMENT, SLOPE 1:10 MAX.

SUNDIAL, SEE ARCHITECTURAL

LANDING

5' LANDING

A4  
 L-101 L-502  
 HANDRAIL TYPE B

A3  
 L-101 L-501  
 5' EXPOSED AGGREGATE CONCRETE WALK

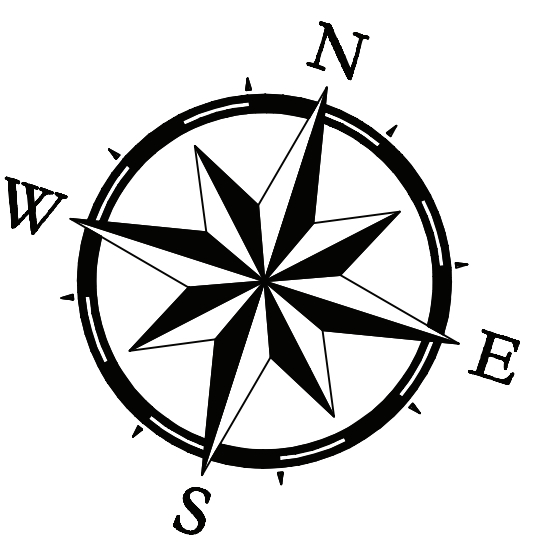
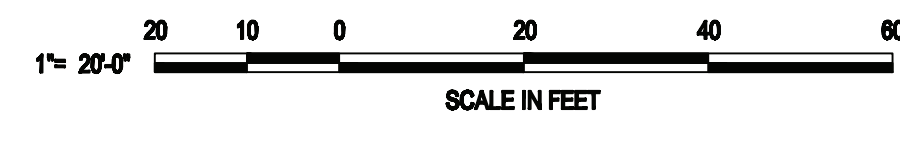
EXISTING TREE CANOPY EDGE

6" DUAL-WALL CORRUGATED PE PIPE  
 4203.27  
 4203.21

ASPHALT TRAIL  
 EXPOSED AGGREGATE CONCRETE WALK

**NOTES:**

1. AN ELECTRONIC AUTOCAD DRAWING FILE WILL BE MADE AVAILABLE FOR CONSTRUCTION STAKEOUT UPON REQUEST.
2. UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS SHALL BE SEEDED.



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**HIGH KNOB OBSERVATION TOWER AND SITE DESIGN**

NORTON VIRGINIA



Seal

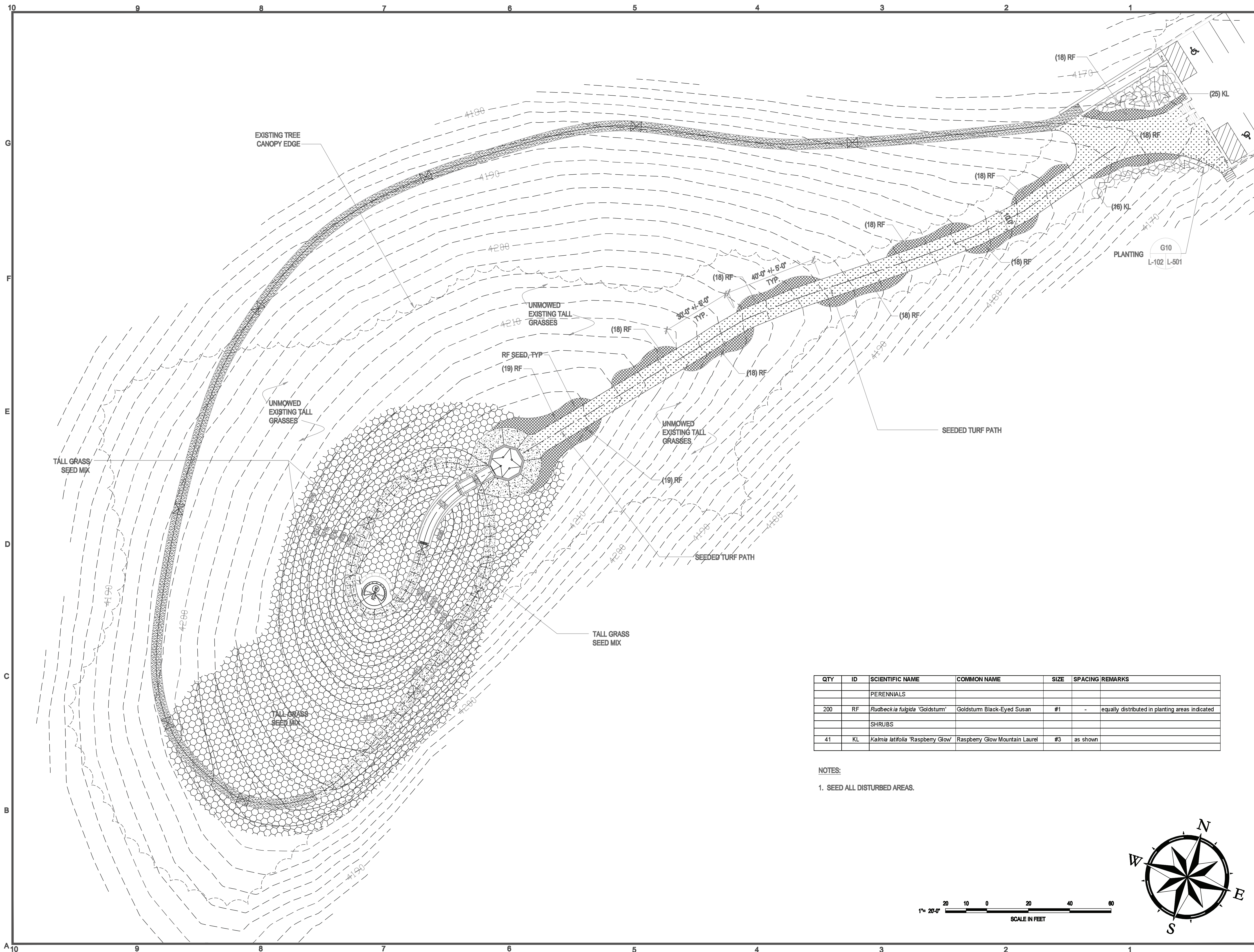


Title:

**SITE PLAN**

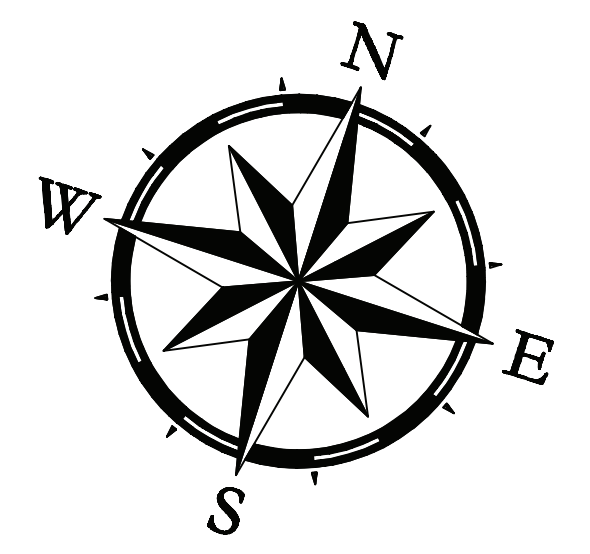
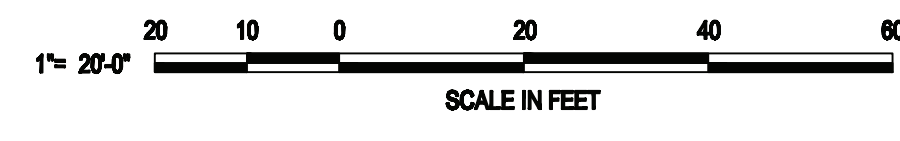
Date:	MARCH 8, 2011
Revisions:	
Month xx, 2011	
Drawn By:	GW/E
Review By:	CC/GW/HG
Project No.:	1016
Sheet No.:	

**L-101**



QTY	ID	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	REMARKS
		PERENNIALS				
200	RF	<i>Rudbeckia fulgida</i> 'Goldsturm'	Goldsturm Black-Eyed Susan	#1	-	equally distributed in planting areas indicated
		SHRUBS				
41	KL	<i>Kalmia latifolia</i> 'Raspberry Glow'	Raspberry Glow Mountain Laurel	#3		as shown

NOTES:  
 1. SEED ALL DISTURBED AREAS.



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**HIGH KNOB  
OBSERVATION  
TOWER  
AND  
SITE  
DESIGN**

NORTON  
VIRGINIA



Seal  
 THOMPSON & LITTON



Title:  
**PLANTING PLAN**

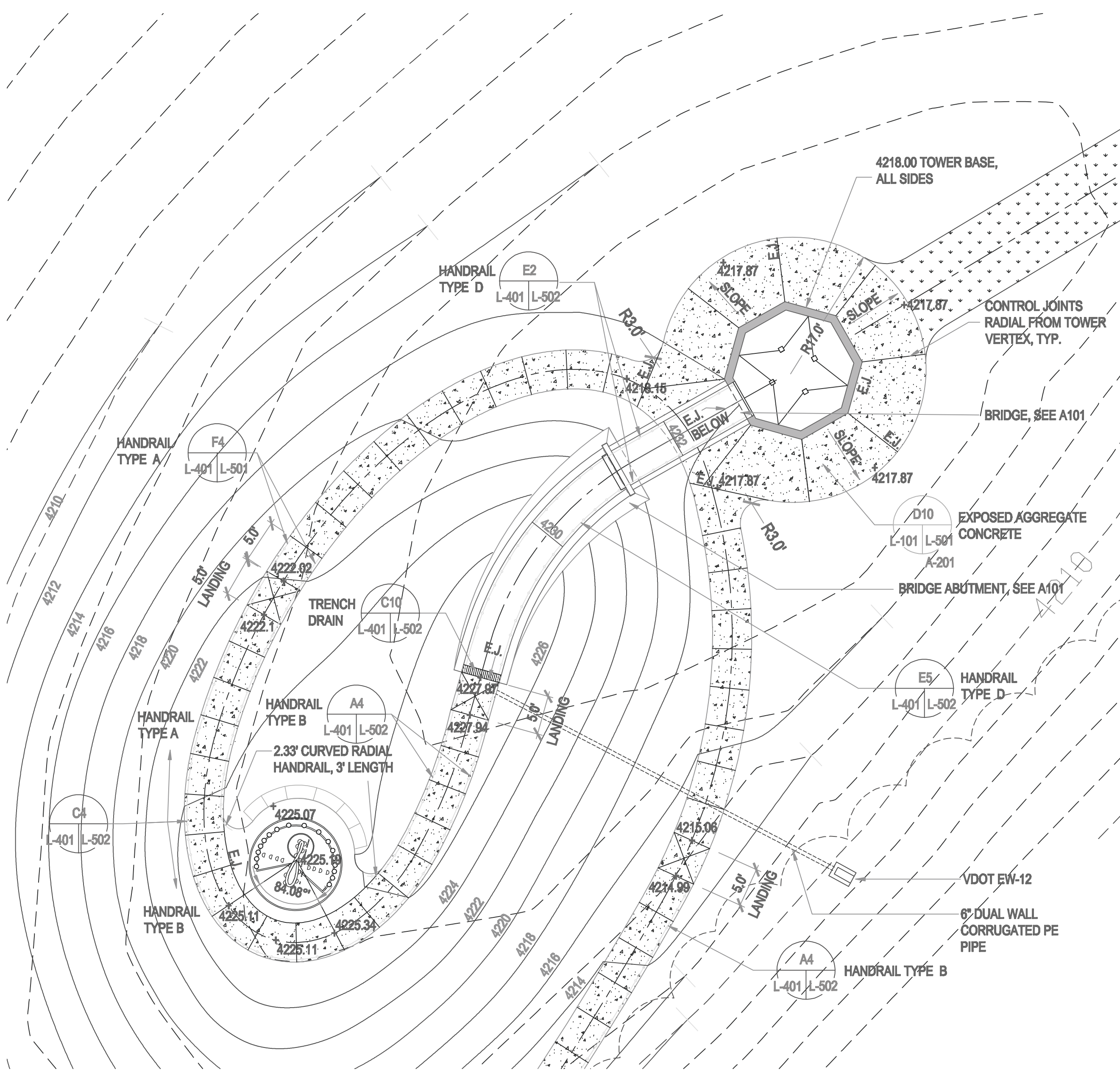
Date: MARCH 8, 2011  
 Revisions:  
 A Month xx, 2011  
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 Drawn By: GW/LE  
 Review By: CC/GW/NG  
 Project No. 1016

Sheet No.

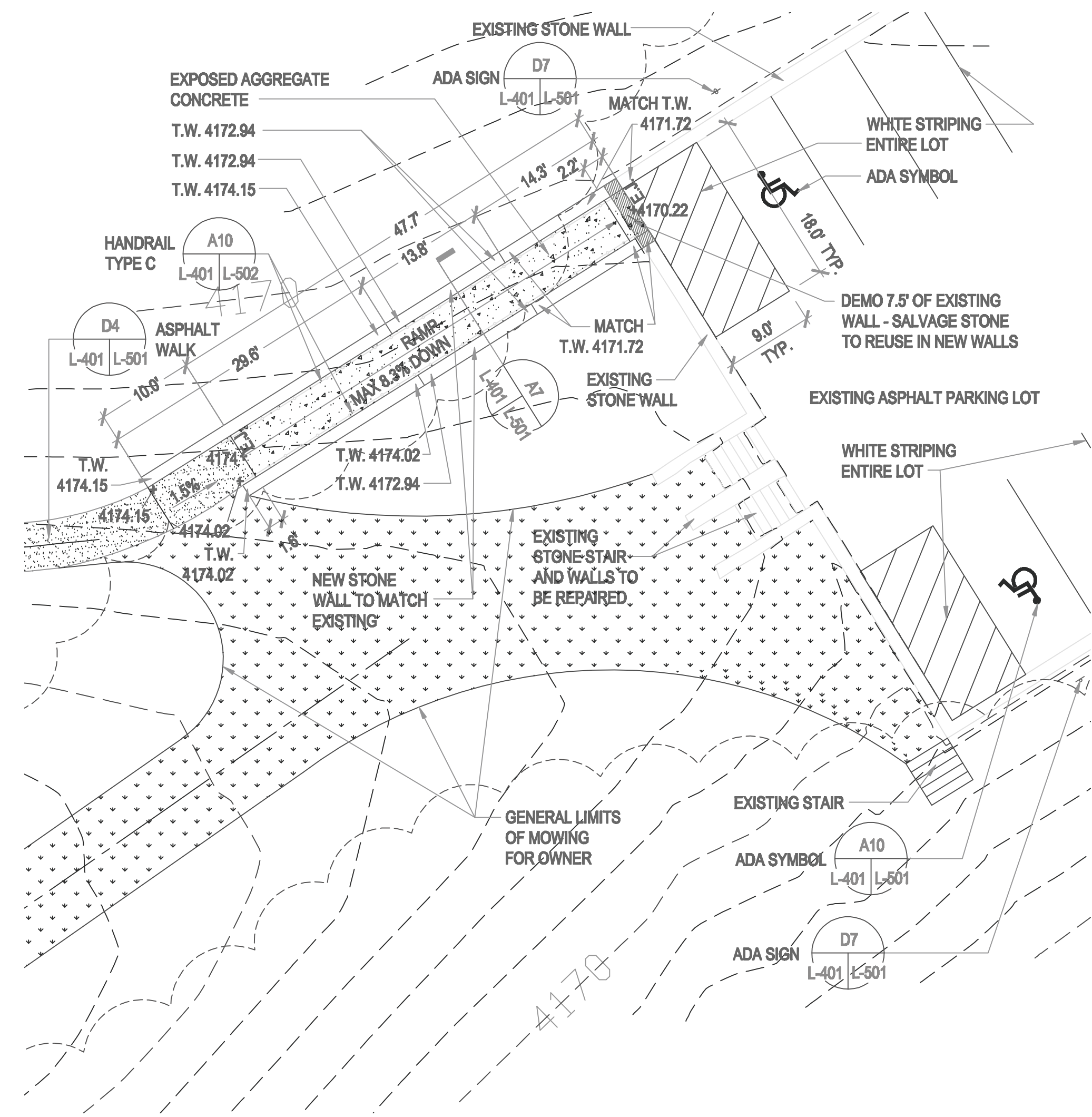
**L-102**

**GENERAL NOTES:**

1. FOR TOWER, BRIDGE AND BRIDGE ABUTMENT, SEE ARCH.
2. SEED ALL DISTURBED AREAS.
3. CONTROL JOINTS EVERY 5' UNLESS OTHERWISE INDICATED.
4. EXPANSION JOINTS EVERY 30' UNLESS OTHERWISE INDICATED.

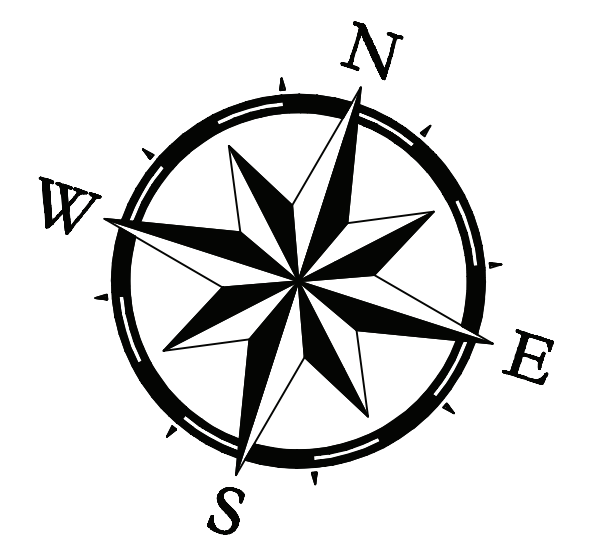


**A10 OBSERVATION TOWER**  
L-101 L-401 SCALE: 1" = 10'-0"



**D4 PARKING LOT AND RAMP**  
L-101 L-401 SCALE: 1" = 10'-0"

1" = 10'-0"  
SCALE IN FEET

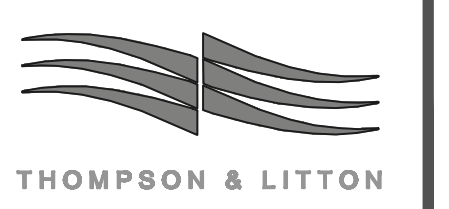


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**HIGH KNOB OBSERVATION TOWER AND SITE DESIGN**

NORTON VIRGINIA



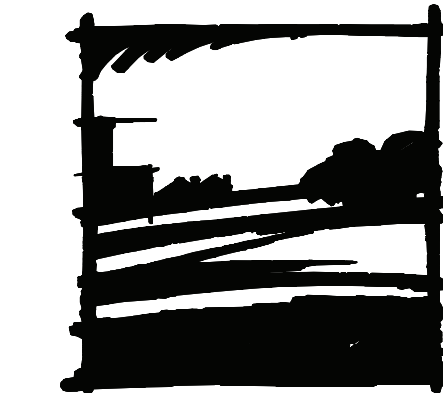
Seal



**ENLARGED AREA PLANS**

Date:	MARCH 8, 2011
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	Month xx, 2011
Drawn By:	GW/E
Review By:	CC/GW/HG
Project No.:	1016
Sheet No.:	

**L-401**



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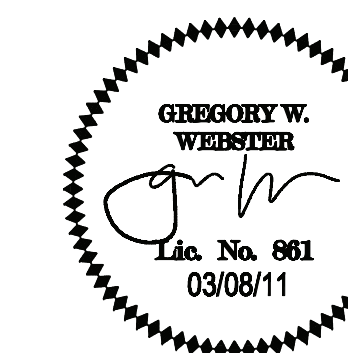
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**HIGH KNOB  
OBSERVATION  
TOWER  
AND  
SITE DESIGN**

NORTON  
VIRGINIA



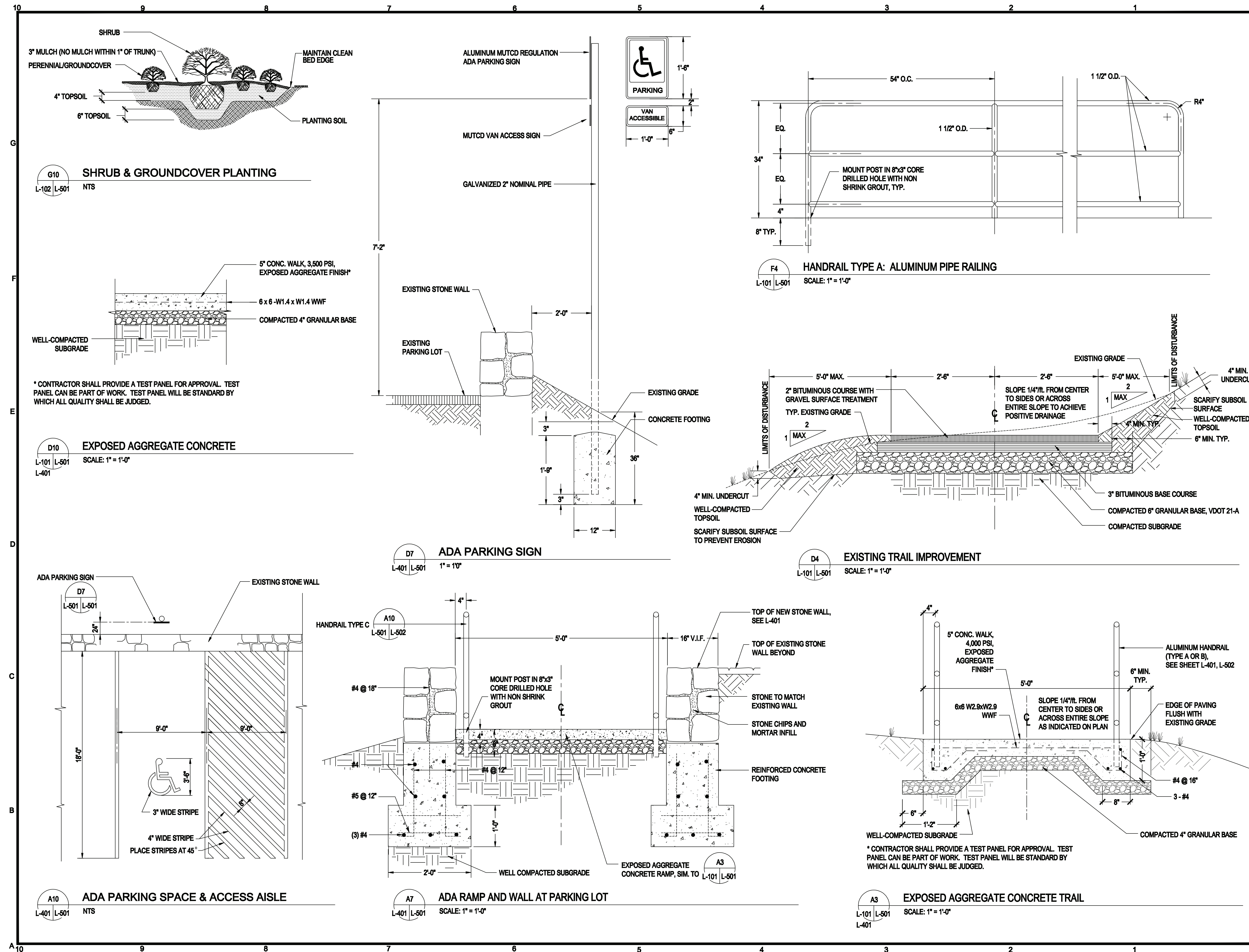
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Title:  
**DETAILS**

Date: MARCH 8, 2011  
Revisions:  
A: Month xx, 2011  
Drawn By: GW/LE  
Review By: CG/GWHG  
Project No. 1016  
Sheet No.

**L-501**



**G10 SHRUB & GROUND COVER PLANTING**

L-102 L-501 NTS

**D10 EXPOSED AGGREGATE CONCRETE**

L-101 L-501 SCALE: 1" = 1'-0"  
L-401

**D7 ADA PARKING SIGN**

L-401 L-501 1" = 10"

**D4 EXISTING TRAIL IMPROVEMENT**

L-101 L-501 SCALE: 1" = 1'-0"

**A10 ADA PARKING SPACE & ACCESS AISLE**

L-401 L-501 NTS

**A7 ADA RAMP AND WALL AT PARKING LOT**

L-401 L-501 SCALE: 1" = 1'-0"

**A3 EXPOSED AGGREGATE CONCRETE TRAIL**

L-101 L-501 SCALE: 1" = 1'-0"  
L-401



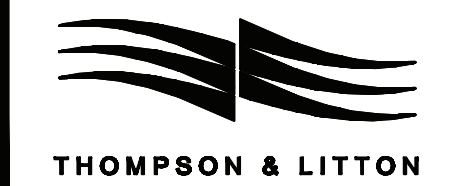
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## HIGH KNOB OBSERVATION TOWER AND SITE DESIGN

NORTON VIRGINIA



Seal



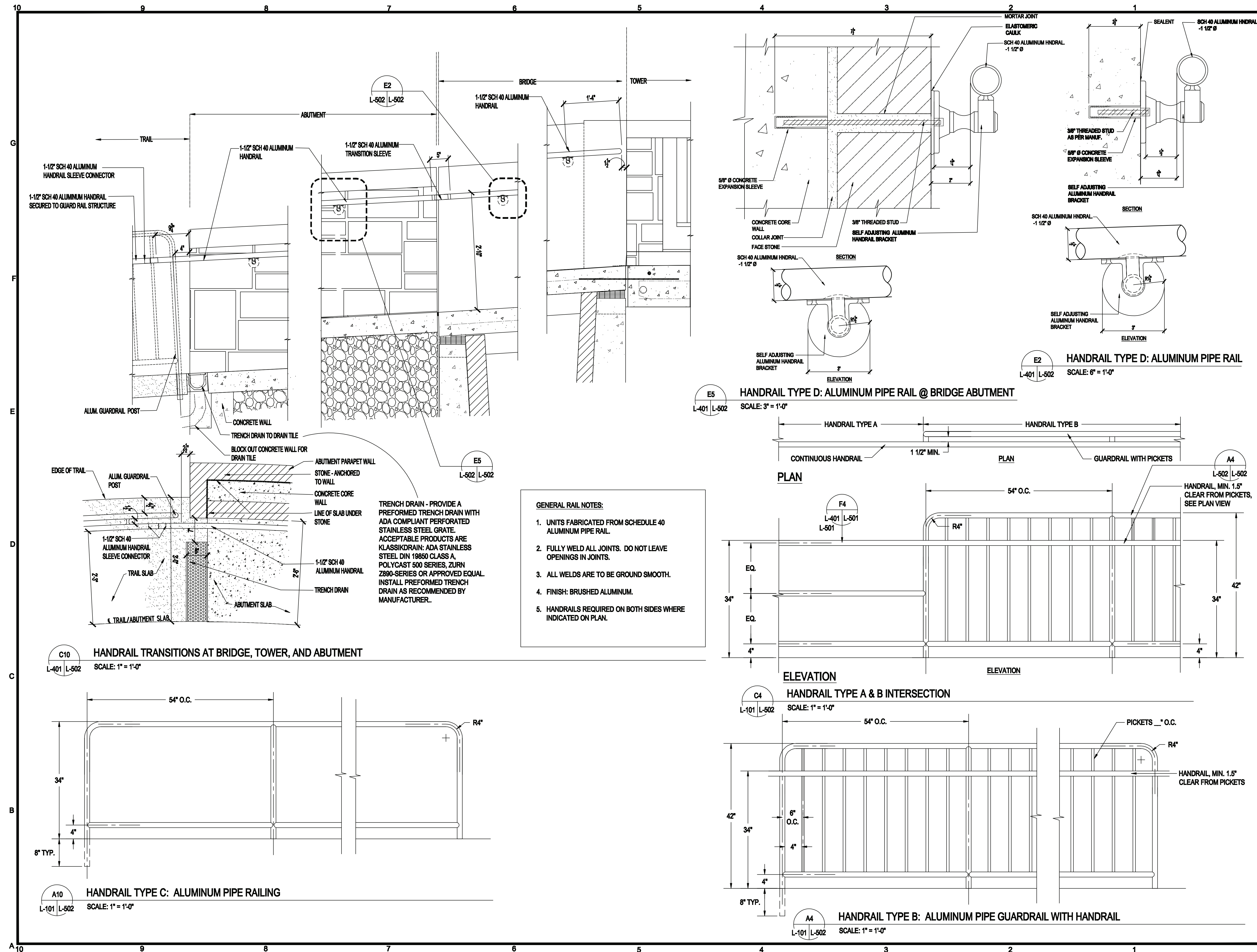
Title:

### DETAILS

Date: MARCH 8, 2011  
Revisions:  
A: Month xx, 2011  
Drawn By: GW/LE  
Review By: CC/GW/HG  
Project No. 1016

Sheet No.

# L-502





## GENERAL NOTES

### GENERAL

1. THE CONTRACTOR SHALL INVESTIGATE ACTUAL LOCATIONS OF UNDERGROUND LINES AND UTILITIES BEFORE EXCAVATING AND ADVISE ENGINEER OF ANY VARIATIONS. ALL EXCAVATIONS NEAR THESE LINES SHALL BE CARRIED OUT WITH EXTREME CAUTION.
2. THE CONTRACTOR SHALL CONTACT "MISS UTILITY OF VIRGINIA" 72 HOURS BEFORE ANY EXCAVATION WORK IS BEGUN. "MISS UTILITY OF VIRGINIA" MAY BE REACHED AT 1-800-552-7001.
3. SEE ARCHITECTURAL DRAWINGS FOR THE LOCATION OPENINGS AND FOR OTHER INFORMATION NOT SHOWN.
4. THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING FOR THE STRUCTURE SO THAT IT WILL BE STABLE DURING ALL STAGES OF CONSTRUCTION. THE STRUCTURE AND FOUNDATIONS ARE DESIGNED FOR A COMPLETED CONDITION ONLY AND, THEREFORE, MAY REQUIRE ADDITIONAL SUPPORT TO MAINTAIN STABILITY BEFORE COMPLETION.
5. RETAINING WALLS MAY REQUIRE SHORING PRIOR TO BACKFILLING. SHORES SHALL REMAIN IN PLACE UNTIL ALL SUPPORTING STRUCTURES ARE IN PLACE AND HAVE OBTAINED THEIR DESIGN STRENGTH. THE DESIGN OF SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED BY AN ENGINEER LICENSED IN THE STATE IN WHICH THE WORK IS BEING DONE.
6. UNLESS OTHERWISE NOTED, ALL ELEVATIONS INDICATED FOR FOUNDATION WORK ARE REFERENCED TO MEAN SEA LEVEL AND ALL ELEVATIONS INDICATED FOR STEEL WORK ARE REFERENCED FROM TOWER FINISHED FLOOR DATUM ELEVATION 0'-0" = 4233.00 (MSL).

### CONCRETE

1. ALL FOOTINGS AND FOUNDATIONS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 3000 PSF. FOOTINGS ARE TO BEAR ON UNDISTURBED SOIL OR COMPACTED, ENGINEERED FILL. ALL FOOTING EXCAVATIONS SHALL BE APPROVED BY A QUALIFIED SOILS TECHNICIAN OR ENGINEER. REPORT ANY DISCREPANCIES WITH THE SOILS REPORT TO THE ENGINEER PRIOR TO PLACING CONCRETE.
2. UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS, ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI FOR ALL CONCRETE IN 28 DAYS.
3. UNLESS OTHERWISE NOTED, ALL REINFORCING STEEL SHALL BE GRADE 60, DEFORMED BARS, CONFORMING TO ASTM A-615. REINFORCING STEEL TO BE WELDED SHALL BE ASTM A-706, DEFORMED. REINFORCING STEEL SHALL NOT BE WELDED UNLESS APPROVED BY THE ENGINEER.
4. UNLESS OTHERWISE NOTED, ALL DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI-SP-66--LATEST EDITION).
5. UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS, ALL CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS:
  - a. 3" FOR CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.
  - b. 1.1/2" FOR NO. 5 BARS AND SMALLER FOR CONCRETE EXPOSED TO EARTH OR WEATHER.
  - c. 2" FOR NO. 6 BARS AND LARGER FOR CONCRETE EXPOSED TO EARTH OR WEATHER.
6. ALL BAR SPLICES SHALL BE CLASS "B" TENSION SPLICES UNLESS OTHERWISE NOTED.
7. ALL EMBEDDED STRUCTURAL STEEL SHALL BE ASTM A-36 UNLESS OTHERWISE NOTED.
8. PROVIDE TWO (2) #5 BARS ON ALL SIDES OF OPENINGS IN CONCRETE WALLS WHERE LARGEST DIMENSION EXCEEDS 12". EXTEND BARS 2'-0" BEYOND EDGE OF OPENING.
9. PROVIDE 2- #4 DIAGONAL BARS IN THE TOP FACE OF SLAB-ON-GRADE AT ALL RE-ENTRANT CORNERS.
10. EXTEND REINFORCING BARS PAST RE-ENTRANT CORNERS A MINIMUM OF TENSION DEVELOPMENT LENGTH 1.5\*(Ld).
11. INTERSECTING WALLS SHALL BE KEYED IF PLACED SEPARATELY. RUN HORIZONTAL WALL REINFORCING CONTINUOUSLY INTO INTERSECTING WALL.
12. CHAMFER ALL EXPOSED EXTERNAL CORNERS OF CONCRETE WITH 3/4" X 45 DEGREE CHAMFER UNLESS OTHERWISE NOTED.
13. UNLESS OTHERWISE NOTED, REINFORCE ALL CONCRETE SLABS-ON-GRADE WITH 6X6-W2.9 X W2.9 WELDED WIRE FABRIC.
14. WELDED WIRE FABRIC REINFORCING SHALL LAP ONE FULL MESH AND BE SECURELY WIRED AT EACH SIDE AND END.
15. SHORING REQUIREMENTS OF PERMANENT METAL FORMS FOR ELEVATED SLABS SHALL BE DETERMINED BY AND BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DESIGN SHALL BE PERFORMED BY AN ENGINEER LICENSED IN THE STATE IN WHICH THE WORK IS BEING DONE.
16. ADHESIVE ANCHORS SHALL BE HEAVY DUTY, TWO COMPONENT ADHESIVE ANCHOR CONSISTING OF A SELF-CONTAINED ADHESIVE CAPSULE. ADHESIVE RESIN SHALL BE VINYL URETHANE METHACRYLATE WITH A COMPATIBLE HARDENER. THE USE OF ADHESIVE ANCHORS SHALL ONLY BE PERMITTED IF APPROVED BY THE ENGINEER IN WRITING.
17. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DETAILS ON CONCRETE FINISHES U.N.O.

### STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE REQUIREMENTS OF ASTM A992 OR A572 GR. 50, AND ASTM A500 GR. B 46 KSI FOR HOLLOW STRUCTURAL SHAPES. ANGLES PLATES AND OTHER MISCELLANEOUS MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36, OR A992.
2. ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE REQUIREMENTS OF THE AISC SPECIFICATIONS FOR BUILDINGS, ASD DESIGN, 13TH EDITION.
3. UNLESS OTHERWISE NOTED, ALL CONNECTIONS SHALL BE MADE BY WELDING.
4. UNLESS OTHERWISE NOTED, WELDS SHALL BE MADE WITH E-70XX ELECTRODES.
5. ROOF DECK AND THEIR CONNECTIONS SHALL BE DESIGNED FOR A NET UPLIFT OF 35 P.S.F. MINIMUM.
6. CONNECTIONS FOR ALL FRAMING MEMBERS SHALL EITHER DEVELOP THE FORCE INDICATED ON THE PLANS, ONE-HALF OF THE ALLOWABLE TENSION FORCE IN THE MEMBER OR 6 KIPS, WHICHEVER IS LARGER.
7. ALL STRUCTURAL STEEL SHALL BE GALVANIZED AND COATED PER THE COATING SPECIFICATIONS.
8. ALL HSS STRUCTURAL STEEL MEMBERS SHALL HAVE A CAP PLATE OF THE SAME THICKNESS WELDED ALL-AROUND TO ALL ENDS NOT ATTACHED TO ANOTHER MEMBER BY AN ALL-AROUND WELD.

## DESIGN CRITERIA

### 1. GOVERNING CODES:

VIRGINIA UNIFORM STATEWIDE BUILDING CODE (2006 EDITION)

REFERENCED CODES AND STANDARDS:  
INTERNATIONAL BUILDING CODE (2006 EDITION)  
BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318 - LATEST EDITION)  
AISC STEEL CONSTRUCTION MANUAL (ASD 13TH EDITION)

OCCUPANCY CATEGORY II

### 2. DEAD LOADS:

FRAMING 5 PSF (OR SELF WEIGHT)

### 3. LIVE LOADS:

ROOF LIVE LOAD 20 PSF  
ALL OTHER AREAS 100 PSF

### 4. SNOW LOADS:

FLAT ROOF SNOWLOAD 34 PSF  
GROUND SNOW LOAD 40 PSF  
SNOW LOAD IMPORTANCE FACTOR 1.0  
SNOW EXPOSURE FACTOR 1.0  
THERMAL FACTOR 1.2

### 5. WIND LOADS:

BASIC WIND SPEED 90 MPH  
EXPOSURE CATEGORY D  
WIND LOAD IMPORTANCE FACTOR 1.0  
BUILDING HEIGHT LESS THAN 60 FEET INTERNAL PRESSURE COEFFICIENT (Gcpi) 0.18±  
COMPONENT AND CLADDING 25 PSF WINDWARD SIDE, 35 PSF (SUCTION) LEEWARD SIDE

### 6. SEISMIC LOADS:

STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE  
ORDINARY CONCRETE SHEAR WALLS

MAPPED SPECIAL RESPONSE ACCELERATIONS:  
SHORT PERIOD (S<sub>s</sub>) .336  
1-SECOND PERIOD (S<sub>1</sub>) 0.094  
SOIL SITE CLASSIFICATION C

SHORT PERIOD SPECTRAL RESPONSE ACCELERATION (S<sub>Ds</sub>) 0.268  
1-SECOND PERIOD - DESIGN SPECTRAL RESPONSE ACCELERATION (SD<sub>1</sub>) 0.107

FUNDAMENTAL PERIOD 0.25 sec  
SEISMIC IMPORTANCE FACTOR 1.0  
SEISMIC DESIGN CATEGORY C  
RESPONSE MODIFICATION FACTOR 3.0  
SYSTEM OVER-STRENGTH FACTOR 3.0  
DEFLECTION AMPLIFICATION FACTOR 4.0  
SEISMIC RESPONSE COEFFICIENT (C<sub>s</sub>) 0.89  
BASE DESIGN SHEAR 20 KIPS

PROCEDURE USED : EQUIVALENT LATERAL FORCE

### 7. SEE DRAWINGS FOR ADDITIONAL LOCALIZED LOADINGS.



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THOMPSON & LITTON

T&L PROJ. NO. 10427-03

## HIGH KNOB OBSERVATION TOWER AND SITE DESIGN

NORTON  
VIRGINIA

Seal

Title:  
**GENERAL NOTES  
AND  
DESIGN CRITERIA**

Date: **January 28, 2011**

Revisions:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Drawn By: **JFM**

Review By: **JTH**

Project No. **1018**

Sheet No.

# S-001



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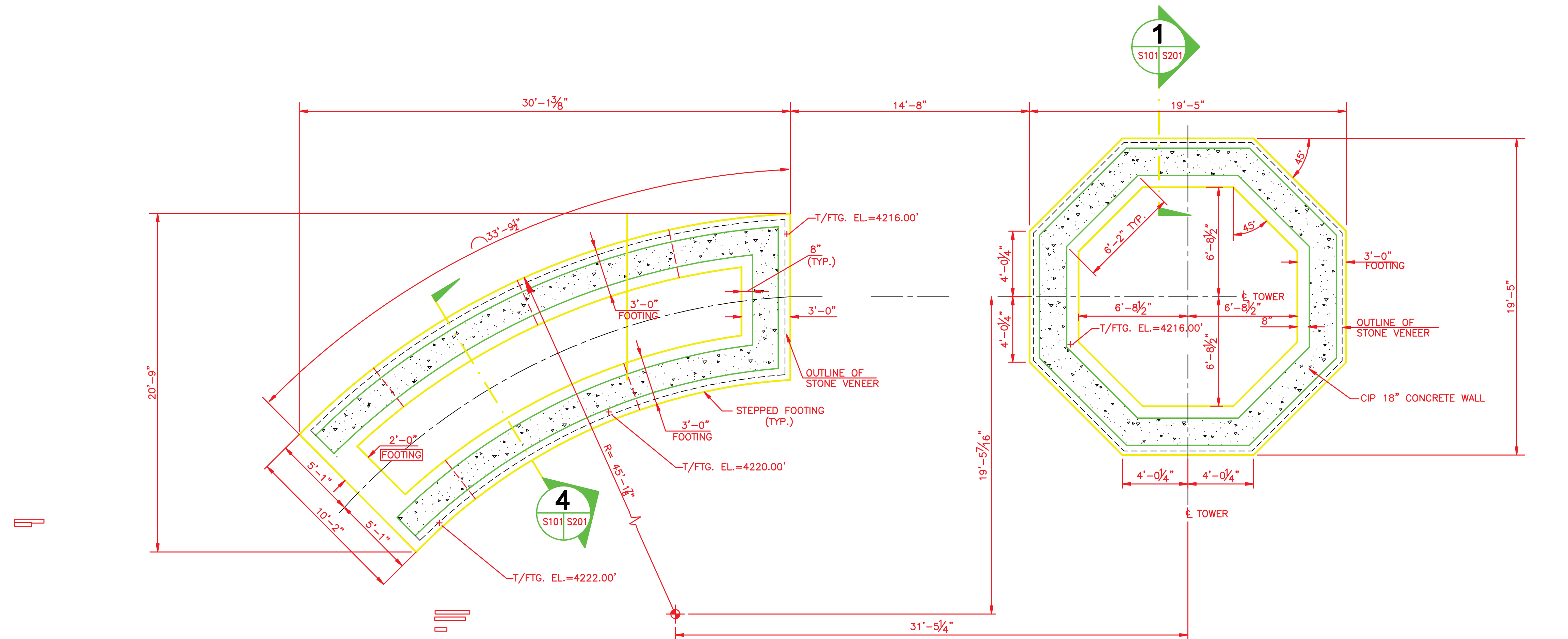


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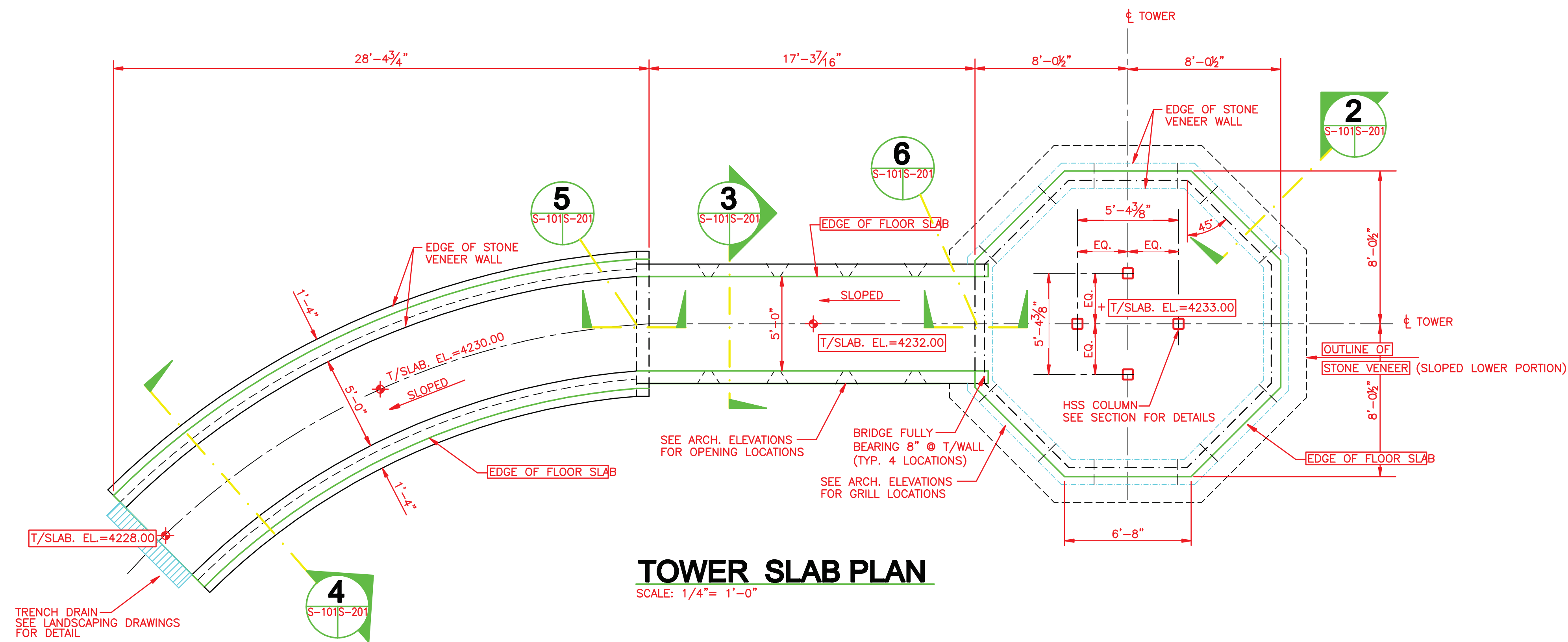
## HIGH KNOB OBSERVATION TOWER AND SITE DESIGN

NORTON VIRGINIA



### TOWER FOUNDATION PLAN

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



### TOWER SLAB PLAN

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

Seal

Title:

### FOUNDATION AND SLAB PLANS

Date: January 28, 2011

Revisions:


Drawn By: JFM

Review By: JTH

Project No. 1016

Sheet No.

# S-101



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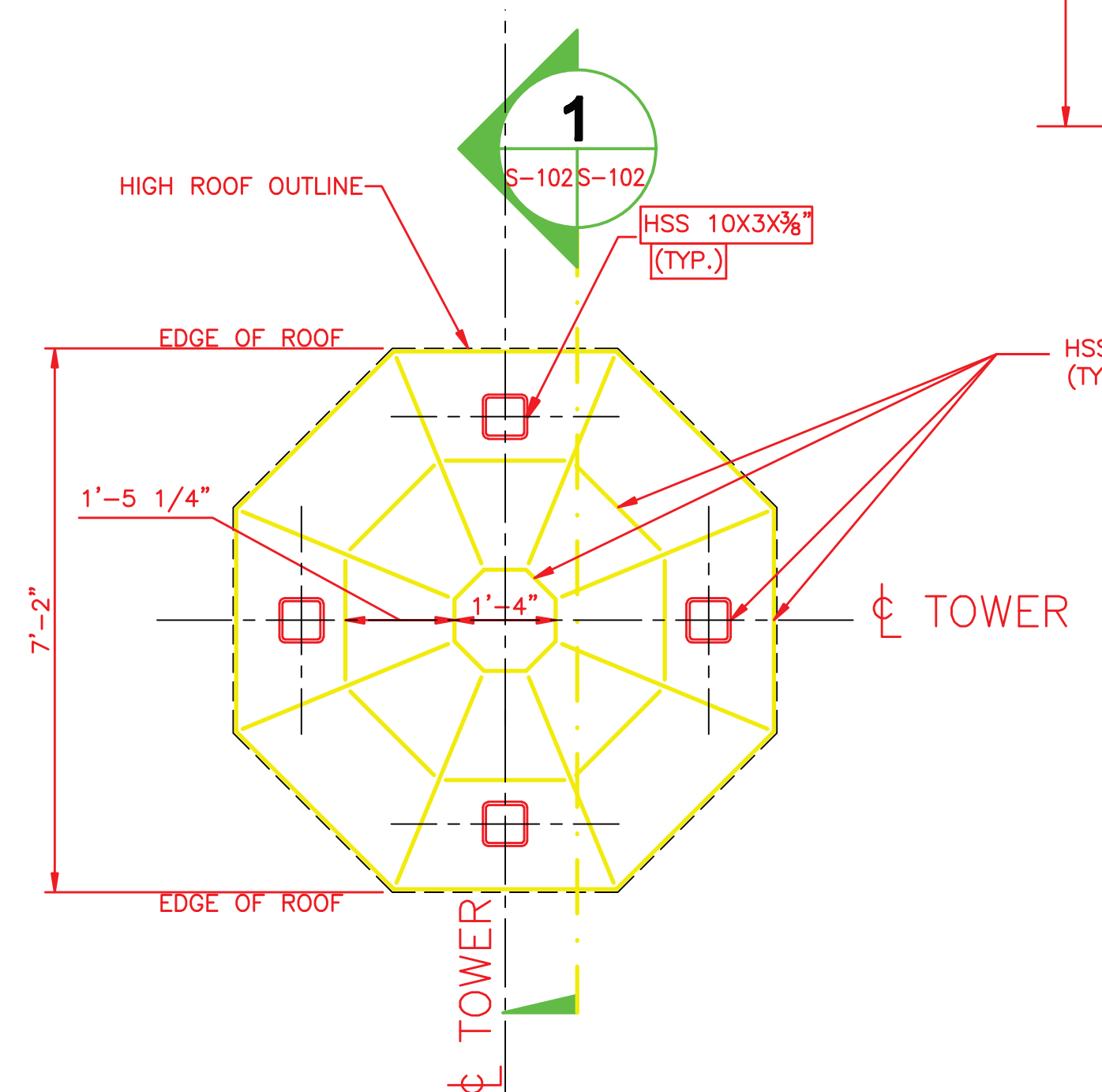
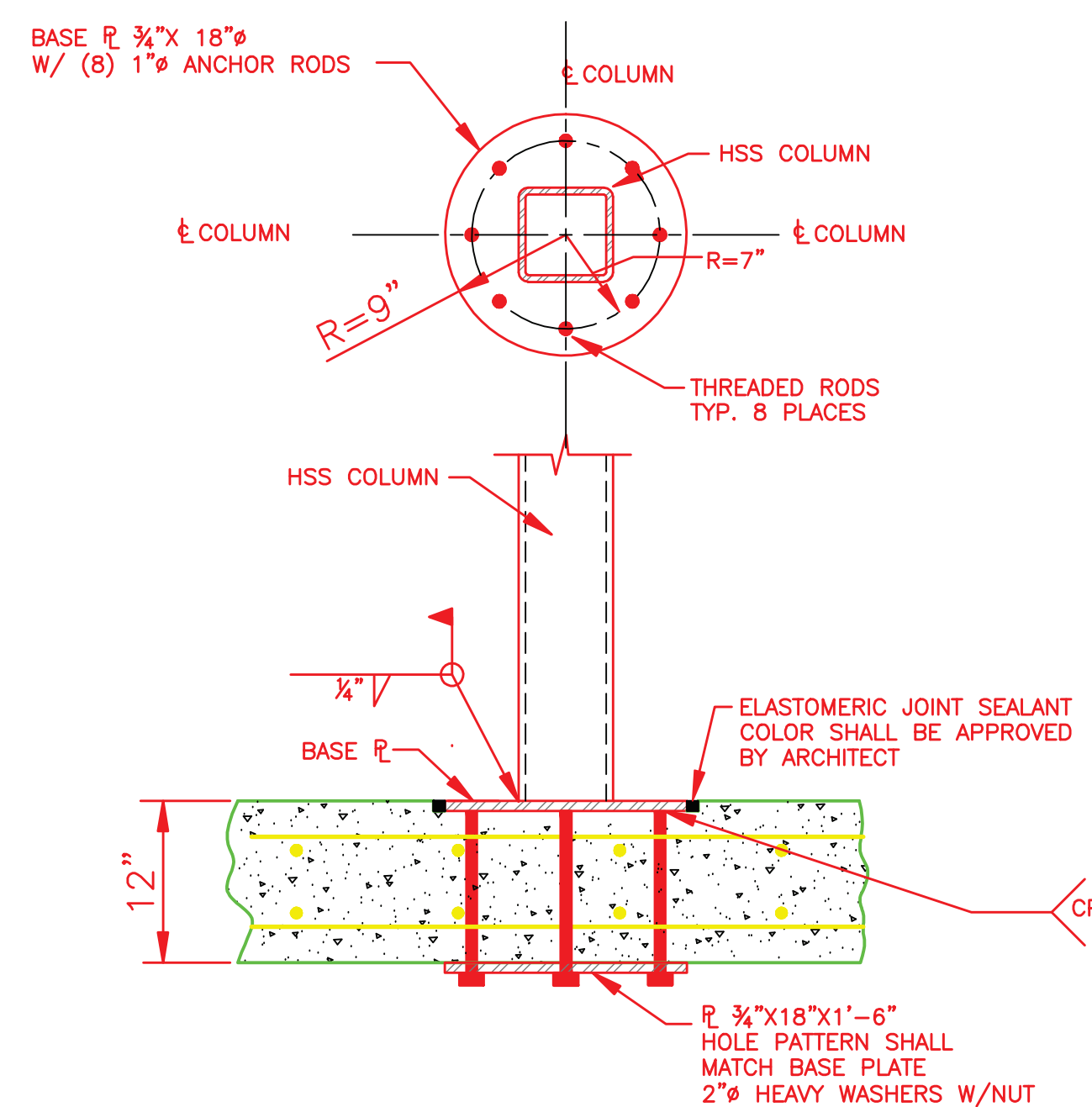
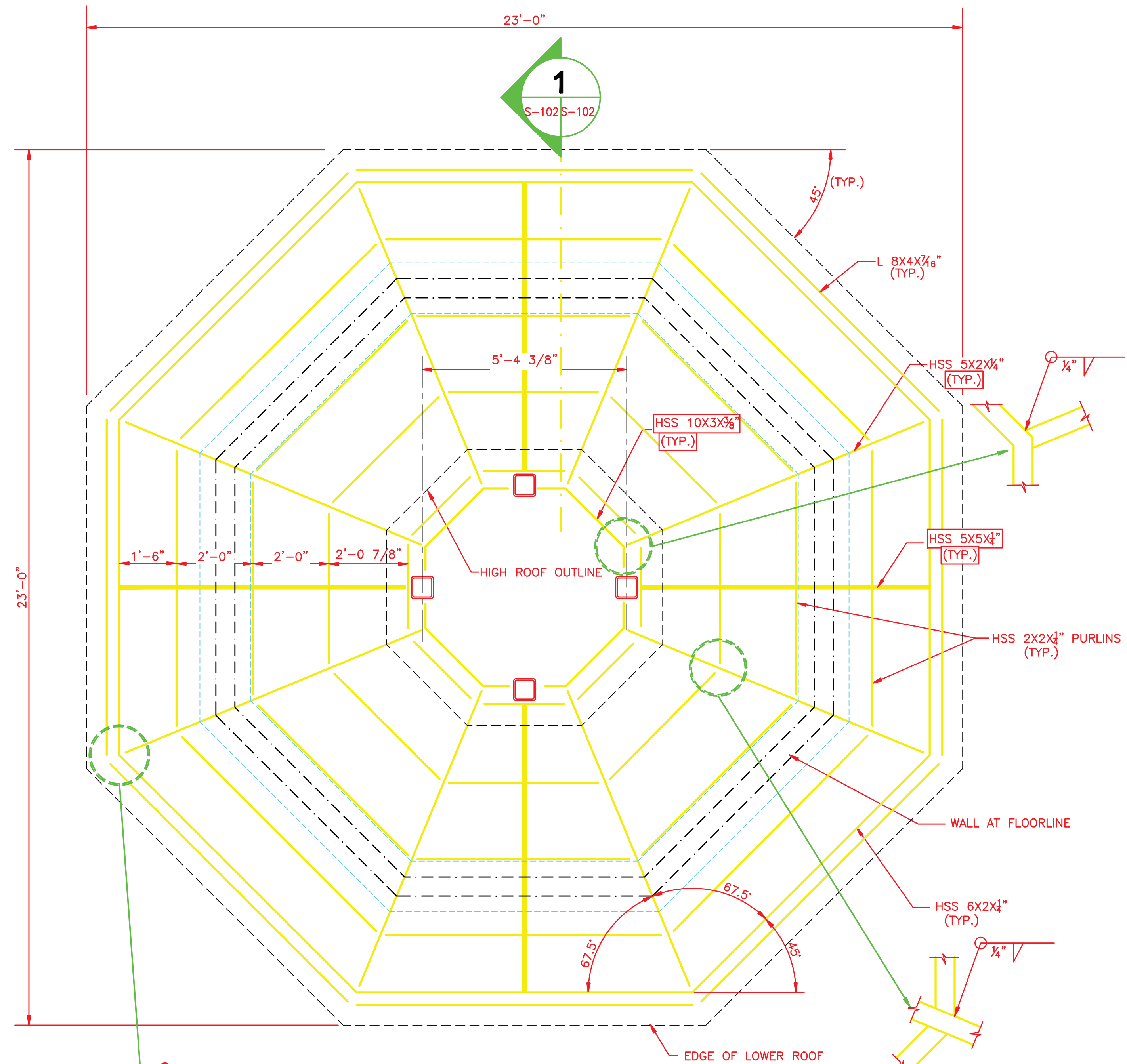
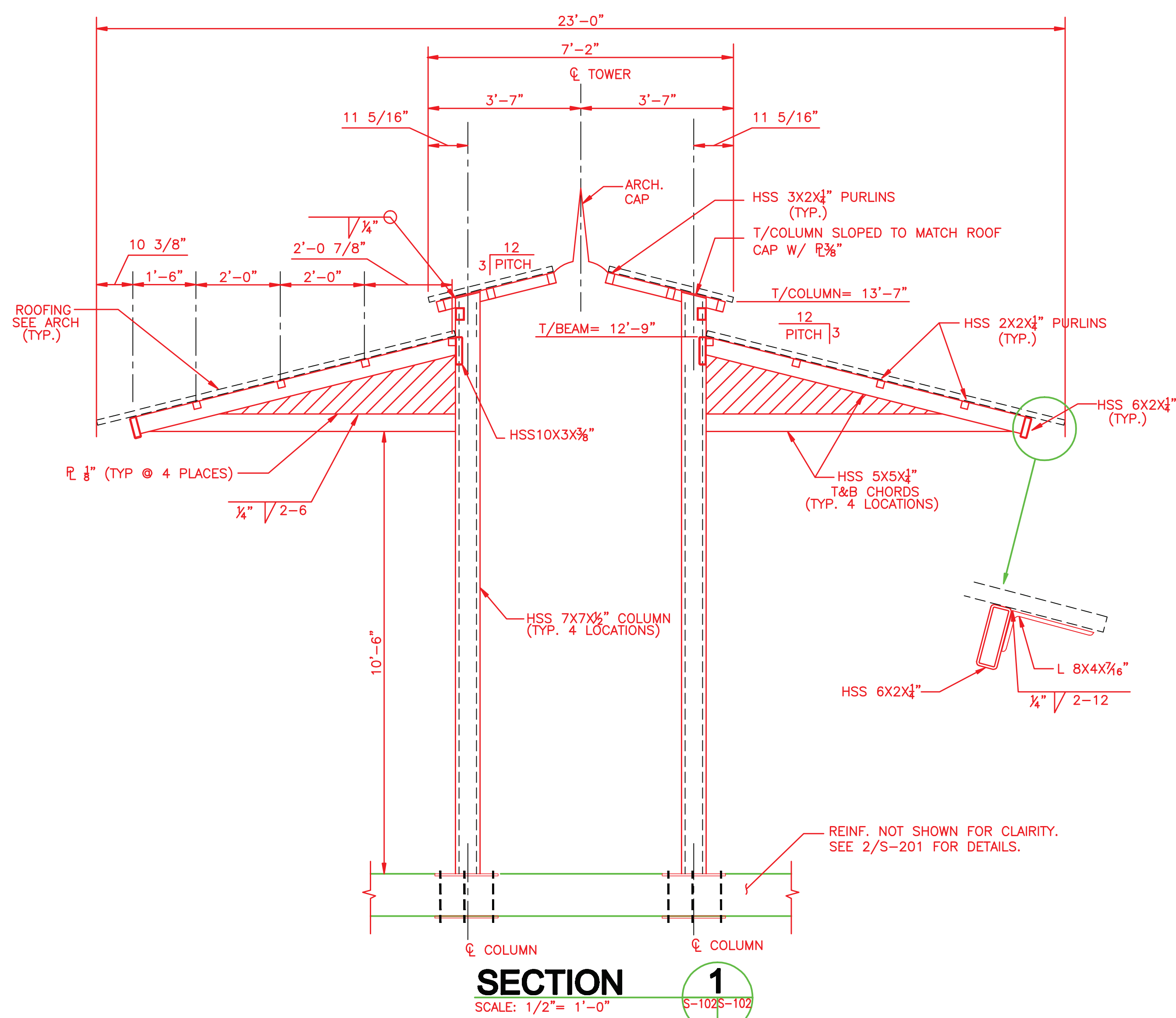
THOMPSON & LITTON

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**HIGH KNOB  
OBSERVATION  
TOWER  
AND  
SITE DESIGN**

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VIRGINIA

Seal



Title:  
**ROOF PLAN AND  
SECTIONS**

Date: January 28, 2011

Revisions:


Drawn By: JFM

Review By: JTH

Project No. 1018

Sheet No.

**S-102**



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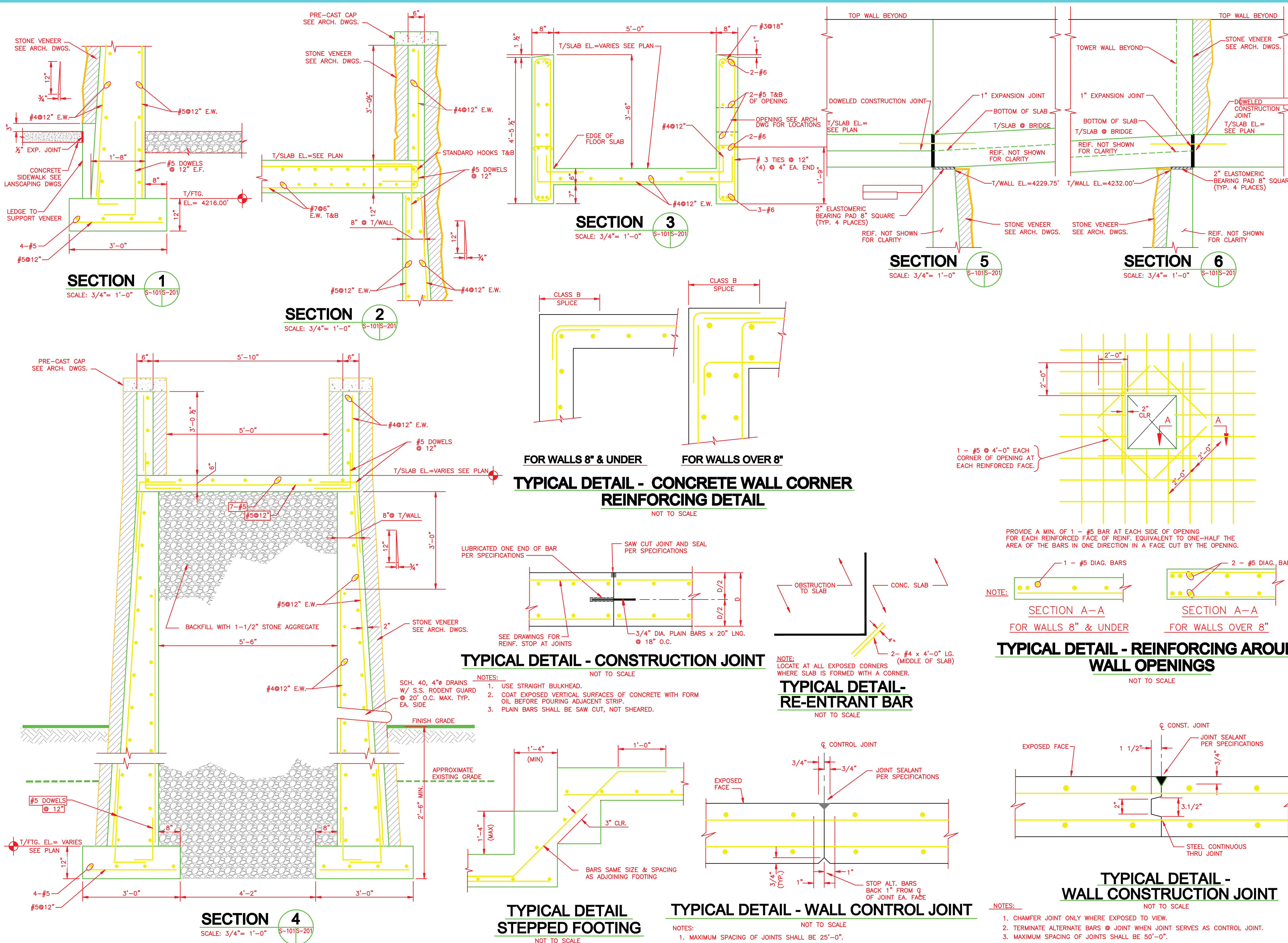
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## HIGH KNOB OBSERVATION TOWER AND SITE DESIGN

NORTON VIRGINIA

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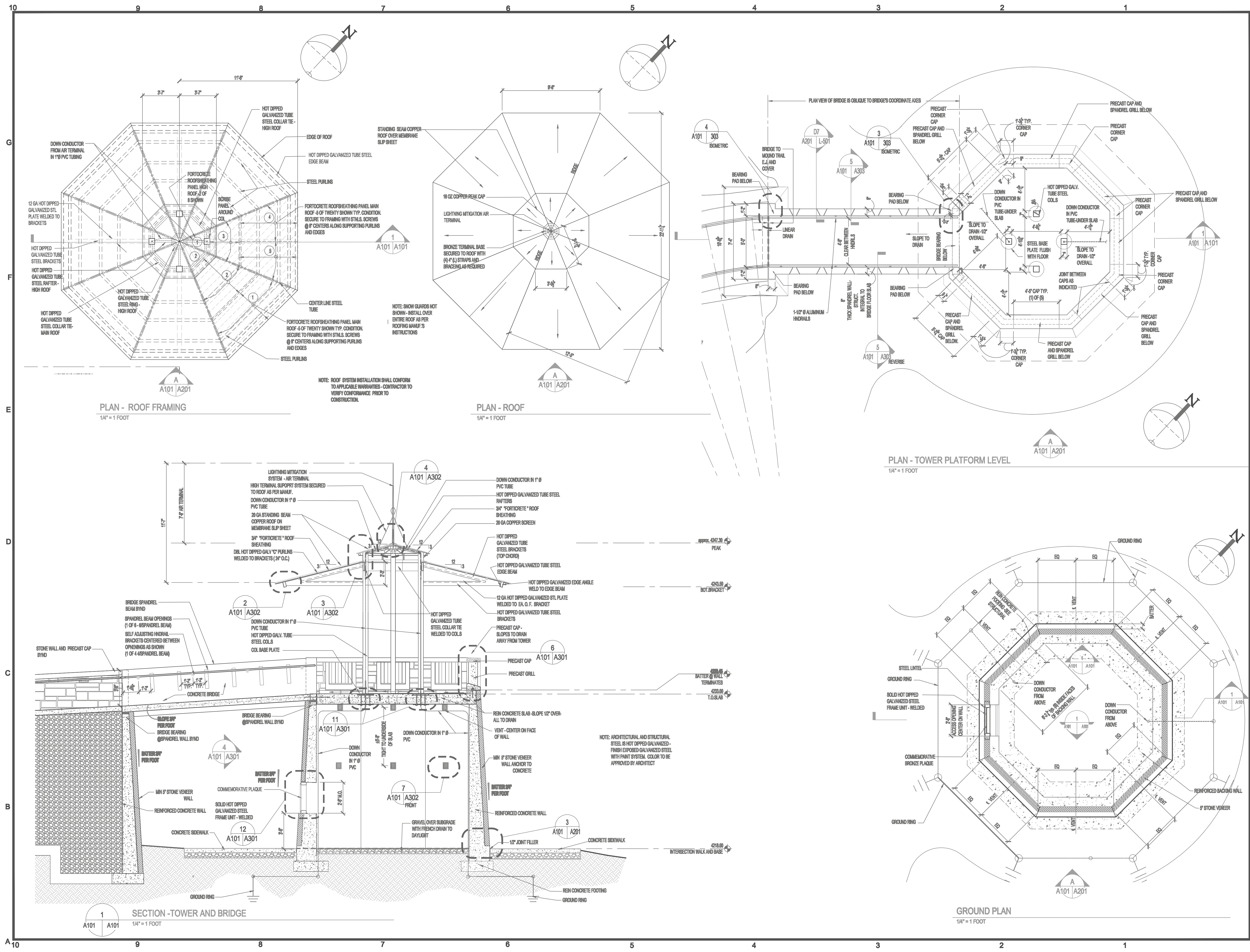
### SECTIONS AND TYPICAL DETAILS

Date: January 28, 2011

Revisions:


Drawn By: JFM  
Review By: JTH  
Project No. 1016

Sheet No.  
**S-201**



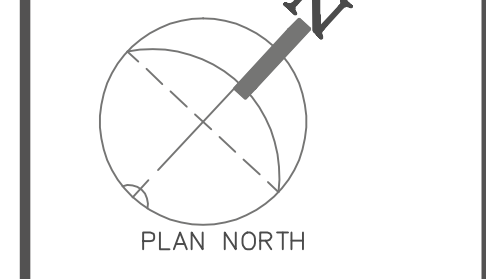
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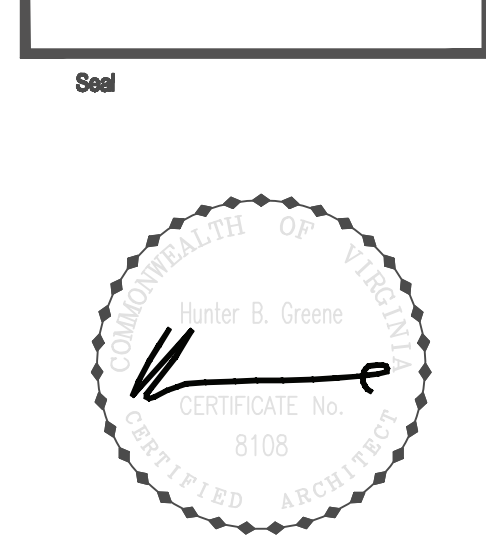
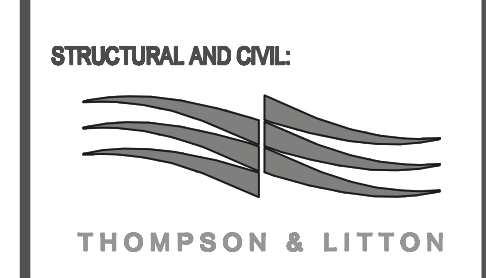
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AND  
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CONSULTING ENGINEERS



Title:  
**PLANS,  
ELEVATIONS  
AND SECTIONS**

Date: MARCH 08, 2011

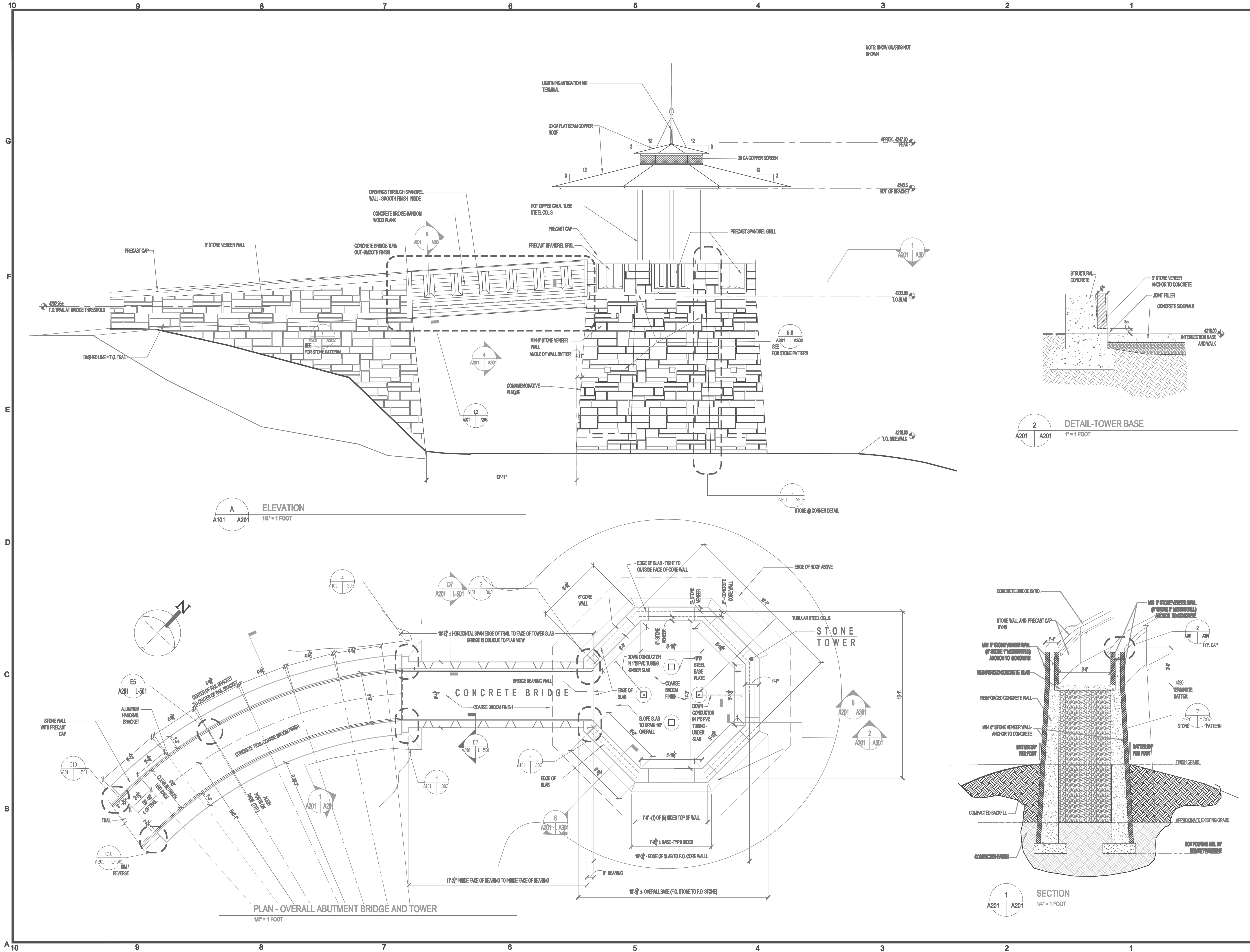
Revisions:  
Month xx, 2010

Drawn By:  
Review By:

Project No. 1016

Sheet No.

**A101**

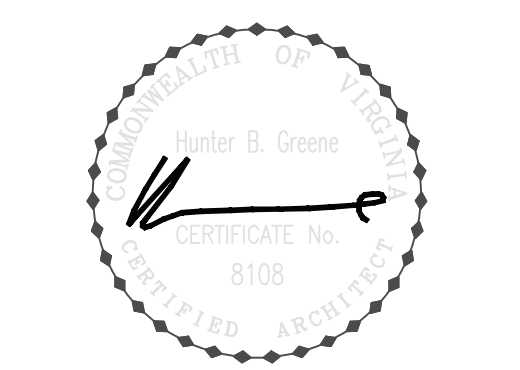


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CONSULTING ENGINEERS

STRUCTURAL AND CIVIL:  
  
 THOMPSON & LITTON

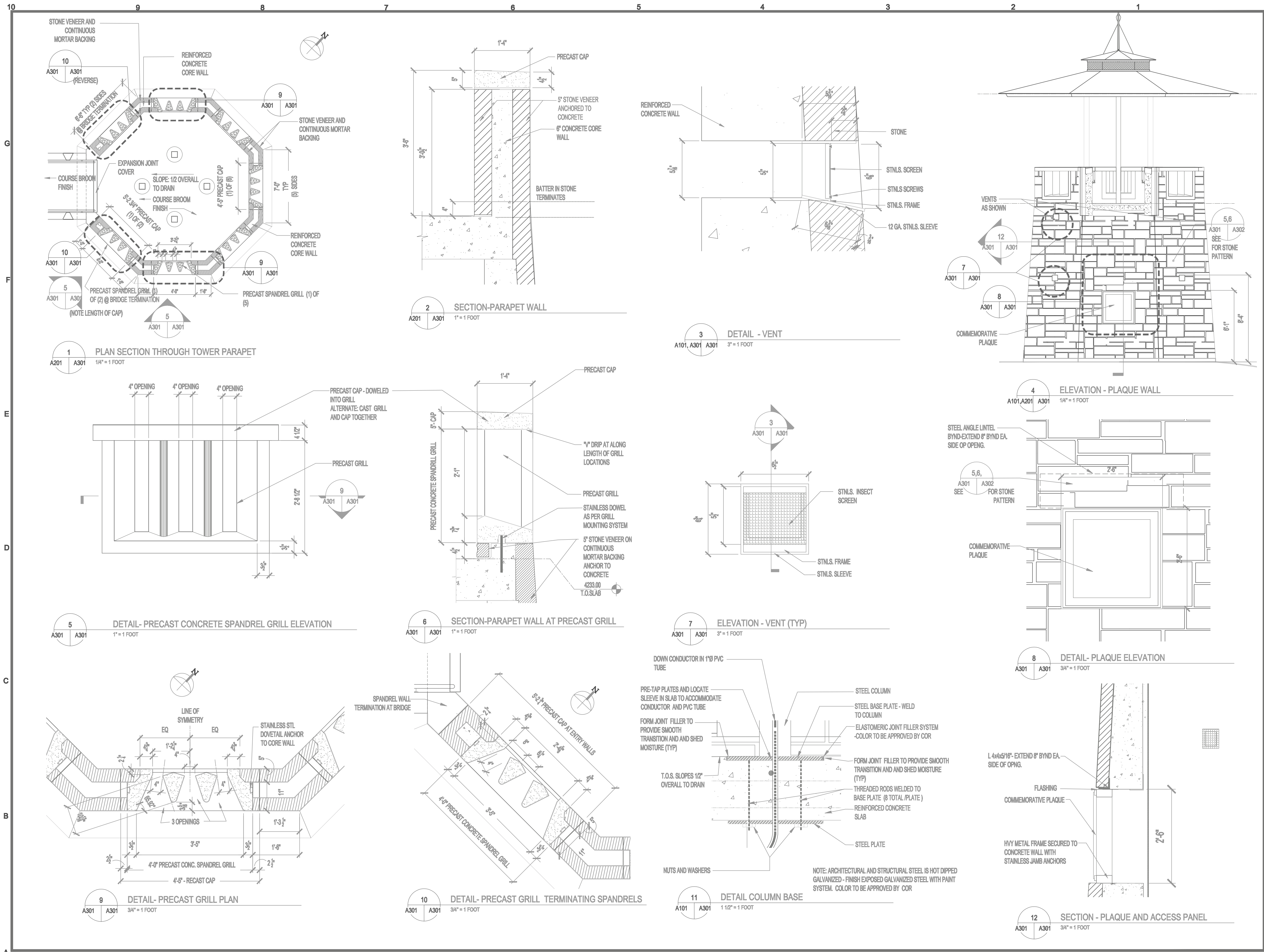


Title: **ELEVATION, PLAN**

Date: MARCH 08, 2011  
 Revisions:  
 X Month xx, 2010

Drawn By:  
 Review By:  
 Project No. 1016  
 Sheet No.

**A201**

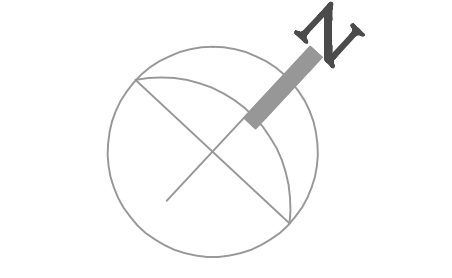


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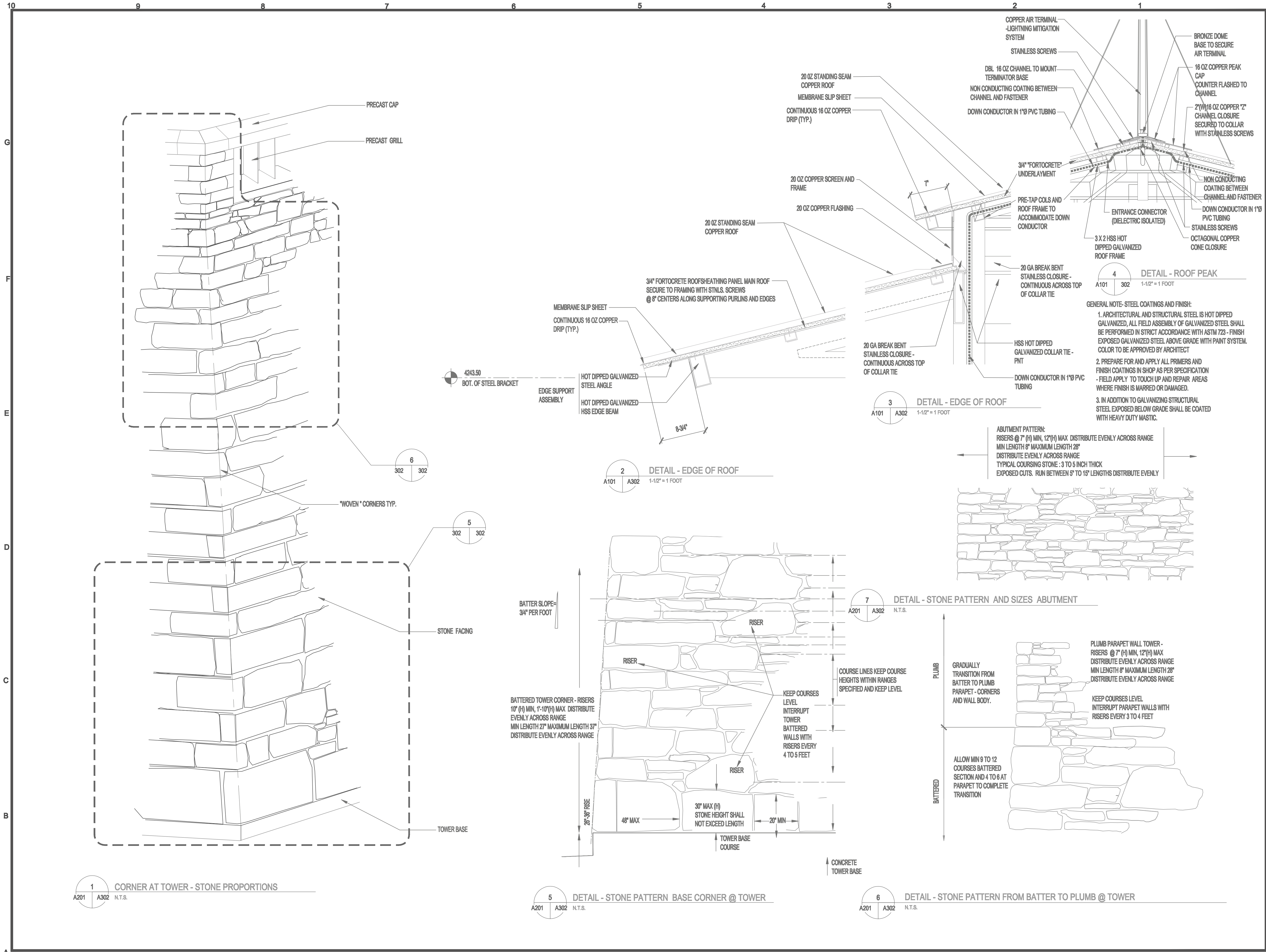
Seal



### Title: SECTIONS AND DETAILS

Date:	MARCH 08, 2011
Revisions:	
	Month xx, 2010
Drawn By:	
Review By:	
Project No.:	1016
Sheet No.:	

# A301



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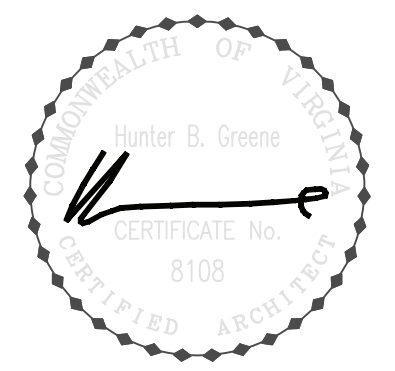
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Seal



**SECTIONS AND DETAILS**

Date: MARCH 06, 2011

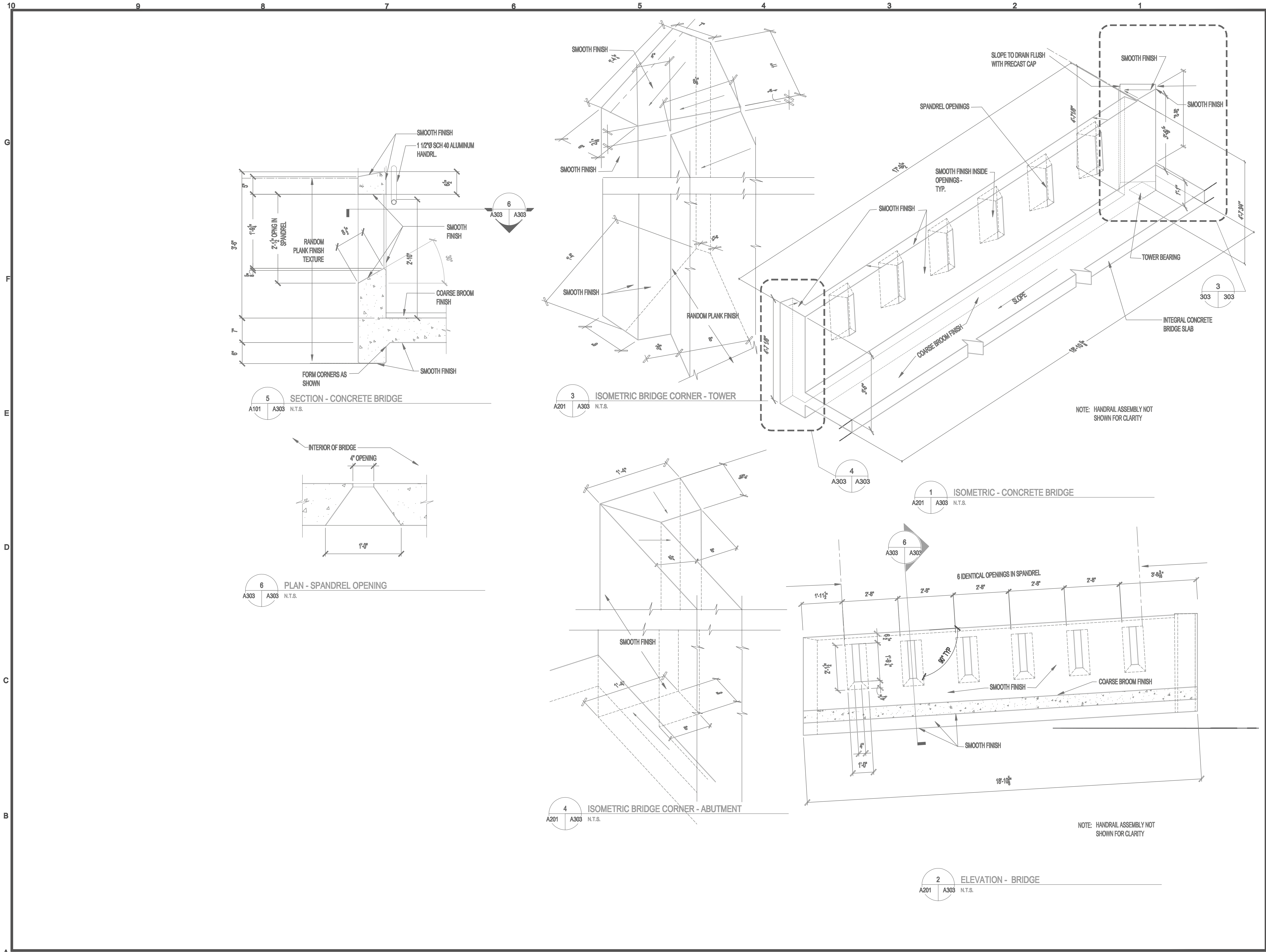
Revisions:

Month	xx, 2010

Drawn By:  
 Review By:  
 Project No. 1016

Sheet No. **A302**





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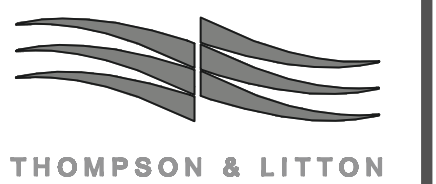
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Title:  
**SECTIONS AND  
DETAILS**

Date: MARCH 06, 2011

Revisions:

Month xx, 2010

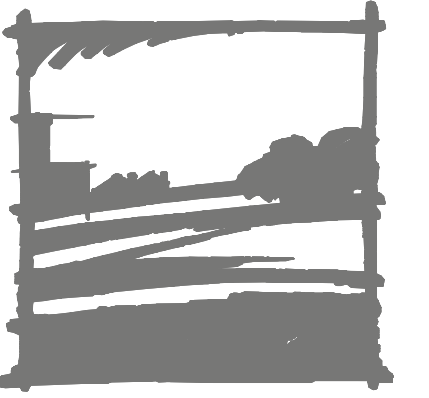
Drawn By:

Review By:

Project No. 1016

Sheet No.

**A303**



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STRUCTURAL AND CIVIL:



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### Title: SUN DIAL PLANS, ELEVATIONS, SECTIONS AND FINISHES

Date: MARCH 08, 2011

Revisions:

Month xx, 2010

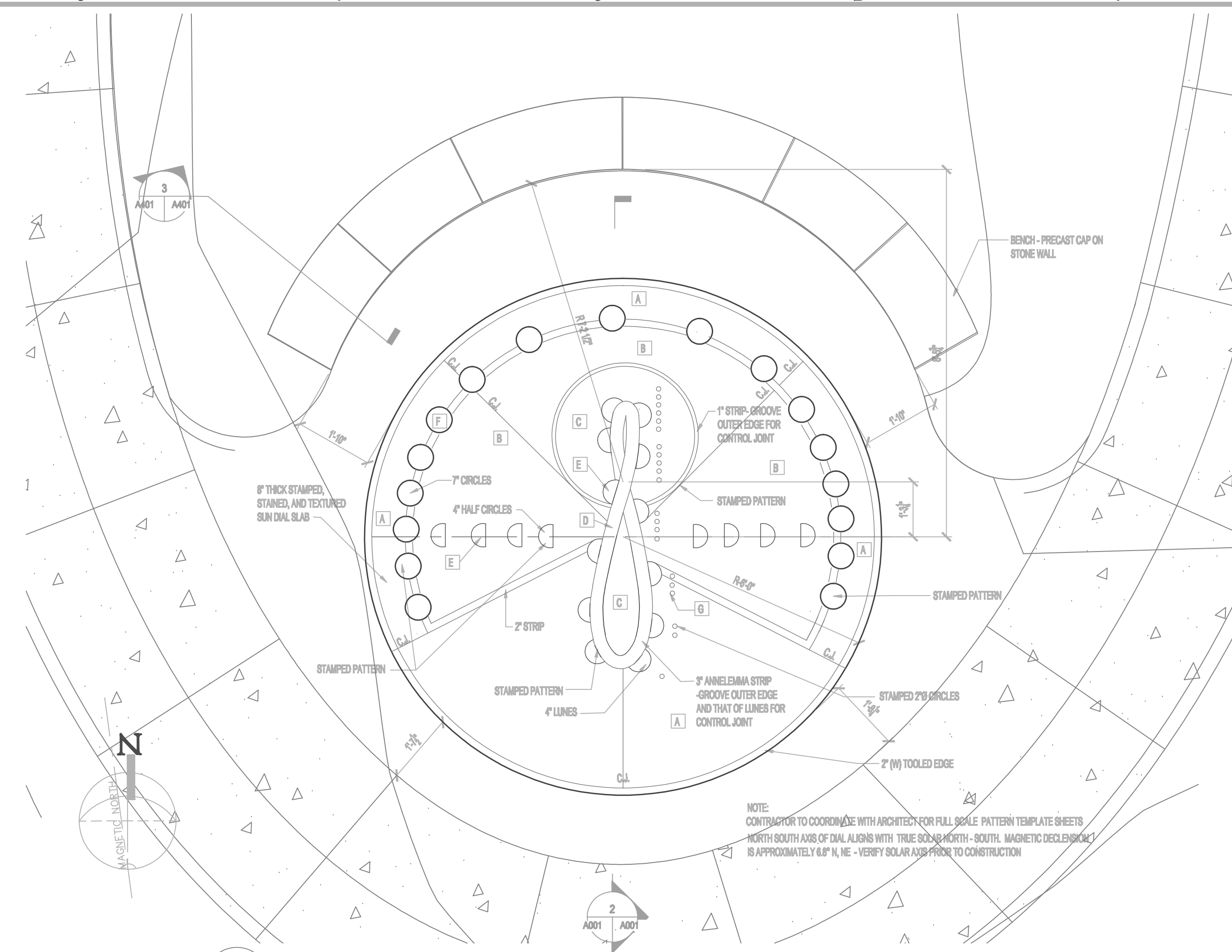
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Review By:

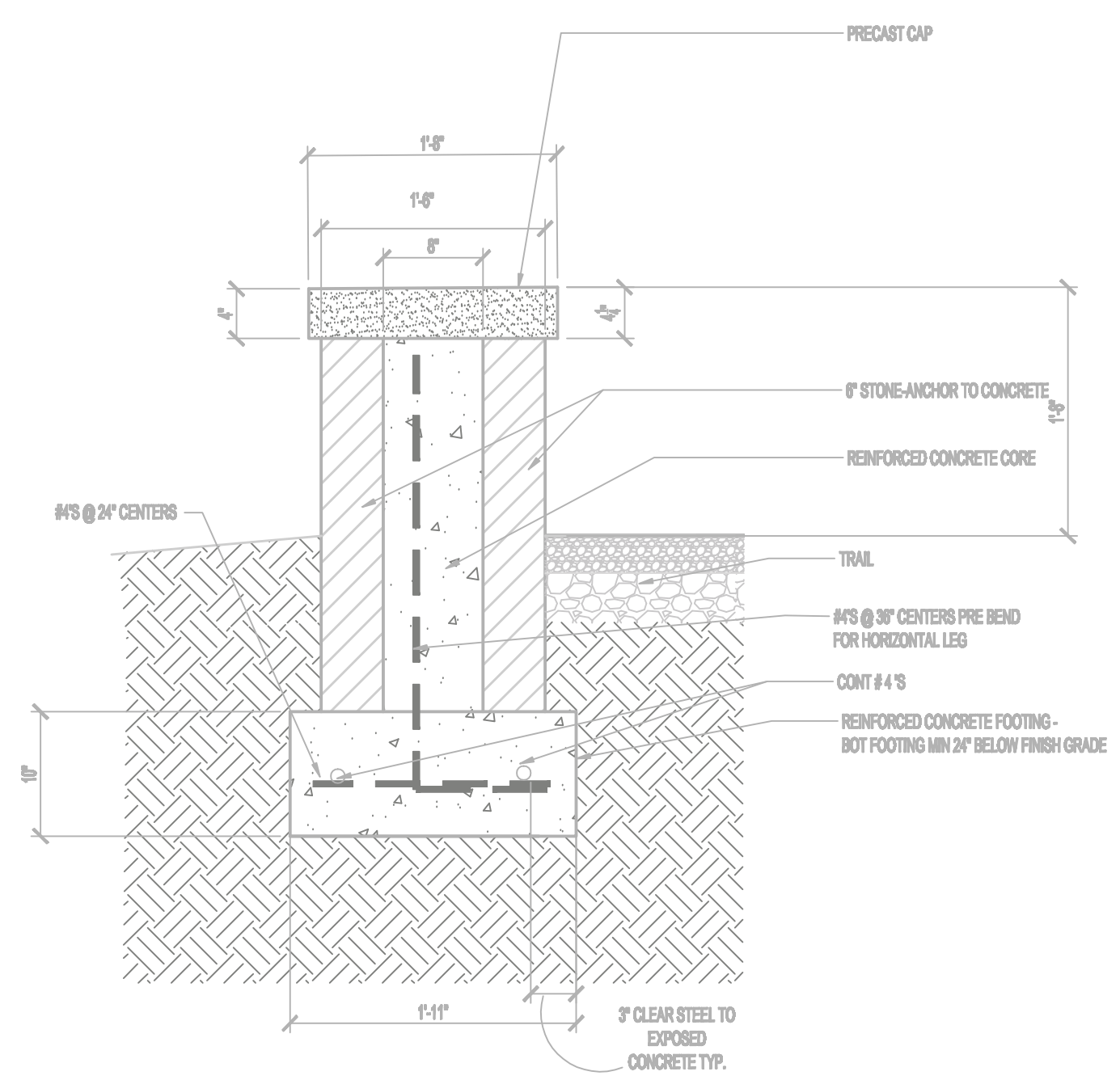
Project No. 1016

Sheet No.

# A401

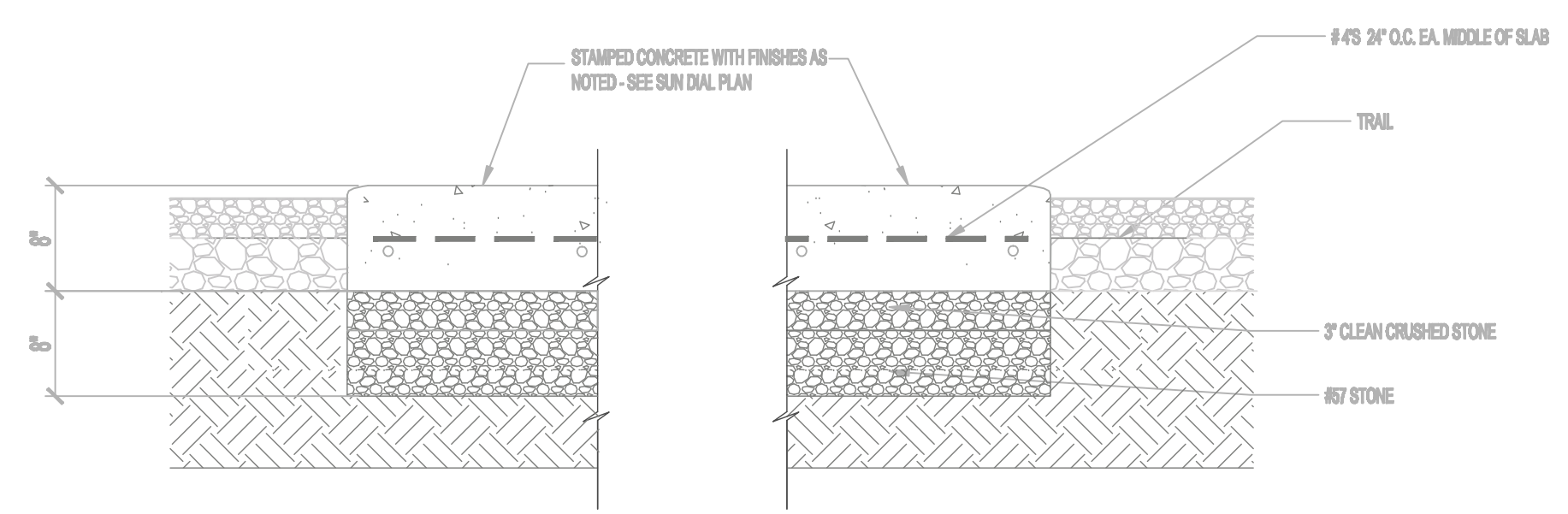


1 PLAN - SUN DIAL  
1/2" = 1 FOOT



3 SECTION - STONE BENCH  
1" = 1 FOOT

CONCRETE FINISH LEGEND			
MARK	TEXTURE / SKIN <small>REFER TO "FINISHING CONCRETE TOOLS" CATALOGUE</small>	COLOR <small>REFER TO "SURE-KRETES" "ECO-STAIN" COLOR CHART</small>	NOTES
A	"CRACKED MUD"	KAYAK	USE TEXTURED SEALER FOR EFFECT AND ACCESSIBLE SURFACE
B	SMOOTH	BERMUDA BLUE	
C	SMOOTH	HARVEST YELLOW	
D	SMOOTH	THAI GREEN	
E	SMOOTH	SPANISH RED	
F	SMOOTH	ORANGE BLOSSOM	
G	SMOOTH	AZTEC GOLD	



2 SECTION-SUNDIAL  
1" = 1 FOOT

