



STATEMENT BY CERTIFIED LANDSCAPE EXPERT:

THIS IS TO CERTIFY THAT I HAVE EXAMINED ALL REQUIRED GAR PLAN SUBMITTALS PRIOR TO SUBMISSION. I FURTHER CERTIFY THAT ALL GAR-RELATED ELEMENTS OF THE SUBMITTAL, INCLUDING LANDSCAPE ELEMENTS WITHIN THE LOT AND THE LISTED GAR SCORE, MEET THE SPECIFICATIONS REQUIRED UNDER CHAPTER 34 OF TITLE 11 OF THE DISTRICT OF COLUMBIA MUNICIPAL REGULATIONS.

NAME AND TITLE: MARY MARCINKO, RLA, CERTIFIED ARBORIST
ADDRESS: 10 G STREET, NE, SUITE 430, WASHINGTON, DC, 20002
PHONE NO: 202-289-4545

DATE: October 12, 2023

SIGNATURE: *Mary Marcinko*

CERTIFYING ORGANIZATION: INTERNATIONAL SOCIETY OF ARBORICULTURE

CERTIFICATION NUMBER: MA-5128A

GREEN ROOF TYPICAL PLANT LIST

RE-GROWN SEDUM TILES (PRE-GROWN TO 95% SOIL COVERAGE) WITH MINIMUM 7 SEDUM VARIETIES FROM THE FOLLOWING LIST. PROVIDE 75% EVERGREEN PLANTS.

ALLIUM CERNUUM
ALLIUM SCHOENOPRASUM
ALLIUM SENESCENS SP. MONTANUM VAR. GLAUCUM
DELOSPERMA COOPERI
DELOSPERMA NUBIGENUM
DIANTHUS CARTHUSIANORUM
PHEDIMUS TAKESIMENSIS 'GOLDEN CARPET'
SEDUM ACRE
SEDUM AIZOON 'EUPHORBIOIDES'
SEDUM ALBUM, SEDUM ALBUM 'MURALE'
SEDUM HYBRIDUM 'AMERGRUNCHEN'
SEDUM KAMTSCHATICUM
SEDUM KAMTSCHATICUM VAR. FLORIFERUM 'WEIHENSTEPHANER GOLD'
SEDUM PULCHELLUM
SEDUM REFLEXUM 'BLUE SPRUCE'
SEDUM RUPESTRE 'ANGELINA'
SEDUM SIEBOLDII
SEDUM SEXANGULARE
SEDUM SPURIMUM 'FULDAGLUT' AND OTHER CULTIVARS
TALINUM CALYONUM

BIORETENTION MIX SCHEDULE:

PLANT IN GROUPS OF 10-15

BOTANICAL NAME / COMMON NAME
5% NASELLA TENUISSIMA / MEXICAN FEATHERGRASS
5% SCHIZACHYRUM SCOPARIUM 'OVATION' / LITTLE BLUESTEM
5% SOLIDAGO RUGOSA 'FIREWORKS' / FIREWORKS
5% SPOROBOLUS HETEROLEPSIS 'TARA' / PRAIRIE DROPSEED TARA
5% VIBURNUM DENTATUM / APRWOOD VIBURNUM
5% FOTHERGILLA GARDENII / DWARF FOTHERGILLA
10% ECHINACEA PURPUREA / ECHINACEA
10% EUPATORIUM PURPUREUM / PYWEED
10% ILEX VERTICILLATA / WINTERBERRY
10% ILEX GLABRA / INKERRY
10% ITEA VIRGINICA 'HENRY'S GARNET' / HENRY'S GARNET SWEETSPIRE
20% PANICUM VIRGATUM / SWITCHGRASS

NOTES:

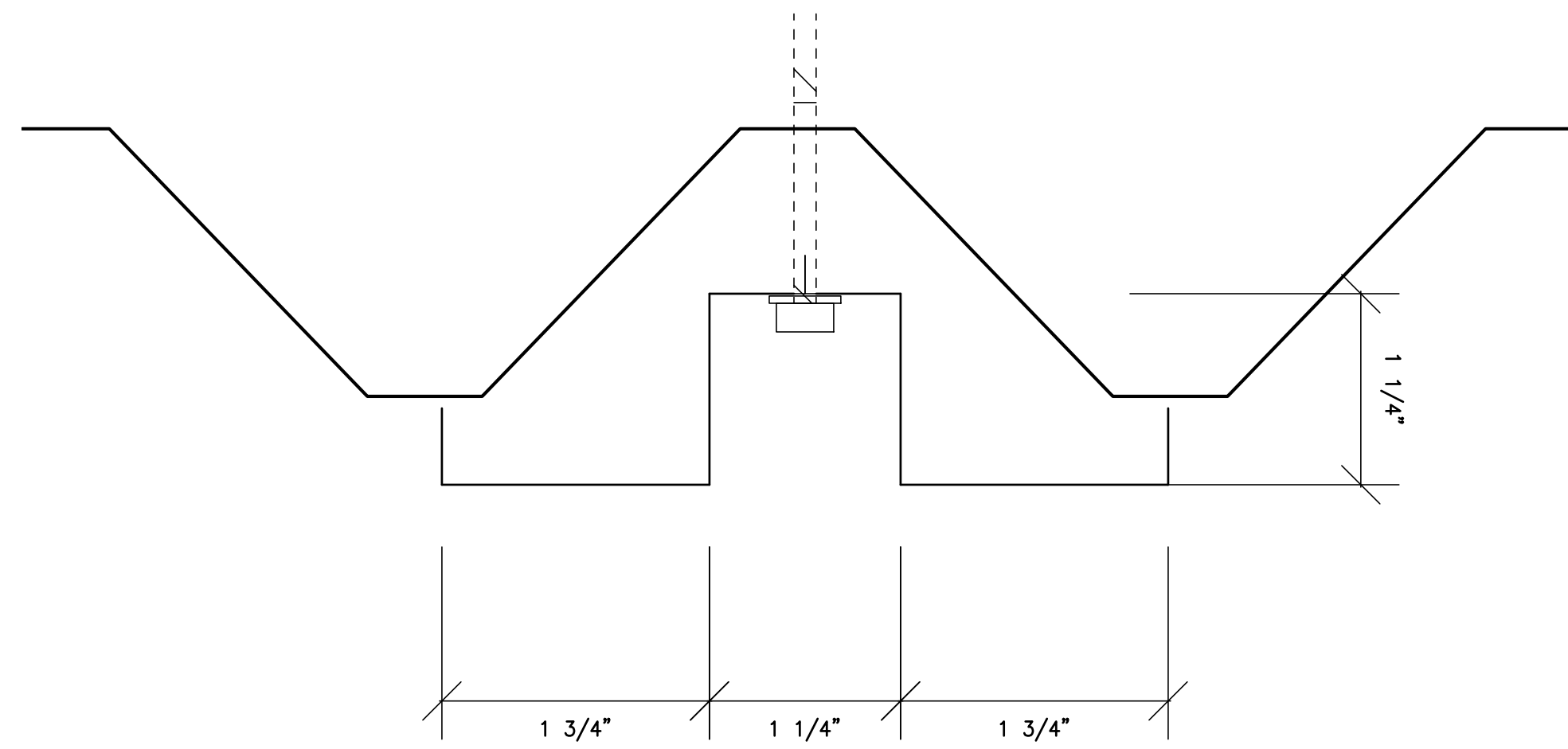
1. SEE LA105 AND LA106 FOR PLANTING NOTES AND DETAILS.

PLANT SCHEDULE:

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONT./SIZE	SPACING
	BR	13	BETULA NIGRA / RIVER BIRCH	B & B / 3" CAL.	AS SHOWN
	CE	26	CERCIS CANADENSIS / EASTERN REDBUD MULTI-TRUNK	B & B / 3" CAL.	AS SHOWN
	CF	22	CORNUS FLORIDA / FLOWERING DOGWOOD	B & B / 3" CAL.	AS SHOWN
	FG	6	FAGUS GRANDIFOLIA / AMERICAN BEECH	B & B / 3" CAL.	AS SHOWN
	IA	6	ILEX OPACA / AMERICAN HOLLY	B & B / 3" CAL.	AS SHOWN
	PO	7	PLATANUS OCCIDENTALIS / AMERICAN SYCAMORE	B & B / 3" CAL.	AS SHOWN
	UP	9	ULMUS AMERICANA 'PRINCETON' / PRINCETON AMERICAN ELM	B & B / 3" CAL.	AS SHOWN
	ZS	6	ZELKOVA SERRATA / SAWLEAF ZELKOVA	B & B / 3" CAL.	AS SHOWN
	BIO	4,524	BIORETENTION PLANTING. SEE BIORETENTION PLANTING MIX.	3 GAL.	30" o.c.
	RG	19,815	RHUS AROMATICA 'GRO-LOW' / GRO-LOW FRAGRANT SUMAC	3 GAL.	24" o.c.
	GR	76,988 SF	5" DEPTH EXTENSIVE GREEN ROOF. PROVIDE DUM TILES OR MATS. SEE GREEN ROOF PLANTING MIX.		

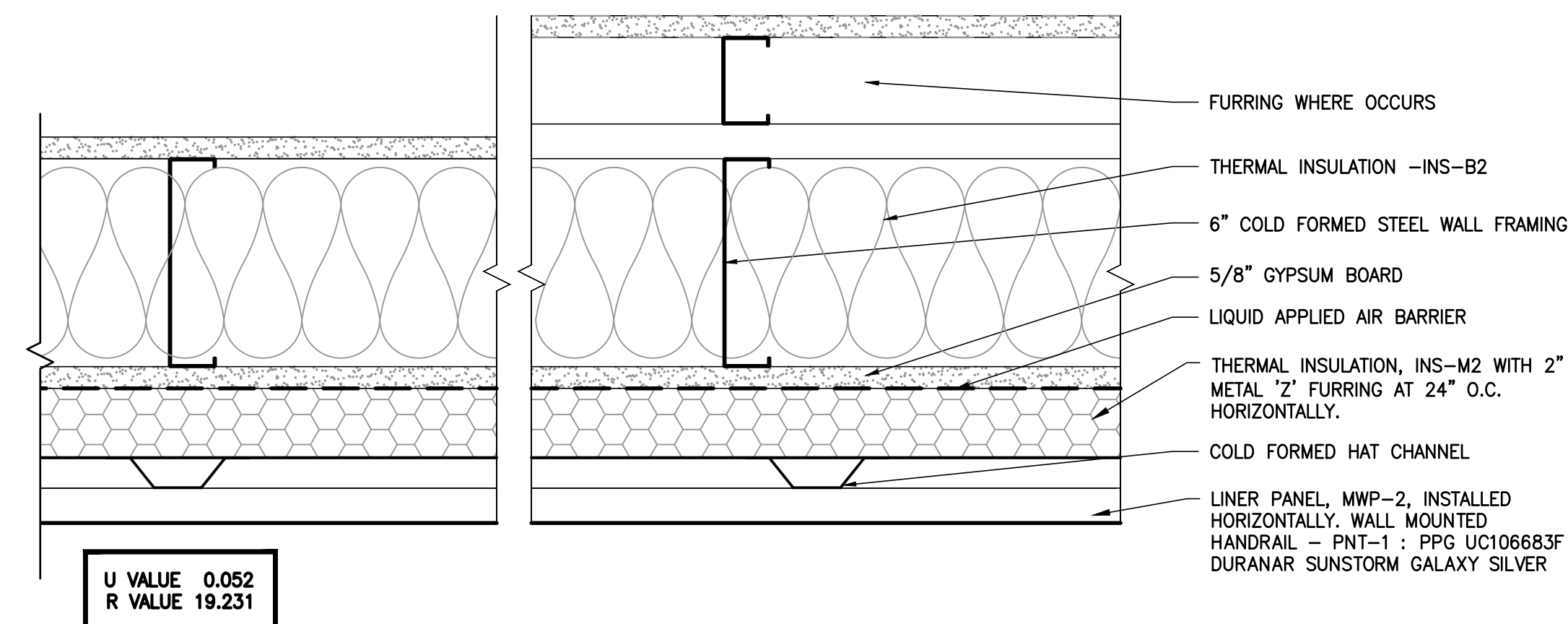
NOTE: PROVIDE TEMPORARY EROSION CONTROL MATTING FOR ESTABLISHMENT ON ALL SLOPES 3:1 OR GREATER

#	Date	Change Description
DGS BUILD MAINTAIN SUSTAIN		
NORTH AND SOUTH MPD BUILDING RAZE		
BLUE PLAINS - D.C. VILLAGE LANE SW, WASHINGTON D.C. 20032		
FOR THE GOVERNMENT OF THE DISTRICT OF COLUMBIA		
ALPHATEC PC		
ENGINEERS ARCHITECTS PLANNERS		
1525 18TH STREET N.W. WASHINGTON, D.C. 20036 TEL: 202/797-5000 FAX: 202/797-5003		
SUB-CONSULTANT:		
AMT LLC		
PROFESSIONAL ENGINEERS & LAND SURVEYORS 10 G STREET NE, SUITE 430 WASHINGTON, DC 20002 PHONE: (202) 975-1822 EMAIL: JOGAPINSKI@AMTENGINEERING.COM		
10/12/2023		
PROJECT NO: AMT 19-0749.001		
Dwg. Coord.: J.G.MLM Tech. Coord.: J.G.MLM		
PERMIT SUBMISSION		
10/12/2023		



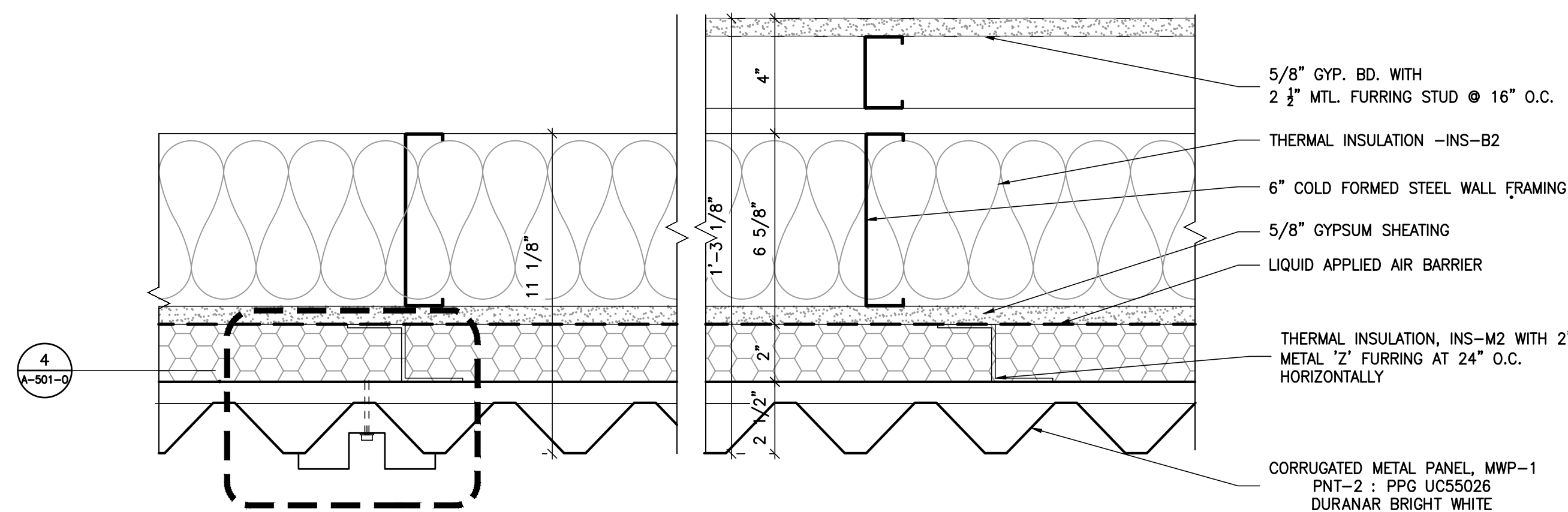
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SCALE: 1" = 1'-0"

4
A-501-0 TRIM COVER DETAIL FOR WALL TYPE 8B SCALE : 1" - 1'-0"



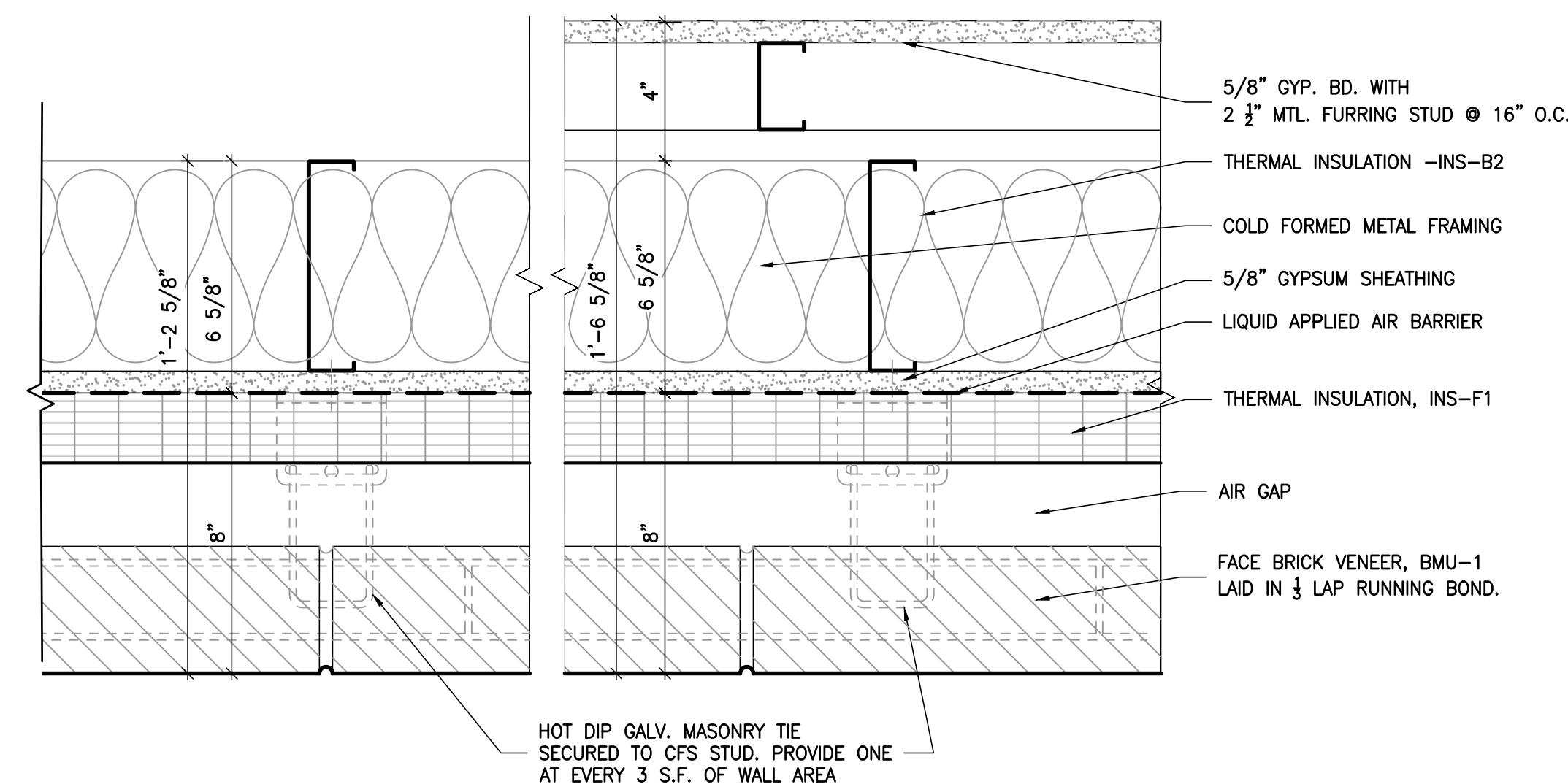
U VALUE 0.052
R VALUE 19.231

3
A-501-0 EXTERIOR WALL TYPE 9 - PLAN VIEW SCALE : 3" - 1'-0"



U VALUE 0.052
R VALUE 19.231

2
A-501-0 EXTERIOR WALL TYPE 8B - PLAN VIEW SCALE : 3" - 1'-0"



U VALUE 0.052
R VALUE 19.231

0 2" 4" 6" 8" 1'
SCALE: 3" = 1'-0"

1
A-501-0 EXTERIOR WALL TYPE 5 - PLAN VIEW SCALE : 3" - 1'-0"

GENERAL NOTES

#	Date	Change Description

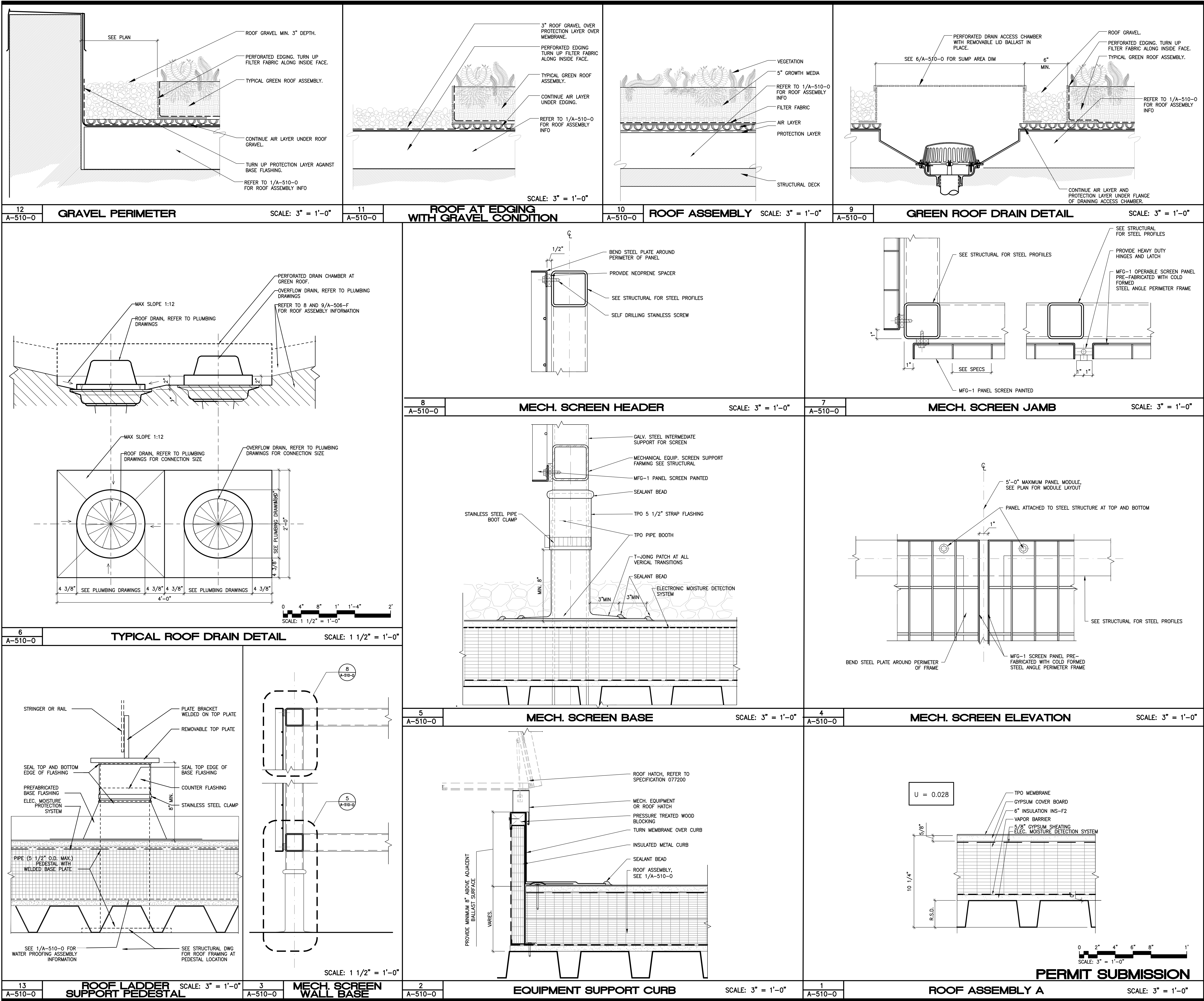
DGS
DESIGN
BUILD
MAINTAIN
SUSTAIN

FEMS FLEET MAINTENANCE FACILITY
BLUE PLAINS - D.C. VILLAGE LANE SW.
WASHINGTON D.C. 20032
FOR THE
GOVERNMENT OF THE DISTRICT
OF COLUMBIA

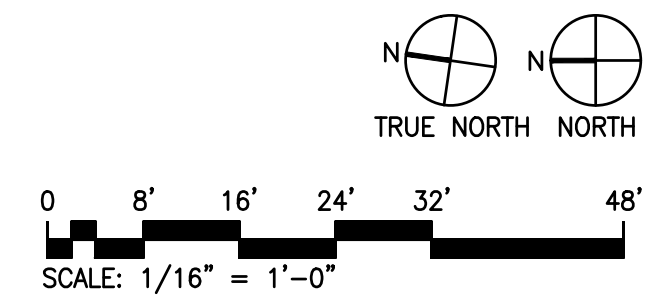
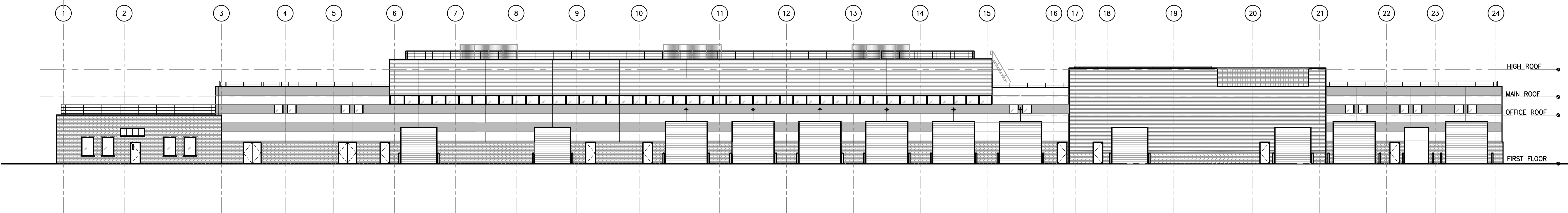
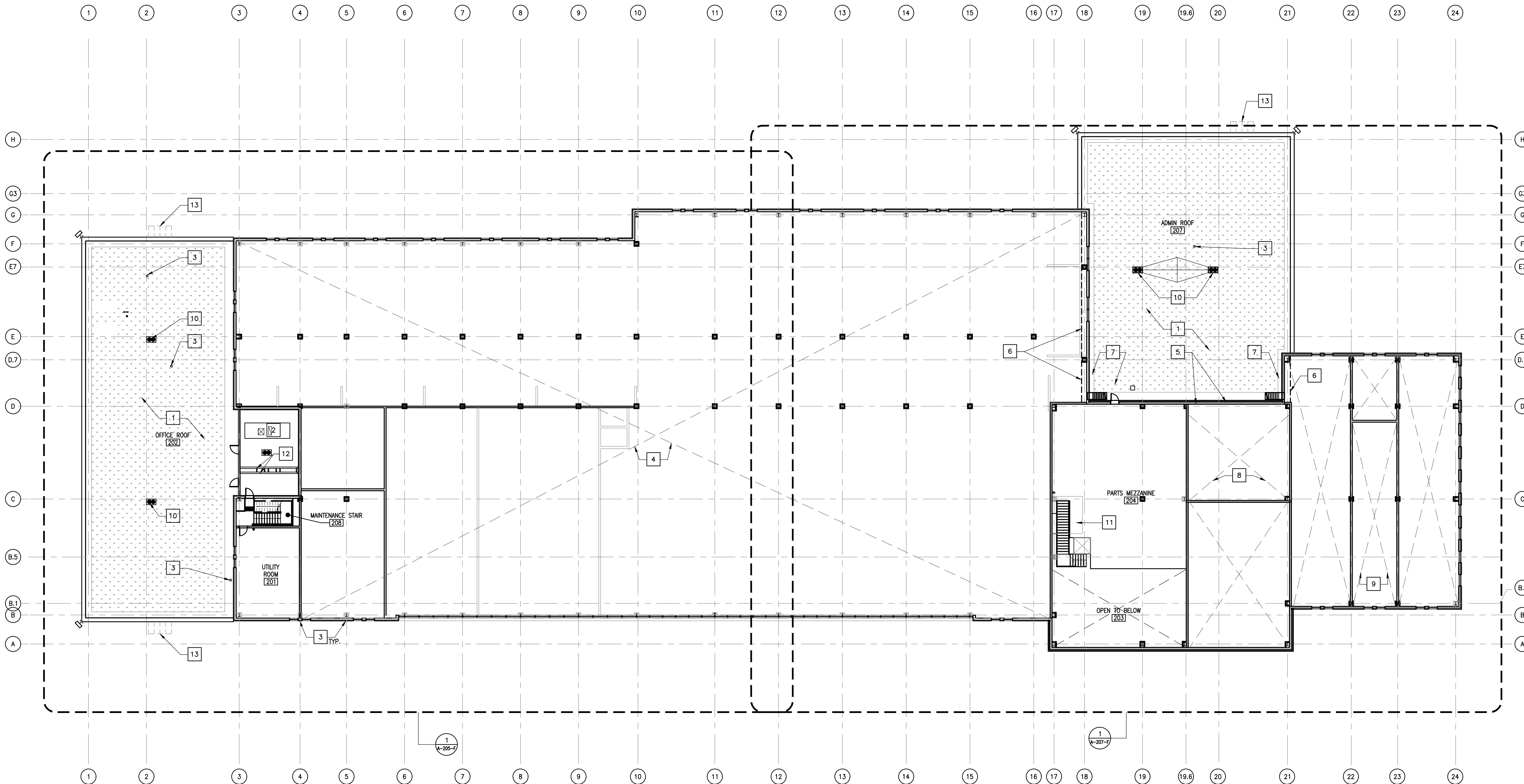
ALPHATEC
PC
ENGINEERS
ARCHITECTS
PLANNERS

1225 8TH STREET NW
WASHINGTON, D.C. 20006
TEL 202/797-5000
FAX 202/797-5003

SUB-CONSULTANT:	SEAL: 
Dwg. Coord.:	Tech. Coord.:
Project NO:	SEE PLOT STAMP
EXTERIOR WALL TYPES	A-501-0
PERMIT SUBMISSION	10/12/2023



GENERAL NOTES		
1. REFER TO G-005 FOR SYSTEM NOMENCLATURE.		
2. REFER TO A-500-0 SERIES FOR WALL TYPES.		
#	Date	Change Description
FEMS FLEET MAINTENANCE FACILITY		
BLUE PLAINS - D.C. VILLAGE LANE SW., WASHINGTON D.C. 20032		
FOR THE GOVERNMENT OF THE DISTRICT OF COLUMBIA		
ALPHATEC PC		
ENGINEERS ARCHITECTS PLANNERS		
1025 18TH STREET N.W. WASHINGTON, D.C. 20036 TEL. 202/797-5000 FAX 202/797-5003		
SUB-CONSULTANT:		SEAL
Dwg. Coord.:		Project NO. SEE PLOT STAMP
Tach. Coord.:		
ROOF DETAILS		A-510-0
PERMIT SUBMISSION		10/12/2023



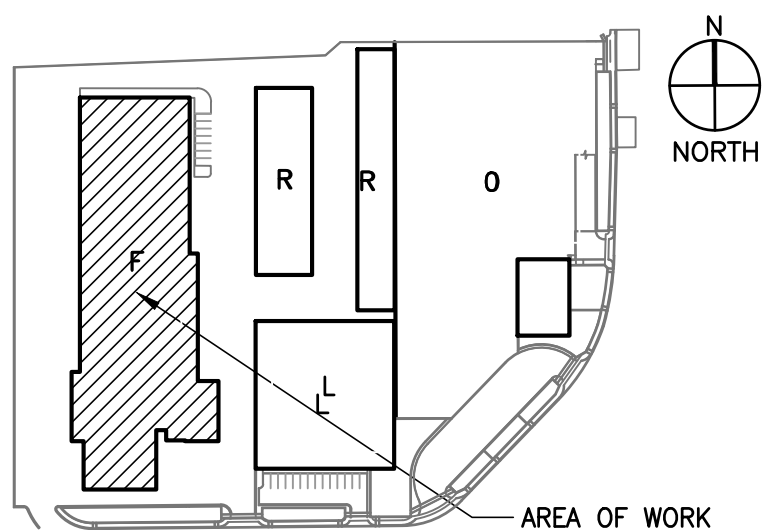
GENERAL NOTES

1. REFER TO G-005 FOR SYSTEM NOMENCLATURE.
2. REFER TO A-200-F SHEETS FOR ENLARGED PLANS AND REFLECTED CEILING PLANS.
3. REFER TO A-300-F SERIES SHEETS FOR ELEVATIONS AND SECTIONS.
4. REFER TO A-400-F SHEETS FOR ENLARGED PLANS.
5. REFER TO A-500-F SERIES SHEETS FOR DETAILS AND PARTITION TYPES.
6. REFER TO A-600-F SERIES SHEETS FOR FINISH SCHEDULE AND PLANS.
7. REFER TO A-700-F SERIES SHEETS FOR FURNITURE SCHEDULE AND PLANS.
8. REFER TO Q-SERIES SHEETS FOR EQUIPMENT.
9. ROOF DECK FOLLOWS INCREMENTALLY SLOPING BEAMS BY GRAVITY FORCED DEFLECTION. TOP SURFACE OF ROOF DECK IS CONCAVED PAN WITH NO VERTEX.

KEYNOTES

- 1 GREEN ROOF SYSTEM, REFER TO DETAIL 2/A-511-F.
- 2 MECHANICAL EQUIPMENT PAD, REFER TO MECHANICAL DRAWINGS AND 8/A-511-F.
- 3 VENT THROUGH ROOF, REFER TO PLUMBING DRAWINGS.
- 4 UPPER PART OF MAINTENANCE BAYS, OPEN TO BELOW.
- 5 GRAVEL WALKWAY, REFER TO DETAIL 10/A-511-F.
- 6 LINE OF BEAM BELOW, REFER TO STRUCTURAL DRAWINGS.
- 7 UTILITY LADDER, REFER TO 3/A-515-F, 5 AND 6 A-514-F.
- 8 UPPER PART OF APPLIANCE TOOLING REPAIR, OPEN TO BELOW.
- 9 UPPER PART OF CHASSIS WASH EQUIPMENT, OPEN TO BELOW.
- 10 ROOF DRAIN, R.M.D. AND DETAIL 9/A-504-F.
- 11 PARTS MANAGER OFFICE BELOW, REFER TO A-203-F.
- 12 STEEL DUNNAGE FOR MECHANICAL EQUIPMENT SUPPORT, REFER TO STRUCTURAL DRAWINGS AND SHEET A-404-F FOR SIMILAR DETAILS.
- 13 ENTRANCE CANOPY, REFER TO ELEVATIONS AND SHEET A-514-F.

KEYPLAN



#	Date	Change Description

DGS BUILD MAINTAIN SUSTAIN
DESIGN-BUILD-MAINTAIN-SUSTAIN

FEMS FLEET MAINTENANCE FACILITY
BLUE PLAINS - D.C. VILLAGE LANE SW, WASHINGTON D.C. 20032
FOR THE
GOVERNMENT OF THE DISTRICT OF COLUMBIA

ALPHATEC PC
ENGINEERS ARCHITECTS PLANNERS

1626 18TH STREET N.W.
WASHINGTON, D.C. 20036
TEL: 202/797-8000
FAX: 202/797-5003

SUB-CONSULTANT:

SEA:

Dwg. Coord.:	Tech. Coord.:	Project NO.:	SEE PLOT STAMP
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FEMS FLEET MAINTENANCE FACILITY - MEZZANINE LEVEL

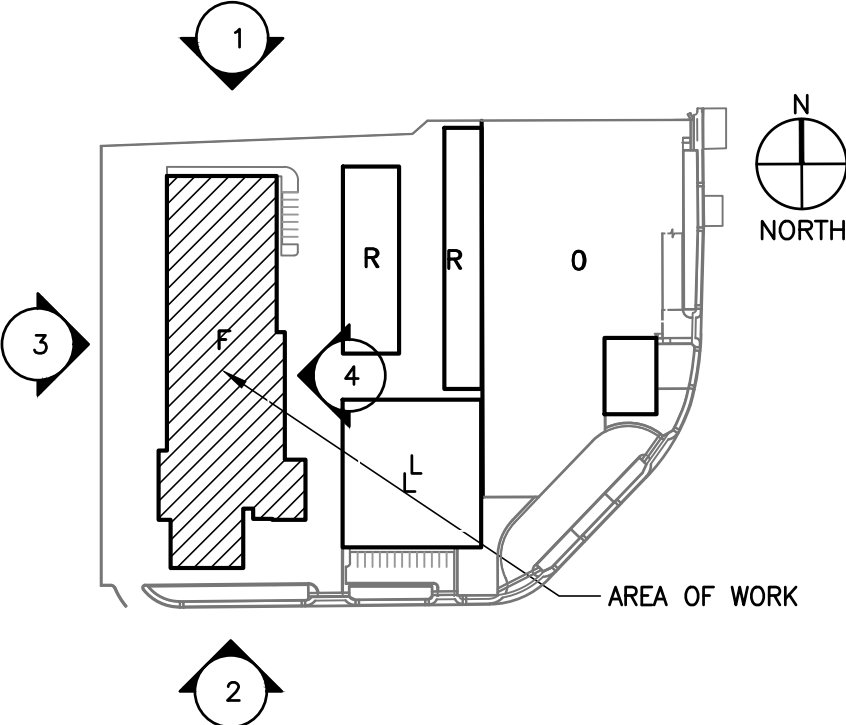
A-102-F

PERMIT SUBMISSION	10/12/2023
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GENERAL NOTES

1. REFER TO A-300-F SERIES SHEETS FOR DETAILED ELEVATION INFORMATION. KEY ELEVATIONS ARE FOR REFERENCE ONLY.
2. REFER TO ELECTRICAL SHEETS FOR LIGHTNING PROTECTION.
3. REFER TO CIVIL DRAWINGS FOR GRADE LEVELS. GRADE LEVELS ARE SHOWN FOR REFERENCE ONLY.
4. ALL EXTERIOR WINDOWS TO BE GLAZED WITH GL-1 AND ALL ENTRANCE DOORS AND SIDE LITES TO BE GLAZED WITH GL-1.
5. OPAQUE AND RUBBER DOORS U-0.40.

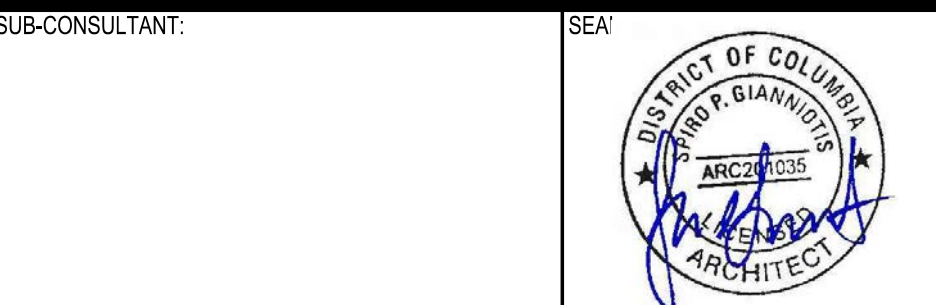
KEYPLAN



#	Date	Change Description

FEMS FLEET MAINTENANCE FACILITY
BLUE PLAINS - D.C. VILLAGE LANE SW, WASHINGTON D.C. 20032
FOR THE GOVERNMENT OF THE DISTRICT OF COLUMBIA

ALPHATEC PC
ENGINEERS ARCHITECTS PLANNERS
1626 18TH STREET N.W.
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Dwg. Coord.: Tech. Coord.: Project NO.: SEE PLOT STAMP

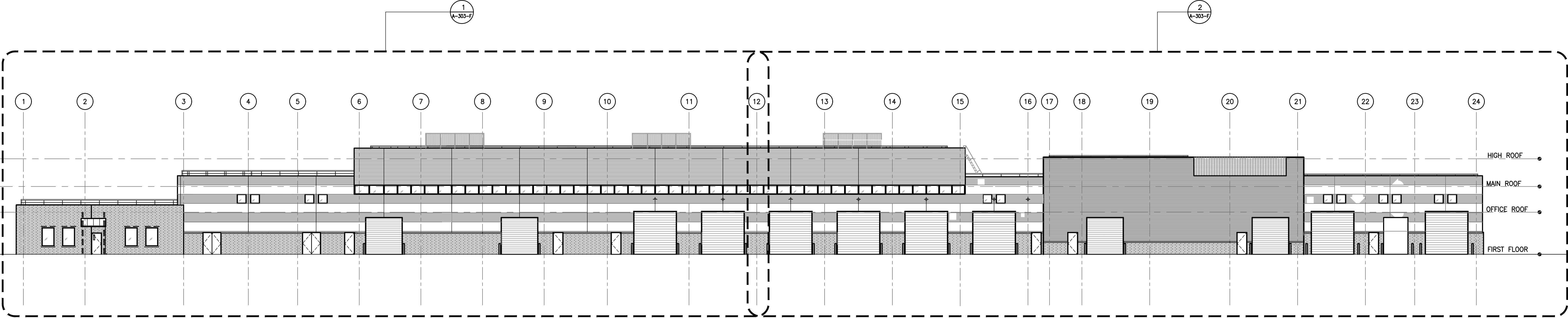
FEMS FLEET MAINTENANCE MAINTENANCE - KEY ELEVATIONS

A-104-F

PERMIT SUBMISSION 10/12/2023

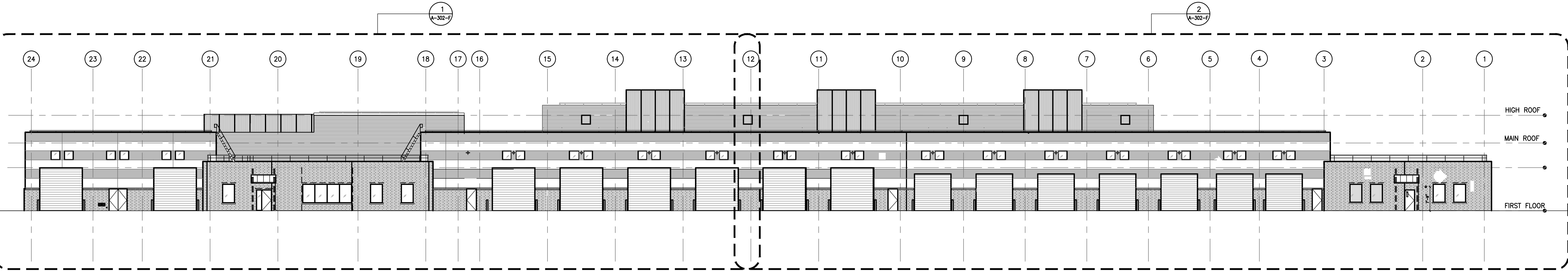
CASE NO. 21198 EXHIBIT NO. 36

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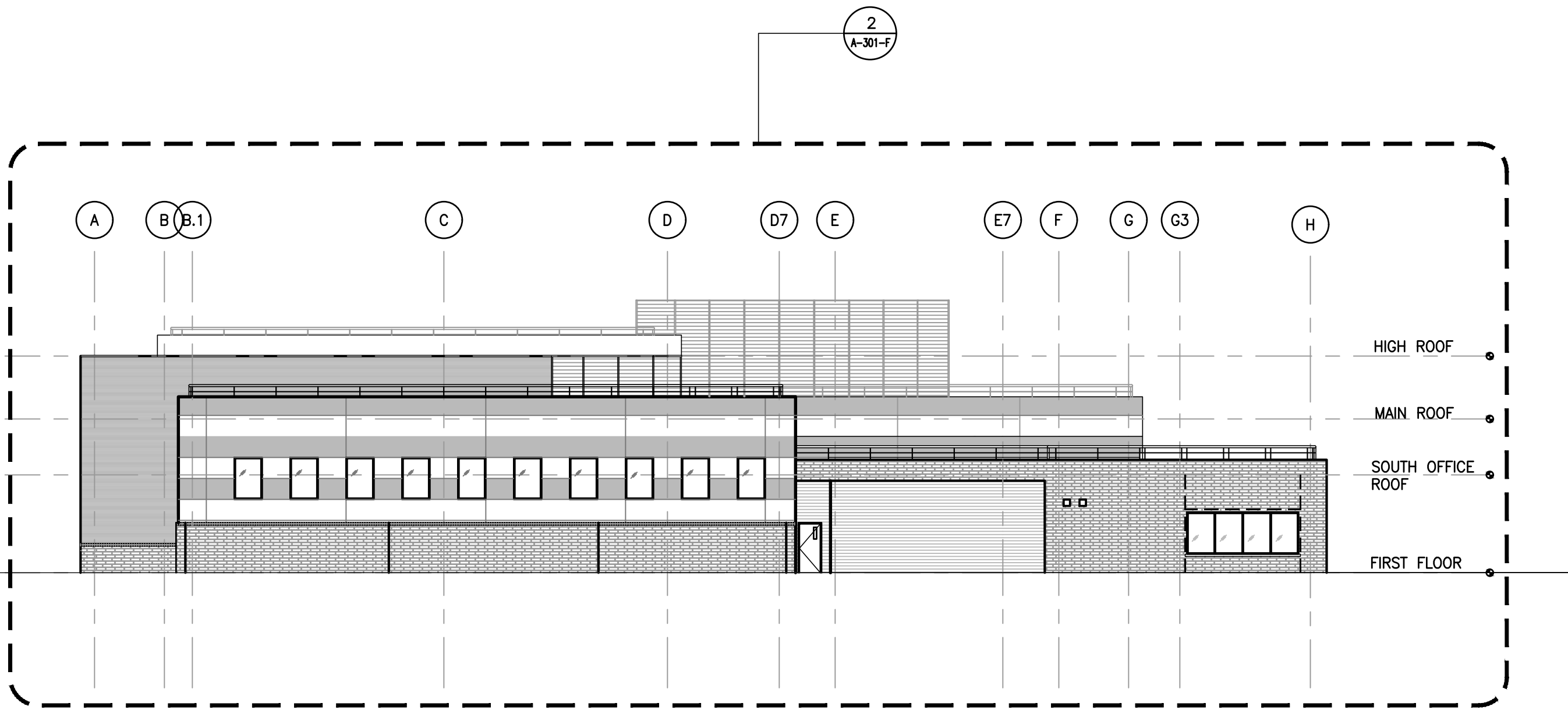
WEST ELEVATION - FEMS FLEET MAINTENANCE FACILITY

SCALE: 1/16" = 1'-0"



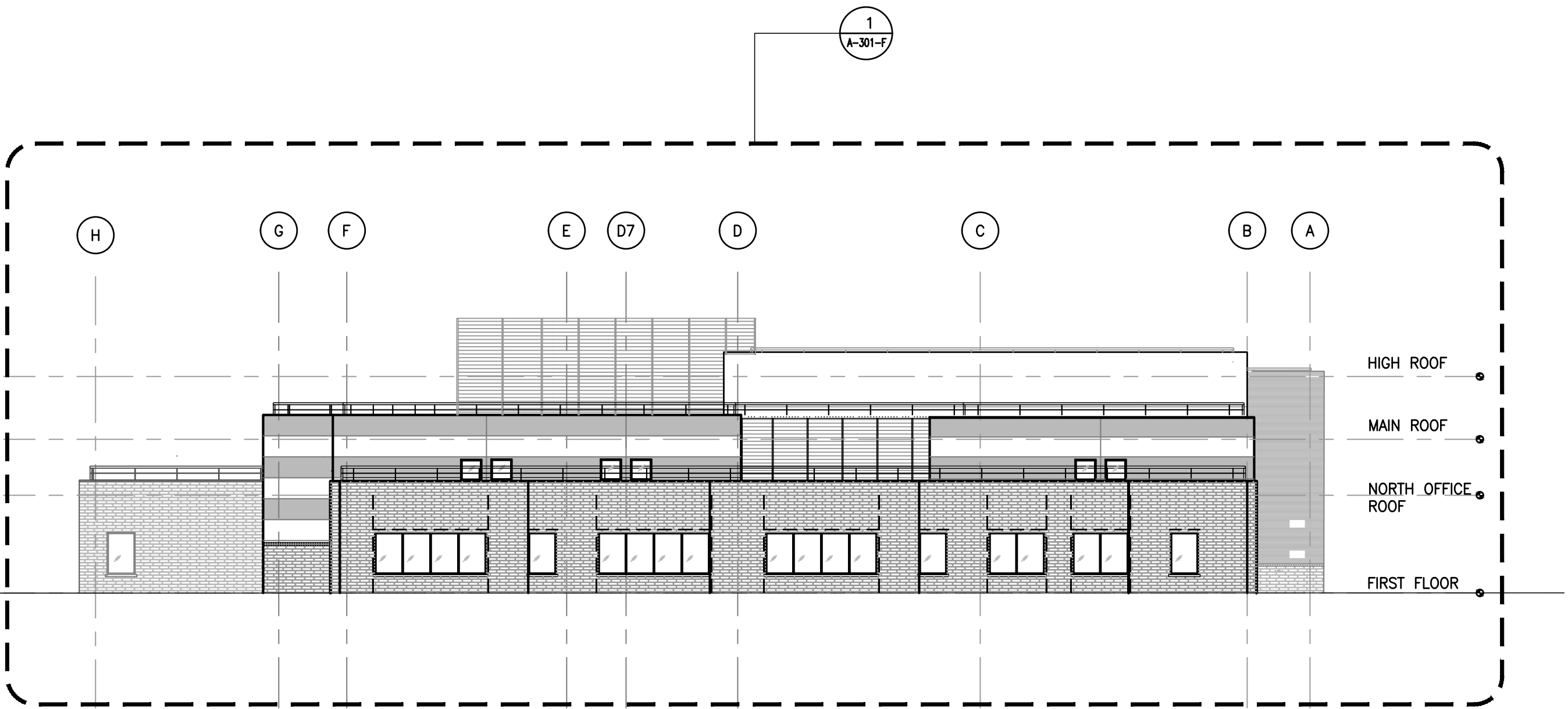
EAST ELEVATION - FEMS FLEET MAINTENANCE FACILITY

SCALE: 1/16" = 1'-0"



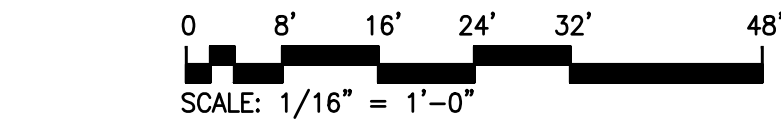
SOUTH ELEVATION - FEMS FLEET MAINTENANCE FACILITY

SCALE: 1/16" = 1'-0"

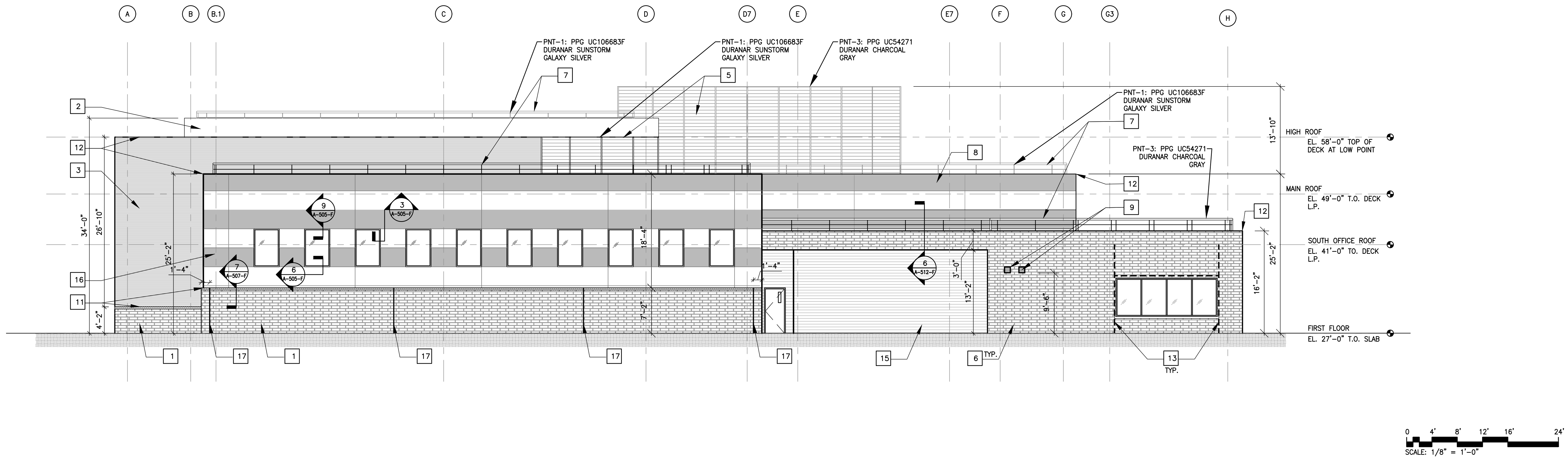


NORTH ELEVATION - FEMS FLEET MAINTENANCE FACILITY

SCALE: 1/16" = 1'-0"

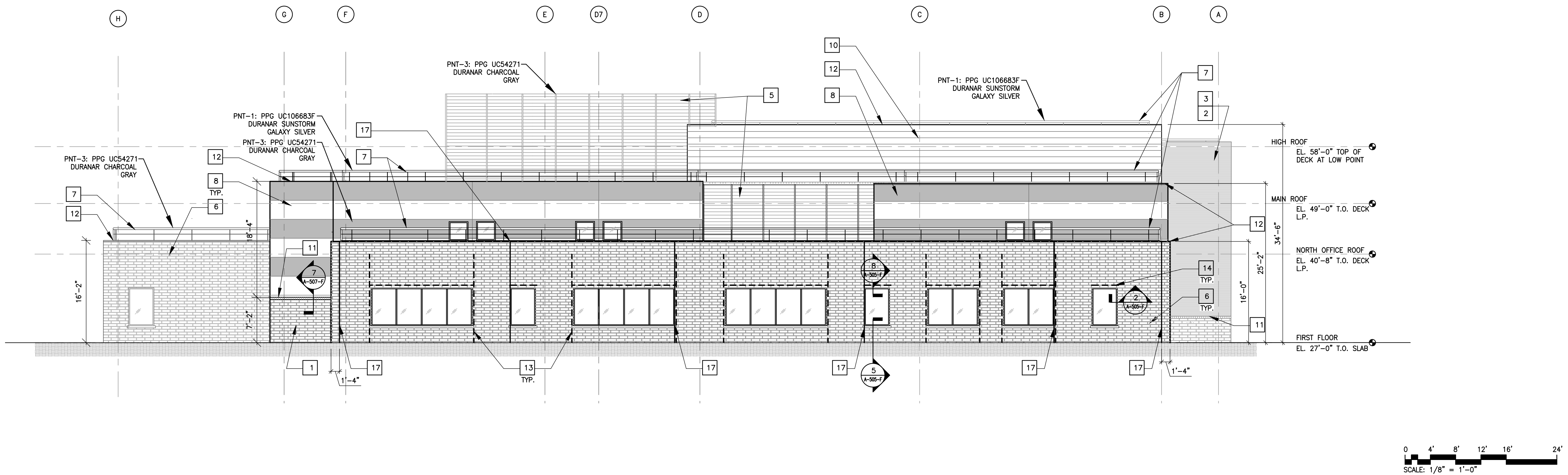


PERMIT SUBMISSION



SOUTH ELEVATION - FEMS FLEET MAINTENANCE FACILITY

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



NORTH ELEVATION - FEMS FLEET MAINTENANCE FACILITY

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

GENERAL NOTES

1. REFER TO E-119 AND E-120 FOR LIGHTNING PROTECTION.
2. SEE SHEET G-005 FOR SYSTEM NOMENCLATURE.
3. WINDOW DIMENSIONS ARE TYPICAL FOR EACH WINDOW TYPE, REFER TO SHEET A-512-F.
4. REFER TO CIVIL DRAWINGS FOR GRADE LEVELS, GRADE LEVELS ARE FOR REFERENCE ONLY.
5. SLOPE GRADE AWAY FROM BUILDING.
6. ALL DATUM ELEVATIONS ARE IN REFERENCE TO THE TOP OF DECKING FOR ROOF LEVELS AND TOP OF STRUCTURAL SLAB FOR INDIVIDUAL FLOORS.
4. ALL EXTERIOR WINDOWS TO BE GLAZED ITH GL-1 AND ALL ENTRANCE DOORS AND SIDE LITES TO BE GLAZED WITH GL-1.
5. OPAQUE AND RUBBER DOORS U-0.40.
6. REFER TO 1/A-501-F FOR PANEL MODULE DIMENSIONS.

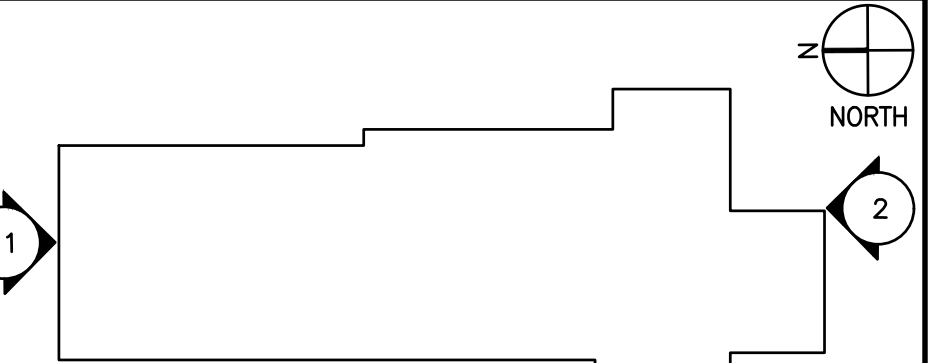
KEY NOTES

- 1 WALL TYPE 1, REFER TO DETAIL 1/A-504-F.
- 2 BUILDING BEYOND, REFER TO PLANS.
- 3 WALL TYPE 2A, REFER TO DETAIL 2/A-504-F
- 4 NOT USED.
- 5 MECHANICAL EQUIPMENT SCREEN, REFER TO SHEETS A-404-F AND A-511-F.
- 6 WALL TYPE 5, REFER TO DETAIL 4/A-504-F
- 7 GALVANIZED STEEL RAILING, REFER TO PARAPET DETAILS ON SHEET A-506-F
- 8 WALL TYPE 3, REFER TO DETAIL 3/A-504-F
- 9 12x12 LOUVER, REFER TO MECHANICAL DRAWINGS.
- 10 WALL TYPE 7, REFER TO DETAIL 6/A-504-F.
- 11 TOP OF BRICK
- 12 TOP OF COPING
- 13 PROVIDE STEEL SUPPORT FRAME AT WINDOW OPENING WIDTH GREATER THAN 6'-0", SEE STRUCTURAL DRAWINGS.
- 14 PROVIDE GALVANIZED STEEL LOOSE LINTEL AT WINDOW OPENING WIDTH LESS THAN 6'-0", SEE STRUCTURAL DRAWINGS.
- 15 WALL TYPE 8A, REFER TO DETAIL 7/A-504-F
- 16 WALL TYPE 6, REFER TO DETAIL 5/A-504-F
- 17 MASONRY CONTROL JOINT SPACE A MAXIMUM OF 30'-0" O.C., REFER TO DETAIL 1/A-512-F

LEGEND

- MWP-5A - PNT-1: PPG UC106683F DURANAR SUNSTORM GALAXY SILVER
- MWP-5B - PNT-2: PPG UC55026 DURANAR BRIGHT WHITE

KEY PLAN



#	Date	Change Description

DGS BUILD MAINTAIN SUSTAIN

FEMS FLEET MAINTENANCE FACILITY

BLUE PLAINS - D.C. VILLAGE LANE SW, WASHINGTON D.C. 20032

FOR THE GOVERNMENT OF THE DISTRICT OF COLUMBIA

ALPHATEC PC

ENGINEERS ARCHITECTS PLANNERS

1626 18TH STREET N.W. WASHINGTON, D.C. 20036

TEL 202/797-8000 FAX 202/797-8000

SUB-CONSULTANT:

SEA:

DISTRICT OF COLUMBIA ARCHITECT

Dwg. Coord.	Tech. Coord.	Project NO.	SEE PLOT STAMP

ELEVATIONS - FEMS FLEET MAINTENANCE FACILITY

PERMIT SUBMISSION

10/12/2023

GENERAL NOTES

1. REFER TO E-119 AND E-120 FOR LIGHTNING PROTECTION.
2. SEE SHEET G-005 FOR SYSTEM NOMENCLATURE.
3. WINDOW DIMENSIONS ARE TYPICAL FOR EACH WINDOW TYPE., REFER TO SHEET A-512-F.
4. REFER TO CIVIL DRAWINGS FOR GRADE LEVELS, GRADE LEVELS ARE FOR REFERENCE ONLY.
5. SLOPE GRADE AWAY FROM BUILDING.
6. ALL DATUM ELEVATIONS ARE IN REFERENCE TO THE TOP OF DECKING FOR ROOF LEVELS AND TOP OF STRUCTURAL SLAB FOR INDIVIDUAL FLOORS.
4. ALL EXTERIOR WINDOWS TO BE GLAZED ITH GL-1 AND ALL ENTRANCE DOORS AND SIDE LITES TO BE GLAZED WITH GL-1.
5. OPAQUE AND RUBBER DOORS U-0.40.
6. REFER TO 1/A-501-F FOR PANEL MODULE INFORMATION

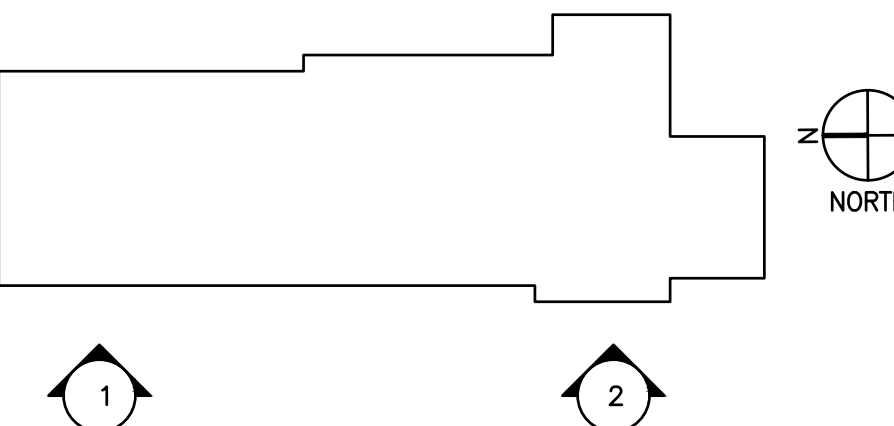
KEY NOTES

- | | |
|----|---|
| 1 | WALL TYPE 1, REFER TO DETAIL 1/A-504-F |
| 2 | ROLL-UP DOOR, REFER TO DOOR SCHEDULE. |
| 3 | WALL TYPE 2A, REFER TO DETAIL 2/A-504-F |
| 4 | LOUVERED WALL SYSTEM, REFER TO 5/A-507-F. |
| 5 | LOUVERED MECHANICAL SCREEN, REFER TO SHEET A-105-F. |
| 6 | WALL TYPE 3, REFER TO DETAIL 3/A-504-F |
| 7 | WALL TYPE 5, REFER TO DETAIL 4/A-504-F |
| 8 | PUNCHED CLERESTORY WINDOWS, REFER TO ELEVATIONS AND 5/A-512-F. |
| 9 | BOLLARD, REFER TO 4/A-514-F. |
| 10 | VEHICLE FUME EXHAUST, R.M.D. |
| 11 | GALVANIZED STEEL RAILING, REFER TO STRUCTURAL DRAWINGS AND SHEET A-506-F. |
| 12 | RIBBON CLERESTORY WINDOWS, REFER A-205-F, A-207-F, AND A-503-F. |
| 13 | TOP OF BRICK |
| 14 | TOP OF COPING |
| 15 | SHIP LADDER, REFER TO 3/A-515-F. |
| 16 | NOT USED |
| 17 | PROVIDE GALVANIZED STEEL LOOSE LINTEL AT WINDOW OPENING WIDTH LESS THAN 6'-0", SEE STRUCTURAL DRAWINGS. |
| 18 | WALL TYPE 6, REFER TO DETAIL 5/A-504-F |
| 19 | WALL TYPE 7, REFER TO DETAIL 6/A-504-F |
| 20 | ENTRANCE CANOPY, REFER TO SHEET A-514-F. |
| 21 | MASONRY CONTROL JOINT SPACE A MAXIMUM OF 30'-0" O.C., REFER TO DETAIL 4/A-512-F |

LEGEND

- | | |
|--|--|
| | MWP-5A - PNT-1: PPG UC106683F DURANAR SUNSTORM GALAXY SILVER |
| | MWP-5B - PNT-2: PPG UC55026 DURANAR BRIGHT WHITE |

KEY PLAN



#	Date	Change Description

DGS BUILD MAINTAIN SUSTAIN
DESIGN GROUPS

FEMS FLEET MAINTENANCE FACILITY
BLUE PLAINS, D.C. VILLAGE LANE SW, WASHINGTON D.C. 20032
FOR THE GOVERNMENT OF THE DISTRICT OF COLUMBIA

ALPHATEC PC
ENGINEERS ARCHITECTS PLANNERS

1626 18TH STREET N.W.
WASHINGTON, D.C. 20036
TEL 202/797-8000
FAX 202/797-8003

SUB-CONSULTANT:

SEA:

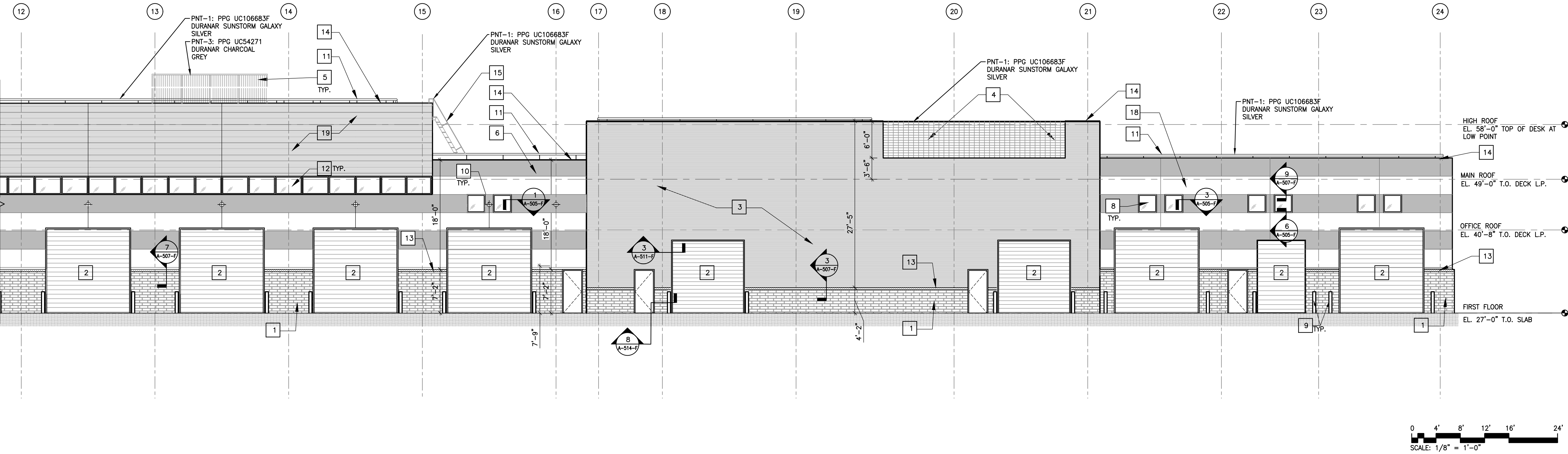
Dwg. Coord.:	Tech. Coord.:	Project NO.:	SEE PLOT STAMP
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ELEVATIONS - FEMS FLEET MAINTENANCE FACILITY

PERMIT SUBMISSION

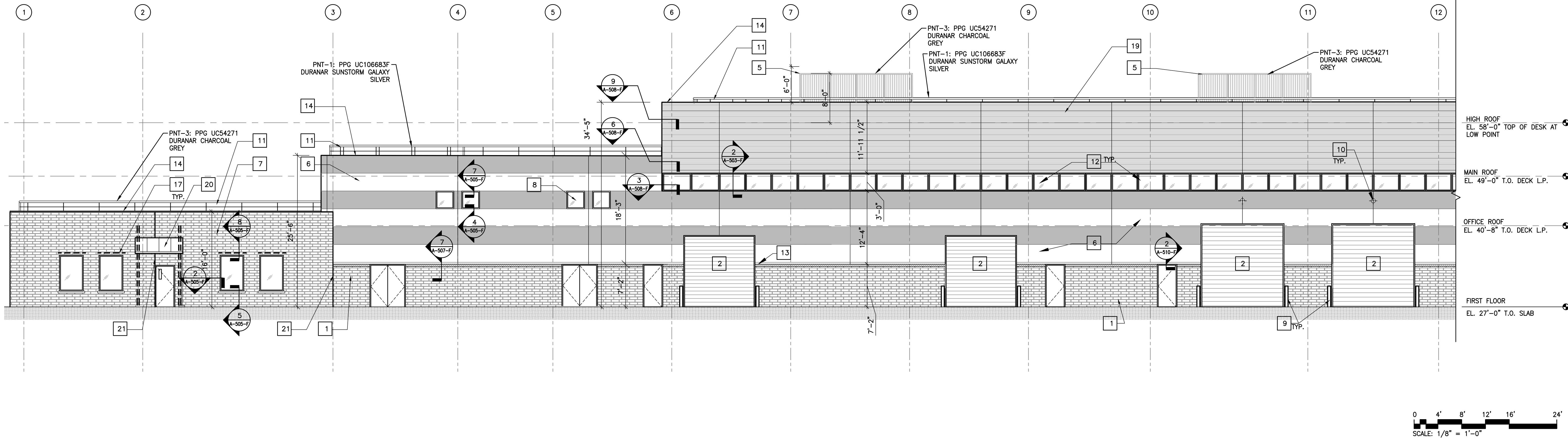
10/12/2023

A-303-F



WEST ELEVATION - FEMS FLEET MAINTENANCE FACILITY

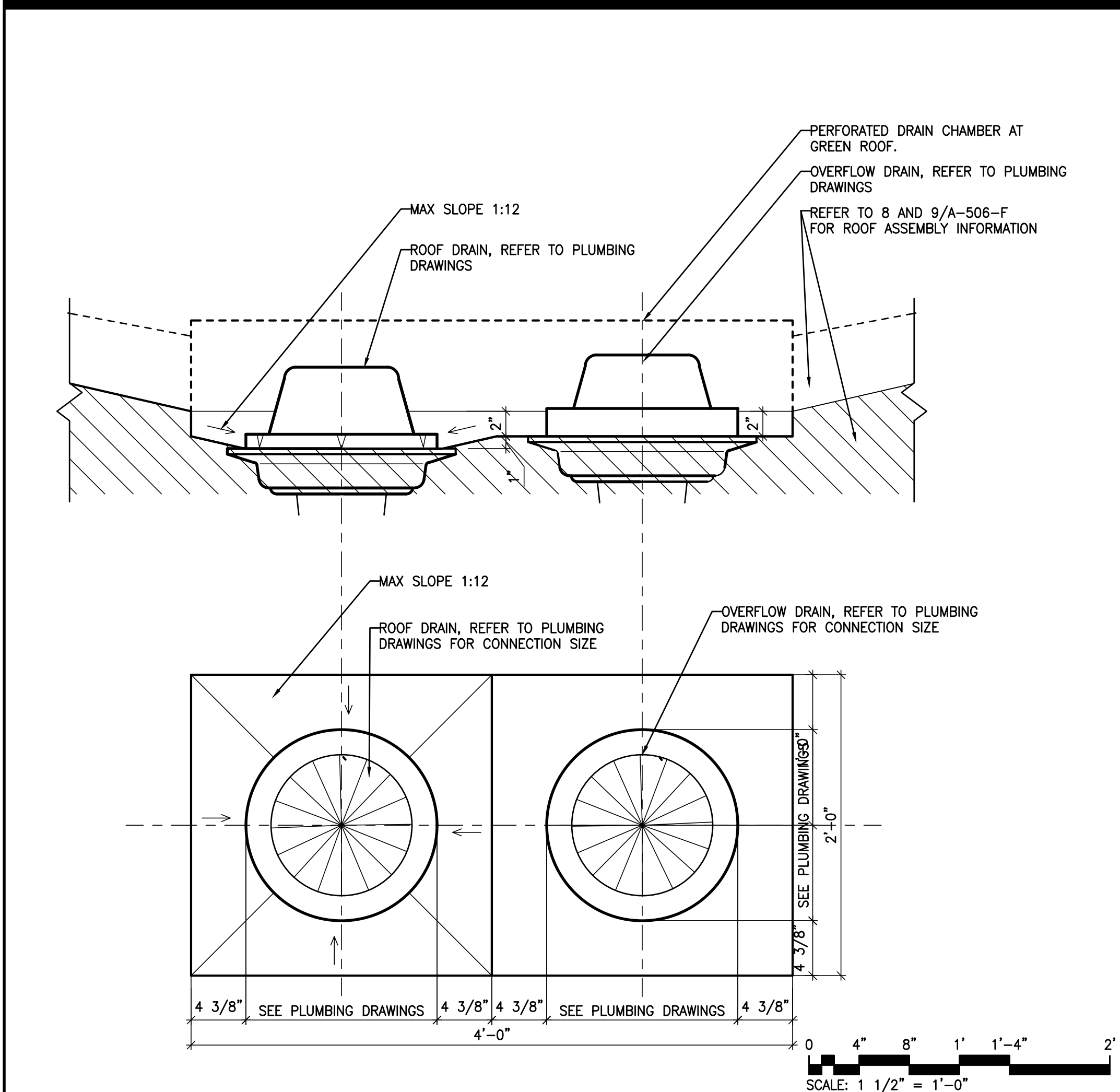
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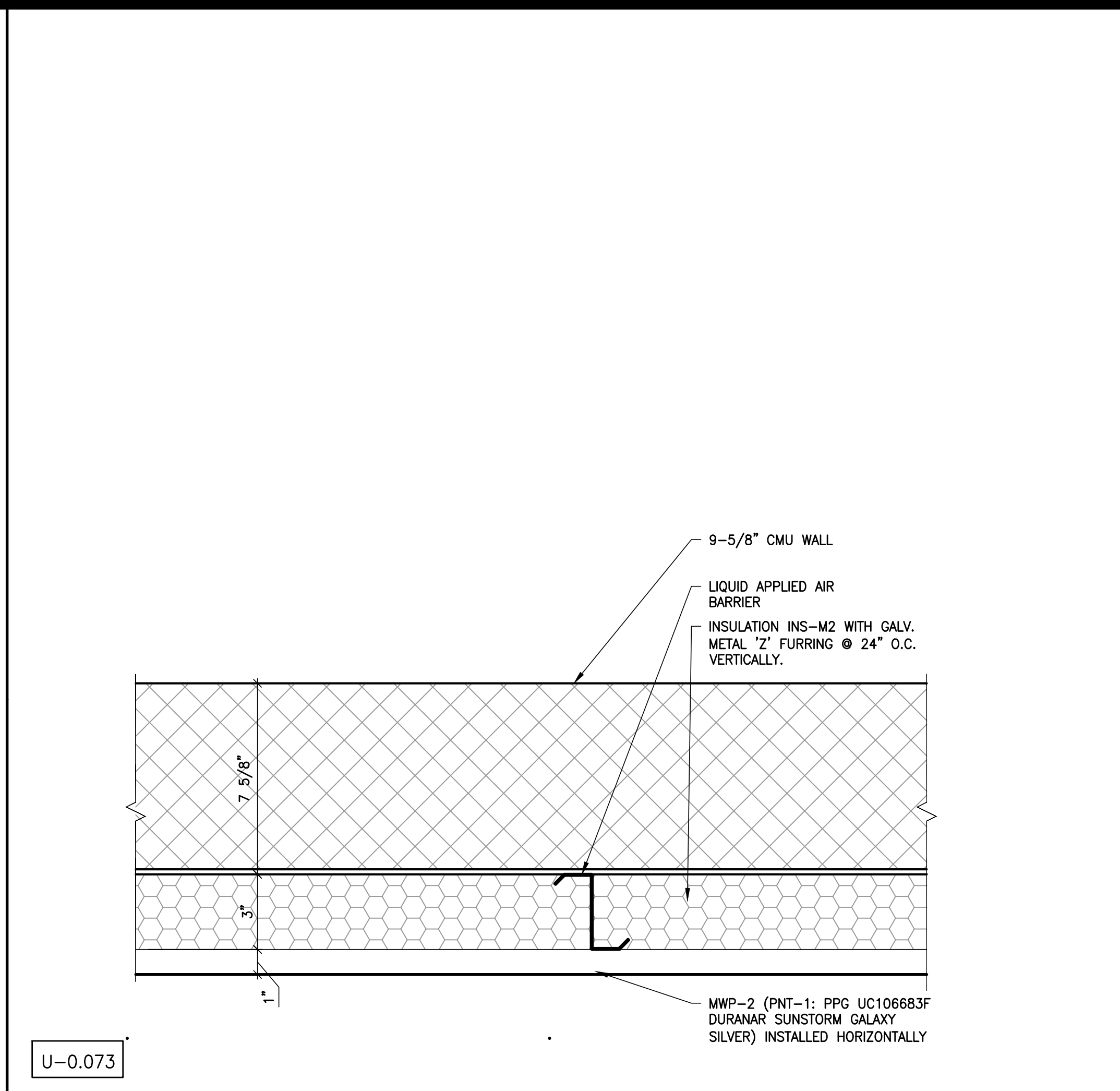
WEST ELEVATION - FEMS FLEET MAINTENANCE FACILITY

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

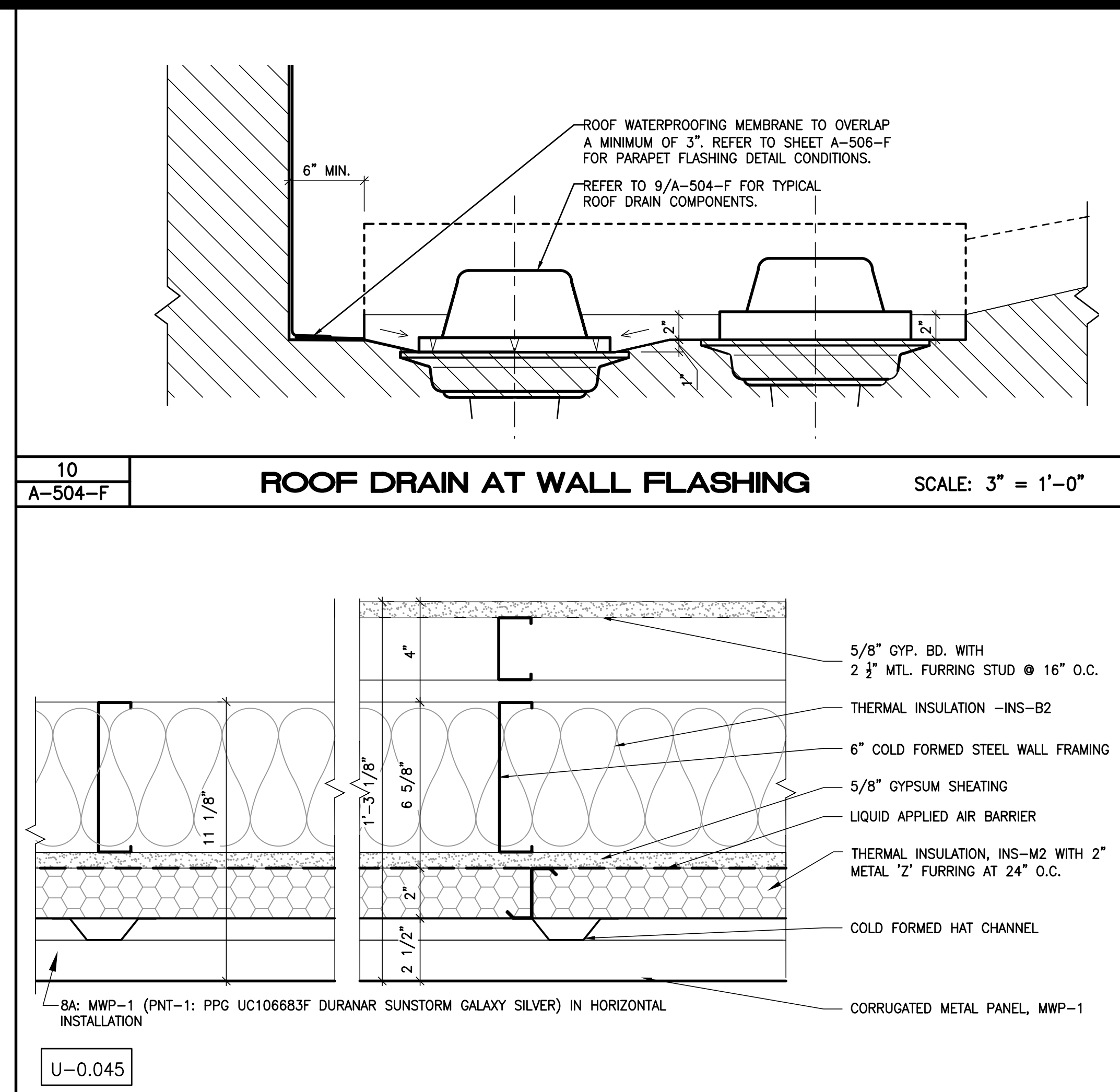
PERMIT SUBMISSION



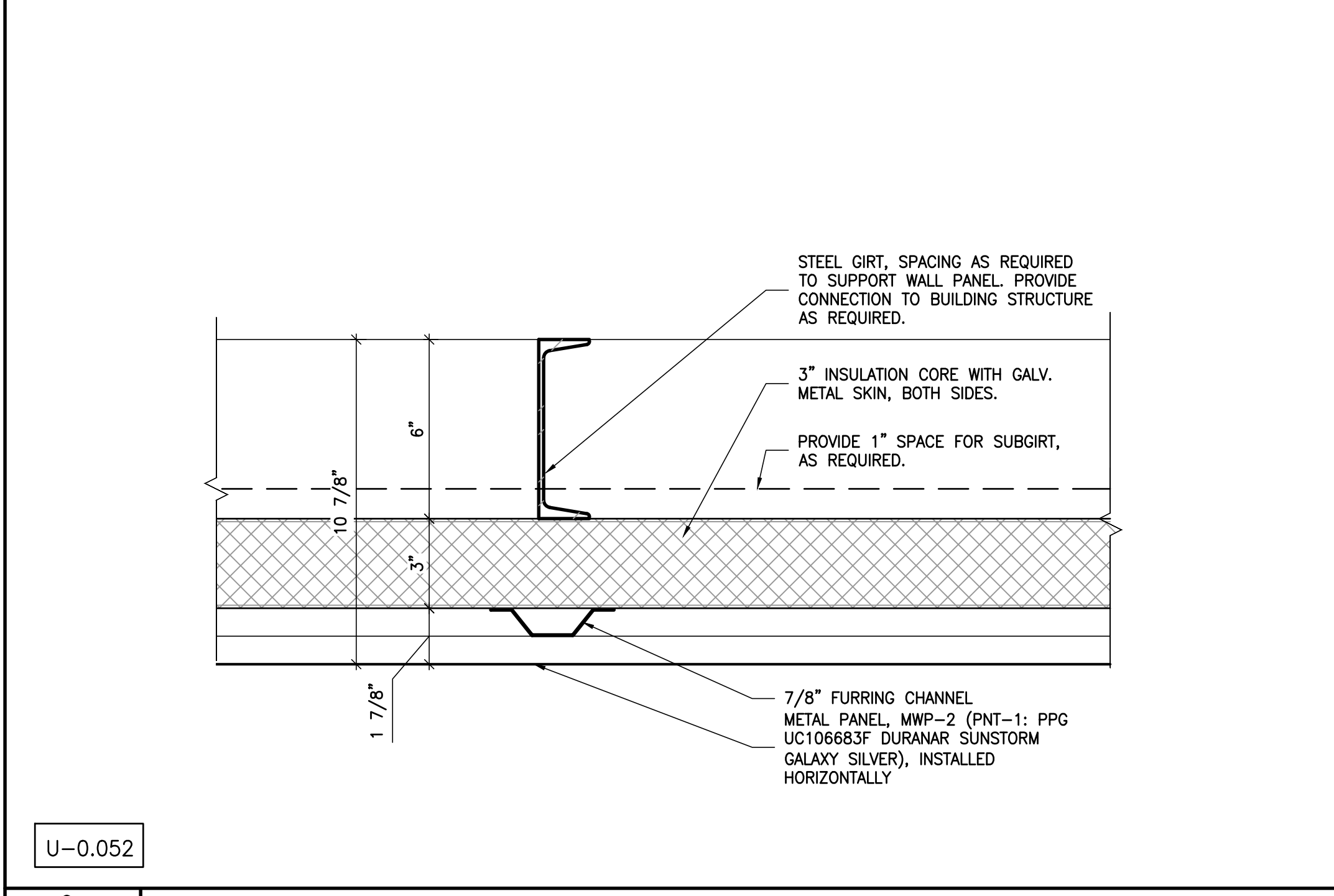
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A-504-F
TYPICAL ROOF DRAIN DETAIL
SCALE: 1-1/2" = 1'-0"



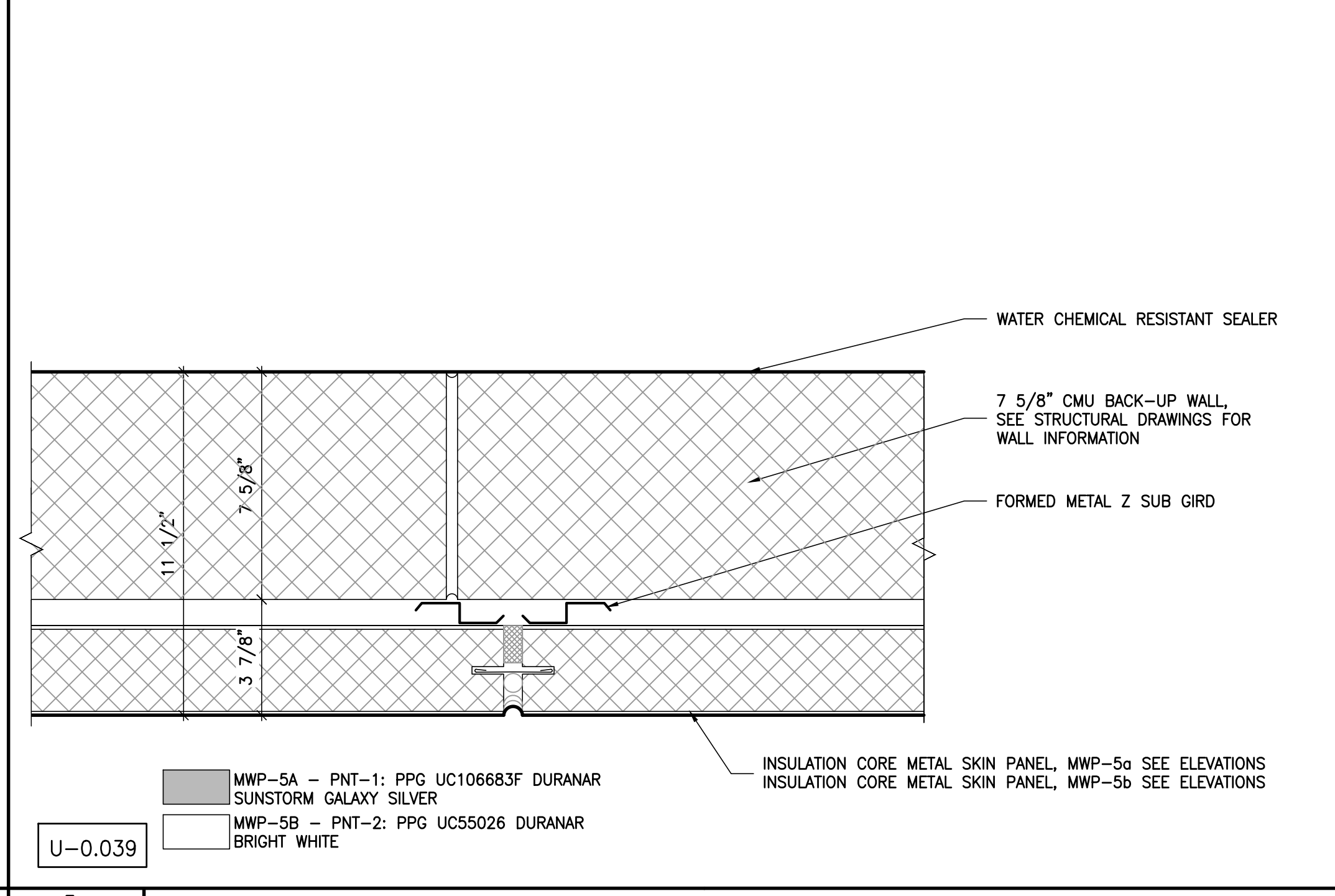
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A-504-F
EXTERIOR WALL TYPE 10 - PLAN VIEW
SCALE: 3" = 1'-0"



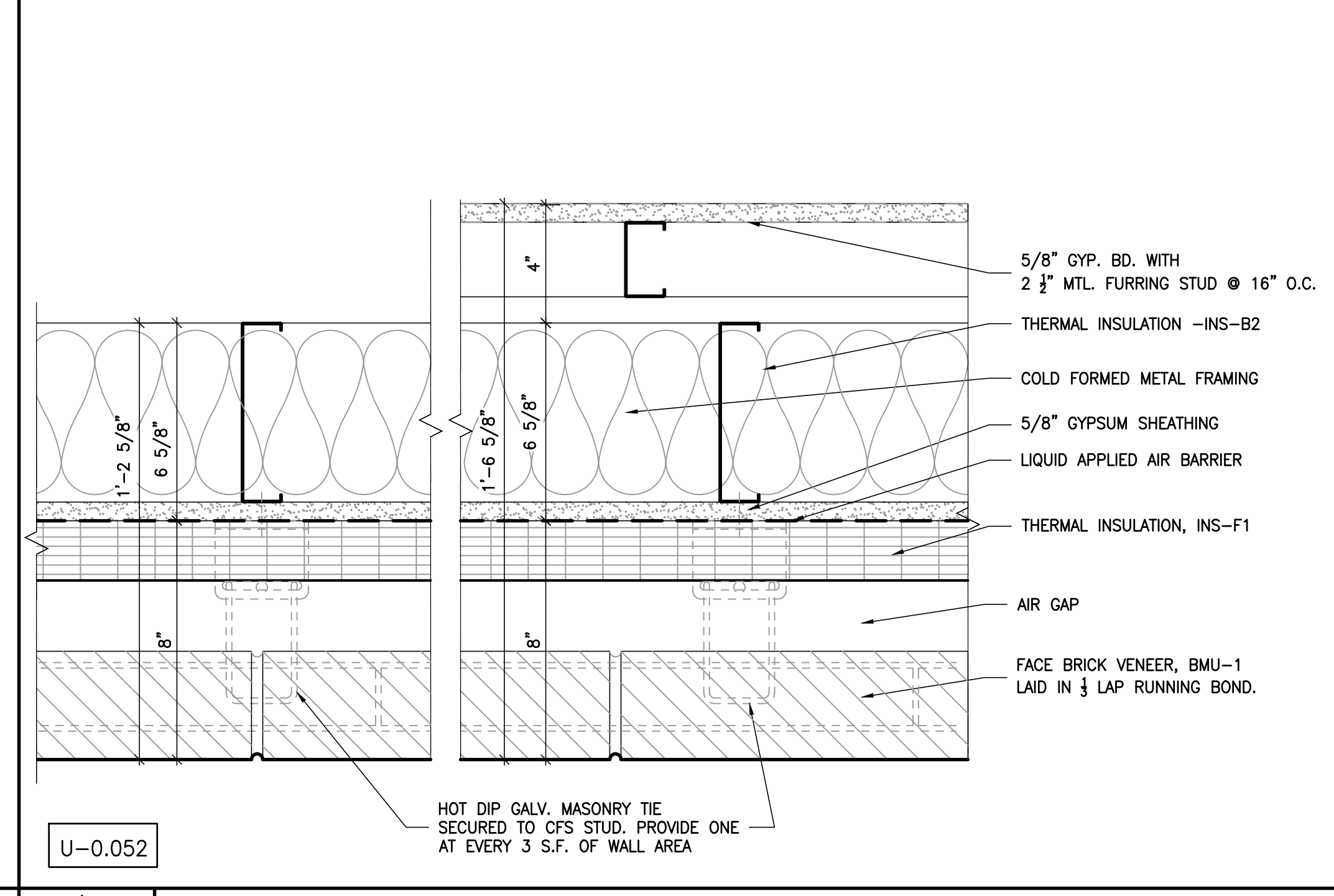
10
A-504-F
ROOF DRAIN AT WALL FLASHING
SCALE: 3" = 1'-0"



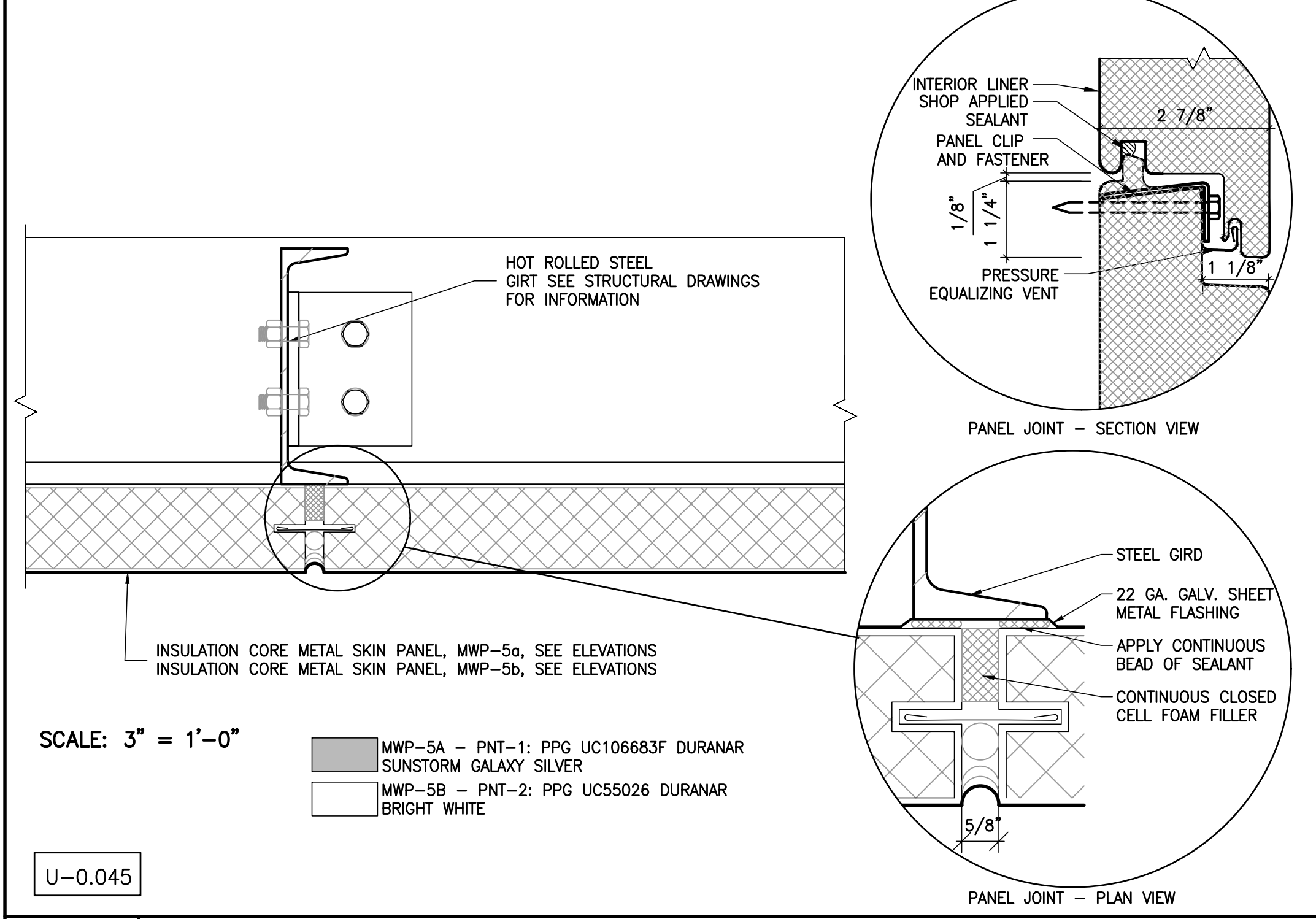
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A-504-F
EXTERIOR WALL TYPE 7 - PLAN VIEW
SCALE: 3" = 1'-0"



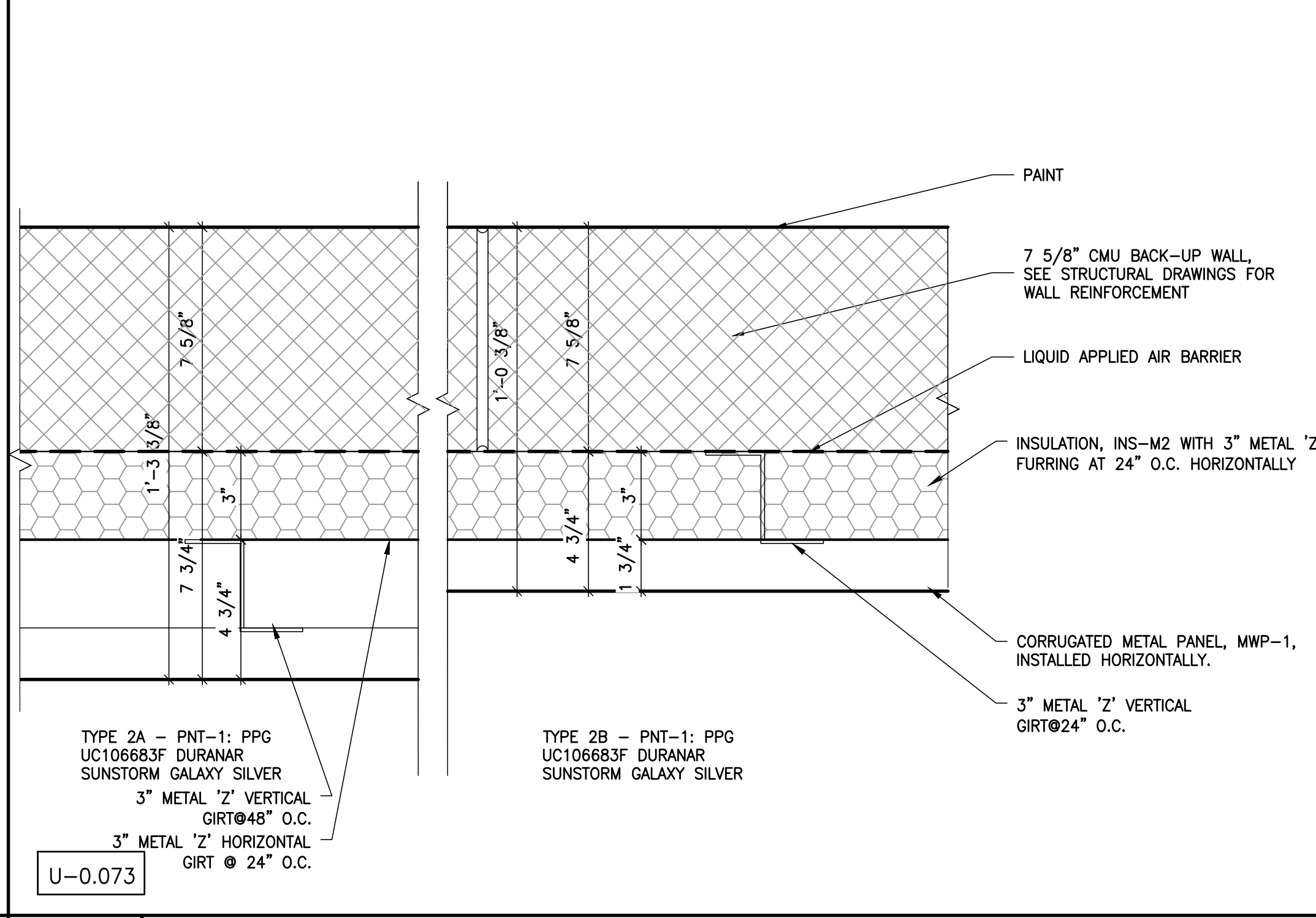
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A-504-F
EXTERIOR WALL TYPE 6 - PLAN VIEW
SCALE: 3" = 1'-0"



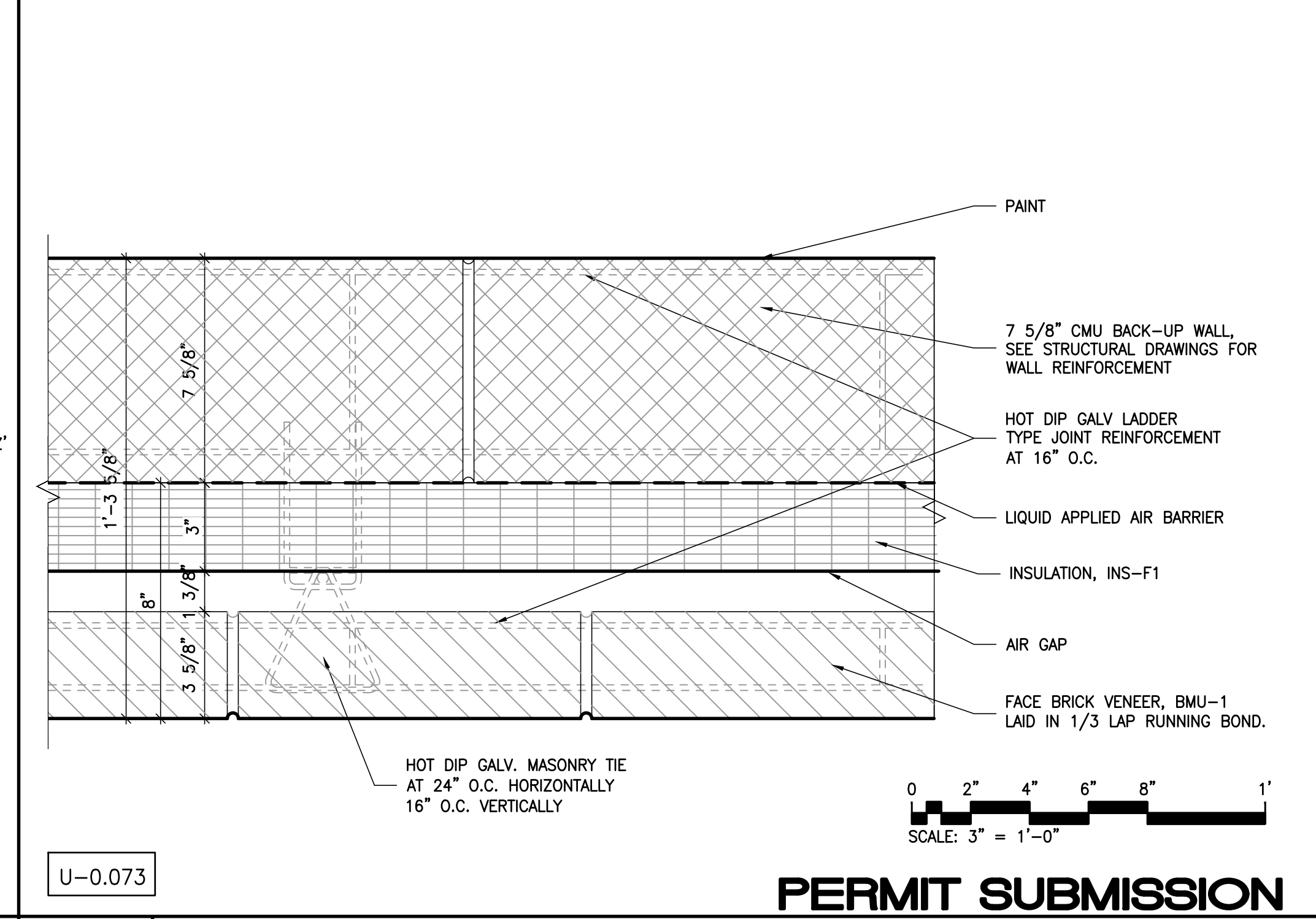
7
A-504-F
EXTERIOR WALL TYPE 8 - PLAN VIEW
SCALE: 3" = 1'-0"



3
A-504-F
EXTERIOR WALL TYPE 3 - PLAN VIEW
SCALE: 6" = 1'-0"



2
A-504-F
EXTERIOR WALL TYPE 2 - PLAN VIEW
SCALE: 3" = 1'-0"



1
A-504-F
EXTERIOR WALL TYPE 1 - PLAN VIEW
SCALE: 3" = 1'-0"

GENERAL NOTES

KEY NOTES

#	Date	Change Description

DGS BUILD MAINTAIN SUSTAIN
FEMS FLEET MAINTENANCE FACILITY
BLUE PLAINS, D.C. VILLAGE LANE SW, WASHINGTON D.C. 20032
FOR THE GOVERNMENT OF THE DISTRICT OF COLUMBIA

ALPHATEC PC
ENGINEERS ARCHITECTS PLANNERS
1626 18TH STREET N.W. WASHINGTON, D.C. 20036
TEL 202/797-8000 FAX 202/797-9000

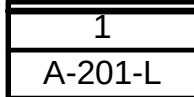
PERMIT SUBMISSION
10/12/2023
CASE NO. 21139
EXHIBIT NO. 40



1. REFER TO ROOF PLANS AND ENLARGED ROOF PLANS FOR GREEN ROOF, GRAVEL PERIMETER, AND GRAVEL WALKWAY LOCATIONS.



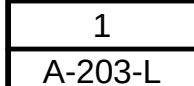
ROOF ASSEMBLY R-VALUE: 34.8 MIN.

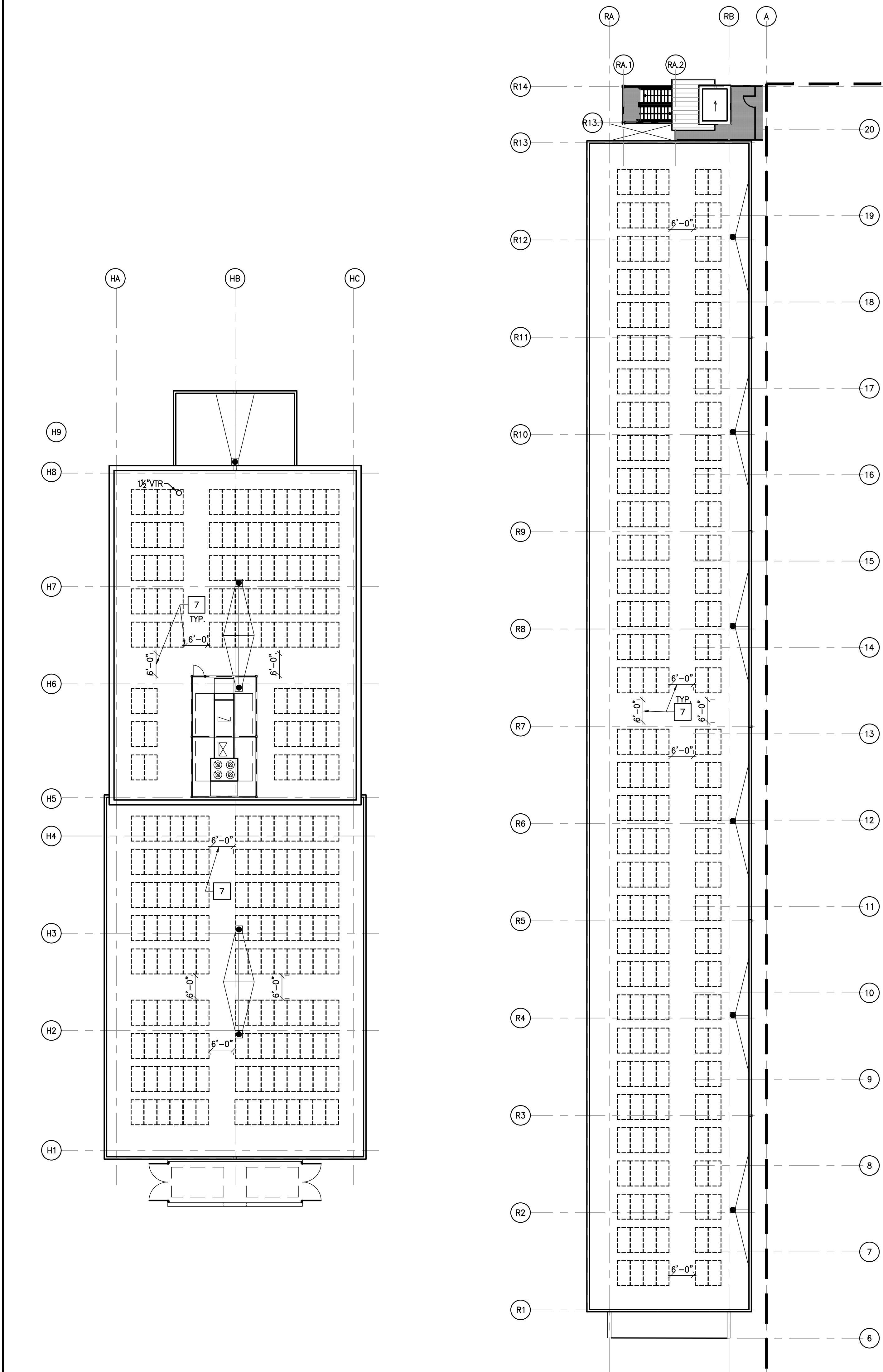


SCALE: 1/8" = 1'-0"

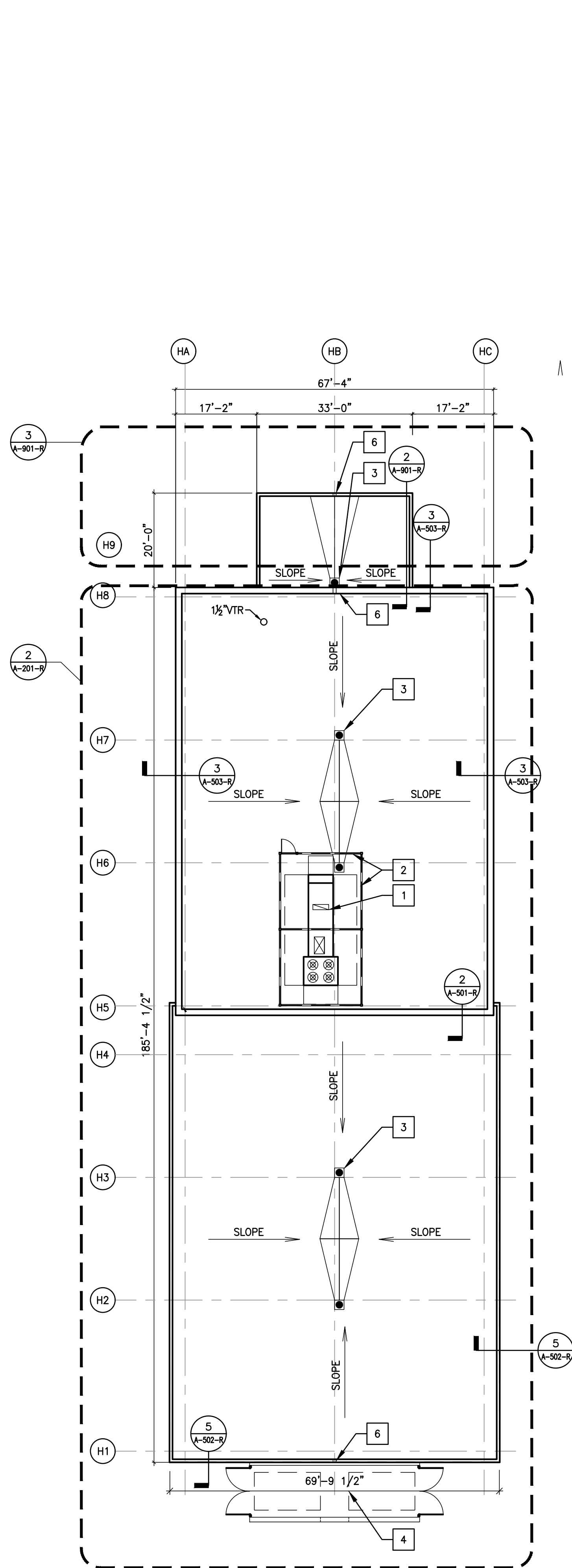
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PERMIT SUBMISSION	30/06/2023
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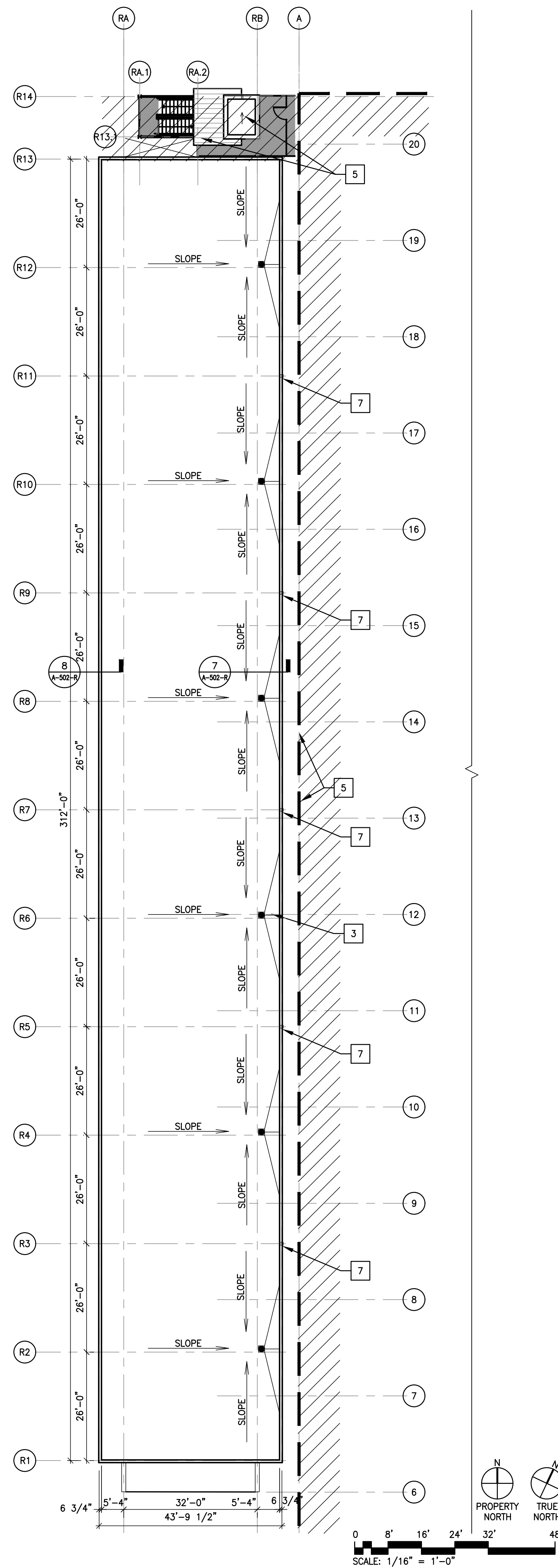




2
A-102-R
HEATED STORAGE AND READY RESERVE FACILITY - SOLAR PLAN



1
A-102-R
HEATED STORAGE AND READY RESERVE FACILITY - ROOF PLAN
SCALE: 1/16" = 1'-0"



PERMIT SUBMISSION

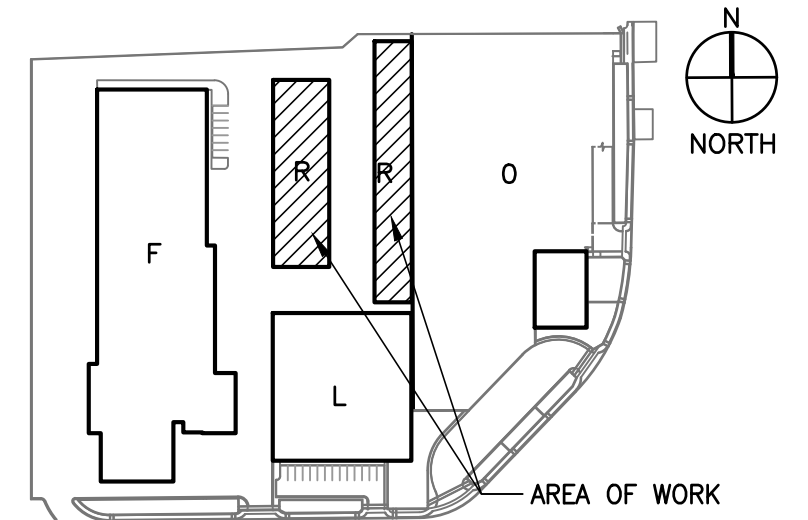
GENERAL NOTES

1. REFER TO G-005 FOR SYSTEM NOMENCLATURE.
2. REFER TO A-200-R SERIES SHEETS FOR ENLARGED PLANS
3. REFER TO A-300-R SERIES SHEETS FOR ELEVATIONS AND SECTIONS.
4. REFER TO A-600-R SERIES SHEETS FOR FINISH SCHEDULE AND PLANS.
5. REFER TO A-700-R SERIES SHEETS FOR FURNITURE SCHEDULE AND PLANS.
6. REFER TO Q-SERIES SHEETS FOR EQUIPMENT.
7. COORDINATE UNDER SLAB UTILITIES AND EQUIPMENT WITH ALL DISCIPLINES.
8. REFER TO SHEET A-503-R, WALL TYPES.
9. RELATIVE FLOOR SLAB ELEVATION FOR HEATED STORAGE IS 28'-6" ABOVE SEA LEVEL, U.O.N.
10. RELATIVE FLOOR SLAB ELEVATION FOR READY RESERVE VARIES, SEE PLANS AND CIVIL DRAWINGS
11. REFER TO CIVIL DRAWINGS FOR PHASING INFORMATION
12. REFER TO ELECTRICAL DRAWINGS FOR LIGHTNING PROTECTION.
13. ROOF DECK FOLLOWS INCREMENTALLY SLOPING BEAMS BY GRAVITY FORCED DEFLECTION. TOP SURFACE OF ROOF DECK IS CONCAVED PAN WITH NO VERTEX. REFER TO STRUCTURAL FOR ROOF DECK SPOT ELEVATIONS.
14. PHOTOVOLTAIC ARRAY SYSTEM - IN ITS ENTIRETY TO BE PROVIDED UNDER SEPARATE CONTRACT. PROVIDE CONDUIT AND PATHWAYS ONLY.
15. SOLAR PANEL LAYOUT IS SHOWN FOR INFORMATION ONLY. PATHWAYS ARE ONLY INCLUDED IN BASE BID.
16. THE PHOTOVOLTAIC ARRAY SYSTEM SHALL PROVIDE AN ANNUAL ENERGY PRODUCTION EQUIVALENT OF NOT LESS THAN 6.0 kWh/SQFT MULTIPLIED BY 25,000 SQ.FT. GROSS ROOF AREA
17. SOLAR PANEL OUTPUT SHALL BE 520KW2 FOR THE ENTIRE CAMPUS.

KEYNOTES

- | | |
|---|---------------------------------------|
| 1 | MECHANICAL EQUIPMENT, R.M.D. |
| 2 | MECHANICAL SCREEN |
| 3 | ROOF DRAIN, R.P.D. |
| 4 | TRASH AREA |
| 5 | OSSE STRUCTURE, BUILT DURING PHASE A |
| 6 | OVERFLOW SCUPPER |
| 7 | MAINTAIN MIN. CLEARANCE 6'-0" TYPICAL |

KEYPLAN



#	Date	Change Description

DGS BUILD MAINTAIN SUSTAIN

DEPARTMENT OF GENERAL SERVICES

FEMS FLEET MAINTENANCE FACILITY

BLUE PLAINS - D.C. VILLAGE LANE SW., WASHINGTON D.C. 20032

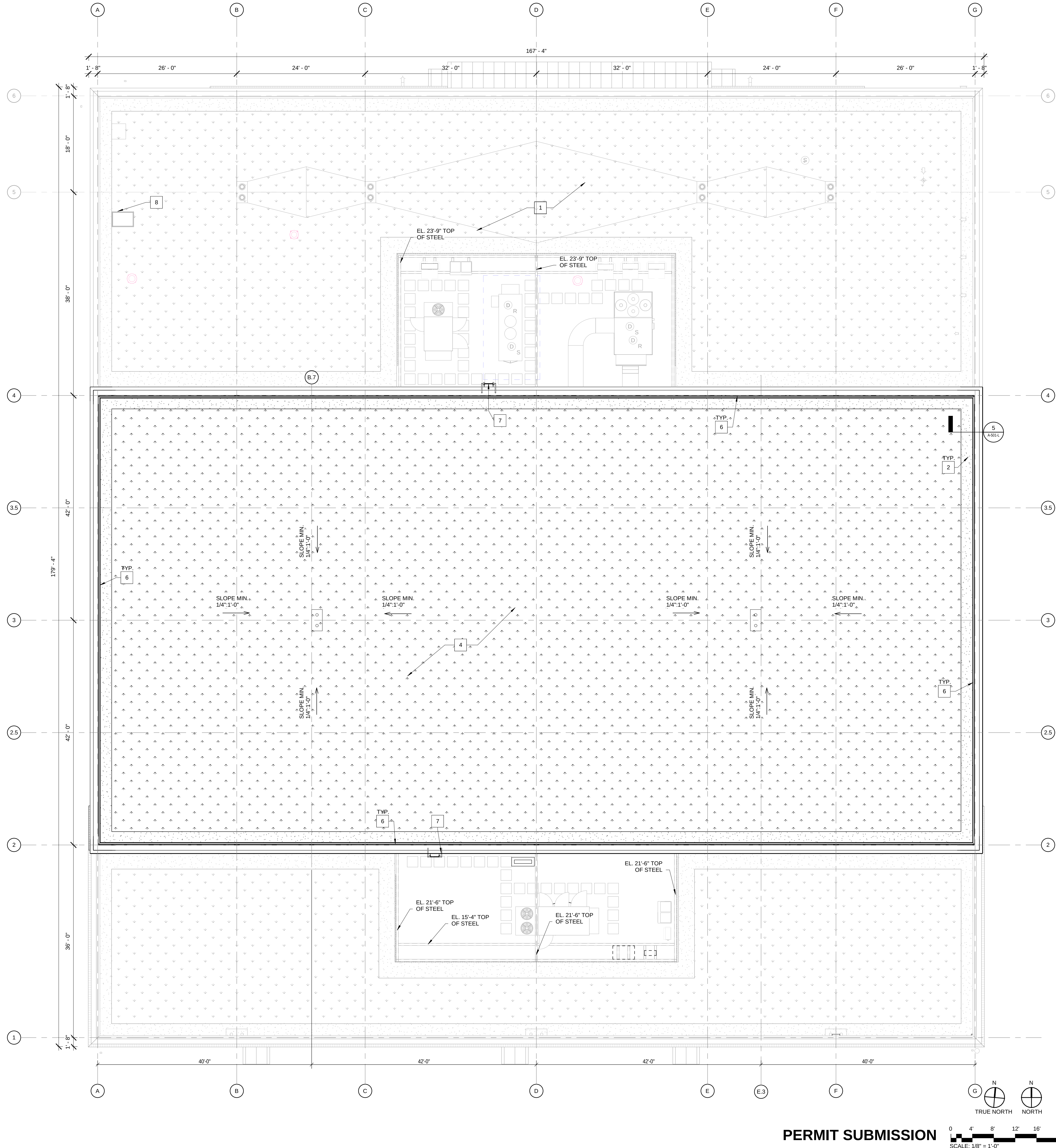
FOR THE GOVERNMENT OF THE DISTRICT OF COLUMBIA

ALPHATEC PC

ENGINEERS ARCHITECTS PLANNERS

1025 18TH STREET N.W. WASHINGTON, D.C. 20036 TEL. 202/797-5000 FAX 202/797-5003

SUB-CONSULTANT:	SEAL:	Project NO. SEE PLOT STAMP
Dwg. Coord.:		Tech. Coord.:
HEATED STORAGE AND READY RESERVE FACILITY - ROOF PLAN		A-102-R
PERMIT SUBMISSION		10/12/2023



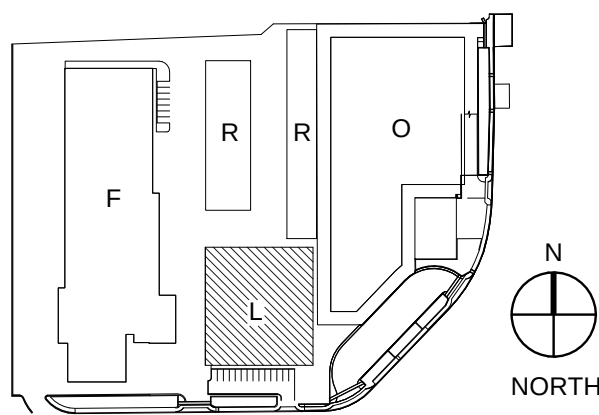
GENERAL NOTES

1. REFER TO G-005 FOR SYSTEM NOMENCLATURE.
2. REFER TO A-200-L SERIES SHEETS FOR PLANS AND REFLECTED CEILING PLANS.
3. REFER TO A-300-L SERIES SHEETS FOR ELEVATIONS AND SECTIONS.
4. REFER TO A-400-L SHEETS FOR ENLARGED PLANS.
5. REFER TO A-500-L SERIES SHEETS FOR TYPICAL DETAILS AND PARTITION TYPES.
6. REFER TO A-600-L SERIES SHEETS FOR FINISH SCHEDULE.
7. REFER TO A-700-L SERIES SHEETS FOR FURNITURE SCHEDULE AND PLAN.
8. REFER TO Q-SERIES SHEETS FOR EQUIPMENT.
9. REFER TO CIVIL DRAWINGS FOR ALL GRADE LEVELS AND APRONS.
10. COORDINATE UNDER SLAB UTILITIES AND EQUIPMENT WITH ALL DISCIPLINES.
11. SLOPE GRADE AWAY FROM BUILDING.
12. ROOF DECK FOLLOWS INCREMENTALLY SLOPING BEAMS BY GRAVITY FORCED DEFLECTION. TOP SURFACE OF ROOF DECK IS CONCAVED PAN WITH NO VERTEX. REFER TO STRUCTURAL FOR ROOF DECK SPOT ELEVATIONS.
13. REFER TO A-205-L FOR PV PANEL LAYOUT.

KEY NOTES

- | | |
|---|---|
| 1 | ROOF BELOW, REFER TO A-203-L |
| 2 | 3'-0" GRAVEL PERIMETER AROUND VEGETATED ROOF AREA |
| 3 | ROOF DRAIN AND ADJACENT OVERFLOW DRAIN, R.P.D |
| 4 | GREEN ROOF, REFER TO A-506-L, A-507-L |
| 5 | 2x2 WALK PADS |
| 6 | GUARD RAIL, REFER TO PARAPET DETAIL 5/A-501-L |
| 7 | LADDER |
| 8 | ROOF TOP HOOD ENTRY, R.E.D. SEE DETAIL 8/A-505-L FOR FLASHING INFORMATION |

KEY PLAN



#	Date	Change Description

DGS

BUILD

MAINTAIN

SUSTAIN

FOR THE
GOVERNMENT OF THE DISTRICT
OF COLUMBIA

FEMS FLEET MAINTENANCE FACILITY
BLUE PLAINS - D.C. VILLAGE LANE SW,
WASHINGTON D.C. 20032

ALPHATEC PC

**ENGINEERS
ARCHITECTS
PLANNERS**

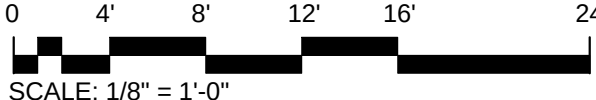
1525 18TH STREET N.W.
WASHINGTON, D.C. 20036
TEL 202/797-5000
FAX 202/797-5003

SUB-CONSULTANT:

SEAL:

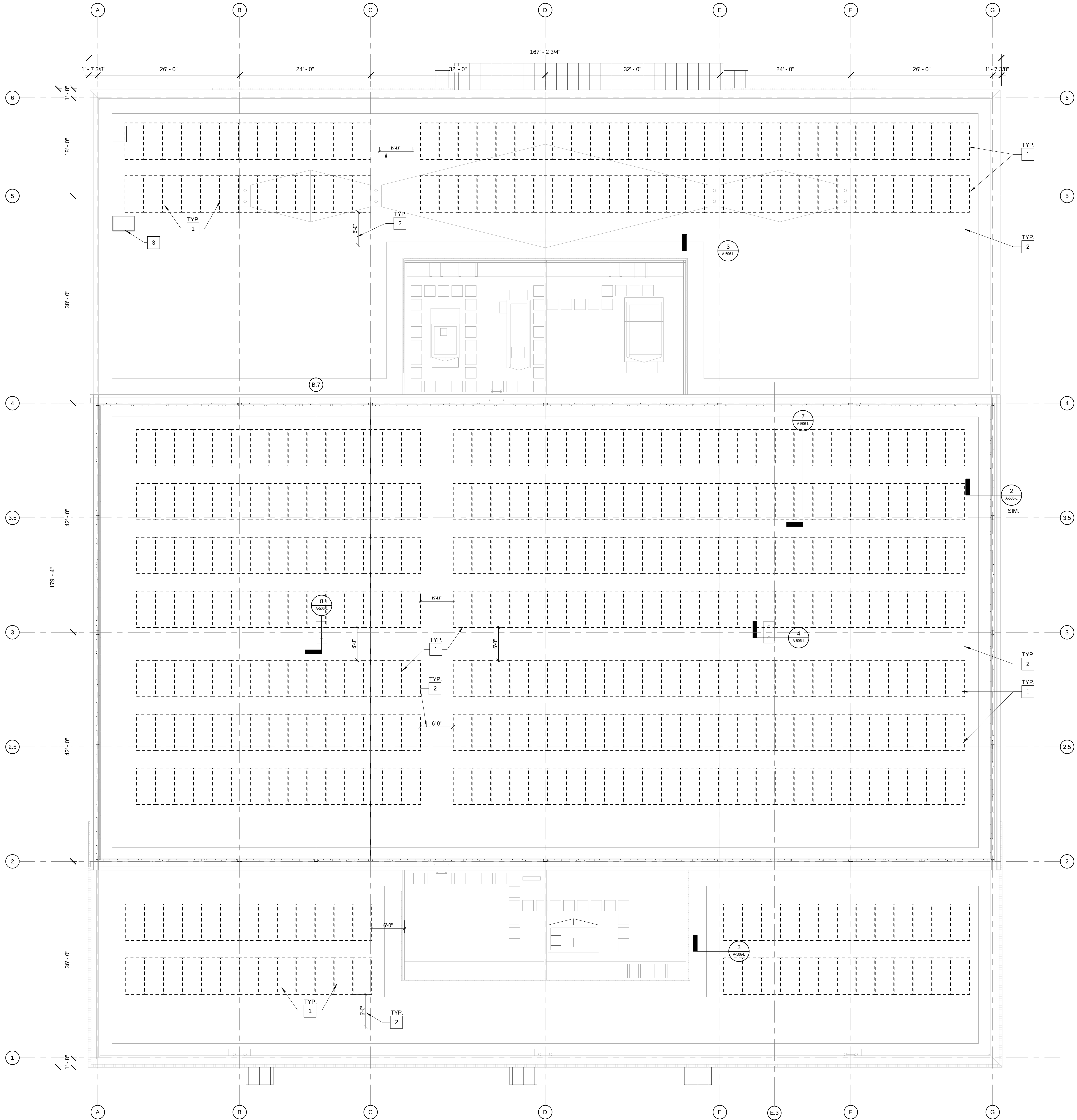
Dwg. Coord.: RB	Tech. Coord.: JK	Project NO.: SEE PLOT STAMP
ROOF PLAN - UPPER ROOF		A-204-L
PERMIT SUBMISSION		30/08/2023

PERMIT SUBMISSION



UPPER ROOF - ROOF PLAN

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



PERMIT SUBMISSION

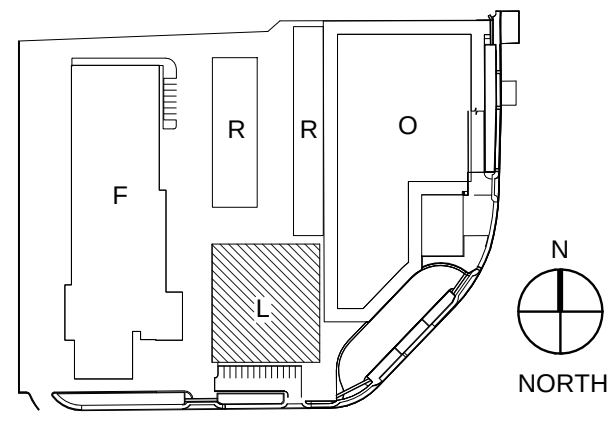
GENERAL NOTES

1. REFER TO A-G005 FOR SYSTEM NOMENCLATURE.
2. REFER TO A-200-F SERIES SHEETS FOR PLANS AND REFLECTED CEILING PLANS.
3. REFER TO A-300-L SERIES SHEETS FOR ELEVATIONS AND SECTIONS.
4. REFER TO A-400-L SHEETS FOR ENLARGED PLANS.
5. REFER TO A-500-L SERIES SHEETS FOR TYPICAL DETAILS AND PARTITION TYPES.
6. REFER TO A-600-L SERIES SHEETS FOR FINISH SCHEDULE.
7. REFER TO A-700-L SERIES SHEETS FOR FURNITURE SCHEDULE AND PLAN.
8. REFER TO Q-SERIES SHEETS FOR EQUIPMENT.
9. REFER TO CIVIL DRAWINGS FOR ALL GRADE LEVELS AND APRONS.
10. COORDINATE UNDER SLAB UTILITIES AND EQUIPMENT WITH ALL DISCIPLINES.
11. SLOPE GRADE AWAY FROM BUILDING.
12. PHOTOVOLTAIC PANELS, INVENTORS WIRING AND POWER GENERATION COMPONENTS, TO BE PROVIDED UNDER SEPARATE CONTRACT.
13. SOLAR PANEL LAYOUT IS SHOWN FOR INFORMATION ONLY. CONTRACTOR TO VERIFY FINAL LAYOUT WITH INSTALLER/DELEGATED DESIGNER.
14. REFER TO A-204-L FOR DETAILED ROOF PLAN INFORMATION.
15. GREEN ROOF ASSEMBLY, RACKING, BRACKETS, CLAMPS AND ATTACHMENT ASSEMBLY INCLUDED IN BASE BID. REFER TO A-506-L AND A-507-L.
16. PHOTOVOLTAIC PANELS/INVENTORS, WIRING, AND POWER GENERATING COMPONENTS ARE TO BE PROVIDED UNDER SEPARATE CONTRACT, INCLUDING METERING CONNECTIONS TO SWITCHGEAR AND SOLAR DISCONNECT. WORK UNDER SEPARATE CONTRACT TO TAKE PLACE AFTER GREEN ROOF MATURATION PERIOD.
17. SOLAR PANEL ARE NOT IN CONTRACT.
18. SOLAR PANEL OUTPUT SHALL BE 520KW2 FOR THE ENTIRE CAMPUS.
19. THE PHOTOVOLTAIC ARRAY SYSTEM SHALL PROVIDE AN ANNUAL ENERGY PRODUCTION EQUIVALENT OF NOT LESS 6.0kBTU/SF MULTIPLIED BY 64,000 SF GROSS ROOF AREA.

KEY NOTES

- | | |
|---|---|
| 1 | PHOTOVOLTAIC PANEL, BASIS OF DESIGN ECOCLINE SOLAR. |
| 2 | MAINTAIN REQUIRED CLEARANCE MIN. 6'-0" |
| 3 | ROOF TOP HOOD ENTRY, R.E.D. SEE DETAIL 8/A-505-L FOR FLASHING INFORMATION |

KEY PLAN



#	Date	Change Description

DGS

BUILD

MAINTAIN

SUSTAIN

FOR THE

GOVERNMENT OF THE DISTRICT

OF COLUMBIA

FEMS FLEET MAINTENANCE FACILITY

BLUE PLAINS - D.C. VILLAGE LANE SW, WASHINGTON D.C. 20032

ALPHATEC PC

ENGINEERS ARCHITECTS PLANNERS

5525 18TH STREET N.W.

WASHINGTON, D.C. 20036

TEL 202/797-5000

FAX 202/797-5003

SUB-CONSULTANT:

SEAL:

Dwg. Coord.: RB	Tech. Coord.: JK	Project NO.: SEE PLOT STAMP
ROOF PLAN - PV PLAN	A-205-L	
PERMIT SUBMISSION	30/08/2023	

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



1. REFER TO ELECTRICAL SHEETS FOR LIGHTNING PROTECTION.
2. REFER TO CIVIL DRAWINGS FOR GRADE LEVELS. GRADE LEVELS ARE SHOWN FOR REFERENCE ONLY.
3. SET ELECTRICAL GROUNDING SYSTEMS IN CONFORMANCE.
4. WINDOW DIMENSIONS ARE TYPICAL FOR EACH WINDOW TYPE. REFER TO SHEET A-508-I FOR OPENING DETAILS.
5. FIXED WINDOW SHALL BE GLAZED WITH GL-2 AND ENTRANCE DOORS AND SIDE LIGHTS TO BE GLAZED WITH GL-2.
6. OPAQUE DOOR U-0=0.40, RIBER DOOR U-0=0.40
7. REFER TO CIVIL DRAWINGS FOR GRADE LEVELS. GRADE LEVELS ARE FOR REFERENCE ONLY.
8. SLOPE GRADE AWAY FROM BUILDING.
9. ALL DATA IN ELEVATIONS ARE IN REFERENCE TO THE TOP OF DECKING U.O.N.
10. REFER TO GENERAL SHEETS FOR SIGNAGE

1	WALL TYPE 1, REFER TO A-502-L
2	WALL TYPE 2B, REFER TO A-502-L
3	BUILDING BEYOND, REFER TO PLANS
4	MECHANICAL EQUIPMENT SCREEN, REFER TO A-505-L
5	WALL TYPE 5, REFER TO A-502-L
6	BOLLARD, REFER TO SITE DETAILS A-901-L
7	TOP OF COPING
8	TOP OF BRICK
9	ROLL-UP DOOR, REFER TO DOOR SCHEDULE 4 AND 4/A-801-L
10	GALVANIZED STEEL RAILING, REFER TO PARAPET DETAILS
11	LADDER ROOF ACCESS, PROVIDE SUPPORT PLATE MOUNT TO CMU WALL AS REQUIRED
12	SEE CIVIL DRAWINGS FOR PLANTER INFORMATION
13	F.D.C.
14	EXPANSION JOINT, REFER TO, S/A-503-L
15	CANOPY STRUCTURE, REFER TO A-402-L
16	BIORETENTION AREA REFER TO CIVIL DRAWINGS
17	PLANTER, NOT SHOWN FOR CLARITY
18	AREAWAY FILLED WITH GRAVEL, NOT SHOWN FOR CLARITY
19	RETAINING WALL
20	NO PANEL INFILL MIN 4", PROVIDE ACCESS TO ENCLOSURE

#	Date	Change Description

DGS **BUILD** **MAINTAIN** **SUSTAIN**
DEPARTMENT OF
GENERAL SERVICES

FEMS FLEET MAINTENANCE
FACILITY
BLUE PLAINS - D.C. VILLAGE LANE
WASHINGTON D.C. 20032
FOR THE
GOVERNMENT OF THE DISTRICT
OF COLUMBIA

ALPHATEC^{PC}
 **ENGINEERS
 ARCHITECTS
 PLANNERS**
 1525 18TH STREET N.
 WASHINGTON, D.C. 20036
 TEL. 202/797-5000
 FAX 202/797-5003

UB-CONSULTANT:

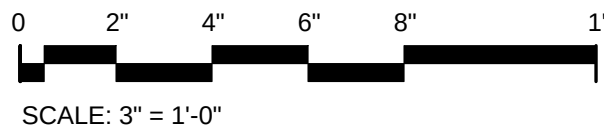
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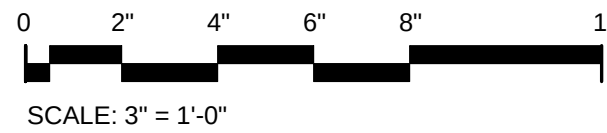
Dwg. Coord.: RB	Tech. Coord.: JK	Project NO: SEE PLOT STAMP
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ELEVATIONS	A-301-I
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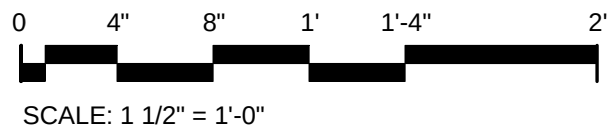
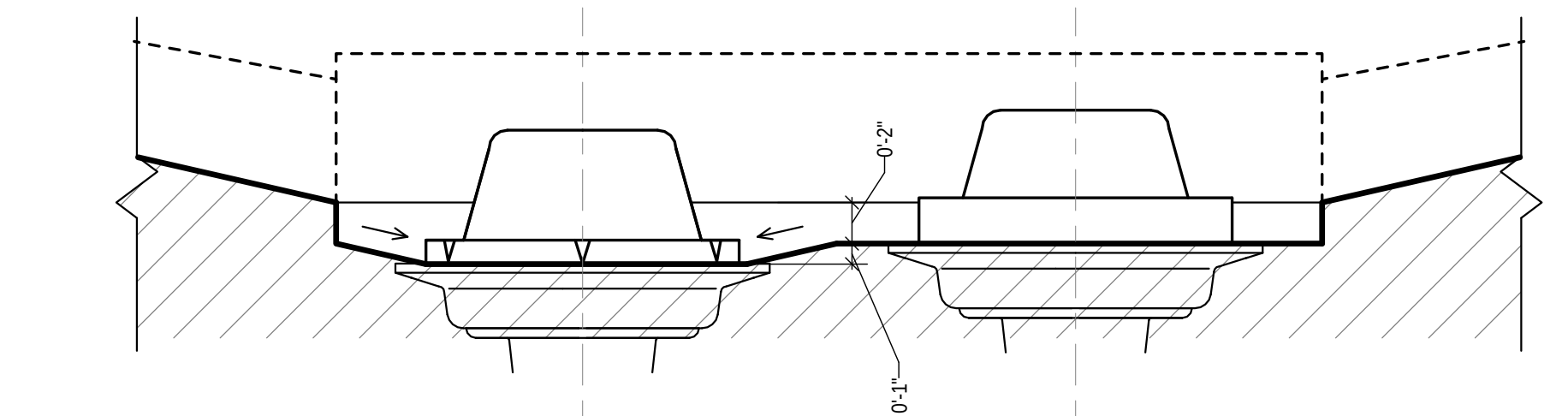
Board of Zoning Adj.



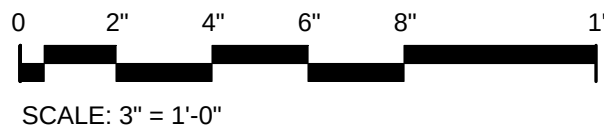
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SCALE: 3" = 1'-0"



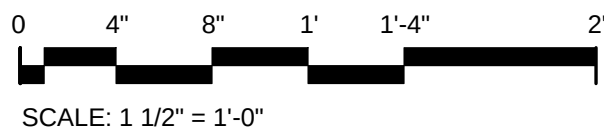
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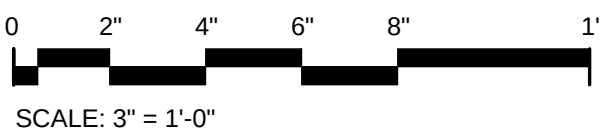
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SCALE: 3" = 1'-0"



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



SCALE: 3" = 1'-0"



SCALE: 3" = 1'-0"

1. REFER TO G-005 FOR SYSTEM NOMENCLATURE.
2. ROOF DECK FOLLOWS INCREMENTALLY SLOPING BEAMS BY GRAVITY FORCED DEFLECTION. TOP SURFACE OF ROOF DECK IS CONCAVED PAN WITH NO VERTEX. REFER TO STRUCTURAL FOR ROOF DECK SPOT ELEVATIONS.
3. FOR ASSEMBLY ABOVE WATERPROOFING MEMBRANE REFER TO GREEN ROOF DETAIL SHEETS
4. GRAVEL PERIMETER NOT SHOWN FOR DETAIL CLARITY. REFER TO PLANS AND DETAILS FOR BALLAST INFORMATION

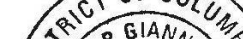
DGS
DEPARTMENT OF
GENERAL SERVICES

BUILD
MAINTAIN
SUSTAIN

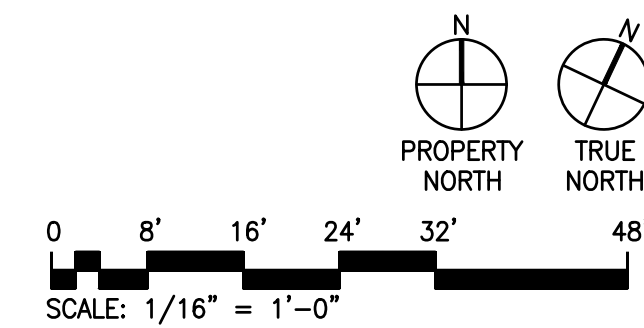
**FEMS FLEET MAINTENANCE
FACILITY**

BLUE PLAINS - D.C. VILLAGE LANE SW ,
WASHINGTON D.C. 20032

FOR THE
GOVERNMENT OF THE DISTRICT
OF COLUMBIA

SUB-CONSULTANT:	SEAL:
	

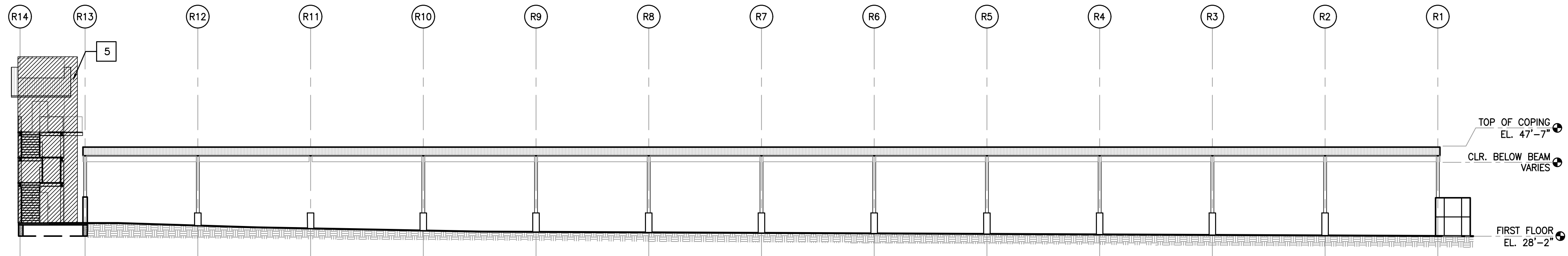
Board of Zoning Adjustment
District of Columbia
2010013022



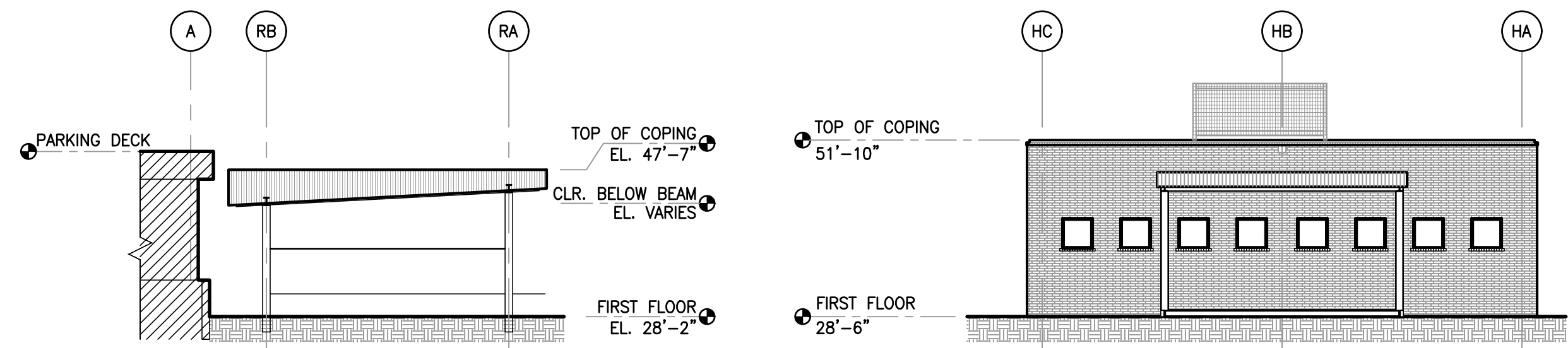
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CASE NO.21196
EXHIBIT NO.49

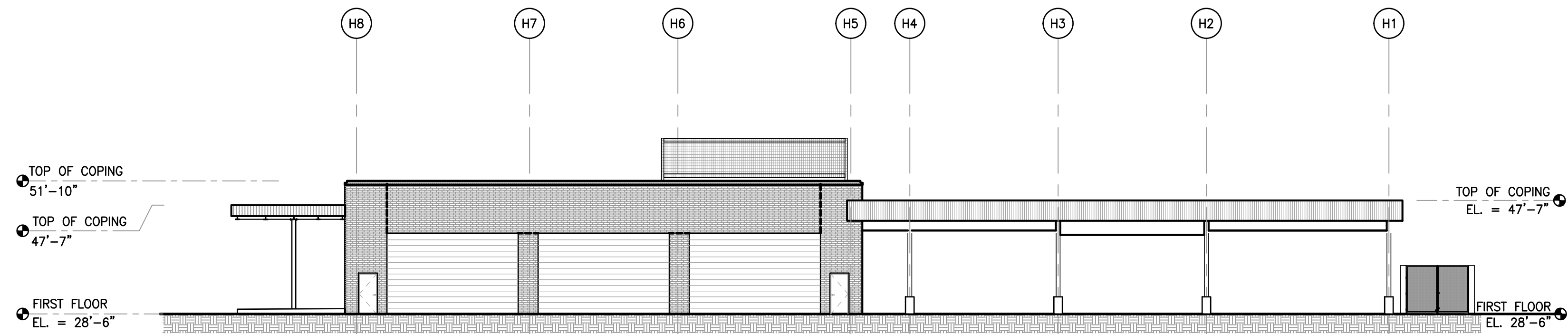
SUB-CONSULTANT:		SEAL:	
Dwg. Coord.:		Tech. Coord.:	
HEATED STORAGE AND READY RESERVE FACILITY - FIRST FLOOR		Project NO.	SEE LOT STAMP
PERMIT SUBMISSION		A-101-R	
		10/12/2023 Adjustment	



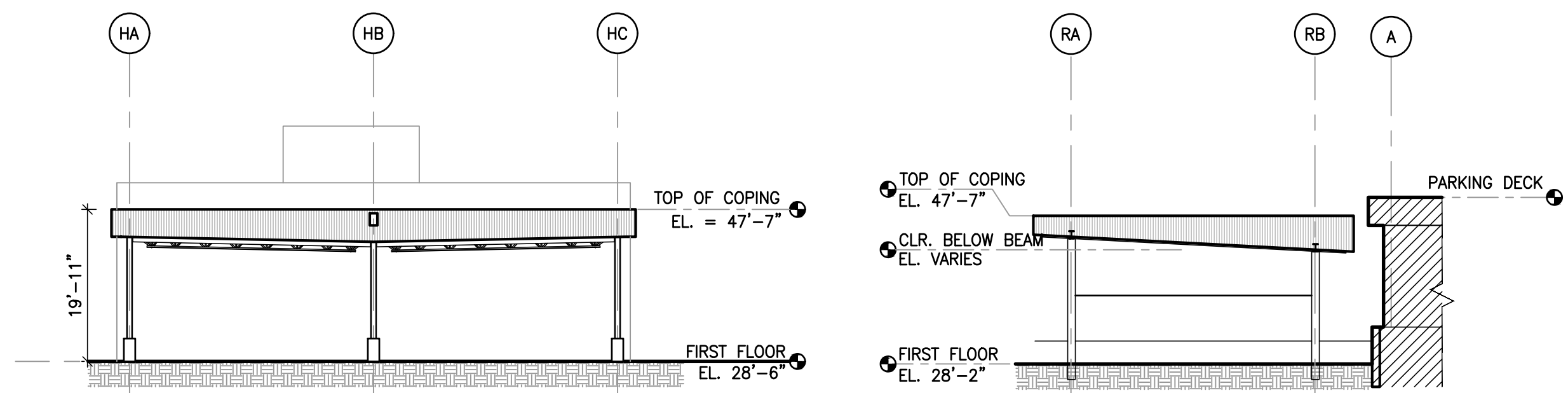
4
A-103-R
ELEVATIONS - FEMS READY RESERVE FACILITY
SCALE: 1/8" = 1'-0"



3
A-103-R
ELEVATIONS - FEMS READY RESERVE FACILITY
SCALE: 1/8" = 1'-0"



2
A-103-R
ELEVATIONS - FEMS READY RESERVE FACILITY
SCALE: 1/8" = 1'-0"



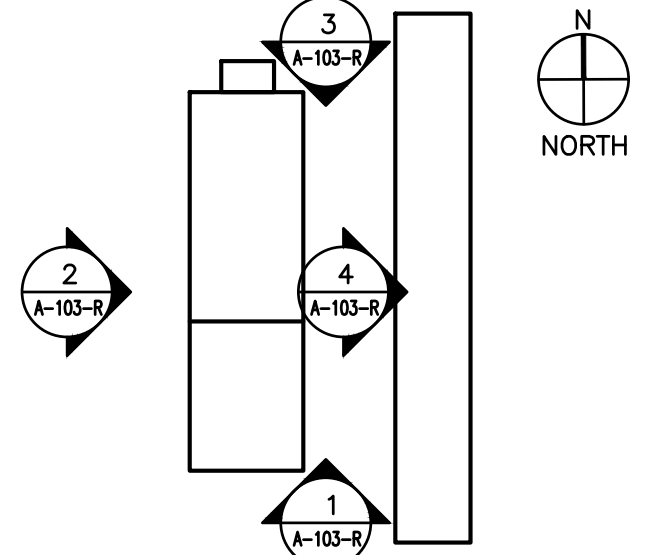
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A-103-R
HEATED STORAGE AND READY RESERVE FACILITY - ELEVATIONS
SCALE: 1/16" = 1'-0"

PERMIT SUBMISSION

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR LIGHTNING PROTECTION.
2. SEE SHEET G-005 FOR SYSTEM NOMENCLATURE.
3. WINDOW DIMENSIONS ARE TYPICAL FOR EACH WINDOW TYPE. REFER TO SHEET A-505-R FOR OPENING DETAILS.
4. REFER TO CIVIL DRAWINGS FOR GRADE LEVELS, GRADE LEVELS ARE FOR REFERENCE ONLY.
5. SLOPE GRADE AWAY FROM BUILDING.
6. ALL DATUM ELEVATIONS ARE IN REFERENCE TO THE TOP OF DECKING U.O.N.
7. REFER TO ENLARGED ELEVATIONS A-301-R
8. REFER TO GENERAL SHEETS FOR SIGNAGE

KEY PLAN



#	Date	Change Description

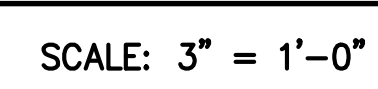
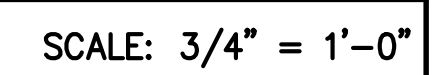
FEMS FLEET MAINTENANCE FACILITY
BLUE PLAINS - D.C. VILLAGE LANE SW., WASHINGTON D.C. 20032
FOR THE GOVERNMENT OF THE DISTRICT OF COLUMBIA

ALPHATEC PC
ENGINEERS ARCHITECTS PLANNERS
1025 18TH STREET N.W. WASHINGTON, D.C. 20036
TEL. 202/797-5000 FAX 202/797-5003

SUB-CONSULTANT:	SEAL:
Dwg. Coord.:	Tech. Coord.:
Project NO.:	SEE PLOT STAMP
HEATED STORAGE AND READY RESERVE FACILITY ELEVATIONS	A-103-R
PERMIT SUBMISSION	10/12/2023



SCALE: 3" = 1'-0"



PERMIT SUBMISSION	10/12/2023
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