GENERAL ABBREVIATIONS

# AND SYMBOLS	
#	NUMBER / POUND
&	AND
@	AT
A	
A	AIR
A/C	AIR CONDITIONED
A/E	ARCHITECT-ENGINEER
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
AMP	AMPERE
AO	ACCESS OPENING
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
B	
BAL	BALANCE
BD	BOARD
BKOP	BACK OF PRECAST / BACK OF PANEL
BLDG	BUILDING
BLK	BLANK
BM	BEAM
BO	BOTTOM OF
BOP	BOTTOM OF PRECAST
BOS	BOTTOM OF STEEL
BRG	BEARING
BTUH	BRITISH THERMO UNIT / HOUR
C	
CCT	CUBICLE CURTAIN TRACK
CG	CORNER GUARD
CJ	CONTROL / CONSTRUCTION JOINT
CL	CENTER LINE
CLG	CEILING
CLL	COLUMN LINE
CLR	CLEAR
cm	CENTIMETER
CMU	CONCRETE MASONRY UNIT
CO	CONTRACTING OFFICER
CO2	CARBON DIOXIDE
CONC	CONCRETE
CONT	CONTINUED / CONTINUOUS
COORD	COORDINATE
CTJ	CONTRACTION JOINT
CTR	CENTER
D	
D	DEEP / DEPTH
dBA	UNIT OF SOUND
DEG	DEGREE
DIA	DIAMETER
DIMS	DIMENSIONS
DN	DOWN
DR	DOOR
DWG	DRAWING(S)
DWR	DRAWER
E	
EA	EACH
EE	EACH END
EJ	EXPANSION JOINT
EL	ELEVATION
EOS	EDGE OF SLAB
EQ	EQUAL
ETC	ET CETERA
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EWS	EYE WASH STATION
EXIST	EXISTING

GENERAL ABBREVIATIONS

F	
F	FILLER
FAX	FACSIMILE
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FHC	FIRE HOSE CABINET
FIN	FINISHED
FLR	FLOOR
FO	FACE OF
FOS	FACE OF SLAB / FACE OF STUD
FT	FOOT / FEET
G	
G	GAS
GA	GAGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GEM	GLOBAL ELECTRIC MOTORCARS
H	
H	HIGH
HC	HANDICAP
HDWR	HARDWARE
HE	HORIZONTAL EXIT
HM	HOLLOW METAL
HR	HOUR
I	
IC	INTERCOM
ID	INSIDE DIAMETER
IN	INCH(ES)
INFO	INFORMATION
J	
JT	JOINT
K	
kPA	KILOPASCAL
L	
LB	POUND
LF	LINEAR FEET
LL	ANGLE
M	
m	METERS
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
mm	MILLIMETERS
MO	MASONRY OPENING
N	
N	NORTH
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O	
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPH	OPPOSITE HAND
OPNG	OPENING
P	
P.D.	PANEL DIMENSION
PL	PLATE
PLAM	PLASTIC LAMINATE
PR	PAIR
PSF	POUNDS per SQUARE FOOT
PSI	POUNDS per SQUARE INCH
PT	PRESSURE TREATED / PAINT
PTS	PNEUMATIC TUBE STATION

GENERAL ABBREVIATIONS

Q	
QTR	QUARTER
QTY	QUANTITY
R	
R	RISER / RADIUS
R.O.	ROUGH OPENING
RAL	FEDERAL COLOR PALETTE
RCP	REFLECTED CEILING PLAN
RE	RESIDENT ENGINEER
RENO	RENOVATE / RENOVATION
REQ	REQUIRED
S	
S	SOUTH / SINK
SEC	SECONDARY
SF	SQUARE FEET
SIM	SIMILAR
SJ	SEISMIC JOINT
SPECS	SPECIFICATION
SQ	SQUARE
SST	STAINLESS STEEL
ST	STAINED
STC	SOUND TRANSMISSION CLASS
STL	STEEL
SWGR	SWITCHGEAR
T	
T	TREAD
TEL	TELEPHONE
TEMP	TEMPERATURE / TEMPORARY
THD	THRESHOLD
THK	THICKNESS
THRU	THROUGH
TLT	TOILET
TO	TOP OF
TOC	TOP OF CONCRETE (CURB)
TOF	TOP OF FOOTING
TOM	TOP OF MASONRY
TOP	TOP OF PRECAST
TOS	TOP OF STEEL
TYP	TYPICAL
U	
U	HEAT TRANSFER COEFFICIENT
U/C/B	UNDER COUNTER BASE
UC	UNDERCUT
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
V	
V	VACUUM
VAR	VARIES
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VTR	VENT THRU ROOF
W	
W	WEST
W	WIDTH
W/	WITH
W/O	WITHOUT
WD	WOOD
WH	WALL HUNG / WATER HEATER
WP	WATERPROOF / WORKING UNIT
WT	WEIGHT
WWF	WELDED WIRE FABRIC

GENERAL SYMBOLS

00 VIEW NAME
0/0" = 1'-0"

A1 / AE101 — EXTERIOR ELEVATION REFERENCE

1 Ref / –Ref / AE101 / –Ref / 1 Ref — INTERIOR ELEVATION REFERENCE

A1 / AE312 — SECTION REFERENCE

DETAIL / SECTION NUMBER
A1 / AE101 — REFERENCE FOR DETAIL OR ENLARGED PLAN
SHEET NUMBER

1239 — ROOM NUMBER
STORAGE — ROOM NAME LINE 1
STORAGE — ROOM NAME LINE 2

092900.A01 — MATERIAL NOTES
INDEPENDANT SUFFIX MATERIAL OR NOTE SPECIFIER FOR CONDOC LIST
SPECIFICATION SECTION PREFIX

AE1000 — SHEET NUMBER
SHEET SEQUENCE NUMBER
SHEET TYPE
DISCIPLINE DESIGNATOR

LEADER OR NOTATION

00 — NEW COLUMN REFERENCE AND GRID LINES
VAPOR BARRIER (DETAILS)
LATH (DETAILS)
BITUMINOUS DAMPROOFING (DETAILS)
WORK ABOVE (PLANS)

REF. LINE / SEE 00/0-00-000 — PARTIAL PLAN REFERENCE LINE

BUILDING LEVEL OR ELEVATION. ALL BUILDINGS HAVE FIRST FLOOR SET AT 0'-0". COORDINATE WITH CIVIL DRAWINGS FOR FLOOR LEVEL RELATIVE TO SITE AND EACH OTHER.

SPOT ELEVATION RELATED TO DISTANCE ABOVE FIRST FLOOR

BREAK LINE

00 — REVISION IDENTIFIER

00 — KEY NOTE

℄ — CENTERLINE

N — PLAN NORTH
TRUE NORTH

ARCHITECTURAL SYMBOLS

00 — GLAZING AND LOUVER PREFIXES
L = LOUVER
T = TRANSLUCENT PANEL

00 — PRECAST WALL PANEL

101.1 — DOOR NUMBERS: THE PRIMARY DOOR NUMBER IS THE ROOM NUMBER. A DECIMAL IS ADDED TO DISTINGUISH ADDITIONAL DOORS IN THE ROOM.

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING

APPR | DATE | NO. | DESCRIPTION

NAVFAC

STATE OF FLORIDA — REBECCA OLIVAREZ DALEY — LICENSE NO. AR94762 — 12/17/2021 — REGISTERED ARCHITECT — SEAL

BAMFORTH ENGINEERS + SURVEYORS — A/E INFO

APPROVED
FOR COMMANDER NAVFAC 2/16/2022

ACTIVITY
Approved by J. Scott Roberts, Asset Management Branch Head & Supervisory Facility Planner, PWD Beaufort, SC via email

SATISFACTORY TO	DATE 12/17/2021
DES EAD	DRW KJF / CHK ROD
PM/DM	CJW / SVR
BRANCH MANAGER	DJD
CHIEF ENG/ARCH	EJA
FP ENGINEER	DSN

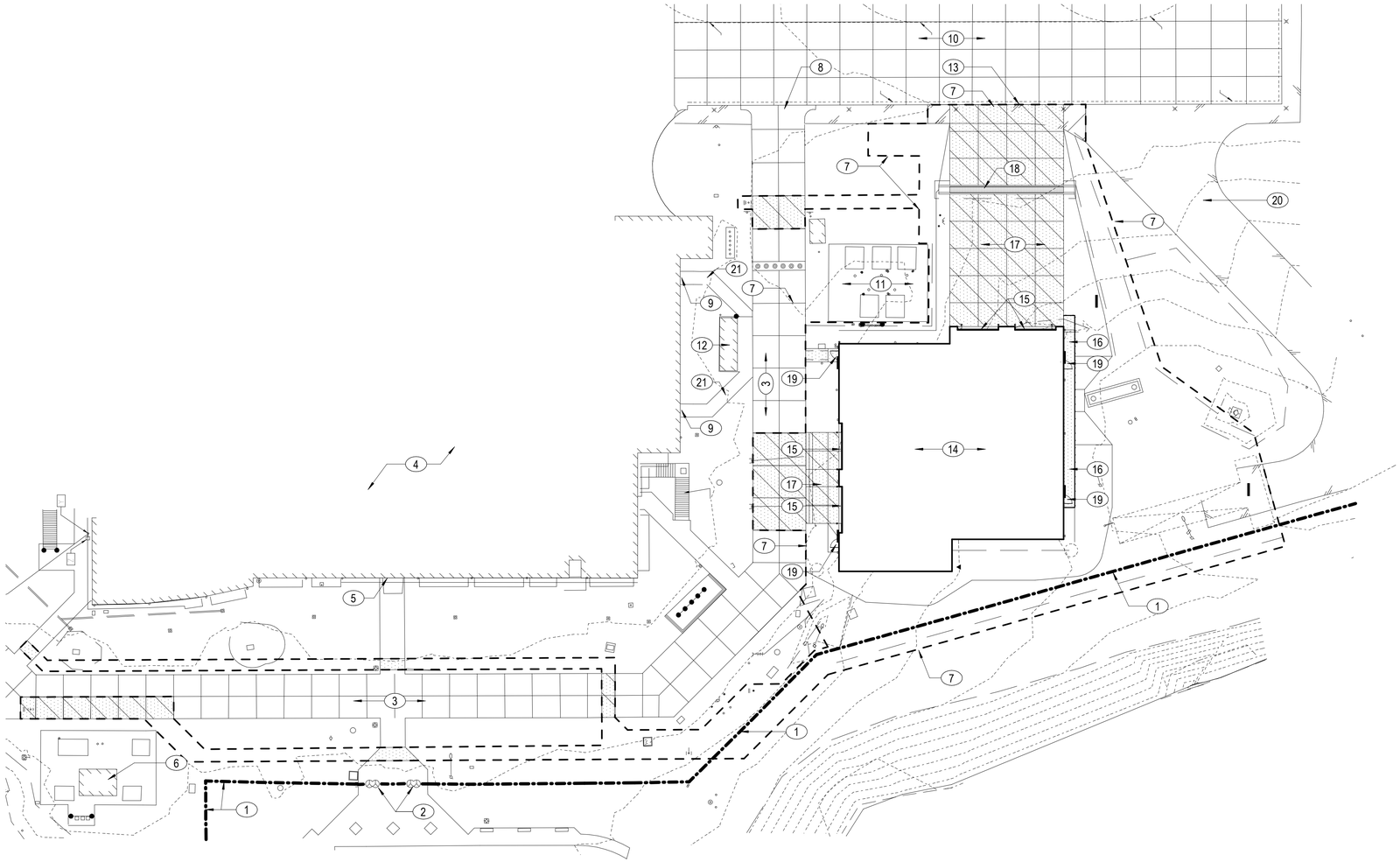
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
ARCHITECTURAL ABBREVIATIONS AND SYMBOLS

SCALE:	As indicated
EPROJECT NO.:	1362850
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12854078
SHEET	57 OF 129

AE001

DRAWFORM REVISION: 25 AUG 2020

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A1 ARCHITECTURAL SITE PLAN

1" = 30'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.

B REFER TO SHEET SERIES "C" FOR CIVIL INFORMATION.

C REFER TO SHEET "S" FOR STRUCTURAL INFORMATION

D REFER TO SHEET "E" FOR SITE LIGHTING.

E CONTRACTOR IS TO INSPECT OUTSIDE WORK AREA WITH OWNER'S REPRESENTATIVE BEFORE CONSTRUCTION. AREAS OUTSIDE OF THE LIMITS OF DISTURBANCE ARE TO BE RETURNED TO SAME CONDITION OR BETTER AT THE END OF THE CONSTRUCTION PROJECT.

F REFER TO CIVIL DRAWINGS FOR CONTRACTOR HAUL ROUTE INFORMATION. COORDINATE WITH THE GOVERNMENT FOR FINAL ACCESS INFORMATION.

G REFER TO SHEET SERIES "L" FOR LANDSCAPE AND HARDSCAPE INFORMATION.

H REFER TO CIVIL SHEET CD101 FOR SITE DEMOLITION INFORMATION. SITE DEMOLITIONS IS LIMITED EXISTING SITE UTILITIES AND MISCELLANEOUS SITE RELATED STRUCTURES.

I REFER TO SHEET AE901 FOR 3D AXONOMETRIC VIEWS FOR REFERENCE.

KEY NOTES (00)

1 EXISTING LEVEL 2 SECURITY FENCE TO REMAIN.

2 EXISTING LEVEL 2 SECURITY FENCE GATES / TURNSTILES TO REMAIN.

3 EXISTING FIRE LANE TO REMAIN. CONTRACTOR TO KEEP FIRE LANE UNOBSTRUCTED AND OPEN AT ALL TIMES. IF REQUIRED WORK OBSTRUCTS EXISTING FIRE LANE, CONTRACTOR TO COORDINATE WITH THE GOVERNMENT PRIOR TO ANY WORK.

4 EXISTING HANGAR 2146 TO REMAIN

5 EXISTING HANGAR 2146 MAIN ENTRY

6 EXISTING ELECTRICAL SUBSTATION TO REMAIN.

7 DASHED LINE DEPICTS LIMITS OF DISTURBANCE.

8 EXISTING FIRE LANE ENTRY TO / EGRESS FROM AIRCRAFT TAXIWAY.

9 EXISTING ACCESS TO HANGAR 2146 AIRCRAFT MAINTENANCE BAY.

10 EXISTING AIRCRAFT TAXIWAY

11 EXISTING MECHANICAL YARD HOUSING PRE-CONDITIONED AIR UNITS SUPPORTING HANGAR 2146 MAINTENANCE BAY TO REMAIN. CONTRACTOR TO PROTECT AND TO KEEP THIS AREA IN FULL OPERATION DURING CONSTRUCTION.

12 EXISTING STORAGE CONTAINER AND CONCRETE PAD TO REMAIN.

13 DRIVE ENTRY TO OSF

14 F35 OPERATION SUPPORT FACILITY (OSF)

15 ENTRY / EGRESS ACCESS TO SUPPORT LARGE EQUIPMENT STORAGE WITH OVERHEAD COILING DOORS.

16 CONCRETE WALK.

17 CONCRETE DRIVE AISLE.

18 TRENCH DRAIN

19 BUILDING ACCESS.

20 EXISTING DRIVE AISLE TO REMAIN. FIRE LANE ACCESS AND ACCESS ROAD TO AIRCRAFT FUEL DEPOT.

21 EXISTING SIDEWALK TO REMAIN.

N PLAN NORTH

0 5' 30' 60' 90' 120'

1" = 30' GRAPHIC SCALE

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING

APPR | DATE | NO. | DESCRIPTION

NAVFAC

STATE OF FLORIDA
REMICK OLIVARES DALE
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 2/16/2022

ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email

SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW	KJF	CHK	ROD
PM/DM					CJW / SVR
BRANCH MANAGER					DJD
CHIEF ENG/ARCH					EJA
FP ENGINEER					DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE:
MCAS BEAUFORT

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NORFOLK, VIRGINIA

BEAUFORT, SC

P-485 F35 OPERATIONS SUPPORT FACILITY

ARCHITECTURAL SITE PLAN

SCALE: 1" = 30'-0"

EPROJECT NO.: 1362850

CONSTR. CONTR. NO.

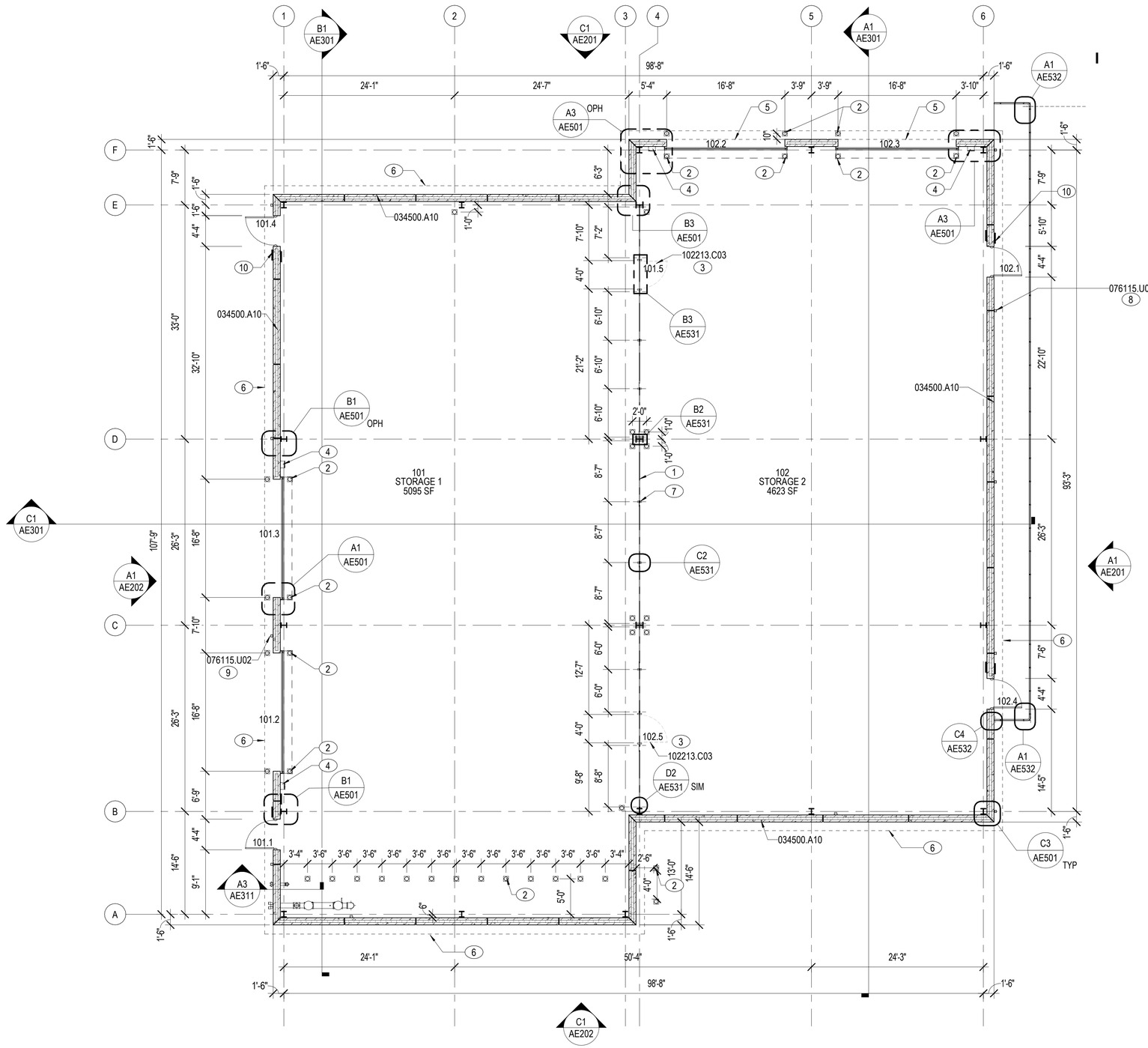
NAVFAC DRAWING NO.
12854079

SHEET 58 OF 129

AS101

DRAWFORM REVISION: 25 AUG 2020

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A1 FLOOR PLAN - OVERALL
1/8" = 1'-0"

NOTES:

SHEET NOTES:

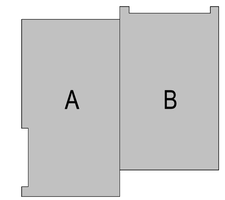
A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.
B REFER TO SHEET SERIES GC FOR LIFE SAFETY PLANS.
C REFER TO SHEET AE601 FOR DOOR SCHEDULES, DOOR/FRAME ELEVATIONS, WINDOW ELEVATIONS, TRANSLUCENT PANEL ELEVATIONS, AND LOUVER ELEVATIONS.
D DASHED LINES REPRESENT ITEMS ABOVE.
E DIMENSIONS ARE TO COLUMN GRID, FACE OF PRECAST, UNO.
F TOTAL R-VALUE FOR EXTERIOR INSULATED 12 INCH PRECAST PANEL SYSTEM IS R-14.
G REFER TO SHEET AE210 - AE215 FOR PRECAST DIMENSIONS AND ELEVATIONS

KEY NOTES (00)

1 WIRE MESH PARTITION FROM FLOOR TO 19'-0" AND HOLD 3" BELOW STEEL BEAM
2 BOLLARD, TYP. REFER TO DETAIL D1/AE531.
3 WIRE MESH SWING DOOR, 4'-0" WIDE x 8-0" HIGH.
4 OVERHEAD COILING DOOR CONTROL BOX
5 LINE OF EXTERIOR FACE OF INSULATED PRECAST WALL ABOVE,
6 LINE OF EXTERIOR EDGE OF METAL SOFFIT ABOVE.
7 WIRE MESH PARTITION VERTICAL POST. REFER TO DETAIL C2/AE531
8 CONNECT DOWNSPOUT TO BELOW GRADE STORM PIPING. REFER TO CIVIL DRAWINGS FOR SITE UTILITY INFORMATION.
9 DOWNSPOUT, 3" X 4", TYP.
10 KNOX BOX 6'-0" A.F.F., REFER TO FIRE ALARM DRAWINGS FOR ADDITIONAL INFORMATION. KNOX BOX WILL NOT SUPERVISED.

MATERIAL NOTES

034500.A10 PRECAST CONCRETE INSULATED WALL PANEL
076115.U02 DOWNSPOUT
102213.C03 HINGED DOOR



KEYPLAN

N PLAN NORTH

0 5' 10' 20' 30'
1/8" = 1'-0" GRAPHIC SCALE

NOTE:
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IT IS A REDUCED SIZE DRAWING

NAVFAC

STATE OF FLORIDA
REBECCA OLIVARES DALEY
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH ENGINEERS & SURVEYORS
A/E INFO

APPROVED
for J. Scott Roberts, N.A.
FOR COMMANDER NAVFAC 2/16/2022
ACTIVITY
Approved by J. Scott Roberts, Asset Management Branch Head & Supervisory Facility Planner, PWD Beaufort, SC via email
SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW	KJF	CHK	ROD
PM/DM					CJW / SVR
BRANCH MANAGER					DJD
CHIEF ENG/ARCH					EJA
FP ENGINEER					DSN

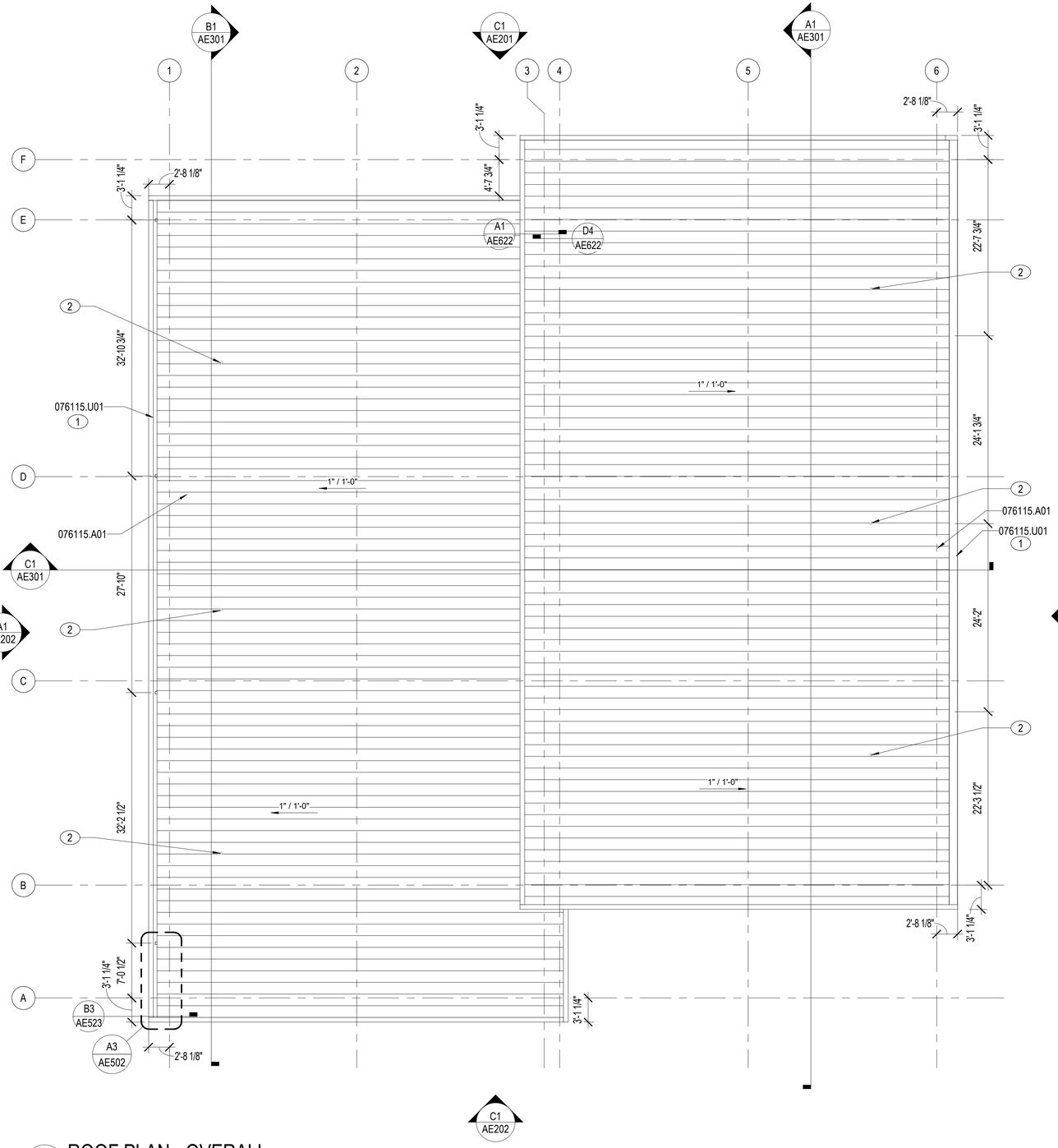
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
FLOOR PLAN - OVERALL

SCALE:	1/8" = 1'-0"
EPROJECT NO.:	1362850
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12854080
SHEET	59 OF 129

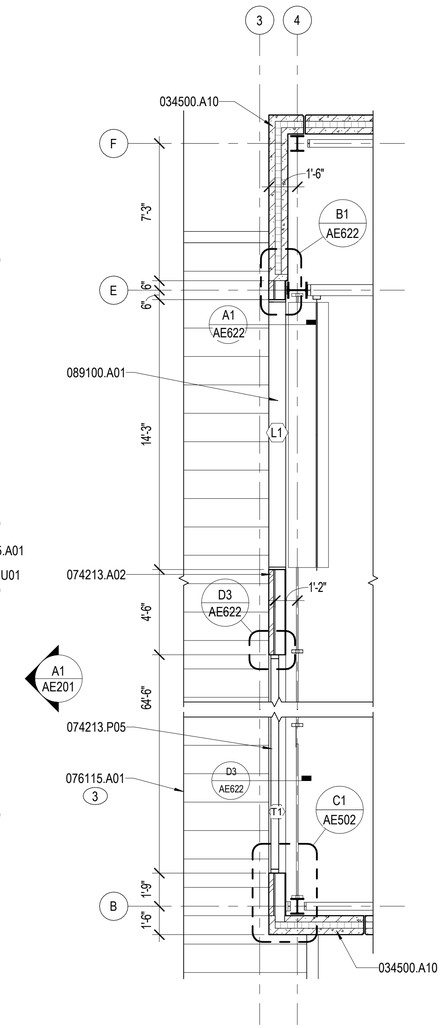
AE101

DRAWFORM REVISION: 25 AUG 2020

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A1 ROOF PLAN - OVERALL
1/8" = 1'-0"



A4 CLERESTORY PLAN
1/4" = 1'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.

B ROOFING IS ALUMINUM STANDING SEAM ROOF SYSTEM. REFER TO SPECIFICATION SECTION 07 61 15.

C R-VALUE FOR ALL ROOF INSULATION IS TO BE EQUAL TO R-25.

D ARROWS INDICATE ROOF SLOPE. ALL SLOPES TO BE 1" = 1'-0" MINIMUM.

E REFER TO SHEET AE901 FOR 3D AXONOMETRIC VIEWS FOR REFERENCE.

F ALL ROOF ACCESSORIES AND ROOF SUPPORTS PENETRATING THE ROOF TO MATCH COLOR OF ROOF

KEY NOTES (00)

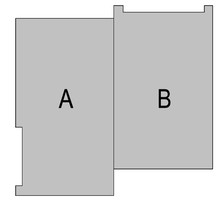
1 CONCEALED GUTTER,13" X 7"

2 RADIANT HEATER FLUE, REFER TO MECHANICAL DETAIL A5/MH502 AND ARCHITECTURAL DETAIL C1/AE532.

3 ROOF BELOW

MATERIAL NOTES

034500.A10	PRECAST CONCRETE INSULATED WALL PANEL
074213.A02	INSULATED METAL WALL PANEL SYSTEM
074213.P05	TRANSLUCENT PANEL SYSTEM
076115.A01	STANDING-SEAM METAL ROOF PANEL
076115.U01	GUTTER
089100.A01	EXTRUDED ALUMINUM WALL LOUVER



KEYPLAN

N PLAN NORTH

0 2' 4' 8' 12' 16'
1/4" = 1'-0" GRAPHIC SCALE

0 5' 10' 20' 30'
1/8" = 1'-0" GRAPHIC SCALE

NOTE:
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APPR | DATE | NO. | DESCRIPTION

NAVFAC

STATE OF FLORIDA
REMICK OLIVARES DALE
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 2/16/2022

ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email

SATISFACTORY TO	DATE 12/17/2021
DES EAD	DRW KJF CHK ROD
PMDM	CJW / SVR
BRANCH MANAGER	DJD
CHIEF ENG/ARCH	EJA
FP ENGINEER	DSN

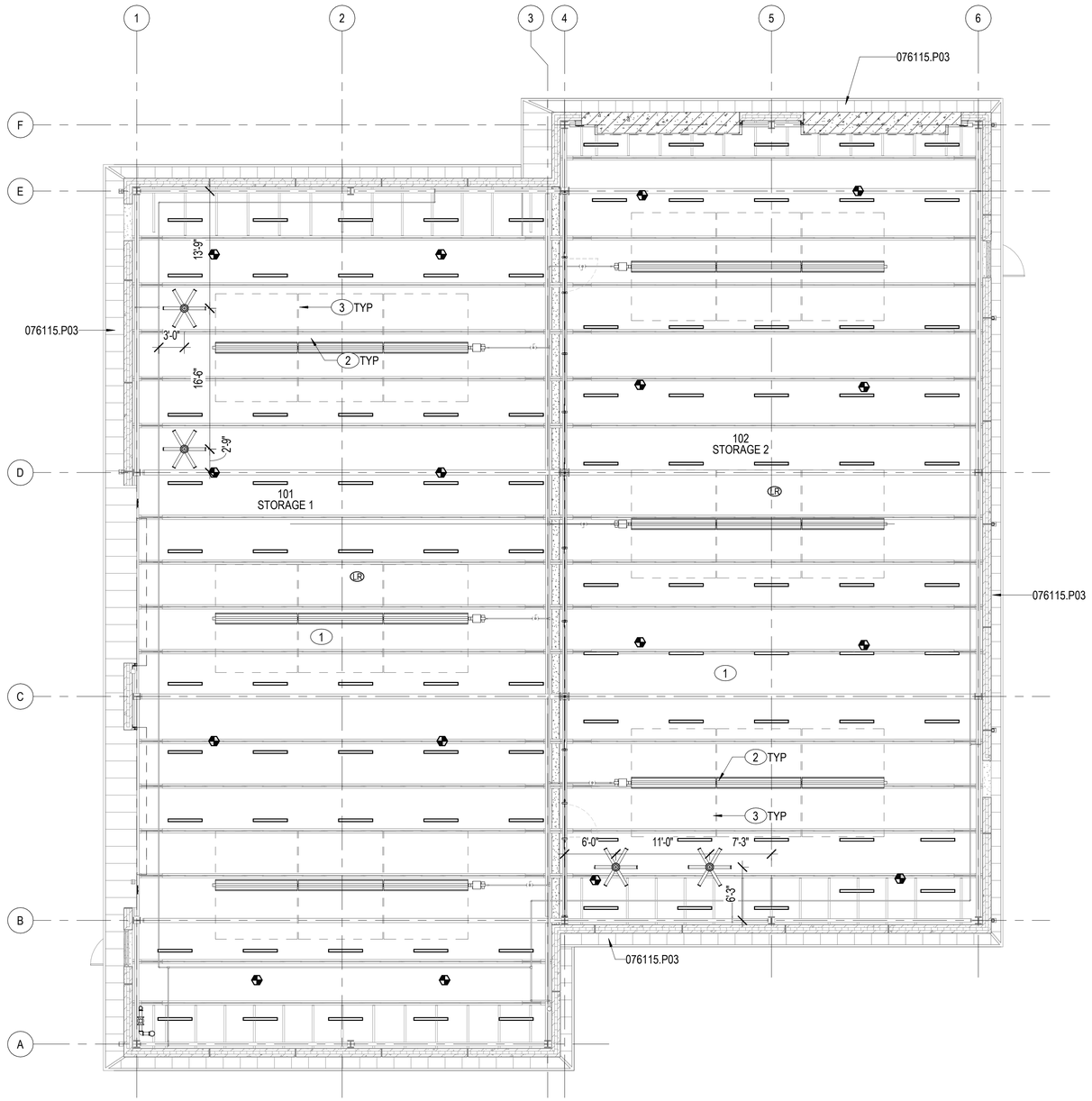
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NORFOLK, VIRGINIA
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
DC CORE
MCAS BEAUFORT
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
ROOF PLAN - OVERALL

SCALE:	As indicated
EPROJECT NO.:	1362850
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12854081
SHEET	60 OF 129

AE102

DRAWFORM REVISION: 25 AUG 2020

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A1 REFLECTED CEILING PLAN - OVERALL
1/8" = 1'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.
B REFER TO SHEET SERIES GC FOR LIFE SAFETY PLANS.
C ALL ROOMS TO BE EXPOSED TO STRUCTURE.
D REFER TO SHEETS AF601FOR FINISH SCHEDULE AND KEY TO FINISHES.
E REFER TO ELECTRICAL DRAWINGS FX, EL AND ET FOR COORDINATION OF ALL ELECTRICAL ITEMS SHOWN IN CEILING PLAN.
F REFER TO MECHANICAL DRAWINGS ME FOR COORDINATION OF ALL MECHANICAL ITEMS SHOWN IN CEILING PLAN.
G IN CASE OF DISCREPANCIES IN LOCATION OF COMPONENTS WITH ELECTRICAL DRAWINGS, THE REFLECTED CEILING PLAN SHALL GOVERN.

CEILING LEGEND

CEILING TYPES

METAL SOFFIT PANEL

ELECTRICAL SYMBOLS

LIGHT FIXTURES

OCCUPANCY SENSOR

CEILING FAN MOUNTED 12'-0" A.F.F., REFER TO SPECIFICATION SECTION 10 90 00.00 50 MISCELLANEOUS SPECIALTIES.

MECHANICAL SYMBOLS

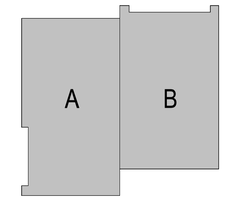
HEATERS

KEY NOTES (00)

1 OPEN TO STRUCTURE ABOVE.
2 RADIANT TUBE HEATER. REFER TO MECHANICAL DRAWINGS.
3 DASHED LINES DEPICT CLEARANCE REQUIREMENTS FOR RADIANT TUBE HEATER.

MATERIAL NOTES

076115.P03 METAL SOFFIT PANEL SYSTEM



KEYPLAN

N PLAN NORTH

0 5' 10' 20' 30'
1/8" = 1'-0" GRAPHIC SCALE

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APPR | DATE | MK | DESCRIPTION

NAVFAC

STATE OF FLORIDA
REBECK OLIVARES DALE
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 2/16/2022

ACTIVITY
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Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email

SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW	KJF	CHK	ROD
PMDM					CJW / SVR
BRANCH MANAGER					DJD
CHIEF ENG/ARCH					EJA
FP ENGINEER					DSN

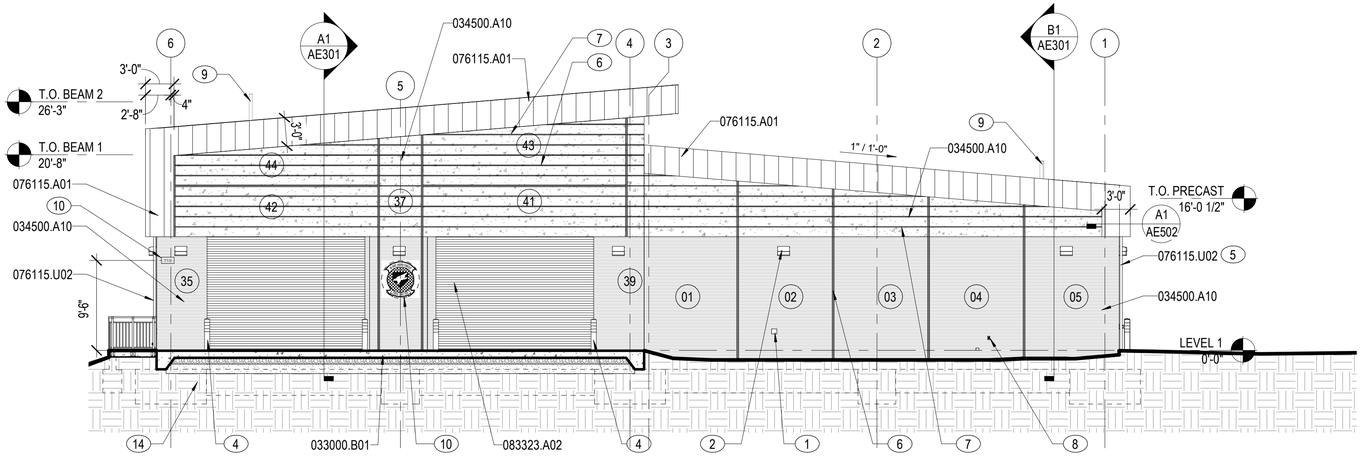
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
REFLECTED CEILING PLAN - OVERALL

SCALE: 1/8" = 1'-0"
EPROJECT NO.: 1362850
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.: 12854082
SHEET 61 OF 129

AE111

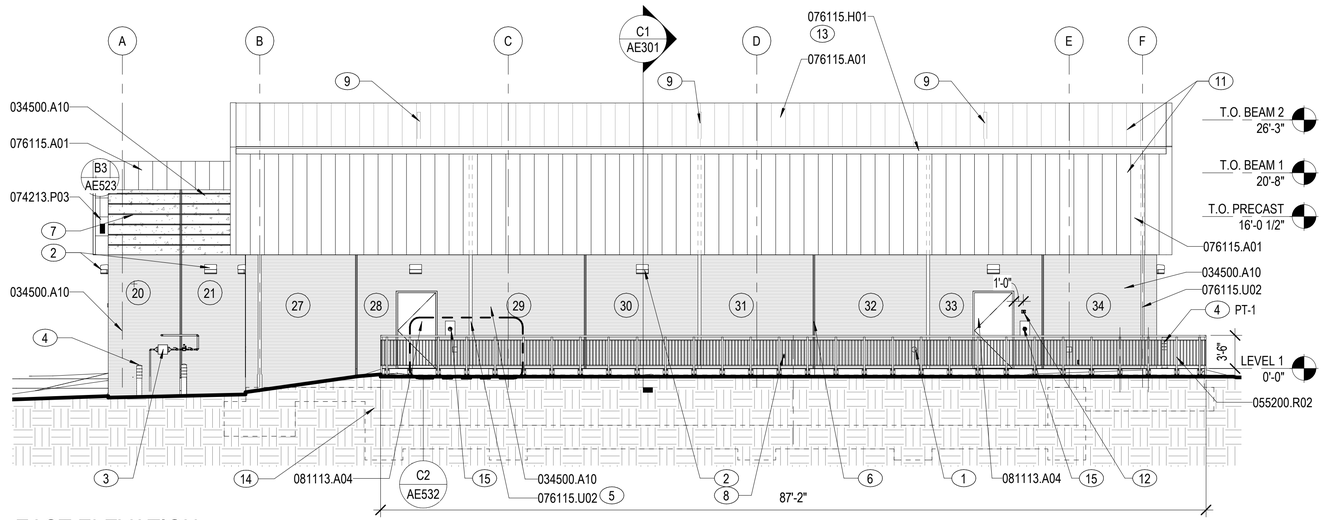
DRAWFORM REVISION: 25 AUG 2020

IBM 360 (200/1, P-485 F35 Operational Support Facility/BLDG P485-1362850.AR .RDT.rvt
12/7/2022 4:38:01 PM



C1 NORTH ELEVATION

1/8" = 1'-0"



A1 EAST ELEVATION

1/8" = 1'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.

B WHERE COLOR IS SHOWN AS BEING SPECIFIC TO ONE MANUFACTURER, AN EQUIVALENT COLOR BY ANOTHER MANUFACTURER MAY BE SUBMITTED FOR APPROVAL. MANUFACTURERS AND MATERIALS SPECIFIED ARE NOT INTENDED TO LIMIT THE SELECTION OF EQUAL COLORS FROM OTHER MANUFACTURERS.

C REFER TO SHEET AE901 FOR 3D AXONOMETRIC VIEWS FOR REFERENCE.

D REFER TO SHEET AE601 FOR DOOR SCHEDULES, DOOR/FRAME ELEVATIONS, WINDOW ELEVATIONS, TRANSLUCENT PANEL ELEVATIONS, AND LOUVER ELEVATIONS.

EXTERIOR FINISH LEGEND

PC-1	ARCHITECTURAL PRECAST CONCRETE SANDBLAST LIGHT - GPK 2569	
PC-2	ARCHITECTURAL PRECAST CONCRETE SANDBLAST MEDIUM - GPK 2569	
MP-1	STANDING SEAM METAL PANEL KINGSPAN SLR SANDSTONE	
TP-1	TRANSLUCENT PANEL KINGSPAN ICE WHITE	

ADDITIONAL FINISHES:

LV-1	LOUVER FRAME / LOUVERS RUSKIN LIGHT STONE
MP-1	SOFFIT PANEL / VERTICAL METAL PANEL KINGSPAN SLR SANDSTONE
TPF-1	TRANSLUCENT PANEL FRAME KINGSPAN WS CLAY
HM-1	HM DOOR / HM DOOR FRAME / DOWNSPOUTS SW 6072 VERSATILE GRAY
OCD-1	OVERHEAD COILING DOOR RAL 7044
GR-1	EXTERIOR GUARD RAIL RAL 7044
PT-1	EXTERIOR BOLLARDS / EXTERIOR GAS METER SW 6072 VERSATILE GRAY

KEY NOTES (00)

1 WALL HYDRANT, TYP. REFER TO PLUMBING DRAWINGS.
2 LIGHT FIXTURE, WALL-MOUNTED, TYP. REFER TO ELECTRICAL DRAWINGS.
3 GAS METER. REFER TO PLUMBING DRAWINGS
4 BOLLARD, TYP. REFER TO DETAIL D1/AE531.
5 DOWNSPOUT, 3" X 4", TYP.
6 1" PRECAST PANEL JOINT, TYP
7 PRECAST REVEAL, TYP
8 WALL OUTLET. REFER TO ELECTRICAL DRAWINGS
9 RADIANT HEATER VENT, REFER TO MECHANICAL DRAWINGS
10 BUILDING SIGN, COORDINATE LOCATION WITH SHEET AG101. REFER TO SEE AG500 SERIES FOR ADDITIONAL DETAILS.
11 ALIGN ALL STANDING SEAM ROOF PANEL FOLDS
12 KNOX BOX 6'-0" A.F.F., REFER TO FIRE ALARM AND LIFE SAFETY DRAWINGS.
13 METAL FLASHING AND DRIP - COLOR TO MATCH STANDING SEAM METAL ROOF PANELS
14 STRUCTURE BEYOND
15 NO SMOKING SIGN. REFER TO SHEET AG501 FOR MORE INFORMATION.

MATERIAL NOTES

033000.B01	CONCRETE SLAB
034500.A10	PRECAST CONCRETE INSULATED WALL PANEL
055200.R02	ALUMINUM TUBE GUARDRAIL
074213.P03	METAL SOFFIT PANEL SYSTEM
076115.A01	STANDING-SEAM METAL ROOF PANEL
076115.H01	METAL FLASHING
076115.U02	DOWNSPOUT
081113.A04	STEEL DOOR, INSULATED
083323.A02	INSULATED OVERHEAD COILING DOOR

0 5' 10' 20' 30'

1/8" = 1'-0" GRAPHIC SCALE

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING

APPR | DATE | DESCRIPTION | MK

NAVFAC

STATE OF FLORIDA
REMLOK OLIVARES ONEIL
AR94763
12/11/2020
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 2/16/2022

ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email

SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW	KJF	CHK	ROD

PM/DM	CJW / SVR
BRANCH MANAGER	DJD
CHIEF ENG/ARCH	EJA
FP ENGINEER	DSN

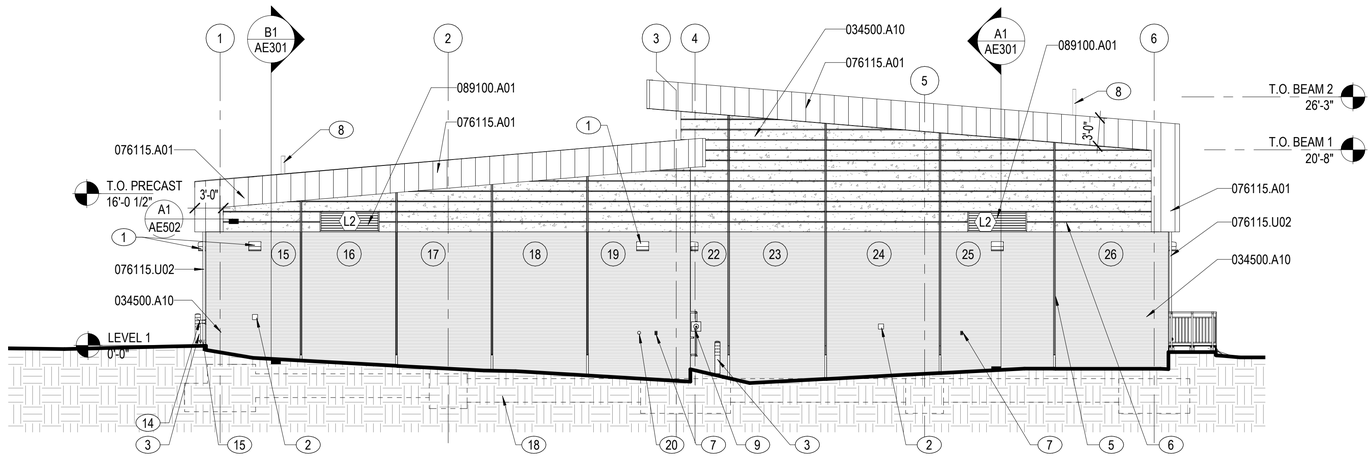
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
BUILDING ELEVATIONS

SCALE: 1/8" = 1'-0"
EPROJECT NO.: 1362850
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.: 12854083
SHEET 62 OF 129

AE201

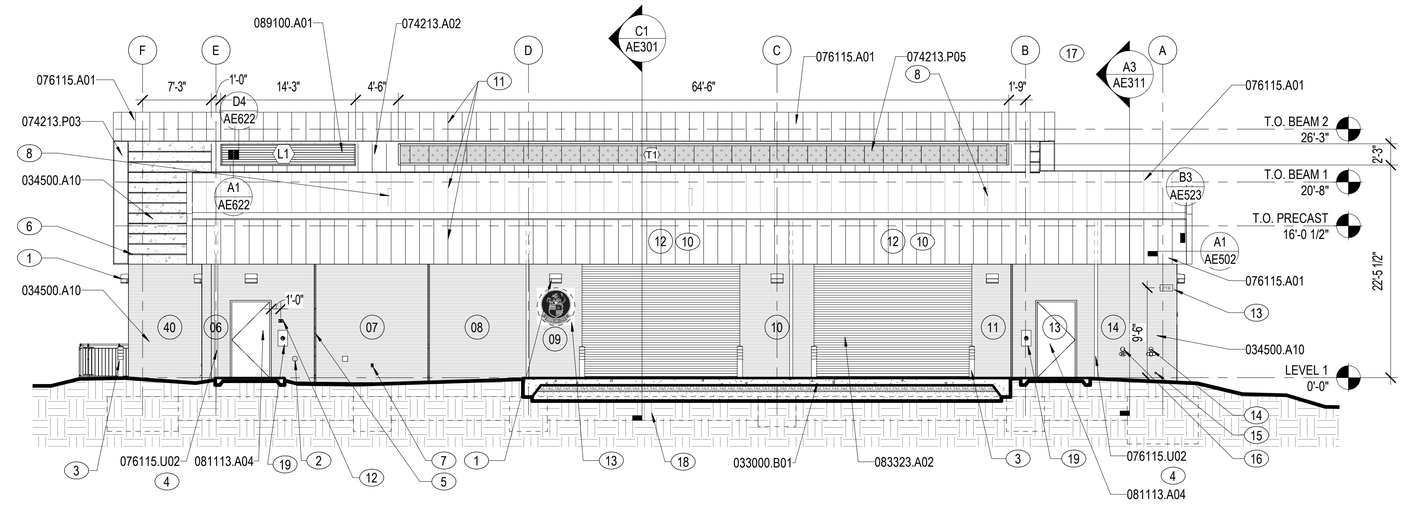
DRAWFORM REVISION: 25 AUG 2020

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C1 SOUTH ELEVATION

1/8" = 1'-0"



A1 WEST ELEVATION

1/8" = 1'-0"

EXTERIOR FINISH LEGEND

PC-1	ARCHITECTURAL PRECAST CONCRETE SANDBLAST LIGHT - GPK 2569
PC-2	ARCHITECTURAL PRECAST CONCRETE SANDBLAST MEDIUM - GPK 2569
MP-1	STANDING SEAM METAL PANEL KINGSPAN SLR SANDSTONE
TP-1	TRANSLUCENT PANEL KINGSPAN ICE WHITE

ADDITIONAL FINISHES:

LV-1	LOUVER FRAME / LOUVERS RUSKIN LIGHT STONE
MP-1	SOFFIT PANEL / VERTICAL METAL PANEL KINGSPAN SLR SANDSTONE
TPF-1	TRANSLUCENT PANEL FRAME KINGSPAN WS CLAY
HM-1	HM DOOR / HM DOOR FRAME / DOWNSPOUTS SW 6072 VERSATILE GRAY
OCD-1	OVERHEAD COILING DOOR RAL 7044
GR-1	EXTERIOR GUARD RAIL RAL 7044
PT-1	EXTERIOR BOLLARDS / EXTERIOR GAS METER SW 6072 VERSATILE GRAY

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.

B WHERE COLOR IS SHOWN AS BEING SPECIFIC TO ONE MANUFACTURER, AN EQUIVALENT COLOR BY ANOTHER MANUFACTURER MAY BE SUBMITTED FOR APPROVAL. MANUFACTURERS AND MATERIALS SPECIFIED ARE NOT INTENDED TO LIMIT THE SELECTION OF EQUAL COLORS FROM OTHER MANUFACTURERS.

C REFER TO SHEET AE901 FOR 3D AXONOMETRIC VIEWS FOR REFERENCE.

D REFER TO SHEET AE601 FOR DOOR SCHEDULES, DOOR/FRAME ELEVATIONS, WINDOW ELEVATIONS, TRANSLUCENT PANEL ELEVATIONS, AND LOUVER ELEVATIONS.

KEY NOTES (00)

1 LIGHT FIXTURE, WALL-MOUNTED, TYP. REFER TO ELECTRICAL DRAWINGS.
2 WALL HYDRANT, TYP. REFER TO PLUMBING DRAWINGS.
3 BOLLARD, TYP. REFER TO DETAIL D1/AE531.
4 DOWNSPOUT, 3" X 4", TYP.
5 1" PRECAST PANEL JOINT
6 PRECAST REVEAL.
7 WALL OUTLET. REFER TO ELECTRICAL DRAWINGS
8 RADIANT HEATER VENT, REFER TO MECHANICAL DRAWINGS
9 GAS METER. REFER TO PLUMBING DRAWINGS
10 PRECAST PANEL BEYOND.
11 ALIGN ALL STANDING SEAM ROOF PANEL FOLDS
12 KNOX BOX 6'-0" A.F.F., REFER TO FIRE ALARM DRAWINGS FOR ADDITIONAL INFORMATION. KNOX BOX WILL NOT SUPERVISED.
13 BUILDING SIGN, COORDINATE LOCATION WITH SHEET AG101. REFER TO SEE AG500 SERIES FOR ADDITIONAL DETAILS.
14 BACKFLOW TEST HEADER, REFER TO FIRE PROTECTION DRAWINGS
15 BACKFLOW DRAIN VALVE, REFER TO FIRE PROTECTION DRAWINGS
16 FIRE DEPARTMENT CONNECTION, REFER TO FIRE PROTECTION DRAWINGS
17 METAL FLASHING AND DRIP - COLOR TO MATCH STANDING SEAM METAL ROOF PANELS
18 STRUCTURE BEYOND
19 NO SMOKING SIGN. REFER TO SHEET AG501 FOR MORE INFORMATION.
20 CONDENSATE DRAIN FOR FIRE ALARM CABINET, REFER TO FIRE PROTECTION DRAWINGS

MATERIAL NOTES

033000.B01	CONCRETE SLAB
034500.A10	PRECAST CONCRETE INSULATED WALL PANEL
074213.A02	INSULATED METAL WALL PANEL SYSTEM
074213.P03	METAL SOFFIT PANEL SYSTEM
074213.P05	TRANSLUCENT PANEL SYSTEM
076115.A01	STANDING-SEAM METAL ROOF PANEL
076115.U02	DOWNSPOUT
081113.A04	STEEL DOOR, INSULATED
083323.A02	INSULATED OVERHEAD COILING DOOR
089100.A01	EXTRUDED ALUMINUM WALL LOUVER

0 5' 10' 20' 30'

1/8" = 1'-0" GRAPHIC SCALE

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING

APPR	DATE	MK	DESCRIPTION

NAVFAC

STATE OF FLORIDA
REMILOK OLIVARES DIEZ
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 2/16/2022

ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email

SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW	KJF	CHK	ROD

PM/DM	CJW / SVR
BRANCH MANAGER	DJD
CHIEF ENG/ARCH	EJA
FP ENGINEER	DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
MCAS BEAUFORT

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NORFOLK, VIRGINIA

BEAUFORT, SC

P-485 F35 OPERATIONS SUPPORT FACILITY

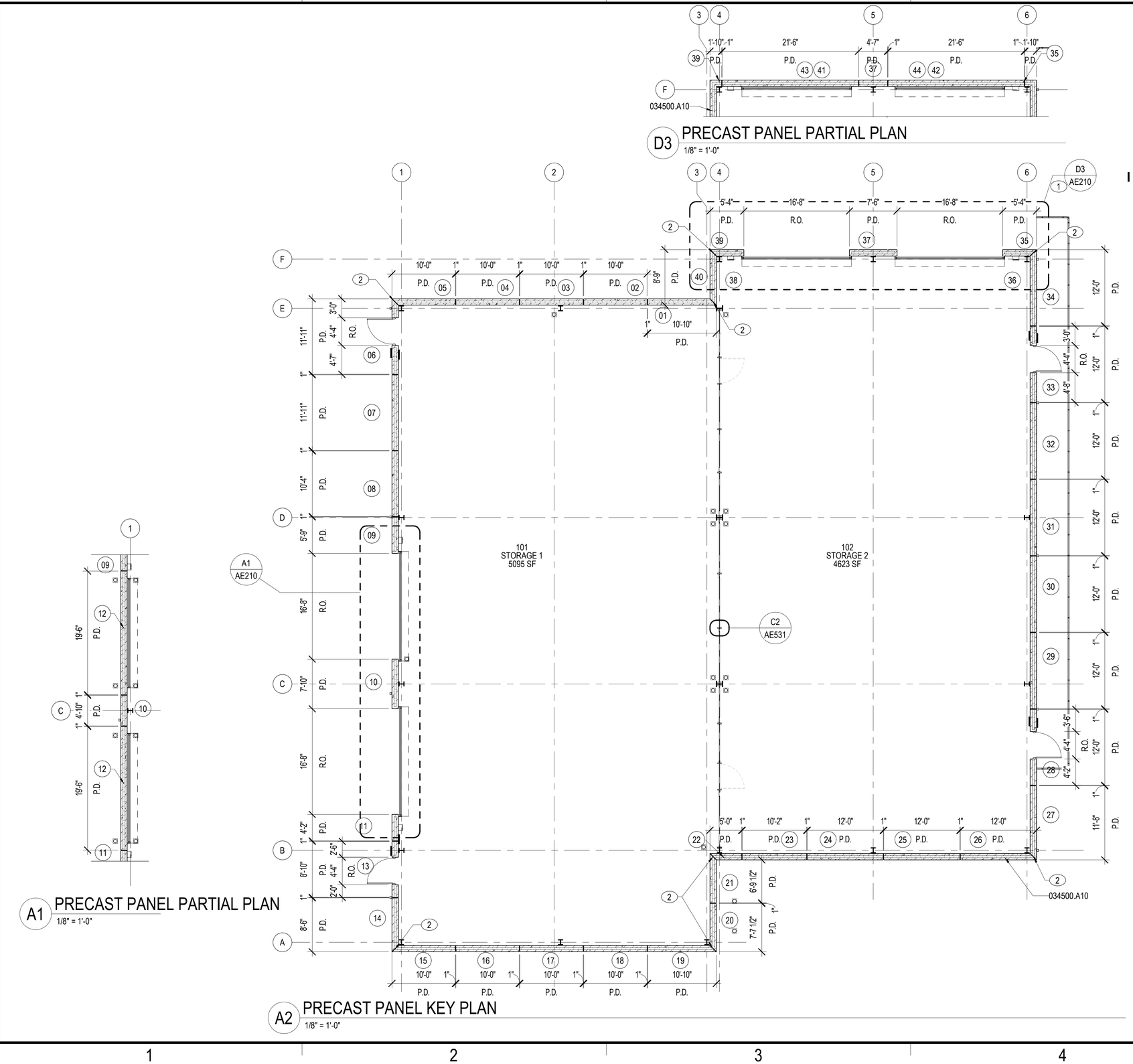
BUILDING ELEVATIONS

SCALE:	1/8" = 1'-0"
EPROJECT NO.:	1362850
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12854084
SHEET	63 OF 129

AE202

DRAWFORM REVISION: 25 AUG 2020

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NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.

B REFER TO SHEETS AE211-AE215 FOR PRECAST PANEL ELEVATIONS.

C PRECAST PANELS ARE BASED ON A 1" JOINT BETWEEN PANELS. PRECAST PANEL REVEALS ARE BASED ON A 3/4" REVEAL. PRECAST PANEL REVEALS DIMENSIONED TO THE TOP OF REVEAL, UNO.

D COORDINATE DOOR, WINDOW, AND OTHER OPENINGS WITH ARCHITECTURE AND ENGINEERING DRAWINGS.

E COORDINATE ALL PENETRATIONS WITH ARCHITECTURE AND ENGINEERING DRAWINGS.

F THE NUMBER OF PANEL TYPES CAN BE REDUCED PER CONCRETE PANEL MANUFACTURER RECOMMENDATIONS, WITH ARCHITECT'S APPROVAL.

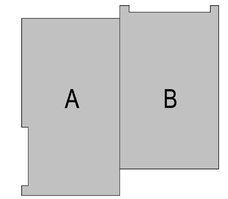
KEY NOTES (00)

1 REFER TO PRECAST PANEL PARTIAL PLAN FOR AREA ABOVE COILING DOORS.

2 MITERED JOINT

MATERIAL NOTES

034500.A10 PRECAST CONCRETE INSULATED WALL PANEL



KEYPLAN

N PLAN NORTH

0 5' 10' 20' 30'

1/8" = 1'-0" GRAPHIC SCALE

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING

MARK	DESCRIPTION	DATE	APPR

NAVFAC

STATE OF FLORIDA
REMICK OLIVARES DALE
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 2/16/2022

ACTIVITY: Approved by J. Scott Roberts, Asset Management Branch Head & Supervisory Facility Planner, PWD Beaufort, SC via email

SATISFACTORY TO	DATE 12/17/2021
DES EAD	DRW KJF / CHK ROD
PM/DM	CJW / SVR
BRANCH MANAGER	DJD
CHIEF ENG/ARCH	EJA
FP ENGINEER	DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
MCAS BEAUFORT

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NORFOLK, VIRGINIA

BEAUFORT, SC

P-485 F35 OPERATIONS SUPPORT FACILITY

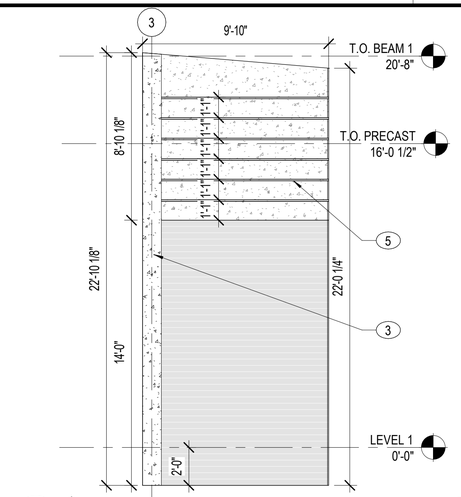
PRECAST PANEL KEY PLAN

SCALE:	1/8" = 1'-0"
EPROJECT NO.:	1362850
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12854085
SHEET	64 OF 129

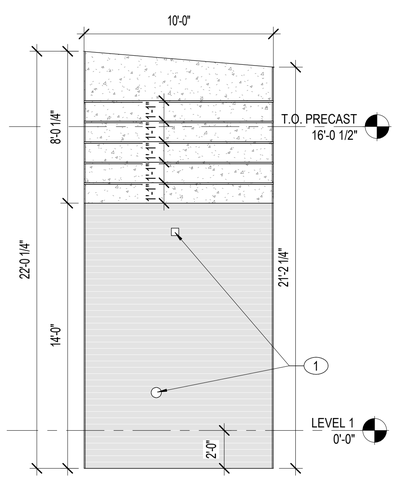
AE210

DRAWFORM REVISION: 25 AUG 2020

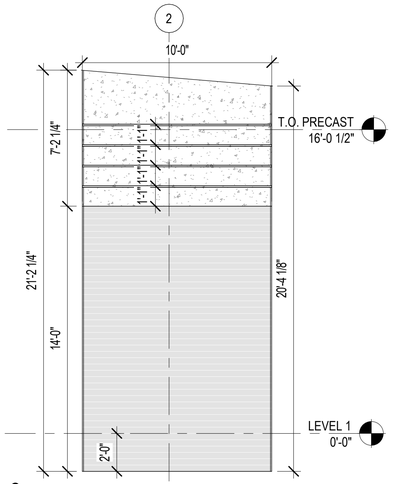
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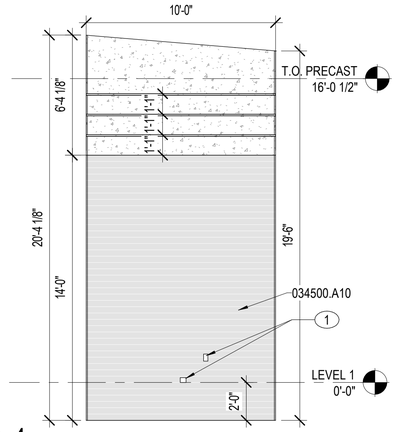
C1 1
1/4" = 1'-0"



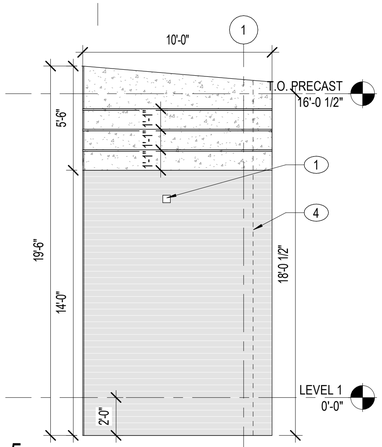
C2 2
1/4" = 1'-0"



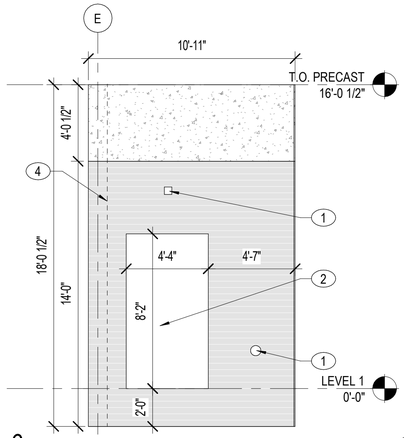
C3 3
1/4" = 1'-0"



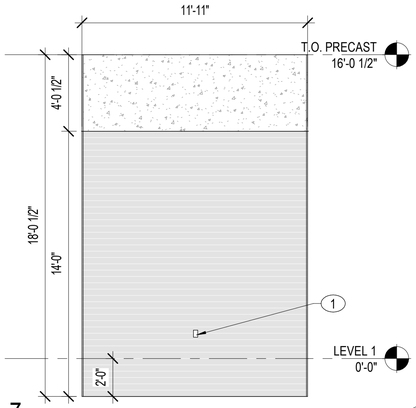
C4 4
1/4" = 1'-0"



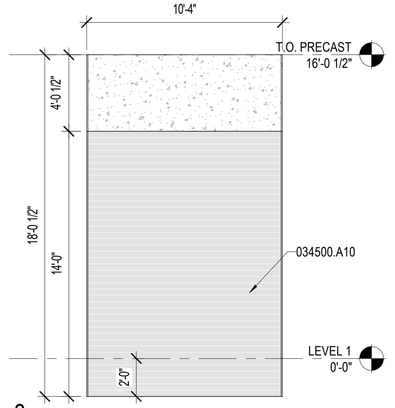
B1 5
1/4" = 1'-0"



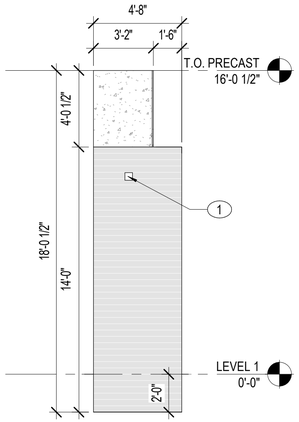
B2 6
1/4" = 1'-0"



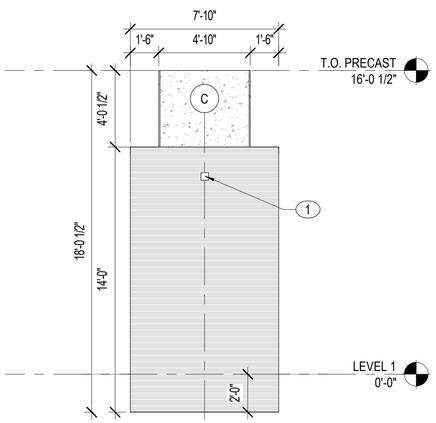
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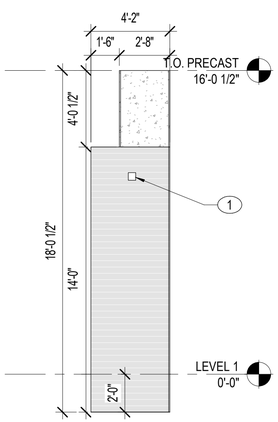
B4 8
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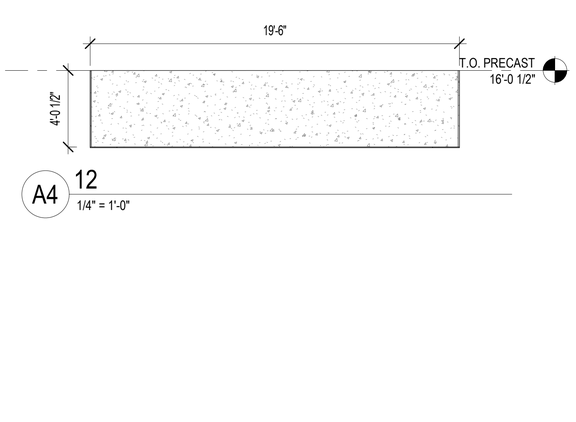
A1 9
1/4" = 1'-0"



A2 10
1/4" = 1'-0"



A3 11
1/4" = 1'-0"



A4 12
1/4" = 1'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.

B REFER TO SHEETS AE210 AND AE211-AE215 FOR PRECAST PANEL LOCATIONS.

C PRECAST PANELS ARE BASED ON A 1" JOINT BETWEEN PANELS. PRECAST PANEL REVEALS ARE BASED ON A 3/4" REVEAL. PRECAST PANEL REVEALS DIMENSIONED TO THE TOP OF REVEAL, UNO.

D DIMENSIONS ARE FROM EDGE OF PRECAST.

E PANEL ELEVATIONS ARE MEANT TO BE A DESIGN GUIDE. PRECAST MANUFACTURER TO VERIFY FINAL DIMENSIONS AND PRECAST PENETRATIONS PRIOR TO FABRICATION.

F REFER TO SHEET AE521 FOR TYPICAL PRECAST PANEL JOINT DETAILS.

G ALL PRECAST PANELS ARE 12" MINIMUM TOTAL THICKNESS.

H COORDINATE DOOR, WINDOW AND OTHER OPENINGS WITH ARCHITECTURE AND ENGINEERING DRAWINGS.

I COORDINATE BOTTOM OF PANEL WITH STRUCTURAL GRADE BEAM LOCATIONS.

J COORDINATE ALL DEVICES AND OPENINGS ON PRECAST PANELS.

KEY NOTES (00)

1 COORDINATE UTILITY OPENING AND PENETRATIONS IN PRECAST. TYPICAL. SEE ELECTRICAL, MECHCANICAL AND PLUMBING DRAWINGS FOR MORE INFORMATION

2 ROUGH OPENING FOR DOOR

3 MITERED CORNER CONNECTION

4 MITERED CORNER CONNECTION ON BACK OF PANEL

5 PRECAST PANEL REVEAL.

MATERIAL NOTES

034500.A10 PRECAST CONCRETE INSULATED WALL PANEL

EXTERIOR FINISH LEGEND		
PC-1	ARCHITECTURAL PRECAST CONCRETE SANDBLAST LIGHT - GPK 2569	
PC-2	ARCHITECTURAL PRECAST CONCRETE SANDBLAST MEDIUM - GPK 2569	

0 1' 5' 10' 15'

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

NOTE:
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APPR | DATE | MK | DESCRIPTION

NAVFAC

STATE OF FLORIDA
REMLOK OLIVARES DELGADO
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
Approved by J. Scott Roberts, Asset Management Branch Head & Supervisory Facility Planner, PWD Beaufort, SC via email
FOR COMMANDER NAVFAC 2/16/2022

ACTIVITY
SATISFACTORY TO DATE 12/17/2021
DES EAD DRW KJF CHK ROD
PM/DM CJW / SVR
BRANCH MANAGER DJD
CHIEF ENG/ARCH EJA
FP ENGINEER DSN

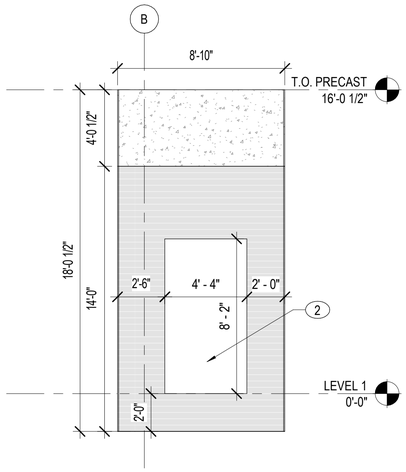
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
PRECAST PANEL ELEVATIONS

SCALE: As indicated
EPROJECT NO.: 1362850
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12854086
SHEET 65 OF 129

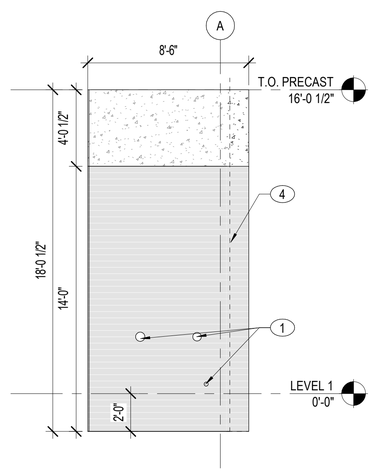
AE211

DRAWFORM REVISION: 25 AUG 2020

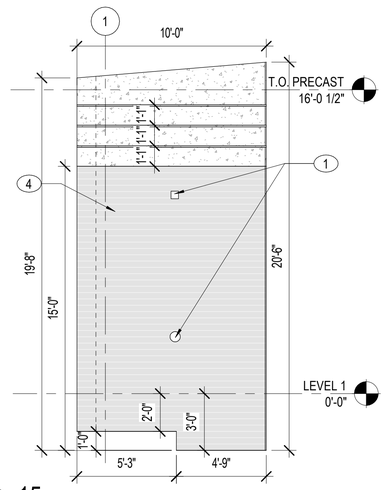
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12/7/2022 1:28:31 PM



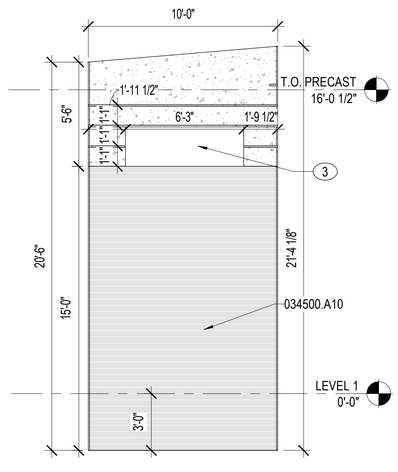
B1 13
1/4" = 1'-0"



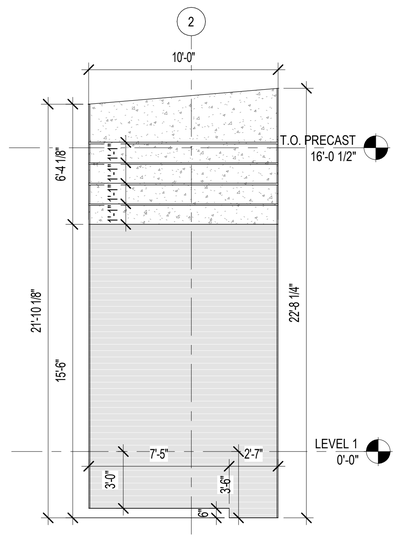
B2 14
1/4" = 1'-0"



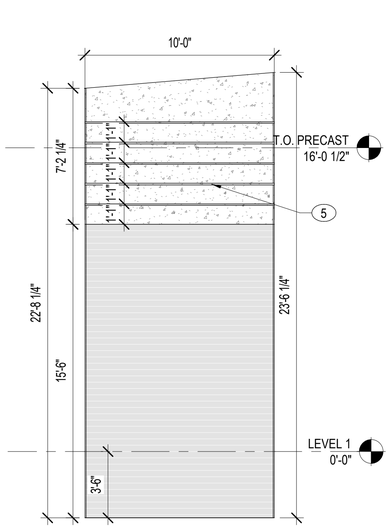
B3 15
1/4" = 1'-0"



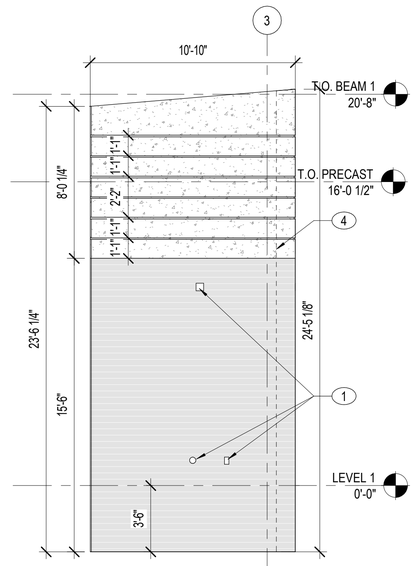
B4 16
1/4" = 1'-0"



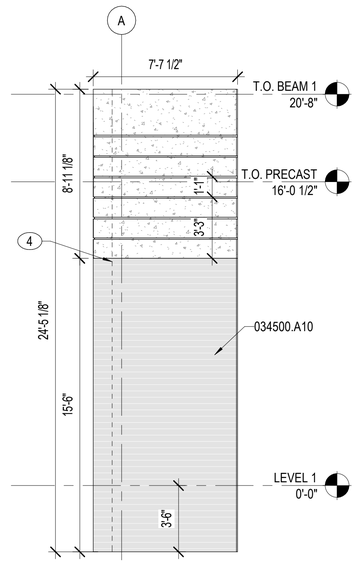
A1 17
1/4" = 1'-0"



A2 18
1/4" = 1'-0"



A3 19
1/4" = 1'-0"



A4 20
1/4" = 1'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.
B REFER TO SHEETS AE210 AND AE211-AE215 FOR PRECAST PANEL LOCATIONS.
C PRECAST PANELS ARE BASED ON A 1" JOINT BETWEEN PANELS. PRECAST PANEL REVEALS ARE BASED ON A 3/4" REVEAL. PRECAST PANEL REVEALS DIMENSIONED TO THE TOP OF REVEAL, UNO.
D DIMENSIONS ARE FROM EDGE OF PRECAST.
E PANEL ELEVATIONS ARE MEANT TO BE A DESIGN GUIDE. PRECAST MANUFACTURER TO VERIFY FINAL DIMENSIONS AND PRECAST PENETRATIONS PRIOR TO FABRICATION.
F REFER TO SHEET AE521 FOR TYPICAL PRECAST PANEL JOINT DETAILS.
G ALL PRECAST PANELS ARE 12" MINIMUM TOTAL THICKNESS.
H COORDINATE DOOR, WINDOW AND OTHER OPENINGS WITH ARCHITECTURE AND ENGINEERING DRAWINGS.
I COORDINATE BOTTOM OF PANEL WITH STRUCTURAL GRADE BEAM LOCATIONS.
J COORDINATE ALL DEVICES AND OPENINGS ON PRECAST PANELS.

KEY NOTES (00)

1 COORDINATE UTILITY OPENING AND PENETRATIONS IN PRECAST. TYPICAL. SEE ELECTRICAL, MECHCANICAL AND PLUMBING DRAWINGS FOR MORE INFORMATION
2 ROUGH OPENING FOR DOOR
3 ROUGH OPENING FOR LOUVER
4 MITERED CORNER CONNECTION ON BACK OF PANEL
5 PRECAST PANEL REVEAL.

MATERIAL NOTES

034500.A10 PRECAST CONCRETE INSULATED WALL PANEL

EXTERIOR FINISH LEGEND		
PC-1	ARCHITECTURAL PRECAST CONCRETE SANDBLAST LIGHT - GPK 2569	
PC-2	ARCHITECTURAL PRECAST CONCRETE SANDBLAST MEDIUM - GPK 2569	

0 1' 5' 10' 15'
1/4" = 1'-0" GRAPHIC SCALE

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING

APPR | DATE | DESCRIPTION | MK

NAVFAC

STATE OF FLORIDA
REMICK OLIVARES DELGADO
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 2/16/2022

ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email

SATISFACTORY TO		DATE	12/17/2021
DES	EAD	DRW	KJF
CHK	ROD		
PMDM	CJW / SVR		
BRANCH MANAGER	DJD		
CHIEF ENG/ARCH	EJA		
FP ENGINEER	DSN		

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
MCAS BEAUFORT

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NORFOLK, VIRGINIA

BEAUFORT, SC

P-485 F35 OPERATIONS SUPPORT FACILITY

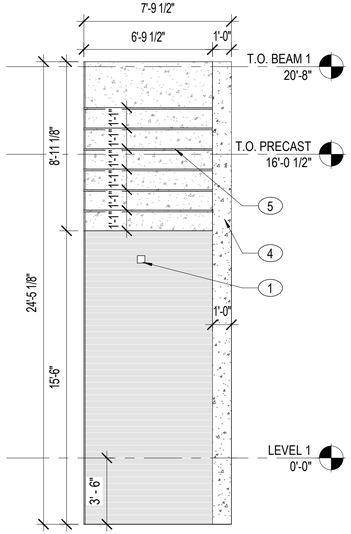
PRECAST PANEL ELEVATIONS

SCALE:	As indicated		
EPROJECT NO.:	1362850		
CONSTR. CONTR. NO.			
NAVFAC DRAWING NO.	12854087		
SHEET	66	OF	129

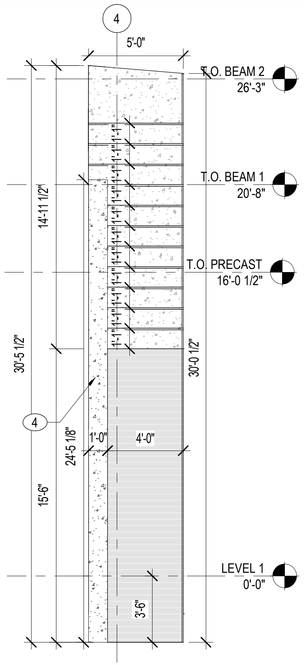
AE212

DRAWFORM REVISION: 25 AUG 2020

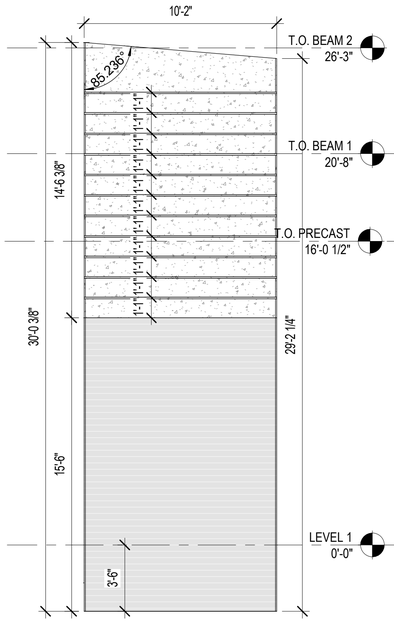
BIM 360://20274 - P-485 F-35 Operational Support Facility/BLDG-P485-1362850-AR_R20.rvt
12/7/2022 1:38:31 PM



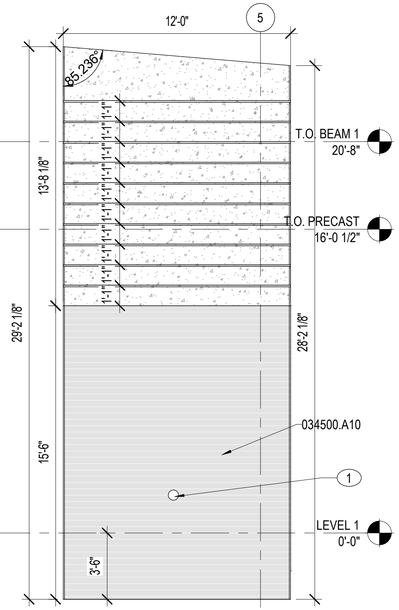
C1 21
1/4" = 1'-0"



C2 22
1/4" = 1'-0"



C3 23
1/4" = 1'-0"



C4 24
1/4" = 1'-0"

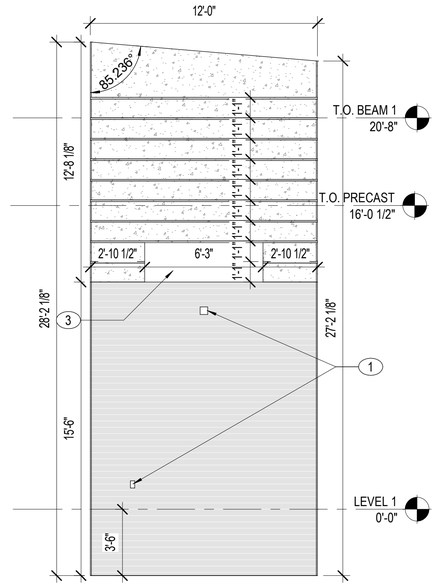
NOTES:

SHEET NOTES:

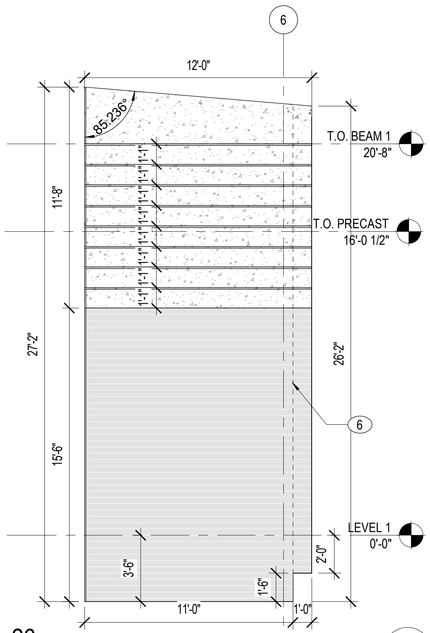
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KEY NOTES (00)

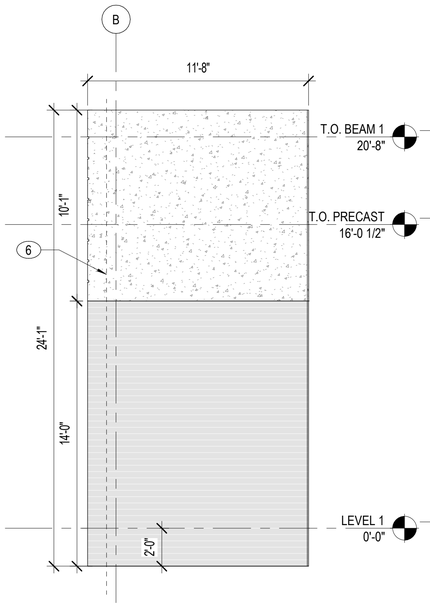
1 COORDINATE UTILITY OPENING AND PENETRATIONS IN PRECAST. TYPICAL. SEE ELECTRICAL, MECHCANICAL AND PLUMBING DRAWINGS FOR MORE INFORMATION
2 ROUGH OPENING FOR DOOR
3 ROUGH OPENING FOR LOUVER
4 MITERED CORNER CONNECTION
5 PRECAST PANEL REVEAL.
6 MITERED CORNER CONNECTION ON BACK OF PANEL



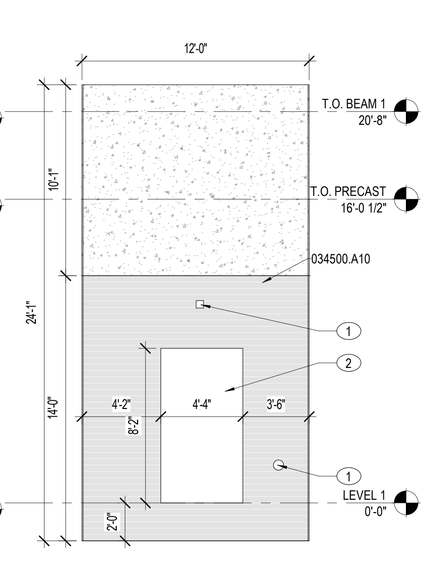
A1 25
1/4" = 1'-0"



A2 26
1/4" = 1'-0"



A3 27
1/4" = 1'-0"



A4 28
1/4" = 1'-0"

MATERIAL NOTES

034500.A10 PRECAST CONCRETE INSULATED WALL PANEL

EXTERIOR FINISH LEGEND		
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PC-2	ARCHITECTURAL PRECAST CONCRETE SANDBLAST MEDIUM - GPK 2569	

0 1' 5' 10' 15'
1/4" = 1'-0" GRAPHIC SCALE

NOTE:
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APPR | DATE | DESCRIPTION | MK

NAVFAC

STATE OF FLORIDA
REBECCA OLIVARES DALEY
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
CONSULTING ENGINEERS

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 12/16/2021
ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC. via email

SATISFACTORY TO		DATE	12/17/2021
DES	EAD	DRW KJF	CHK ROD
PM/DM			CJW / SVR
BRANCH MANAGER			DJD
CHIEF ENG/ARCH			EJA
FP ENGINEER			DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CODE: MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC

P-485 F35 OPERATIONS SUPPORT FACILITY

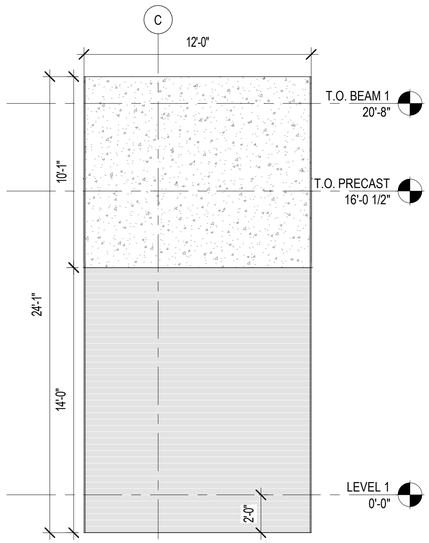
PRECAST PANEL ELEVATIONS

SCALE:	As indicated
EPR/PROJECT NO.:	1362850
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12854088
SHEET	67 OF 129

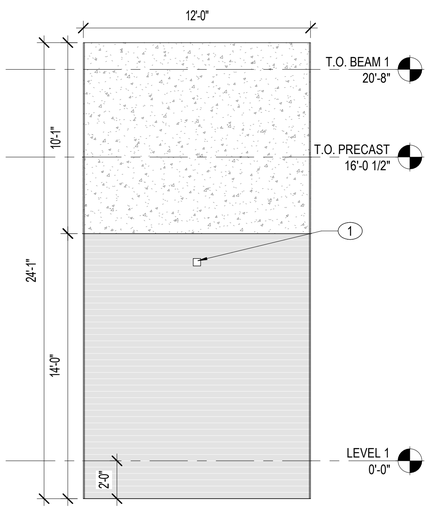
AE213

DRAWFORM REVISION: 25 AUG 2020

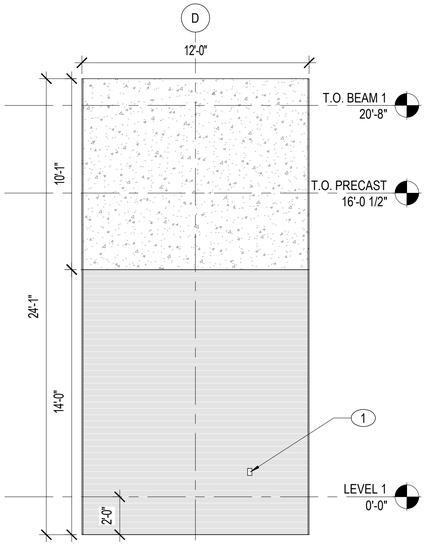
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12/7/2022 4:39:42 PM



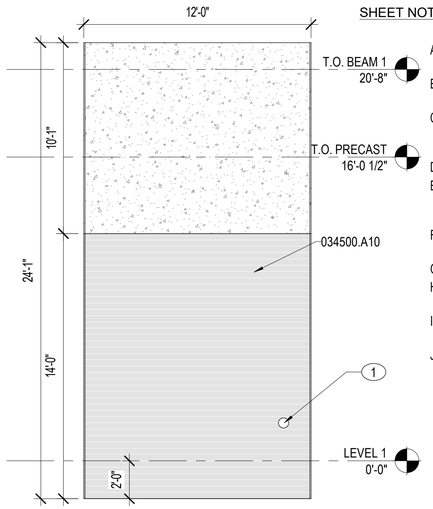
C1 29
1/4" = 1'-0"



C2 30
1/4" = 1'-0"



C3 31
1/4" = 1'-0"



C4 32
1/4" = 1'-0"

NOTES:

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I COORDINATE BOTTOM OF PANEL WITH STRUCTURAL GRADE BEAM LOCATIONS.

J COORDINATE ALL DEVICES AND OPENINGS ON PRECAST PANELS.

KEY NOTES (00)

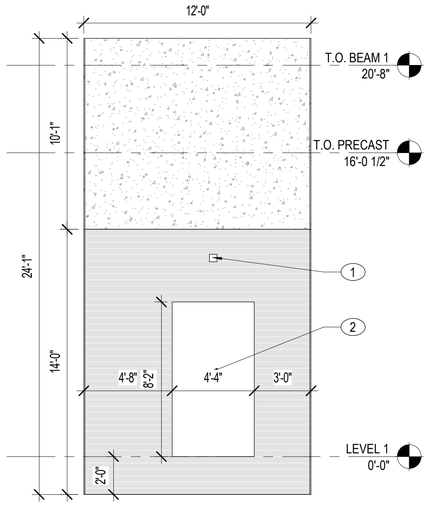
1 COORDINATE UTILITY OPENING AND PENETRATIONS IN PRECAST. TYPICAL. SEE ELECTRICAL, MECHCANICAL AND PLUMBING DRAWINGS FOR MORE INFORMATION

2 ROUGH OPENING FOR DOOR

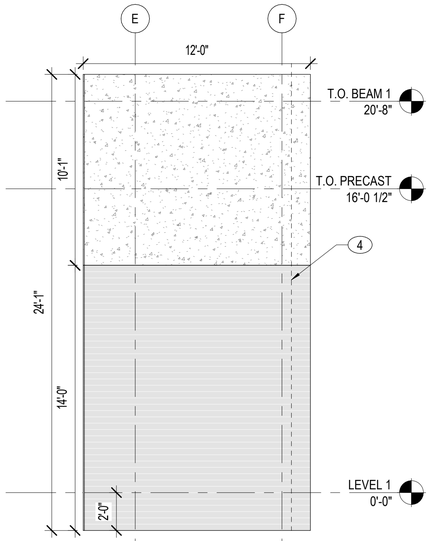
3 PRECAST REVEAL.

4 MITERED CORNER CONNECTION ON BACK OF PANEL

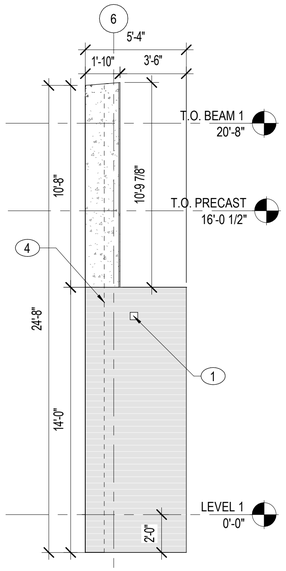
5 PRECAST PANEL REVEAL.



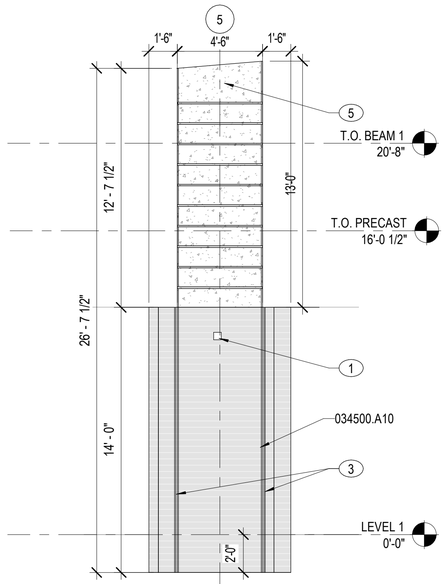
A1 33
1/4" = 1'-0"



A2 34
1/4" = 1'-0"



A3 35
1/4" = 1'-0"



A4 37
1/4" = 1'-0"

MATERIAL NOTES

034500.A10 PRECAST CONCRETE INSULATED WALL PANEL

EXTERIOR FINISH LEGEND		
PC-1	ARCHITECTURAL PRECAST CONCRETE SANDBLAST LIGHT - GPK 2569	
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0 1' 5' 10' 15'

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APPR | DATE | DESCRIPTION | MK

NAVFAC

STATE OF FLORIDA
REMICK OLIVARES DIEGO
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
James E. Donahue, R.A.
FOR COMMANDER NAVFAC 2/16/2022
ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email
SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW	KJF	CHK	ROD
PMDM					CJW / SVR
BRANCH MANAGER					DJD
CHIEF ENG/ARCH					EJA
FP ENGINEER					DSN

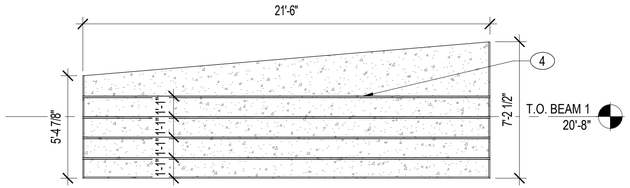
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CODE:
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
PRECAST PANEL ELEVATIONS

SCALE:	As indicated
EPROJECT NO.:	1362850
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12854089
SHEET	68 OF 129

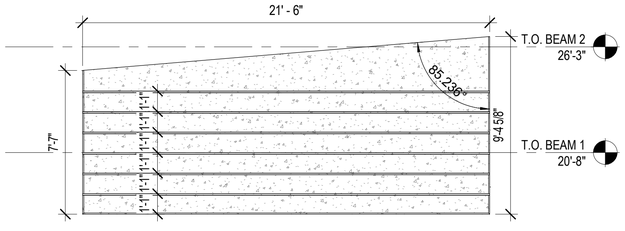
AE214

DRAWFORM REVISION: 25 AUG 2020

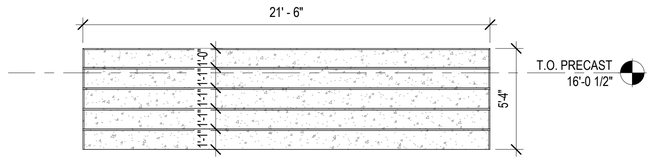
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12/7/2022 4:38:47 PM



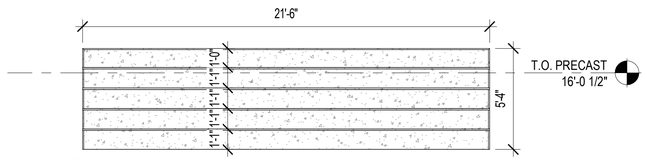
D1 44
1/4" = 1'-0"



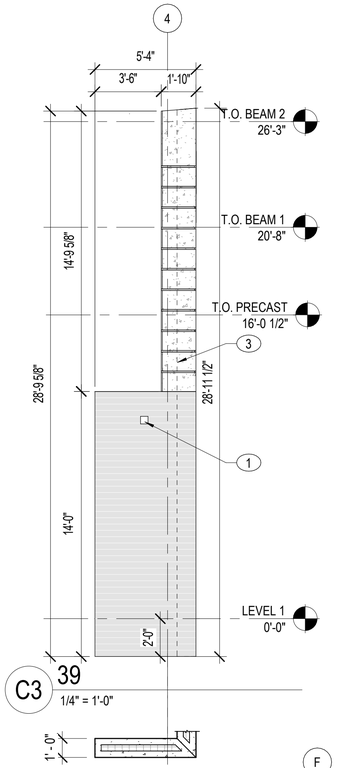
C1 43
1/4" = 1'-0"



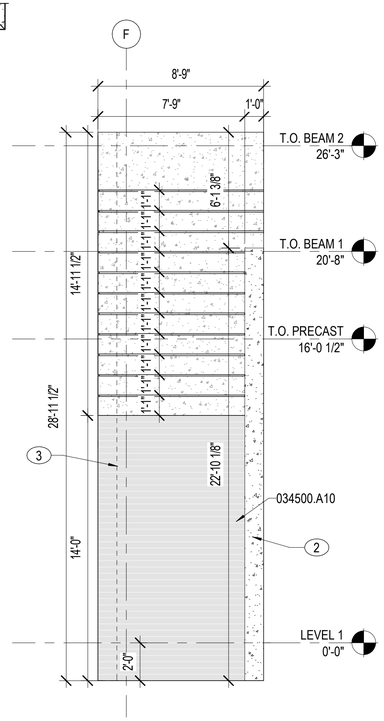
B1 41
1/4" = 1'-0"



A1 42
1/4" = 1'-0"



C3 39
1/4" = 1'-0"



A3 40
1/4" = 1'-0"

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NAVFAC

STATE OF FLORIDA
REBECCA OLIVAREZ DALEY
AR94763
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
Jaime D. Donahue, P.E.
FOR COMMANDER NAVFAC 2/16/2022
ACTIVITY: Approved by J. Scott Roberts, Asset Management Branch Head & Supervisory Facility Planner, PWD Beaufort, SC via email
SATISFACTORY TO DATE 12/17/2021
DES EAD | DRW KJF | CHK ROD
PM/DM CJW / SVR
BRANCH MANAGER DJD
CHIEF ENG/ARCH EJA
FP ENGINEER DSN

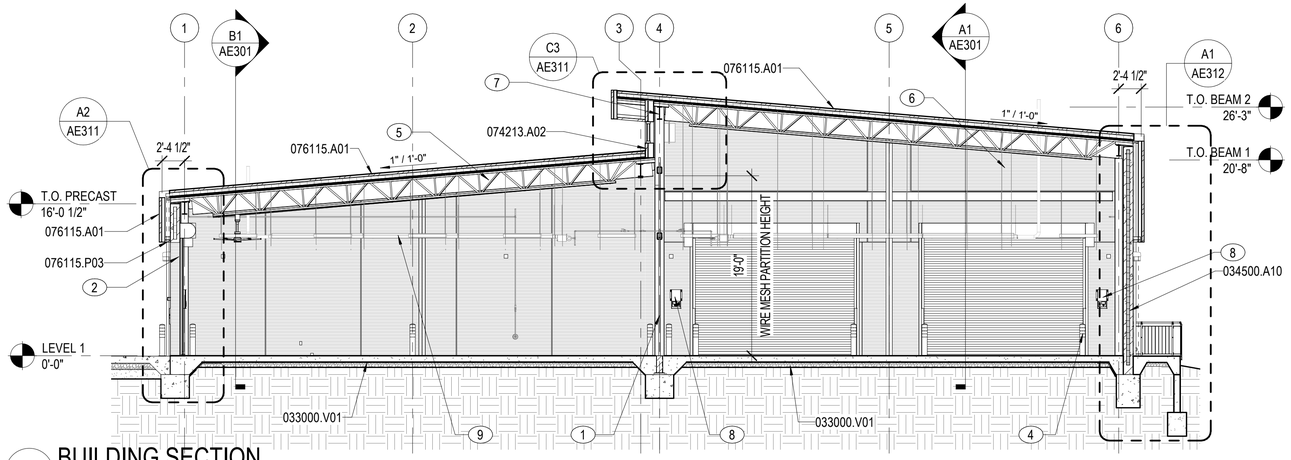
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NORFOLK, VIRGINIA
MCAS BEAUFORT
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
PRECAST PANEL ELEVATIONS

SCALE: As indicated
EP/PROJECT NO.: 1362850
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12854090
SHEET 69 OF 129

AE215

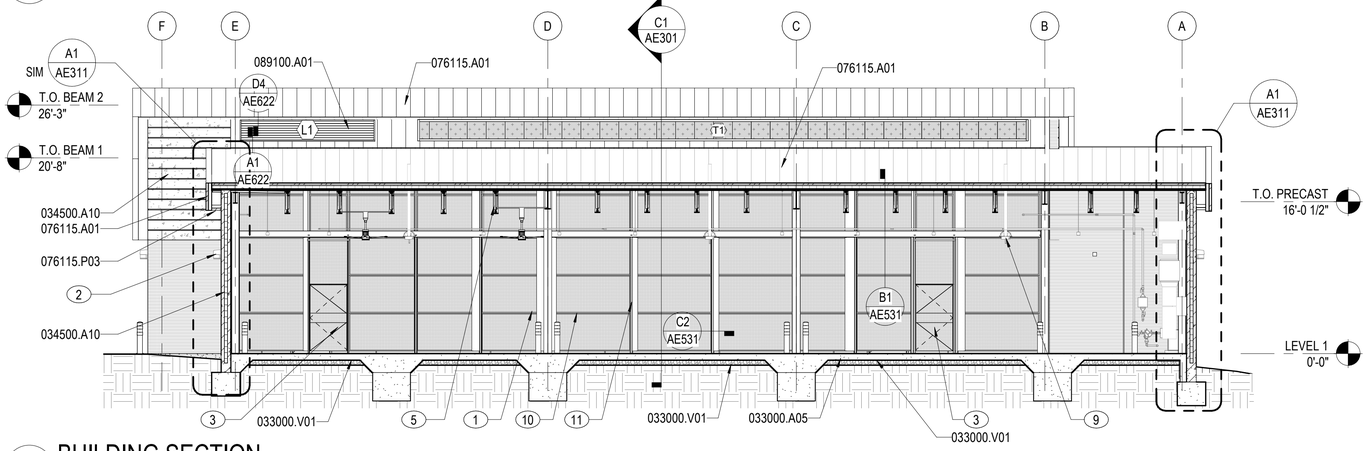
DRAWFORM REVISION: 25 AUG 2020

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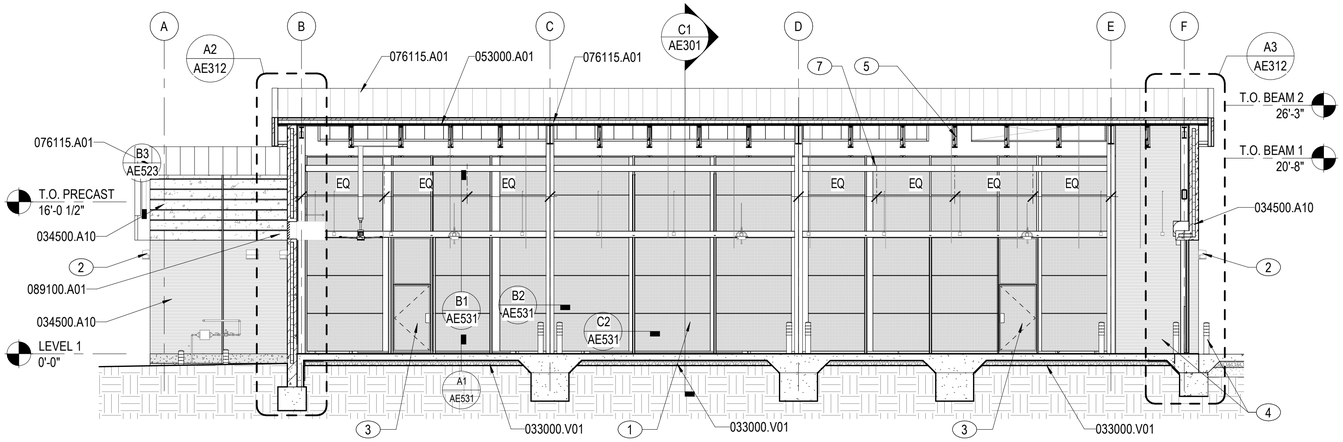
C1 BUILDING SECTION

1/8" = 1'-0"



B1 BUILDING SECTION

1/8" = 1'-0"



A1 BUILDING SECTION

1/8" = 1'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.

B REFER TO SHEET AE901 FOR 3D AXONOMETRIC VIEWS FOR REFERENCE.

KEY NOTES (00)

1 WIRE MESH PARTITION, 19'-0" HIGH.
2 LIGHT FIXTURE, WALL-MOUNTED, TYP. REFER TO ELECTRICAL DRAWINGS.
3 WIRE MESH SWING DOOR, 4'-0" WIDE x 8-0" HIGH.
4 BOLLARD, TYP. REFER TO DETAIL D1/AE531.
5 STEEL JOIST. REFER TO STRUCTURAL DRAWINGS.
6 STEEL TRUSS. REFER TO STRUCTURAL DRAWINGS.
7 STEEL BEAM. REFER TO STRUCTURAL DRAWINGS.
8 OVERHEAD COILING DOOR CONTROL BOX
9 RADIANT HEATER, REFER TO MECHANICAL DRAWINGS
10 1 1/2"x 1/2" x 1/8" CHANNELS FOR CENTER RAILS (2) REQUIRED
11 2" x 2" x 1/8" TUBE

MATERIAL NOTES

033000.A05	CONCRETE FLOOR
033000.V01	VAPOR BARRIER
034500.A10	PRECAST CONCRETE INSULATED WALL PANEL
053000.A01	STEEL DECK
074213.A02	INSULATED METAL WALL PANEL SYSTEM
076115.A01	STANDING-SEAM METAL ROOF PANEL
076115.P03	METAL SOFFIT PANEL SYSTEM
089100.A01	EXTRUDED ALUMINUM WALL LOUVER

0 5' 10' 20' 30'

1/8" = 1'-0" GRAPHIC SCALE

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING

NO.	DESCRIPTION	DATE	APPR

NAVFAC

STATE OF FLORIDA
REBECCA OLIVAREZ DALE
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 12/16/2022

ACTIVITY: Approved by J. Scott Roberts, Asset Management Branch Head & Supervisory Facility Planner, PWD Beaufort, SC via email

SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW	KJF	CHK	ROD
PMDM					CJW / SVR
BRANCH MANAGER					DJD
CHIEF ENG/ARCH					EJA
FP ENGINEER					DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
MCAS BEAUFORT

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC

P-485 F35 OPERATIONS SUPPORT FACILITY

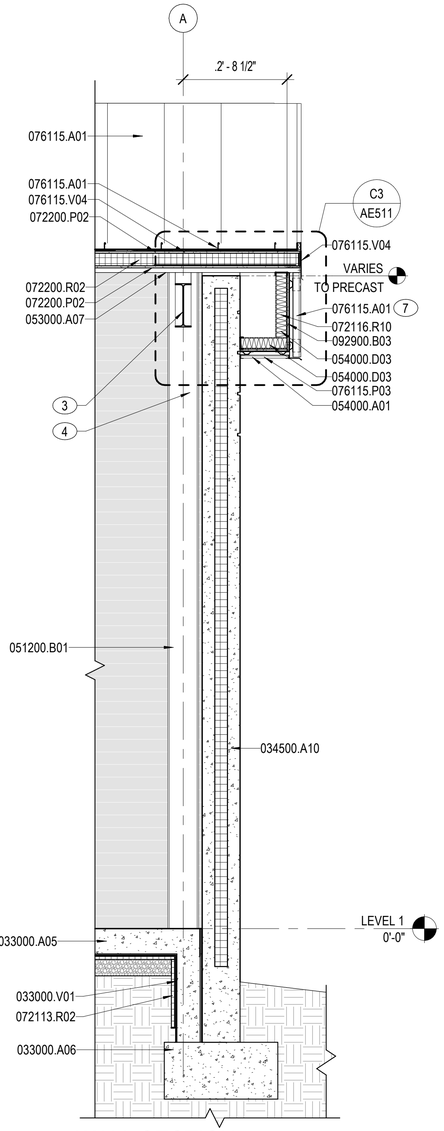
BUILDING SECTIONS

SCALE:	1/8" = 1'-0"
EPROJECT NO.:	1362850
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12854091
SHEET	70 OF 129

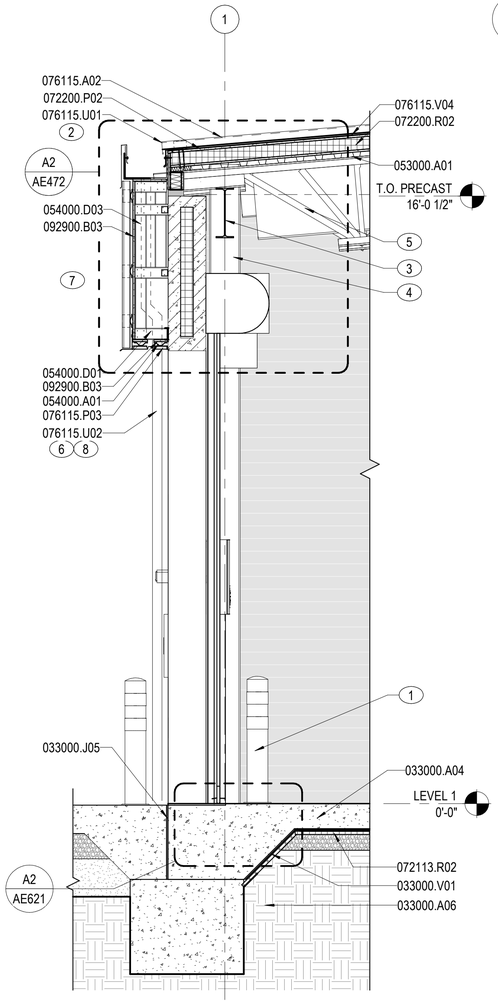
AE301

DRAWFORM REVISION: 25 AUG 2020

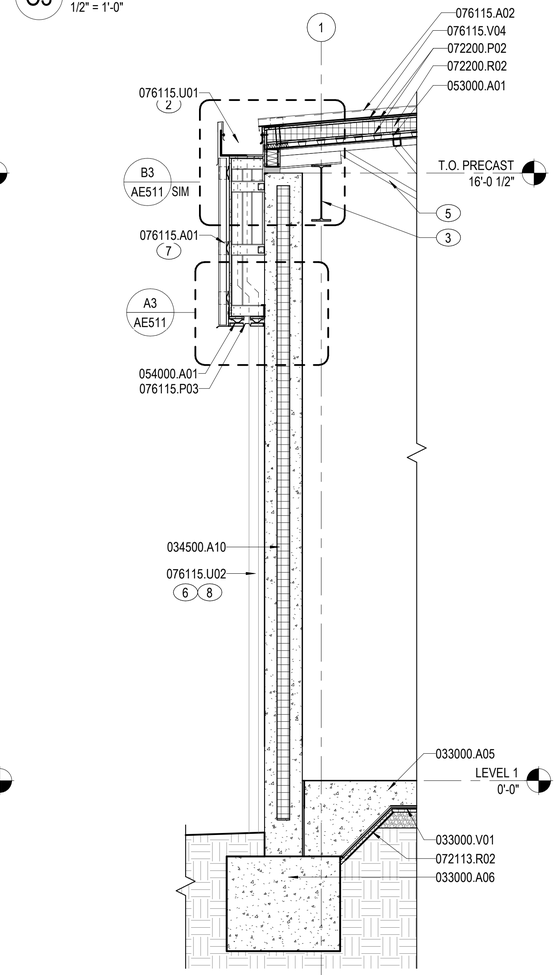
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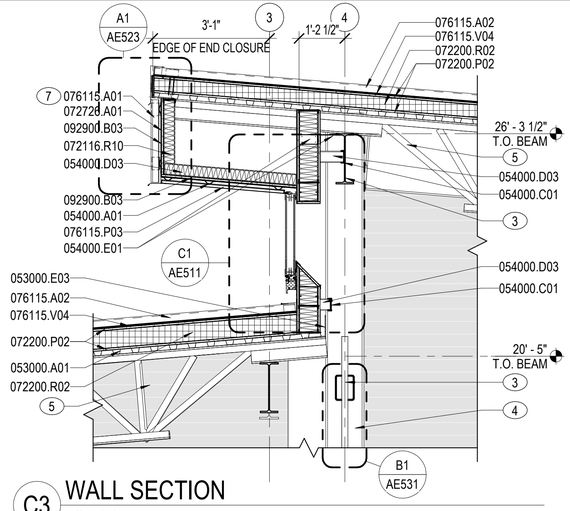
A1 WALL SECTION
1/2" = 1'-0"



A2 WALL SECTION
1/2" = 1'-0"



A3 WALL SECTION
1/2" = 1'-0"



C3 WALL SECTION
1/2" = 1'-0"

NOTES:

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A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.
B REFER TO CIVIL DRAWINGS FOR FINISH GRADE.
C REFER TO SHEET AE111 FOR INTERIOR CEILING CONDITIONS.
D REFER TO STRUCTURAL DRAWINGS FOR TOP OF STEEL HEIGHTS.
E REFER TO ARCHITECTURAL SHEETS AE210 FOR PRECAST PANEL ELEVATION KEY PLAN AND SHEETS AE211 THROUGH AE215 FOR EXTERIOR PRECAST PANEL ELEVATIONS.

KEY NOTES (00)

1 BOLLARD, TYP. REFER TO DETAIL D1/AE531.
2 CONCEALED GUTTER,13" X 7"
3 STEEL BEAM. REFER TO STRUCTURAL DRAWINGS.
4 STEEL COLUMN. REFER TO STRUCTURAL DRAWINGS.
5 STEEL JOIST. REFER TO STRUCTURAL DRAWINGS.
6 BEYOND.
7 STANDING SEAM METAL PANEL IN VERTICAL APPLICATION
8 DOWNSPOUT 3" X 4", TYP.

MATERIAL NOTES

033000.A04	CONCRETE WALL
033000.A05	CONCRETE FLOOR
033000.A06	CONCRETE FOOTING
033000.J05	PREFORMED JOINT FILLER
033000.V01	VAPOR BARRIER
034500.A10	PRECAST CONCRETE INSULATED WALL PANEL
051200.B01	STEEL COLUMN
051200.B02	STEEL WIDE FLANGE COLUMN
053000.A01	STEEL DECK
053000.A07	STEEL ROOF DECK
053000.E03	END CLOSURE
054000.A01	METAL FRAMING
054000.C01	METAL STUD RUNNER TRACK
054000.D01	METAL STUD
054000.D03	METAL STUD 3 5/8"
054000.E01	METAL CLIP ANGLE
072113.R02	PERIMETER INSULATION
072116.R10	BLANKET INSULATION, UNFACED
072200.P02	GLASS MAT GYPSUM PROTECTION BOARD
072200.R02	ROOF INSULATION BOARD
072726.A01	FLUID-APPLIED AIR BARRIER, VAPOR-RETARDING
076115.A01	STANDING-SEAM METAL ROOF PANEL
076115.A02	STANDING-SEAM METAL ROOF PANEL SYSTEM
076115.P03	METAL SOFFIT PANEL SYSTEM
076115.U01	GUTTER
076115.U02	DOWNSPOUT
076115.V04	HIGH TEMPERATURE RESISTANT UNDERLAYMENT
092900.B03	GLASS MAT FACED EXTERIOR GYPSUM SHEATHING 5/8"

0 1' 2' 4' 6' 8'
1/2" = 1'-0" GRAPHIC SCALE

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APPR | DATE | DESCRIPTION | MK

NAVFAC

STATE OF FLORIDA
REBECCA OLIVARES DALE
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 2/16/2022
ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email
SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW	KJF	CHK	ROD
PM/DM					CJW / SVR
BRANCH MANAGER					DJD
CHIEF ENG/ARCH					EJA
FP ENGINEER					DSN

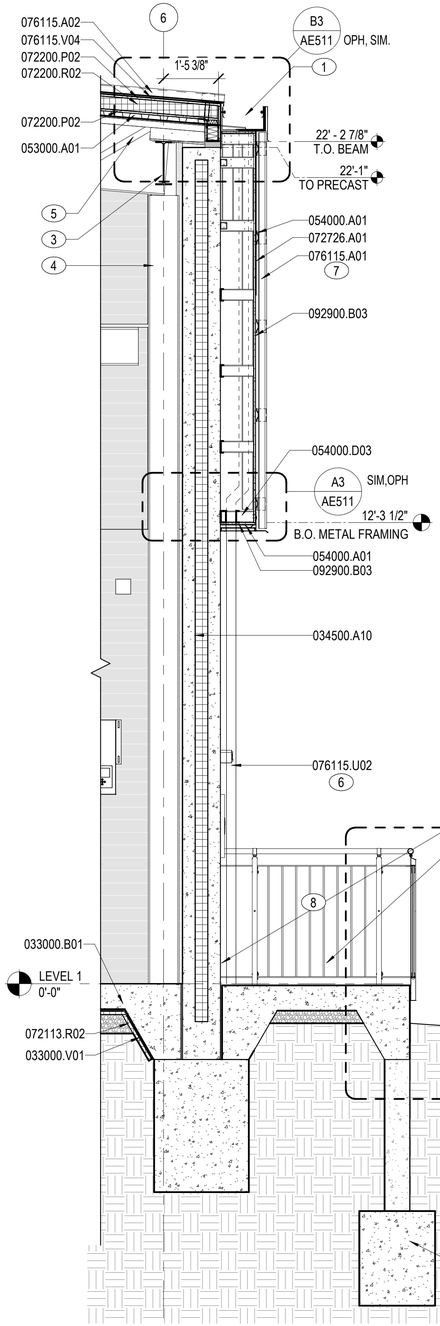
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
WALL SECTIONS

SCALE:	1/2" = 1'-0"
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CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12854092
SHEET	71 OF 129

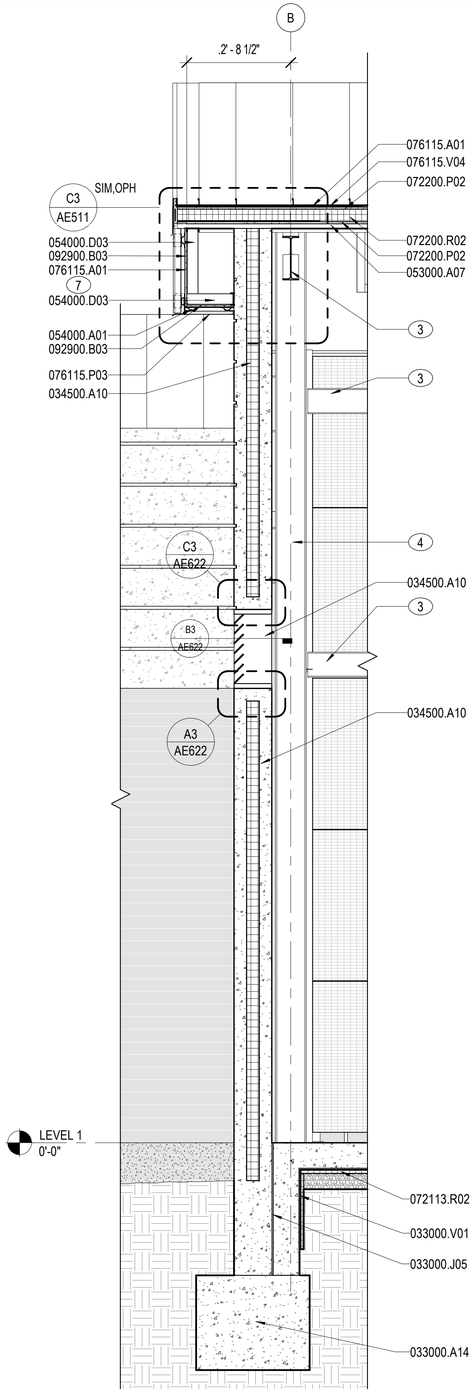
AE311

DRAWFORM REVISION: 25 AUG 2020

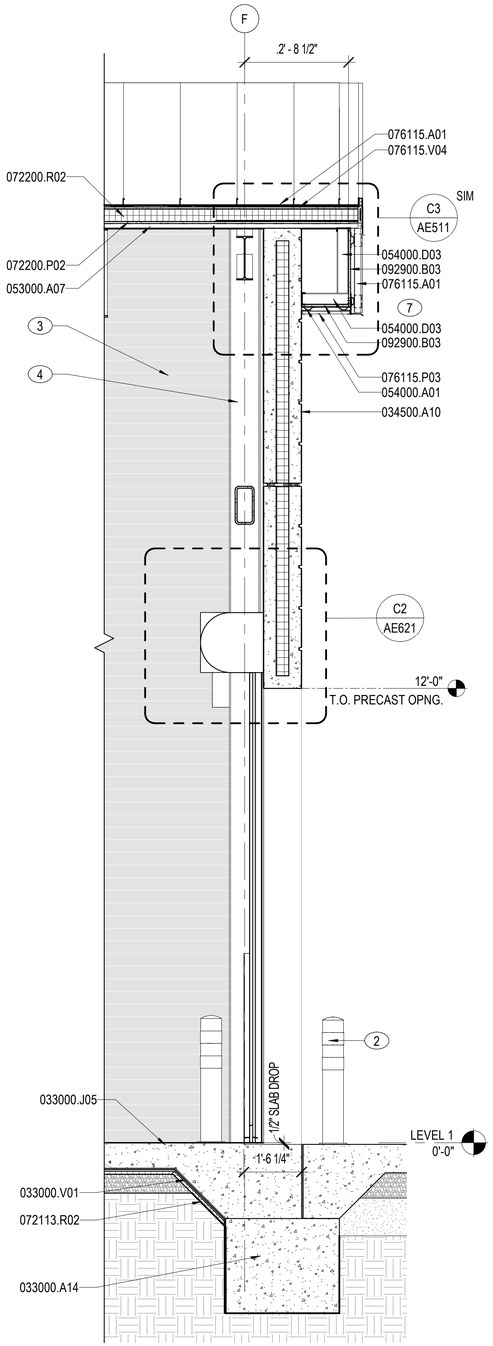
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A1 WALL SECTION
1/2" = 1'-0"



A2 WALL SECTION
1/2" = 1'-0"



A3 WALL SECTION
1/2" = 1'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.
B REFER TO CIVIL DRAWINGS FOR FINISH GRADE.
C REFER TO SHEET AE111 FOR INTERIOR CEILING CONDITIONS.
D REFER TO STRUCTURAL DRAWINGS FOR TOP OF STEEL HEIGHTS.
E REFER TO ARCHITECTURAL SHEETS AE210 FOR PRECAST PANEL ELEVATION KEY PLAN AND SHEETS AE211 THROUGH AE215 FOR EXTERIOR PRECAST PANEL ELEVATIONS.

KEY NOTES (00)

1 CONCEALED GUTTER,13" X 7"
2 BOLLARD, TYP. REFER TO DETAIL D1/AE531.
3 STEEL BEAM. REFER TO STRUCTURAL DRAWINGS.
4 STEEL COLUMN. REFER TO STRUCTURAL DRAWINGS.
5 STEEL JOIST. REFER TO STRUCTURAL DRAWINGS.
6 CONNECT DOWNSPOUT TO BELOW GRADE STORM PIPING. REFER TO CIVIL DRAWINGS FOR SITE UTILITY INFORMATION.
7 STANDING SEAM METAL PANEL IN VERTICAL APPLICATION
8 SEE CIVIL DRAWINGS

MATERIAL NOTES

033000.A14 GRADE BEAM
033000.B01 CONCRETE SLAB
033000.C01 CONCRETE WALK
033000.J05 PREFORMED JOINT FILLER
033000.V01 VAPOR BARRIER
034500.A10 PRECAST CONCRETE INSULATED WALL PANEL
053000.A01 STEEL DECK
053000.A07 STEEL ROOF DECK
054000.A01 METAL FRAMING
054000.D03 METAL STUD 3 5/8"
072113.R02 PERIMETER INSULATION
072200.P02 GLASS MAT GYPSUM PROTECTION BOARD
072200.R02 ROOF INSULATION BOARD
072726.A01 FLUID-APPLIED AIR BARRIER, VAPOR-RETARDING
076115.A01 STANDING-SEAM METAL ROOF PANEL
076115.A02 STANDING-SEAM METAL ROOF PANEL SYSTEM
076115.P03 METAL SOFFIT PANEL SYSTEM
076115.U02 DOWNSPOUT
076115.V04 HIGH TEMPERATURE RESISTANT UNDERLAYMENT
092900.B03 GLASS MAT FACED EXTERIOR GYPSUM SHEATHING 5/8"

0 1' 2' 4' 6' 8'
1/2" = 1'-0" GRAPHIC SCALE

NOTE:
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APPR | DATE | DESCRIPTION | SYM

NAVFAC

STATE OF FLORIDA
REBECCA OLIVAREZ DALEY
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTS

A/E INFO

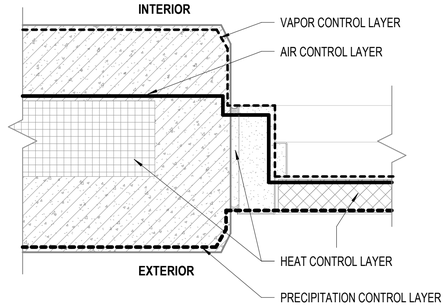
APPROVED
James D. Crosthwaite, P.E.
FOR COMMANDER NAVFAC 2/16/2022
ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email
SATISFACTORY TO DATE 12/17/2021
DES EAD | DRW KJF | CHK ROD
PM/DM CJW / SVR
BRANCH MANAGER DJD
CHIEF ENG/ARCH EJA
FP ENGINEER DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CODE
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
WALL SECTIONS

SCALE: 1/2" = 1'-0"
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CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12854093
SHEET 72 OF 129
AE312

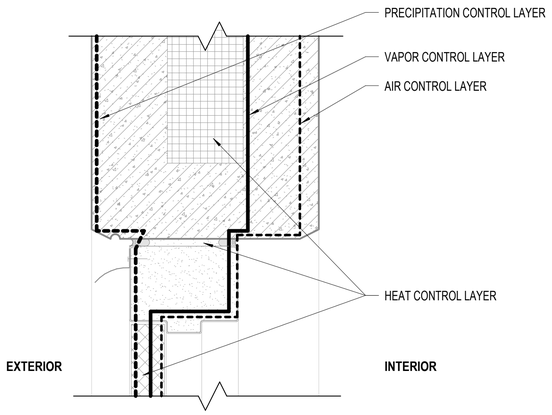
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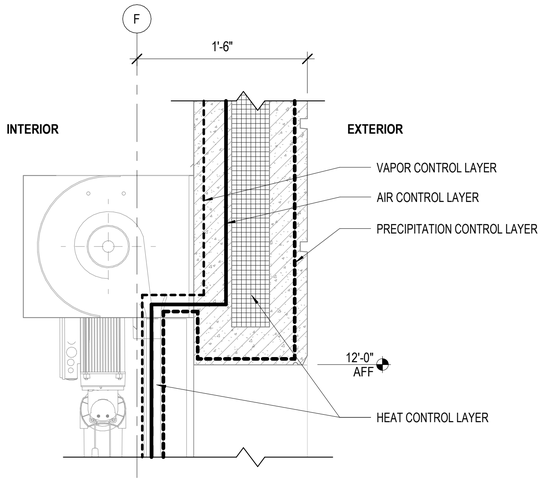
D1 BARRIER LAYER DIAGRAM - DOOR JAMB

NOT TO SCALE



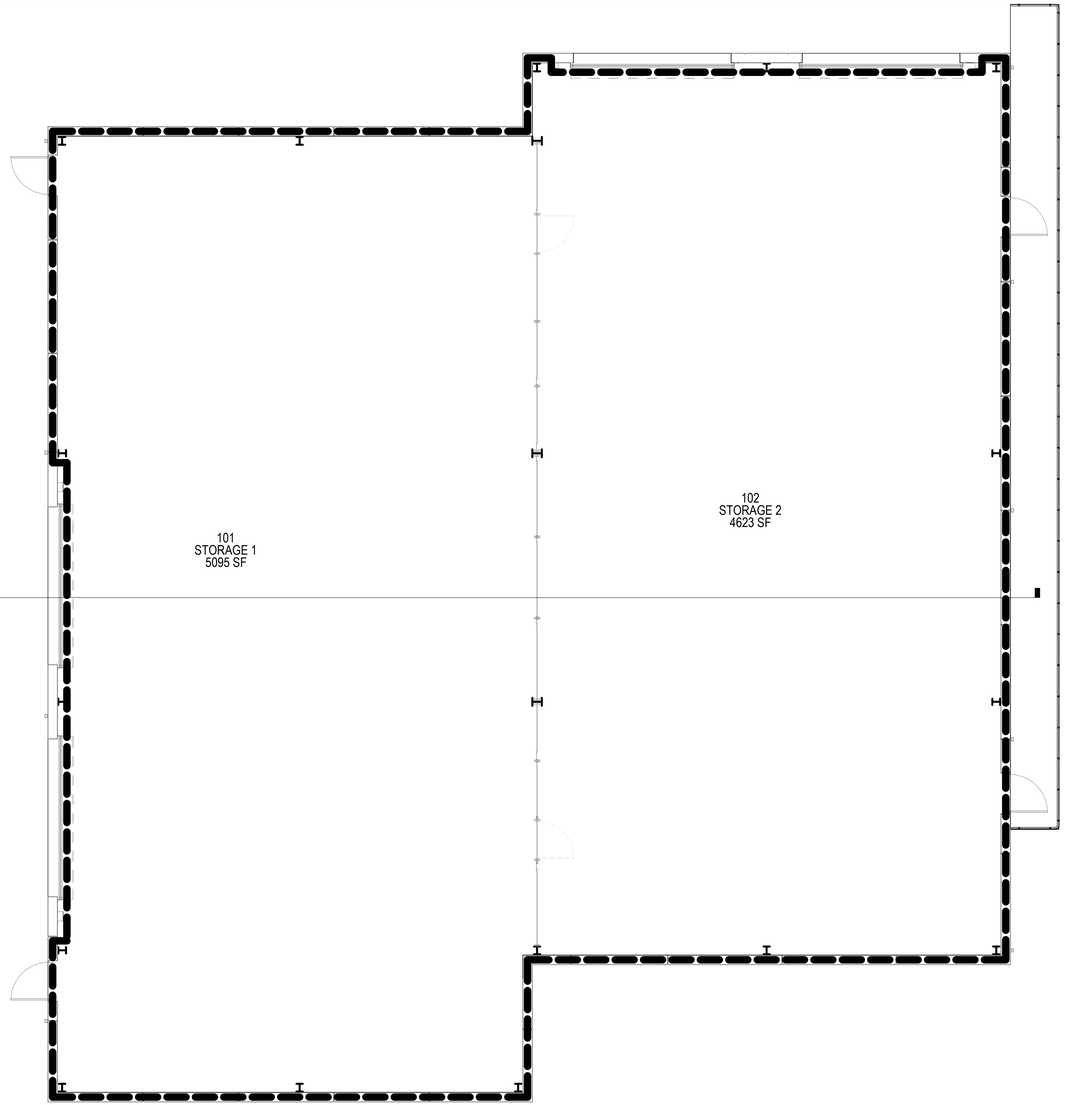
B1 BARRIER LAYER DIAGRAM - DOOR HEAD

NOT TO SCALE



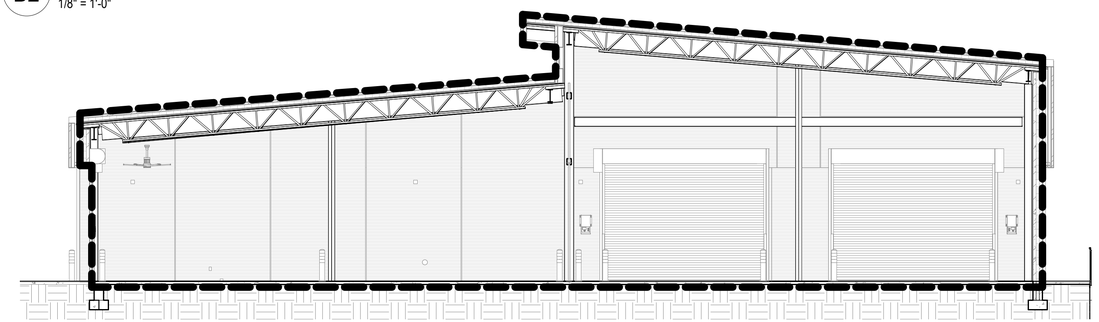
A1 BARRIER LAYER DIAGRAM - DOOR HEAD

NOT TO SCALE



B2 AIR BARRIER DIAGRAM - FLOOR PLAN

1/8" = 1'-0"



A2 AIR BARRIER DIAGRAM

1/8" = 1'-0"

NOTES:

SHEET NOTES:

A PROVIDE A CONTIGUOUS AND CONTINUOUS AIR BARRIER ACROSS THE ENTIRE BUILDING ENVELOPE AND ENSURE AIR BARRIER IS IN FULL CONTACT WITH CONTINUOUS INSULATION.

B FULLY SEAL ALL SEAMS, GAPS, AND PENETRATIONS IN THE AIR BARRIER.

C REFER TO SHEET AE901 FOR 3D AXONOMETRIC VIEWS FOR REFERENCE.

D PRIMARY EXTERIOR WALL IS A MASS WALL COMPOSED OF AN INSULATED PRECAST SYSTEM. THE WALL DEPTH IS 12 INCHES (4 INCH PRECAST+ 4 INCH RIGID INSULATION + 4 INCH PRECAST). INSULATED PRECAST WALL SYSTEM IS CONSIDERED A BARRIER OR FACE-SEALED SYSTEM.

E PROVIDE FLUID-APPLIED MEMBRANE AIR BARRIER/VAPOR RETARDER (072726.A01) AT EXTERIOR WALLS. APPLY AIR BARRIER TO EXTERIOR FACE OF GLASS-MAT EXTERIOR SHEATHING. REFER TO SHEET SERIES AE500 FOR EXTERIOR DETAILS.

F PROVIDE HIGH-TEMPERATURE UNDERLAYMENT (076115.V01) AT SLOPED, STANDING SEAM METAL ROOF TO SERVE AS AN AIR BARRIER. REFER TO SHEET SERIES AE500 FOR EXTERIOR DETAILS.

G WRAP AIR BARRIER INTO WINDOW, AND LOUVER.

H ALTHOUGH THE DRAWINGS SHOW THE LOCATION OF THE AIR BARRIER SYSTEM COMPONENTS INCLUDING DETAIL OF JOINTS, INTERSECTIONS, AND PENETRATIONS OF THE SYSTEM, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT THE AIR BARRIER SYSTEM IS INSTALLED IN A CONTINUOUS ENVELOPE.

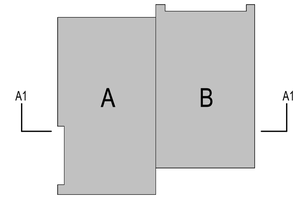
I PROVIDE POLYETHYLENE SHEETING VAPOR BARRIER (033000.V01) BELOW SLAB.

AIR BARRIER SURFACE AREAS

ELEMENT	SURFACE AREA	COMMENT
WALLS	**9,180 SQ FT**	**TOTAL WALL AREA**
SLAB	**9,668 SQ FT**	**TOTAL FLOOR SLAB**
ROOFS	**10,690 SQ FT**	**TOTAL ROOF AREA**
	29,538 SQ FT	**TOTAL SURFACE AREA (EXTERIOR ENVELOPE)**

NOTE 1: AIR BARRIER QUANTITIES ABOVE ARE FOR REFERENCE AND APPLY TO INSPECTION ONLY. REFERENCE UFC 3-101-01, 3-6.3.

NOTE 2: THE AIR BARRIER IS THE GROSS AREA OF: SLAB, EXTERIOR PERIMETER WALLS, AND ROOF SURFACE. (AREAS DO NOT INCLUDE OPENINGS, SUCH AS WINDOWS AND DOORS).



N PLAN NORTH

KEYPLAN

0 5' 10' 20' 30'

1/8" = 1'-0" GRAPHIC SCALE

NOTE:
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APPR | DATE | MK | DESCRIPTION

NAVFAC

STATE OF FLORIDA
REBECA O. IVAREZ DELEON
AR94763
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

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FOR COMMANDER NAVFAC 2/16/2022

ACTIVITY
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SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW	MEC	CHK	ROD
PM/DM					CJW / SVR
BRANCH MANAGER					DJD
CHIEF ENG/ARCH					EJA
FP ENGINEER					DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CODE
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC

P-485 F35 OPERATIONS SUPPORT FACILITY

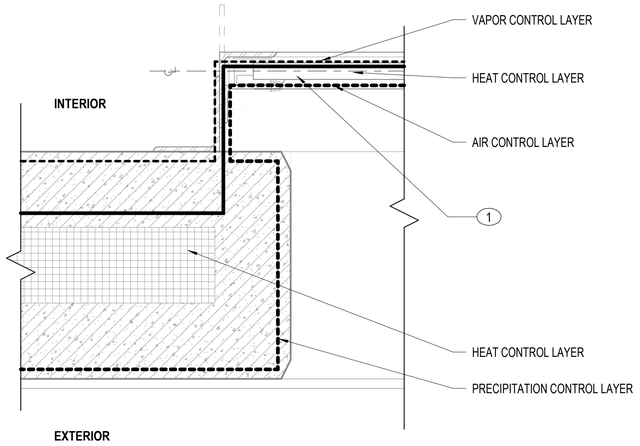
AIR BARRIER DIAGRAMS

SCALE:	As indicated
EPROJECT NO.:	1362850
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12854094
SHEET	73 OF 129

AE471

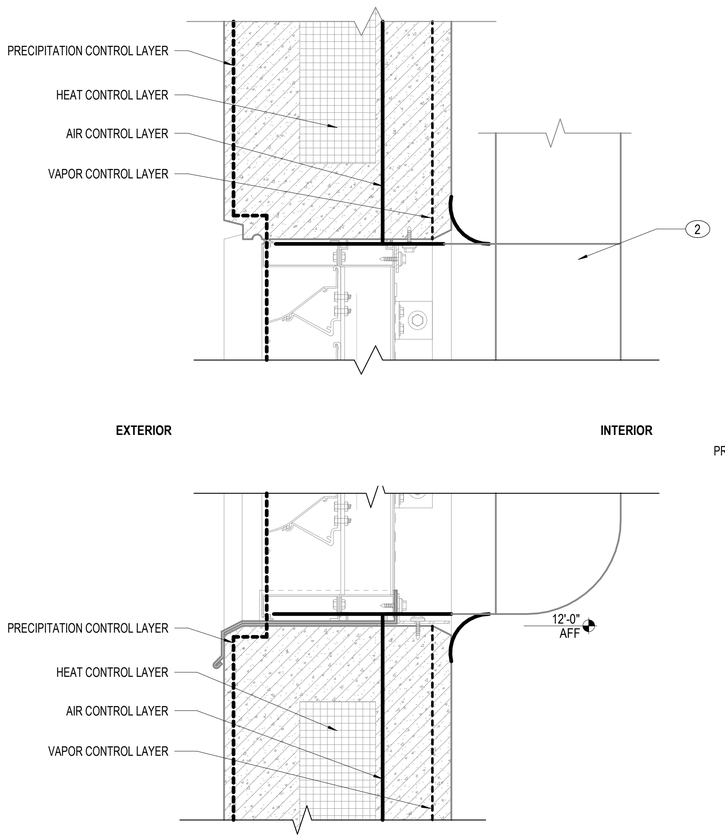
DRAWFORM REVISION: 25 AUG 2020

BIM: 360://2001-P-485 F-35 Operational Support Facility/BLDG-P485-1362850/AR_R20.rvt
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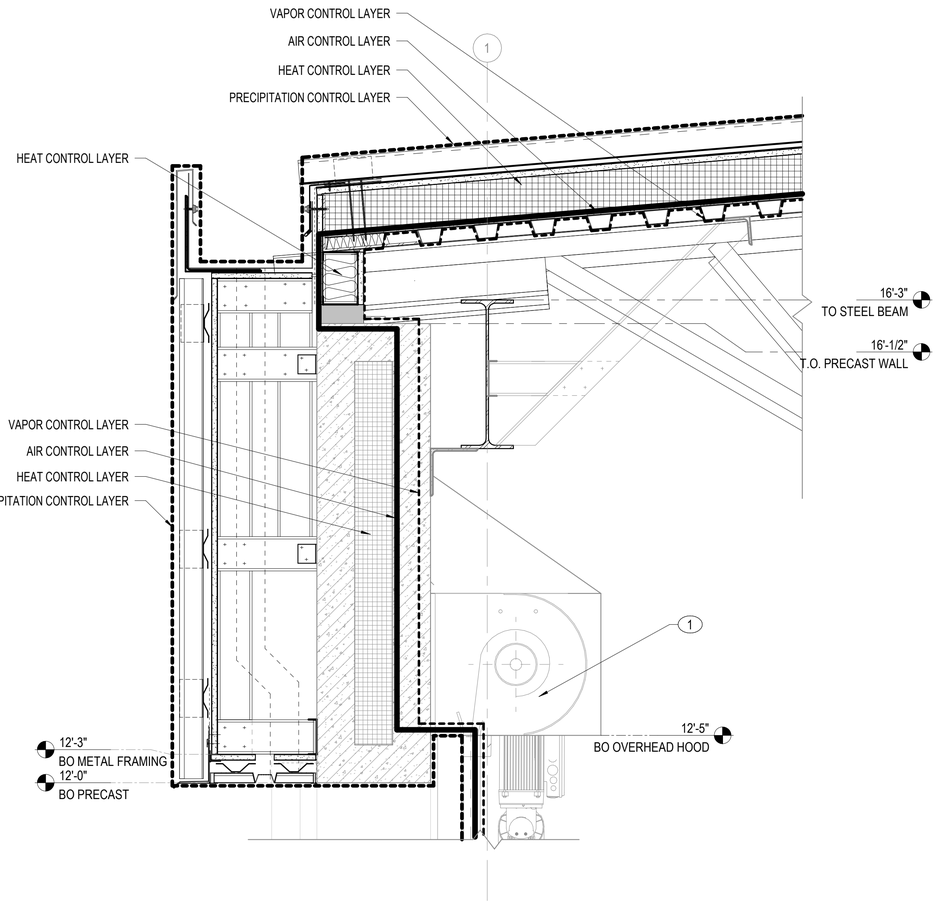
C1 BARRIER LAYER DIAGRAM - DOOR JAMB

NOT TO SCALE



A1 BARRIER LAYER DIAGRAM - LOUVER

NOT TO SCALE



A2 BARRIER LAYER DIAGRAM - SECTION DETAIL

NOT TO SCALE

NOTE:
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NOTES:

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B FULLY SEAL ALL SEAMS, GAPS, AND PENETRATIONS IN THE AIR BARRIER.

C REFER TO SHEET AE901 FOR 3D AXONOMETRIC VIEWS FOR REFERENCE.

D PRIMARY EXTERIOR WALL IS A MASS WALL COMPOSED OF AN INSULATED PRECAST SYSTEM. THE WALL DEPTH IS 12 INCHES (4 INCH PRECAST+ 4 INCH RIGID INSULATION + 4 INCH PRECAST). INSULATED PRECAST WALL SYSTEM IS CONSIDERED A BARRIER OR FACE-SEALED SYSTEM.

E PROVIDE FLUID-APPLIED MEMBRANE AIR BARRIER/VAPOR RETARDER (072726.A01) AT EXTERIOR WALLS. APPLY AIR BARRIER TO EXTERIOR FACE OF GLASS-MAT EXTERIOR SHEATHING. REFER TO SHEET SERIES AE500 FOR EXTERIOR DETAILS.

F PROVIDE HIGH-TEMPERATURE UNDERLAYMENT (076115.V01) AT SLOPED, STANDING SEAM METAL ROOF TO SERVE AS AN AIR BARRIER. REFER TO SHEET SERIES AE500 FOR EXTERIOR DETAILS.

G WRAP AIR BARRIER INTO WINDOW, AND LOUVER.

H ALTHOUGH THE DRAWINGS SHOW THE LOCATION OF THE AIR BARRIER SYSTEM COMPONENTS INCLUDING DETAIL OF JOINTS, INTERSECTIONS, AND PENETRATIONS OF THE SYSTEM, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT THE AIR BARRIER SYSTEM IS INSTALLED IN A CONTINUOUS ENVELOPE.

I PROVIDE POLYETHYLENE SHEETING VAPOR BARRIER (033000.V01) BELOW SLAB.

KEY NOTES (00)

1 OVERHEAD COILING DOOR

2 INSULATED MECHANICAL DUCT WORK

N PLAN NORTH

MK	DESCRIPTION	DATE	APPR

NAVFAC

STATE OF FLORIDA
REBECCA OLIVAREZ DALEY
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED

FOR COMMANDER NAVFAC 2/16/2022

ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email

SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW	KJF	CHK	ROD

PMDM CJW / SVR
BRANCH MANAGER DJD
CHIEF ENG/ARCH EJA
FP ENGINEER DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC

P-485 F35 OPERATIONS SUPPORT FACILITY

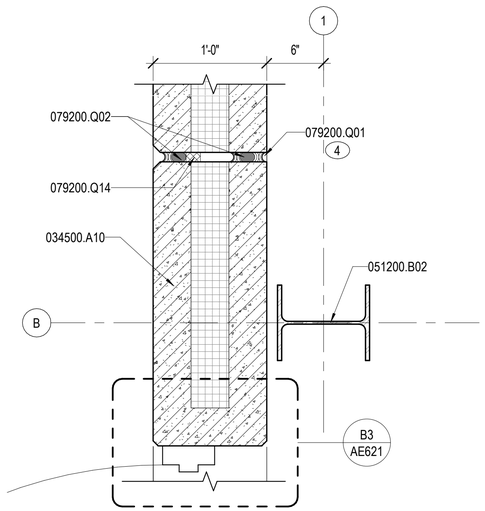
AIR BARRIER DIAGRAMS

SCALE: As indicated
EPROJECT NO.: 1362850
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.: 12854095
SHEET 74 OF 129

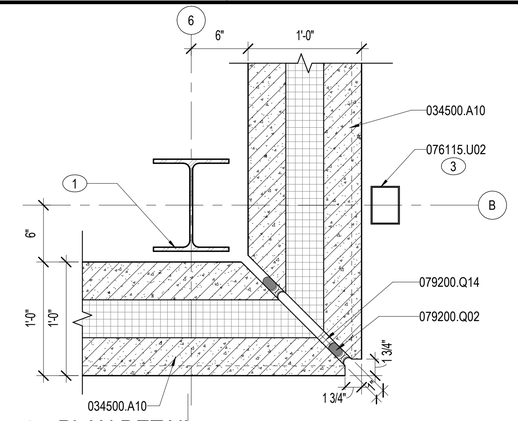
AE472

DRAWFORM REVISION: 25 AUG 2020

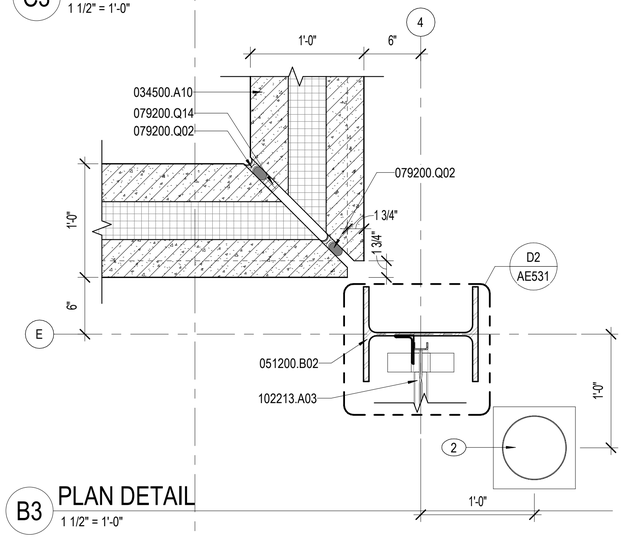
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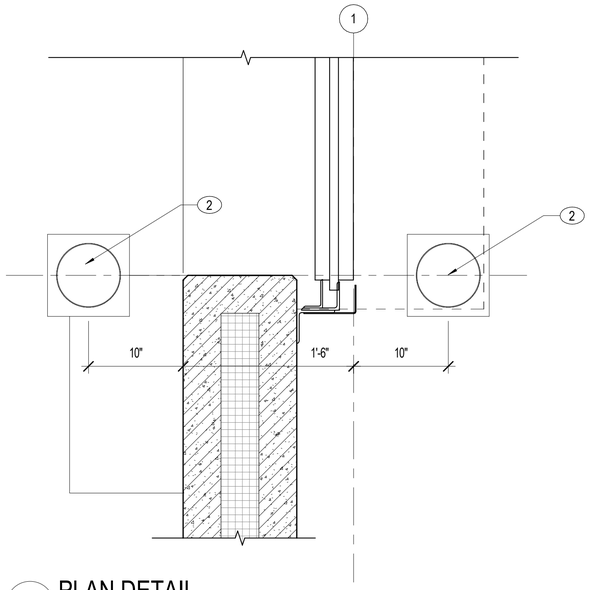
B1 PLAN DETAIL
1 1/2" = 1'-0"



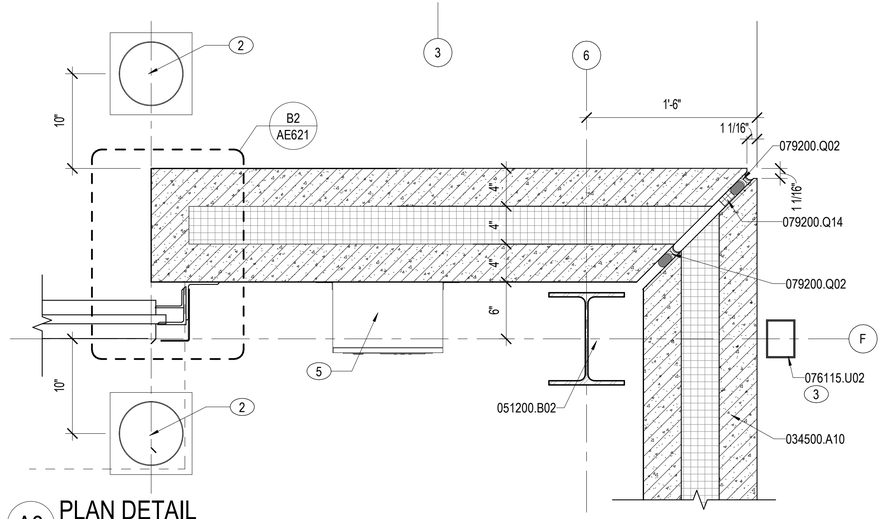
C3 PLAN DETAIL
1 1/2" = 1'-0"



B3 PLAN DETAIL
1 1/2" = 1'-0"



A1 PLAN DETAIL
1 1/2" = 1'-0"



A3 PLAN DETAIL
1 1/2" = 1'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.
B REFER TO SHEET AE521 FOR TYPICAL PRECAST JOINT SEALANT, REVEAL/JOINT DIMENSIONS, AND SEALANT WEEP DETAILS.
C REFER TO SHEET AE621 FOR ENLARGED DOOR DETAILS.
D REFER TO SHEET AE622 FOR LOUVER AND TRANSLUCENT PANEL ENLARGED DETAILS.
E REFER TO SHEET AF601 FOR FINISH SCHEDULES AND FINISH IDENTIFICATION SCHEDULES.
F ARCHITECTURAL EXTERIOR DIMENSIONS ARE TO EXTERIOR FACE OF INSULATED PRECAST PANEL AND FACE OF METAL STUD, UNO.
G ARCHITECTURAL INTERIOR DIMENSIONS ARE TO COLUMN GRID, FACE OF MASONRY / CONCRETE, FACE OF METAL STUD, UNO.

KEY NOTES (00)

1 STEEL COLUMN. REFER TO STRUCTURAL DRAWINGS.
2 BOLLARD, TYP. REFER TO DETAIL D1/AE531.
3 DOWNSPOUT 3" X 4", TYP.
4 PROVIDE SEALANT BEAD ON INTERIOR SIDE OF PRECAST PANEL WHEN INTERIOR FACE IS TO BE LEFT EXPOSED.
5 OVERHEAD COILING DOOR CONTROL BOX.

MATERIAL NOTES

034500.A10	PRECAST CONCRETE INSULATED WALL PANEL
051200.B02	STEEL WIDE FLANGE COLUMN
076115.U02	DOWNSPOUT
079200.Q01	JOINT SEALANT
079200.Q02	BACKSTOP AND SEALANT
079200.Q14	PREFORMED FOAM JOINT FILLER
083323.A02	INSULATED OVERHEAD COILING DOOR
083323.B01	COILING DOOR GUIDES
102213.A03	HEAVY DUTY PARTITION

0 2" 10" 20" 30"
1½" = 1'-0" GRAPHIC SCALE

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING

APPR | DATE | MK | DESCRIPTION

NAVFAC

STATE OF FLORIDA
REBECCA OLIVARES DALEY
AR94763
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERS ARCHITECTS

A/E INFO

APPROVED
Scott D. Donahue, P.E.
FOR COMMANDER NAVFAC 2/16/2022
ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email
SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW KJF	CHK ROD
PM/DM			CJW / SVR
BRANCH MANAGER			DJD
CHIEF ENG/ARCH			EJA
FP ENGINEER			DSN

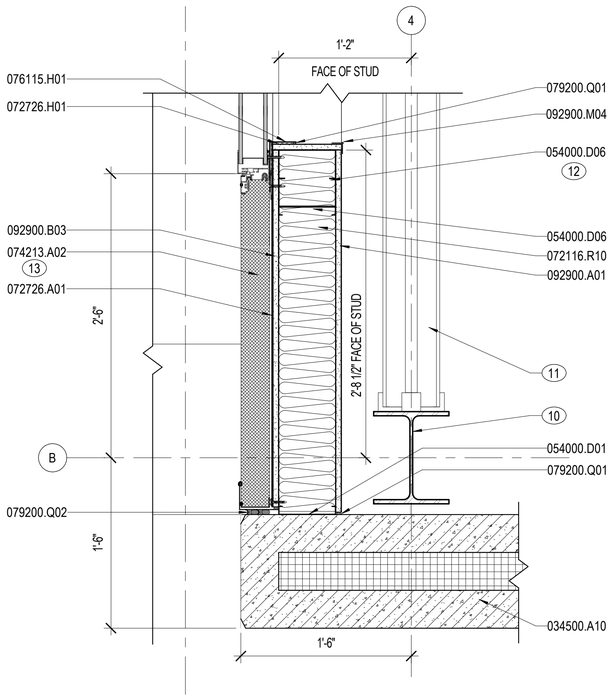
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NORFOLK, VIRGINIA
MCAS BEAUFORT
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
EXTERIOR PLAN DETAILS

SCALE: 1 1/2" = 1'-0"
EFPROJECT NO.: 1362850
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12854096
SHEET 75 OF 129

AE501

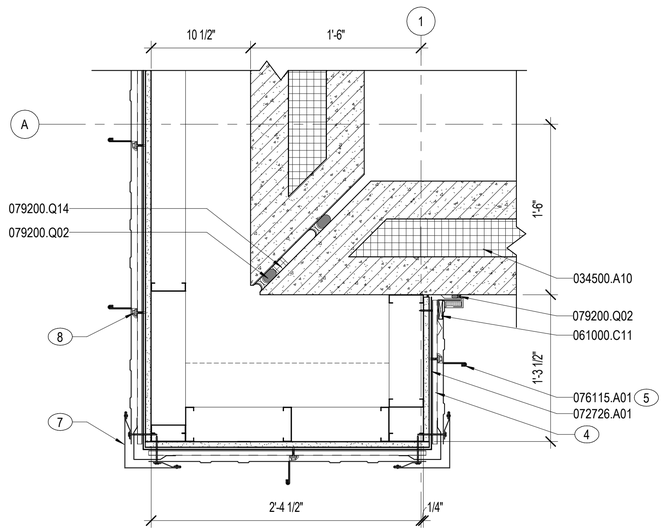
DRAWFORM REVISION: 25 AUG 2020

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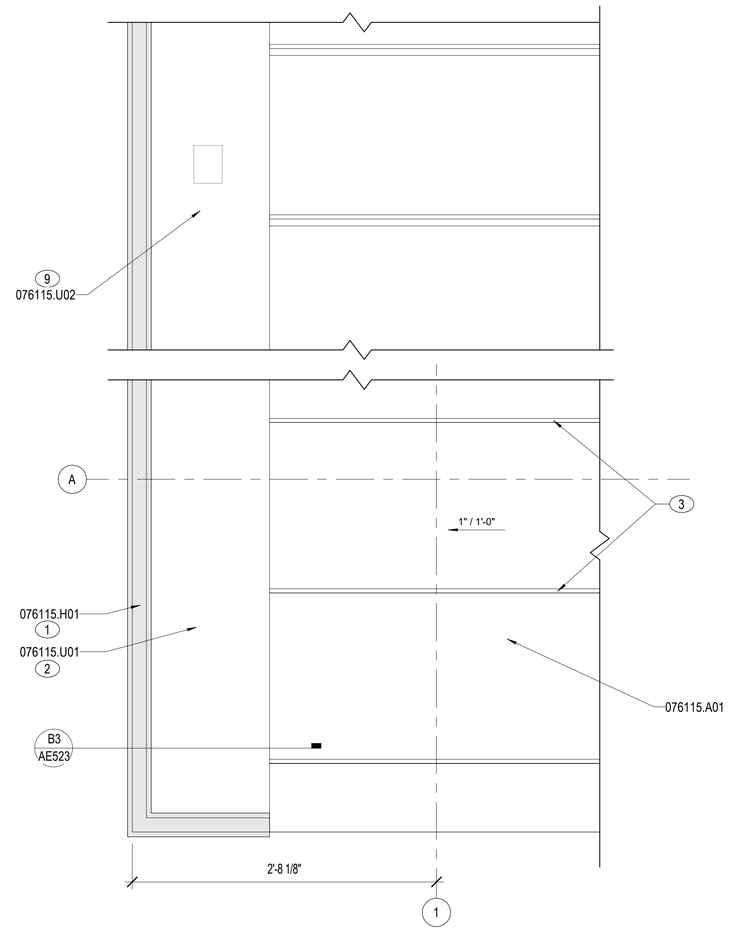
C1 PLAN DETAIL

1 1/2" = 1'-0"



A1 PLAN DETAIL

1 1/2" = 1'-0"



A3 PLAN DETAIL - ROOF GUTTER CONCEALED CORNER

1 1/2" = 1'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.

B REFER TO SHEET AE521 FOR TYPICAL PRECAST JOINT SEALANT, REVEAL/JOINT DIMENSIONS, AND SEALANT WEEP DETAILS.

C REFER TO SHEET AE621 FOR ENLARGED DOOR DETAILS.

D REFER TO SHEET AE622 FOR LOUVER AND TRANSLUCENT PANEL ENLARGED DETAILS.

E REFER TO SHEET AF601 FOR FINISH SCHEDULES AND FINISH IDENTIFICATION SCHEDULES.

F ARCHITECTURAL EXTERIOR DIMENSIONS ARE TO EXTERIOR FACE OF INSULATED PRECAST PANEL AND FACE OF METAL STUD, UNO.

G ARCHITECTURAL INTERIOR DIMENSIONS ARE TO COLUMN GRID, FACE OF MASONRY / CONCRETE, FACE OF METAL STUD, UNO.

KEY NOTES (00)

1 METAL FLASHING AND DRIP - COLOR TO MATCH STANDING SEAM METAL ROOF PANELS
2 GUTTER SIZE 13" DEPTH x 7" WIDE
3 STANDING SEAM METAL ROOF PANEL FOLDS
4 SUBGIRT BY PANEL MFR.
5 STANDING SEAM METAL PANEL IN VERTICAL APPLICATION
7 FLASHING CORNER PIECE BY PANEL MFR.
8 PANEL CLIP BY MFR.
9 DOWNSPOUT, 3" X 4", TYP.
10 STEEL COLUMN. REFER TO STRUCTURAL DRAWINGS.
11 STEEL BEAM. REFER TO STRUCTURAL DRAWINGS.
12 METAL STUD WITH 3" FLANGE
13 R-13 VALUE

MATERIAL NOTES

034500.A10 PRECAST CONCRETE INSULATED WALL PANEL
054000.D01 METAL STUD
054000.D06 METAL STUD 6"
061000.C11 PRESSURE TREATED WOOD BLOCKING
072116.R10 BLANKET INSULATION, UNFACED
072726.A01 FLUID-APPLIED AIR BARRIER, VAPOR-RETARDING
072726.H01 MEMBRANE FLASHING STRIP
074213.A02 INSULATED METAL WALL PANEL SYSTEM
076115.A01 STANDING-SEAM METAL ROOF PANEL
076115.H01 METAL FLASHING
076115.U01 GUTTER
076115.U02 DOWNSPOUT
079200.Q01 JOINT SEALANT
079200.Q02 BACKSTOP AND SEALANT
079200.Q14 PREFORMED FOAM JOINT FILLER
092900.A01 GYPSUM BOARD, REGULAR 5/8"
092900.B03 GLASS MAT FACED EXTERIOR GYPSUM SHEATHING 5/8"
092900.M04 CORNERBEAD

0 2" 10" 20" 30"

1½" = 1'-0" GRAPHIC SCALE

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING

APPR | DATE | NO. | DESCRIPTION

NAVFAC

STATE OF FLORIDA
REBECA OLIVAREZ DALE
AR94762
12-17-2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERS + SURVEYORS
A/E INFO

APPROVED
Jason D. Gladstone, P.E.
FOR COMMANDER NAVFAC 2/16/2022

ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email

SATISFACTORY TO	DATE 12/17/2021
DES EAD	DRW KJF CHK ROD
PM/DM	CJW / SVR
BRANCH MANAGER	DJD
CHIEF ENG/ARCH	EJA
FP ENGINEER	DSN

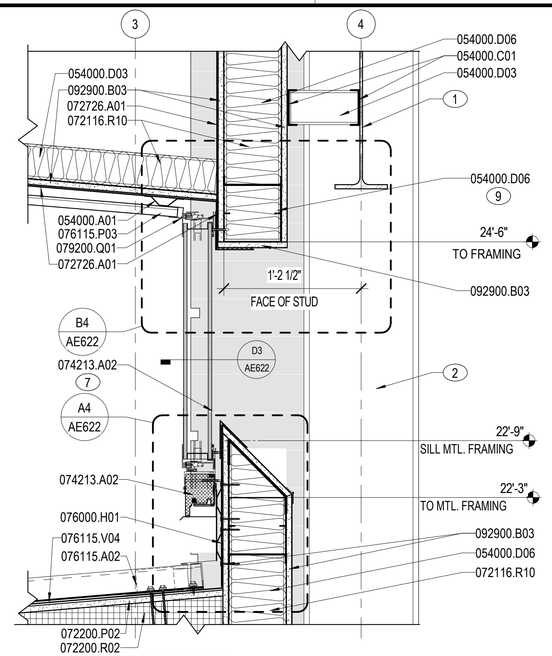
DEPARTMENT OF THE NAVY
DC CORE
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
EXTERIOR PLAN DETAILS

SCALE:	1 1/2" = 1'-0"
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CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12854097
SHEET	76 OF 129

AE502

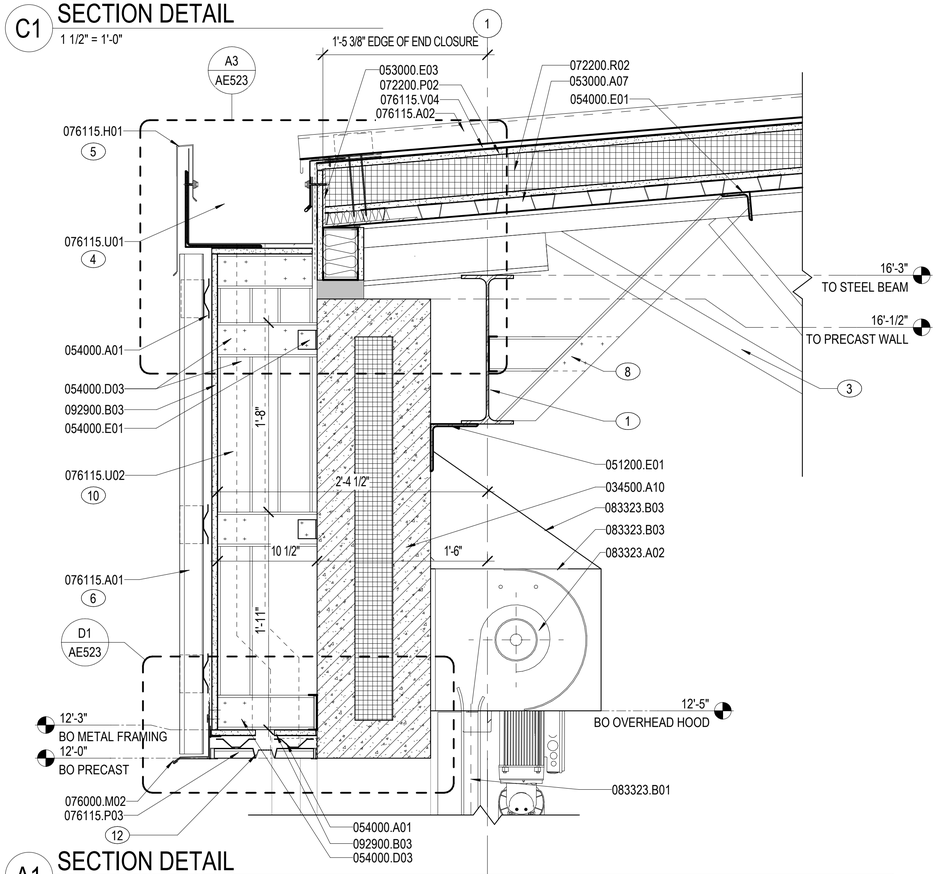
DRAWFORM REVISION: 25 AUG 2020

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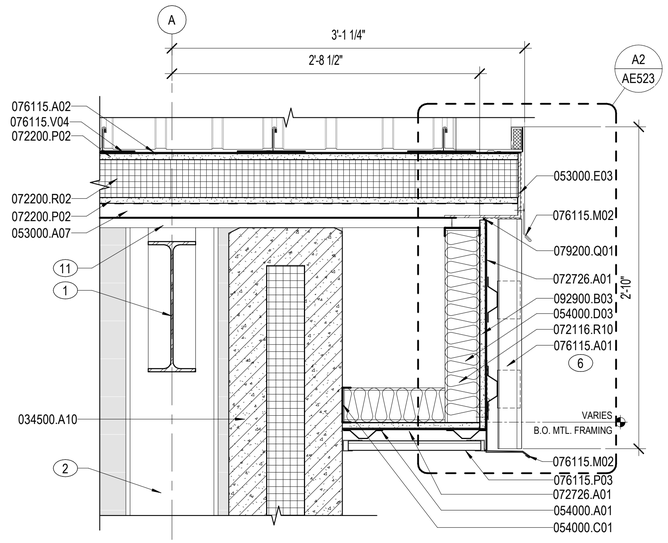
C1 SECTION DETAIL

1 1/2" = 1'-0"



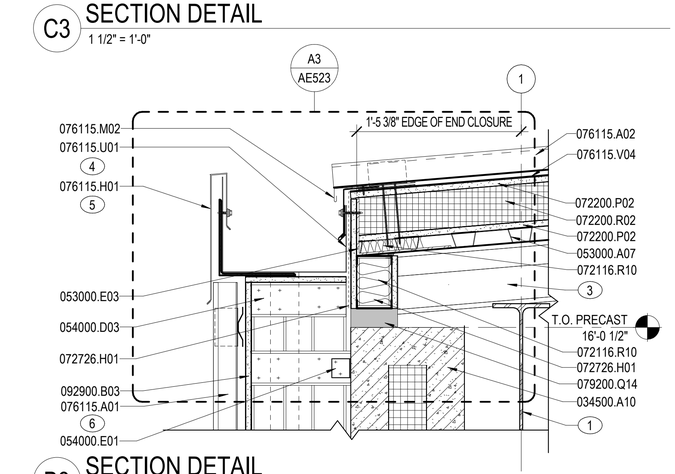
A1 SECTION DETAIL

1 1/2" = 1'-0"



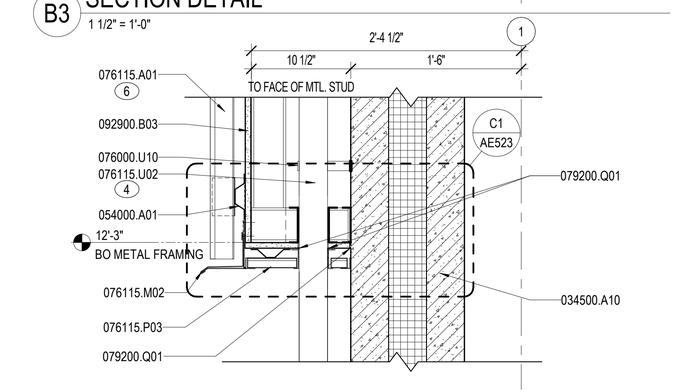
C3 SECTION DETAIL

1 1/2" = 1'-0"



B3 SECTION DETAIL

1 1/2" = 1'-0"



A3 SECTION DETAIL

1 1/2" = 1'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.
B REFER TO SHEET SERIES "C" FOR CIVIL INFORMATION.
C REFER TO SHEET SERIES AE111 FOR INTERIOR CEILING CONDITIONS.
D REFER TO SHEET AE529 FOR TYPICAL PRECAST JOINT SEALANT, REVEAL/JOINT DIMENSIONS, AND SEALANT WEEP DETAILS.
E REFER TO SHEET AE523 FOR STANDING SEAM ROOF DETAILS. REFER TO A2/AE531 FOR ROOF PENETRATION DETAIL.
F REFER TO SHEET AE621 FOR ENLARGED DOOR DETAILS.
G REFER TO SHEET AE622 FOR LOUVER AND TRANSLUCENT PANEL ENLARGED DETAILS.
H REFER TO SHEET AF601 FOR FINISH SCHEDULES AND FINISH IDENTIFICATION SCHEDULES.
I ARCHITECTURAL EXTERIOR DIMENSIONS ARE TO EXTERIOR FACE OF INSULATED PRECAST PANEL AND FACE OF METAL STUD, UNO.
J ARCHITECTURAL INTERIOR DIMENSIONS ARE TO COLUMN GRID, FACE OF MASONRY / CONCRETE, FACE OF METAL STUD, UNO.

KEY NOTES (00)

1 STEEL BEAM. REFER TO STRUCTURAL DRAWINGS.
2 STEEL COLUMN. REFER TO STRUCTURAL DRAWINGS.
3 STEEL JOIST. REFER TO STRUCTURAL DRAWINGS.
4 GUTTER SIZE 13" DEPTH x 7" WIDE
5 METAL CAP AND DRIP - COLOR TO MATCH STANDING SEAM METAL ROOF PANELS
6 STANDING SEAM METAL PANEL IN VERTICAL APPLICATION
7 TRANSLUCENT PANEL SYSTEM.
8 STEEL BRACING. REFER TO STRUCTURAL DRAWINGS.
9 METAL STUD WITH 3" FLANGE
10 DOWNSPOUT, 3" X 4", TYP.
11 STEEL TUBE BEAM. REFER TO STRUCTURAL DRAWINGS.
12 SOFFIT VENT 2" WIDE ALONG EXTENT OF NON-INSULATED EXTERIOR WALL SOFFIT AREAS

MATERIAL NOTES

034500.A10	PRECAST CONCRETE INSULATED WALL PANEL
051200.E01	STEEL ANGLE
053000.A07	STEEL ROOF DECK
053000.E03	END CLOSURE
054000.A01	METAL FRAMING
054000.C01	METAL STUD RUNNER TRACK
054000.D03	METAL STUD 3 5/8"
054000.D06	METAL STUD 6"
054000.E01	METAL CLIP ANGLE
072116.R10	BLANKET INSULATION, UNFACED
072200.P02	GLASS MAT GYPSUM PROTECTION BOARD
072200.R02	ROOF INSULATION BOARD
072726.A01	FLUID-APPLIED AIR BARRIER, VAPOR-RETARDING
072726.H01	MEMBRANE FLASHING STRIP
074213.A02	INSULATED METAL WALL PANEL SYSTEM
076000.H01	METAL FLASHING
076000.M02	DRIP EDGE
076000.U10	METAL DOWNSPOUT STRAP
076115.A01	STANDING-SEAM METAL ROOF PANEL
076115.A02	STANDING-SEAM METAL ROOF PANEL SYSTEM
076115.H01	METAL FLASHING
076115.M02	DRIP EDGE
076115.P03	METAL SOFFIT PANEL SYSTEM
076115.U01	GUTTER
076115.U02	DOWNSPOUT
076115.V04	HIGH TEMPERATURE RESISTANT UNDERLAYMENT
079200.Q01	JOINT SEALANT
079200.Q14	PREFORMED FOAM JOINT FILLER
083323.A02	INSULATED OVERHEAD COILING DOOR
083323.B01	COILING DOOR GUIDES
083323.B03	COILING DOOR HOOD
092900.B03	GLASS MAT FACED EXTERIOR GYPSUM SHEATHING 5/8"

0 2" 10" 20" 30"
1½" = 1'-0" GRAPHIC SCALE

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING

APPR | DATE | NO. | DESCRIPTION

NAVFAC

STATE OF FLORIDA
REMICK OLIVARES DELGADO
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
for CDR J. Scott Roberts, P.E.
FOR COMMANDER NAVFAC 2/16/2022
ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email
SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW	MCL	CHK	ROD

PM/DM	CJW / SVR
BRANCH MANAGER	DJD
CHIEF ENG/ARCH	EJA
FP ENGINEER	DSN

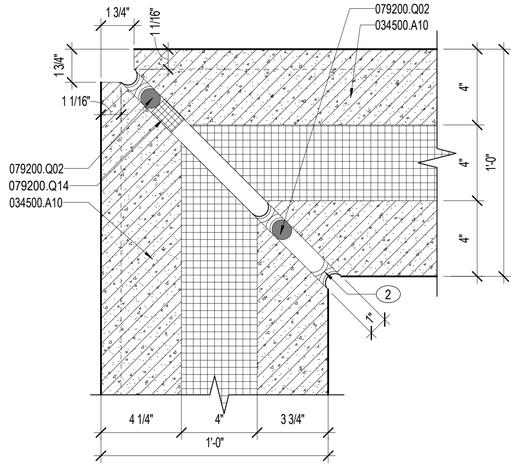
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
EXTERIOR SECTION DETAILS

SCALE: 1 1/2" = 1'-0"
EPROJECT NO.: 1362850
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12854098
SHEET 77 OF 129

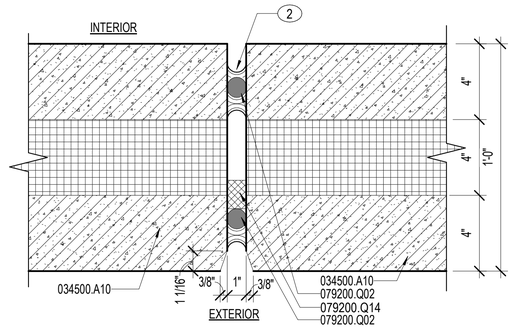
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DRAWFORM REVISION: 25 AUG 2020

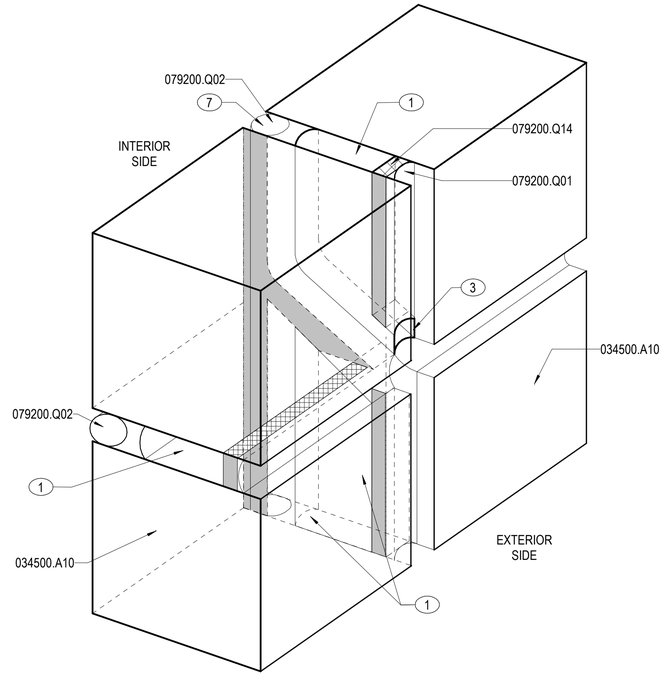
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C1 QUIRK MITER CORNER JOINT - TYP
3" = 1'-0"



D1 CHAMFER PANEL JOINT - TYP
3" = 1'-0"



C3 PRECAST JOINT DETAIL
3" = 1'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.

B REFER TO THIS SHEET FOR TYPICAL SEALANT INSTALLATION REQUIREMENTS ON ALL PRECAST PANELS IN THIS PROJECT.

C REFER TO SHEETS AE201-AE202 FOR PANEL JOINT AND TYPE LOCATIONS AND REVEAL TYPES AND LOCATIONS.

D REFER TO SHEETS AE210 AND AE211-AE215 FOR PRECAST PANEL ELEVATIONS.

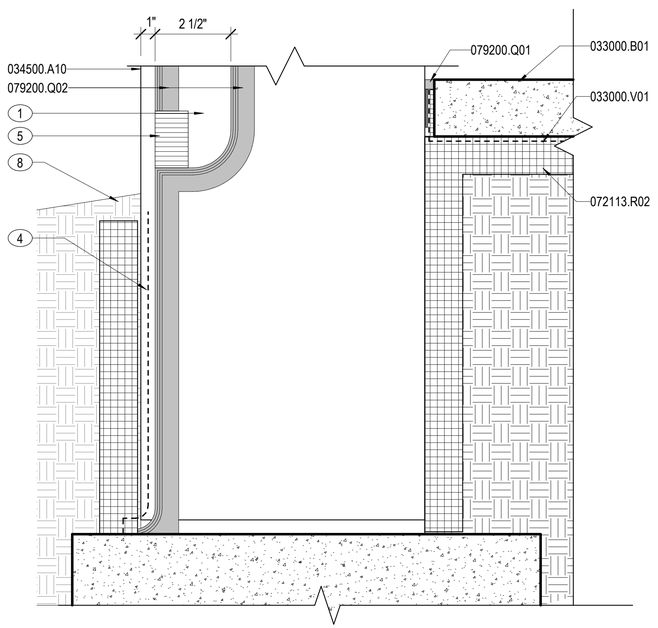
E PRECAST PANELS ARE BASED ON A 1" JOINT BETWEEN PANELS. PRECAST PANEL REVEALS ARE BASED ON A 3/4" REVEAL. PRECAST PANEL REVEALS DIMENSIONED TO THE TOP OF REVEAL, UNO.

KEY NOTES (00)

1 DRAINAGE SPACE.
2 PROVIDE SEALANT BEAD ON INTERIOR SIDE OF PRECAST PANEL WHEN INTERIOR FACE IS TO BE LEFT EXPOSED.
3 DRAINAGE OPENING. 1/2 MIN.
4 DAMP PROOFING.
5 WEEP.
6 LINE OF INSULATION LAYER BEYOND
7 WHEN BACK SIDE OF PRECAST PANEL IS EXPOSED TO THE EXTERIOR AT TOP OF PARAPETS, REVERSE BACKER ROD & SEALANT SUCH THAT SEALANT IS ALWAYS TO THE EXTERIOR SIDE OF PRECAST PANEL.
8 LINE OF GRADE.
9 TOP OF REVEAL.
10 BOTTOM OF REVEAL.

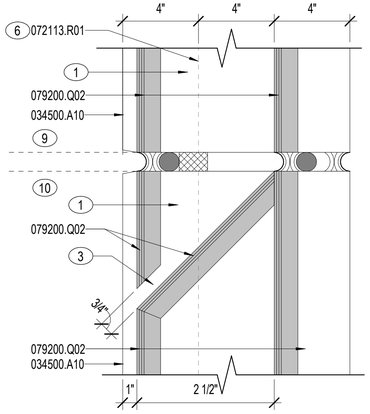
MATERIAL NOTES

033000.B01 CONCRETE SLAB
033000.V01 VAPOR BARRIER
034500.A10 PRECAST CONCRETE INSULATED WALL PANEL
072113.R01 BOARD INSULATION
072113.R02 PERIMETER INSULATION
079200.Q01 JOINT SEALANT
079200.Q02 BACKSTOP AND SEALANT
079200.Q14 PREFORMED FOAM JOINT FILLER



NOTE: THIS DETAIL TYPICAL @ ALL PRECAST CONCRETE AT GRADE.

A3 JOINT DETAIL - SECTION AT BASE THRU PANEL JOINT
3" = 1'-0"

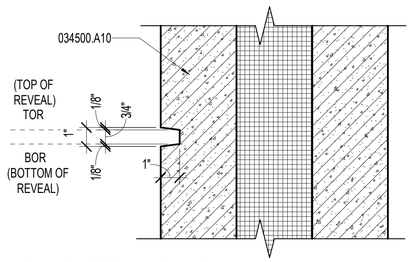


A5 SECTION AT MID-JOINT
3" = 1'-0"

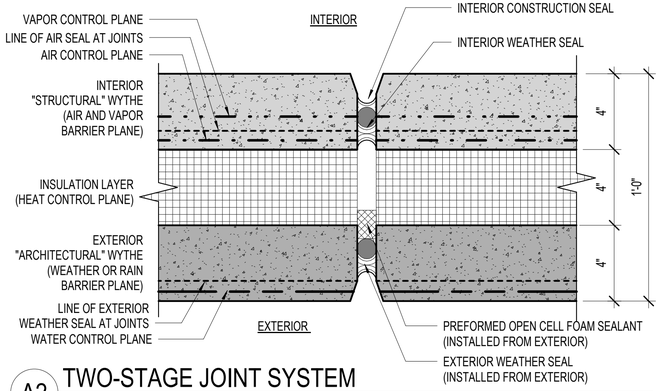
0 2" 4" 8" 1'
3" = 1'-0" GRAPHIC SCALE

0 2" 10" 20" 30"
1½" = 1'-0" GRAPHIC SCALE

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING



A1 TYPICAL REVEAL
3" = 1'-0"



A2 TWO-STAGE JOINT SYSTEM
3" = 1'-0"

APPR | DATE | DESCRIPTION | MK

NAVFAC

STATE OF FLORIDA
REBECCA OL IVAREZ DEL
AR94763
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
for J. Scott Roberts, P.E.
FOR COMMANDER NAVFAC 2/16/2022
ACTIVITY: Approved by J. Scott Roberts, Asset Management Branch Head & Supervisory Facility Planner, PWD Beaufort, SC via email
SATISFACTORY TO DATE 12/17/2021
DES EAD | DRW MEC | CHK ROD
PM/DM CJW / SVR
BRANCH MANAGER
CHIEF ENG/ARCH EJA
FP ENGINEER DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
TYPICAL PRECAST CONCRETE DETAILS

SCALE: 3" = 1'-0"
EPROJECT NO.: 1362850
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12854099
SHEET 78 OF 129

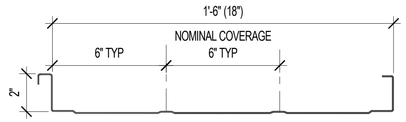
AE521

DRAWFORM REVISION: 25 AUG 2020

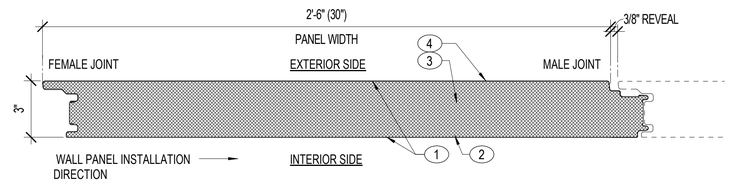
BIM 360://20274 - P-485 F-35 Operational Support Facility/BLDG P485- 1362850.AR .R20.rvt
12/7/2022 4:39:36 PM



180° SEAMING



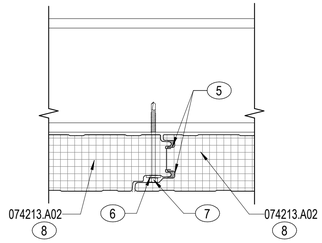
STANDING SEAM METAL PANEL
VERTICAL INSTALLATION
076115.A01



INSULATED METAL PANEL
HORIZONTAL INSTALLATION
074213.A02

C3 METAL WALL PANEL PROFILES

3" = 1'-0"



B4 IMP PANEL VERTICAL JOINT

3" = 1'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.

KEY NOTES (00)

1 PROVIDE A FLAT PROFILE ON BOTH INTERIOR AND EXTERIOR FACE OF PANEL.
2 INTERIOR METAL SHEET = AIR / VAPOR BARRIER
3 INSULATION LAYER
4 EXTERIOR METAL SHEET = WEATHER (WATER) BARRIER
5 CONTINUOUS SEALANT AT PANEL JOINT.
6 12 GA STAINLESS STEEL HIDDEN FASTENER CLIP.
7 FASTENER WITHOUT WASHER (BY PANEL MANUFACTURER).
8 INSULATED METAL PANEL, VERTICAL APPLICATION.

MATERIAL NOTES

074213.A02 INSULATED METAL WALL PANEL SYSTEM
076115.A01 STANDING-SEAM METAL ROOF PANEL

0 1" 5" 10" 15"
3" = 1'-0" GRAPHIC SCALE

NOTE:
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IT IS A REDUCED SIZE DRAWING

APPR	DATE	DESCRIPTION

NAVFAC

STATE OF FLORIDA
REBECCA OLIVARES DAELY
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12/17/2021
REGISTERED ARCHITECT
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BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 2/16/2022

ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email

SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW	MCL	CHK	ROD
PMDM					CJW / SVR
BRANCH MANAGER					
CHIEF ENG/ARCH					EJA
FP ENGINEER					DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CODE:
MCAS BEAUFORT

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NORFOLK, VIRGINIA

BEAUFORT, SC

P-485 F35 OPERATIONS SUPPORT FACILITY

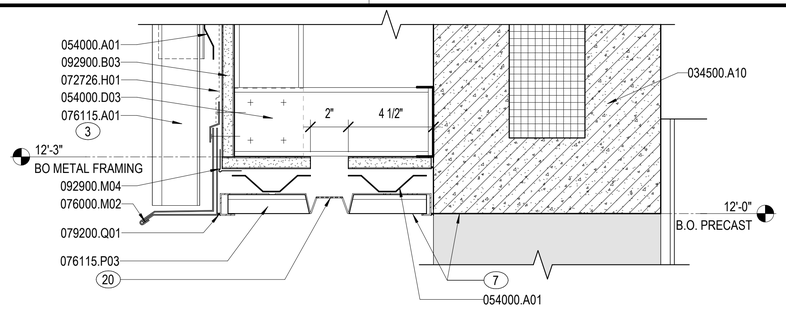
TYPICAL WALL METAL PANEL DETAILS

SCALE:	3" = 1'-0"
EPROJECT NO.:	1362850
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12854100
SHEET	79 OF 129

AE522

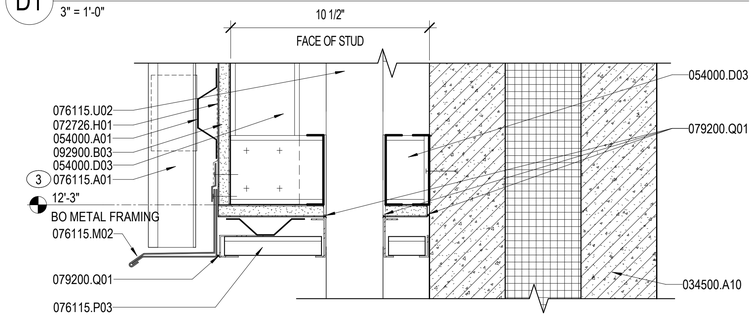
DRAWFORM REVISION: 25 AUG 2020

BIM 360://2001f_P-485 F-35 Operations Support Facility/BLDG P485-1362850.AR R20.rvt
1/27/2022 4:39:39 PM



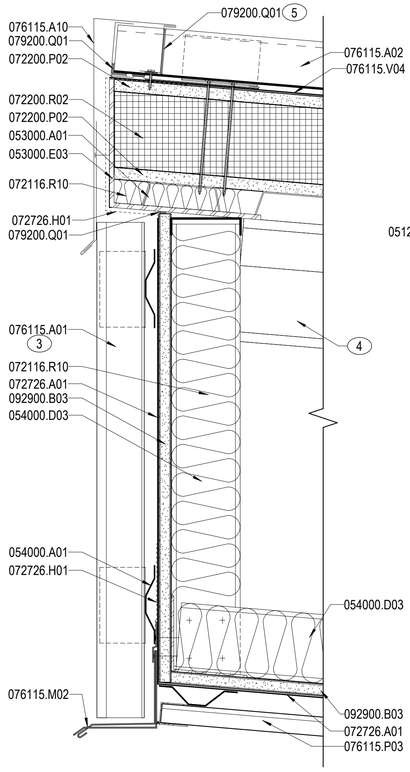
D1 SECTION DETAIL

3" = 1'-0"



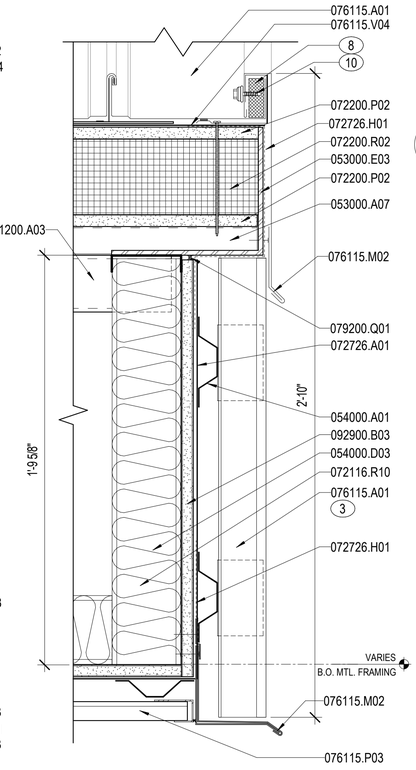
C1 SECTION DETAIL

3" = 1'-0"



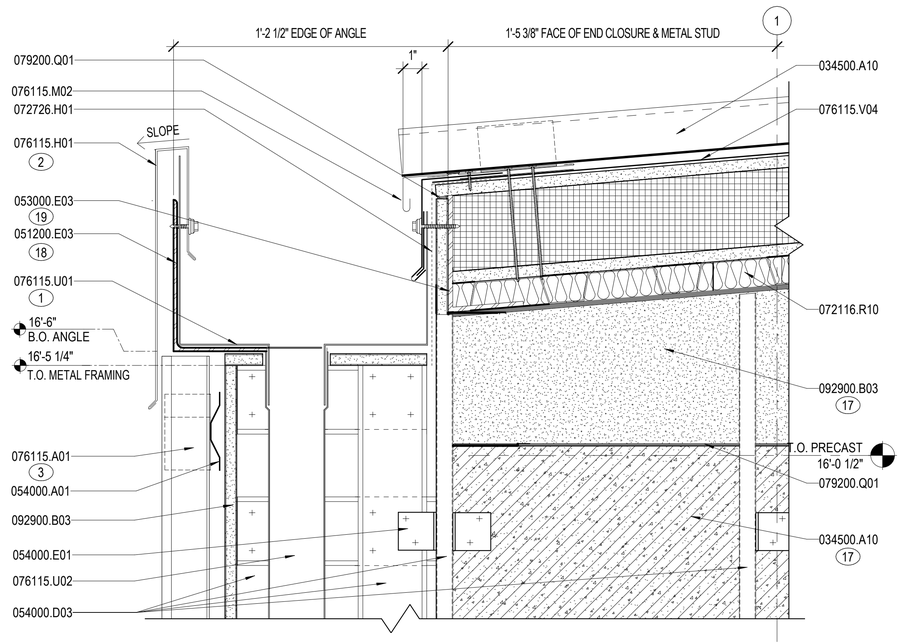
A1 SECTION DETAIL

3" = 1'-0"



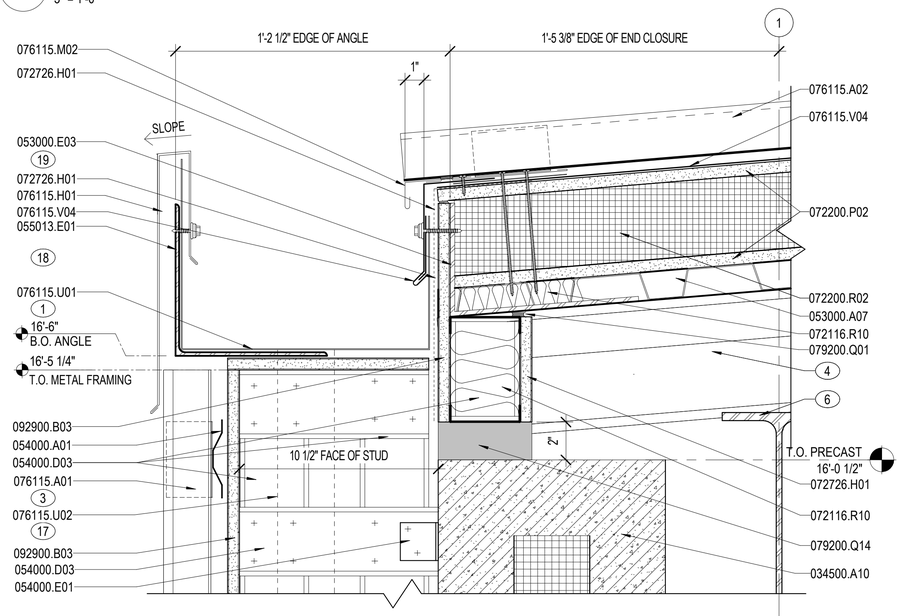
A2 SECTION DETAIL

3" = 1'-0"



B3 ESD - ROOF CORNER @ CONCEALED GUTTER & EXTERIOR METAL SOFFIT

3" = 1'-0"



A3 SECTION DETAIL - CONCEALED GUTTER & CAP

3" = 1'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.
B REFER TO SHEET SERIES "C" FOR CIVIL INFORMATION.
C REFER TO SHEET SERIES AE111 FOR INTERIOR CEILING CONDITIONS.
D REFER TO SHEET AE529 FOR TYPICAL PRECAST JOINT SEALANT, REVEAL/JOINT DIMENSIONS, AND SEALANT WEEP DETAILS.
E REFER TO SHEET AE523 FOR STANDING SEAM ROOF DETAILS. REFER TO A2/AE531 FOR ROOF PENETRATION DETAIL.
F REFER TO SHEET AE621 FOR ENLARGED DOOR DETAILS.
G REFER TO SHEET AE622 FOR LOUVER AND TRANSLUCENT PANEL ENLARGED DETAILS.
H REFER TO SHEET AF601 FOR FINISH SCHEDULES AND FINISH IDENTIFICATION SCHEDULES.
I ARCHITECTURAL EXTERIOR DIMENSIONS ARE TO EXTERIOR FACE OF INSULATED PRECAST PANEL AND FACE OF METAL STUD, UNO.
J ARCHITECTURAL INTERIOR DIMENSIONS ARE TO COLUMN GRID, FACE OF MASONRY / CONCRETE, FACE OF METAL STUD, UNO.

KEY NOTES (00)

1 GUTTER SIZE 10" DEPTH x 13" WIDE
2 METAL FLASHING AND DRIP - COLOR TO MATCH STANDING SEAM METAL ROOF PANELS
3 STANDING SEAM METAL PANEL IN VERTICAL APPLICATION
4 STEEL JOIST. REFER TO STRUCTURAL DRAWINGS.
5 AROUND NOTCHED RIBS
6 STEEL BEAM. REFER TO STRUCTURAL DRAWINGS.
7 ALIGN FINISHES
8 FOAM BLOCK W/BUTYL TAPE SEALANT BY ROOF PANEL MFR.
9 SECURE FLASHING COLLAR FLANGE TO ROOF PANEL AND NOT TO METAL BEAD OF DECK.
10 #12 x 7/8", HWH, W/W, (DO NOT PENETRATE PANEL)
11 DOUBLE WALL B-VENT. REFER TO MECHANICAL DRAWINGS.
12 MEMBRANE ENVELOPE TO CONTAIN BATT INSULATION.
13 SET IN CONTINUOUS SEALANT BED PER MANUFACTURERS INSTRUCTIONS.
14 TURN EDGE OF HOLE IN PAN TO STIFFEN
15 RAIN CAP.
16 STORM COLLAR.
17 BEYOND
18 STEEL ANGLE 7"x8"
19 6"x10" SIZE
20 SOFFIT VENT 2" WIDE ALONG EXTENT OF NON-INSULATED EXTERIOR WALL SOFFIT AREAS

MATERIAL NOTES

034500.A10	PRECAST CONCRETE INSULATED WALL PANEL
051200.A03	STEEL TUBE BEAM
051200.E03	STEEL PLATE, BENT
053000.A01	STEEL DECK
053000.A07	STEEL ROOF DECK
053000.E03	END CLOSURE
054000.A01	METAL FRAMING
054000.D03	METAL STUD 3 5/8"
054000.E01	METAL CLIP ANGLE
055013.E01	STEEL ANGLE
072116.R10	BLANKET INSULATION, UNFACED
072200.P02	GLASS MAT GYPSUM PROTECTION BOARD
072200.R02	ROOF INSULATION BOARD
072726.A01	FLUID-APPLIED AIR BARRIER, VAPOR-RETARDING
072726.H01	MEMBRANE FLASHING STRIP
076000.M02	DRIP EDGE
076115.A01	STANDING-SEAM METAL ROOF PANEL
076115.A02	STANDING-SEAM METAL ROOF PANEL SYSTEM
076115.A10	RIDGE CAP
076115.H01	METAL FLASHING
076115.M02	DRIP EDGE
076115.P03	METAL SOFFIT PANEL SYSTEM
076115.U01	GUTTER
076115.U02	DOWNSPOUT
076115.V04	HIGH TEMPERATURE RESISTANT UNDERLAYMENT
079200.Q01	JOINT SEALANT
079200.Q14	PREFORMED FOAM JOINT FILLER
092900.B03	GLASS MAT FACED EXTERIOR GYPSUM SHEATHING 5/8"
092900.M04	CORNERBEAD

0 1" 5" 10" 15"
3" = 1'-0" GRAPHIC SCALE

NOTE:
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APPR | DATE | DESCRIPTION | MK

NAVFAC

STATE OF FLORIDA
REMLOK OLIVARES DALE
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 2/16/2022

ACTIVITY
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SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW	MCL	CHK	ROD
PM/IM					CJW / SVR
BRANCH MANAGER					
CHIEF ENG/ARCH					EJA
FP ENGINEER					DSN

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
DC CODE: MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NORFOLK, VIRGINIA
BEAUFORT, SC

P-485 F35 OPERATIONS SUPPORT FACILITY

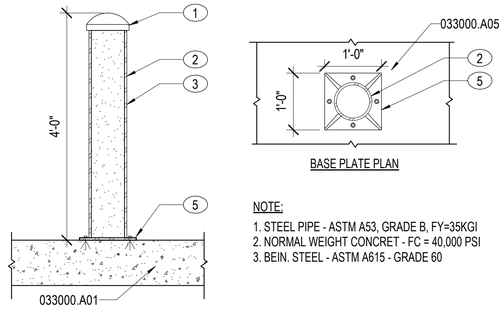
ROOF DETAILS - STANDING SEAM

SCALE: 3" = 1'-0"
EPROJECT NO.: 1362850
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.: 12854101
SHEET 80 OF 129

AE523

DRAWFORM REVISION: 25 AUG 2020

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12/7/2022 4:39:45 PM

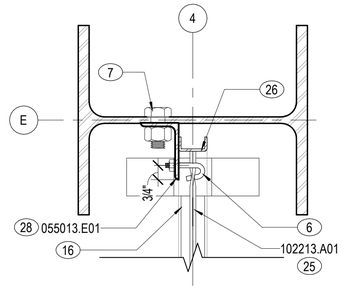


BASE PLATE PLAN

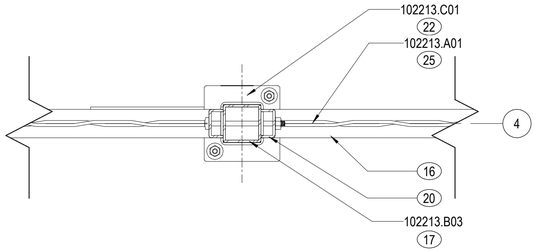
NOTE:

1. STEEL PIPE - ASTM A53, GRADE B, FY=35KGI
2. NORMAL WEIGHT CONCRETE - FC = 40,000 PSI
3. BEIN. STEEL - ASTM A615 - GRADE 60

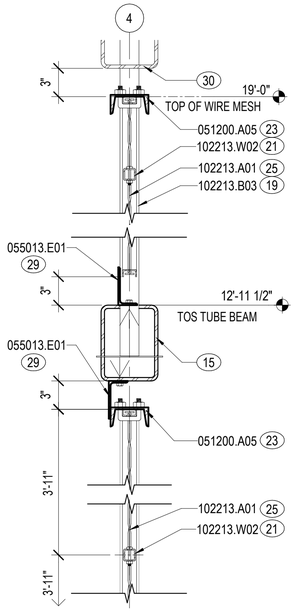
D1 REMOVABLE BOLLARD
3/4" = 1'-0"



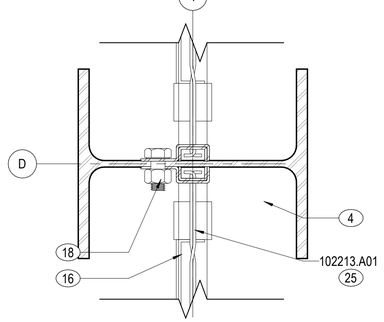
D2 PLAN DETAIL - WIRE MESH @ COLUMN
3" = 1'-0"



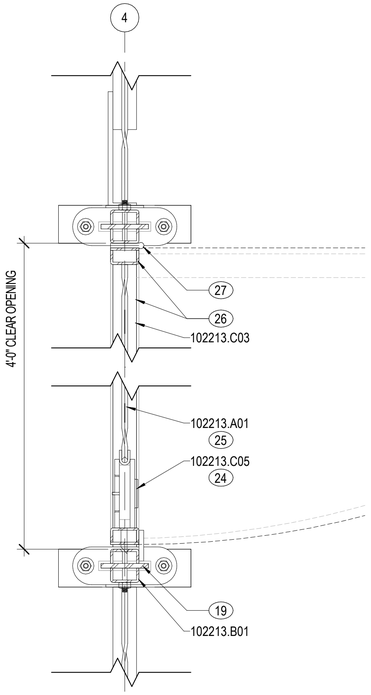
C2 PLAN DETAIL - WIRE MESH BASE POST
3" = 1'-0"



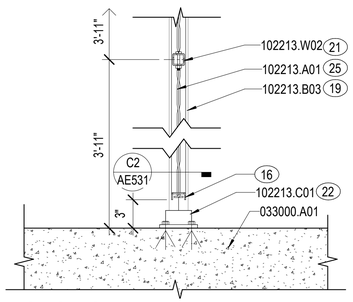
B1 SECTION DETAIL WIRE MESH HORIZ. CHANNEL
1 1/2" = 1'-0"



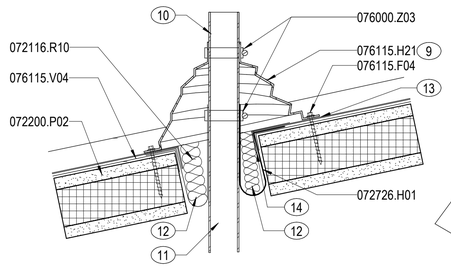
B2 PLAN DETAIL - WIRE MESH @ COLUMN
3" = 1'-0"



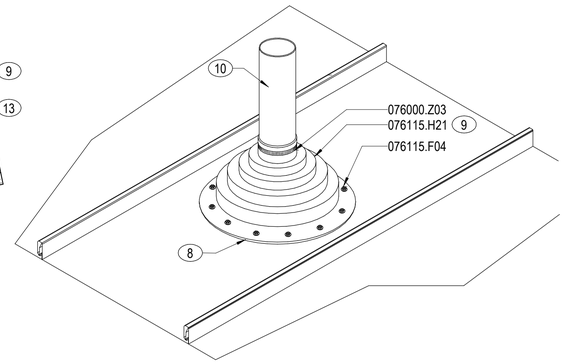
B3 PLAN DETAIL - WIRE MESH HINGED DOOR
3" = 1'-0"



A1 SECTION DETAIL WIRE MESH BASE CHANNEL
1 1/2" = 1'-0"



A2 SMALL PIPE PENETRATION DETAIL
3" = 1'-0"



NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.

B R-VALUE FOR ALL ROOF INSULATION IS TO BE EQUAL TO R-25 MINIMUM CONTINUOUS. INSULATION FOR DESIGN PURPOSES IS BASED ON 1" POLYISOCYANURATE INSULATION = R-6.

C SLOPED ROOFING COMPOSITION IS AN ALUMINUM STANDING SEAM METAL ROOFING PANEL ON 5/8" GLASS MAT COVER BOARD OVER 4" POLYISOCYANURATE RIGID BOARD INSULATION ON METAL DECK. REFER TO SPECIFICATION SECTION 07 61 15. REFER TO STRUCTURAL DRAWINGS FOR DECK INFOR

D STANDING SEAM METAL ROOF TO BE 1" PER FOOT MINIMUM.

E ARCHITECTURAL EXTERIOR DIMENSIONS ARE TO EXTERIOR FACE OF INSULATED PRECAST PANEL AND FACE OF METAL STUD, UNO.

F ARCHITECTURAL INTERIOR DIMENSIONS ARE TO COLUMN GRID, FACE OF MASONRY / CONCRETE, FACE OF METAL STUD, UNO.

KEY NOTES (00)

1 3" DOME CAP OVER END OF PIPE-FILL POST CAP WITH CONCRETE
2 6" DIA SCHEDULE 80 STEEL PIPE FILLED WITH CONCRETE
3 PART PIPE WITH 4" WIDE HORIZONTAL STRIPS-ALTERNATING BETWEEN "FLAT BLACK" AND "GLOSSY SAFETY YELLOW"
4 STEEL COLUMN. REFER TO STRUCTURAL DRAWINGS.
5 12"X12"X1/2" STEEL BASE PLATE WITH 4-3/8" DIA. EXPANSION ANCHORS WITH 2 1/2" MINIMUM EMBEDMENT
6 1/4" DIAMETER "J" BOLT
7 CLIP - ANCHORAGE: 3/8" x 1 7/8" STUD BOLT OR 1/4" - 20 BOLT AND DOUBLE EXPANSION SHIELD AT MASONRY WALLS.
8 SET SECUREMENT RING IN CONTINUOUS BEAD OF SEALANT
9 SECURE FLASHING COLLAR FLANGE TO ROOF PANEL AND NOT TO METAL BEAD OF DECK.
10 EQUIPMENT SUPPORT STAND OR VENT THRU ROOF.
11 CONTINUES TO STRUCTURE BELOW.
12 MEMBRANE ENVELOPE TO CONTAIN BATT INSULATION.
13 SET IN CONTINUOUS SEALANT BED PER MANUFACTURERS INSTRUCTIONS.
14 TURN EDGE OF HOLE IN PAN TO STIFFEN
15 STEEL BEAM. REFER TO STRUCTURAL DRAWINGS.
16 1 1/2" x 3/4" x 1/8" HORIZONTAL CHANNEL
17 2" x 2" x 1/8" TUBE
18 WALL CLIP - ANCHORAGE: 3/8" x 1 7/8" STUD BOLT OR 1/4" - 20 BOLT AND DOUBLE EXPANSION SHIELD AT MASONRY WALLS.
19 FLAT BAR AS PER SPECS
20 1 1/2" x 3/4" x 1/8" VERTICAL CHANNEL
21 1 1/4" x 1/2" x 1/8" CHANNELS FOR CENTER RAILS (2) REQUIRED
22 CAST FLOOR SHOES WITH (2) 3/8" x 1 7/8" STUD BOLTS FOR CONCRETE FLOOR
23 3" x 4.1 # (CAPRIAL WITH "U" BOLTS AT 2'-4" O.C.)
24 MARK SERIES MORTISE LOCK CYLINDER
25 2" DIAMOND 6 GA. WIRE MESH
26 1 1/2" x 3/4" x 1/8" STEEL CHANNEL FRAMING
27 1 1/2" PAIR OF 3 1/2" HINGES
28 3" x 2" x 3/16" STEEL ANGLE
29 4" x 2" x 1/4" STEEL ANGLE CLIP
30 STEEL TUBE BEAM. REFER TO STRUCTURAL DRAWINGS.

MATERIAL NOTES

033000.A01	CAST-IN-PLACE CONCRETE
033000.A05	CONCRETE FLOOR
051200.A05	STEEL CHANNEL
055013.E01	STEEL ANGLE
072116.R10	BLANKET INSULATION, UNFACED
072200.P02	GLASS MAT GYPSUM PROTECTION BOARD
072726.H01	MEMBRANE FLASHING STRIP
076000.Z03	DRAW BAND
076115.F04	FASTENER WITH NEOPRENE WASHER
076115.H21	ROOF PENETRATION FLASHING
076115.V04	HIGH TEMPERATURE RESISTANT UNDERLAYMENT
102213.A01	WIRE MESH PARTITION
102213.B01	DOOR OPENING FRAME
102213.B03	LINE POST
102213.C01	FLOOR SOCKET
102213.C03	HINGED DOOR
102213.C05	DOOR LOCK
102213.W02	CENTER REINFORCING BAR

0 6" 1' 2'
1½" = 1'-0" GRAPHIC SCALE

0 2" 4" 8" 1'
3" = 1'-0" GRAPHIC SCALE

0 4" 1' 2' 3' 4' 5'
3/4" = 1'-0" GRAPHIC SCALE

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NAVFAC

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REMLOK OLIVARES DALE
AR94762
12-17-2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERS + SURVEYORS
A/E INFO

APPROVED
FOR COMMANDER NAVFAC 2/16/2022
ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email

SATISFACTORY TO		DATE	12/17/2021		
DES	EAD	DRW	MCL	CHK	ROD
PM/DM					CJW / SVR
BRANCH MANAGER					DJD
CHIEF ENG/ARCH					EJA
FP ENGINEER					DSN

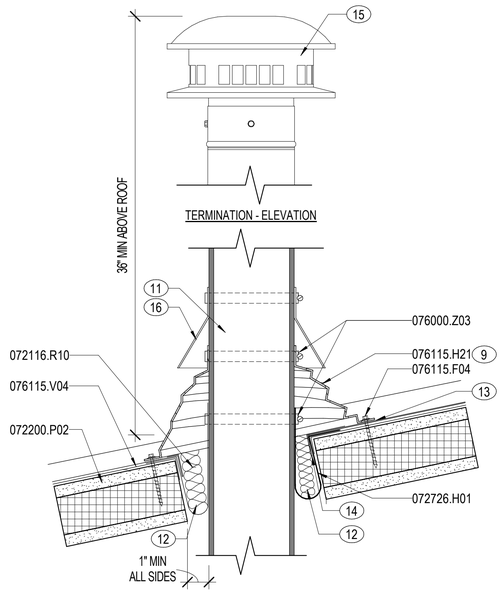
DEPARTMENT OF THE NAVY
DC CORE
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
MISCELLANEOUS DETAILS

SCALE:	As indicated
EPROJECT NO.:	1362850
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12854102
SHEET	81 OF 129

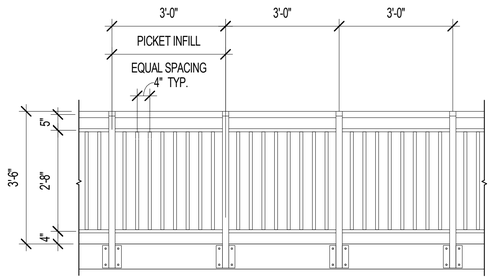
AE531

DRAWFORM REVISION: 25 AUG 2020

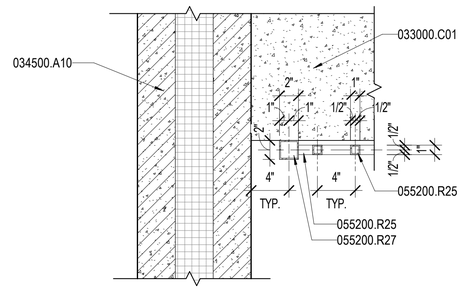
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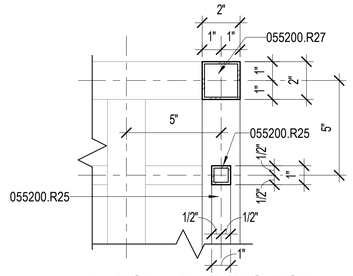
C1 FLUE PENETRATION DETAIL
3" = 1'-0"



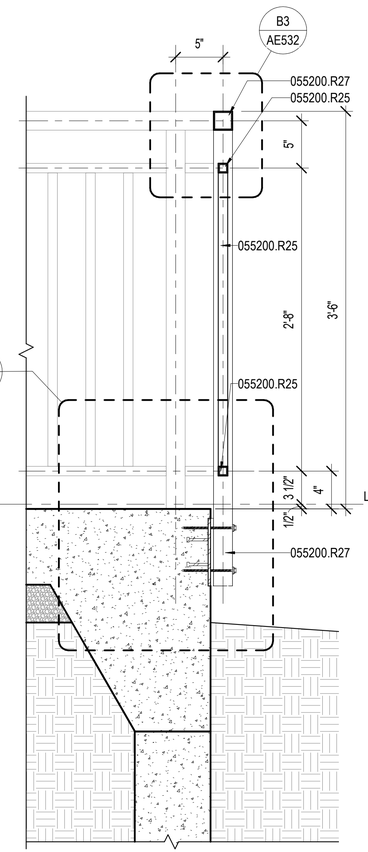
C2 PARTIAL RAILING ELEVATION
1/2" = 1'-0"

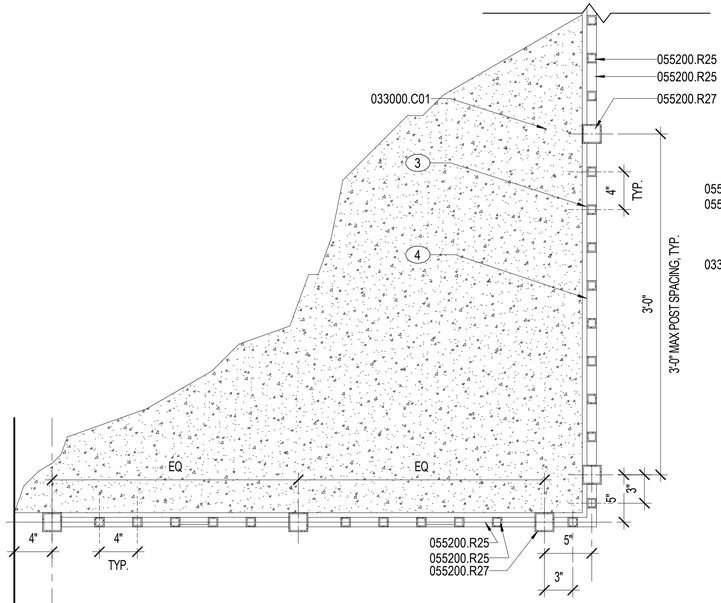


C4 ESD - RAIL POST PLAN DETAIL @ BLD'G
1 1/2" = 1'-0"

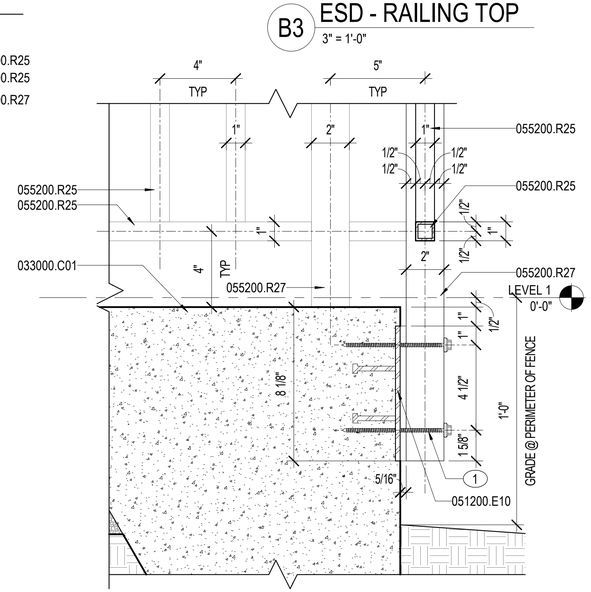


B3 ESD - RAILING TOP
3" = 1'-0"





A1 EPD - RAIL POST PLAN DETAIL
1 1/2" = 1'-0"



A2 ESD - RAILING BASE
3" = 1'-0"

A4 ESD - RAILING @ SIDEWALK
1 1/2" = 1'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.
B ALL VERTICAL 5/8" DIAMETER TUBE TO BE SPACED 4" OC MAX.
C RAIL POSTS TO BE SPACED 3'-0" OC MAX.
D DIMENSIONS ON THIS SHEET ARE FACE OF PRECAST, UNO.

KEY NOTES (00)

1 3/8" x 5" LAG SCREW, TYP.
3 5/8" ROUND TUBE INFILL
4 2" X 1/2" FLAT BOTTOM RAIL

MATERIAL NOTES

033000.C01	CONCRETE WALK
034500.A10	PRECAST CONCRETE INSULATED WALL PANEL
051200.E10	EMBEDDED STEEL PLATE
055200.R25	ALUMINUM TUBE 1" SQ
055200.R27	ALUMINUM TUBE 2" SQ
072116.R10	BLANKET INSULATION, UNFACED
072200.P02	GLASS MAT GYPSUM PROTECTION BOARD
072726.H01	MEMBRANE FLASHING STRIP
076000.Z03	DRAW BAND
076115.F04	FASTENER WITH NEOPRENE WASHER
076115.H21	ROOF PENETRATION FLASHING
076115.V04	HIGH TEMPERATURE RESISTANT UNDERLAYMENT

0 1' 2' 4' 6' 8'
1/2" = 1'-0" GRAPHIC SCALE

0 2" 4" 8" 1'
3" = 1'-0" GRAPHIC SCALE

0 2" 10" 20" 30"
1½" = 1'-0" GRAPHIC SCALE

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING

APPR | DATE | NUM | DESCRIPTION

NAVFAC

STATE OF FLORIDA
REMLOK OLIVARES DALE
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 2/16/2022
ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email

SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW	MCL	CHK	ROD
PMDM					CJW / SVR
BRANCH MANAGER					DJD
CHIEF ENG/ARCH					EJA
FP ENGINEER					DSN

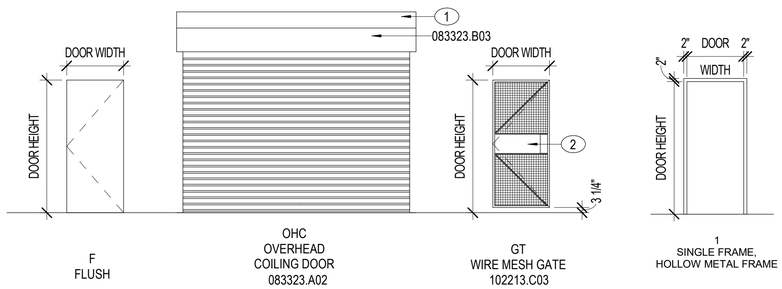
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CODE:
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
MISCELLANEOUS DETAILS

SCALE: As indicated
EPR/PROJECT NO.: 1362850
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.: 12854103
SHEET 82 OF 129

AE532

DRAWFORM REVISION: 25 AUG 2020

BIM: 360://2017-1- P-485 F-35 Operational Support Facility/BLDG-P485-1362850-AR_R20.rvt
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DOOR SCHEDULE														
	DOOR						FRAME				DETAILS			
DOOR NO.		WD	WD/ SEC	HT	MAT	TYPE	MAT	TYPE	RATING (MIN)	HDWR SET	HEAD	JAMB	SILL DETAIL	RMK
101.1		4'-0"		8'-0"	STL	F	STL	1	--	1	C3/AE621	B3/AE621	A3/AE621	
101.2		16'-8"		14'-0"	STL	OHC	STL	MFR	--	2	A1/AE511	B1/AE621, B2/AE621	A2/AE621	1
101.3		16'-8"		14'-0"	STL	OHC	STL	MFR	--	2	A1/AE511	B1/AE621, B2/AE621	A2/AE621	1
101.4		4'-0"		8'-0"	STL	F	STL	1	--	1	C3/AE621	B3/AE621	A3/AE621	
101.5		4'-0"		8'-0"	STL	GT	STL	MFR	--	3	--	B3/AE531	--	2
102.1		4'-0"		8'-0"	STL	F	STL	1	--	1	C3/AE621	B3/AE621	A3/AE621	
102.2		16'-8"		14'-0"	STL	OHC	STL	MFR	--	2	C2/AE621	B1/AE621, B2/AE621	A2/AE621	1
102.3		16'-8"		14'-0"	STL	OHC	STL	MFR	--	2	C2/AE621	B1/AE621, B2/AE621	A2/AE621	1
102.4		4'-0"		8'-0"	STL	F	STL	1	--	1	C3/AE621	B3/AE621	A3/AE621	
102.5		4'-0"		8'-0"	STL	GT	STL	MFR	--	3	--	B3/AE531	--	2

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.
B DOOR HARDWARE SETS ARE SPECIFIED IN DIVISION 8, SECTION "08 71 00 DOOR HARDWARE".
C DOOR FRAME PROFILES ARE GENERIC, REFER TO SPECIFICATIONS 08 11 13 FOR PERFORMANCE REQUIREMENTS.
D DOOR DIMENSIONS ARE NOMINAL. ROUGH OPENING SIZES TO BE COORDINATED WITH PRECAST DIMENSIONS. TYPICAL.
E PROVIDE DRIP STRIP AT ALL HOLLOW METAL EXTERIOR DOORS.
F FIELD VERIFY ALL DIMENSIONS.

DOOR REMARKS

1 MOTORIZED COILING DOOR.
2 KEYED ACCESS ONLY ON BOTH SIDES OF GATE.

KEY NOTES (00)

1 MECHANICALLY FASTENED, ALUMINUM PLATE COVER. PAINT TO MATCH OVERHEAD COILING DOOR MOTOR COVER. PROVIDE WELDED END PANELS.
2 SOLID WELDED METAL PANEL FOR GATE HARDWARE.

MATERIAL NOTES

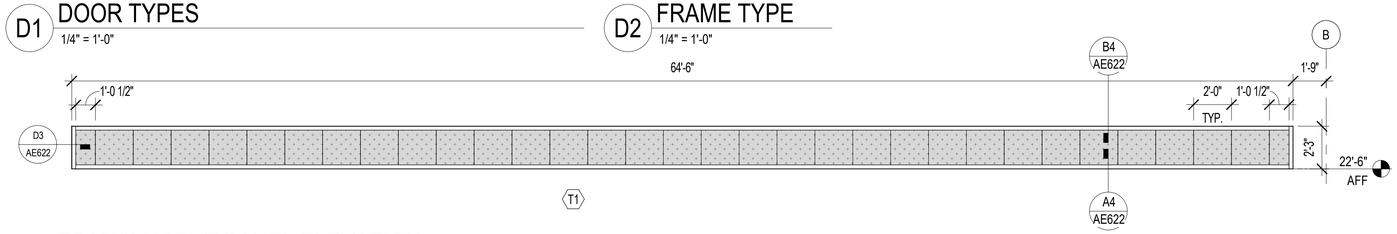
083323.A02 INSULATED OVERHEAD COILING DOOR
083323.B03 COILING DOOR HOOD
089100.A01 EXTRUDED ALUMINUM WALL LOUVER
102213.C03 HINGED DOOR

D1 DOOR TYPES

1/4" = 1'-0"

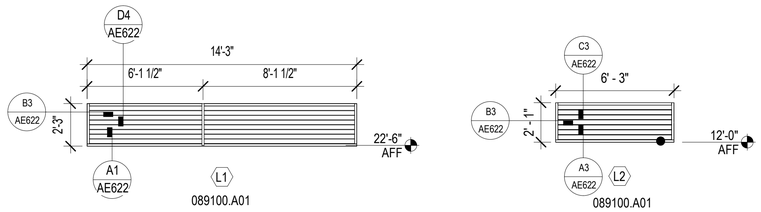
D2 FRAME TYPE

1/4" = 1'-0"



C1 TRANSLUCENT PANEL ELEVATION

1/4" = 1'-0"



B1 LOUVER ELEVATIONS

1/4" = 1'-0"

0 1' 5' 10' 15'
1/4" = 1'-0" GRAPHIC SCALE

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING

APPR
DATE
DESCRIPTION
MK

NAVFAC

STATE OF FLORIDA
REBECK OLIVAREZ ONEIL
AR94763
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 2/16/2022
ACTIVITY
Approved by J. Scott Roberts, Asset Management Branch Head & Supervisory Facility Planner, PWD Beaufort, SC. via email

SATISFACTORY TO DATE 12/17/2021
DES EAD DRW KJF CHK ROD
PM/DM CJW / SVR
BRANCH MANAGER DJD
CHIEF ENG/ARCH EJA
FP ENGINEER DSN

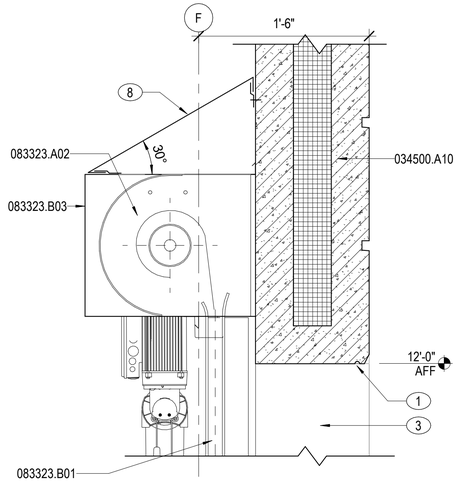
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND ~ MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
DOOR SCHEDULE AND DOOR, TRANSLUCENT PANEL, AND LOUVER ELEVATIONS

SCALE: 1/4" = 1'-0"
EPROJECT NO.: 1362850
CONSTR. CONTR. NO.
NAVFAC DRAWING NO.: 12854104
SHEET 83 OF 129

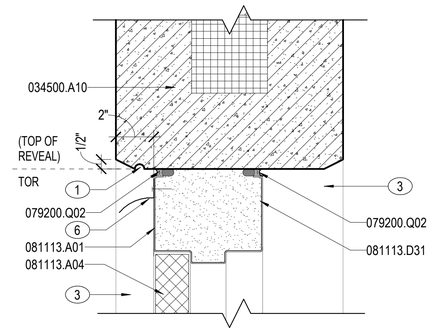
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DRAWFORM REVISION: 25 AUG 2020

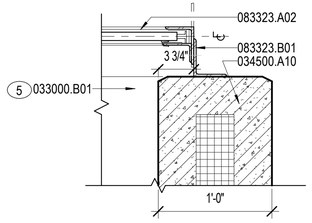
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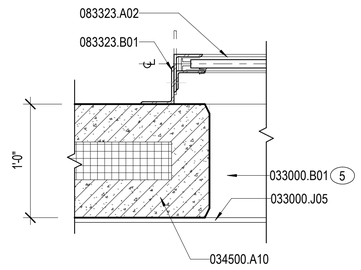
C2 HEAD DETAIL - OVERHEAD COILING DOOR
1 1/2" = 1'-0"



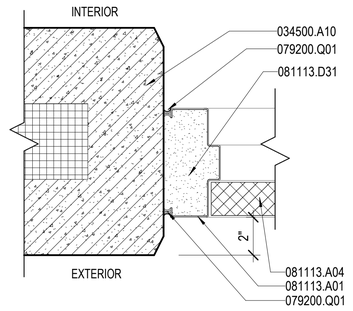
C3 HEAD DETAIL
3" = 1'-0"



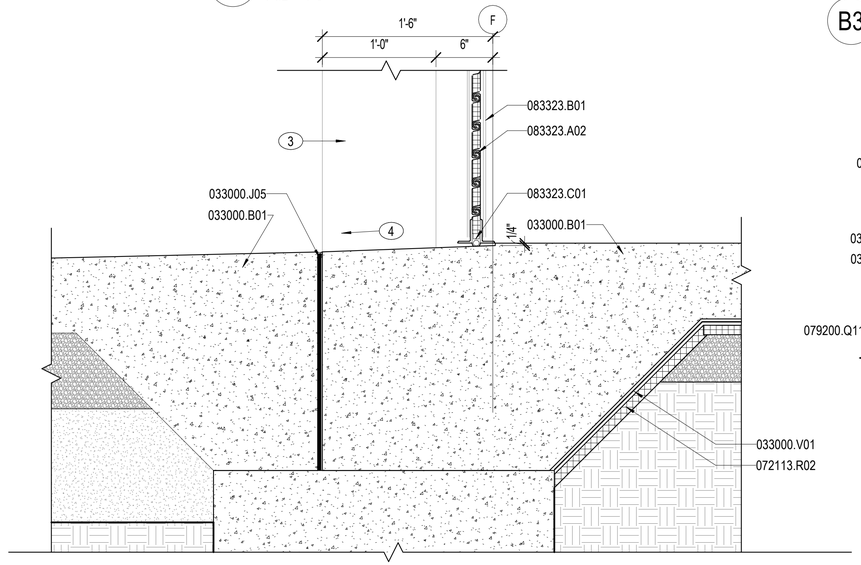
B1 JAMB DETAIL
1 1/2" = 1'-0"



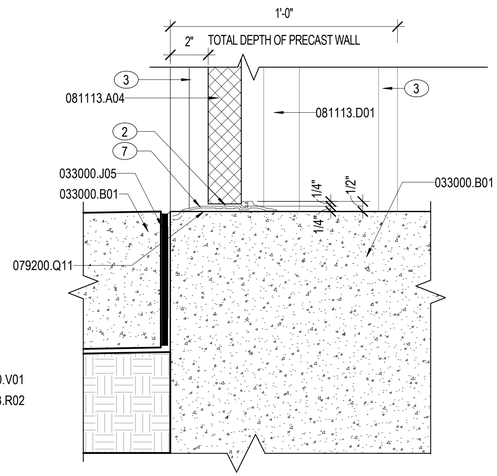
B2 JAMB DETAIL - OVERHEAD DOOR
1 1/2" = 1'-0"



B3 JAMB DETAIL
3" = 1'-0"



A2 SILL DETAIL - OVERHEAD DOOR
1 1/2" = 1'-0"



A3 SILL DETAIL
3" = 1'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.
B DOOR HARDWARE SETS ARE SPECIFIED IN DIVISION 8, SECTION "08 71 00 DOOR HARDWARE".
C DOOR FRAME PROFILES ARE GENERIC, REFER TO SPECIFICATIONS 08 11 13 FOR PERFORMANCE REQUIREMENTS.
D DOOR DIMENSIONS ARE NOMINAL. ROUGH OPENING SIZES TO BE COORDINATED WITH PRECAST DIMENSIONS. TYPICAL.
E PROVIDE DRIP STRIP AT ALL HOLLOW METAL EXTERIOR DOORS.
F FIELD VERIFY ALL DIMENSIONS.

KEY NOTES (00)

1 PRECAST PANEL DRIP EDGE.
2 THRESHOLD. REFER TO DOOR HARDWARE SCHEDULE.
3 INSULATED PRECAST WALL SYSTEM BEYOND.
4 SLOPE EDGE OF SLAB TO MATCH ELEVATION OF CONCRETE PADS, DRIVES, AND/OR WALKS AS SHOWN ON CIVIL GRADING PLANS. TOP OF SLOPE TO BEGIN AT INTERIOR CONCRETE SLAB FINISH GRADE AT THE INSIDE FACE OF THE EXTERIOR PRECAST WALL SYSTEM. SLOPE WILL NOT EXCEED 1:12 SLOPE.
5 BEYOND.
6 DRIP STRIP.
7 SLOPES PROVIDED BY DOOR THRESHOLD TO NOT BE STEEPER THAN 1:2 SLOPE PER ABA STANDARDS (2015) 303.3
8 MECHANICALLY FASTENED, ALUMINUM PLATE COVER. PAINT TO MATCH OVERHEAD COILING DOOR MOTOR COVER. PROVIDE WELDED END PANELS.

MATERIAL NOTES

033000.B01	CONCRETE SLAB
033000.J05	PREFORMED JOINT FILLER
033000.V01	VAPOR BARRIER
034500.A10	PRECAST CONCRETE INSULATED WALL PANEL
072113.R02	PERIMETER INSULATION
079200.Q01	JOINT SEALANT
079200.Q02	BACKSTOP AND SEALANT
079200.Q11	SEALANT BED
081113.A01	STEEL DOOR
081113.A04	STEEL DOOR, INSULATED
081113.D01	STEEL DOOR FRAME
081113.D31	MINERAL FIBER FILL FOR STEEL DOOR FRAME
083323.A02	INSULATED OVERHEAD COILING DOOR
083323.B01	COILING DOOR GUIDES
083323.B03	COILING DOOR HOOD
083323.C01	BOTTOM BAR/WEATHER SEAL

0 6" 1' 2'
1½" = 1'-0" GRAPHIC SCALE

0 1" 5" 10" 15"
3" = 1'-0" GRAPHIC SCALE

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING

APPR | DATE | NO. | DESCRIPTION

NAVFAC

STATE OF FLORIDA
REBECA OLIVARES DALE
AR94763
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
FOR COMMANDER NAVFAC 2/16/2022

ACTIVITY
Approved by J. Scott Roberts,
Asset Management Branch Head
& Supervisory Facility Planner,
PWD Beaufort, SC via email

SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW	KJF	CHK	ROD
PM/DM					CJW / SVR
BRANCH MANAGER					DJD
CHIEF ENG/ARCH					EJA
FP ENGINEER					DSN

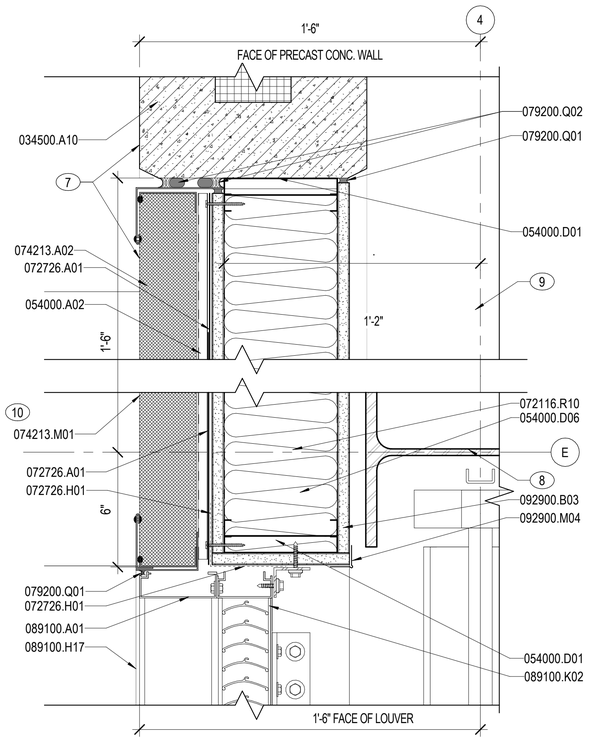
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DC CORE
MCAS BEAUFORT
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – MID-ATLANTIC
NORFOLK, VIRGINIA
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
DOOR DETAILS

SCALE:	As indicated
EPROJECT NO.:	1362850
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	12854105
SHEET	84 OF 129

AE621

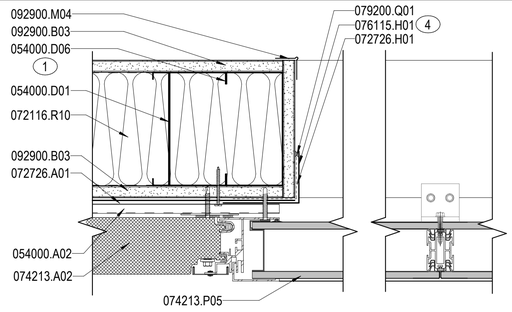
DRAWFORM REVISION: 25 AUG 2020

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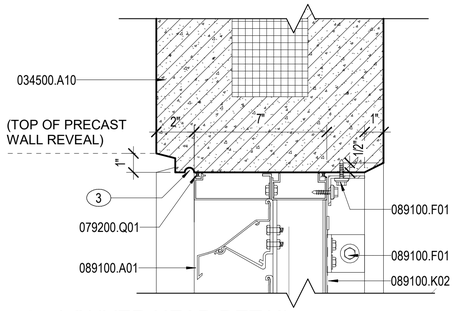
B1 LOUVER JAMB DETAIL

3" = 1'-0"



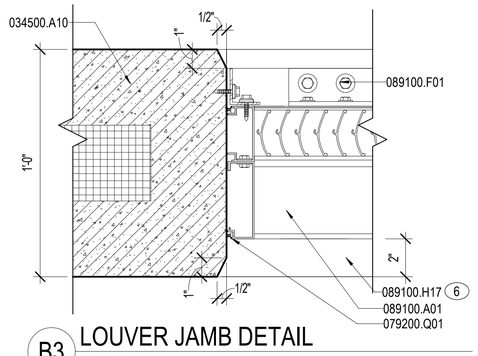
D3 TRANSLUCENT PANEL JAMB

3" = 1'-0"



C3 LOUVER HEAD DETAIL

3" = 1'-0"

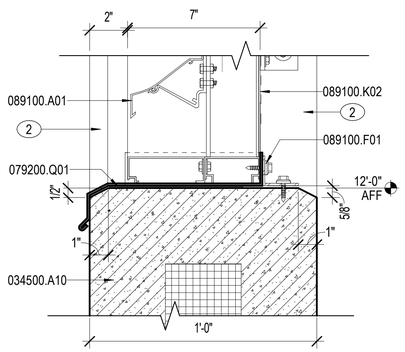


B3 LOUVER JAMB DETAIL

3" = 1'-0"

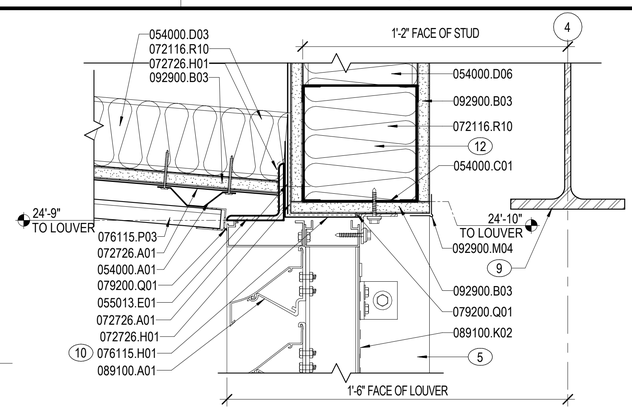
A1 LOUVER SILL DETAIL

3" = 1'-0"



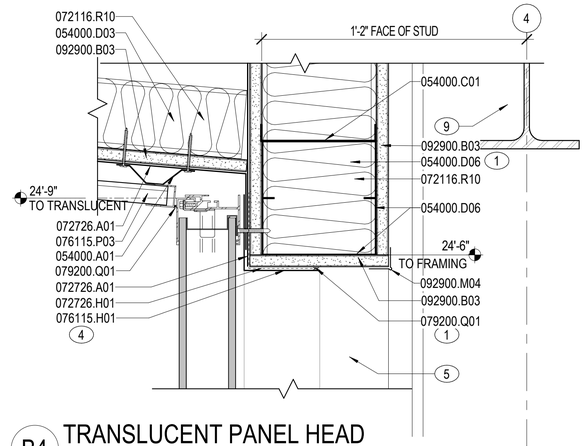
A3 LOUVER SILL DETAIL

3" = 1'-0"



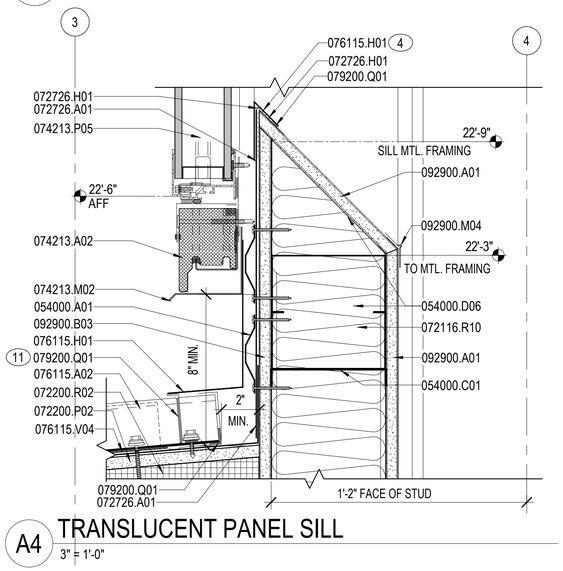
D4 LOUVER HEAD DETAIL

3" = 1'-0"



B4 TRANSLUCENT PANEL HEAD

3" = 1'-0"



A4 TRANSLUCENT PANEL SILL

3" = 1'-0"

NOTES:

SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.

B TRANSLUCENT PANEL ARE INTEGRATED WITH THE INSULATED METAL WALL PANEL SYSTEM. REFER TO SPECIFICATION SECTION 07 14 13 FOR PERFORMANCE REQUIREMENTS.

C LOUVER PROFILES ARE GENERIC. REFER TO SPECIFICATION SECTION 08 91 00 FOR PERFORMANCE REQUIREMENTS.

D DIMENSIONS ARE NOMINAL. ROUGH OPENING SIZES TO BE COORDINATED.

E FIELD VERIFY ALL DIMENSIONS.

KEY NOTES (00)

1 METAL STUD WITH 3" FLANGE
2 INSULATED PRECAST WALL SYSTEM BEYOND.
3 PRECAST PANEL DRIP EDGE.
4 TYPICAL. FLASHING TRIM TO PROVIDE FULL COVERAGE AND PROTECTION OF FLUID AIR BARRIER BRIDGING THE GAP BETWEEN THE EXTERIOR SHEATHING AND FIBERGLASS SANDWICH PANEL FRAMING SYSTEM..
5 FINISH OF INTERIOR WALL BEYOND.
6 BEYOND.
7 ALIGN FINISHES
8 STEEL COLUMN. REFER TO STRUCTURAL DRAWINGS.
9 STEEL BEAM. REFER TO STRUCTURAL DRAWINGS.
10 TYPICAL. FLASHING TRIM TO PROVIDE FULL COVERAGE AND PROTECTION OF FLUID AIR BARRIER BRIDGING THE GAP BETWEEN THE EXTERIOR SHEATHING AND METAL LOUVER
11 AROUND NOTCHED RIBS
12 6" COLD-FORMED BOX HEADER

MATERIAL NOTES

034500.A10	PRECAST CONCRETE INSULATED WALL PANEL
054000.A01	METAL FRAMING
054000.A02	METAL CHANNEL
054000.C01	METAL STUD RUNNER TRACK
054000.D01	METAL STUD
054000.D03	METAL STUD 3 5/8"
054000.D06	METAL STUD 6"
055013.E01	STEEL ANGLE
072116.R10	BLANKET INSULATION, UNFACED
072200.P02	GLASS MAT GYPSUM PROTECTION BOARD
072200.R02	ROOF INSULATION BOARD
072726.A01	FLUID-APPLIED AIR BARRIER, VAPOR-RETARDING
072726.H01	MEMBRANE FLASHING STRIP
074213.A02	INSULATED METAL WALL PANEL SYSTEM
074213.M01	METAL TRIM
074213.M02	DRIP EDGE
074213.P05	TRANSLUCENT PANEL SYSTEM
076115.A02	STANDING-SEAM METAL ROOF PANEL SYSTEM
076115.H01	METAL FLASHING
076115.P03	METAL SOFFIT PANEL SYSTEM
076115.V04	HIGH TEMPERATURE RESISTANT UNDERLAYMENT
079200.Q01	JOINT SEALANT
079200.Q02	BACKSTOP AND SEALANT
089100.A01	EXTRUDED ALUMINUM WALL LOUVER
089100.F01	FASTENER
089100.H17	SILL FLASHING WITH END DAMS
089100.K02	WIRE BIRD SCREEN
092900.A01	GYPSUM BOARD, REGULAR 5/8"
092900.B03	GLASS MAT FACED EXTERIOR GYPSUM SHEATHING 5/8"
092900.M04	CORNERBEAD

0 1" 5" 10" 15"
3" = 1'-0" GRAPHIC SCALE

NOTE:
IF THIS DRAWING IS LESS THAN 34" X 22"
IT IS A REDUCED SIZE DRAWING

APPR | DATE | DESCRIPTION | MK

NAVFAC

STATE OF FLORIDA
REMICK OLIVARES DELEON
AR94762
12/17/2021
REGISTERED ARCHITECT
SEAL

BAMFORTH
ENGINEERING ARCHITECTURE

A/E INFO

APPROVED
John D. Donahue, R.A.
FOR COMMANDER NAVFAC 2/16/2022
ACTIVITY
Approved by J. Scott Roberts, Asset Management Branch Head & Supervisory Facility Planner, PWD Beaufort, SC via email
SATISFACTORY TO DATE 12/17/2021

DES	EAD	DRW KJF	CHK ROD
PM/DM			CJW / SVR
BRANCH MANAGER			DJD
CHIEF ENG/ARCH			EJA
FP ENGINEER			DSN

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
NORFOLK, VIRGINIA
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND - MID-ATLANTIC
DO CORE
MCAS BEAUFORT
BEAUFORT, SC
P-485 F35 OPERATIONS SUPPORT FACILITY
TRANSLUCENT PANEL AND LOUVER DETAILS

SCALE:	3" = 1'-0"
EPROJECT NO.:	1362850
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO.	1285406
SHEET	85 OF 129

AE622

DRAWFORM REVISION: 25 AUG 2020

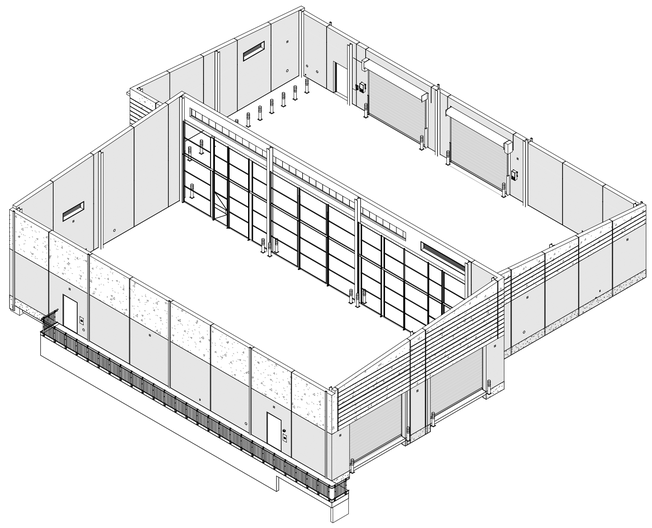
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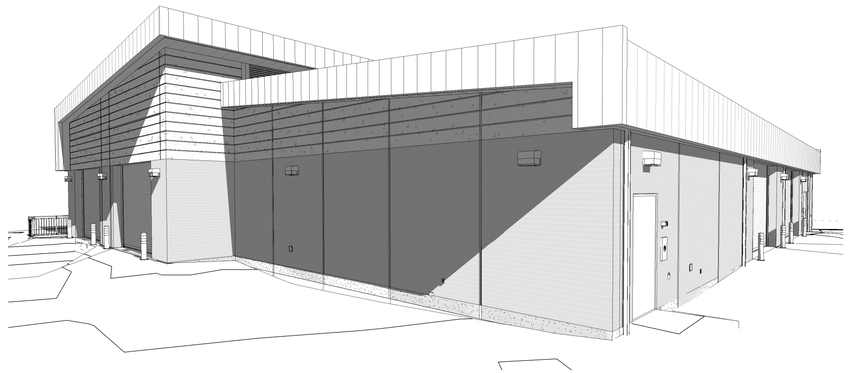
SHEET NOTES:

A REFER TO SHEET AE001 FOR GENERAL ABBREVIATIONS AND ARCHITECTURAL SYMBOLS.

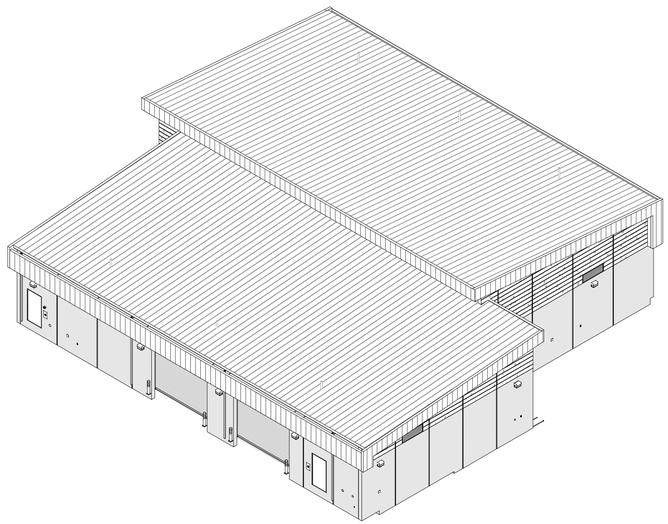
B THE 3D AXONOMETRIC VIEWS PROVIDED ARE FOR REFERENCE ONLY AND ARE NOT TO REPLACE THE INFORMATION PROVIDED IN THE CONSTRUCTION DOCUMENTS. THIS SHEET IS NOT FOR CONSTRUCTION BUT IS INCLUDED AS AN AIDE FOR VISUALIZATION TOOL.



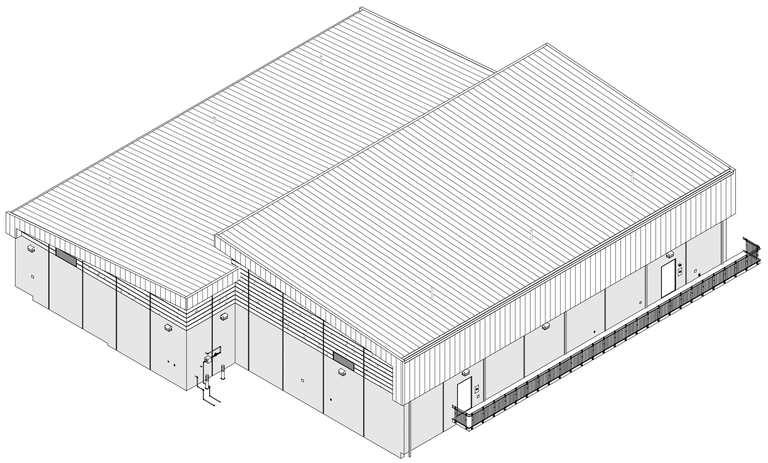
C1 AXONOMETRIC - NE VIEW



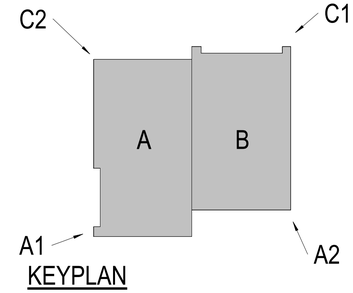
C2 PERSPECTIVE FROM NW VIEW



A1 AXONOMETRIC - SW VIEW



A2 AXONOMETRIC - SE VIEW



KEYPLAN

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MK	DESCRIPTION	DATE	APPR

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A/E INFO

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ACTIVITY
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Asset Management Branch Head
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DES	EAD	DRW	KJF	CHK	ROD
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DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
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NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND – MID-ATLANTIC
NORFOLK, VIRGINIA

BEAUFORT, SC

P-485 F35 OPERATIONS SUPPORT FACILITY

EXTERIOR 3D REFERENCE VIEWS

SCALE:
EPROJECT NO.: 1362850
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12854107
SHEET 86 OF 129

AE901

DRAWFORM REVISION: 25 AUG 2020

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