

MORTON BUILDINGS GENERAL SPECIFICATIONS

LAMINATED COLUMNS - NO. 1 OR BETTER SOUTHERN YELLOW PINE NAIL LAMINATED 3 MEMBER S4S COLUMNS NAILED 8" O.C. STAGGERED ON EACH SIDE WITH 4" NAILS.

ANCHORED ON CONCRETE - COLUMNS ARE ATTACHED TO CONCRETE BY USE OF 1/2" H.R. STEEL COLUMN SOCKETS. EACH SOCKET IS FASTENED TO THE CONCRETE BY TWO 1/2" DIA. x 8" PLATED ANCHOR BOLTS AND COLUMN IS FASTENED TO SOCKET BY (4) 1/2"x6" M. BOLTS & (8)20d R.S. NAILS.

TREATED LUMBER - PRESSURE PRESERVATIVE TREATED LUMBER OTHER THAN LAMINATED COLUMNS ARE NO. 1 OR BETTER SOUTHERN YELLOW PINE AND CENTER MATCHED OR NOTCHED AND GROOVED, PRESSURE TREATED TO A NET RETENTION OF .4 POUNDS PER CUBIC FOOT WITH A CODE AND INDUSTRY APPROVED PRESERVATIVE TREATMENT IN ACCORDANCE WITH AWPA USE CATEGORY UC4A.

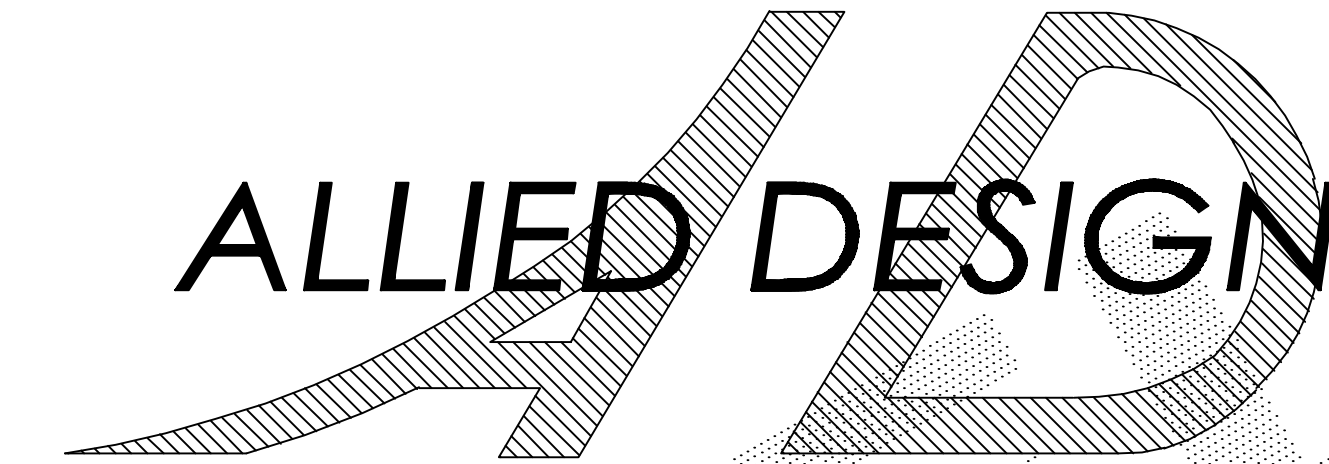
FRAMING LUMBER - SIDING NAILERS ARE 2x4 S4S OR 2x6 SPF NO. 2 OR BETTER SPACED APPROXIMATELY 36" O.C. WITH ALL JOINTS STAGGERED AT ATTACHMENT TO COLUMNS. ROOF PURLINS ARE 2x4 S4S NO. 2 OR BETTER ON EDGE SPACED APPROXIMATELY 24" O.C. ALL OTHER FRAMING LUMBER IS NO. 2 OR BETTER.

ROOF TRUSSES - FACTORY ASSEMBLED WITH 18 OR 20 GAUGE GALVANIZED STEEL TRUSS PLATES AS REQUIRED AND KILN DRIED LUMBER AS SPECIFIED, IN-PLANT QUALITY CONTROL INSPECTION IS CONDUCTED UNDER THE AUSPICES OF THE TPI INSPECTION BUREAU. TRUSSES ARE DESIGNED IN ACCORDANCE WITH CURRENT STANDARDS AND SPECIFICATIONS FOR THE STATED LOADING.

SIDING PANELS & ROOFING (KYNAR 500 / HYLAR 5000) - 0.019" MIN., G90 GALVANIZED OR AZ55 GALVALUME, WITH AN ADDITIONAL BAKED-ON KYNAR 500 / HYLAR 5000 FINISH WITH A NOMINAL 1 MIL. PAINT THICKNESS ON EXTERIOR.

TRIM - DIE-FORMED TRIM OF 0.017" MIN., G90 GALVANIZED OR AZ55 GALVALUME STEEL ON GABLES, RIDGES, CORNERS, BASE WINDOWS, AND DOORS WITH SAME FINISH AS ROOFING OR SIDING PANELS.

GUTTERS - 5" K-STYLE, .030 HIGH TENSILE ALUMINUM GUTTER, KYNAR 500 / HYLAR 5000 FINISH TO MATCH TRIM, ON BOTH SIDES OF THE BUILDING.
2x4WKK 10/09



SHEET INDEX	
SHEET#	DESCRIPTION
G1 OF G1	SPECIFICATIONS & SHEET INDEX
S1 OF S8	COLUMN PLAN
S2 OF S8	TRUSS PLAN & DETAILS
S3 OF S8	TRUSS DRAWING & PURLIN LAYOUT DETAILS
S4 OF S8	HIGH WIND ELEVATIONS
S5 OF S8	SECTIONS A & B & DETAIL
S6 OF S8	STITCHING DETAILS & HEADER SECTION C
S7 OF S8	SHEARWALL DETAILS & DETAILS
S8 OF S8	FASTENING SCHEDULES

BUILDING DESIGN CRITERIA	
BUILDING CODE	2003 IBC
USE GROUP	U
CONSTRUCTION TYPE	VB
FLOOR AREA	???? SQ FT
FLOOR LOAD	??? PSF
MEAN ROOF HEIGHT	??? FT
BUILDING CATEGORY	II
MINIMUM LIVE ROOF LOAD DESIGN	SEE NOTE #3
ROOF SNOW LOAD*	??? PSF
GROUND SNOW LOAD	??? PSF
WIND SPEED (V _{3s})	??? MPH
WIND IMPORTANCE FACTOR	1.0
EXPOSURE CATEGORY	B
INTERNAL PRESSURE COEFFICIENT	±0.18
BUILDING DESIGN CONDITION	ENCLOSED
PEAK HEIGHT	??? FT
BUILDING VOLUME	??? CU FT
WIND LOAD DESIGN	ASCE 7 METHOD 2
	ZONE 1E 00.0 PSF
	ZONE 2E 00.0 PSF
	ZONE 3E 00.0 PSF
	ZONE 4E 00.0 PSF
	ZONE 5E 00.0 PSF
	ZONE 6E 00.0 PSF
	ZONE 1 00.0 PSF
	ZONE 2 00.0 PSF
	ZONE 3 00.0 PSF
	ZONE 4 00.0 PSF
	ZONE 5 00.0 PSF
	ZONE 6 00.0 PSF
	ZONE 1 00.0, -00.0 PSF
	ZONE 2 00.0, -00.0 PSF
	ZONE 3 00.0, -00.0 PSF
	ZONE 4 00.0, -00.0 PSF
	ZONE 5 00.0, -00.0 PSF

*** ROOF SNOW LOAD CALCULATIONS**

$P_s = 0.7 \times C_e \times I \times P_g \times C_t \times C_s$
 $C_e =$ SNOW EXPOSURE FACTOR = 1.0
 $I =$ IMPORTANCE FACTOR = 1.0
 $P_g =$ GROUND SNOW LOAD = 15 PSF
 $C_t =$ THERMAL FACTOR = 1.2
 $C_s =$ ROOF SLOPE FACTOR = 0.94
 $P_s = 0.7 \times 1.0 \times 1.0 \times 15 \times 1.2 \times 0.94 = 11.84$ PSF

DESIGN AND EXPLANATORY NOTES

- SITE PLAN SHALL BE PROVIDED BY:
WOODARD & CURRAN
41 HUTCHINS DRIVE
PORTLAND, MAINE 04102
PHONE: 800-426-4262
www.woodardcurran.com
- MORTON BUILDINGS GENERAL SPECIFICATIONS APPLY UNLESS INDICATED DIFFERENTLY ON SPECIFIC JOB DRAWINGS OR SUPPLEMENTAL INFORMATION.
- MINIMUM LIVE ROOF LOAD DESIGNS FOR CONSTRUCTION, MAINTENANCE, REPAIR, AND OTHER TEMPORARY LOADS PER SECTION 1607.11.2
 - ROOF PURLINS AND OTHER SECONDARY STRUCTURAL MEMBERS = 20 PSF
 - ROOF TRUSSES, HEADERS, COLUMNS AND OTHER PRIMARY STRUCTURAL MEMBER = 18 PSF
 - FOOTINGS = 12 PSF (DESIGNED FOR ROOF SNOW LOAD AND OTHER NON-TEMPORARY LOADS W/ APPROVAL FROM BUILDING OFFICIAL.
- NO ONE MAY ALTER ANY ARCHITECTURAL OR ENGINEERING ITEM UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED / REGISTERED ARCHITECT OR LICENSED / REGISTERED ENGINEER .
- ◆ THE PRECEDING SYMBOL IDENTIFIES ITEMS THROUGHOUT THE PLANS THAT ARE NOT PROVIDED BY MORTON BUILDINGS, INC. OR MORTON BUILDINGS' SUBCONTRACTORS AND ARE THE OWNER'S RESPONSIBILITY.

TYPICAL LUMBER SPECIFICATIONS - 2005 NDS		
SIZE	DESCRIPTION	BENDING VALUE F _b
2x4	NO. 1 & 2 SPF	1313 PSI
2x4	2100F MSR SPF	2100 PSI
2x6	NO. 1 & 2 SPF	1138 PSI
2x6	NO. 1 SYP	1650 PSI
2x8	NO. 1 SYP	1500 PSI
2x10	NO. 1 SYP	1300 PSI
2x12	NO. 1 SYP	1250 PSI
ALL	1950F MSR SYP	1950 PSI
1 1/2"x16"	LAMINATED VENEER LUMBER	2800 PSI
3 1/2"x15"	GLU-LAM	1650 PSI
5 1/4"x16 1/2"	GLU-LAM	2400 PSI
5 1/4"x19 1/2"	GLU-LAM	2400 PSI

NOTE: HIGHER GRADE MATERIAL REQUIRED AS NOTED ON PLANS.

I HEREBY CERTIFY THAT THE STRUCTURAL DESIGN FOR THIS BUILDING WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED/REGISTERED PROFESSIONAL ENGINEER.

RONALD L. SUTTON, P.E.
MICHAEL L. MCCORMICK, P.E.
DATE: _____ REG.# _____

I HEREBY CERTIFY THAT THE ARCHITECTURAL DESIGN FOR THIS BUILDING WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED / REGISTERED ARCHITECT.

DONALD N. TIPPET , ARCHITECT
DATE: _____ REG.# _____

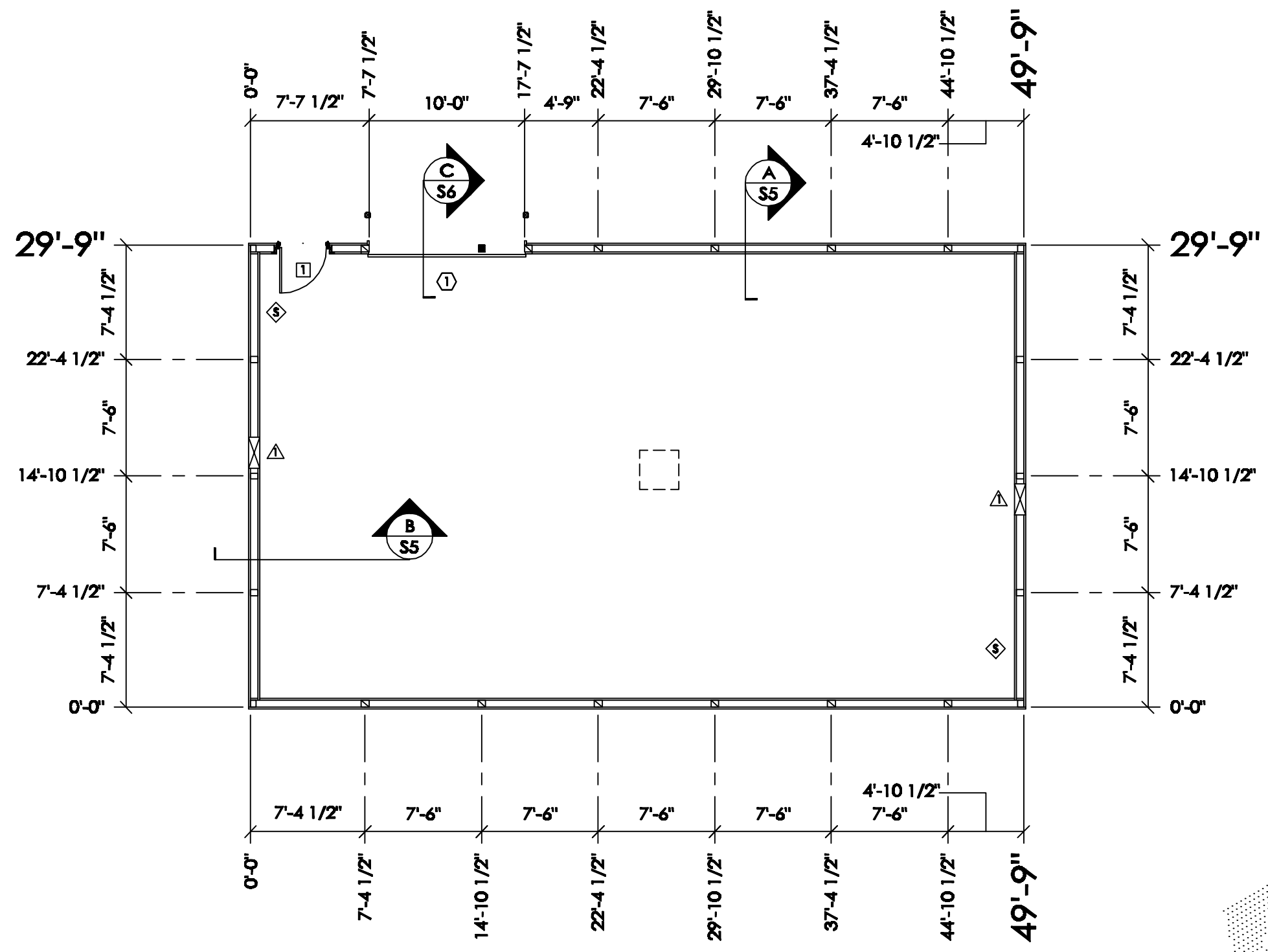
OFFICE:
MANCHESTER, NH
JOB NO.
118-2650

WATERFRONT MAINE
PORTLAND, ME
ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
PHONE NUMBER: 309-263-4105
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550

DRAWN BY:	875 DRF
DATE:	02/07/11
CHECKED BY:	---
DATE:	---
REVISED DATE:	---
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TARGET DATE:

SCALE: AS NOTED
SHEET NO.
G1 of G2



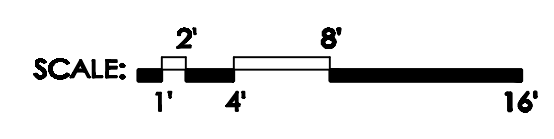
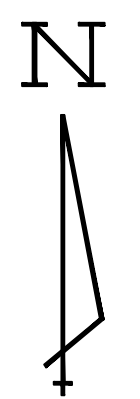
COLUMN PLAN

COLUMN PLAN LEGEND

- - 3-2x6 LAMINATED COLUMN LOCATION
- ▣ - 4-2x6 LAMINATED COLUMN LOCATION
- - HEADERED TRUSS LOCATION
- ① - 3068 PLAIN FLAT LEAF FIBERSTEEL WALKDOOR, IN SWING, LEFT HINGE, W/LEVER LOCKSET
- △ - (2) 2x2' OPENING W/ LOUVERS (1 W/ 800-1000 CFM FAN)
- ① - 10'-2" x 10'-1" OVERHEAD DOOR PREPARE FOR HI-LIFT TRACK, 4x4 JAMB PROTECTORS
- ALL STEEL FASTENED WITH STAINLESS STEEL SCREWS
- - 30"x30" ATTIC ACCESS PANEL (CONFIRM LOCATION)
- ◇ - 7/16" OSB SHEARWALL LOCATION (SEE DETAILS SHEET S7)

ROUGH OPENING SCHEDULE

UNIT SYMBOL FROM LEGEND	WIDTH	HEIGHT
①	38 1/4"	81"



PRELIMINARY

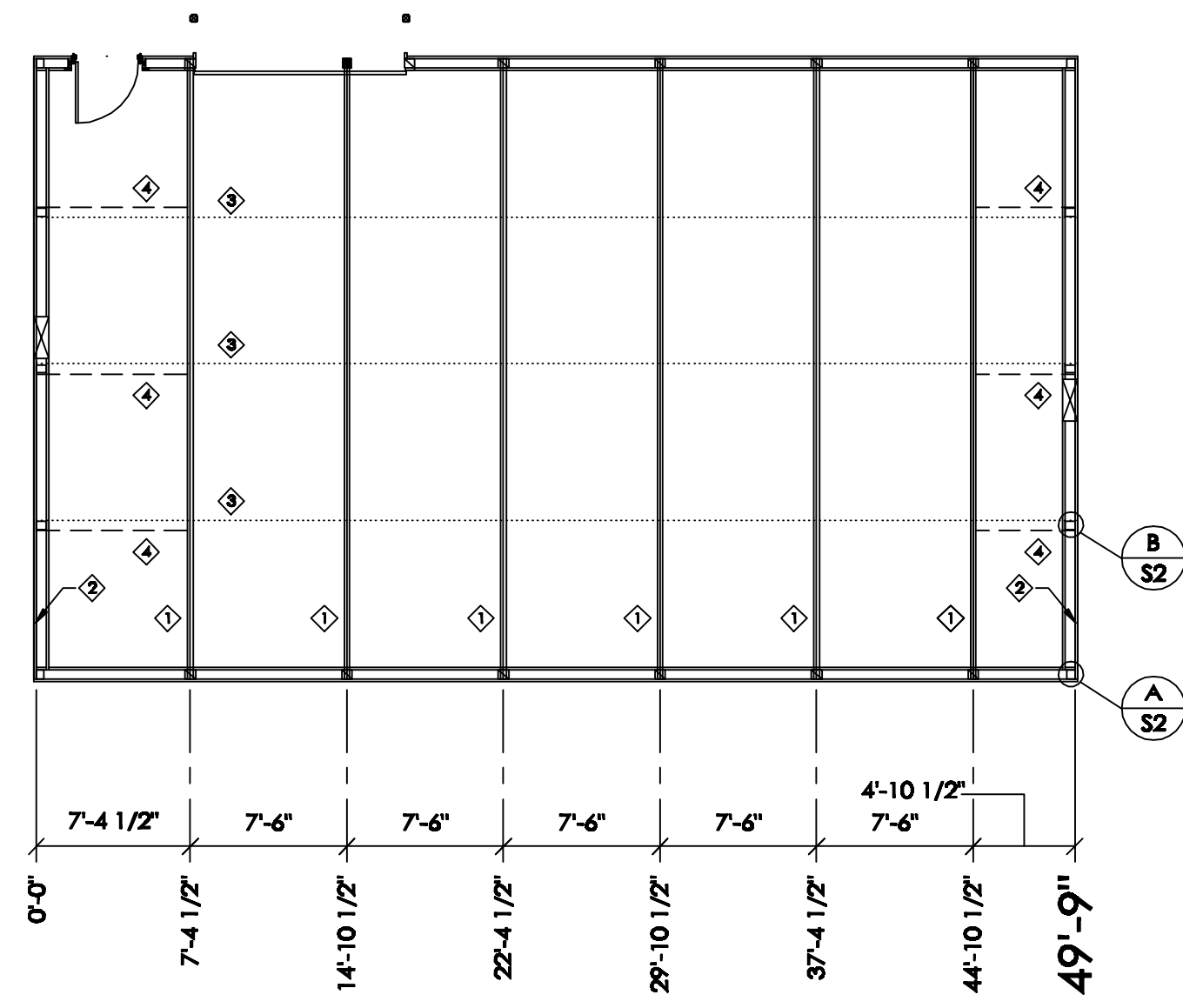
WATERFRONT MAINE
PORTLAND, ME

ME
ALLIED DESIGN ARCHITECTURAL & ENGINEERING GROUP, P.C.
100 S. PERSHING P.O. BOX 110 MORTON, IL 61550
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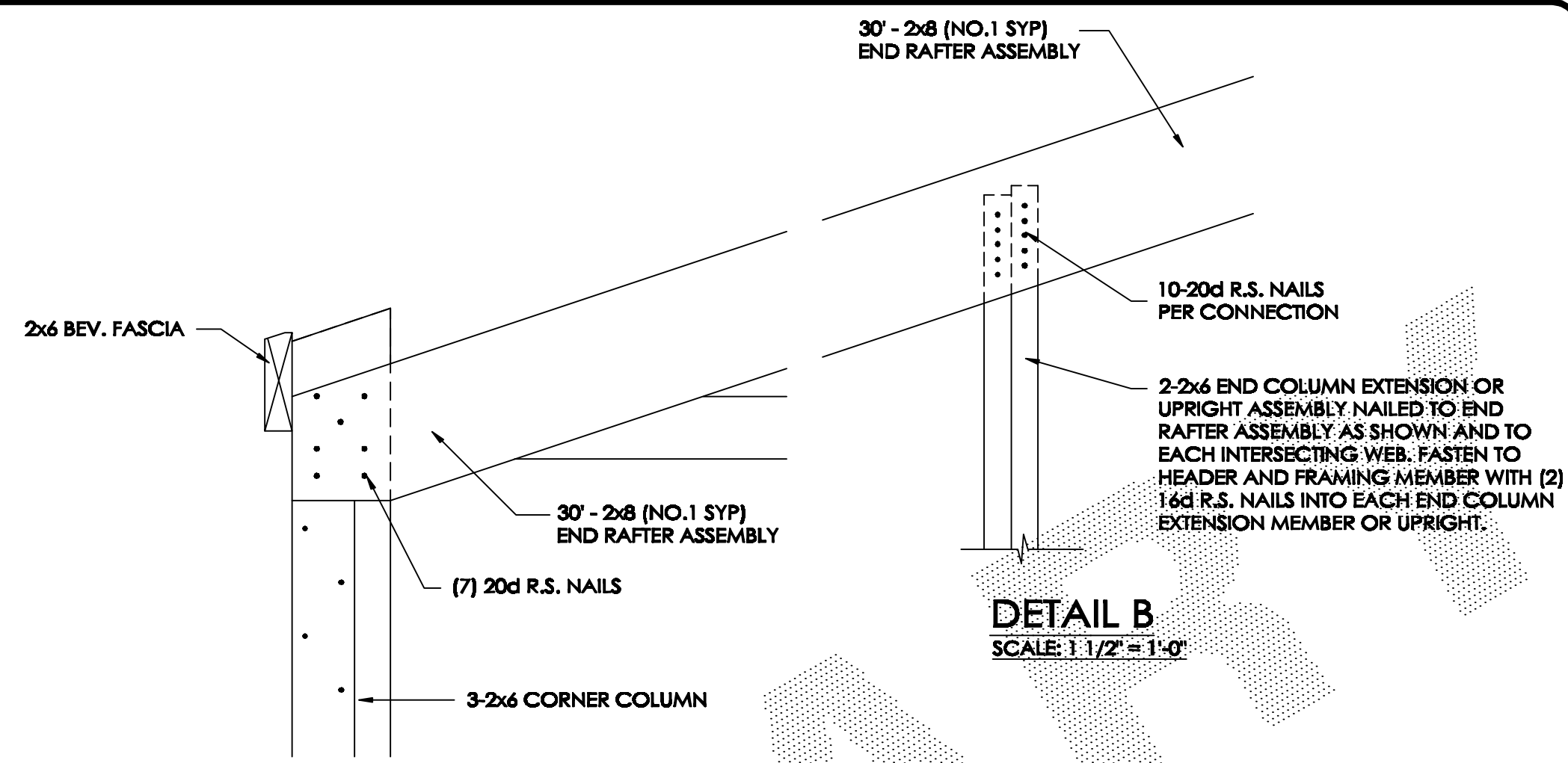
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S1 OF S8



TRUSS/BRACING PLAN

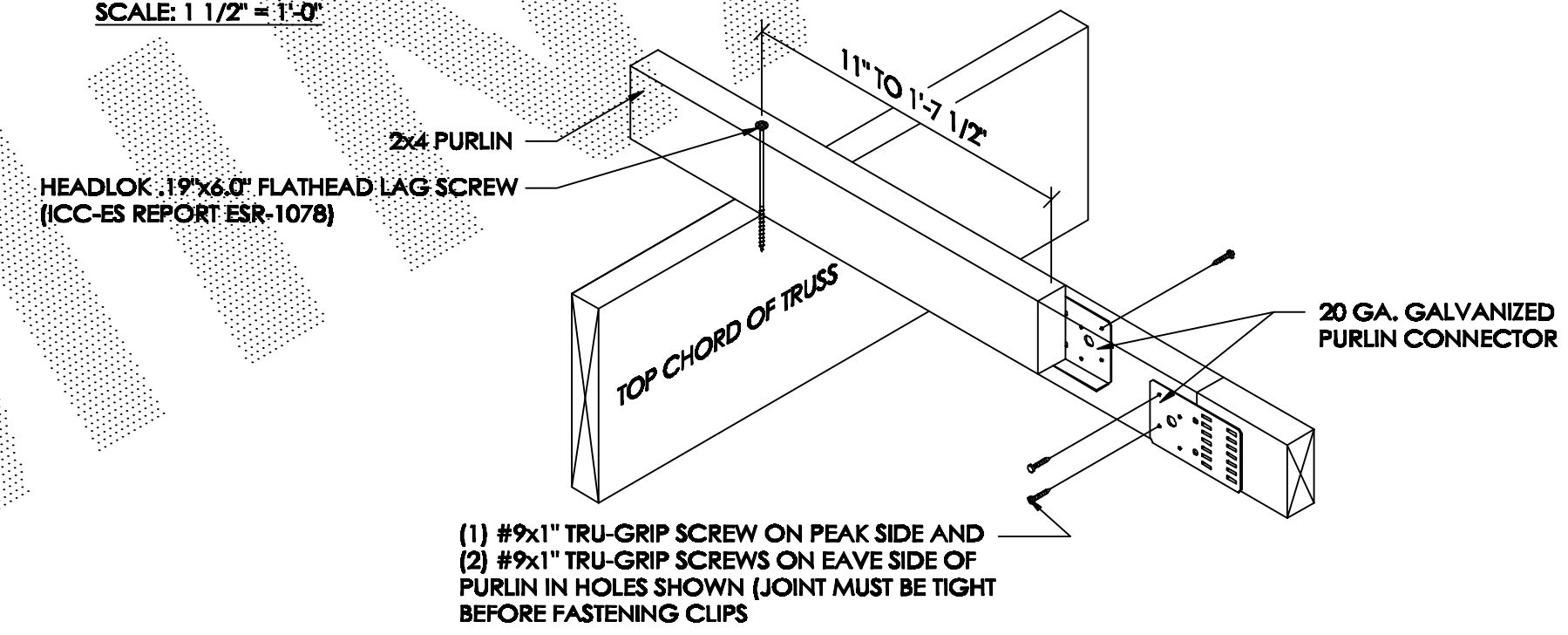
TRUSS/BRACING PLAN LEGEND

- ◇ - DOUBLE 30' 4090 S.C. TRUSSES @ 7'-6" O.C.
- ◇ - 30' END RAFTER ASSEMBLY
- ◇ - 2x4 TRUSS TIES @ 7'-6" O.C.
- ◇ - 2x6 DIAGONAL END BRACES @ 7'-6" O.C. (TO EXTEND TO FIRST TRUSS IN FROM ENDWALL)

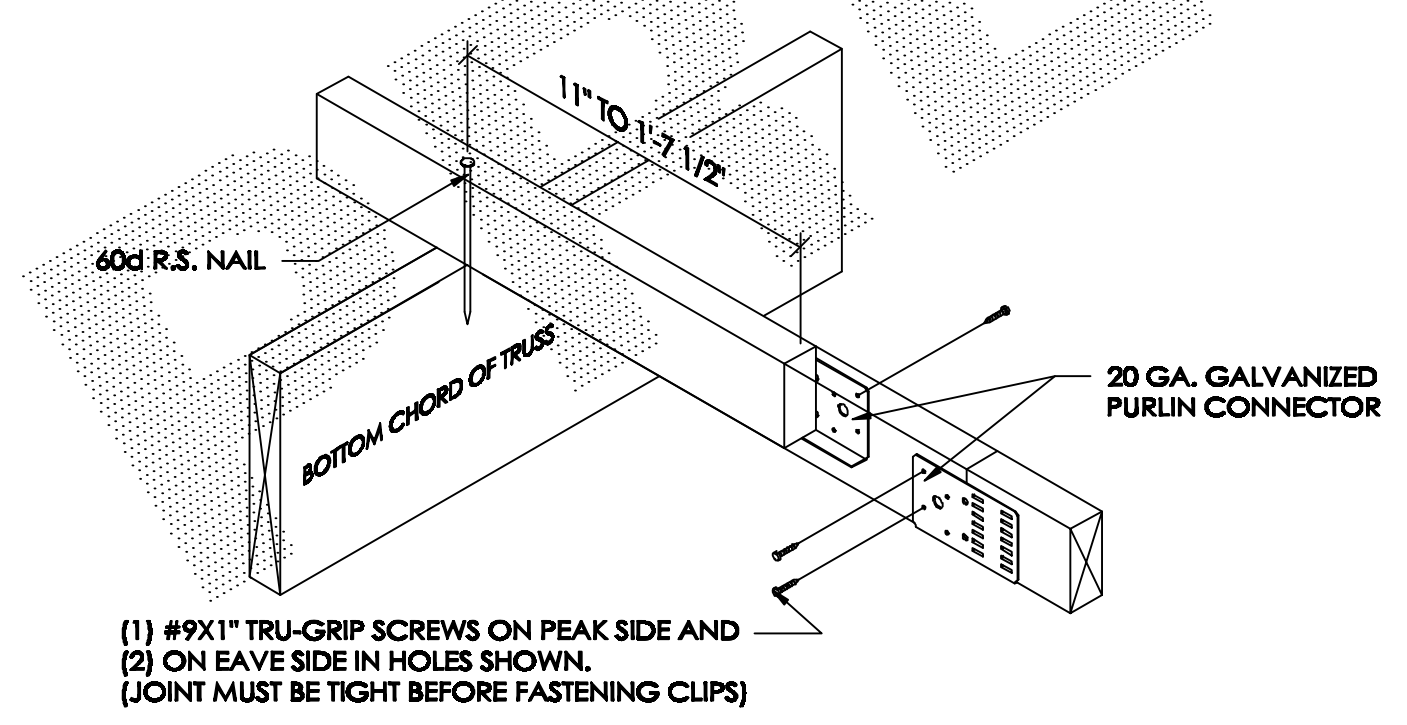


DETAIL B
SCALE: 1 1/2" = 1'-0"

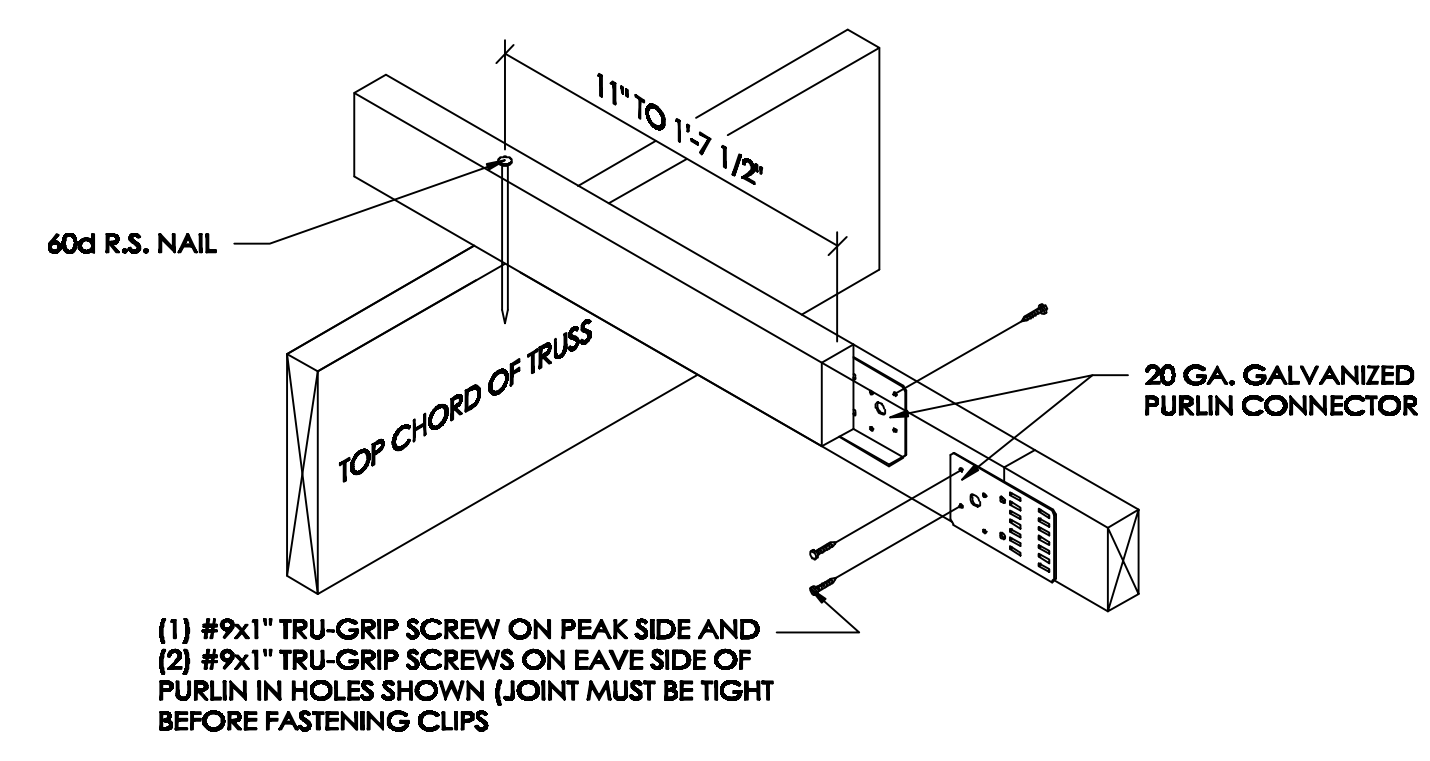
DETAIL A
SCALE: 1 1/2" = 1'-0"



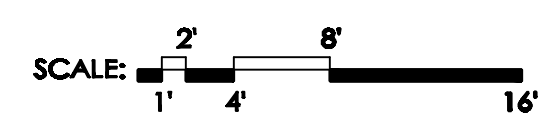
2x4 BUTTED PURLIN DETAIL
(PURLIN CONNECTED WITH 6" HEADLOK FLATHEAD LAG SCREW)
SCALE: 1 1/2" = 1'-0"



2x4 TRUSS TIE DETAIL

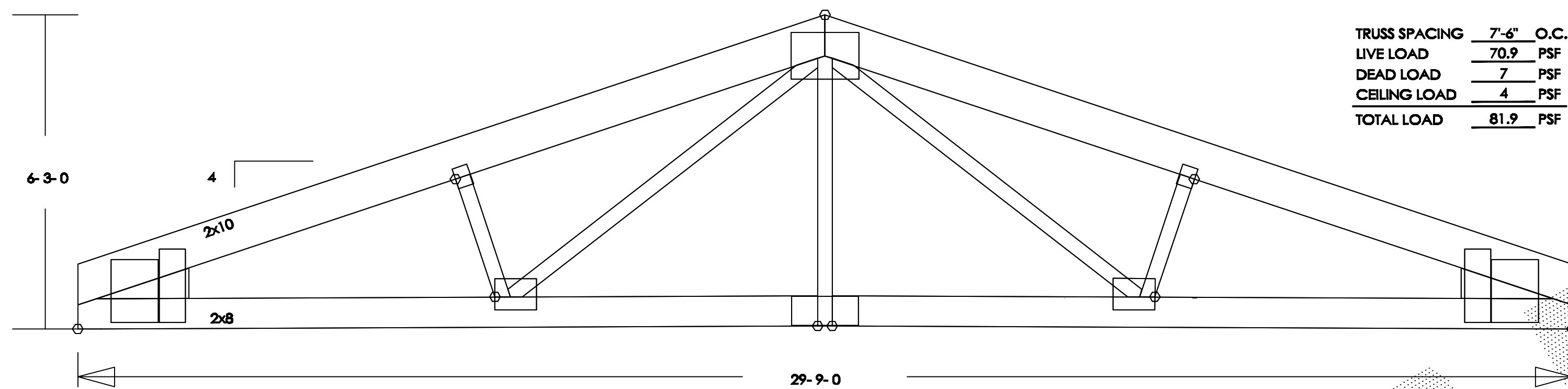


2x4 BUTTED PURLIN DETAIL
(PURLIN CONNECTED WITH 60D R.S. NAIL)
SCALE: 1 1/2" = 1'-0"



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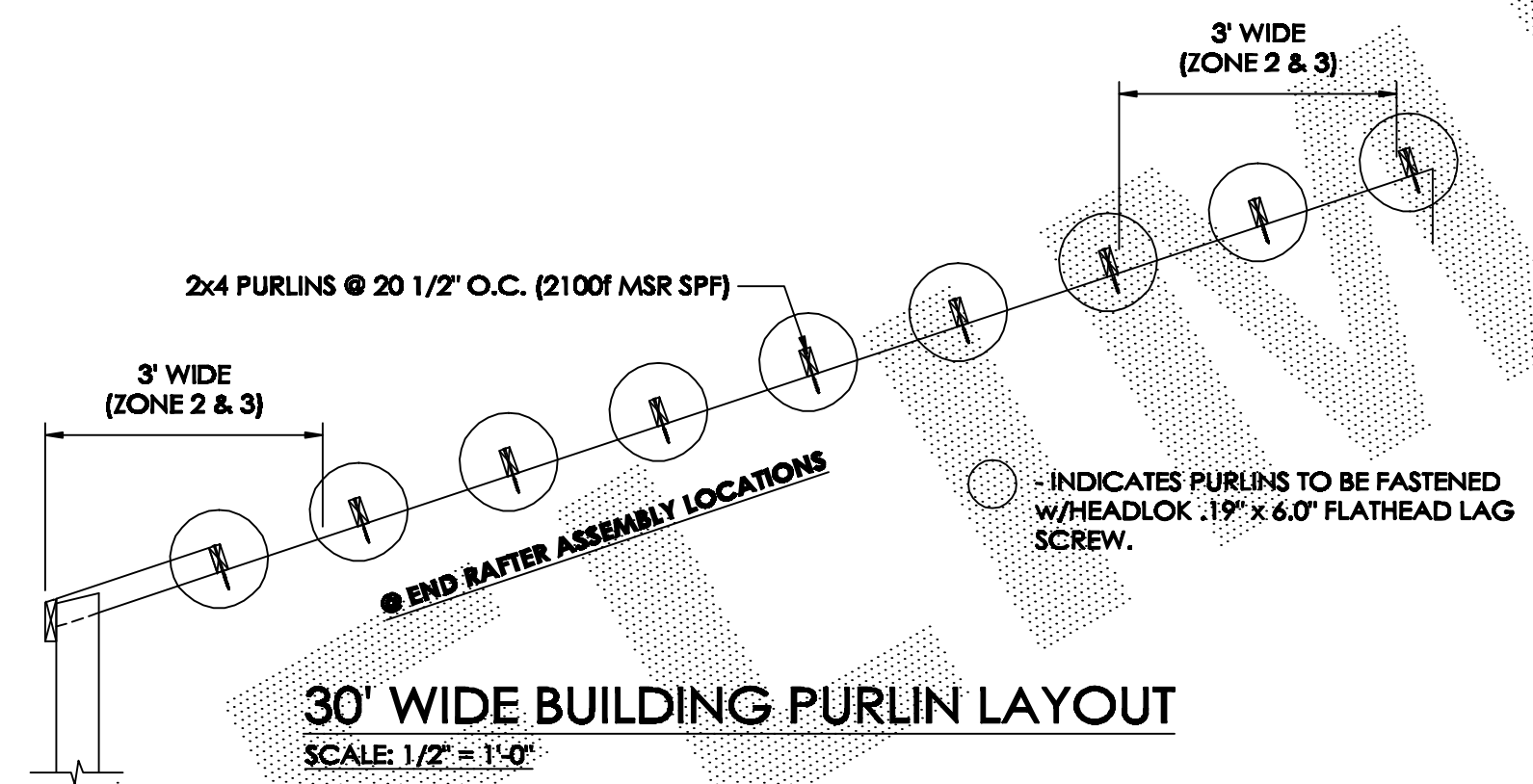
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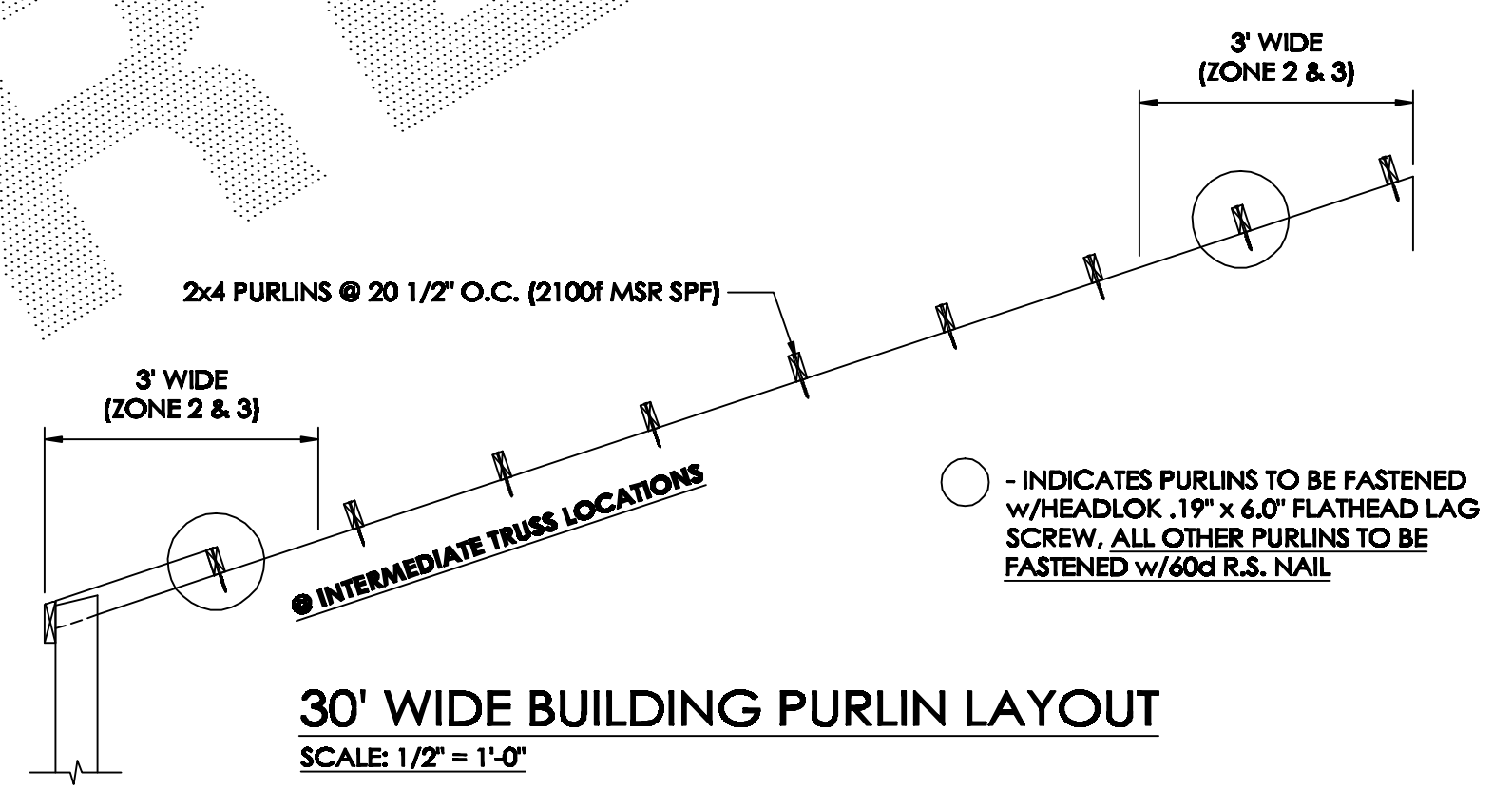
TRUSS SPACING	7'-6" O.C.
LIVE LOAD	70.9 PSF
DEAD LOAD	7 PSF
CEILING LOAD	4 PSF
TOTAL LOAD	81.9 PSF

NOTE:
 TRUSSES ARE USED AS INDIVIDUAL MEMBER TRUSS ASSEMBLIES. NAIL TRUSSES TOGETHER FROM EACH SIDE WITH (3) D10 2-7/8" R.S. GUNNAILS STAGGERED 8" O.C. ALONG TOP CHORD AND WEB MEMBERS AND 24" O.C. ALONG LOWER CHORD.
 DRAFTSMAN LEAVE ON UNTIL CHECKER HAS YOU REMOVE

30' S.C. 4090 TRUSS
 SCALE: 1/2" = 1'-0"



30' WIDE BUILDING PURLIN LAYOUT
 SCALE: 1/2" = 1'-0"



30' WIDE BUILDING PURLIN LAYOUT
 SCALE: 1/2" = 1'-0"

CHECKING FOR CONSON TO SEEING FOR REQUIRED

WATERFRONT MAINE
 PORTLAND, ME

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