

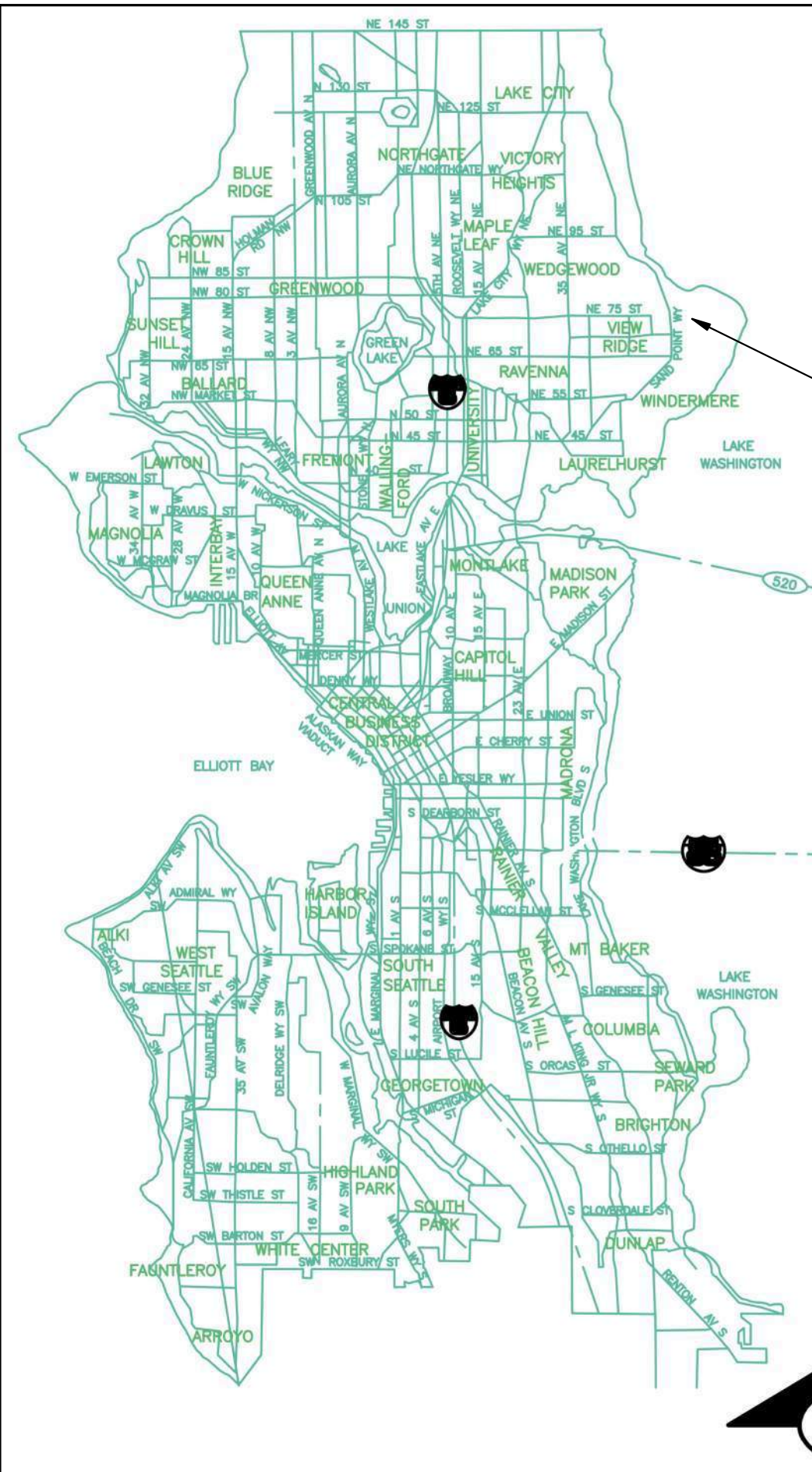
Magnuson Building #2

Partial Roof & Structural Repairs

PROJECT ADDRESS

7727 63RD AVE NE
SEATTLE, WA 98115

PROJECT LOCATION



VICINITY MAP

LOCATION MAP

CITY OF SEATTLE - NOT TO SCALE

PR # 2020-033 Project # PRK730300-142

Funding Source: Seattle Parks District

Owner:

City of Seattle Department of Finance & Administrative Services,
City Purchasing & Contracting Services

Administering Department:

City of Seattle Department of Parks and Recreation, Planning & Development Division
100 Dexter Ave N, Seattle WA 98109

Project Manager: Kelly Goad

Project Design Team:

Structural Engineer:
PSM Engineering
2200 6th Avenue, Suite #601
Seattle, WA 98121

Architect:
OAI, PS
1011 SW Klickitat Way, Suite 208
Seattle, WA 98134

Ron Martinson, P.E.
TEL: (206) 622-4580

Jerry Osborn | AIA
TEL: (206) 920-6348

SDCI PERMIT SUBMITTAL

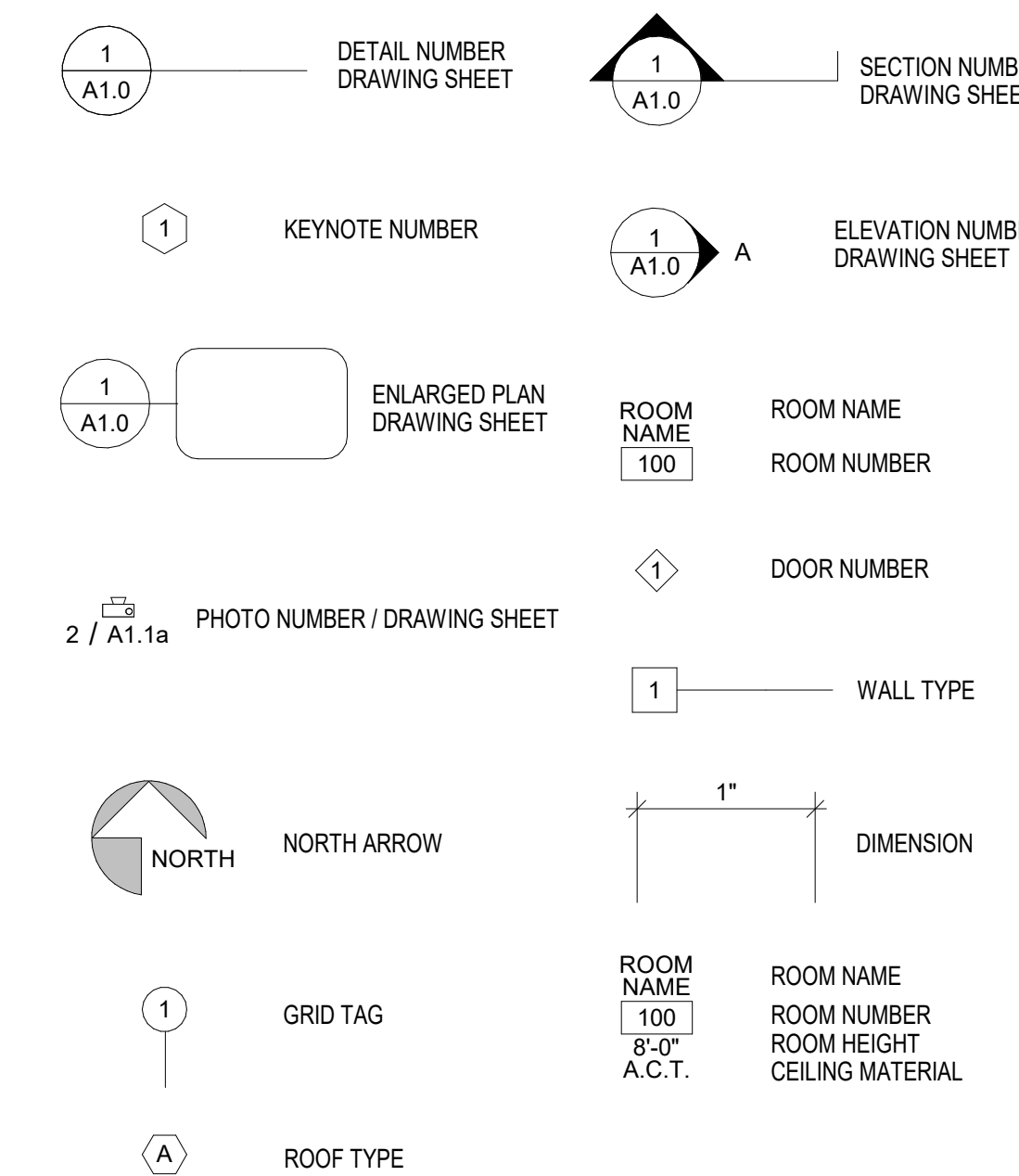
STANDARD ABBREVIATIONS

Aban	Abandon(ed)	Gal	Gallon	Qty	Quantity
Adj	Adjust	GPM	Gallons Per Minute	R	Radius
ADA	Americans with Disabilities Act	Galv	Galvanize/Galvanized	RR	Railroad
AIC	Aerial Interconnect	GIP	Galvanized Iron Pipe	Riwy	Railway
Al	Aluminum	GSP	Galvanized Steel Pipe	Reconn	Reconnect
AP	Angle Point	GM	Gas Meter	Red	Reducer
Approx	Approximate	G Reg	Gas Regulator	Ref	Refer/Reference
Asph	Asphalt	Gas V	Gas Valve	Reinf	Reinforcing/Reinforcement
ABW	Asphalt Bike Way	Gr	Grade	RCF	Reinforced Concrete Pipe
ATB	Asphalt Treated Base	Grnd	Ground	Reloc	Relocate
ACV	Automatic Control Valve	GP	Guy Pole	Rem	Remove and Replace
AVB	Automatic Vacuum Breaker	HH	Handhole	R&R	Replace
Ave	Avenue	HPG	High Pressure Gas	Repl	Replace
Av	Average	HPS	High Pressure Sodium	Req'd	Required
BV	Ball Valve	Horiz	Horizontal	Ret	Retire(d)
BCC	Beginning of Curb	HB	Hose Bib	Rt	Right
BO	Blow Off	HC	Hose Connection	R/W	Right of Way
BF	Bottom Face	Hse	House	RGS	Rigid Galvanized Steel
Br	Brick	Hyd	Hydrant	RS	Rigid Steel
Bkhd	Butterfly Valve	In	Inch/Inches	Rdwy	Roadway
CB	Cable	Inl	Inlet	RD	Roof Drain
Cal	Caliper	ID	Inside Diameter	SB	Sand Box
CIP	Cast Iron Pipe	Inv	Invert Elevation	SC	Seattle City Light
CB	Catch Basin	Inv	Invert (Line)	SED	Seattle Engineering Dept.
CL	Center Line	IP	Iron Pipe	SWD	Seattle Water Department
C-C	Center to Center	Irr	Irrigation	Sub	Subgrade
CLF	Chain Link Fence	IRC	Irrigation Controller	SD	Service Drain
Ch	Chamber	Irrg	Irrigation	Sh	Sheet
CI	Class	Irrg	Irrigation Head	SH	Side Sewer - Combined
CO	Clean Out	J	Joint	S	Side Sewer - Sanitary
Clr	Clearance	JB	Junction Box	S	Sleeve
Conc	Concrete	KV	Kilovolt	Spec	Specification(s)
CBW	Concrete Bike Way	LT	Large Inlet Top	SH	Sprinkler Head
CC	Concrete Culvert	LP	Light Pole	Sq	Square
CW	Concrete Walk	LF	Lineal Feet	Std	Standard
Cond	Condition	Loc	Location/Locate	Stl	Steel Pipe
Cd	Conduit	Loc	Location/Locate	St	Street
Conn	Connect	MH	Manhole	SDS	Street Designation Sign
CMP	Corrugated Metal Pipe	MCV	Manual Control Valve	SLH	Street Light Handhole
Cont	Continuous	MDV	Manual Drain Valve	SNS	Street Name Sign
C	Cross	Max	Maximum	Struct	Structure/Structure
Cu Ft	Cubic Feet	MJ	Mechanical Joint	SL	Survey Line
Cu Yd	Cubic Yard	MV	Mercury Vapor Light	T	Te
Culv	Culvert	Min	Minimum	Tel	Telephone
C&G	Curb and Gutter	Misc	Miscellaneous	TcB	Telephone Cable
CR	Curb Radius	ML	Monument Line	Tcd	Telephone Conduit
Dept	Department	NIC	Not In Contract	Top of Curb	Top of Curb
Dia	Diameter	NTS	Not To Scale	TH	Telephone Handhole
DB	Direct Burial Cable	No.	Number	TVCB	Television Cable
DGV	District Gate Valve	OC	On Center	TVH	Television Handhole
DCV	Double Check Valve	On	On Center	Temp	Temporary
Dwy	Driveway	OS	Outside Diameter	TH	Testhole
DIP	Ductile Iron Pipe	Pav	Pavement	TF	Top Face
Ea	Each	PPB	Pedestrian Push Button	Tr	Traffic
Eamt	Easement	PP	Perforated Drain Pipe	TrCb	Traffic Cable
Ecc	Eccentric	PS	Pipe Sewer Combined	Tcd	Traffic Conduit
Elec	Electric/Electrical	PSS	Pipe Sewer Sanitary	TOCH	Traffic Handhole
ECb	Electric Cable	PSD	Pipe Storm Drain	TRSB	Traffic Signal Box
Ed	Electric Conduit	PSDD	Pipe Storm Drain Detention	TSP	Traffic Signal Pole
ED	Electric Duct	PE	Plain End	XP	Transmission Pole
EMH	Electric Manhole	PL	Plate	Typ	Typical
EV	Electric Vault	PCC	Point of Compound Curvature	VCh	Valve Chamber
Elev	Elevation	PC	Point of Curvature	V/Var	Variable
Encl	Enclosure	PI	Point of Intersection	Vert	Vertical
EOC	End of Curb	PRC	Point of Reverse Curve	VB	Valve Box
Eq	Equal	PT	Point of Tangency	V/C	Vertical Curve
Ex	Existing	PVC	Polyvinyl Chloride	W	Water
Exp	Expansion	LBS	Pounds	WM	Water Meter
FLP	Field Light Pole	PP	Power Pole	WCR	Wheel Chair Ramp
Fig	Figure	PPL	Power Pole with Light	w/	With
FF	Finished Floor	PRV	Pressure Reducing Valve	WP	Wood Pole
FG	Finish Grade	PVB	Pressure Vacuum Breaker	WSP	Wood Stave Pipe
FS	Finished Surface (paving)	PL	Property Line		
FM	Force Main	Prop	Proposed		

GENERAL NOTES

- ALL WORK TO BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE CODES, LAWS AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION OVER THE WORK.
- CONTRACTOR TO VERIFY ALL DIMENSIONS, PROPERTY LINES, MEASUREMENTS AND CONDITIONS IN THE FIELD BEFORE BEGINNING WORK. ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
- THE ARCHITECT WILL HAVE A REPRESENTATIVE ON SITE, PART-TIME TO OBSERVE THE CONSTRUCTION FOR COMPLIANCE WITH THE DESIGN INTENT AND TO ASSIST THE CONTRACTOR IN RESOLVING VARIATIONS IN THE EXISTING CONSTRUCTION. THESE DOCUMENTS ADDRESS ALL KNOWN CONDITIONS, BUT IT IS ANTICIPATED THAT HIDDEN CONDITIONS WILL BE ENCOUNTERED DURING CONSTRUCTION. THE ARCHITECT WILL OBSERVE ALL SUCH HIDDEN CONDITIONS AND ISSUE CLARIFICATIONS OR MODIFICATIONS OF THE DESIGN TO ADDRESS SUCH CONDITIONS AND WILL DOCUMENT ALL CHANGES.
- UNLESS OTHERWISE NOTED, ALL ANGLES TO BE RIGHT ANGLES, ALL LINES WHICH APPEAR PARALLEL ARE TO BE PARALLEL, AND ALL ITEMS WHICH APPEAR CENTERED ARE TO BE CENTERED. CONTRACTOR TO BE RESPONSIBLE FOR MAINTAINING ALL LINES TRUE, LEVEL, PLUMB AND SQUARE.
- DETAILED AND/OR LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER GENERAL AND SMALLER SCALE DRAWINGS. POSTED DIMENSIONS WILL TAKE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR TO VERIFY SCALED DIMENSIONS WITH ARCHITECT BEFORE PROCEEDING WITH WORK.
- ALL ATTACHMENTS, CONNECTIONS AND FASTENINGS OF ANY NATURE ARE TO BE PROPERLY AND PERMANENTLY SECURED IN CONFORMANCE WITH THE BEST PRACTICES OF THE BUILDING INDUSTRY. DRAWINGS SHOW ONLY SPECIAL REQUIREMENTS TO ASSIST THE CONTRACTOR AND DO NOT SHOW EVERY DETAIL.
- DETAILS SHOWN IN THESE DRAWINGS ARE TYPICAL AND WILL APPLY UNLESS OTHERWISE NOTED OR SHOWN. DETAILS OF CONSTRUCTION NOT FULLY SHOWN ARE TO BE OF THE SAME NATURE AS THOSE DRAWN FOR SIMILAR CONDITIONS.
- CONTRACTOR TO COORDINATE ALL OPERATIONS WITH OWNER, INCLUDING: SITE ACCESS, MATERIALS STORAGE AND STAGING, INTERRUPTION OF ELECTRICAL MECHANICAL, FIRE-ALARM, LOW-VOLTAGE SERVICES AND TIMING OF NOISY OR DISRUPTIVE OPERATIONS. CONTRACTOR TO VERIFY SEQUENCE OF WORK WITH OWNER.
- ALL LUMBER OR PLYWOOD IN CONTACT WITH CONCRETE OR LUMBER INSTALLED AS NAILERS (EXCEPT PLYWOOD DECK OR CRICKETS) SHALL BE PRESSURE-TREATED WITH WATER-BORNE PRESERVATIVES.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DUST BARRIERS AT ALL WORK LOCATIONS AND DURING ALL PHASES OF THE WORK.

DRAWING SYMBOLS



DRAWING INDEX

GENERAL PROJECT SHEETS	
A0.1a	COVER SHEET
A0.2a	OVERALL SITE PLAN
G0.1	STANDARD TREE PROTECTION, STORMWATER CONTROL DETAILS
G0.2	STANDARD STORMWATER CONTROL DETAILS
SCHEDULE A: BUILDING #2 - ROOF AND STRUCTURAL REPAIRS	
A0.3a	BUILDING #2 - SCOPE OF WORK SUMMARY AND CODE ANALYSIS
D1.0a	BUILDING #2 - ROOF DEMOLITION PLAN
D2.0a	BUILDING #2 - DEMOLITION ELEVATIONS
D5.0a	BUILDING #2 - DEMOLITION PHOTO DETAILS
D5.1a	BUILDING #2 - ROOF DETAILS
A1.0a	BUILDING #2 - ROOF REPLACEMENT PLAN
A1.1a	BUILDING #2 - ROOF DECK REPLACEMENT PLAN
A1.2a	BUILDING #2 - ROOF REPAIR PLAN - NORTH
A1.3a	BUILDING #2 - ROOF REPAIR PLAN - SOUTH
A2.0a	BUILDING #2 - EXTERIOR ELEVATIONS
A2.1a	BUILDING #2 - EXTERIOR ELEVATIONS
A3.0a	BUILDING #2 - BUILDING SECTIONS
A5.0a	BUILDING #2 - ROOF DETAILS
A5.1a	BUILDING #2 - ROOF DETAILS
A5.2a	BUILDING #2 - ROOF PHOTO DETAILS
S1.0a	BUILDING #2 - STRUCTURAL NOTES & SPECIAL INSPECTIONS
S2.0a	BUILDING #2 - STRUCTURAL ROOF FRAMING PLAN
S3.0a	BUILDING #2 - STRUCTURAL SECTIONS AND DETAILS

APPROVED FOR ADVERTISING:
Liz Alzeer
City Purchasing & Contracting Services

Seattle, Washington _____ 20____

Signature: _____
Director, Purchasing & Contracting Services Division

NO.	REVISION - AS BUILT	DATE
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2		
1		

REVIEWED: _____ DATE _____
PARK ENGINEER

All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.



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p. (206) 920-6348 | http://www.oaipr.com



WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS

COVER SHEET

DESIGNED	JJM	DATE	06/08/2022
DRAWN	JJM		
CHECKED	KN	SHEET	1 OF 22

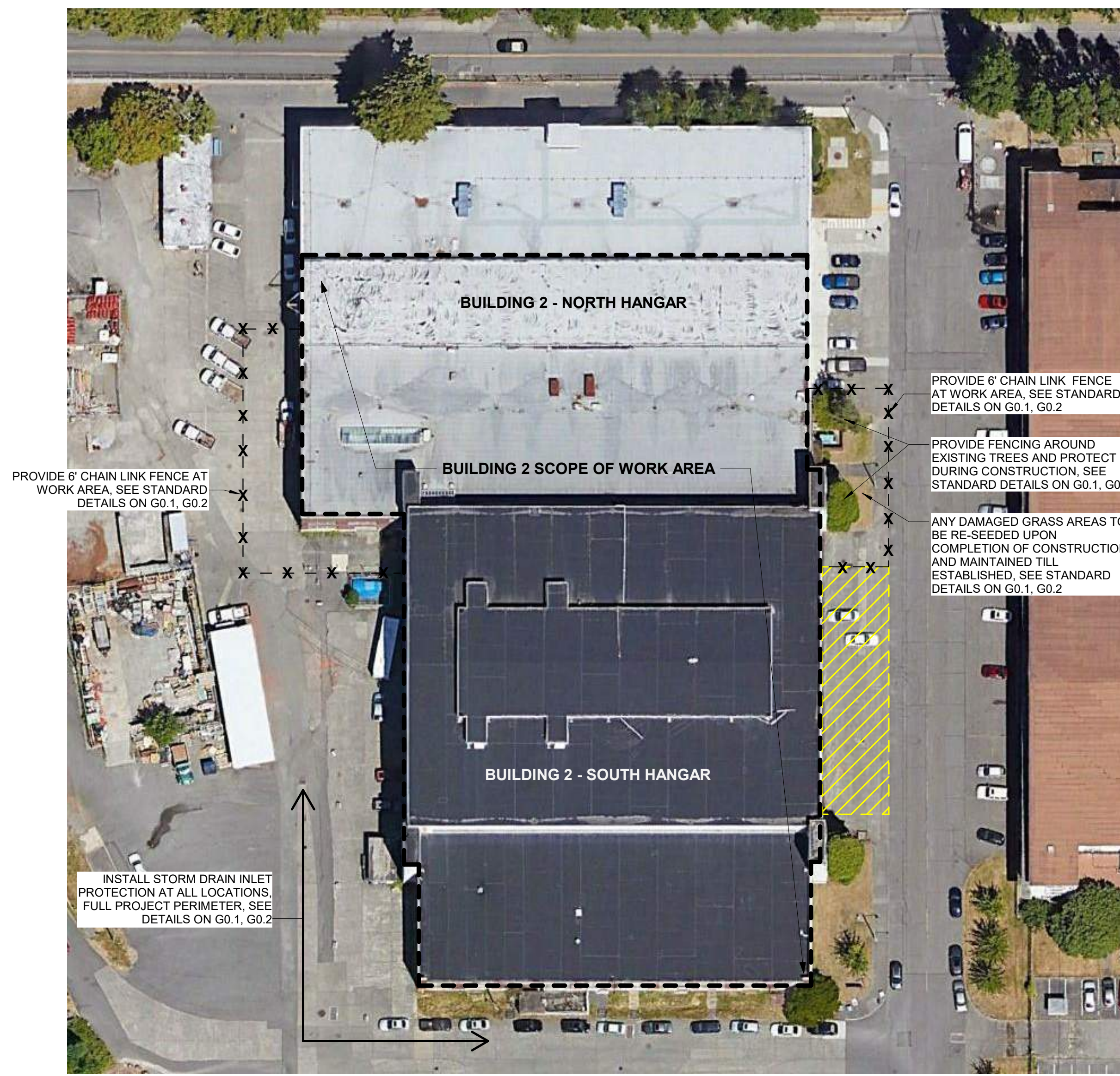
ORDINANCE NO. PRK730300-142
CONTRACT NO. PR2020-033

A0.1a

SCALE 12" = 1'-0" (U.N.O.)



1 A0.2a NTS
MAGNUSON PARK - OVERALL CAMPUS MAP



2 A0.2a NTS
BUILDING 2 - AERIAL SITE PLAN (NTS)

>>>>CAUTION - CALL 811<<<<
UTILITY NOTIFICATION CENTER
BEFORE YOU DIG!
WWW.CALL811.COM

Also, verify all underground utilities not located by the 811 service by using a commercial location service and call SPR Inspection Request Line (206) 684-7034.

RECORD DRAWING
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1		
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
PARK ENGINEER _____ DATE _____

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6273 REGISTERED ARCHITECT
Jerry D. Osborn
JERRY D. OSBORN
STATE OF WASHINGTON



1011 SW Klickitat Way, Ste #208 | Seattle, WA 98134
p. (206) 631-8442 | http://www.oaip.com



WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS

OVERALL SITE PLAN

DESIGNED	JJM	DATE	08/08/2022
DRAWN	JJM		
CHECKED	JDO	SHEET	2 OF 22

ORDINANCE NO. PRK730300-142
CONTRACT NO. PR2020-033
SCALE As Indicated (U.N.O.)

A0.2a

G:\Shared drives\ARCH - Projects\Seattle\11 Seattle Parks\2019\1911.04 Magnuson Building 2 Roof\Drawings\Rev\Mag Bldg #2 Permit\Submittal 20 Jul.rvt 8/8/2022 2:41:12 PM

CODE SUMMARY:

PROJECT NAME: BUILDING 2 - PARTIAL ROOF AND STRUCTURAL REPAIRS
PROJECT ADDRESS: 7727 63RD AVE NE SEATTLE, WA 98115
KING COUNTY PARCEL #: 022504-9062
SDCI PARCEL #: DV0065879
LEGAL DESCRIPTION: PORTION STR 02-25-04 DESCRIBED AS FOLLOWS: COMMENCING AT QTR CORNER COMMON TO SECTIONS 2 & 11-25-04 TH N15-58-06 W 2978.33 FT TO CONCRETE MONUMENT STAMPED 10 AS SET BY NOAA TH N 89-57-50 E 690.52 FT TO CONCRETE MONUMENT STAMPED 9 TH S 00-01-58 E 546.89 FT TO TPOB TH CONTG S 00-01-58 E 276.81 FT TO CONCRETE MONUMENT STAMPED 10-6 TH N 89-57-50 E 447.35 FT TO CONCRETE MONUMENT STAMPED 10-5 TH N 20-12-50 E 298.36 FT TH S 89-38-18 W 550.63 FT TO TPOB TGV PORTIONS STR 02-25-04 AS DESCRIBED IN DEED TO CITY OF SEATTLE UNDER REC NO 9905041194 AS PARCEL 1-LOT A, PARCEL 1-LOT B, PARCEL 1-LOT C, PARCEL 1-LOT D, PARCEL 1-LOT E, PARCEL 3-LOT E, PARCEL 6-LOT A, PARCEL 6-LOT B, PARCEL 6-LOT C, PARCEL 6-LOT D, PARCEL 6-LOT F, PARCEL 6-LOT G, & PARCEL 6B WESTERN SEGMENT
PROJECT DESCRIPTION: ALTERATION/REPAIR
SCOPE OF WORK: PARTIAL ROOF AND STRUCTURAL REPAIRS TO A PORTION OF BUILDING #2.
JURISDICTION: CITY OF SEATTLE DEPARTMENT OF CONSTRUCTION AND INSPECTIONS 700 5TH AVE, SUITE 2000 SEATTLE, WA 98104 P. (206) 684-8600
BUILDING CODE EDITION: 2018 SEATTLE BUILDING CODE (SBC) 2018 SEATTLE ENERGY CODE - COMMERCIAL (SEC-C) 2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
CONSTRUCTION TYPE: ORIGINAL UNKNOWN, BUILT IN 1929 AND 1941.
DATES BUILT: 1929 - NORTH HANGAR 1941 - SOUTH HANGAR
OCCUPANCY: ORIGINAL - AIRCRAFT STORAGE AND REPAIR CURRENT - UNOCCUPIED
SQUARE FEET: 105,500 SQFT - OVERALL BUILDING #2 FOOTPRINT 22,540 SQFT - PORTION OF WORK UNDER THIS PROJECT

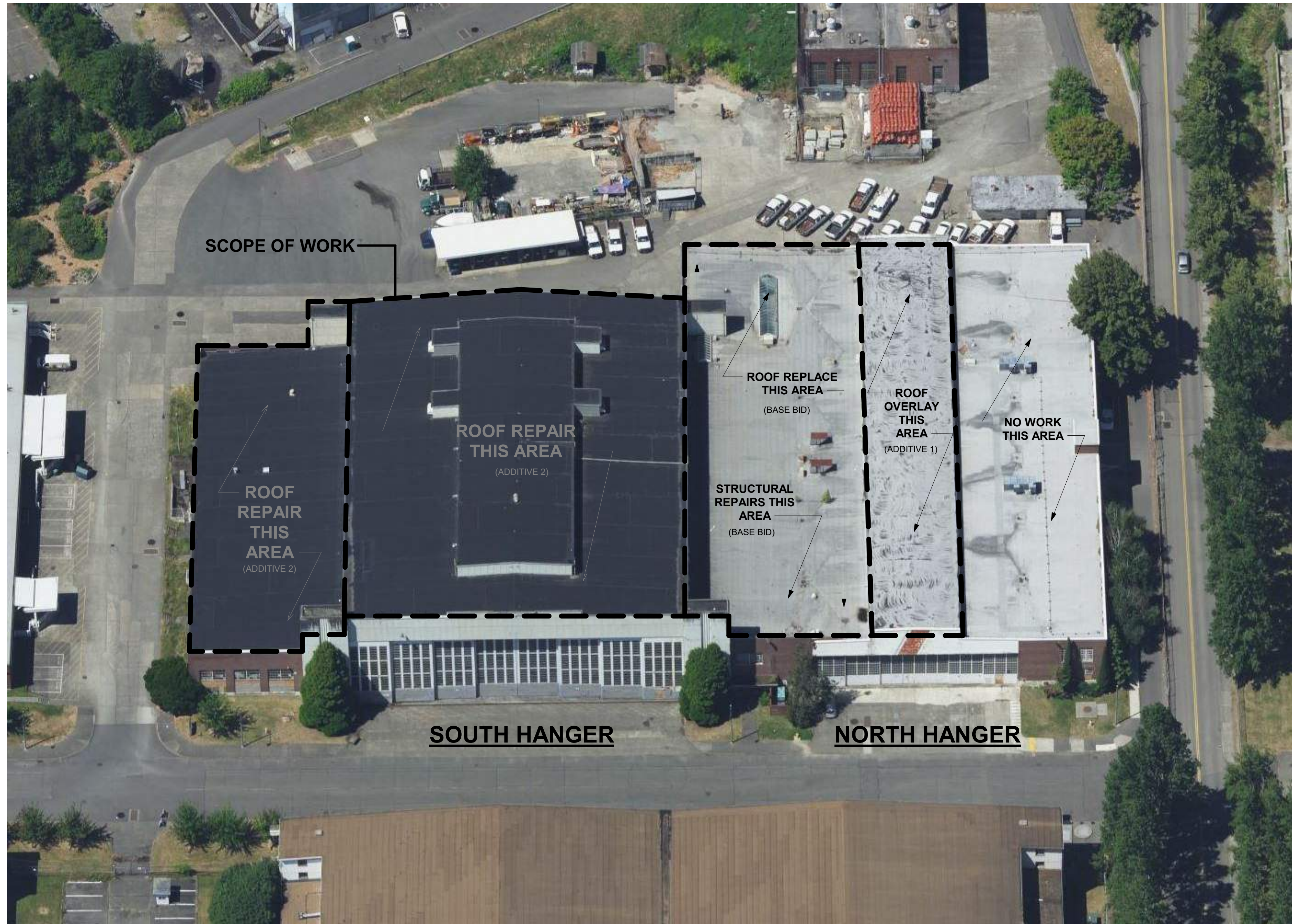
CONTACT INFORMATION:

OWNER: CITY OF SEATTLE DEPARTMENT OF PARKS AND RECREATION PLANNING AND DEVELOPMENT DIVISION 100 DEXTER AVE N SEATTLE, WA 98109 P. (206) 684-4075
CONTACT: KELLY GOOLD, PROJECT MANAGER E. Kelly.Goold@seattle.gov
ARCHITECT: OAI, PS 1011 SW KLIKITAT WAY, SUITE 208 SEATTLE, WA 98134
 KIRT A NEAL | AIA E. kneal@oai.com P. (206) 721-0061

ENVELOPE SUMMARY:

EXEMPTION NOTE: WORK UNDER THIS PROJECT DOES NOT OCCUR AT OR ADJACENT TO CONDITIONED SPACE, AND IS NOT PART OF THE BUILDING THERMAL ENVELOPE AS DEFINED UNDER SECTION C202 OF THE SEATTLE ENERGY CODE.

Envelope Summary		ENV-SUM
2018 Seattle Energy Code Compliance Forms for Commercial Buildings including R2, R3, & R4 over 3 stories and all R1 Revised Mar 2021 rev. 1		
Project Info	Project Title: Building 2 - Partial Roof Repairs	Date: 03/14/2023
Compliance forms do not require a separate fee. Instructions and calculating cells are write-protected.	Applicant Information: Provide contact information for individual who can respond to inquiries about compliance form information provided.	For SDCI Use
	Company Name: OAI, PS	
	Company Address: 1101 SW KLIKITAT WAY, SUITE 208	
	Applicant Name: JOE MULLER	
	Applicant Phone: (206) 227-0314	
	Applicant Email: jmulter@oai.com	
Project Description	<input type="checkbox"/> New Building <input type="checkbox"/> Addition <input type="checkbox"/> Alteration <input checked="" type="checkbox"/> No Envelope Scope <input checked="" type="checkbox"/> All Commercial <input type="checkbox"/> Group R - Commercial <input type="checkbox"/> Mixed Use - Commercial + Group R <input type="checkbox"/> Semi-heated <input type="checkbox"/> Refrigerated Cooler <input type="checkbox"/> Refrigerated Freezer <input type="checkbox"/> Equipment Building	
Envelope Description	Scope of work for this project includes a partial roof replacement related to structural repairs occurring over an unconditioned portion of Building #2 at Magnuson Park. New roof assembly will replace roof insulation in kind. Work area does not occur within the Building Thermal Envelope as defined under the 2018 Seattle Energy Code C202. If project includes multiple Target Insulation Allowance areas, and/or is demonstrating compliance as an Addition + Existing, Alteration + Existing, or Addition + Alteration + Existing project, provide a brief summary of the approach to whole building compliance.	
Air Barrier Testing	Air barrier testing is required for all new construction projects. Testing criteria is 0.25 cfm/ft ² under test pressure of 0.3 inch w.g. To comply with C408.11, demonstrate that measured air leakage does not exceed 0.17 cfm/ft ² . <input type="checkbox"/> Air barrier testing per Section C402.5.1.2 included in project scope <input type="checkbox"/> Additional Efficiency Package Option - C406.11 Reduced Air Infiltration <input checked="" type="checkbox"/> Testing not required. Explanation: Work occurs at unconditioned portion of the building.	
Compliance Documentation Scope and Method	<input type="checkbox"/> New Building <input type="checkbox"/> Addition <input type="checkbox"/> Alteration <input checked="" type="checkbox"/> No Envelope Scope	
Target Insulation Allowance	Sets the site and calculations in the compliance forms. Selection required to enable forms. <input type="checkbox"/> Fully Conditioned - Commercial, Group R, Mixed Use <input type="checkbox"/> Semi-heated <input type="checkbox"/> Refrigerated Cooler <input type="checkbox"/> Refrigerated Freezer If project includes more than one Target Insulation Allowance area, and/or if project includes addition and alteration areas completing independently, for each area complete an ENV-SUM form Rows 16-55 and either an ENV-PRESCRIPTIVE form, or ENV-LA + ENV-SHGC forms if demonstrating compliance via component performance.	
Envelope Compliance Path	<input type="checkbox"/> Prescriptive <input type="checkbox"/> Component Performance Selection required to enable forms.	
Component Performance Calculation Adjustments	<input type="checkbox"/> Change of Occupancy (C503.2) / Conditioning (C505) C407 - 10% Higher UA allowed <input type="checkbox"/> Substantial Alteration (C503.8) - 15% higher than C402.1.5 UA allowed <input type="checkbox"/> Additional Efficiency Package Option - C406.8 Enhanced Envelope - 15% lower UA allowed	



1 A0.3a BUILDING 2 - AERIAL VIEW LOOKING WEST NTS

BUILDING 2: SCOPE OF WORK SUMMARY:

THE SCOPE OF WORK FOR BUILDING #2 GENERALLY INCLUDES, BUT IS NOT LIMITED TO:

ADDITIVE 2: SOUTH HANGER

- PATCH AND REPAIR OF ALL ROOF AREAS; SECURE FLASHINGS AND SEAL FOR EXTENDED WATER-TIGHT CONDITION
- REINFORCING OF ALL SEAMS AT ROOF MEMBRANE SURFACE AND TRANSITIONS
- REPAIR OF ALL PERIMETER TRANSITIONS AND FLASHING CONDITIONS
- REPLACEMENT OF ALL EXISTING DRAINS AND RECONNECT TO EXISTING RAIN LEADERS
- REMOVAL, PATCHING AND RE-INSTALLATION OF FULLY ADHERED ROOF MEMBRANE
- RE-INSTALLATION OF PERIMETER METAL FLASHINGS AND COPING TO ENCAPSULATE PARAPET WALL CAPS AND BUILDING INFILTRATION POINTS

BASE BID: NORTH HANGER, LOWER SOUTH ROOF

- DEMOLITION OF EXISTING BUILT-UP ROOFING, INCLUDING ABATEMENT OF ASBESTOS CONTAINING MATERIAL (ACM).
- INSTALLATION OF NEW EPDM MEMBRANE ROOF ASSEMBLY AND TAPERED DRAINAGE CRICKETS PER PLAN.
- SELECT REPLACEMENT OF DAMAGED T&G ROOF DECKING AND STRUCTURAL WOOD FRAMING MEMBERS.
- INSTALLATION OF NEW STRUCTURAL BRACING AT EXISTING UN-REINFORCED MASONRY (URM) PARAPETS.
- DEMOLITION OF EXISTING SKYLIGHTS AND INSTALLATION OF NEW INFILL COVER AND RELATED FRAMING.
- SELECT DEMOLITION OF ABANDONED VENTS, DUCTS, AND OTHER MISCELLANEOUS ROOF PENETRATIONS.
- SELECT DEMOLITION OF EXISTING MECHANICAL EQUIPMENT INCLUDING EXHAUST DUCTS, DAMPERS, AND ACCESSORIES.
- INFILL AND REPAIR OF EXISTING T&G DECKING AT ABANDONED ROOF PENETRATIONS.
- EXISTING ROOF DRAINS TO BE REPLACED AND RECONNECTED TO EXISTING RAINLEADERS.
- NEW METAL FLASHING INCLUDING PARAPET COPING, REGLETS, SPLASH PANS, AND CUSTOM FABRICATED SADDLE FLASHINGS.
- INSTALLATION OF NEW FALL PROTECTION ANCHORS AND HORIZONTAL LIFELINES.
- INSTALLATION OF NEW TREADED WALKWAY PAD ALONG ROOFTOP TRAFFIC AREAS.
- MODIFICATION OF EXISTING STAINLESS STEEL DOWNSPOUTS TO DRAIN TO ROOF.
- ABATEMENT AND REMOVAL OF EXISTING ASBESTOS CONTAINING MATERIAL SEALANT AND MASTIC.

ADDITIVE 1: NORTH HANGER, ROOF ABOVE CLERESTORY

- REMOVAL OF ALL EXISTING BUILT UP ROOFING
- INSTALLATION OF NEW EPDM ROOF MEMBRANE ASSEMBLY
- REPAIR OF PERIMETER FLASHING FOR INSTALLATION OF ROOF MEMBRANE

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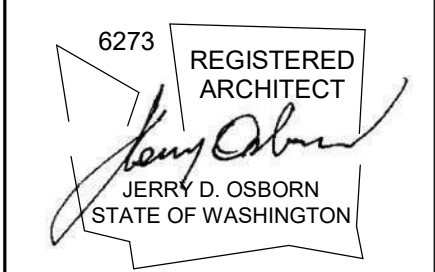
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3		
2		
1		
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
 PARK ENGINEER _____

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WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS

SCOPE OF WORK SUMMARY AND CODE ANALYSIS

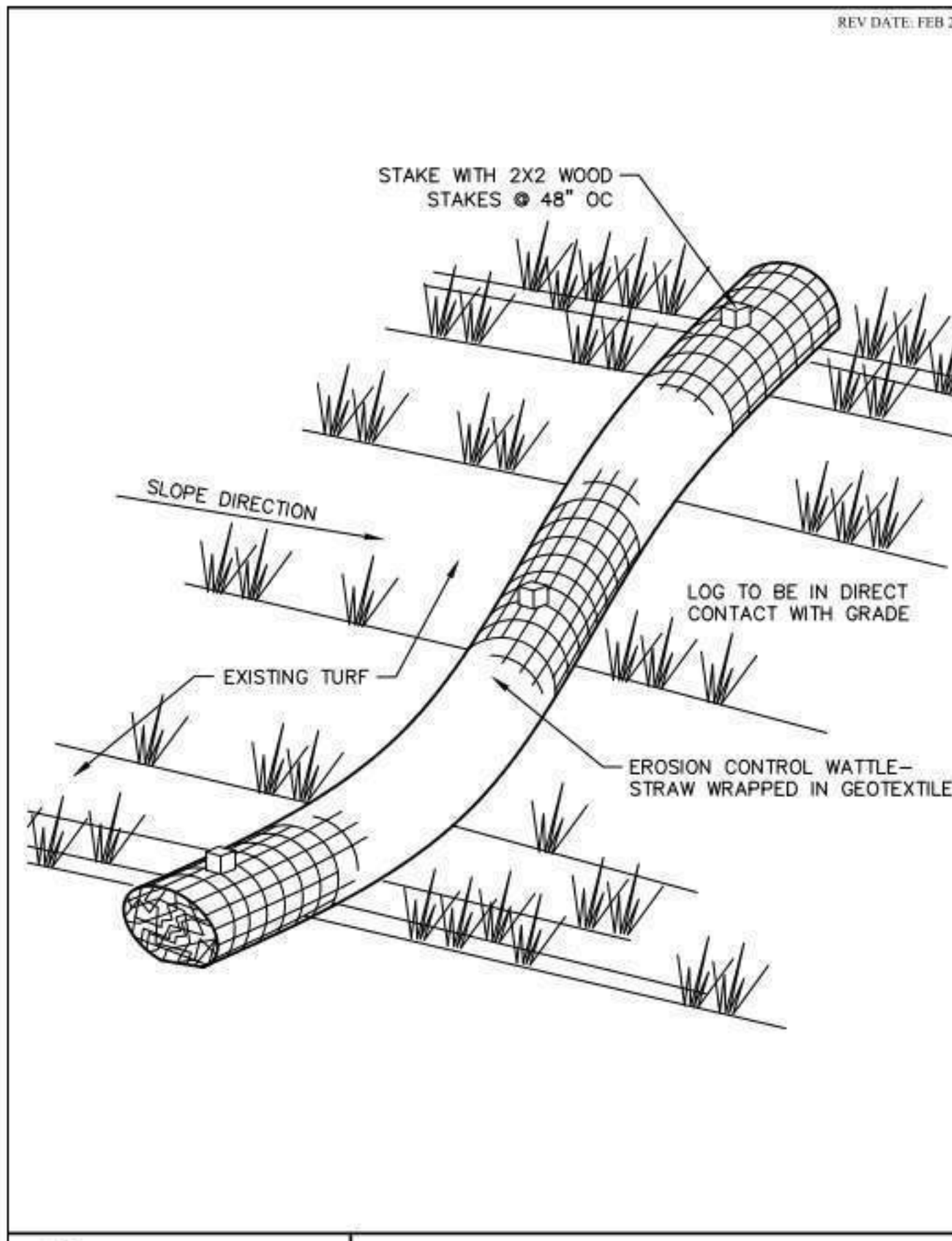
DESIGNED	JJM	DATE	6/29/2022
DRAWN	JJM		
CHECKED	KN	SHEET	3 OF 22
ORDINANCE NO.	PRK730300-142	A0.3a	
CONTRACT NO.	PR2020-033		
SCALE	1" = 1'-0" (U.N.O.)		

	TREES IN PLANTING STRIPS	TREES IN TREE PITS
ROOT PROTECTION	ALL NON-PAVED PLANTING STRIP SURFACES SUBJECT TO IMPACT (COMPACTION) BY CONSTRUCTION ACTIVITY SHALL BE PROTECTED WITH 6"-8" MULCH LAYER OR 3/4" PLYWOOD PANELS PROVIDE WOOD PLANKING OR STEEL PANELS UNDER BACKHOE STABILIZERS PLACED ANYWHERE IN THE PLANTING STRIP [1-07.16(2)] NO STORAGE OF MATERIALS OR EQUIPMENT IN THE PLANTING STRIP SHALL BE ALLOWED WITHOUT PROPER SURFACE PROTECTION AND WRITTEN AUTHORIZATION FROM THE ENGINEER	RETAIN EXISTING PAVING DURING CONSTRUCTION SCHEDULE PAVING REPLACEMENT TO MINIMIZE EXPOSURE OF SURFACE ROOTS TO DRYING, EQUIPMENT DAMAGE, COMPACTION, ETC. EXPOSURE FOR LONGER THAN 48 HOURS REQUIRES MULCH APPLICATION
CANOPY PROTECTION	OVERHEAD BRANCHING LIKELY TO BE DAMAGED BY EQUIPMENT OPERATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER WITH PREVENTIVE MEASURES (PRUNING OR TIE-BACK OF BRANCHES) APPROVED BY THE ENGINEER AND PROPERLY EXECUTED BEFORE COMMENCEMENT OF THE WORK	
TRUNK PROTECTION	PROVIDE CHAIN LINK CONSTRUCTION FENCE IN INDIVIDUAL TREE OR THE LENGTH OF THE PLANTING STRIP.	PROVIDE 5'-0" MIN HEIGHT FENCE INSTALLATIONS FOR EACH TREE TO ENCLOSE ENTIRE TREE PIT OPENING.
SIDEWALK RECONSTRUCTION	ROOT PRUNE ONLY AS APPROVED BY THE ENGINEER MAINTAIN 2'-0" MIN CLEARANCE FROM FLARE OF TRUNK WHEN SETTING FORMS.	PROVIDE 5'-0"x5'-0" OR 4'-0"x6'-0" (24 SQ FT MIN) TREE PITS IN NEW SIDEWALK FOR NEW TREES. TREE PIT SIZE FOR EXISTING TREES SHALL BE ELONGATED (8'-0" TO 12'-0"+). PITS MAY BE REQUIRED TO MINIMIZE ROOT IMPACTS WHILE MAINTAINING REQUIRED SIDEWALK WIDTH
TRENCH OR TUNNELING	SEE STD PLAN NO 133	



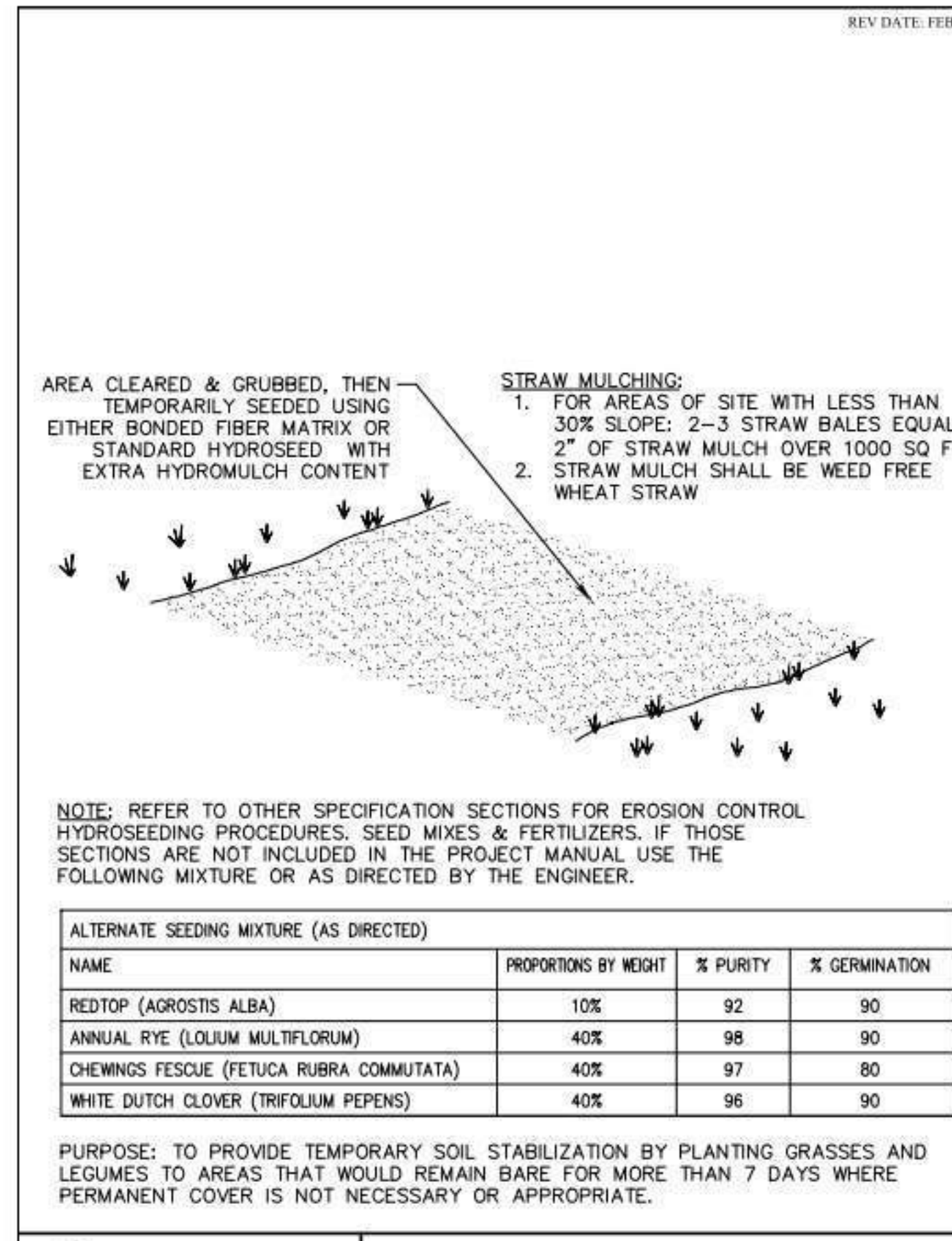
TEMPORARY TREE PROTECTION
STD. DETAIL NO. 01 56 39

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



EROSION CONTROL WATTLE
STD. DETAIL NO. 01 57 13.26

INTENDED PLOT SCALE: 3/4"=1'-0"



TEMPORARY SEEDING - MULCHING
STD. DETAIL NO. 01 57 13.39

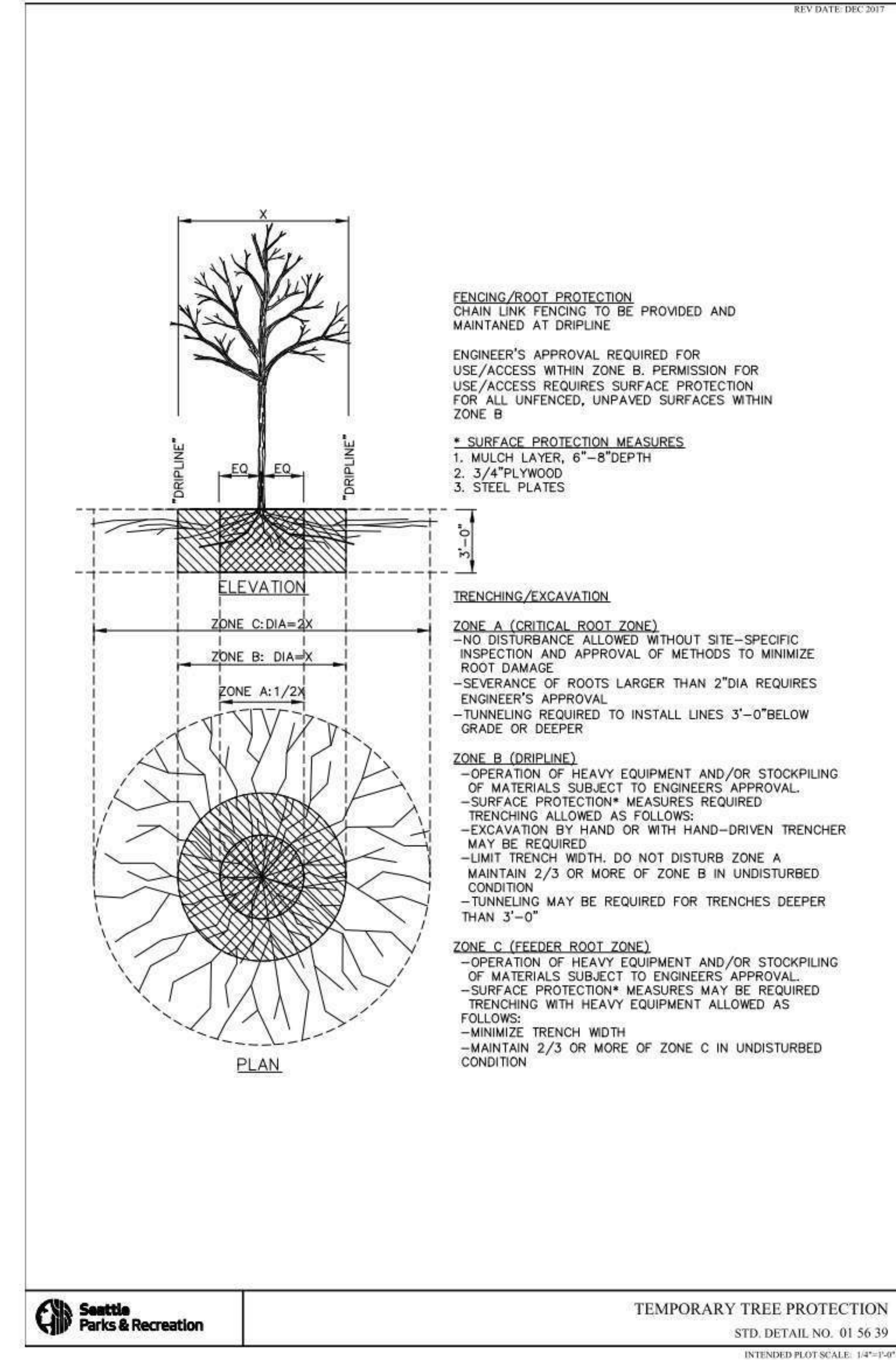
INTENDED PLOT SCALE: 3/4"=1'-0"

>>>>CAUTION - CALL 811<<<<
UTILITY NOTIFICATION CENTER
BEFORE YOU DIG!
WWW.CALL811.COM

Also, verify all underground utilities not located by the 811 service by using a commercial location service and call SPR Inspection Request Line (206) 684-7034.

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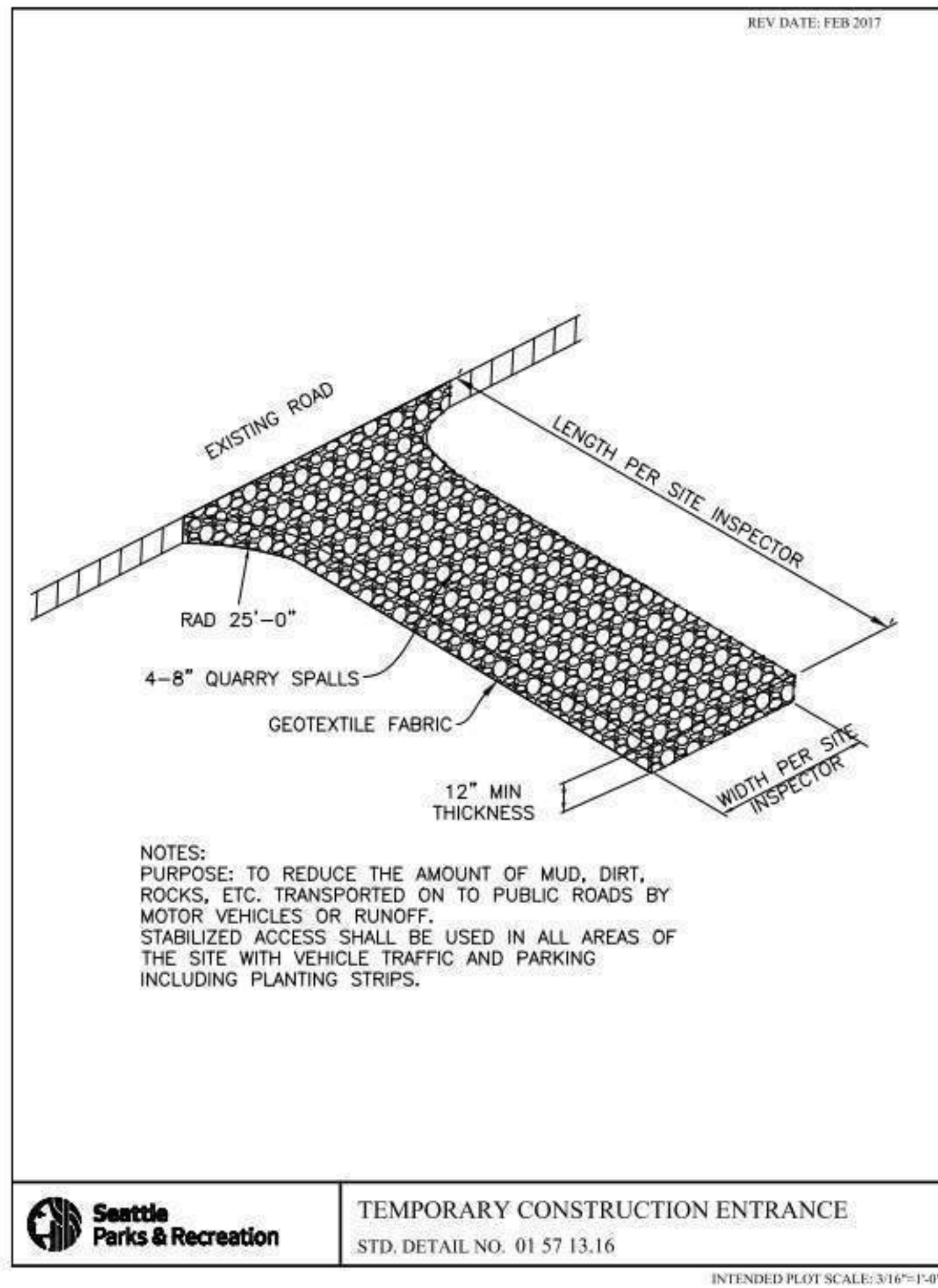
1 G0.1 NTS
TEMPORARY TREE PROTECTION NOTES



TEMPORARY TREE PROTECTION
STD. DETAIL NO. 01 56 39

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

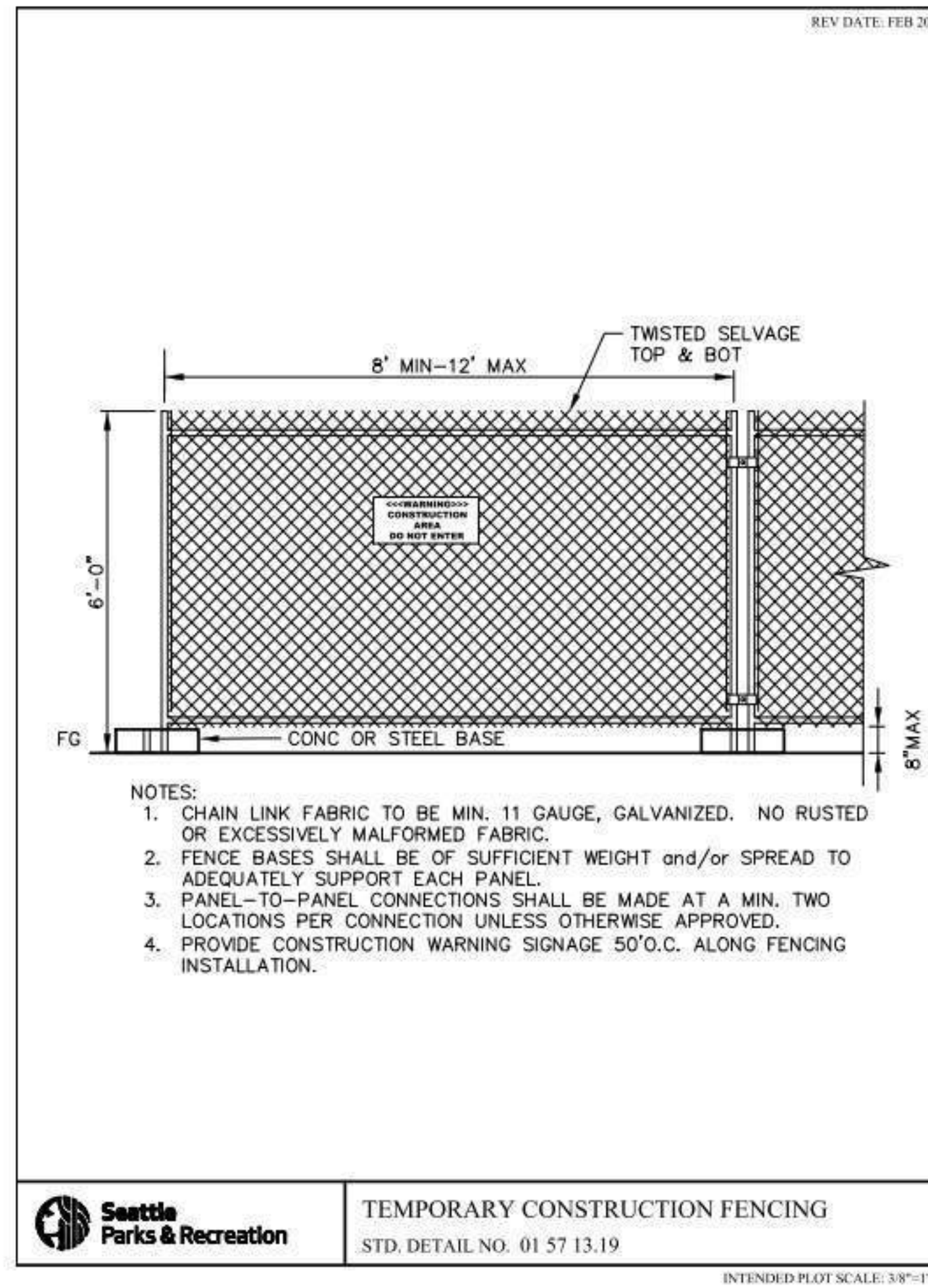
2 G0.1 NTS
TEMPORARY TREE PROTECTION



TEMPORARY CONSTRUCTION ENTRANCE
STD. DETAIL NO. 01 57 13.16

INTENDED PLOT SCALE: 3/4"=1'-0"

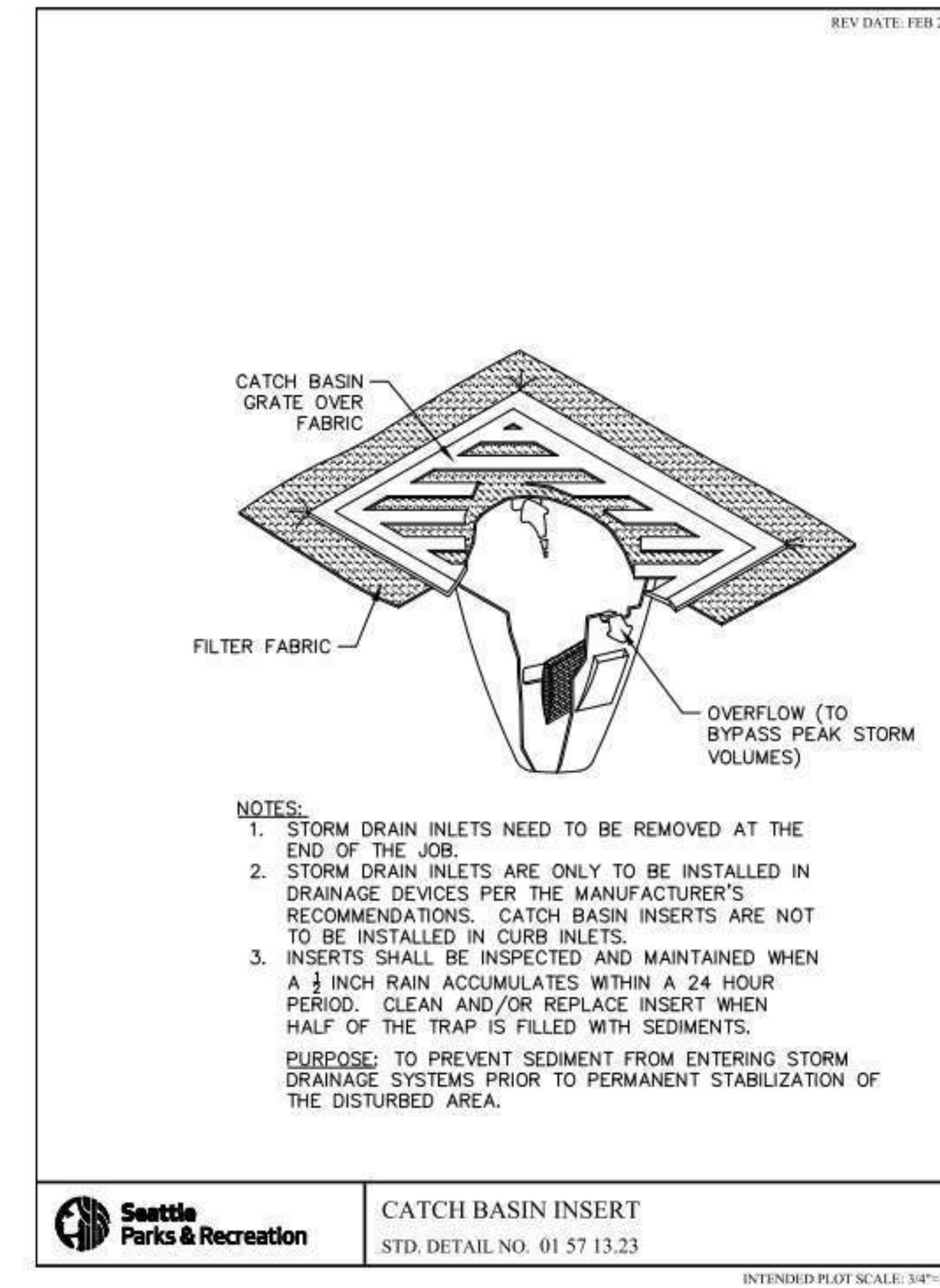
3 G0.1 NTS
TEMPORARY CONSTRUCTION ENTRANCE



TEMPORARY CONSTRUCTION FENCING
STD. DETAIL NO. 01 57 13.19

INTENDED PLOT SCALE: 3/4"=1'-0"

4 G0.1 NTS
TEMPORARY CONSTRUCTION FENCING



CATCH BASIN INSERT
STD. DETAIL NO. 01 57 13.23

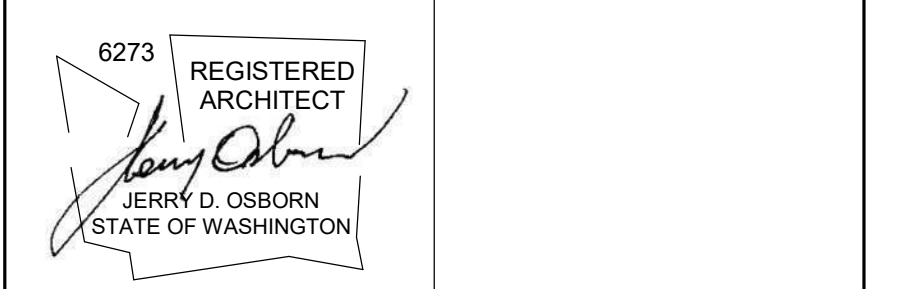
INTENDED PLOT SCALE: 3/4"=1'-0"

5 G0.1 NTS
CATCH BASIN INSERT

3		
2		
1		
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
PARK ENGINEER

All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.



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p. (206) 631-8442 | http://www.oaipso.com



WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS
STANDARD TREE PROTECTION, STORMWATER CONTROL DETAILS

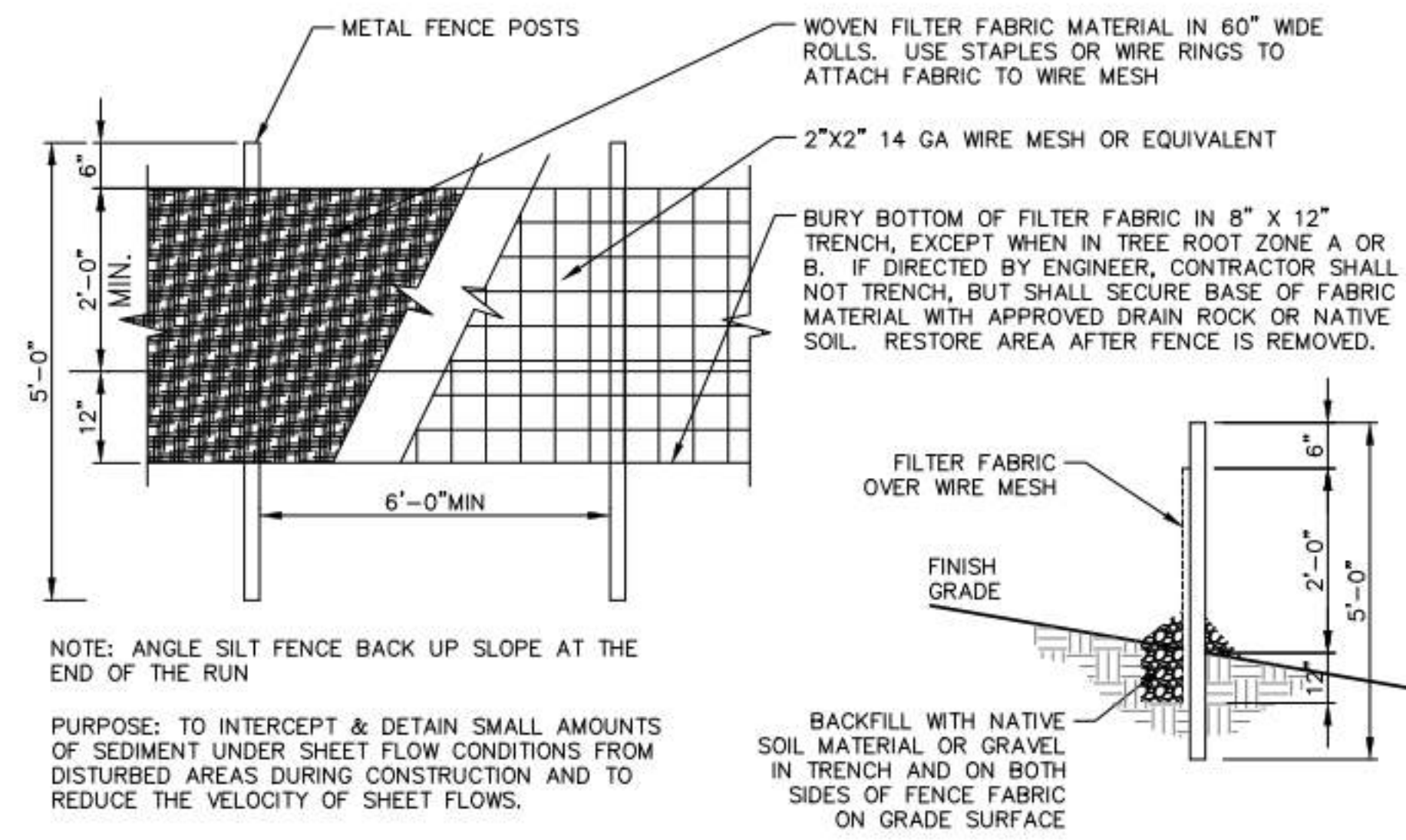
DESIGNED	CY	DATE	6/29/2022
DRAWN	CY		
CHECKED	KN	SHEET	4 OF 22

ORDINANCE NO. PRK730300-142
CONTRACT NO. PR2020-033
SCALE 1/2" = 1'-0" (U.N.O.)

G0.1

G:\Share\drives\ARCH - Projects\Seattle\11 Seattle Parks\2019\11.04 Magnuson Building 2 North\Drawings\Permit\Reg Bldg #2_138 Permi Submittal 29 June.rvt 6/29/2022 11:17:42 AM

REV DATE: FEB 2017



ANTI-SILTATION FENCE
STD. DETAIL NO. 01 57 13.29

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

1 ANTI-SILTATION FENCE
GO.2 12" = 1'-0"

>>>>CAUTION - CALL 811<<<<
UTILITY NOTIFICATION CENTER
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WWW.CALL811.COM

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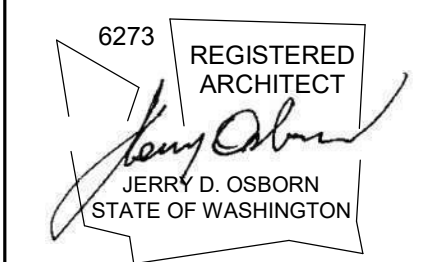
RECORD DRAWING

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3		
2		
1		
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____
PARK ENGINEER _____ DATE _____

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WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF
REPLACEMENTS

STANDARD STORMWATER
CONTROL DETAILS

DESIGNED	CY	DATE	6/29/2022
DRAWN	CY		
CHECKED	KN	SHEET	5 OF 22
ORDINANCE NO.	PRK730300-142		
CONTRACT NO.	PR2020-033		
SCALE	12" = 1'-0" (U.N.O.)		

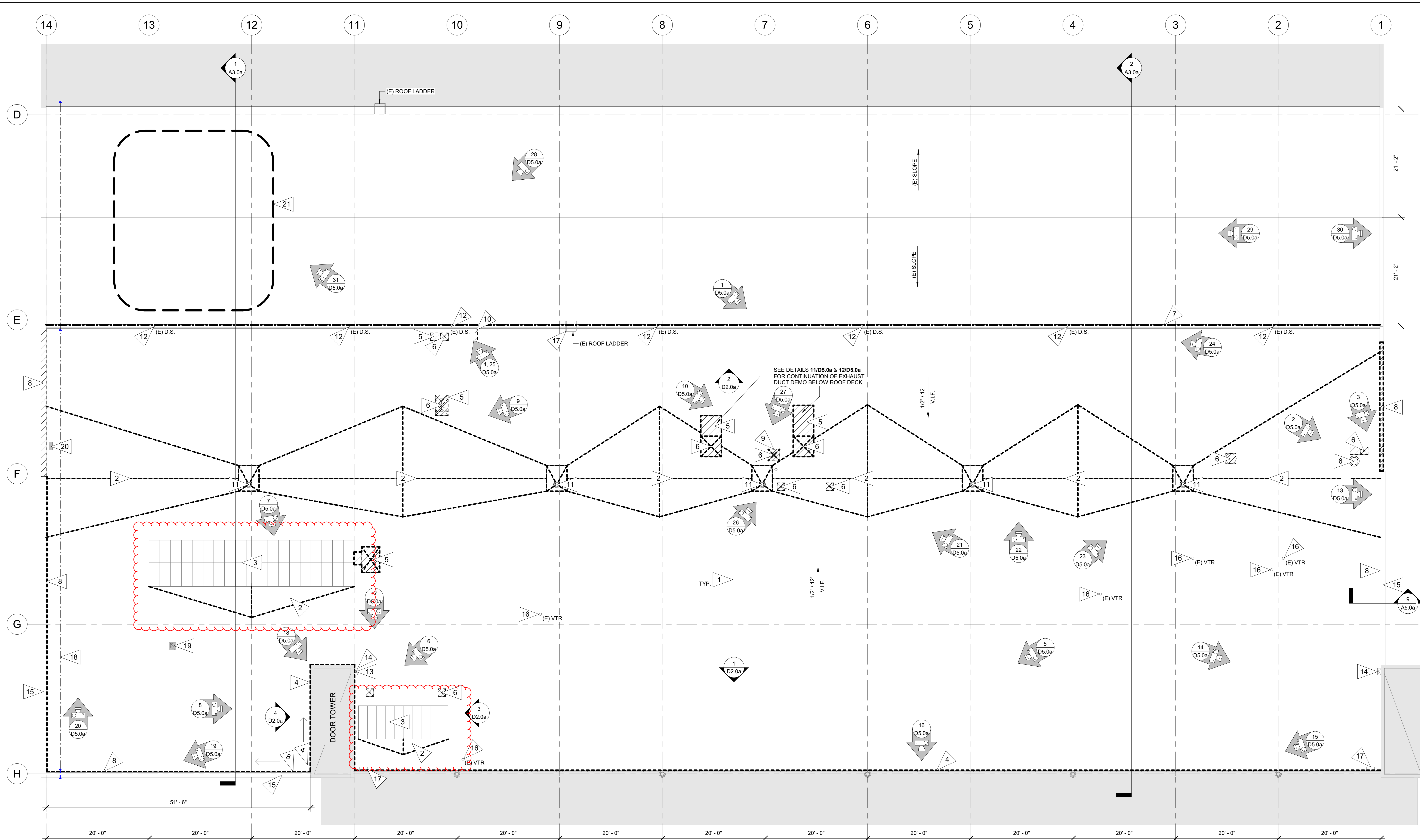
GO.2

>>>>CAUTION - CALL 811<<<<
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WWW.CALL811.COM

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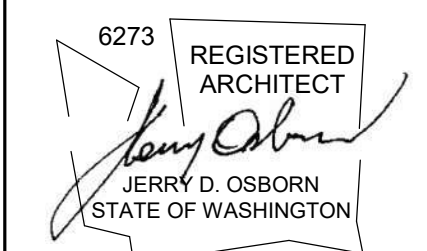
BUILDING 2 - NORTH HANGER ROOF DEMOLITION PLAN

1
D1.0a
1/8" = 1'-0"

3		
2		
1		
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
 PARK ENGINEER _____ DATE _____

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WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS

BUILDING #2 - ROOF DEMOLITION PLAN

DESIGNED	JJM	DATE	08/08/2022
DRAWN	JJM		
CHECKED	KN	SHEET	6 OF 22

ORDINANCE NO. PRK730300-142
 CONTRACT NO. PR2020-033

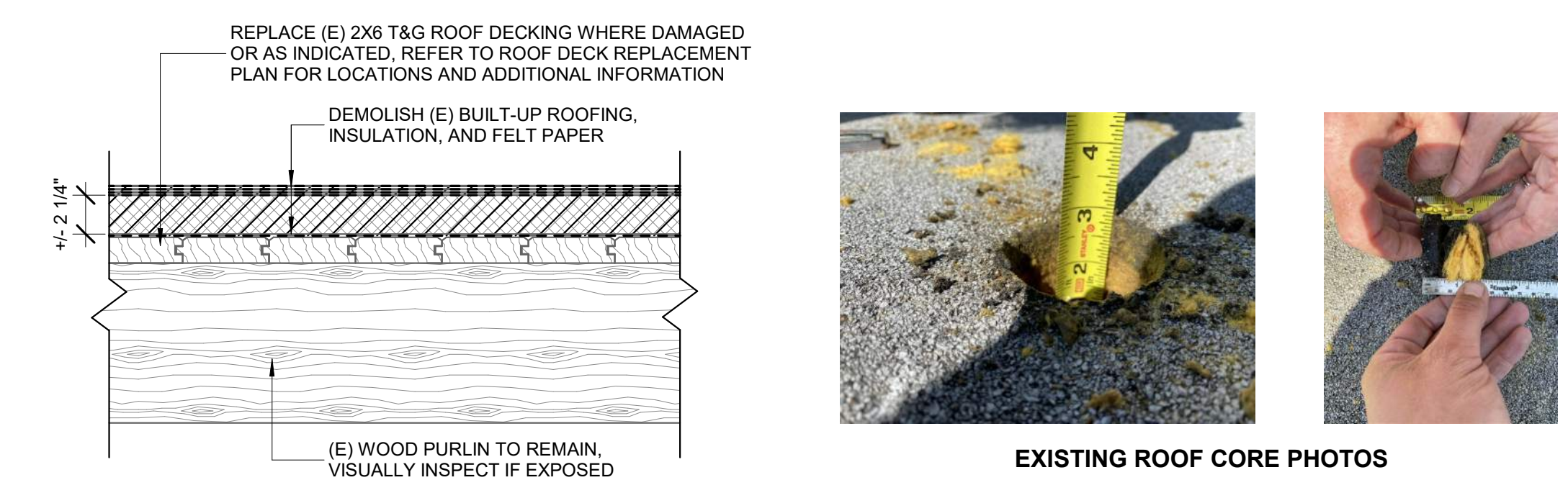
D1.0a

SCALE As Indicated (U.N.O.)

ROOF DEMOLITION KEYNOTES	
1	DEMO (E) BUILT-UP ROOF ASSEMBLY, TYP.
2	DEMO (E) TAPERED ROOF CRICKET, TYP.
3	DEMO (E) SKYLIGHT GLAZING, (E) FRAMING TO REMAIN
4	(E) CASINGS AND TRIM TO BE REMOVED BY OTHERS PRIOR TO START OF WORK
5	DEMO (E) VENT HOOD/MECHANICAL UNIT AND ACCESSORIES, TYP.
6	DEMO (E) DUCT BELOW ROOF DECK, INFILL WITH (N) 2X6 T&G DECKING
7	DEMO (E) ASBESTOS CONTAINING SEALANT/MASTIC
8	DEMO (E) SHEET METAL COPING/COUNTERFLASHING
9	DEMO (E) WOOD BLOCKING AND/OR ROOF CURB, TYP.
10	DEMO (E) PIPE PENETRATION, TYP.
11	DEMO (E) ROOF DRAIN AND SUMP, TYP.
12	DEMO (E) DOWNSPOUT THROUGH ROOF, INFILL WITH (N) 2X6 T&G DECKING
13	REMOVE & RE-INSTALL (E) DOWNSPOUT, TYP.
14	(E) DOWNSPOUT AND COLLECTOR BOX TO REMAIN
15	(E) WOOD BLOCKING AT PARAPET TO REMAIN, TYP.
16	(E) VENT THROUGH ROOF TO REMAIN, DEMOLISH (E) ACM SEALANT, TYP. ASSURE THAT ALL PIPE PENETRATION EXTEND ABOVE FLASHING BOOT MIN 4"; EXTEND OR REPLACE AS REQUIRED, TYP AT ALL LOCATIONS
17	(E) ROOF LADDER TO REMAIN, TYP.
18	(E) CONDUIT AND PROTECTION BLOCKS TO REMAIN
19	(E) SATELLITE DISH TO REMAIN, PROTECT, TYP.
20	(E) LIGHT FIXTURE TO REMAIN, PROTECT, TYP.
21	REMOVE WIRE AND DEBRIS FROM (E) ROOF

SHEET LEGEND	
	DEMOLISH EXISTING CONSTRUCTION PER KEYNOTES (DEMO OF ROOF ASSEMBLY NOT HATCHED FOR CLARITY)
	(E) SHEET METAL FLASHING
	EXISTING BUILDING - NOT IN SCOPE OF WORK
	(E) DUCT THROUGH ROOF TO BE DEMOLISHED
	DEMOLITION KEYNOTE
	DEMOLISH EXISTING CONSTRUCTION PER KEYNOTES
	EXISTING CONSTRUCTION
	(E) ACM SEALANT/MASTIC TO BE DEMOLISHED
	EXISTING CONDITIONS REFERENCE PHOTO, SEE SHEET 2 / D5.0b AS.0a FOR ADDITIONAL NOTES AND SCOPE OF WORK
(E)	EXISTING CONSTRUCTION
(N)	NEW CONSTRUCTION
ACM	ASBESTOS CONTAINING MATERIAL
CAB	CORRUGATED ASBESTOS BOARD
CSTRY	CLERESTORY
D.S.	DOWNSPOUT
N.I.C.	NOT IN CONTRACT
PT	PRE-TREATED
RWL	RAINWATER LEADER
T&G	TONGUE & GROOVE
TWR	TOWER (REFERS TO DOOR TOWERS)
URM	UNREINFORCED MASONRY
V.I.F.	VERIFY IN FIELD
VTR	VENT THROUGH ROOF

HAZARDOUS MATERIALS:
 ASBESTOS CONTAINING MATERIALS (ACM) HAVE BEEN IDENTIFIED IN THE EXISTING ROOF ASSEMBLIES. REFER TO THE HAZARDOUS MATERIALS SURVEY INCLUDED IN THE PROJECT MANUAL. CONTRACTOR IS RESPONSIBLE FOR THE PROPER ABATEMENT AND DISPOSAL OF ALL ACM IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS, EXCEPT AS FOLLOWS:
 • CAB (CEMENT ASBESTOS BOARD) CLADDING AND TRIM WILL BE REMOVED AND RE-INSTALLED UNDER SEPARATE CONTRACTOR HIRED DIRECTLY BY THE OWNER (THIS WORK IS NOTED AS "BY OWNER")



EXISTING ROOF ASSEMBLY DEMO
 1/2" = 1'-0"

G:\Shared\drives\ARCH - Projects\Seattle11 - Seattle Parks\2019\11.04 Magnuson Building 2 Roof Demolition\Rev\Mag Bldg #2 Permit Submittal 20 Jul.rvt 8/8/2022 2:27:50 PM

HAZARDOUS MATERIALS:
 ASBESTOS CONTAINING MATERIALS (ACM) HAVE BEEN IDENTIFIED IN THE EXISTING ROOF ASSEMBLIES. REFER TO THE HAZARDOUS MATERIALS SURVEY INCLUDED IN THE PROJECT MANUAL. CONTRACTOR IS RESPONSIBLE FOR THE PROPER ABATEMENT AND DISPOSAL OF ALL ACM IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS, EXCEPT AS FOLLOWS:

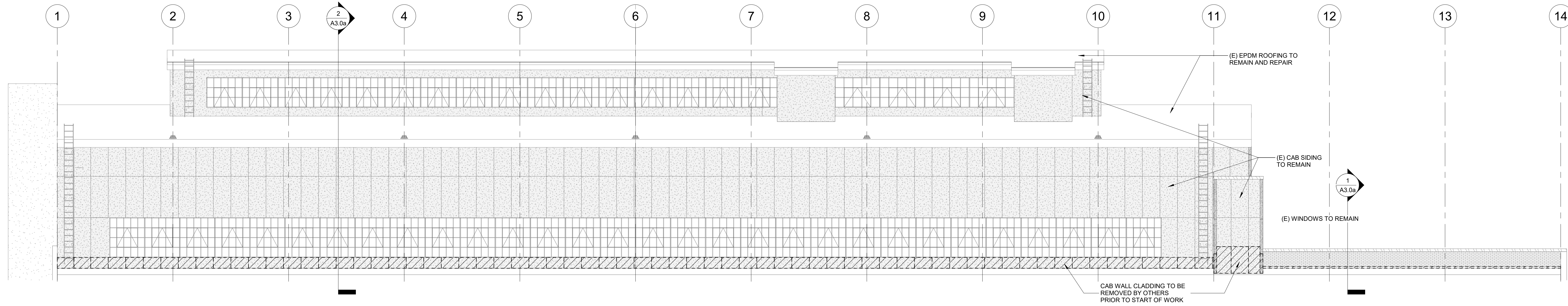
- CAB (CEMENT ASBESTOS BOARD) CLADDING AND TRIM WILL BE REMOVED AND RE-INSTALLED UNDER SEPARATE CONTRACTOR HIRED DIRECTLY BY THE OWNER (THIS WORK IS NOTED AS "BY OWNER")

>>>>CAUTION - CALL 811<<<<
UTILITY NOTIFICATION CENTER
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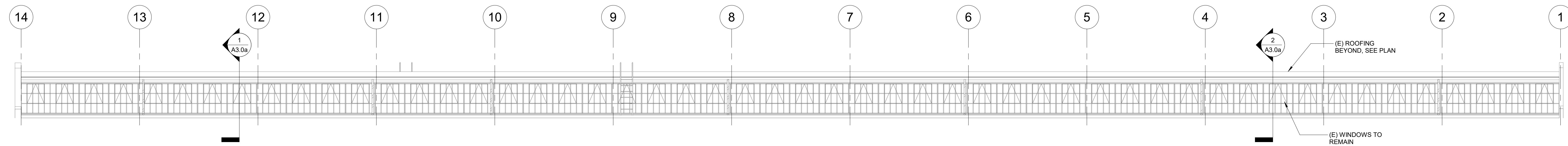
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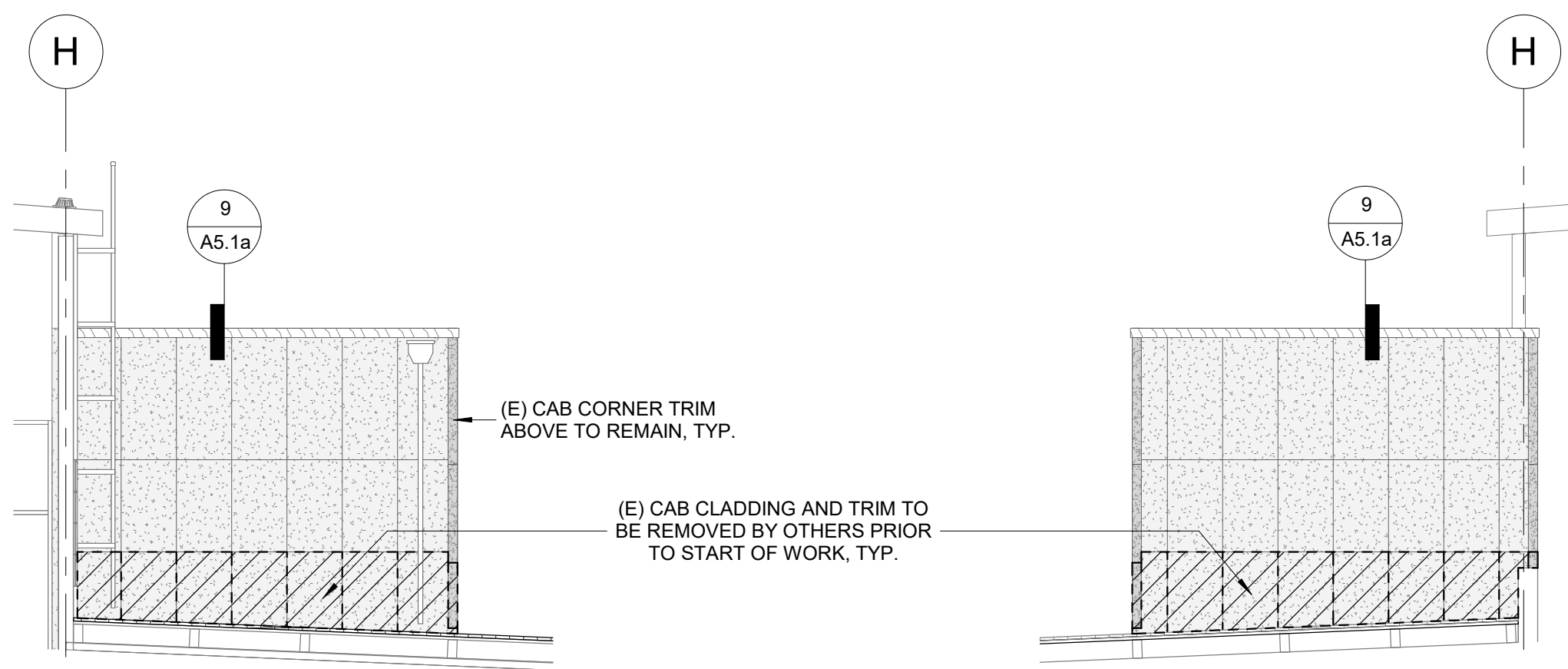
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1 NORTH ELEVATION AT SOUTH HANGER
 1/8" = 1'-0"



2 SOUTH ELEVATION AT NORTH HANGAR CLERESTORY
 1/8" = 1'-0"



3 EAST ELEVATION
 1/8" = 1'-0"

4 WEST ELEVATION
 1/8" = 1'-0"

3		
2		
1		
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____
 PARK ENGINEER DATE

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6273 REGISTERED ARCHITECT
 JERRY D. OSBORN
 STATE OF WASHINGTON



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WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS

BUILDING #2 - DEMOLITION ELEVATIONS

DESIGNED	JJM	DATE	6/29/2022
DRAWN	JJM		
CHECKED	KN	SHEET	7 OF 22

ORDINANCE NO. PRK730300-142
 CONTRACT NO. PR2020-033
 SCALE As Indicated (U.N.O.)

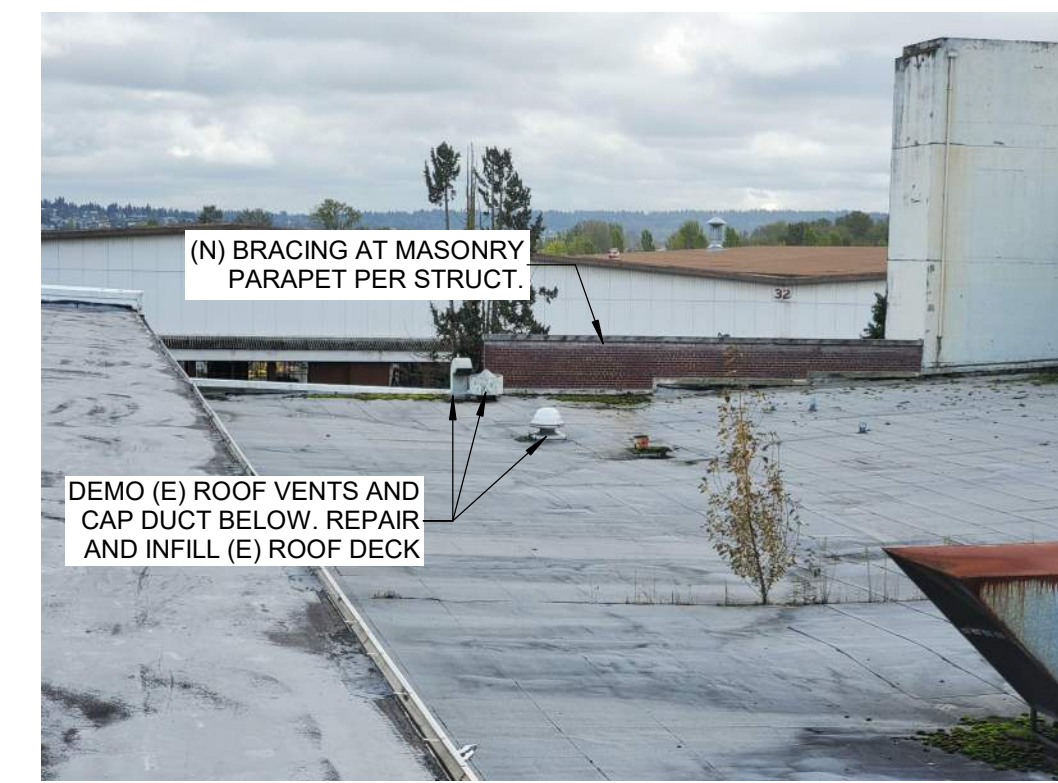
D2.0a

>>>>CAUTION - CALL 811<<<<
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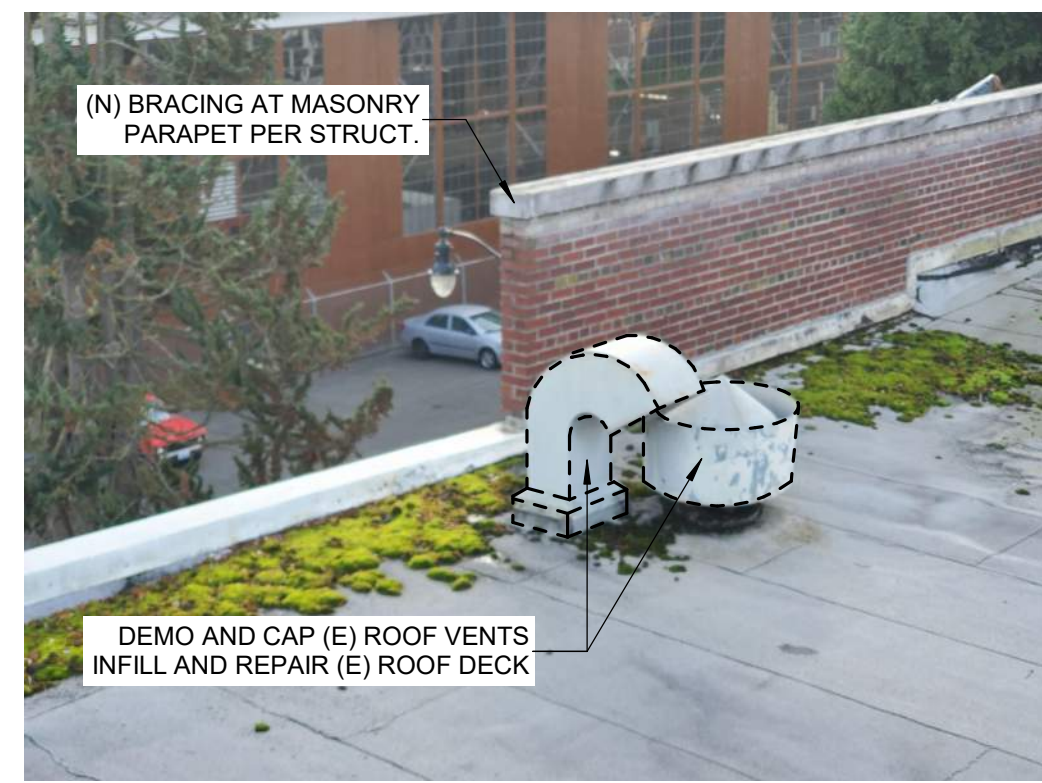
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1 EAST PARAPET
D5.0a NTS



2 VENTS AT EAST PARAPET
D5.0a NTS



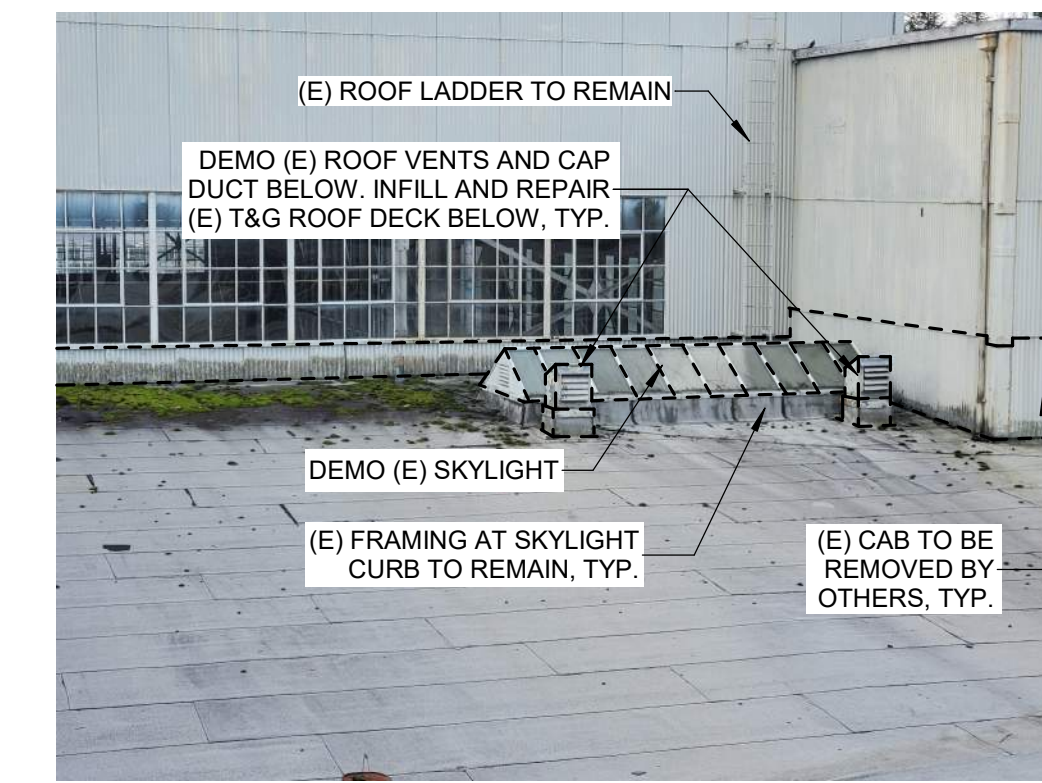
3 STEP AT EAST PARAPET
D5.0a NTS



4 DS AT N. CLERESTORY
D5.0a NTS



5 SOUTH CLERESTORY
D5.0a NTS



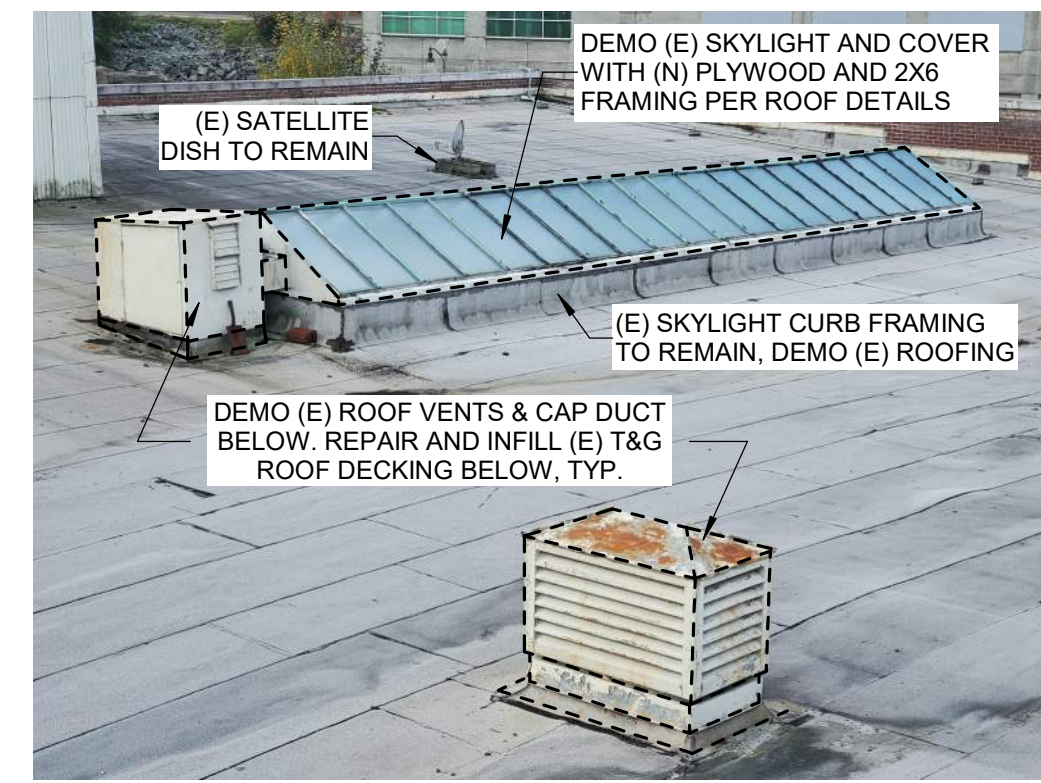
6 S.W. AT DOOR TOWER
D5.0a NTS



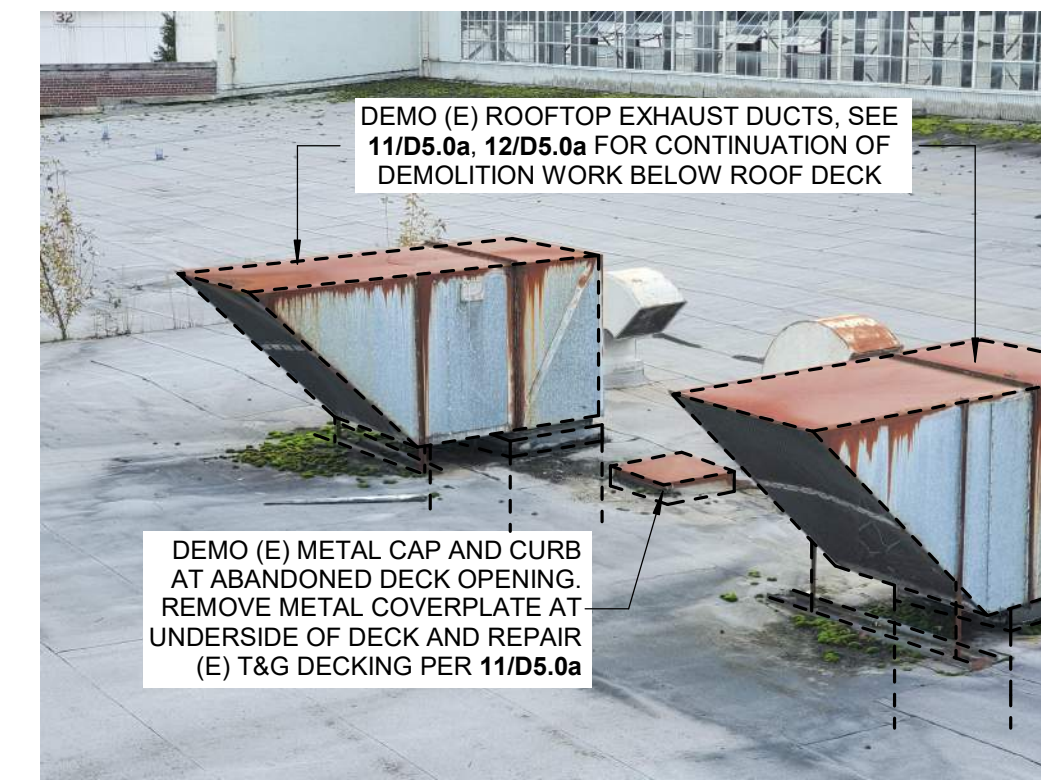
7 EAST AT DOOR TOWER
D5.0a NTS



8 WEST AT DOOR TOWER
D5.0a NTS



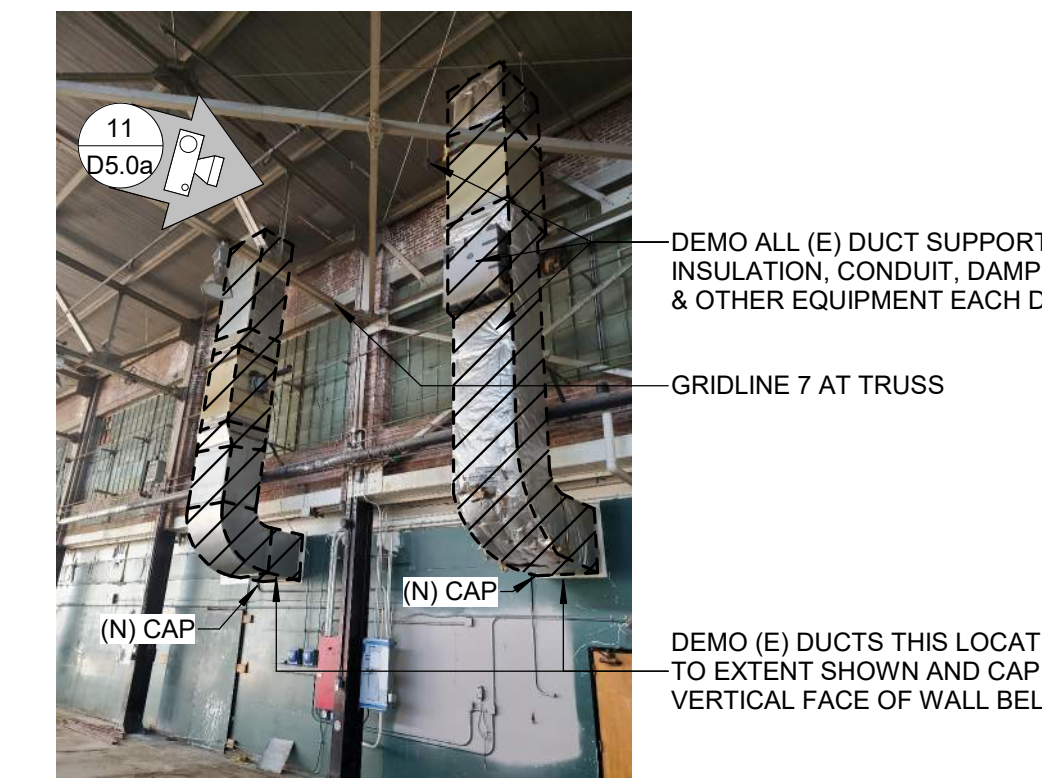
9 LARGE SKYLIGHT
D5.0a NTS



10 EXHAUST VENTS AT ROOF
D5.0a NTS



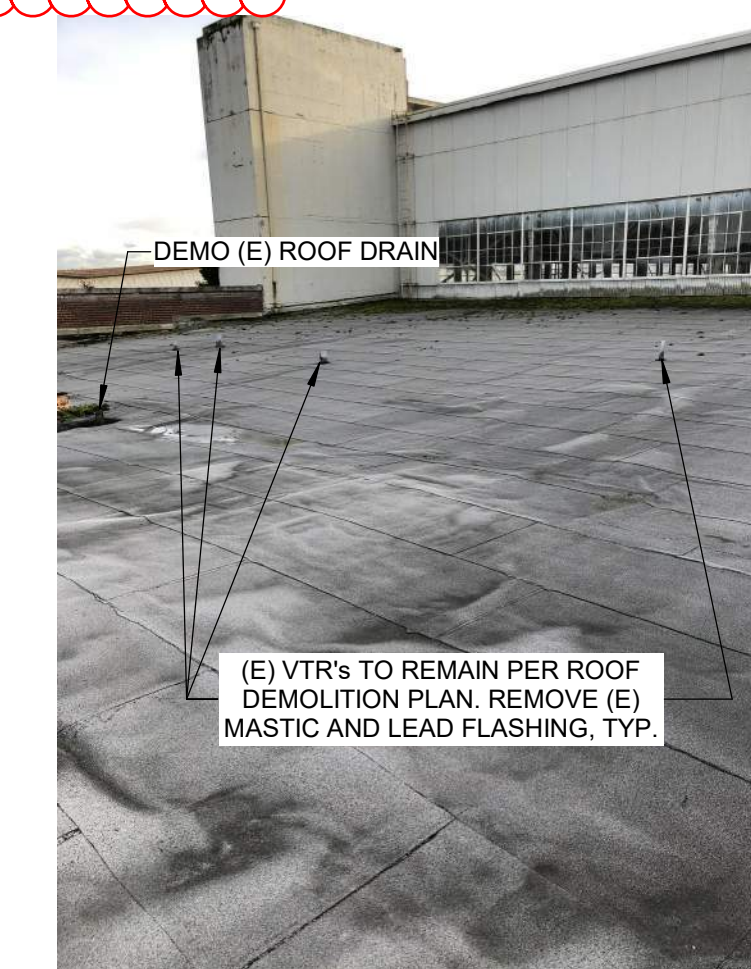
11 EXHAUST DUCTS AT DECK
D5.0a 1" = 1'-0"



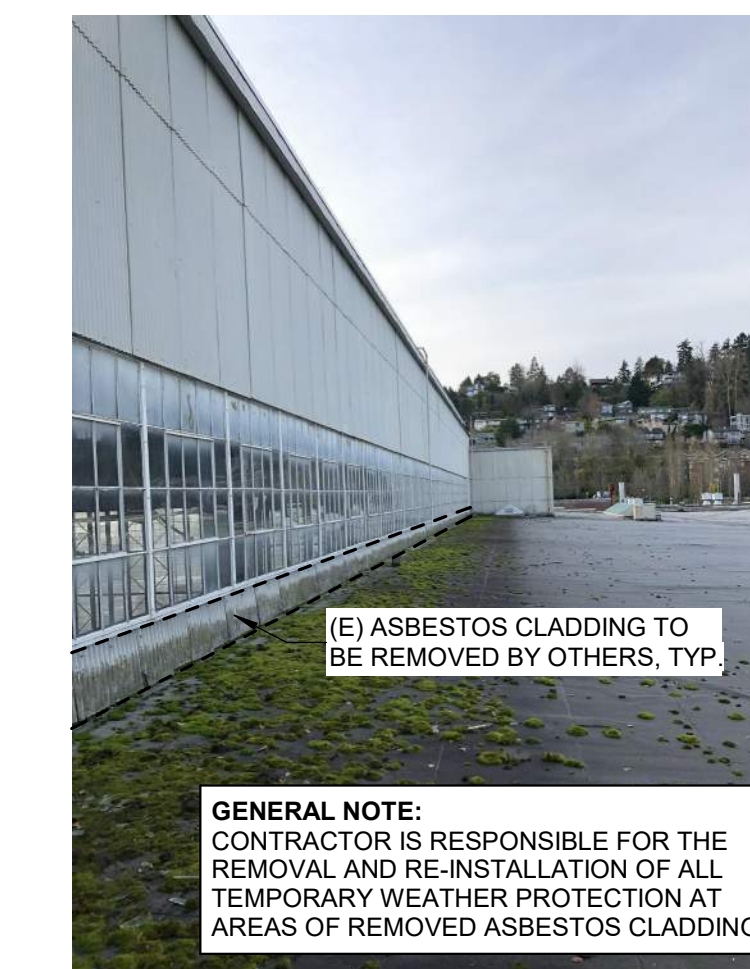
12 EXHAUST DUCT DEMO
D5.0a 1" = 1'-0"



13 URM AT PARAPET
D5.0a NTS



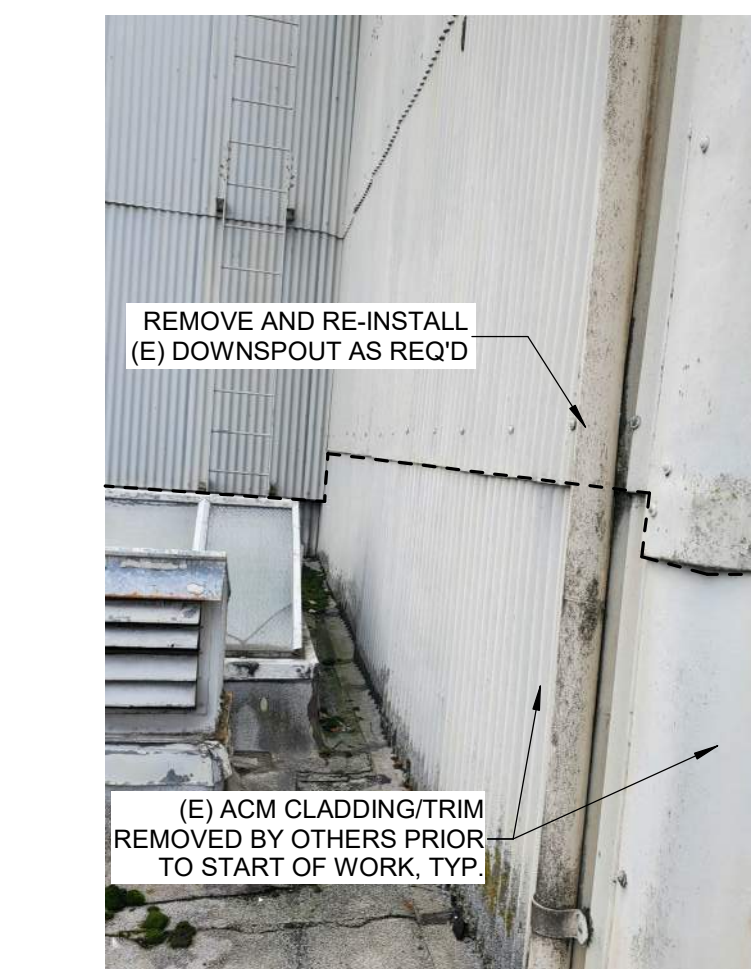
14 S. CLERESTORY
D5.0a NTS



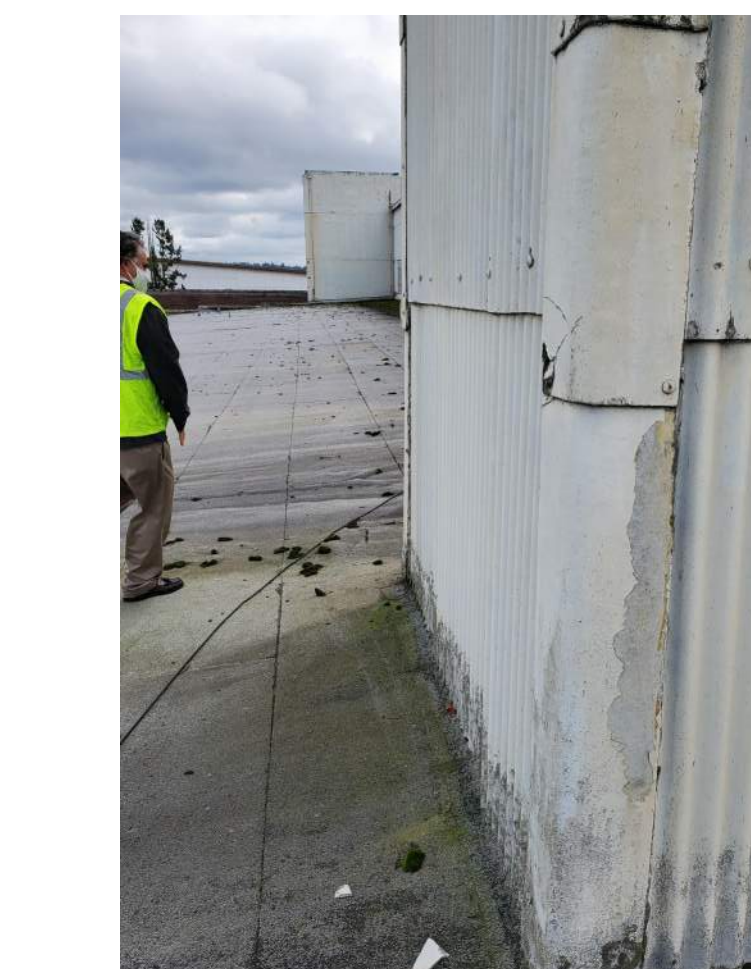
15 S. CLERESTORY
D5.0a NTS



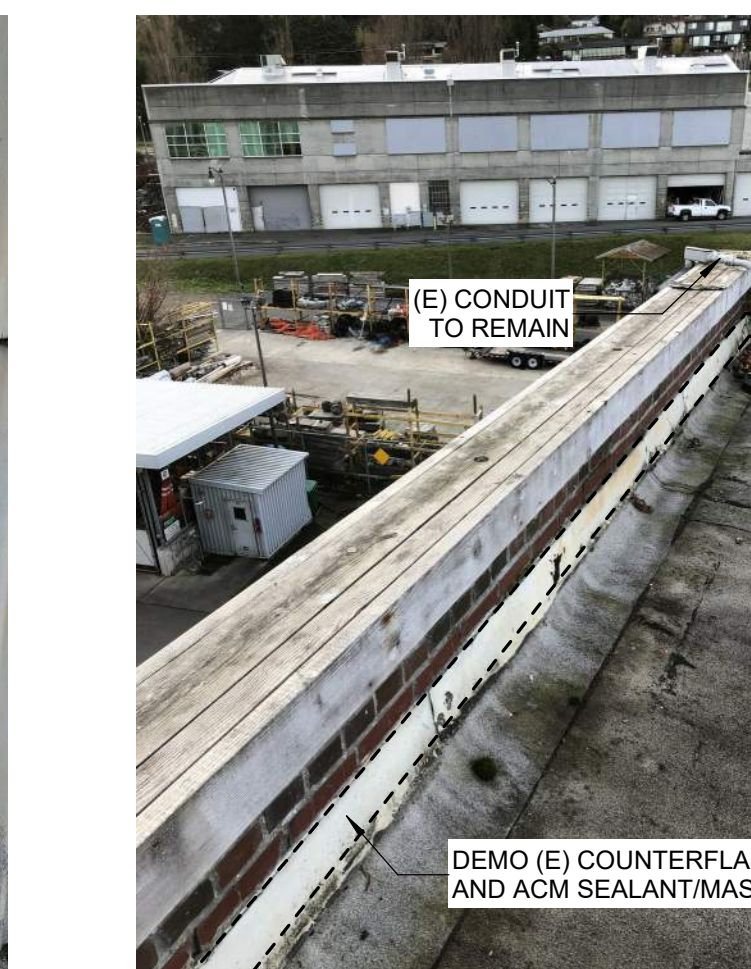
16 CAB AT WDW SILL
D5.0a NTS



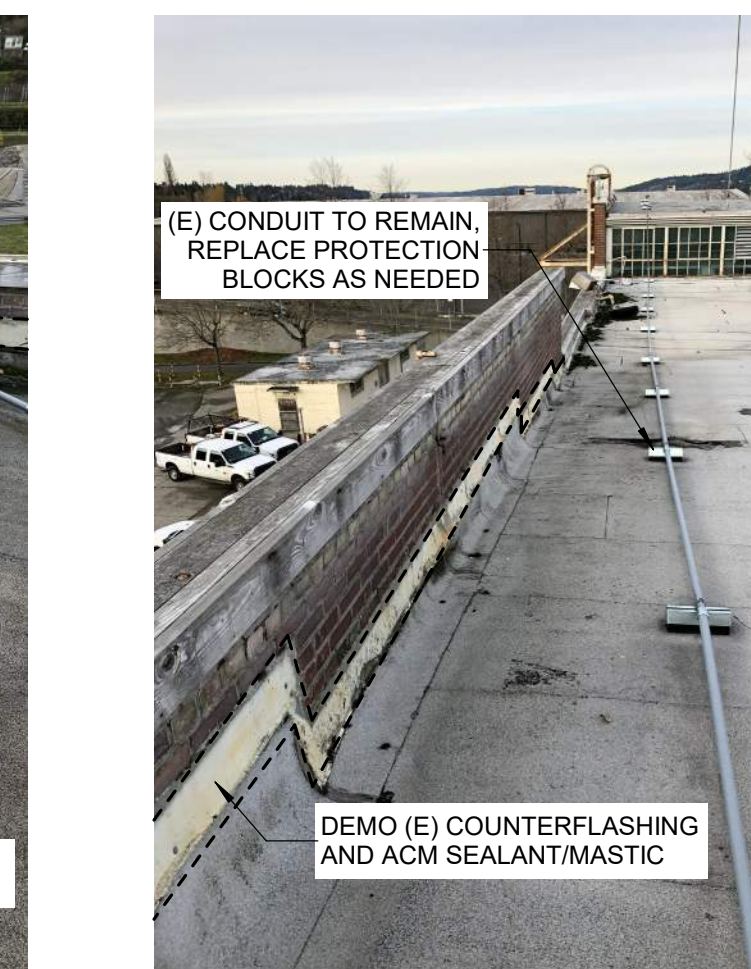
17 S.E. TWR CORNER
D5.0a NTS



18 CAB CORNER TRIM
D5.0a NTS



19 SW PARAPET
D5.0a NTS



20 WEST PARAPET
D5.0a NTS



21 N. CLERESTORY
D5.0a NTS



22 N. CLERESTORY
D5.0a NTS



23 N. CLERESTORY
D5.0a NTS



24 BASE AT N. CSTRY
D5.0a NTS



25 VENT AT N. CSTRY
D5.0a NTS



26 ROOF DRAIN
D5.0a NTS



27 CAP AT DUCT
D5.0a NTS



28 ROOF MEMBRANE
D5.0a NTS



29 CLERESTORY ROOF
D5.0a NTS



30 CLERESTORY PARAPET
D5.0a NTS

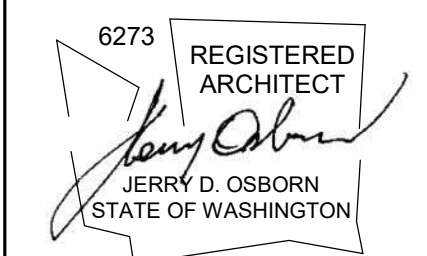


31 CABLES ON ROOF
D5.0a NTS

3		
2		
1		
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
 PARK ENGINEER _____ DATE _____

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WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS

BUILDING #2 - ROOF PHOTOS

DESIGNED	JJM	DATE	06/08/2022
DRAWN	JJM		
CHECKED	KN	SHEET	8 OF 22

ORDINANCE NO. PRK730300-142
 CONTRACT NO. PR2020-033
D5.0a

SCALE 1" = 1'-0" (U.N.O.)

8/2/2022 4:57:45 PM G:\shared drives\ARCH - Projects\Seattle\11 Seattle Parks\2019\11.04 Magnuson Building 2 Roof Drawings\Rev\Mag Bldg #2 Permit Submittal 20 Jul.rvt



1 CLERESTORY
D5.1a NTS



2 WALL @ CLERESTORY
D5.1a NTS



3 WALL @ CLERESTORY
D5.1a NTS



4 WALL @ CLERESTORY
D5.1a NTS



5 PARAPET @ SE TOWER
D5.1a NTS



6 STEP @ E PARAPET
D5.1a NTS



7 ROOF EDGE @ UPPER ROOF
D5.1a NTS



8 SW TOWER
D5.1a NTS



9 LADDER @ SW TOWER
D5.1a NTS



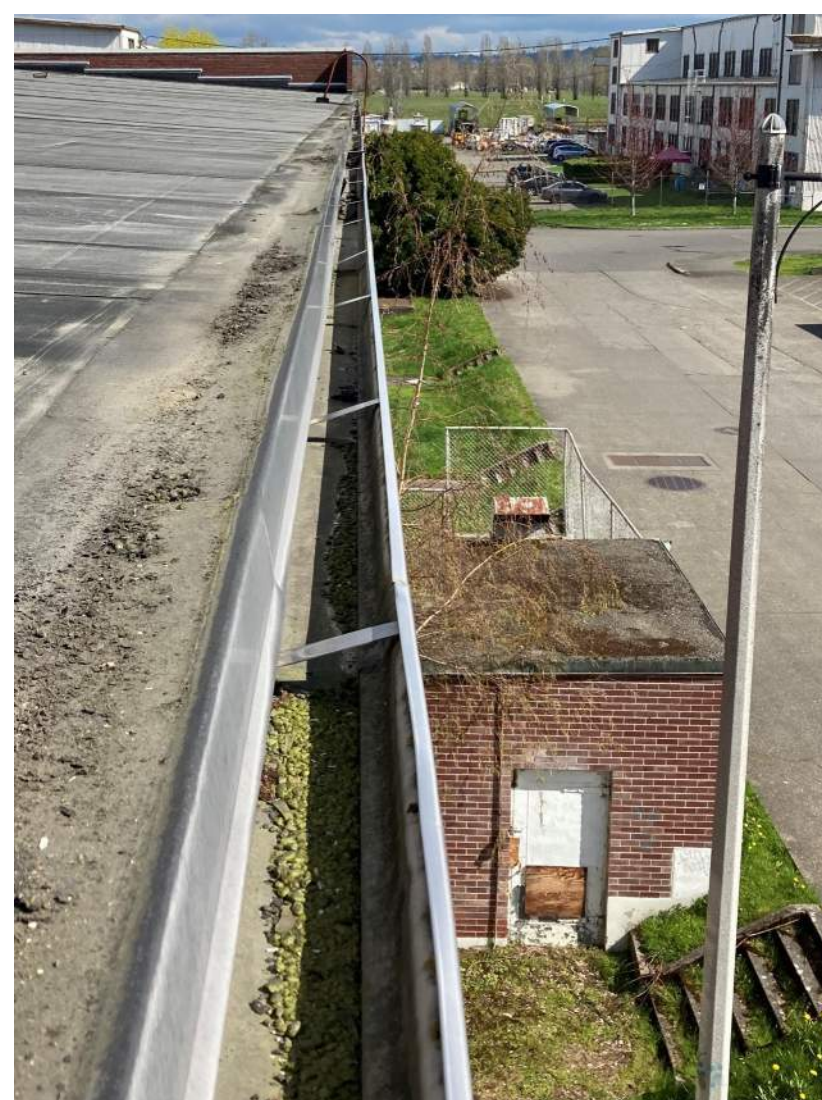
10 ROOF @ W PARAPET
D5.1a NTS



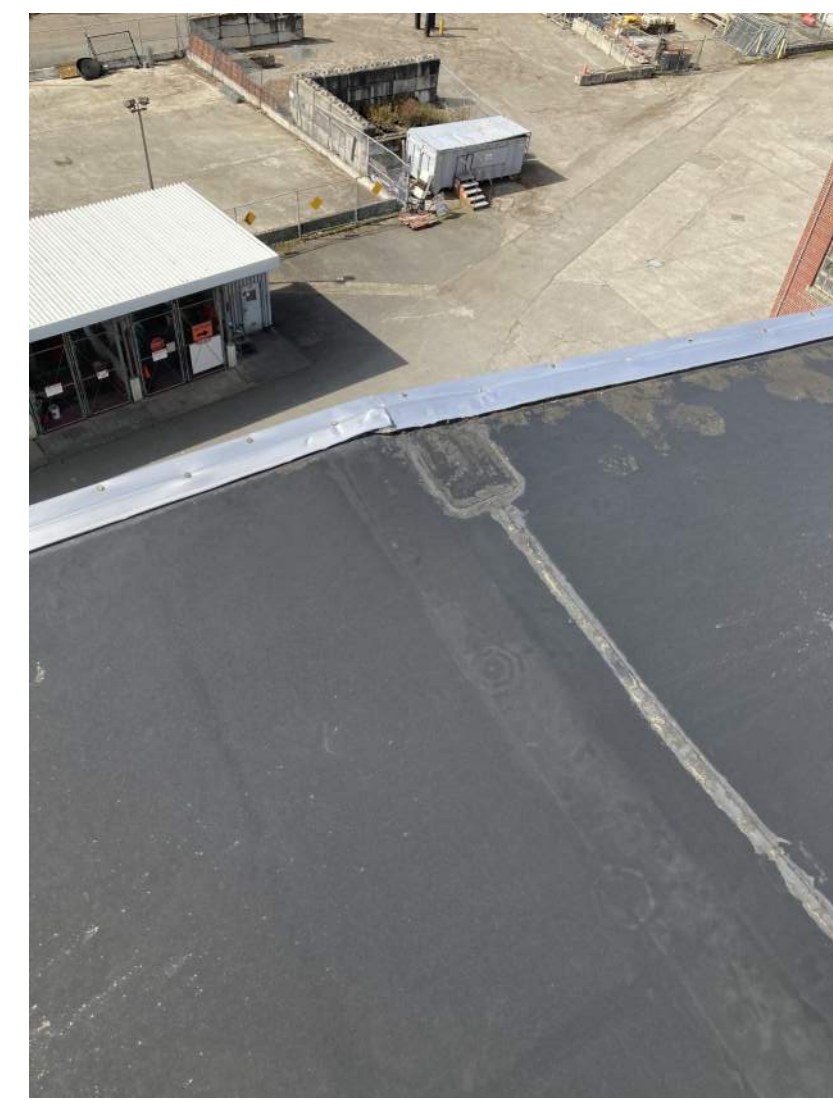
11 WALL @ LOWER ROOF
D5.1a NTS



12 WALL FROM LOWER ROOF
D5.1a NTS



13 GUTTER @ LOWER ROOF
D5.1a NTS



14 ROOF EDGE @ UPPER ROOF
D5.1a NTS



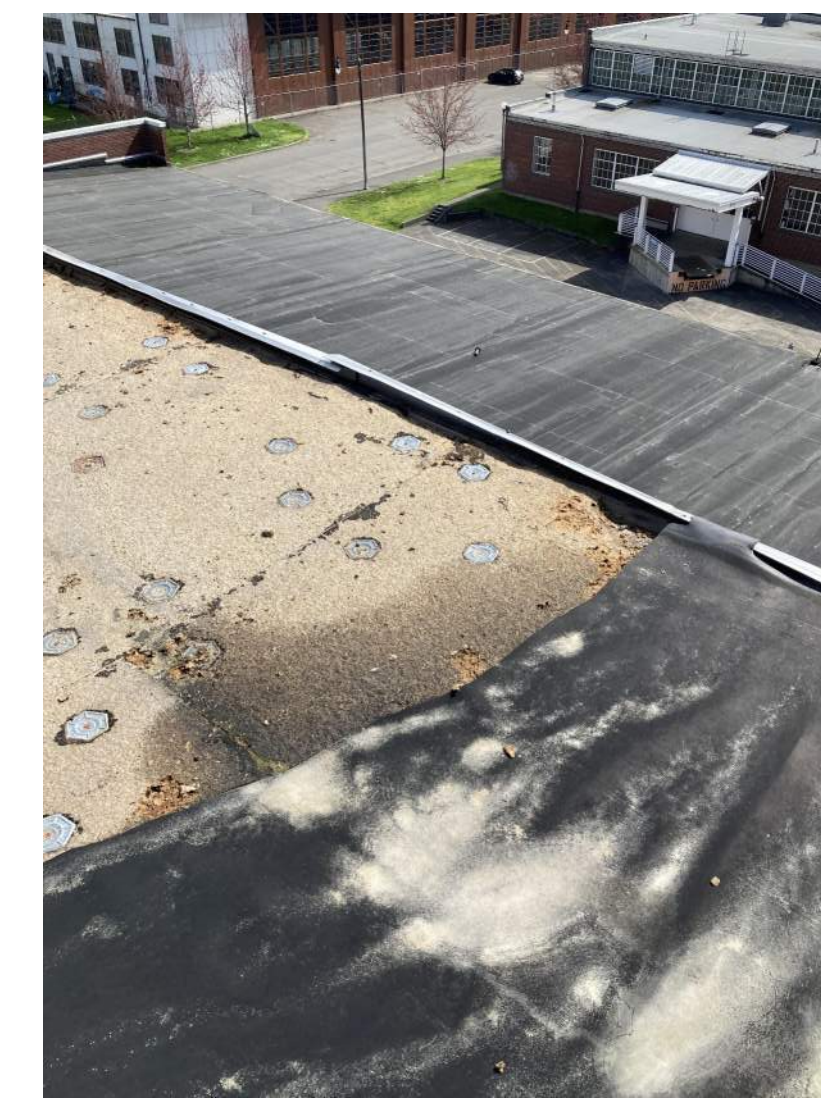
15 WALL @ CLERESTORY
D5.1a NTS



16 WALL @ CLERESTORY
D5.1a NTS



17 WALL @ CLERESTORY
D5.1a NTS



18 ROOF EDGE @ UPPER ROOF
D5.1a NTS



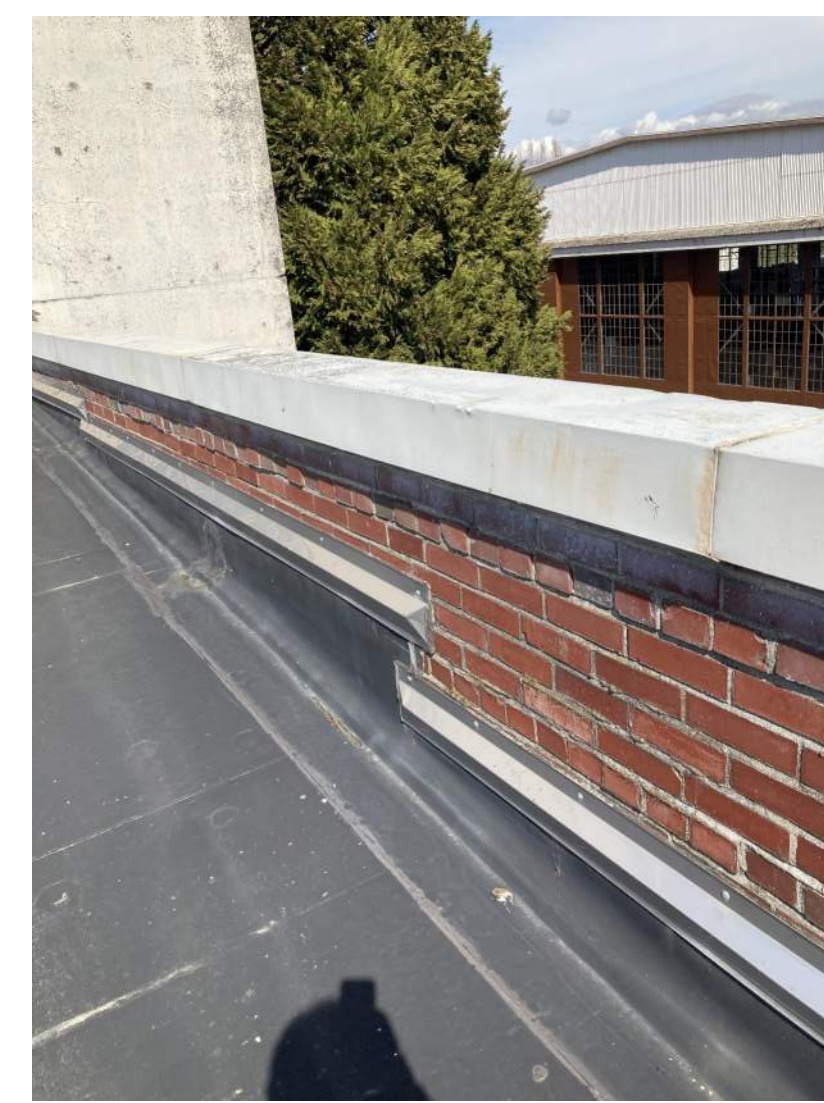
22 PARAPET @ SW TOWER
D5.1a NTS



23 EAST PARAPET
D5.1a NTS



19 WALL @ CLERESTORY
D5.1a NTS



20 PARAPET @ LOWER ROOF
D5.1a NTS



21 PARAPET @ SE TOWER
D5.1a NTS

>>>>CAUTION - CALL 811<<<<
UTILITY NOTIFICATION CENTER
BEFORE YOU DIG!
WWW.CALL811.COM

Also, verify all underground utilities not located by the 811 service by using a commercial location service and call SPR Inspection Request Line (206) 684-7034.

RECORD DRAWING

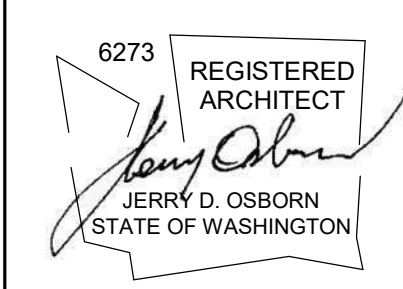
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G:\Shared drives\ARCH - Projects\Seattle\11 Seattle Parks\2018\1011.04 Magnuson Building 2 Floor\4. Drawings\Revit\Big 42_138 Permi_Submittal_29 June.rvt 6/29/2022 11:17:27 AM

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NO.	REVISION - AS BUILT	DATE

REVIEWED: _____
PARK ENGINEER DATE

All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.



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p. (206) 631-8442 | http://www.oaip.com



WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE
BUILDING #2 ROOF
REPLACEMENTS

BUILDING #2 - ROOF PHOTOS

DESIGNED	JJM	DATE	6/29/2022
DRAWN	JJM		
CHECKED	KN	SHEET	9 OF 22
ORDINANCE NO.	PRK730300-142		
CONTRACT NO.	PR2020-033		
SCALE	1" = 1'-0" (U.N.O.)		

D5.1a

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1 ROOF EDGE EAST
 D5.2a 1" = 1'-0"



2 ROOF EDGE EAST
 D5.2a 1" = 1'-0"



3 ROOF EDGE EAST
 D5.2a 1" = 1'-0"



4 ROOF EDGE EAST
 D5.2a 1" = 1'-0"



5 ROOF EDGE EAST
 D5.2a 1" = 1'-0"



6 ROOF EDGE EAST
 D5.2a 1" = 1'-0"



7 ROOF EDGE WEST
 D5.2a 1" = 1'-0"



8 ROOF EDGE WEST
 D5.2a 1" = 1'-0"



9 ROOF EDGE WEST
 D5.2a 1" = 1'-0"



10 ROOF EDGE WEST
 D5.2a 1" = 1'-0"



11 ROOF EDGE WEST
 D5.2a 1" = 1'-0"



12 ROOF EDGE SOUTH
 D5.2a 1" = 1'-0"



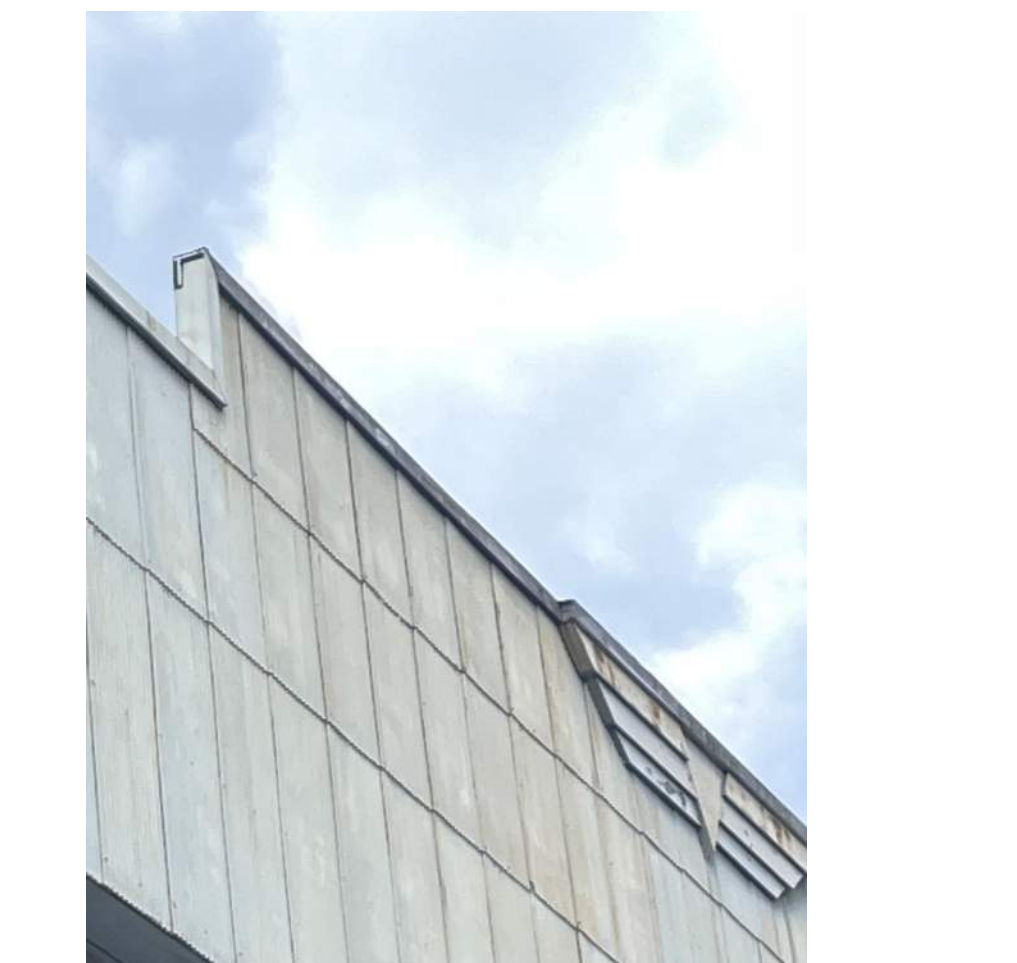
13 ROOF EDGE SOUTH
 D5.2a 1" = 1'-0"



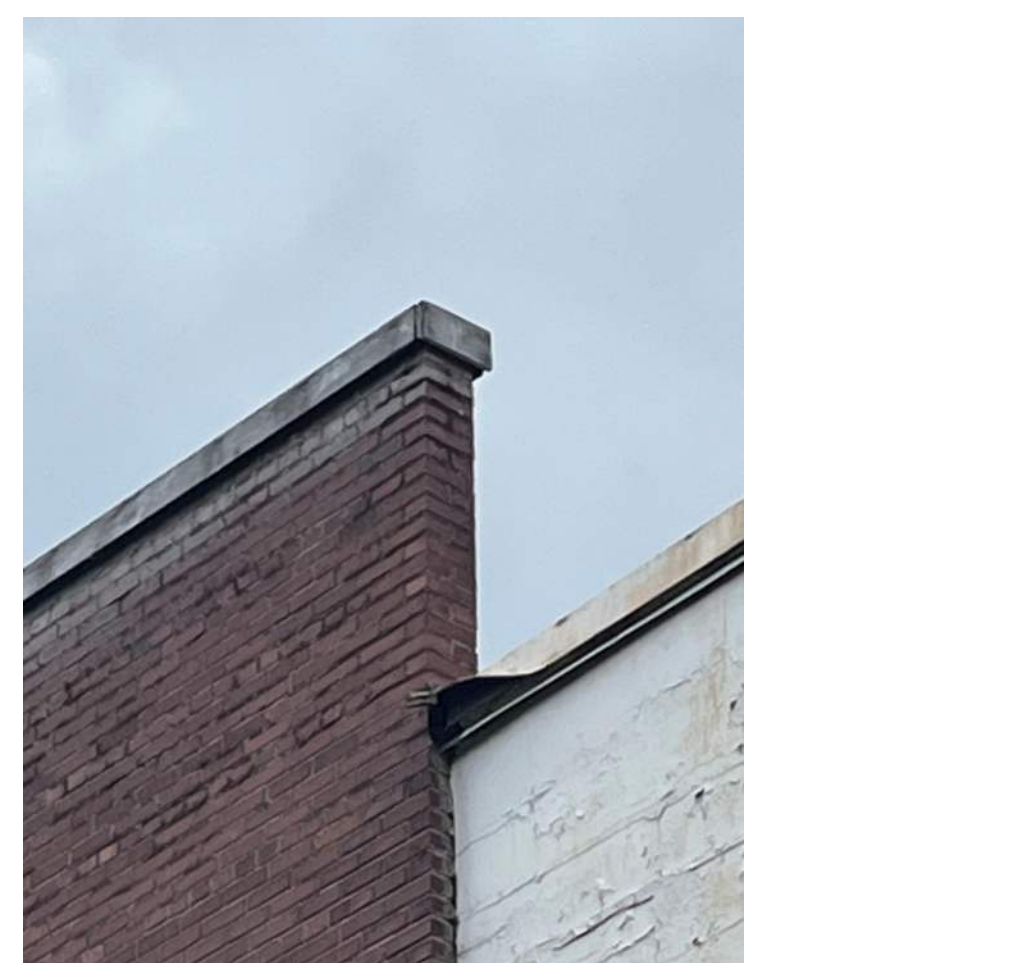
14 ROOF EDGE SOUTH
 D5.2a 1" = 1'-0"



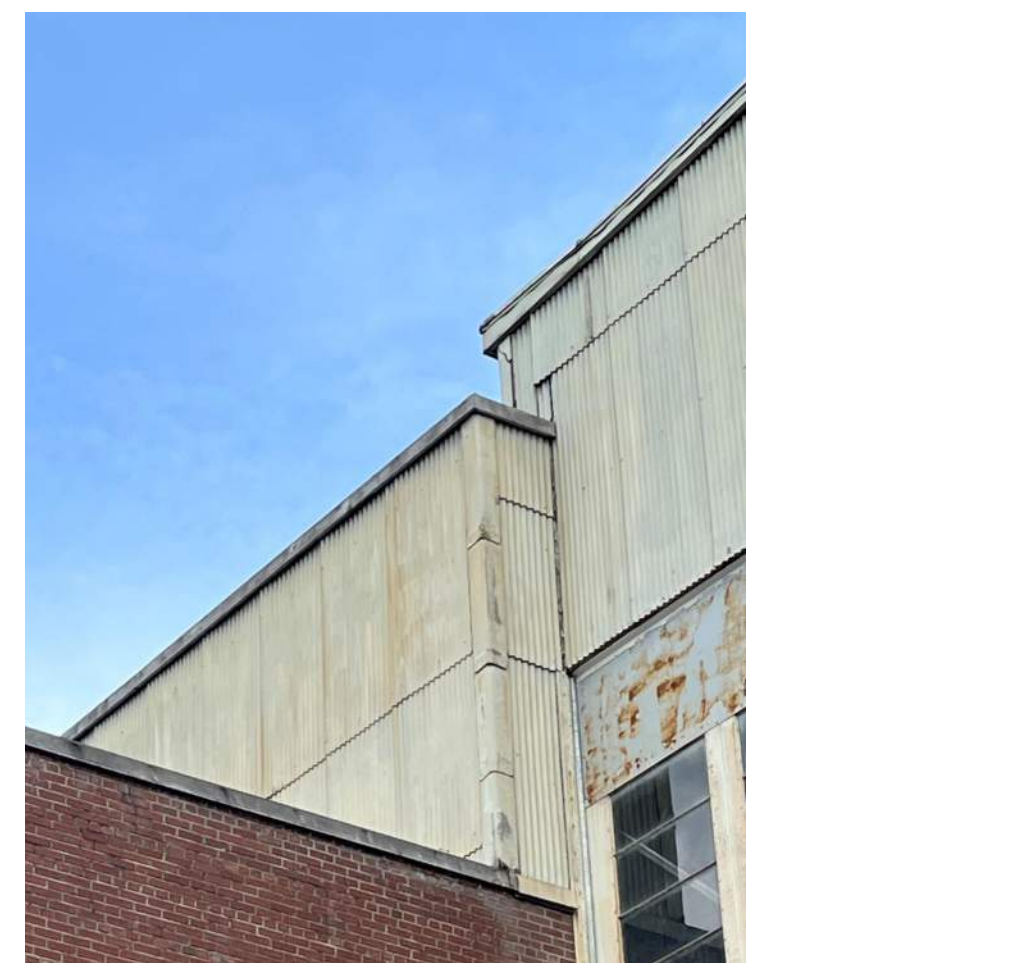
15 ROOF EDGE EAST
 D5.2a 1" = 1'-0"



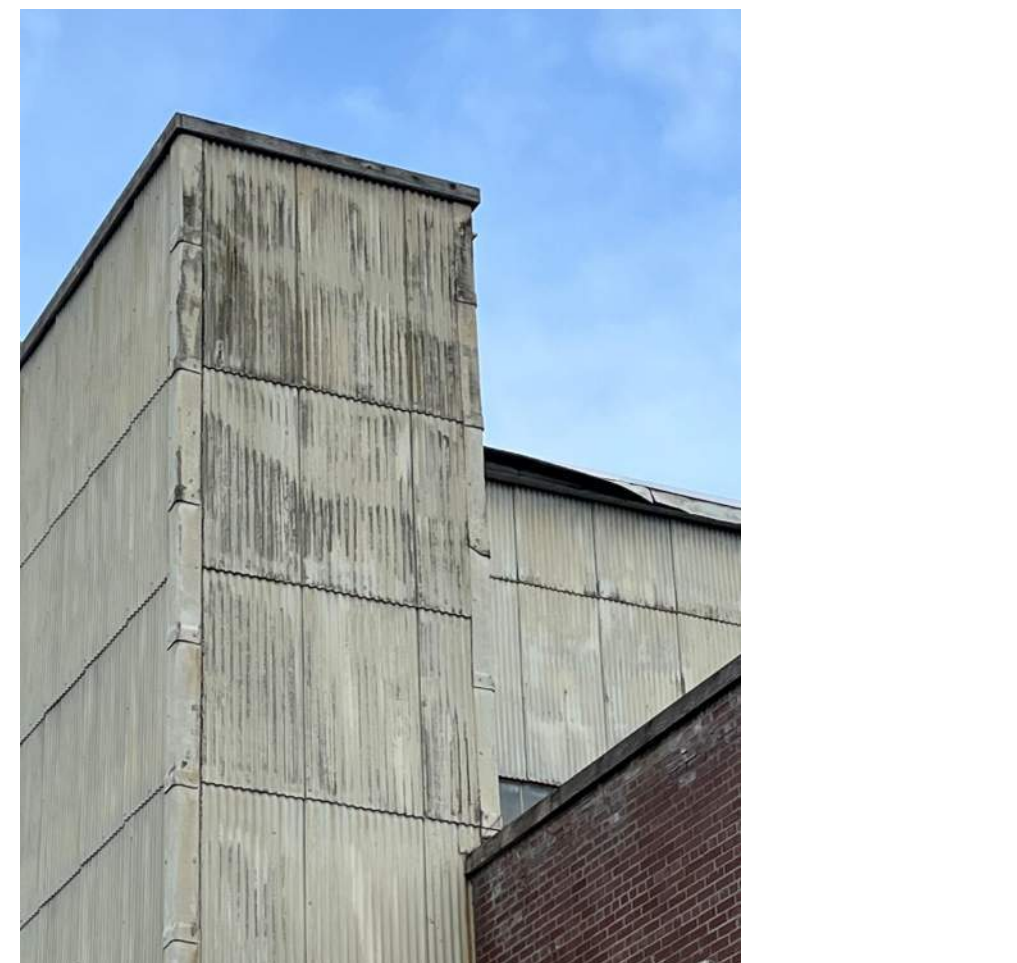
16 ROOF EDGE EAST
 D5.2a 1" = 1'-0"



17 ROOF EDGE EAST
 D5.2a 1" = 1'-0"



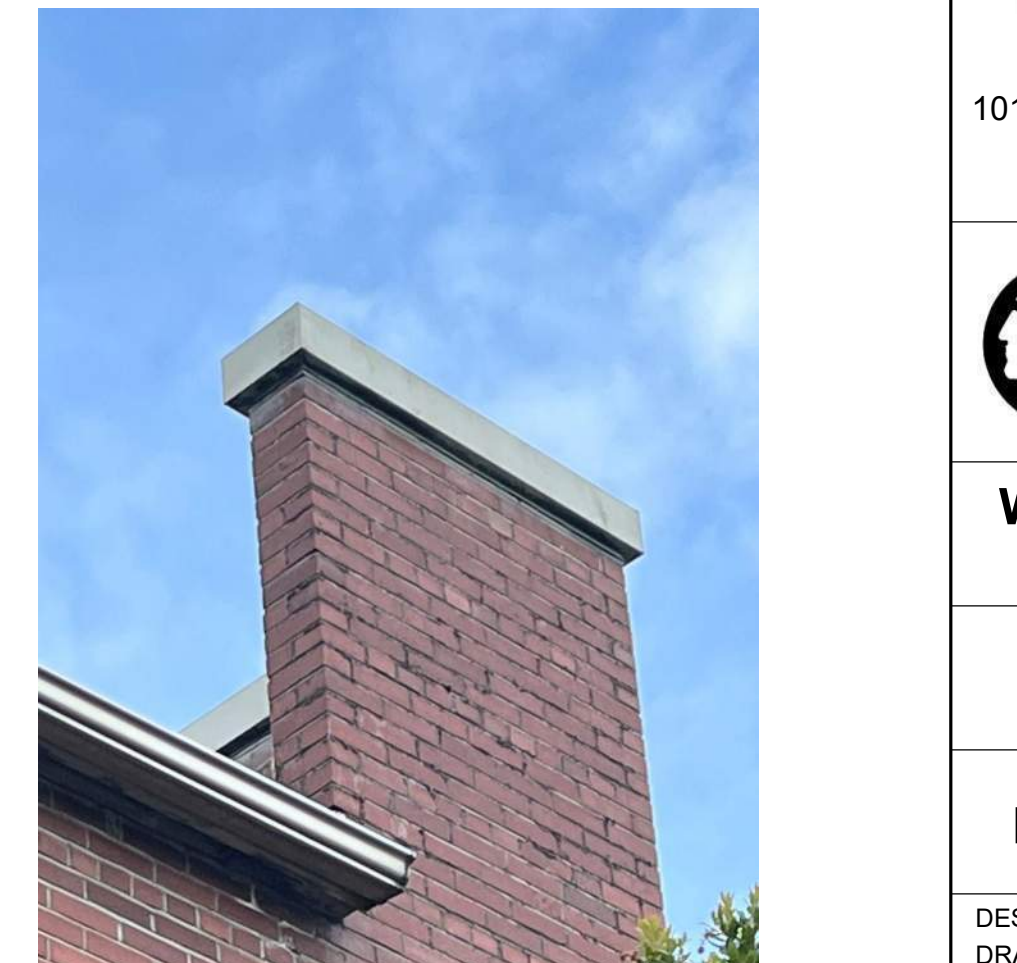
18 ROOF EDGE WEST
 D5.2a 1" = 1'-0"



19 ROOF EDGE WEST
 D5.2a 1" = 1'-0"



20 ROOF EDGE SOUTH
 D5.2a 1" = 1'-0"

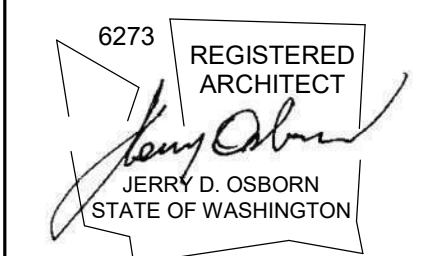


21 ROOF EDGE SOUTH
 D5.2a 1" = 1'-0"

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NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
 PARK ENGINEER _____ DATE _____

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WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS

BUILDING #2 - ROOF PHOTOS

DESIGNED Author _____ DATE 6/29/2022
 DRAWN Designer _____
 CHECKED Checker _____ SHEET 10 OF 22

ORDINANCE NO. _____
 CONTRACT NO. _____

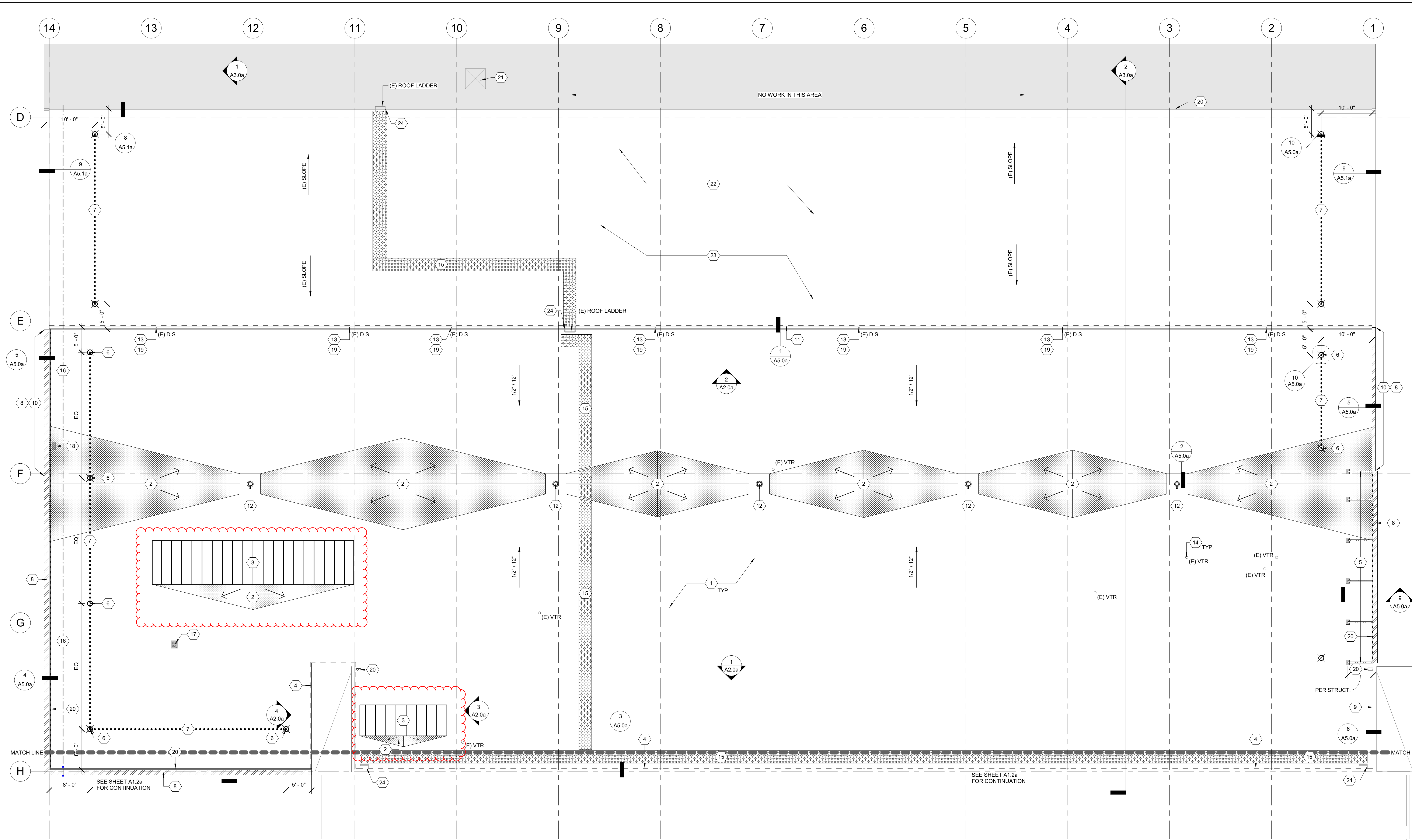
SCALE 1" = 1'-0" (U.N.O.) **D5.2a**

>>>>CAUTION - CALL 811<<<<
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BEFORE YOU DIG!
WWW.CALL811.COM

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RECORD DRAWING

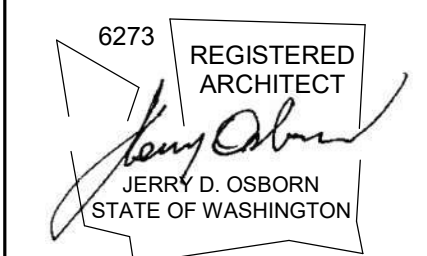
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NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
 PARK ENGINEER _____ DATE _____

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WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS

BUILDING #2 - ROOF REPLACEMENT PLAN

DESIGNED	JJM	DATE	08/08/2022
DRAWN	JJM		
CHECKED	KN	SHEET	11 OF 22

ORDINANCE NO. PRK730300-142
 CONTRACT NO. PR2020-033

A1.0a

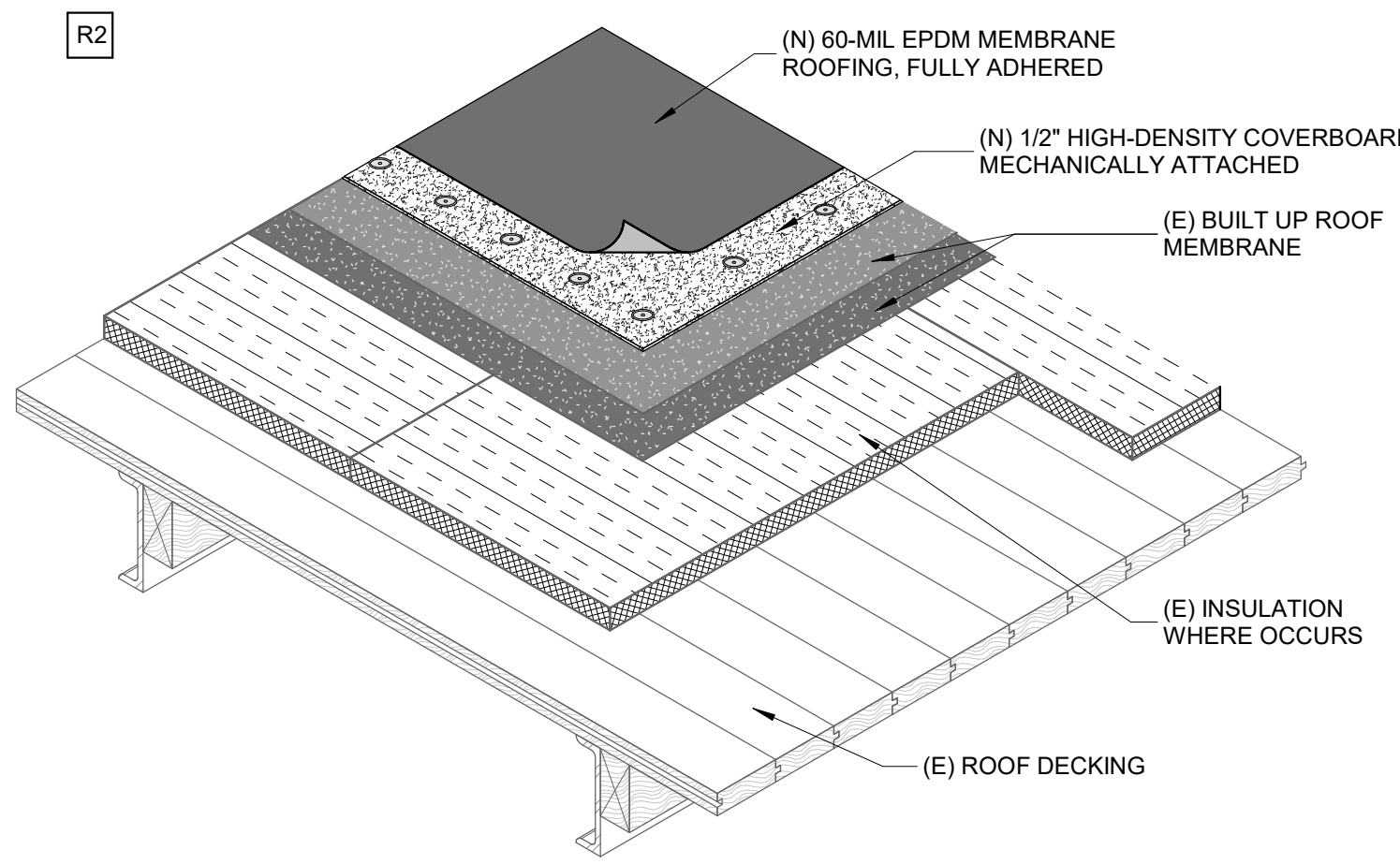
SCALE As Indicated (U.N.O.)

1 BUILDING 2 - NORTH HANGAR ROOF PLAN

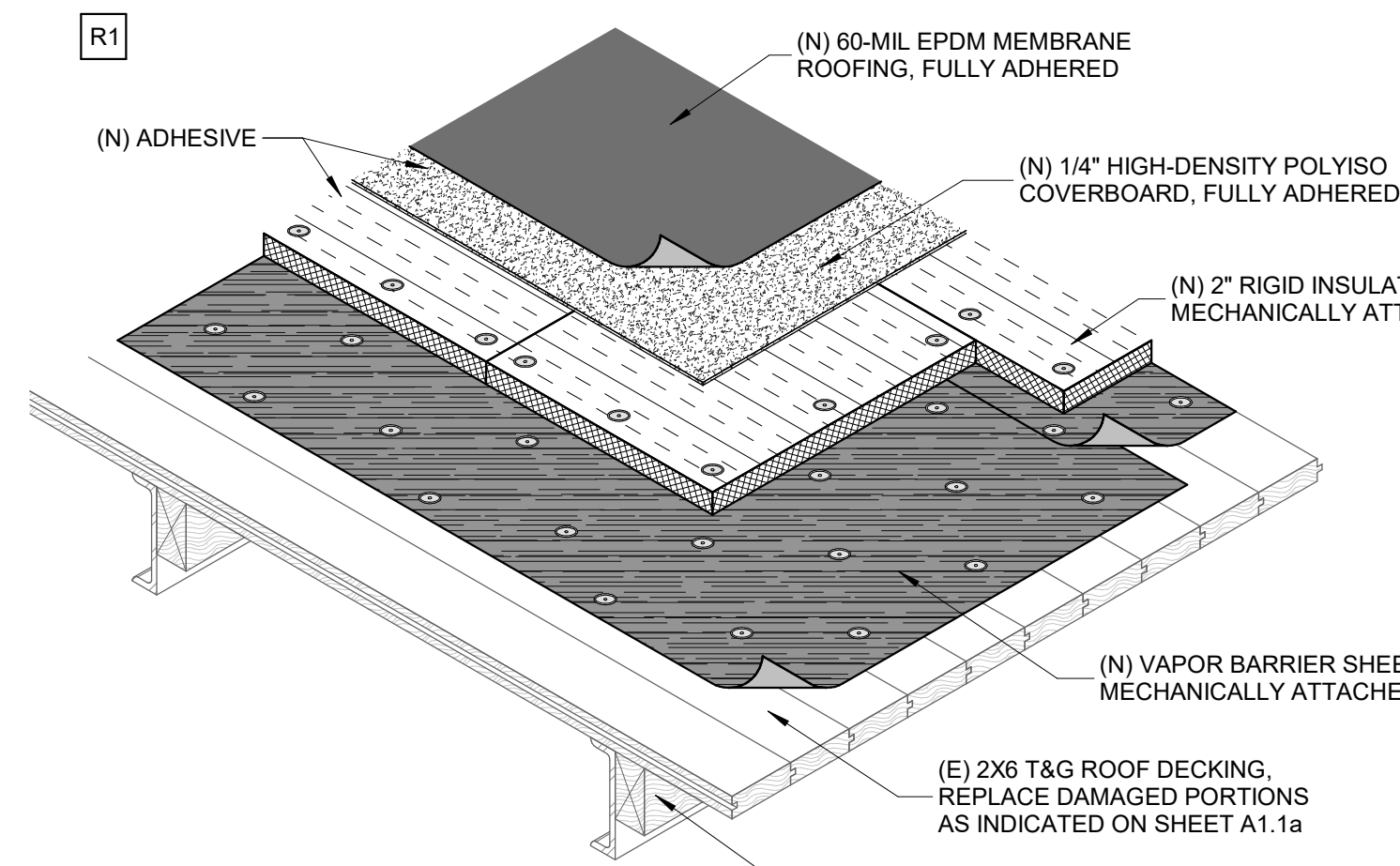
A1.0a
 1/8" = 1'-0"

- ROOF REPLACEMENT KEYNOTES**
- 1 (N) EPDM ROOF ASSEMBLY PER 2/A1.0a, TYP R1
 - 2 (N) TAPERED INSULATION CRICKET, MIN 1/2" PER FOOT
 - 3 (N) LAMINATION GLAZING IN (E) SKYLIGHT FRAME
 - 4 FUTURE REPLACEMENT GLAZING BY OTHERS, N.T.C.
 - 5 (N) STRUCTURAL BRACING AT MASONRY PARAPET, SEE STR
 - 6 (N) FALL PROTECTION ANCHOR OVER 3/4" CDX PLYWOOD
 - 7 (N) HORIZONTAL LIFELINE WITH IMPACT ABSORBER
 - 8 (N) 22GA PRE-FINISHED STANDING SEAM METAL COPING OVER HTSAM
 - 9 (N) 22GA PRE-FINISHED METAL COUNTERFLASHING PER DETAILS
 - 10 (N) 2X PT BLOCKING AT PARAPET, HEIGHT PER DETAIL
 - 11 NOT USED
 - 12 (N) ROOF DRAIN AND SUMP, CONNECT TO (E) RAINLEADERS
 - 13 MODIFY (E) DOWNSPOUT WITH NEW ELBOW TO DRAIN TO ROOF
 - 14 (N) PIPE FLASHING AT EXISTING VTR, TYP.
 - 15 (N) ROOFING WALKWAY PAD
 - 16 (E) CONDUIT TO REMAIN, REPLACE SUPPORT BLOCKS AS NEEDED
 - 17 INSTALL (N) EPDM PROTECTION PAD BENEATH (E) SATELLITE DISH TO REMAIN.
 - 18 INSTALL (N) EPDM PROTECTION PAD BENEATH (E) LIGHT FIXTURE TO REMAIN.
 - 19 (N) STAINLESS STEEL SPLASH PAN AT (E) DOWNSPOUT
 - 20 (E) GUTTER AND DOWNSPOUT TO REMAIN
 - 21 (E) ROOF HATCH TO REMAIN
 - 22 EPDM MEMBRANE ROOF OVERLAY FULLY ADHERED TO (E) ROOF SURFACE PER 3/A1.0A
 - 23 REMOVE DEBRIS, CLEAN AND PREPARE PER MFR (E) ROOF SURFACE, TYPE R2
 - 24 (E) ROOF LADDER TO REMAIN; REWORK AND FLASH PENETRATIONS AND/OR PITCH POCKETS FOR WATERPROOF CONDITIONS, TYP.
 - 25 NEW SPLASH BLOCK PER DETAIL 10/A5.0a

- SHEET LEGEND**
- (N) EPDM ROOF ASSEMBLY PER DETAIL 2/A1.0a
 - (N) TAPERED CRICKET, MIN. 1/2" PER FOOT SLOPE
 - (N) SHEET METAL FLASHING
 - (N) ROOFING WALKWAY PAD
 - (E) BUILDING - NOT IN SCOPE OF WORK
 - (N) FLASHING AT ALL (E) DUCTS AND PENETRATIONS, TYP.
 - SHEET KEYNOTE
 - NEW CONSTRUCTION
 - EXISTING CONSTRUCTION
 - (E) CONDUIT TO REMAIN
 - (N) EPDM MEMBRANE AT WALL
 - (N) HORIZONTAL LIFELINE
- ABBREVIATIONS:**
- | | |
|--------|---------------------------------|
| (E) | EXISTING CONSTRUCTION |
| (N) | NEW CONSTRUCTION |
| ACM | ASBESTOS CONTAINING MATERIAL |
| CAB | CORRUGATED ASBESTOS BOARD |
| CSTRY | CLERESTORY |
| D.S. | DOWNSPOUT |
| FPA | FALL PROTECTION ANCHOR |
| HLL | HORIZONTAL LIFELINE |
| HTSAM | HIGH-TEMP SELF-ADHERED MEMBRANE |
| N.T.C. | NOT IN CONTRACT |
| PT | PRE-TREATED |
| RWL | RAINWATER LEADER |
| T&G | TONGUE & GROOVE |
| TWR | TOWER (REFERS TO DOOR TOWERS) |
| URM | UNREINFORCED MASONRY |
| V.I.F. | VERIFY IN FIELD |
| VTR | VENT THROUGH ROOF |

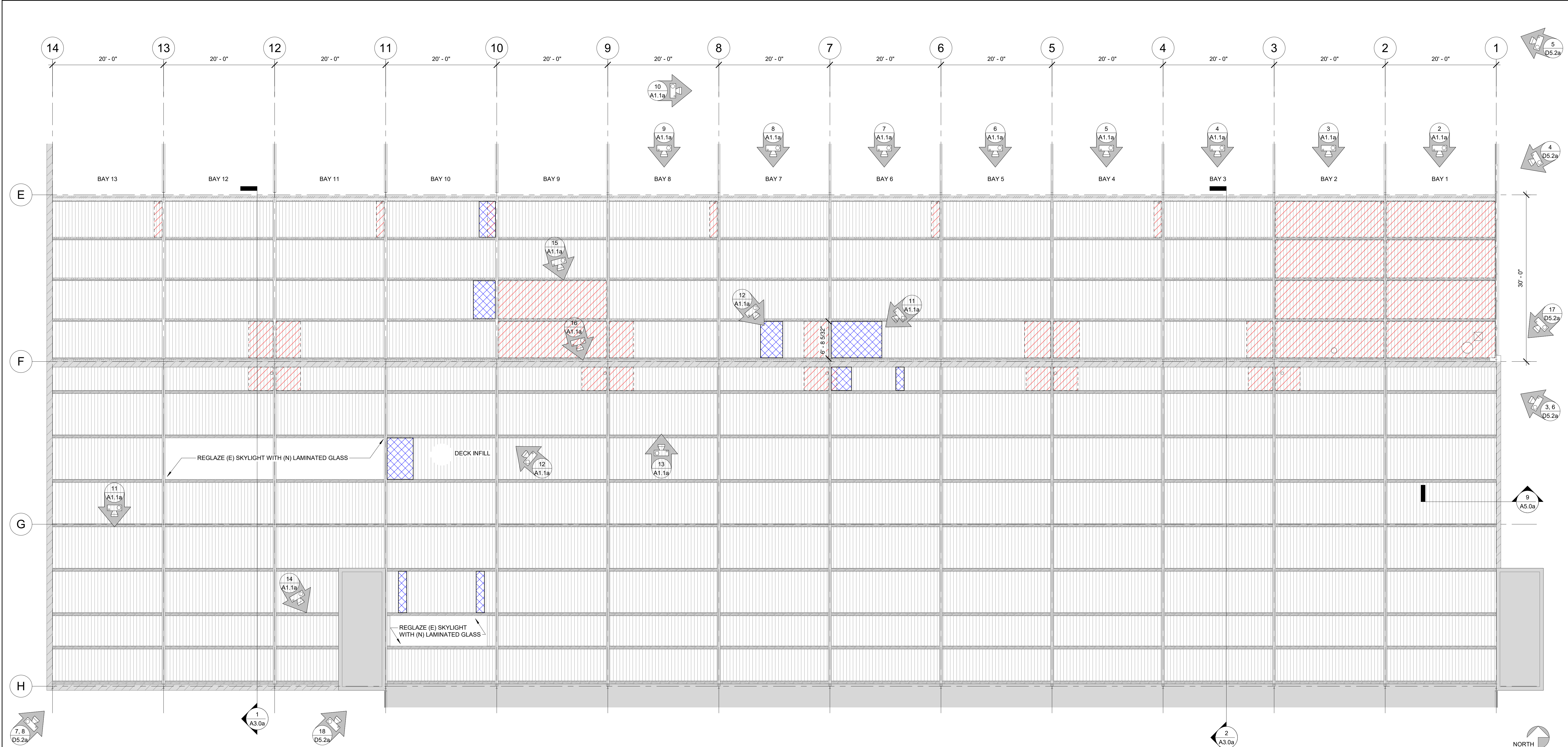


2 OVERLAY ROOF ASSEMBLY
 A1.0a NTS



1 REPLACEMENT ROOF ASSEMBLY
 A1.0a NTS

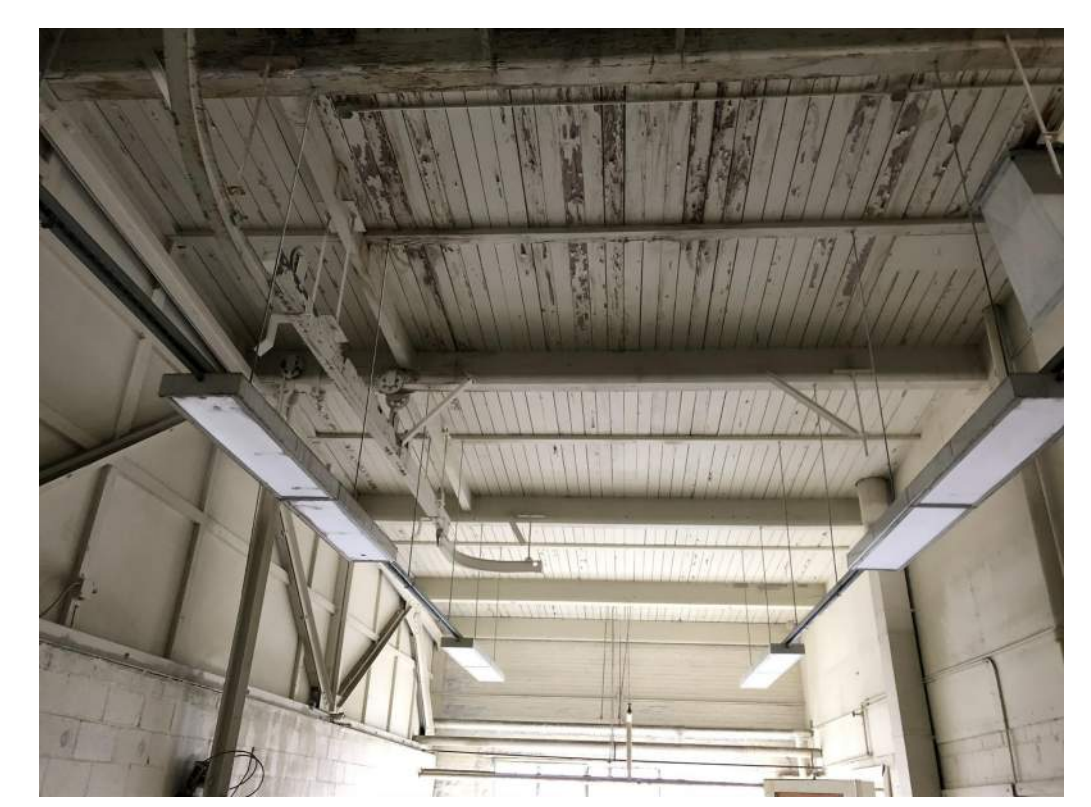
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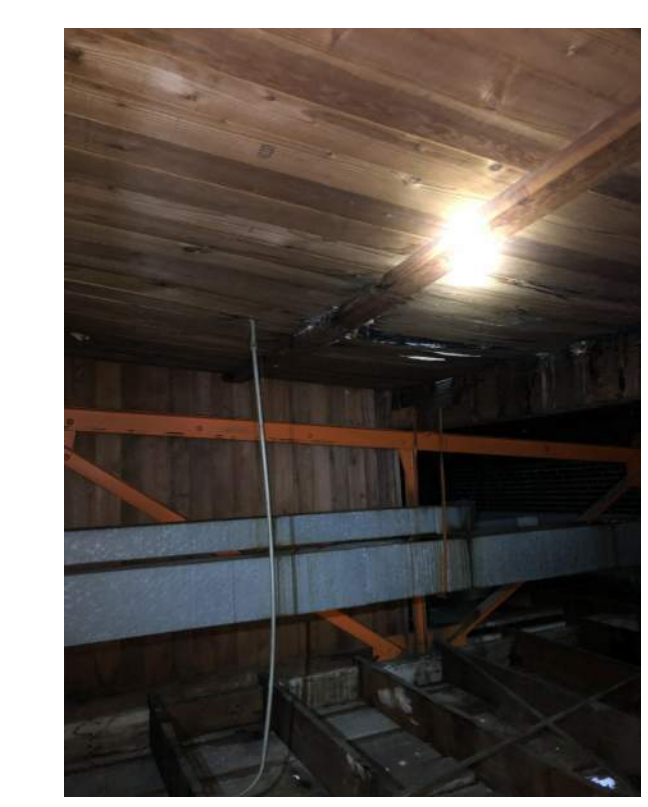
1 REFLECTED ROOF DECK REPLACEMENT PLAN
 1/8" = 1'-0"

DRAWING LEGEND

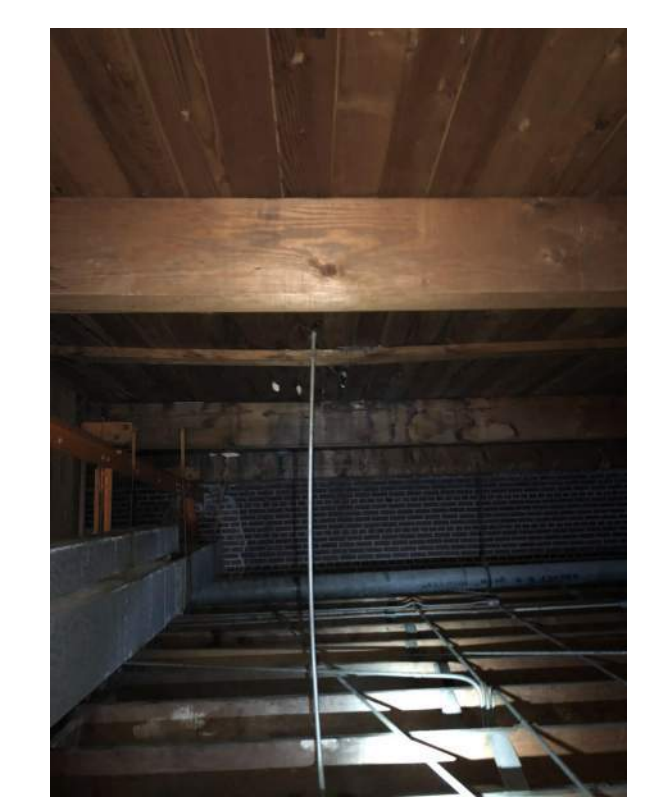
- DEMOLISH (E) DAMAGED DECKING AND REPLACE WITH (N) 2X6 T&G TO MATCH EXISTING
- INFILL EXISTING OPENING WITH (N) 2X6 T&G DECKING TO MATCH ADJACENT
- NOT IN SCOPE OF WORK



11 SW DECK AT PAINT SHOP
NTS



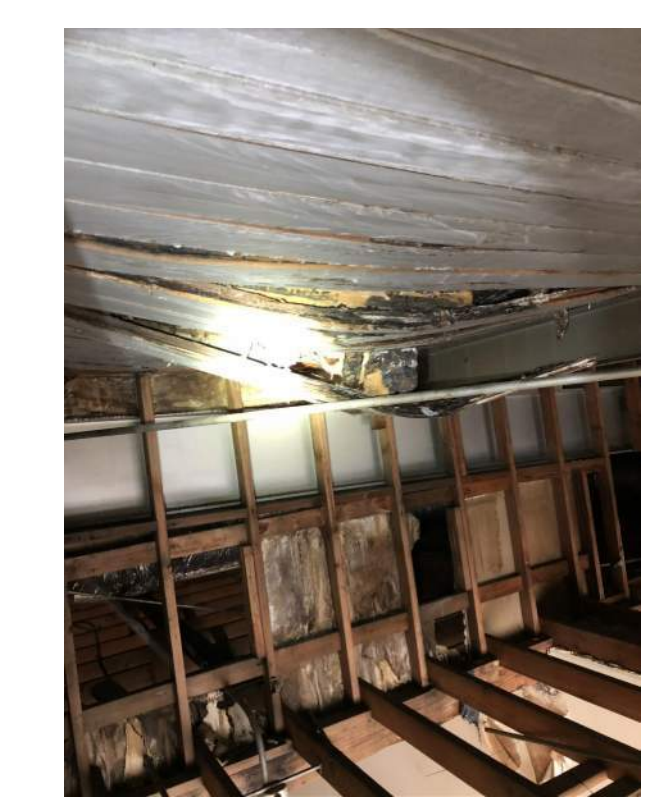
12 SOUTH OF "F"
NTS



13 SOUTH AT "F"
NTS



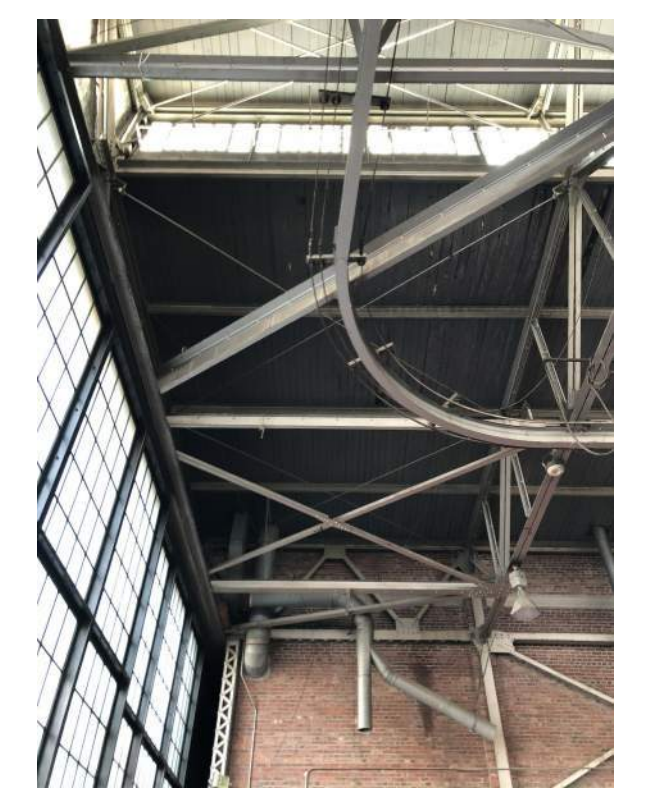
14 SW WORKSHOP
NTS



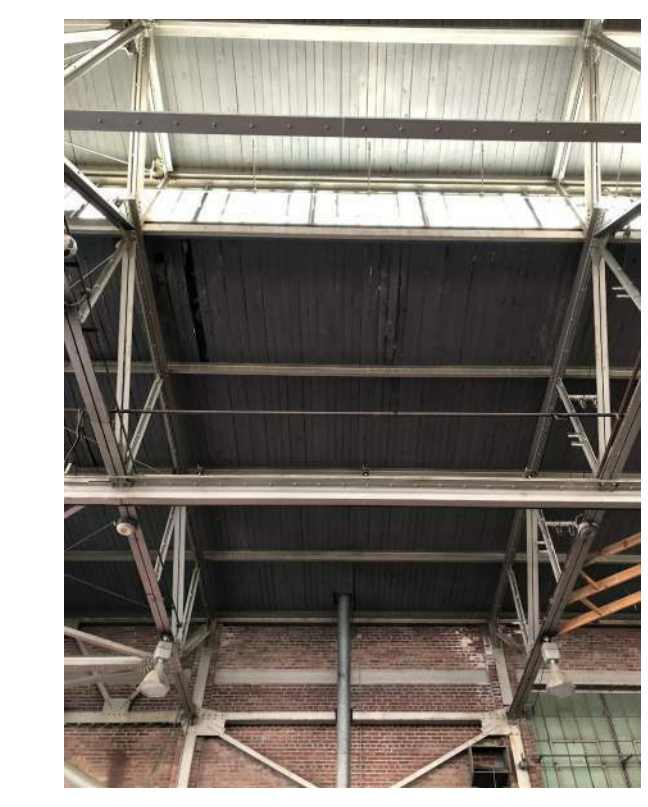
15 NORTH MEZZ.
NTS



16 RWL THRU "F"
NTS



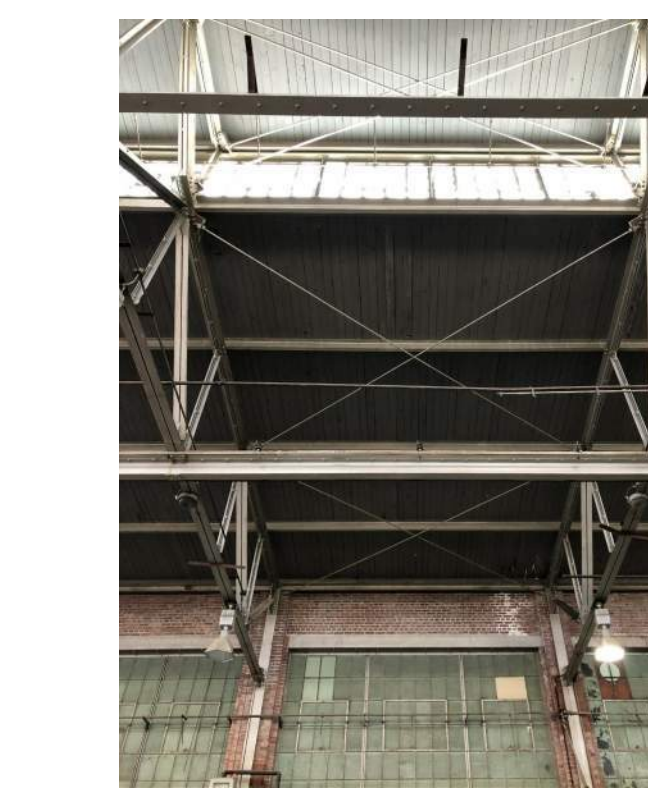
2 HANGAR BAY 1
NTS



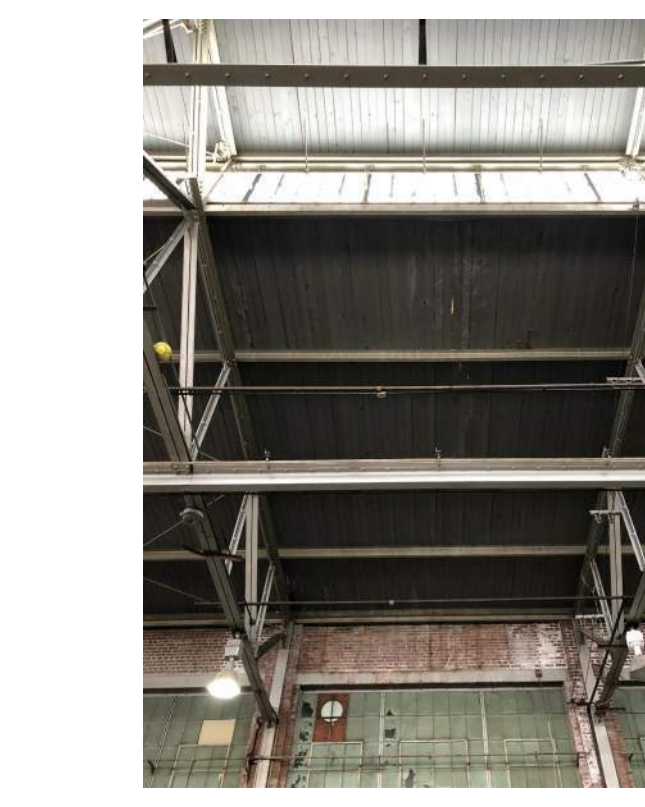
3 HANGAR BAY 2
NTS



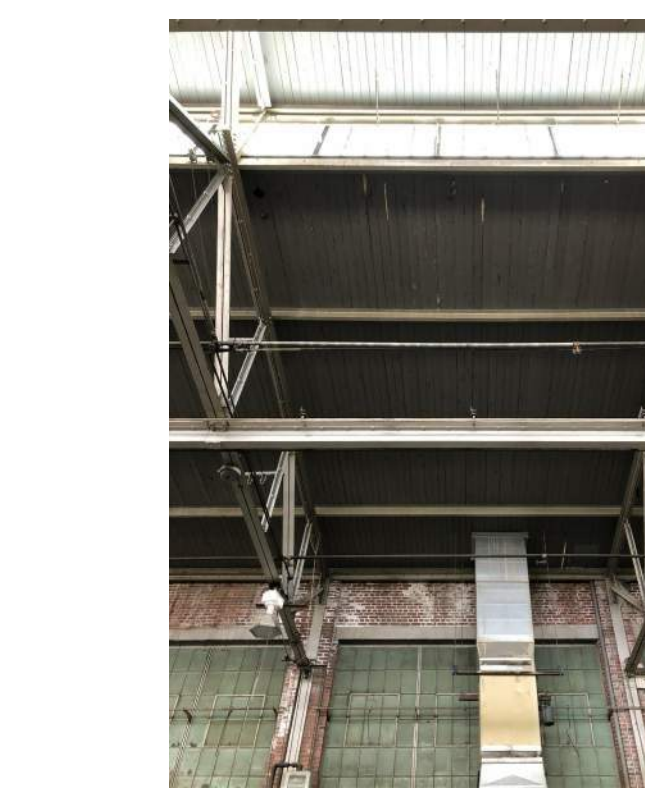
4 HANGAR BAY 3
NTS



5 HANGAR BAY 4
NTS



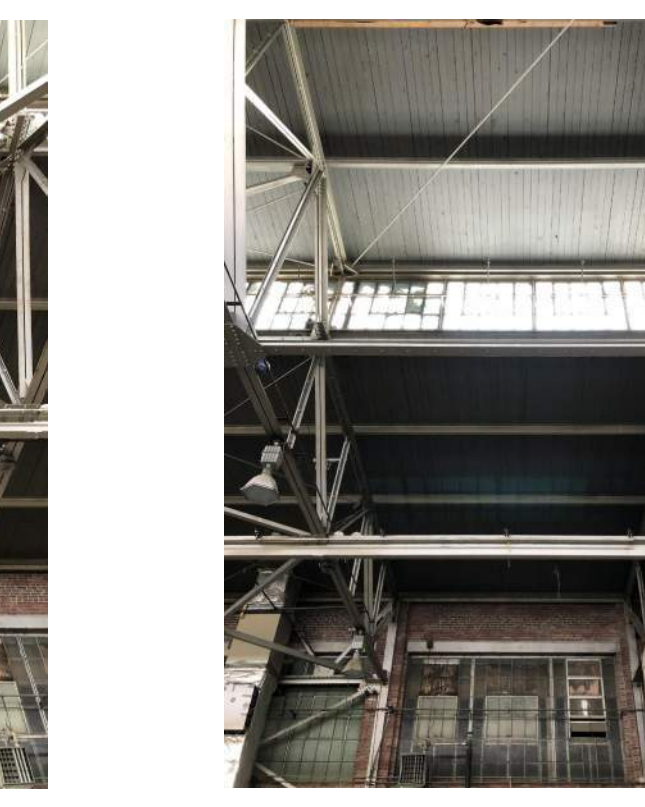
6 HANGAR BAY 5
NTS



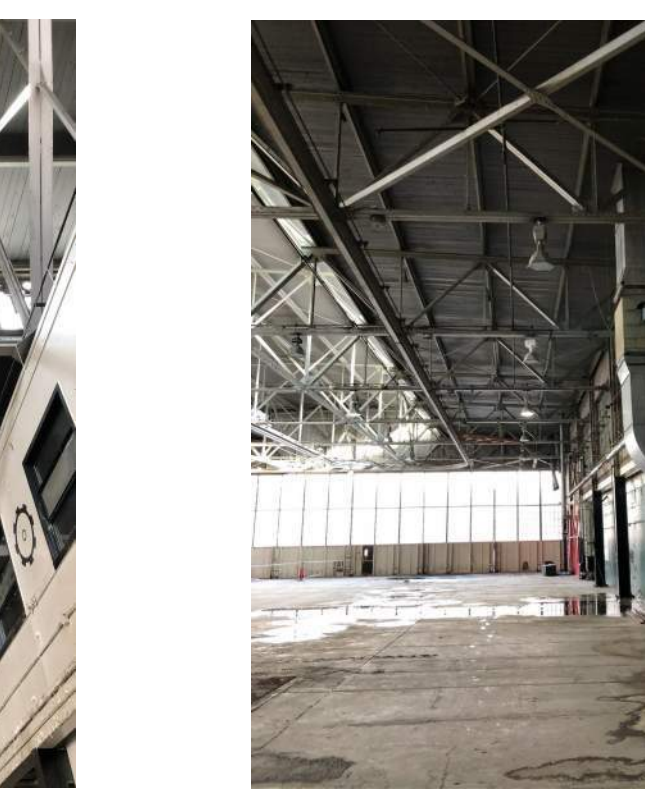
7 HANGAR BAY 6
NTS



8 HANGAR BAY 7
NTS



9 HANGAR BAY 8
NTS



10 GRIDS E-F
NTS

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NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
 PARK ENGINEER _____ DATE _____

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6273 REGISTERED ARCHITECT
 JERRY D. OSBORN
 STATE OF WASHINGTON



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 p. (206) 631-8442 | http://www.oaip.com



WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS
BUILDING #2 - ROOF DECK REPLACEMENT PLAN

DESIGNED	JIM	DATE	08/08/2022
DRAWN	JIM	SHEET	12 OF 22
CHECKED	KN		
ORDINANCE NO.	PRK730300-142		
CONTRACT NO.	PR2020-033		
SCALE	As Indicated (U.N.O.)		

A1.1a

8/2/2022 2:26:51 PM G:\Shared drives\ARCH - Projects\Seattle\11 Seattle Parks\2019\101104 Magnuson Building 2 Roof Decking\Rev\Map Bldg #2 Permit Submittal 20 Jul.rvt

>>>>CAUTION - CALL 811<<<<
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BEFORE YOU DIG!
WWW.CALL811.COM

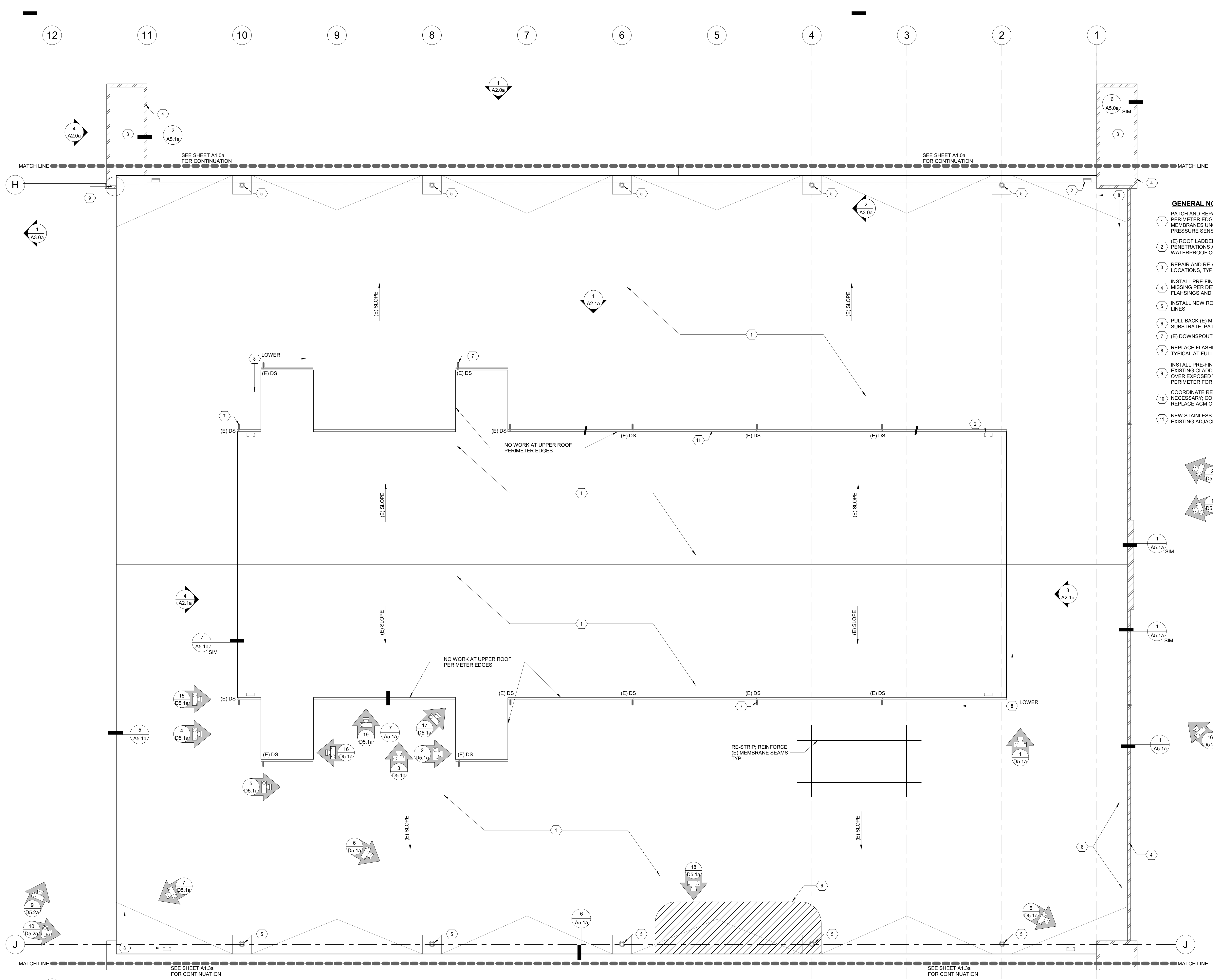
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GENERAL NOTES

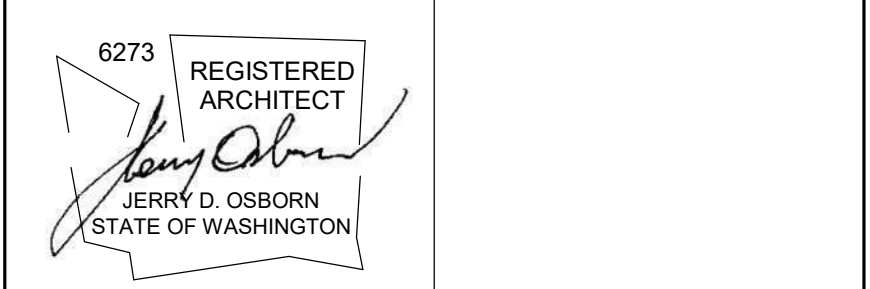
- 1 PATCH AND REPAIR ALL ROOF AREAS; REWORK ALL PERIMETER EDGE CONDITIONS WITH NEW FLASHING AND MEMBRANES UNO PER DETAILS; STRIP IN ALL SEAMS WITH PRESSURE SENSITIVE FLASHING
- 2 (E) ROOF LADDER TO REMAIN; REWORK AND FLASH PENETRATIONS AND/OR PITCH POCKETS FOR WATERPROOF CONDITION, TYP
- 3 REPAIR AND RE-ATTACH MEMBRANE ROOFING AT TOWER LOCATIONS, TYP
- 4 INSTALL PRE-FINISHED MTL FLASHING AND COPING WHERE MISSING PER DETAILS AND RE-ATTACH AND SEAL (E) MTL FLASHINGS AND COPING WHERE STILL INTACT
- 5 INSTALL NEW ROOF DRAIN AND SUMP; CONNECT TO (E) LINES
- 6 PULL BACK (E) MEMBRANE WHERE SEPARATED FROM SUBSTRATE; PATCH AND RE-INSTALL FULL ADHERED
- 7 (E) DOWNSPOUT AND SPLASHBLOCK TO REMAIN, TYP
- 8 REPLACE FLASHING AND REWORK MEMBRANE PER DETAILS TYPICAL AT FULL PERIMETER
- 9 INSTALL PRE-FINISHED METAL SADDLE FLASHING UNDER EXISTING CLADDING WHERE POSSIBLE; COUNTER FLASHING OVER EXPOSED WHERE APPLICABLE; SEAL FULL PERIMETER FOR WATERTIGHT CONDITION
- 10 COORDINATE REMOVAL OF CAB SIDING WITH OWNER AS NECESSARY; CONTRACTOR SHALL NOT REMOVE OR REPLACE ACM OR CAB MATERIALS
- 11 NEW STAINLESS STEEL GUTTER ASSEMBLY TO MATCH EXISTING ADJACENT WHERE NOT EXISTING, V.I.F.



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NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
 PARK ENGINEER _____ DATE _____

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WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS

BUILDING #2 - ROOF REPAIR PLAN - NORTH

DESIGNED: JIM DATE: 6/29/2022
 DRAWN: CY
 CHECKED: KN SHEET 13 OF 22

ORDINANCE NO. PRK730300-142
 CONTRACT NO. PR2020-033
 SCALE: As Indicated (U.N.O.)

A1.2a

G:\Shared\shives\ARCH - Projects\Seattle\11 Seattle Parks\2019\1911.04 Magnuson Building 2 North - Drawings\Roof\Bldg #2 - 138 Permt - Submittal 29 June.rvt 6/29/2022 11:16:25 AM

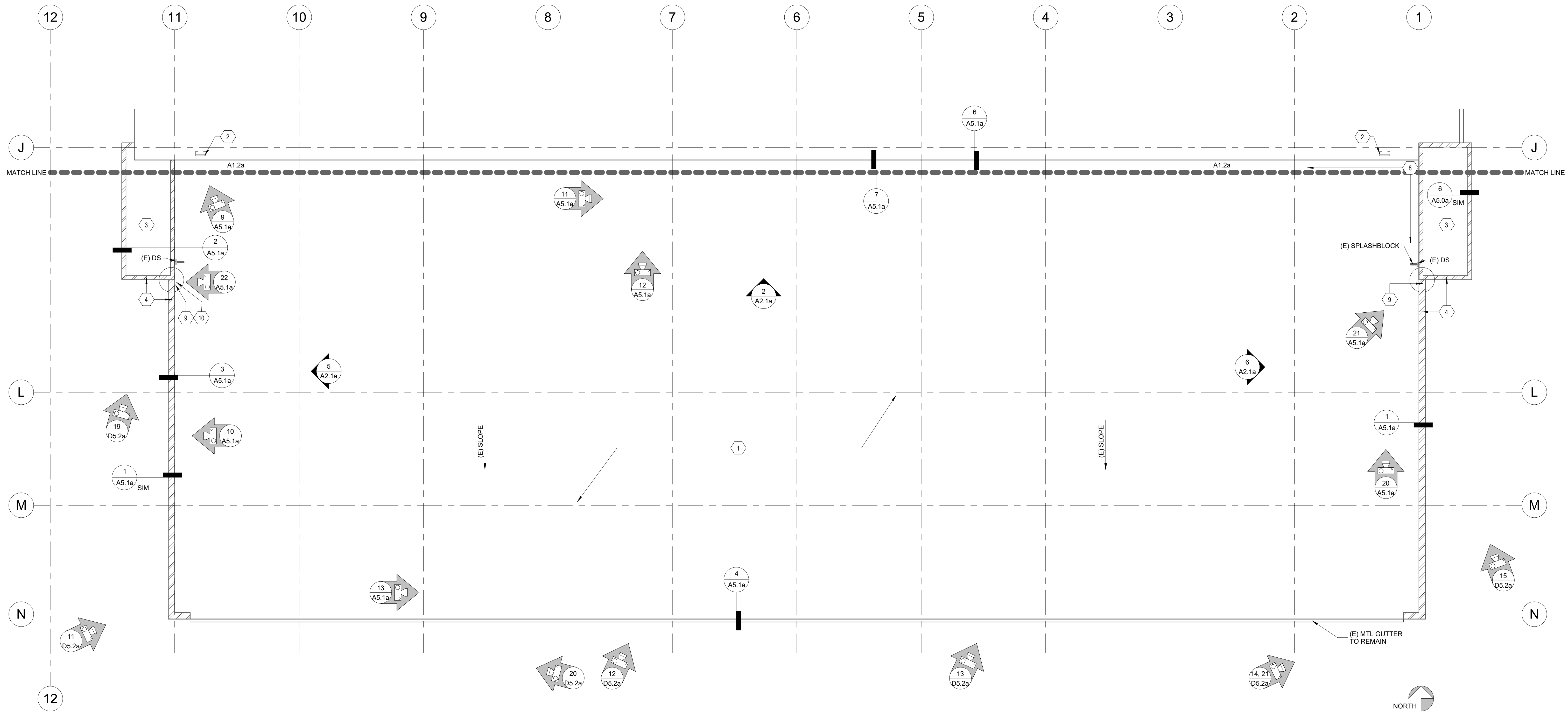
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A1.2a
BUILDING 2 - SOUTH HANGAR ROOF PLAN
 1/8" = 1'-0"

>>>>CAUTION - CALL 811<<<<
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A1.3a
BLDG 2 - SOUTH HANGAR PLAN - SOUTH ADDITION
 1/8" = 1'-0"

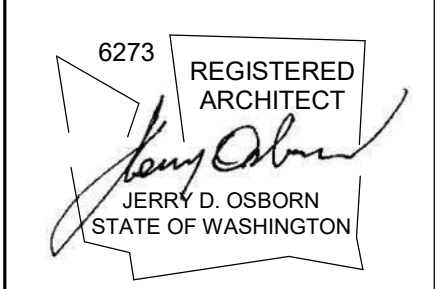
GENERAL NOTES

- 1 PATCH AND REPAIR ALL ROOF AREAS; REINFORCE ALL SEAMS. REWORK ALL PERIMETER EDGE CONDITIONS WITH NEW FLASHING AND MEMBRANES UNO PER DETAILS
- 2 (E) ROOF LADDER TO REMAIN; REWORK AND FLASH PENETRATIONS AND/OR PITCH POCKETS FOR WATERPROOF CONDITION, TYP
- 3 REPAIR AND RE-ATTACH MEMBRANE ROOFING AT TOWER LOCATIONS, TYP
- 4 RE-INSTALL NEW MTL FLASHING AND COPING WHERE MISSING PER DETAILS AND RE-ATTACH AND SEAL (E) MTL FLASHINGS AND COPING WHERE STILL INTACT
- 5 INSTALL NEW ROOF DRAIN AND SUMP; CONNECT TO (E) LINES
- 6 PULL BACK (E) MEMBRANE WHERE SEPARATED FROM SUBSTRATE; PATCH AND RE-INSTALL FULL ADHERED
- 7 (E) DOWNSPOUT AND SPLASHBLOCK TO REMAIN
- 8 REPLACE FLASHING AND REWORK MEMBRANE PER DETAILS TYPICAL AT FULL PERIMETER
- 9 INSTALL METAL SADDLE FLASHING UNDER EXISTING CLADDING WHERE POSSIBLE; COUNTER FLASHING OVER EXPOSED WHERE APPLICABLE; SEAL FULL PERIMETER FOR WATERTIGHT CONDITION
- 10 COORDINATE REMOVAL OF CAB SIDING WITH OWNER AS NECESSARY; CONTRACTOR SHALL NOT REMOVE OR REPLACE ACM OR CAB MATERIALS

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NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
 PARK ENGINEER _____ DATE _____

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WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS

BUILDING #2 - ROOF REPAIR PLAN - SOUTH

DESIGNED: JIM DATE: 6/29/2022
 DRAWN: CY
 CHECKED: KN SHEET 14 OF 22

ORDINANCE NO. PRK730300-142
 CONTRACT NO. PR2020-033
A1.3a

SCALE: As Indicated (U.N.O.)

HAZARDOUS MATERIALS:
 ASBESTOS CONTAINING MATERIALS (ACM) HAVE BEEN IDENTIFIED IN THE EXISTING ROOF ASSEMBLIES. REFER TO THE HAZARDOUS MATERIALS SURVEY INCLUDED IN THE PROJECT MANUAL. CONTRACTOR IS RESPONSIBLE FOR THE PROPER ABATEMENT AND DISPOSAL OF ALL ACM IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS, EXCEPT AS FOLLOWS:

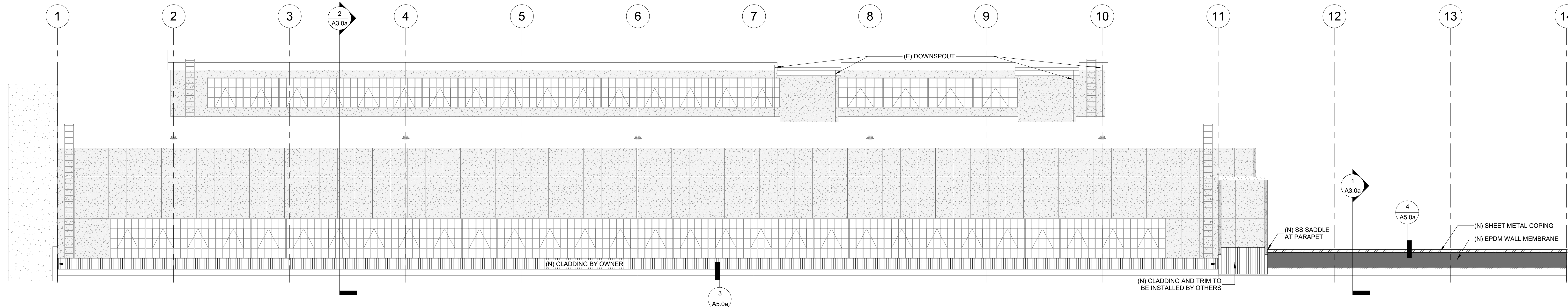
- CAB (CEMENT ASBESTOS BOARD) CLADDING AND TRIM WILL BE REMOVED AND RE-INSTALLED UNDER SEPARATE CONTRACTOR HIRED DIRECTLY BY THE OWNER (THIS WORK IS NOTED AS "BY OWNER")

>>>>CAUTION - CALL 811<<<<
UTILITY NOTIFICATION CENTER
BEFORE YOU DIG!
WWW.CALL811.COM

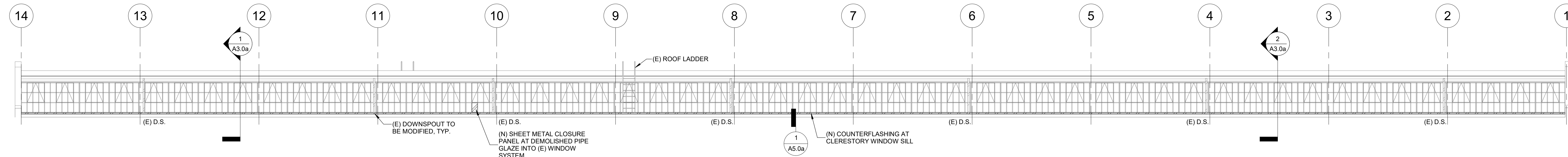
Also, verify all underground utilities not located by the 811 service by using a commercial location service and call SPR Inspection Request Line (206) 684-7034.

RECORD DRAWING

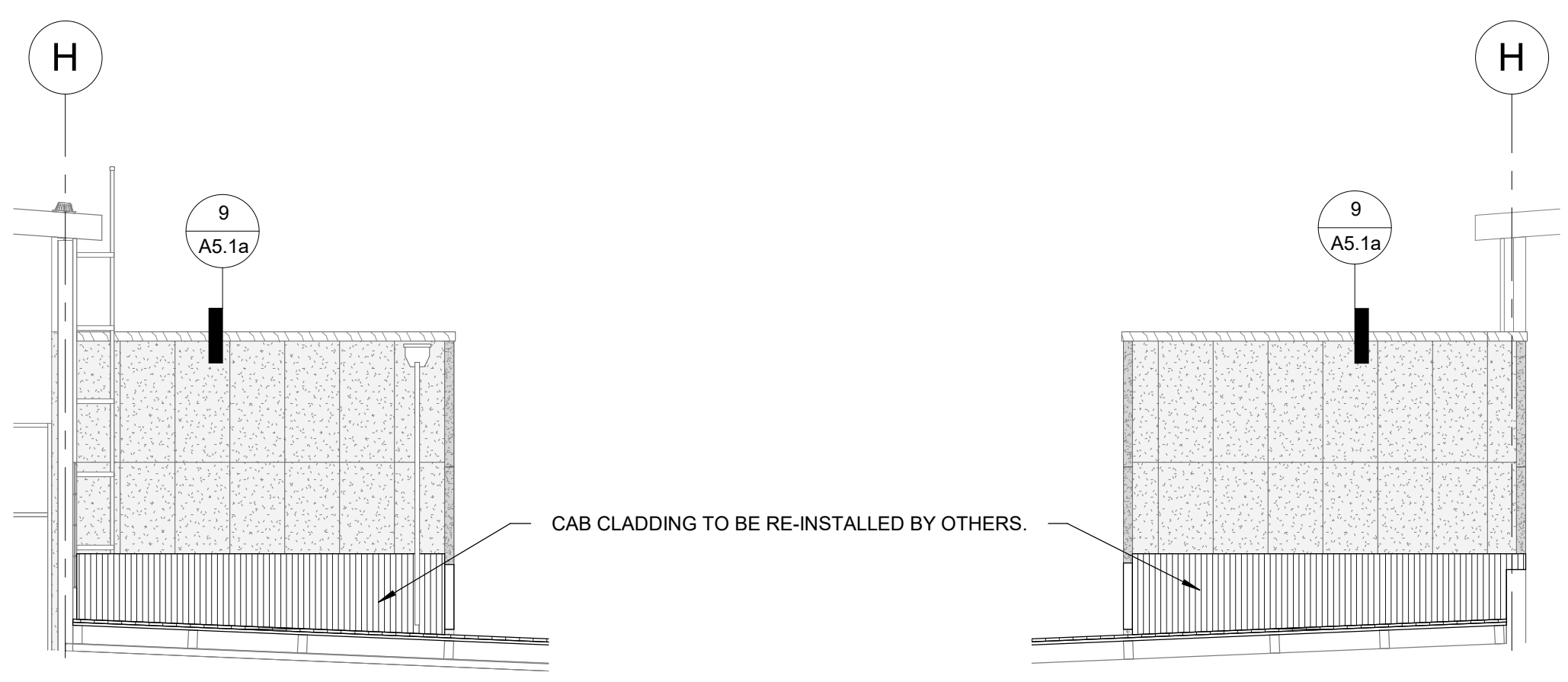
THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION SUBMITTED IN PART BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THE ARCHITECT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THE INFORMATION AND IS NOT RESPONSIBLE FOR ITS ACCURACY NOR FOR ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.



1 NORTH ELEVATION AT SOUTH CLERESTORY
 1/8" = 1'-0"



2 SOUTH ELEVATION AT NORTH CLERESTORY
 1/8" = 1'-0"



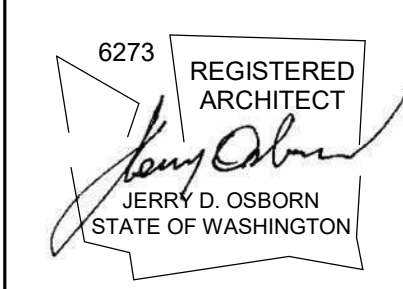
3 PARTIAL EAST ELEVATION
 1/8" = 1'-0"

4 PARTIAL WEST ELEVATION
 1/8" = 1'-0"

3		
2		
1		
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____
 PARK ENGINEER DATE

All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.



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WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS

BUILDING #2 - EXTERIOR ELEVATIONS

DESIGNED	JJM	DATE	6/29/2022
DRAWN	JJM		
CHECKED	KN	SHEET	15 OF 22

ORDINANCE NO. PRK730300-142
 CONTRACT NO. PR2020-033
A2.0a
 SCALE As indicated (U.N.O.)

>>>>CAUTION - CALL 811<<<<
UTILITY NOTIFICATION CENTER
BEFORE YOU DIG!
 WWW.CALL811.COM

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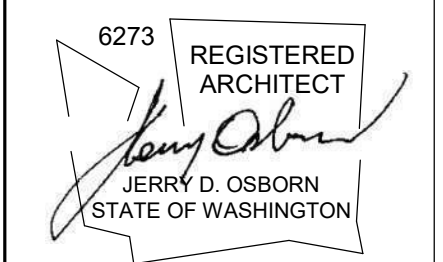
RECORD DRAWING

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION SUBMITTED IN PART BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THE ARCHITECT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THE INFORMATION AND IS NOT RESPONSIBLE FOR ITS ACCURACY NOR FOR ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.

3		
2		
1		
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
 PARK ENGINEER _____ DATE _____

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WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS

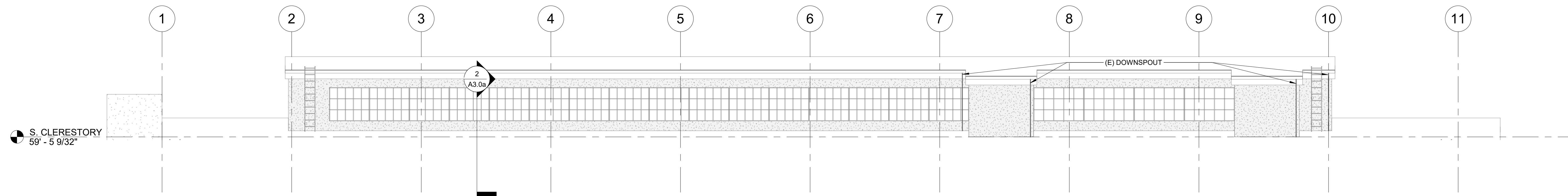
BUILDING #2 - EXTERIOR ELEVATIONS

DESIGNED: JIM DATE: 6/29/2022
 DRAWN: CY
 CHECKED: KN SHEET: 16 OF 22

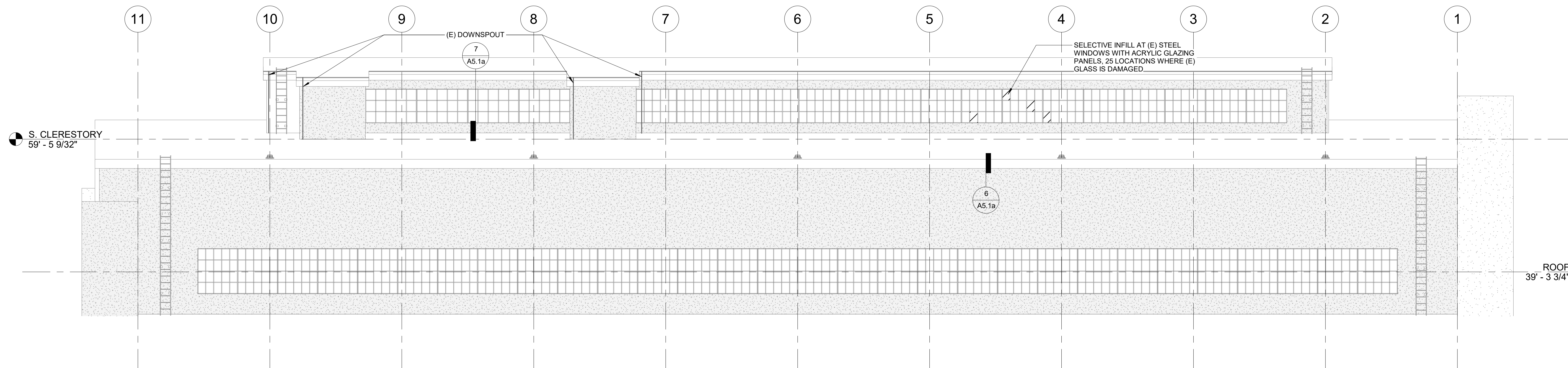
ORDINANCE NO. PRK730300-142
 CONTRACT NO. PR2020-033

A2.1a

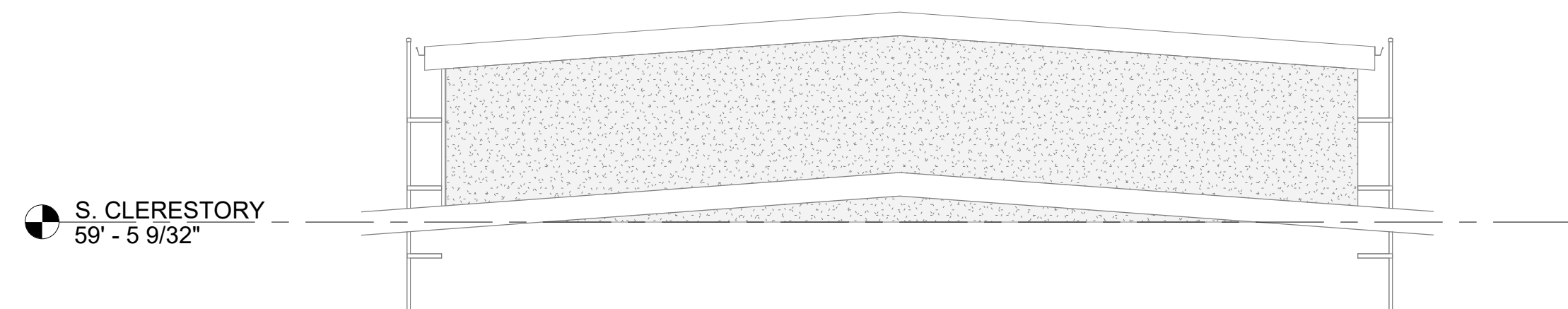
SCALE: 1/8" = 1'-0" (U.N.O.)



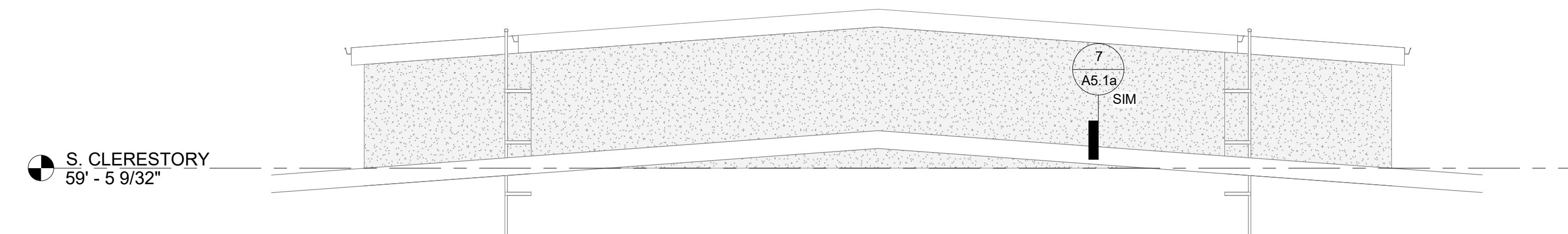
1 NORTH ELEVATION AT SOUTH HANGAR CLERESTORY
 1/8" = 1'-0"



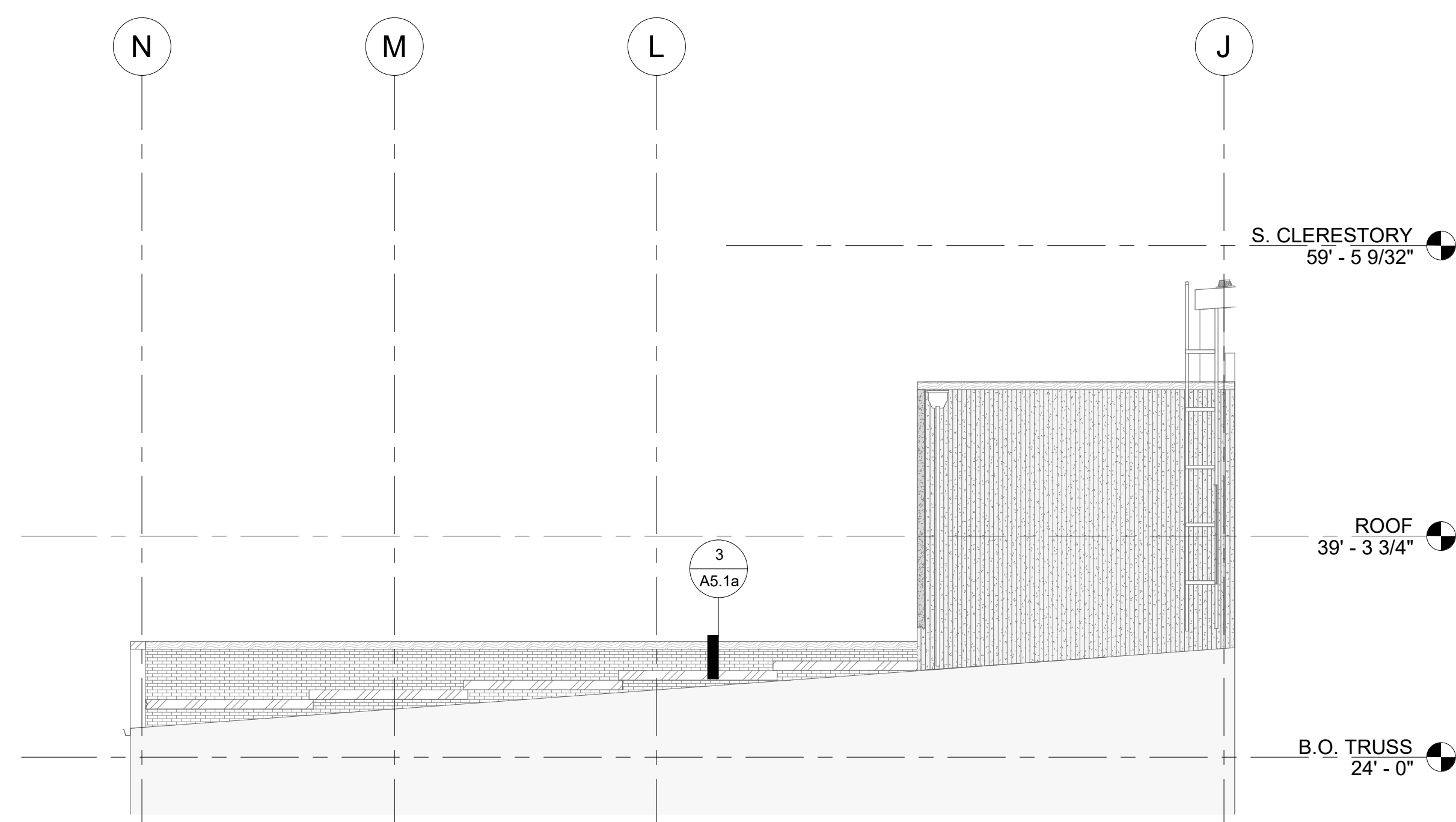
2 SOUTH ELEVATION AT SOUTH HANGAR
 1/8" = 1'-0"



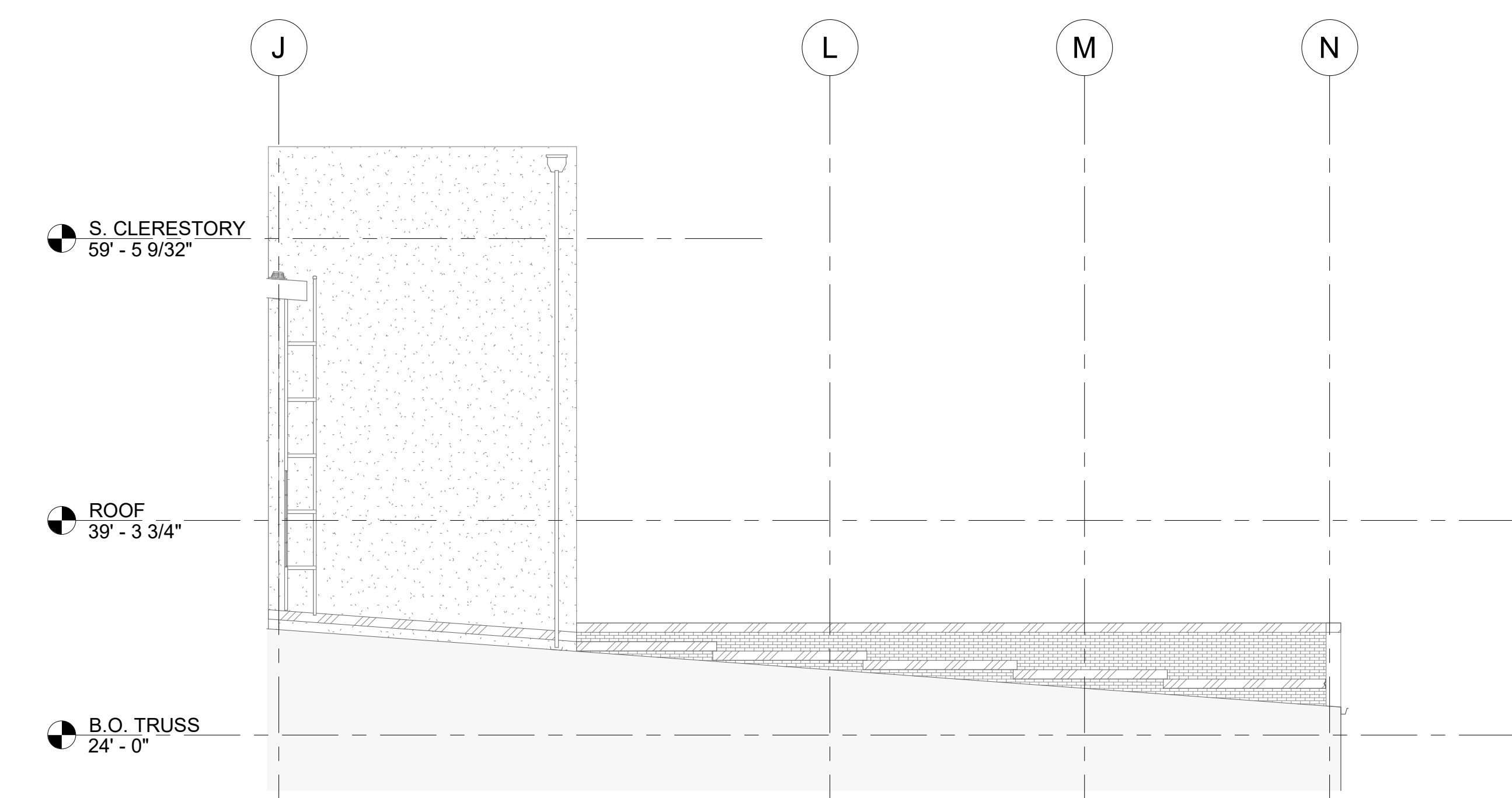
3 PARTIAL EAST ELEVATION
 1/8" = 1'-0"



4 PARTIAL WEST ELEVATION
 1/8" = 1'-0"



5 PARTIAL WEST ELEVATION
 1/8" = 1'-0"



6 PARTIAL EAST ELEVATION
 1/8" = 1'-0"

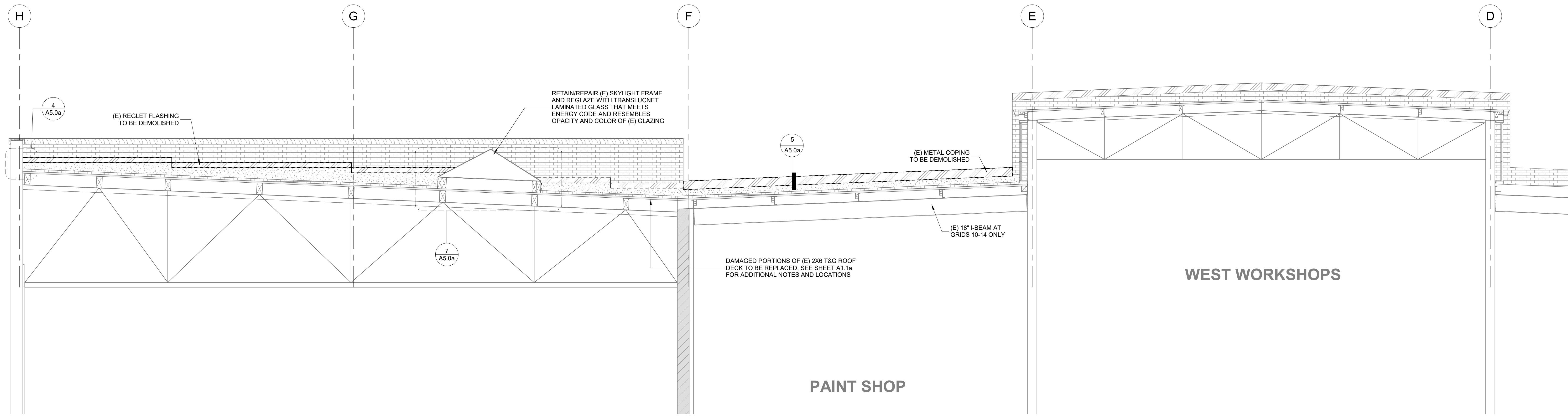
G:\Shared\drives\ARCH - Projects\Seattle\11 Seattle Parks\2019\1011_04 Magnuson Building 2 Floor\1.04 Magnuson Building 2 Floor\Drawings\Rev\16 May 2022\16 May 2022.dwg 11:16:53 AM

>>>>CAUTION - CALL 811<<<<
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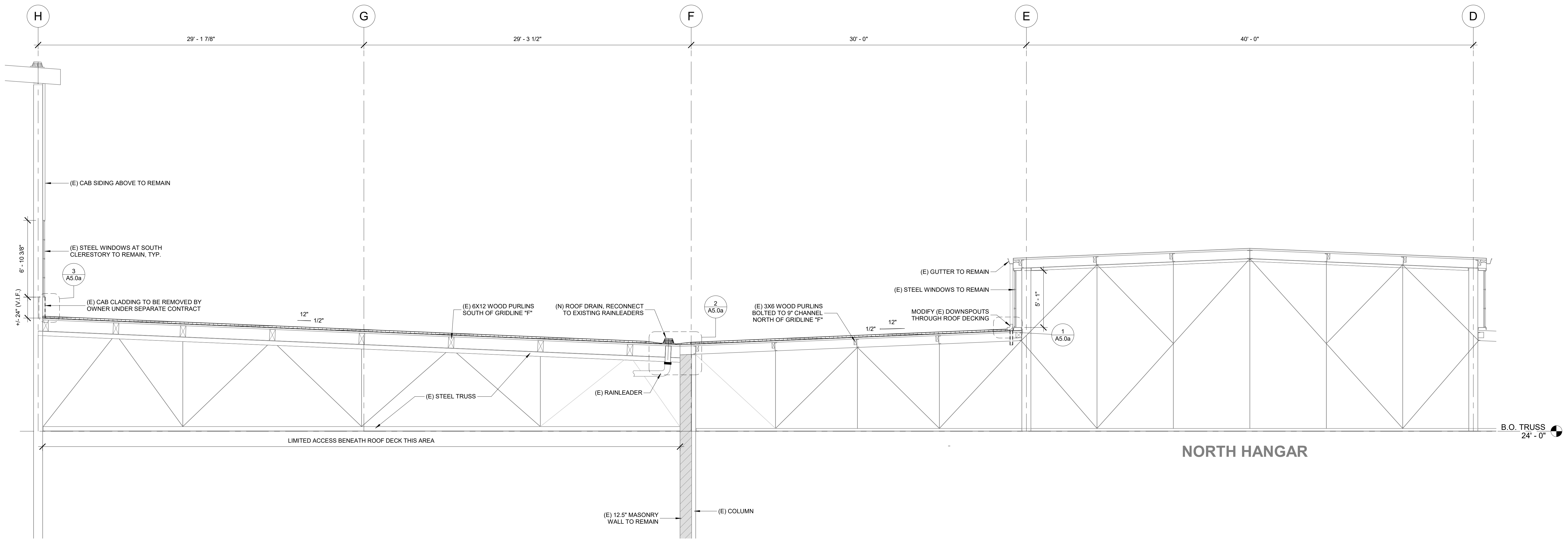
Also, verify all underground utilities not located by the 811 service by using a commercial location service and call SPR Inspection Request Line (206) 684-7034.

RECORD DRAWING

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1 BUILDING 2 - E/W SECTION AT GRID 12
 A3.0a 1/4" = 1'-0"



2 BUILDING 2 - E/W SECTION AT GRID 3
 A3.0a 1/4" = 1'-0"

3		
2		
1		
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____
 PARK ENGINEER DATE

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WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS

BUILDING #2 - BUILDING SECTIONS

DESIGNED	JJM	DATE	08/08/2022
DRAWN	JJM		
CHECKED	KN	SHEET	17 OF 22

ORDINANCE NO. PRK730300-142
 CONTRACT NO. PR2020-033
A3.0a

SCALE 1/4" = 1'-0" (U.N.O.)

G:\Shared drives\ARCH - Projects\Seattle\11 Seattle Parks\2019\1911.04 Magnuson Building 2 Roof Drawings\Rev\Mag Bldg #2 Permit Submittal 20 Jul.rvt 8/10/2022 9:57:25 AM

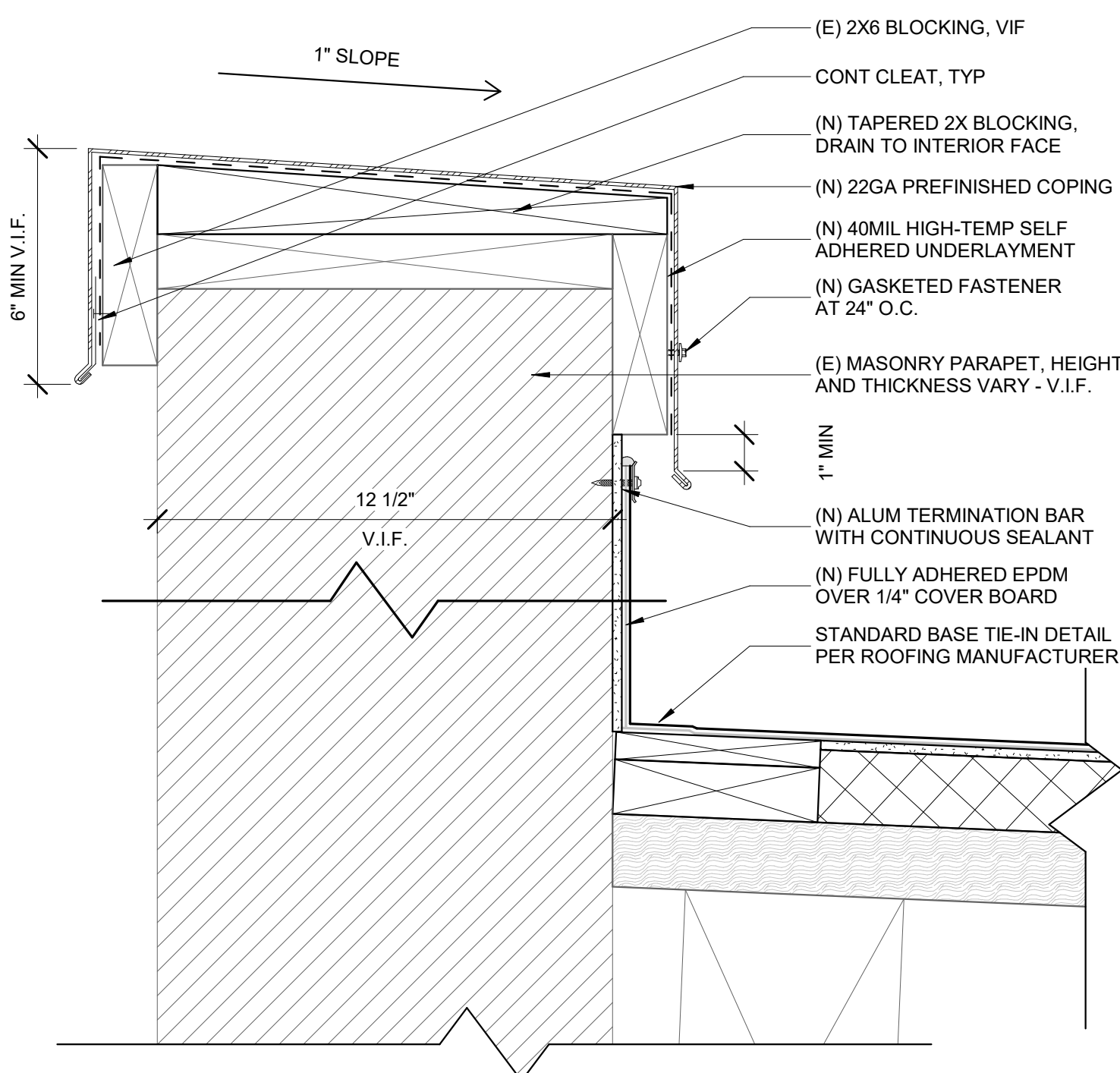
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UTILITY NOTIFICATION CENTER
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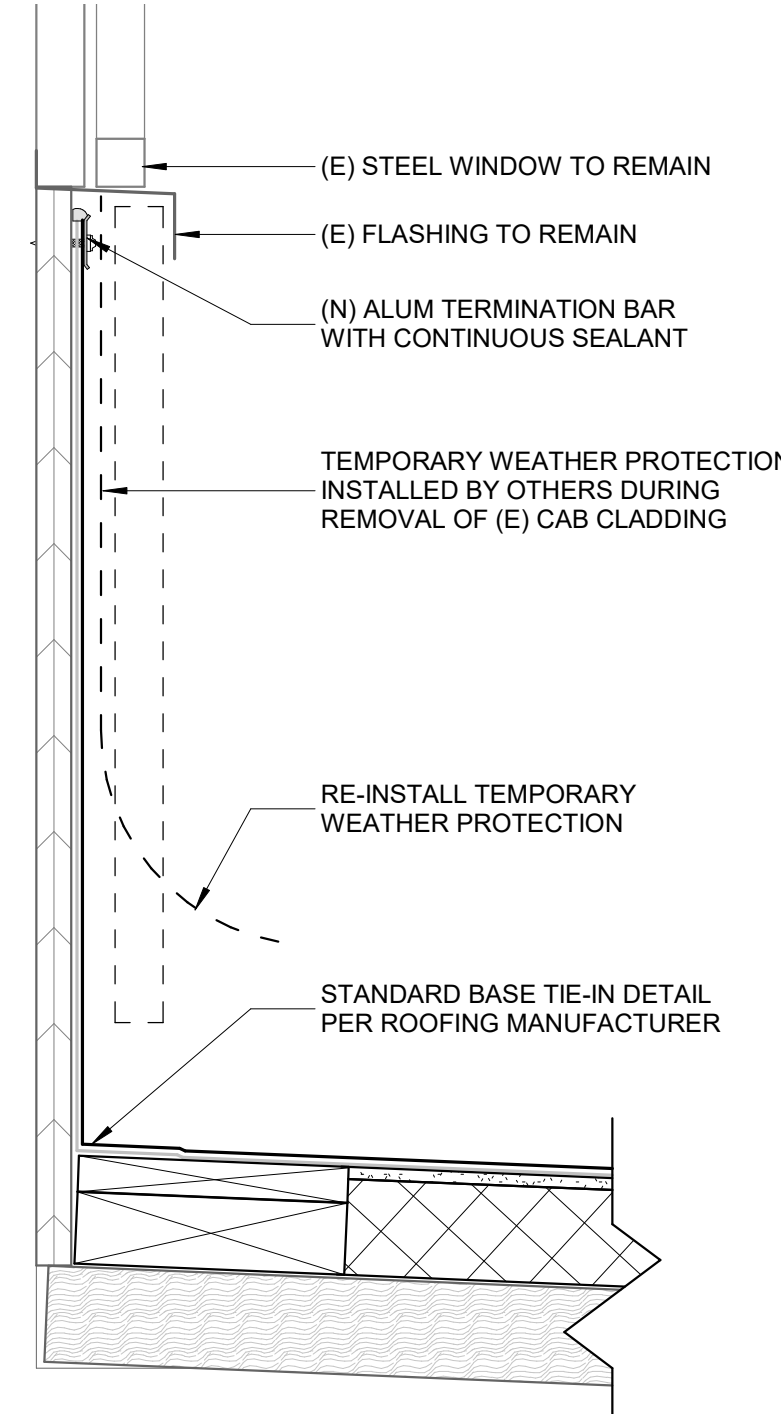
RECORD DRAWING

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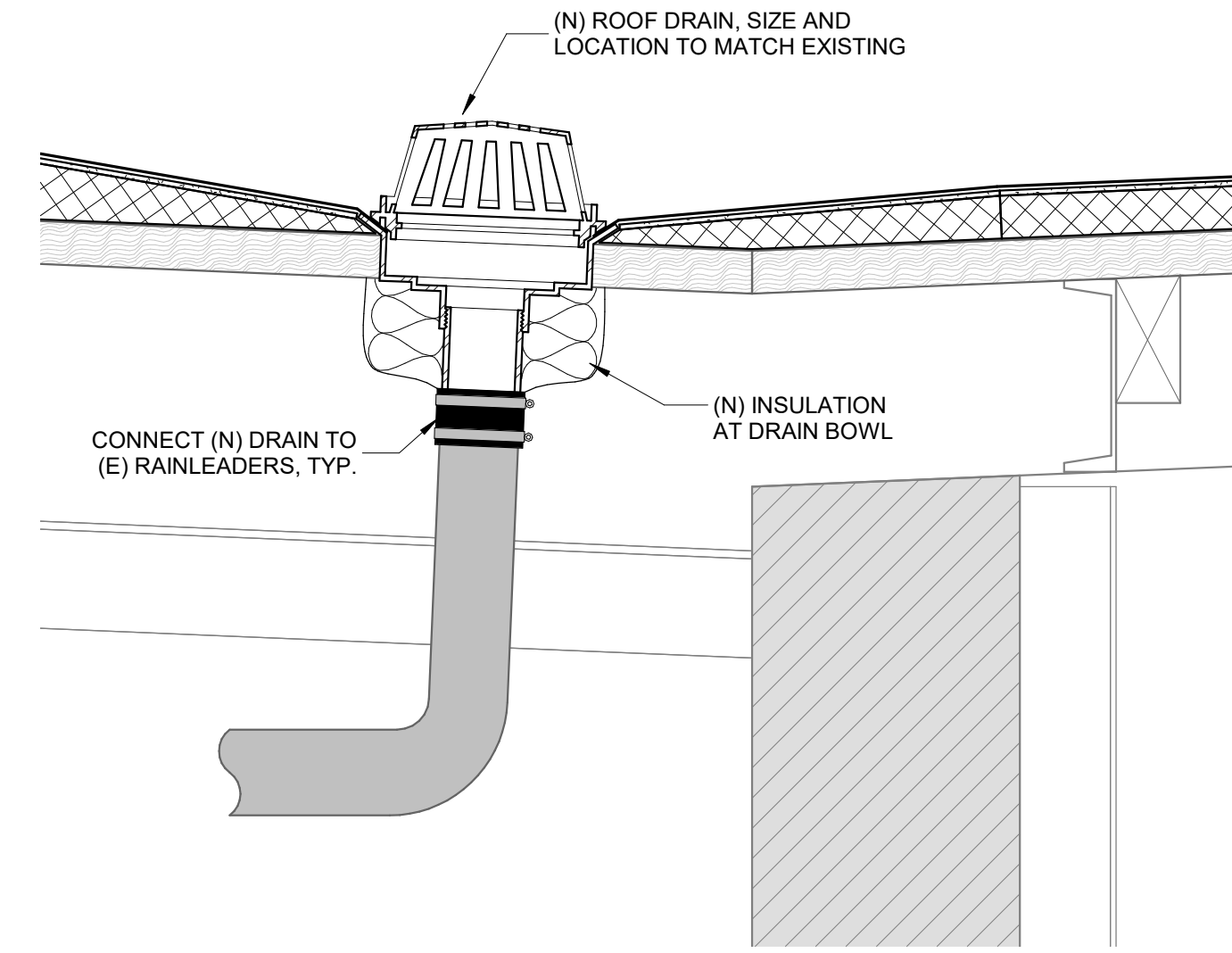
PROVIDE REDUCED TAPERED INSULATION AT 1/8" TO MAXIMIZE VERTICAL FLASHING AT SILL



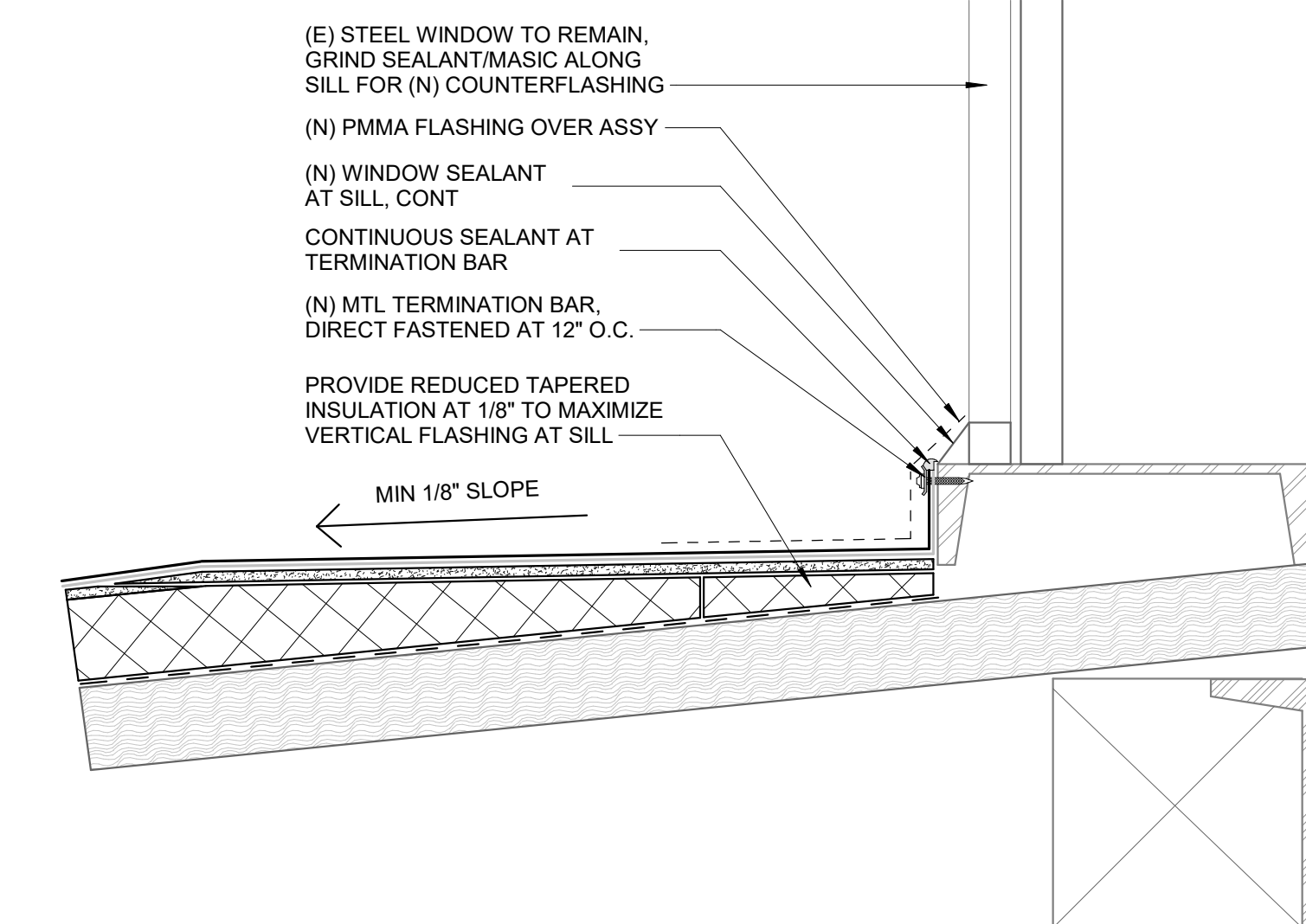
4 PARAPET DETAIL
 A5.0a 3" = 1'-0"



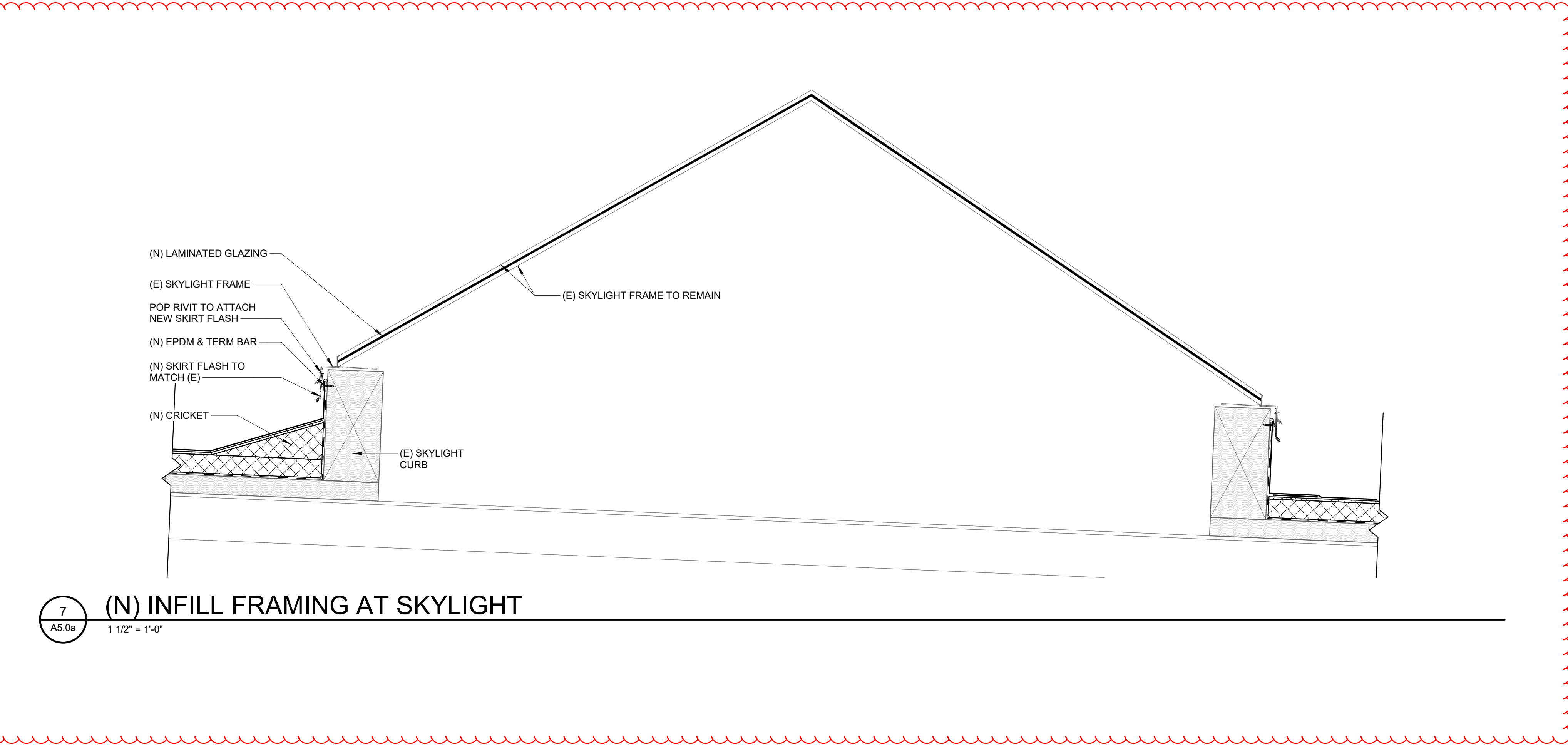
3 ROOFING AT WALL
 A5.0a 3" = 1'-0"



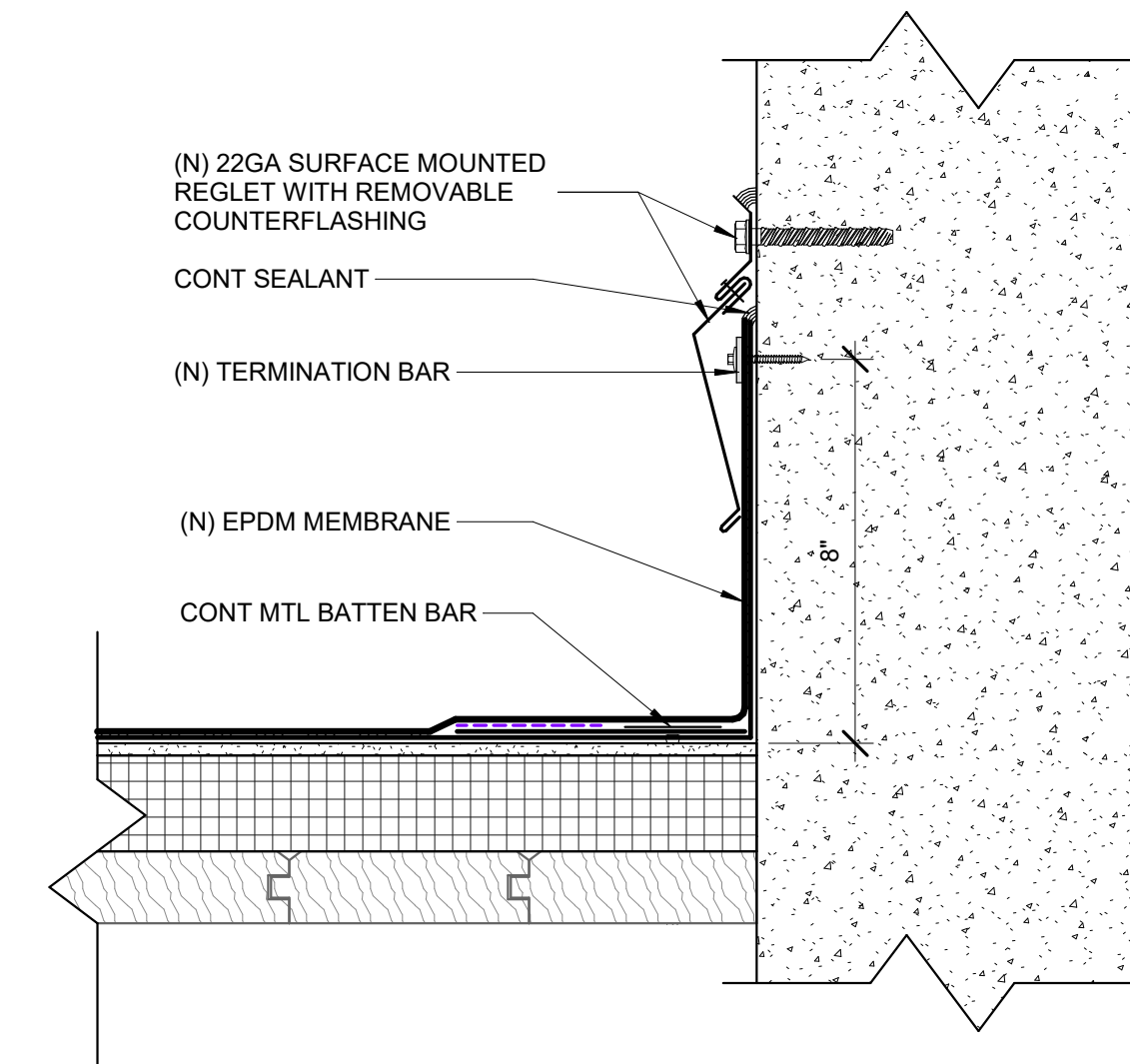
2 CONNECTION AT (N) ROOF DRAIN
 A5.0a 1 1/2" = 1'-0"



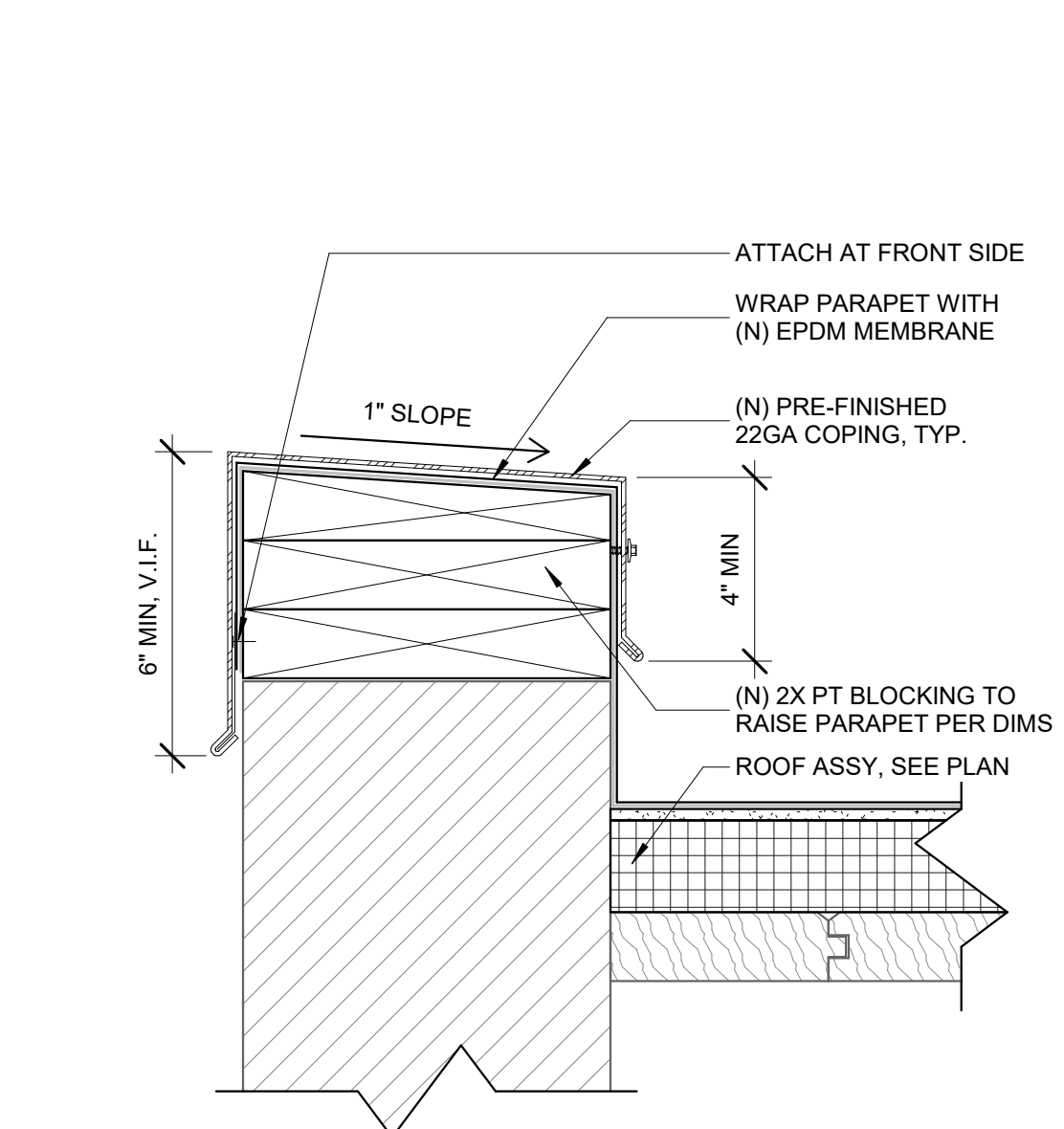
1 ROOFING AT SILL
 A5.0a 3" = 1'-0"



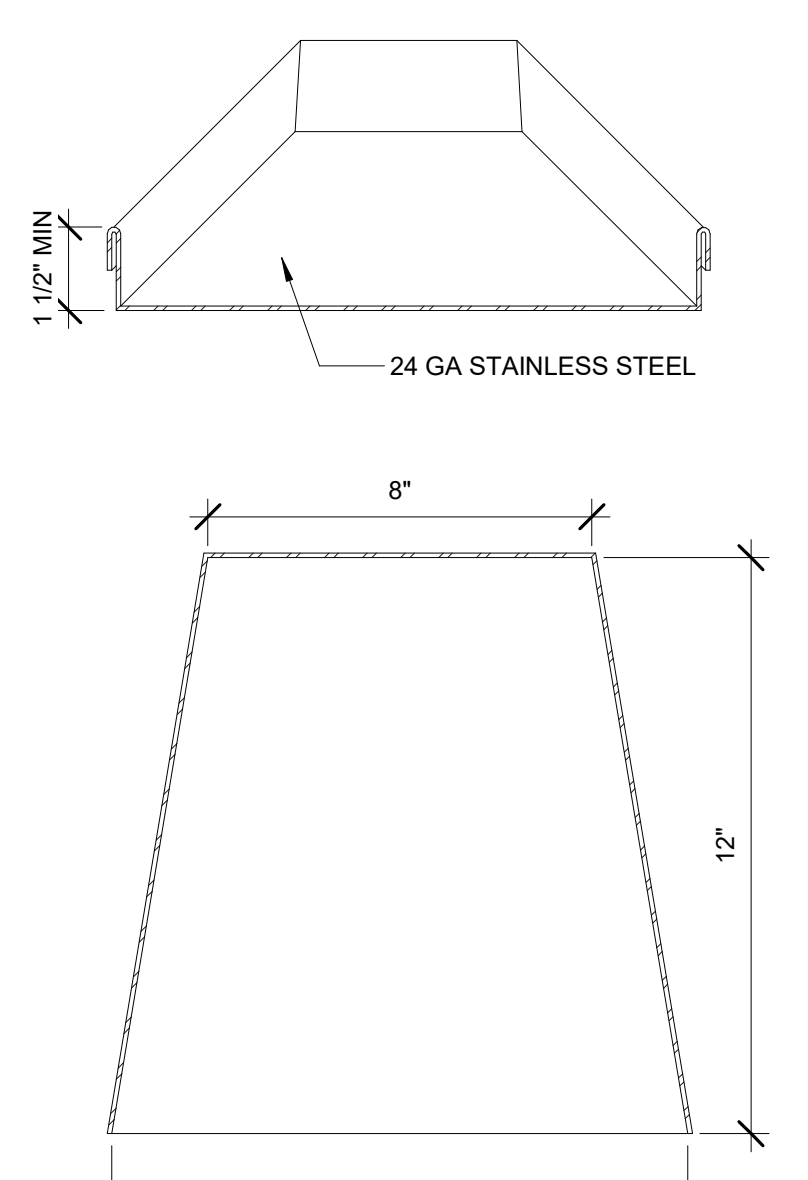
7 (N) INFILL FRAMING AT SKYLIGHT
 A5.0a 1 1/2" = 1'-0"



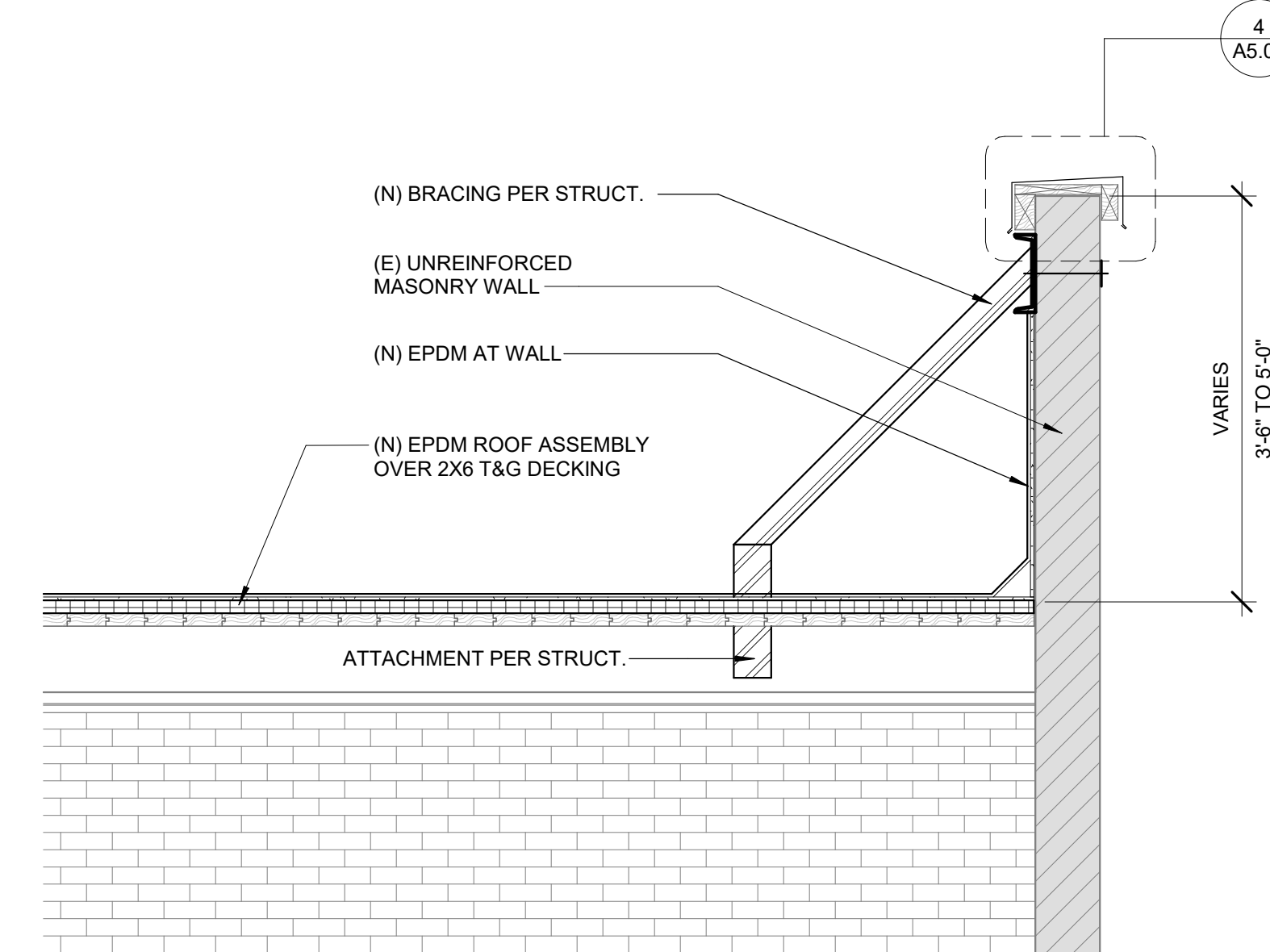
6 ROOFING AT WALL
 A5.0a 3" = 1'-0"



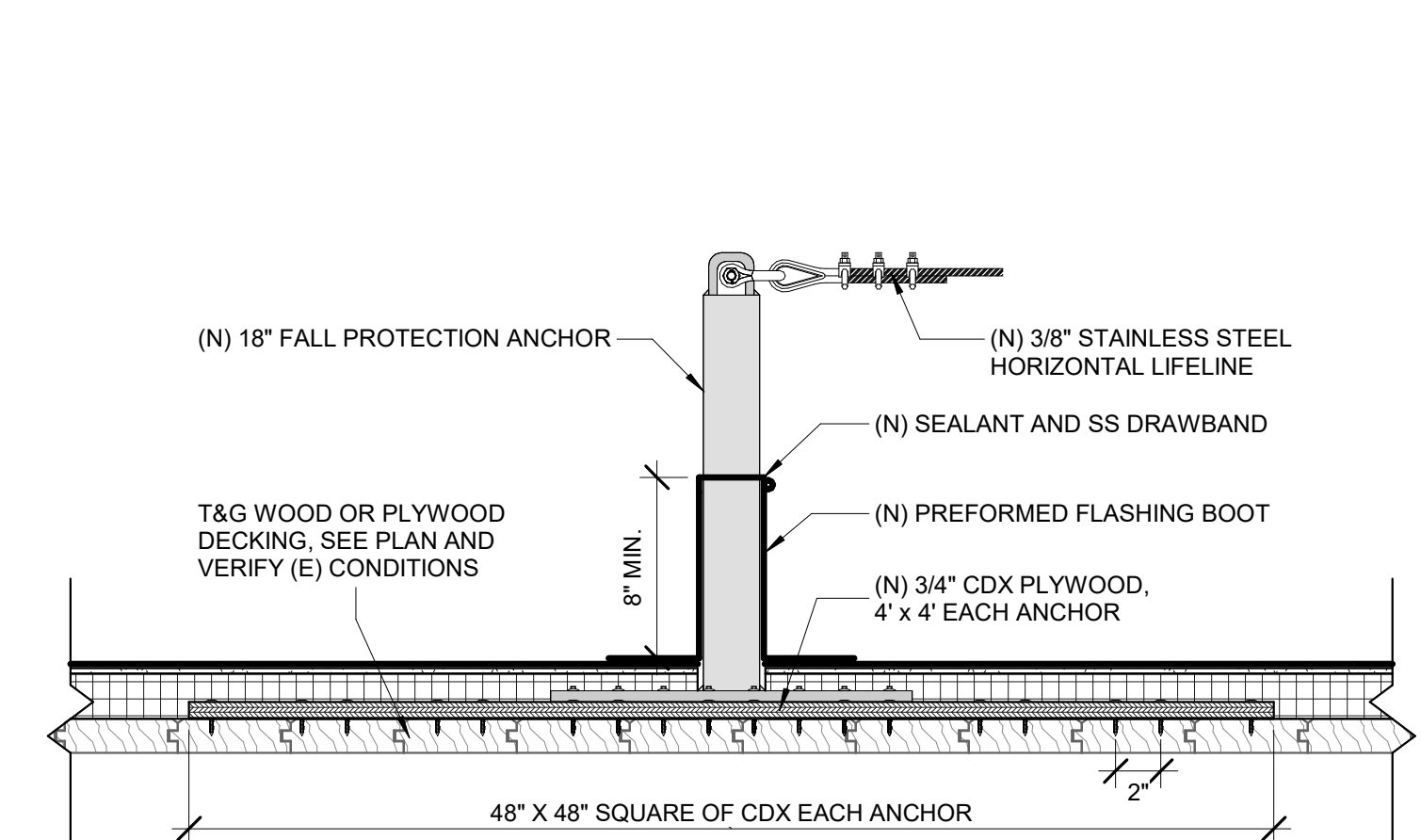
5 PARAPET DETAIL
 A5.0a 3" = 1'-0"



8 SPLASH BLOCK DETAIL
 A5.0a NTS



9 BRACING AT PARAPET
 A5.0a 1 1/2" = 1'-0"



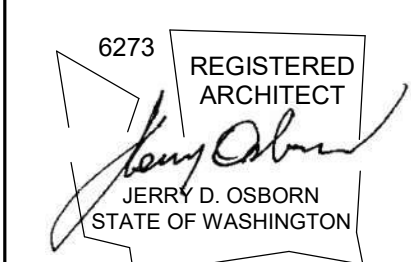
10 FALL PROTECTION ANCHOR - T&G
 A5.0a 1 1/2" = 1'-0"

G:\Shared drives\ARCH - Projects\Seattle\11 Seattle Parks\2019\1911.04 Magnuson Building 2 Roof\Drawings\Roofing\Bldg #2\Permit\Submittal 20 Jul.rvt 8/2/2022 4:57:41 PM

3		
2		
1		
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
 PARK ENGINEER _____

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WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS

BUILDING #2 - ROOF DETAILS

DESIGNED	JJM	DATE	06/08/2022
DRAWN	JJM		
CHECKED	KN	SHEET	18 OF 22

ORDINANCE NO. PRK730300-142
 CONTRACT NO. PR2020-033
 SCALE As indicated (U.N.O.)

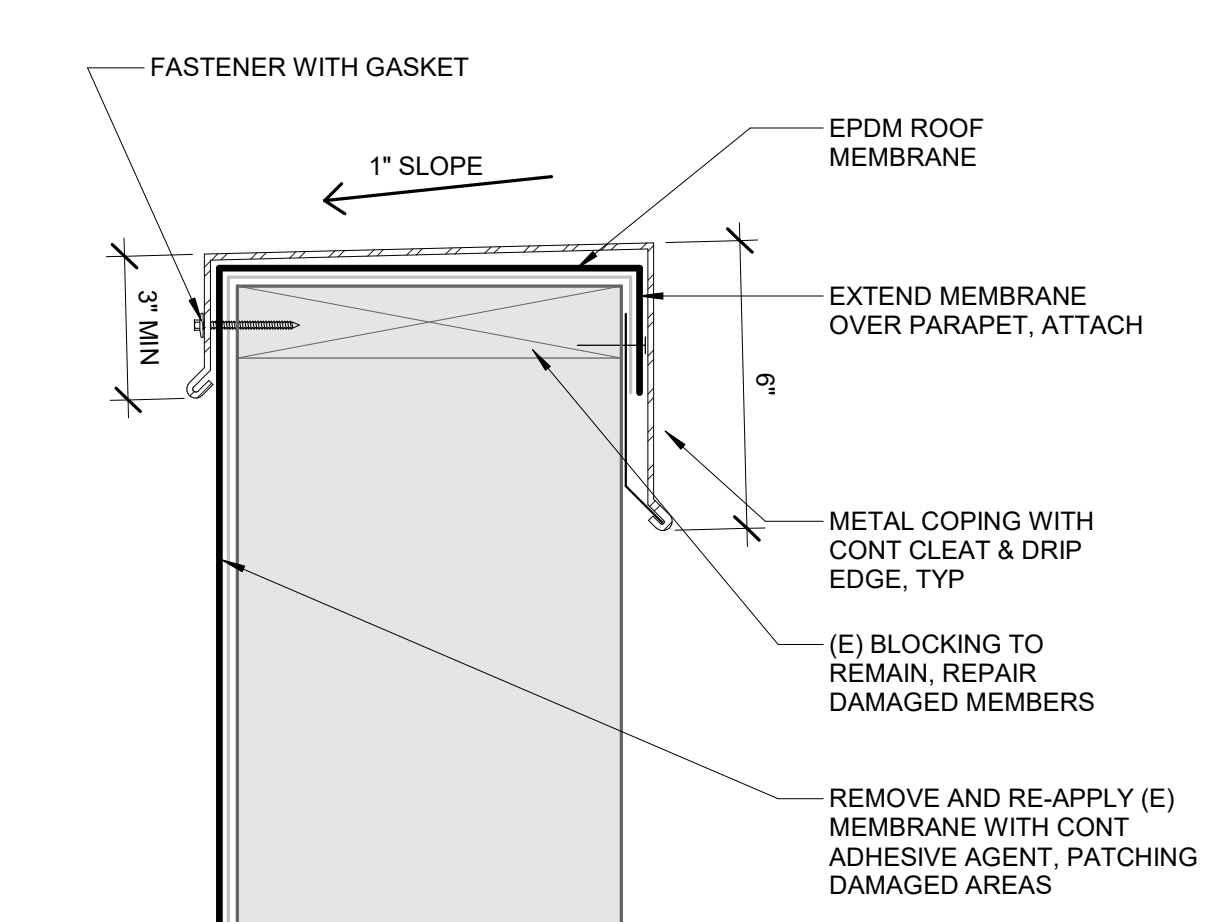
A5.0a

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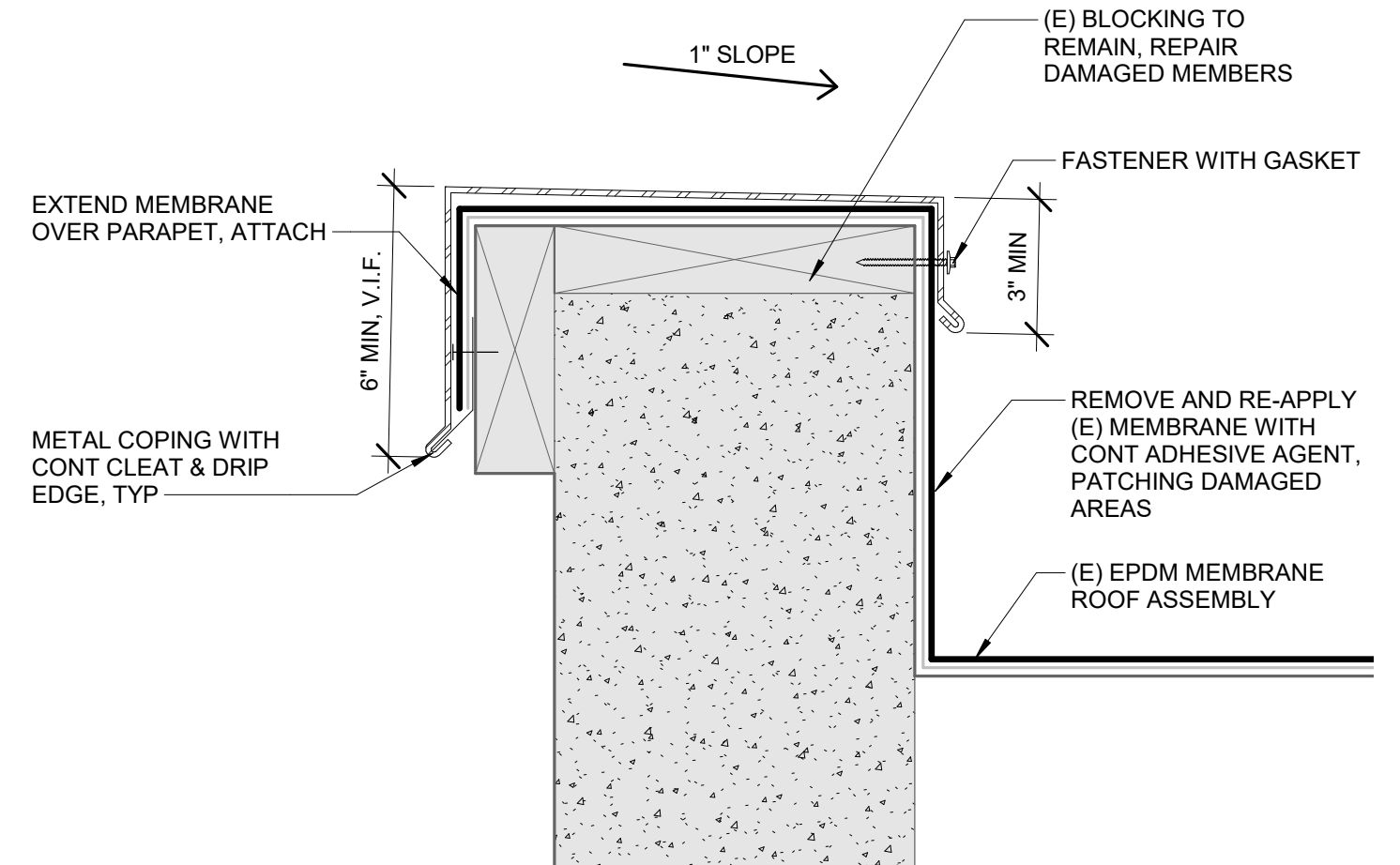
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RECORD DRAWING

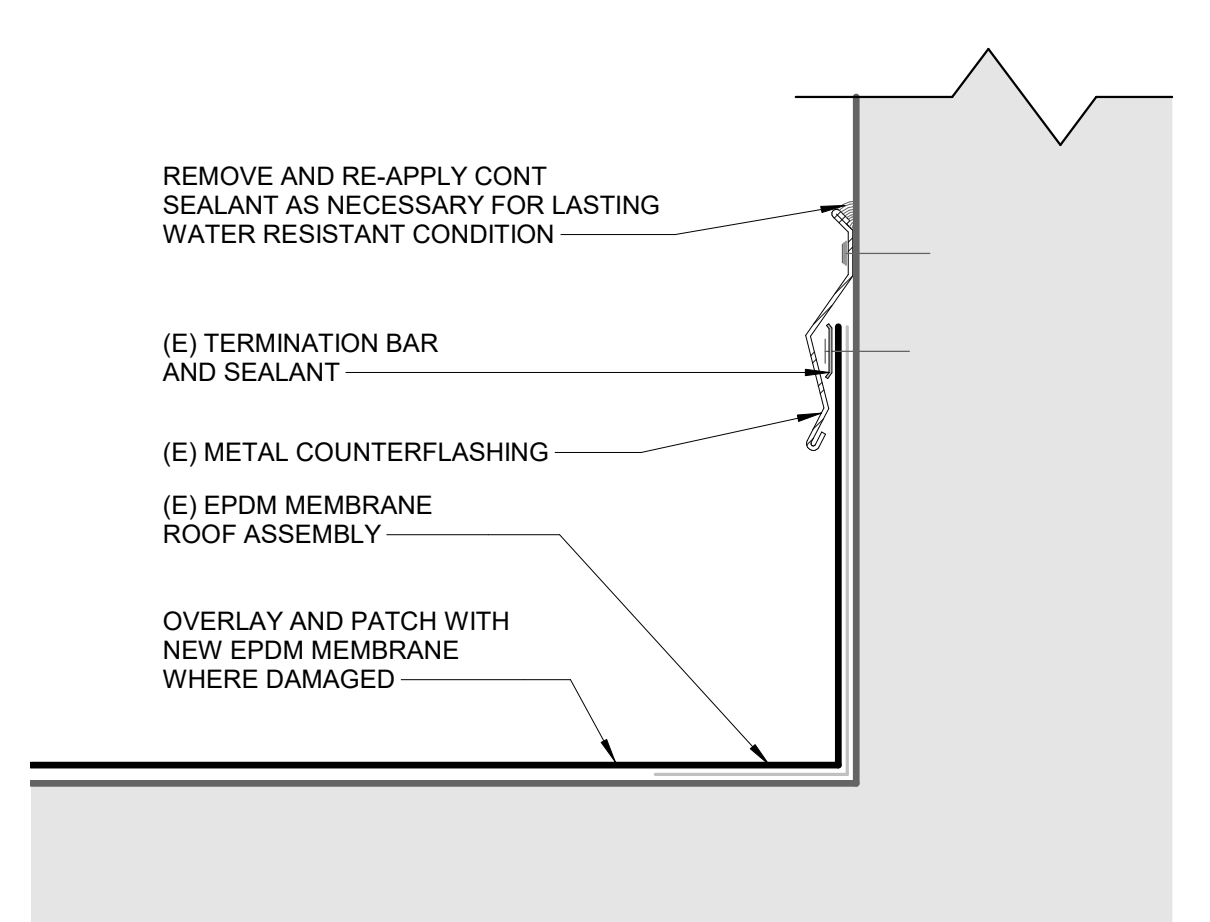
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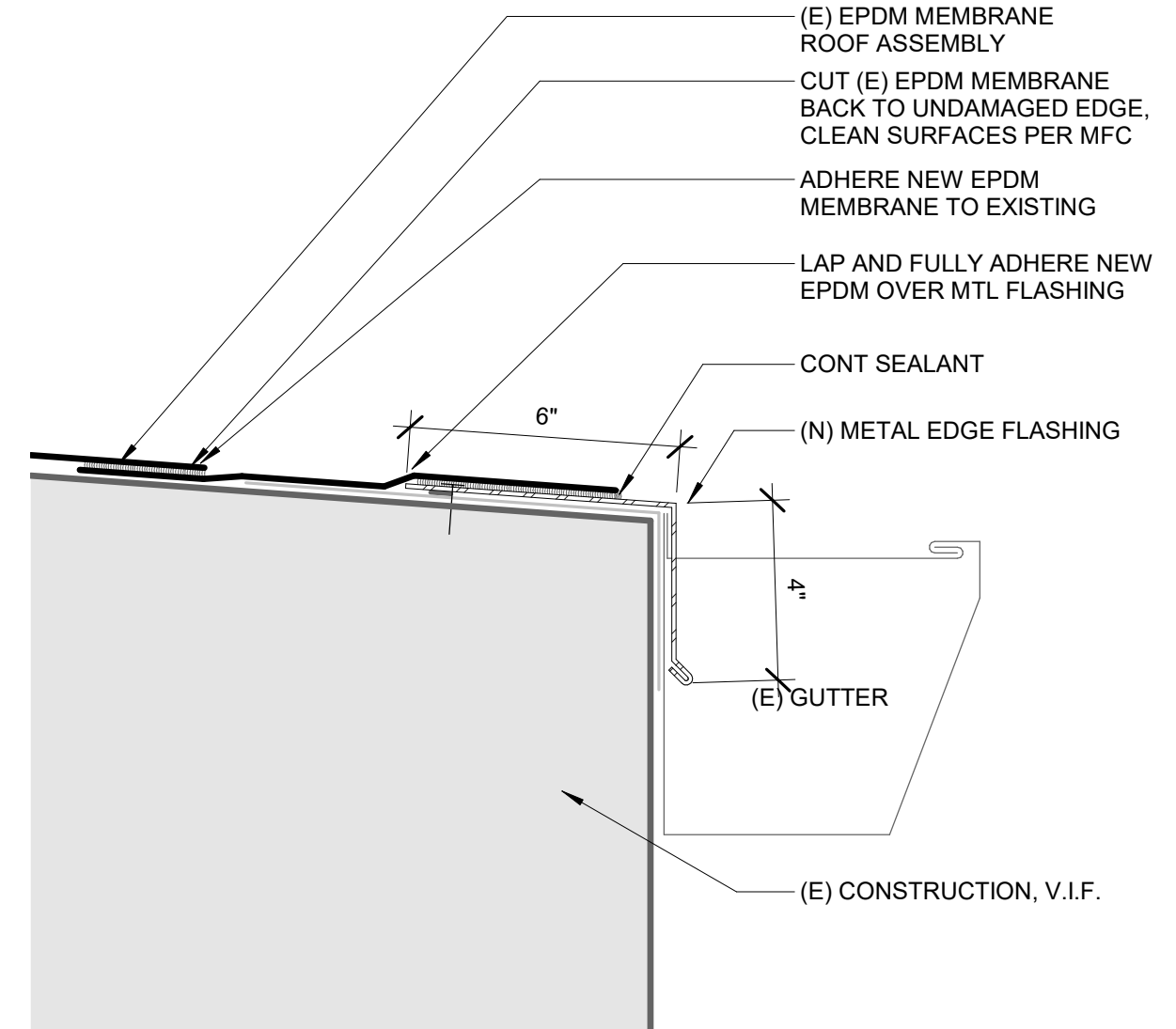
1
 A5.1a
 3" = 1'-0"



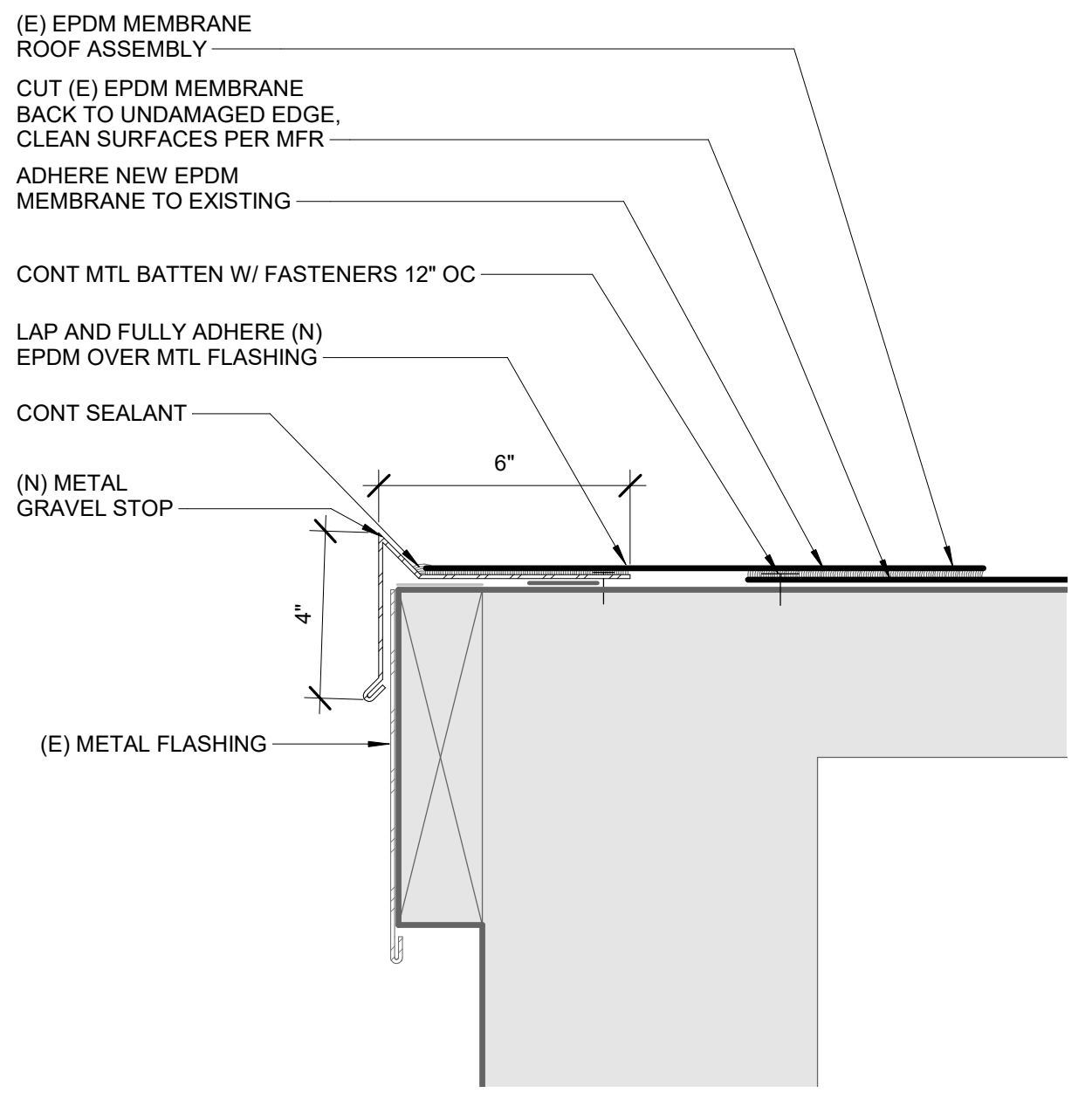
2
 A5.1a
 3" = 1'-0"



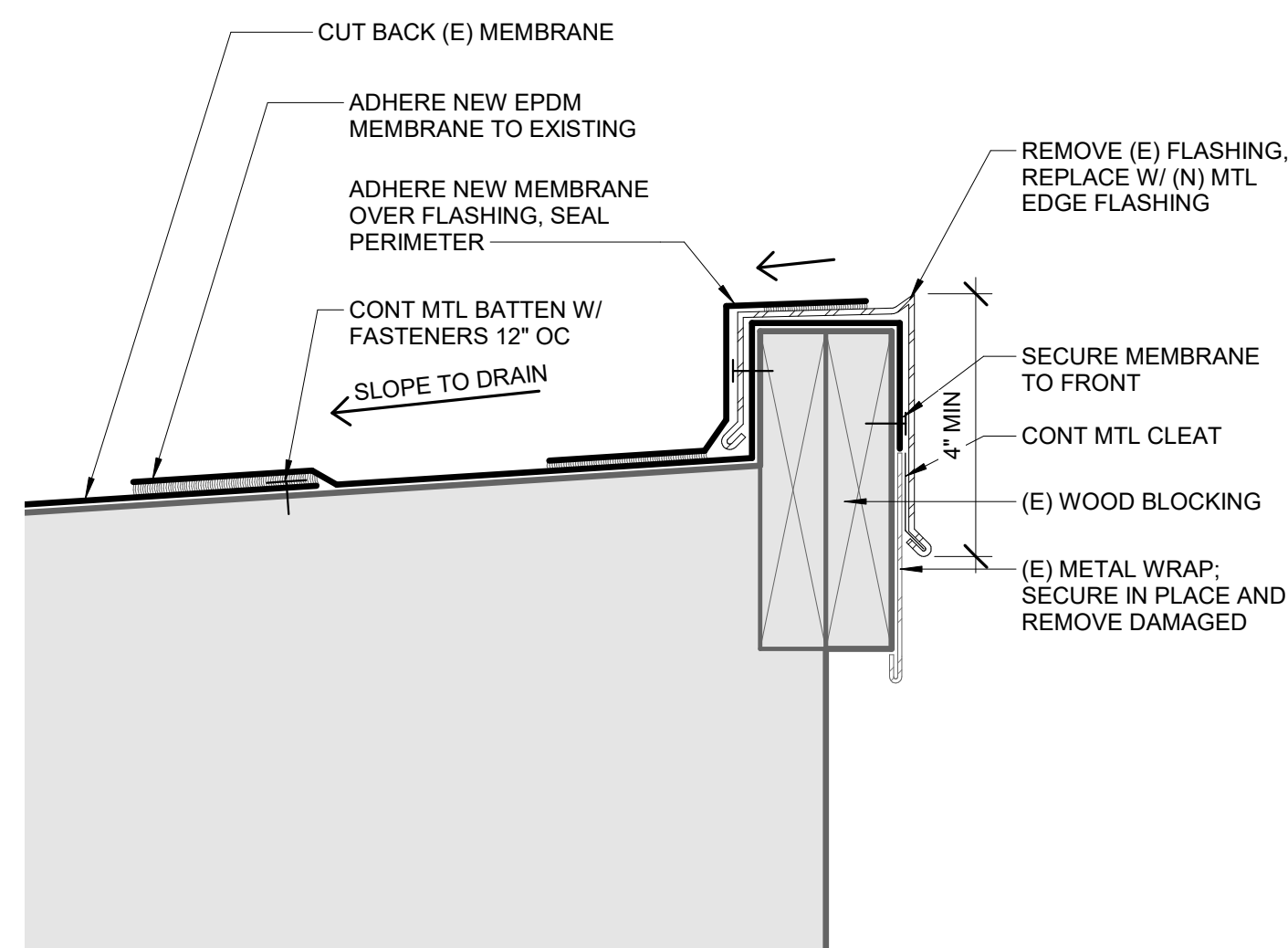
3
 A5.1a
 3" = 1'-0"



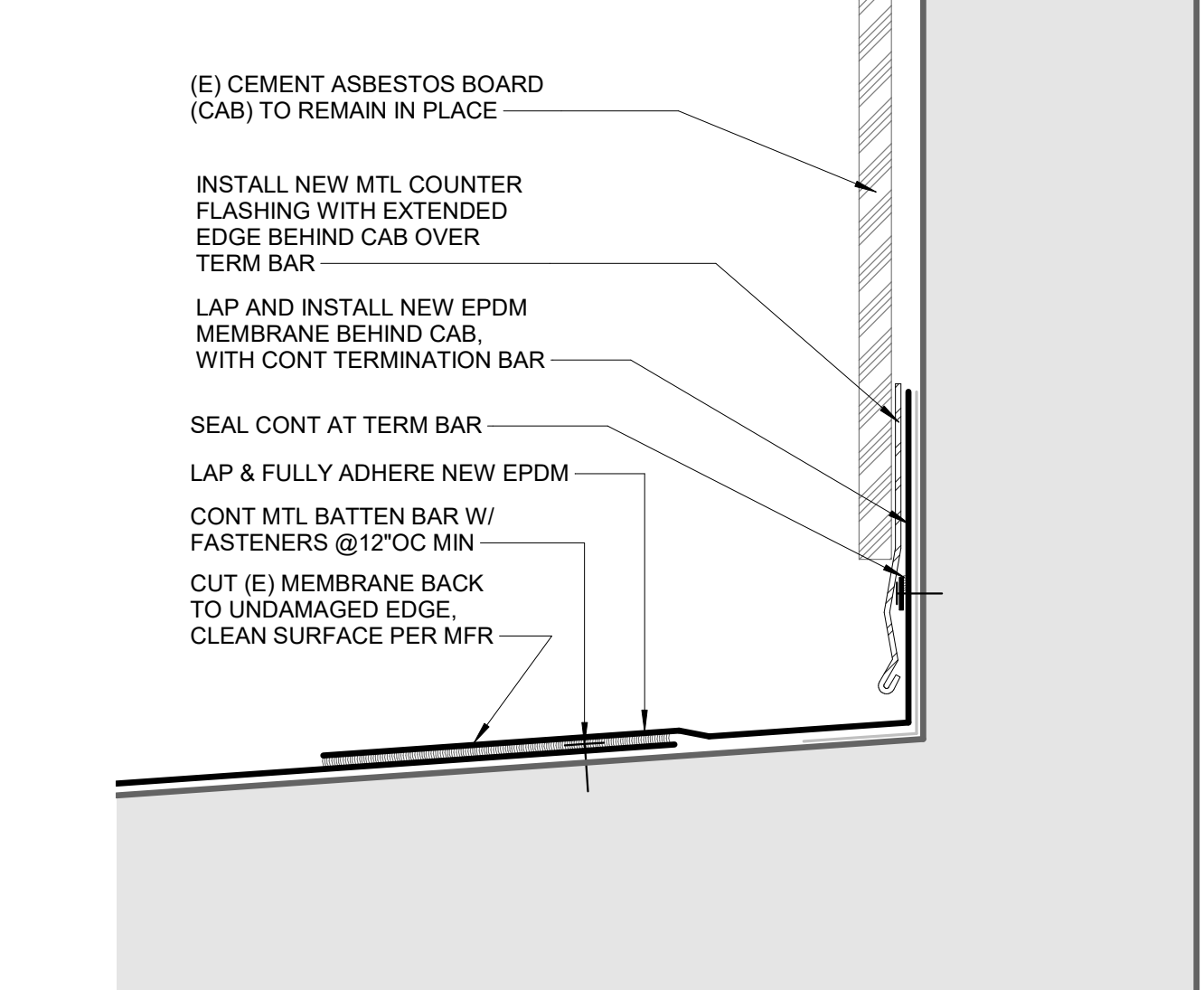
4
 A5.1a
 3" = 1'-0"



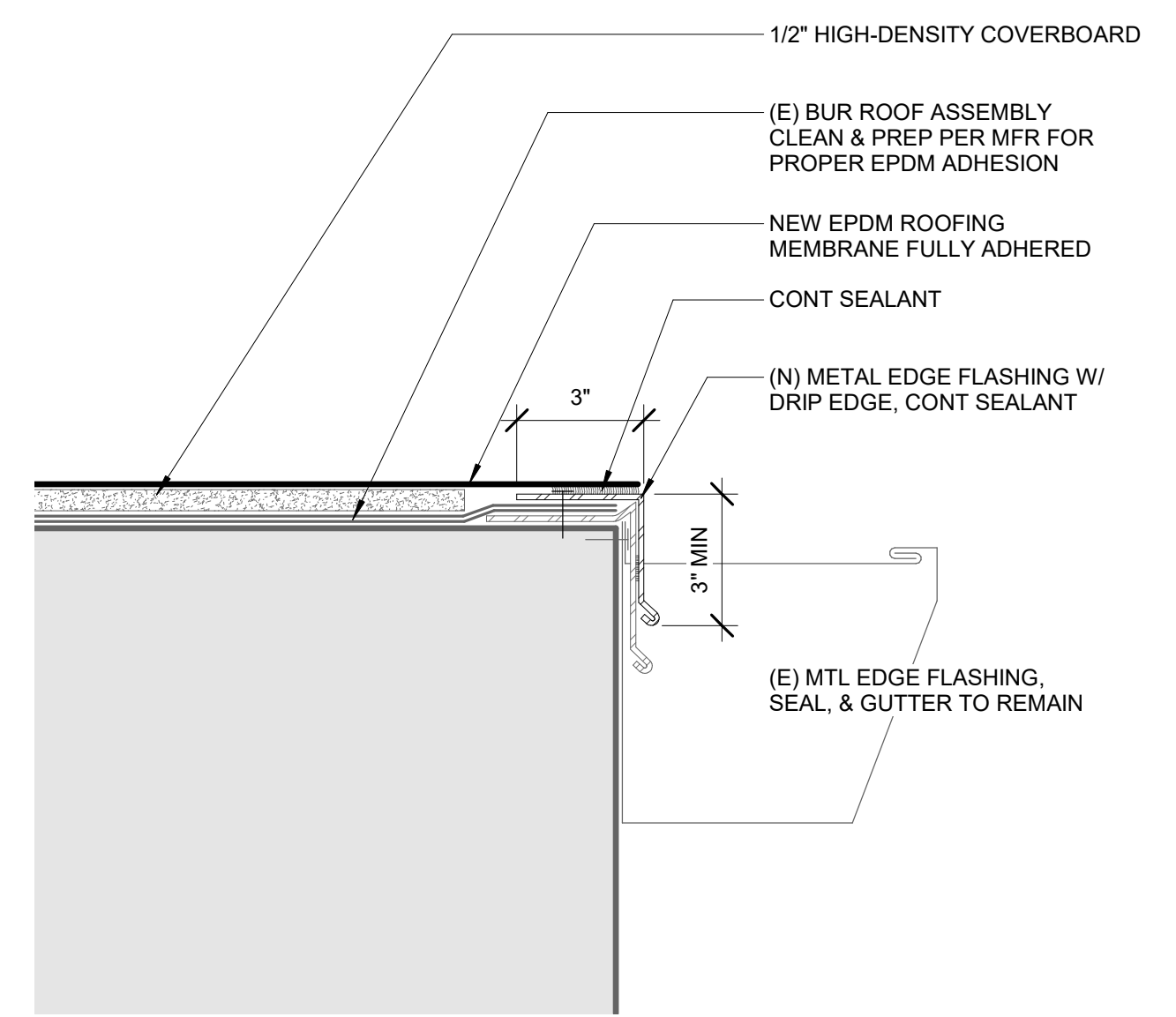
5
 A5.1a
 3" = 1'-0"



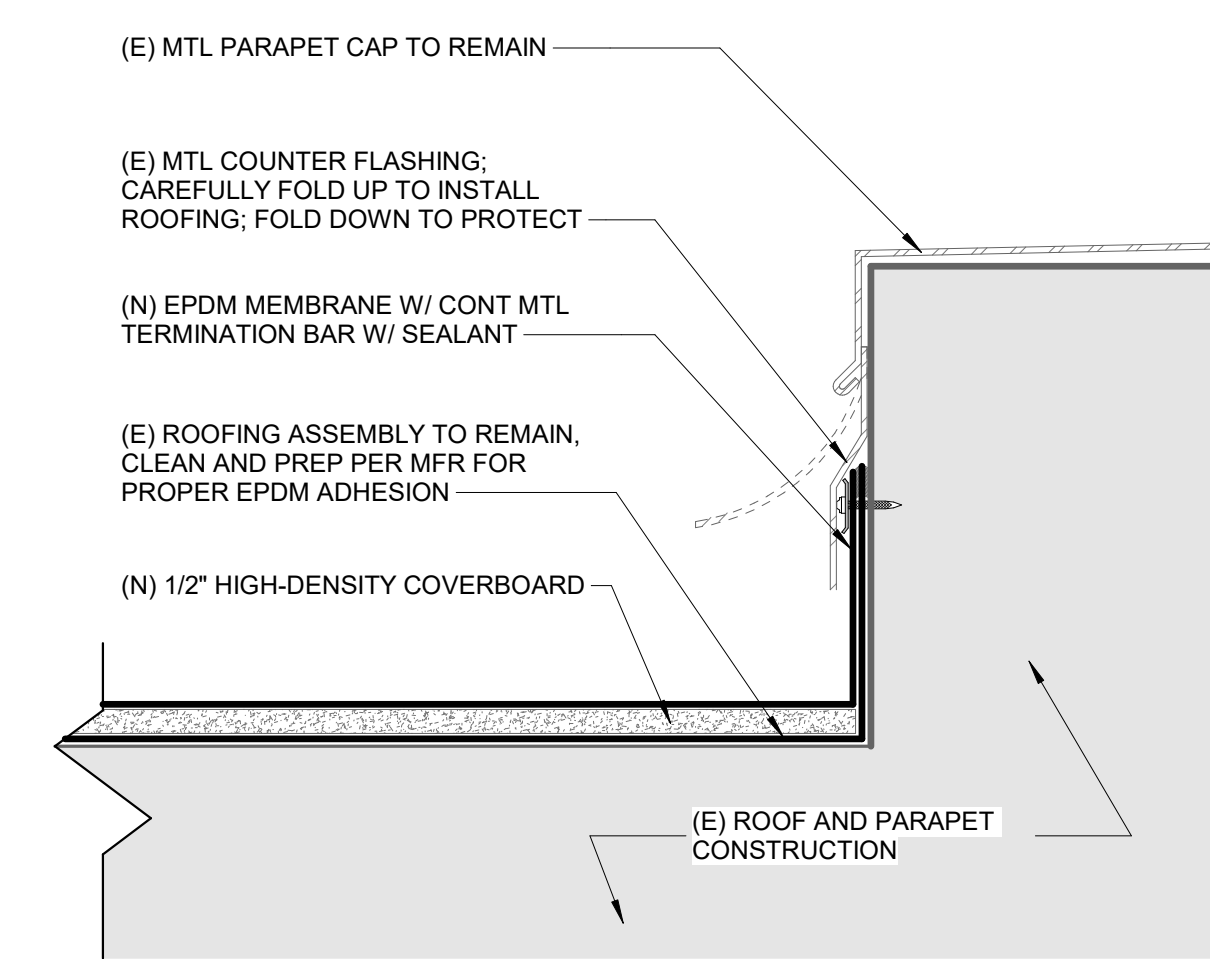
6
 A5.1a
 3" = 1'-0"



7
 A5.1a
 3" = 1'-0"



8
 A5.1a
 3" = 1'-0"

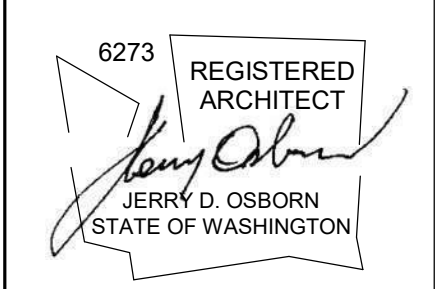


9
 A5.1a
 3" = 1'-0"

3		
2		
1		
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____
 PARK ENGINEER DATE

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WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE
BUILDING #2 ROOF REPLACEMENTS

BUILDING #2 - ROOF DETAILS

DESIGNED	JJM	DATE	6/29/2022
DRAWN	CY		
CHECKED	KN	SHEET	19 OF 22
ORDINANCE NO.	PRK730300-142	A5.1a	
CONTRACT NO.	PR2020-033		
SCALE	3" = 1'-0" (U.N.O.)		

G:\Shared drives\ARCH - Projects\Seattle\11 Seattle Parks\2019\1011_04 Magnuson Building 2 Roof\1 Drawing\Rev\Rev\Bldg #2_138 Permit Submittal 29 June.rvt 6/29/2022 11:16:37 AM

THE FOLLOWING NOTES APPLY EXCEPT WHERE SHOWN OTHERWISE

CODE SEATTLE BUILDING CODE 2018

STRUCTURAL LOADS
 ROOF SNOW LOADS: GROUND SNOW LOAD, P_g = 15-PSF
 ROOF SNOW LOAD, P_f = 30-PSF (TO MATCH EXISTING DESIGN DRAWINGS - CIRCA 1942)

EARTHQUAKE LOADS: SEISMIC RISK OCCUPANCY CATEGORY: II
 SEISMIC IMPORTANCE FACTOR, I_e = 1.00
 MAPPED ACCELERATIONS, S_s = 1.27 S₁ = 0.44
 SITE CLASS = D (DEFAULT)
 DESIGN ACCELERATIONS, S_{ds} = 1.021 S_{d1} = "NULL"
 SEISMIC DESIGN CATEGORY: D

SHOP DRAWINGS
 SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWING SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS. THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT, BY INDICATING WHICH MATERIAL IS INTENDED TO BE FURNISHED AND INSTALLED, AND BY DETAILING THE INTENDED FABRICATION AND INSTALLATION METHODS. IF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWING SUBMITTALS AND THE CONTRACT DOCUMENTS ARE DISCOVERED EITHER PRIOR TO OR AFTER SHOP DRAWING SUBMITTALS ARE PROCESSED BY THE ENGINEER, THE DESIGN DRAWINGS AND SPECIFICATIONS SHALL CONTROL AND SHALL BE FOLLOWED. SUBMITTAL REVIEW IS FOR GENERAL COMPLIANCE ONLY; THIS REVIEW DOES NOT CHECK DIMENSIONS OR QUANTITIES.

ANCHORAGE TO MASONRY:
 WHERE EPOXY ANCHORS ARE SPECIFIED, USE "MULTI-HY-270" (REFERENCE ICC REPORT ESR-4144).

FOR EPOXY ANCHORS, USE ASTM A193 GRADE B7 THREADED ROD, UNLESS OTHERWISE NOTED. HOLES MUST BE CLEANED OF DUST AND DEBRIS AND BE FREE OF STANDING WATER WHEN EPOXY IS INSTALLED. SPECIAL INSPECTION OF EPOXY ANCHORS IS REQUIRED. DO NOT CUT ANY REINFORCING BARS TO INSTALL ANCHORS. DEFECTIVE HOLES SHALL BE FILLED SOLID WITH EPOXY.

FOR ANY SUBSTITUTIONS TO THE ABOVE, THE CONTRACTOR SHALL SUBMIT TO THE STRUCTURAL ENGINEER MANUFACTURER'S LITERATURE DESCRIBING THE ANCHORS AND LISTING ICC APPROVED ALLOWABLE SHEAR AND TENSION VALUES.

TIMBER:
 STRUCTURAL TIMBER AND LUMBER TO BE STRESS GRADE DOUGLAS FIR AS FOLLOWS:

USE	SPECIES	GRADE	FB
6 X BEAMS	DOUGLAS FIR	NO. 1	1350 PSI
ROOF JOISTS	DOUGLAS FIR	NO. 2	900 PSI
ALL OTHER LUMBER	DOUGLAS FIR	STANDARD / BETTER	

WOOD AND WOOD BASED MATERIALS USED IN CONTACT WITH SOIL, CONCRETE OR MASONRY, INSTALLED WITHIN 1" OF CONCRETE OR MASONRY, OR EXPOSED TO MOISTURE EITHER INTERIOR OR EXTERIOR, SHALL BE TREATED WITH AN APPROVED PRESERVATIVE PER THE "PRESERVATIVE TREATMENT" SECTION BELOW. SOLID BLOCKING OF NOT LESS THAN 2" NOMINAL THICKNESS SHALL BE PROVIDED AT ENDS AND AT ALL SUPPORTS OF JOISTS AND RAFTERS. BETWEEN SUPPORTS PROVIDE BLOCKING OR BRIDGING AT 8' - 0" O.C.

ALL STUD WALL SILL AND TOP PLATE MEMBERS SHALL BE SURFACE-DRIED (S-DRY) LUMBER (MOISTURE CONTENT = 19% OR LESS DURING FRAMING). ALL STUDS AND POSTS MAY BE SURFACE-GREEN (S-GREEN) LUMBER (MOISTURE CONTENT = 19% TO 23% DURING FRAMING) OR S-DRY LUMBER. THE MOISTURE CONTENT OF THE FRAMING SHALL BE LESS THAN 12% PRIOR TO INSTALLATION OF GYPSUM WALLBOARD SHEATHING.

WOOD CONNECTORS:
 BOLT HEADS AND NUTS BEARING AGAINST WOOD TO BE PROVIDED WITH MALLEABLE IRON WASHERS EXCEPT ON STEEL BEAM NAILERS USE CUT WASHERS. NAILERS TO STEEL BEAMS SHALL BE ATTACHED WITH 5/8" BOLT'S AT 3' - 0" O.C. STAGGERED.

NAILS SHALL CONFORM TO REQUIREMENTS OF ASTM F 1667 AND HAVE A MINIMUM BENDING STRENGTH OF 90 KSI FOR SHANK DIAMETERS BETWEEN .142" AND .177". ALL WOOD-TO-WOOD NAILING SHALL BE PER IRC TABLE 2304.9.1. IF PLANS AND DETAILS SPECIFY 8D, 10D OR 16D NAILS, THEY SHALL HAVE THE FOLLOWING PROPERTIES:

- 8D = 0.131" DIA X 2-1/2"
- 10D = 0.148" DIA X 3"
- 16D = 0.162" DIA X 3-1/2"

ALL SUBSTITUTIONS SHALL HAVE THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD PRIOR TO USE.

LIGHT GAUGE METAL FRAMING CONNECTORS AND THEIR REQUIRED FASTENERS SHALL BE "STRONG-TIE" BY SIMPSON COMPANY, OR APPROVED EQUAL.

ALL FASTENERS AND CONNECTORS IN CONTACT WITH PRESERVATIVE TREATED WOOD SHALL BE HOT-DIPPED GALVANIZED STEEL WITH A G185 SPECIFICATION OR TYPE 304 & 316 STAINLESS STEEL. TYPE 304 AND 316 STAINLESS STEEL SHOULD BE USED FOR ALL CONNECTORS AND FASTENERS IN CONTACT WITH AZCA TREATED WOOD AND SOME VARIATIONS OF ACQ TREATED WOODS. HOT-DIPPED GALVANIZED STEEL SHOULD NEVER COME IN CONTACT WITH STAINLESS STEEL.

PLYWOOD OSB:
 PLYWOOD/OSB ROOF SHEATHING TO BE APA RATED C-D EXPOSURE 1 PER APA "PLYWOOD DESIGN SPECIFICATION" (Y510). MAXIMUM FASTENER SPACING SHALL BE 6" O.C. AT ALL SUPPORTED PANEL EDGES, AND 12" O.C. AT INTERMEDIATE SUPPORTS. FASTENERS INTO WOOD MEMBERS SHALL BE 10D NAILS PER THE "WOOD CONNECTORS" SECTION. FASTENERS INTO COLD-FORMED STEEL MEMBERS SHALL BE #10 SCREWS PER THE "COLD-FORMED STEEL CONNECTORS" SECTION.

STAGGER END LAPS AT ROOF AND FLOOR SHEATHING. SUPPORT SHALL BE SUPPLIED TO ALL PLYWOOD EDGES WITH PLYCLIPS, BLOCKING, TONGUE AND GROOVE PLYWOOD JOINTS OR OTHER APPROVED METHODS PER APA RECOMMENDATION.

PRESERVATIVE TREATMENT:
 ALL LUMBER, TIMBER, PLYWOOD, GLUE-LAMINATED AND OTHER COMPOSITE LUMBER THAT IS IN CONTACT WITH CONCRETE OR MASONRY OR EXPOSED TO WEATHER SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH CURRENT AMERICAN WOOD-PRESERVERS' ASSOCIATION (AWPA) PRESERVATIVE (P) STANDARDS. THESE MEMBERS SHALL BE TREATED WITH COPPER AZOLE PRESERVATIVE IN ACCORDANCE WITH CURRENT AWPA COMMODITY (C) STANDARDS AND THE AWPA USE CATEGORY SYSTEM (UCS). WHEREVER POSSIBLE, PRECUT ALL MATERIAL BEFORE TREATMENT. HANDLE TREATED LUMBER IN ACCORDANCE WITH AWPA M4 STANDARDS.

FIELD CUTS, HOLES (SUCH AS ANCHOR BOLT HOLES IN TREATED SILL PLATES) AND PENETRATION DAMAGE SHALL BE TREATED WITH COPPER AZOLE IN ACCORDANCE WITH THE CURRENT AWPA M4 STANDARDS.

ALL FASTENERS AND CONNECTORS IN CONTACT WITH PRESERVATIVE TREATED WOOD SHALL BE HOT-DIPPED GALVANIZED OR TYPE STAINLESS STEEL. SEE THE "WOOD CONNECTORS" SECTION.

PRESERVATIVE TREATMENT PRODUCT AND PROCEDURES SHALL BE SUBMITTED AND REVIEWED PRIOR TO CONSTRUCTION. OWNER REVIEW REQUIRED.

T & G DECKING:
 2" AND 3" T & G DECKING TO BE DOUGLAS-FIR. SELECT DECKING GRADE OR BETTER. DECKING SHALL BE LAYED UP AND NAILED IN A "CONTROLLED RANDOM LAYUP" CONFIGURATION PER AMERICAN WOOD COUNCIL'S (AWC.ORG) "WOOD CONSTRUCTION DATA 2, TONGUE AND GROOVE ROOF DECKING".

STRUCTURAL STEEL
 CHANNELS, ANGLES, AND PLATES TO BE ASTM A36, FY=36 KSI.
 HSS RECTANGULAR AND SQUARE STRUCTURAL TUBE TO BE ASTM A500, GRADE B, FY=46 KSI.

ALL STEEL EXCEPT STEEL EMBEDDED IN CONCRETE SHALL BE GIVEN ONE SHOP COAT OF APPROVED PAINT. WELDS TO BE 3/16" MINIMUM CONTINUOUS FILLET, BY CERTIFIED WELDERS USING E70XX ELECTRODES. ALL WELDING SHALL BE PERFORMED IN STRICT ADHERENCE TO A WRITTEN WELDING PROCEDURE SPECIFICATION (WPS) PER AWS D1.1. ALL WELDING PARAMETERS SHALL BE WITHIN THE ELECTRODE MANUFACTURER'S RECOMMENDATIONS. WELDING PROCEDURES SHALL BE SUBMITTED TO THE OWNER'S TESTING AGENCY FOR REVIEW BEFORE STARTING FABRICATION OR ERECTIONS. COPIES OF THE WPS SHALL BE ON SITE AND AVAILABLE TO ALL WELDERS AND THE SPECIAL INSPECTOR.

ANCHOR BOLTS EMBEDDED IN MASONRY ARE ASTM F1554 GRADE 36, UNLESS OTHERWISE NOTED. USE HEADED ANCHOR BOLTS, NOT "J" BOLTS. DO NOT ENLARGE HOLES IN BASE PLATE BY BURNING. BENDING OF ANCHOR BOLTS IS PERMITTED ONLY WITH THE PRIOR APPROVAL FROM THE ENGINEER.

WHERE NOT SPECIFICALLY SHOWN BY DETAIL, CONNECTIONS SHALL BE BOLTED FRAME BEAM CONNECTIONS PER AISC STANDARDS. DURING ERECTION, STRUCTURAL STEEL SHALL BE SECURED FROM COLLAPSING WITH TEMPORARY BRACING.

SUBMIT SHOP DRAWINGS PREPARED BY AN EXPERIENCED DETAILER FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS TO BE COMPLETE, SHOWING ALL WELDS AND MATERIAL GRADES. PROVIDE A PLAN LOCATION OR DETAIL REFERENCE FOR EACH SHOP DRAWING. FOR MINOR STEEL-TO-STEEL CONNECTIONS OF 12" AND SMALLER STEEL MEMBERS: IF AN EXPLICIT CONNECTION IS NOT SHOWN ON THE STRUCTURAL DRAWINGS, DETAILER IS TO PROPOSE A CONNECTION SIMILAR TO THE CONNECTIONS ON THE DRAWINGS OR PER AISC STANDARD CONNECTIONS. ON THE SHOP DRAWING, CLOUD THE CONNECTION AND STATE "VERIFY." SHOP DRAWINGS NOT MEETING THESE CONDITIONS WILL BE REJECTED. REVIEW OF SHOP DRAWINGS BY THE ENGINEER IS FOR DESIGN INTENT ONLY, AND DOES NOT INCLUDE VERIFICATION OF DIMENSIONS AND QUANTITIES. VERIFICATION OF DIMENSIONS AND QUANTITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

STEEL FABRICATORS AND DETAILERS: BASE BID TO INCLUDE STEEL DETAILER AND FABRICATOR TIME AND COSTS FOR ROUTINE CONSTRUCTION QUESTIONS. ROUTINE CONSTRUCTION QUESTIONS INCLUDE DIMENSIONAL QUESTIONS AND MINOR FRAMING QUESTIONS. ROUTINE CONSTRUCTION QUESTIONS ARE PART OF THE NORMAL CONSTRUCTION PROCESS, AND ARE TO BE INCLUDED IN THE BASE BID.

SCOPE OF STRUCTURAL ENGINEERING SERVICES:
 THE STRUCTURAL ENGINEER HAS PERFORMED THE STRUCTURAL DESIGN AND PREPARED THE STRUCTURAL WORKING DRAWINGS FOR THIS PROJECT. THE CONSTRUCTION MUST BE PERFORMED IN STRICT ACCORDANCE WITH THE STRUCTURAL DRAWINGS. ANY DEVIATION FROM THE DRAWINGS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER. ERRORS AND/OR OMISSIONS FOUND ON THE STRUCTURAL DRAWINGS MUST BE BROUGHT TO THE STRUCTURAL ENGINEER'S ATTENTION IMMEDIATELY.

ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. PRIMARY STRUCTURAL ELEMENTS ARE DIMENSIONED ON THE STRUCTURAL PLANS AND DETAILS. THE GENERAL CONTRACTOR SHALL VERIFY AND COORDINATE DIMENSIONS AMONG ALL DRAWINGS. ANY DISCREPANCIES, CONTRADICTIONS, OR OMISSIONS SHALL BE REPORTED TO THE ARCHITECT FOR RESOLUTION PRIOR TO PROCEEDING WITH WORK OR FABRICATION OF THE ITEM(S) IN QUESTION.

THE STRUCTURAL ENGINEER IS RESPONSIBLE FOR THE DESIGN OF THE PRIMARY STRUCTURAL SYSTEM, EXCEPT FOR ANY COMPONENTS NOTED ABOVE. RESPONSIBILITY FOR ANY SECONDARY STRUCTURAL AND NON-STRUCTURAL SYSTEMS NOT SHOWN ON THE STRUCTURAL PLANS RESTS WITH SOMEONE OTHER THAN THE STRUCTURAL ENGINEER.

THE STRUCTURE SHOWN ON THESE DRAWINGS IS STRUCTURALLY SOUND ONLY IN ITS COMPLETED FORM. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACING TO STABILIZE THE BUILDING DURING CONSTRUCTION.

THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR, AND WILL NOT HAVE CONTROL OF, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE CONSTRUCTION WORK, NOR WILL HE BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

FIELD MEASUREMENTS AND THE VERIFICATION OF FIELD DIMENSIONS ARE NOT PART OF THE STRUCTURAL ENGINEER'S RESPONSIBILITY. THE CONTRACTOR MUST CHECK ALL (ASSUMED) EXISTING CONDITIONS SHOWN ON THESE DRAWINGS FOR ACCURACY AND NOTIFY THE STRUCTURAL ENGINEER OF ANY DISCREPANCIES. OMISSIONS FROM THE DRAWINGS OR SPECIFICATIONS OR THE INADVERTENT MISLABELING OF DETAILS OF WORK WHICH ARE MANIFESTLY NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, OR WHICH ARE CUSTOMARILY PERFORMED, SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING SUCH OMITTED OR INADVERTENT MISLABELED DETAILS OF THE WORK BUT THEY SHALL BE PERFORMED AS IF FULLY AND CORRECTLY SET FORTH AND DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.

SPECIAL INSPECTION SCHEDULE				
REQUIRED INSPECTIONS AND VERIFICATIONS FOR MASONRY CONSTRUCTION				
TYPE	CONTINUOUS	PERIODIC	REFERENCE STANDARD	IBC REFERENCE
DURING CONSTRUCTION THE INSPECTION PROGRAM SHALL VERIFY: 1. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAME OR OTHER CONSTRUCTION 2. SPECIFIED SIZE, GRADE AND TYPE OF ANCHOR BOLTS AND ANCHORAGES		X	TMS 602/ACI 530.1/ASCE 6a Art. 1.8C, 1.8D, 2.4, 3.9F, 3.4, 3.6B, TMS 402/ACI 530/ASCE 5a Sec. 1.2.2(e), 1.15, 1.16.1, 2.1.9.7.3.2, 3.3.3.4(b); CBC Sec. 2104A.3, 2104A.4	

**>>>>CAUTION - CALL 811<<<<
 UTILITY NOTIFICATION CENTER
 BEFORE YOU DIG!
 WWW.CALL811.COM**

Also, verify all underground utilities not located by the 811 service by using a commercial location service and call SPR Inspection Request Line (206) 684-7034.

RECORD DRAWING


THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION SUBMITTED, IN PART, BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, THE ARCHITECT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THE INFORMATION AND IS NOT RESPONSIBLE FOR ITS ACCURACY NOR FOR ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THIS DOCUMENT AS A RESULT.

3		
2		
1		
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
 PARK ENGINEER

All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.

ARCHITECT OF RECORD
 **OAI PS, INC.**
 Architects & Planning
 1011 SW KLUCKITAT WAY, #208
 SEATTLE, WA 98134
 (206) 631-8442

STRUCTURAL ENGINEER
 **PSM CONSULTING ENGINEERS**
 2200 6TH AVENUE, #601
 SEATTLE, WA 98121
 (206) 622-4580

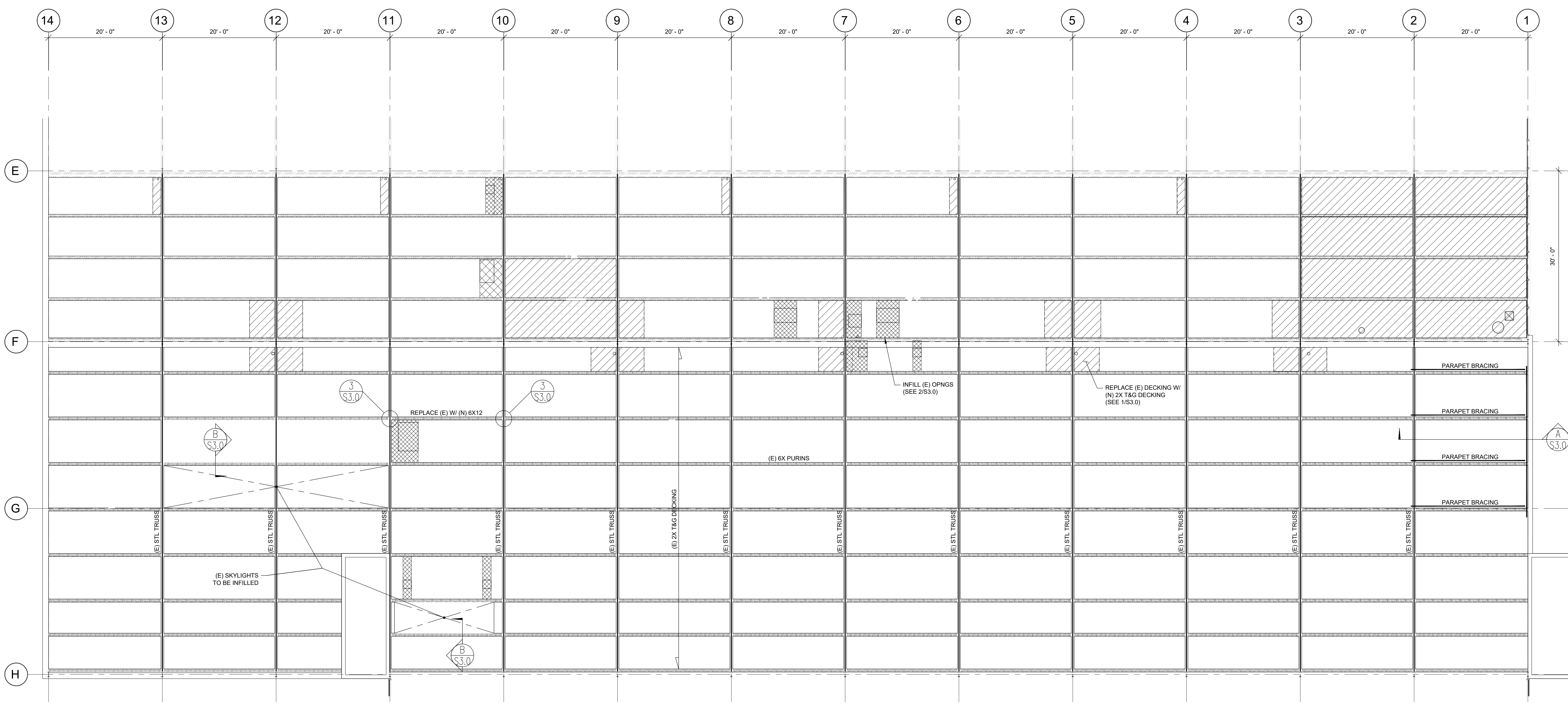
 **Seattle Parks & Recreation**

**WARREN G. MAGNUSON PARK
 7400 SAND POINT WAY NE**

**BUILDING #2 ROOF
 REPLACEMENTS**

**GENERAL NOTES
 SPECIAL INSPECTIONS**

DESIGNED <u>Author</u>	DATE	03/25/21
DRAWN <u>Designer</u>		
CHECKED <u>Checker</u>	SHEET	20 OF 22
ORDINANCE NO. _____	S1.0	
CONTRACT NO. _____		
SCALE _____ (U.N.O.)		



PARTIAL ROOF FRAMING PLAN
 SCALE: 1/8" = 1'-0"
 NORTH

>>>>CAUTION - CALL 811<<<<
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NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
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OAI PS ARCHITECTS & PLANNING
 1011 SW KLUCKITAT WAY, #208
 SEATTLE, WA 98134
 (206) 631-8442

STRUCTURAL ENGINEER
PSM CONSULTING ENGINEERS
 2200 6TH AVENUE, #601
 SEATTLE, WA 98121
 (206) 622-4580



Seattle Parks & Recreation

WARREN G. MAGNUSON PARK
7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS

BUILDING #2 PARTIAL ROOF FRAMING PLAN

DESIGNED: RC DATE: 03/25/21
 DRAWN: MB
 CHECKED: REM SHEET 21 OF 22

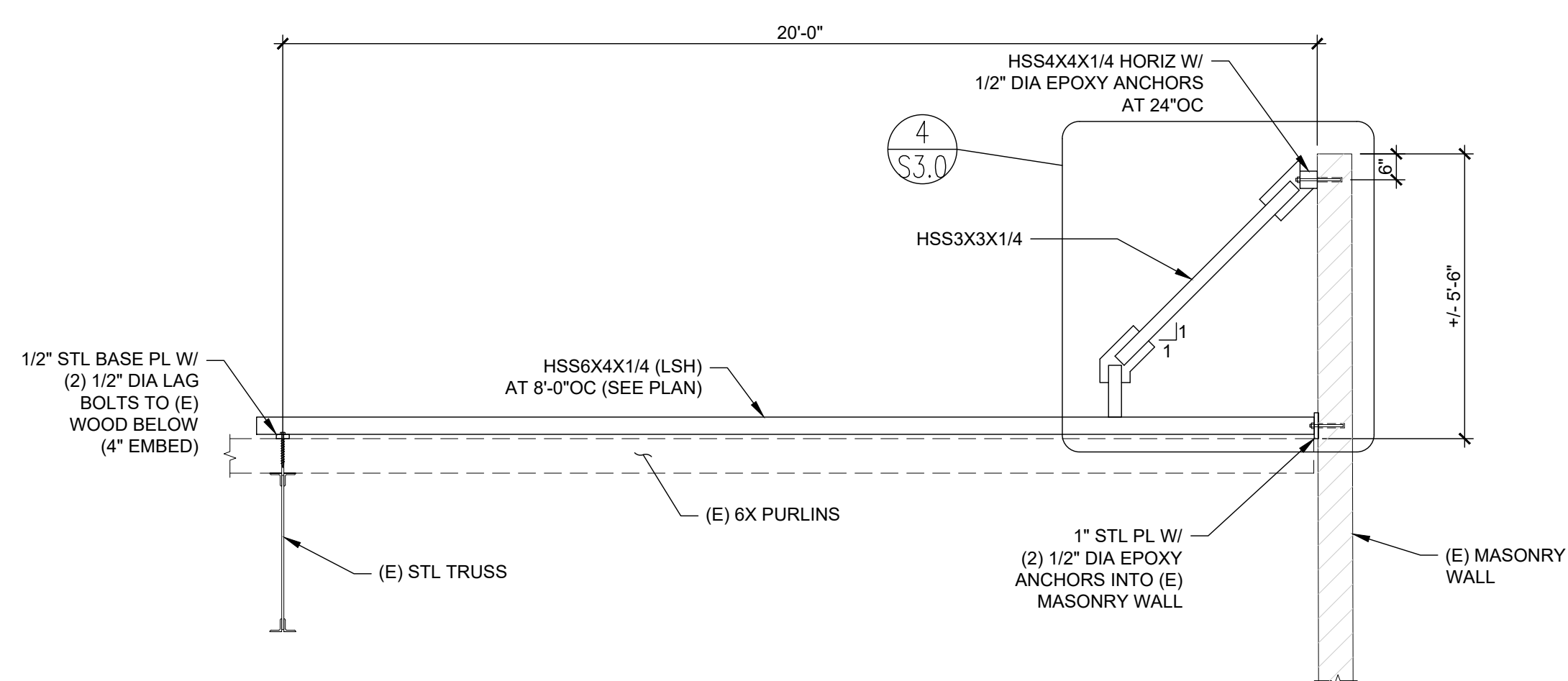
ORDINANCE NO. _____ CONTRACT NO. _____
S2.0
 SCALE: _____ (U.N.O.)

>>>>CAUTION - CALL 811<<<<
 UTILITY NOTIFICATION CENTER
 BEFORE YOU DIG!
 WWW.CALL811.COM

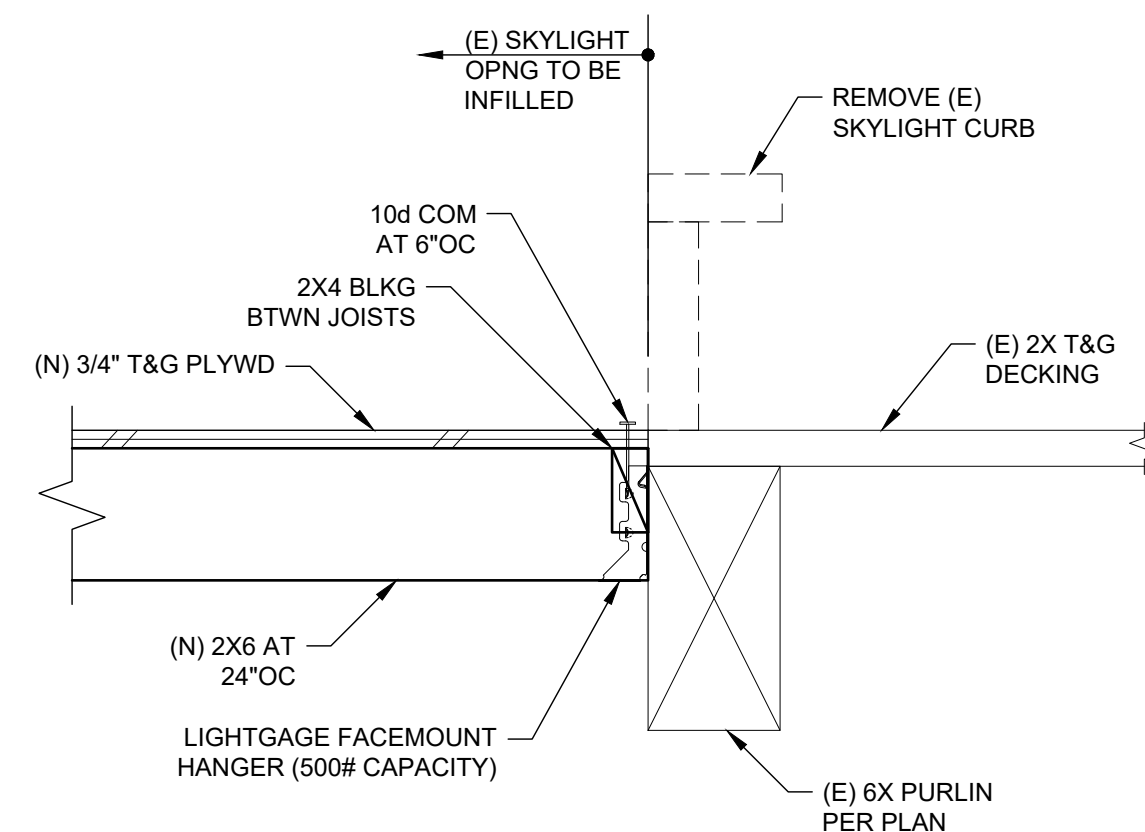
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RECORD DRAWING

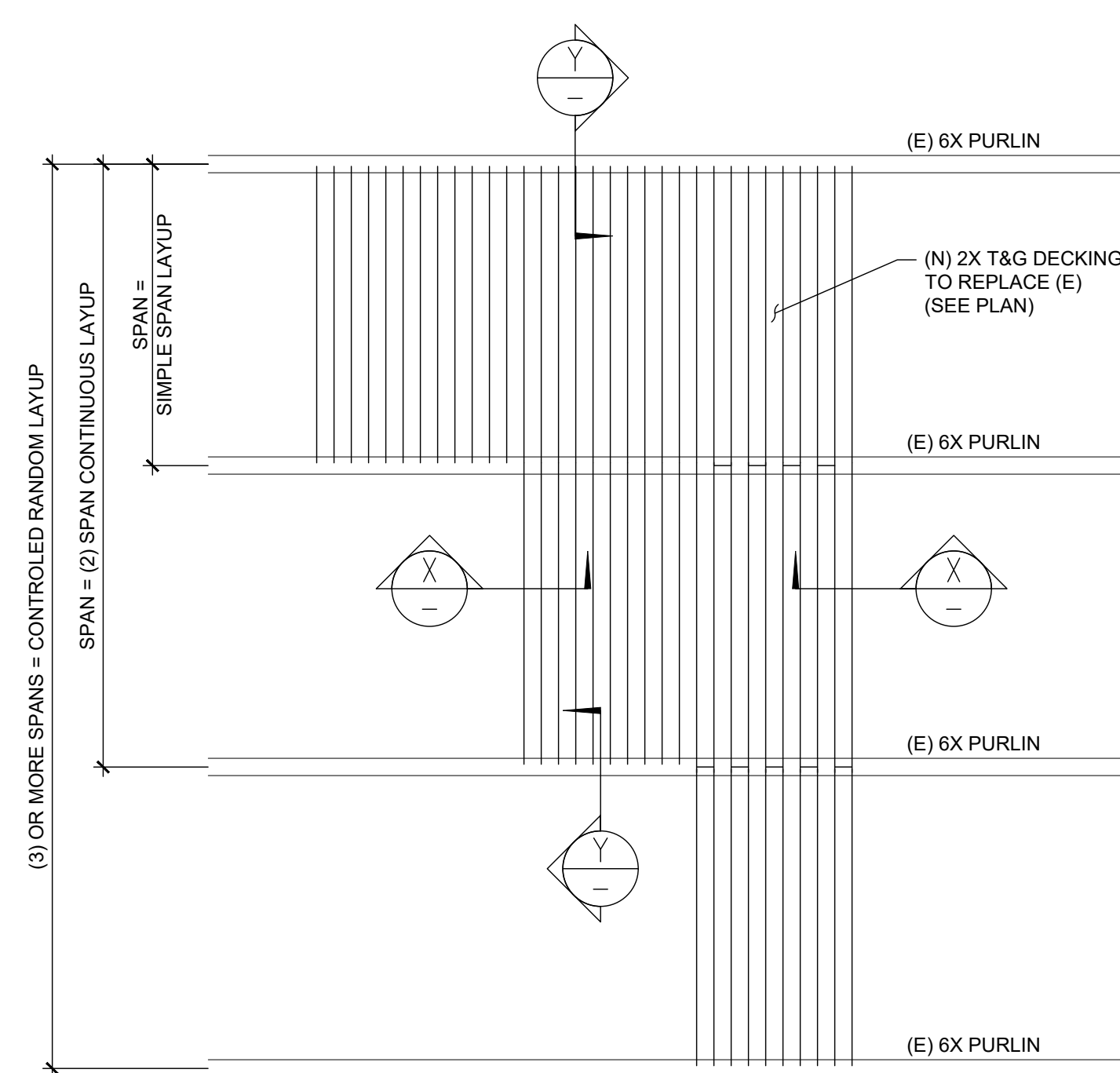
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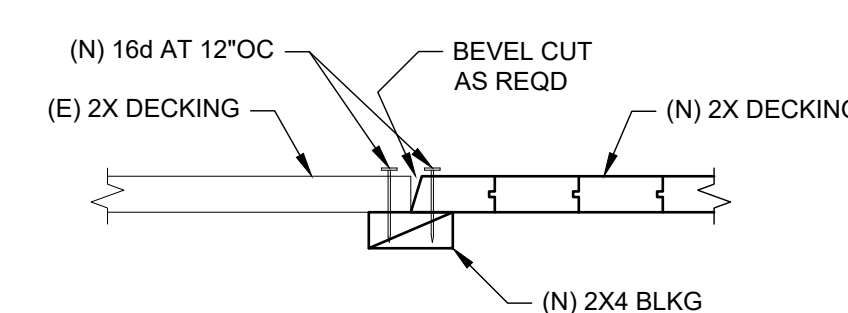
SECTION A
 SCALE: 3/8" = 1'-0"



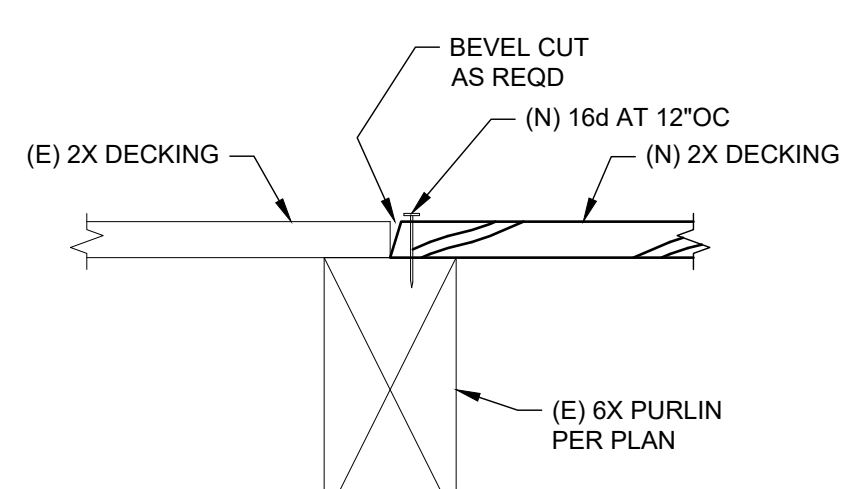
SECTION B
 SCALE: 1-1/2" = 1'-0"



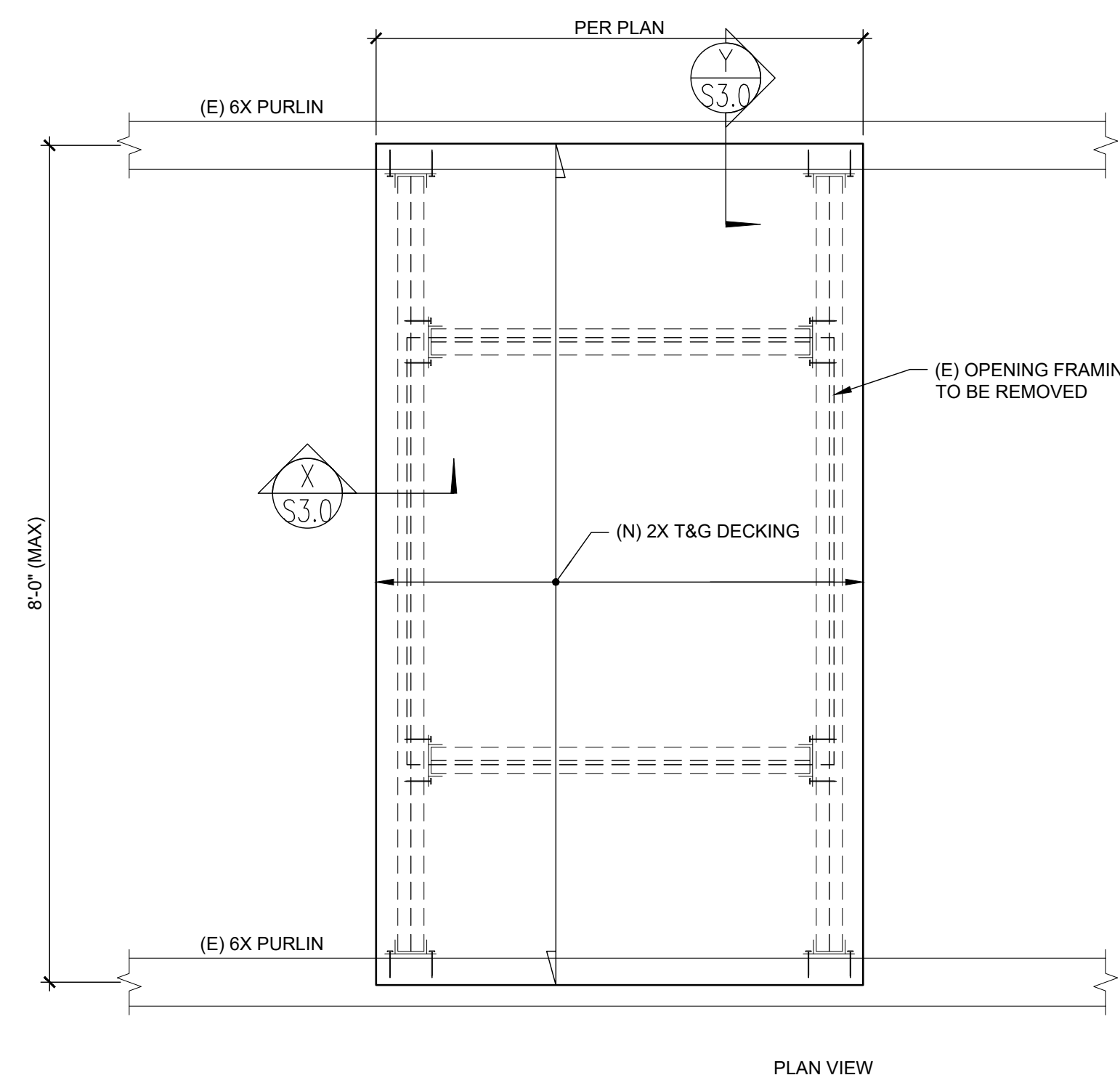
2X T&G DECKING REPLACEMENT
 NTS



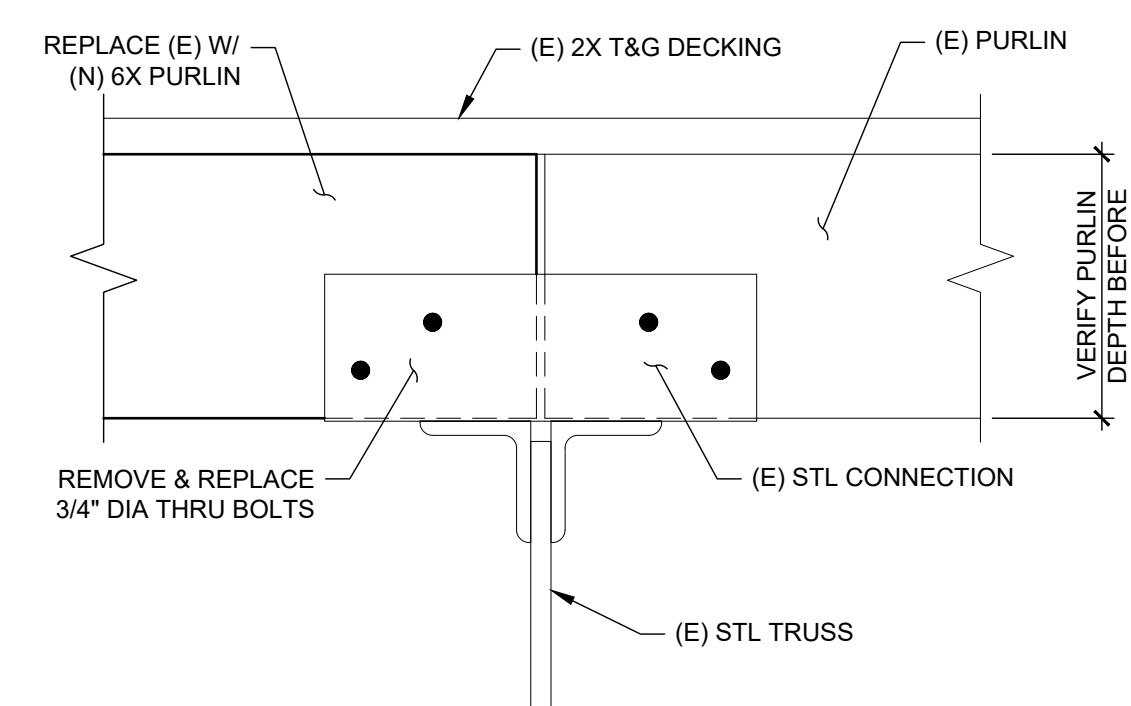
SECTION X



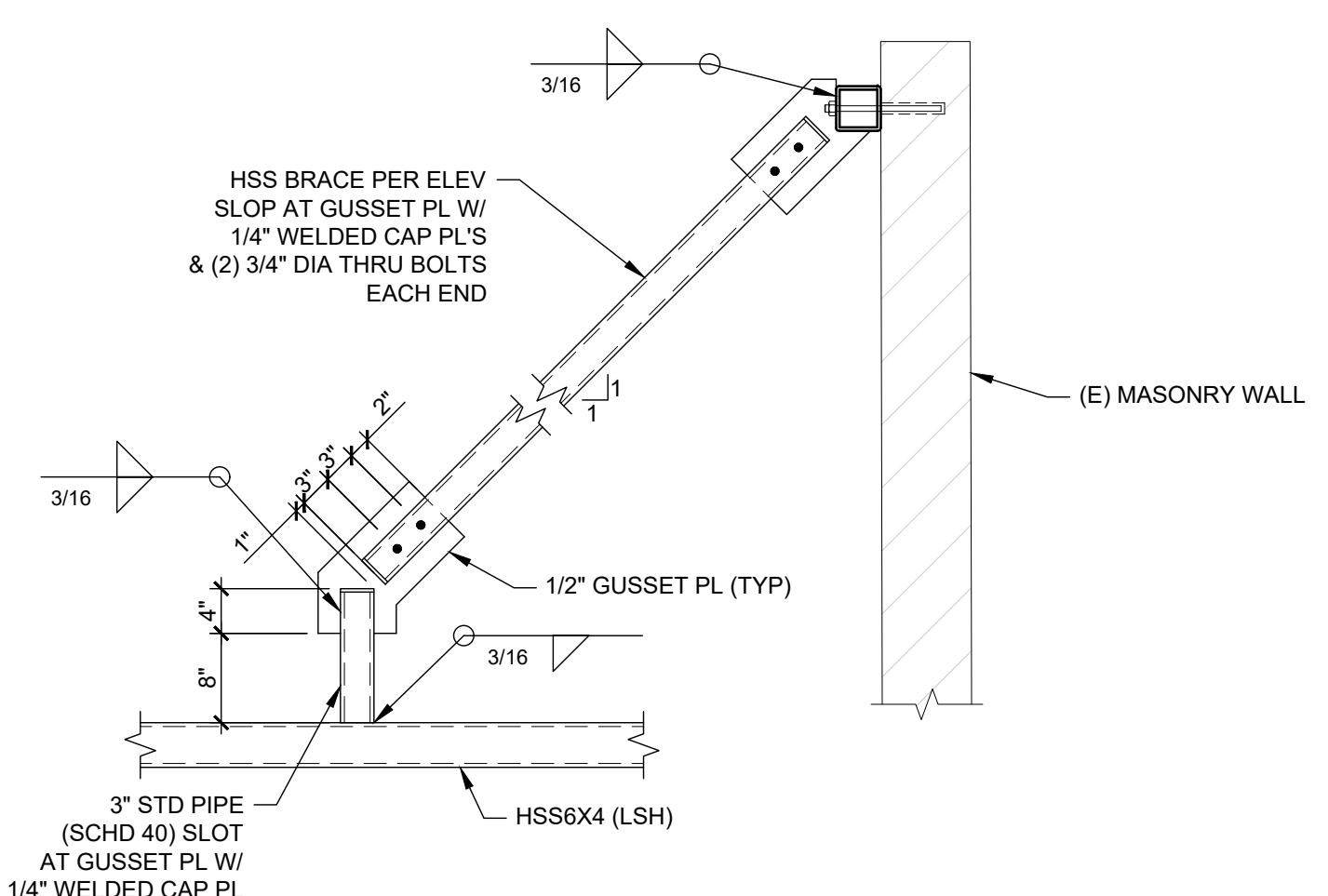
SECTION Y



ROOF INFILL DETAIL
 SCALE: 3/4" = 1'-0"



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



DETAIL 4
 SCALE: 3/4" = 1'-0"

3		
2		
1		
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
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Seattle Parks & Recreation

WARREN G. MAGNUSON PARK
 7400 SAND POINT WAY NE

BUILDING #2 ROOF REPLACEMENTS

SECTIONS & DETAILS

DESIGNED	Author	DATE	03/25/21
DRAWN	Designer		
CHECKED	Checker	SHEET	22 OF 22

ORDINANCE NO. _____ CONTRACT NO. _____ **S3.0**

SCALE (U.N.O.)

ure



SAVINGS FOR TOMORROW

Long-term analysis has shown that a quality designed roof system can cut the life-cycle costs of your roof by up to 25%. Plus, by reducing the number of times you replace your roof, you are taking an active role in decreasing the amount of waste that is transported to landfills. Carlisle's 30-year roof system – good for you...good for the environment.

Why install two, average roof systems in a 30-year period when you can install Carlisle's premium, 30-year 90-mil EPDM only once? By investing today, savings can be recognized well down the road.

Equivalent Uniform Annual Cost (\$/s.f. per year)



ATTENTION TO DETAIL

Carlisle protects the best roofing membrane by addressing every detail, including higher performing insulation, cover board, and metal edging. System components produced under strict quality control guidelines outperform traditional methods assembled by hand on the roof.

Factory-Applied 6" Tape

A seam applied in a controlled factory environment is a tremendous advantage that enhances workmanship. Six inch Factory-Applied Tape greatly exceeds the peel and shear strength of hand applied seams while delivering a permanent watertight bond.

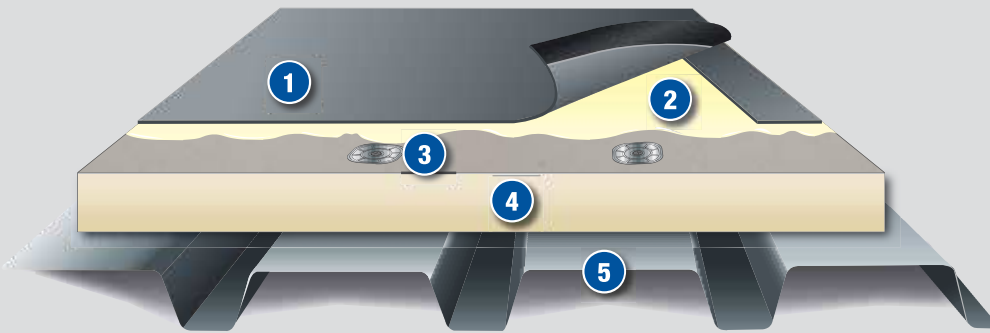
Rooftop Flashing Details Times Two

Critical flashing details are double wrapped for added security and resilient performance.



Sure-Seal® EPDM

Fully-Adhered Roofing Systems



- 1 Sure-Seal Membrane with Factory-Applied Tape (FAT™)
- 2 Carlisle Bonding Adhesive
- 3 Carlisle Fasteners and Plates
- 4 Acceptable Insulation
- 5 Approved Roof Deck

Sure-Seal EPDM Membranes for fully adhered roofing systems are available in the following:

Color	Black
Thicknesses (mils)	45, 60 and 90
Standard Widths	10' – 30'
Standard Lengths	50' – 100'

System Features & Benefits:

- » Over 50 years of proven performance
- » In colder climates, dark-colored EPDM reduces heating costs, which are generally 3–5 times greater than cooling costs
- » Industry leading UV resistance of 41,580 kJ/m²
- » Full thickness of weathering material, no internal scrim
- » 465% elongation results in superior hail damage resistance
- » Lowest global warming potential, acid rain and smog impact according to EPA's TRACI model

Existing or New Deck Type	New Construction						Re-roofing		
	Steel	Plywood or OSB	Lt. Wt. Concrete	Structural Concrete	Wood Planks	Gypsum & Fibrous Cement	Smooth Surface BUR	Gravel Surfaced BUR	Existing Single-Ply
Insulation Required	Yes	No	*Refer to Specs	No	Yes	Yes	No	Yes	Yes
Recommended Insulations	Carlisle Polyiso, OSB or SecurShield™ HD Cover Board over Polystyrene						← Refer to New Construction		
Insulation Attached By	FAST™ Adhesive (non-penetrating) or Carlisle Fasteners and Plates						← Refer to New Construction		
Membrane Attached By	Carlisle-Approved Bonding Adhesive						← Refer to New Construction		

FOR TEAR OFF OPTIONS REFER TO NEW CONSTRUCTION ABOVE.

For current code approvals, warranties and specifications and details, visit Carlisle's web site or contact Project Review.

* Refer to Carlisle's Adhered Design Criteria portion of the current specification for requirements.

Sure-Seal® EPDM

Fully-Adhered Roofing Systems

Installation

Carlisle's fully adhered roofing system utilizes 45-, 60- and 90-mil Sure-Seal non-reinforced or 45-, 60- and 75-mil Sure-Tough™ reinforced membranes.

Insulation is either mechanically fastened to the roof deck every two square feet, adhered with FAST Adhesive or other Carlisle approved insulation adhesive. Membrane is adhered to the insulation with Carlisle Approved Bonding Adhesive. Adjoining sheets of EPDM are spliced together a minimum of 3" using Carlisle's SecurTAPE™ or FAT™ seam technology.

The above information represents a typical Carlisle fully adhered roofing system. Refer to Carlisle's published specifications and details for more complete information.

Membrane and System Strengths

- » Carlisle manufactures all major components of the roof system
- » Dimensionally stable in both hot and cold climates
- » No slope restrictions
- » Lightweight assembly for a variety of decks
- » Reduces carbon footprint by lowering heating costs
- » Reduces safety hazard from snow and ice accumulation
- » Reduces hazardous rooftop conditions from frost, dew, or ice that are difficult to see on white membrane
- » Reduces potential condensation problems that can erode system performance
- » FAT Seam Technology and Pressure-Sensitive Flashing accessories enhance workmanship quality
- » 45-mil, 60-mil and 90-mil Sure-Seal membranes available for 15-, 25- and 30-year system warranties
- » Available in 10', 16½', 20', 25' and 30' widths. These widths of non-reinforced Sure-Seal membrane reduce splices between sheets
- » Using Sure-Tough reinforced membrane increases puncture resistance and tolerates heavy foot traffic
- » Carlisle's Fully Adhered Roof System offers design flexibility, addresses unconventional building configurations, and conforms to steeply sloped roof designs
- » Zero (no growth) rating for fungal growth

System Codes

- » UL Class A and B ratings are available over most deck types
- » FM uplift ratings up to 1-120 are available

For code specifics, refer to Carlisle's Code Approval Guide.

Quality Assurance

Carlisle Authorized Applicators have been trained to install fully adhered roofing systems.

Inspection

Upon installation completion, and prior to the issuance of a membrane system warranty, an inspection will be conducted by a Carlisle Technical Representative.

Warranty

Consult your Authorized Applicator or Carlisle Manufacturer's Representative/Distributor for associated warranty charges.

This system properly installed and inspected on a commercial project may receive:

- » A 10-, 15-, 20-, 25- or 30-year (75-mil or 90-mil required) Golden Seal™ Total System Warranty may be requested when all materials used for the roofing installation are manufactured or marketed by Carlisle. A maximum peak gust wind speed coverage of 55 miles per hour is standard. Additional coverage up to 30 years and 120 mph is available.
- » A 1" hail warranty is available with 60-mil EPDM and a 2" hail warranty is available with 75-mil or 90-mil EPDM
- » A 40-year non-prorated ELITE membrane material warranty is available with 90-mil black EPDM
- » Warranty for systems incorporating Carlisle's Sure-Tough membrane include coverage for damage caused by accidental punctures

For more specifics or for international warranty programs, contact Carlisle.

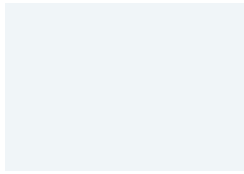


STANDARD COLORS

DURA TECH™ 5000 - Premium 70% Fluoropolymer (PVDF) Coating



ZINCALUME® Plus*
SRI: 64 • LRV: 67



Cool REGAL WHITE
SRI: 88 • LRV: 75



Cool PARCHMENT
SRI: 58 • LRV: 40



Cool SIERRA TAN
SRI: 55 • LRV: 34



Cool PEBBLE
SRI: 48 • LRV: 27



Cool WALNUT
SRI: 38 • LRV: 18



Cool WEATHERED COPPER
SRI: 34 • LRV: 11



Cool DARK BRONZE
SRI: 32 • LRV: 8



Cool TERRA-COTTA
SRI: 41 • LRV: 15



Cool COLONIAL RED
SRI: 35 • LRV: 9



Cool OLD TOWN GRAY
SRI: 43 • LRV: 27



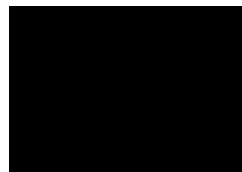
Cool ZINC GRAY
SRI: 39 • LRV: 20



Cool SLATE GRAY
SRI: 33 • LRV: 12



Cool MIDNIGHT BRONZE
SRI: 27 • LRV: 7



Cool MATTE BLACK
SRI: 29 • LRV: 5



Cool TAHOE BLUE
SRI: 33 • LRV: 14



Cool REGAL BLUE
SRI: 29 • LRV: 10



Cool SAGE GREEN
SRI: 41 • LRV: 21



Cool LEAF GREEN
SRI: 30 • LRV: 11



Cool FOREST GREEN
SRI: 29 • LRV: 9

METALLIC COLORS¹

DURA TECH™ mx - Premium Fluoropolymer (PVDF) Pearlescent Coating (Subject to upcharge)

PREMIUM COLORS¹

(Subject to upcharge)



VINTAGE®¹
SRI: 22 • LRV: 20



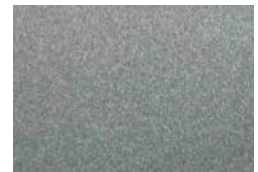
NATURAL RUST¹
SRI: 32 • LRV: 10



Cool METALLIC SILVER¹
SRI: 65 • LRV: 50



Cool SILVERSMITH¹
SRI: 58 • LRV: 54



Cool ZACTique® II¹
SRI: 39 • LRV: 22



Cool METALLIC CHAMPAGNE¹
SRI: 54 • LRV: 33



Cool METALLIC COPPER¹
SRI: 53 • LRV: 29

REPRESENTATION OF COLORS MAY VARY DUE TO PRINTING LIMITATIONS.

Sample color chips are available upon request. Consult your AEP Span representative for more information.