

SITE COPY

BURIEN PARK APARTMENTS

BLD-23-0456

RE-ROOF PERMIT SET - 02.15.2023



253.625.7090 | NEXUS@nexusbec.com
747 FAWCETT AVE, SUITE C, TACOMA, WA 98402



PROJECT INFORMATION

PROJECT NAME: BURIEN PARK
 ADDRESS OF PROPERTY: 500 SW 148TH STREET, BURIEN, WA 98166
 PARCEL NUMBER: 192304-9004
 LEGAL DESCRIPTION: THE WEST 39 FEET OF THE SOUTH 230 FEET OF THE NORTHEAST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER;
 ALSO THE SOUTH 3.50 ACRES OF THE EAST 7 ACRES OF THE SOUTHEAST ONE-QUARTER OF THE NORTHWEST ONE-QUARTER OF THE NORTHEAST ONE-QUARTER;
 EXCEPT THE NORTH 100 FEET THEREOF; AND
 EXCEPT THAT PORTION THEREOF CONVEYED TO KING COUNTY FOR ROAD UNDER RECORDING NUMBER 6060695; AND
 EXCEPT THAT PORTION OF THE ABOVE-DESCRIBED PROPERTY LYING WITHIN SOUTHWEST 148TH STREET;
 ALL IN SECTION 19, TOWNSHIP 23 NORTH, RANGE 4 EAST, W.M., IN KING COUNTY, WASHINGTON;
 TOGETHER WITH VACATED PORTION OF 4TH AVENUE SOUTHWEST AS DISCLOSED BY ORDINANCE NUMBER 2970.
 SUBJECT TO EASMENT TO PUGET SOUND POWER AND LIGHT, RECORDING NUMBER 2761929, FOR TRANSMISSION LINE EASEMENT TO KING COUNTY, RECORDING NUMBER 6639455, FOR SLOPES SOUTHWEST 148TH STREET PROTECTIVE RESTRICTIONS, RECORDING NUMBER 5614622.
 JURISDICTION: CITY OF BURIEN
 ZONING: RM-24
 CODES UTILIZED: INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2018 WITH WASHINGTON STATE AMENDMENTS
 WASHINGTON STATE ENERGY CODE (WSEC), 2018 RESIDENTIAL PROVISIONS
 YEAR BUILT: 1983
 USE: APARTMENT (EXISTING)
 OCCUPANCY TYPE: R2 (EXISTING)
 CONSTRUCTION TYPE: V-A (EXISTING)
 BUILDING SF: 78,651 SF (EXISTING)
 LOT SIZE: 91,476 SF (EXISTING)
 TOTAL FLOORS: 3 + 1 BASEMENT (EXISTING)
 FIRE SPRINKLER: FULLY SPRINKLERED (EXISTING)

PROJECT DESCRIPTION

REMOVE EXISTING ASPHALT ROOF SHINGLES, DOWNSPOUTS, AND GUTTERS AND REPLACE WITH NEW. IMPROVE ROOF ACCESS WITH NEW ACCESS POINTS, LADDERS, STAGING PLATFORMS, AND FALL PROTECTION.

ENERGY CODE UPDATES

SECTION R503.1 GENERAL...
 ALTERATIONS TO AN EXISTING BUILDING, BUILDING SYSTEM OR PORTION THEREOF SHALL CONFORM TO THE PROVISIONS OF THIS CODE AS THEY RELATE TO NEW CONSTRUCTION WITHOUT REQUIRING THE UNALTERED PORTIONS OF THE EXISTING BUILDING OR BUILDING SYSTEM TO COMPLY WITH THIS CODE...
 ALTERATIONS SHALL BE SUCH THAT THE EXISTING BUILDING OR STRUCTURE USES NO MORE ENERGY THAN THE EXISTING BUILDING OR STRUCTURE PRIOR TO THE ALTERATION. ALTERATIONS TO EXISTING BUILDINGS SHALL COMPLY WITH SECTION R503.1.1 THROUGH R503.2.
R503.1.1 BUILDING ENVELOPE. BUILDING ENVELOPE ASSEMBLIES THAT ARE PART OF THE ALTERATION SHALL COMPLY WITH SECTION R402.1.1 OR R402.1.4, SECTIONS R402.2.1 THROUGH R402.2.11, R402.3.1, R402.3.2, R402.4.3 AND R402.4.4.
EXCEPTION: THE FOLLOWING ALTERATIONS NEED NOT COMPLY WITH THE REQUIREMENTS FOR NEW CONSTRUCTION PROVIDED THE ENERGY USE OF THE BUILDING IS NOT INCREASED:
 3. CONSTRUCTION WHERE THE EXISTING ROOF, WALL OR FLOOR CAVITY IS NOT EXPOSED.
 ***COMPLIES
 BASE SCOPE DOES NOT EXPOSE EXISTING WALL, FLOOR, OR ROOF CAVITIES.

GENERAL NOTES

- VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION WORK. ANY DISCREPANCIES OR CONFLICT BETWEEN DRAWINGS, SPECIFICATIONS AND SITE CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
- UNLESS OTHERWISE NOTED, ALL TYPICAL NOTES, DETAILS AND FEATURES SHOWN AS APPLICABLE TO ONE CONDITION SHALL BE APPLICABLE TO OTHERS AT SIMILAR CONDITIONS WHETHER IT IS SPECIFICALLY NOTED OR NOT.
- OPENINGS IN RATED WALL, FLOOR, CEILING AND ROOF ASSEMBLIES SHALL BE SEALED WITH PENETRATION SYSTEMS MEETING OR EXCEEDING THE REQUIRED FIRE RESISTIVE RATINGS.
- DO NOT SCALE THE DRAWINGS.
- ANY NECESSARY INVESTIGATION AND REMEDIATION OF ORGANIC GROWTH BY OTHERS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR UNDERSTANDING AND IMPLEMENTING ALL SAFETY REQUIREMENTS AND PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES REQUIRED BY THE GOVERNING JURISDICTIONS.
- DAMAGE REFERS TO ANY DETERIORATION, DARK STAINING, AND/OR SIGNS OF ORGANIC GROWTH.
- DO NOT SUBSTITUTE MATERIALS SPECIFIED WITHOUT RECEIVING WRITTEN APPROVAL FROM ARCHITECT.
- WORK TO BE COMPLETED IN ACCORDANCE WITH REGULATIONS AND CODE.
- WHERE CONFLICTS OCCUR, THE SCOPE OF WORK TAKE PRECEDENCE OVER SPECIFICATIONS AND SPECIFICATIONS TAKE PRECEDENCE OVER THE DRAWINGS.

SYMBOLS

	SECTION REFERENCE
	DETAIL REFERENCE
	EXTERIOR ELEVATION
	DOOR NUMBER
	WINDOW TYPE
	NORTH ARROW
	ELEVATION DATUM
	EXISTING CONSTRUCTION TO REMAIN
	NEW CONSTRUCTION

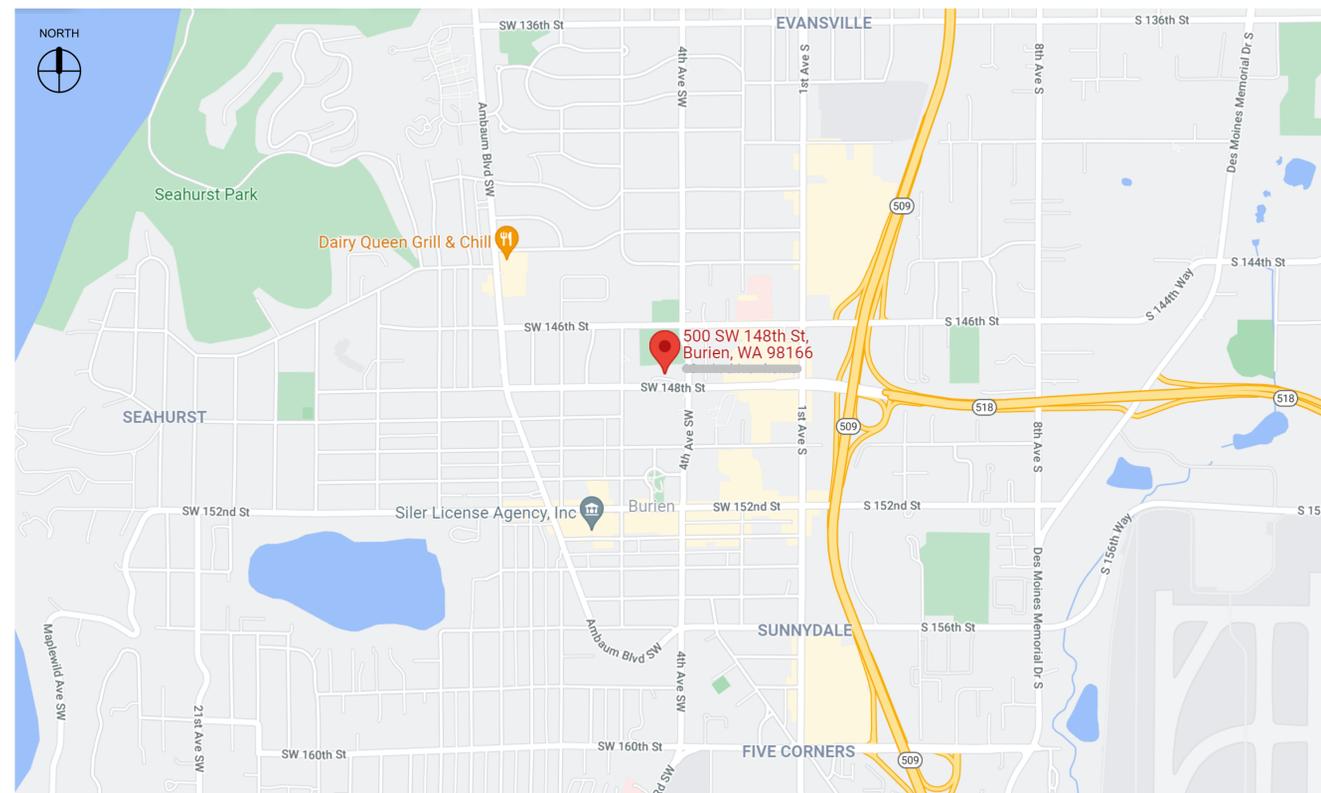
ABBREVIATIONS

NO.	NUMBER
OC	ON CENTER
OPP	OPPOSITE DIRECTION (MIRRORED)
PPT	PRESERVATIVE PRESSURE TREATED
TBD	TO BE DETERMINED
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
WSEC	WASHINGTON STATE ENERGY CODE

SHEET INDEX

SHEET	TITLE
T1.0	COVERSHEET
SD1.0	SITE PLAN
A1.0	OVERALL ROOF PLAN
A1.1	ROOF PLAN - WEST WING
A1.2	ROOF PLAN - EAST WING
A2.1	FRAMING PLANS AND DETAILS
A2.2	OVERFRAMED ROOF PLANS AND ELEVATIONS
A2.3	OVERFRAMED ROOF ELEVATIONS
A3.0	TYPICAL ROOF DETAILS
A3.1	TYPICAL ROOF DETAILS
A3.2	TYPICAL ROOF DETAILS
A3.3	TYPICAL ROOF DETAILS

VICINITY MAP



PROJECT TEAM

OWNER
 KING COUNTY HOUSING AUTHORITY
 700 ANDOVER PARK WEST, SUITE C
 TUKWILA, WA 98188
 PROJECT MANAGER: DON HATFIELD donh@kcha.org

ARCHITECT
 NEXUS bec
 253.625.7090
 747 FAWCETT AVE, SUITE C
 TACOMA, WA 98402
 ARCHITECT: DANI ITTNER dittner@nexusbec.com

Subject to in field inspector modifications, corrections and approvals

APPROVED PLANS AND DOCUMENTS SHALL BE PRINTED IN COLOR ON PAPER A MINIMUM SIZE OF 11x17" TO READ ALL NOTES, DIMENSIONS, AND COMMENTS

APPROVED PLANS, DOCUMENTS, CONDITIONS, PERMIT AND INSPECTION CARD ARE TO BE PRINTED IN COLOR AND BE ONSITE AT TIME OF INSPECTIONS.



PROJECT
 RE-ROOF
BURIEN PARK APARTMENTS
 500 SW 148TH STREET
 BURIEN, WA 98166

REVISIONS

DATE	02.15.2023
PROJECT NO.	21010NX.01
DRAWN BY:	DMH
REVIEWED BY:	
SHEET TITLE COVERSHEET	

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SHEET

T1.0

PERMIT SET

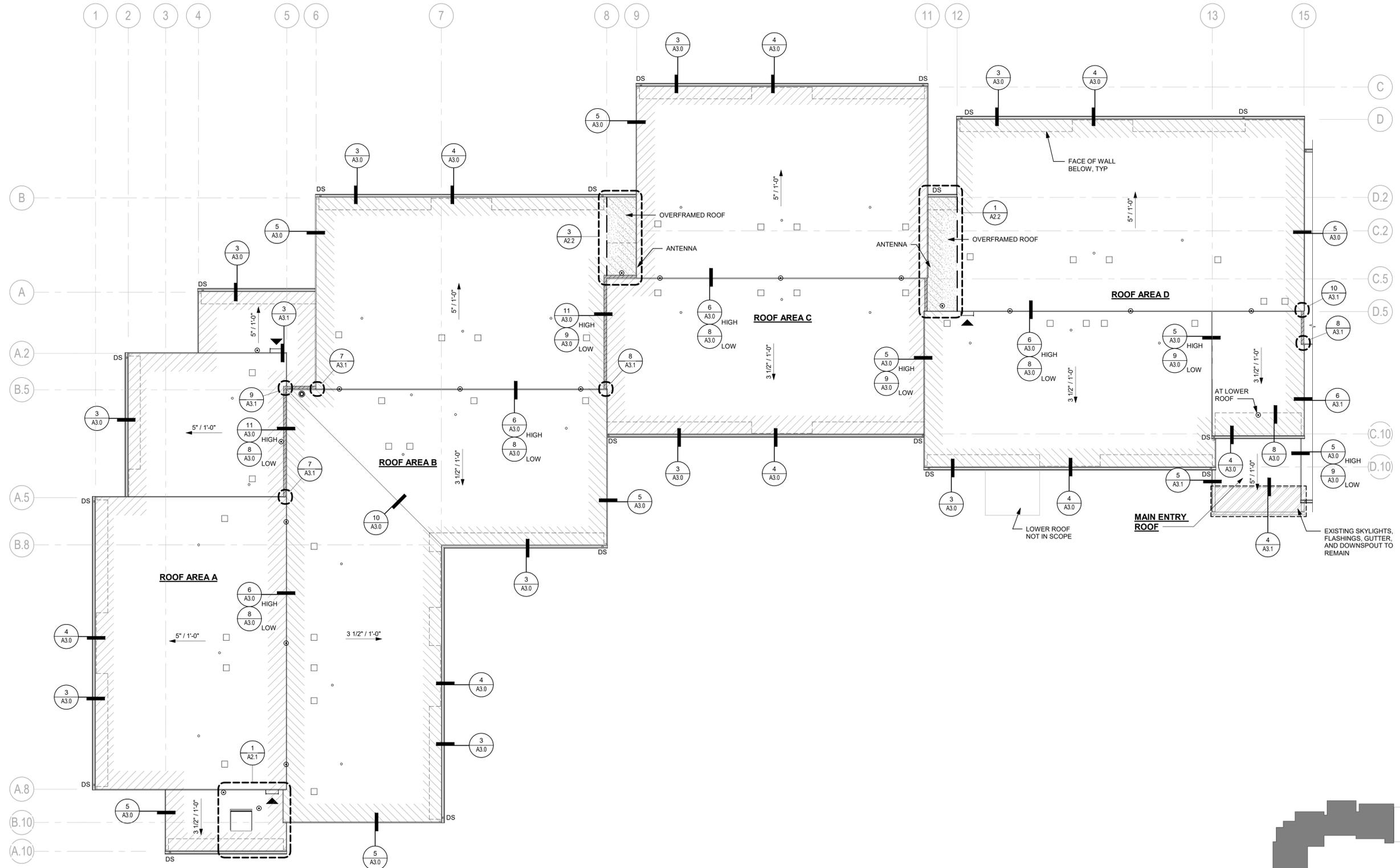
IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY.

LEGEND

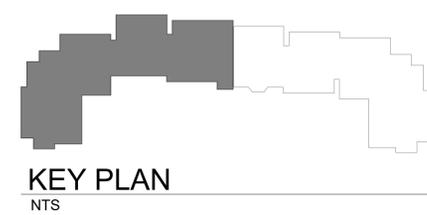
-  DOWNSPOUT LOCATION (MATCH EXISTING)
-  NEW WALL MOUNTED ACCESS LADDER. SEE DETAIL 3/A3.1
-  PARAPET WALL (EXISTING)
-  ATTIC ACCESS (BELOW ROOF)
-  GAS FURNACE EXHAUST VENT. SEE DETAIL 2/A3.2
-  ROOF ACCESS DOOR (EXISTING)
-  ROOF ANCHOR - VERIFY LAYOUT WITH MANUFACTURER REQUIREMENTS AND RECOMMENDATIONS
-  PIPE PENETRATION
-  FAN EXHAUST VENT. SEE DETAIL 1/A3.2

RE-ROOF SCOPE NOTES

1. REMOVE EXISTING SHINGLE ROOF, UNDERLAYMENT, RAKE BOARDS, DOWNSPOUTS, AND GUTTERS.
2. INSPECT EXISTING OVERHANG FASCIAS AND ROOF SHEATHING FOR DAMAGE AND REPLACE IN KIND IF DAMAGE FOUND
3. MODIFY FRAMING PER DETAILS AT NEW ROOF HATCH LOCATIONS.
4. INSTALL NEW ROOF HATCHES PER PLAN AND MANUFACTURER INSTALLATION INSTRUCTIONS.
5. ENLARGE OPENING AT ATTIC ACCESS WHERE SHOWN ON PLANS (AT ONE LOCATION) PER DETAILS.
6. INSTALL NEW ACCESS DOOR AT ENLARGED ATTIC ACCESS.
7. INSTALL NEW MOTION ACTIVATED LIGHT FIXTURE IN ATTIC ADJACENT TO ATTIC ACCESS.
8. INSTALL NEW DRYWALL/PATCH EXISTING DRYWALL AT INTERIOR AT NEW ROOF HATCH AND ATTIC ACCESS LOCATIONS. PAINT TO MATCH EXISTING.
9. INSTALL NEW ACCESS LADDER WITH SECURITY GATE AT INTERIOR AT NEW ROOF HATCH LOCATIONS.
10. INSTALL NEW FASCIAS, GUTTERS, GUTTER GUARDS, AND FLASHINGS PER DETAILS.
11. INSTALL NEW BOOT FLASHINGS AROUND ALL PIPE PENETRATIONS (53 TOTAL) AND NEW FLANGED ROOF VENT CAP AT ALL EXHAUST VENTS THROUGH ROOF (74 TOTAL). CONTRACTOR TO CONFIRM COUNT AND LOCATION.
12. INSTALL NEW UNDERLAYMENT AND SHINGLE ROOFING PER DETAILS AND MANUFACTURER INSTALLATION INSTRUCTIONS.
13. INSTALL FALL PROTECTION ANCHORS PER MANUFACTURER RECOMMENDED LAYOUT. SEE DETAILS ON SHEET A3.1.
14. INSTALL NEW PEAK AND CAP FLASHINGS PER DETAILS.
15. INSTALL NEW DOWNSPOUTS TO MATCH EXISTING LAYOUT.
16. INSTALL NEW EXTERIOR ROOF ACCESS LADDERS PER PLAN.



1 ROOF PLAN - WEST WING
1/8" = 1'-0"



KEY PLAN
NTS



PROJECT
RE-ROOF
BURIEN PARK APARTMENTS
500 SW 148TH STREET
BURIEN, WA 98166

REVISIONS

NO.	DATE	DESCRIPTION

DATE: 02.15.2023
PROJECT NO: 21010NX.01
DRAWN BY: DMI
REVIEWED BY: _____

SHEET TITLE
ROOF PLAN - WEST WING

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SHEET

A1.1

PERMIT SET

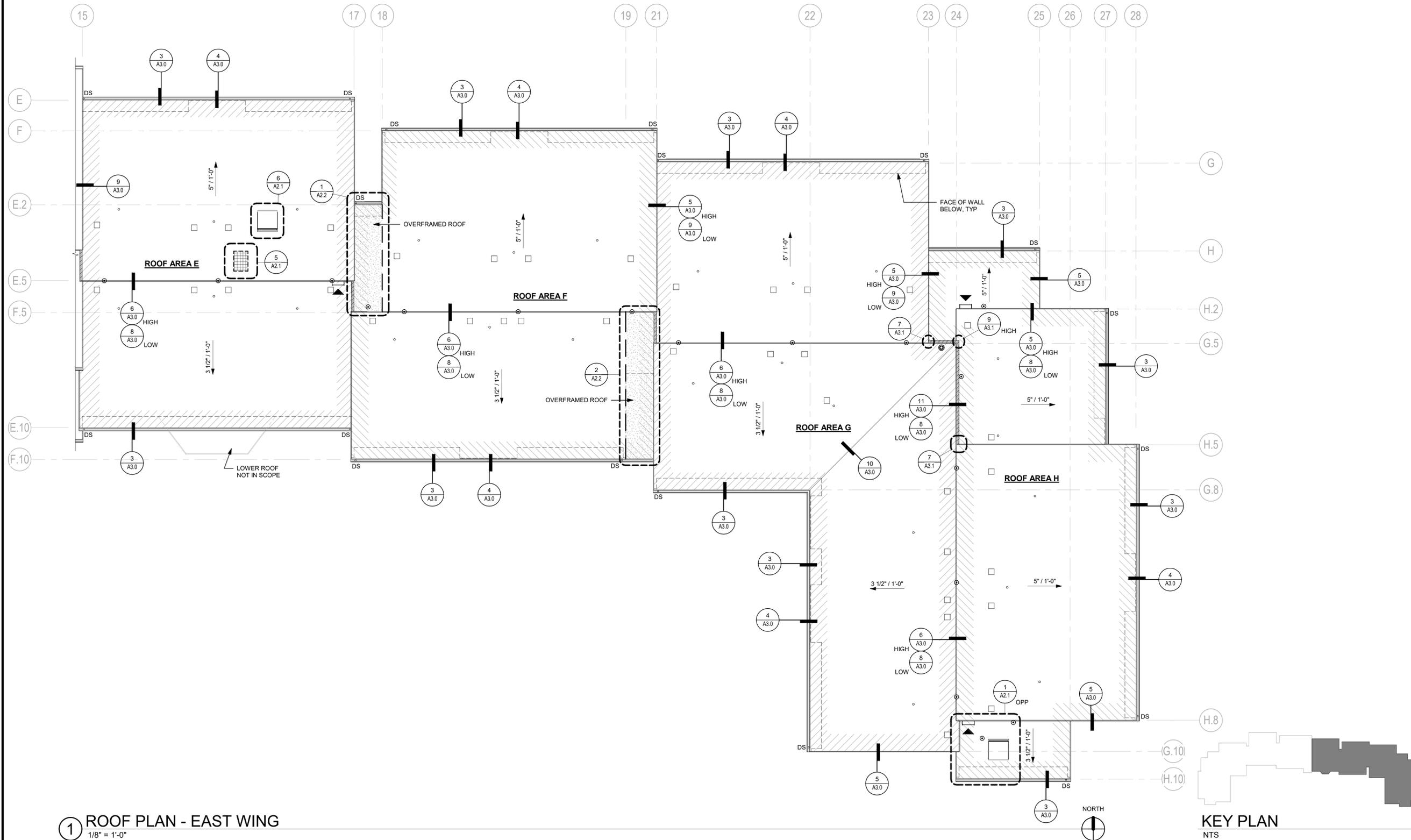
IF SHEET MEASURES LESS THAN 24"X36", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY.

LEGEND

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-  NEW WALL MOUNTED ACCESS LADDER. SEE DETAIL 3/A3.1
-  PARAPET WALL (EXISTING)
-  ATTIC ACCESS (BELOW ROOF)
-  GAS FURNACE EXHAUST VENT. SEE DETAIL 2/A3.2
-  ROOF ACCESS DOOR (EXISTING)
-  ROOF ANCHOR - VERIFY LAYOUT WITH MANUFACTURER REQUIREMENTS AND RECOMMENDATIONS
-  PIPE PENETRATION
-  FAN EXHAUST VENT. SEE DETAIL 1/A3.2

RE-ROOF SCOPE NOTES

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1 ROOF PLAN - EAST WING
1/8" = 1'-0"

KEY PLAN
NTS



PROJECT
RE-ROOF
BURIEN PARK APARTMENTS
500 SW 148TH STREET
BURIEN, WA 98166

REVISIONS

NO.	DESCRIPTION

DATE
02.15.2023

PROJECT NO.
21010NX.01

DRAWN BY: DMH

REVIEWED BY:

SHEET TITLE
ROOF PLAN - EAST WING

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SHEET

A1.2

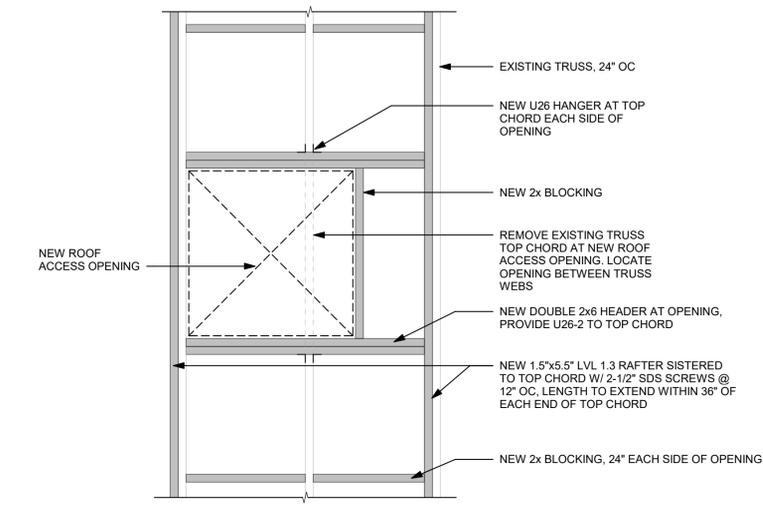
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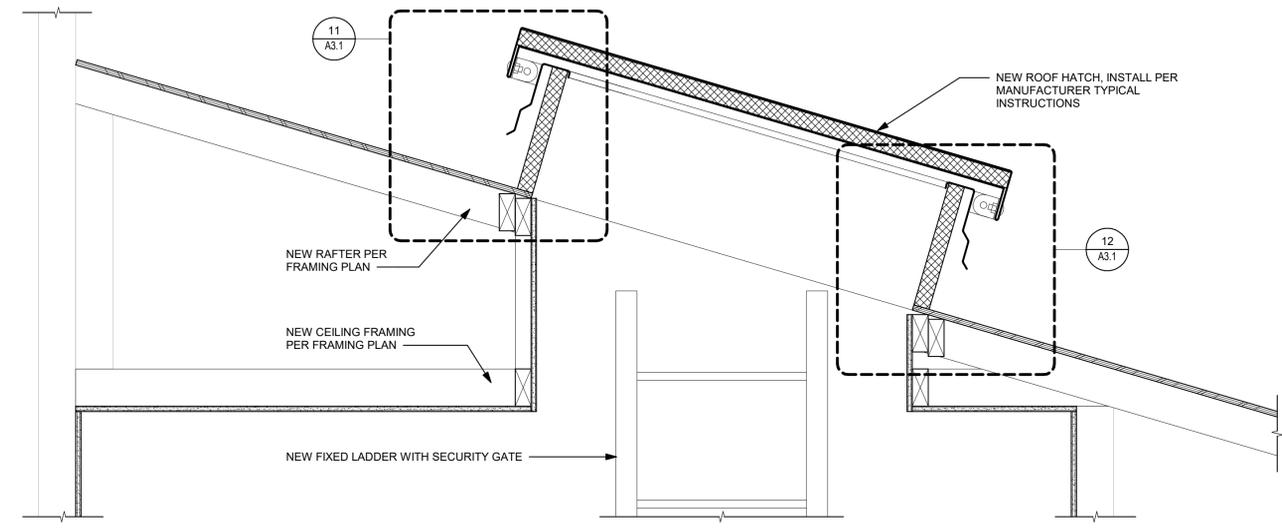
REVISIONS

NO.	DATE	DESCRIPTION

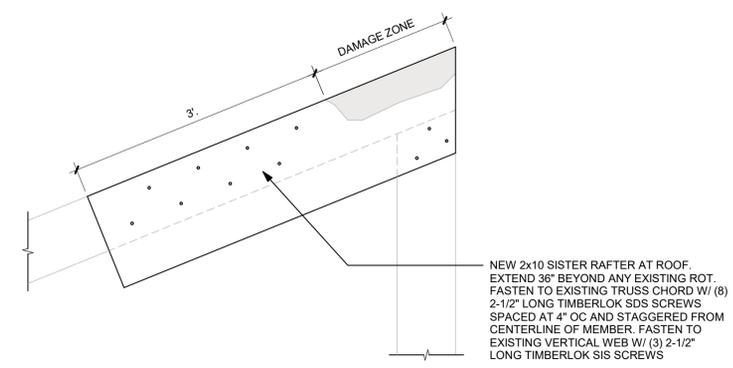
DATE
02.15.2023
PROJECT NO.
21010NX.01
DRAWN BY: DMI
REVIEWED BY:
SHEET TITLE
FRAMING PLANS AND DETAILS



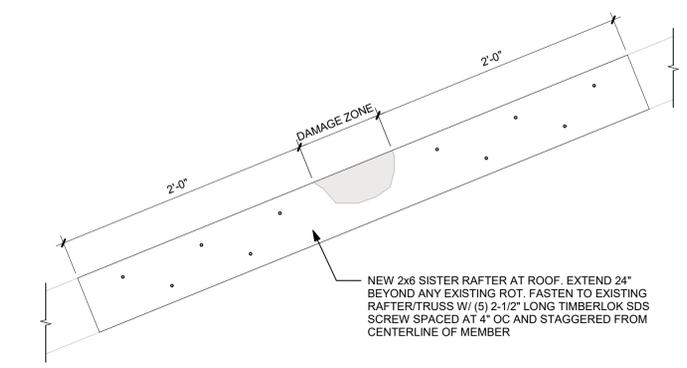
6 FRAMING AT NEW ROOF HATCH OVER HALLWAY
3/4" = 1'-0"



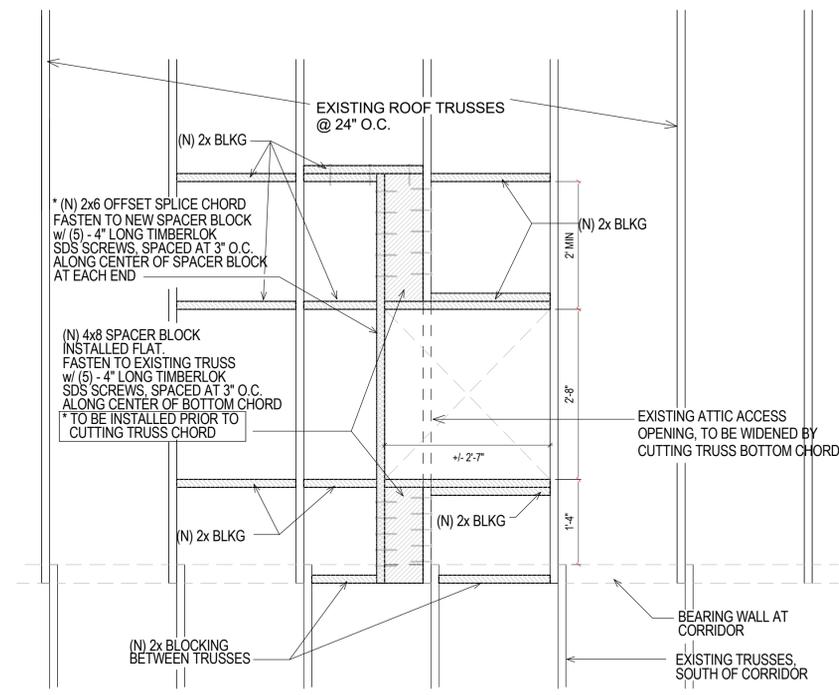
4 ROOF HATCH
1 1/2" = 1'-0"



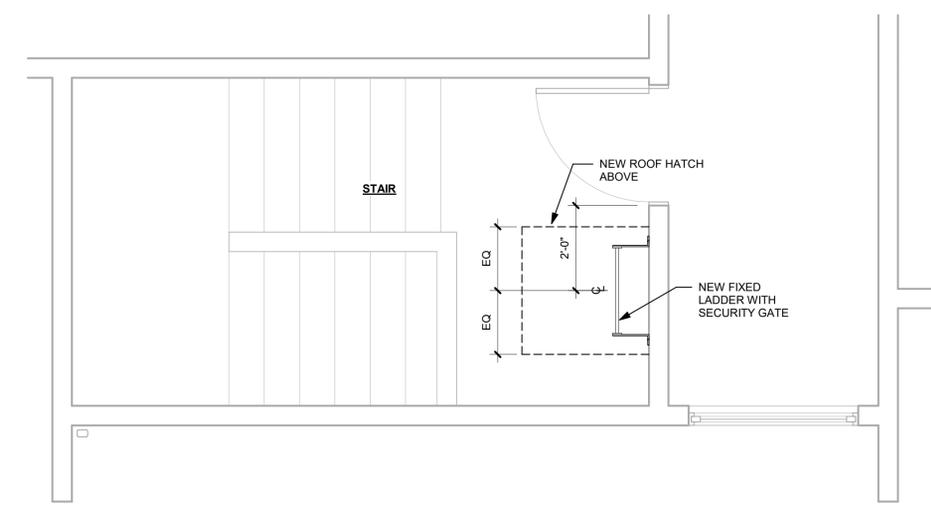
7 ROOF TRUSS REPAIR
1 1/2" = 1'-0"



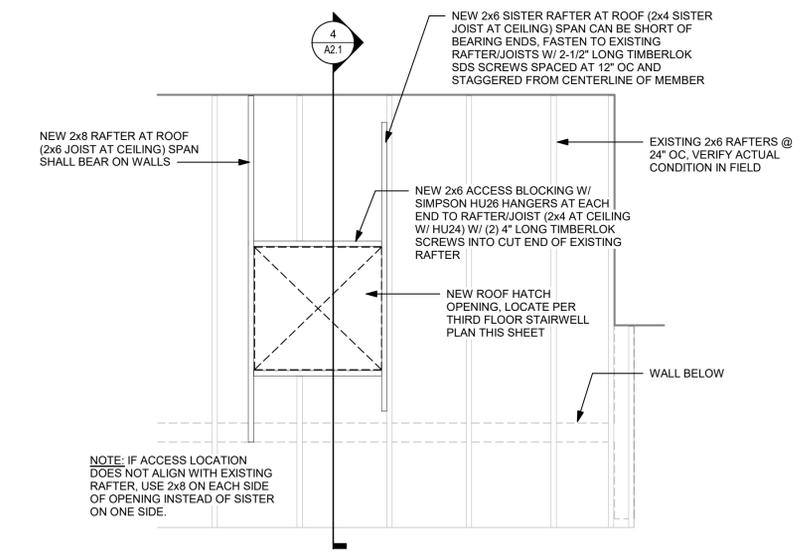
8 ROOF TRUSS REPAIR
1 1/2" = 1'-0"



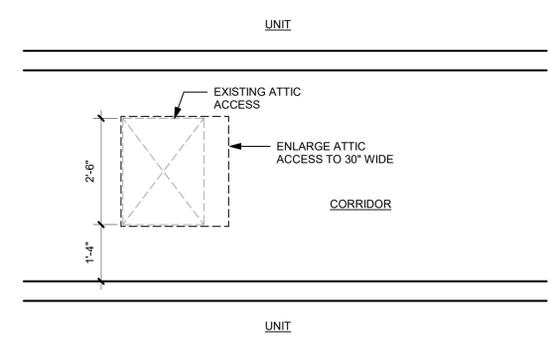
5 ATTIC ACCESS FRAMING
3/4" = 1'-0"



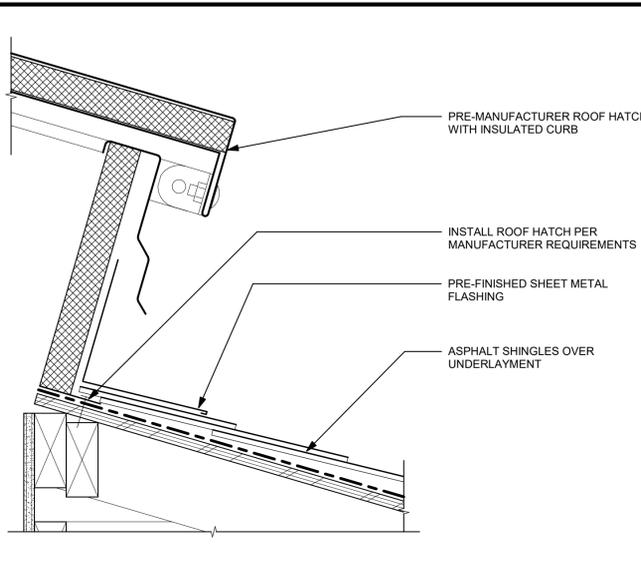
2 THIRD FLOOR STAIRWELL PLAN
1/2" = 1'-0"



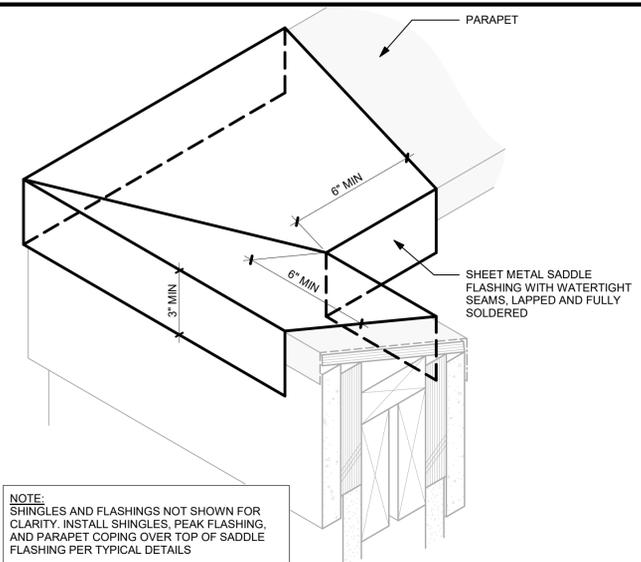
1 FRAMING PLAN AT NEW ROOF HATCH AT STAIR
1/2" = 1'-0"



3 THIRD FLOOR REFLECTED CEILING PLAN AT ATTIC ACCESS
1/2" = 1'-0"

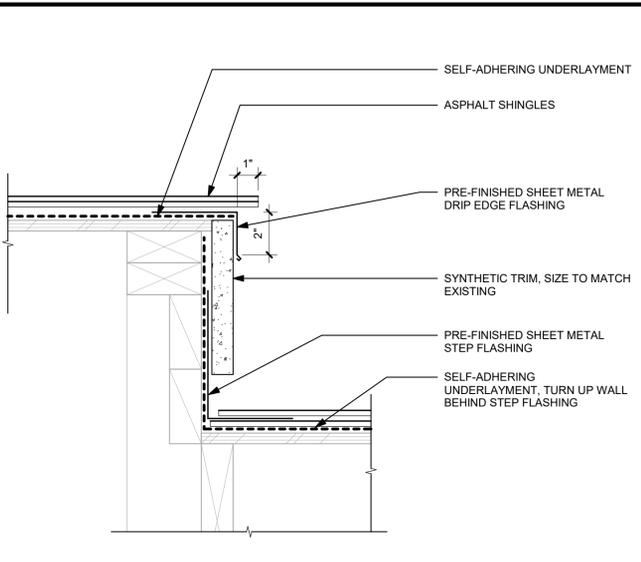


12 ROOF HATCH FLASHING
3" = 1'-0"

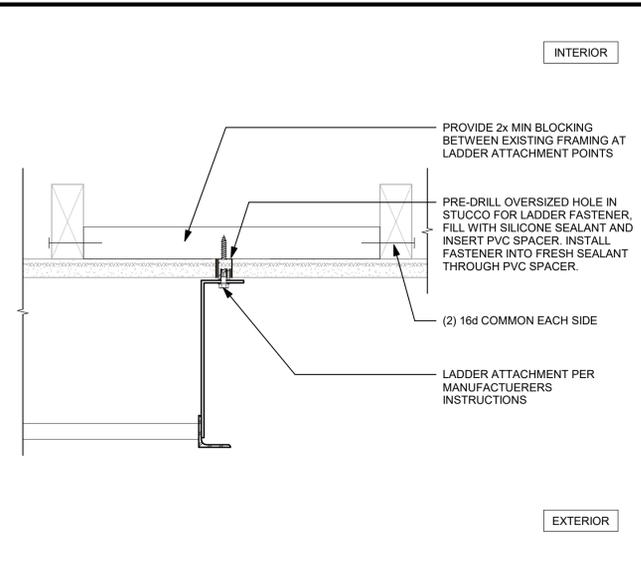


9 SADDLEFLASHING AT PARAPET CORNER
3" = 1'-0"

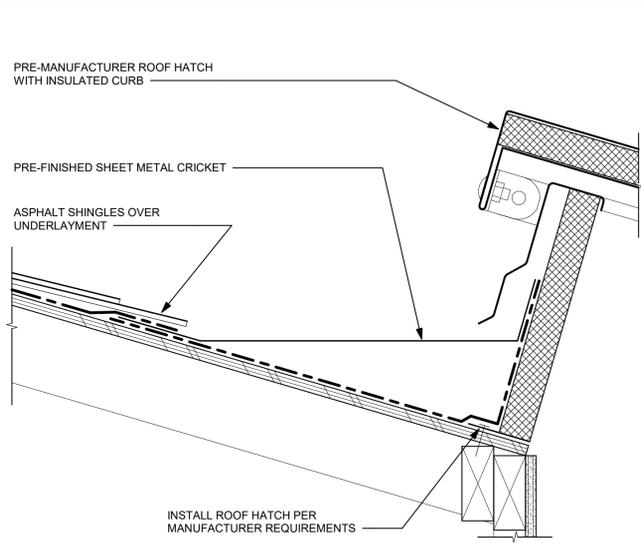
NOTE:
SHINGLES AND FLASHINGS NOT SHOWN FOR CLARITY. INSTALL SHINGLES, PEAK FLASHING, AND PARAPET COPING OVER TOP OF SADDLE FLASHING PER TYPICAL DETAILS



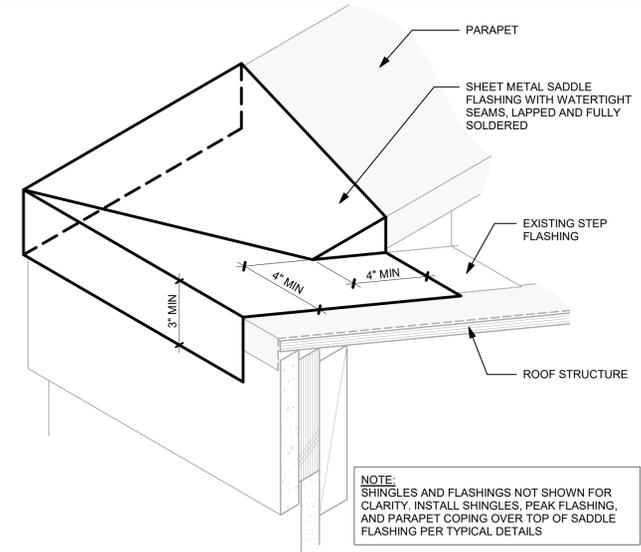
6 RAKE FLASHING
3" = 1'-0"



3 LADDER ATTACHMENT
3" = 1'-0"

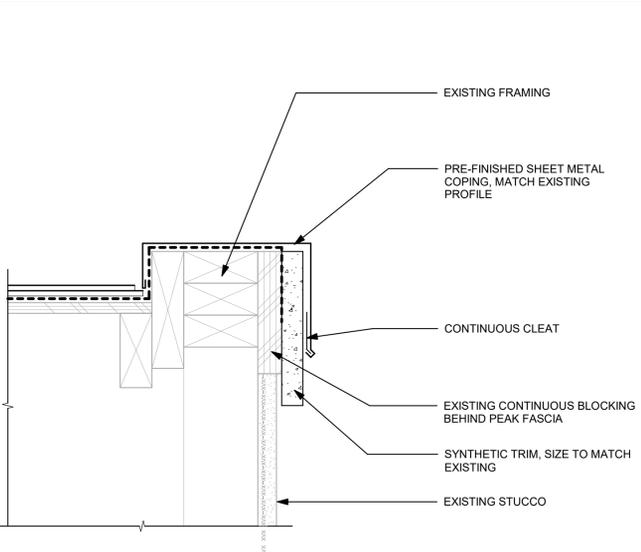


11 ROOF HATCH FLASHING
3" = 1'-0"

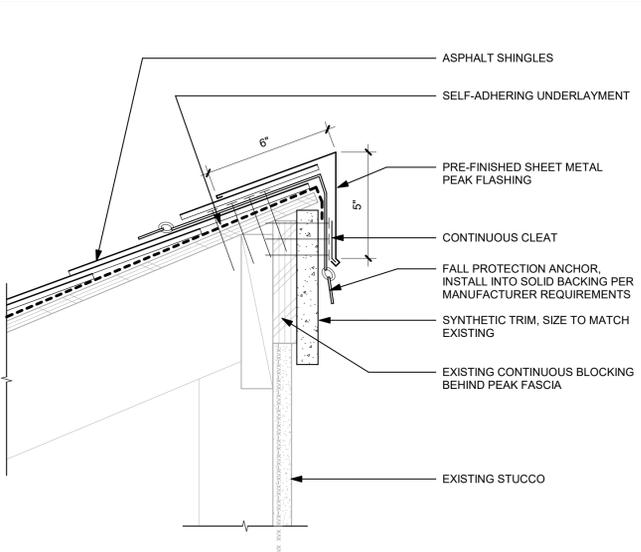


8 SADDLEFLASHING AT PARAPET AT ROOF
3" = 1'-0"

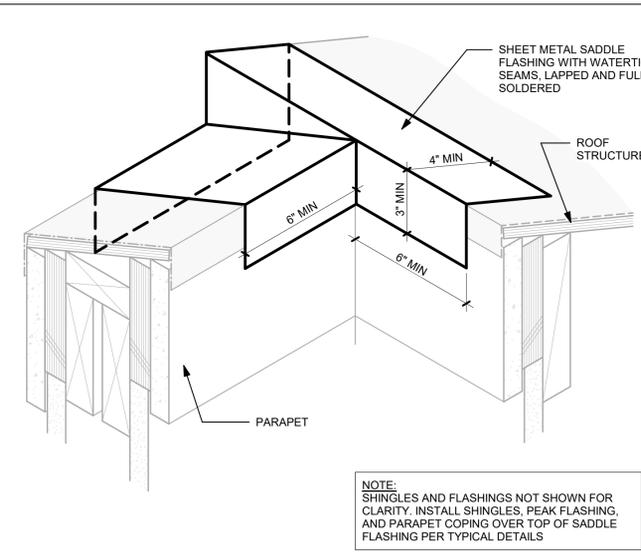
NOTE:
SHINGLES AND FLASHINGS NOT SHOWN FOR CLARITY. INSTALL SHINGLES, PEAK FLASHING, AND PARAPET COPING OVER TOP OF SADDLE FLASHING PER TYPICAL DETAILS



5 CURB AT ENTRY ROOF
3" = 1'-0"

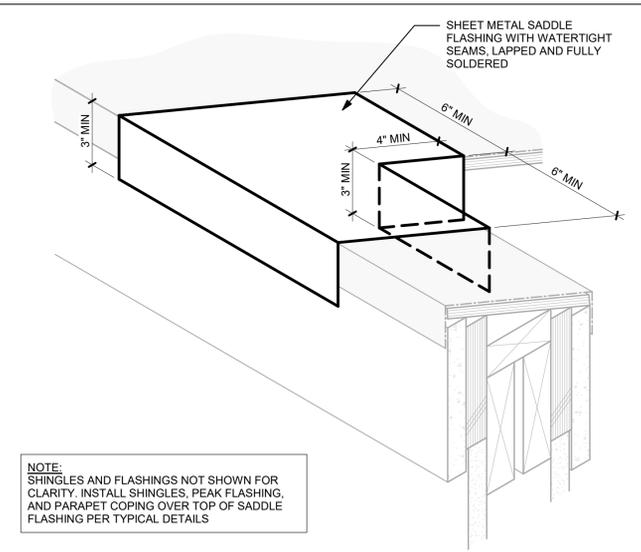


2 FALL RESTRAINT AT PEAK
3" = 1'-0"



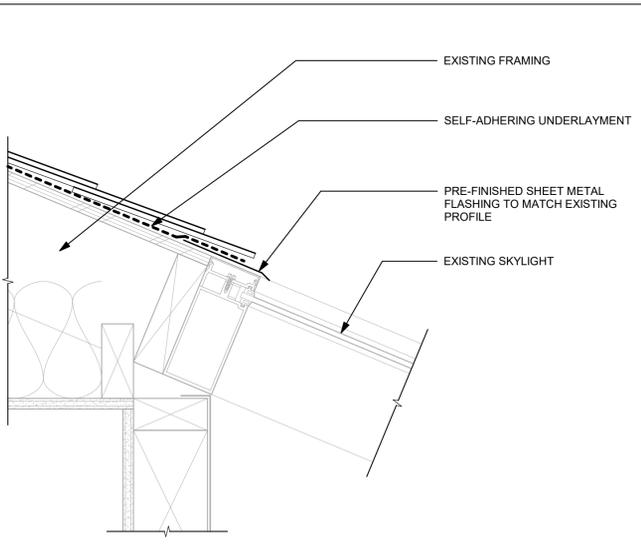
10 SADDLEFLASHING AT PARAPET AT ROOF
3" = 1'-0"

NOTE:
SHINGLES AND FLASHINGS NOT SHOWN FOR CLARITY. INSTALL SHINGLES, PEAK FLASHING, AND PARAPET COPING OVER TOP OF SADDLE FLASHING PER TYPICAL DETAILS

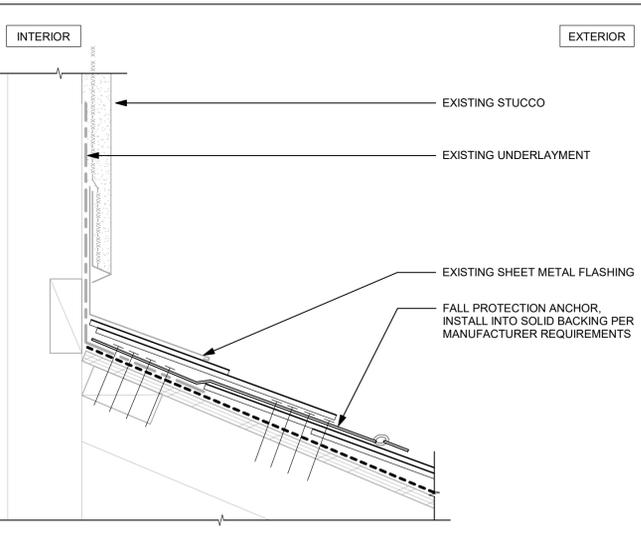


7 SADDLEFLASHING AT PARAPET AT ROOF
3" = 1'-0"

NOTE:
SHINGLES AND FLASHINGS NOT SHOWN FOR CLARITY. INSTALL SHINGLES, PEAK FLASHING, AND PARAPET COPING OVER TOP OF SADDLE FLASHING PER TYPICAL DETAILS



4 ROOF AT SKYLIGHT
3" = 1'-0"



1 FALL RESTRAINT AT ROOF AT WALL
3" = 1'-0"

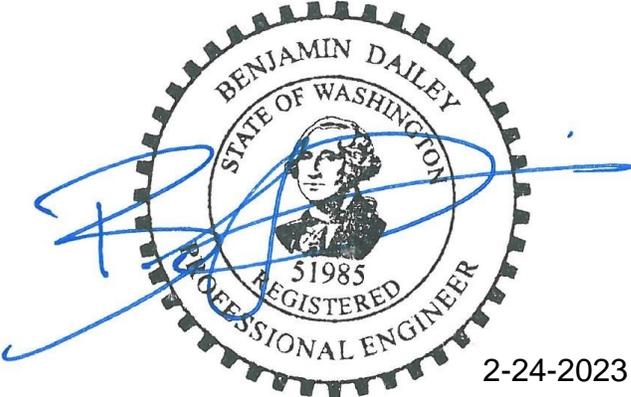
SITE COPY

BLD-23-0456

BURIEN PARK APARTMENTS
RE-ROOF

STRUCTURAL CALCULATIONS
FOR:
ROOF AMENDMENTS/REPAIRS

PREPARED BY:
Benjamin Dailey, P.E.



TITLE Burien Park: Re-Roof Structural Calculations		SHEET NUMBER Cover
 <p>253.625.7090 NEXUSbec.com 747 FAWCETT AVE, SUITE C TACOMA, WA 98402</p>	PROJECT Re-Roof Calculations Burien Park Apartments 500 SW 148th Street, Burien, WA	DATE 2-24-2023 NEXUS NO. 21010NX.01
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	IF SHEET MEASURES LESS THAN 8 1/2" X 11", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY	

Burien Park Apartments

Scope: Provide repair design for damaged truss top chords and roof rafters. Provide design for enlarged opening at ceiling attic access (30" x 30"). Provide design for new roof access hatch at rafters and trusses (30" x 30").

Governing Code: 2018 IEBC (WA Amendments)

ROOF LOADS		
Dead Load:	16	psf
Live Load:	16	psf
Snow Load:	25	psf

Max L.C. = DL + LL

Truss Span: 29 ft.

Max. Truss Top Chord (in zone)= 620#

Max Truss Bottom Chord (in zone)= 510#

Max. Truss Shear (in zone)= 192#

2.5" TimberLOK Capacity: 230# (ea.)

Top & Bottom Chord Repair/Opening:

Fasteners Required for sistered member: 1.5 x 620# / 230# = 4 screws

USE: (5) - 2.5" long TimberLOK SDS screws on each side of damage or opening (see details for additional notes)



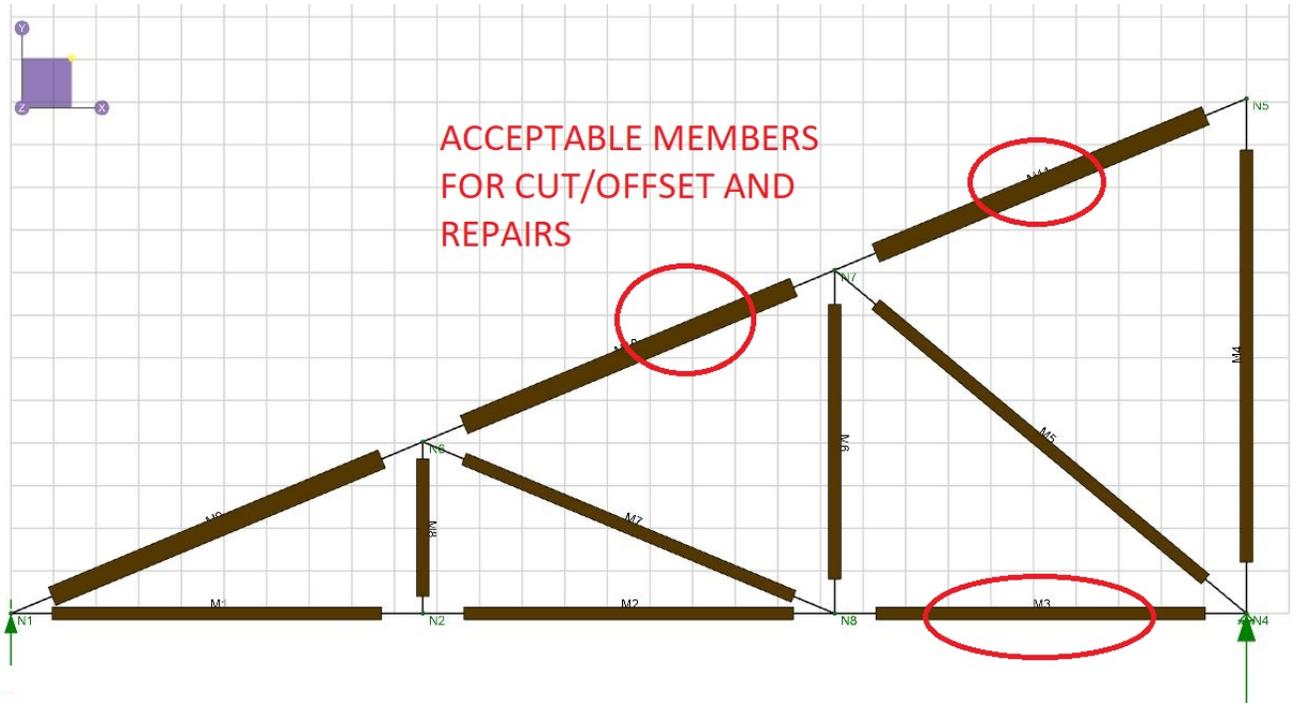


Figure 1 Existing truss to be modified or repaired.

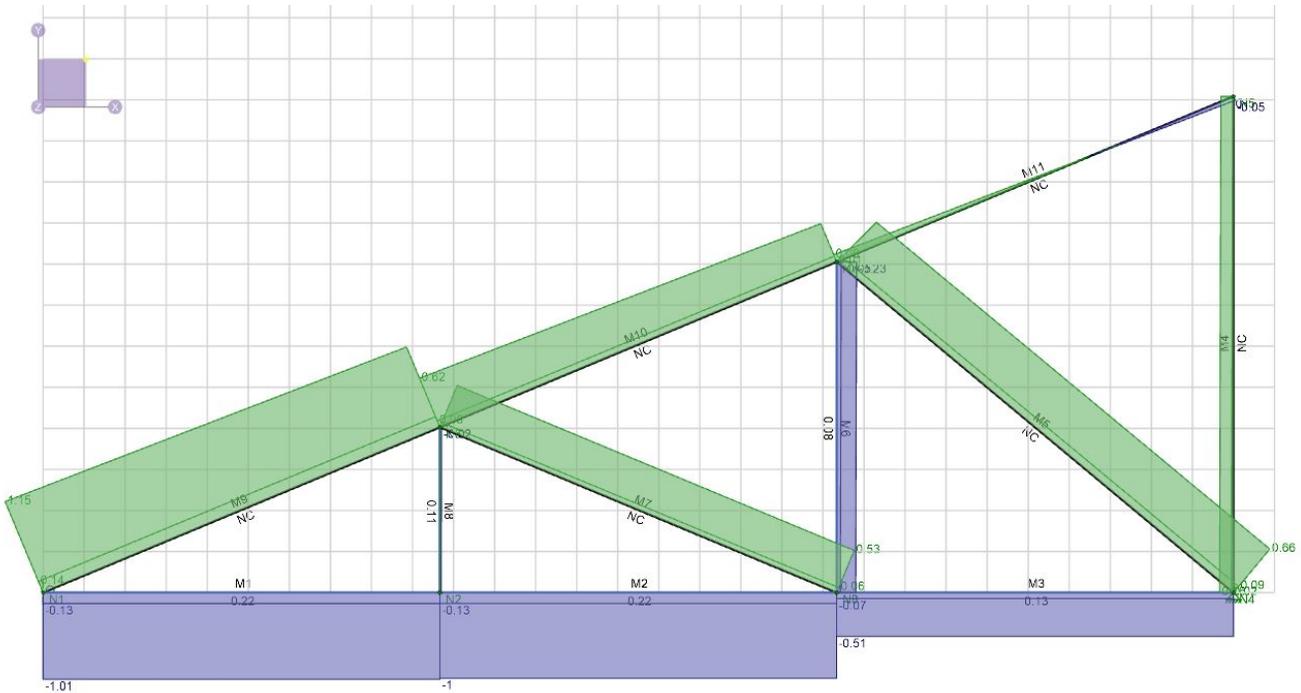


Figure 2: Truss Axial Loads

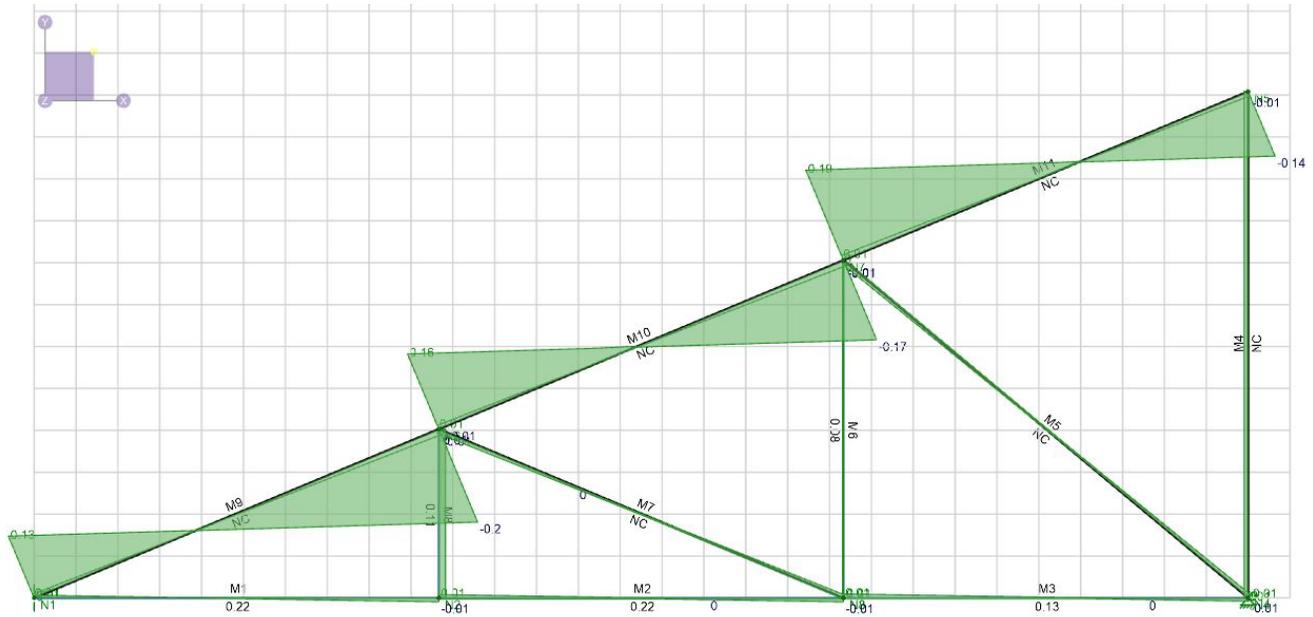


Figure 3: Shear forces

Envelope Node Reactions														
	Nod...		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N1	max	0	9	2.095	9	0	9	0	9	0	9	0	9
2		min	0	1	0.489	1	0	1	0	1	0	1	0	1
3	N4	max	0	9	2.128	9	0	9	0	9	0	9	0	9
4		min	0	1	0.503	2	0	1	0	1	0	1	0	1
5	N6	max	NC		NC		NC		LOCKED		NC		NC	
6		min	NC		NC		NC		LOCKED		NC		NC	
7	Totals:	max	0	9	4.223	9	0	9						
8		min	0	1	1.005	2	0	1						

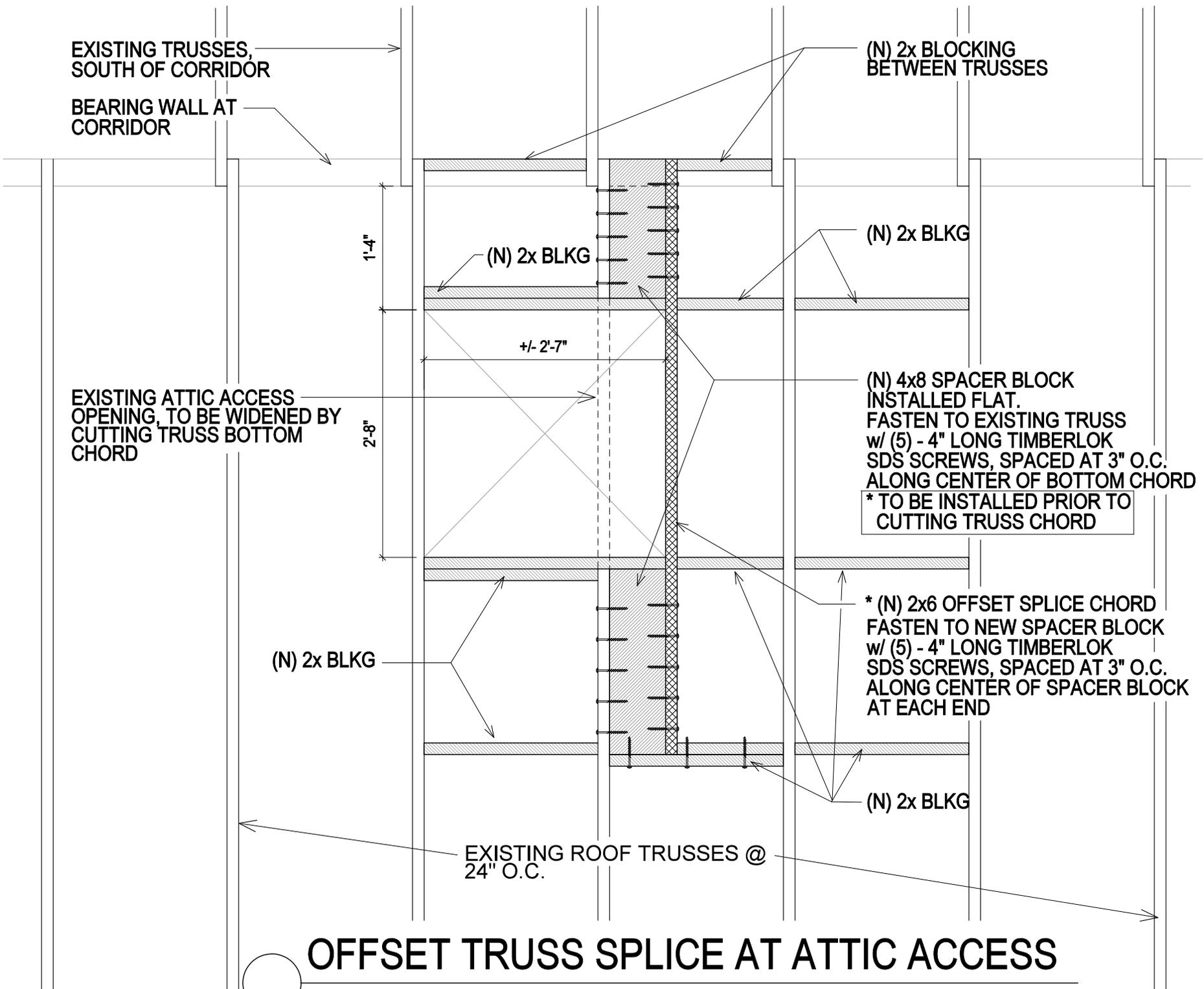
Figure 4: Support Reactions

Envelope Maximum Member Section Forces

Sections	Member	Maximums	End Reactions			2nd/1st Moment Ratios			z Shear[k]			Torque[k-ft]			y-y Moment[k-ft]			z-z Moment[k-ft]		
			Axial[k]	Loc[ft]	LC	y Shear[k]	Loc[ft]	LC	z Shear[k]	Loc[ft]	LC	Torque[k-ft]	Loc[ft]	LC	y-y Moment[k-ft]	Loc[ft]	LC	z-z Moment[k-ft]	Loc[ft]	LC
1	M1	max	-0.874	9.667	1	0.058	0	3	0	9.667	3	0	9.667	3	0	9.667	3	0.16	9.667	1
2		min	-1.758	0	3	-0.09	9.667	1	0	0	1	0	0	1	0	0	1	-0.109	3.726	3
3	M2	max	-0.856	9.666	1	0.074	0	1	0	9.666	3	0	9.666	3	0	9.666	3	0.122	9.666	3
4		min	-1.728	0	3	-0.075	9.666	3	0	0	1	0	0	1	0	0	1	-0.064	4.732	3
5	M3	max	-0.441	9.667	2	0.08	0	1	0	9.667	3	0	9.667	3	0	9.667	3	0.136	0	1
6		min	-0.883	0	3	-0.069	9.667	3	0	0	1	0	0	1	0	0	1	-0.074	5.236	1
7	M4	max	0.221	0	3	0.015	12.083	3	0	12.083	3	0	12.083	3	0	12.083	3	0.076	0	3
8		min	0.07	12.083	1	0.006	0	2	0	0	1	0	0	1	0	0	1	-0.1	12.083	3
9	M5	max	1.133	0	3	0.005	0	3	0	12.584	3	0	12.584	3	0	12.584	3	0.025	12.584	1
10		min	0.556	12.584	1	-0.01	12.584	1	0	0	1	0	0	1	0	0	1	-0.025	2.491	1
11	M6	max	-0.178	8.056	2	0.003	8.056	3	0	8.056	3	0	8.056	3	0	8.056	3	0.02	0	3
12		min	-0.522	0	3	0.002	0	1	0	0	1	0	0	1	0	0	1	-0.006	8.056	3
13	M7	max	0.921	0	3	0.006	0	1	0	10.472	3	0	10.472	3	0	10.472	3	0.021	10.472	3
14		min	0.448	10.472	1	-0.008	10.472	3	0	0	1	0	0	1	0	0	1	-0.009	0	2
15	M8	max	0.003	4.028	2	-0.012	4.028	2	0	4.028	3	0	4.028	3	0	4.028	3	0.048	4.028	3
16		min	-0.169	0	1	-0.03	0	3	0	0	1	0	0	1	0	0	1	-0.072	0	3
17	M9	max	1.981	0	3	0.186	0	3	0	10.473	3	0	10.473	3	0	10.473	3	0.479	10.473	3
18		min	0.88	10.473	2	-0.278	10.473	3	0	0	1	0	0	1	0	0	1	-0.392	4.255	3
19	M10	max	1.046	0	3	0.224	0	3	0	10.472	3	0	10.472	3	0	10.472	3	0.472	10.472	3
20		min	0.41	10.472	2	-0.24	10.472	3	0	0	1	0	0	1	0	0	1	-0.179	5.018	3
21	M11	max	0.128	0	3	0.269	0	3	0	10.472	3	0	10.472	3	0	10.472	3	0.482	0	3
22		min	-0.066	10.472	3	-0.196	10.472	3	0	0	1	0	0	1	0	0	1	-0.331	6.109	3

Figure 5: Member Forces





EXISTING TRUSSES,
SOUTH OF CORRIDOR

BEARING WALL AT
CORRIDOR

(N) 2x BLOCKING
BETWEEN TRUSSES

1'-4"

(N) 2x BLKG

(N) 2x BLKG

+/- 2'-7"

EXISTING ATTIC ACCESS
OPENING, TO BE WIDENED BY
CUTTING TRUSS BOTTOM
CHORD

2'-8"

(N) 4x8 SPACER BLOCK
INSTALLED FLAT.
FASTEN TO EXISTING TRUSS
w/ (5) - 4" LONG TIMBERLOK
SDS SCREWS, SPACED AT 3" O.C.
ALONG CENTER OF BOTTOM CHORD
*** TO BE INSTALLED PRIOR TO
CUTTING TRUSS CHORD**

(N) 2x BLKG

*** (N) 2x6 OFFSET SPLICE CHORD
FASTEN TO NEW SPACER BLOCK
w/ (5) - 4" LONG TIMBERLOK
SDS SCREWS, SPACED AT 3" O.C.
ALONG CENTER OF SPACER BLOCK
AT EACH END**

(N) 2x BLKG

EXISTING ROOF TRUSSES @
24" O.C.

OFFSET TRUSS SPLICE AT ATTIC ACCESS



SCALE: 3/4" = 12"

EXISTING ROOF TRUSSES @
24" O.C., TRUSS TOP CHORD
TO BE REMOVED FOR
OPENING

(N) DBL. 2x6 AT OPENING,
PROVIDE U26-2 TO TOP CHORD
AND U26 HANGER AT EXISTING
CUT TOP CHORD

NEW ROOF ACCESS OPENING,
BY CUTTING TRUSS TOP
CHORD

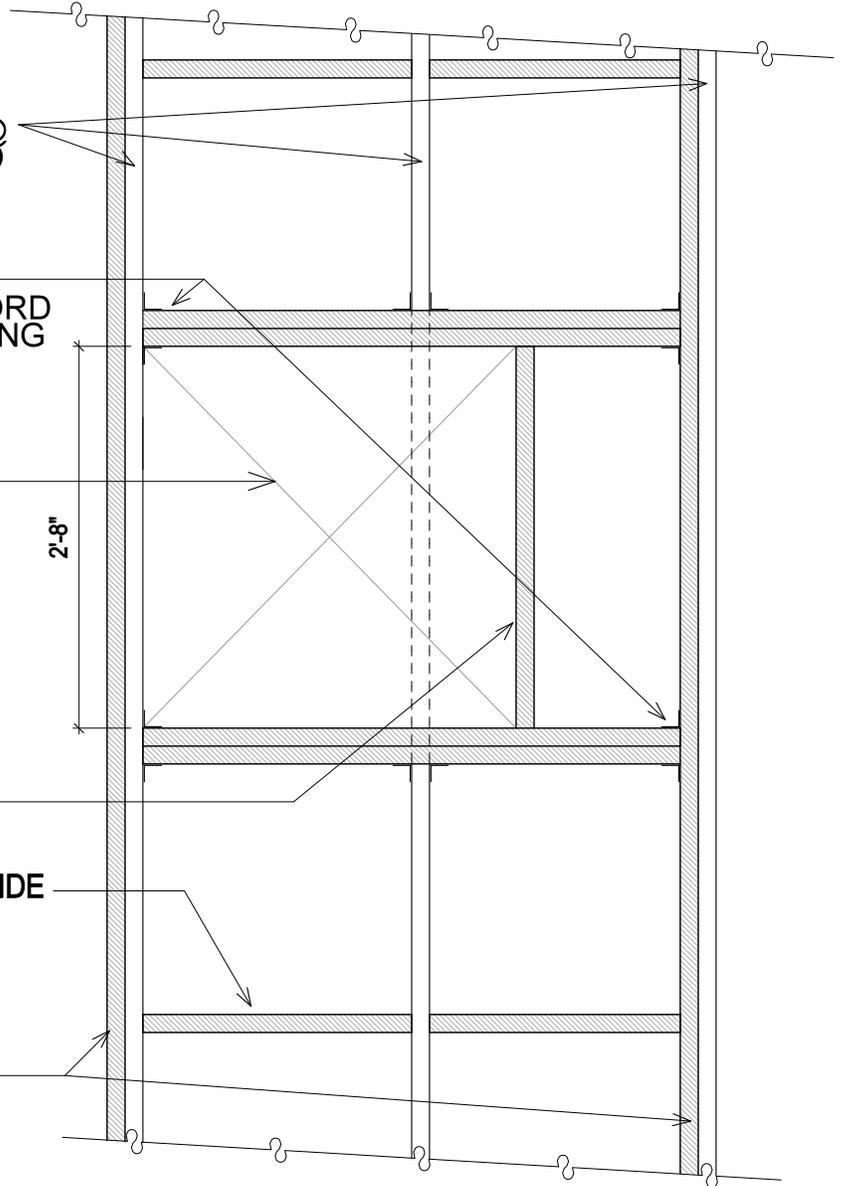
2'-8"

(N) 2x BLOCKING

(N) 2x BLOCKING, 24" ON EACH SIDE
ON EACH SIDE OF OPENING

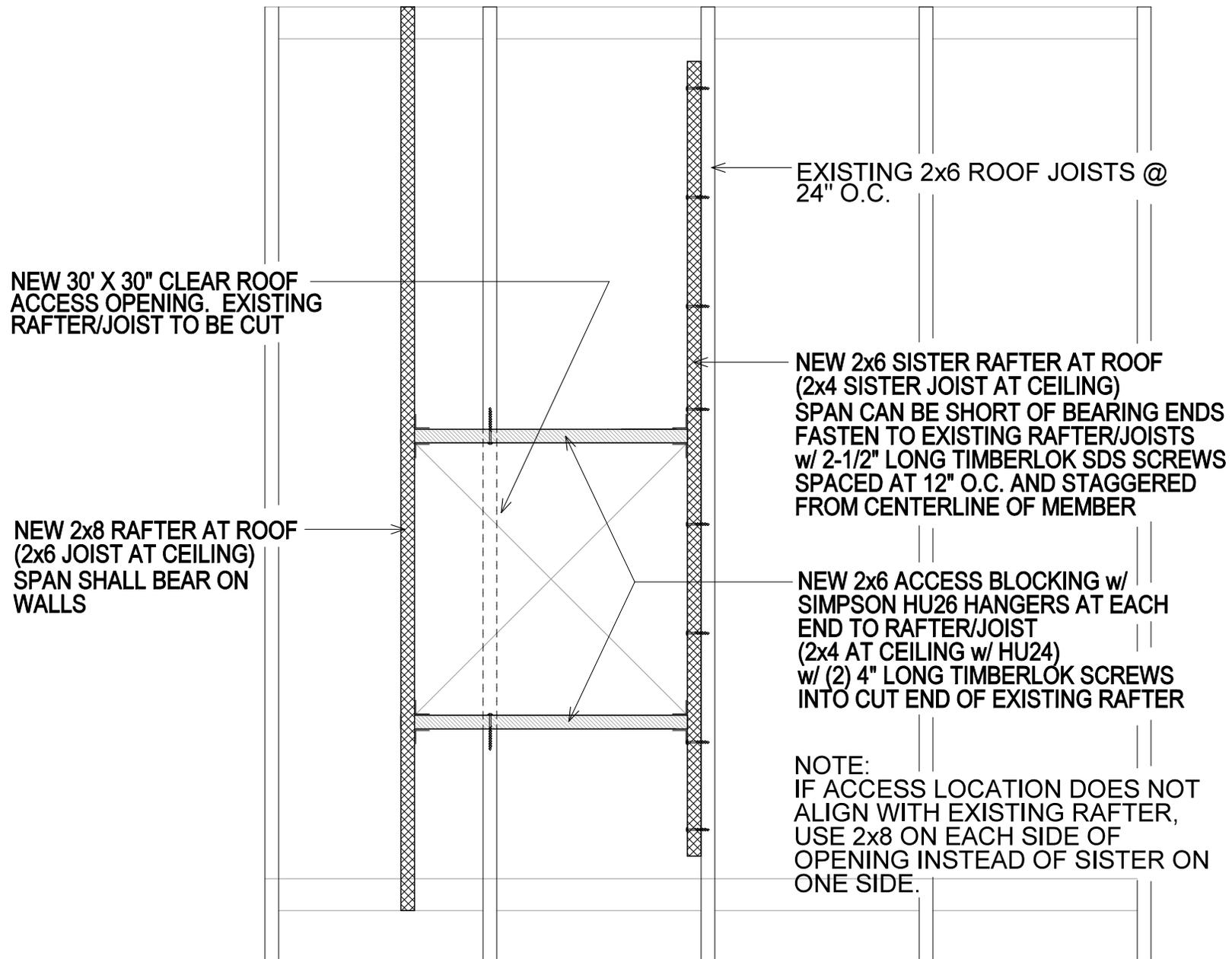
NEW 1.5" X 5.5" LVL 1.3 RAFTER
SISTERED TO TOP CHORD w/
2-1/2" SDS SCREWS @ 12" O.C.,
LENGTH TO EXTEND WITHIN 36"
OF EACH END OF T.C.

* TO BE INSTALLED PRIOR TO
CUTTING TRUSS CHORD



FRAMING AT ROOF OPENING

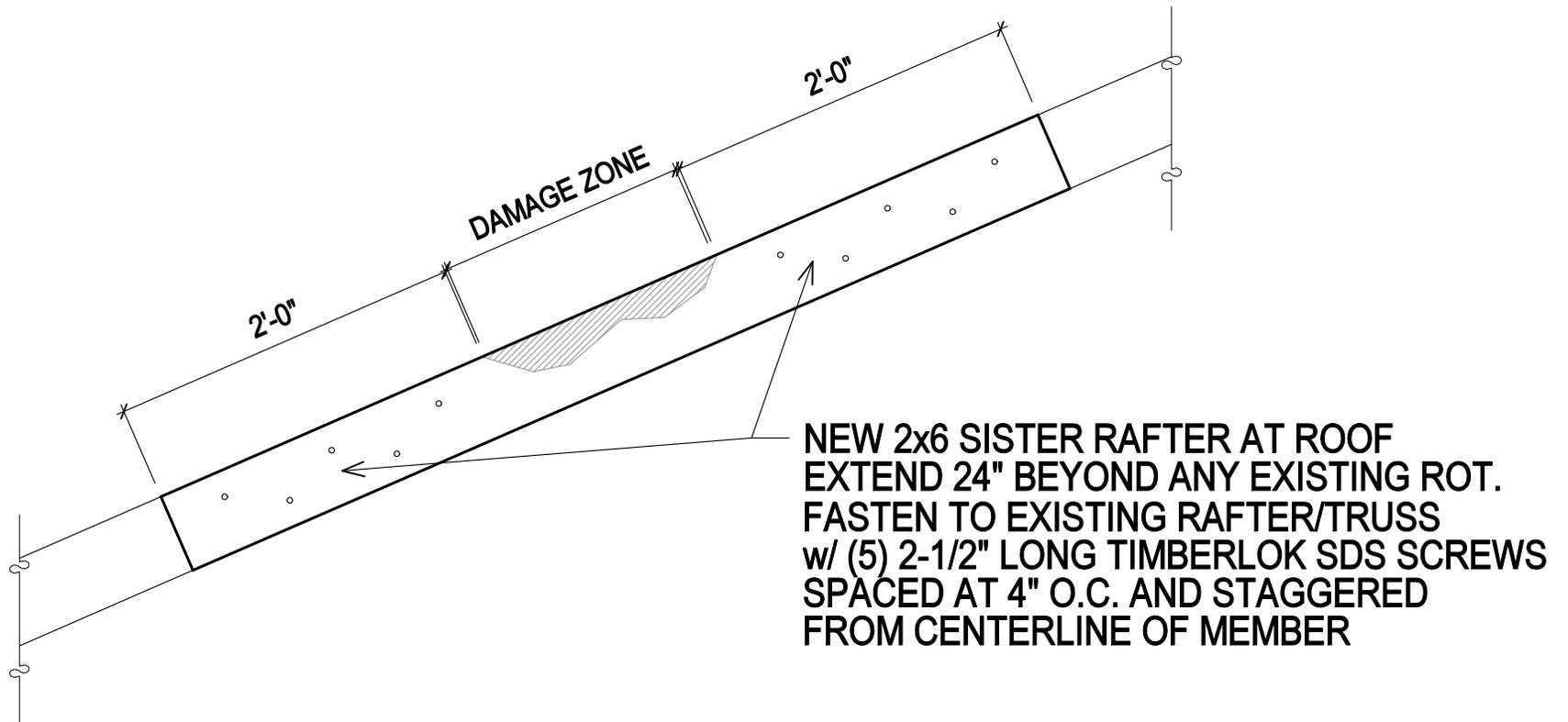
SCALE: 3/4" = 12"



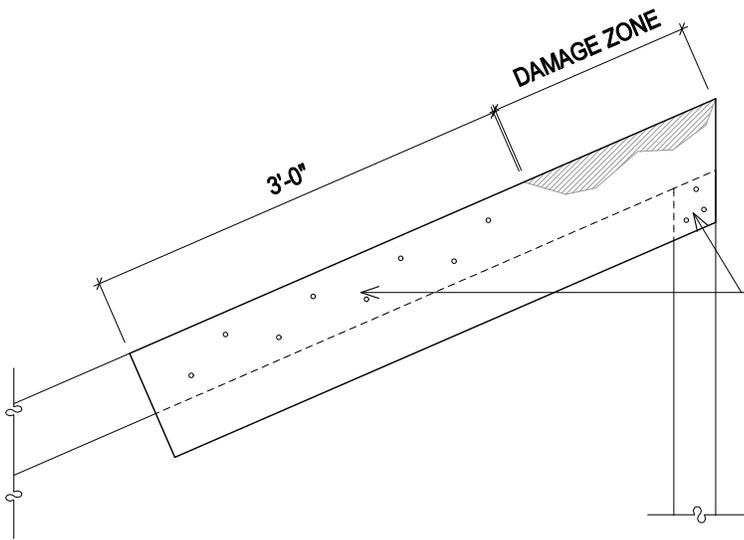
OPENING AT ROOF ACCESS



SCALE: 3/4" = 12"



ROOF RAFTER REPAIR



NEW 2x6=10 SISTER RAFTER AT ROOF
 EXTEND 36" BEYOND ANY EXISTING ROT.
 FASTEN TO EXISTING RAFTER/TRUSS
 w/ (8) 2-1/2" LONG TIMBERLOK SDS SCREWS
 SPACED AT 4" O.C. AND STAGGERED
 FROM CENTERLINE OF MEMBER
 FASTEN TO EXISTING VERT. WEB
 w/ (3) 2-1/2" LONG TIMBERLOK SDS SCREWS



ROOF REPAIR AT UPPER TRUSS

SCALE: 3/4" = 12"