

MATERIALS LEGEND

	EXISTING MATERIAL		PLYWOOD
	EARTH		CONTINUOUS WOOD BLOCKING
	CONCRETE		WOOD BLOCKING OR SHIM
	COMPACTED FILL		BRICK
	GYPSUM BOARD/ PLASTER		CONCRETE BLOCK
	BATT INSULATION		STONE
	RIGID BOARD INSULATION		STEEL

DOC NCF LU B,C & D ROOF REPLACEMENTS

FOR THE
NEWTON CORRECTIONAL FACILITY
307 SOUTH 60TH AVENUE W
NEWTON, IA 50208

DAS PROJECT No. 9460.00
 GENESIS PROJECT No. 2414

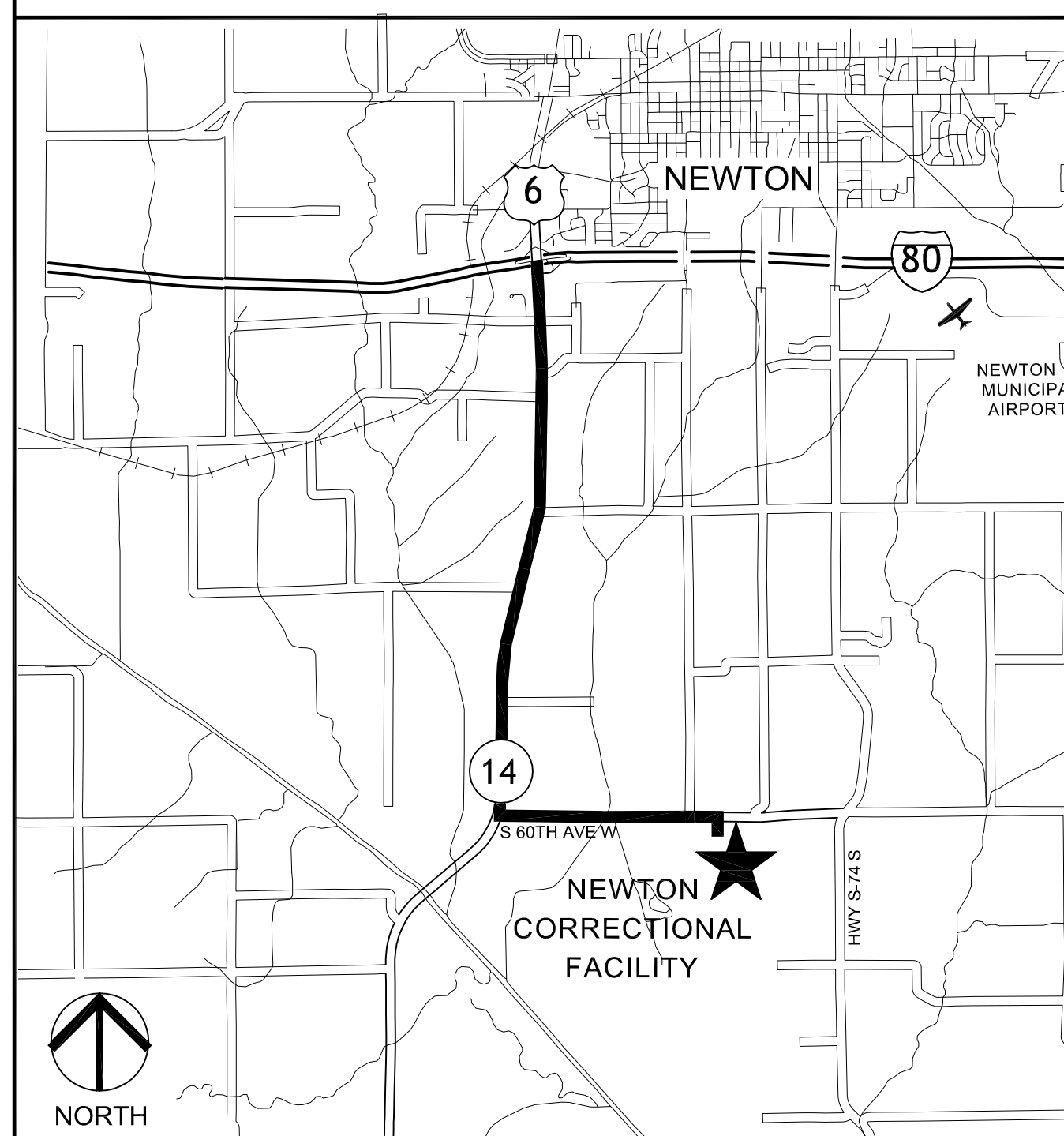
SYMBOLS LEGEND

	- SECTION LABEL		KEY NOTE
	- SHEET NUMBER		OPENING TYPE CALLOUT
	DETAIL NUMBER -		WALL TYPE CALLOUT
	SHEET NUMBER -		DOOR NUMBER
	EXTERIOR ELEVATION		ROOM NUMBER
	INTERIOR ELEVATION		ROOM NAME - ROOM NAME
	NEW ELEVATION		COLUMN GRID LINE
	EXISTING ELEVATION		MATCH LINE SEE XX/X.XX
	NEW FINISH GRADE CONTOURS		BENCH MARK
	UNCHANGED EXISTING GRADES		ELEVATION IN SECTION +X'-X"
	ALTERED EXISTING GRADES		FOOTING SIZE
			FOOTING ELEVATION

ABBREVIATIONS

ACC ACCESSIBLE	ACT ACUSTICAL CEILING	ACT ACUSTIC	ADJ ADJUSTABLE	A/E ARCHITECT / ENGINEER	AFF ABOVE FINISHED FLOOR	AHJ AUTHORITY HAVING JURISDICTION	ALUM ALUMINUM	AMT AMOUNT	APPROX APPROXIMATELY	ARCH ARCHITECT	ASPH ASPHALT	AVE AVERAGE	BALC BALCONY	BD BLDG	BLK BLOCK	BLT BORROWED LIGHT	BRK BRICK	BSMT BASEMENT	BN BULL-NOSED	BUR BUILT UP ROOFING	CAB CABINET	CB CHALKBOARD	CC CENTER TO CENTER	CFLG COUNTER FLASHING	CG CORNER GUARD	CHNLS CHANNELS	CJ CONTROL JOINT	CL CENTER LINE	CLG CEILING	CLO CLOSET	CLRM CLASSROOM	CMU CONCRETE MASONRY UNIT	COL COLUMN	CONC CONCRETE	CONT CONTINUOUS	CONTR CONTRACTOR	CORR CORRIDOR	CPT CARPET	CRS COURSES	CSB CONCRETE SPLASH BLOCK	CT CERAMIC TILE	CTR CENTER	D DEPTH	DBL DOUBLE	DEMO DEMOLITION	DTL DETAIL	DF DRINKING FOUNTAIN	DIA DIAMETER	DIM DIMENSION	DISP DISPENSER	DN DOWN	DR REPEAT	DR DOOR	DRS DOORS	DS DOWNSPOUT	DWG DRAWING	DWR DRAWER	EA EACH	EF EXHAUST FAN	EJ EXPANSION JOINT	EJF EXPANSION JOINT FILLER	ELEC ELECTRICAL	ELEV ELEVATION	ENCL ENCLOSURE	ENGR ENGINEER	EQ EQUIP	EQIP EQUIPMENT	EX/EXST EXISTING	EXT EXTERIOR	EXP EXPOSED OR EXPANSION	FCJ FLOOR CONTROL JOINT	FCO FLOOR CLEAN OUT	FD FLOOR DRAIN	FND FOUNDATION	FE FIRE EXTINGUISHER	FEC FIRE EXTINGUISHER CABINET	FEJ FLOOR EXPANSION JOINT	FIN FINISH	FLR FLOOR	FLM FULL LENGTH MIRROR	FLUOR FLUORESCENT	FO FINISH OPINING	FR FRAME	FRP FIBERGLASS REINFORCED PANEL	FRTW FIRE RETARDANT TREATED WOOD	FS FLOOR SINK	FT FOOT OF FEET	FTG FOOTING	GA GAUGE	GALV GALVANIZED	GB GRID BAR	GL GLASS	GND GROUND	GYP GYPSUM	GYP BD GYPSUM BOARD	H HIGH	HB HOSE BIB	HDW HARDWARE	HM HOLLOW METAL	HORIZ HORIZONTAL	HR HOUR	IW IN ACCORDANCE WITH	INCL INCLUDED	INSUL INSULATION	INT INTERIOR	IS INSIDE	JAN CLO JANITORS CLOSET	JT JOINT	KIT KITCHEN	KW KEY WALL	LAV LAVATORY	LB POUND	LF LINEAL FEET	LM LAVATORY MIRROR	LW LOUVER	LWR LIGHT WEIGHT	MAG MAGNET(IC)	MAS MASONRY	MAU MAKE UP AIR UNIT	MB MARKER BOARD	MECH MECHANICAL	MTL METAL	MFR MANUFACTURER	MHO MAGNETIC HOLD OPEN	MIN MINIMUM	MIRR MIRROR	MISC MISCELLANEOUS	MO MASONRY OPENING	NOL MIRROR OVER W LAVATORY	MTD MOUNTED	NIC NOT IN CONTRACT	NO NUMBER	NOM NOMINAL	NTS NOT TO SCALE	OC ON CENTER	OF/CI OWNER FURNISHED/CONTR. INSTALLED	OF/OI OWNER FURNISHED/OWNER INSTALLED	OFF OFFICE	OPNG OPENING	ORIG ORIGINAL	OTS OPEN TO STRUCTURE	OS OUTSIDE	PARG PARGING	PL PLATE	PLAM PLASTIC LAMINATE	PLYWD PLYWOOD	PNL PANEL	PR PAIR	PROT PROTECTION	PRV POWER ROOF VENTILATOR	PT PAINT	PTD PAPER TOWEL DISPENSER	PTN PARTITION	PV PLUMBING VENT	PVC POLYVINYL CHLORIDE	QT QUARRY TILE	R RISER	R&R REMOVE AND REPLACE	RAD RADIUS	RB HK ROBE HOOK	RCJ REINFORCED CONTROL JOINT	RCMU REINFORCED CONC. MASONRY JT.	RCP REFLECTED CEILING PLAN	RD ROOF DRAIN	REBAR REINFORCING BAR	REFR REFRIGERATOR	RENF REINFORCED	REJ ROOF EXPANSION JOINT	REQ'D REQUIRED	RQMT REQUIREMENT	RM ROOM	RO ROUGH OPENING	RTS REINFORCED TERMINATION STRIP	RV ROOF VENT	SATC SUSPENDED ACOUSTIC TILE CEILING	SCHED SCHEDULE	SC SOLID CORE	SCP SCUPPER	SD SOAP DISPENSER	SECT SECTION	SF SQUARE FOOT OR FEET	SHR SHOWER	SHT SHEET	SIM SIMILAR	SKL SKY LIGHT	SL SIDE LIGHT	SNDU SANITARY NAPKIN DISPOSAL UNIT	SPEC SPECIFICATION	SO SQUARE	SS STAINLESS STEEL	STAT STATIONARY	STD STANDARD	STL STEEL	STM SOAP, TOWEL DISPENSER & MIRROR	STOR STORAGE	SUSP SUSPENDED	T TREAD	T&B TOP AND BOTTOM	T&G TONGUE AND GROOVE	TB TACK BOARD	TEL TELEPHONE	TOC TOP OF CURB, TOP OF CONC.	TOW TOP OF WALL	TPH TOILET PAPER HOLDER	TR TRANSOM	TWF THROUGH WALL FLASHING	TYP TYPICAL	UC UTILITY CURB	ULG UNDER LAVATORY GUARD	UNO UNLESS NOTED OTHERWISE	VAT VINYL ASBESTOS TILE	VB VINYL BASE	VCT VINYL COMPOSITION TILE	VENT VENTILATOR	VERT VERTICAL	VEST VESTIBULE	VTR VENT THROUGH ROOF	VWC VINYL WALL COVERING	W WIDTH	W/ WITH	W/O WITHOUT	WC WATER CLOSET OR COOLER	WCJ WALL CONTROL JOINT	WCL WATER COOLER	WD WOOD	WDW WINDOW	WEJ WALL EXPANSION JOINT	WGT WEIGHT	WP WATERPROOFING	WR WASTE RECEPTACLE	WS WEATHER STRIP	WWF WELDED WIRE FABRIC	WWW WELDED WIRE MESH
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LOCATION MAP:



SITE MAP:



SHEET INDEX

ARCHITECTURAL	A0.0 COVER: CONTACTS, LEGENDS, & ABBREVIATIONS
	A0.1 SECURITY & STAGING MAP
	A1.0 UNIT B ROOF PLAN
	A1.1 UNIT C ROOF PLAN
	A1.2 UNIT D ROOF PLAN
	A2.0 DETAILS

BID ALTERNATIVES:

ALTERNATIVE #1: DEDUCT LAWN REPAIRS.
 -SEE SECTION 01 0200

CONTACT INFO:

OWNER
 IOWA DEPT OF ADMIN. SERVICES
 OWNER'S REPRESENTATIVE:
 BRAD TONYAN
 109 S.E. 13TH STREET
 DES MOINES, IA 50319

ON-SITE CONTACT
 NEWTON CORRECTIONAL FACILITY
 PHYSICAL PLANT MANAGER:
 JUSTIN THOMAS
 307 S 60TH AVENUE E W
 NEWTON, IA 50208
 TEL: 641-791-1684

CONSTRUCTION MGR.
 BOYD JONES
 ROB GREINER, PROJECT MANAGER
 11204 AURORA AVENUE
 URBANDALE, IA 50322
 PHONE: 515-650-7777

ARCHITECT
 GENESIS ARCHITECTURAL DESIGN
 PROJECT ARCHITECT:
 EDWARD MATT, AIA
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ENGINEER

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SHEET CONTENTS

COVER: CONTACTS,
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 ABBREVIATIONS

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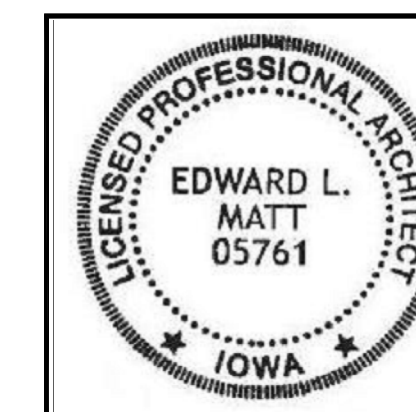
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ISSUE DATE
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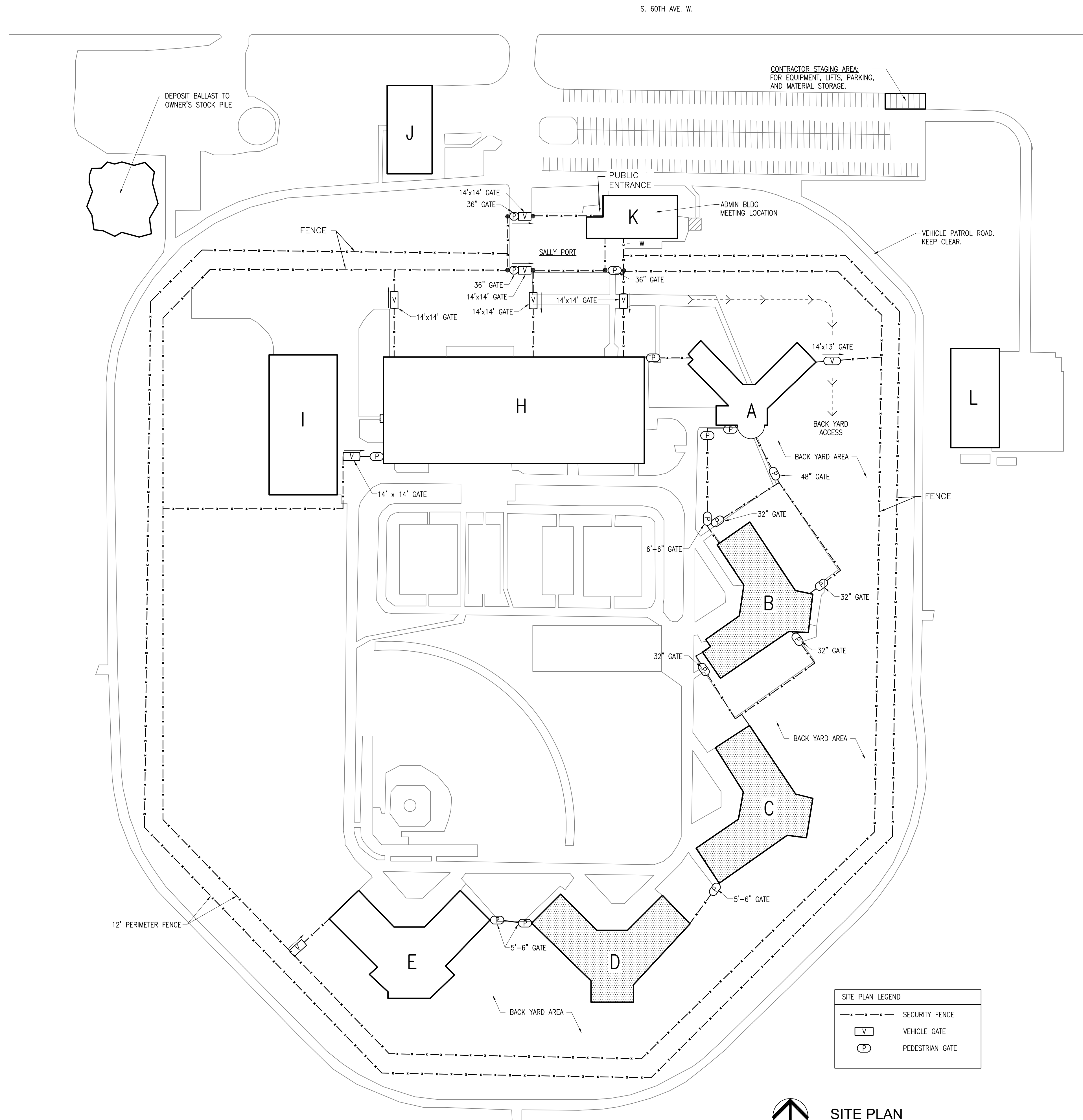
SHEET NUMBER

A0.0

1 OF: 6



I hereby certify that the portion of this technical submission described below was prepared by me or under my supervisor and responsible charge. I am a duly registered Architect under the laws of the State of Iowa.
 Signature _____ 05761
 Edward L. Matt Reg. No.
 Pages or Sheets covered in part or whole by this seal:
 A0.0, A0.1, A1.0, A1.1, A1.2, A2.0.
 Date Issued: JAN. 22, 2025



SITE PLAN LEGEND	
	SECURITY FENCE
	VEHICLE GATE
	PEDESTRIAN GATE



SITE PLAN
SCALE: 1" = 80'-0"

PRISON SECURITY NOTES:

1. ALL CONTRACTOR'S PERSONNEL ARE TO HAVE BACKGROUND CHECKS PRE-APPROVED BEFORE BEING ALLOWED ON SITE FOR WORK. ALL WORKERS MUST COMPLETE PREA TRAINING PRIOR TO WORKING ON SITE.
2. CONTRACTOR'S PERSONNEL TO FOLLOW ALL RULES FOR CONSTRUCTION WORKERS & ATTEND CONTRACTOR'S ORIENTATION. SEE SPECIFICATION FOR REQUIREMENTS.
3. CONTRACTOR TO COORDINATE IN ADVANCE WITH NCF STAFF FOR ALL GATE PASSINGS. GATE LOCATIONS ON THE MAP.
4. CONTRACTOR TO COORDINATE PROPOSED DAILY WORK SCHEDULE WITH NCF STAFF AND CONSTRUCTION MANAGER. IDENTIFY THE BUILDING FOR EACH DAY'S WORK AND PLANNED SEQUENCE FOR ALL SECTIONS. ALL WORK AREAS ARE TO BE CLEANED UP AT THE END OF EACH DAY.
5. SEE SPECIFICATION FOR DAILY TOOL INVENTORY REQUIREMENTS. A STANDARDIZED LIST OF DAILY TOOLS IS PREFERRED. CONSTRUCTION LIFTS MUST BE REMOVED FROM THE PRISON TO THE DESIGNATED STAGING AREA AT THE END OF EACH DAY.
6. SEE SPECIFICATION FOR END OF DAY EQUIPMENT & TOOL SECURITY REQUIREMENTS. COORDINATE WITH OWNER FOR STORAGE OF JOB BOXES & MATERIALS. JOB BOXES CAN BE STORED OVERNIGHT IN THE MECHANICAL ROOMS ON BUILDINGS B, C, & D, FOR WORK ON THOSE BUILDINGS.
7. CONTRACTOR TO PROVIDE PORTABLE TOILET. PORTABLE TOILET WILL BE CHAINED DOWN IN THE BACK YARD AREA BY THE OWNER.
8. SEE MAP LOCATION FOR CONTRACTOR'S STAGING AREA IN N.E. CORNER OF PARKING LOT. LIFTS MUST BE REMOVED TO THE STAGING AREA AT THE END OF EACH DAY.
9. SEE SPECIFICATION FOR EXTENDED ALLOWABLE DAYLIGHT WORK HOURS. INCLUDING WEEKENDS.
10. SEE FRONT END OF SPECIFICATIONS FOR MATERIAL TRANSPORT IN AND OUT OF THE PRISON.
11. DO NOT STORE ADHESIVES OR FLAMMABLES ON ROOF. REMOVE FROM ROOF AT END OF EACH DAYS WORK.
12. ALL BALLAST AND PAVERS ARE TO BE HAULED OUT OF PRISON AND DUMPED TO OWNERS STOCK PILE. SEE MAP LOCATION.
13. REPAIR DAMAGED LAWN AREAS. REPAIR ANY RUTS & RESEED. OWNER WILL WATER LAWN UNTIL RE-ESTABLISHED.

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SECURITY & STAGING

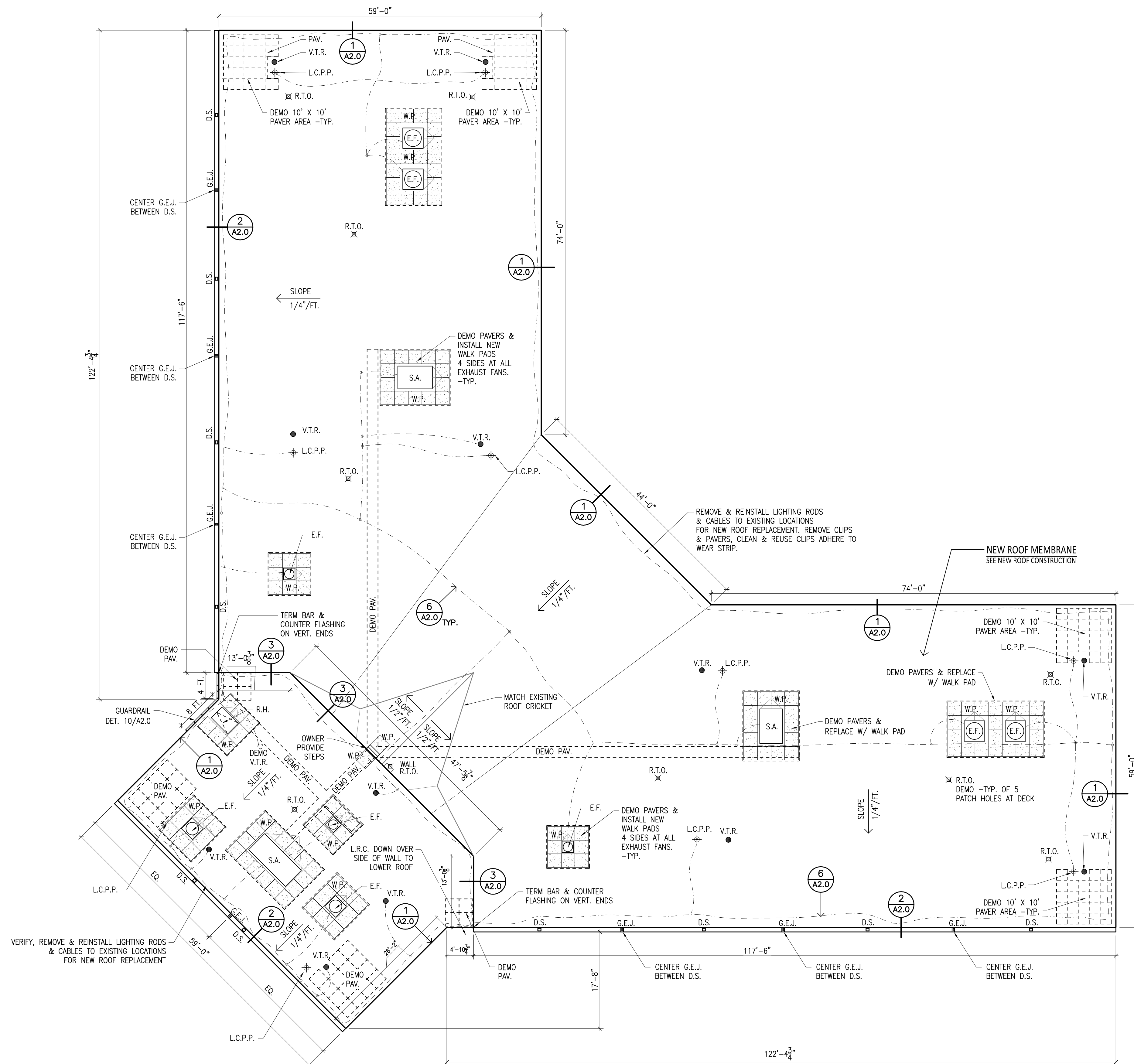
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UNIT B ROOF PLAN
 SCALE: 3/32" = 1'-0"
 APPROX ROOF AREA = 17,040 SF

GENERAL NOTES:

1. REMOVE AND DISPOSE OFF SITE ALL EXISTING MEMBRANE, ANY WATER DAMAGE INSULATION, & METAL TRIM. CONTRACTOR TO REMOVE AGGREGATE BALLAST & PAVERS TO OUTSIDE FENCE TO OWNER'S STOCK PILE.
2. DIMENSIONS & SF QUANTITIES ARE ESTIMATES ONLY. CONTRACTOR TO FIELD VERIFY ACTUAL CONDITIONS. REPORT ANY DISCREPANCIES TO ARCHITECT.
3. AFTER EXISTING ROOF TEAR-OFF, CONTRACTOR TO INSPECT THE CONCRETE ROOF DECK AND GROUT JOINTS. NOTIFY ARCHITECT OR CM IF GROUT JOINTS ARE DAMAGED, SPALLED, OR HAVE CRACKS WIDER THAN 1/8". SEE UNIT COSTS FOR GROUT REPAIRS.
4. DETAILS MAY VARY DEPENDING ON MANUFACTURER'S WARRANTY REQUIREMENTS. PROVIDE ALL SYSTEM COMPONENTS & ACCESSORIES TO MEET WARRANTY SPECIFICATION.
5. QUANTITY, SIZE & LOCATIONS OF ALL ROOF PENETRATIONS ARE APPROXIMATED. CONTRACTOR TO FIELD VERIFY PRIOR TO PROCEEDING WITH ANY WORK.
6. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND QUANTITIES. REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO PROCEEDING WITH ANY WORK.
7. CONTRACTOR TO COORDINATE ALL WORK WITH OTHER TRADES AND COORDINATE SCHEDULE WITH CONSTRUCTION MANAGER.
8. CONTRACTOR TO MATCH EXISTING ROOF SLOPE. ALL CRICKETS TO BE 1/2" SLOPE. PROVIDE CRICKETS AT ALL CURBED EQUIPMENT.
9. CONTRACTOR IS TO REMOVE & REINSTALL LIGHTING PROTECTION CABLES & RODS. SEE UNIT COSTS FOR ROD & CLIP FOR DAMAGE / LOSS. SYSTEM RECERTIFICATION IS NOT REQUIRED.
10. STORE PRIMERS & ADHESIVES OUTSIDE PRISON EXCEPT FOR DAILY USE.
11. EXISTING ROOF ANCHORS ARE TO REMAIN. ADD INSULATION & BOOT OVER EXISTING.
12. DURING ROOF DEMOLITION, CHECK ALL PIPE COUPLINGS ON ROOF VENTS. NOTIFY FACILITY IF ANY NEED TO BE REPLACED.
13. REPLACE TOP 16" OF PRECAST PANEL JOINT SEALANT WHILE FASCIA IS OFF. PROVIDE HYBRID SEALANT PER SPEC.
14. VAPOR BARRIER WILL BE A PARTIAL APPLICATION OF 3 FOOT WIDE STRIPS AROUND THE PERIMETER AND 18" WIDE STRIPS ONLY OVER THE PRECAST DECK JOINTS. PRECAST DECK JOINTS ARE 7'-4" APART.

COLOR SELECTIONS

1. 60 MIL. ROOF: WHITE TPO
2. PREFINISHED METAL: ALUMINUM - CLEAR ANODIZED

EXISTING ROOF CONSTRUCTION:

EXISTING ROOF CONSTRUCTION HAS BEEN VERIFIED WITH ROOF CORE SAMPLES.

1. ROCK BALLAST
 2. 60 MIL. EPDM, LOOSE LAID
 3. 1/2" FIBER COVER BOARD
 4. 3 1/2" XPS INSULATION (2 LAYERS)
 5. 1/2" SUBSTRATE BOARD
 6. SLOPED CONCRETE DECK - PRECAST TEES
- EXISTING ROOF STACK HEIGHT: 4 1/2"

ROOF CLASSIFICATION:

NEW ROOF TO MEET EXISTING ROOF CLASSIFICATION "B".

NEW ROOF CONSTRUCTION:

1. NEW 60 MIL TPO - ADHERED
 2. 1/2" HD COVER BOARD - ADHERED
 3. 4 1/2" RIGID POLYISO INSULATION - ADHERED
 4. 5/8" GYPSUM SUBSTRATE BOARD - ADHERED
 5. NEW SELF ADHERED VAPOR BARRIER
 6. EXISTING CONCRETE DECK (SLOPED)
- NEW ROOF STACK HEIGHT: 5 5/8"

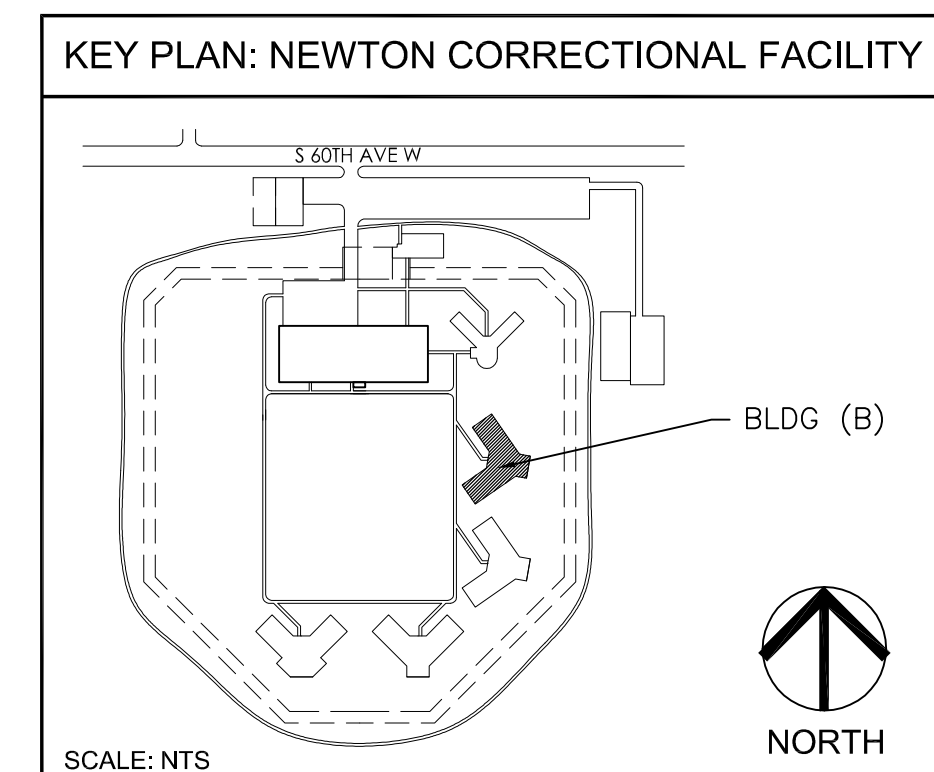
ROOF SYMBOLS & NOTES:

●	V.T.R. - VENT THRU ROOF	SEE DETAILS: 4/A2.0
○	D.V. - DRYER VENT	FIELD FABRICATED FLASHING WITH HOOD
+	L.C.P.P. - LIGHTING CABLE PROTECTION PENETRATION	SEE DETAILS: 8/A2.0
---	L.R.C. - LIGHTING ROD & CABLES	VERIFY, REMOVE & REINSTALL TO EXISTING LOCATIONS-SEE 6/A2.0
⊗	R.T.O. - EXIST ROOF TIE OFF	EXISTING TO REMAIN. -SEE DET. 7/A2.0
⊙	E.F. - EXHAUST FAN	SEE DETAIL: 5/A2.0
□	PAV. - 24" X 24" PAVER	DEMO OFFSITE
⊠	R.H. - ROOF HATCH	SEE DETAIL: 5/A2.0 SIM.
⊥	D.S. - DOWN SPOUT	REATTACH EXISTING D.S. - EXTEND OR RAISE
□	S.A. - SUPPLY AIR (AIR INTAKE)	SIM. 5/A2.0
■	W.P. - WALK PAD	PLACED 4 SIDES AT ALL EXHAUST FANS & MECH EQMT TYPICAL
⊞	G.E.J. - EXPANSION JOINT	CAPPED ENDS WITH CAP FOR EXPANSION, MAX 50 FT. SEE DETAIL 9/A2.0

EXISTING ALUMINUM ROOFING ACCESSORIES NOTES

- EXISTING ALUMINUM TRIM INCLUDES GUTTERS, FASCIA, SLOTTED DRAIN BARS, COUNTER FLASHING & DOWNSPOUTS.
- EXISTING DOWNSPOUTS TO REMAIN. EXTEND OR RAISE FOR NEW ROOF HEIGHT
- EXISTING FASCIAS TO BE REMOVED & REPLACED
- EXISTING GUTTERS TO BE REMOVED AND REPLACED. MATCH SIZE AND PROFILE.
- NEW GUTTER RUNS TO HAVE EXPANSION JOINTS EVERY 50' APART.

NOTE: BIDDERS ARE RESPONSIBLE TO INCLUDE ALL ROOF SYSTEM MATERIALS, COMPONENTS, FLASHINGS, & ACCESSORIES AS REQUIRED BY THEIR PROPOSED MANUFACTURER TO MEET THE SPECIFIED 25 YEAR WARRANTY & PERFORMANCE REQUIREMENTS.



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SHEET CONTENTS

BUILDING "B"
 ROOF PLAN

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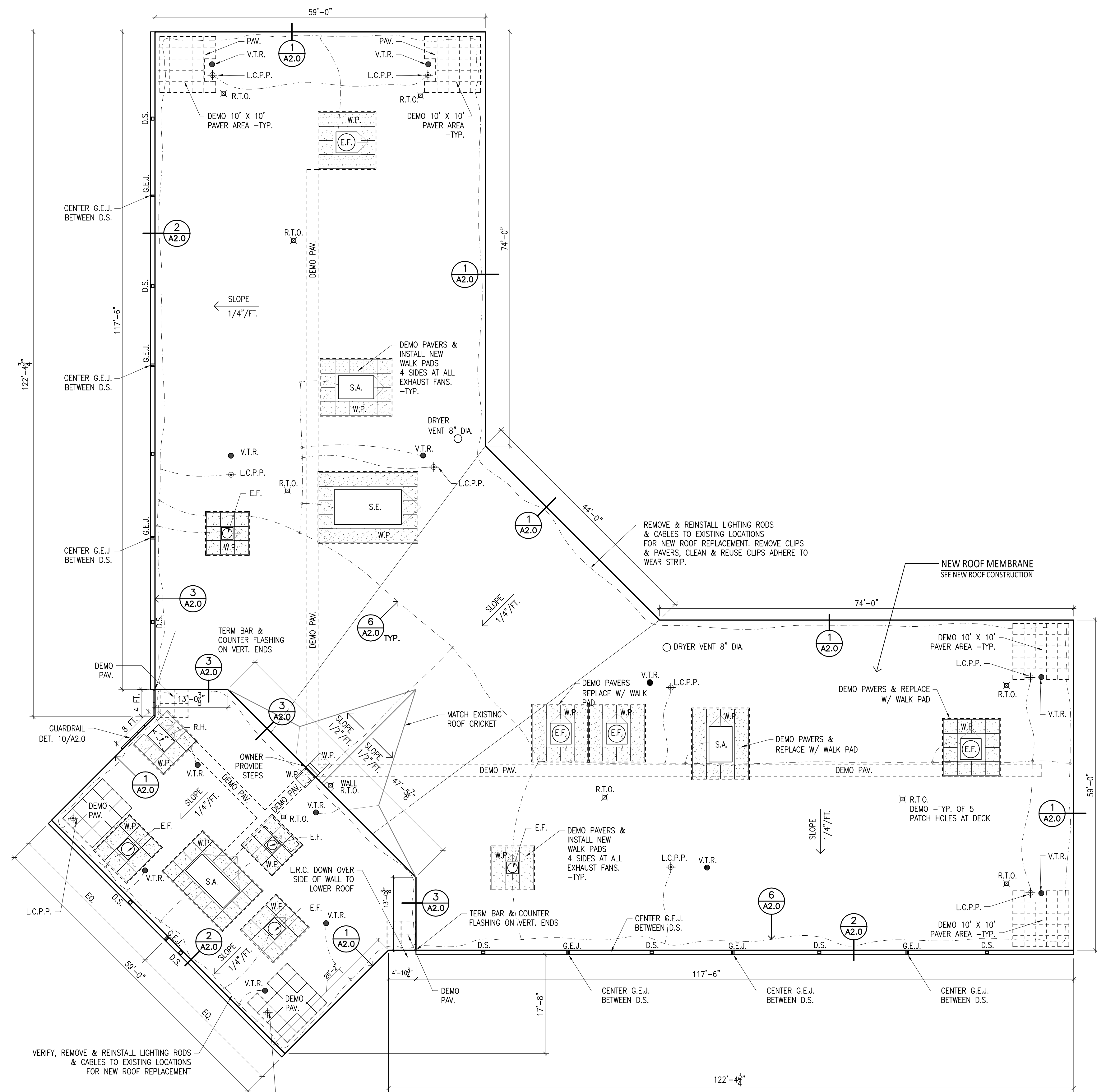
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UNIT C ROOF PLAN
SCALE: 3/32" = 1'-0"

APPROX ROOF AREA = 17,040 SF

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- REPLACE TOP 16" OF PRECAST PANEL JOINT SEALANT WHILE FASCIA IS OFF. PROVIDE HYBRID SEALANT PER SPEC.
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COLOR SELECTIONS

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- PREFINISHED METAL: ALUMINUM -CLEAR ANODIZE

EXISTING ROOF CONSTRUCTION:

EXISTING ROOF CONSTRUCTION HAS BEEN VERIFIED WITH ROOF CORE SAMPLES.

- ROCK BALLAST
 - 60 MIL. EPDM, LOOSE LAID
 - 1/2" FIBER COVER BOARD
 - 3 1/2" XPS INSULATION (2 LAYERS)
 - 1/2" SUBSTRATE BOARD
 - SLOPED CONCRETE DECK - PRECAST TEES
- EXISTING ROOF STACK HEIGHT: 4 1/2"

ROOF CLASSIFICATION:

NEW ROOF TO MEET EXISTING ROOF CLASSIFICATION "B".

NEW ROOF CONSTRUCTION:

- NEW 60 MIL. TPO -ADHERED
 - 1/2" HD COVER BOARD -ADHERED
 - 4 1/2" RIGID POLYISO INSULATION -ADHERED
 - 5/8" GYPSUM SUBSTRATE BOARD -ADHERED
 - NEW SELF ADHERED VAPOR BARRIER
 - EXISTING CONCRETE DECK (SLOPED)
- NEW ROOF STACK HEIGHT: 5 5/8"

ROOF SYMBOLS & NOTES:

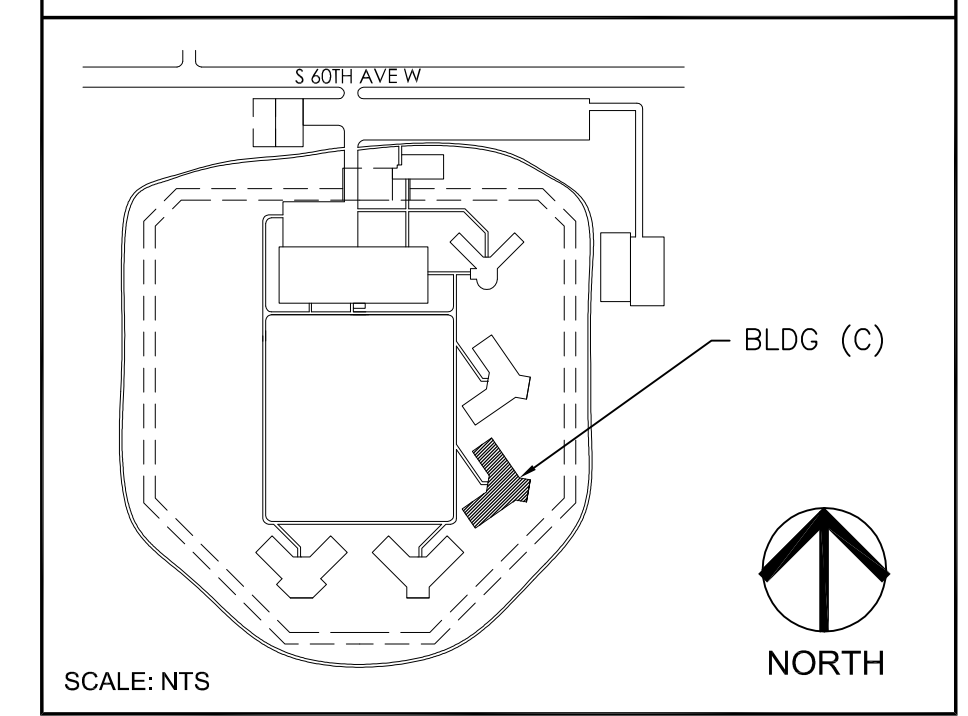
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⊕	L.C.P.P. - LIGHTING CABLE PROTECTION PENETRATION	SEE DETAILS: 8/A2.0
- - -	L.R.C. - LIGHTING ROD & CABLES	VERIFY, REMOVE & REINSTALL TO EXISTING LOCATIONS-SEE 6/A2.0
⊗	R.T.O. - EXIST ROOF TIE OFF	EXISTING TO REMAIN. -SEE DET. 7/A2.0
⊙	E.F. - EXHAUST FAN	SEE DETAIL: 5/A2.0
⊠	PAV. - 24" X 24" PAV.ER	DEMO OFFSITE
⊞	R.H. - ROOF HATCH	SEE DETAIL: 5/A2.0 SIM.
⊟	D.S. - DOWN SPOUT	REATTACH EXISTING D.S. -EXTEND OR RAISE
⊡	S.A. - SUPPLY AIR (AIR INTAKE)	SIM. 5/A2.0
⊢	W.P. - WALK PAD	PLACED 4 SIDES AT ALL EXHAUST FANS & MECH EOMT TYPICAL
⊣	G.E.J. - EXPANSION JOINT	CAPPED ENDS WITH CAP FOR EXPANSION, MAX 50 FT. SEE DETAIL 9/A2.0

EXISTING ALUMINUM ROOFING ACCESSORIES NOTES

- EXISTING ALUMINUM TRIM INCLUDES GUTTERS, FASCIA, SLOTTED DRAIN BARS, COUNTER FLASHING & DOWNSPOUTS.
- EXISTING DOWNSPOUTS TO REMAIN, EXTEND OR RAISE FOR NEW ROOF HEIGHT
- EXISTING FASCIAS TO BE REMOVED & REPLACED
- EXISTING GUTTERS TO BE REMOVED AND REPLACED. MATCH SIZE AND PROFILE.
- NEW GUTTER RUNS TO HAVE EXPANSION JOINTS EVERY 50' APART.

NOTE: BIDDERS ARE RESPONSIBLE TO INCLUDE ALL ROOF SYSTEM MATERIALS, COMPONENTS, FLASHINGS, & ACCESSORIES AS REQUIRED BY THEIR PROPOSED MANUFACTURER TO MEET THE SPECIFIED 25 YEAR WARRANTY & PERFORMANCE REQUIREMENTS.

KEY PLAN: NEWTON CORRECTIONAL FACILITY



ARCHITECT
939 OFFICE PARK ROAD
SUITE 101
WEST DES MOINES, IA 50265
TEL: 515-440-1681
FAX: 515-440-1687



ENGINEER

PROJECT TITLE

DOC NCF LU B,C & D
ROOF REPLACEMENTS
FOR THE
NEWTON CORRECTIONAL FACILITY
307 SOUTH 60TH AVENUE W
NEWTON, IA 50208

SHEET CONTENTS

BUILDING "C"
ROOF PLAN

REVISIONS

NOTE	DATE

DAS PROJECT NO.

9460.00

GENESIS PROJECT NO.

2414

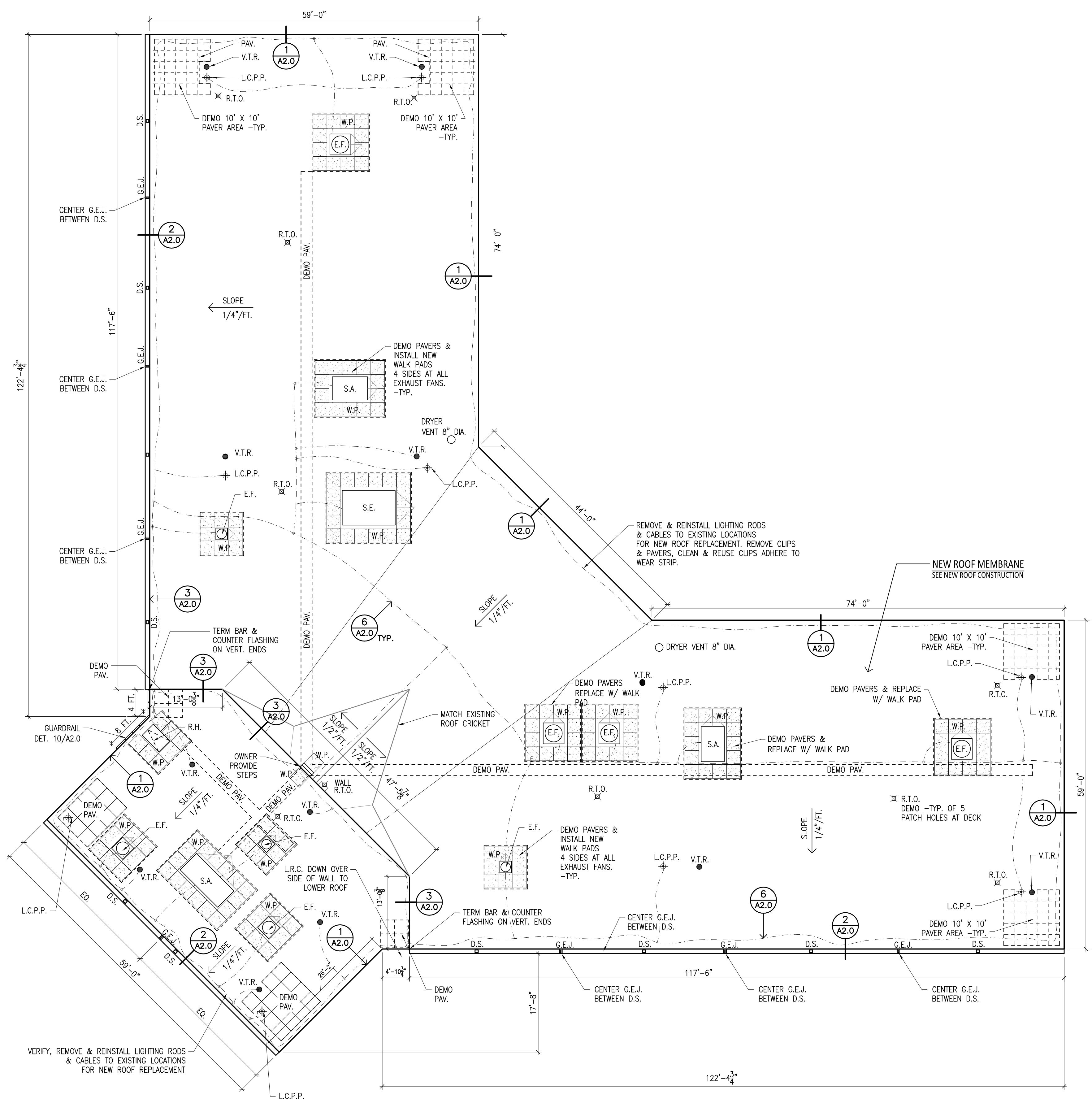
ISSUE DATE

JAN. 22, 2025

SHEET NUMBER

A1.1

4 OF: 6



UNIT D ROOF PLAN
 SCALE: 3/32" = 1'-0"
 APPROX ROOF AREA = 17,040 SF

GENERAL NOTES:

- REMOVE AND DISPOSE OFF SITE ALL EXISTING MEMBRANE, ANY WATER DAMAGE INSULATION, & METAL TRIM. CONTRACTOR TO REMOVE AGGREGATE BALLAST & PAVERS TO OUTSIDE FENCE TO OWNER'S STOCK PILE.
- DIMENSIONS & SF QUANTITIES ARE ESTIMATES ONLY. CONTRACTOR TO FIELD VERIFY ACTUAL CONDITIONS. REPORT ANY DISCREPANCIES TO ARCHITECT.
- AFTER EXISTING ROOF TEAR-OFF, CONTRACTOR TO INSPECT THE CONCRETE ROOF DECK AND GROUT JOINTS. NOTIFY ARCHITECT OR CM IF GROUT JOINTS ARE DAMAGED, SPALLED, OR HAVE CRACKS WIDER THAN 1/8". SEE UNIT COSTS FOR GROUT REPAIRS.
- DETAILS MAY VARY DEPENDING ON MANUFACTURER'S WARRANTY REQUIREMENTS. PROVIDE ALL SYSTEM COMPONENTS & ACCESSORIES TO MEET WARRANTY SPECIFICATION.
- QUANTITY, SIZE & LOCATIONS OF ALL ROOF PENETRATIONS ARE APPROXIMATED. CONTRACTOR TO FIELD VERIFY PRIOR TO PROCEEDING WITH ANY WORK.
- CONTRACTOR TO COORDINATE ALL WORK WITH OTHER TRADES AND COORDINATE SCHEDULE WITH CONSTRUCTION MANAGER.
- CONTRACTOR TO MATCH EXISTING ROOF SLOPE. ALL CRICKETS TO BE 1/2" SLOPE. PROVIDE CRICKETS AT ALL CURBED EQUIPMENT.
- CONTRACTOR IS TO REMOVE & REINSTALL LIGHTING PROTECTION CABLES & RODS. SEE UNIT COSTS FOR ROD & CLIP FOR DAMAGE / LOSS. SYSTEM RECERTIFICATION IS NOT REQUIRED.
- STORE PRIMERS & ADHESIVES OUTSIDE PRISON EXCEPT FOR DAILY USE.
- EXISTING ROOF ANCHORS ARE TO REMAIN. ADD INSULATION & BOOT OVER EXISTING.
- DURING ROOF DEMOLITION, CHECK ALL PIPE COUPLINGS ON ROOF VENTS. NOTIFY FACILITY IF ANY NEED TO BE REPLACED.
- REPLACE TOP 16" OF PRECAST PANEL JOINT SEALANT WHILE FASCIA IS OFF. PROVIDE HYBRID SEALANT PER SPEC.
- VAPOR BARRIER WILL BE A PARTIAL APPLICATION OF 3 FOOT WIDE STRIPS AROUND THE PERIMETER AND 18" WIDE STRIPS ONLY OVER THE PRECAST DECK JOINTS. PRECAST DECK JOINTS ARE 7'-4" APART.

COLOR SELECTIONS

- 60 ML. ROOF: WHITE TPO
- PREFINISHED METAL: ALUMINUM -CLEAR ANODIZE

EXISTING ROOF CONSTRUCTION:

EXISTING ROOF CONSTRUCTION HAS BEEN VERIFIED WITH ROOF CORE SAMPLES.

- ROCK BALLAST
 - 60 MIL. EPDM, LOOSE LAID
 - 1/2" FIBER COVER BOARD
 - 3 1/2" XPS INSULATION (2 LAYERS)
 - 1/2" SUBSTRATE BOARD
 - SLOPED CONCRETE DECK - PRECAST TEES
- EXISTING ROOF STACK HEIGHT: 4 1/2"

ROOF CLASSIFICATION:

NEW ROOF TO MEET EXISTING ROOF CLASSIFICATION "B".

NEW ROOF CONSTRUCTION:

- NEW 60 MIL TPO -ADHERED
 - 1/2" HD COVER BOARD -ADHERED
 - 4 1/2" RIGID POLYSO INSULATION -ADHERED
 - 5/8" GYPSUM SUBSTRATE BOARD -ADHERED
 - NEW SELF ADHERED VAPOR BARRIER
 - EXISTING CONCRETE DECK (SLOPED)
- NEW ROOF STACK HEIGHT: 5 5/8"

ROOF SYMBOLS & NOTES:

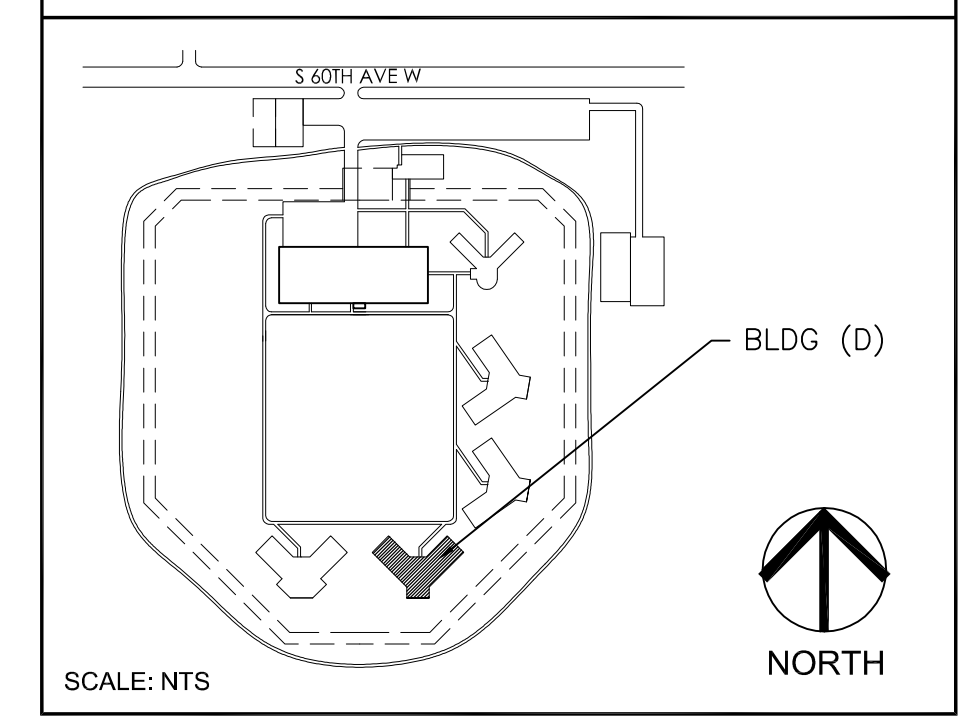
●	V.T.R. - VENT THRU ROOF	SEE DETAILS: 4/A2.0
○	D.V. - DRYER VENT	FIELD FABRICATED FLASHING WITH HOOD
+	L.C.P.P. - LIGHTING CABLE PROTECTION PENETRATION	SEE DETAILS: 8/A2.0
- - -	L.R.C. - LIGHTING ROD & CABLES	VERIFY, REMOVE & REINSTALL TO EXISTING LOCATIONS-SEE 6/A2.0
⊗	R.T.O. - EXIST ROOF TIE OFF	EXISTING TO REMAIN. -SEE DET. 7/A2.0
⊙	E.F. - EXHAUST FAN	SEE DETAIL: 5/A2.0
⊠	PAV. - 24" X 24" PAVER	DEMO OFFSITE
⊞	R.H. - ROOF HATCH	SEE DETAIL: 5/A2.0 SIM.
⊟	D.S. - DOWN SPOUT	REATTACH EXISTING D.S. -EXTEND OR RAISE
⊡	S.A. - SUPPLY AIR (AIR INTAKE)	SIM. 5/A2.0
⊢	W.P. - WALK PAD	PLACED & SIDES AT ALL EXHAUST FANS & MECH EQMT TYPICAL
⊣	G.E.J. - EXPANSION JOINT	CAPPED ENDS WITH CAP FOR EXPANSION, MAX 50 FT. SEE DETAIL 9/A2.0

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 307 SOUTH 60TH AVENUE W
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SHEET CONTENTS

BUILDING "D"
 ROOF PLAN

REVISIONS

NOTE	DATE

DAS PROJECT NO.

9460.00

GENESIS PROJECT NO.

2414

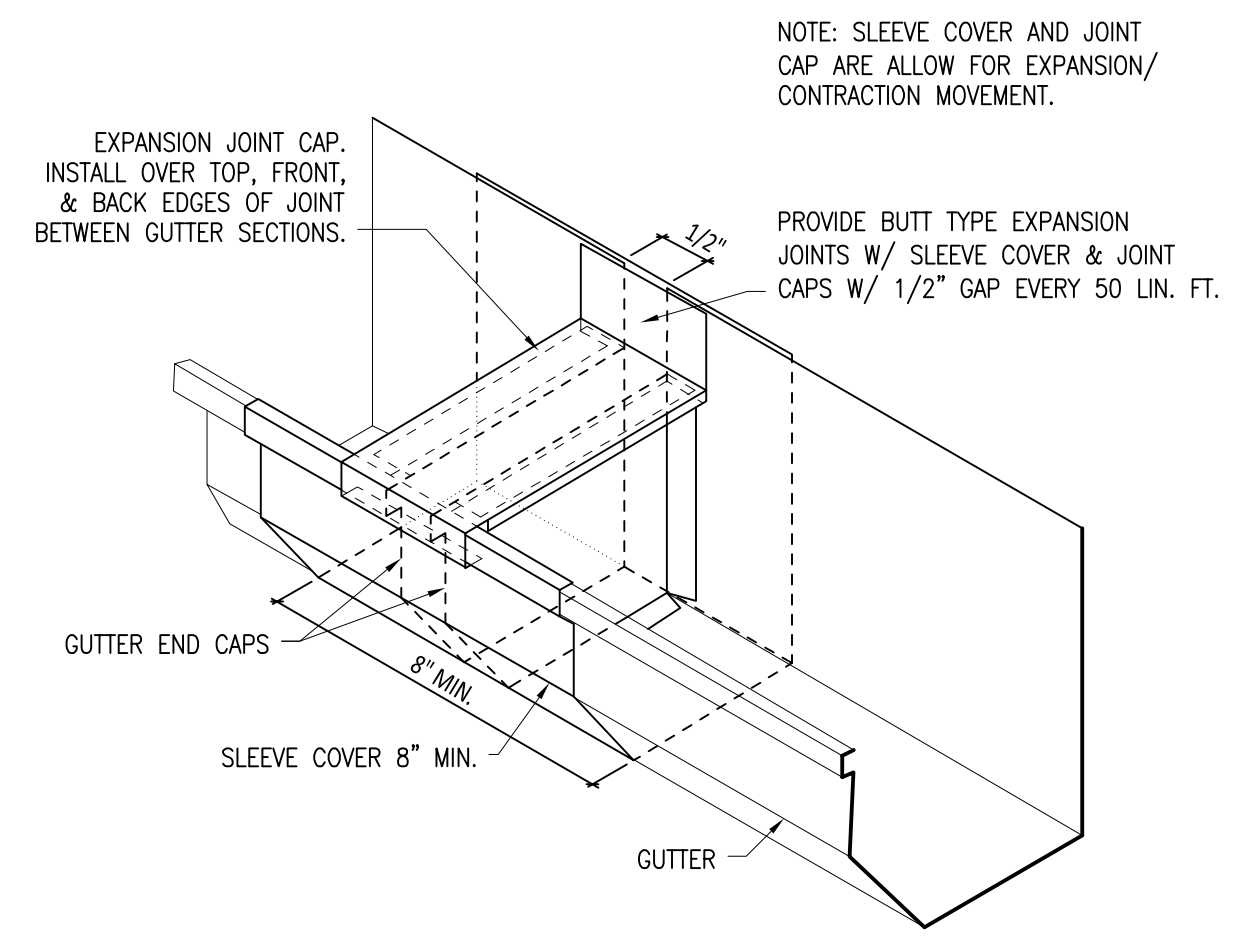
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JAN. 22, 2025

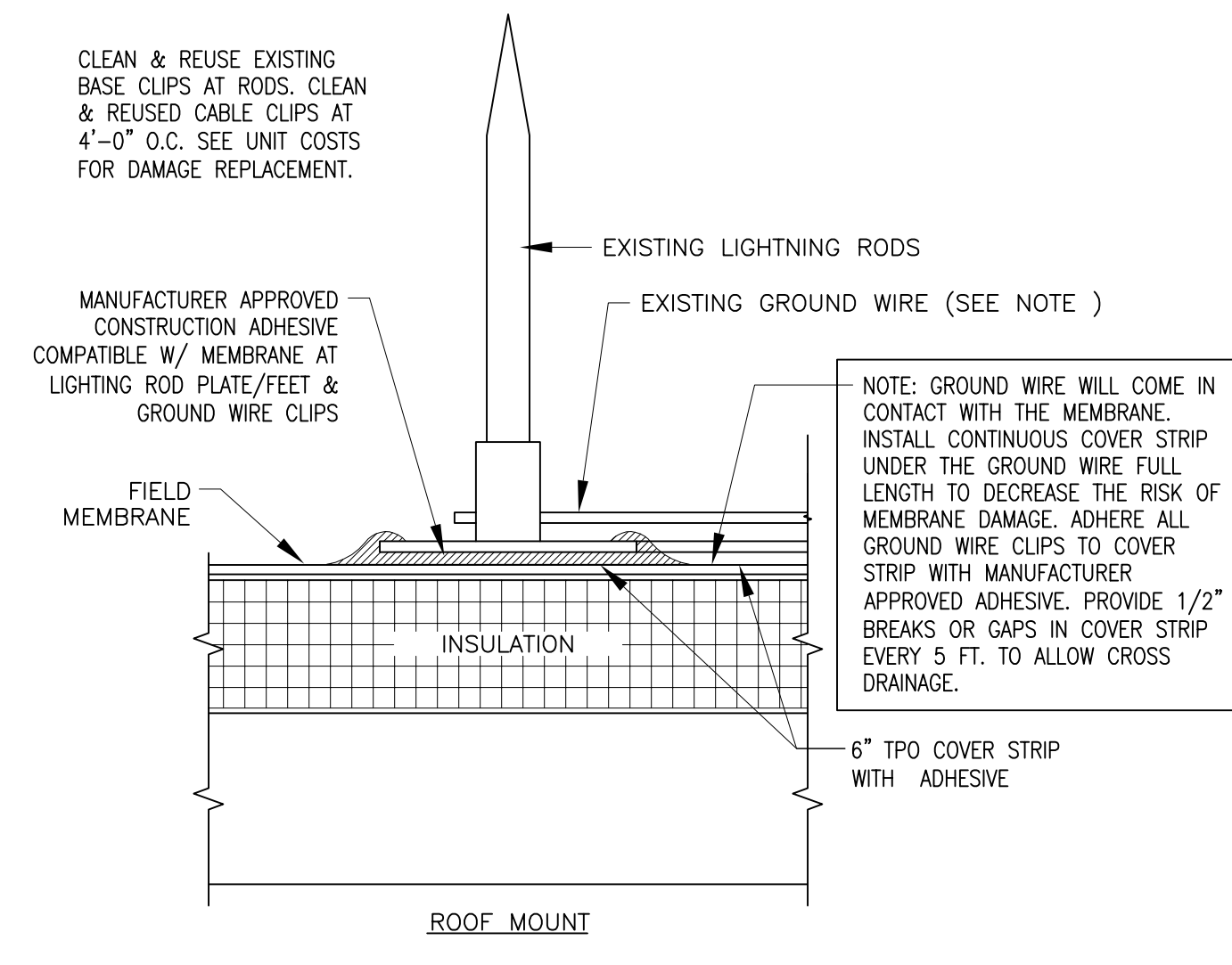
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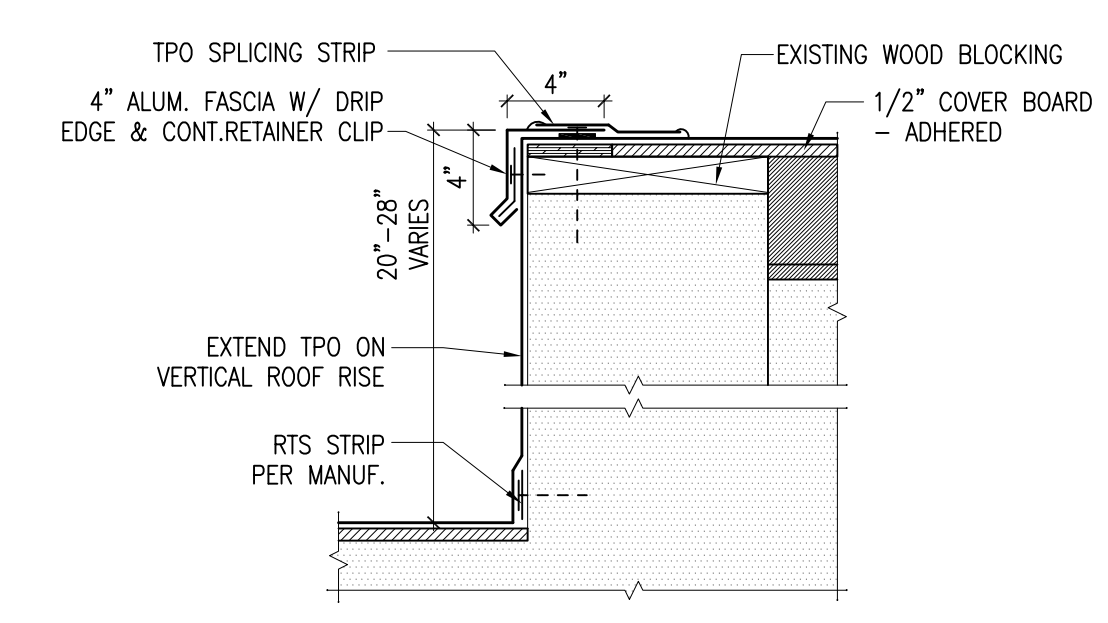
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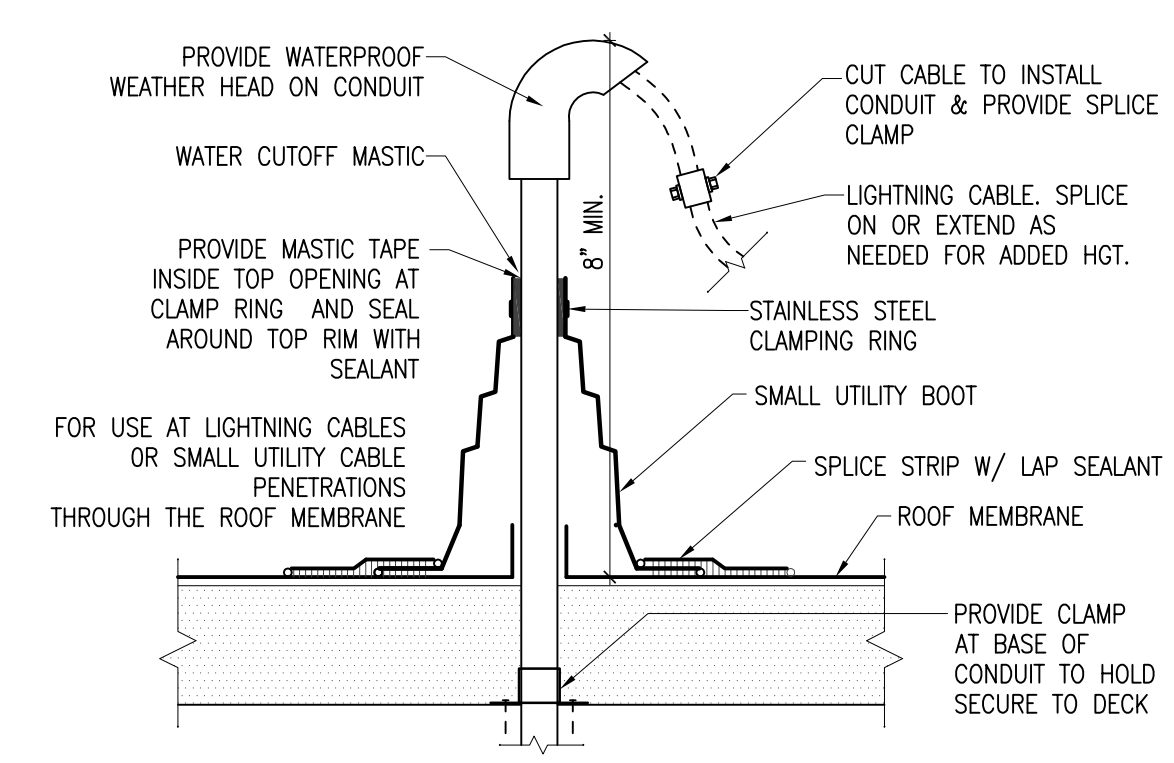
TYP. GUTTER EXPANSION JOINT
 SCALE: N.T.S. **9**
 A2.0



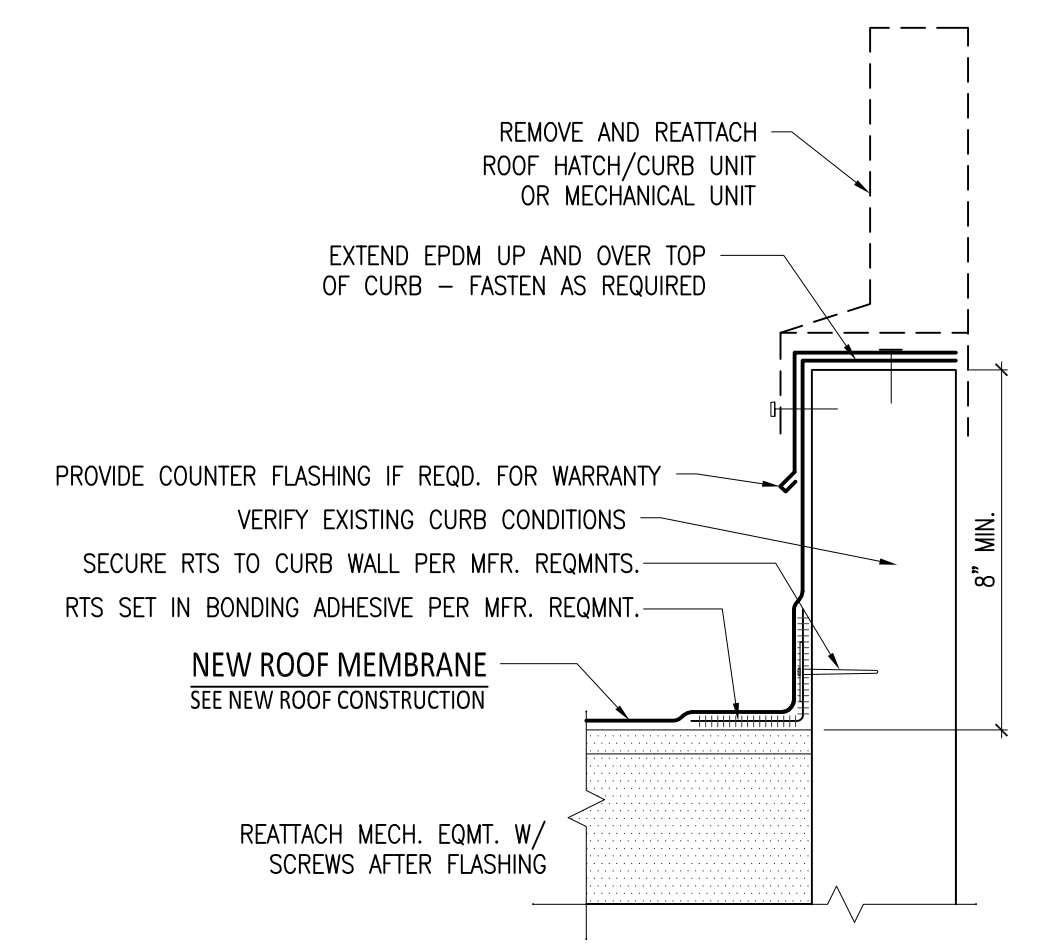
LIGHTNING PROTECTION DETAIL
 SCALE: NO SCALE **6**
 A2.0



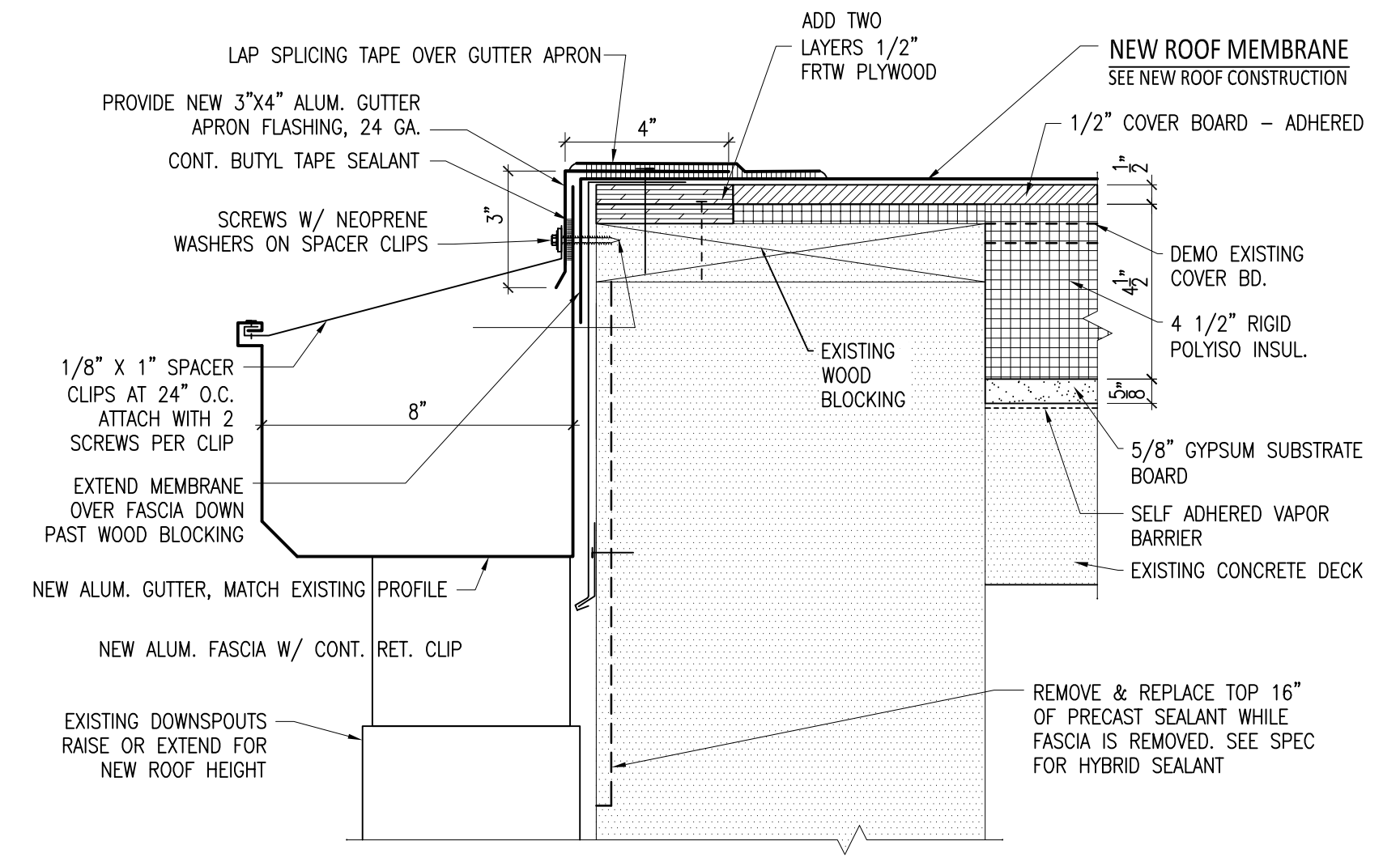
RAISED ROOF FASCIA DETAIL
 SCALE: 1 1/2" = 1'-0" **3**
 A2.0



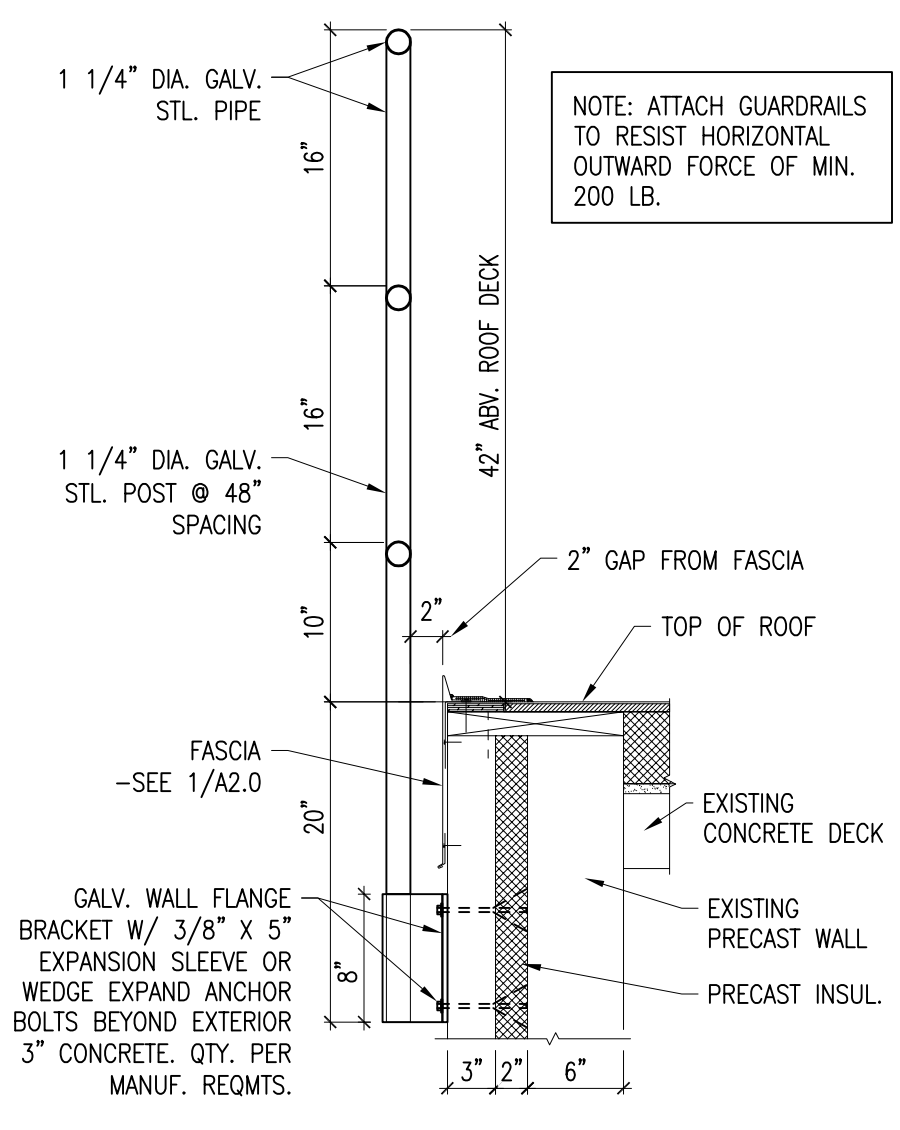
SMALL CABLE BOOT FLASHING
 SCALE: 1 1/2" = 1'-0" **8**
 A2.0



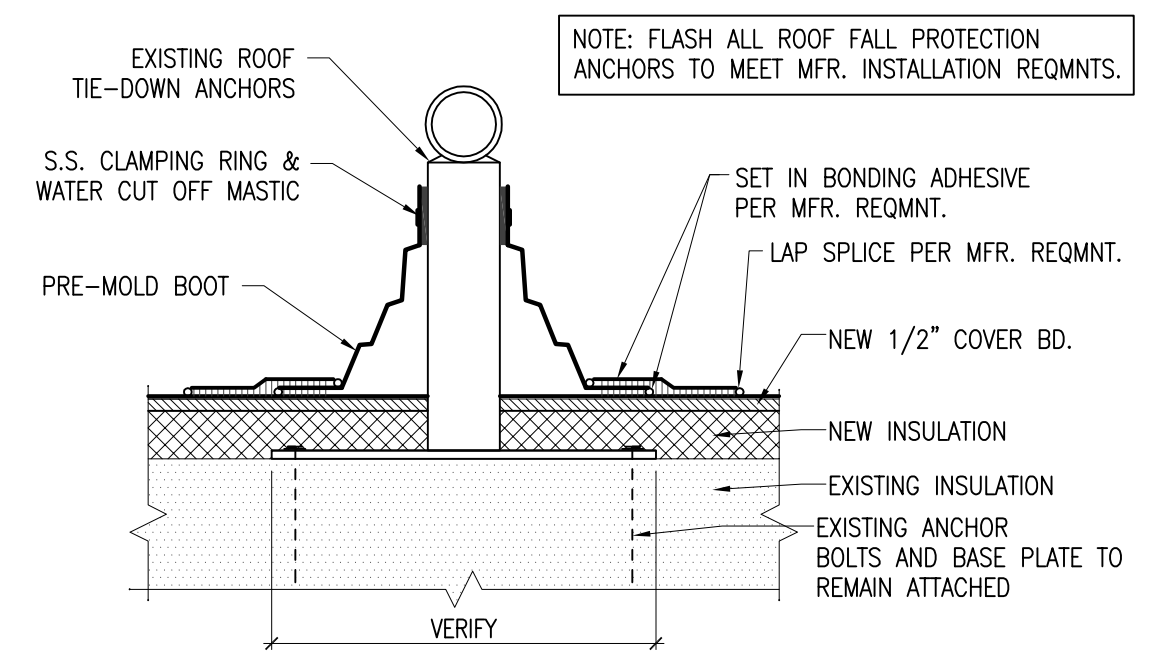
EXISTING MECH. CURB DETAIL
 SCALE: 3 = 1'-0" **5**
 A2.0



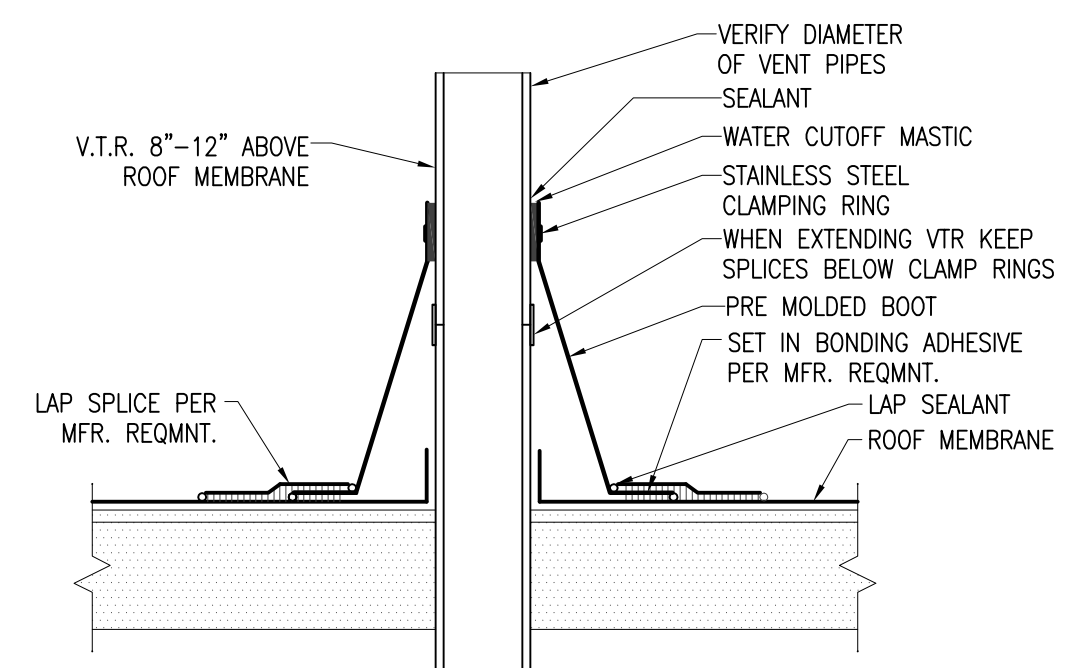
GUTTER DETAIL
 SCALE: 3 = 1'-0" **2**
 A2.0



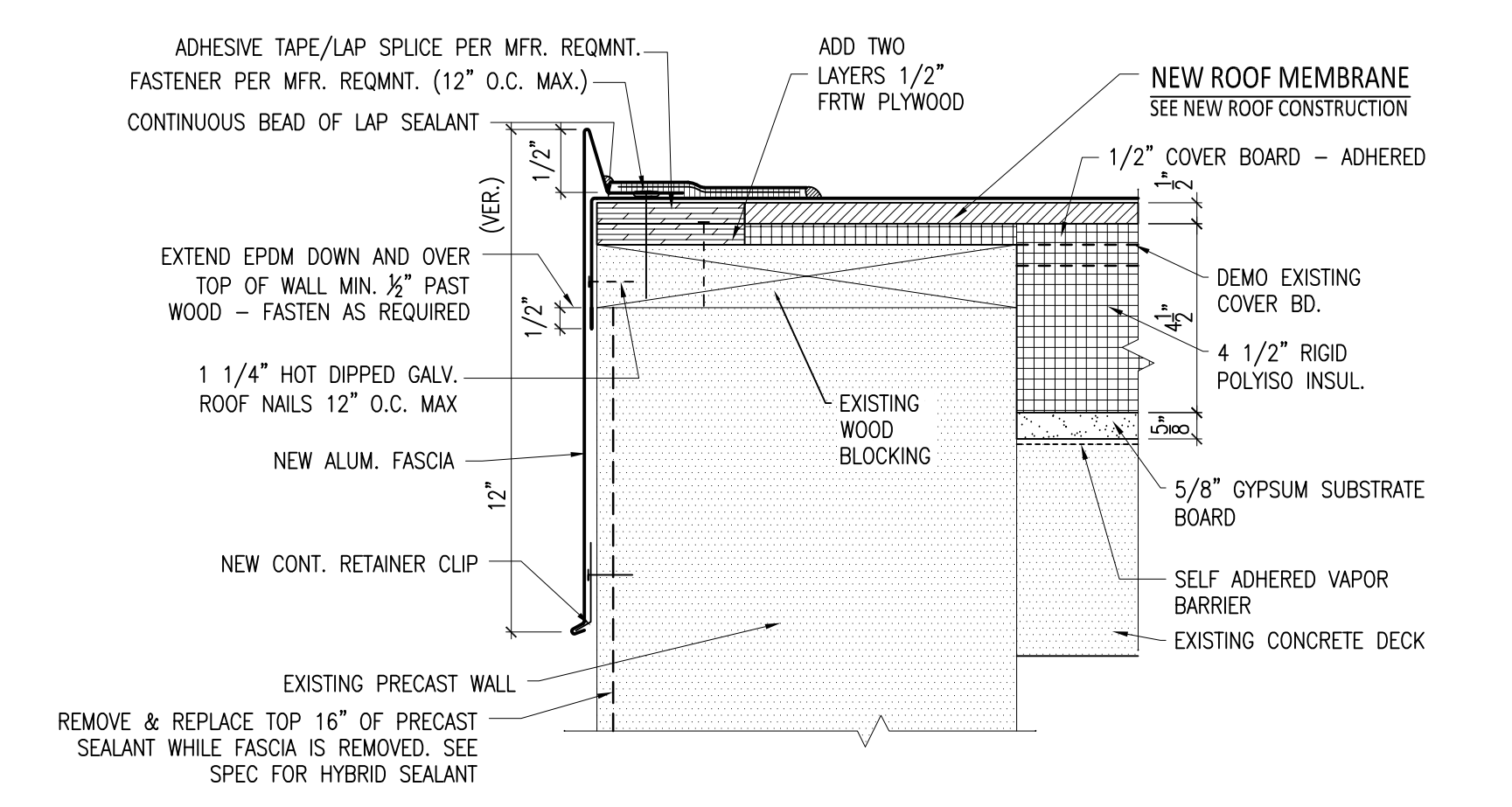
FIXED WALL MOUNTED GUARDRAIL DETAIL
 SCALE: 1 = 1'-0" **10**
 A2.0



EXISTING ROOF ANCHOR DETAIL
 SCALE: 1 1/2" = 1'-0" **7**
 A2.0



VTR FLASHING DETAIL
 SCALE: 1 1/2" = 1'-0" **4**
 A2.0



FASCIA DETAIL
 SCALE: 3 = 1'-0" **1**
 A2.0