

DESIGNED BY:
FACILITIES DESIGN
ARCHITECTS & ENGINEERS
FACILITIES MANAGEMENT DIVISION, NCDOT
1 S. WILMINGTON STREET
RALEIGH, NC 27601
PHONE: 919-707-4540



CONSULTANT:

TITLE SHEET

PROJECT TITLE:
Harkers Island Drawbridge
Tenders House
HIGHWAY DIVISION 2, NCDOT
CARTERET COUNTY, NORTH CAROLINA

ASSET NUMBER:
CO.# SITE.# BLDG.#

REVISIONS NO.	DATE

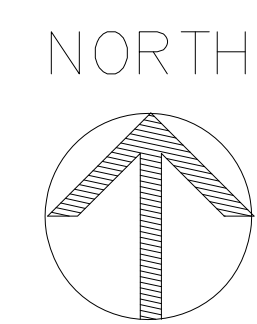
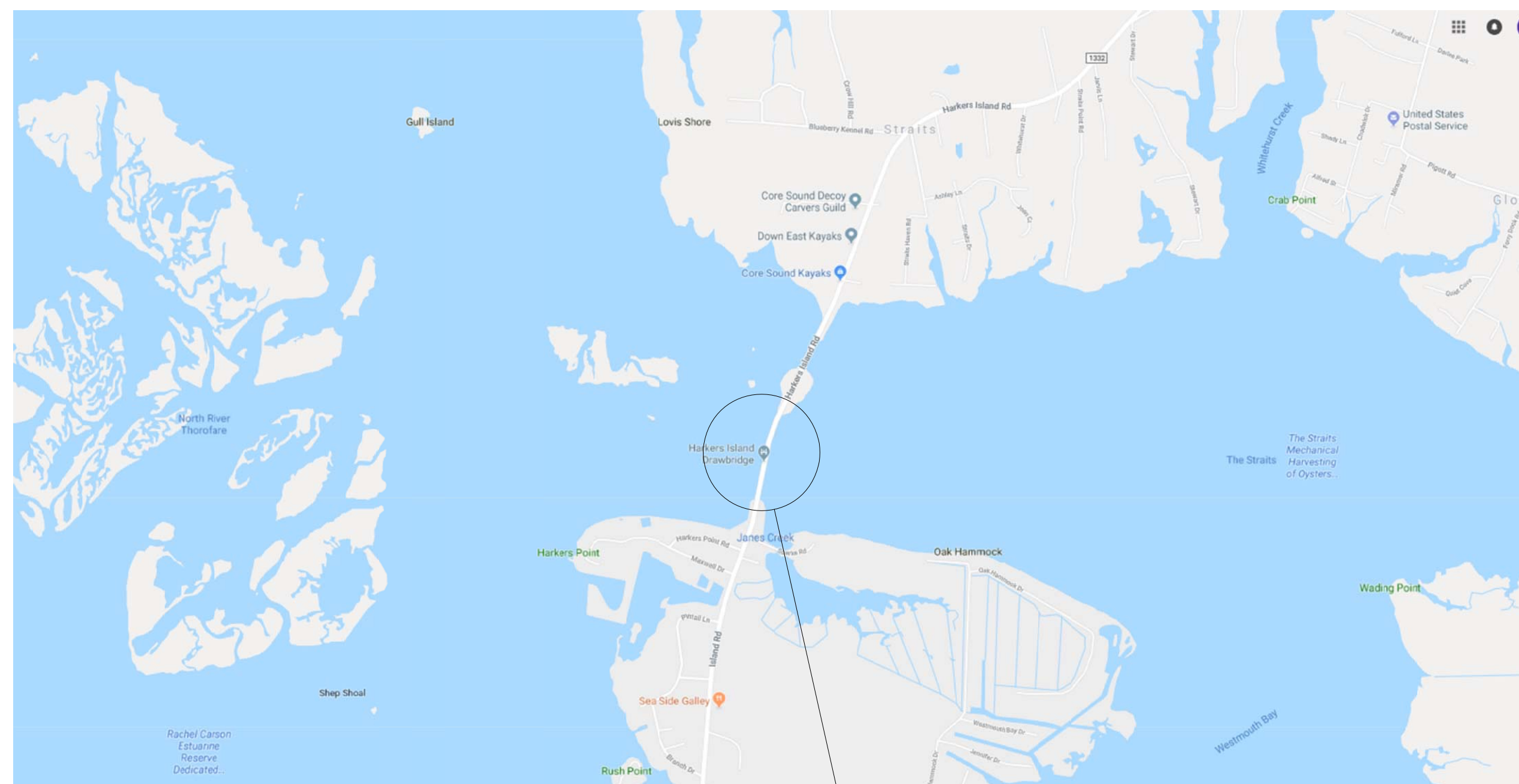
DATE ISSUED: 12/10/18
DRAWN BY: DJV
CHECKED BY: DJV

SHEET NO.
C1

NC DEPARTMENT OF TRANSPORTATION HARKERS ISLAND DRAWBRIDGE TENDER HOUSE REPAIR / RENOVATION

101 Harkers Island Rd
Harkers Island, NC 28531

PROJECT LOCATION:



Harkers Island Drawbridge
101 Harkers Island Rd
Harkers Island, NC 28531

OWNER:

NC DEPT OF TRANSPORTATION
BRIDGE MAINTENANCE
255 S. GLENBURNIE ROAD
NEW BERN, NC 28580

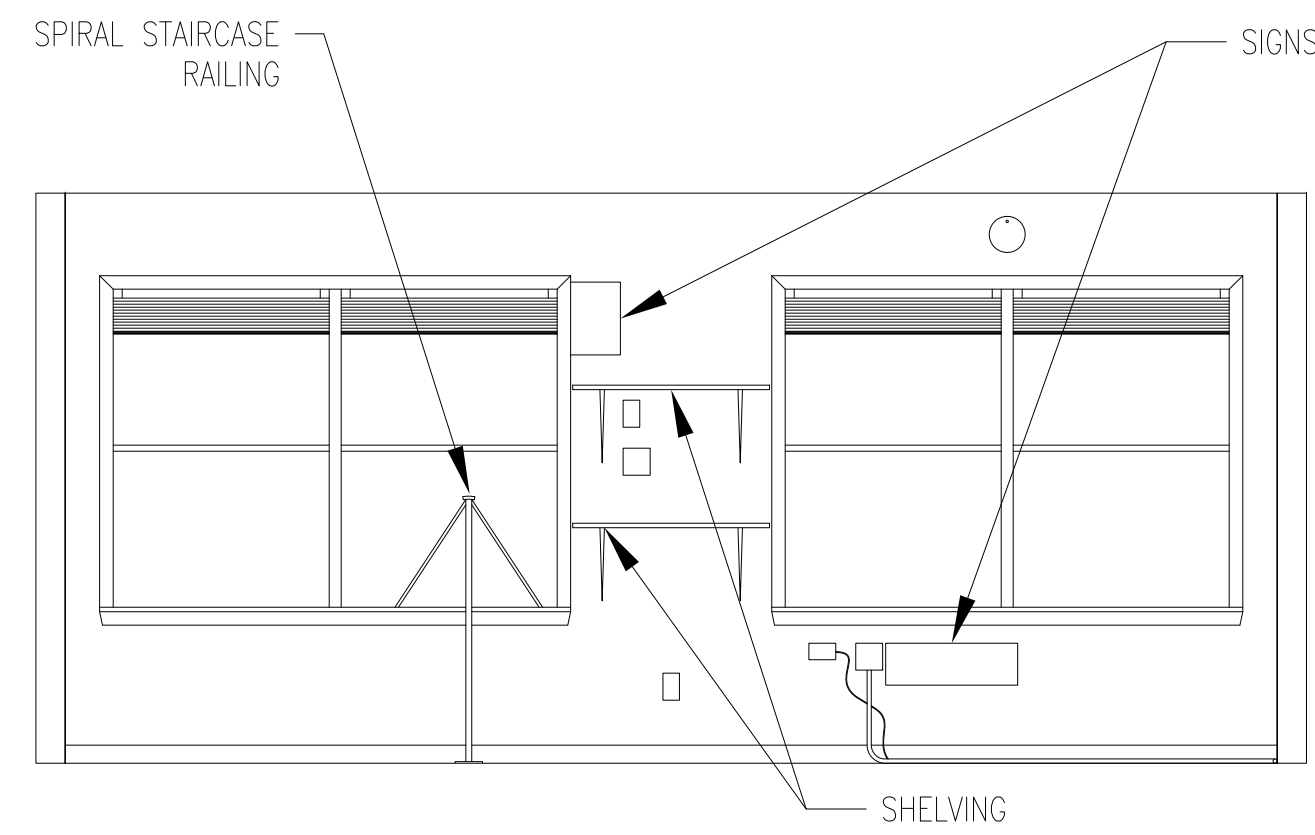
DESIGNER:

NC DEPT OF TRANSPORTATION
FACILITIES MANAGEMENT & DESIGN
1 S. WILMINGTON STREET
RALEIGH, NC 27601

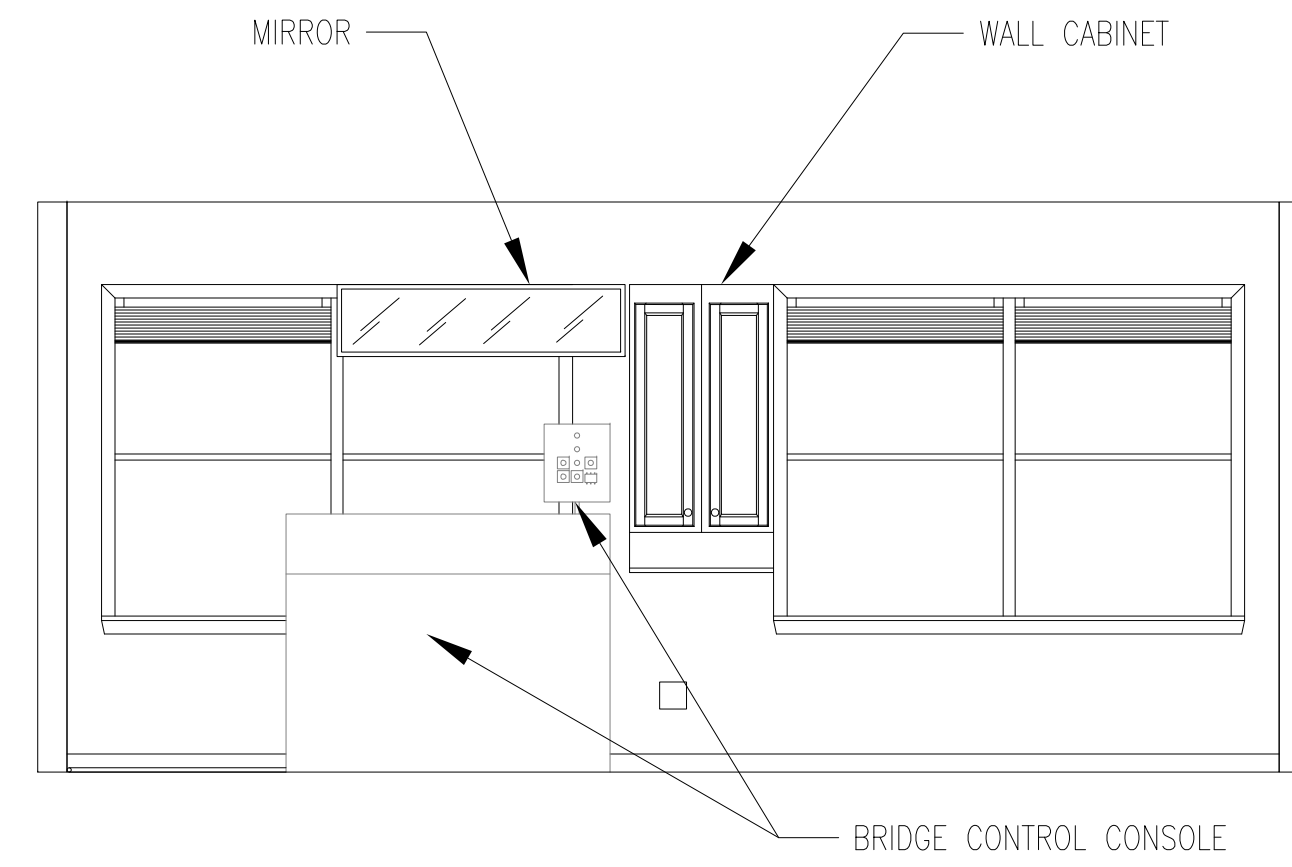
DAVID VAREL
919-707-4543
DVAREL@NCDOT.GOV

DRAWING INDEX:

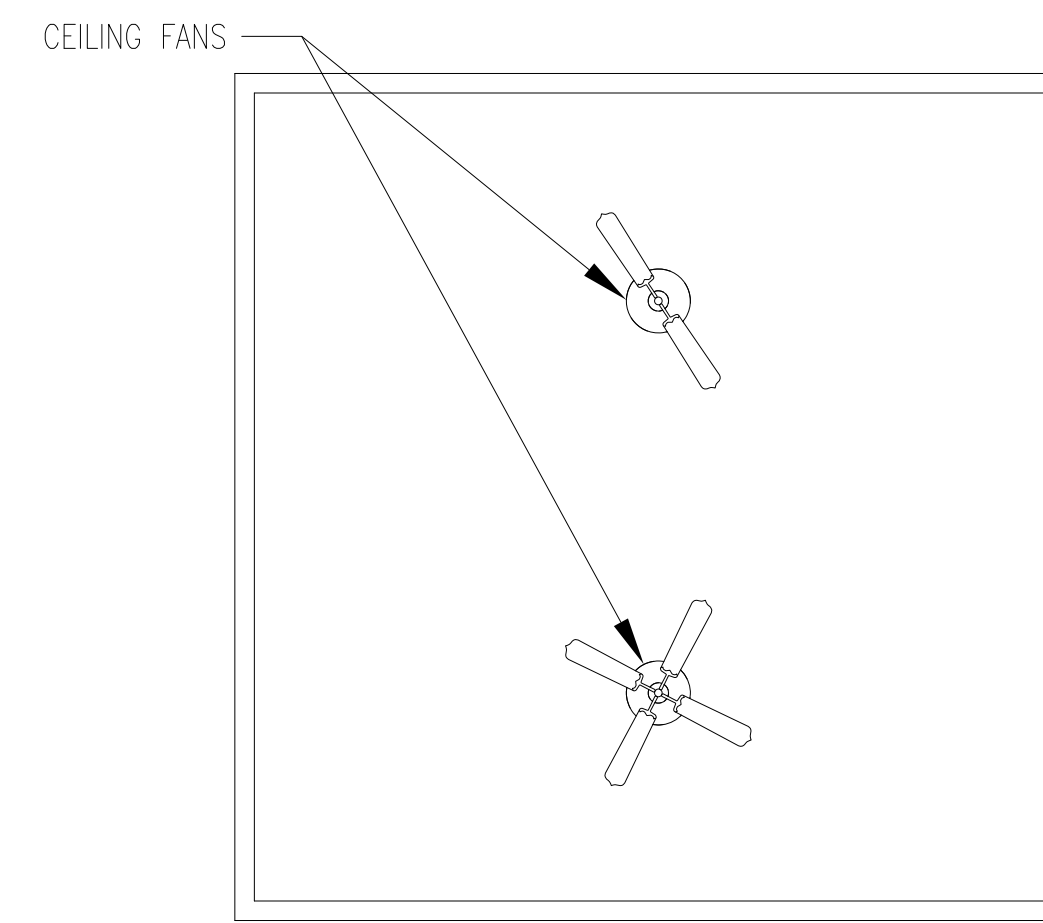
- C-1 COVER SHEET
- A-1 EXISTING CONDITIONS
- A-2 SELECTIVE DEMOLITION
- A-3 NEW WORK
- A-4 EXTERIOR PLANS & DETAILS
- A-5 ROOFING & SIDING
- E-1 ELECTRICAL & PLAN DETAILS
- P-1 PLUMBING & PLAN DETAILS



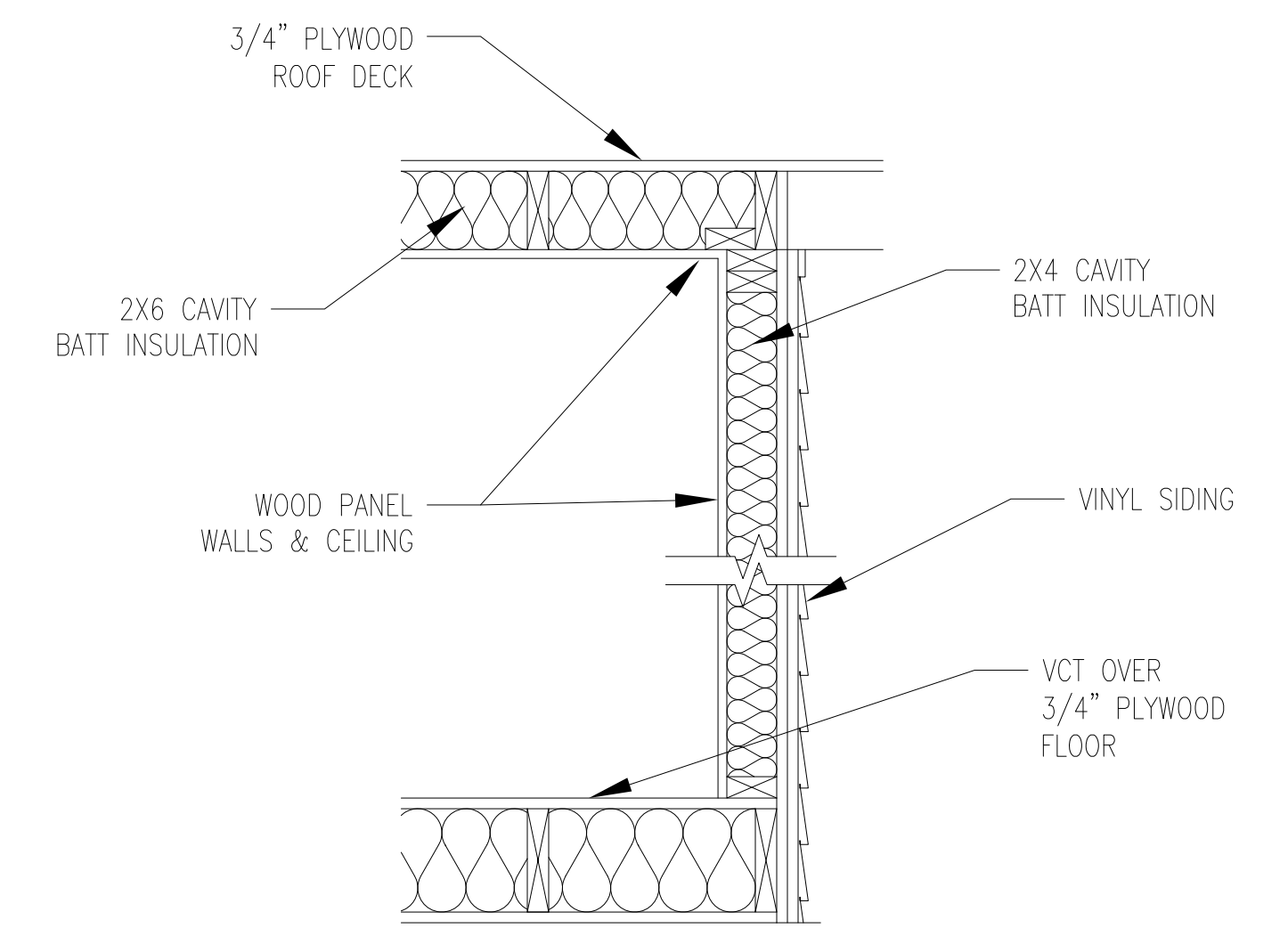
W
A1 W WALL INTERIOR EXISTING 2ND FLOOR
SCALE: 3/8" = 1'-0"



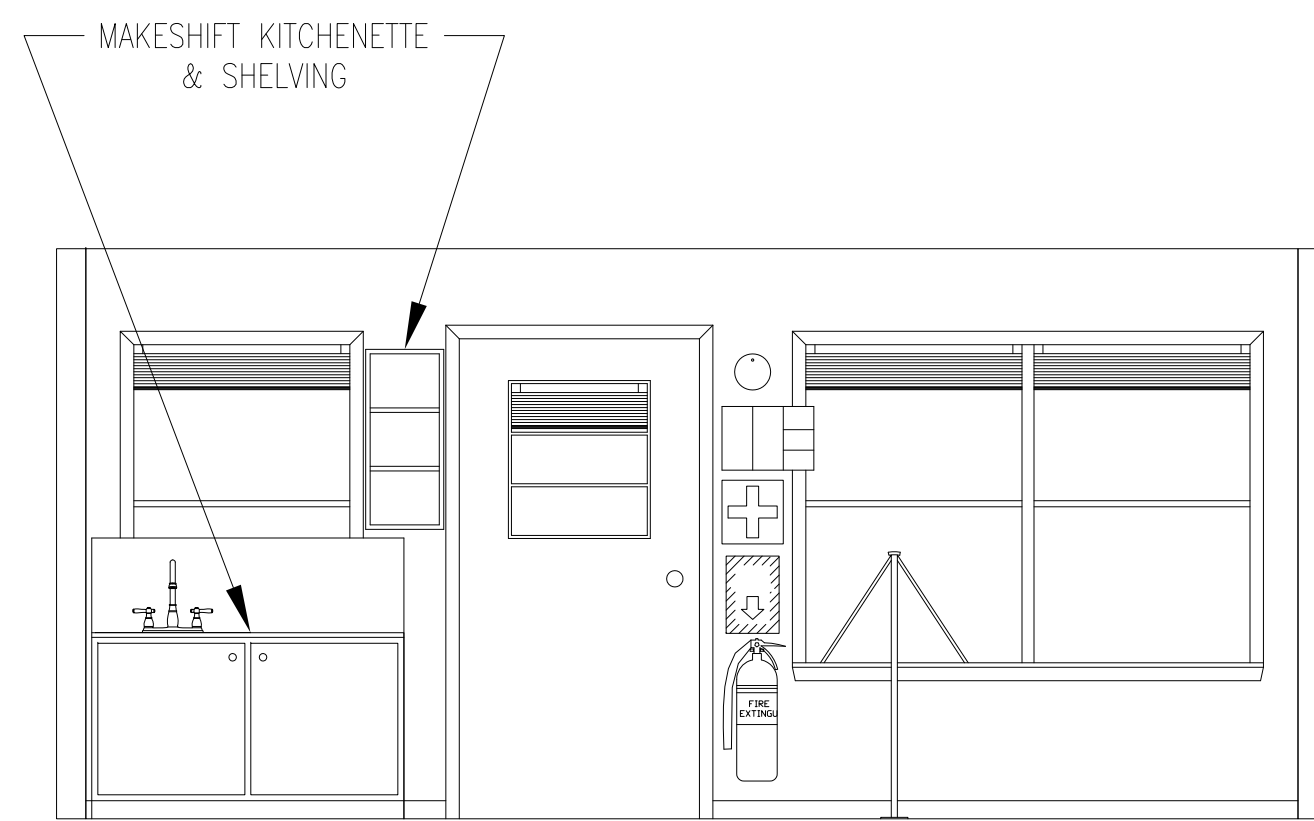
N
A1 N WALL INTERIOR EXISTING 2ND FLOOR
SCALE: 3/8" = 1'-0"



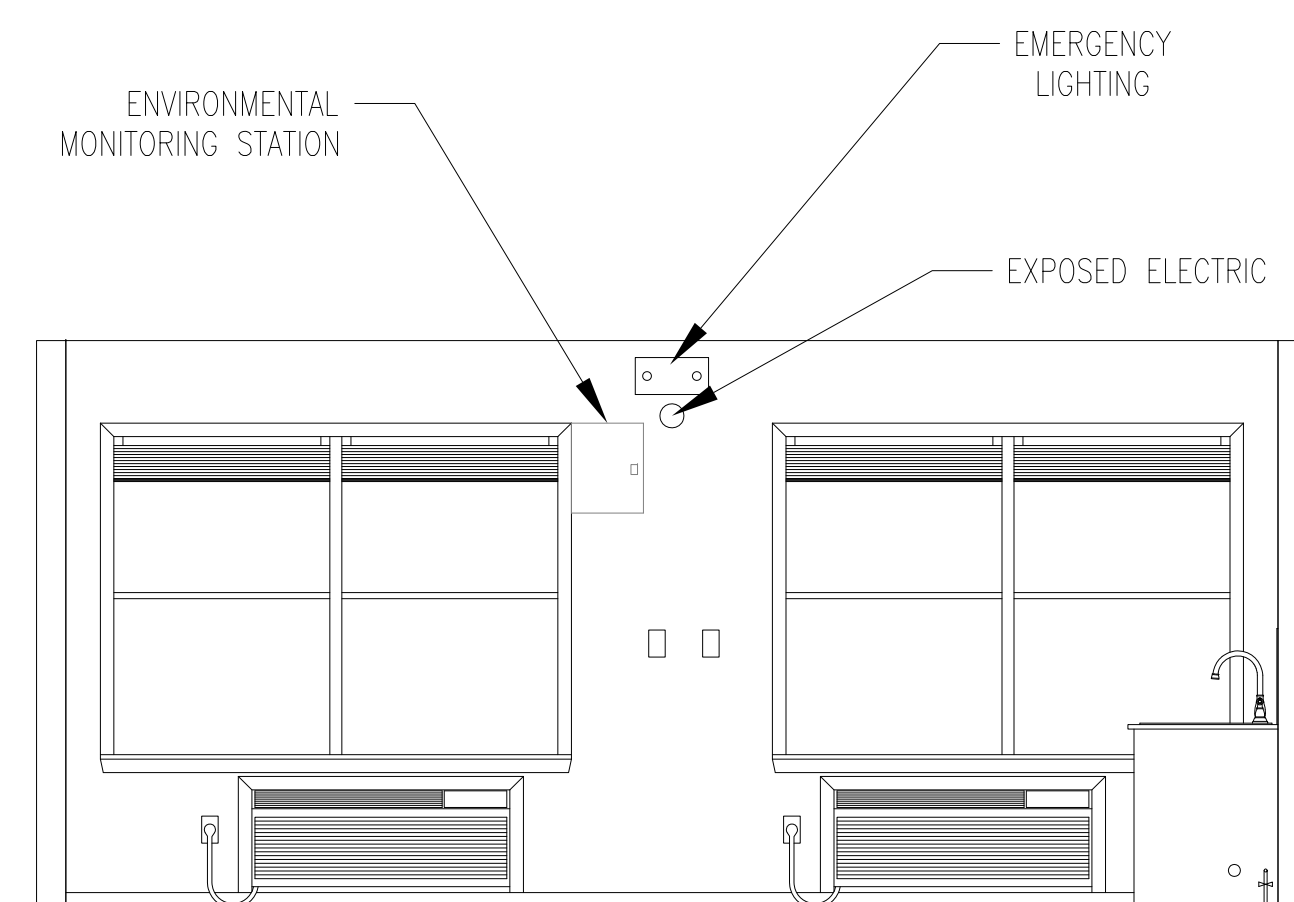
C
A1 EXISTING REFLECTED CEILING 2ND FLOOR
SCALE: 1/4" = 1'-0"



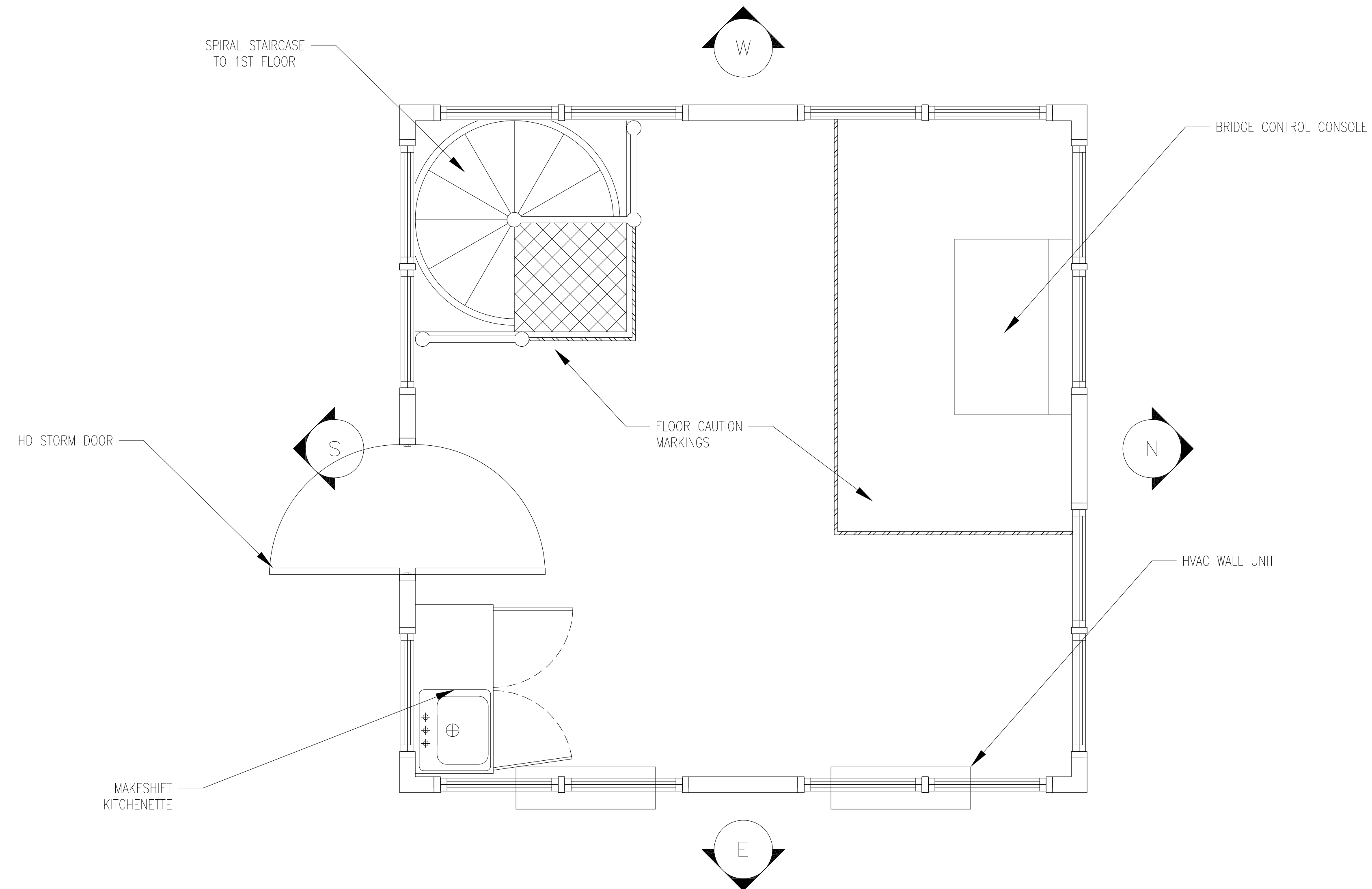
X
A1 WALL-FLOOR-CEILING CROSS-SECT 2ND FL
SCALE: 1" = 1'-0"



S
A1 S WALL INTERIOR EXISTING 2ND FLOOR
SCALE: 3/8" = 1'-0"

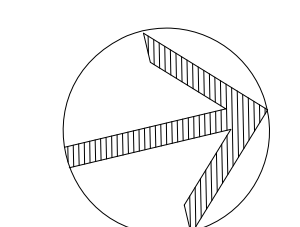


E
A1 E WALL INTERIOR EXISTING 2ND FLOOR
SCALE: 3/8" = 1'-0"



2
A1 EXISTING 2ND FLOOR PLAN
SCALE: 1/2" = 1'-0"

PLAN NORTH



CONSTRUCTION DOCUMENTS
DESIGNED BY:
FACILITIES DESIGN ARCHITECTS & ENGINEERS
FACILITIES MANAGEMENT DIVISION, NCDOT
1 SOUTH WILMINGTON STREET
WILMINGTON, NC 27601
PHONE: 919-707-4540

CONSULTANT:
STATE OF NORTH CAROLINA • NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DRAWING TITLE / DESCRIPTION:
EXISTING CONDITIONS

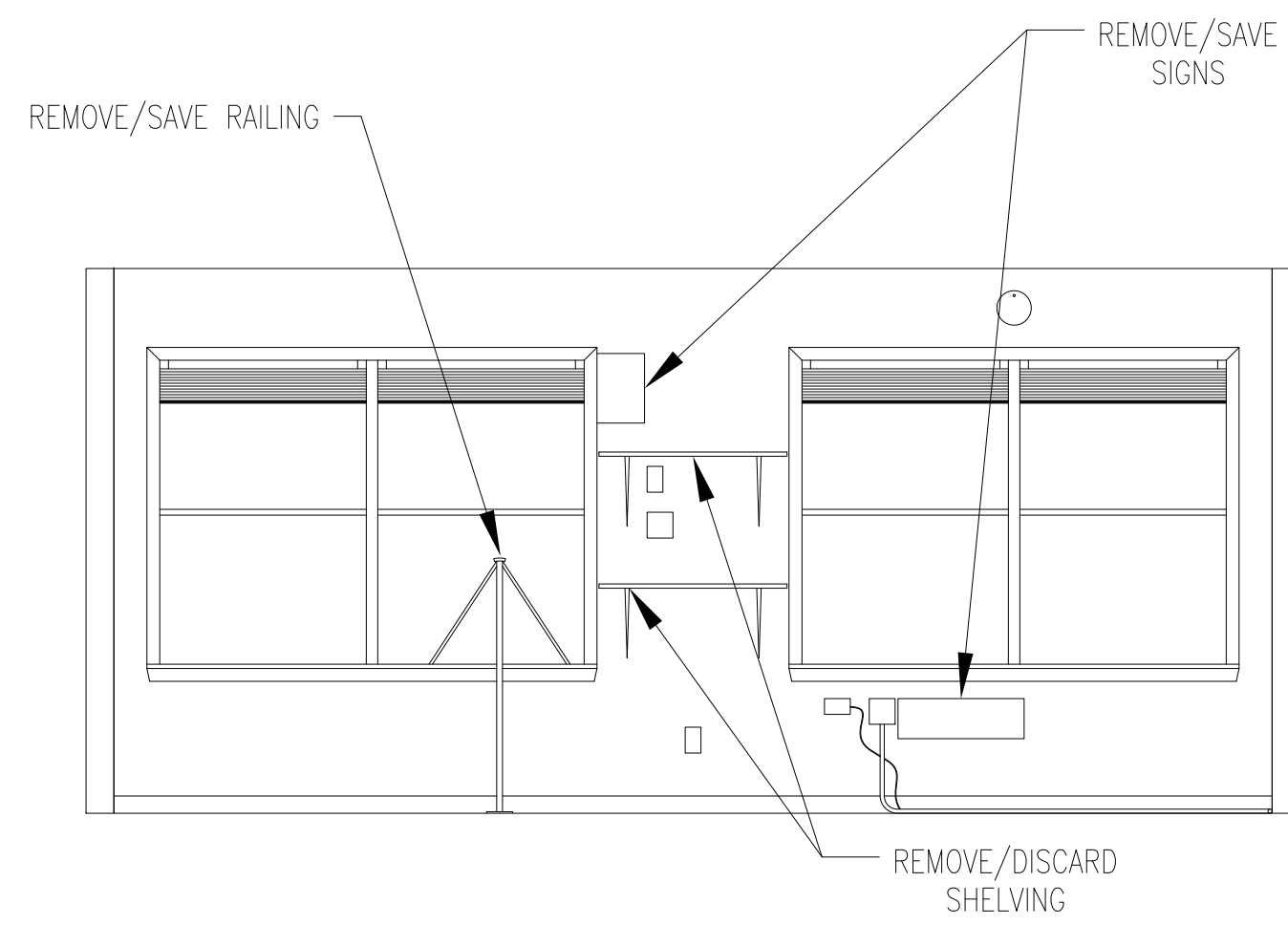
PROJECT TITLE:
Harkers Island Drawbridge
Tenders House
HIGHWAY DIVISION 2, NCDOT
CARTERET COUNTY, NORTH CAROLINA

ASSET NUMBER:
CO.# SITE.# BLDG.#

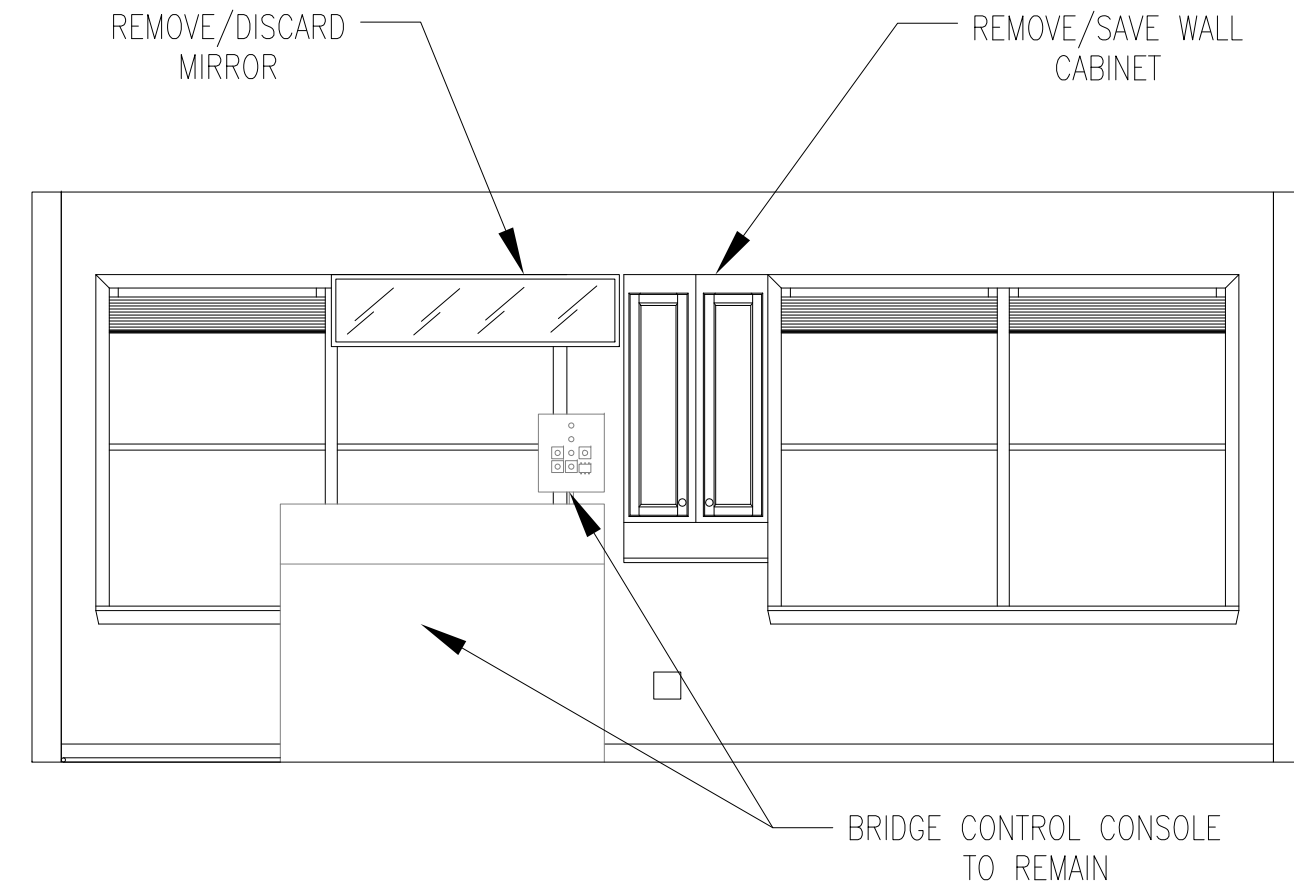
REVISIONS NO.	DATE

DATE ISSUED: 12/10/18
DRAWN BY: DJW
CHECKED BY: DJW

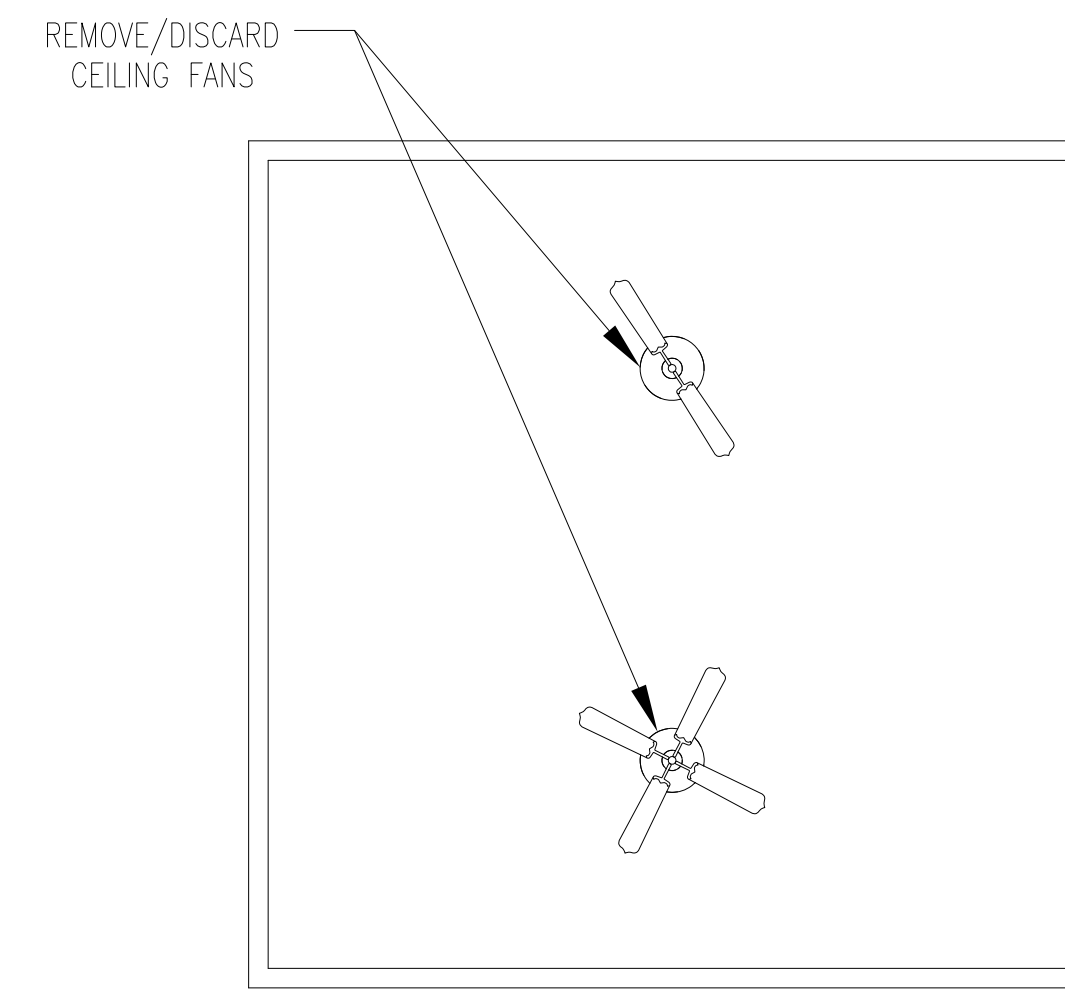
SHEET NO.
A1



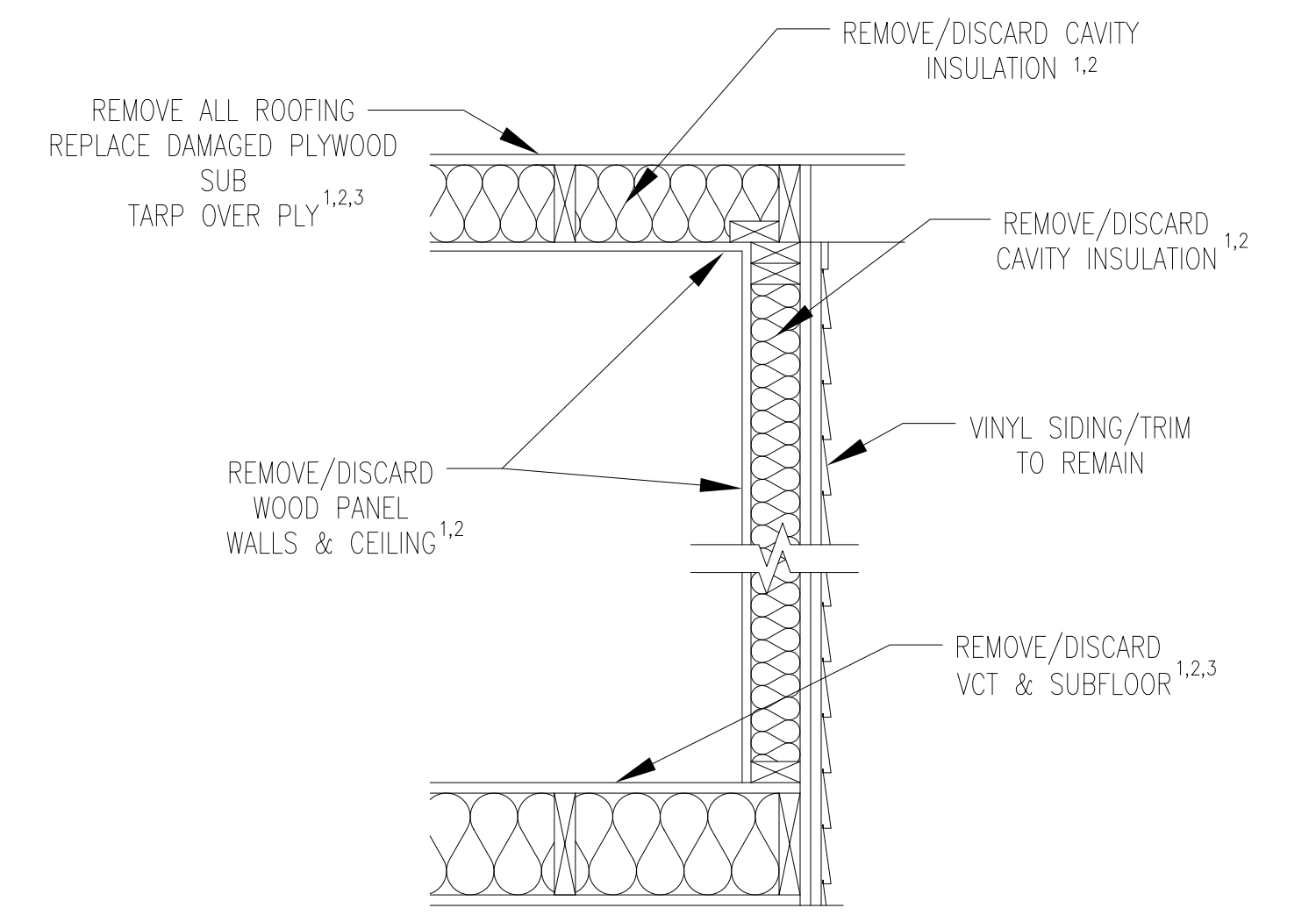
W
A2 W ELEVATION DEMO 2ND FLOOR
SCALE: 3/8" = 1'-0"



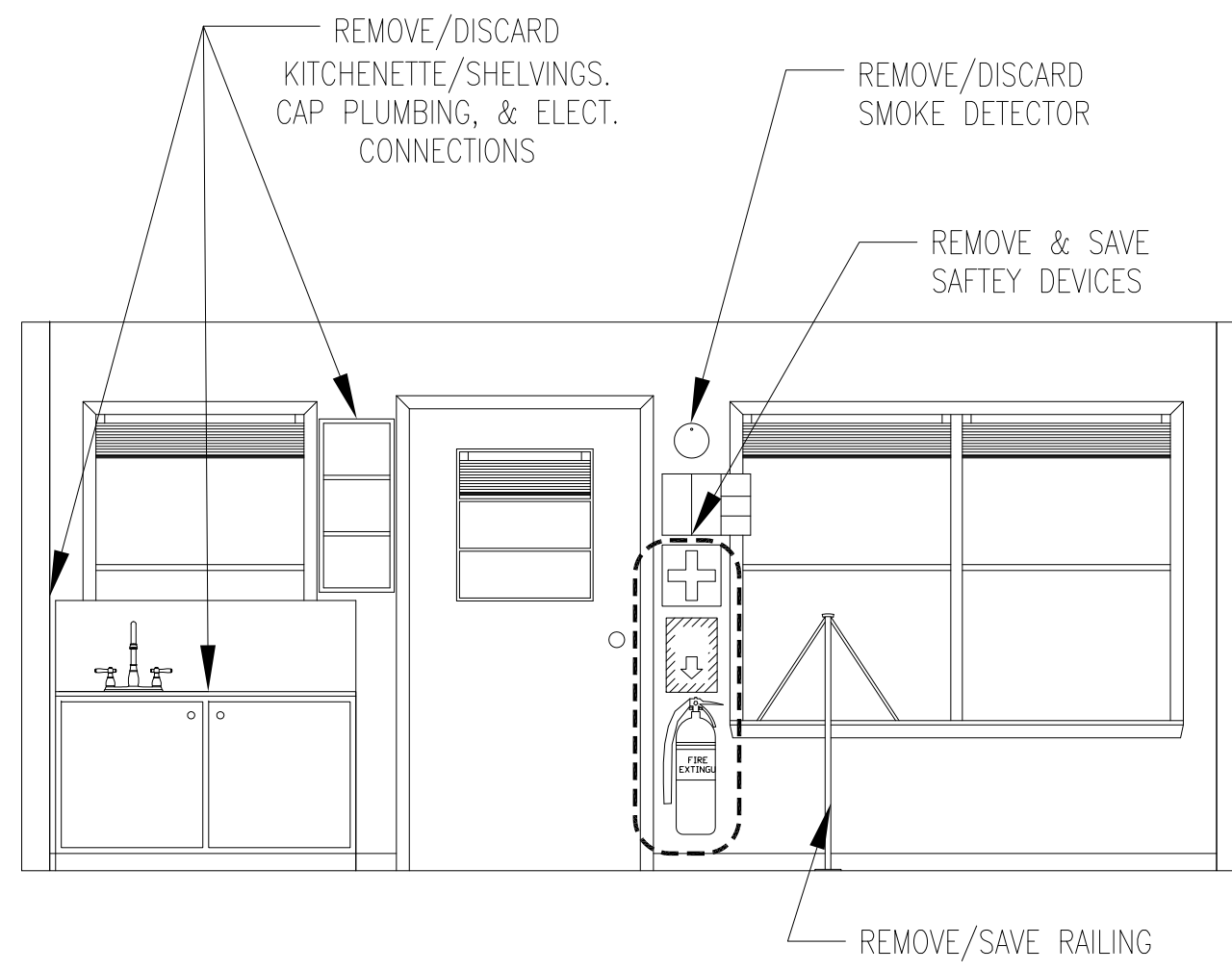
N
A2 N ELEVATION DEMO 2ND FLOOR
SCALE: 3/8" = 1'-0"



C
A2 CEILING DEMO 2ND FLOOR
SCALE: 1/4" = 1'-0"



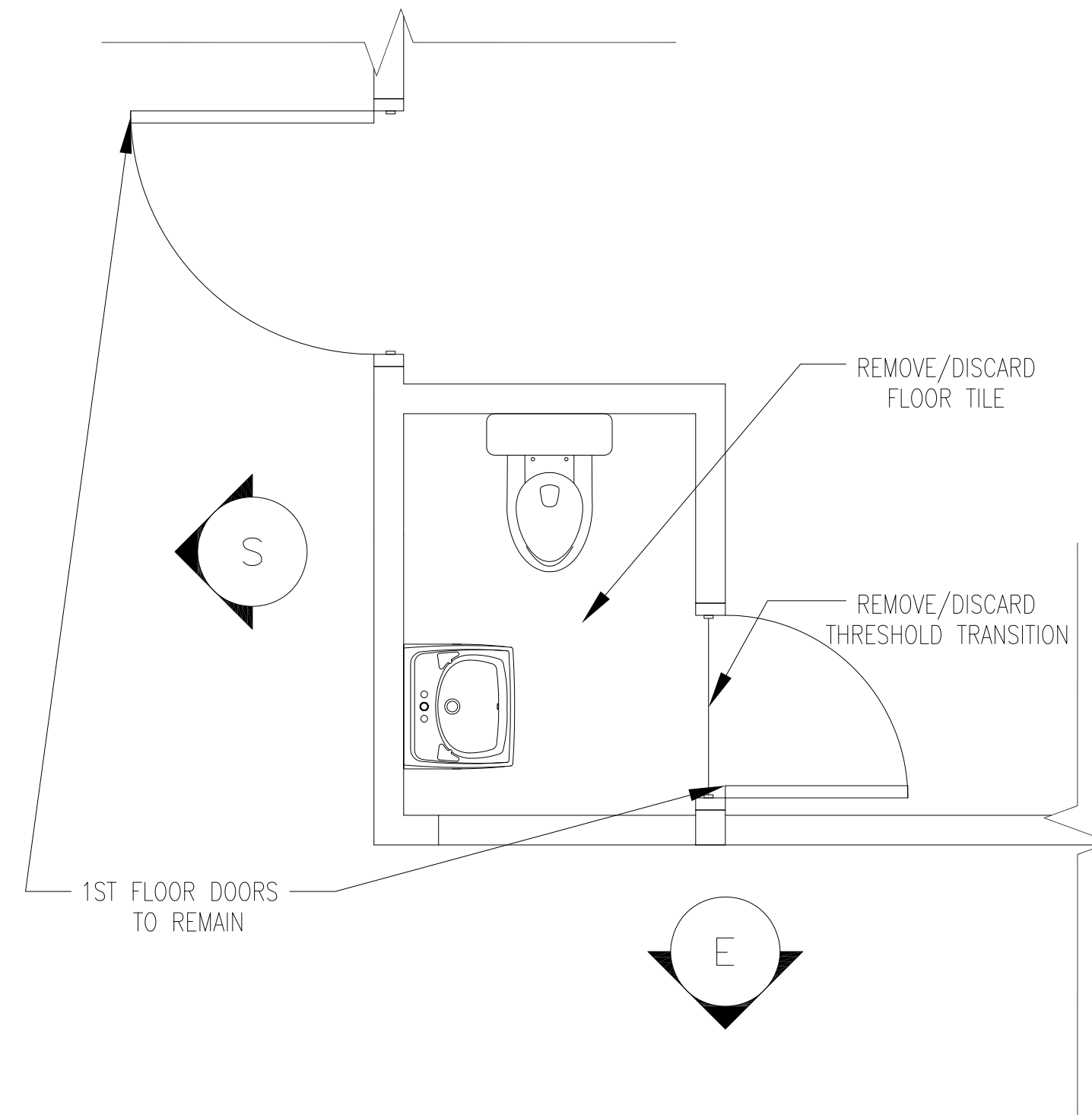
X
A2 WALL / FLOOR / CEILING CROSS-SECT DEMO
SCALE: 1" = 1'-0"



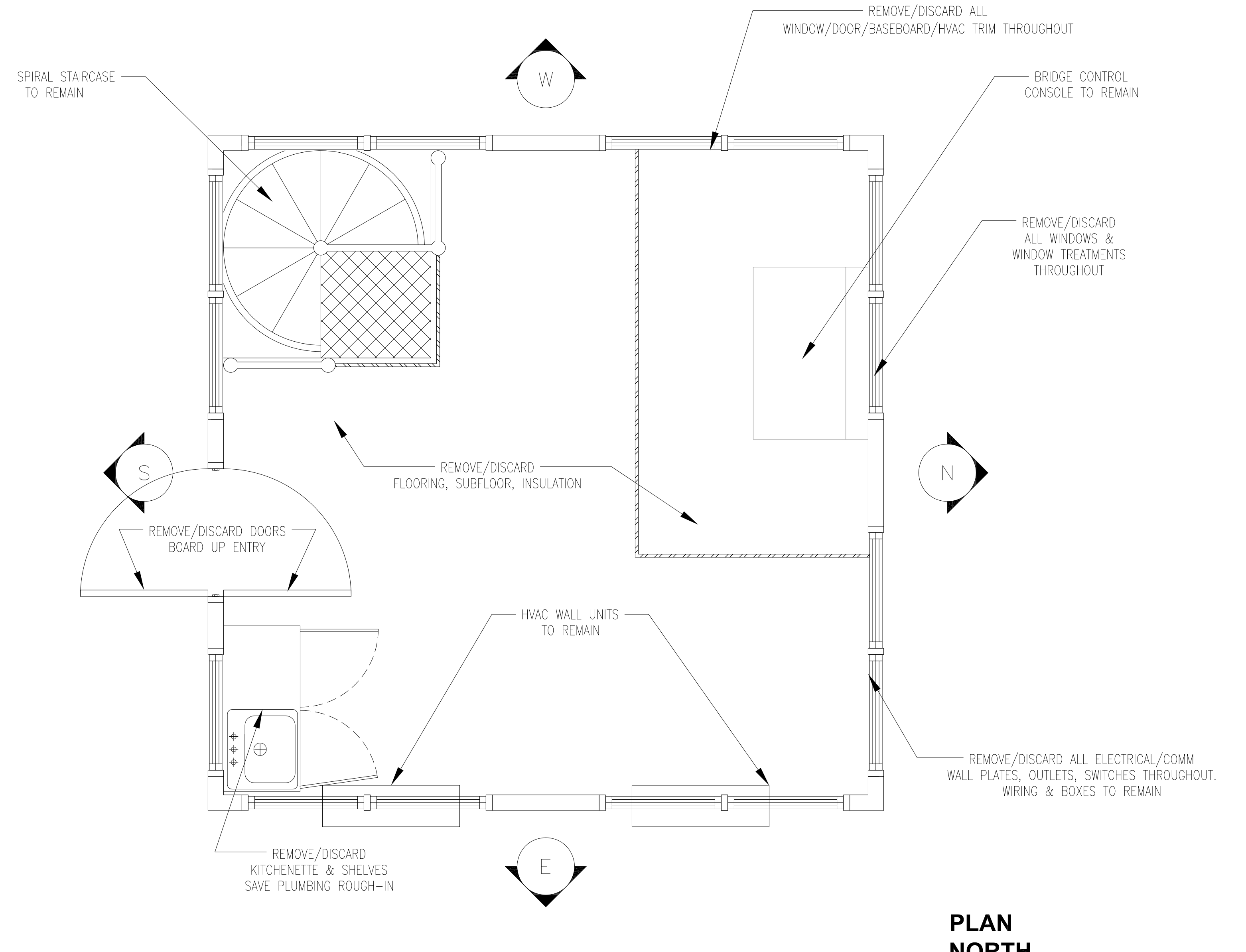
S
A2 S ELEVATION DEMO 2ND FLOOR
SCALE: 3/8" = 1'-0"

NOTES:

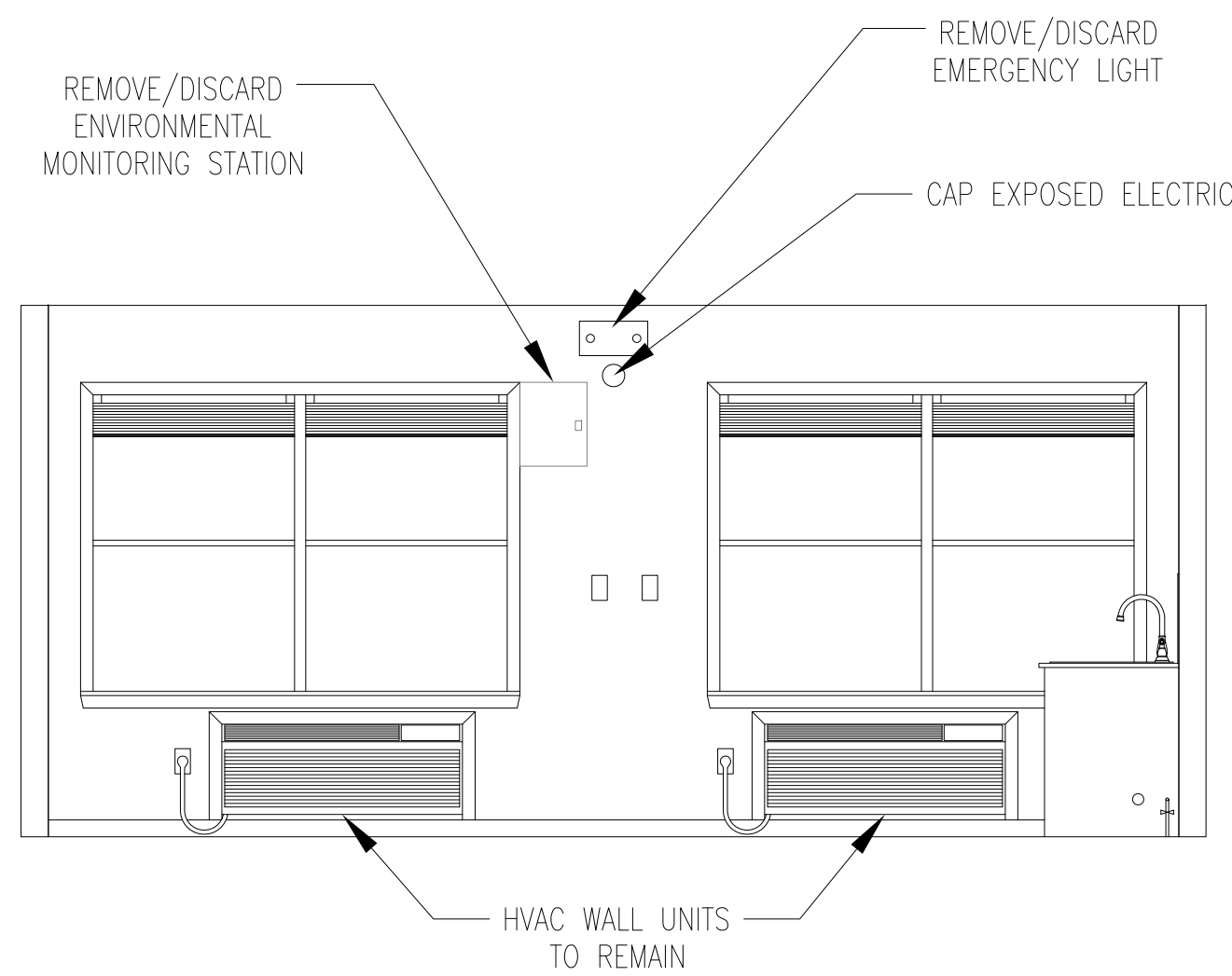
1. ALL WALLS, FLOOR, CEILINGS TO BE DRIED TO WITHIN NORMAL MATERIAL MOISTURE LIMITS
2. ALL MOLD/MILDEW TO BE REMEDIATED BY APPROVED MEANS
3. ALL ASBESTOS TO BE ABATED



1
A2 FLOOR PLAN DEMO 1ST FLOOR
SCALE: 1/2" = 1'-0"

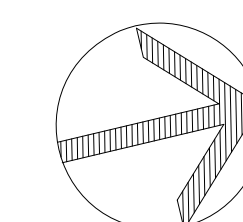


2
A2 FLOOR PLAN DEMO 2ND FLOOR
SCALE: 1/2" = 1'-0"



E
A2 E ELEVATION DEMO 2ND FLOOR
SCALE: 3/8" = 1'-0"

PLAN NORTH



CONSULTANT:

SELECTIVE DEMOLITION PLAN

DRAWING TITLE / DESCRIPTION:

PROJECT TITLE:
Harkers Island Drawbridge
Tenders House
HIGHWAY DIVISION 2, NCDOT
CARTERET COUNTY, NORTH CAROLINA

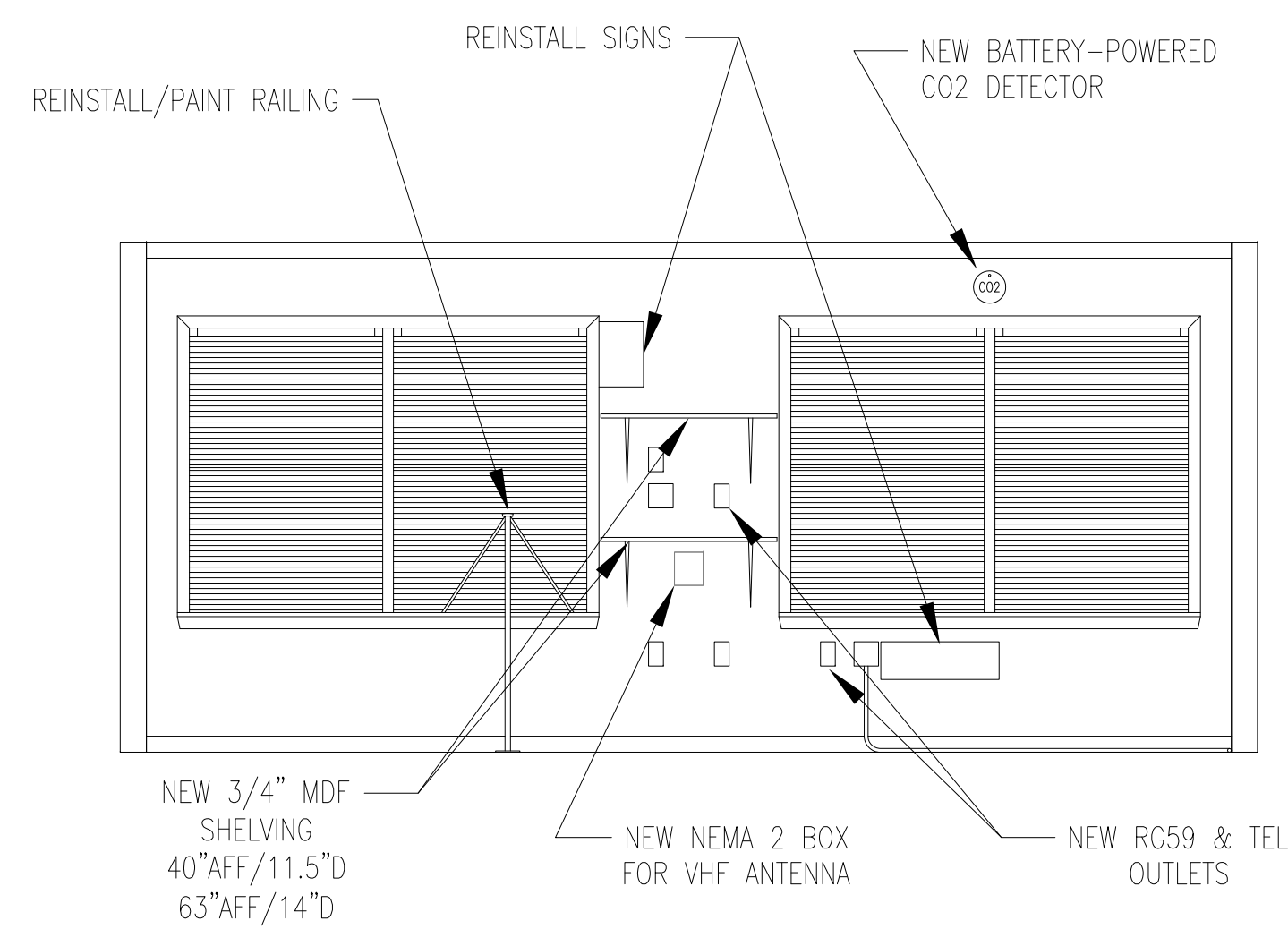
ASSET NUMBER:
CO.# SITE.# BLDG.#

REVISIONS NO. DATE

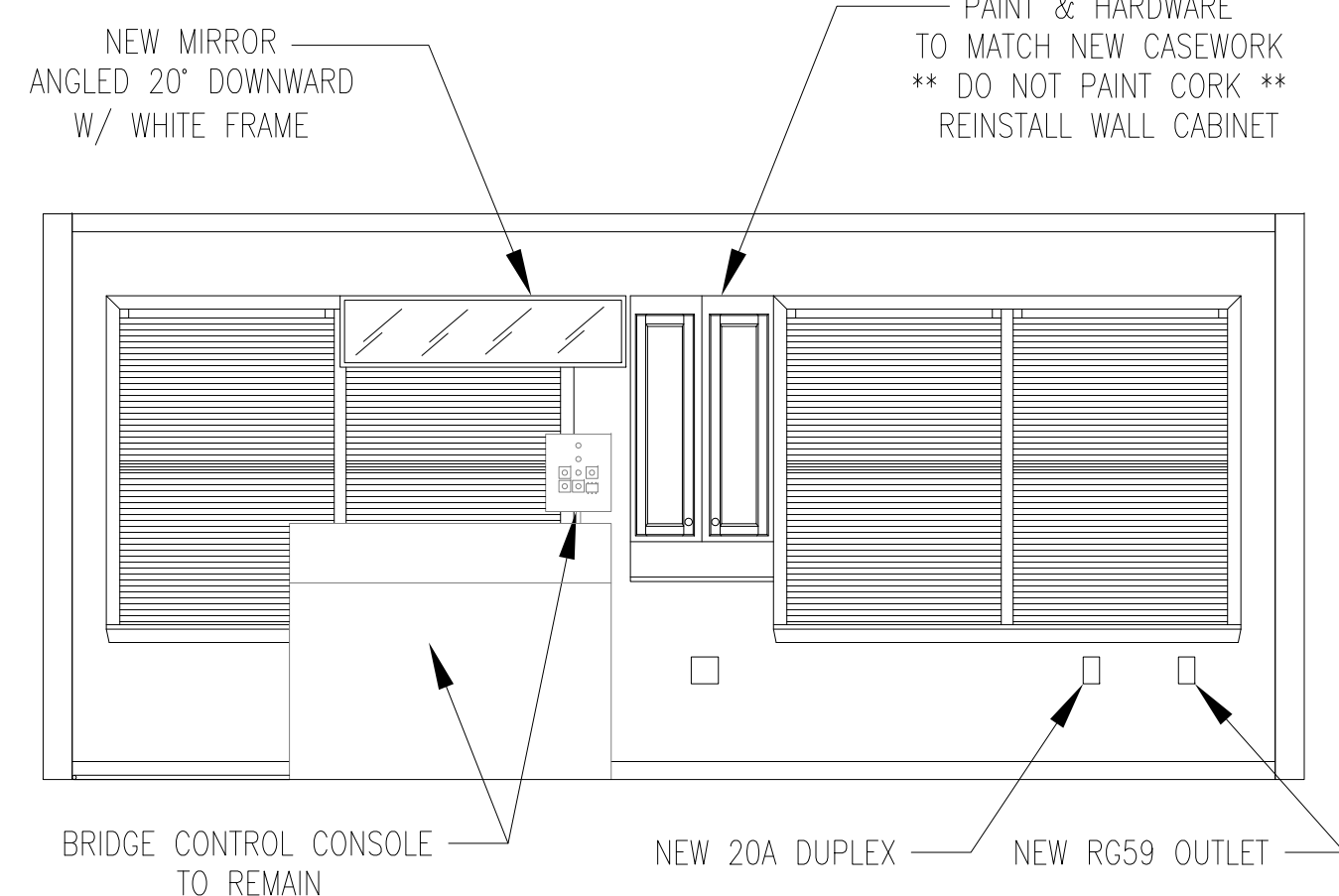
DATE ISSUED: 12/10/18
DRAWN BY: DJW
CHECKED BY: DJW

SHEET NO.

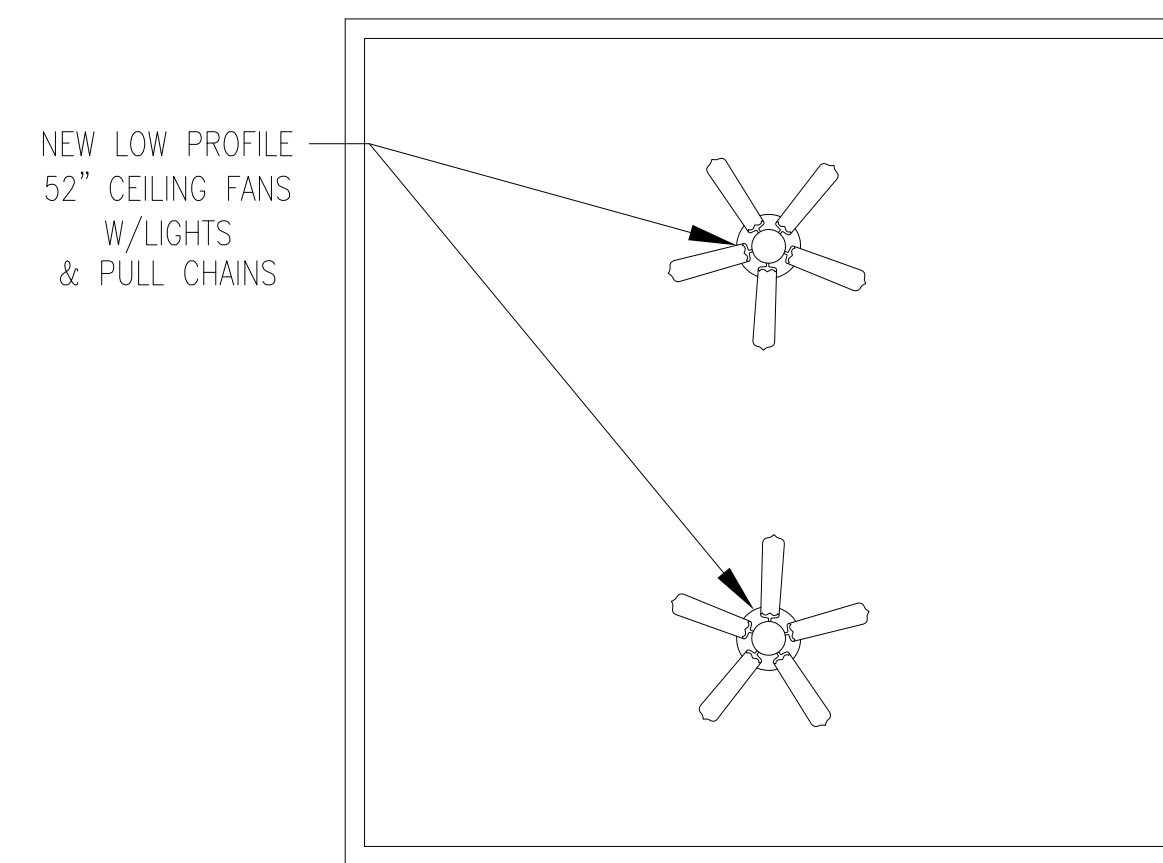
A2



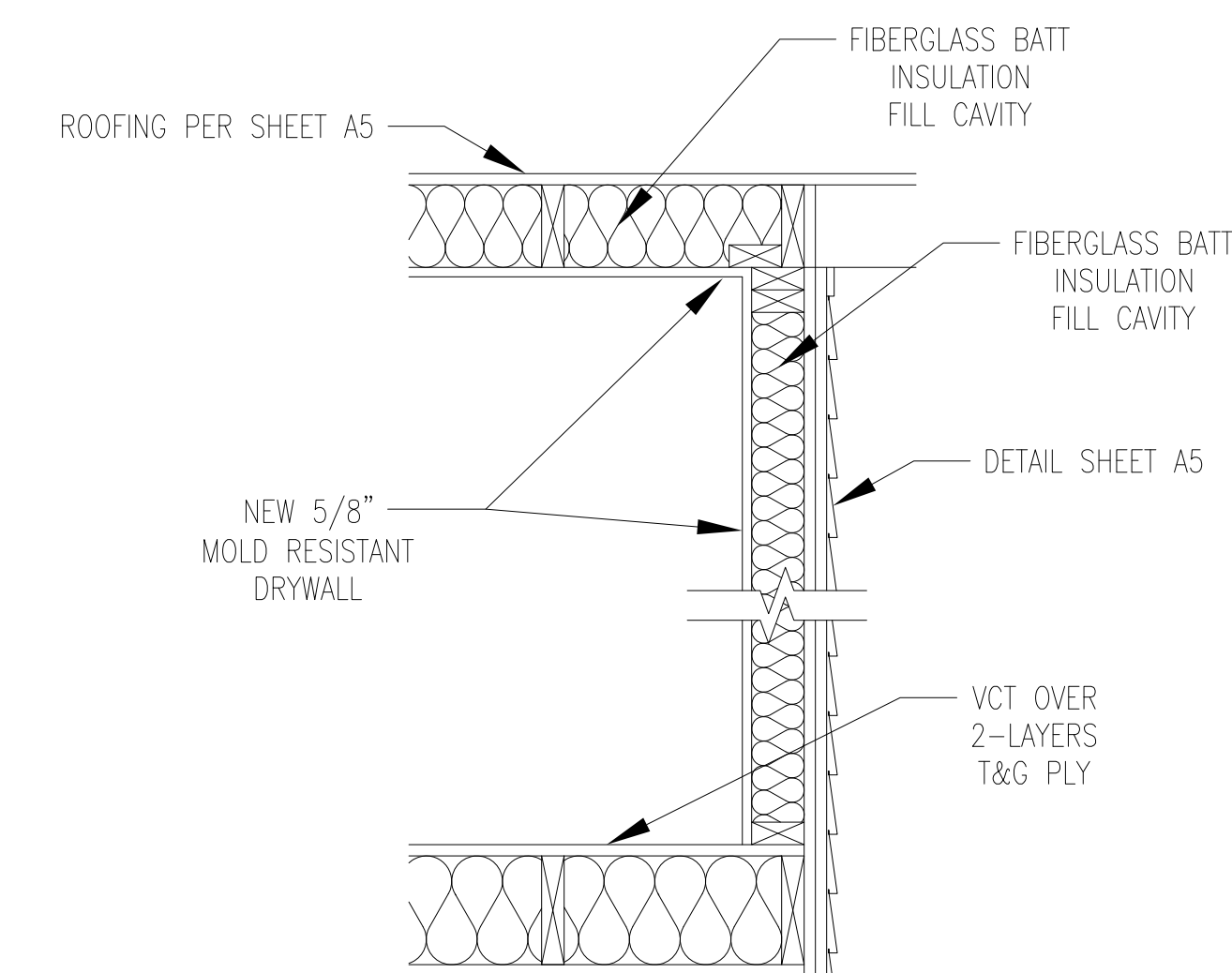
W ELEVATION NEW 2ND FLOOR
SCALE: 3/8" = 1'-0"



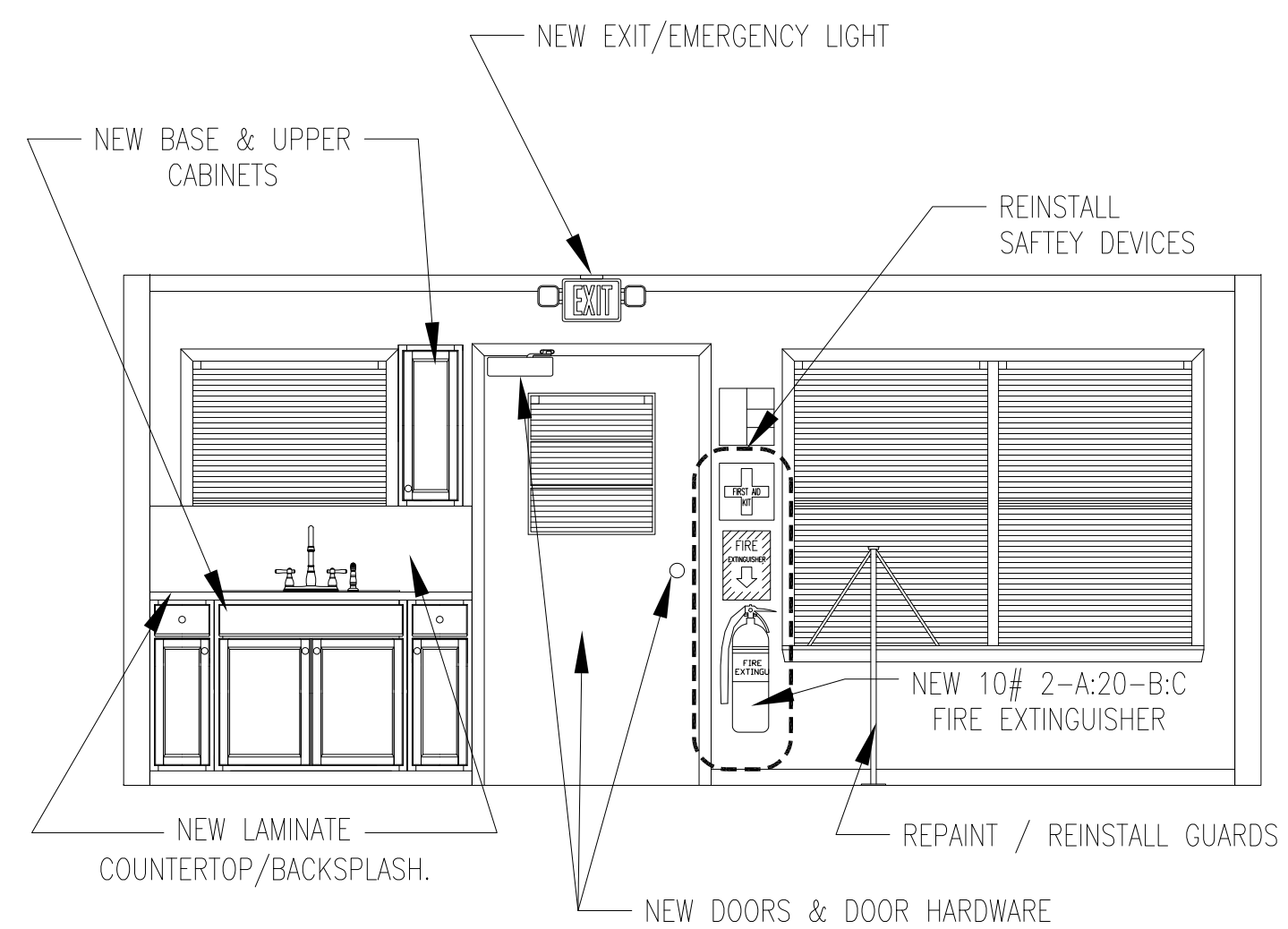
N WINDOW TREATMENTS 2ND FLOOR
SCALE: 3/8" = 1'-0"



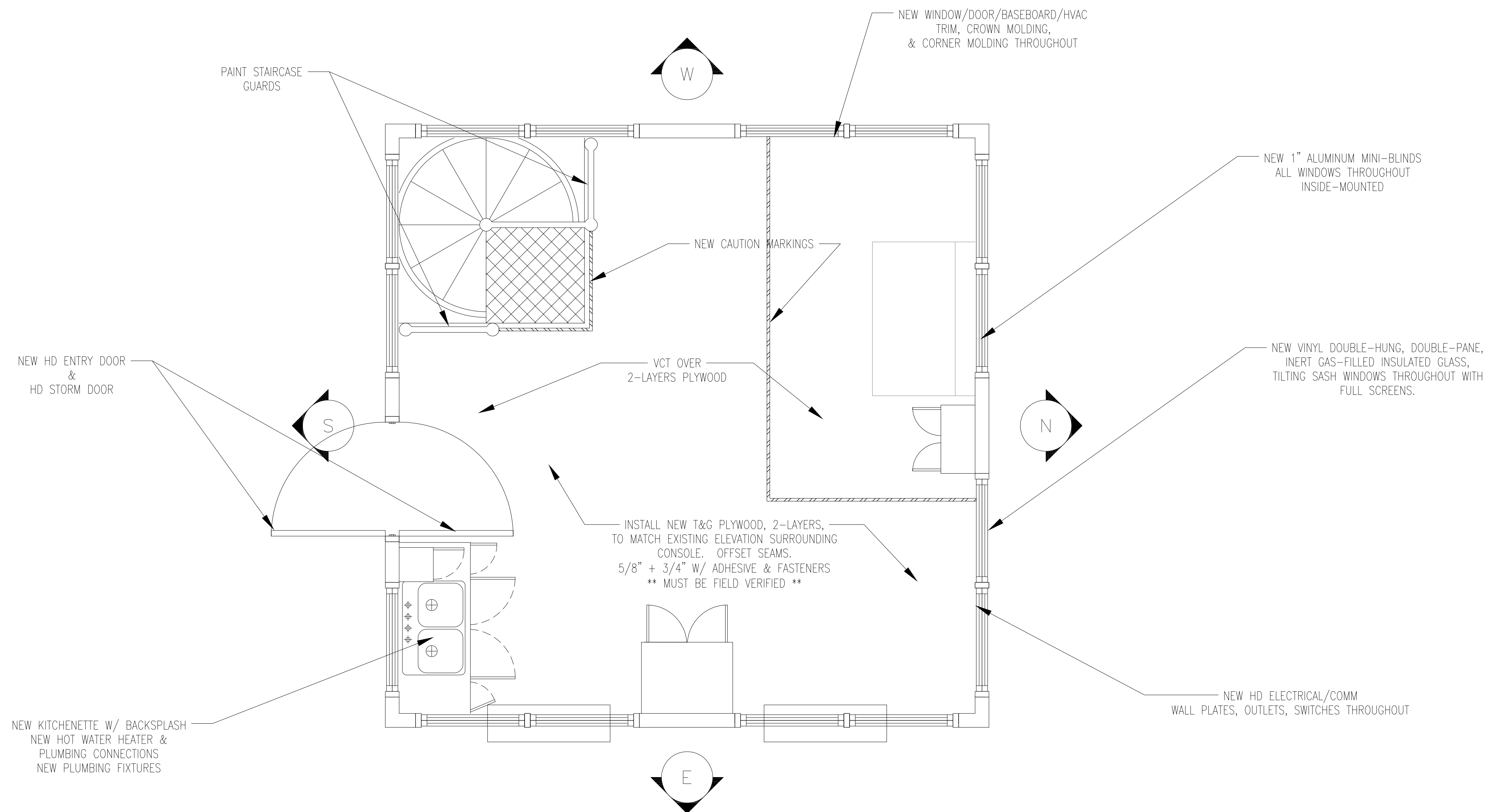
C CEILING NEW 2ND FLOOR
SCALE: 1/4" = 1'-0"



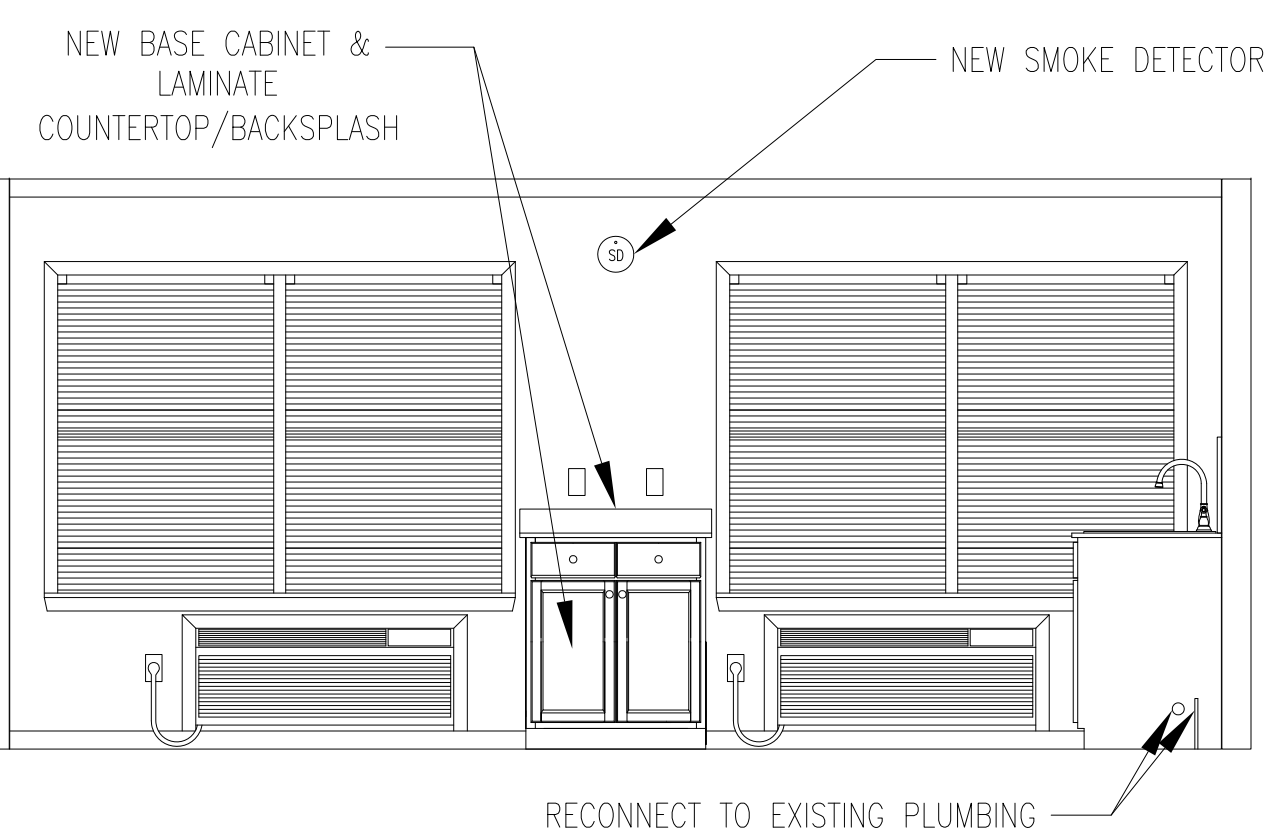
X WALL-FLOOR-CEILING CROSS-SECT NEW 2ND FL
SCALE: 1" = 1'-0"



S ELEVATION NEW 2ND FLOOR
SCALE: 3/8" = 1'-0"

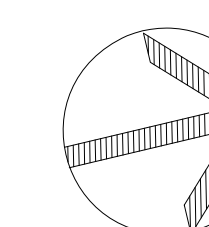


2 FLOOR PLAN NEW 2ND FLOOR
SCALE: 1/2" = 1'-0"



E ELEVATION NEW 2ND FLOOR
SCALE: 3/8" = 1'-0"

PLAN NORTH



CONSULTANT:

NEW WORK PLAN

PROJECT TITLE:
Harkers Island Drawbridge
Tenders House
HIGHWAY DIVISION 2, NCDOT
CARTERET COUNTY, NORTH CAROLINA

ASSET NUMBER:
CO.# SITE.# BLDG.#

REVISIONS
NO. DATE

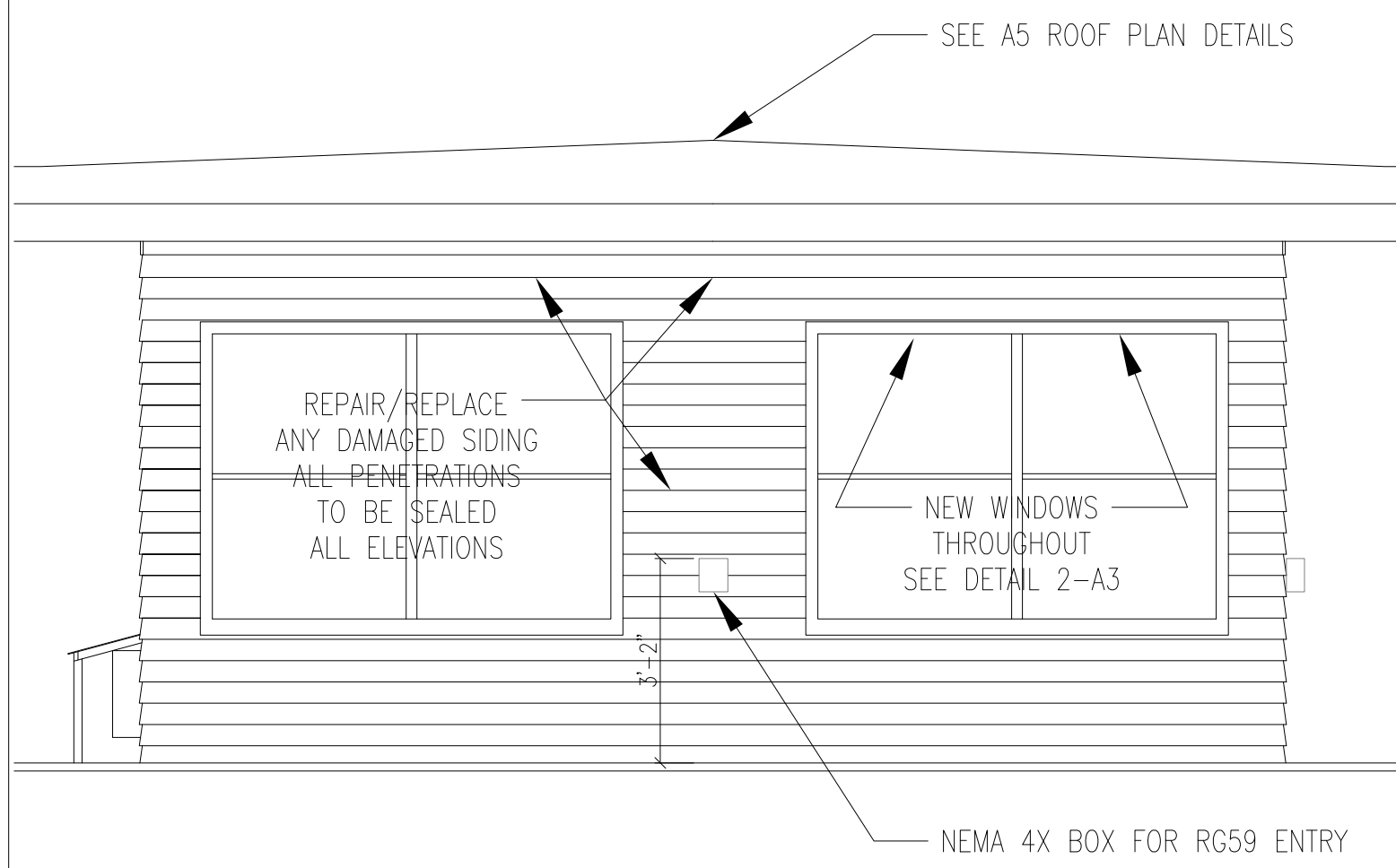
DATE ISSUED: 12/10/18

DRAWN BY: DJW

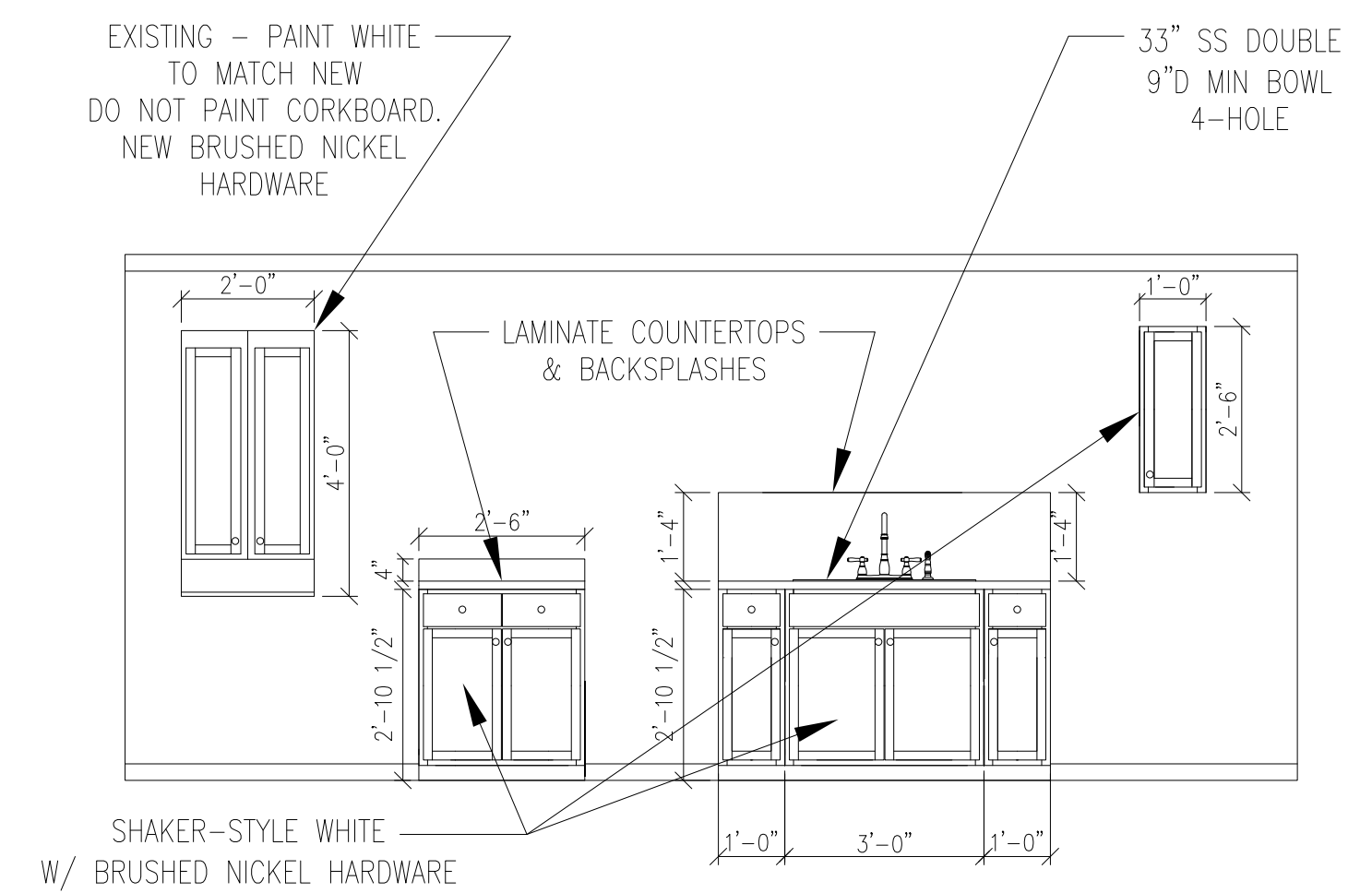
CHECKED BY: DJW

SHEET NO.

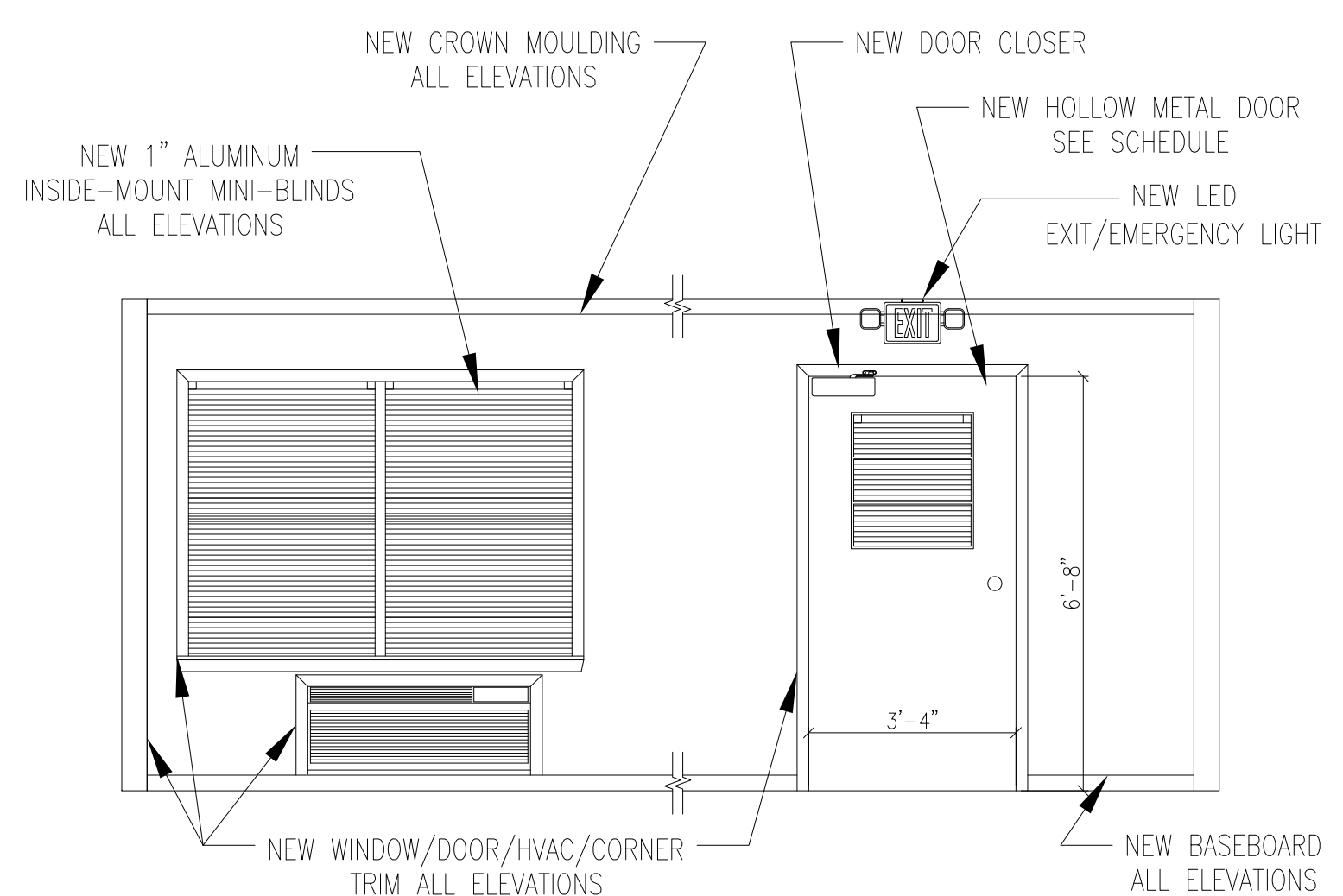
A3



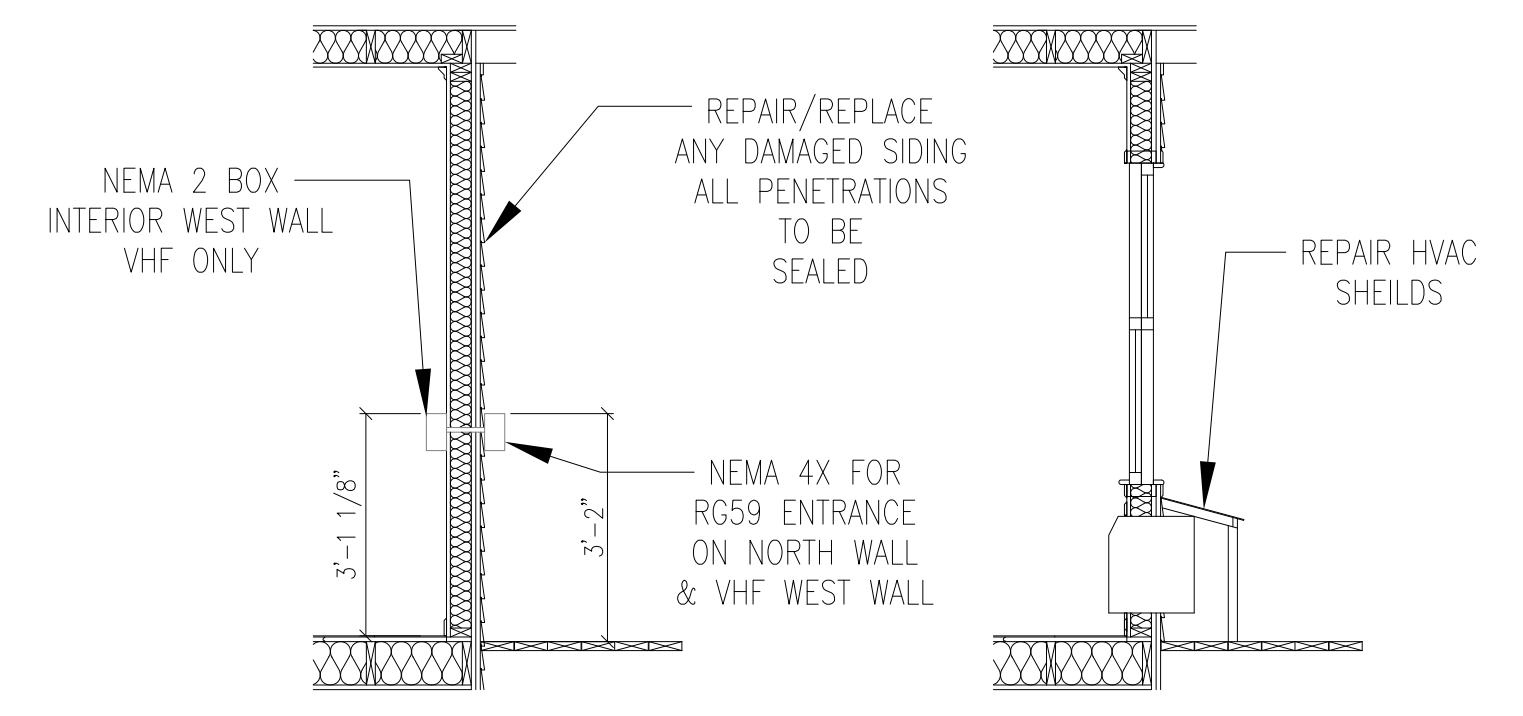
N
A4 N EXTERIOR NEW 2ND FLOOR
SCALE: 3/8" = 1'-0"



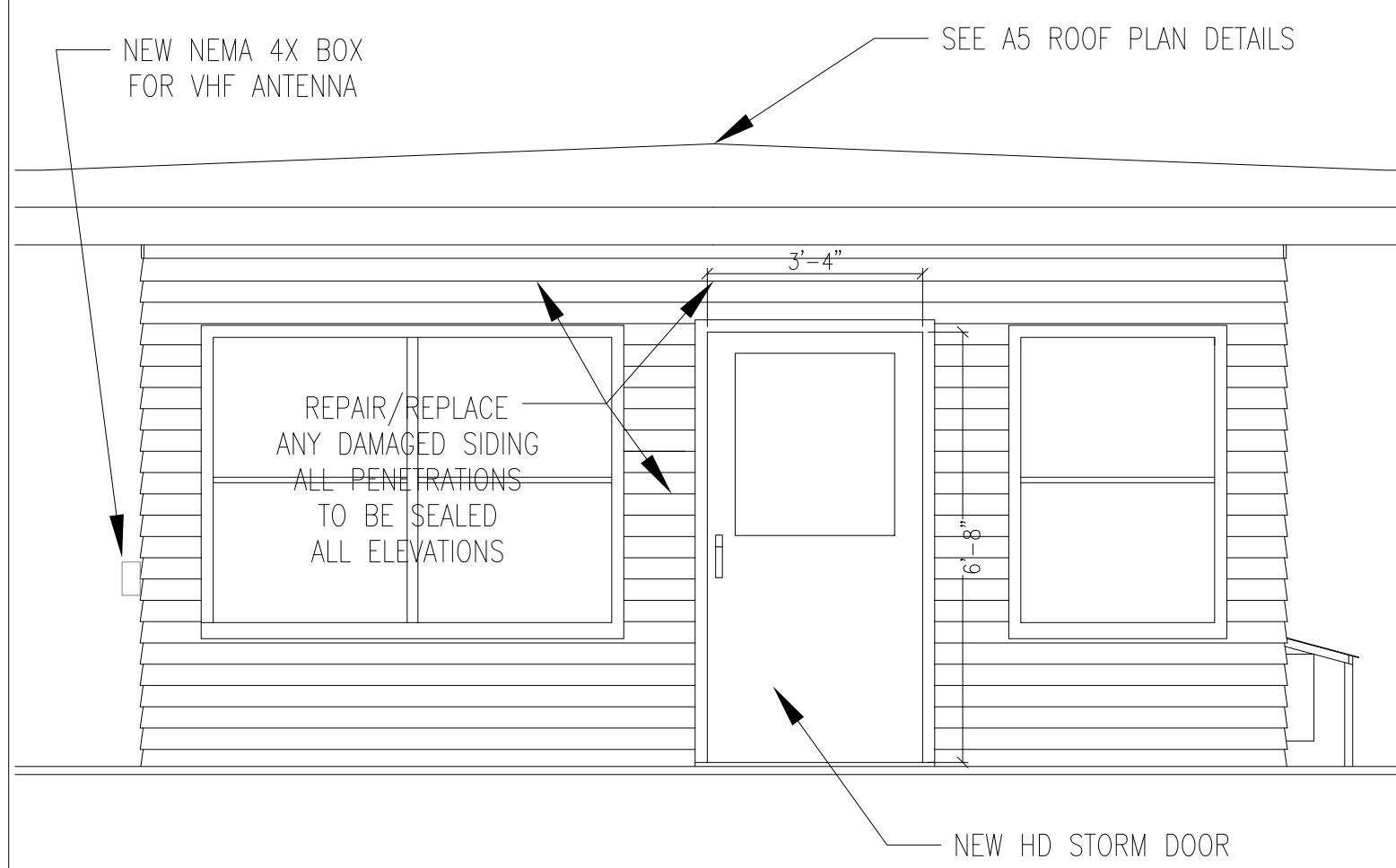
2
A4 CASEWORK DETAILS
SCALE: 3/8" = 1'-0"



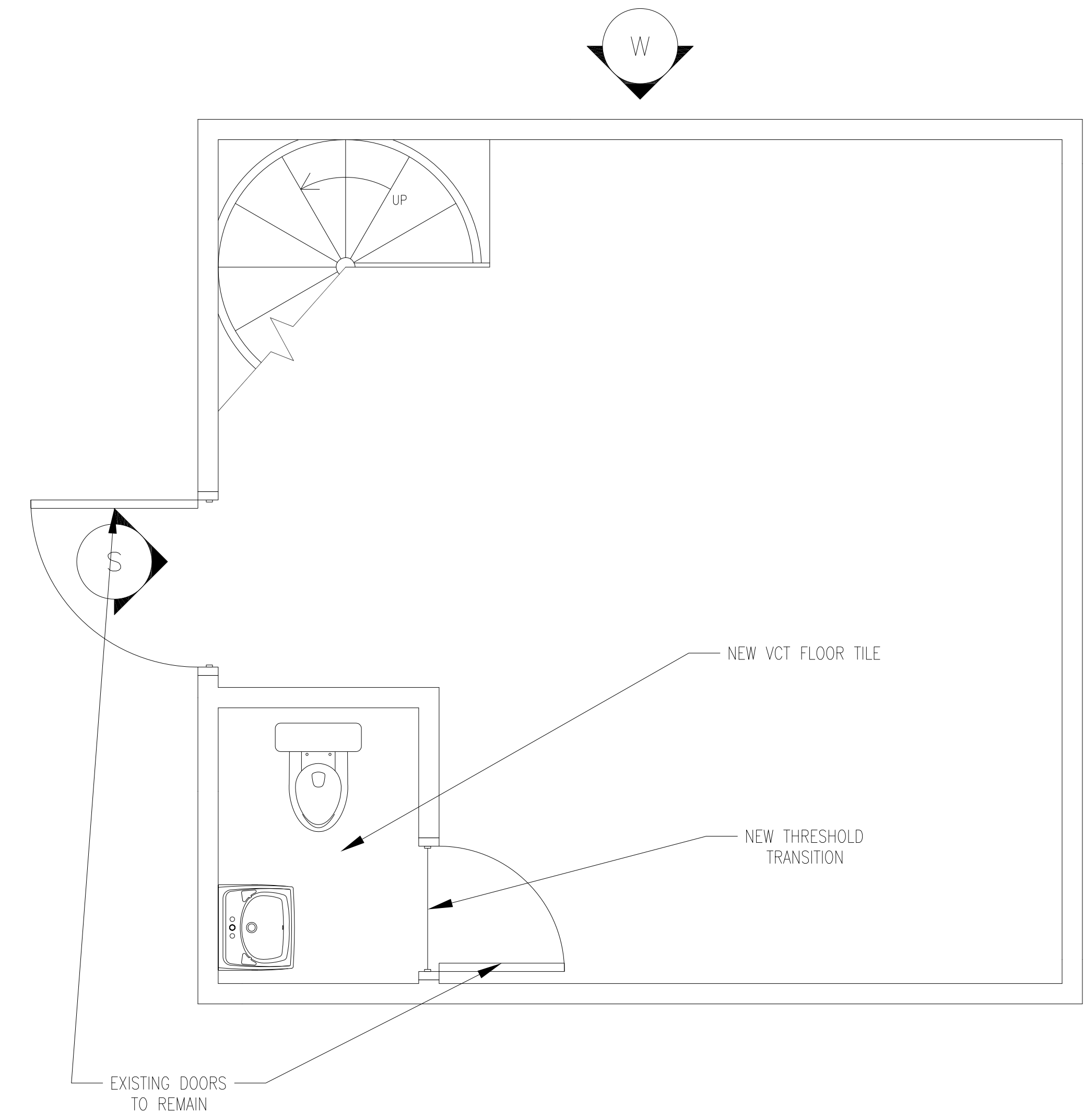
3
A4 WINDOW & TRIM DETAILS 2ND FLOOR
SCALE: 3/8" = 1'-0"



4
A4 WALL X-SECT DETAILS 2ND FLOOR
SCALE: 3/8" = 1'-0"



S
A4 S EXTERIOR NEW 2ND FLOOR
SCALE: 3/8" = 1'-0"

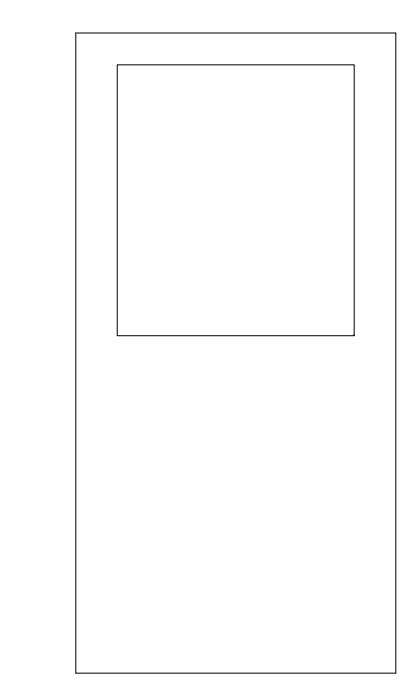


1
A4 FLOOR PLAN NEW 1ST FLOOR
SCALE: 1/2" = 1'-0"

NOTES:

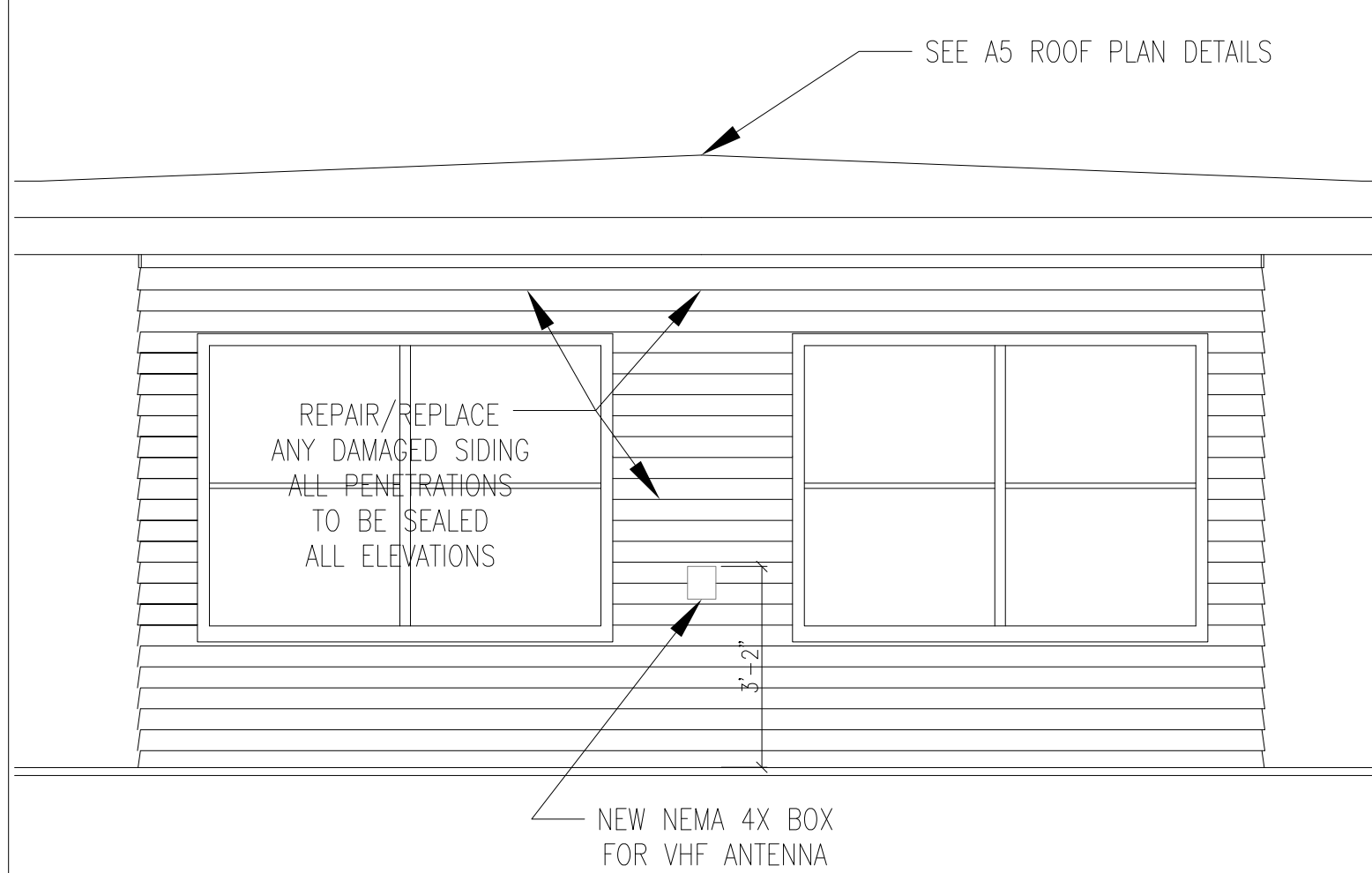
1. 1ST FLOOR WORK IS LIMITED TO THE BATHROOM AND ELECTRICAL MAIN PANEL
2. ALL 1ST FLOOR DOORS TO REMAIN

MARK	DOOR							FRAME		HARDWARE		NOTES
	SIZE			MATL	GLAZING	FINISH	MATL	TYPE	FINISH	KEYSIDE RM NO		
	WD	HGT	THK									
01	3'-4"	6'-8"	1.375"	ALUM	G	CLR ANOD	ALUM	W	BRU ALUM	EXT	PIANO HINGE	
02	3'-4"	6'-8"	1.75"	HM	G	PT	HM	KD	BRU ALUM	--	SOLID CORE, 4X4-SCREW HINGES	



DOOR TYPE G
SINGLE GLAZING
TOP HALF

5
A4 DOOR TYPES
NO SCALE



W
A4 W EXTERIOR NEW 2ND FLOOR
SCALE: 3/8" = 1'-0"

CONSULTANT:

EXTERIOR & PLAN DETAILS

PROJECT TITLE:
Harkers Island Drawbridge
Tenders House
HIGHWAY DIVISION 2, NCDOT
CARTERET COUNTY, NORTH CAROLINA

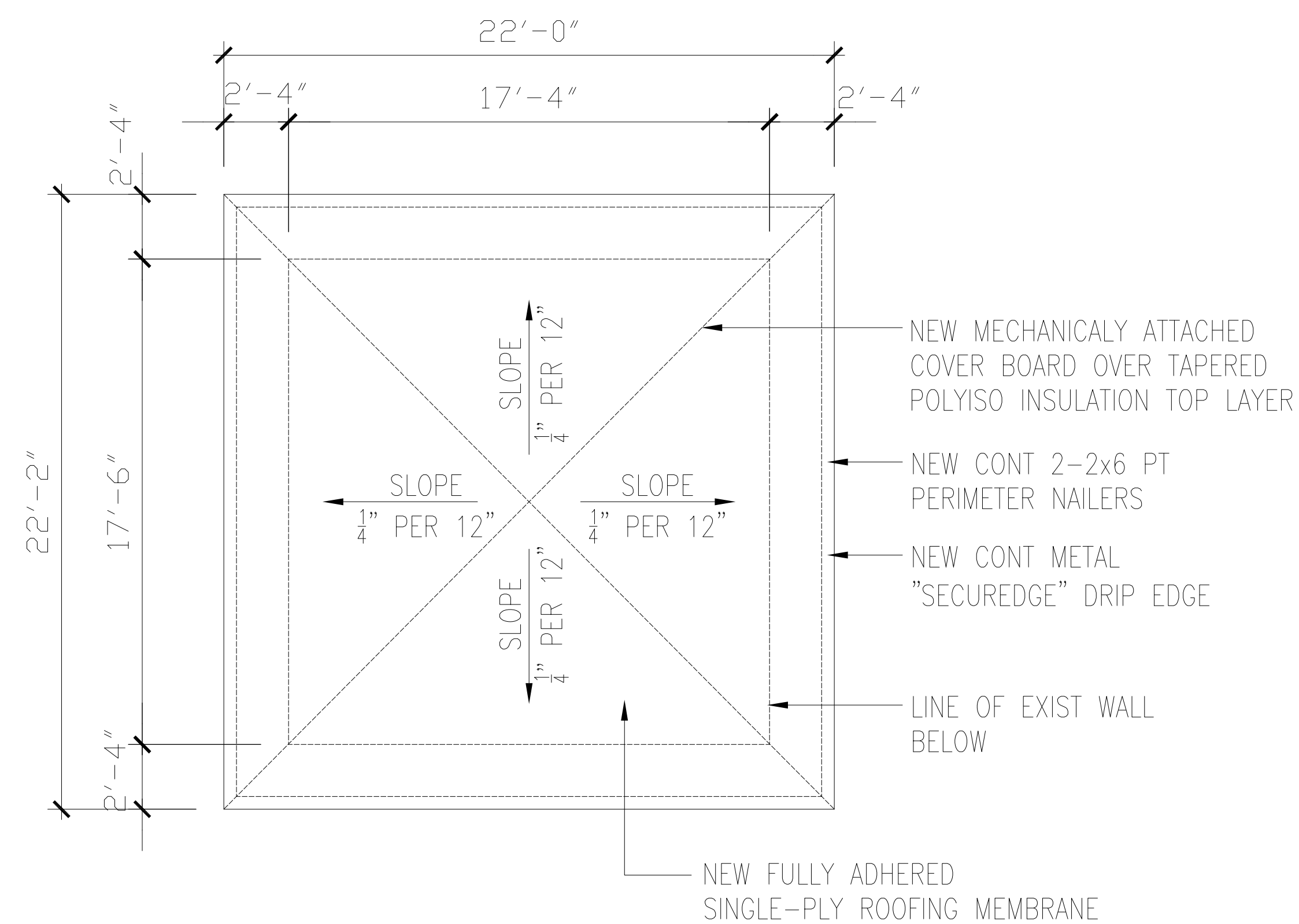
ASSET NUMBER:
CO.# SITE.# BLDG.#

REVISIONS
NO. DATE

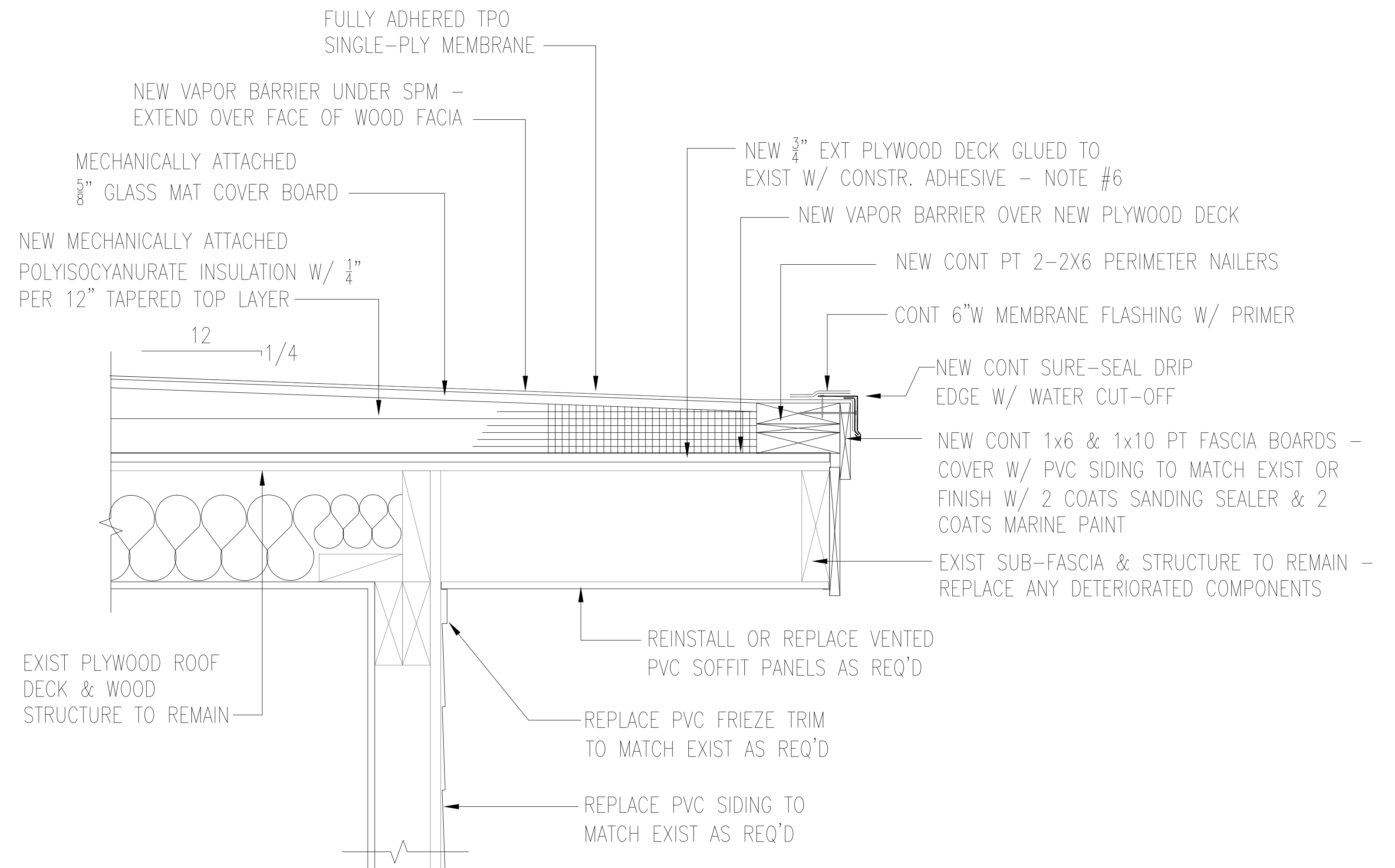
DATE ISSUED: 12/10/18
DRAWN BY: DJW
CHECKED BY: DJW
SHEET NO.

NOTES:

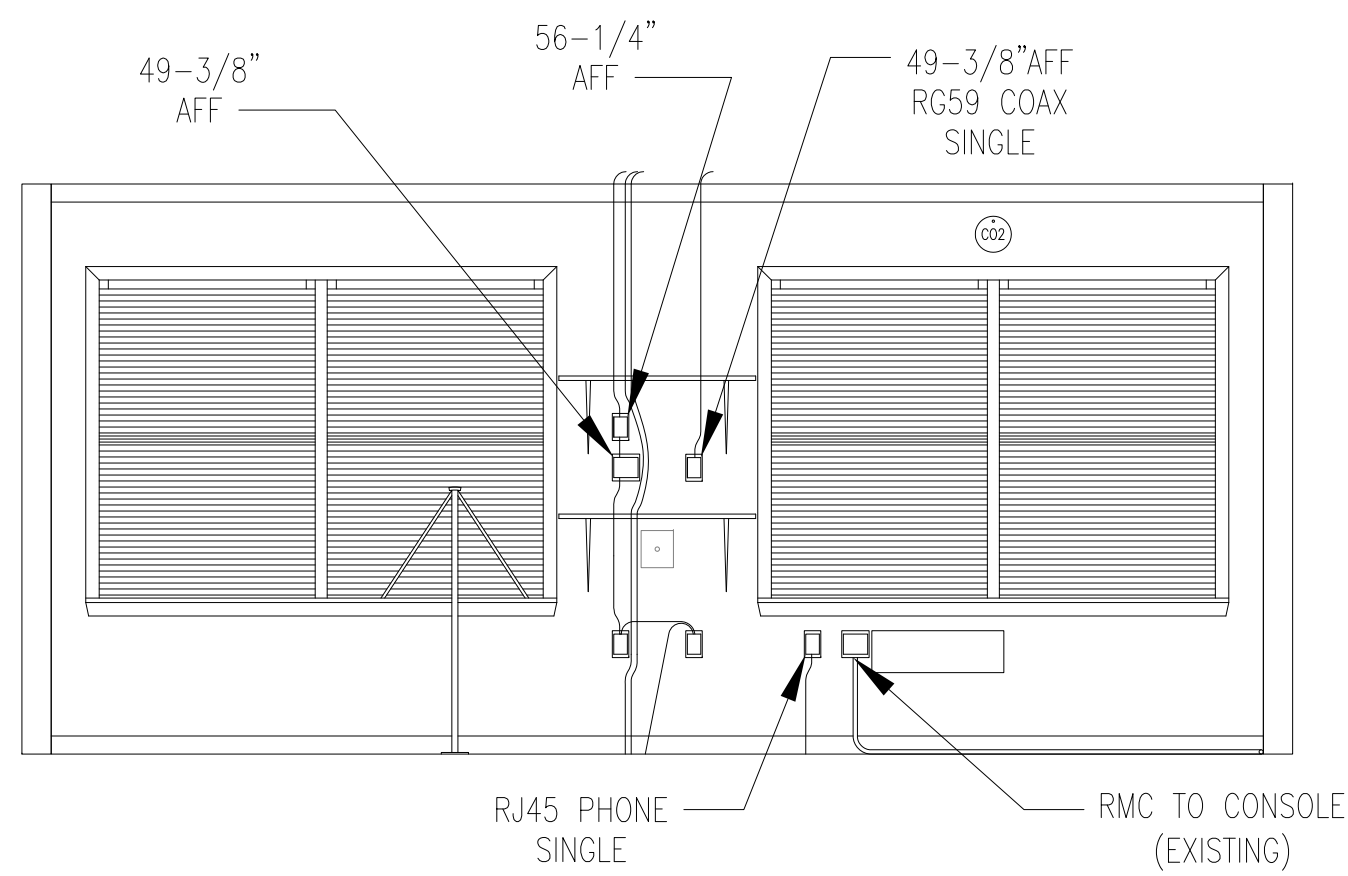
1. POLYISOCYANURATE INSULATION: CARLISLE "INSULBASE" OR EQUAL; 1-LAYER 2.5" + TAPERED (1/4")/FOOT) W/ 0.5" EDGE.
2. TPO SINGLE-PLY MEMBRANE: CARLISLE SYNTEC "SECURE-WELD", OR EQUAL.
3. VAPOR BARRIER: #30 BUILDING FELT.
4. COVER BOARD: DENS DECK PRIME, OR EQUAL.
5. METAL DRIP EDGE: CARLISLE "SECUREDGE", OR EQUAL.
6. ATTACH MARINE PLYWOOD WITH #10 SS SCREWS @ 6" O.C. ALONG ROOF JOISTS WITH MINIMUM 1 1/2" PENETRATION OF JOISTS.



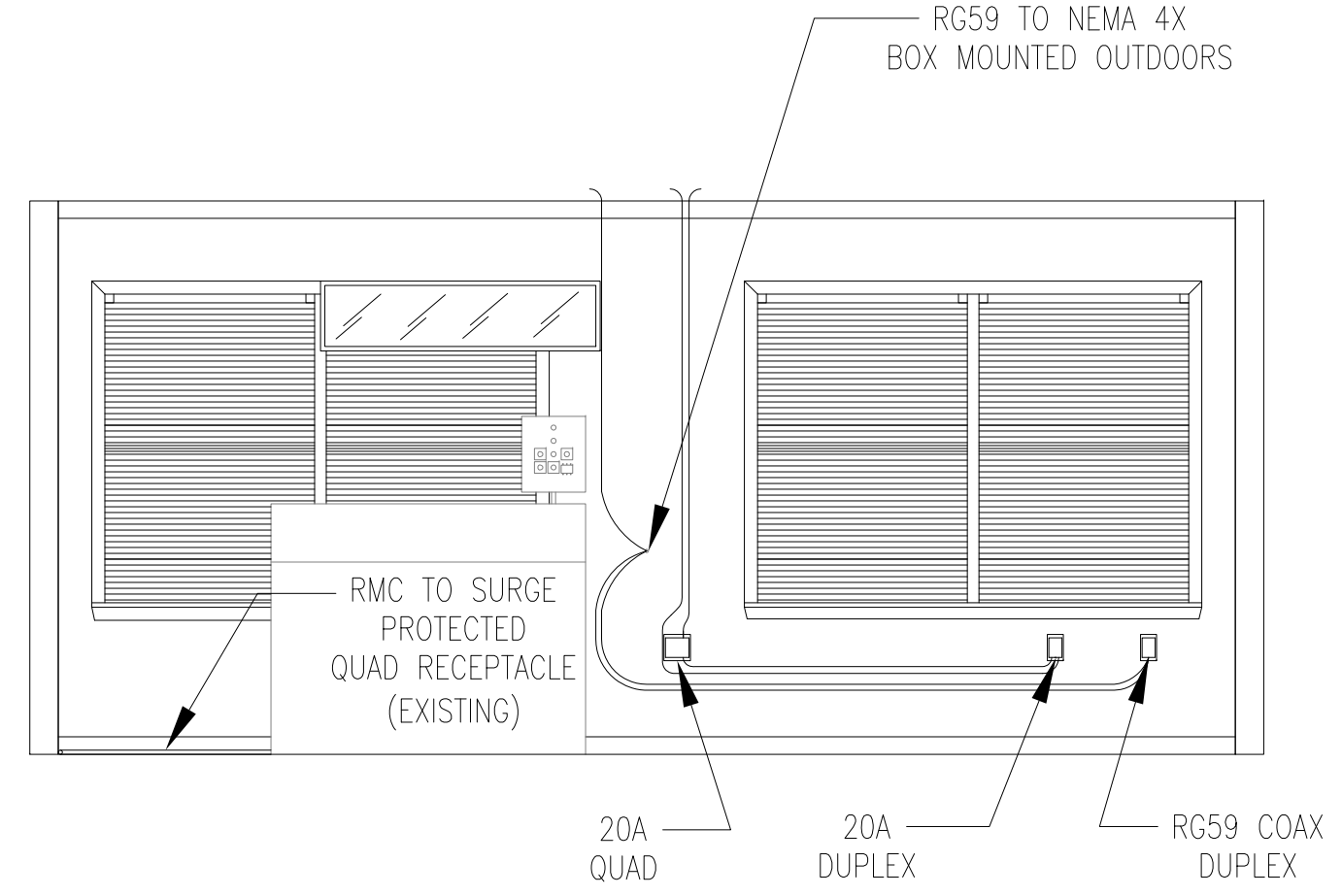
1
A5 RE-ROOFING PLAN
SCALE: 1/4" = 1'-0"



2
A5 WALL SECTION
SCALE: 2" = 1'-0"



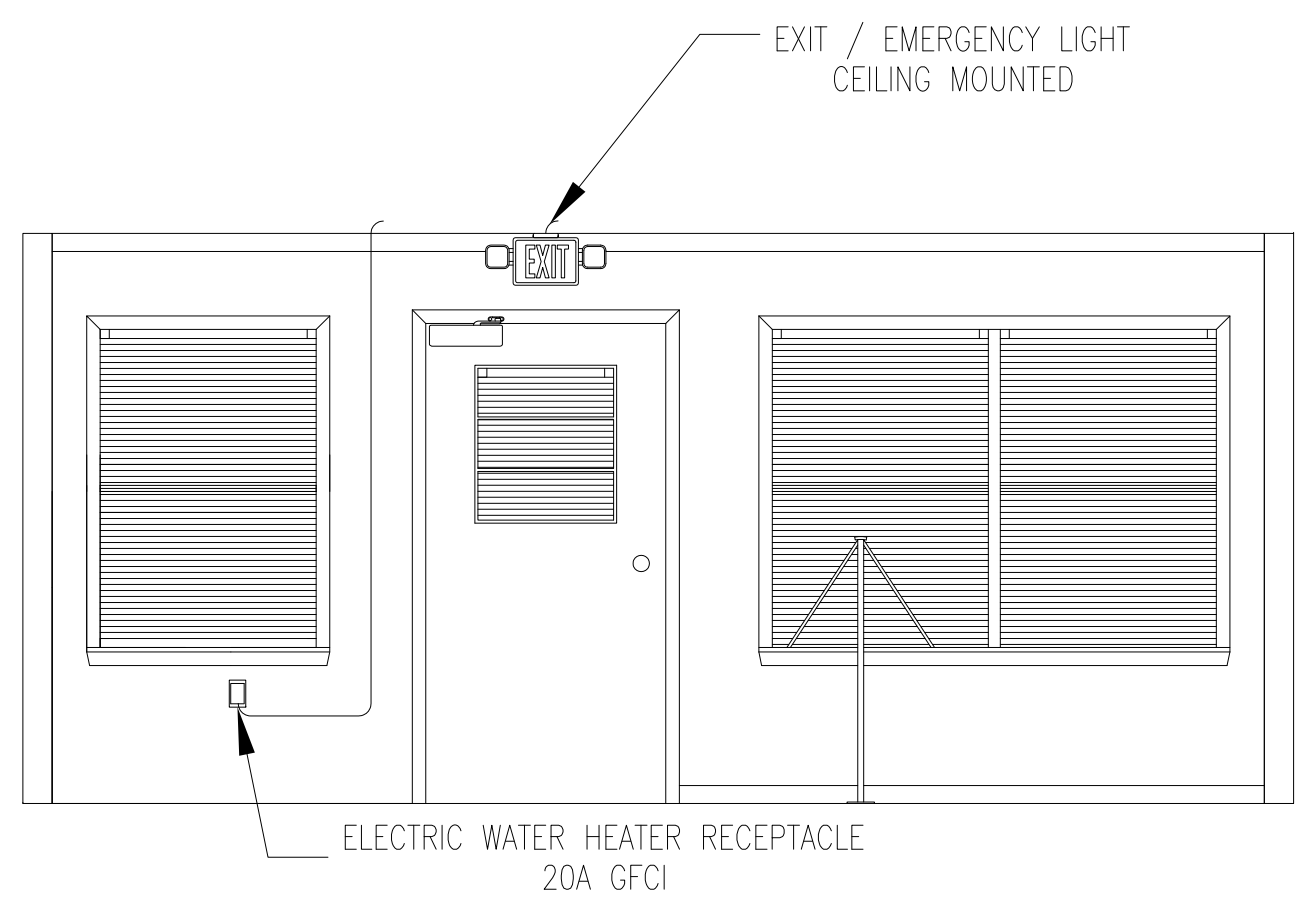
W
E1 WEST WALL INTERIOR ELECTRICAL
SCALE: 3/8" = 1'-0"



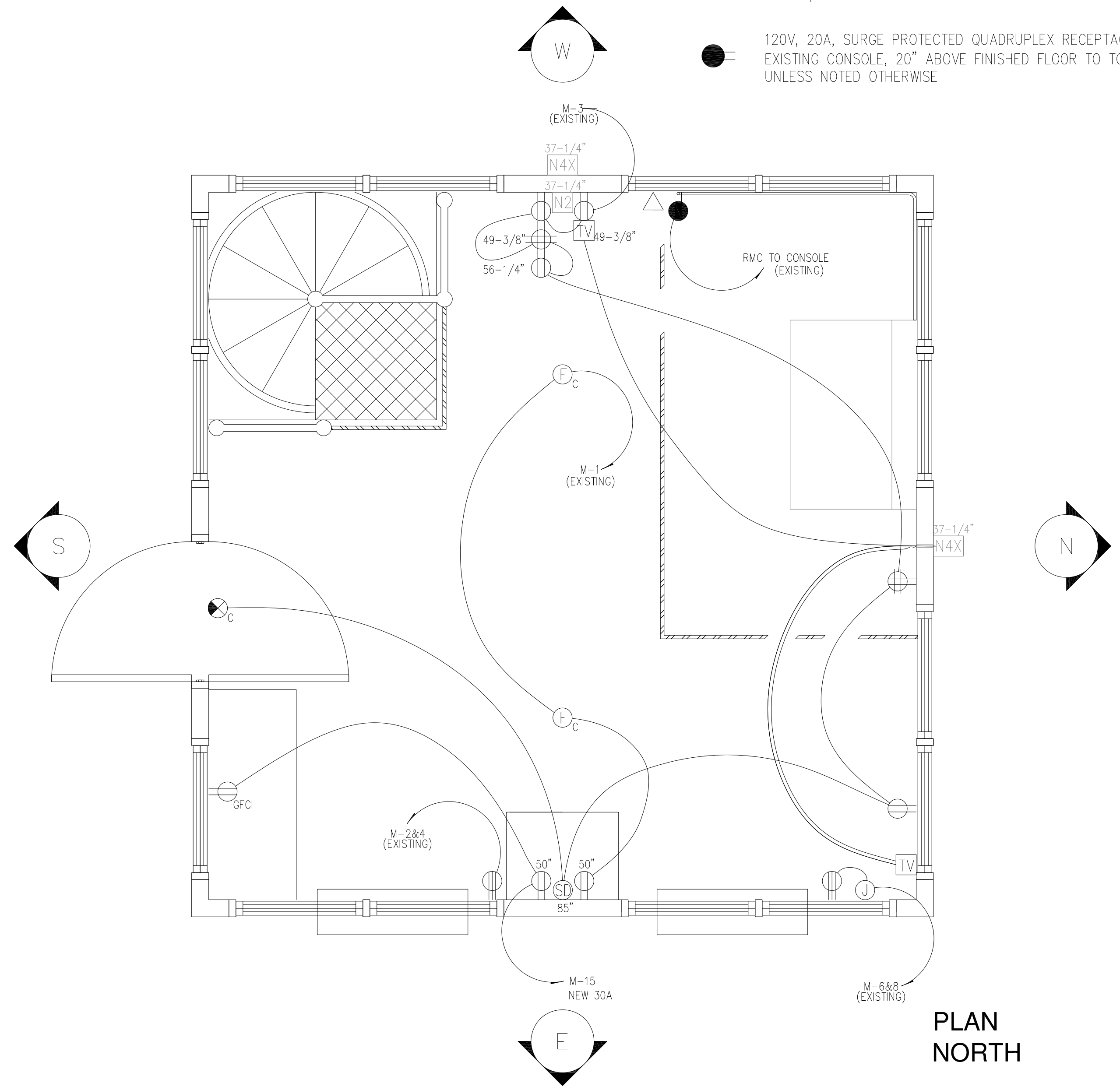
N
E1 NORTH WALL INTERIOR ELECTRICAL
SCALE: 3/8" = 1'-0"

- 50" 120V, 20A DUPLEX RECEPTACLE, 20" ABOVE FINISHED FLOOR TO TOP OF OUTLET, UNLESS NOTED OTHERWISE (50" INDICATES MOUNTING HEIGHT ABOVE FINISHED FLOOR TO TOP OF OUTLET)
- 120V, 20A QUADRUPLX RECEPTACLE, 20" ABOVE FINISHED FLOOR TO TOP OF OUTLET, UNLESS NOTED OTHERWISE
- 240V, 2X30A RECEPTACLE, 20" ABOVE FINISHED FLOOR TO TOP OF OUTLET, UNLESS NOTED OTHERWISE
- 37-1/4" N4X NEMA ELECTRICAL BOX WITH HINGED DOOR, 20" ABOVE FINISHED FLOOR TO TOP OF BOX UNLESS NOTED OTHERWISE. BOX RATING IS INDICATED BY NUMBER INSIDE BOX. (N4X = NEMA 4X ENCLOSURE). PENETRATIONS SHALL BE 3/4-IN PVC.
- 120V EMERGENCY EXIT SIGN WITH BATTERY BACKUP AND EMERGENCY LIGHTING. "C" DENOTES CEILING MOUNTED
- 120V CEILING FAN BOX. "C" DENOTES CEILING MOUNTED
- 120V SMOKE DETECTOR BOX
- RG59 DUPLEX TELEVISION/CABLE BOX. RG59 SHALL BE 3-WAY SPLIT PRIOR TO BUILDING ENTRY INSIDE EXTERIOR NEMA BOX
- RJ45 AT&T 258A / TIA-568A STANDARD TELEPHONE/DATA DUPLEX OUTLET, 20" AFF TO TOP OF OUTLET.
- 120V, 20A, SURGE PROTECTED QUADRUPLX RECEPTACLE FROM EXISTING CONSOLE, 20" ABOVE FINISHED FLOOR TO TOP OF OUTLET, UNLESS NOTED OTHERWISE

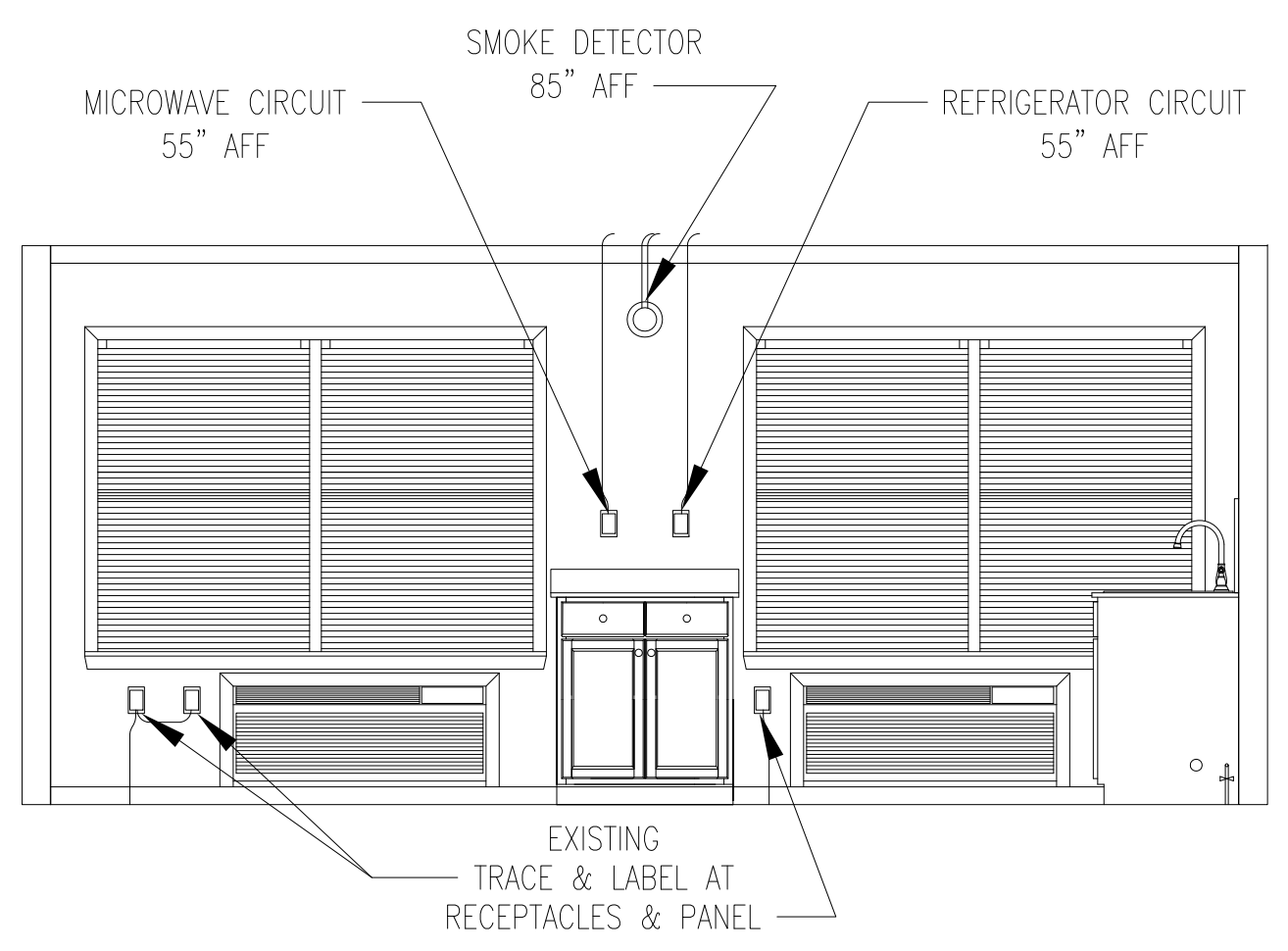
- NOTES:**
1. EXISTING CONDUCTORS AND BOXES MAY BE REUSED IF IN GOOD CONDITION AND MEET MINIMUM REQUIREMENTS
 2. 20A CIRCUIT CONDUCTORS SHALL BE MINIMUM 12AWG, 2-WIRE, WITH GROUND, NON-METALLIC SHEATHED OR EQUIVALENT.
 3. 30A CIRCUIT CONDUCTORS SHALL BE MINIMUM 10AWG, 2-WIRE, WITH GROUND, NON-METALLIC SHEATHED OR EQUIVALENT.
 4. ALL CONDUCTORS SHALL BE SOLID COPPER. ALUMINUM CONDUCTORS SHALL NOT BE ACCEPTED.
 5. ALL RECEPTACLES SHALL HAVE 20A RATING. GFCI PER PLANS.
 6. FAN & EMERGENCY LIGHT GANG BOXES SHALL BE OF TYPE REQUIRED TO FULLY SUPPORT FIXTURES
 7. ALL NEW AND EXISTING CIRCUITS SHALL BE FIELD VERIFIED, TRACED, AND LABELED AT OUTLETS AND AT MAIN PANEL.
 8. ADDED CIRCUIT M-15 SHALL USE I-T-E Q130, SINGLE POLE, 30A PLUG-IN BREAKER OR EQUIVALENT.
 9. RG59 SHALL BE SPLIT AT OUTSIDE NEMA BOX WITH 3X INDIVIDUAL RUNS TO OUTLETS
 10. TELEPHONE/DATA OUTLET SHALL BE RJ45, AT&T 258A / TIA 568 STANDARD TERMINATIONS
 11. ALL WIRING SHALL BE CONCEALED IN-WALL WITH THE EXCEPTION OF THE SURGE PROTECTED CIRCUIT PROVIDED BY THE EXISTING CONSOLE. IF EXISTING CONSOLE RMC CANNOT BE REUSED, REPLACE WITH NEW. THHN CONDUCTORS SHALL BE REPLACED IF RMC CANNOT BE REUSED.



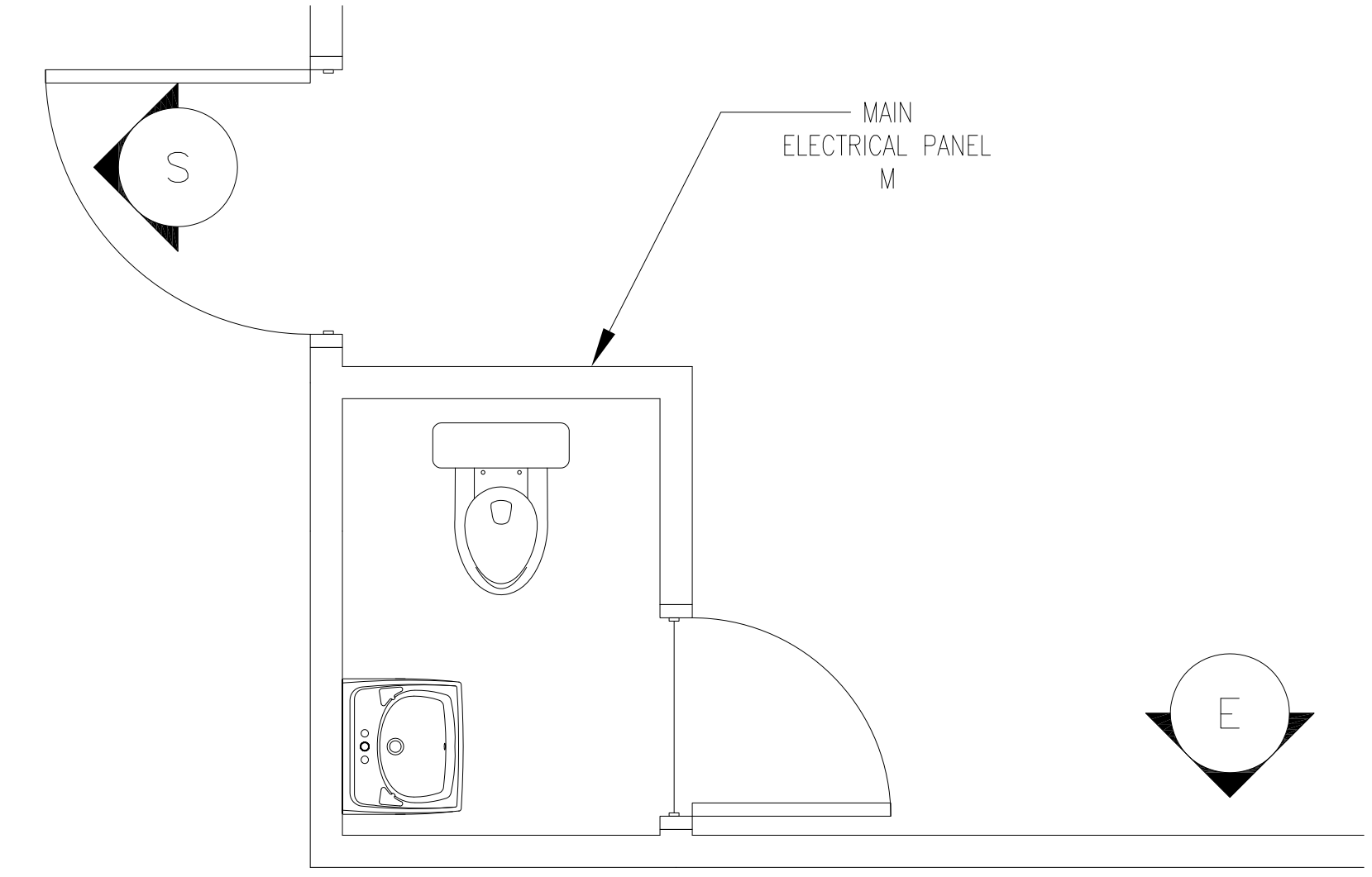
S
E1 SOUTH WALL INTERIOR ELECTRICAL
SCALE: 3/8" = 1'-0"



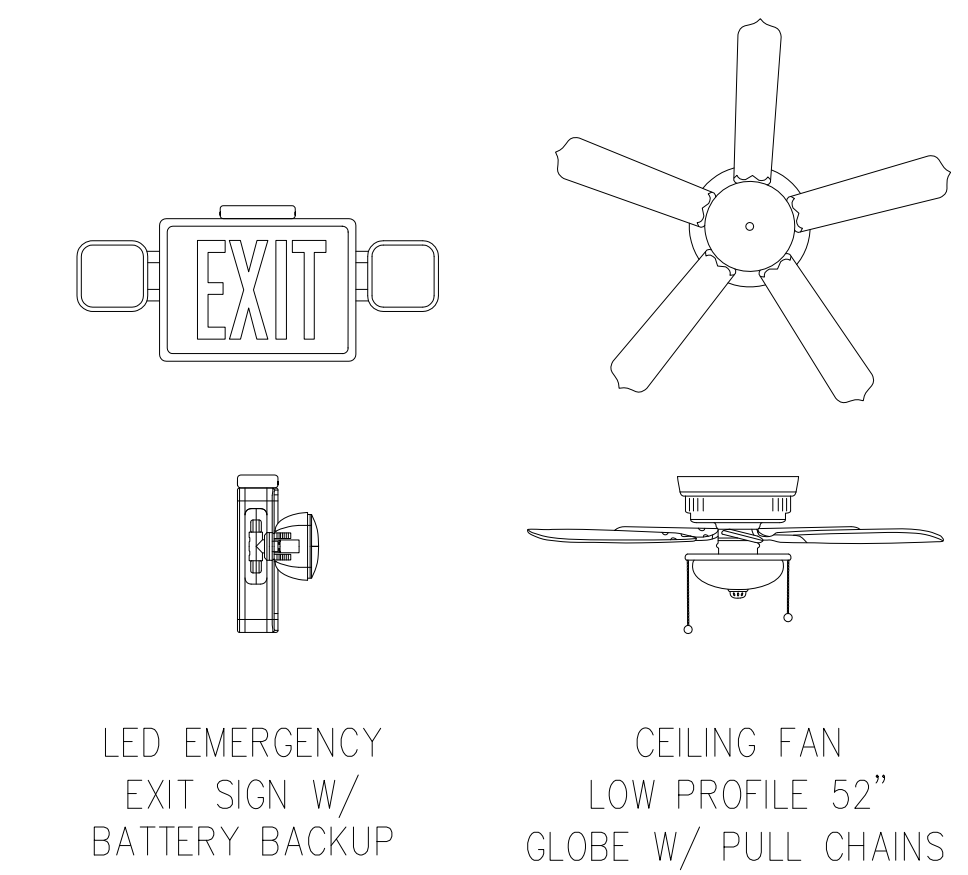
1
E1 FLOOR PLAN NEW 2ND FLOOR
SCALE: 1/2" = 1'-0"



E
E1 EAST WALL INTERIOR ELECTRICAL
SCALE: 3/8" = 1'-0"



2
E1 PARTIAL 1ST FLOOR PLAN PANEL M
SCALE: 1/2" = 1'-0"



3
E1 ELECTRICAL FIXTURE TYPES
NO SCALE

DESIGNED BY:
FACILITIES DESIGN ARCHITECTS & ENGINEERS
FACILITIES MANAGEMENT DIVISION, NCDOT
110 SOUTH WILMINGTON STREET
Raleigh, NC 27601
PHONE: 919-707-4540



CONSULTANT:

ELECTRICAL & PLAN DETAILS

DRAWING TITLE / DESCRIPTION:

PROJECT TITLE:
Harkers Island Drawbridge
Tenders House
HIGHWAY DIVISION 2, NCDOT
CARTERET COUNTY, NORTH CAROLINA

ASSET NUMBER:
CO.# SITE.# BLDG.#

REVISIONS NO.	DATE

DATE ISSUED: 12/10/18
DRAWN BY: DJW
CHECKED BY: DJW
SHEET NO.

DESIGNED BY:
FACILITIES DESIGN
ARCHITECTS & ENGINEERS
FACILITIES MANAGEMENT DIVISION, NCDOT
110 SOUTH WILMINGTON STREET
WILMINGTON, NC 27601
PHONE: 919-707-4540



CONSULTANT:

DRAWING TITLE / DESCRIPTION:

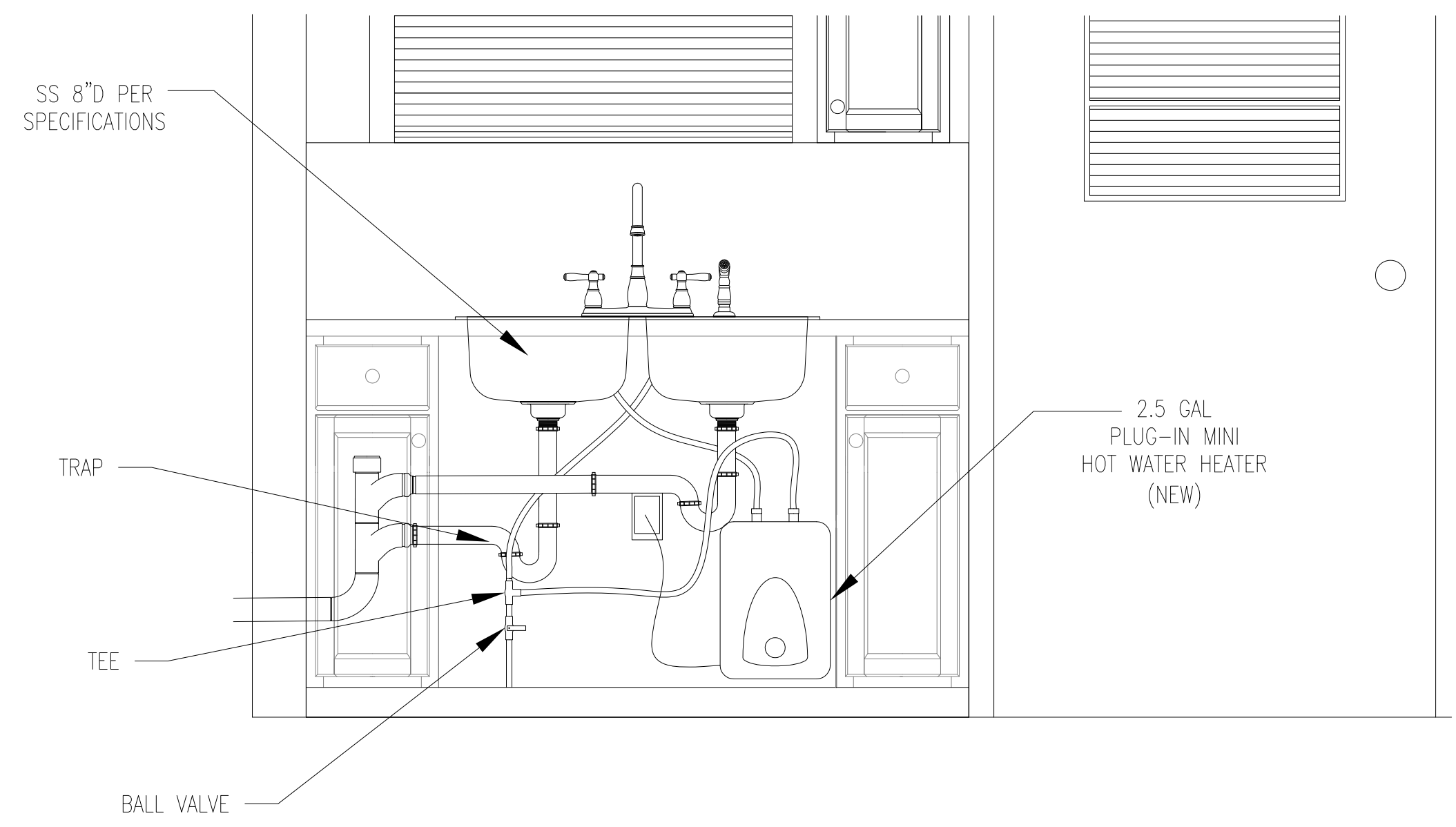
PROJECT TITLE:
Harkers Island Drawbridge
Tenders House
HIGHWAY DIVISION 2, NCDOT
CARTERET COUNTY, NORTH CAROLINA

ASSET NUMBER:
CO.# SITE.# BLDG.#

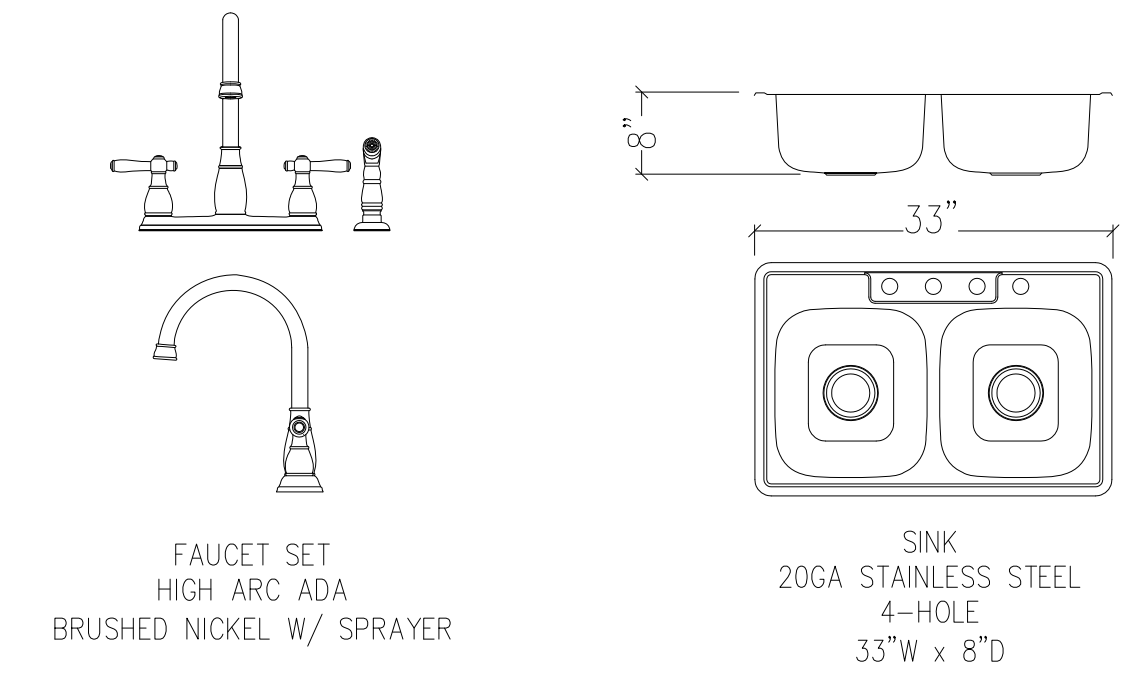
REVISIONS	NO.	DATE

DATE ISSUED: 12/10/18
DRAWN BY: DJW
CHECKED BY: DJW
SHEET NO.

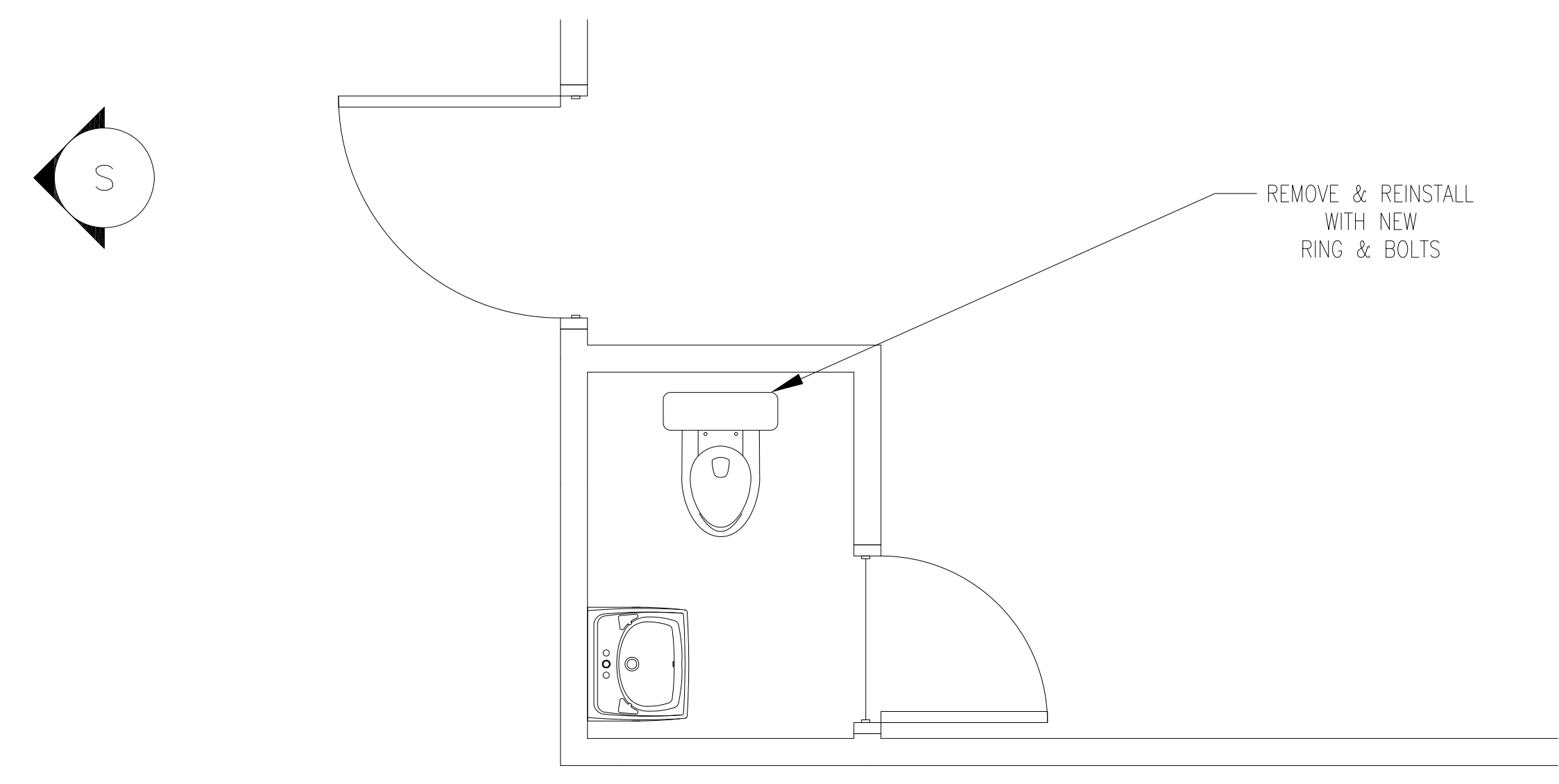
P1



1 PARTIAL S ELEVATION PLUMBING DETAILS
SCALE: 1" = 1'-0"



3 PLUMBING FIXTURES
NO SCALE



2 PARTIAL FLOOR PLAN 1ST FLOOR
SCALE: 1/2" = 1'-0"