Preliminary Consultation MONTGOMERY COUNTY HISTORIC PRESERVATION COMMISSION STAFF REPORT

Address: 11650 Snowden Pkwy., Germantown Meeting Date: 1/24/2024

Formerly 22022 Ridge Rd.

Resource: Master Plan Site #13/19 **Report Date:** 1/17/2024

Howes Farm

Applicant: NECC **Public Notice:** 1/10/2024

Review: Preliminary Consultation **Staff:** Dan Bruechert

Proposal: New Podiums and Accessory Structure Construction

STAFF RECOMMENDATION

Staff recommends the applicant make any changes recommended by the HPC and return for a HAWP.

ARCHITECTURAL DESCRIPTION

SIGNIFICANCE: Master Plan Site#13/19 (*Howes Farm*)

STYLE: Vernacular

DATE: c.1884 and 1920-30s



Figure 1: Designated Master Plan Site - Howes Farm.

From Places from the Past:

"The Howes House retains its late 19th-early 20th century appearance and setting, and the farm includes many of its original outbuildings. Between 1884-1892, Eliza and James Robert Howes built the ell-shaped, frame house. The traditional main block is one-room deep with a center cross gable and center-hall plan. Dominating the hallway is a striking curved wooden staircase, which Howes ordered from Philadelphia. Rough timbers for the house were sawn from trees on the farm. One of nine children of Eliza and James, Joseph G. Howes acquired the farm in 1917 and made several improvements over the next decade. In the early 1920s, Joseph enlarged the house with a wraparound porch. He installed indoor plumbing in 1919 and electricity in 1928 and covered the house in pebble-dash stucco. The farmstead has several notable outbuildings: a double corncrib with attached machine shed, concrete block milk house, pump house, combined smokehouse/workers house, 2 silos and feed room, and water tank house. A bank barn (late 1800s) and dairy barn (1930s) were destroyed by fire. The property remained in the Howes family until the early 1970s."

Master Plan for Historic Preservation Amendment – 13/19 Howes Farm – July 1994

The Howes Farm meets the following criteria for Master Plan Designation: 1A, as an excellent example of a late 19th-early 20th-century family farm in the Clarksburg area; 1D, exemplifying the cultural, economic, and social heritage of agriculture and dairy farming in Montgomery County; 2A, embodying the distinct characteristics of a high-style Gothic Revival farmhouse with metal roof, narrow 2-over-2 shuttered windows, second-story bay window, and 20th-century rear wing, stuccoed siding, and wrap-around porch; and 2E, as an established and familiar feature in the community once dominated by family farms.

The Howes Farm was built in 1884 by James Robert Howes, who purchased the land from Sara D. Sellman. In the 1920s, the house was enlarged and stuccoed by their son, Joseph G. Howes, adding the wrap-around porch, modern utilities, and changing the drive from Brink Road to Ridge Road. The house retains its late 19th century integrity and many fine details, including the curved mahogany staircase ordered from Philadelphia.

The Howes Farm was formerly referred to in the Locational Atlas as the Elizabeth Waters Farm. However, research has not shown any connection of this property to the Waters family who lived nearby. The Howes family, long-time Clarksburg residents, were active members of the County Dairy Association, farming the 124-acre farm for over 90 years over three generations.

Several outbuildings remain from the period, including a hen house, a double corn crib and machine storage shed, a rusticated concrete block dairy building, pump house, meat house/handyman shelter, silo, and feed room. A dairy barn (1930) and bank barn (1880s) burned in the late 1970s. The environmental setting is the entire 16.75 -acre parcel, including the outbuildings and long drive from Ridge Road. [add the sentence here about the specific structures that were approved for demolition]

BACKGROUND

On July 28, 2021, the HPC held a Preliminary Consultation that evaluated the proposed overall redevelopment concept plan for the historic site including demolishing and modifying existing buildings, location and scale of new construction, and the placement of other site features. ¹

In 2022, the HPC approved two HAWPs to demolish structures on the property.²

¹ The Staff Report for the July 28, 2021 Preliminary Consultation is available here: https://montgomeryplanning.org/wp-content/uploads/2021/07/II.A-22022-Ridge-Road-Germantown.pdf. The audio of the hearing is available here: https://mncppc.granicus.com/MediaPlayer.php?publish_id=d792670e-f08f-11eb-81b1-0050569183fa

² On February 2, 2022, the HPC approved a HAWP to demolish a silo. The Staff Report for the silo demolition is

II.A

PROPOSAL

The applicant proposes to construct two concrete podiums for statues on the site. Additional site work will be required as part of this proposal.

APPLICABLE GUIDELINES

Proposed alterations to individual Master Plan Sites are reviewed under Montgomery County Code Chapter 24A (Chapter 24A) and the *Secretary of the Interior's Standards for Rehabilitation*. Rehabilitation is defined as the act or process of making possible a compatible use for a property through repair, alterations, and additions while preserving those portions or features, which convey its historical, cultural, or architectural values.

Montgomery County Code; Chapter 24A-8

- (a) The commission shall instruct the director to deny a permit if it finds, based on the evidence and information presented to or before the commission that the alteration for which the permit is sought would be inappropriate, inconsistent with or detrimental to the preservation, enhancement or ultimate protection of the historic site or historic resource within an historic district, and to the purposes of this chapter.
- (b) The commission shall instruct the director to issue a permit, or issue a permit subject to such conditions as are found to be necessary to ensure conformity with the purposes and requirements of this chapter, if it finds that:
 - (1) The proposal will not substantially alter the exterior features of an historic site or historic resource within an historic district; or
 - (2) The proposal is compatible in character and nature with the historical, archeological, architectural or cultural features of the historic site or the historic district in which an historic resource is located and would not be detrimental thereto or to the achievement of the purposes of this chapter; or
 - (3) The proposal would enhance or aid in the protection, preservation and public or private utilization of the historic site or historic resource located within an historic district in a manner compatible with the historical, archeological, architectural or cultural value of the historic site or historic district in which an historic resource is located; or
 - (4) The proposal is necessary in order that unsafe conditions or health hazards be remedied; or
 - (5) The proposal is necessary in order that the owner of the subject property not be deprived of reasonable use of the property or suffer undue hardship; or
 - (6) In balancing the interests of the public in preserving the historic site or historic resource located within an historic district, with the interests of the public from the use and benefit of the alternative proposal, the general public welfare is better served by granting the permit.

Secretary of the Interior's Standards for Rehabilitation:

2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.

available here: https://montgomeryplanning.org/wp-content/uploads/2022/01/I.F-11650-Snowden-Farm-Parkway-Germantown-Park

- 5. Distinctive materials, features, finishes and construction techniques or examples of craftsmanship that characterize a property will be preserved.
- 6. Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture, and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.
- 9. New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.
- 10. New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

STAFF DISCUSSION

Between 1884 and 1892 Eliza and James Robert Howes built the L-shaped house. Eliza and James' son, Joseph G. Howes, modified the house in the 1910s including constructing the wrap-around porch and adding the stucco finish to the exterior. The house retains its appearance from this period of modification.

On June 28, 2021, the HPC held a Preliminary Consultation to discuss the concept of the proposed site redevelopment and demolition of several outbuildings. The HPC was uniform in finding the site could accommodate the objectives of the redevelopment including the construction of a sanctuary/multipurpose building and additional formal gardens and statues. While much of the discussion was conceptual, the HPC identified the viewshed of the historic house and outbuildings from Snowden Farm Parkway as significant; and that that view should be protected as the site redevelopment moved forward.

The applicant proposes to construct two concrete podiums for statues on site and seeks the HPC's feedback on the size, placement, and materials. Additional hardscaping will be required as part of the proposed construction, and Staff requests the HPC feedback on the placement, size, and materials of the new hardscaping. Additional reviews, including a Natural Resource Inventory/Forest Stand Delineation (NRI/FSD) may be required by other departments and agencies depending on the exact nature of the work to be undertaken. Staff requests the applicant provide details regarding the outcome of other required development reviews with future HAPW applications or subsequent Preliminary Consultations.

Statuary Podiums

Behind the farmhouse, towards the rear of the property, the applicant proposes to construct two concrete podiums that will elevate large statues. One of the proposed podiums measures 50' × 50' (fifty feet square); the other podium measures 43' 4 ½" ×43' 4 ½" (forty-three feet, four and one-half inches square). The podiums are approximately 8' (eight feet) tall and will have large statues constructed above. While the statues are still in their conceptual stages, the overall height from grade will be between 16' – 20' (sixteen to twenty feet). The podiums are to be constructed out of concrete with selected areas of face brick. Each podium will have a ramp in one corner with a simply detailed metal railing.

Podium 'A' appears to be about 50' (fifty feet) from a historic silo. Podium 'B' will be located 68' (sixty-eight feet) from the existing dairy barn and approximately 100' (one hundred feet) from the historic house.

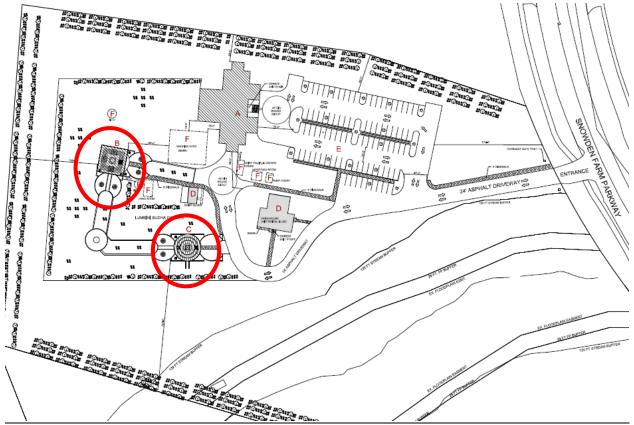


Figure 2: June 2021 concept site plan with statues labeled as 'B' and 'C.'

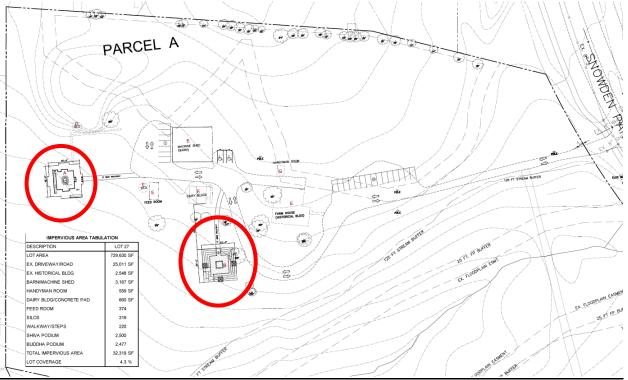


Figure 3: Current proposal showing the proposed podiums as 'A' and 'B.'

Staff finds the proposed podiums are generally consistent with the HPC's support from the June 2021 Preliminary Consultation (see *Figs. 2* and *3*, above). Staff finds the proposed placement of podium 'B' is slightly further to the south than originally proposed and, because it is not directly behind the historic house, it will be more visible from the right-of-way. Staff finds the placement of the proposed podiums to be far enough from the historic structures that it will not negatively impact their character.

Staff additionally finds the materials (concrete and brick) are compatible for landscape features at the subject property. Staff requests feedback from the HPC on the:

- Proposed podium/statue locations;
- The proposed materials; and,
- Any other recommended revisions.

Hardscaping

The proposed site plan (Fig. 3) also shows new hardscaping on the site including additional parking, relocating a portion of the driveway, and walkways to the proposed podiums. The application packet identifies 6' (six foot) wide walkways but does not include a material specification.

Staff finds the 6' (six foot) width of the proposed walkway is potentially out of character with the site; however, Staff additionally recognizes the desire to make the site accessible, which means a solid, impervious material is likely preferred. Staff recommends either asphalt or a tinted concrete, but requests input from the HPC for a preferred material.

Finally, the site plan shows an expanded driveway with additional parking. These elements are rendered with a dashed line, however, Staff requests feedback from the HPC on the appropriateness of the expanded parking – particularly regarding the parking in front of the historic house. While the existing driveway on site is gravel, no material was identified for the new driveway on site. Staff request feedback from the HPC on both the location of the expanded drive and parking and recommended material.

Campus Planning and Preservation Priorities

Through this project, Staff is reminded of the Spencer-Carr House,³ another Master Plan Site that has allowed significant development within the environmental setting while retaining its significant historic features. This historic house and barn were retained (though the barn was converted into a school building) and a church, associated parking, and a large solar farm have been constructed on the property. In allowing the partial demolition of a rear addition to the Spencer-Carr house, the HPC added a condition that requires the property owners to submit a yearly monitoring report. This requirement provided the HPC with an assurance that even though putting the historic house to use in the immediate future was not part of the church's master plan, any potential threats to the long-term preservation of the Spencer-Carr house could be identified and rectified.

Several commissioners expressed their concern that the historic buildings may be viewed as an impediment to redevelopment, instead of a significant part of the county's history. As the redevelopment at the Howes Farm continues, Staff recommends the HPC begin a discussion of the methods that will ensure the preservation of the historic house and agricultural buildings as the current owners continue to develop the site. Ensuring the protection of the Master Plan site is what Chapter 24A demands while also balancing the needs of the current owner. Part of the balancing test is ensuring that alterations are

³ The Maryland Inventory of Historic Places documents for the Spencer-Carr House are available here: www.mcatlas.org/hp2/hpdocs/M_%2015-055.pdf and the HAWP allowing a partial demolition of a historic rear addition is available here: http://staging.montgomeryplanning.org/wp-content/uploads/2018/11/I.K-2420-Spencerville-Rd.-Demo-Staff-Report.pdf.

accomplished while the historic property itself is stewarded appropriately by the current owners for the future. The HPC could appropriately request of the applicant a master planning or facility planning document that discusses the long term preservation of the site vis-à-vis the new development with appropriate preservation milestones keyed to significant development of the site.

STAFF RECOMMENDATION

Staff recommends the applicant make any changes recommended by the HPC and return for a HAWP.



APPLICATION FOR

FOR STAFF ONLY:
HAWP#_____
DATE ASSIGNED_____

HISTORIC AREA WORK PERMIT

HISTORIC PRESERVATION COMMISSION 301.563.3400

APPLICANT:

Nam	e: Nepal Education a	and Cultural Center	_(NECC) _	E-mail: necc.	ngteam@gmail.com	
Addre	ess: _11650 Snowden I	Farm Pkwy	City: _Germa	antown	Zip: 20876	
Dayti	me Phone: _240-751-6	359	Tax A	Account No.: 16	60202898373 & 16020297	5153
AGEI	NT/CONTACT (if applic	cable):				
Nam	ə:		E-ma	nil:		
Addre	ess:		_ City:		Zip:	
Dayti	me Phone:		_ Cont	ractor Registra	tion No.:	
	ATION OF BUILDING/ 6New Address: 11650				Ridge Rd, Germantown, MD	
Is the	Property Located with	in an Historic Distri			Northern County	
	re an Historic Preserva of the easement, and d	, ,	nvironmental E	asement on th	e Property? If YES, include a	
(Cond	ther Planning and/or H litional Use, Variance, I emental information.	_		-	as part of this Application? these reviews as	
Build	ing Number:	Stree	et:			
Town	/City:	Near	est Cross Stree	et:		
Lot: _	Block:	Subd	ivision:	_ Parcel:		
for p	E OF WORK PROPOSI proposed work are su ccepted for review. Construction Addition Demolition	Ibmitted with this heck all that apply: Deck/Poi Fence	application.	Incomplete A Shed Solar Tree	pplications will not /Garage/Accessory Structur	е
	Grading/Excavation	Roof		Othe		

I hereby certify that I have the authority to make the foregoing application, that the application is correct

and accurate, and that the construction will comply with plans reviewed and approved by all necessary				
agencies and hereby acknowledge and accept this to be a condi	tion for the issuance of this permit.			
Pramod KC	12/18/2023			
Signature of owner or authorized agent	Date			

HAWP APPLICATION:	MAILING ADDRESSES FOR NOTHING
[Owner, Owner's Agent,	Adjacent and Confronting Property Owners]

Owner's mailing address Owner's Agent's mailing address 11650 Snowden Farm Parkway Germantown, MD 20876 Adjacent and confronting Property Owners mailing addresses **Zhang Zhiyong** CHOUIKHA MOHAMED FAOUZI Xu Jiju 20312 Mallet Hill Ct 20301 Mallet Hill Ct Germantown, MD 20876 Germantown, MD 20876 LYNAM FRANKLIN PATRICK LYNAM DANIELLE NICHOLE **KLOCK JEFFREY M** 20305 Mallet Hill Ct 11722 Morning Star Dr Germantown, MD 20876 Germantown, MD 20876 MITCHELL RANDOLPH E **ORDOS BILIG** MITCHELL LATECHIA **HESHIG SAIHANJULA** 20300 Mallet Hill Ct 11714 Morning Star Dr Germantown, MD 20876 Germantown, MD 20876 ATWELL THOMAS M & T R SIMONS EDWARD L & M A 20309 Mallet Hill Ct 11804 Morning Star Dr Germantown, MD 20876 Germantown, MD 20876 HANCOCK WILLIAM M TR ST ANGELO JOHN & A 11808 Morning Star Dr 21721 Brink Meadow Ln Germantown, MD 20876 Germantown, MD 20876 **ARUMUGAM JAYACHANDRAN BERTRAND WILLIAM C JR & BRENDA** MARIADOSS METILDA 21729 Brink Meadow Ln 11820 Morning Star Dr Germantown, MD 20876 Germantown, MD 20876 **POND AMY TKAC BROWN DAMONE R** 21733 Brink Meadow Ln **BROWN MARLEANDA L** Germantown, MD 20876 11824 Morning Star Dr Germantown, MD 20876 **CHEOK MICHAEL C & J M** 21737 Brink Meadow Ln Germantown, MD 20876 KERIAKOU LINDA M TR 21725 Brink Meadow Ln Germantown, MD 20876 FREDERICK ROBERT M & BONNIE L 21741 Brink Meadow Ln Germantown, MD 20876 10 Description of Property: Please describe the building and surrounding environment. Include information on significant structures, landscape features, or other significant features of the property:

The property is located at 11650 Snowden Farm Parkway, Germantown, MD 20876, the area of the property as listed on plat is 16.75 Acres. The property falls in Historical preservation master plan designated as Howes Farm (Elizabeth Waters Farm), which was built in 1884 by James R. Howes, several other outbuildings like hen house, a double corn crib and machine storage shed, a rusticated concrete block dairy building, pump house, meat house, Silo and feed room also remain from the period.

The property is enclosed by tree lines in all three sides and frontage is connected to Snowden Farm Parkway, the property is mostly vegetated with grass, shrubs, and trees. A stream passes through the east side of the property and part of the property lies on 100-year floodplains.

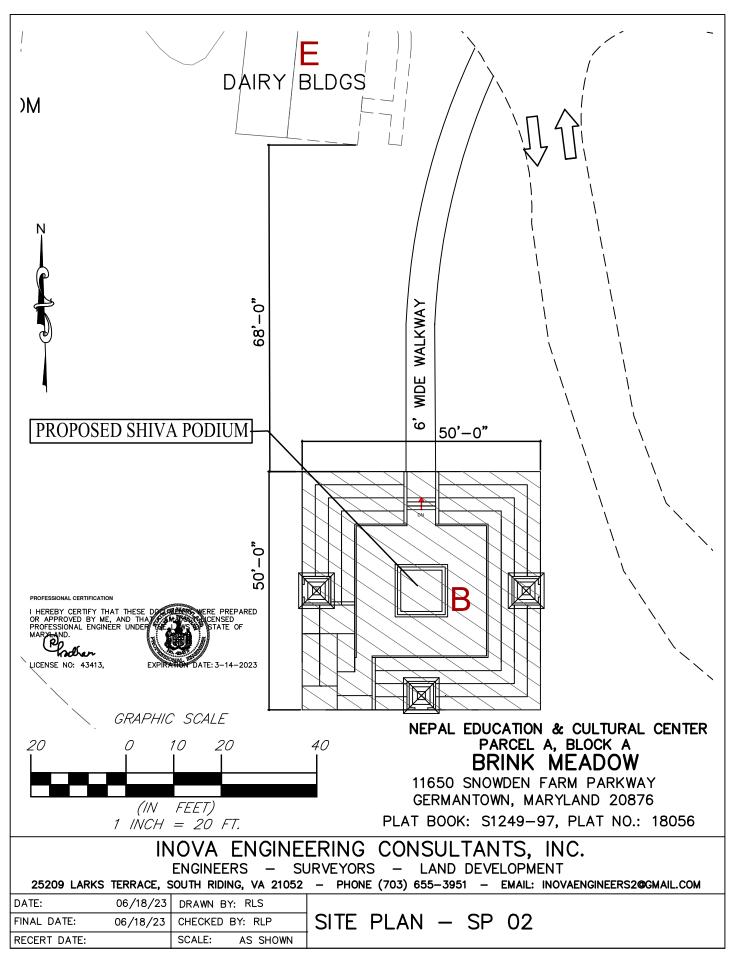
Description of Work Proposed: Please give an overview of the work to be undertaken:

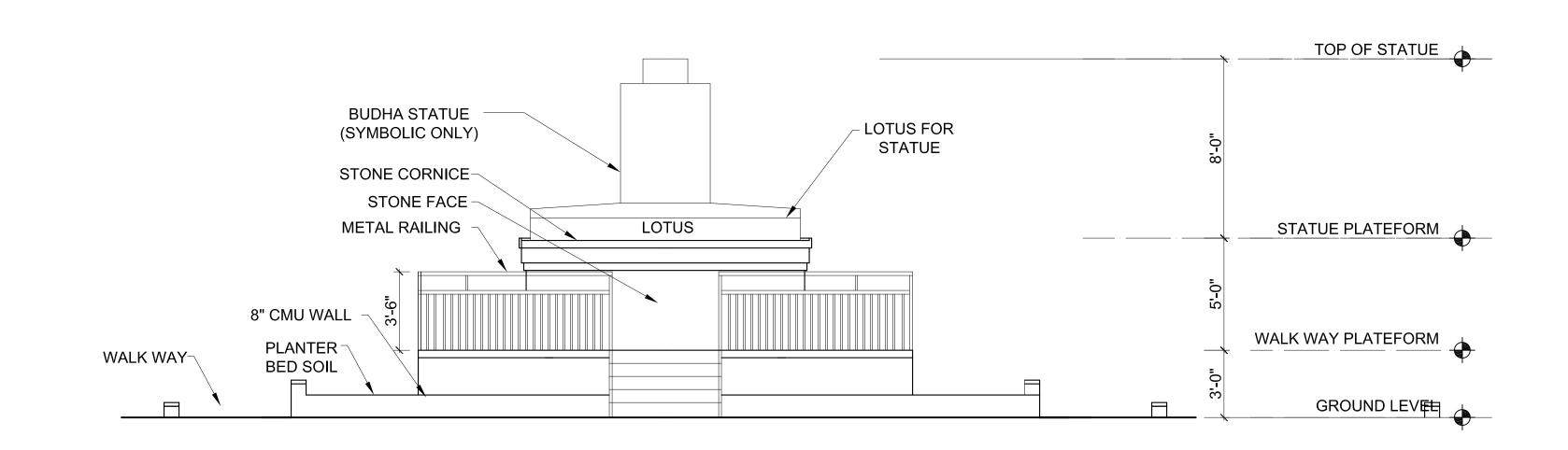
As part of NECC's community center development the engineering department is working on designing and permitting processes for two new concrete base podiums. As shown on the site plan attached with this application, Lord Shiva and Lord Buddha podiums are being proposed at the locations shown. NECC is requesting HPC's approval of the site plan for the construction of these podiums.

Work Item 1: <u>Podium Construction</u>	_
Description of Current Condition: The sites where these two podiums are proposed are bare ground at the existing condition.	Proposed Work: NECC is requesting plan approval to construct podiums for Lord Shiva and Buddha statues. See attached site plan, elevations and podium design sheets for detail.
Work Item 2:	
Description of Current Condition:	Proposed Work:
Work Item 3:	
Description of Current Condition:	Proposed Work:

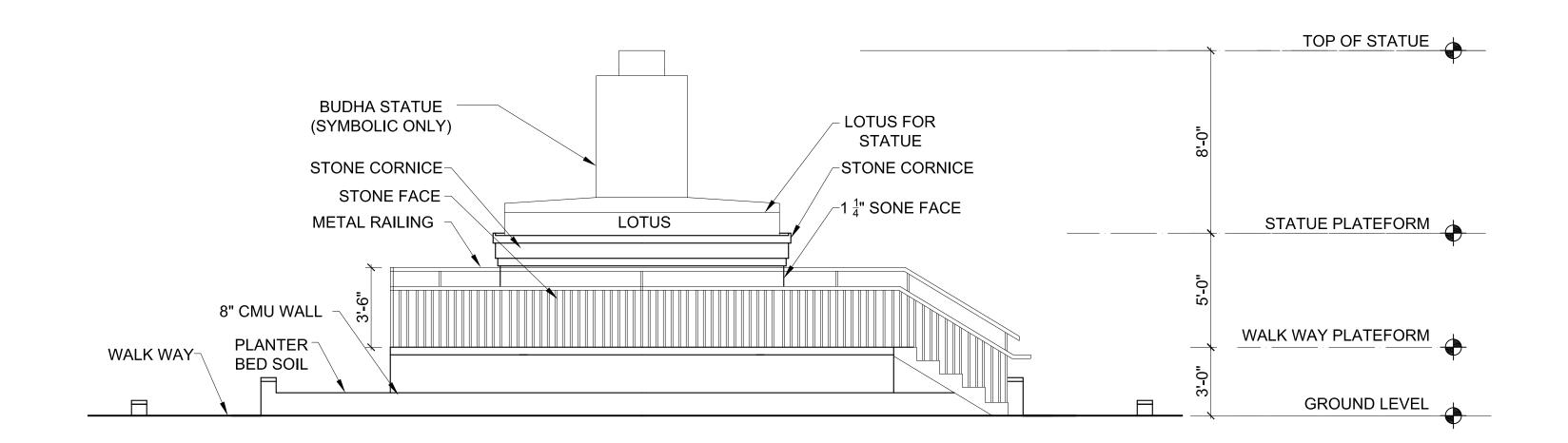
HISTORIC AREA WORK PERMIT CHECKLIST OF APPLICATION REQUIREMENTS

	Required Attachments						
Proposed Work	I. Written Description	2. Site Plan	3. Plans/ Elevations	4. Material Specifications	5. Photographs	6. Tree Survey	7. Property Owner Addresses
New Construction	*	*	*	*	*	*	*
Additions/ Alterations	*	*	*	*	*	*	*
Demolition	*	*	*		*		*
Deck/Porch	*	*	*	*	*	*	*
Fence/Wall	*	*	*	*	*	*	*
Driveway/ Parking Area	*	*		*	*	*	*
Grading/Exc avation/Land scaping	*	*		*	*	*	*
Tree Removal	*	*		*	*	*	*
Siding/ Roof Changes	*	*	*	*	*		*
Window/ Door Changes	*	*	*	*	*		*
Masonry Repair/ Repoint	*	*	*	*	*		*
Signs	*	*	*	*	*		*











RE\	/ISION SCHEDULE	
NO	DESCRIPTION	DATE
SUE	BMISSION SCHEDULE	
NO	DESCRIPTION	DATE
PR	OJECT:	
	00201.	

NECC
NEPAL EDUCATION AND
CULTURAL CENTER
20520 BEALLSVILLE

SHEET TITLE:

MARYLAND

ELEVATIONS

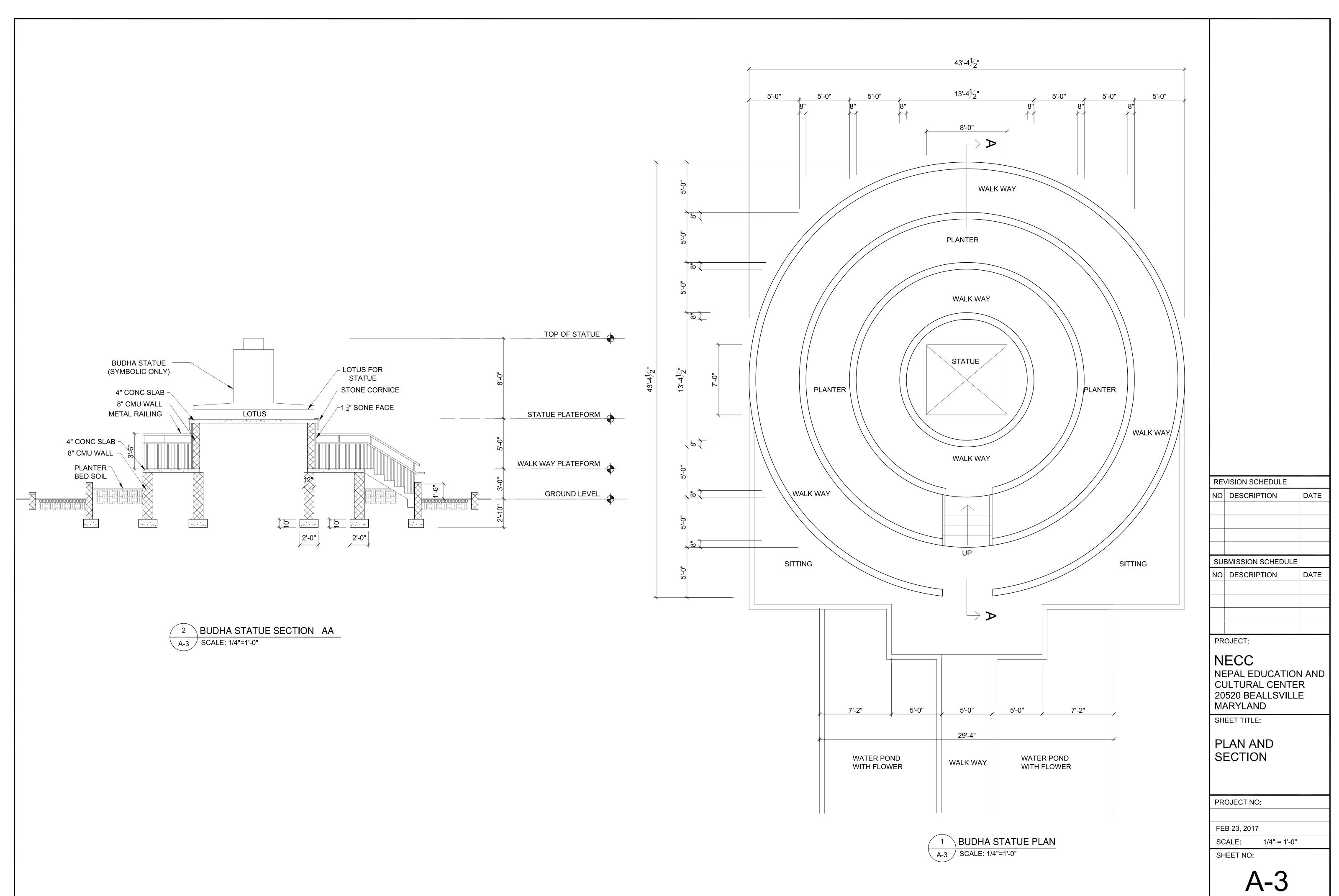
PROJECT NO:

FEB 23, 2017

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

SHEET NO:

A-4



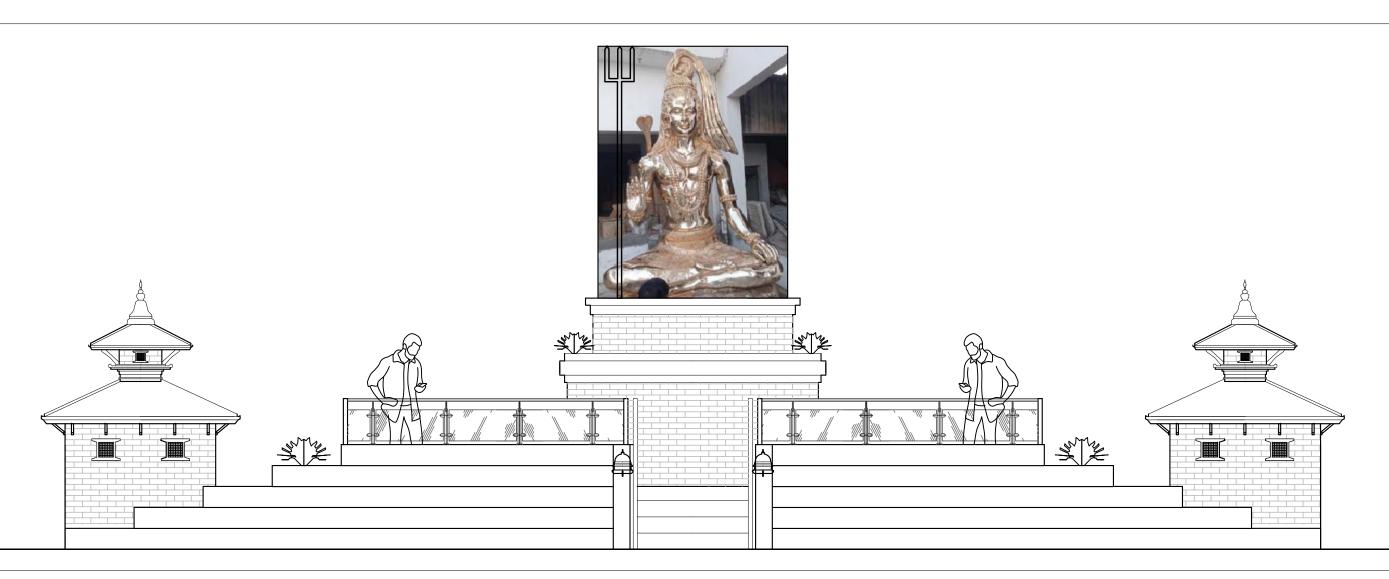
EDUC

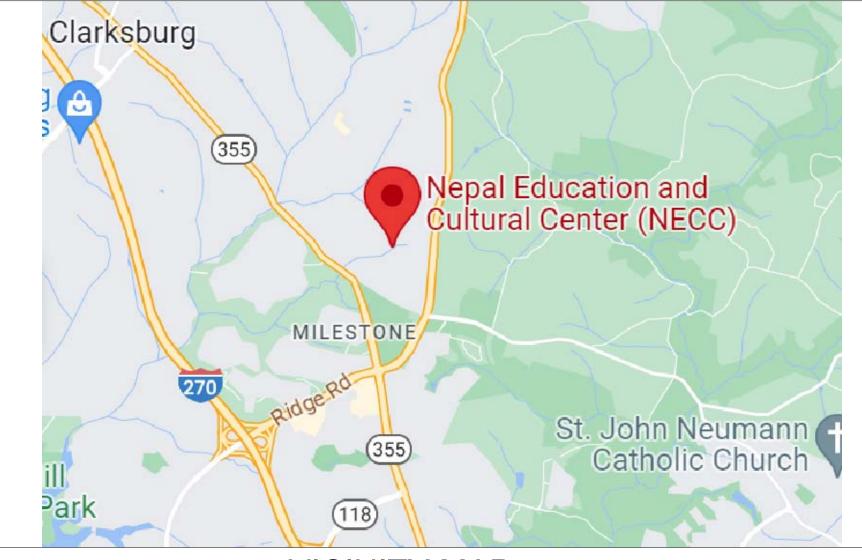
NEPAL

FACILITY

NEPAL EDUCATION AND CULTURAL CENTER (NECC)

11650 SNOWDEN FARM PWY GERMANTOWN, MARYLAND 20876 PERMIT SET JUNE 5, 2023





VIEW

LIST OF DRAWINGS

ARCHITECTURAL
CS01 COVER SHEET
G001 GEN NOTE ABRV

A100 EGRESS PLAN A101 FIRST FL PLAN

A201 ELEVATIONS
A202 ELEVATIONS
A301 BLDG SECTION
A302 BLDG SECTION
A401 RAMP DETAIL
A802 ADA DETAILS

STRUCTURAL

S106

S100 STRCTL NOTE
S101 FDN 1ST FL PLAN
S102 1ST FLR FRM PLAN
S103 TOP PODIUM LVL FRM PLAN

RAMP DETAIL

S104 BLDG SECTION S105 DETAIL STRUCTURAL STRO

S100 STRCTL NOTE
S101 FDN 1ST FL PLAN
S102 1ST FLR FRM PLAN

S103 TOP PODIUM LVL FRM PLAN S104 BLDG SECTION

S105 DETAIL

S106 RAMP DETAIL

VICINITY MAP

PROJECT CODE ANALYSIS
BASED ON 2018 IBC AND 2012 NFPA 1 & 101S-101

PROPOSED SPACE A3 & AB IBC USE GROUP CLASSIFICATION NFPA USE GROUP CLASSIFICATION A3 & AB **CONSTRUCTION TYPE** TYPE II, B # OF STOREYS ABOVE GRADE ONE (1) HIGH RISE YES PEDESTAL DESIGN FIRE ALARM N0 **SPRINKLERED** N0 **FLOOR AREA** 2500 SF **COVERED MALL TOTAL BUILDING AREA** 2500 SF OCCUPANT LOAD NUMBERS OF EXITS TRAVEL DISTANCE LAND USE INSTITUTIONAL/COMMUNITY

PROJECT SCOPE

-JURISDICTION MONTGOMERY COUNTY,

- 2018 INTERNATIONAL BUILDING CODE

- 2018 INTERNATIONAL PLUMBING CODE

- 2018 FIRE PREVENTION CODE NFPA 1

- 2018 INTERNATIONAL FUEL GAS CODE

- 2018 LIFE SAFETY CODE NFPA 101

- 2018 INTERNATIONAL MECHANICAL CODE

- 2018 ENERGY CONSERVATION CODE

- 2018 INTERNATIONAL RESIDENTIAL CODE

MARYLANDAPPLICABLE CODE

- 2017 NATIONAL ELECTRIC CODE

APPLICABLE CODES:

PROJECT APPLICABLE CODE

THIS PROJECT SCOPE INCLUDE CONSTRUCTION OF PEDESTAL DESIGN FOR STATUE, WALK AROUND PLATEFORM, STEPS AND RAMP.

ACCESSIBILITY

- COMAR 05.02.02

-ADDAG

- FHAG

- 2010 ADA STANDARDS

FOR ACCESSIBILITY DESIGN

HEIGHT AND AREA CALCULATIONS PER IBC CHAPTER 5

OCCUPANCY = A2 FOOTNOTES S FOOTNOTES CONSTRUCTION TYPE = TYPE II, B 35' ALLOWED HEIGHT / ACTUAL = 10'-0" 2 STORIES ALLOWED / 1 STOREY ACTUAL

FIRE SEPERATION PER IBC CHAPTER 705.8

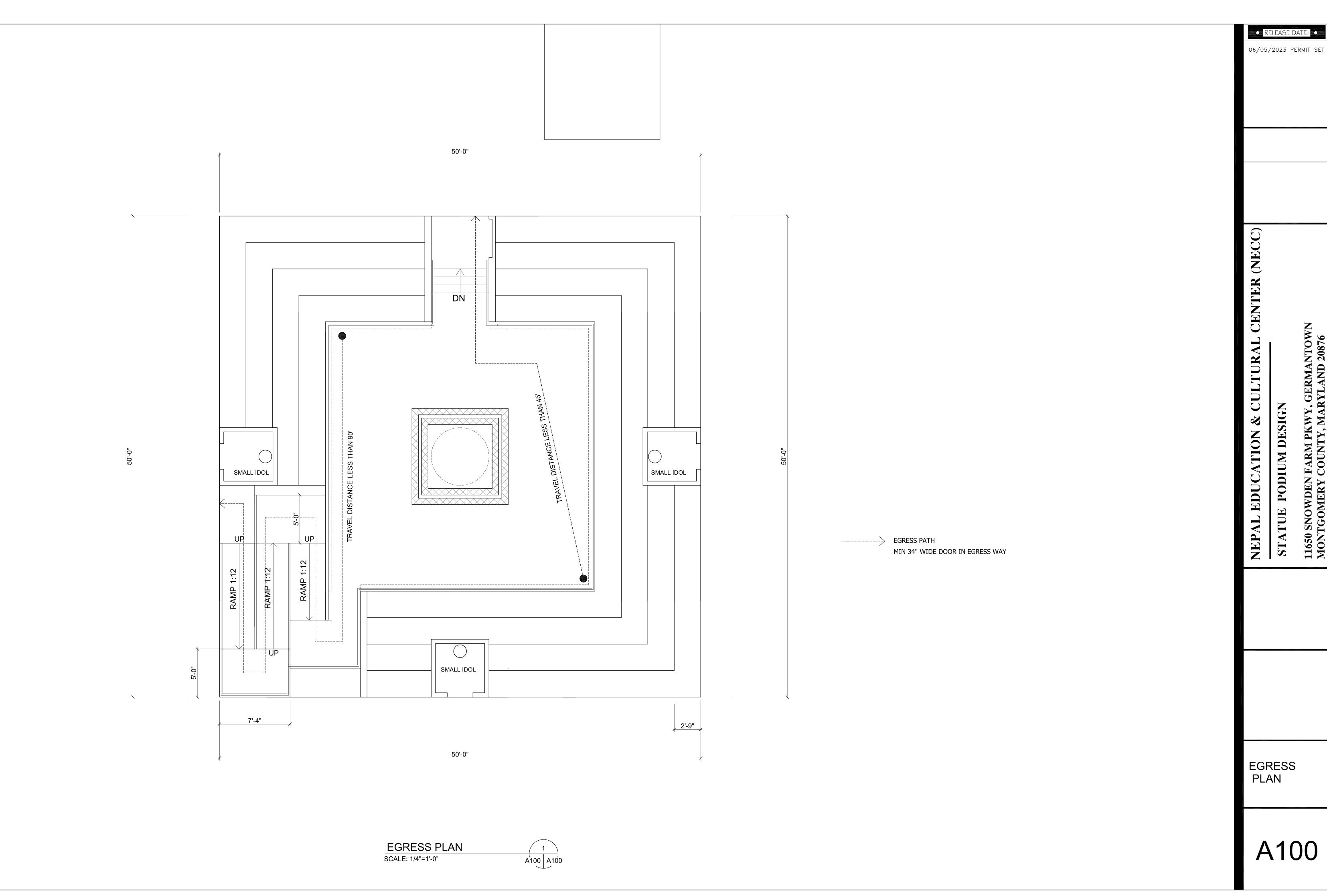
DISTANCE = 50'-0" UNPROTECTED / NOT SPRINKLEDRED

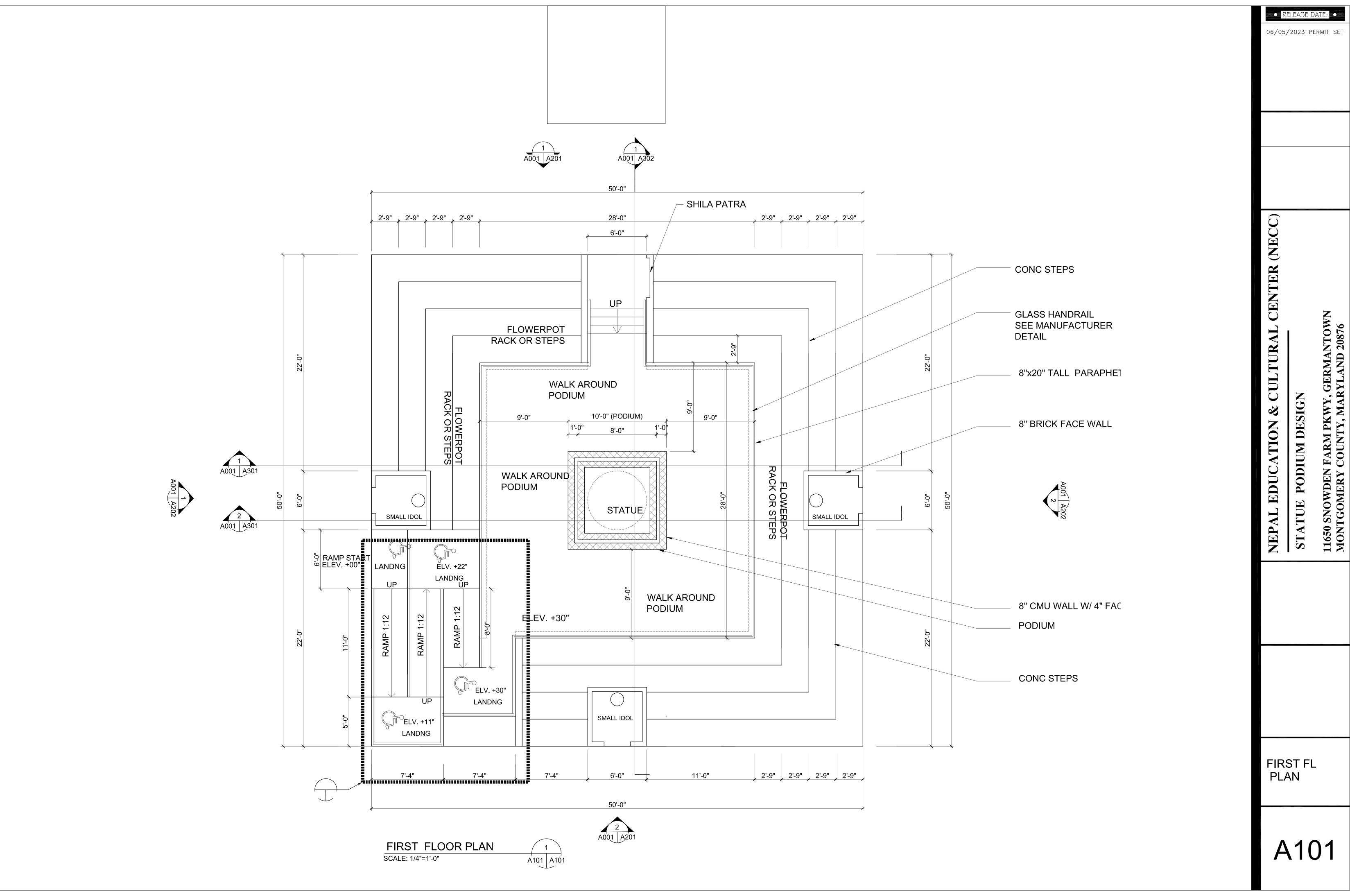
FIRE SPERATION RESISTANCE RATING PER IBC 602

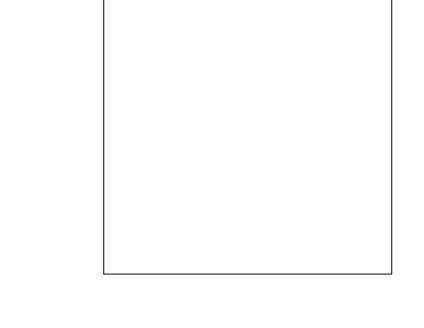
DISTANCE = 50'-0"

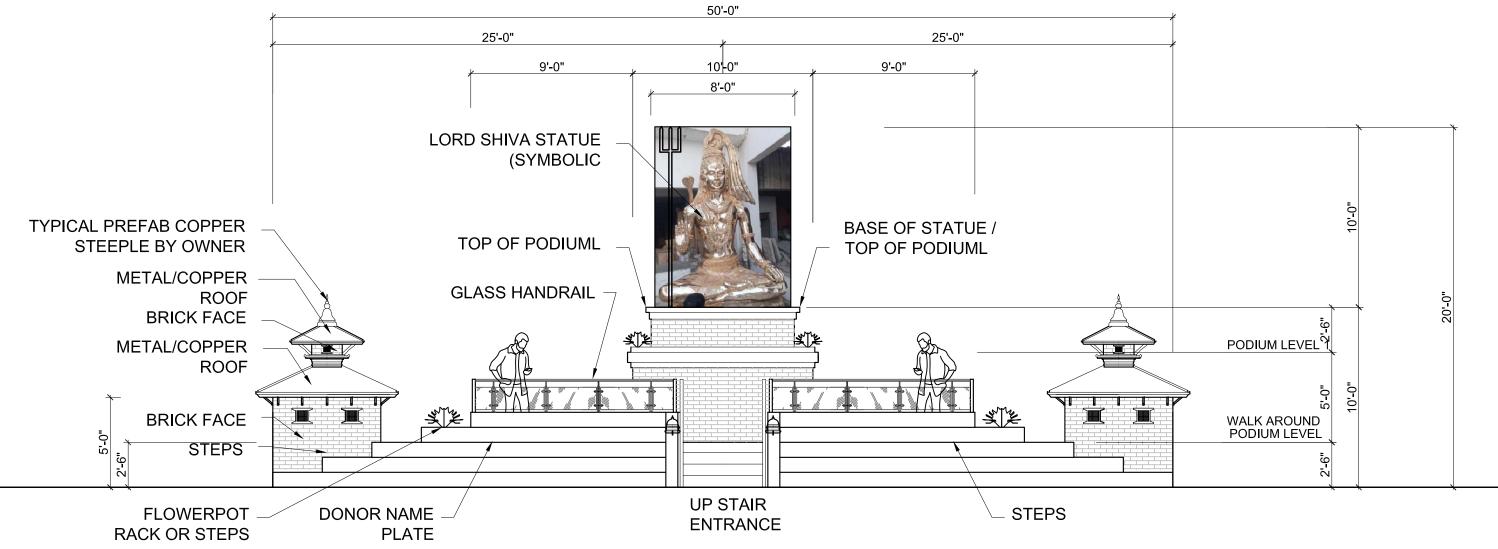
ALL CONSTRUCTION TYPES

PLUMBING FIXTURES AS REQUIRED EXCEEDS CODE REQUIREMENT

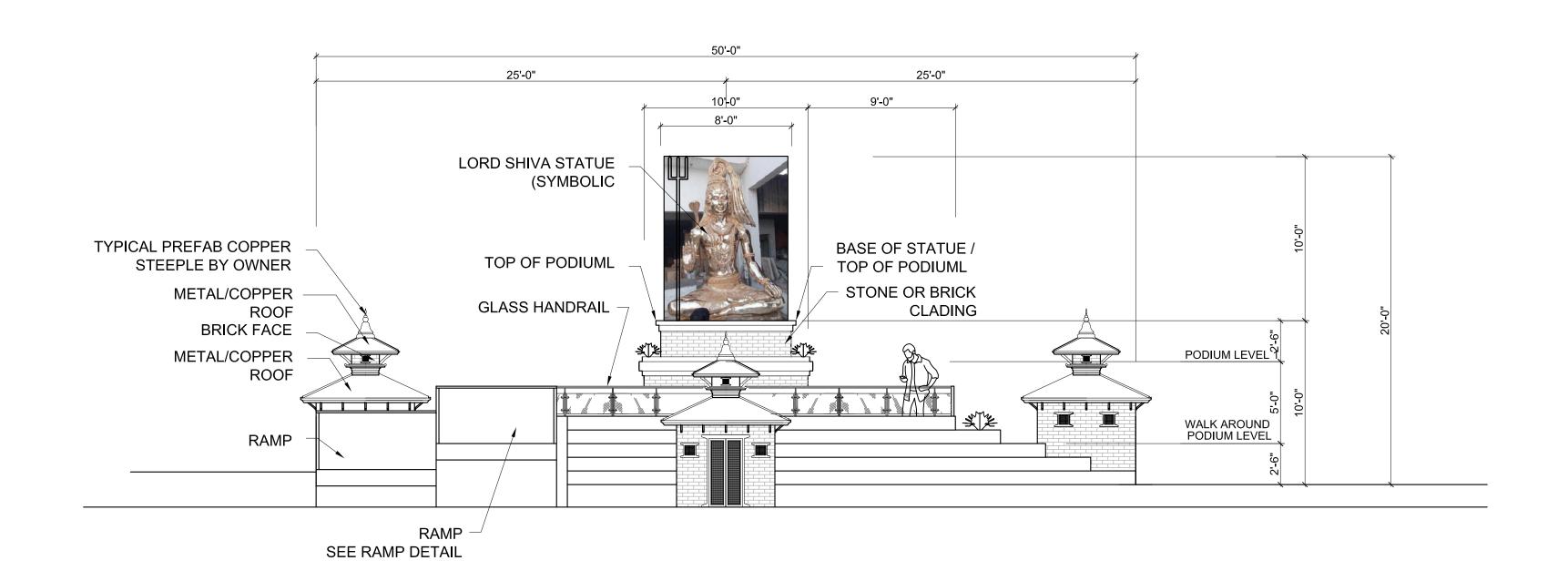












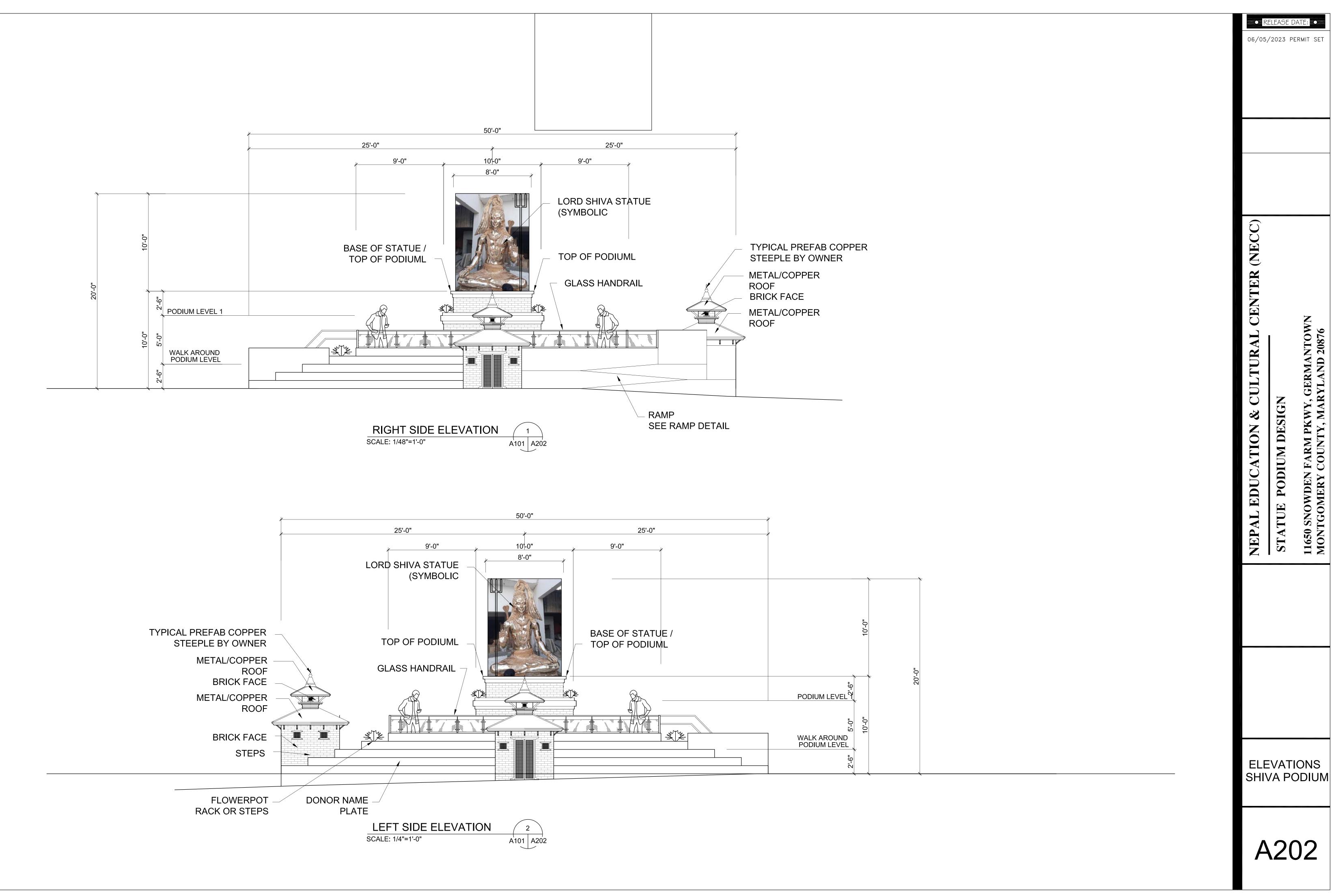


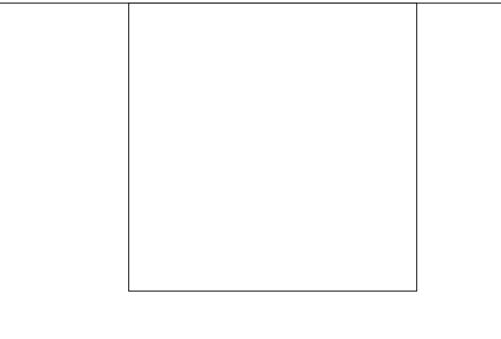
CENTER (NECC) FARM PKWY, GERMANTOWN COUNTY, MARYLAND 20876 CULTURAL S NEPAL EDUCATION

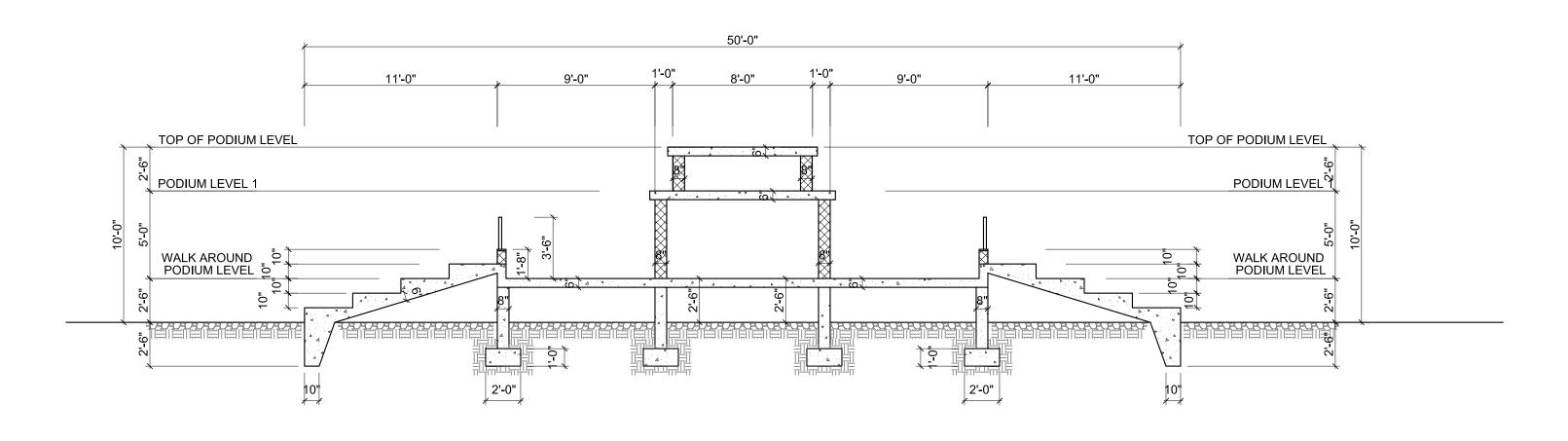
06/05/2023 PERMIT SET

ELEVATIONS SHIVA PODIUM

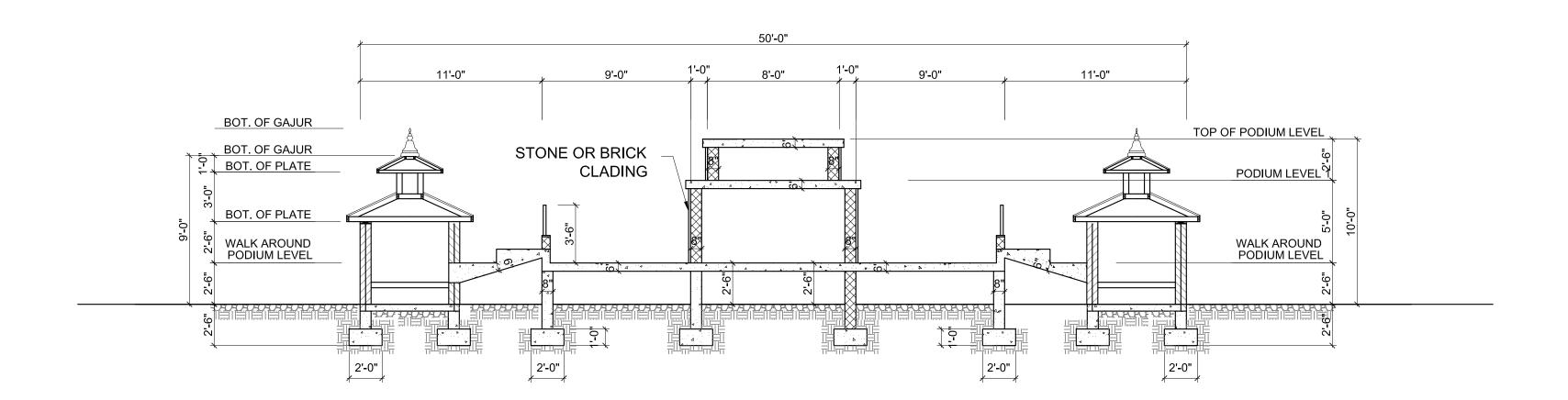
A201











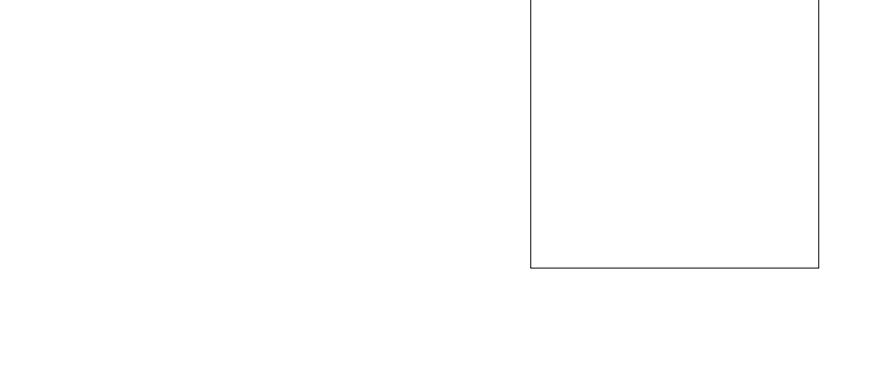


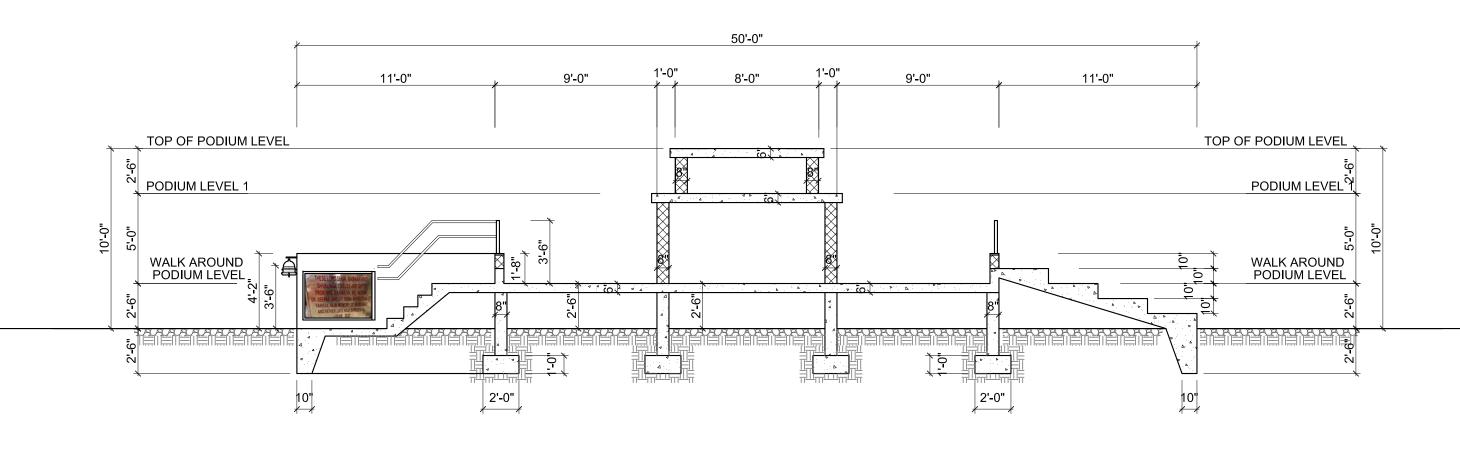
NEPAL EDUCATION & CULTURAL

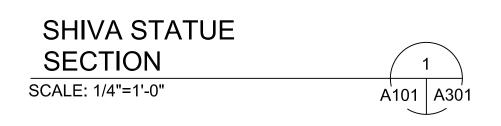
06/05/2023 PERMIT SET

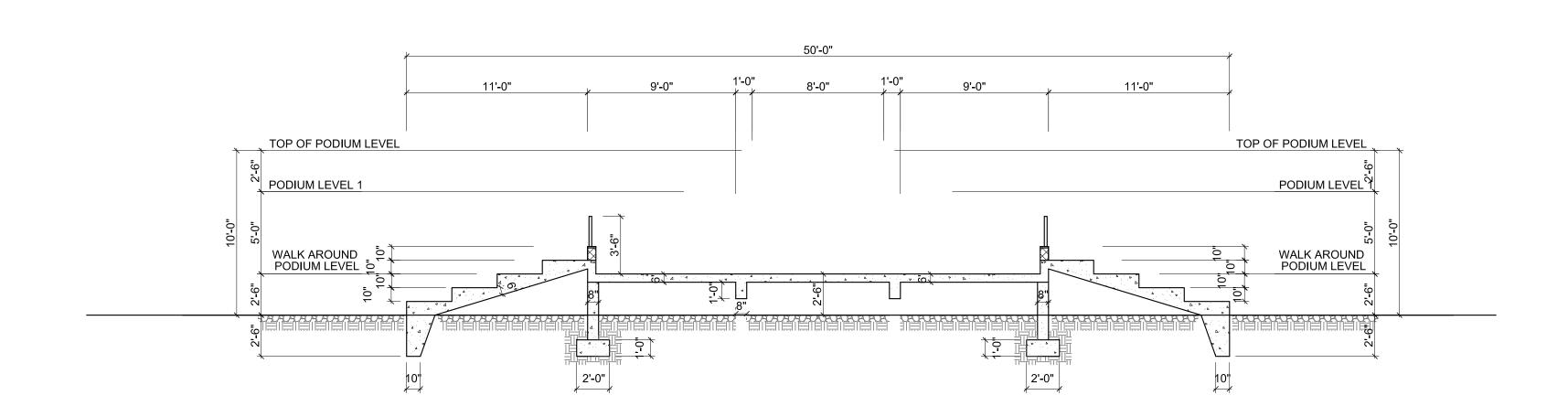
SECTIONS

A301











O6/05/2023 PERMIT SET

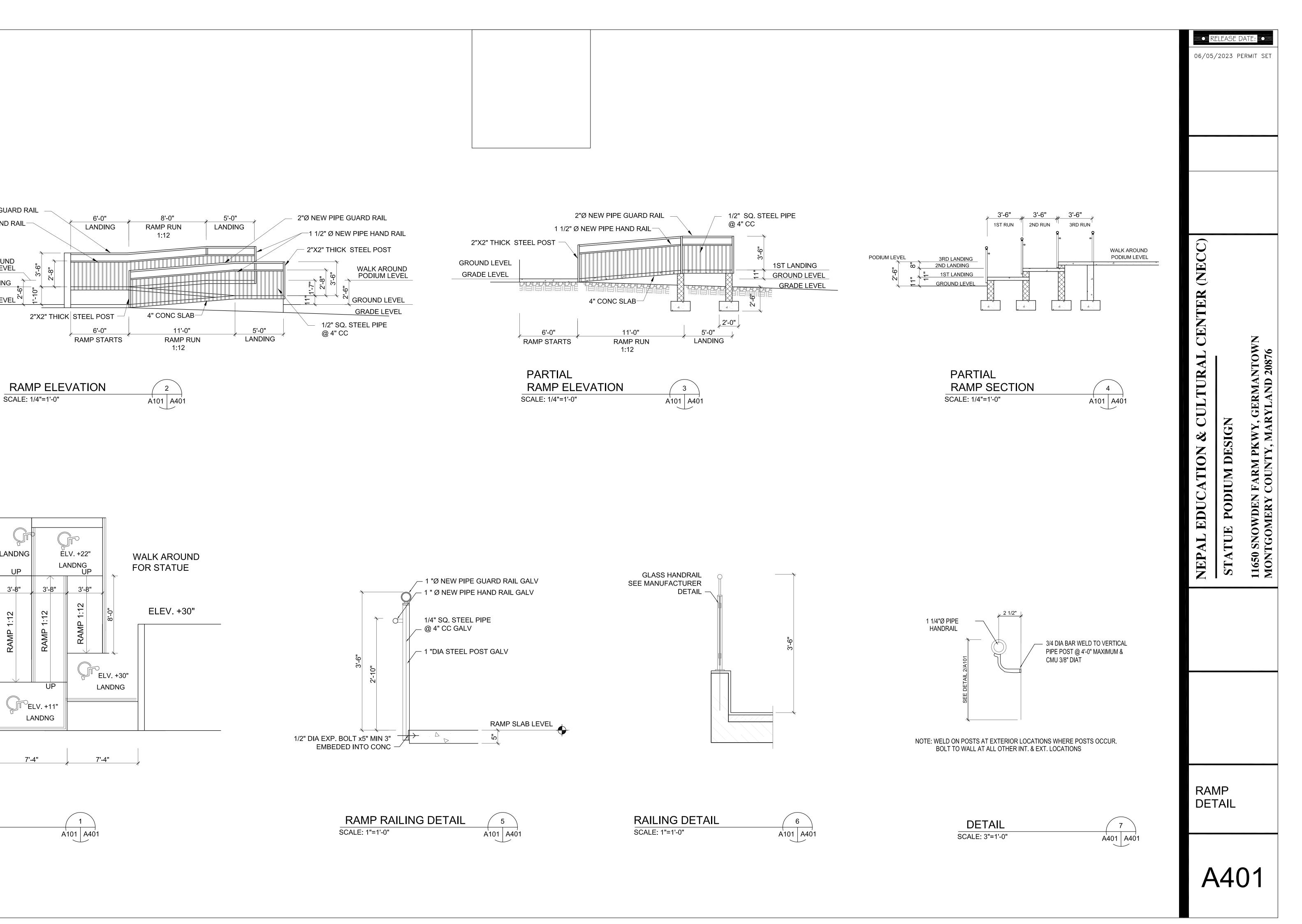
NEPAL EDUCATION & CULTURAL CENTER

STATUE PODIUM DESIGN

11650 SNOWDEN FARM PKWY, GERMANTOWN

SECTIONS

A302



2"Ø NEW PIPE GUARD RAIL

WALK AROUND

PODIUM LEVEL

2ND LANDING

PRAMP START © ELEV. +00"

RAMP PLAN

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

LANDNG

UP

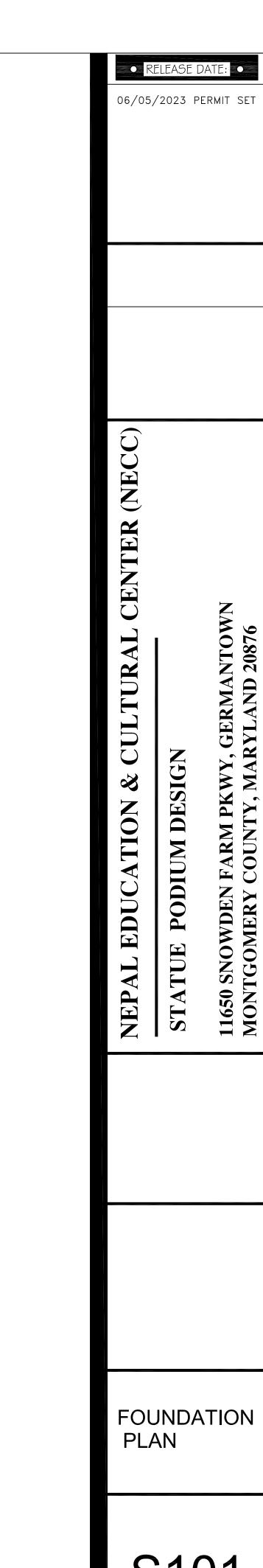
3'-8"

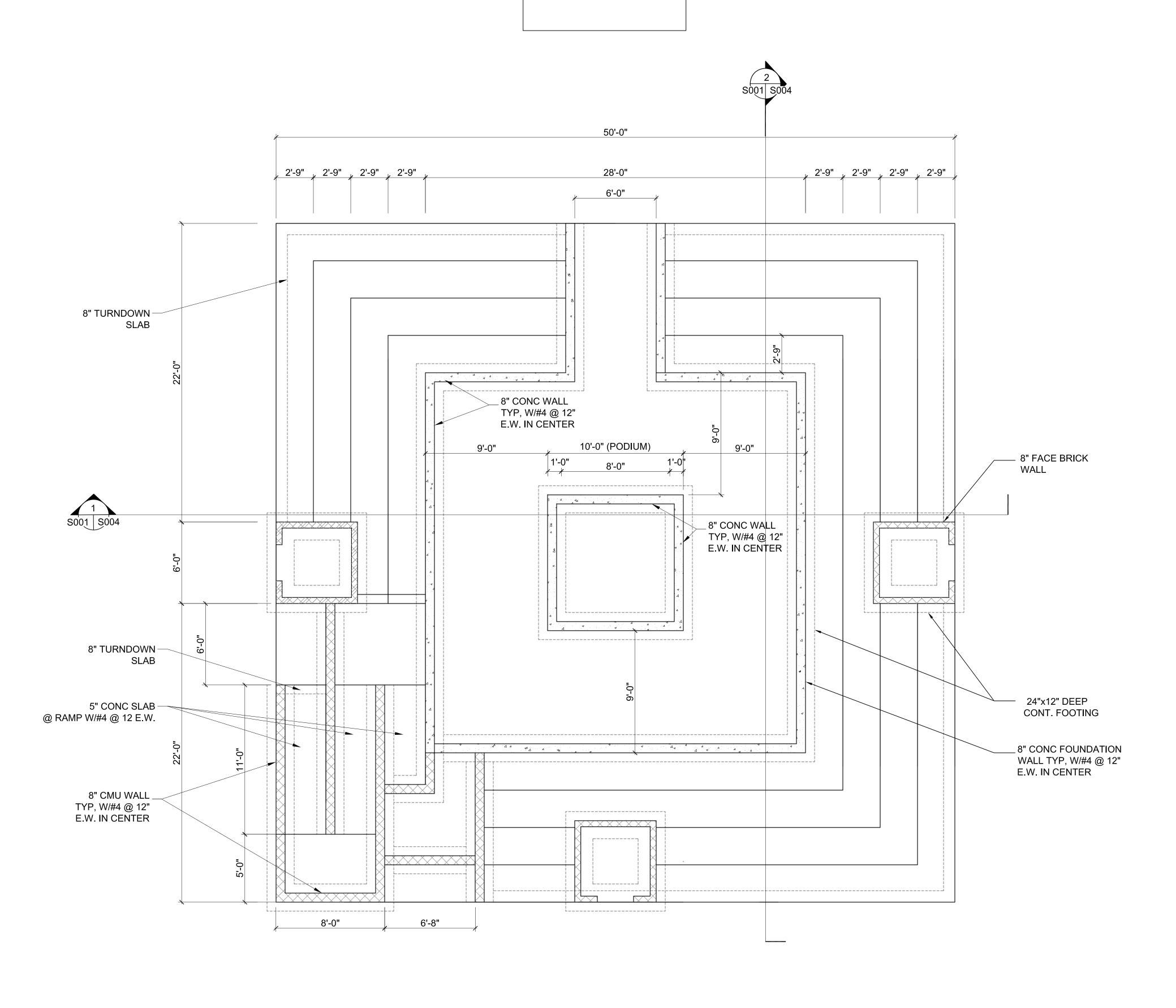
1:12

7'-4"

GROUND LEVEL "

1 1/2" Ø NEW PIPE HAND RAIL-

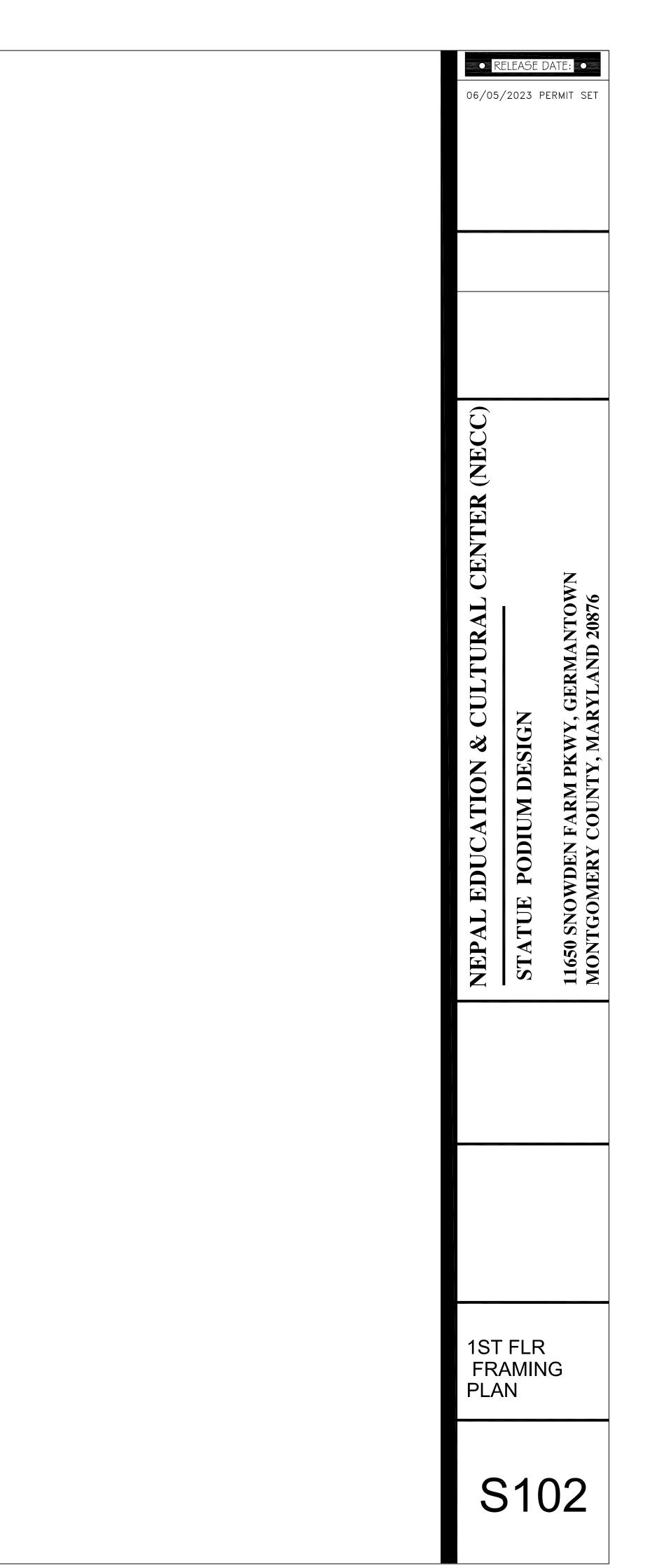


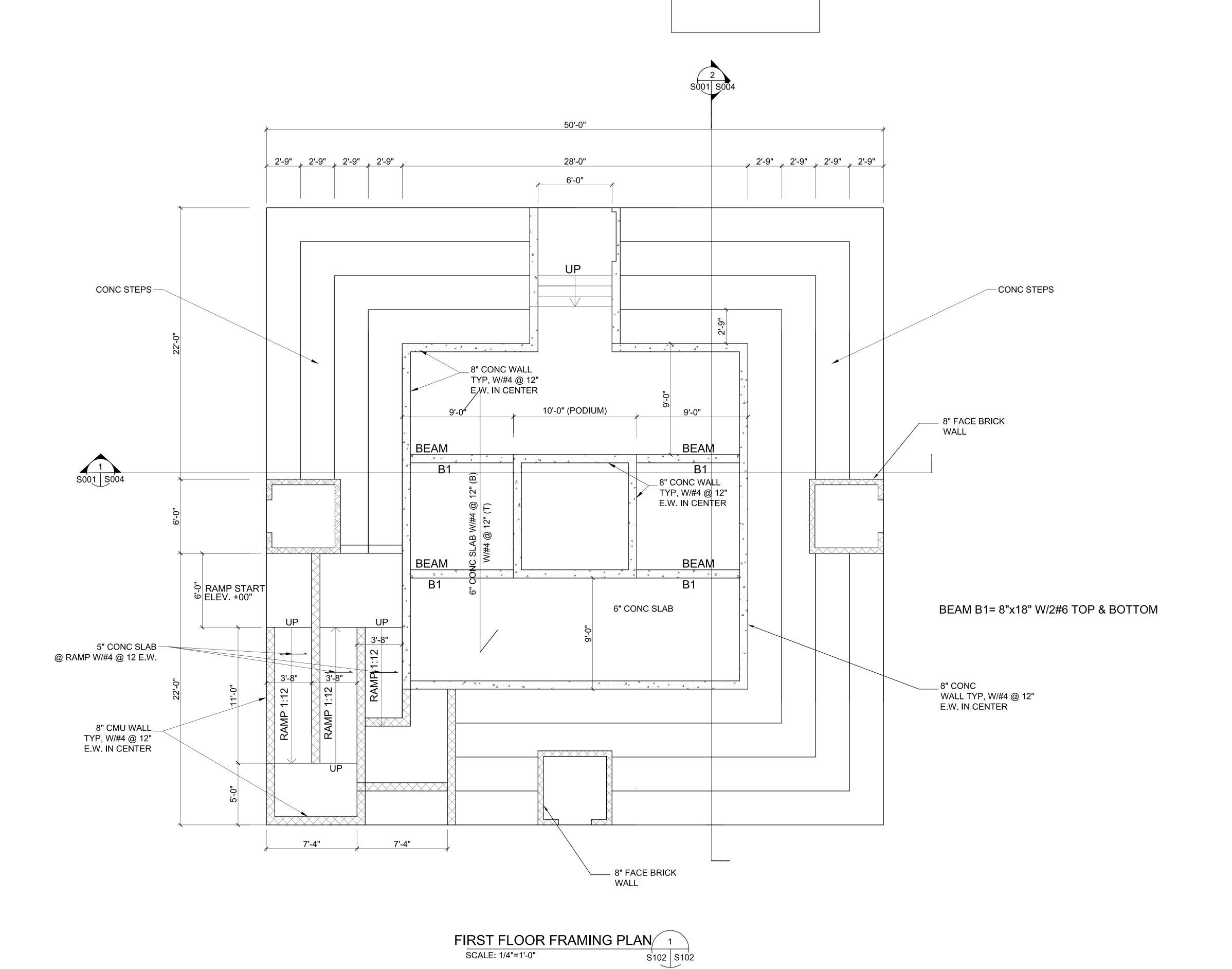


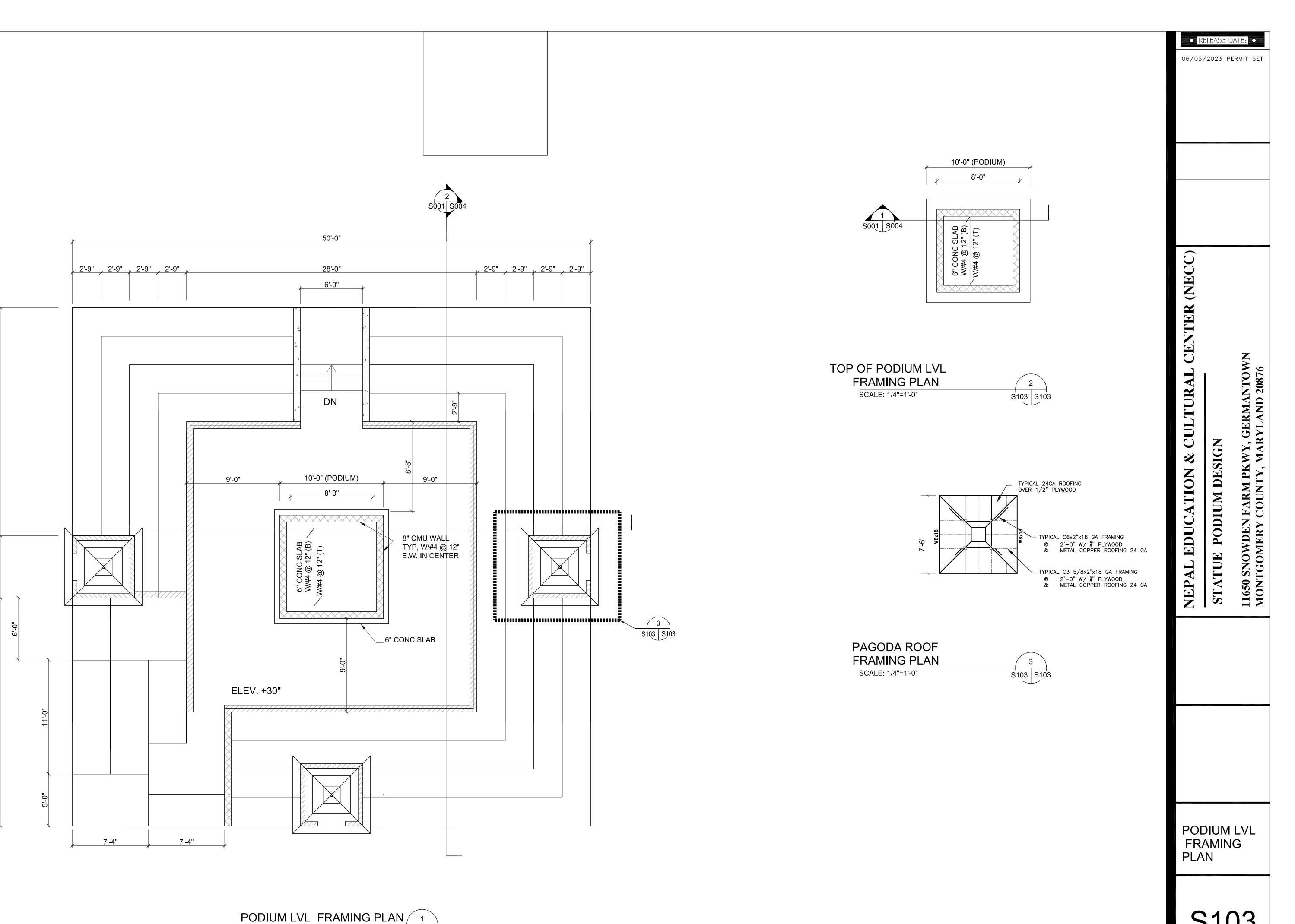
FOUNDATION PLAN

S101 S101

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



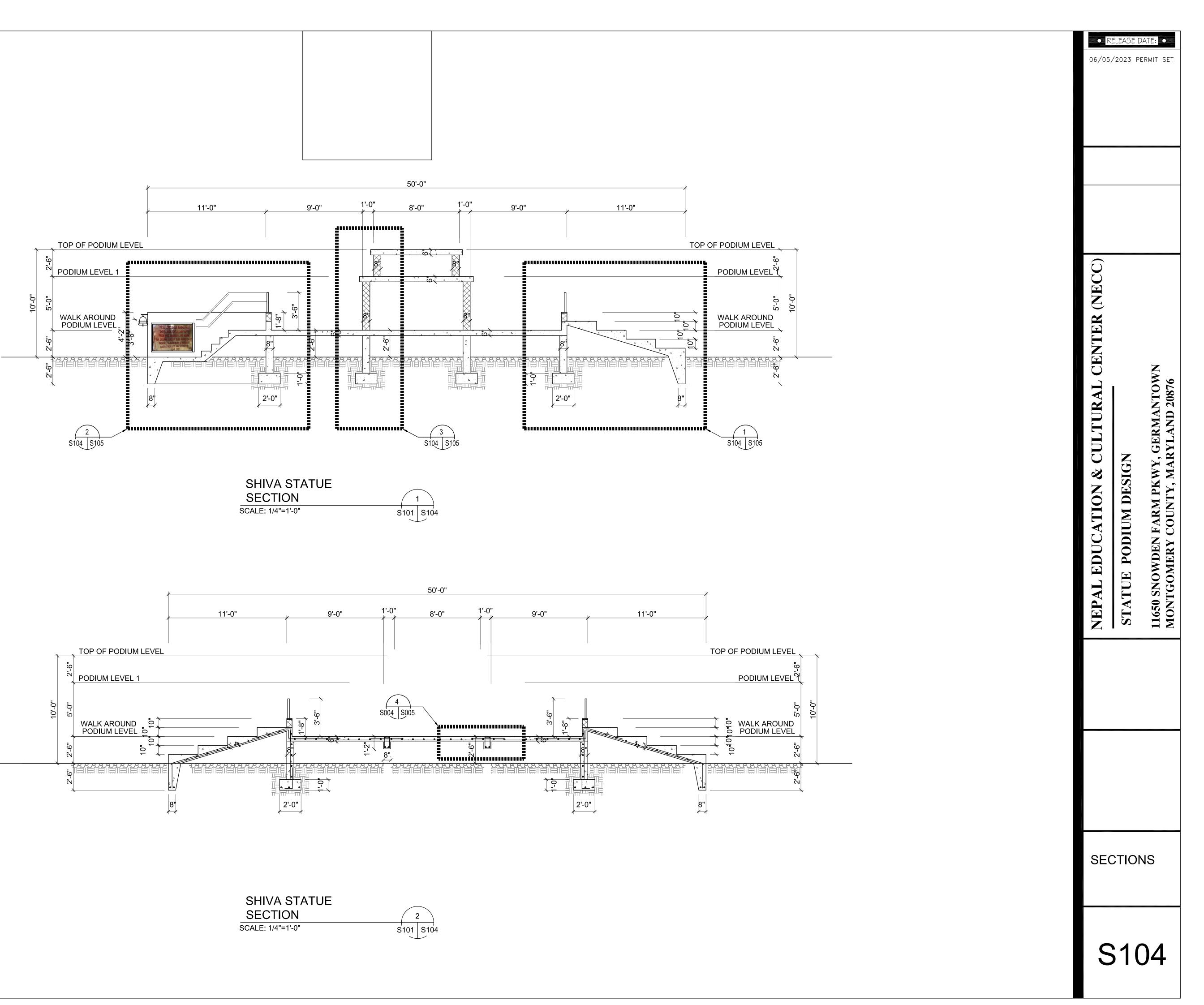


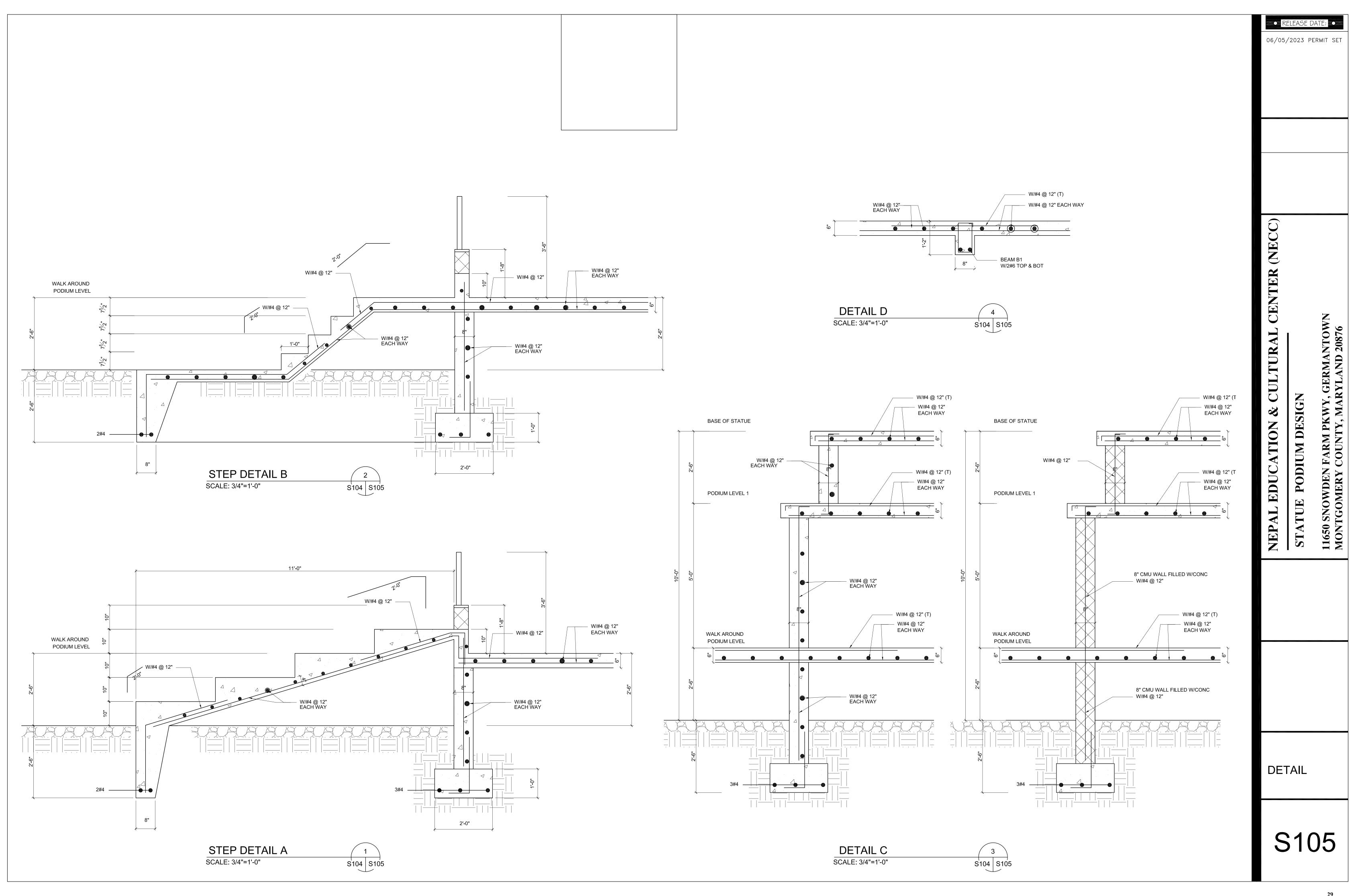


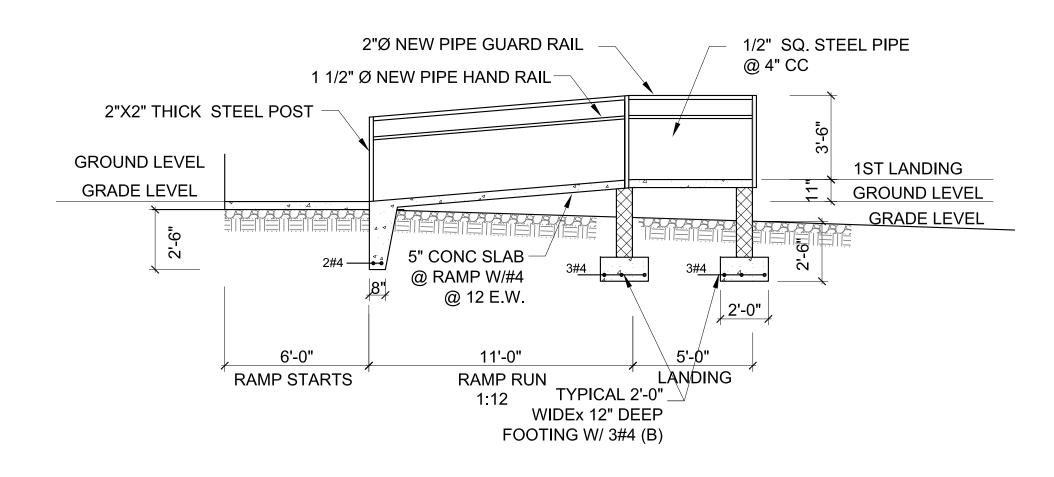
1 S001 S004

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

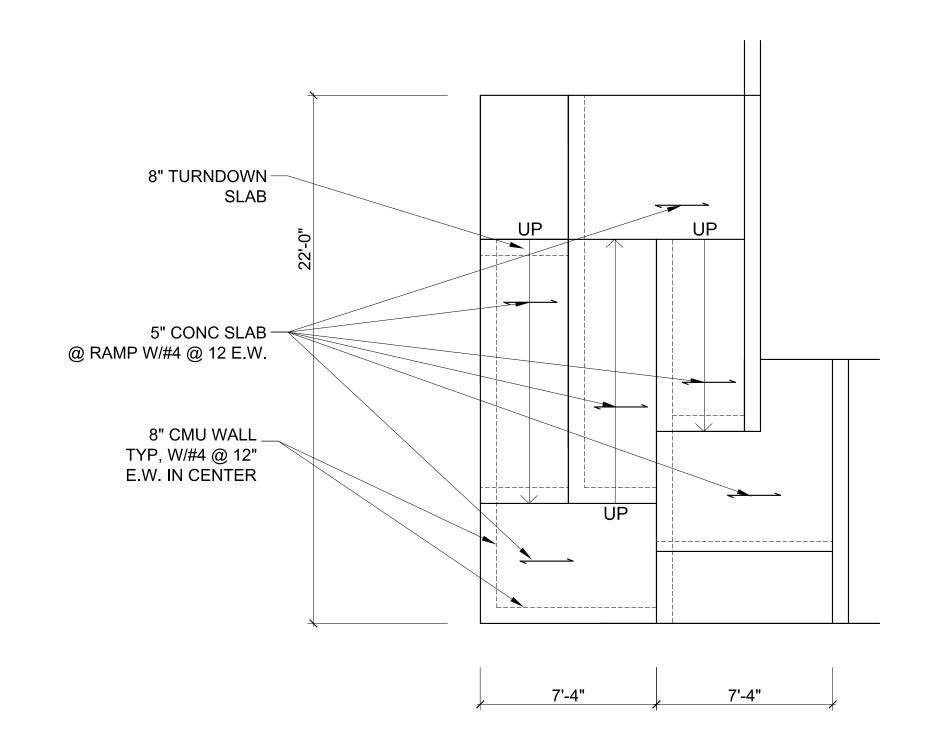
S103 S103



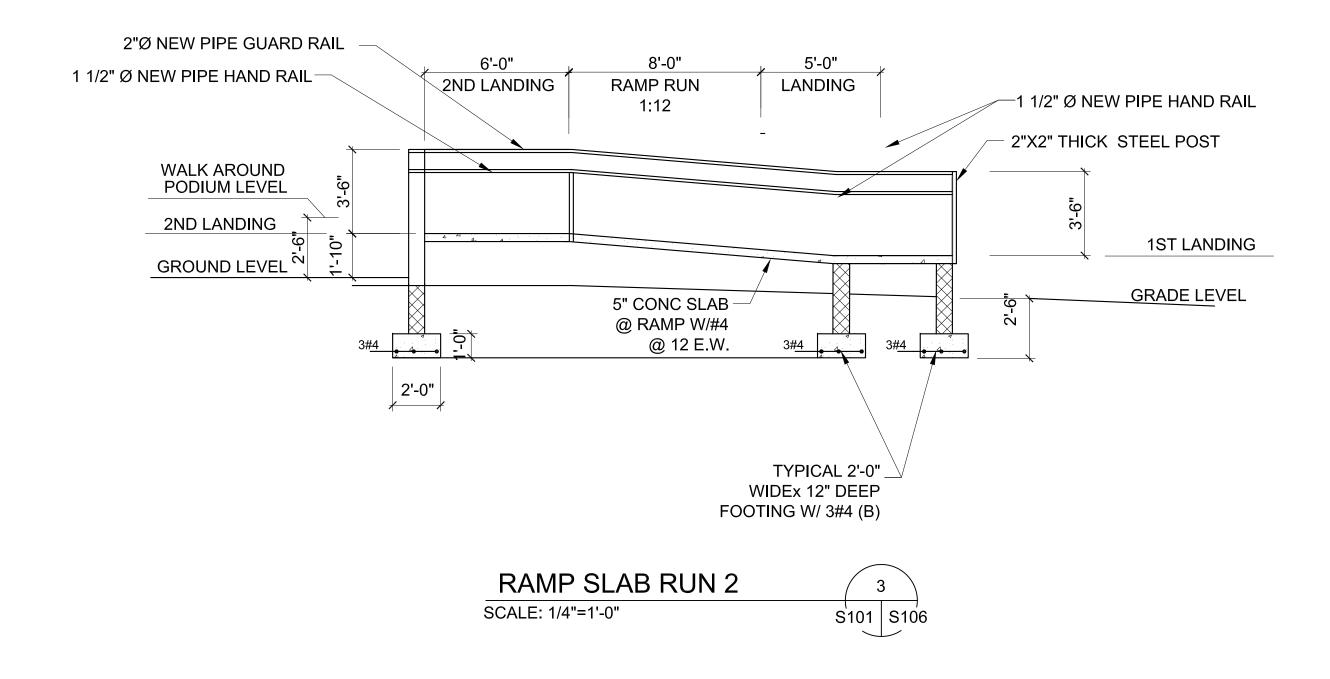


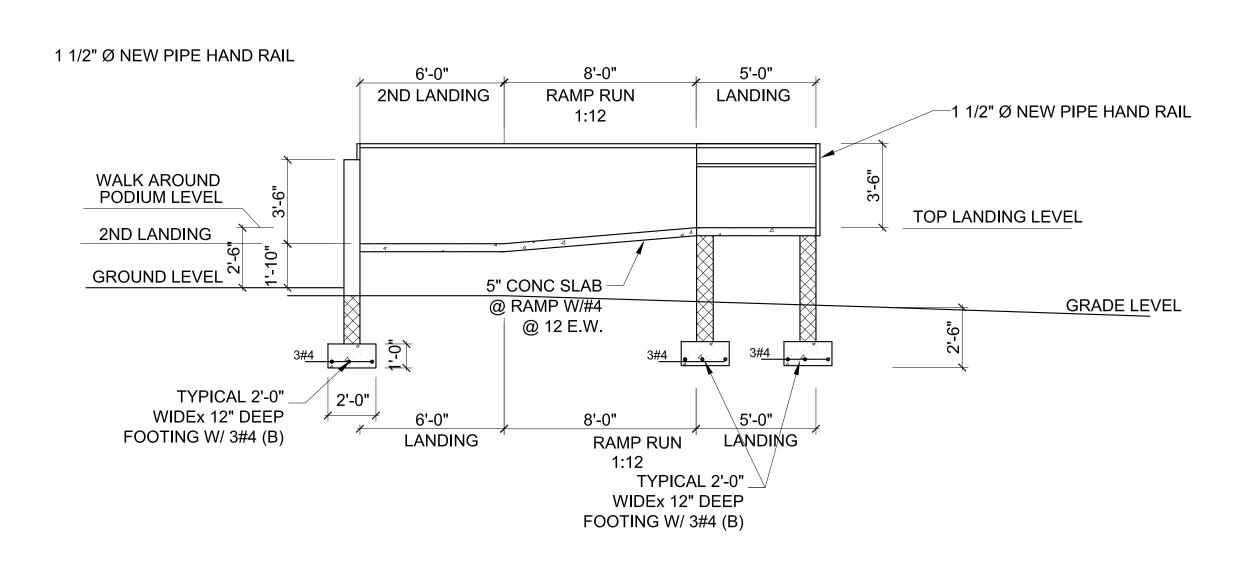














CENTER (NECC) FARM PKWY, GERMANTOWN COUNTY, MARYLAND 20876 CULTURAL S ATION 11650 SNOWDEN I MONTGOMERY (NEPAL EDUC RAMP DETAIL

06/05/2023 PERMIT SET

S106

SLAB ON GRADE: Except otherwise noted, shall be 4" thick reinforced with 6-6 W1 4 x W1.4. Placing, lap etc. to conform to ACI Standard. Provide 4" inch washed gravel and 10 mil vapor barrier system under slab compacted

fill as required shall be placed under slab & thickened slab as per the Geo-technical report. Provide control joints not to exceed 25' in each direction (maximum 625 s.f.). 5" mat slab for building B & C reinforced

requirements and specifications of national Concrete Masonry association

horizontal masonry joint reinforcing as per ASTM A-82 and at 16 inch

spacing. Shore and brace masonry wall temporarily as required until final

connections with floor are made, contractor shall be responsible for the

installed. fill cell at masonry, reinforcing with pea gravel concrete with

welded to joint to be Z purlins welded or screwed to resist 24 ga

connected with concealed clip to resist 115 MPH wind per manuf.

integrity of the exterior masonry wall due to lateral loading until floor is

ROOF DECK: Roof metal deck for for flat roof to be 28ga metal centering

Weld to support shall be 5/8 inch diameter puddle welds at each support so that average weld spacing does not exceed 12 inch on centers. In lieu

of weld, shear screws @ 12 inch centers can be provided at support of

LIGHT GAGE FRAMING: The light gage framing as manufactured by MBCI

Ix and Sx from another manufacturer can be used. All 16 gage or heavier

ANSI/ASCE 7-10 and AISI specifications for designed of Cold-Formed steel

members unless indicated on the drawings of approved by the Engineer. Do

minimum 18 inches long un punched track or stud at the punched opening.

The track or stud piece shall be the same size and gage as the punched

member. Fasten reinforcing piece to the member with minimum 4 screws

typical screws to be minimum #12X1" U.N.O., The light gage framing has

been designed to support the loads indicated. Additional temporary bracing

O.S.H.A. standards. Job site safety is contractors responsibility. All interior

studs can be red oxide except galvanized studs shall be used at masonry

structural system provided by cmu shear walls, cross bracings, internal and

Interior partitions to be 9/16" 26 Ga Galvalume corrugated metal sheathing

one side as per the architectural drawings screwed to studs @ 6" max. See

and non conditioned space and tracks at slabs. Contractor can use all

galvanized studs. submit shop drawings signed and sealed by a P.L. in

Maryland. Framing design is based on lateral stability for the entire

external shear wall panels and floor diaperagam. Submit shop drawing

STEEL JOIST: Per SJI institute latest edition. Provide bridging per SJI

framing and reinforced concrete construction shall be inspected and

shall be filed with the Architect and the Departments of inspections with the

specs. Steel joists to be designed for a net uplift of 20 psf.

compliance of all requirements of the contract drawings.

and shoring shall be provided as required to stabilize framing and to

not bear or connect light gage members within 12 inches reinforced with

light gage material shall have minimum yield strength of 50,000 psi. The

light gage framing has been designed in accordance with 2015 IBC,

structural members, latest edition. All connection shall be screwed or

powder fastened as indicated. Do not cut or splice light gage framing

or screwed with shear screw. Deck manufacturer shall provide closure

strips, cover plates and accessories as required at all edges.

deck to top of stud wall. Side laps are to be welded at 36 inch on center

(NCMA) Code, latest edition. All hollow load bearing unites shall conform to

ASTM C 90. Mortar shall be laid in type S and as per ASTM C 270. provide

MASONRY: All concrete block masonry wall shall conform to the

with #4 @ 12" each way.

minimum fc'=2500 psi.

Arch'l for exterior finish.

and overall job site safety.

CE

ATION CULTURAL

NEPAL EDU

BEALSVILI SVILLE, MI

S106

STRUCTURAL NOTES

DESIGN LIVE LOAD

Roof ---- 30 psf. Ground Snow 30 PSF Floor ----- Storage 125 psf Stairs----- 100 psf , Corridor - 100 psf Office Floor ---- 100 psf.

WIND: Per IBC 2015, latest edition, nominal ULT 115 mph Importance

(1) - 1.0exposure - B.

CONCRETE: All concrete shall be minimum 3500 psi at 28 days except footing and wall shall be fc'=3000 psi. All exposed concrete shall be air entrained 6 percent $\pm 1/2$ 1%. Slump 4 $\pm 1/2$ 1 All structural concrete has been designed by the Ultimate Strength method and in accordance with the provisions of the latest ACI Code.

SOIL VALUE: Soil bearing value assumed to be 2500 psf for footings founded on firm natural soil or compacted structural fill as per the Project or equal shall conform at ASTM A446. Only equivalent size, strength, area, Geo-Technical Engineer and shall be field verified by a Professional soil Engineer. Geo-Tech report is part of construction document which shall be followed for the foundation construction of this project.

LINTELS: The contractor shall provide lintels of loose steel angles at all masonry openings for each 4 inch thickness of wall as follows, U.N.O.: Up to 4 feet openings --- L 3-1/2 x 3-1/2 x 5/16Alternate Precast or masonry lintel 4"x8" for each 4" wall w/ 1#5 T&B. 4 feet to 6 feet openings --- L 5x3-1/2x5/166 feet to 8'-0" openings --- L 6x3-1/2x1/2"

CONCRETE PROTECTION FOR REINFORCEMENT: Reinforcing bars and mesh support construction loads. all construction shall be in accordance with to have minimum concrete cover as follows: Concrete poured against earth - 3 inch.

Grade beam 2" clear ea side and top

All lintels shall bear minimum 6" each end

STRUCTURAL STEEL: Structural steel shall conform to the requirements of signed and sealed by the Registered Professional Engineer in Maryland. the latest Edition of the AISC Manual of Steel Construction. Steel shall conform to ASTMA 572, grade 50. Unless otherwise noted, all shop connections are to be welded and all field connections to be made with A325 high— strength bolts. High strength bolts shall be tightened by the turn-of nut method. Welding shall be in accordance with the American Welding Society code and be performed by certified welders. Welding electrodes shall conform to ASTM A233, E70 Series. No fabrication shall proceed prior to approval shop drawings. One shop coat of paint shall be Contractor shall check and verify all the existing conditions and dimensions applied to all structural members except those areas requiring field welding. prior and during construction and notify any discrepancy to the architect. Provide base plate 6"X1/2"X0'-6" at all steel beams bearing on concrete Contractor shall be responsible for the correct fit of all structural members wall with 2-1/2" diameter X 1'-4" anchor bolts. Weld beam to plate.

REINFORCING STEEL: All reinforcing steel to conform to ASTM A-615, INSPECTION: All structural steel framing decking, Lt. gage structural Grade 60, Welded wire mesh to conform to ASTM A-185. Fabricate and provide standard supporting accessories in accordance with the ACI Manual approved by a Registered Professional Engineer in Maryland. Final report of Standard Practice for detailing and CRSI Standards.

See load sched on S071

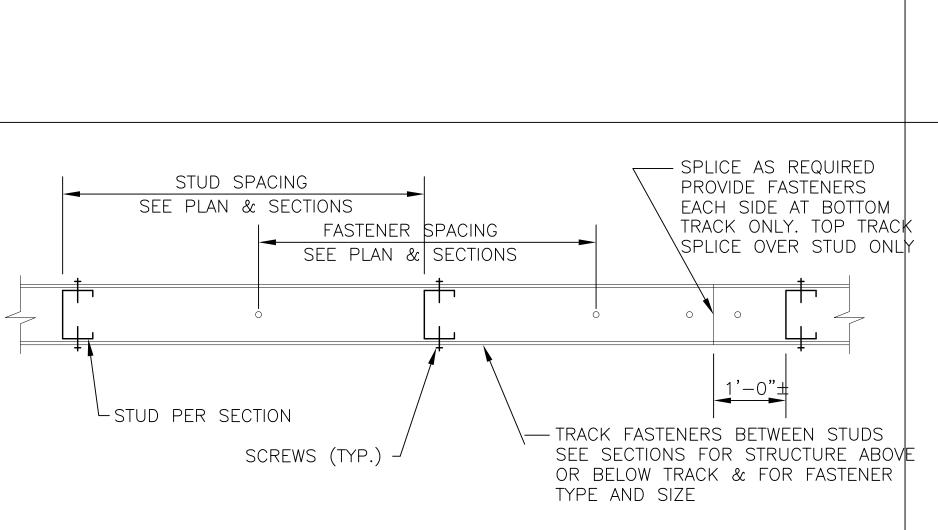
16 GAGE CLIPS W/2 SCREWS

8'-1" TO 10 feet openings -- W8x18 W/ 5/16" sus. plate

Slab in grade, cover gravel

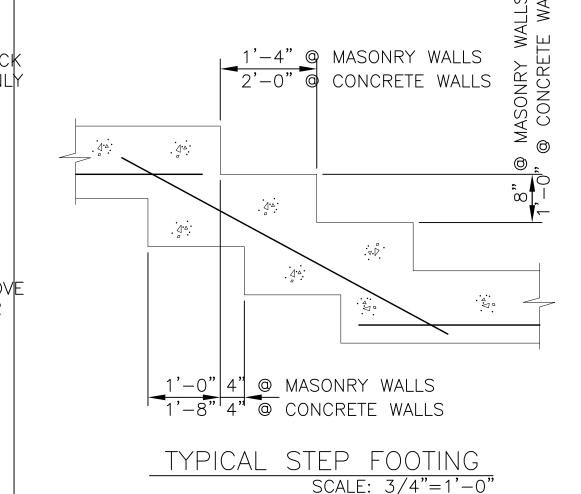
3" from bottom

Concrete wall 2" exterior face 1" interior face.



TYPICAL TRACK CONNECTION TO STUD DETAIL

NO SCALE



-TRACK PER SECTIONS

TYPICAL TRACK TO STUD

NO SCALE

A-A

ALTERNATE DETAIL BACK TO BACK DOUBLE

STUD CONNECTION AT INTERIOR STUD WALL

NOTE: USE FLAT STRAP CONNECTION

TYPICALLLY AT ALL DOUBLE & TRIPLE

STUDS AT FIRST & SECOND FLOORS.

CONNECTION DETAIL

2 SCREWS —

@ 24" O.C.

(3 SCREWS @

TRIPLE STUD)

- TWO SCREWS AT

AT EACH STUD

TO STUD & TRACK)

EACH SIDE OF TRACK

(ALT. 2"x4"x2 1/2" LONG

- C4x2 1/2x16 GAGE STUD

- 4"x4" FLAT STRAP

@ TRIPLE STUD)

(USE 4"x6" FLAT STRAP

← FULL HEIGHT

- #12 TEK SCREWS

@ 24" O.C.

JAMB STUDS

@ 24" O.C.

