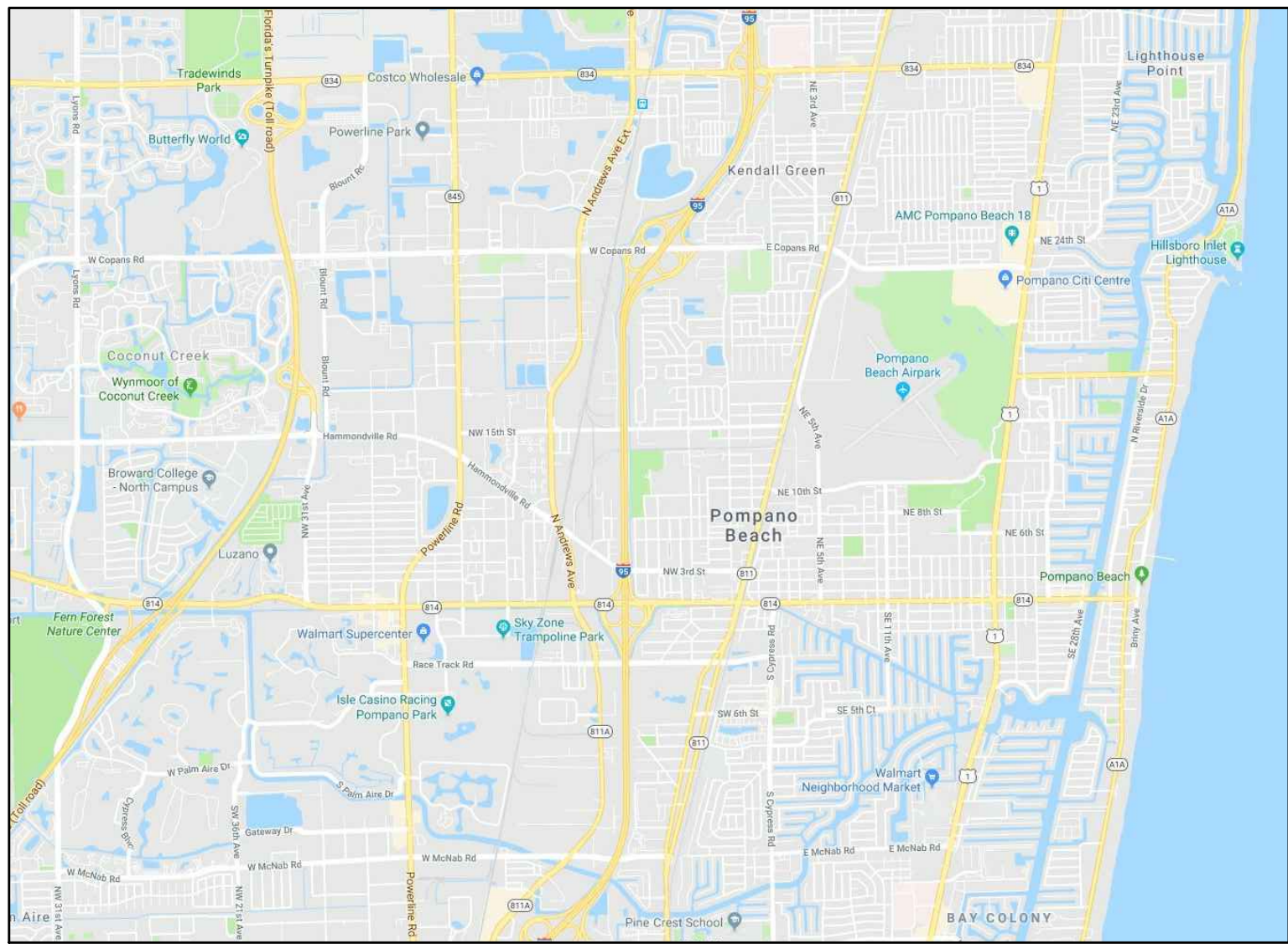




LIFEGUARD TOWER

CITY OF POMPANO BEACH

100 WEST ATLANTIC BLVD,
POMPANO BEACH, FLORIDA 33060



LOCATION MAP
NO SCALE



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(954) 941-3329
FAX (954) 943-7708

BLAISE MCGINLEY
ARCHITECT ARCH3521

NEW CONSTRUCTION
POMPANO BEACH
LIFEGUARD TOWER
CITY OF POMPANO BEACH, FLORIDA

DATE
2018-04-18

CONSTRUCTION
DOCUMENTS

PROJECT NO.
17025

BY	REVISIONS	DATE

SHEET NO.
CS
PRINTED: 4/18/2018 5:40 PM
COVER SHEET

GRAPHIC SYMBOLS

- REVISION TAG
- COLUMN REFERENCE GRIDS TAG
- BLOCKING NUMBER
- ELEVATION MARK
- SPOT ELEVATION
- DIMENSION SYMBOL
- DIMENSION TO DIMENSION LINE
- DIMENSION TO FACE OF FRAMING UNLESS NOTED OTHERWISE
- CONTROL LINES - COMMON REFERENCE LINES FOR ARCHITECTURAL, STRUCTURAL AND ENGINEERING DIMENSIONS
- CENTERLINE
- PROPERTY LINE
- DETAIL NUMBER
- SECTION TAG
- SHEET NUMBER
- ELEVATION TAG
- DETAIL CALLOUT TAG
- DINING
- ROOM/SPACE NUMBER
- DOOR NUMBER
- WINDOW TAG
- NEW OR REQUIRED SPOT ELEVATION
- FINISH MATERIAL
- REVISION

OWNER

DESIGNERS OF RECORD

ARCHITECT
DK Architects/Planners, Inc.
24 NE. 24 Avenue
Pompano Beach, Florida 33062
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BLAISE MCGINLEY ARCHITECT AR35521

STRUCTURAL ENGINEER
SPECIALTY ENGINEERING CONSULTANTS, INC.
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BOYNTON BEACH, FL 33426
(561) 752-5440
GARY MCDUGGLE, PE FL #56214
D. MARK LeBLANC, PE FL #35603
D. ADAM LeBLANC, PE FL #11012

INDEX OF DRAWINGS

- CS COVER SHEET
- A1 BASE / FLOOR / ROOF PLANS
- A2 EXTERIOR ELEVATIONS AND SCHEDULES
- A3 BUILDING SECTIONS
- A4 SECTIONS AND DETAILS
- A5 SECTIONS AND DETAILS
- S1 BASE FRAMING PLAN AND DETAILS
- S2 BASE ELEVATIONS
- S3 SECTIONS AND DETAILS
- S4 DECK AND ROOF FRAMING PLANS
- S5 SECTIONS AND DETAILS
- LPI LIGHTING PROTECTION

PROJECT DESCRIPTION

NEW CONSTRUCTION - PORTABLE STRUCTURE

SYMBOL ABBREVIATIONS

- AND
- ANGLE
- AT/SPACING
- B/ BOTTOM OF
- BM BENCH MARK
- C CENTERLINE
- PROPERTY LINE
- DIAMETER
- SQUARE
- TOP OF
- WITH

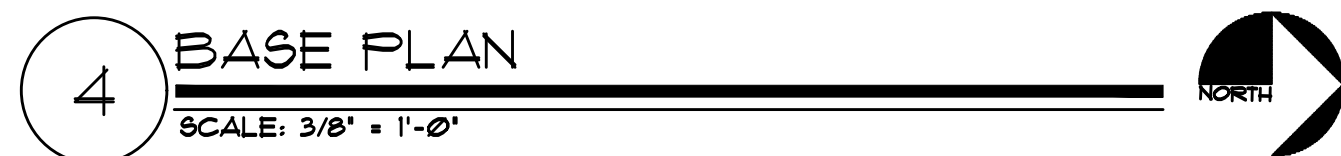
GENERAL NOTES

1. THE WRITTEN DIMENSIONS PREVAIL ON THE CONSTRUCTION DOCUMENTS. DO NOT SCALE THESE DRAWINGS. CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. IF ANY DISCREPANCY OCCURS, THE CONTRACTOR IS REQUIRED TO NOTIFY THE ARCHITECT IN WRITING BEFORE PROCEEDING WITH ANY WORK AFFECTED BY THE DISCREPANCY.

CODE ANALYSIS



17025 POMPANO BEACH LIFEGUARD TOWER DWG17025-01 CS - Cover Sheet

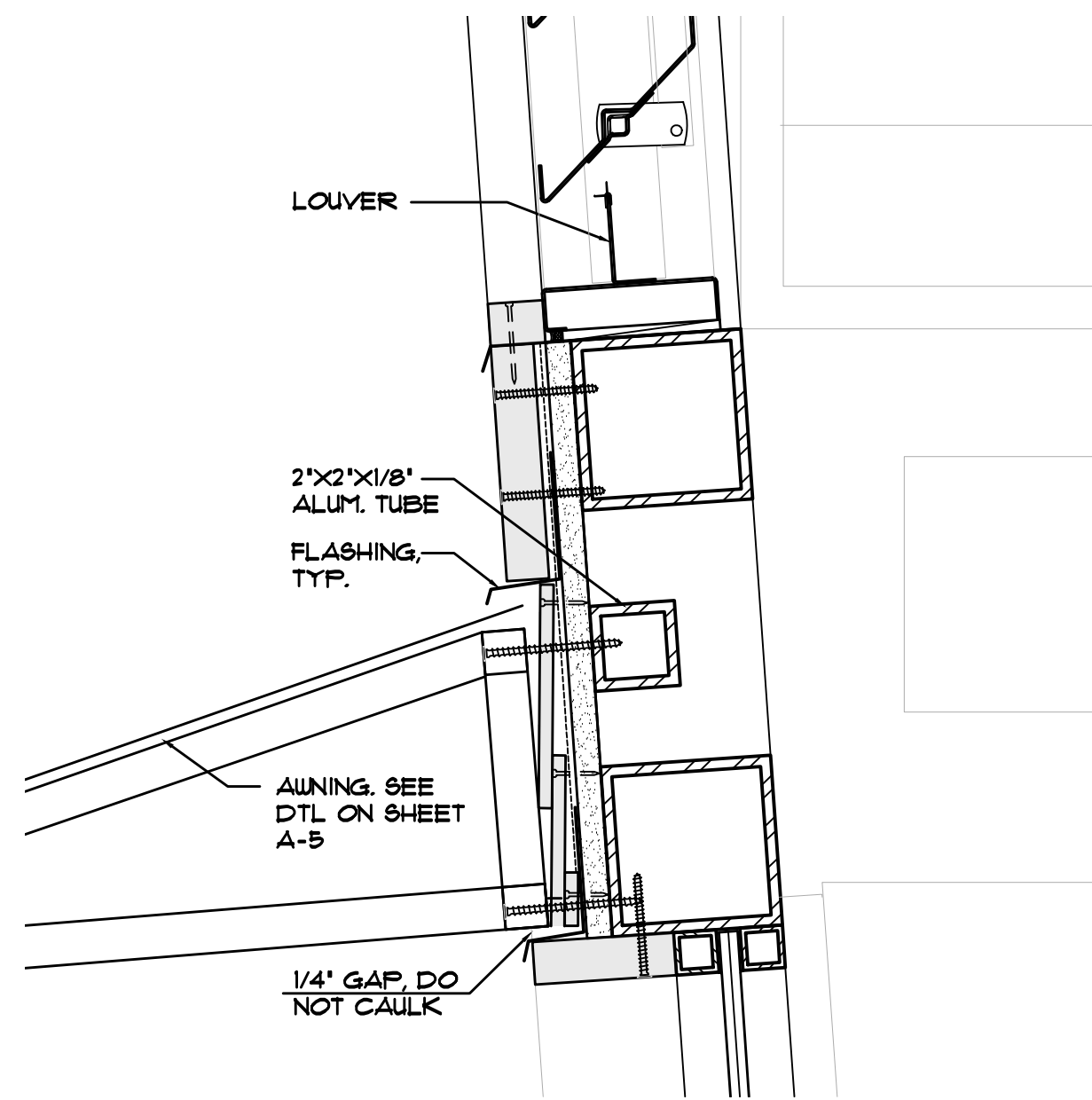


BLAISE MCGINLEY

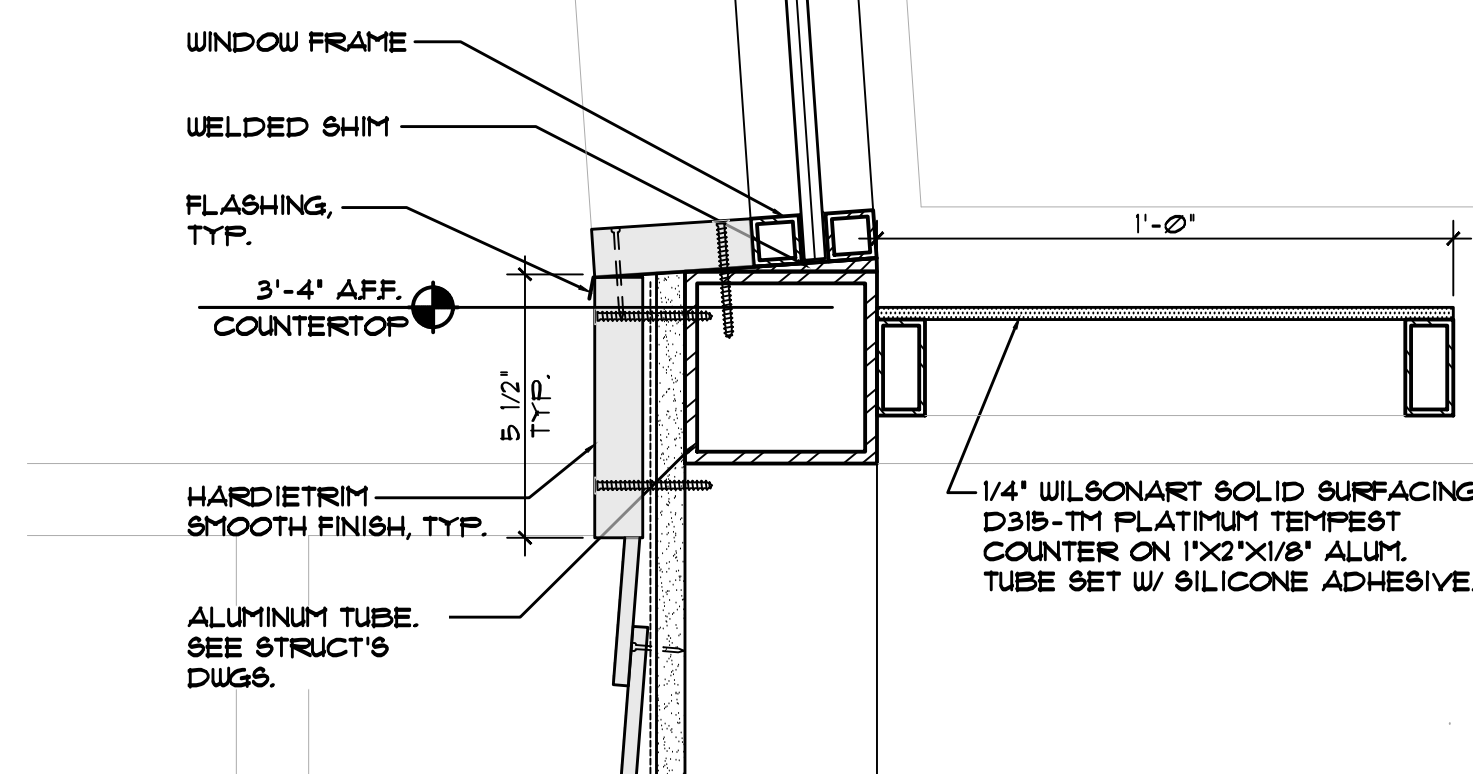
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FLOOR PLAN

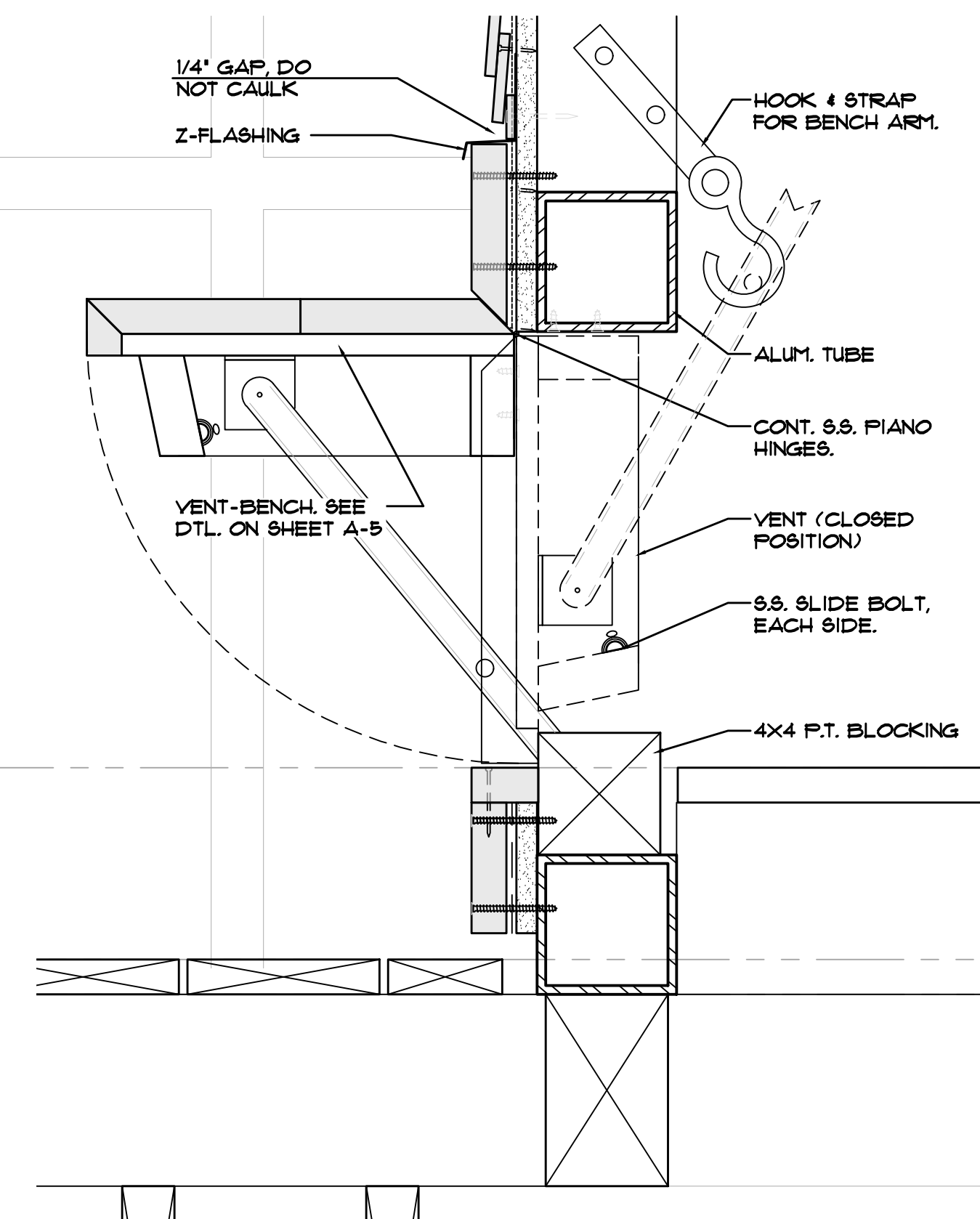
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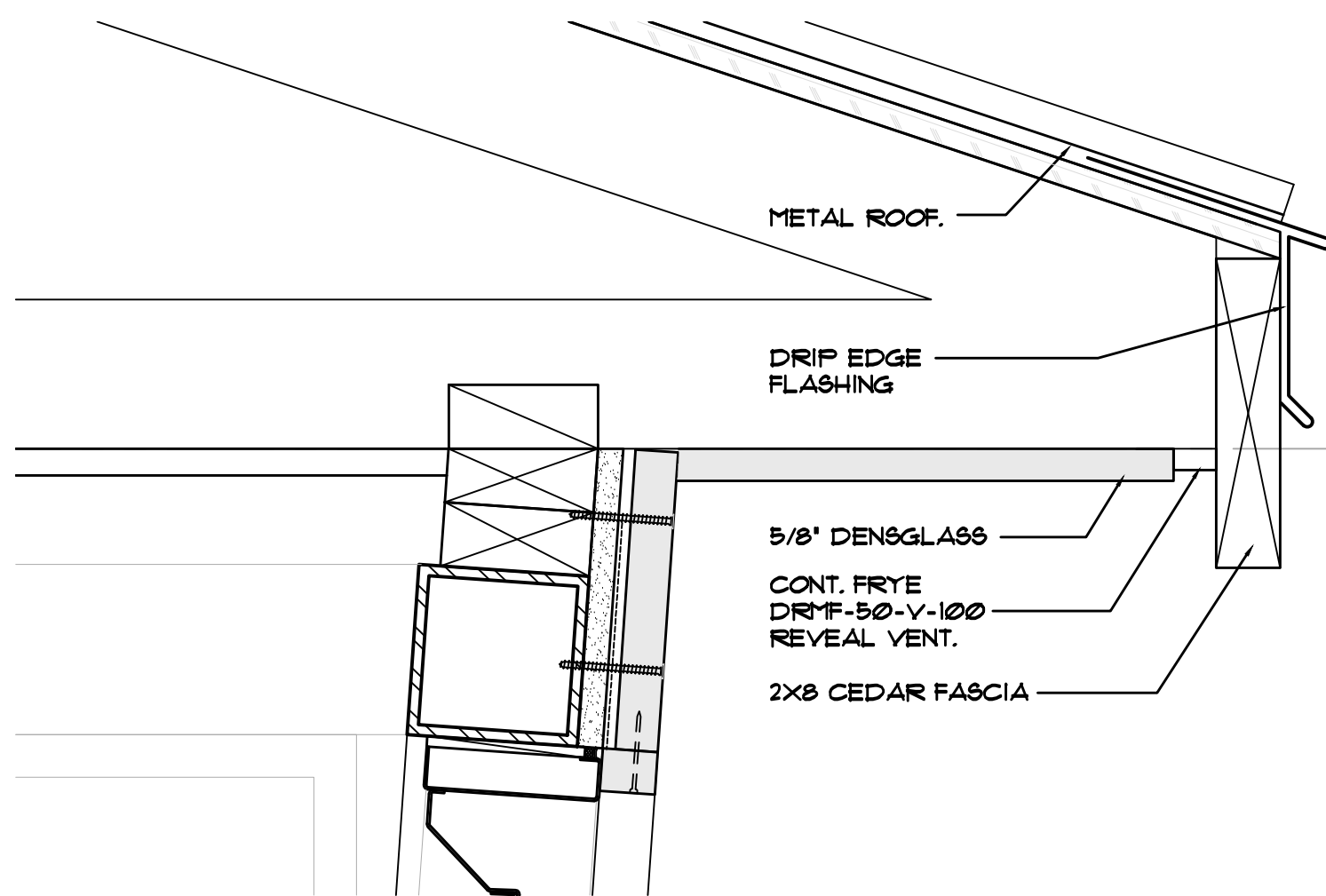
1 WINDOW SHUTTER DETAIL
SCALE: 3" = 1'-0"



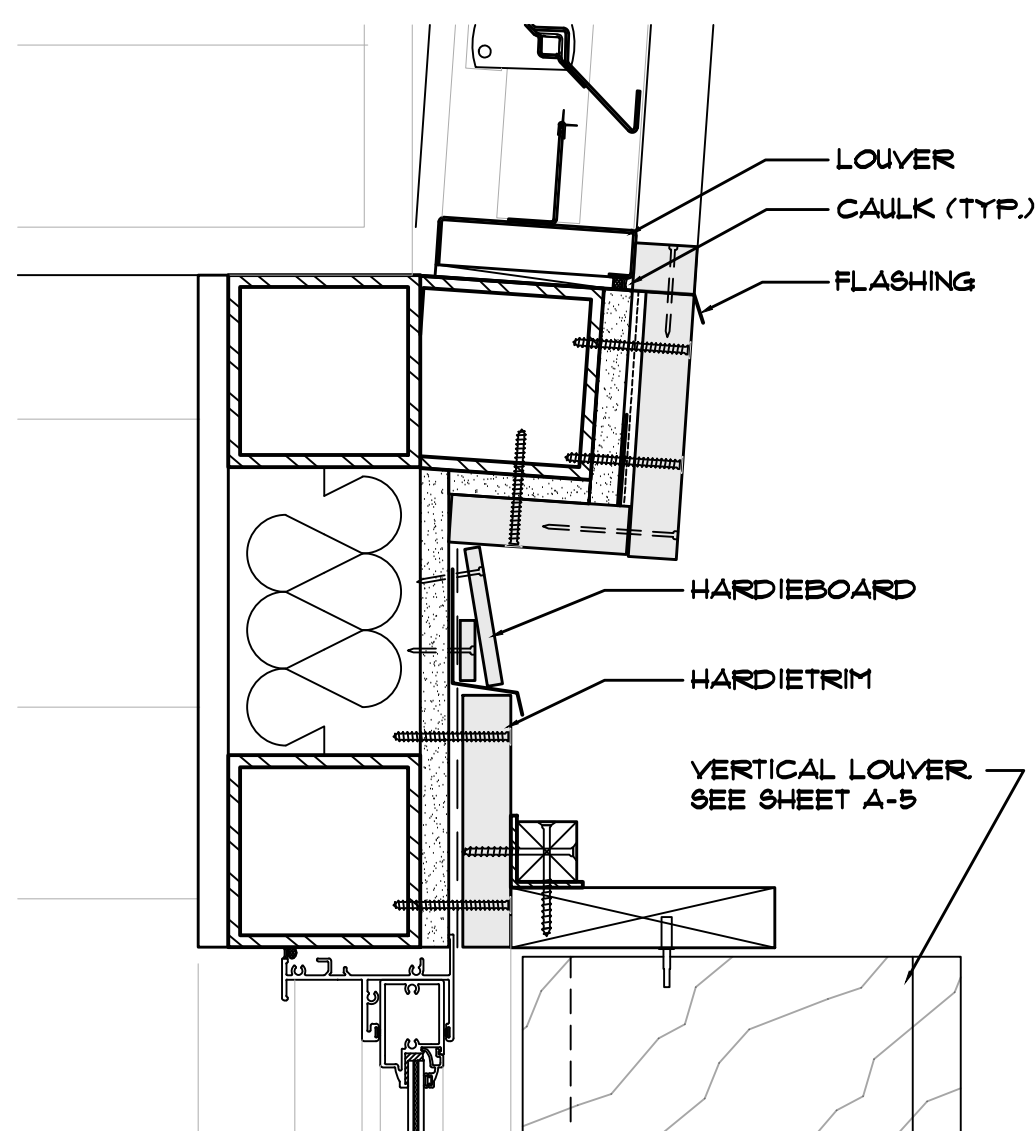
2 COUNTER DETAIL
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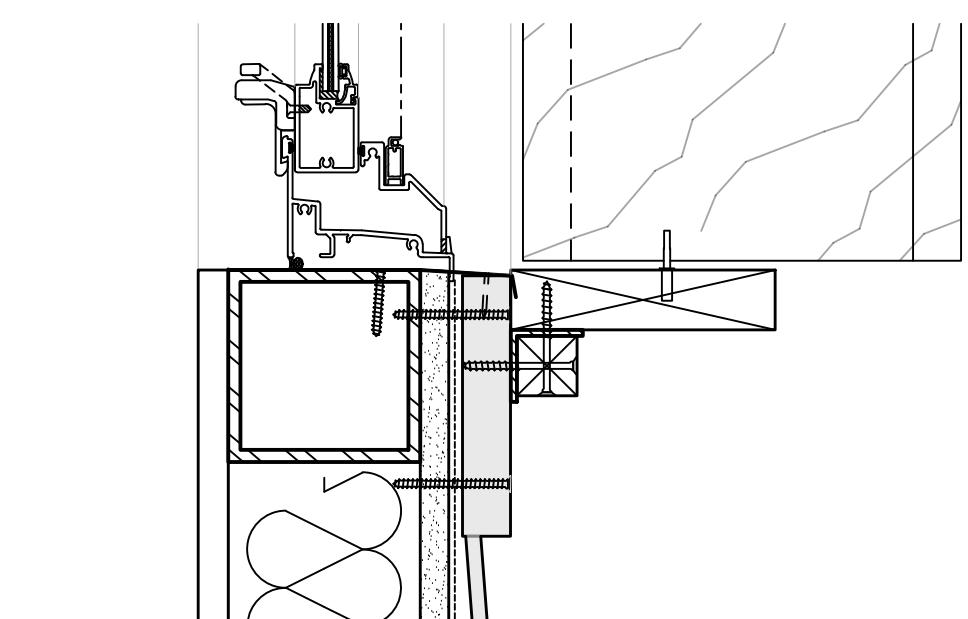
3 BENCH-VENT DETAIL
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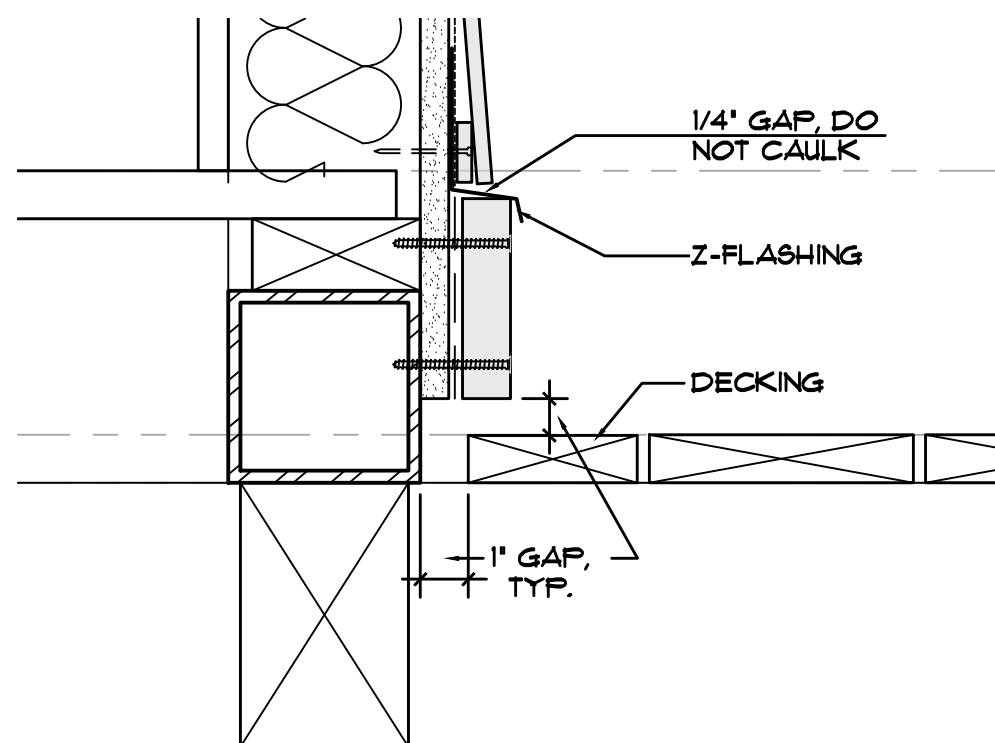
6 ROOF SOFFIT/FASCIA DETAIL
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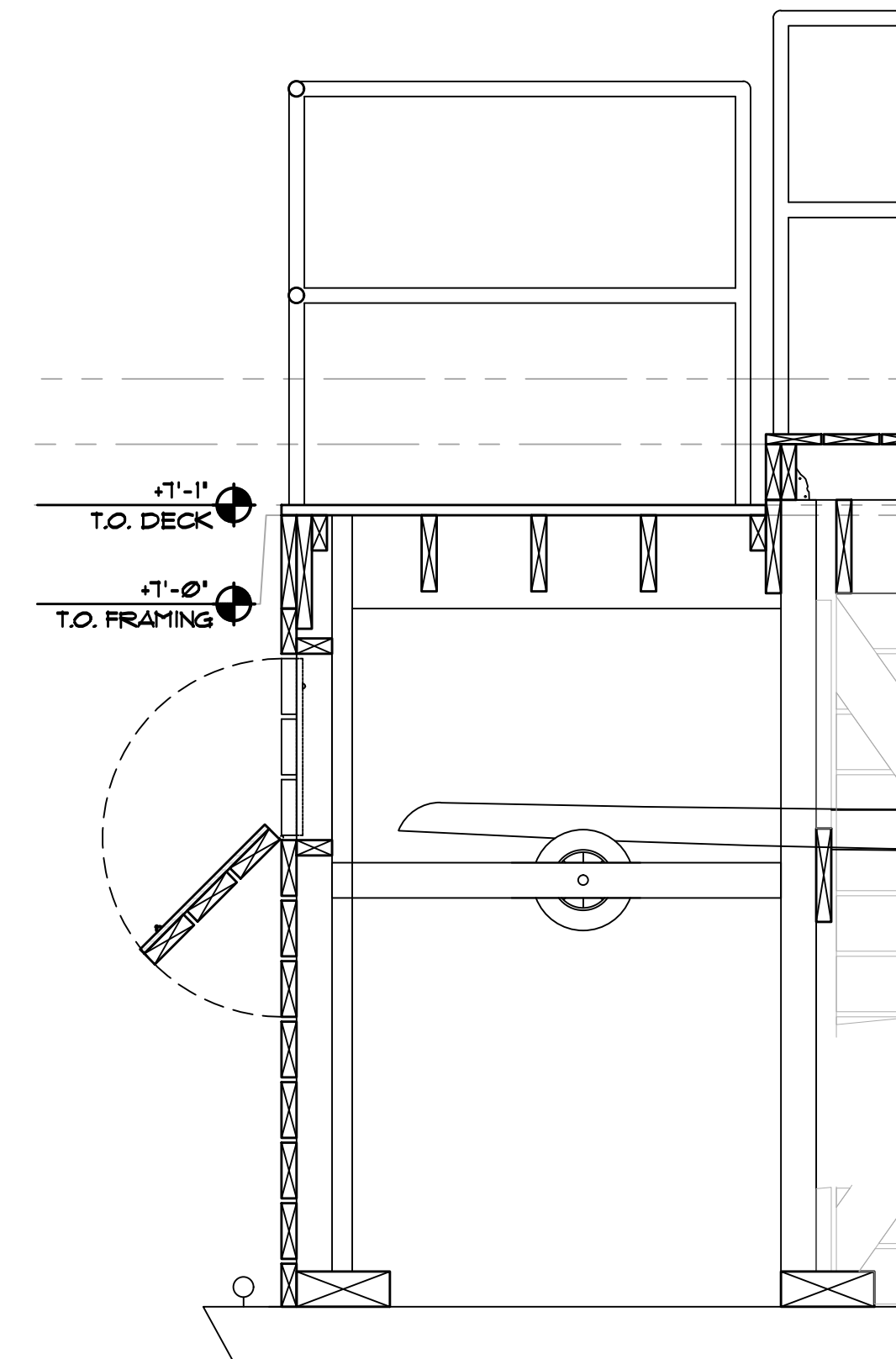
7 WNDW HDR / LOUVER SILL DTL
SCALE: 3" = 1'-0"



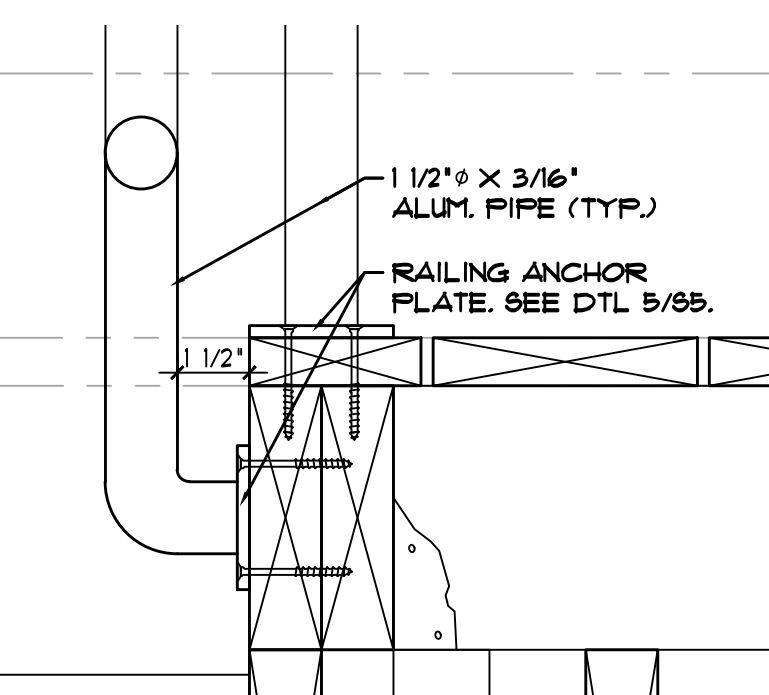
8 WINDOW SILL DETAIL
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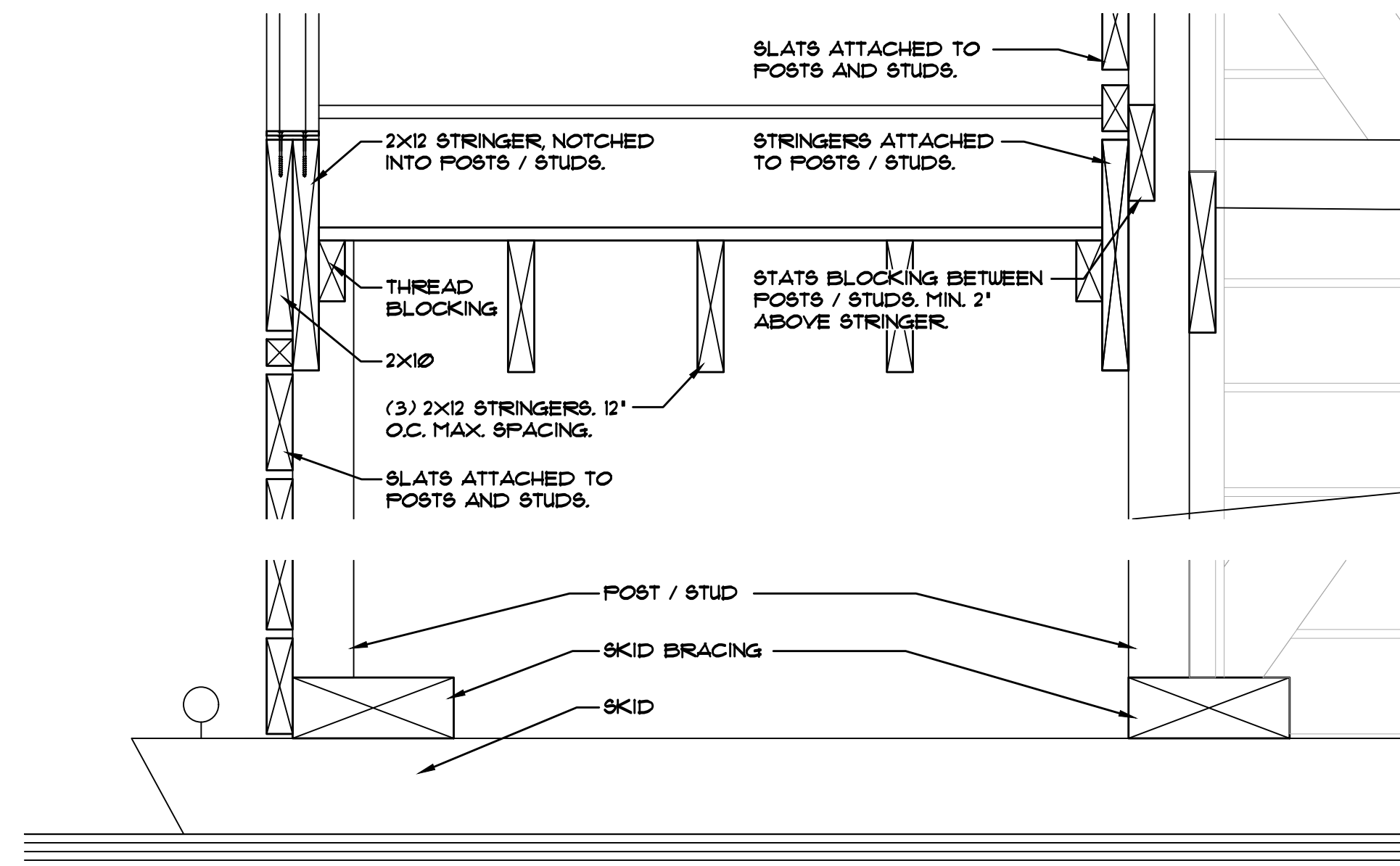
9 CABIN WALL / DECK DTL
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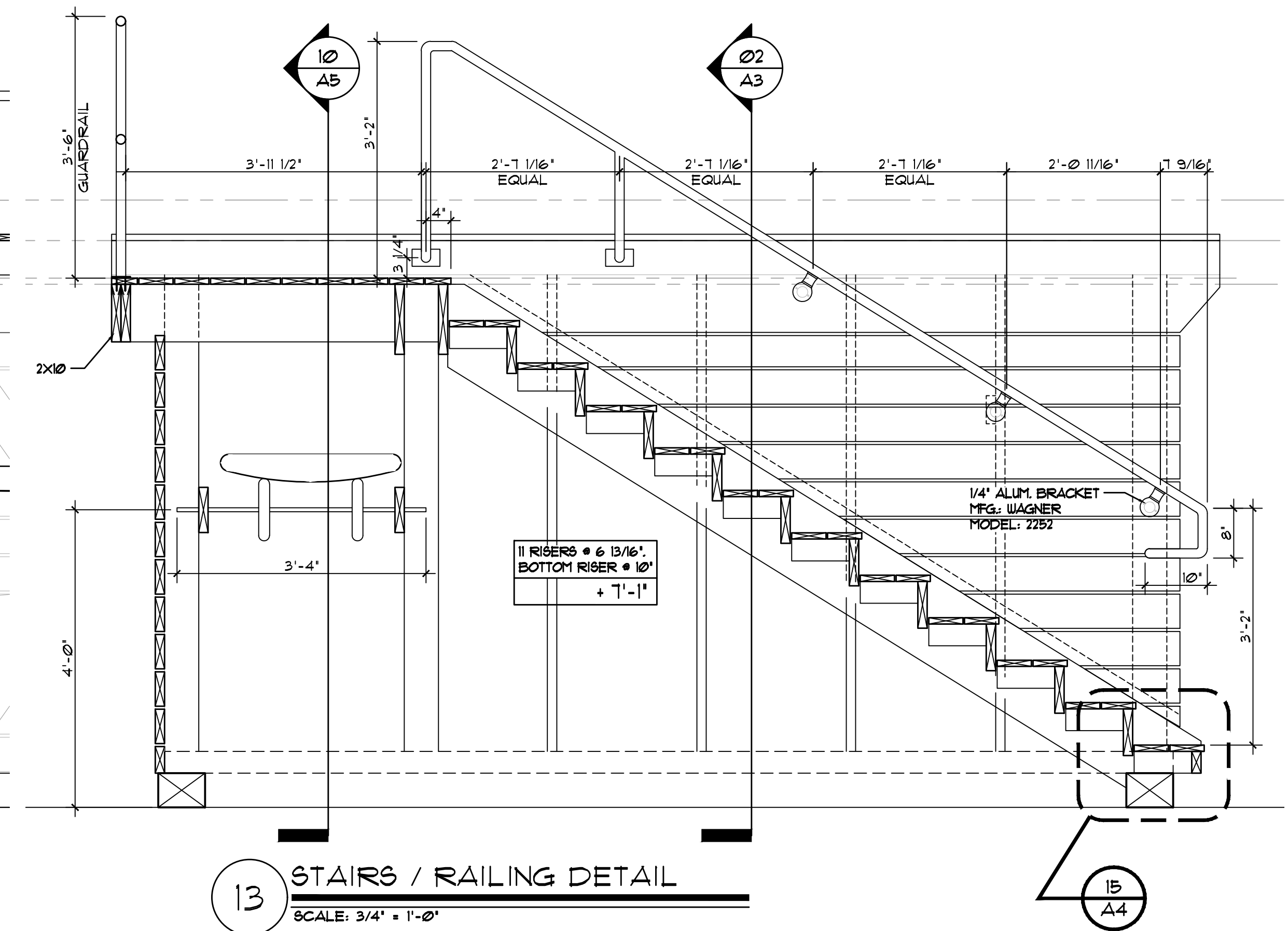
10 LANDING SECTION
SCALE: 3/4" = 1'-0"



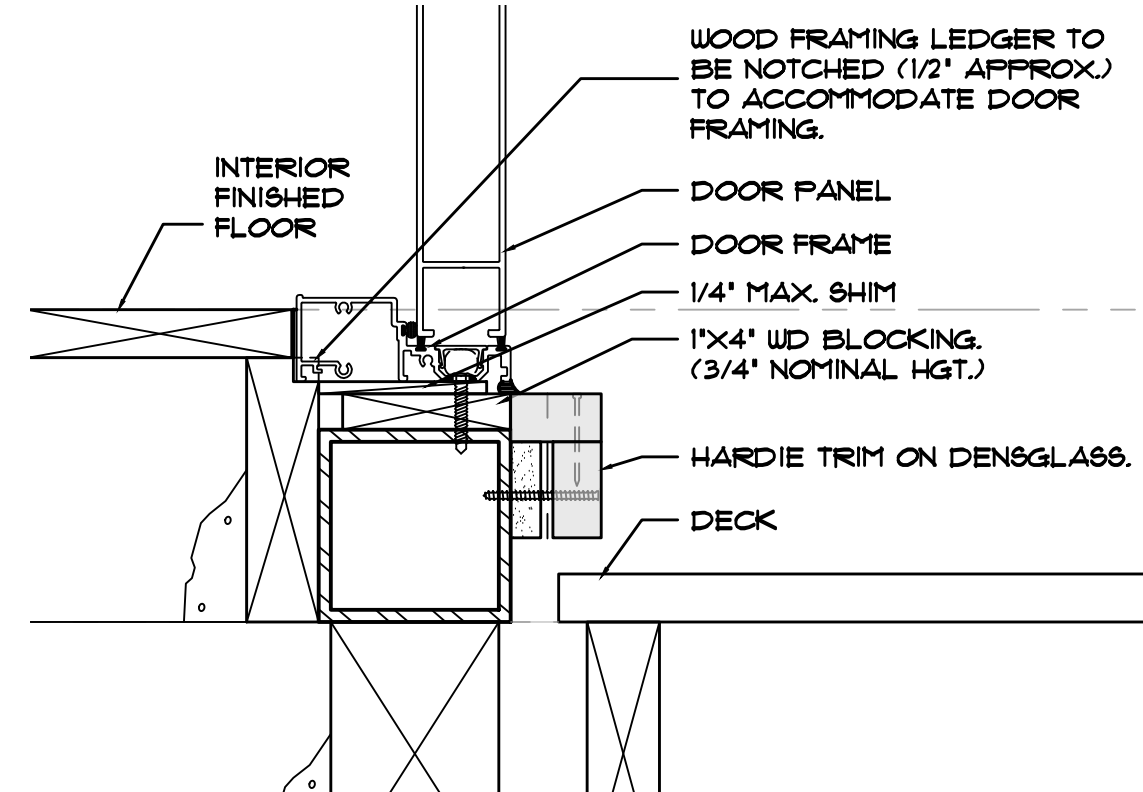
11 RAILING PLATE
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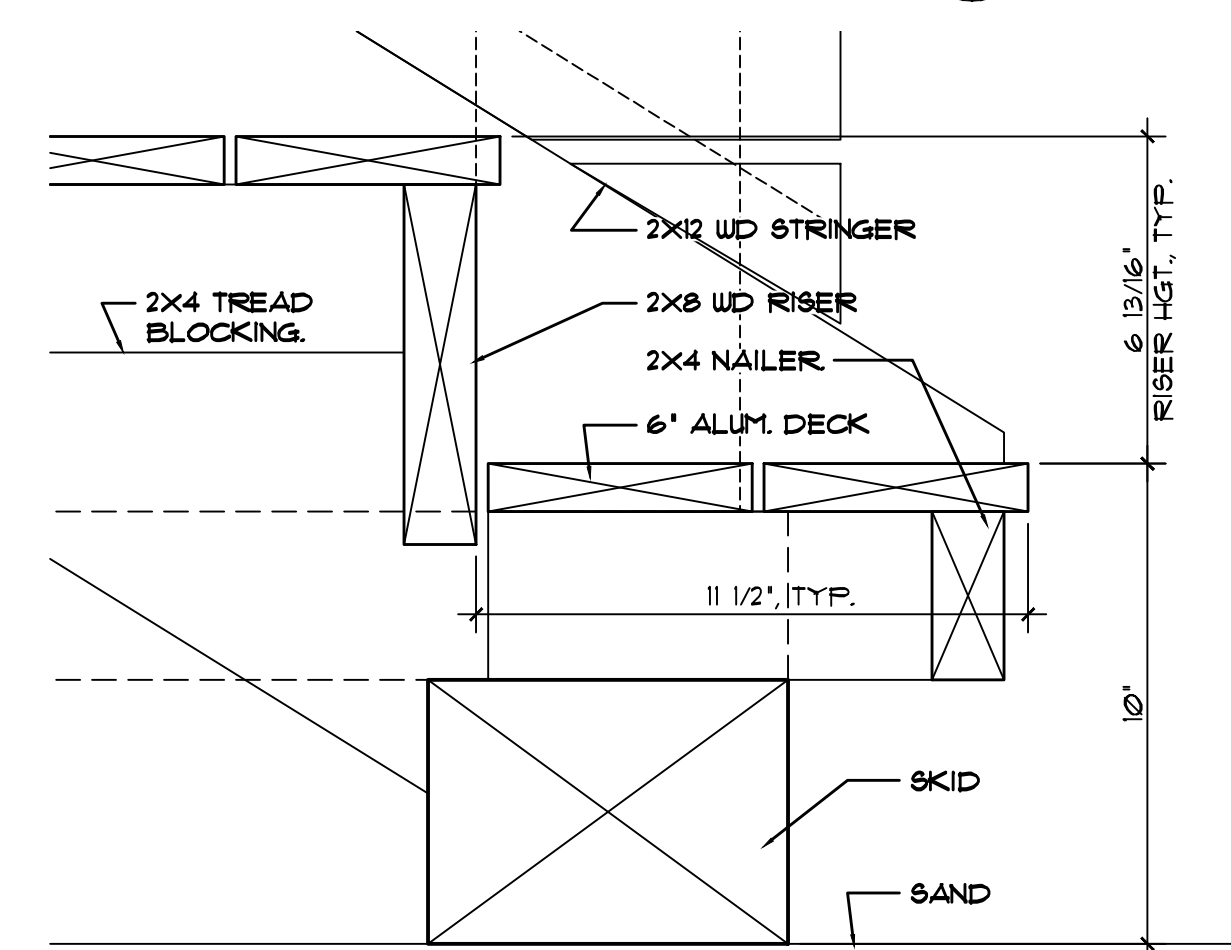
12 STAIR SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



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



14 DOOR THRESHOLD SECT.
SCALE: 3" = 1'-0"



15 THREAD / RISER DETAIL
SCALE: 3" = 1'-0"

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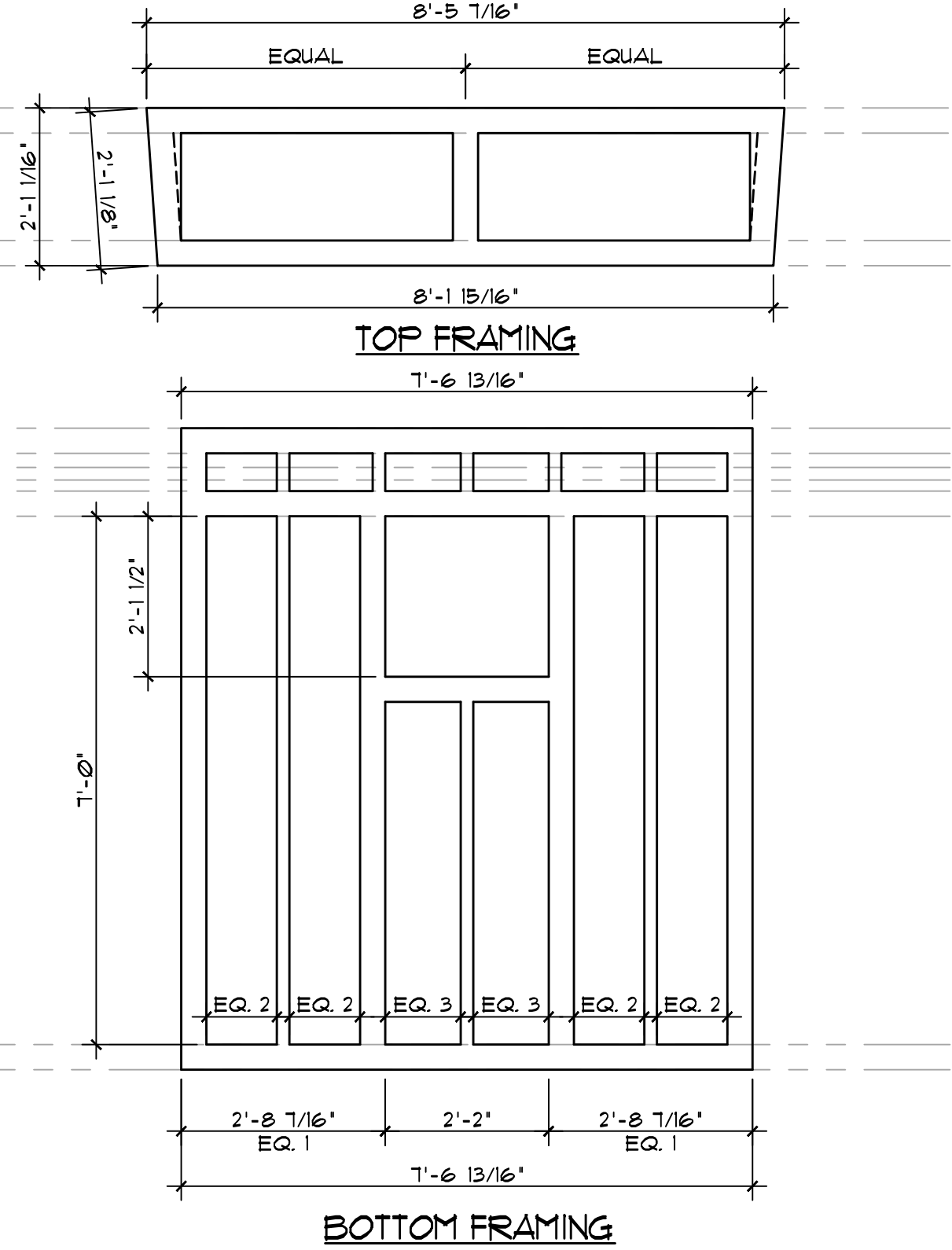
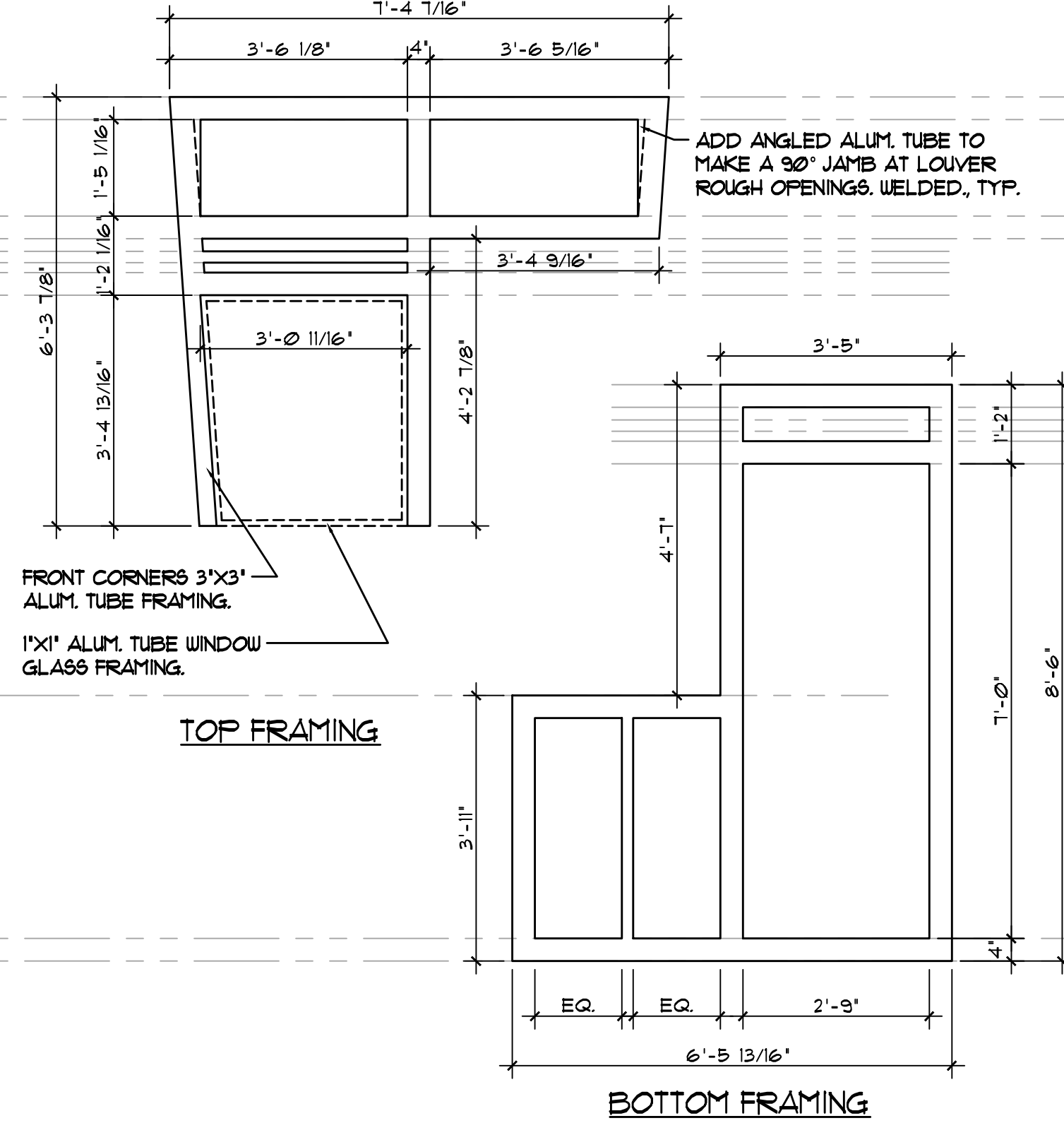
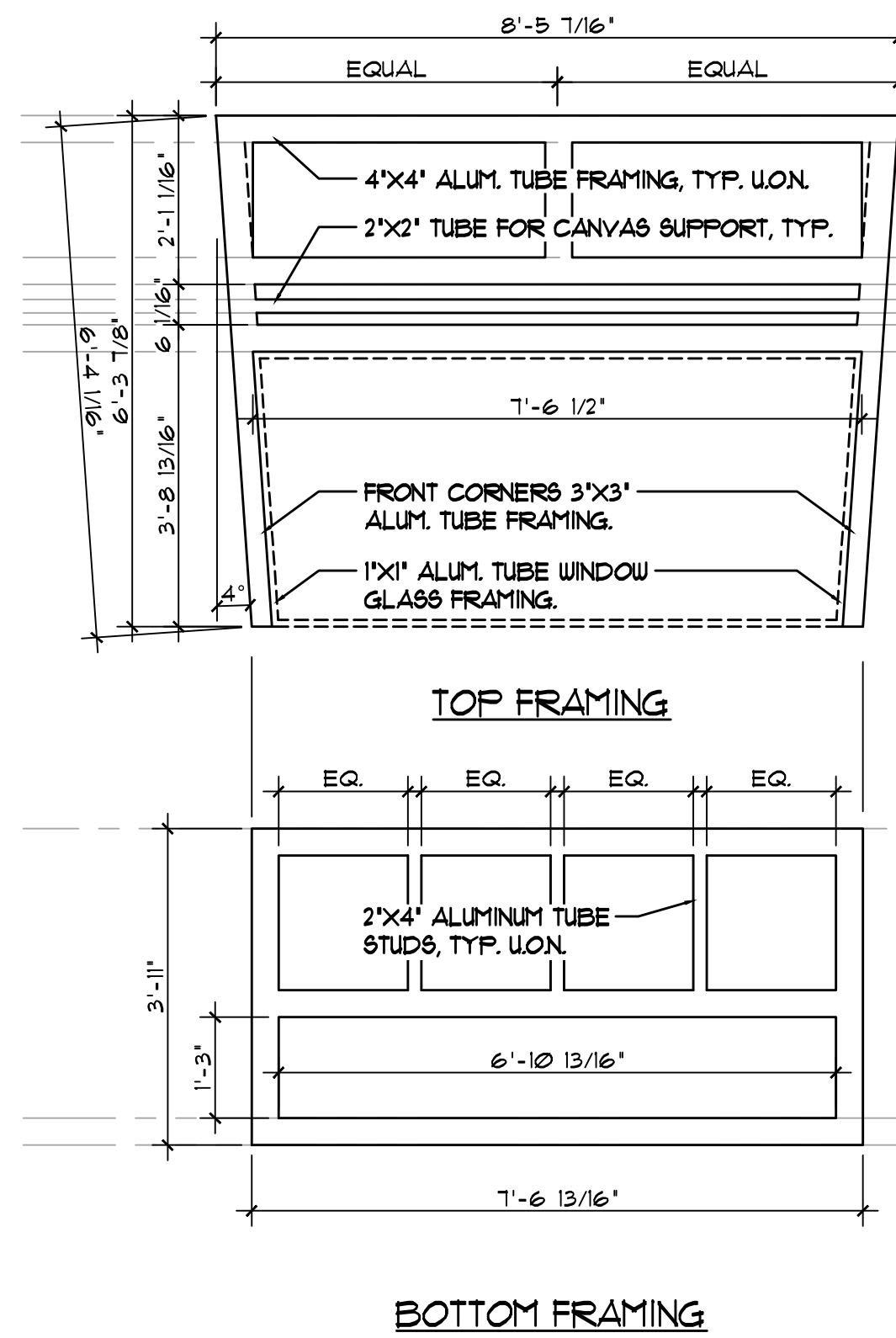
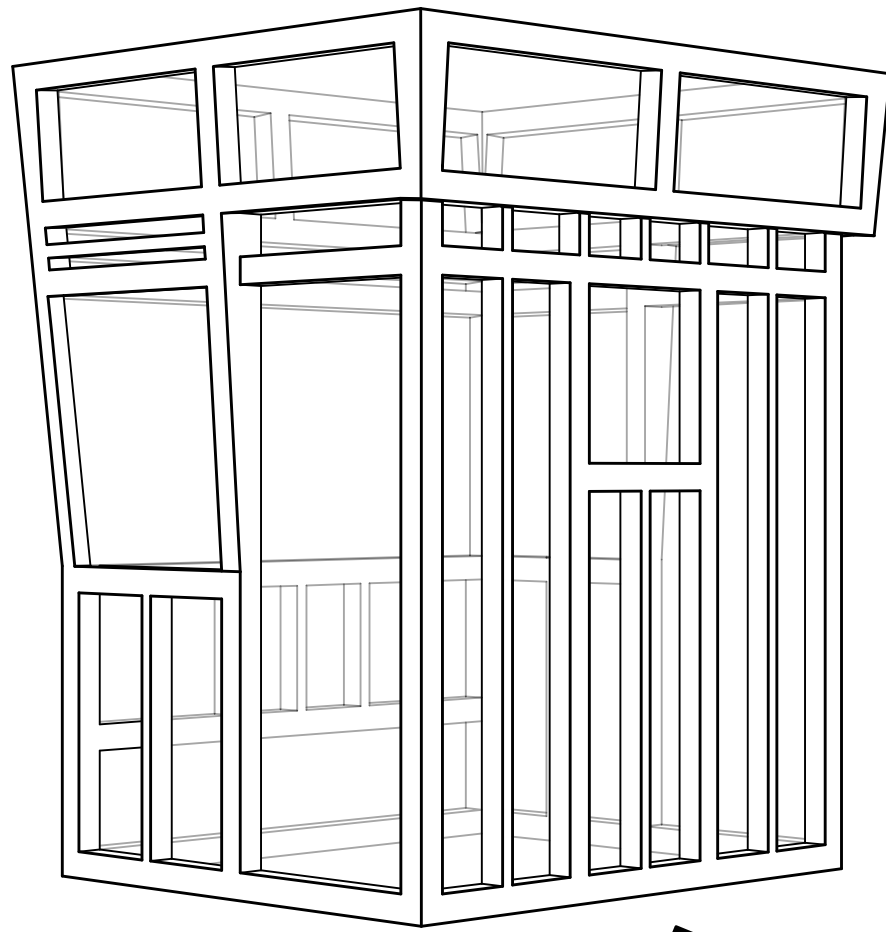
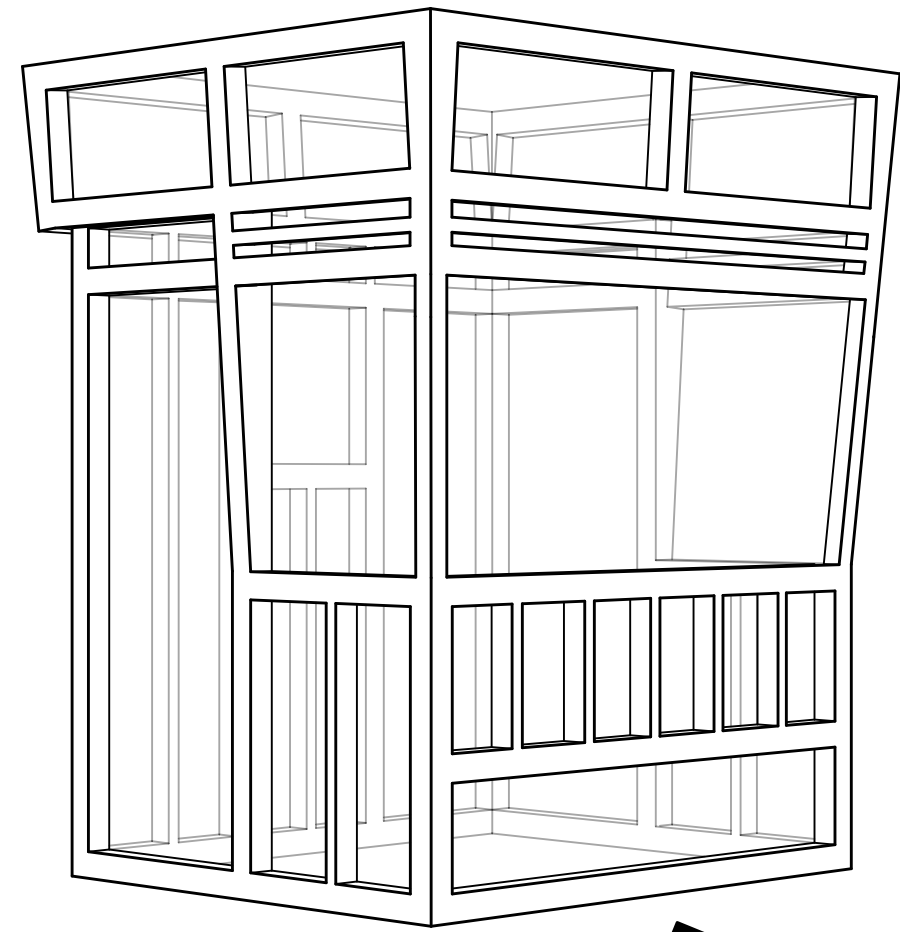
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architects / planners, inc.
MEMBER: AMERICAN INSTITUTE OF ARCHITECTS - AIA 0000564
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BLAISE MCGINLEY
ARCHITECT AIA05521

NEW CONSTRUCTION
POMPANO BEACH
LIFEGUARD TOWER
CITY OF POMPANO BEACH, FLORIDA

DATE		2018-04-18
CONSTRUCTION DOCUMENTS		
PROJECT NO.		17025
BY	REVISIONS	DATE

SHEET NO.
A4
PRINTED: 4/18/2018 5:41 PM
DETAILS

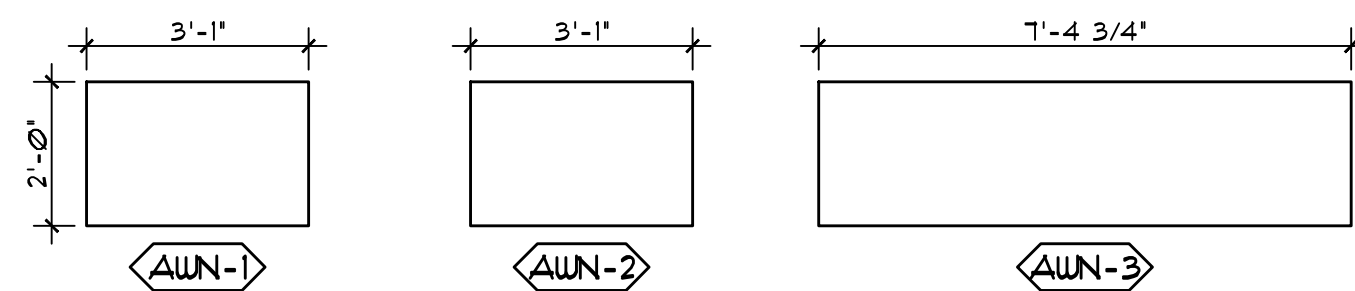
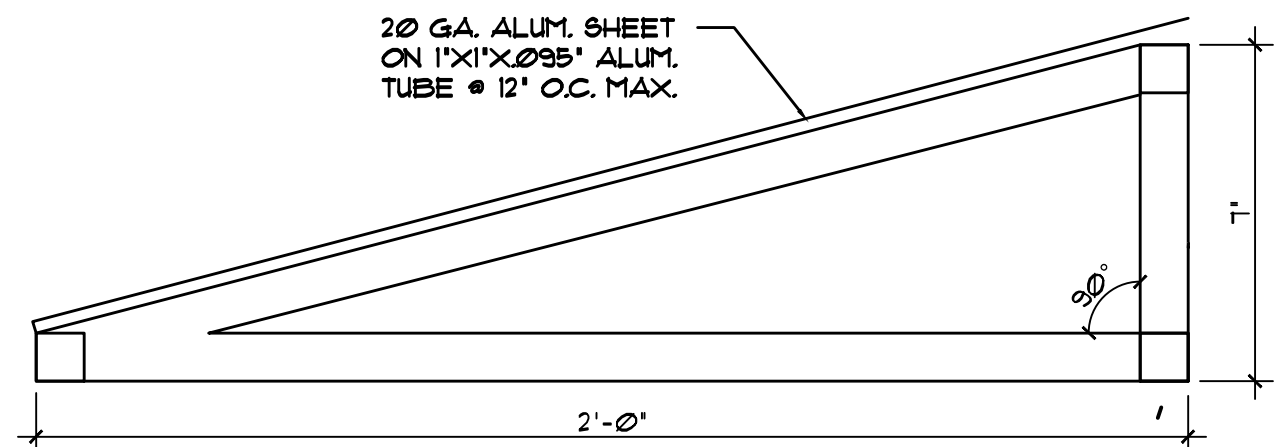


4 ALUM. CABIN STRUCT. FRONT ELEV.
SCALE: 1/2" = 1'-0"

5 ALUM. CABIN STRUCT. SIDE ELEVS.
SCALE: 1/2" = 1'-0"

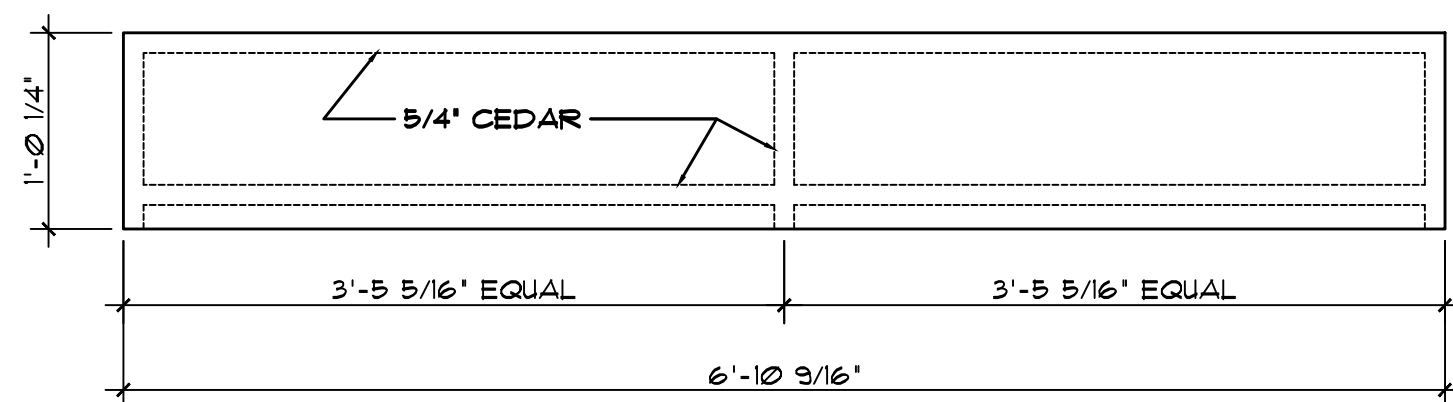
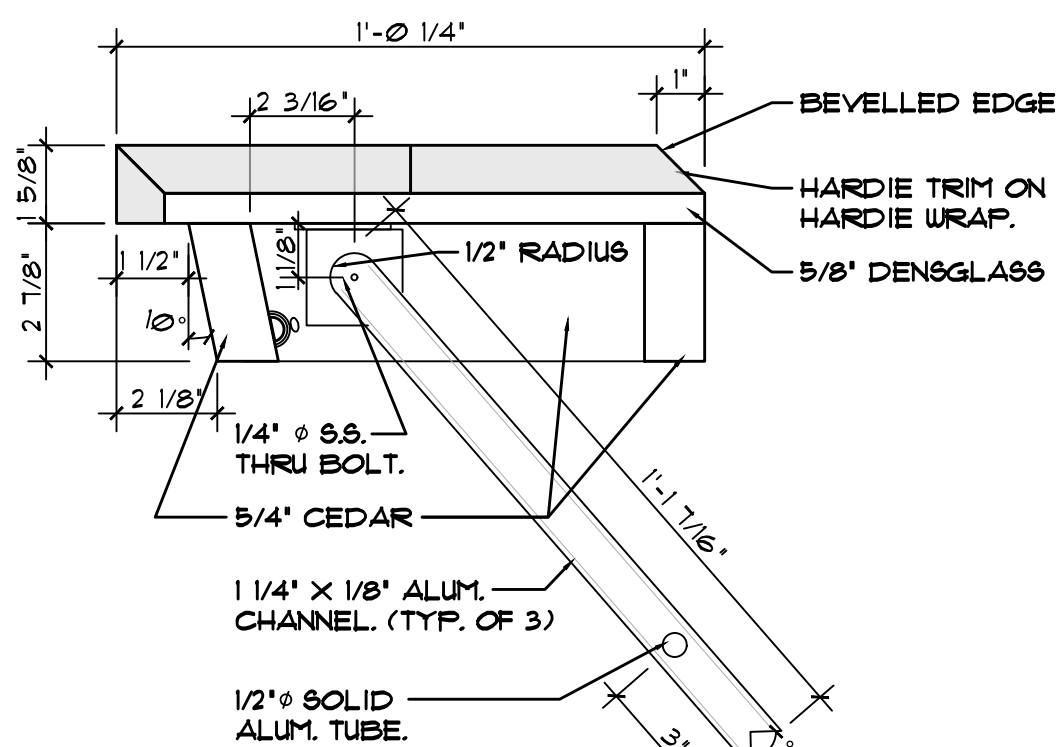
6 ALUM. CABIN STRUCT. REAR ELEV.
SCALE: 1/2" = 1'-0"

AWNING SCHEDULE & DETAILS

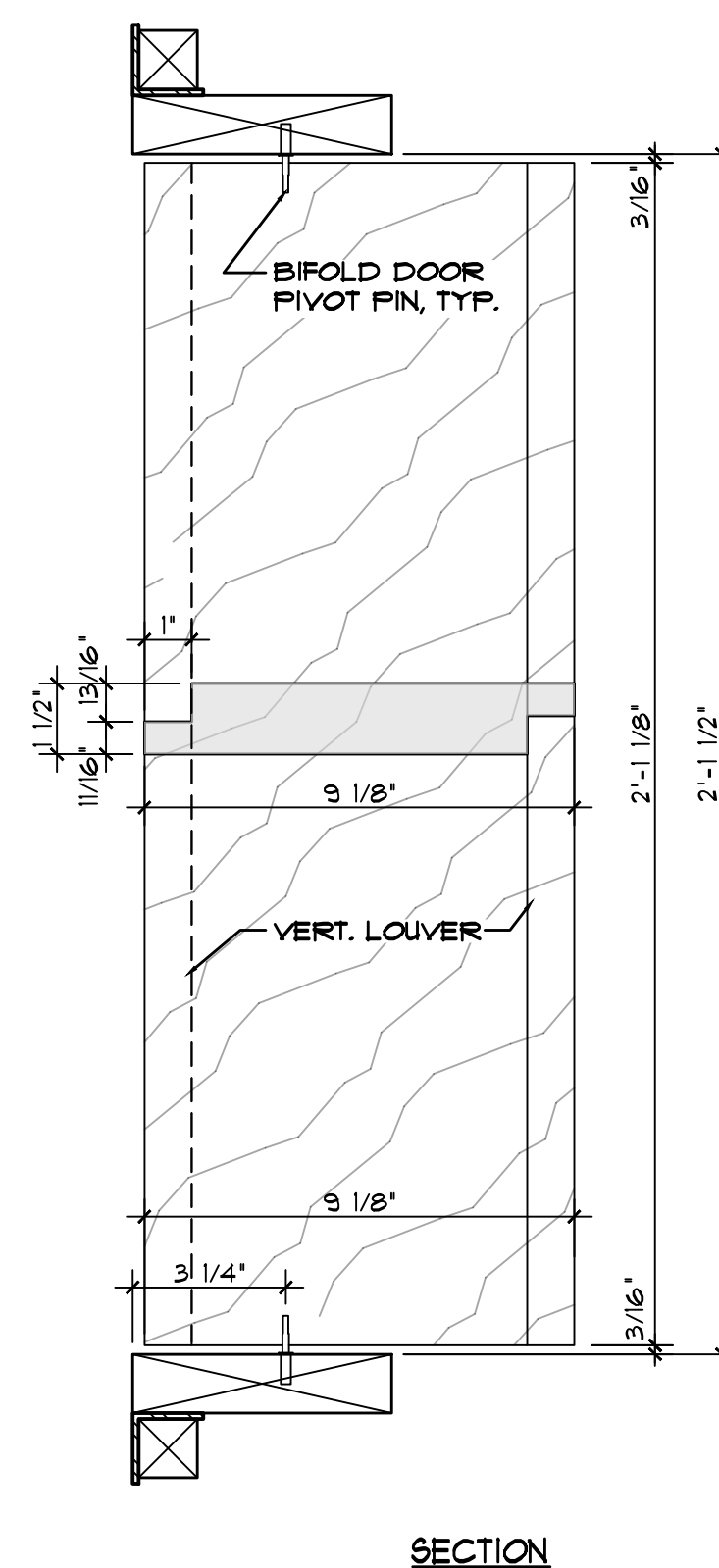
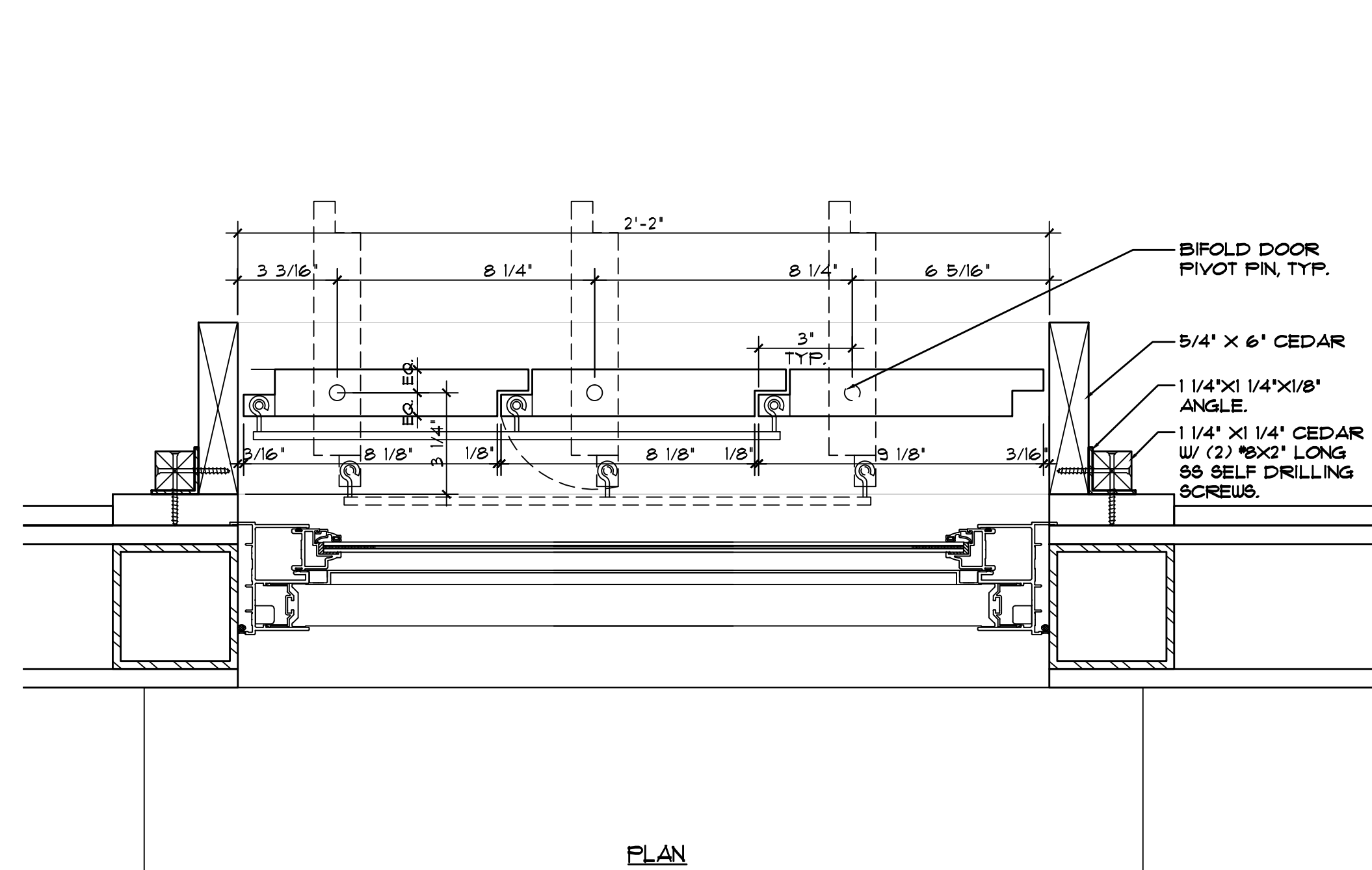


SEE STRUCTURAL DWGS.

VENT-BENCH DETAIL



VERTICAL SHADE FINS (BACK WINDOW LOUVER)



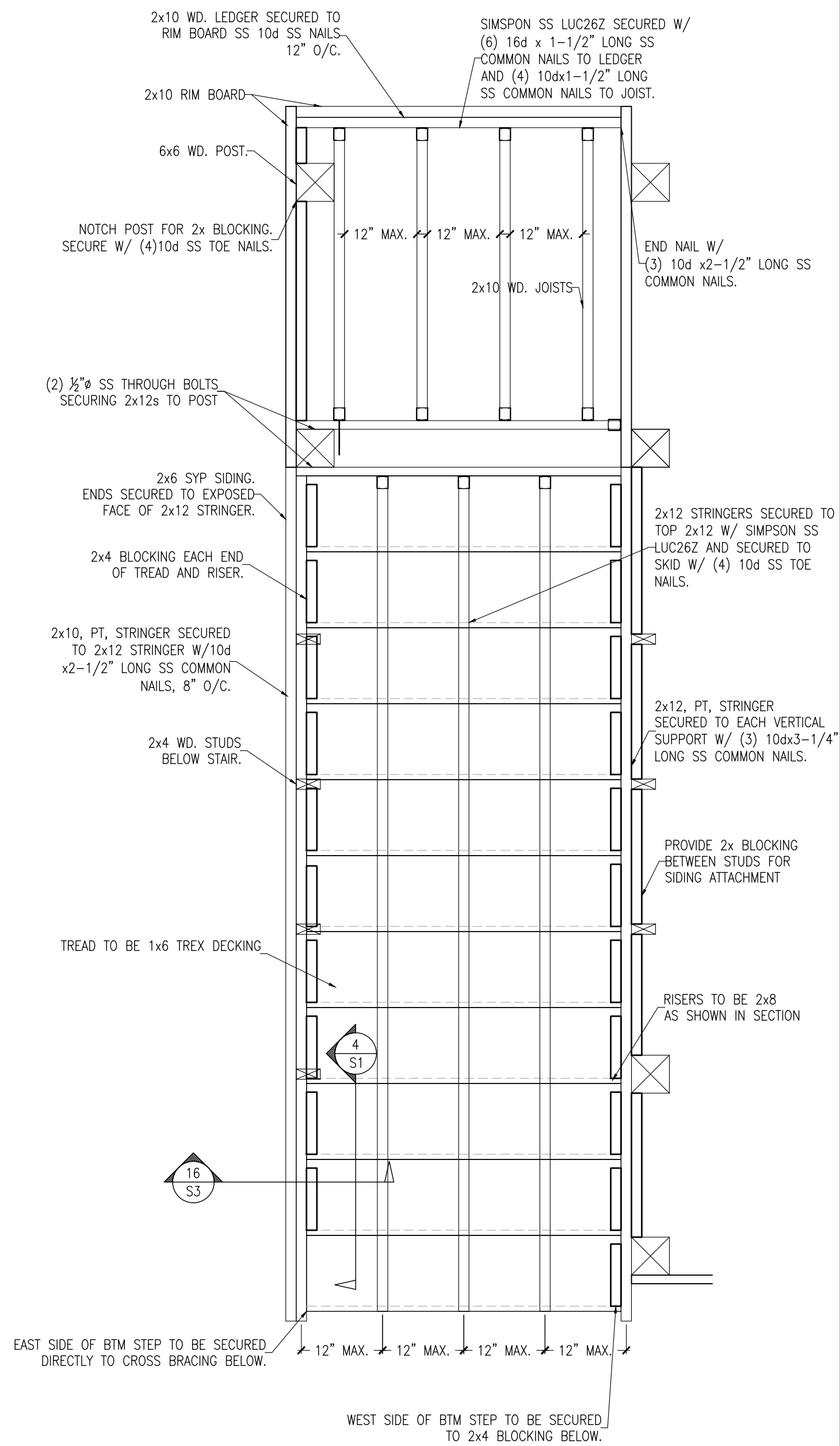
NEW CONSTRUCTION
POMPANO BEACH
LIFEGUARD TOWER
CITY OF POMPANO BEACH, FLORIDA

DATE
2018-04-18

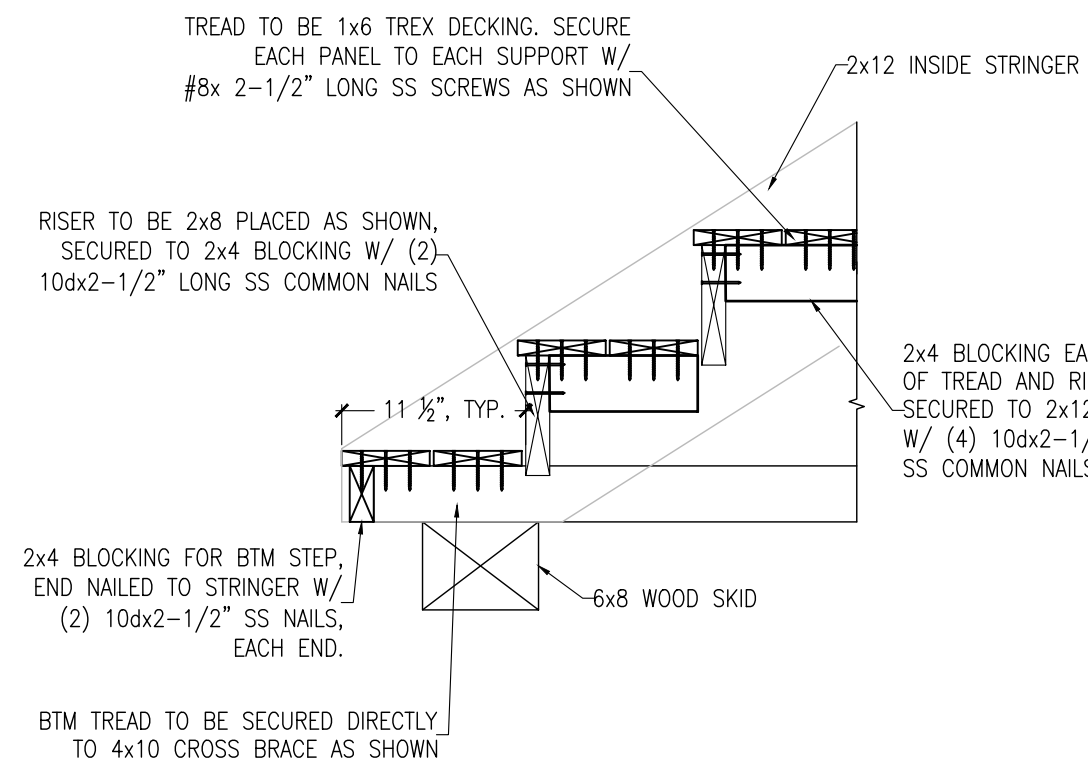
CONSTRUCTION
DOCUMENTS
PROJECT NO.
17025

BY	REVISIONS	DATE

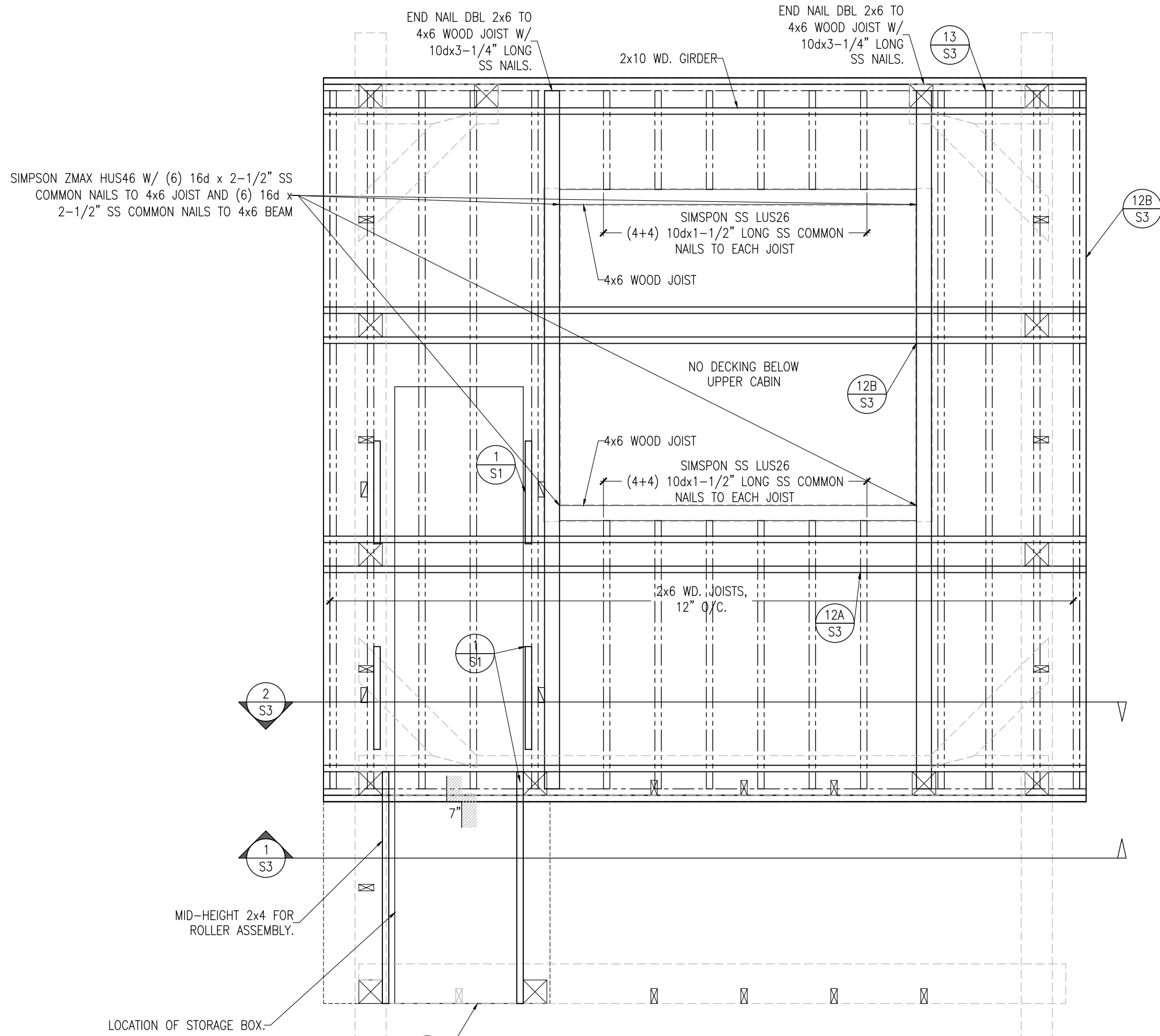
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DETAILS



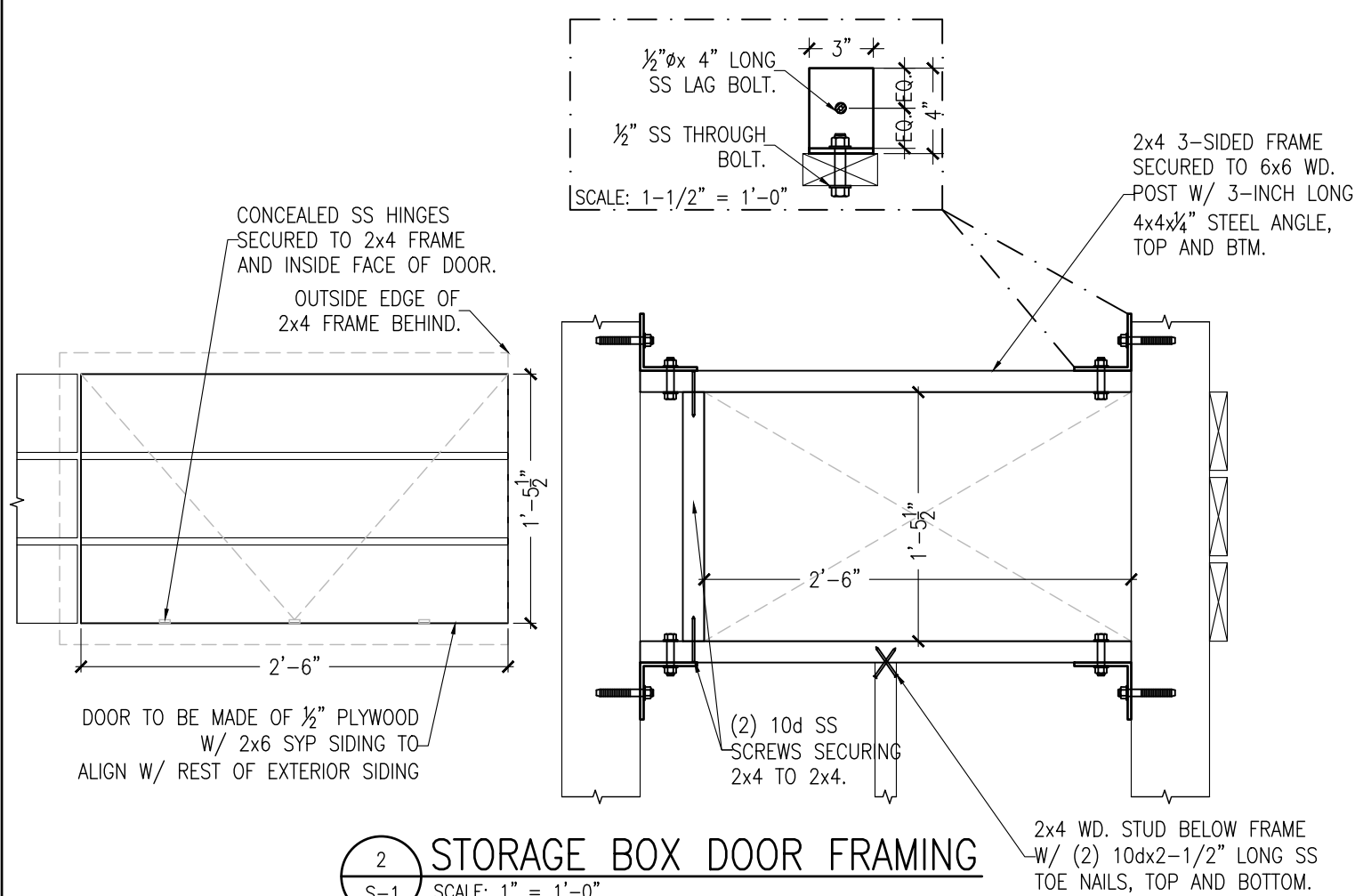
3 STAIR AND LANDING FRAMING
SCALE: 3/4" = 1'-0"



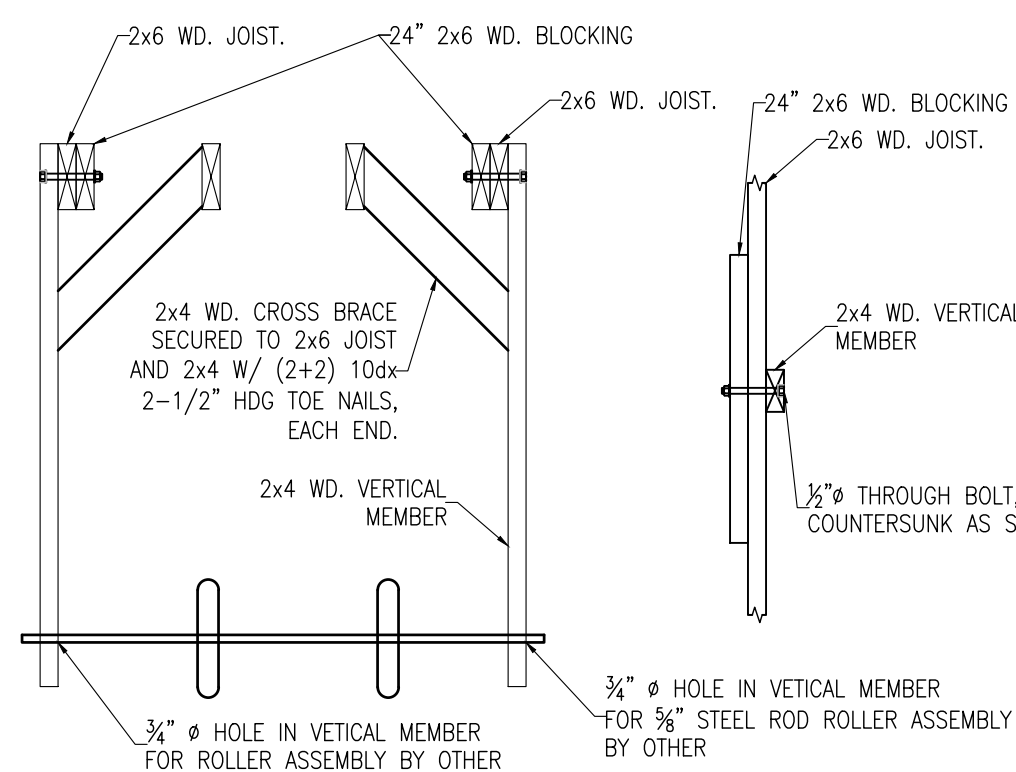
4 STAIR CROSS SECTION
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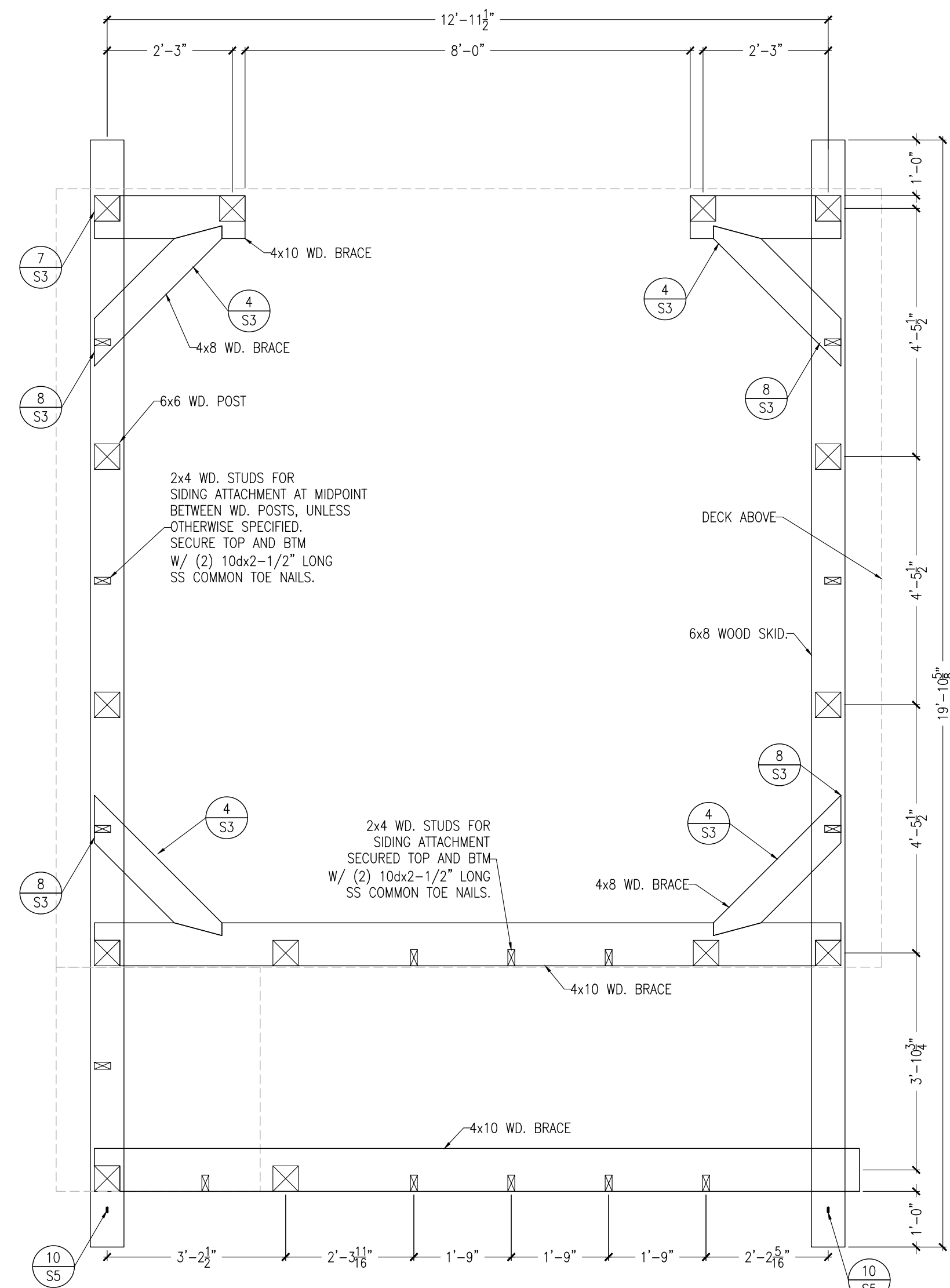
DECK FRAMING
SCALE: 1/2" = 1'-0"



2 STORAGE BOX DOOR FRAMING
SCALE: 1" = 1'-0"



BOARD STORAGE BOX FRAMING
SCALE: 3/4" = 1'-0"



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

INSPECTOR NOTE:
STRUCTURE WAS DESIGNED BASED ON THE
FBC 2017, AND
ASCE 7-10, 110 MPH (3 SEC), EXP. D.
RISK CAT. 1.

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Specialty Engineering Consultants, Inc.

SHEET INFORMATION

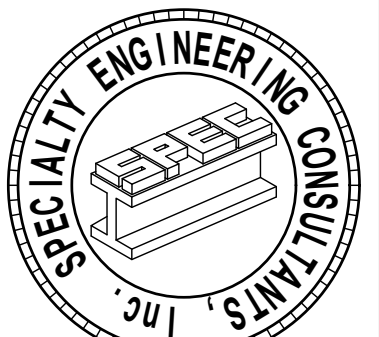
SKID FRAMING,
LOWER LEVEL FRAMING

PROJECT INFORMATION

LIFEGUARD TOWER
POMPANO BEACH, FL

CLIENT INFORMATION

DK ARCHITECTS
24 NE 24th AVENUE, #1
POMPANO BEACH, FL 33062



SPECIALTY ENGINEERING
CONSULTANTS, Inc.
1599 SW 30th AVE.
SUITE #20
BOYNTON BEACH, FL 33426

DADE - BROWARD - PALM BEACH
FL, CA. #009217

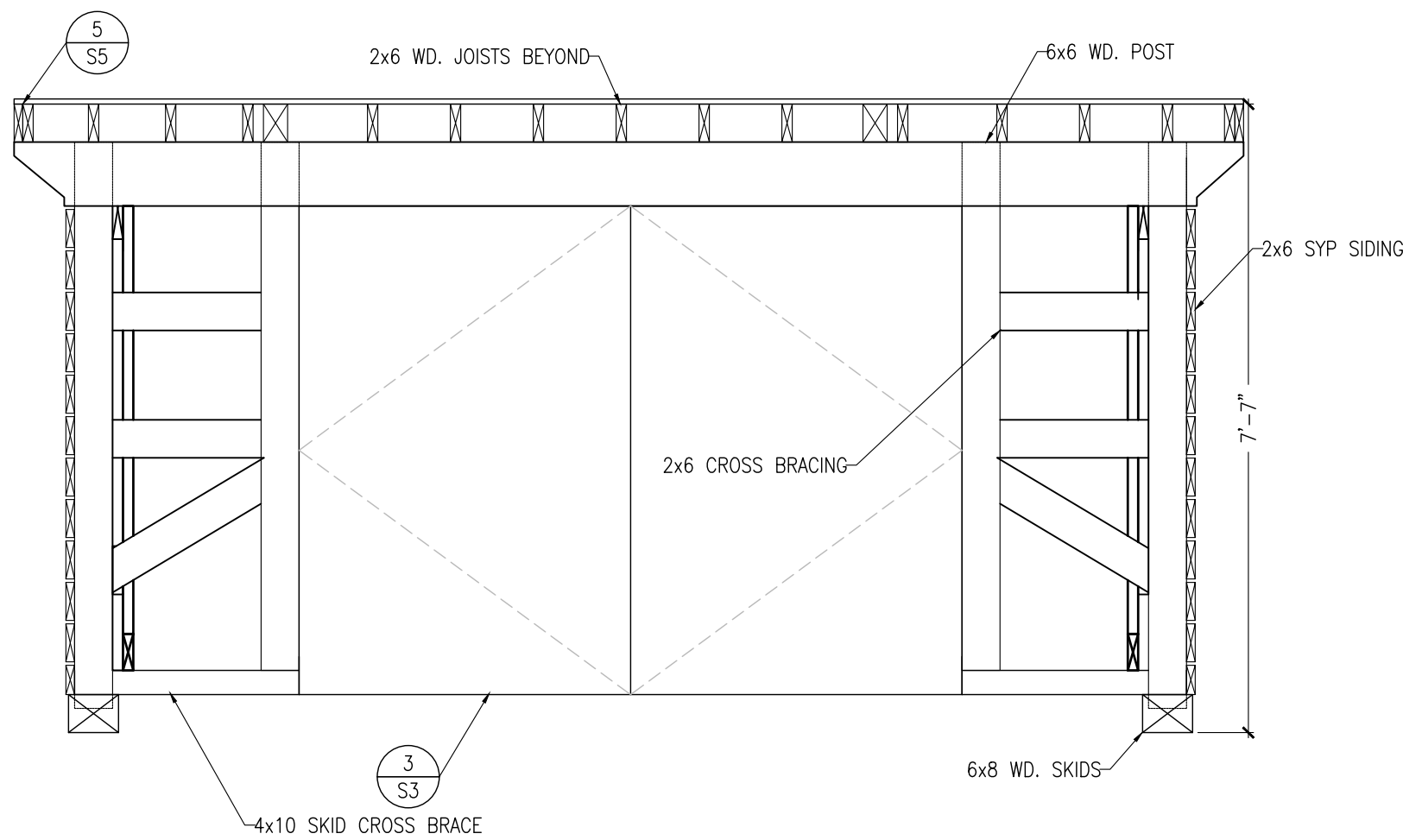
561 - 752 - 5440 OFFICE
561 - 752 - 5542 FAX

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RVD. BY: G.McD.
DRWN. BY: R.L.

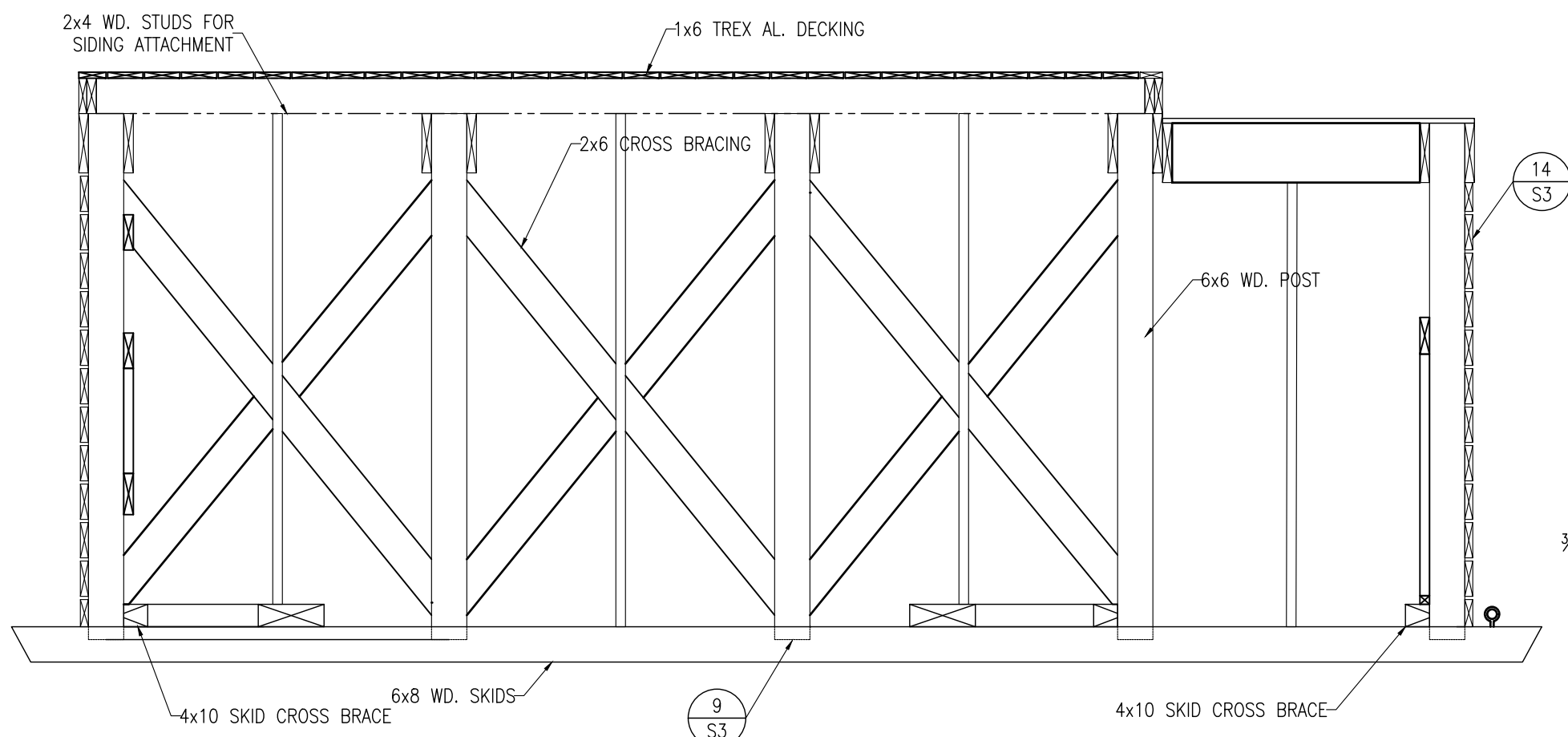
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SEAL
D. MARK LeBLANC, PE FL #35683
GARY McDONNELL, E FL #56214
D. ADAM LeBLANC, PE FL #77012

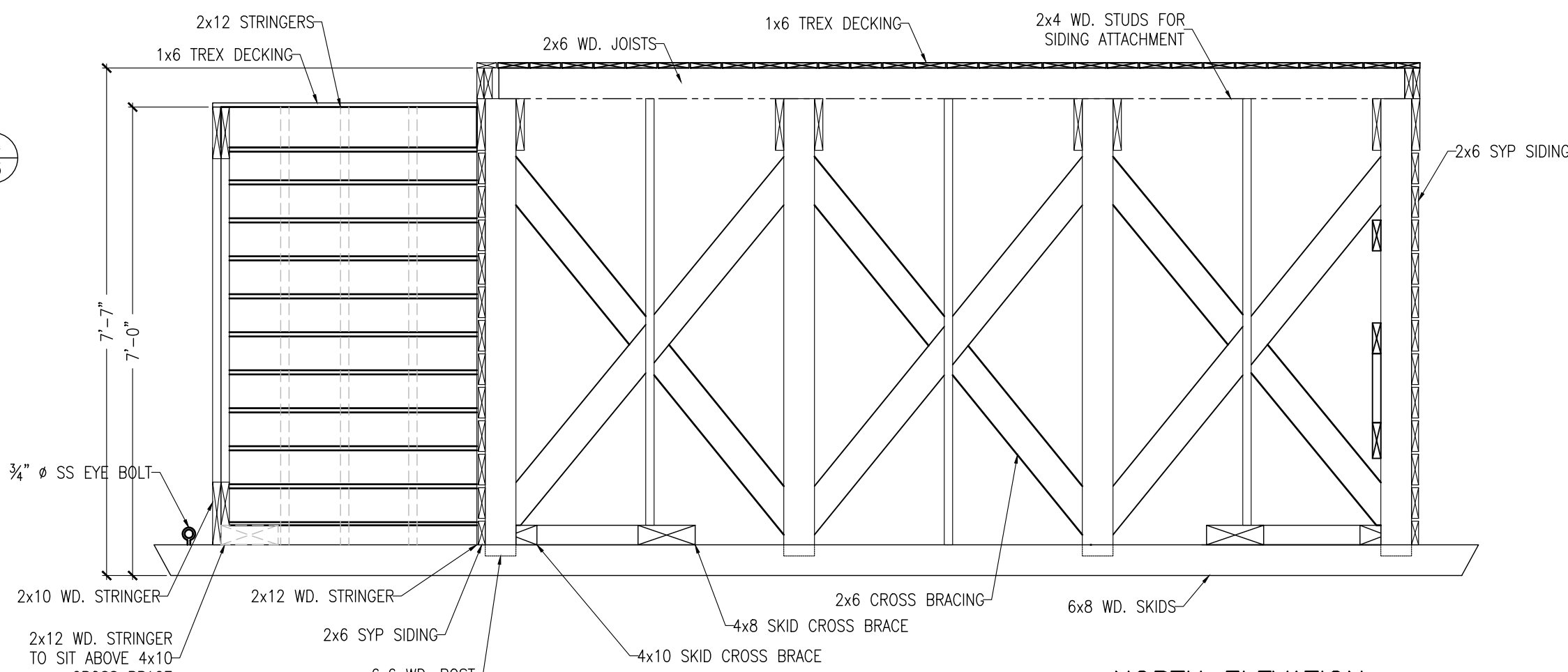
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S1 5



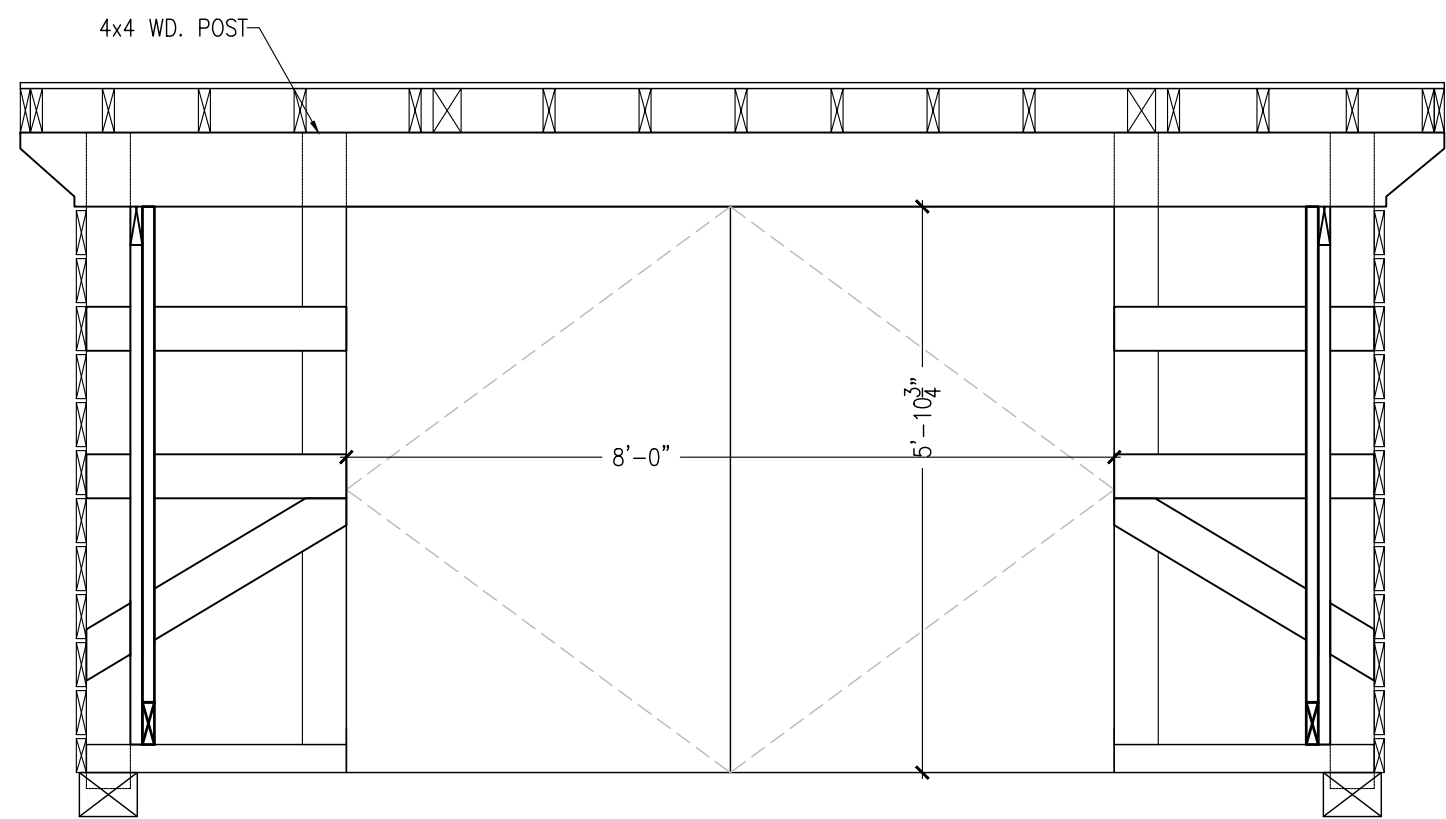
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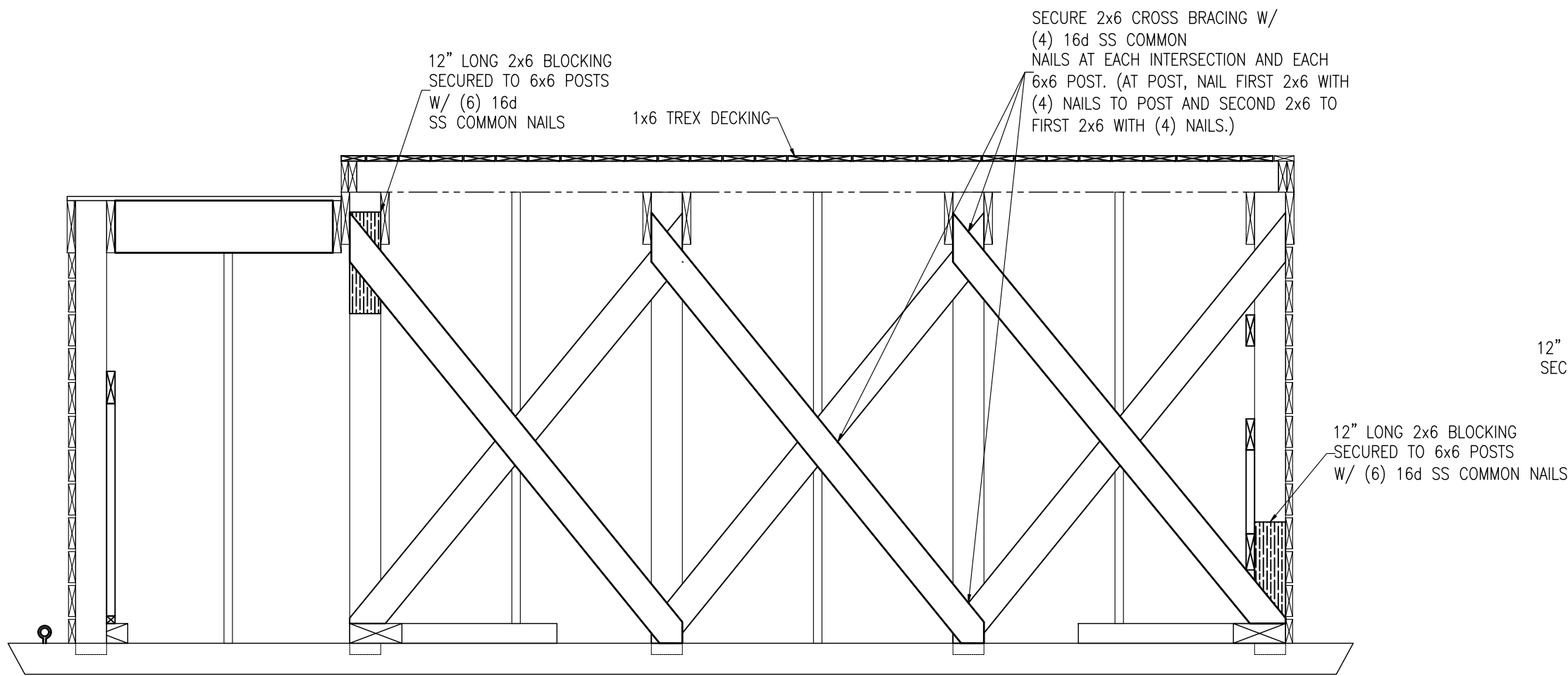
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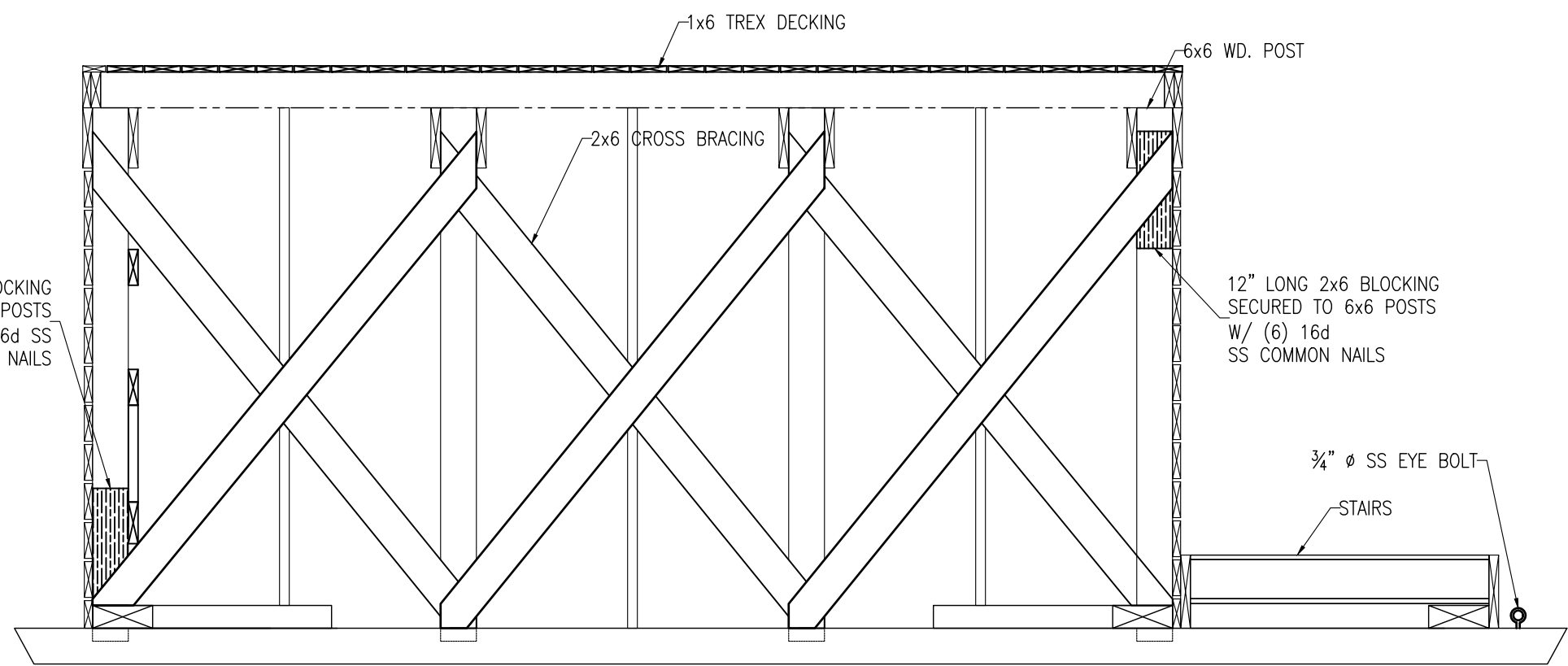
NORTH ELEVATION
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WEST ELEVATION (IN LOOKING OUT)
SCALE: 1/2" = 1'-0"

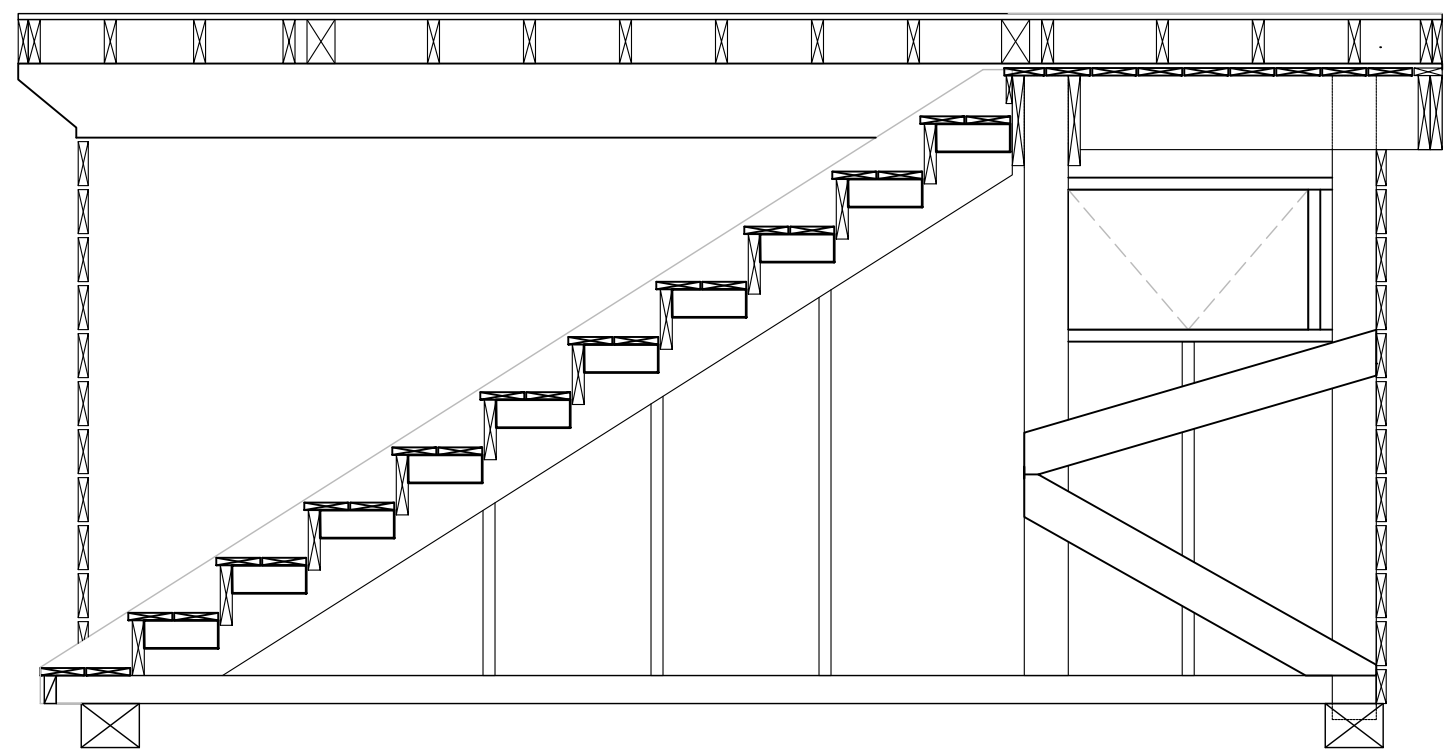


SOUTH ELEVATION (IN LOOKING OUT)
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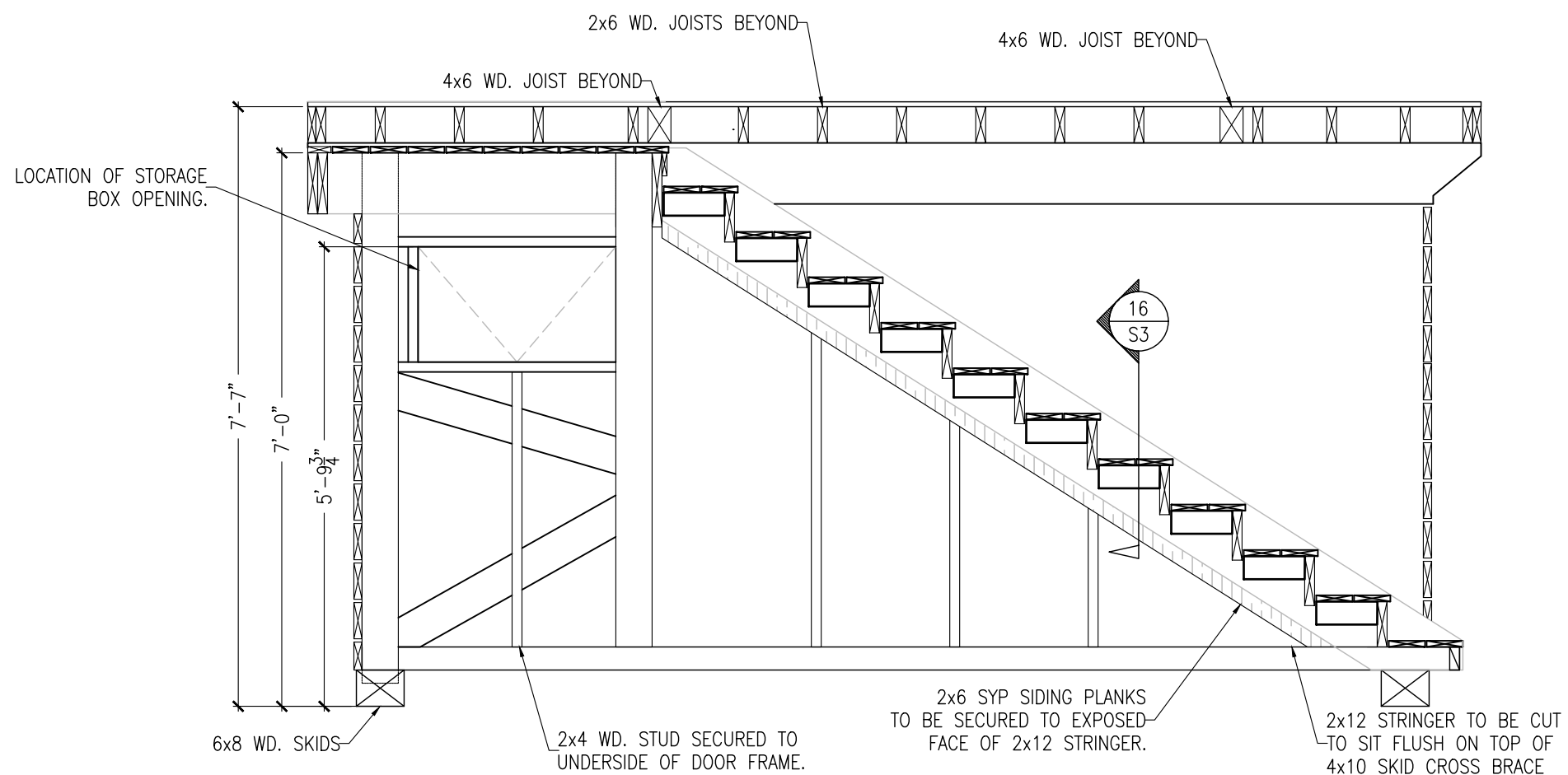


NORTH ELEVATION (IN LOOKING OUT)
SCALE: 1/2" = 1'-0"

INSPECTOR NOTE
1. SEE ARCHITECTURAL PLANS FOR COMPOSITE ELEVATIONS AND RAILING PLAN.
2. ALL SIMPSON CONNECTIONS, FASTENERS, BOLTS AND OTHER HARDWARE TO BE GRADE 316 STAINLESS STEEL.
3. ALL WOOD TO BE SYP, No. 2, PRESSURE TREATED, UNLESS OTHERWISE NOTED



EAST ELEVATION (IN LOOKING OUT)
SCALE: 1/2" = 1'-0"



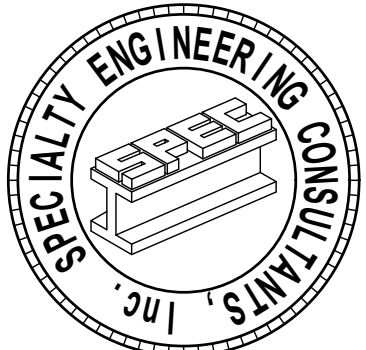
EAST ELEVATION
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SHEET INFORMATION
**LOWER LEVEL
ELEVATIONS**

PROJECT INFORMATION
**LIFEGUARD TOWER
POMPANO BEACH, FL**

CLIENT INFORMATION
**DK ARCHITECTS
24 NE 24th AVENUE, #1
POMPANO BEACH, FL 33062**



SPECIALTY ENGINEERING
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1599 SW 30th AVE.
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DADE - BROWARD - PALM BEACH
FL, CA, #009217

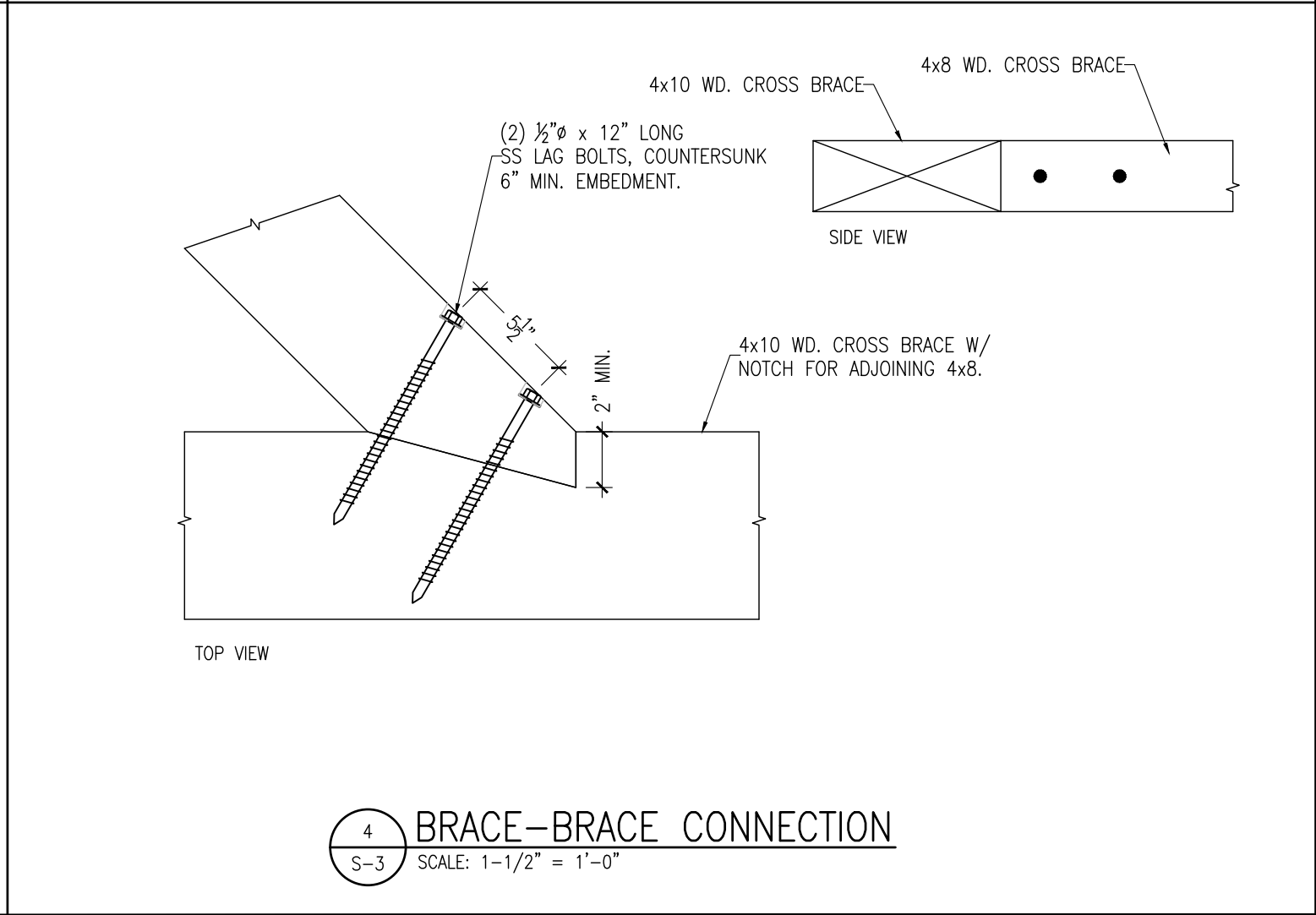
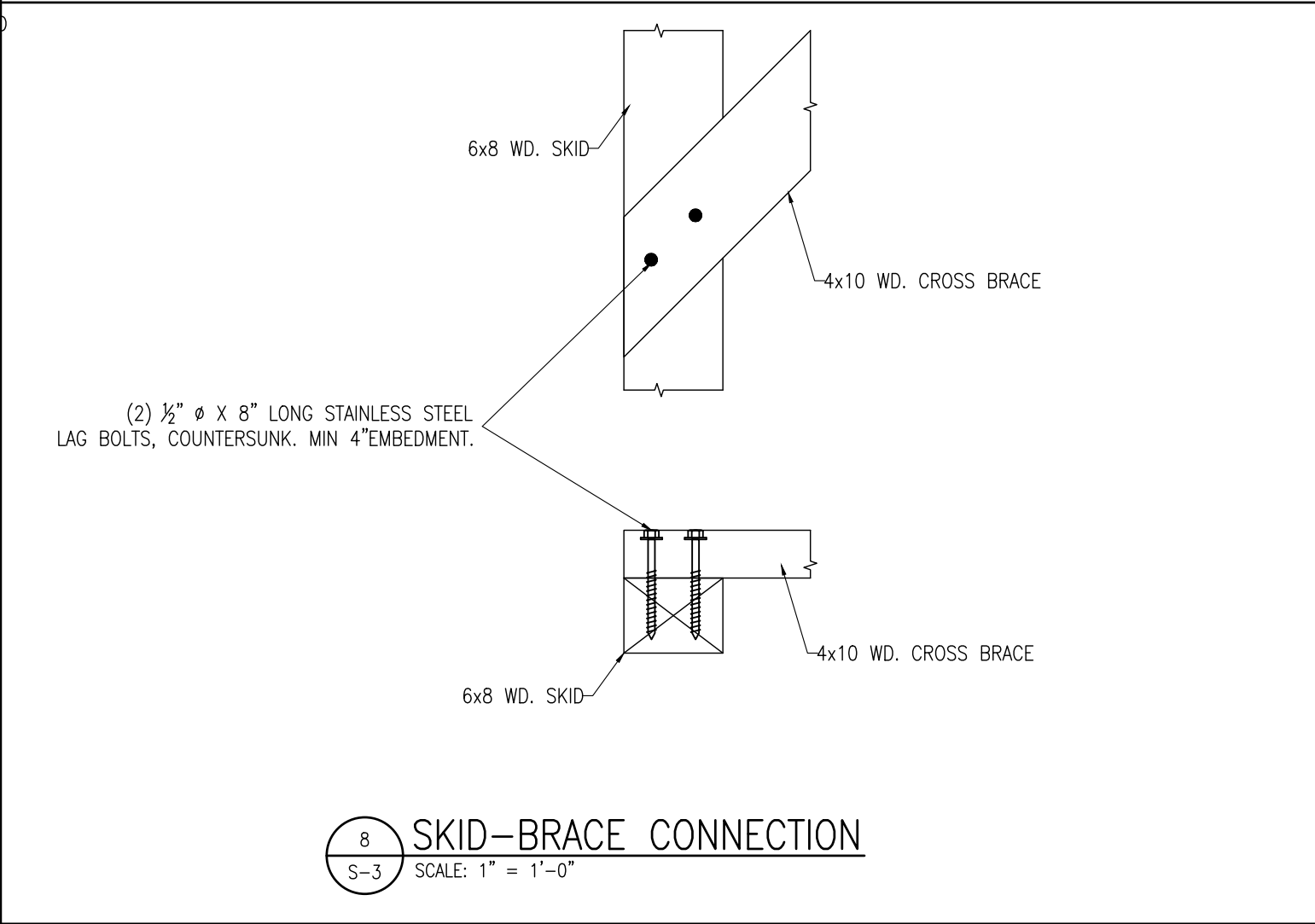
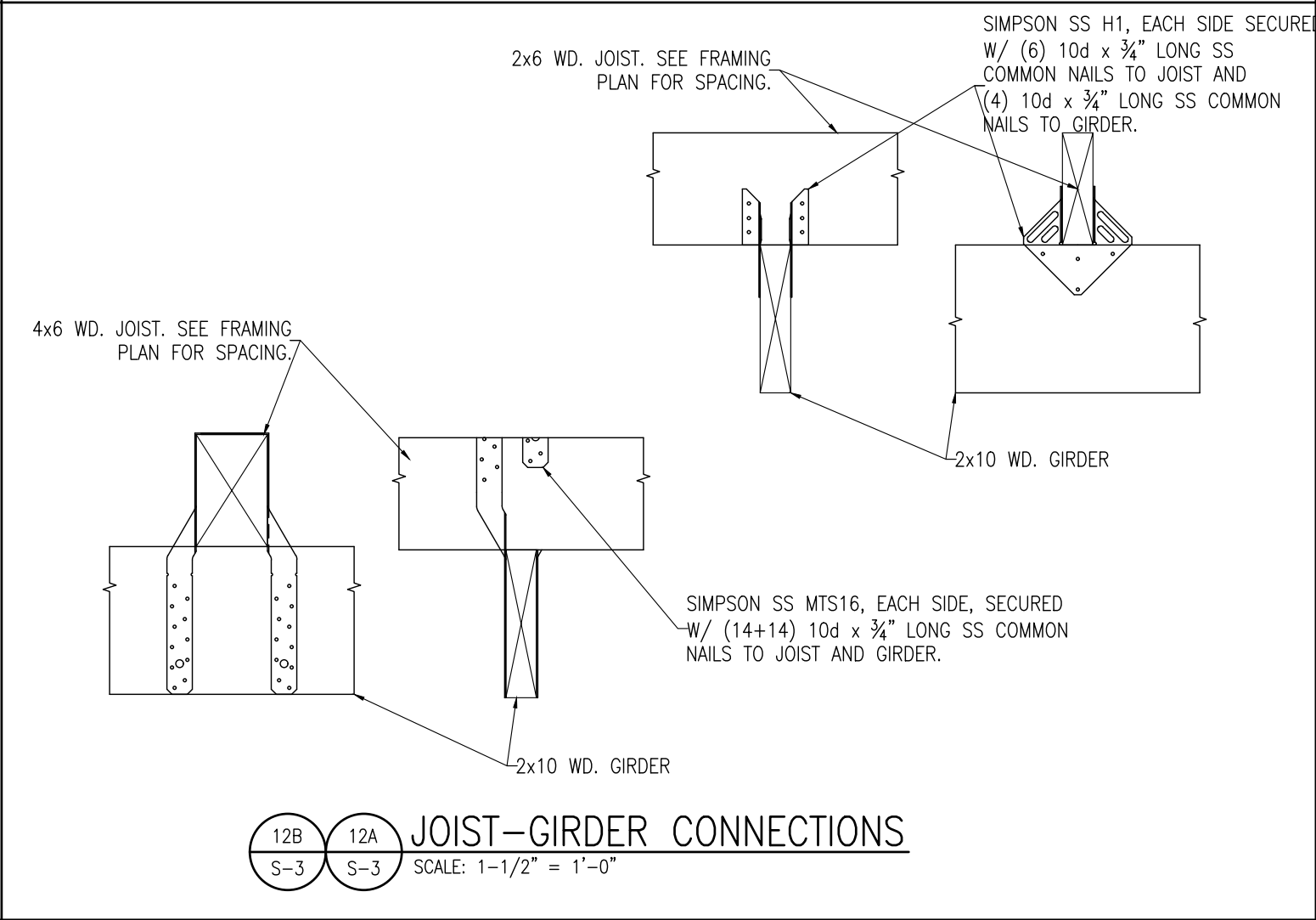
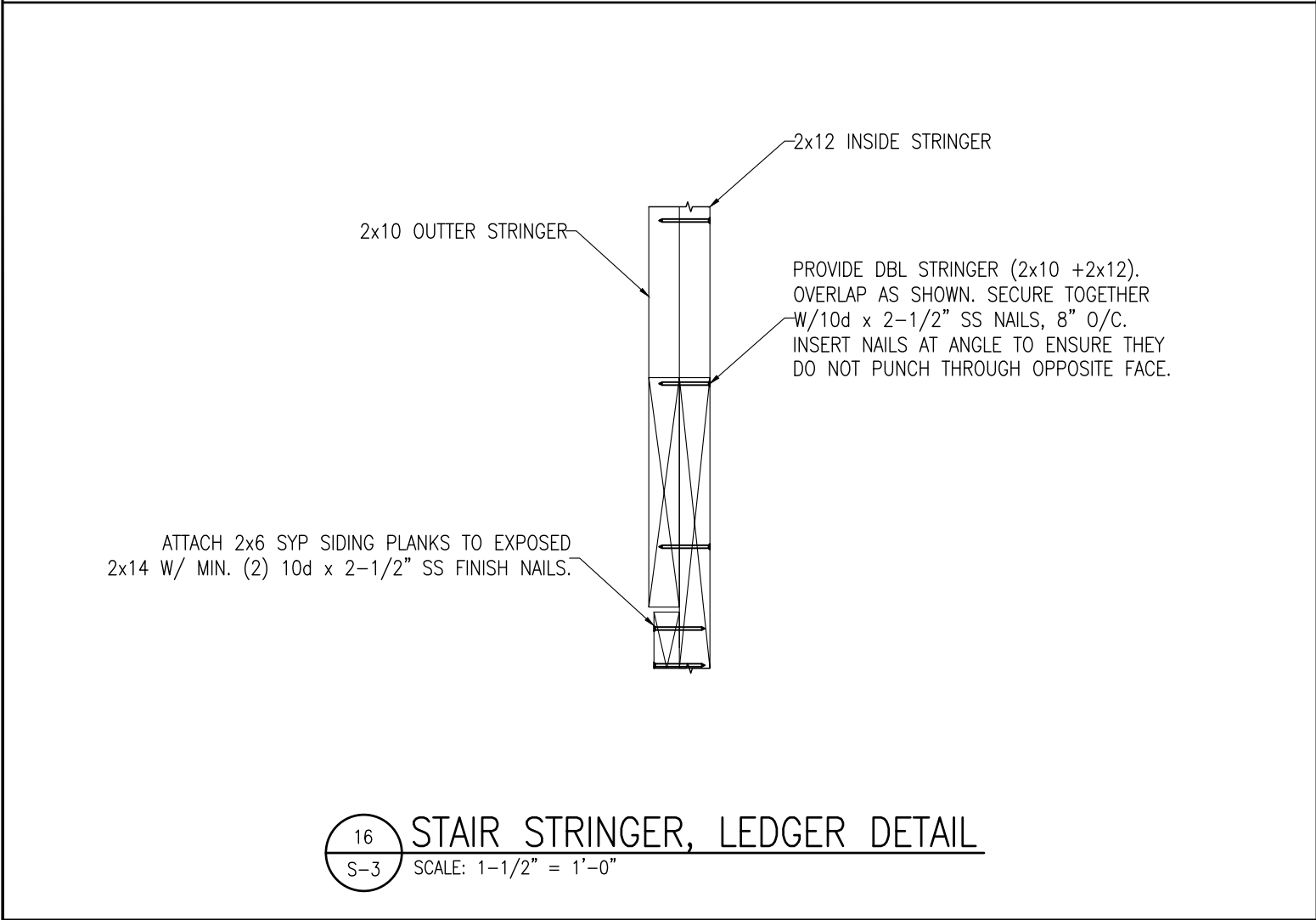
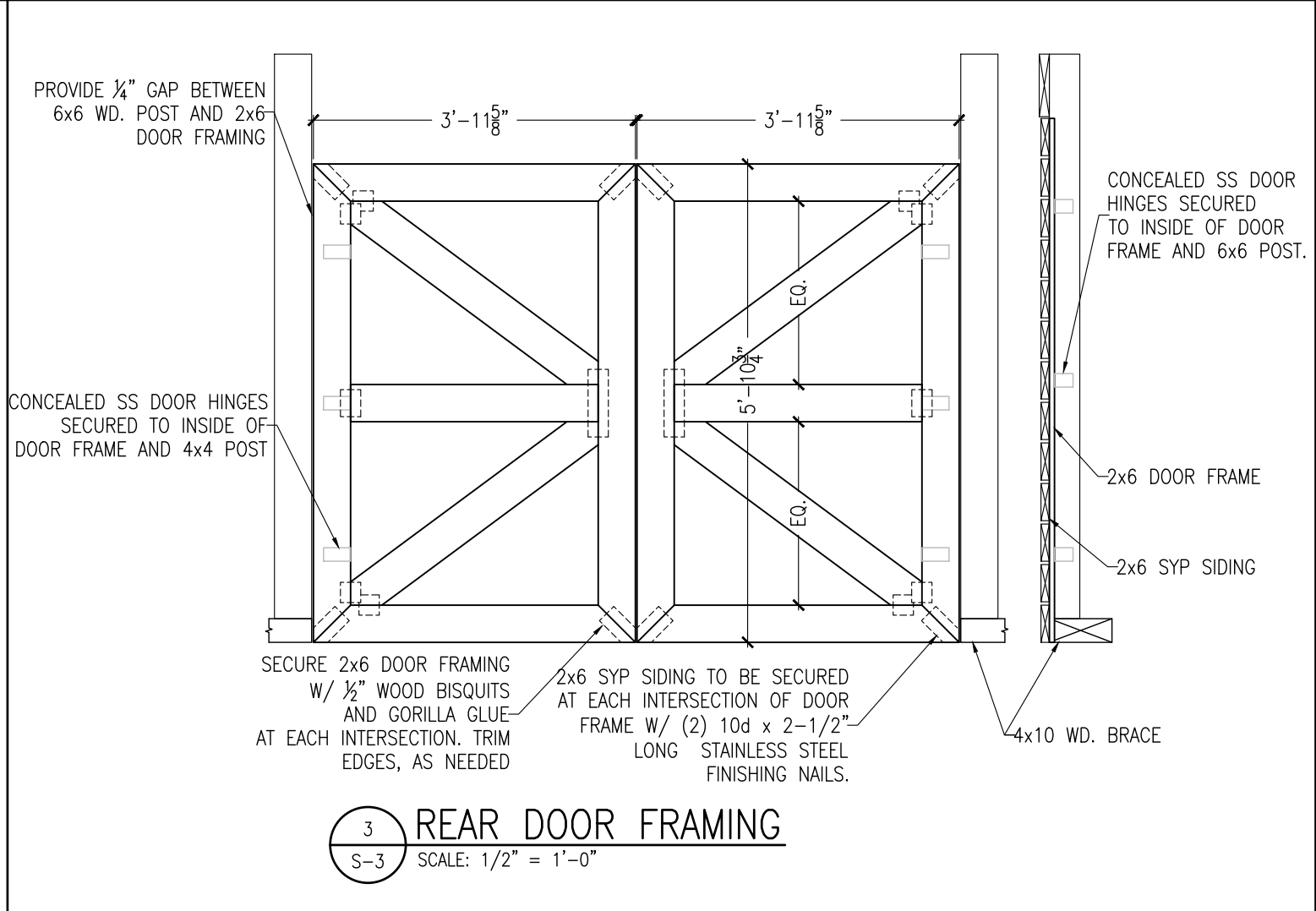
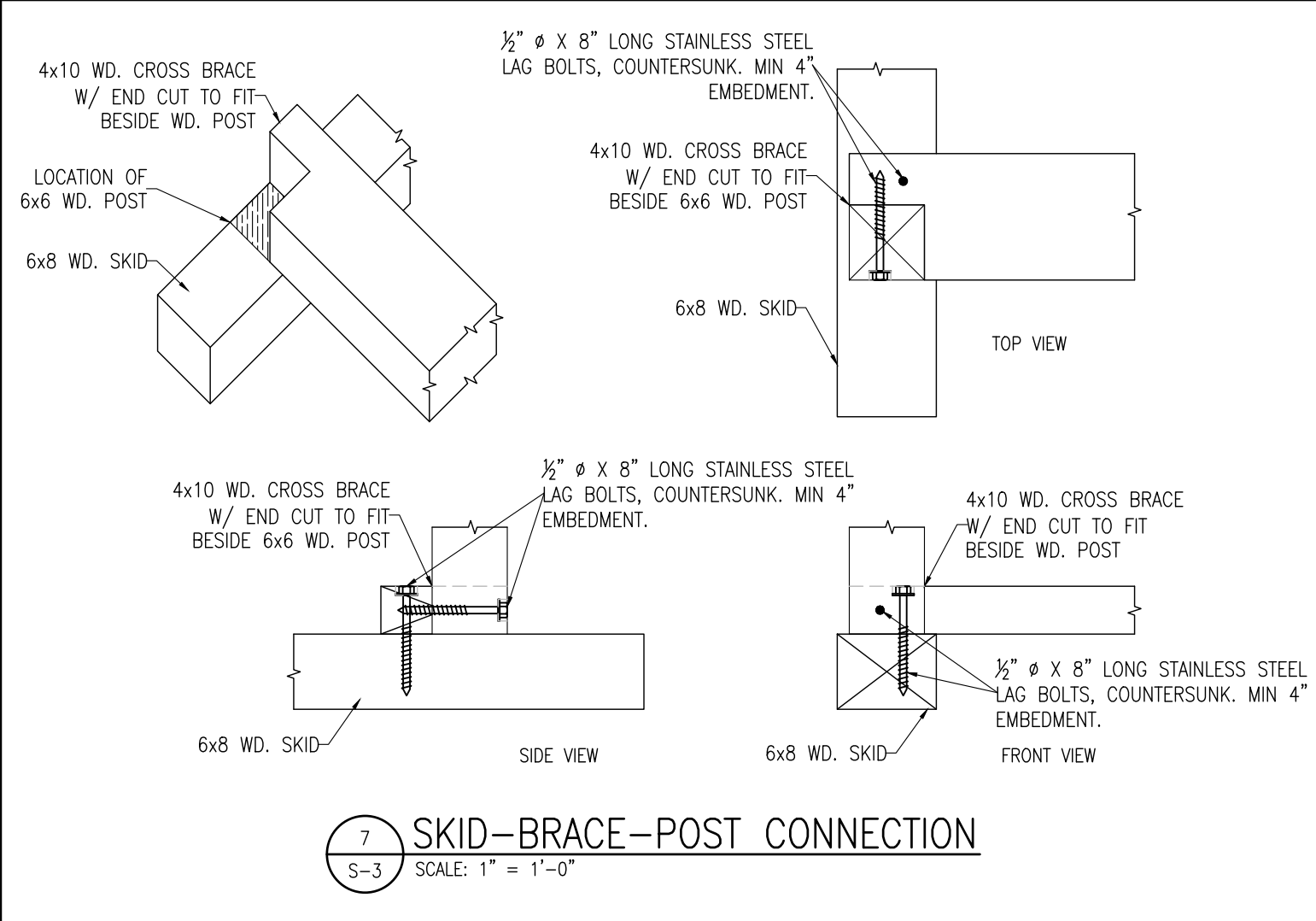
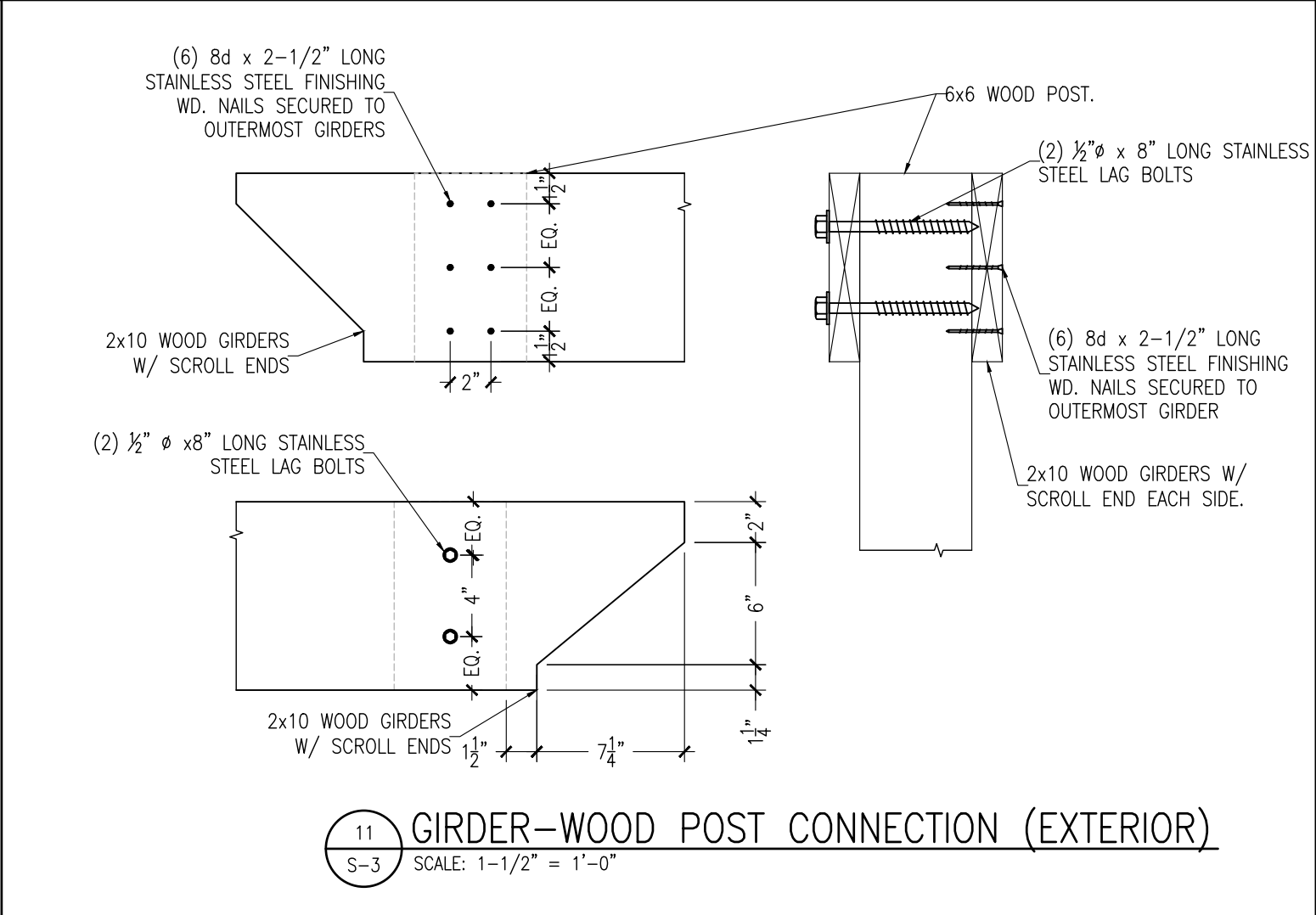
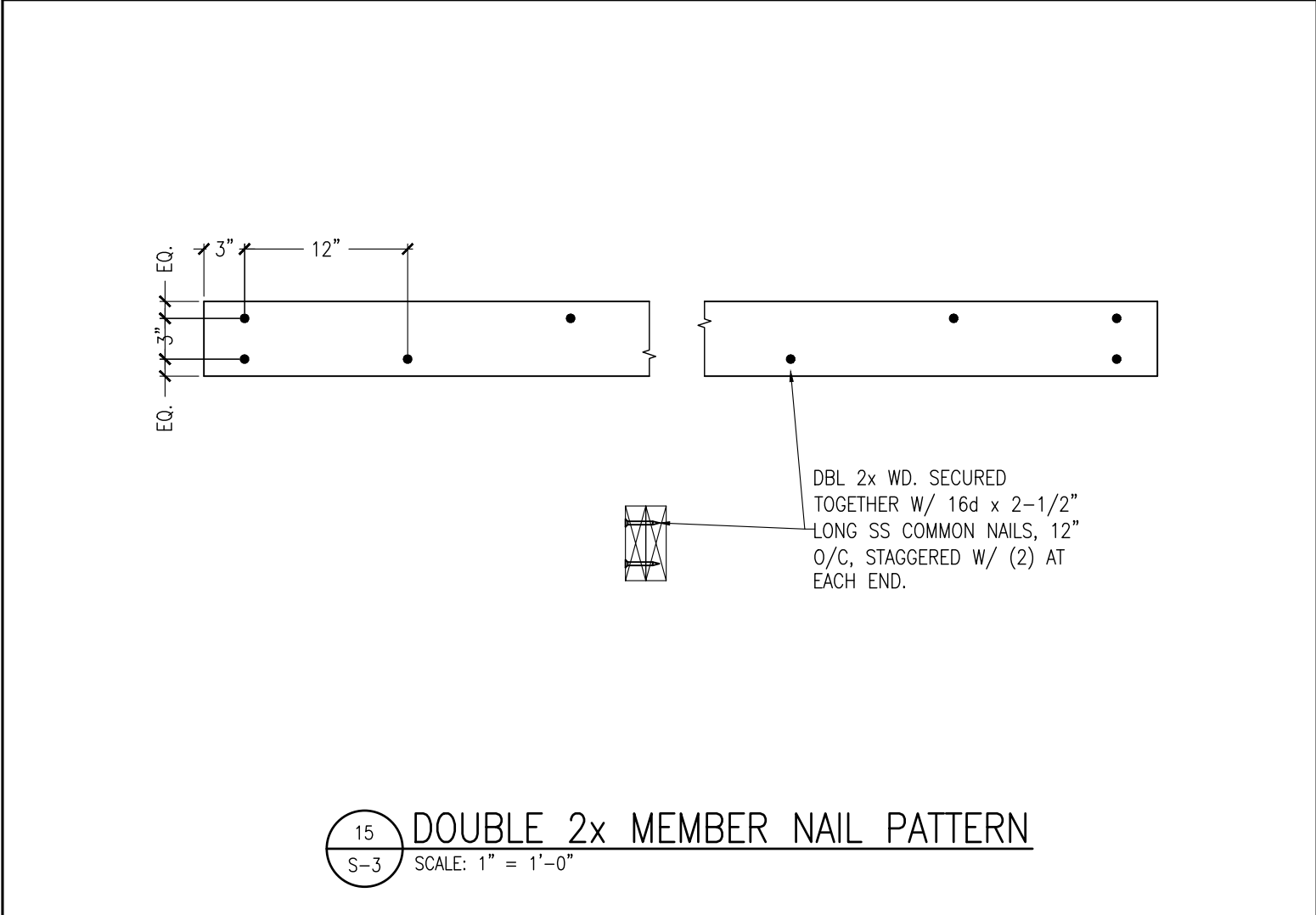
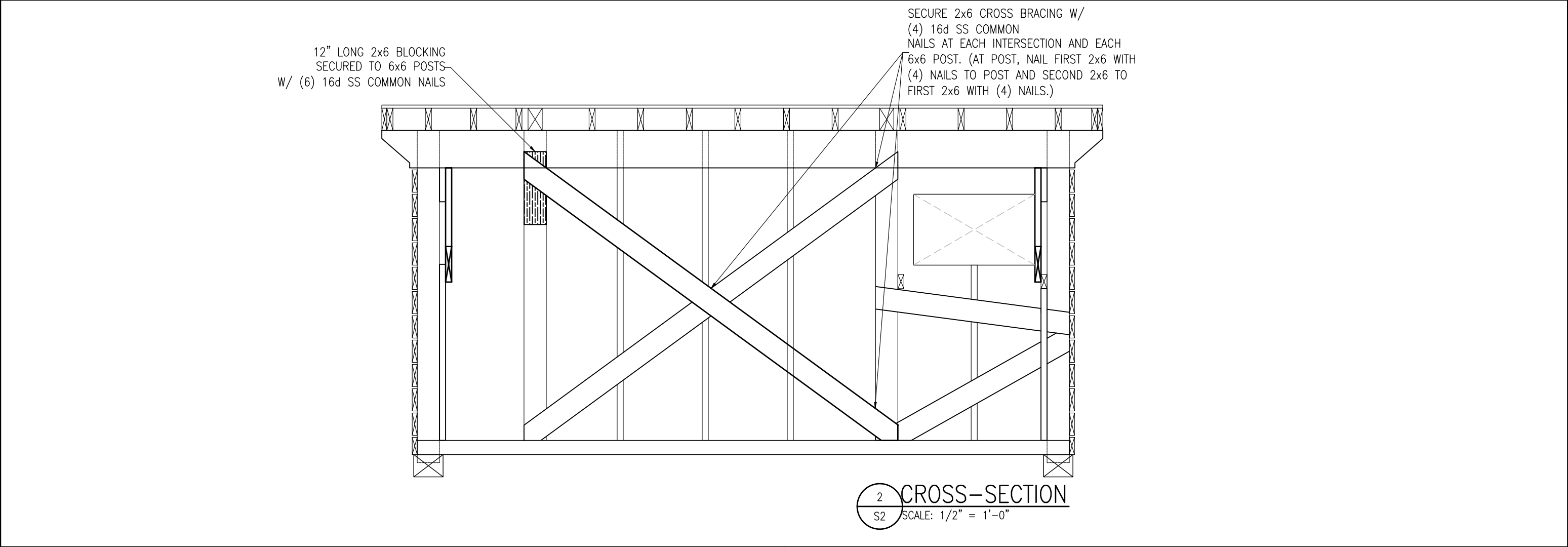
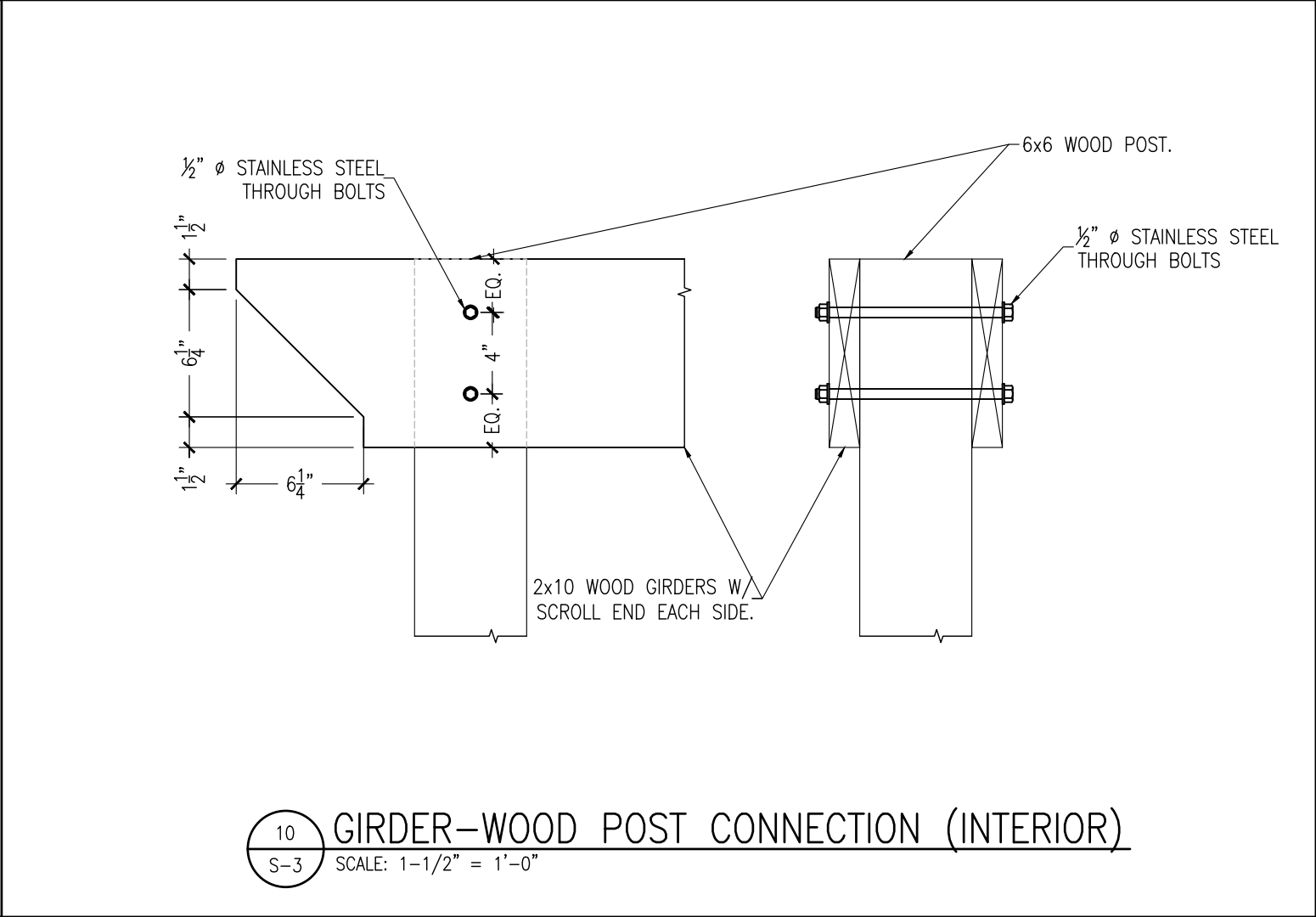
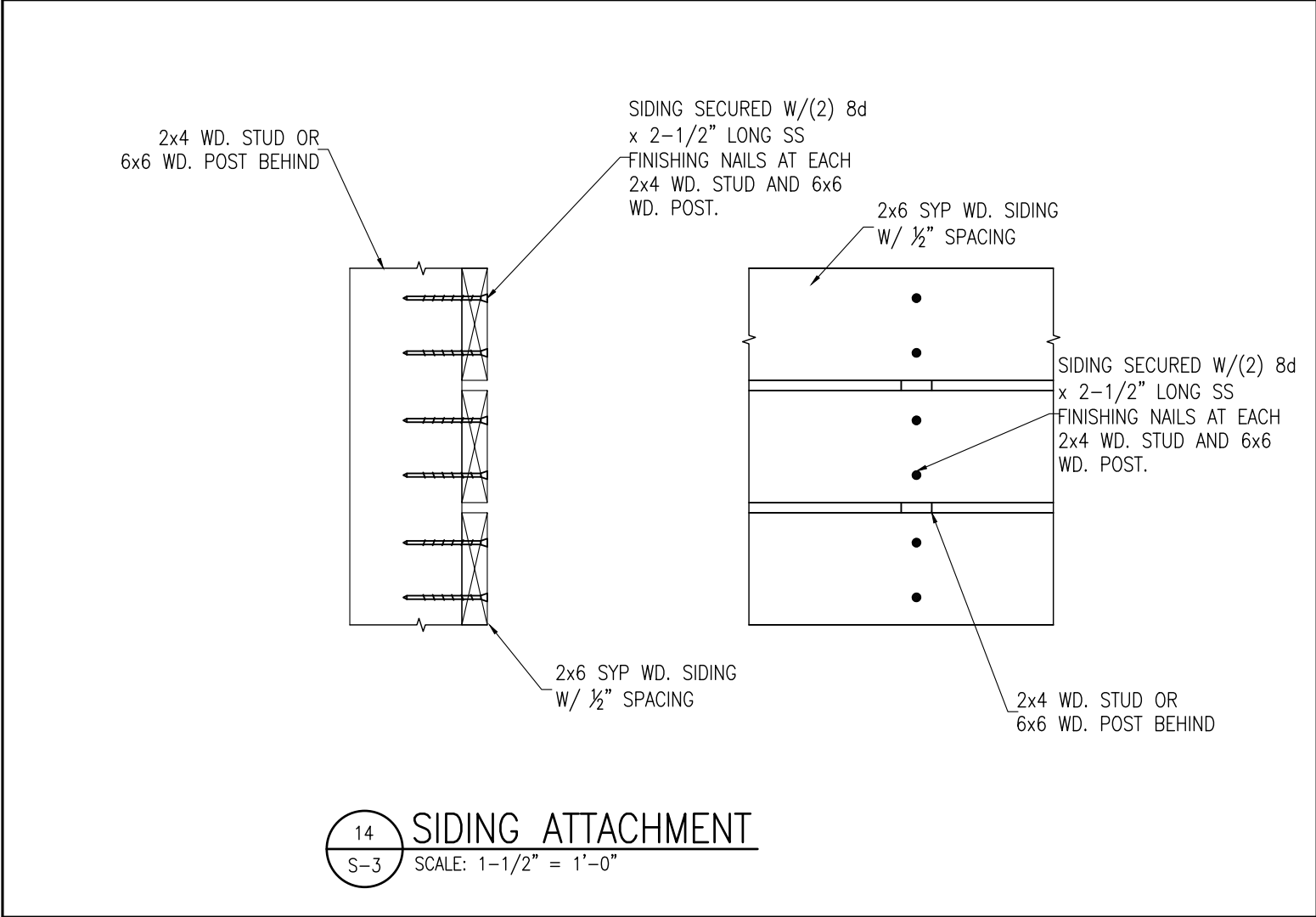
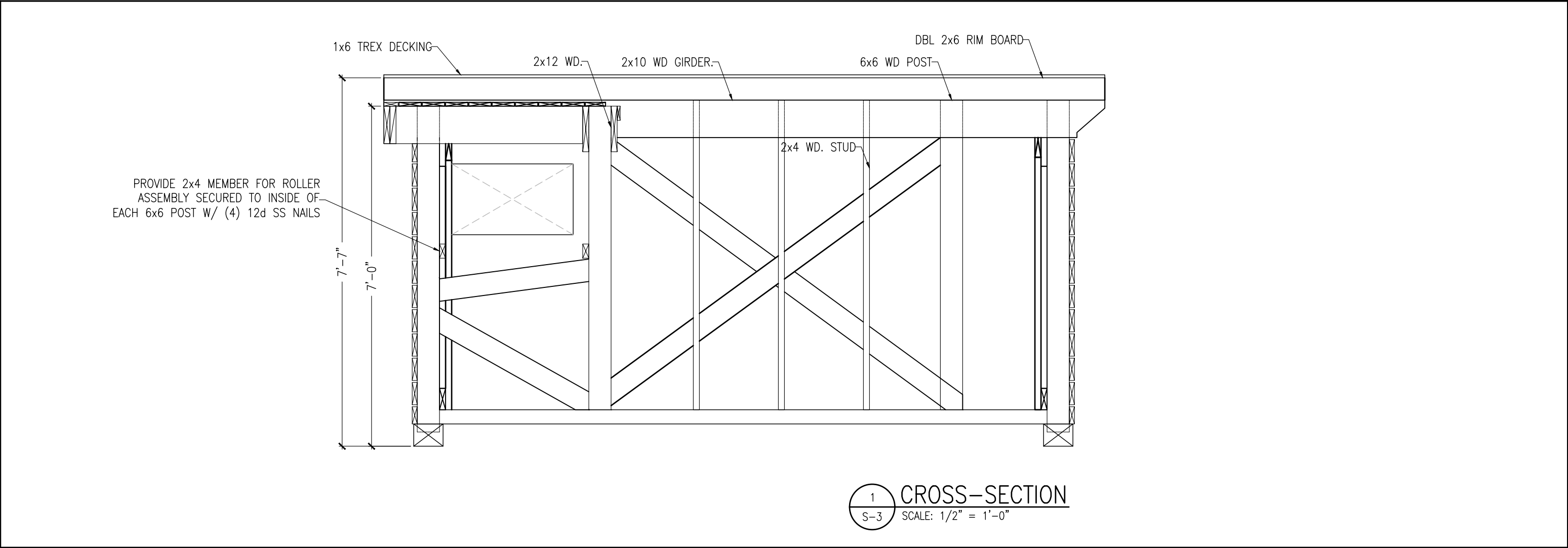
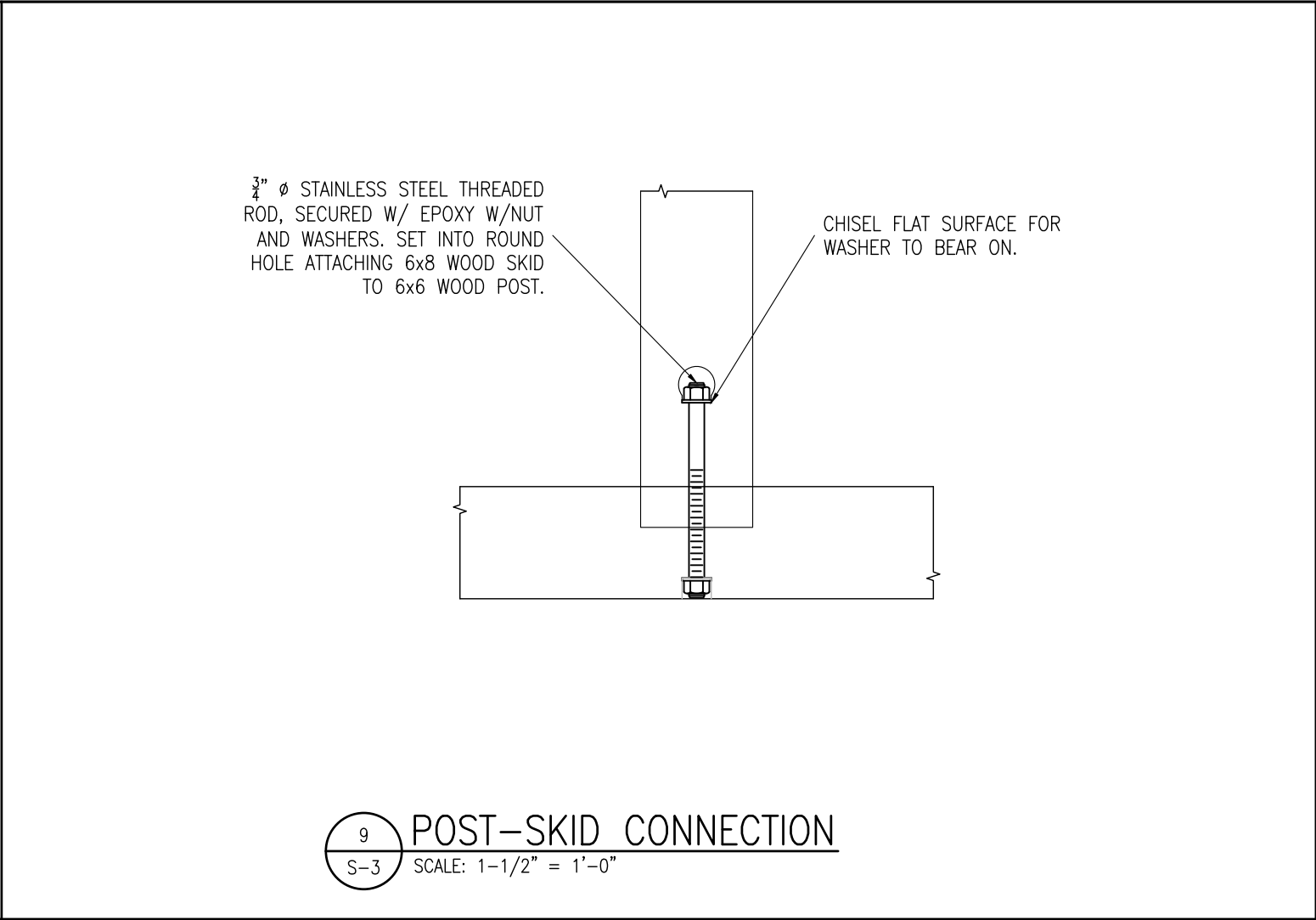
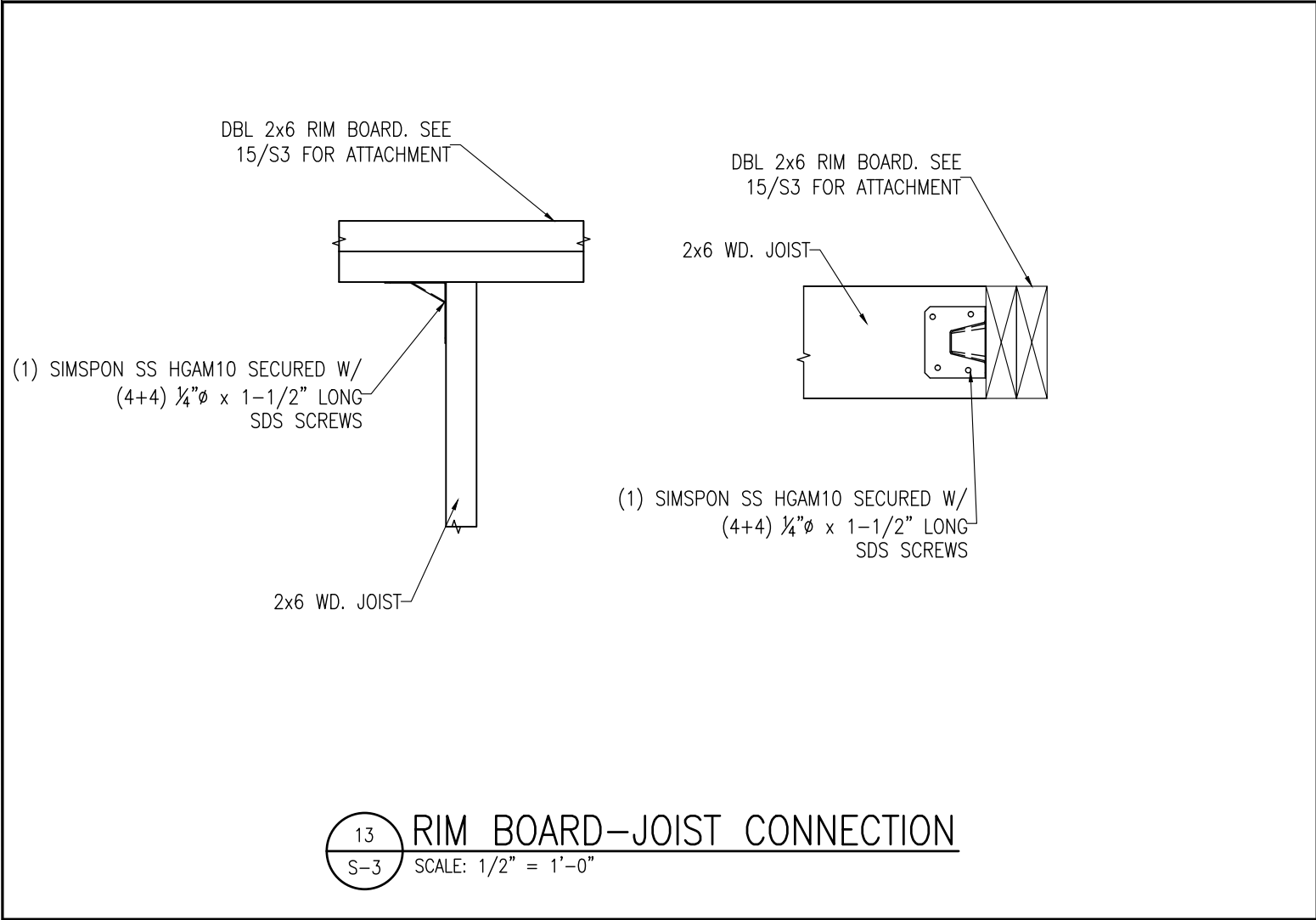
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SCALE: 1/4"=1'-0"
DATE: 4/18/2018
RVD. BY: G.McD.
DRWN. BY: R.L.

REVISION
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SEAL
D. MARK LeBLANC, PE FL #35683
GARY McDOUGLE, E FL #56214
D. ADAM LeBLANC, PE FL #77012

SHEET # **S2** OF **5**



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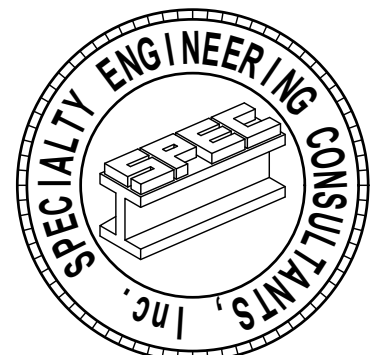
CROSS-SECTIONS,
DETAILS AND NOTES

PROJECT INFORMATION

LIFEGUARD TOWER
POMPANO BEACH, FL

CLIENT INFORMATION

DK ARCHITECTS
24 NE 24th AVENUE, #1
POMPANO BEACH, FL 33062



SPECIALTY ENGINEERING
CONSULTANTS, Inc.
1599 SW 30th AVE.
SUITE #20
BOYNTON BEACH, FL 33426
DADE - BROWARD - PALM BEACH
FL, CA. #009217

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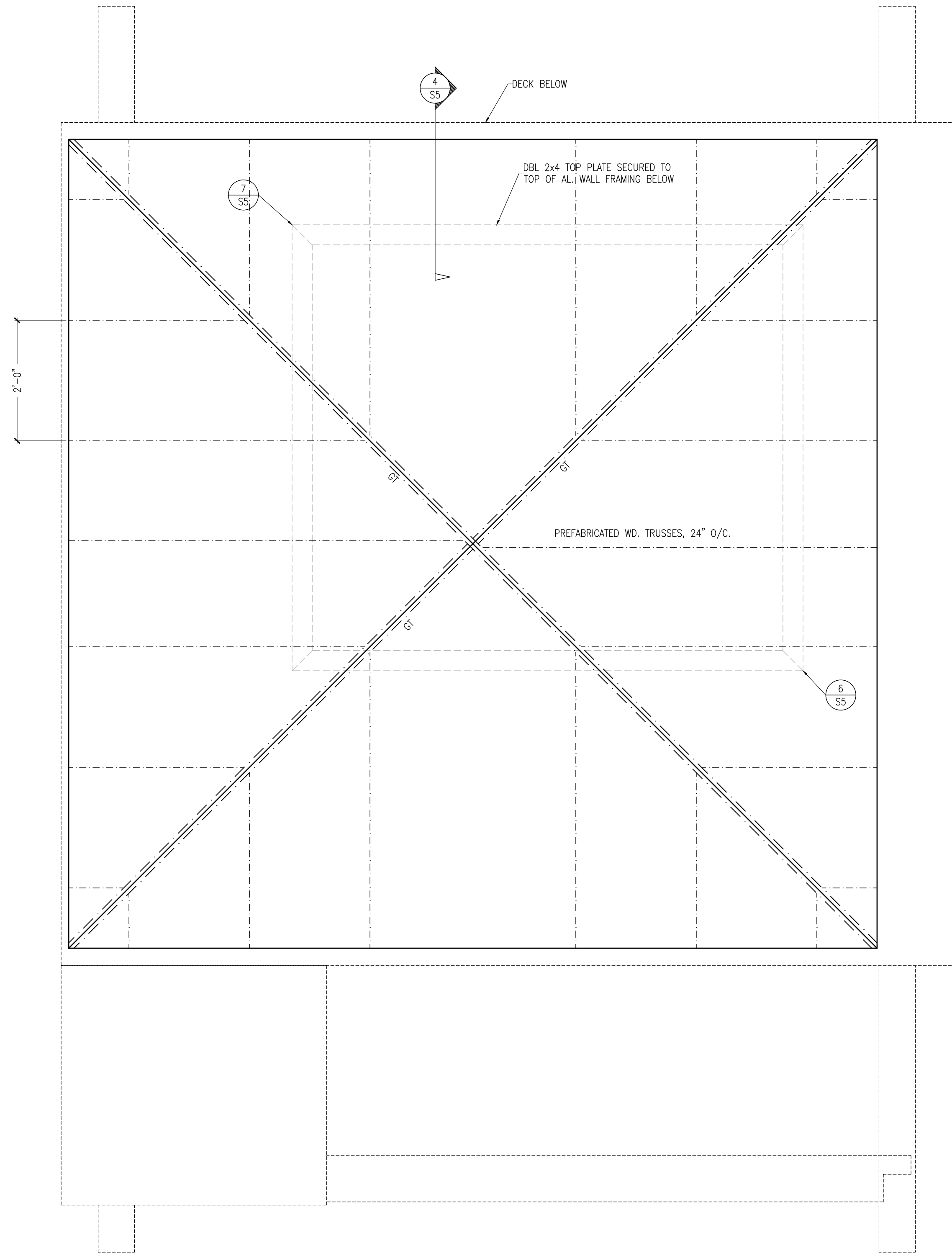
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SCALE 1/4"=1'-0"
DATE 4/18/2018
RVD. BY G.McD.
DRWN. BY R.L.

REVISION

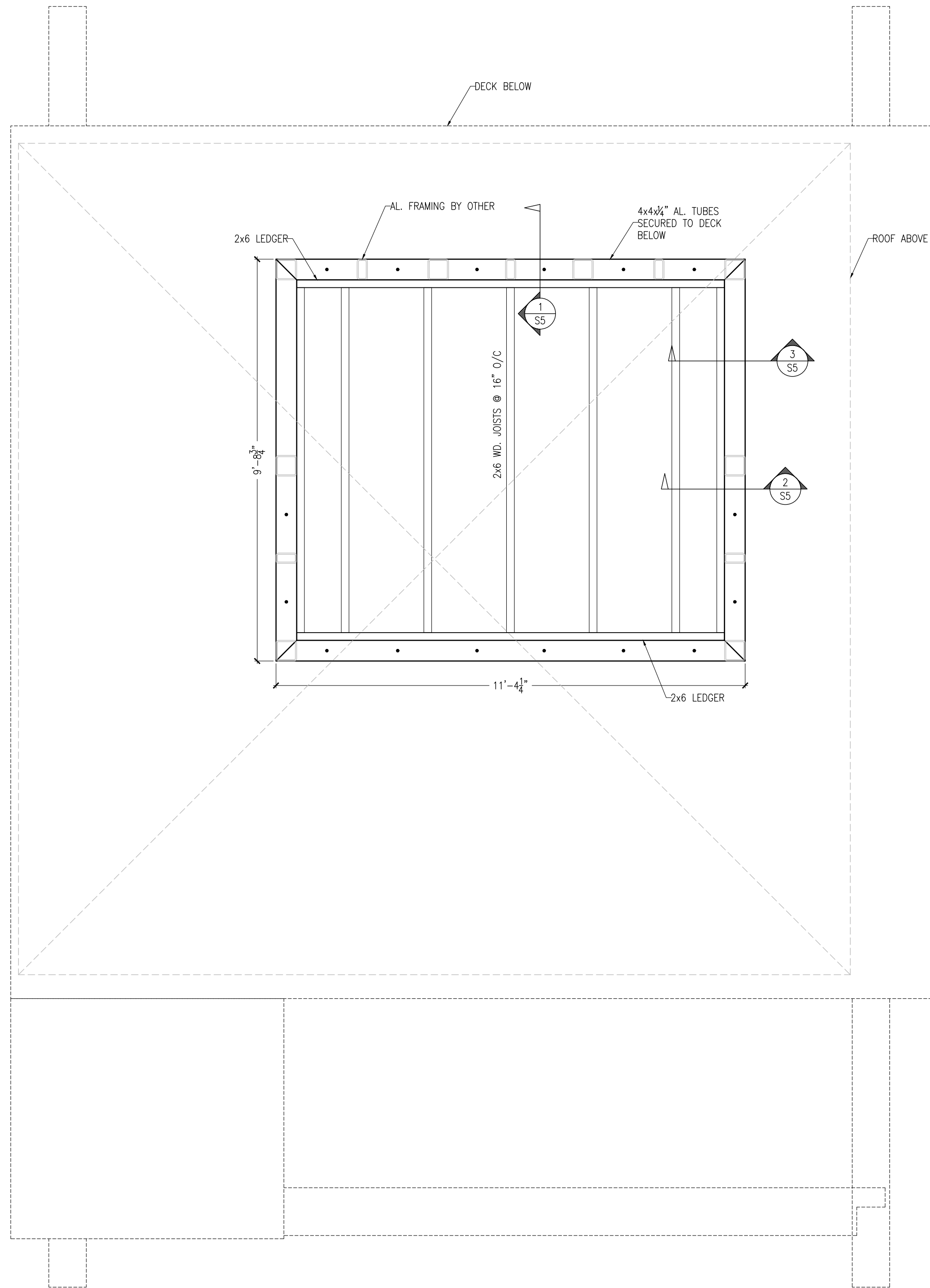
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SHEET # OF
S3 5



UPPER CABIN ROOF FRAMING
SCALE: 3/4" = 1'-0"



UPPER CABIN FLOOR FRAMING
SCALE: 3/4" = 1'-0"

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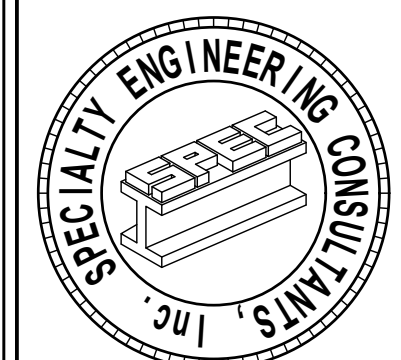
UPPER CABIN
FRAMING

PROJECT INFORMATION

LIFEGUARD TOWER
POMPANO BEACH, FL

CLIENT INFORMATION

DK ARCHITECTS
24 NE 24th AVENUE, #1
POMPANO BEACH, FL 33062



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REVISION	0
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SEAL
D. MARK LeBLANC, PE FL #35683
GARY McDOUGLE, E FL #56214
D. ADAM LeBLANC, PE FL #77012

SHEET #	OF
54	5

STRUCTURAL NOTES

GENERAL NOTES:

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT ARCHITECTURAL DRAWINGS FOR SLEEVES, DEPRESSIONS, AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS. APPLICABLE BUILDING CODE STANDARDS: FBC 2017, 6th EDITION ACI 318-14, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 530-13/ASCE 5-13, AISI SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS 2011, ASCE 7-10 AND AISI SPECIFICATIONS ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. DO NOT SCALE THE DRAWINGS. FOLLOW WRITTEN DIMENSIONS ONLY. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED PART OF THE WORK.

THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCES TO INSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS WORK INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS.

THE CONTRACTOR SHALL SUPPLEMENT THE MINIMUM REQUIRED FOUNDATION AND SITE PREPARATION REQUIREMENTS AND SLAB-ON-GRADE THICKNESS TO HANDLE CONSTRUCTION LOADS.

DESIGN LOADS: ROOF: LIVE LOAD 30 psf FLOOR: LIVE LOAD 40 psf DEAD LOAD 25 psf DEAD LOAD 25 psf

WIND: DESIGN WIND SPEED = 110 mph (76.0 m/s) 3-SECOND GUST (ASCE 7-10 (FBC 2017) EXPOSURE D, RISK CATEGORY II)

SHOP DRAWING REVIEW: SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, ETC.

ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. DRAWINGS SUBMITTED WITHOUT REVIEW WILL BE RETURNED UNCHECKED. SHOP DRAWINGS IN THE FORM OF REPRODUCIBLE SEPIAS OF STRUCTURAL DRAWINGS (CONTRACT DOCUMENTS) ARE PROHIBITED WITHOUT THE EXPRESS WRITTEN PERMISSION FROM THE ENGINEER.

IN ALL INSTANCES, THE CONTRACT DOCUMENTS WILL GOVERN OVER THE SHOP DRAWINGS CHECKED, UNLESS OTHERWISE SPECIFIED IN WRITING BY THE ENGINEER.

EXCLUSIONS FROM THESE PLANS

WATERPROOFING, FLASHING, SOUND ISOLATION, FIRE SEPARATION, OR OTHER NON-STRUCTURAL ITEMS ARE NOT PART OF THESE PLANS AS THEY ARE NOT CONSIDERED TO BE STRUCTURAL. DEPENDING ON THE TYPE OF CONSTRUCTION THESE ITEMS SOME OR ALL MAY BE REQUIRED BUT ARE BY OTHERS.

WOOD TRUSSES

TO BE DESIGNED AND FABRICATED IN ACCORDANCE WITH THE "NATIONAL DESIGN SPECIFICATIONS FOR STRESS-GRADE LUMBER AND ITS FASTENINGS" BY THE NFPA. TRUSS DESIGNS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN FLORIDA. SEE NOTES FOR SHOP DRAWINGS.

CONNECTOR PLATES SHALL BE A MINIMUM THICKNESS OF 0.036" AND BE MANUFACTURED FROM STEEL MEETING THE REQUIREMENTS OF ASTM A446, GRADE A, AND SHALL BE HOT-DIPPED GALVANIZED.

HANDLING, ERECTION AND BRACING OF TRUSSES SHALL BE IN ACCORDANCE WITH TRUSS PLATE INSTITUTE RECOMMENDATIONS TPI's TPI/WICA BCSI 1.

HURRICANE STRAPS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

CONTRACTOR SHALL SUBMIT SIGNED AND SEALED DRAWINGS OF ALTERNATE CONNECTION DETAILS AT TRUSSES/GIRDERS TO COLUMNS AND WALLS FOR APPROVAL.

THE LOCATIONS OF GIRDERS AND TRUSSES SHOWN ON THE ROOF FRAMING PLAN WERE USED TO FACILITATE DESIGN OF FOUNDATIONS, WALLS, AND BEAMS. THE CONTRACTOR SHALL SUBMIT TRUSS SHOP DRAWINGS FOR REVIEW BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO FABRICATION. THE TRUSS FABRICATOR SHALL PROVIDE ENGINEERED SHOP DRAWINGS OF EACH INDIVIDUAL TRUSS AND A FULLY DIMENSIONED ERECTION PLAN SHOWING COMPONENT LAYOUT. SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL ENGINEER.

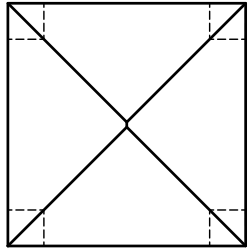
THE HURRICANE STRAPS SPECIFIED ON THE WALL SECTIONS AND PLANS ARE PROVIDED TO FACILITATE THE CONSTRUCTION SCHEDULE, AND MAY CHANGE PREDICATED ON THE TRUSS AND GIRDER REACTIONS PROVIDED BY THE TRUSS ENGINEER.

THE TRUSS TO STRUCTURE CONNECTIONS AND LOADS SPECIFIED ON THIS PLAN SHALL SUPERCEDE THOSE OF THE DELEGATED TRUSS ENGINEER. WIND UPLIFT VALUES HAVE BEEN BASED ON ASCE 7-10 COMPONENT AND CLADDING WIND LOAD PRESSURES. THE DELEGATED TRUSS ENGINEER SHALL BE RESPONSIBLE FOR ALL TRUSS TO TRUSS CONNECTIONS.

WOOD

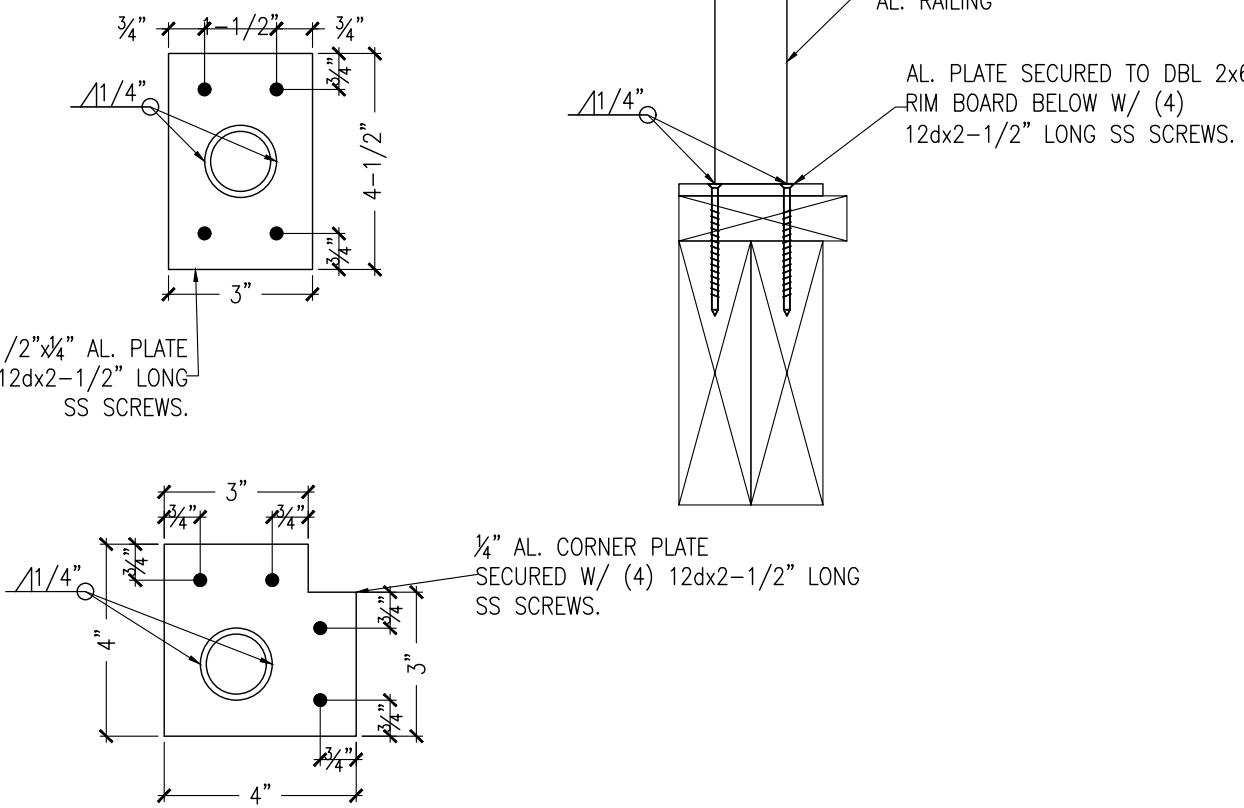
ALL WOOD FOR BEAMS, BEARING WALLS, SOLE PLATES, TOP PLATES, BLOCKING, BRACING, LEDGERS CRIPPLES, SILLS, ETC., SHALL BE SOUTHERN PINE NO. 2, KD-15, OR BETTER. Fb = 1100 PSI. ALL WOOD IN CONTACT WITH CONCRETE OR CONCRETE BLOCK SHALL BE PRESSURE TREATED. WOOD FOR NON-STRUCTURAL USES SHALL BE RATED TO RETENTION LEVELS OF 0.25 PCF OF A BORATE PRESERVATIVE TREATMENT: DISODIUM OCTOBORATE TETRAHYDRATE (DOT). WOOD FOR STRUCTURAL USE THAT SHALL BE TREATED FOR ANY REASON SHALL BE RATED TO RETENTION LEVELS OF 0.42 PCF OF DOT OR MORE. NAILS, SPIKE, BOLTS USED W/ DOT SHALL BE HOT DIPPED GALV. FOR STRUCTURAL USES, AVOID BUYING TREATED LUMBER THAT CONTAINS MORE THAN 1/2" OF HEARTWOOD.

ROOF WIND DESIGN PRESSURES
NET (GROSS) ASCE 7-10
ZONE 1 = 18.04 PSF (13.04)
ZONE 2 = 29.95 PSF (24.95)
ZONE 3 = 44.91 PSF (39.91)
g = 3'-0", END ZONE DISTANCE
BASIC WIND SPEED: 110 mph (49.2 m/s)
WIND EXPOSURE: 'D'
RISK CATEGORY I
APPLICABLE INTERNAL PRESSURE COEFFICIENT: ± 0.18
ENCLOSED STRUCTURE

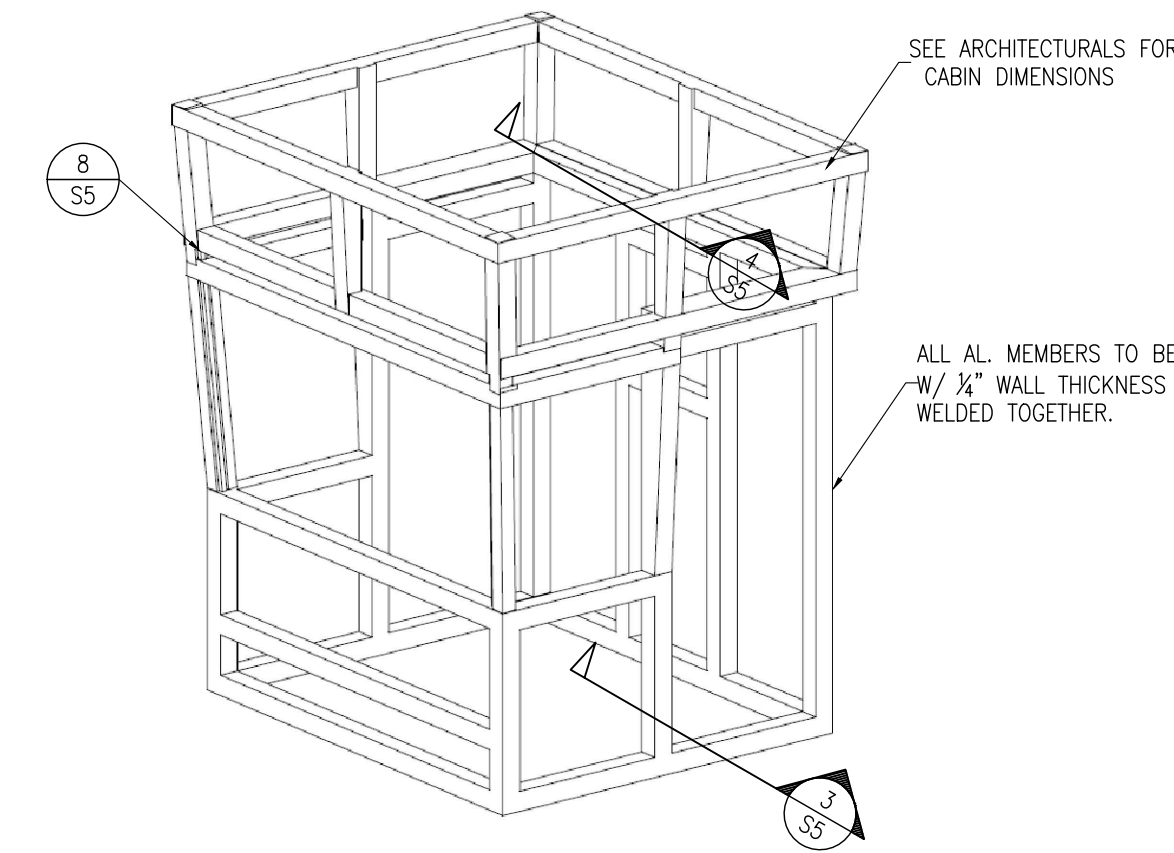


INSPECTOR NOTE
CONSULT ENGINEER BEFORE MOVING
STRUCTURE IN THE EVENT OF A
HURRICANE.

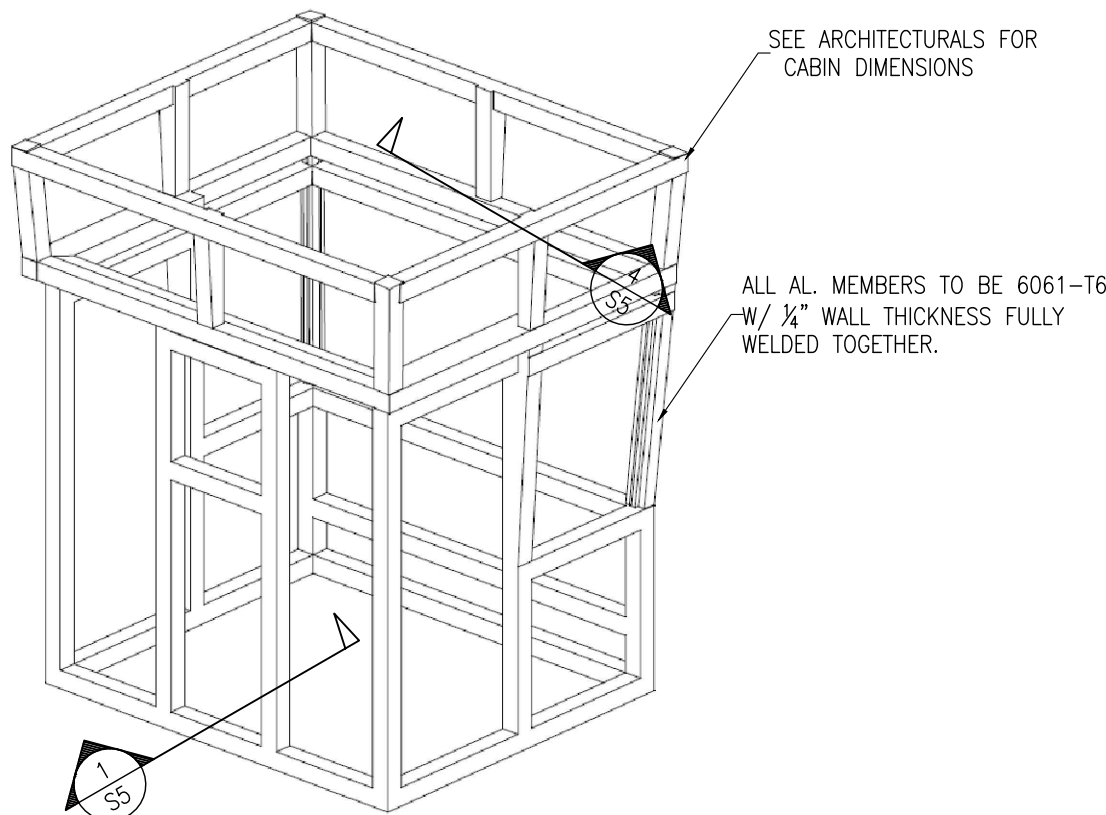
NOTE:
PROVIDE 2x BLOCKING WHERE RAILING ATTACHES
TO CEDAR PLANK SIDING AT STUDS



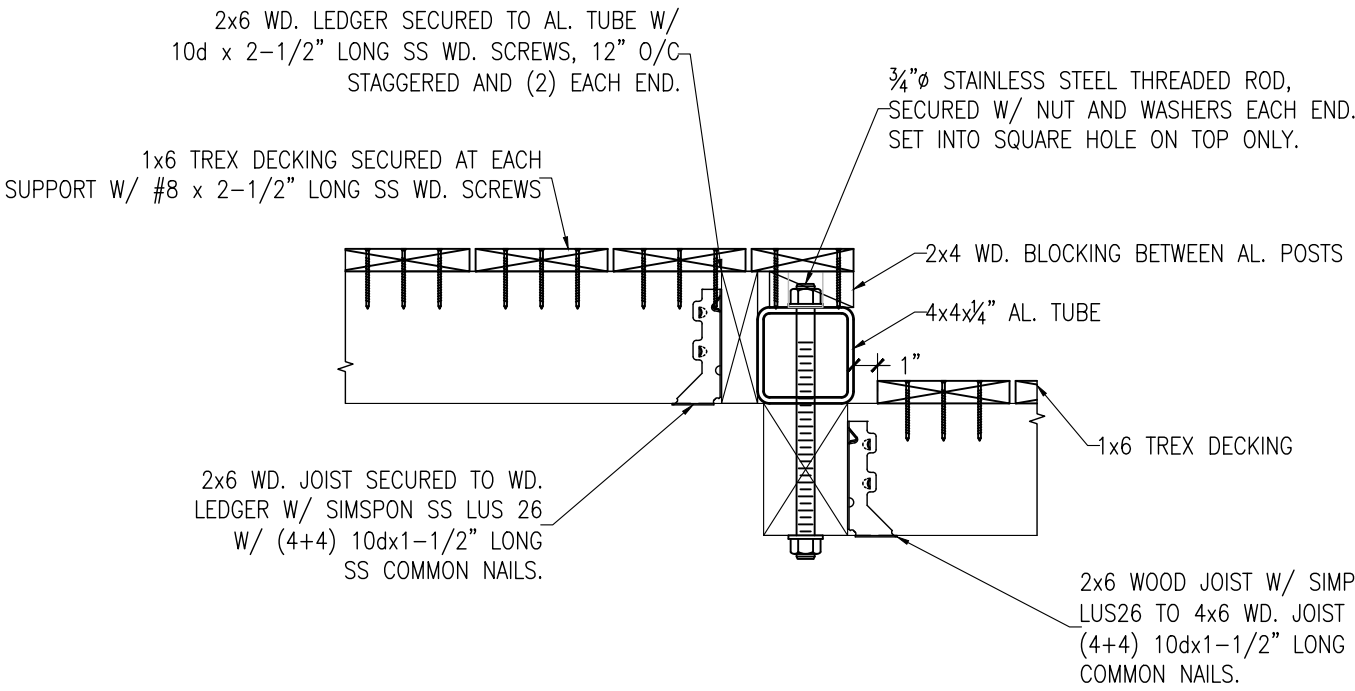
5 RAILING ATTACHMENTS
SCALE: 3" = 1'-0"



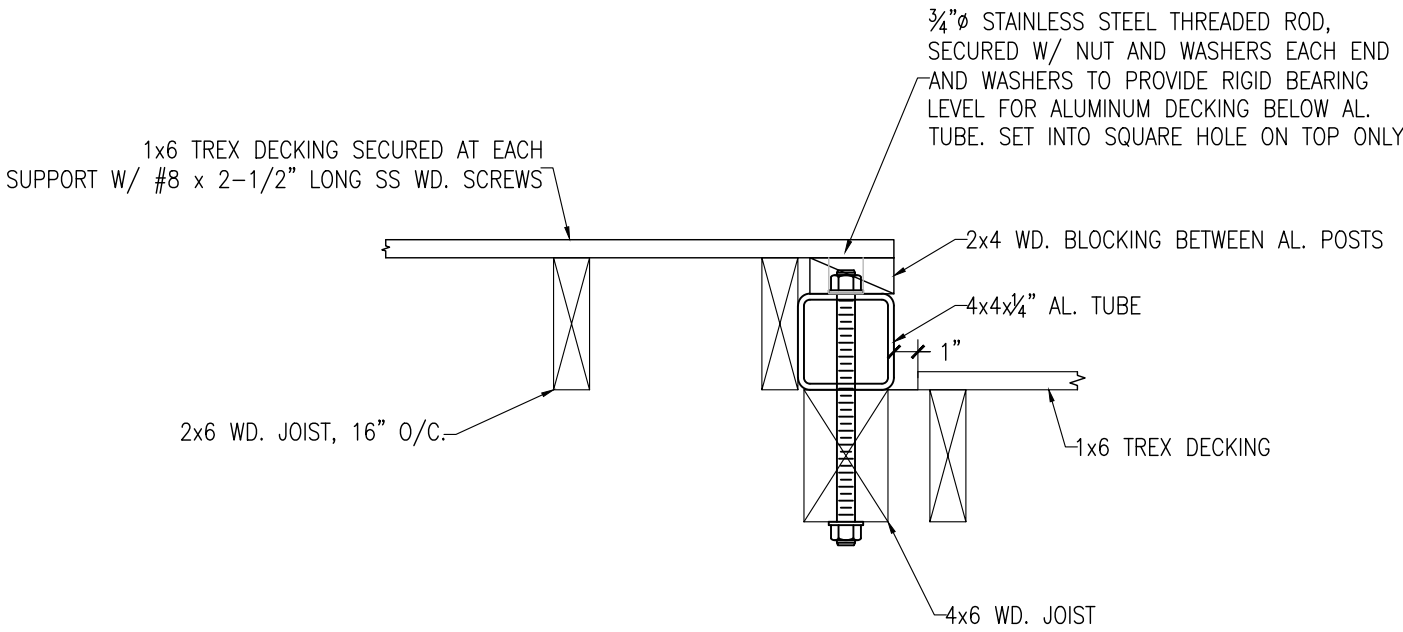
6 CABIN AL. FRAMING (LOOKING @ NORTHEAST CORNER)
SCALE: 1/8" = 1'-0"



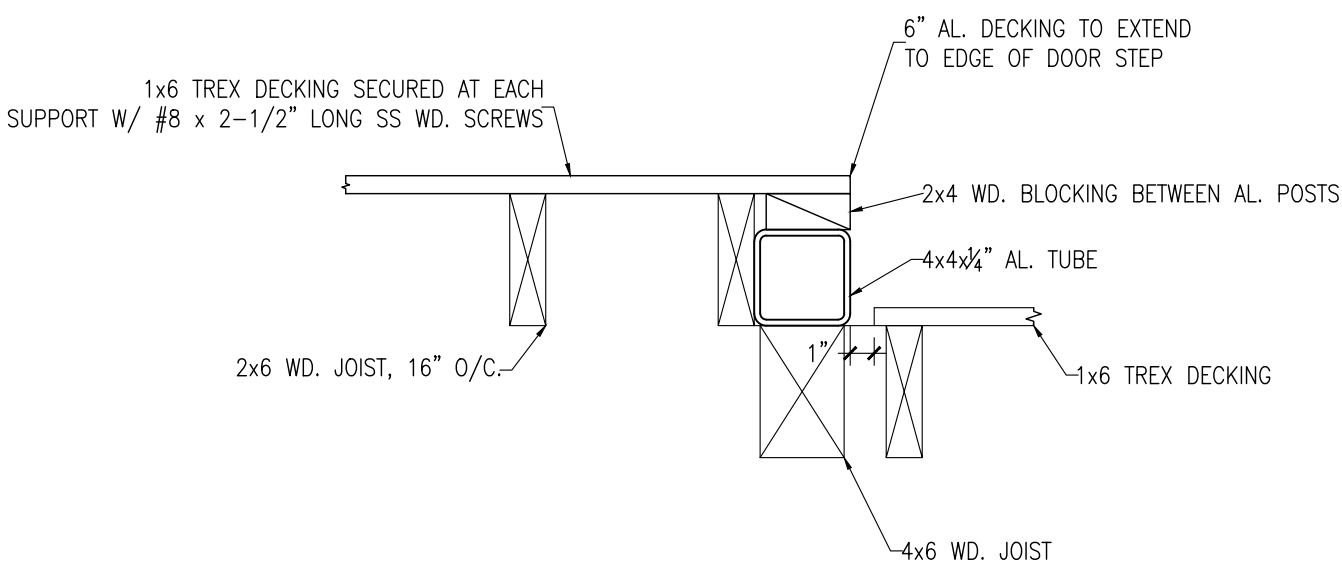
7 CABIN AL. FRAMING (LOOKING @ SOUTHWEST CORNER)
SCALE: 1/8" = 1'-0"



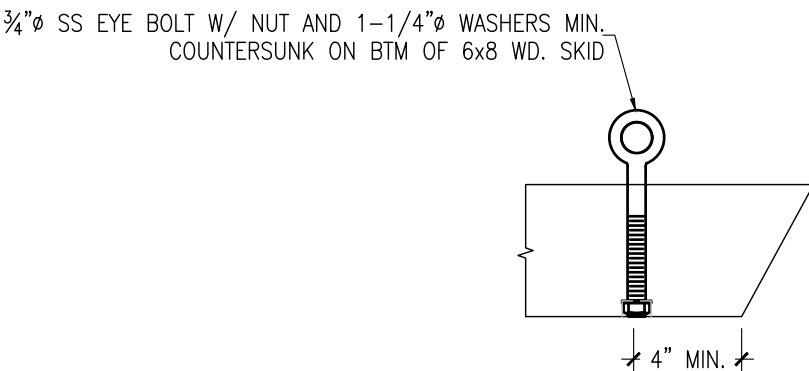
1 BASE OF UPPER CABIN FRAMING
SCALE: 1-1/2" = 1'-0"



2 BASE OF UPPER CABIN FRAMING
SCALE: 1-1/2" = 1'-0"

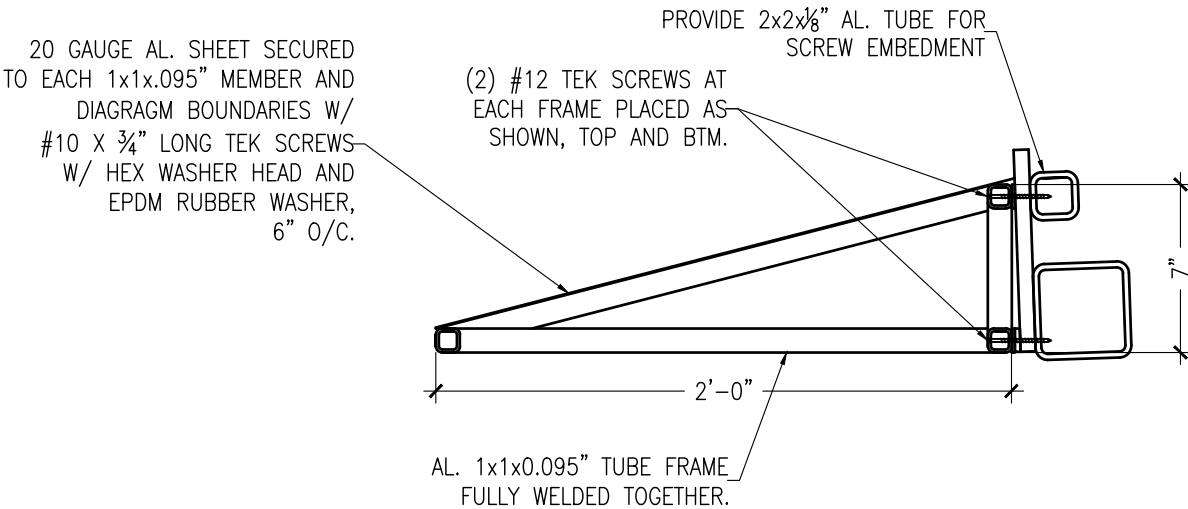


3 SECTION @ DOOR STEP
SCALE: 1-1/2" = 1'-0"

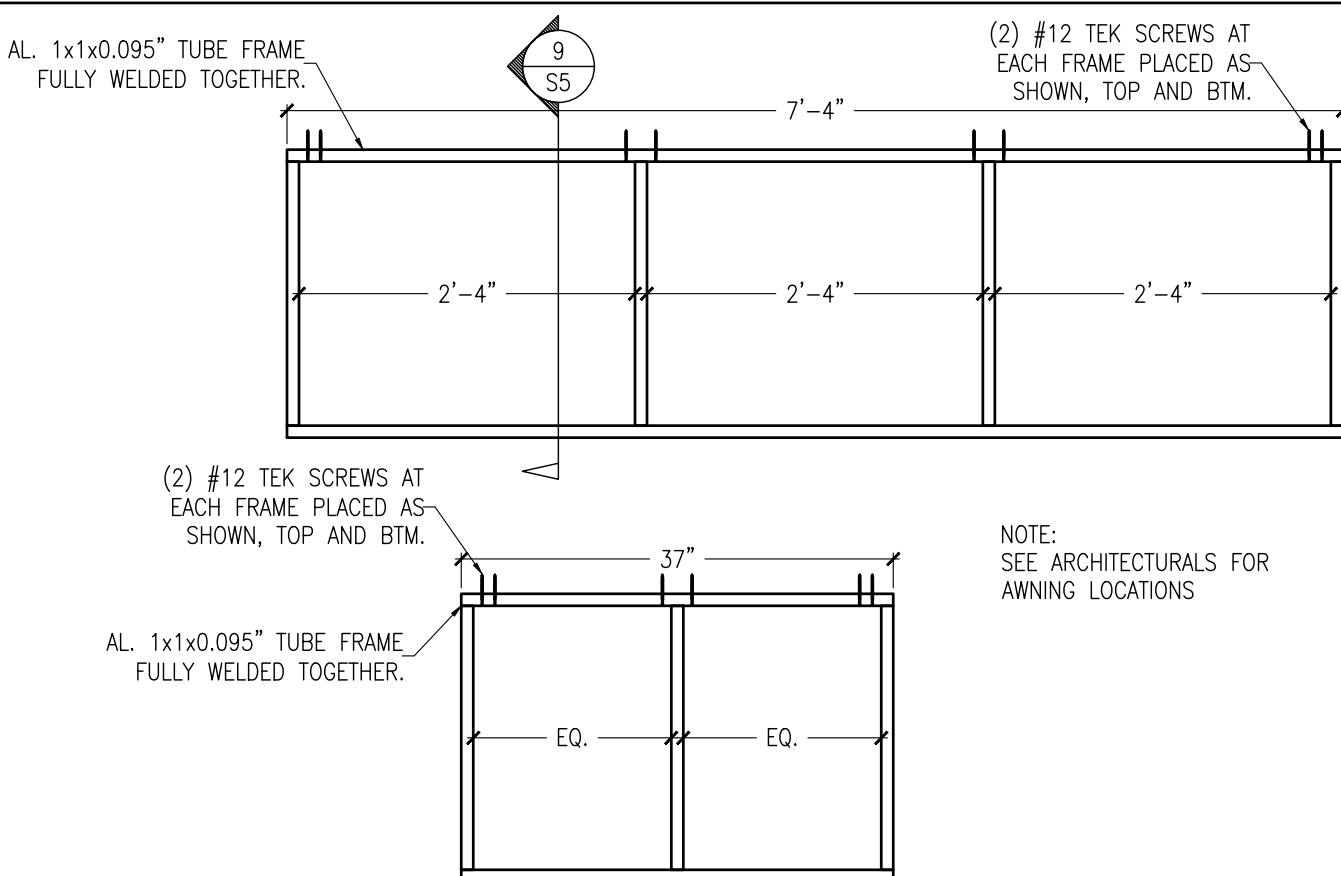


10 ATTACHMENT POINTS FOR MOVING STRUCTURE
SCALE: 1-1/2" = 1'-0"

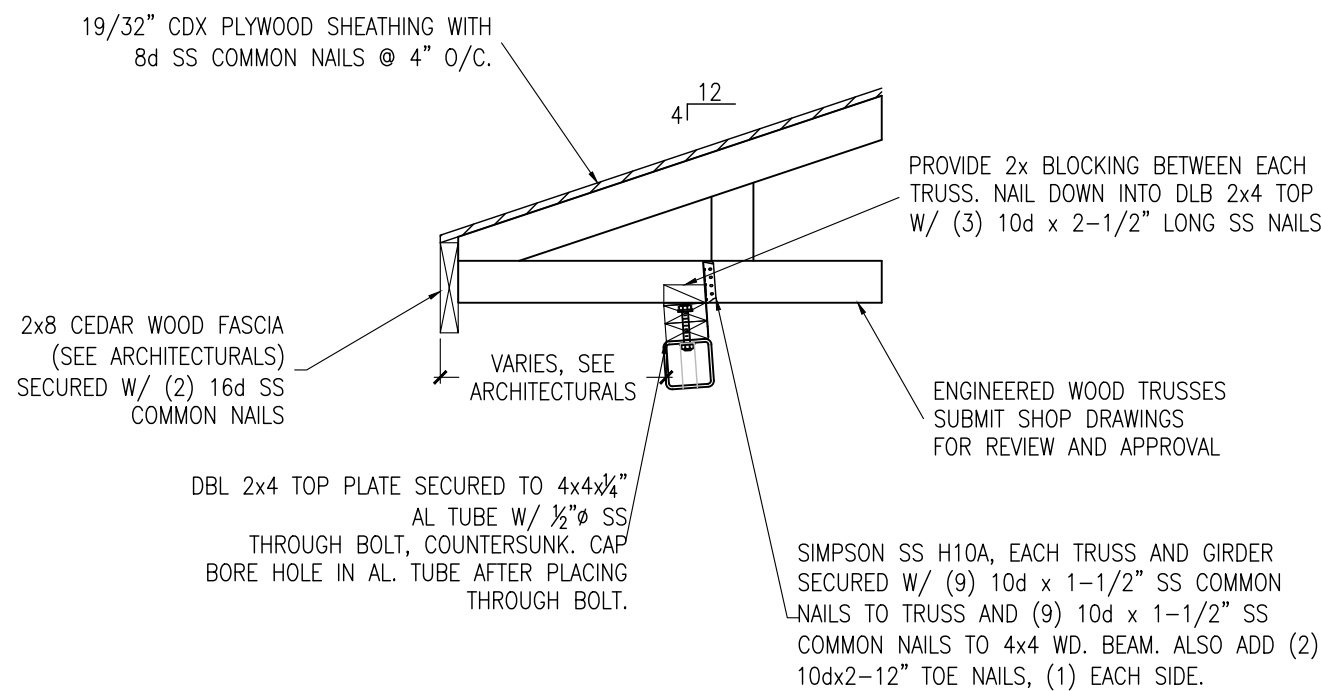
NOTE:
ALL TEK SCREWS TO HAVE HEX WASHER
W/ EPDM RUBBER WASHER.



9 AWNING ATTACHMENT
SCALE: 1-1/2" = 1'-0"



8 AWNING FRAMING
SCALE: 3/4" = 1'-0"



4 WD. TRUSS TO TOP PLATE CONNECTION
SCALE: 3/4" = 1'-0"

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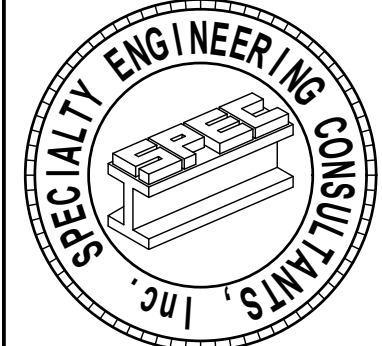
DETAILS
AND GENERAL NOTES

PROJECT INFORMATION

LIFEGUARD TOWER
POMPANO BEACH, FL

CLIENT INFORMATION

DK ARCHITECTS
24 NE 24th AVENUE, #1
POMPANO BEACH, FL 33062



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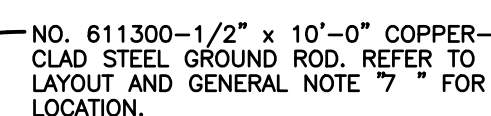
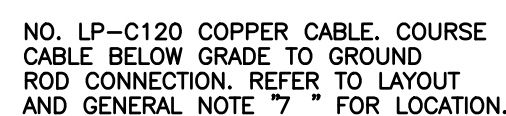
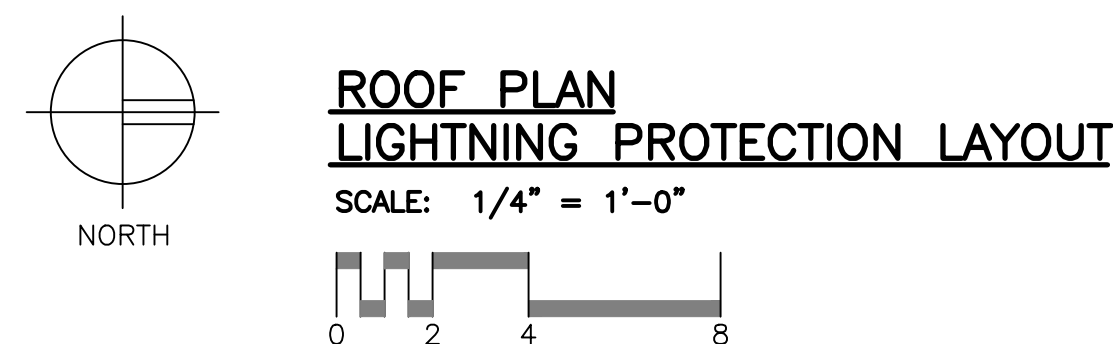
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S5 5



GENERAL INSTALLATION NOTES	
1	CURRENT U.L. LISTED TVSS/SPD ARE REQUIRED ON ALL SERVICE ENTRANCES AND SHALL BE FURNISHED AND INSTALLED BY OTHERS.
2	TELEPHONE AND/OR ELECTRICAL SERVICE ENTRANCE GROUNDS SHALL BE INTERCONNECTED TO ONE LIGHTNING PROTECTION GROUND OR WATER PIPE.
3	METAL BODIES OF INDUCANCE LOCATED ABOVE THE ROOF SUCH AS: METAL FLASHING, GRAVEL STOPS, ROOF DRAINS, SOIL PIPE VENTS, INSULATION VENTS, LOUVERS AND DOOR FRAMES SITUATED WITHIN 6'-0" OF A LIGHTNING CONDUCTOR OR BONDED METAL BODY SHALL BE INTERCONNECTED TO THE LIGHTNING CONDUCTOR SYSTEM.
4	NO BEND OF A CONDUCTOR SHALL FORM A FINAL INCLUDED ANGLE OF LESS THAN 90° NOR SHALL HAVE A RADIUS OF BEND OF LESS THAN 2'-0".
5	CONDUCTORS SHALL INTERCONNECT ALL AIR TERMINALS AND SHALL FORM A TWO-WAY PATH FROM EACH AIR TERMINAL HORIZONTALLY OR DOWNWARD TO CONNECTIONS WITH GROUND TERMINALS.
6	ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED NOT MORE THAN 3'-0" MAXIMUM SPACING.
7	GROUND RODS SHALL BE DRIVEN TO A MINIMUM DEPTH OF 10'-0" BELOW GRADE AND 2'-0" AWAY FROM FOUNDATION WALL.
8	FOR SAKE OF CLARITY, WE HAVE NOT LABELED EACH INDIVIDUAL ITEM OF LIGHTNING PROTECTION MATERIALS ON THE ROOF PLAN. WE HAVE SHOWN INSTALLATION DETAILS AND HAVE CALLED OUT EACH OF THESE MATERIALS ON THE ROOF PLAN ONLY AT RANDOM LOCATIONS.
9	AIR TERMINALS SHALL BE PLACED AT ALL UNPROTECTED OUTSIDE CORNERS AND LOCATED INTERMEDIATELY ON 20'-0" MAXIMUM SPACING AROUND THE ROOF PERIMETER OR RIDGE AND WITHIN 2'-0" OF OUTSIDE EDGE.
10	BOND ALL METALLIC PIPES INCLUDING WATER, FIRE, GAS, SEWER, STORM, ETC. WHICH ENTER THE STRUCTURE TO THE NEAREST DOWNHEAD, GROUND ROD OR GROUND LOOP.
11	BARE COPPER LIGHTNING PROTECTION MATERIALS SHALL NOT BE INSTALLED ON ALUMINUM ROOF OR SIDING. OTHER ALUMINUM SURFACES AROUND THE ROOF PERIMETER AND LIGHTNING PROTECTION MATERIALS SHALL NOT BE INSTALLED ON COPPER ROOFING OR COPPER SIDING OR OTHER COPPER SURFACES.
12	THE LIGHTNING PROTECTION SYSTEM SHALL BE INSTALLED IN A PATTERN AND INCONSPICUOUS MANNER SO THAT ALL COMPONENTS WILL BLENDE IN WITH THE APPEARANCE OF THE BUILDING.
13	ACTUAL JOB-SITE CONDITIONS MAY NECESSITATE SLIGHT ALTERATIONS IN AIR TERMINAL AND GROUND ROD LOCATIONS.
14	MIDROOF AIR TERMINALS SHALL BE PLACED ON 50'-0" MAXIMUM SPACING.
15	IF REQUIRED, ANY SACRIFICIAL ROOFING PADS, SHALL BE FURNISHED AND INSTALLED BY THE ROOFING CONTRACTOR.
16	ALL ADHESIVE TYPE FITTINGS SHALL BE SET IN PLACE WITH AN APPLICATION OF UL 968 MASTER LABEL CERTIFICATE WHEN REQUIRED ON NON-BALUSTED ROOF.
17	ALL CONDUIT, CONDUIT FASTENERS AND MISCELLANEOUS ACCESSORIES SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
18	THE DESIGN LAYOUT AND INSTALLATION DETAILS SHOWN HEREON SHALL MEET THE REQUIREMENTS OF NATIONAL FIRE PROTECTION ASSOCIATION STANDARD #780, CURRENT EDITION WHEN REQUIRED BY SPECIFICATION.
19	THE DESIGN LAYOUT AND INSTALLATION DETAILS SHOWN HEREON SHALL MEET THE REQUIREMENTS OF UNDERWRITERS ASSOCIATES STANDARD #96A, CURRENT EDITION WHEN REQUIRED BY SPECIFICATION.
20	THE LIGHTNING PROTECTION INSTALLATION SHALL COMPLY IN ALL RESPECTS TO THE LIGHTNING PROTECTION INSTITUTE STANDARD 175 WHEN REQUIRED BY SPECIFICATION. THE INSTALLATION SHALL BE DONE BY OR UNDER THE SUPERVISION OF AN L.P.I. MASTER INSTALLER DESIGNER.
21	THE DESIGN LAYOUT AND INSTALLATION SHOWN HEREON SHALL RECEIVE AN LP 175 CERTIFICATION FROM THE LP-I-IP (INSPECTION PROGRAM) OR UL 968 MASTER LABEL CERTIFICATE WHEN REQUIRED BY SPECIFICATION, UPON COMPLETION OF THE PROJECT.

LEGEND	
	AIR TERMINAL LOCATION
	GROUND ROD LOCATION
	NO. LP-C120 COPPER CABLE, U.L. LABELED, 29 ST., 17 GA., 192 LBS./1,000 FT., 59,450 CM. (#2 AWG).
	NO. LP-C120 COPPER CABLE, U.L. LABELED, SAME SPECS AS ABOVE, COURSE CABLE CONCEALED FROM VIEW SHOWN.

EVALUATION:



LIGHTNING PROTECTION SYSTEM

PROJECT:
LIFEGUARD TOWER

100 EST ATLANTIC BLVD
POMPANO BEACH, FLORIDA 33060

INSTALLER & DESIGNER:
BONDED
LIGHTNING PROTECTION
LIGHTNING PROTECTION SYSTEMS, INC.
INSTALLING MEMBER OF THE LIGHTNING PROTECTION INSTITUTE
PHONE: 561-746-4336 FAX: 561-747-8233
2080 W. INDIANTOWN ROAD SUITE 100 JUPITER, FLORIDA 33456
333 N. FALKENBURG ROAD UNIT D-401 TAMPA, FLORIDA 33619

JOB NO.	MANUFACTURER
BL-18042	 ERITECH LIGHTNING PROTECTION PRODUCTS L.P.I. - MEMBER- U.L.P.A. PHONE: 1-800-677-9089 EMAIL: mail@bondedlightning.com 34600 SOLON ROAD, SOLON OHIO 44139
DWN. BY	

BDM	
CHK. BY	
PCD	

DATE:	
1-22-18	

1-22-10
SCALE

AS SHOWN	
DATE	

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NO.	DATE:	DESCRIPTION	BY
REVISIONS			