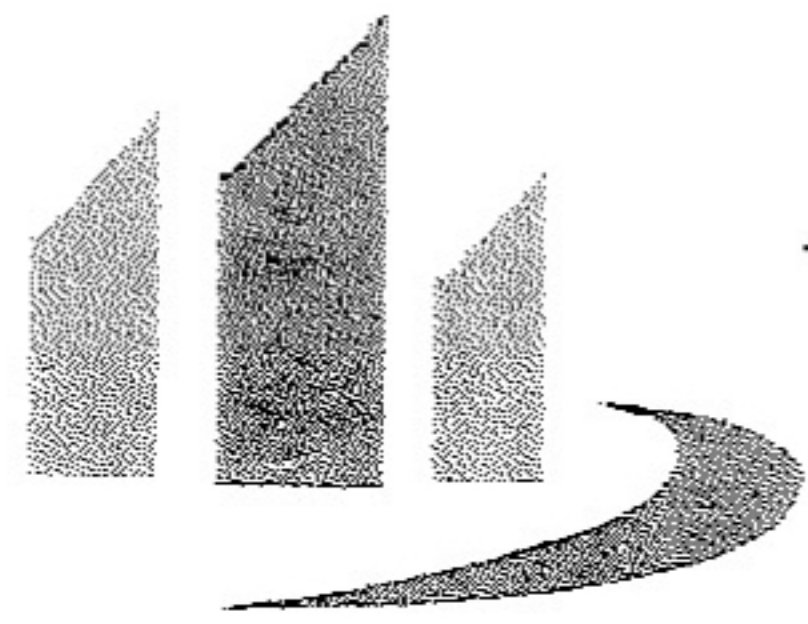


REGULAR / A-FRAME - VERTICAL / HORIZ.
 12' THRU 30' CARPORTS
 (STATE OF OREGON)
 AS PER DESIGN CRITERIA

PREPARED BY:



A & A ENGINEERING
 CIVIL • STRUCTURAL
 SINCE 1996

5911 Renaissance Pl., Suite B
 Toledo, Ohio 43623

Tel: (419) 292-1983
 Fax: (419) 292-0955



5073 Dallas Hwy W
 Salem, OR. 97304

Tel: 866-404-7788
 Fax: 503-566-8833

Stamped drawings will only reflect upgraded models to meet local codes.

DESIGN NOTES

1. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH IBC 2006, OSHA, AISC, ASCE7-05, AWS D 1.1 CODES AND ALL APPLICABLE LOCAL REQUIREMENTS.
2. SHELTER BASE CONNECTIONS SHALL BE PROVIDED AS SHOWN ON SHEET 9
3. ALL MATERIALS IDENTIFIED BY MANUFACTURER NAME MAY BE SUBSTITUTED WITH MATERIAL EQUAL OR EXCEEDING ORIGINAL.
4. ALL SHOP CONNECTIONS SHALL BE WELDED CONNECTIONS.
5. ALL FIELD CONNECTIONS SHALL BE TEKS #12 (1/4"x1").
6. STEEL SHEATHING SHALL BE 29GA. CORRUGATED GALV. OR PAINTED STEEL - MAIN RIB HT. 3/4" (FY=80KSI) OR EQ.
7. ALL STRUCTURAL LIGHT GAUGE TUBING AND CHANNELS SHALL BE GRADE 50 STEEL.
8. STRUCTURAL TUBE T52 1/2"x2 1/2" - 14GA. IS EQUIVALENT TO T52 1/4"x2 1/4" - 12GA.
9. STRUCTURAL TUBE T52 1/4"x2 1/4" - 12GA. SHOULD BE ACCEPTED IN LIEU OF T52 1/4"x2 1/4" - 14GA. FOR IT IS A BETTER STRUCTURAL TUBING.

DESIGN CRITERIA

PREVAILING CODE: IBC 2006 / IBC 2009
 ORSC 2011
 USE GROUP: U (CARPORTS, BARNS)
 BASIC WIND VELOCITY: 90 TO 110 MPH
 (SEE SCHEDULE)
 ROOF DEAD LOAD: 2.0 PSF
 ROOF LIVE LOAD: AS PER GROUND SNOW
 MIN. 20 PSF / MAX. 50 PSF
 GROUND SNOW LOAD: 20 TO 60 PSF
 (SEE SCHEDULE)
 IMPORTANCE FACTOR = SNOW 0.8
 WIND 0.87
 SEISMIC 1.0
 SEISMIC DESIGN CATEGORY: D
 LOAD COMBINATIONS:
 DL+LL, 0.6DL+WL
 DL+0.75LL+0.75WL

DRAWING INDEX

- 1.....COVER SHEET
- 2.....FLOOR PLAN
- 3.....REGULAR / AFRAME BLDG. SECTIONS
- 4.....SCHEDULES
- 5.....SIDE ELEVATIONS
- 6.....SECTION DETAILS
- 7.....END WALL DETAILS
- 8.....OPENING DETAILS
- 9.....LEAN-TO OPTION
- 9.....ANCHORAGE

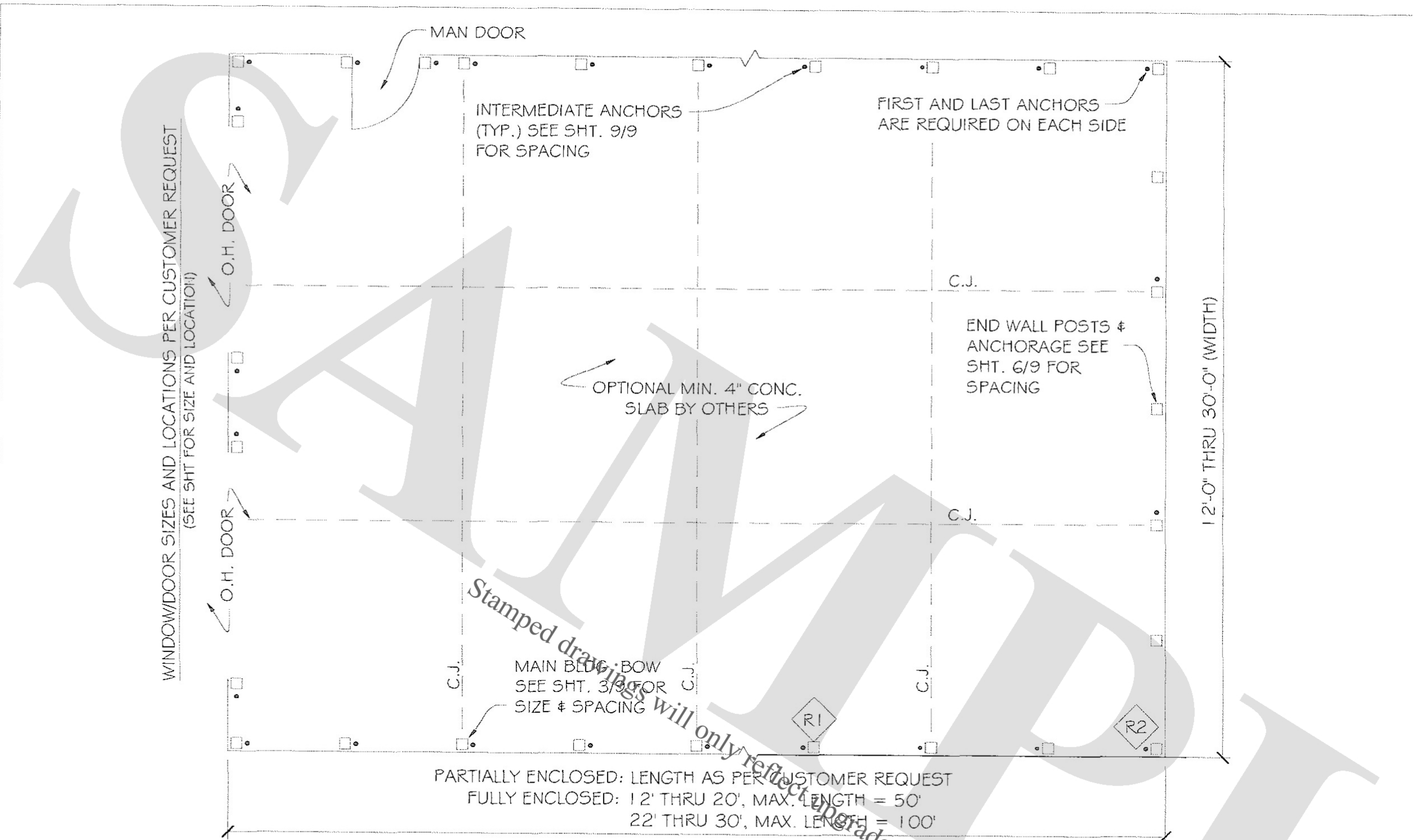
THE INFORMATION CONTAINED IN THESE DRAWINGS ARE THE SOLE PROPERTY OF A & A ENGINEERING. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF A & A ENGINEERING IS PROHIBITED.

PROJECT NUMBER:

SEAL

LICENSE EXPIRES: 12/31/2013

DATE SIGNED:

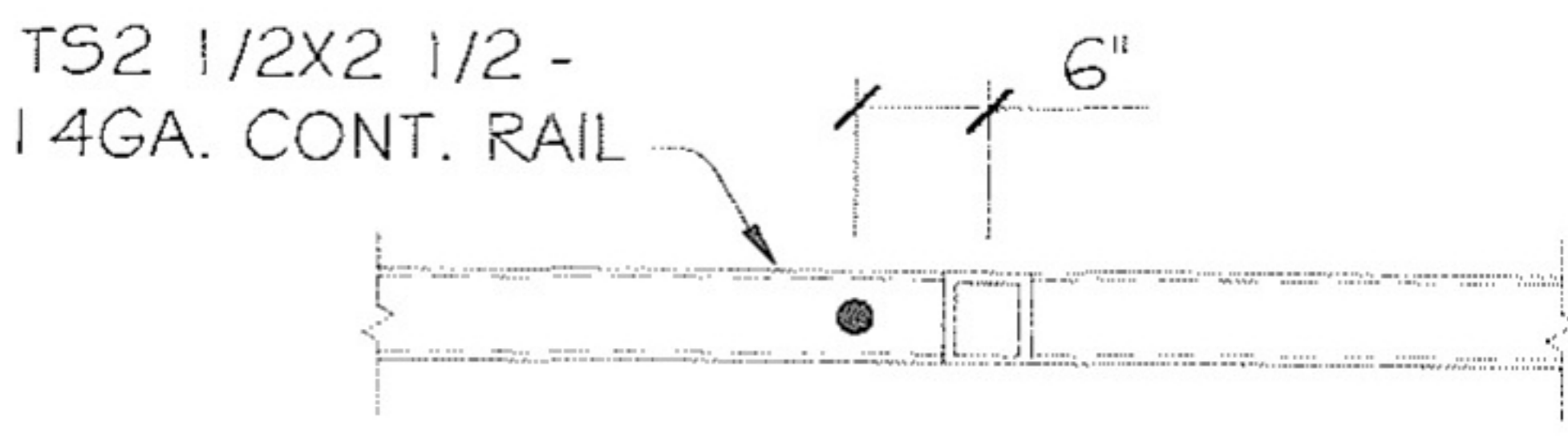


Stamped drawings will only reflect upgraded models to meet local code.

FLOOR PLAN

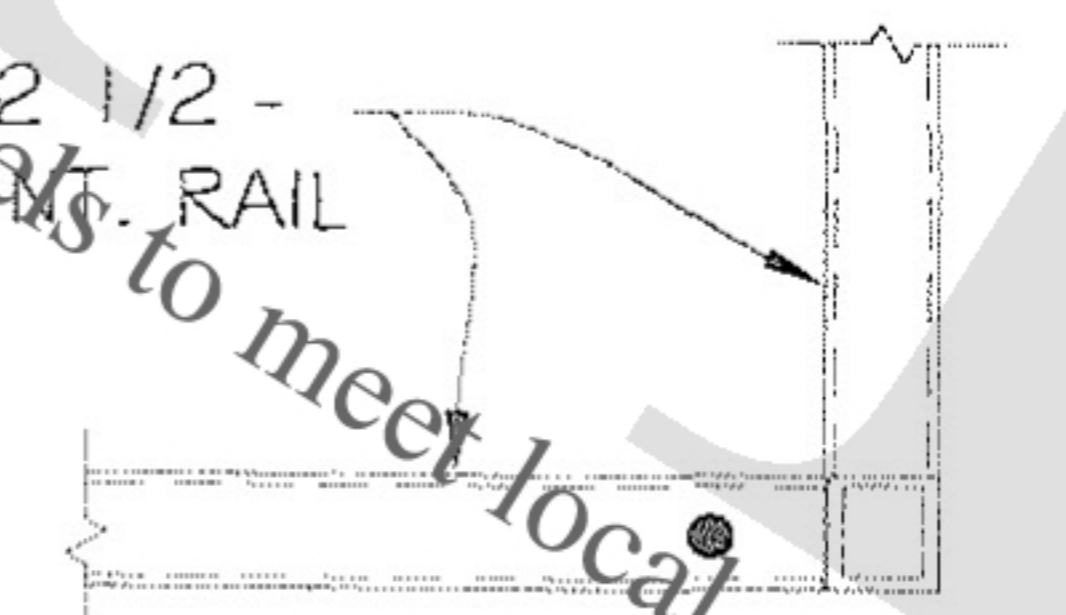
(SCALE: NTS)

C.J. - CONTROL JOINTS ON CONCRETE SLAB OPTION MAX. 20'X20'



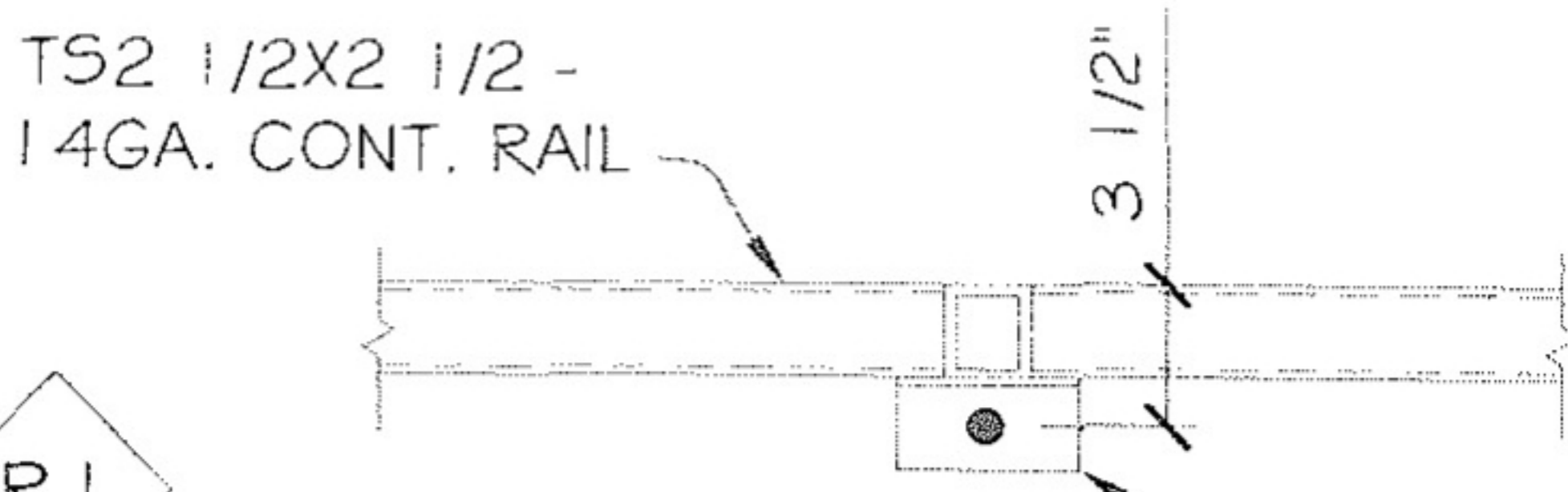
BASE ANCHOR

(SCALE: NTS)



BASE ANCHOR

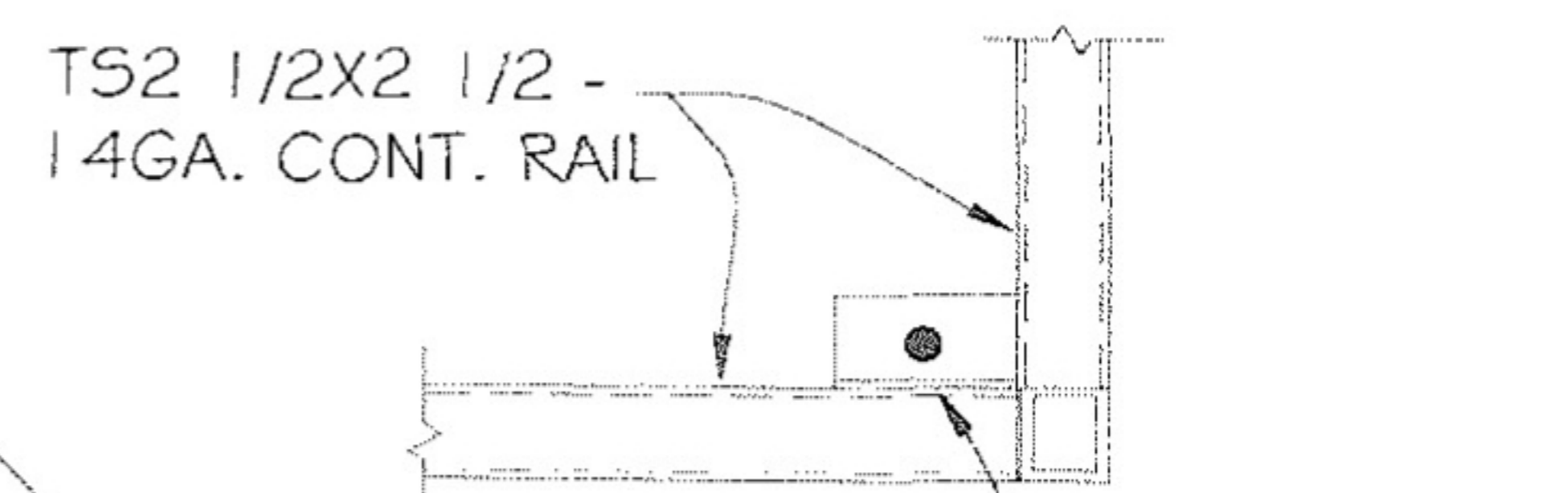
(SCALE: NTS)



ALTERNATE ANCHOR

(SCALE: NTS)

• ANCHOR - SEE OPTIONS & SPACING SHT. 9/9



ALTERNATE ANCHOR

(SCALE: NTS)

• ANCHOR - SEE OPTIONS & SPACING SHT. 9/9

FOR:

OWNER:

LOCATION:

DESCRIPTION:

DATE:

PROJECT NUMBER:

DRAWN BY:

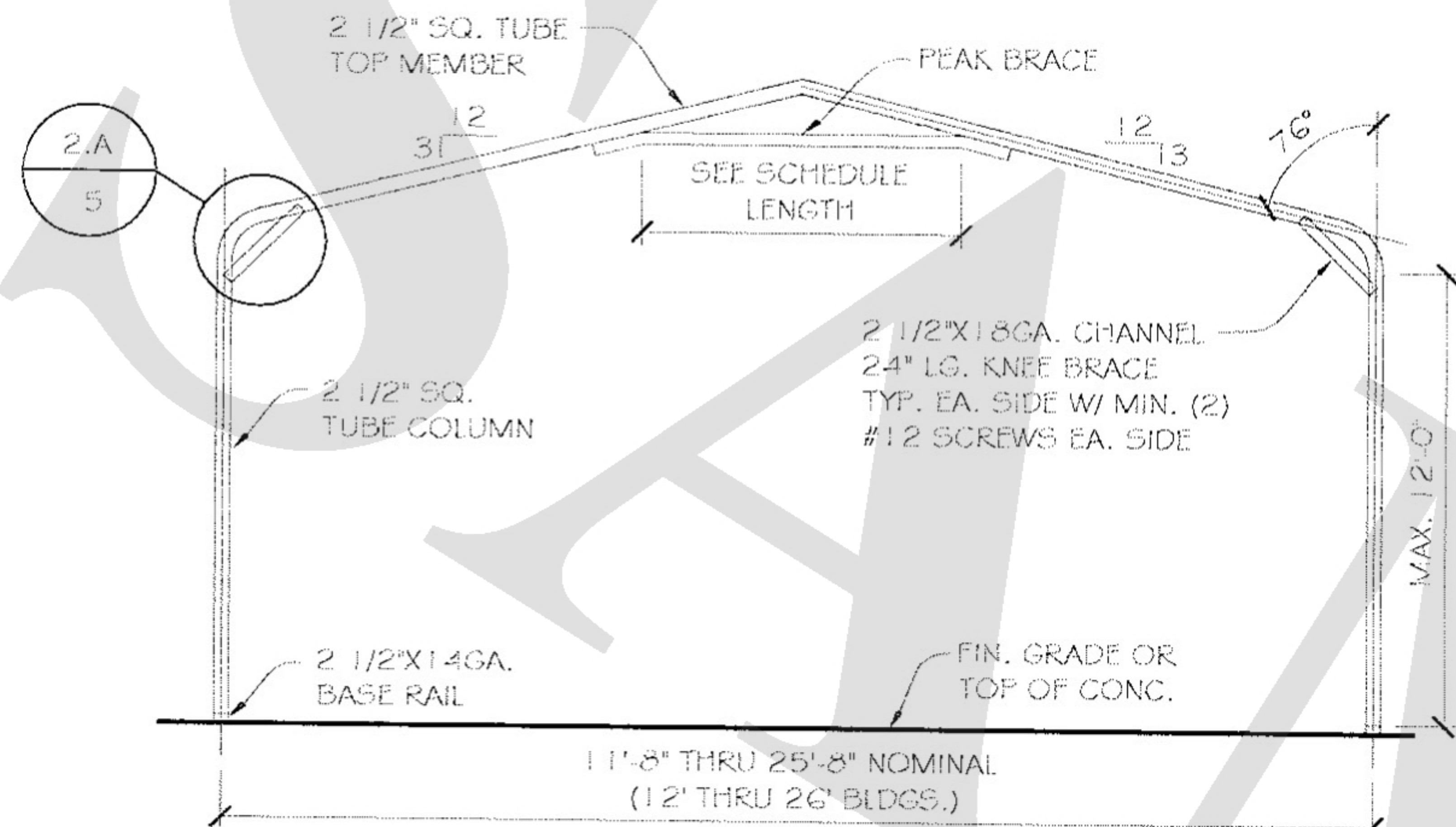
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DRAWING TITLE:

SHEET NO.: **2 OF 9**

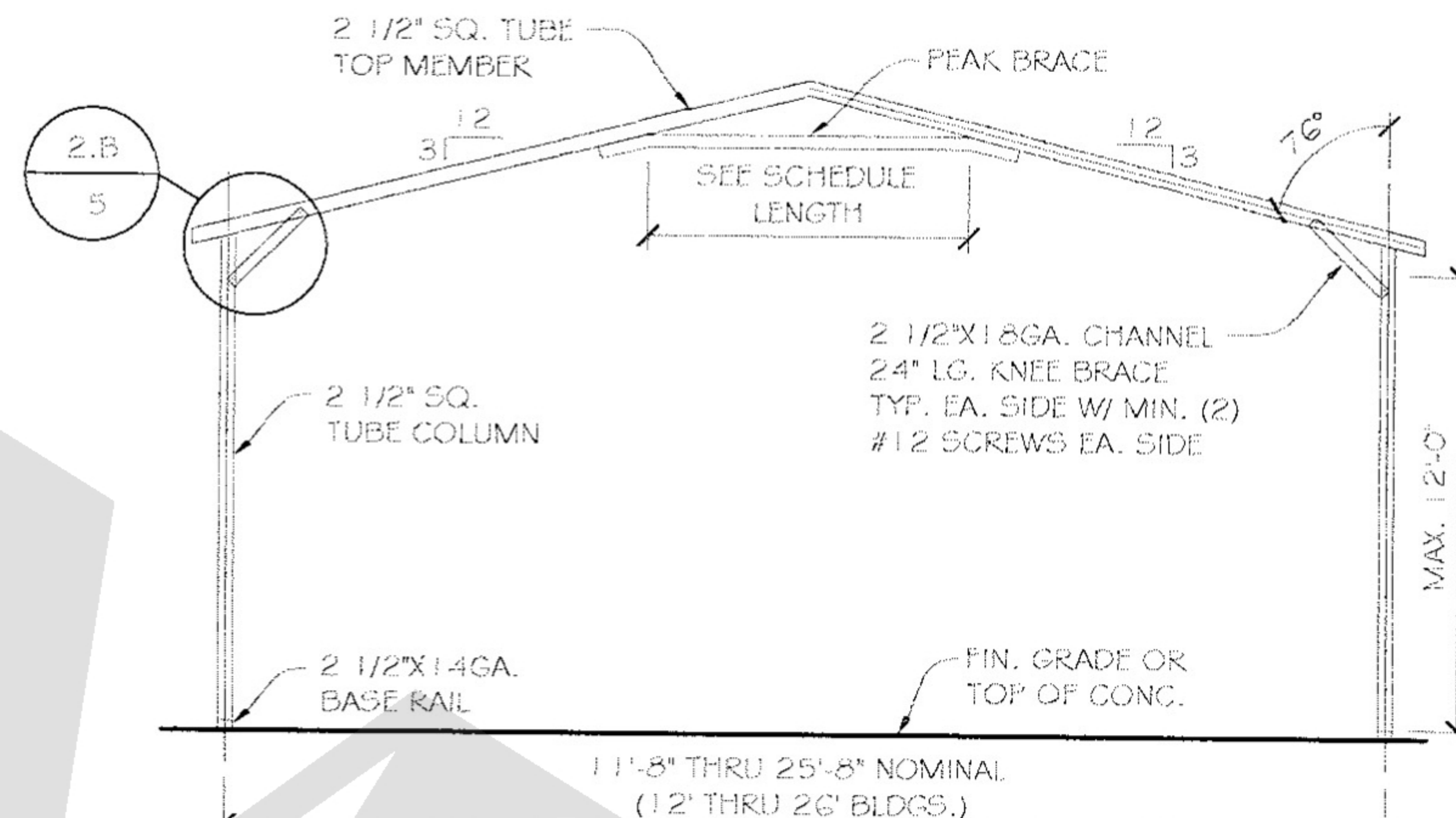
SEAL

DATE SIGNED:



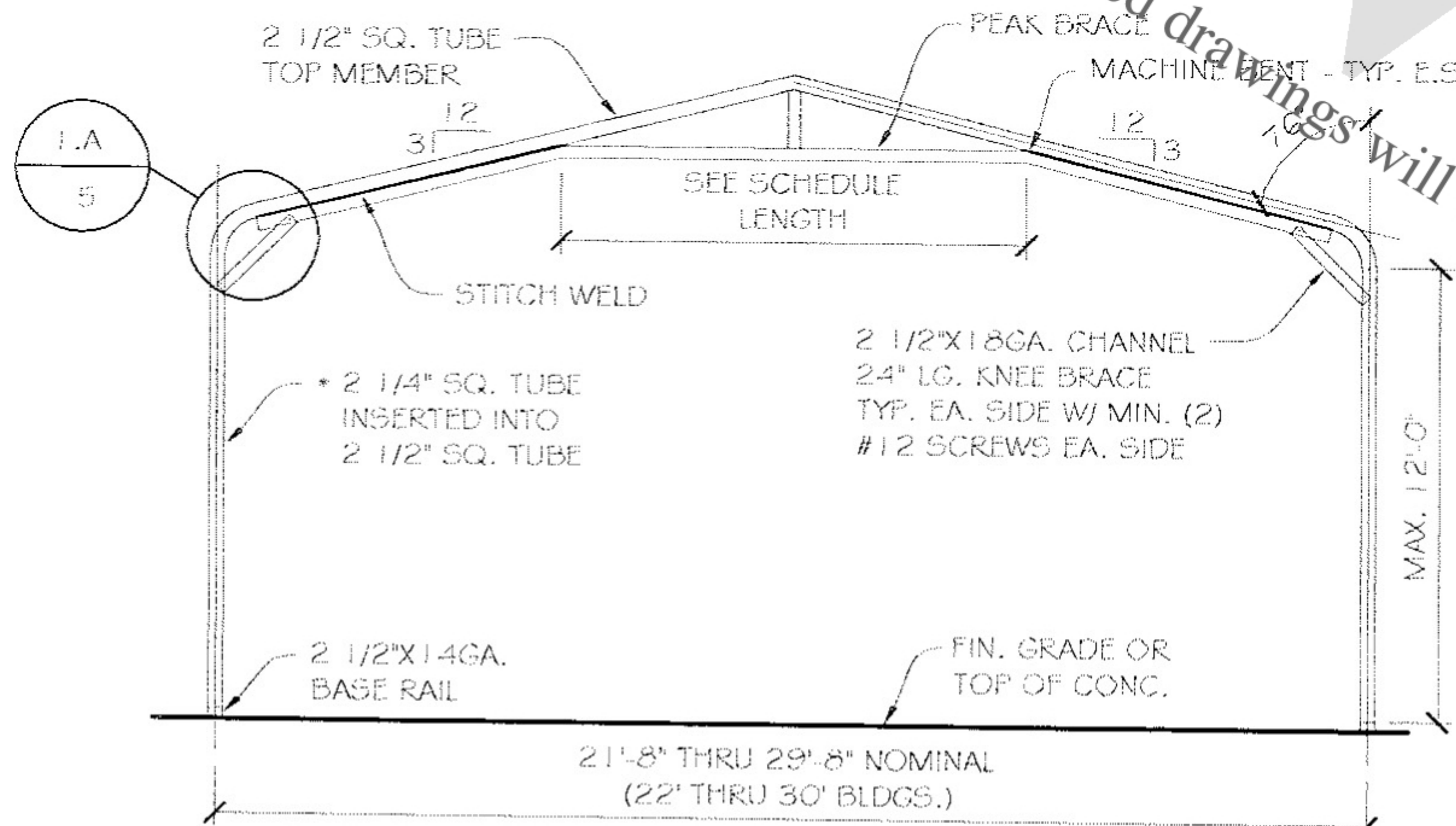
REGULAR SINGLE BOW "SB" BUILDING SECTION

(SCALE: NTS)



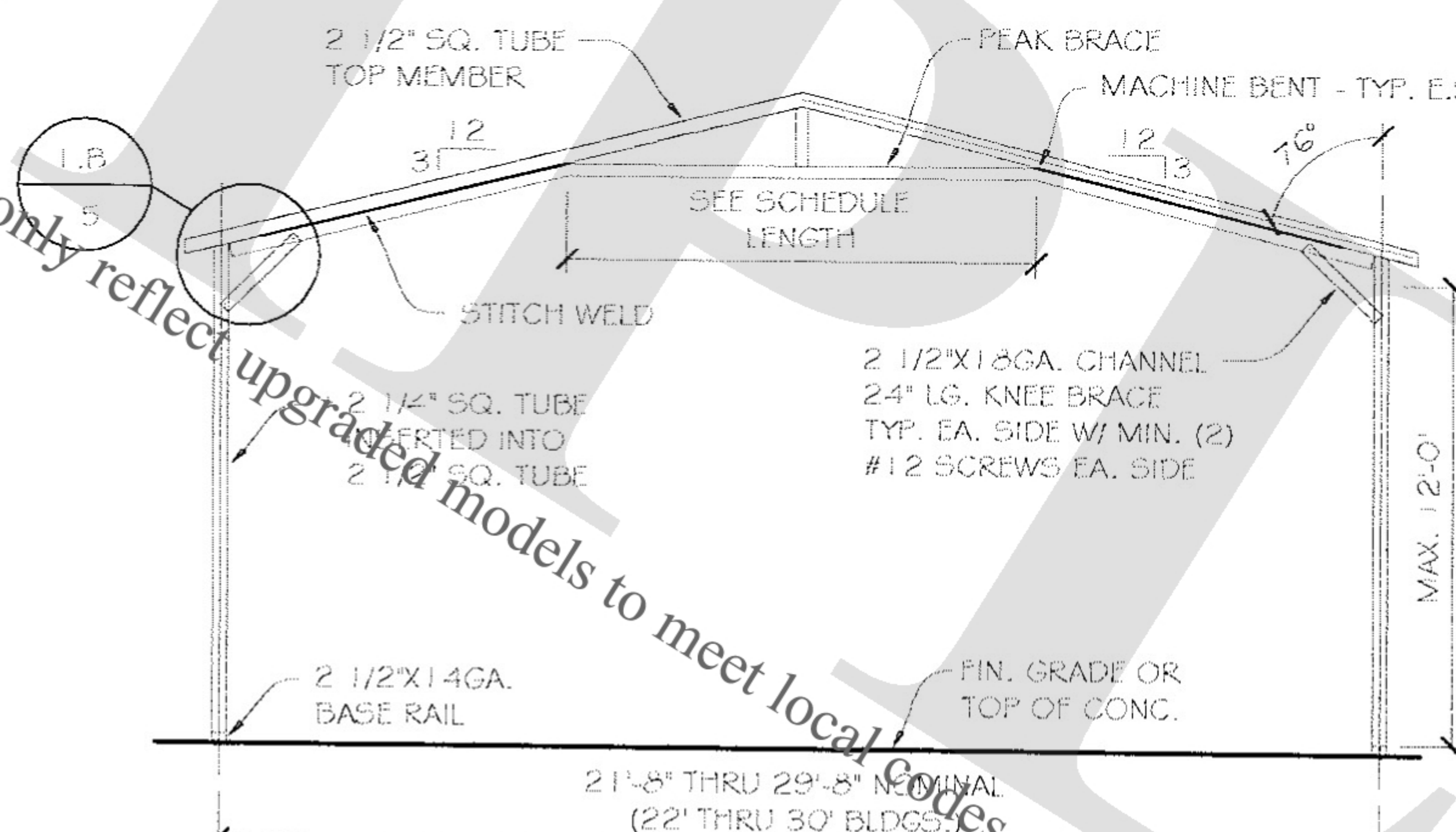
A-FRAME SINGLE BOW "SB" BUILDING SECTION

(SCALE: NTS)



REGULAR DOUBLE BOW "DB" BUILDING SECTION

(SCALE: NTS)



A-FRAME DOUBLE BOW "DB" BUILDING SECTION

(SCALE: NTS)

* INSERT TO BE FULL HEIGHT. FIELD BOLT W/ TEKS
#12X1" @ 12" C/C - STAGGER OPPOSITE FACE

FOR:

OWNER:

LOCATION:

DESCRIPTION:

DATE:

PROJECT NUMBER:

DRAWN BY:

CHECKED BY:

DRAWING TITLE:

SHEET NO.: 3 OF 9

SEAL

DATE SIGNED:

BOW SCHEDULE (TOP & COLUMN MEMBERS GAUGE AND SPACING)

WIND (MPH)		90 -100				110		
GS/LL	POST HT.	BLDG. # WIDTH			BLDG. # WIDTH			
		12-20	22-26	28-30	12-20	22-26	28-30	
20/20	5'-0" TO 8'-0"	F 14GA. S.B. @ 60"	14GA. S.B. @ 54"	14GA. D.B. @ 60"	14GA. S.B. @ 60"	14GA. S.B. @ 60"	14GA. D.B. @ 60"	
		P 14GA. S.B. @ 60"	14GA. S.B. @ 48"	14GA. D.B. @ 60"	14GA. S.B. @ 60"	14GA. S.B. @ 54"	14GA. D.B. @ 60"	
	9'-0" TO 12'-0"	F 14GA. S.B. @ 60"	14GA. S.B. @ 54"	14GA. D.B. @ 54"	14GA. S.B. @ 60"	14GA. S.B. @ 60"	14GA. D.B. @ 54"	
		P 14GA. S.B. @ 60"	14GA. S.B. @ 48"	14GA. D.B. @ 54"	14GA. S.B. @ 60"	14GA. S.B. @ 54"	14GA. D.B. @ 48"	
30/20	5'-0" TO 8'-0"	F 14GA. S.B. @ 60"	14GA. S.B. @ 54"	14GA. D.B. @ 60"	14GA. S.B. @ 60"	14GA. S.B. @ 54"	14GA. D.B. @ 54"	
		P 14GA. S.B. @ 60"	14GA. S.B. @ 48"	14GA. D.B. @ 60"	14GA. S.B. @ 60"	14GA. S.B. @ 48"	14GA. D.B. @ 48"	
	9'-0" TO 12'-0"	F 14GA. S.B. @ 60"	14GA. S.B. @ 54"	14GA. D.B. @ 54"	14GA. S.B. @ 60"	14GA. S.B. @ 54"	14GA. D.B. @ 54"	
		P 14GA. S.B. @ 54"	14GA. S.B. @ 48"	14GA. D.B. @ 54"	14GA. S.B. @ 54"	14GA. S.B. @ 48"	14GA. D.B. @ 48"	
40/30	5'-0" TO 8'-0"	F 14GA. S.B. @ 54"	14GA. S.B. @ 54"	14GA. D.B. @ 54"	14GA. S.B. @ 48"	14GA. S.B. @ 48"	14GA. D.B. @ 48"	
		P 14GA. S.B. @ 48"	14GA. S.B. @ 42"	14GA. D.B. @ 48"	14GA. S.B. @ 48"	14GA. S.B. @ 42"	14GA. D.B. @ 42"	
	9'-0" TO 12'-0"	F 14GA. S.B. @ 54"	14GA. S.B. @ 54"	14GA. D.B. @ 48"	14GA. S.B. @ 48"	14GA. S.B. @ 48"	14GA. D.B. @ 48"	
		P 14GA. S.B. @ 48"	14GA. S.B. @ 42"	14GA. D.B. @ 48"	14GA. S.B. @ 42"	14GA. S.B. @ 42"	14GA. D.B. @ 42"	
50/40	5'-0" TO 8'-0"	F 14GA. S.B. @ 48"	14GA. S.B. @ 48"	14GA. D.B. @ 48"	14GA. S.B. @ 42"	14GA. S.B. @ 42"	14GA. D.B. @ 42"	
		P 14GA. S.B. @ 42"	14GA. S.B. @ 36"	14GA. D.B. @ 42"	14GA. S.B. @ 42"	14GA. S.B. @ 36"	14GA. D.B. @ 36"	
	9'-0" TO 12'-0"	F 14GA. S.B. @ 48"	14GA. S.B. @ 48"	14GA. D.B. @ 42"	14GA. S.B. @ 42"	14GA. S.B. @ 42"	14GA. D.B. @ 42"	
		P 14GA. S.B. @ 42"	14GA. S.B. @ 36"	14GA. D.B. @ 42"	14GA. S.B. @ 36"	14GA. S.B. @ 36"	14GA. D.B. @ 36"	
60/50	5'-0" TO 8'-0"	F 14GA. S.B. @ 48"	14GA. S.B. @ 48"	14GA. D.B. @ 42"	14GA. S.B. @ 42"	14GA. S.B. @ 42"	14GA. D.B. @ 42"	
		P 14GA. S.B. @ 42"	14GA. S.B. @ 36"	14GA. D.B. @ 42"	14GA. S.B. @ 36"	14GA. S.B. @ 36"	14GA. D.B. @ 36"	
	9'-0" TO 12'-0"	F 14GA. S.B. @ 42"	14GA. S.B. @ 36"	14GA. D.B. @ 42"	14GA. S.B. @ 36"	14GA. S.B. @ 36"	14GA. D.B. @ 36"	
		P 14GA. S.B. @ 36"	14GA. S.B. @ 36"	14GA. D.B. @ 36"	14GA. S.B. @ 36"	14GA. S.B. @ 36"	14GA. D.B. @ 36"	

FOR:

OWNER:

LOCATION:

DESCRIPTION:

DATE:

PROJECT NUMBER:

DRAWN BY:

CHECKED BY:

DRAWING TITLE:

SHEET NO.: **3A OF 9**

SEAL

DATE SIGNED:

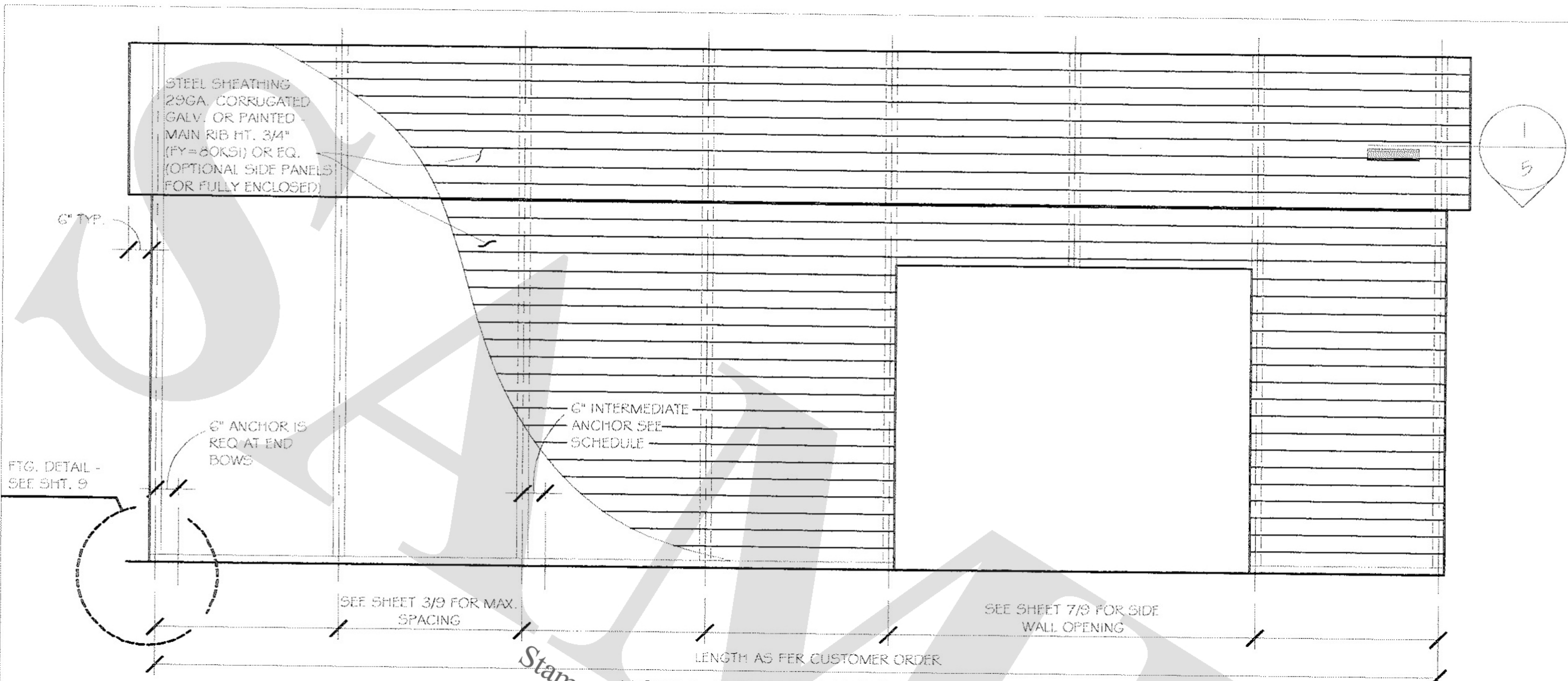
S.B. = SINGLE BOW
 D.B. = DOUBLE BOW
 F = FULLY ENCLOSED (CLOSED)
 P = PARTIALLY ENCLOSED (OPEN)
 G.S. = GROUND SNOW
 L.L. = LIVE LOAD

PEAK BRACE SCHEDULES

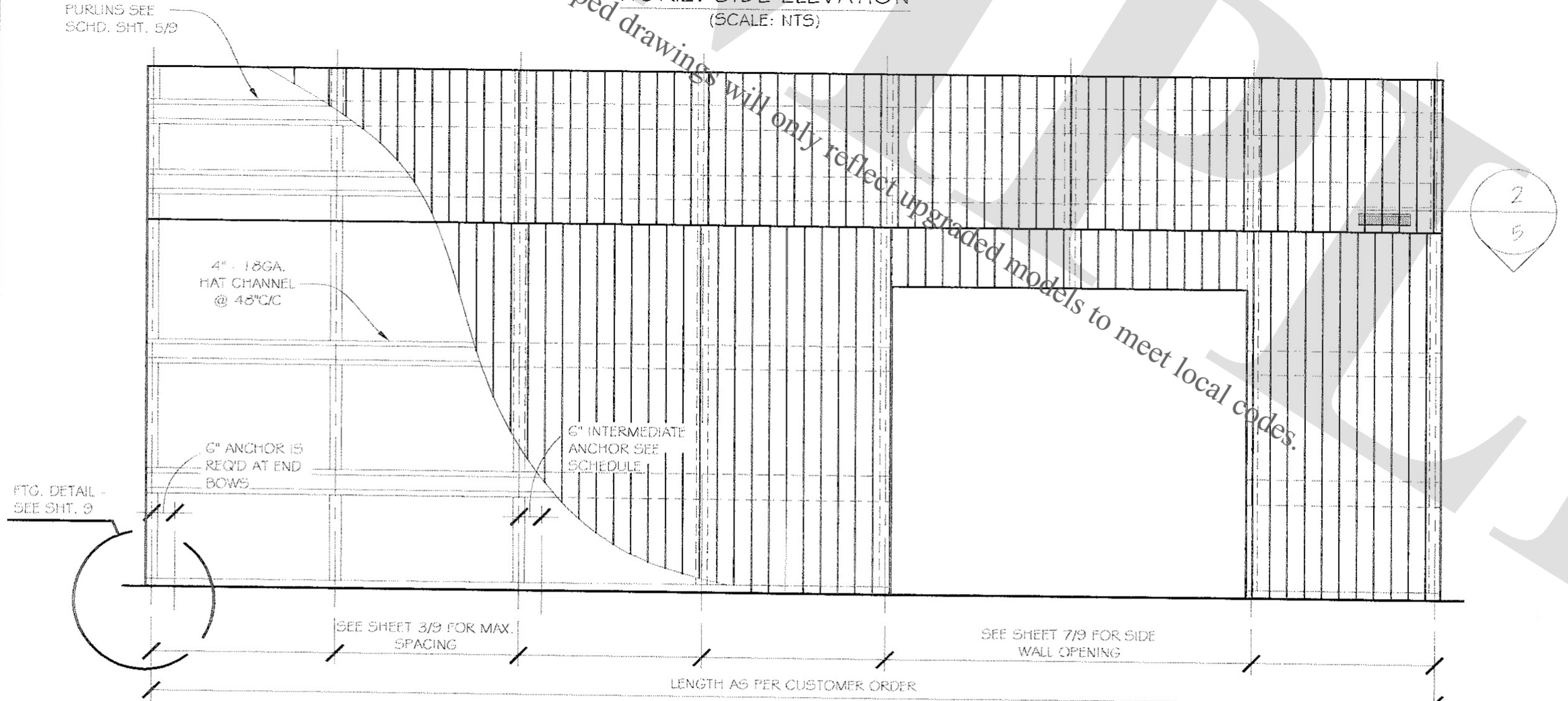
WIDTH	SIZE	LENGTH
12	2 1/2"X18GA. CHANNEL	2'-0"
14	2 1/2"X18GA. CHANNEL	4'-0"
16	2 1/2"X18GA. CHANNEL	6'-0"
18	2 1/2"X18GA. CHANNEL	6'-0"
20-22	2"X14GA. SQ. TUBE	10'-0"
24-26	2"X14GA. SQ. TUBE	14'-0"
28-30	2"X14GA. SQ. TUBE	16'-0"

NOTE: 18GA. CHANNEL WILL CONNECT WITH MIN. (2) #12 SCREWS EA. SIDE

Stamped drawings will only reflect upgraded models to meet local codes.

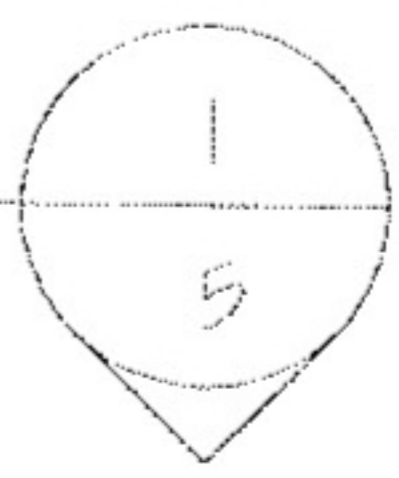


HORIZ. SIDE ELEVATION
(SCALE: NTS)



VERTICAL SIDE ELEVATION
(SCALE: NTS)

Stamped drawings will only reflect upgraded models to meet local codes.



FOR:

OWNER:

LOCATION:

DESCRIPTION:

DATE:

PROJECT NUMBER:

DRAWN BY:

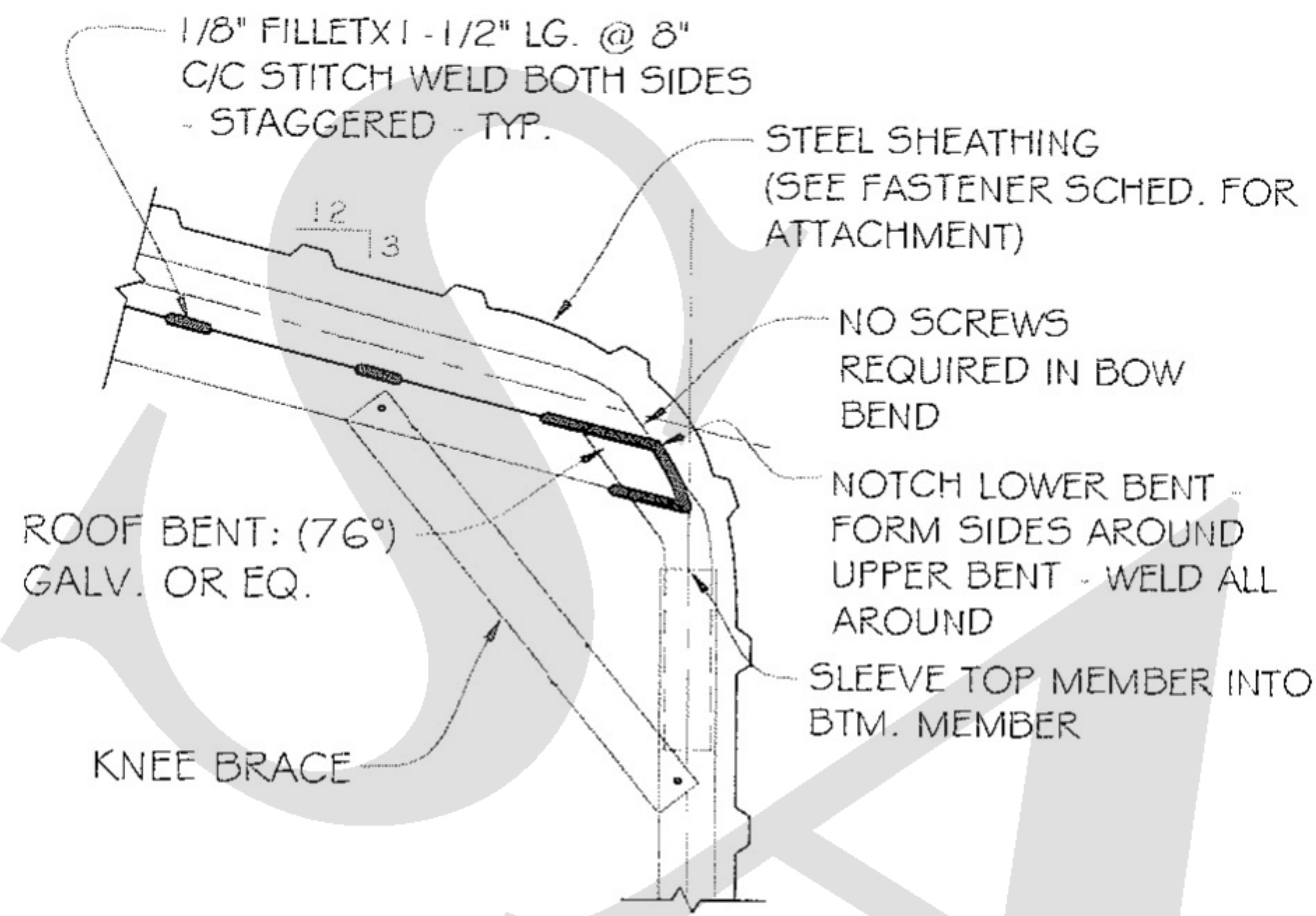
CHECKED BY:

DRAWING TITLE:

SHEET NO.: 4 OF 9

SEAL

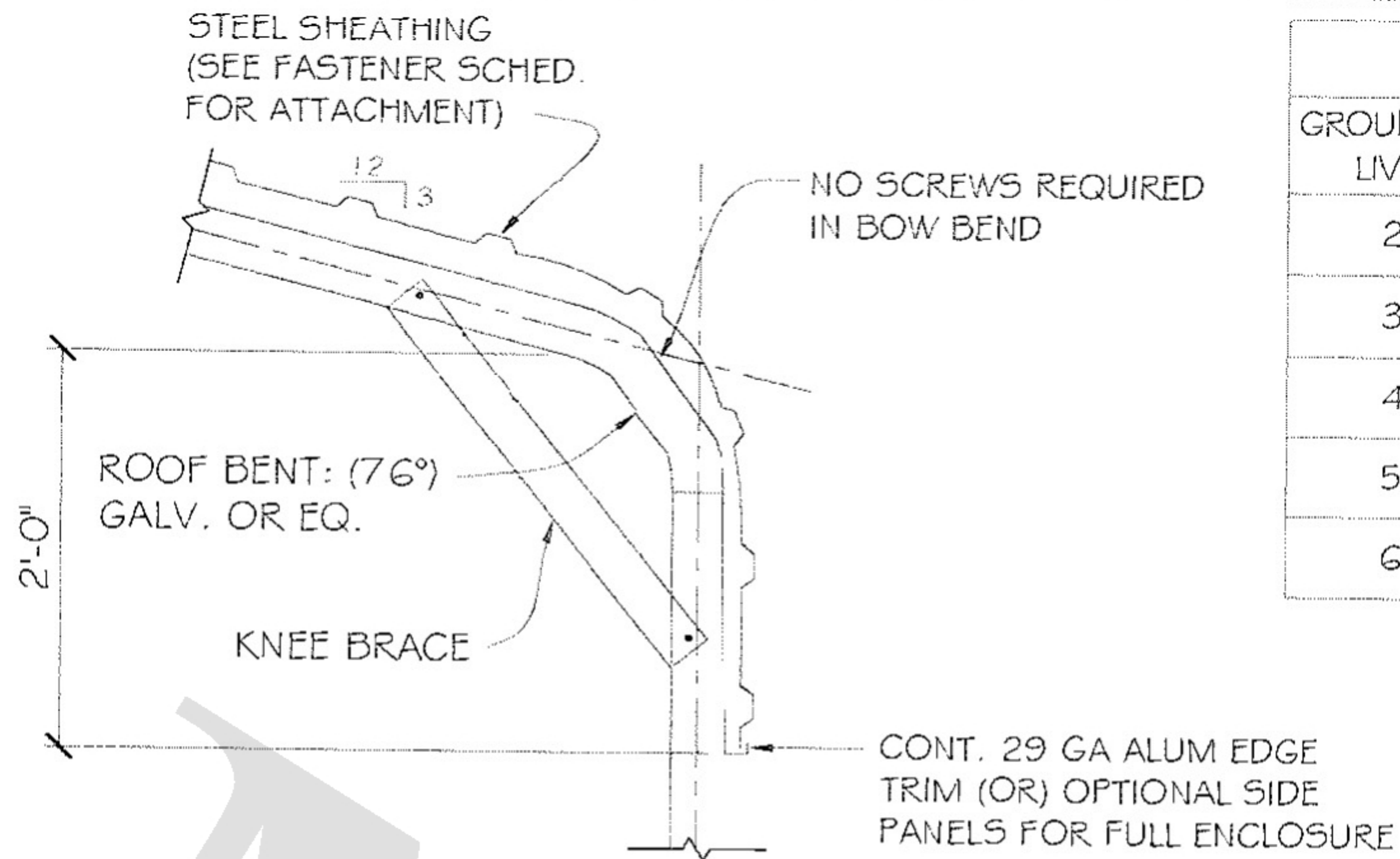
DATE SIGNED:



REGULAR DOUBLE BOW "DB"
SECTION DETAIL

(SCALE: NTS)

1.A
3

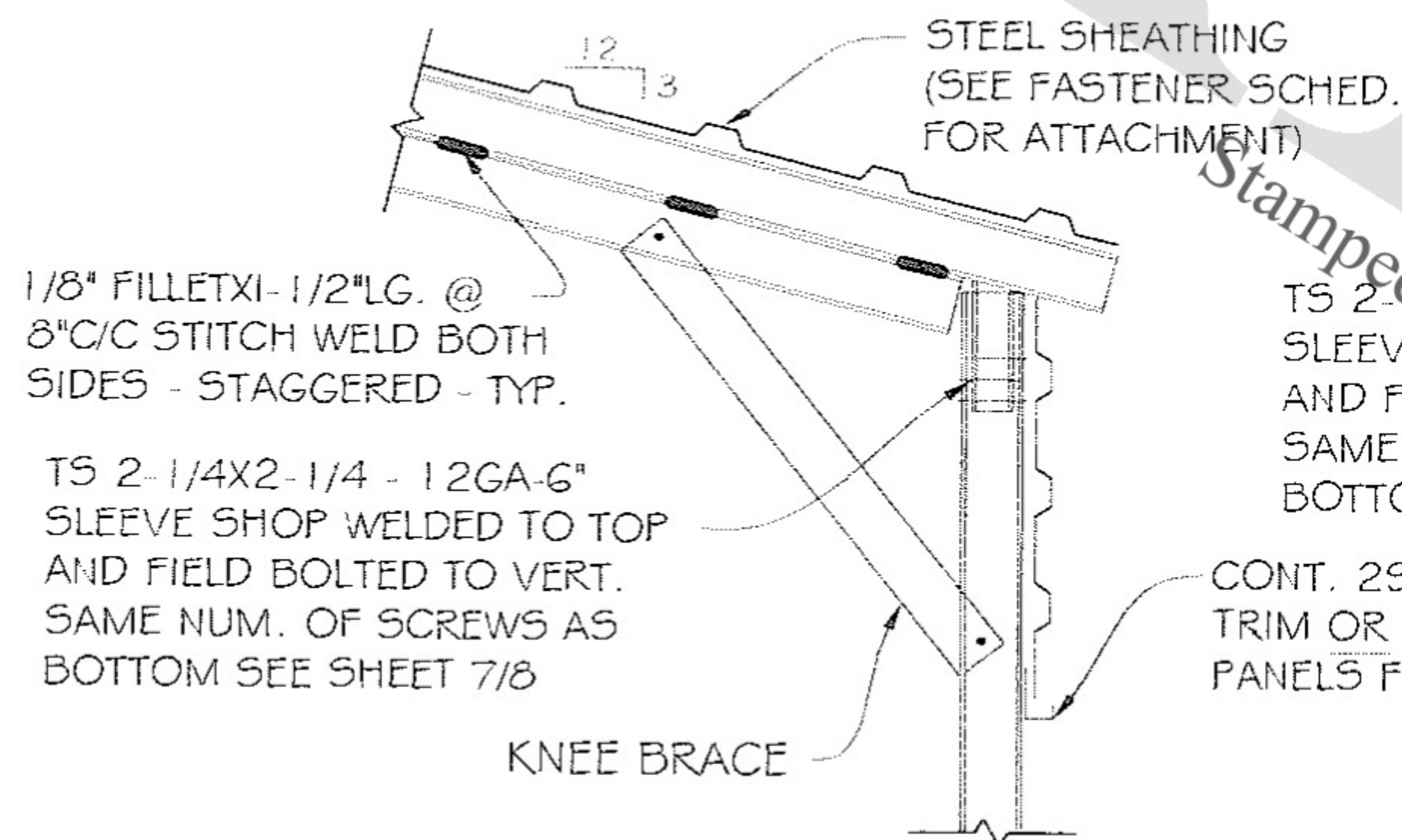


REGULAR SINGLE BOW "SB"
SECTION DETAIL

(SCALE: NTS)

2.A
3

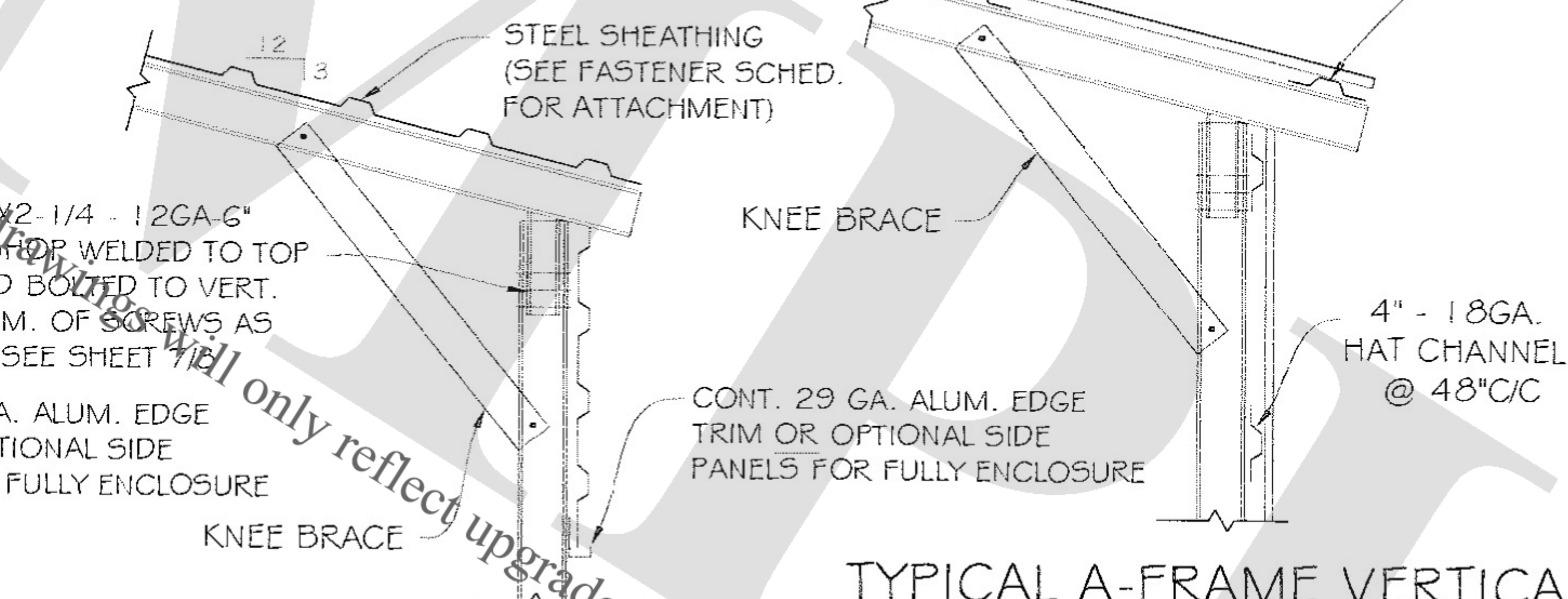
PURLIN SCHD.	
GROUND SNOW / LIVE LOAD	HAT CHANNEL SPACING
20/20	48" C/C
30/20	48" C/C
40/30	36" C/C
50/40	36" C/C
60/50	30" C/C



A-FRAME DOUBLE BOW "DB"
SECTION DETAIL

(SCALE: NTS)

1.B
3



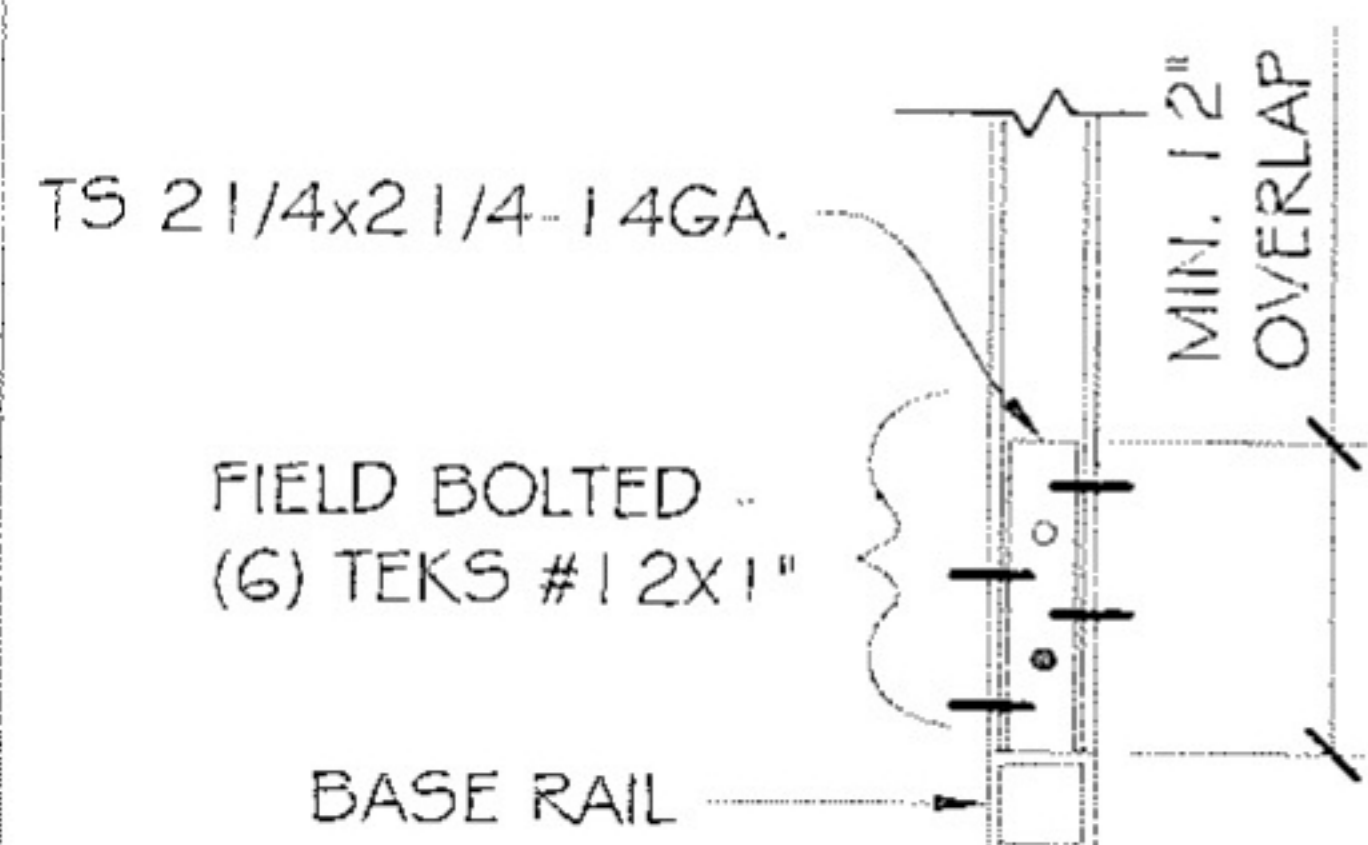
A-FRAME SINGLE BOW "SB"
SECTION DETAIL

(SCALE: NTS)

2.B
3

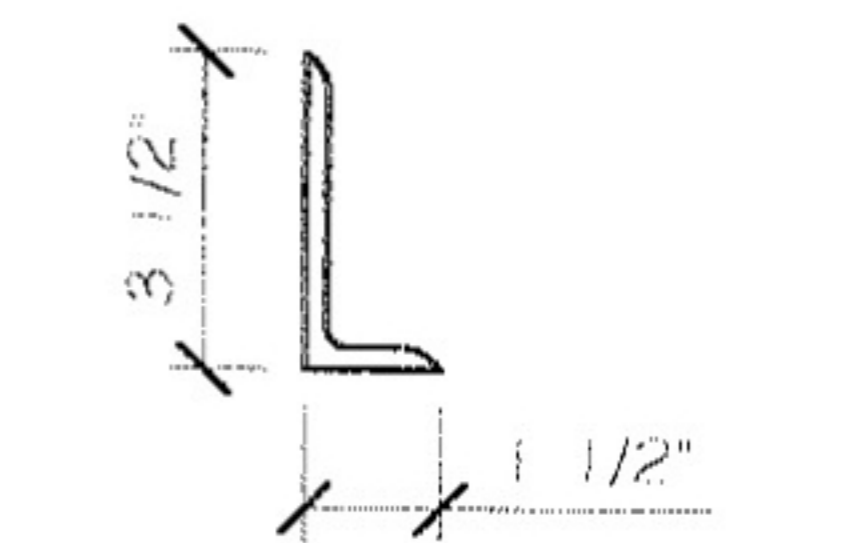
TYPICAL A-FRAME VERTICAL
SECTION DETAIL

(SCALE: NTS)



COLUMN / BASE RAIL
DETAIL

(SCALE: NTS)

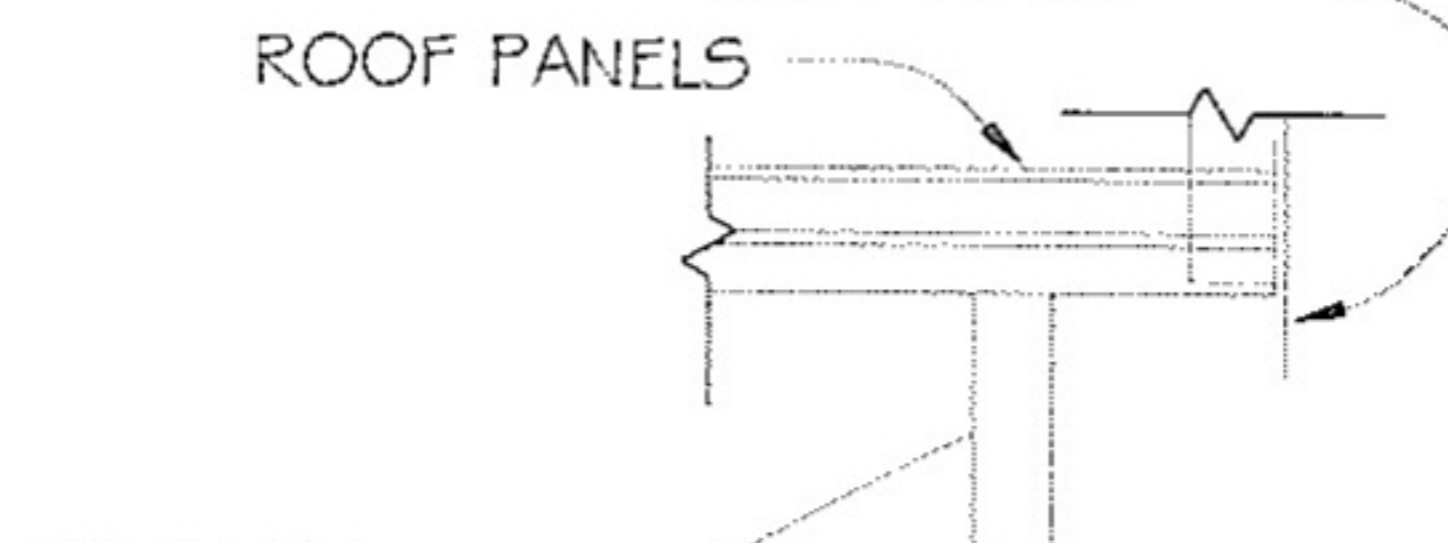


TRIM DETAIL

(SCALE: NTS)

FASTENER SCHED.
TYPE: TEKS #12X1" SCREWS W/ NEOPRENE/STEEL WASHER @ 6"C/C OF CORNER PANEL AND 8"C/C ELSEWHERE - MIN. ONE FASTENER PER SPAN AT SIDELAP PANELS MIN. 4"C/C AT EDGE LAP PANELS W/ SILICON CAULK IN BETWEEN PANELS

CONT. EDGE TRIM 2 1/2 X 2 1/2 - 29GA ALUM ANGLE ATTACH W/ TEKS SCREW W/ NEOPRENE/STEEL WASHER EVERY 2 RIBS AS NEEDED PER SHEET MFR.'S RECOMMENDATION



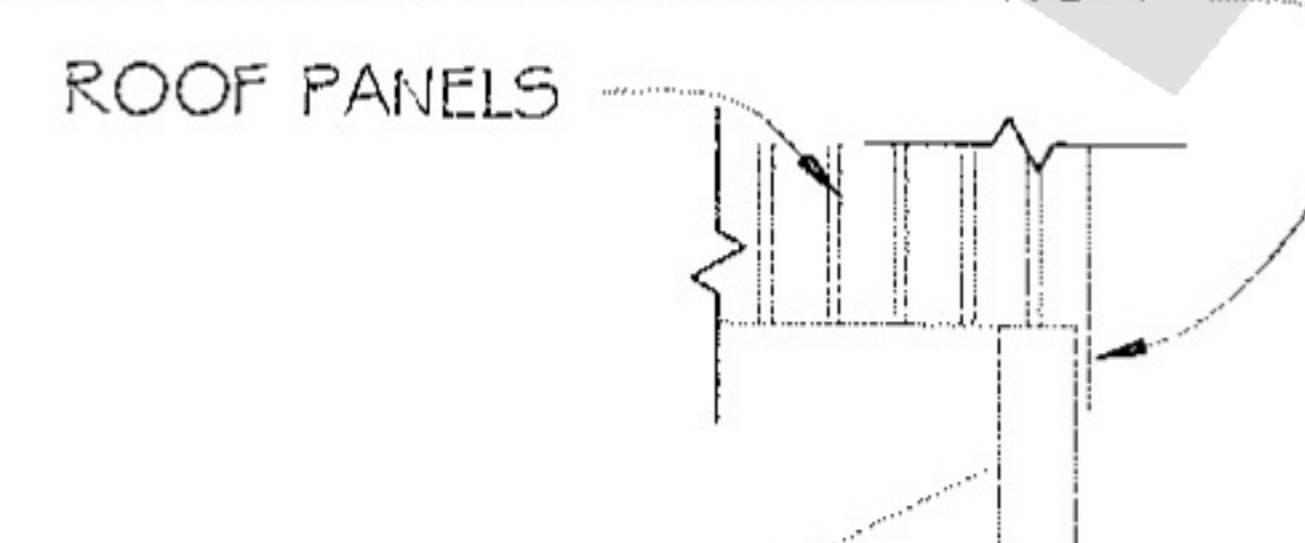
ROOF BENT (SEE SCHED. FOR TUBE SIZES)

EDGE DETAIL

(SCALE: NTS)

1
4

CONT. EDGE TRIM 2 1/2 X 2 1/2 - 29GA ALUM ANGLE ATTACH W/ TEKS SCREW W/ NEOPRENE/STEEL WASHER EVERY 2 RIBS AS NEEDED PER SHEET MFR.'S RECOMMENDATION



ROOF BENT (SEE SCHED. FOR TUBE SIZES)

EDGE DETAIL

(SCALE: NTS)

2
4

FOR:

OWNER:

LOCATION:

DESCRIPTION:

DATE:

PROJECT NUMBER:

DRAWN BY:

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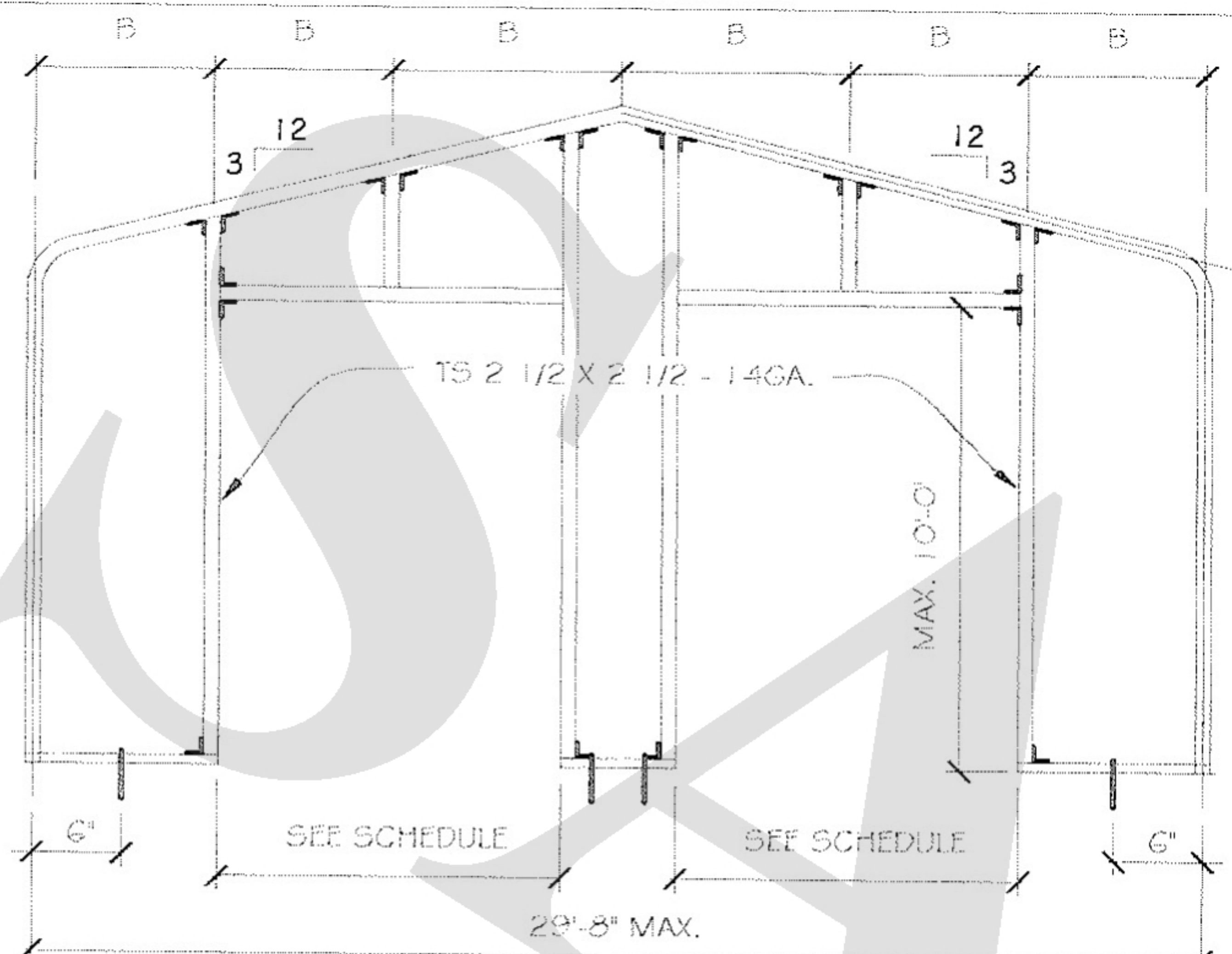
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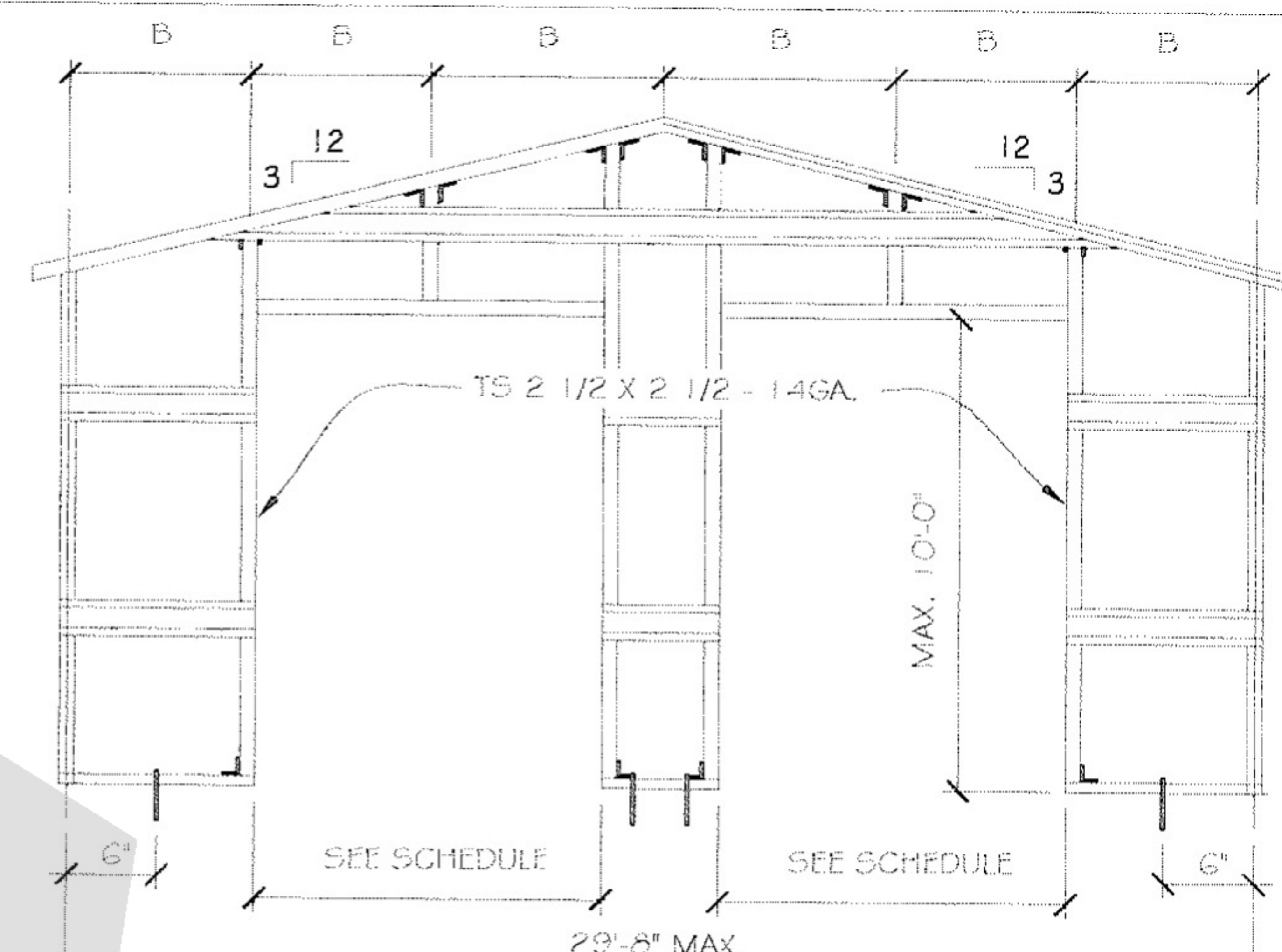
5 OF 9

SEAL

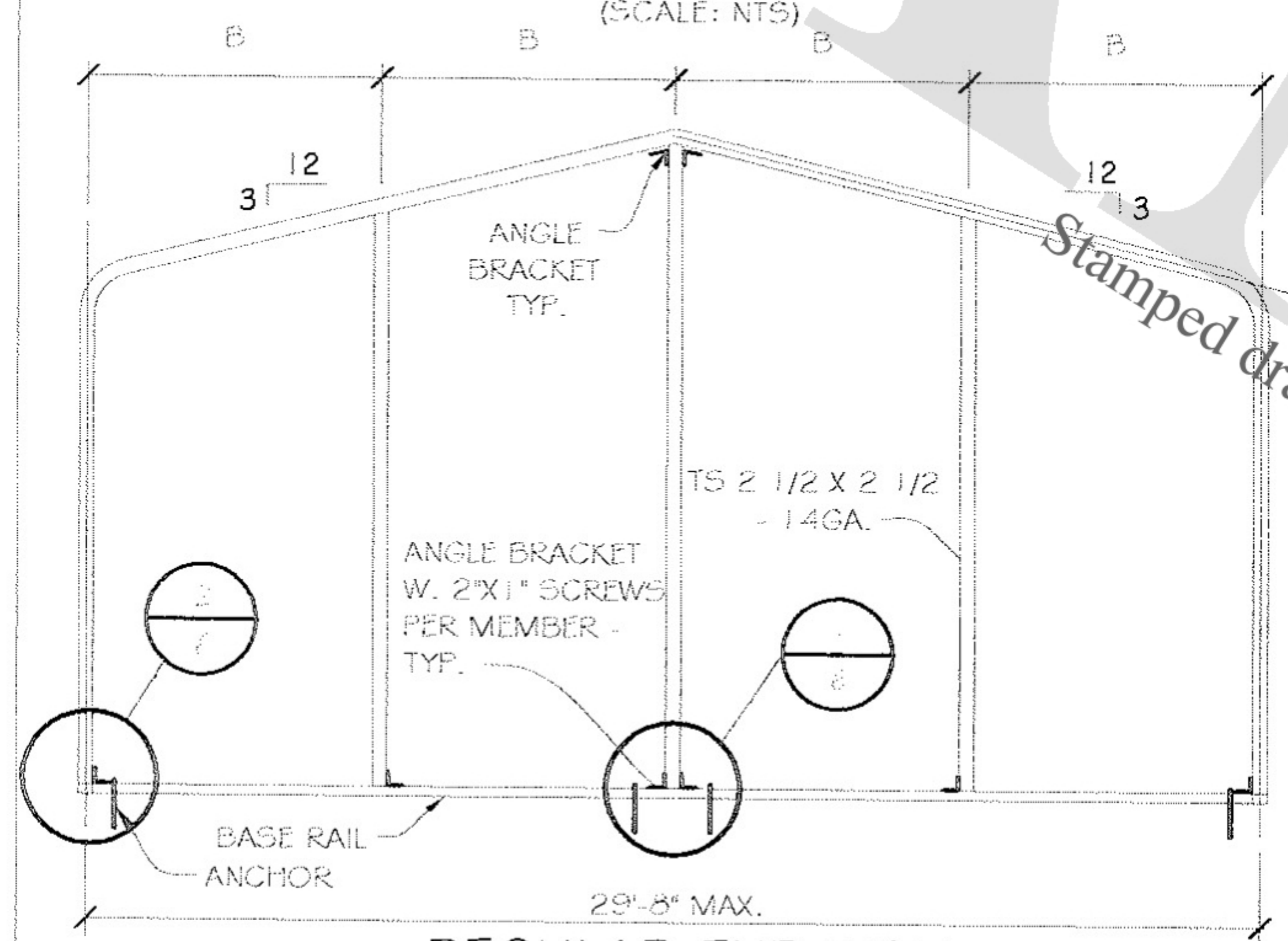
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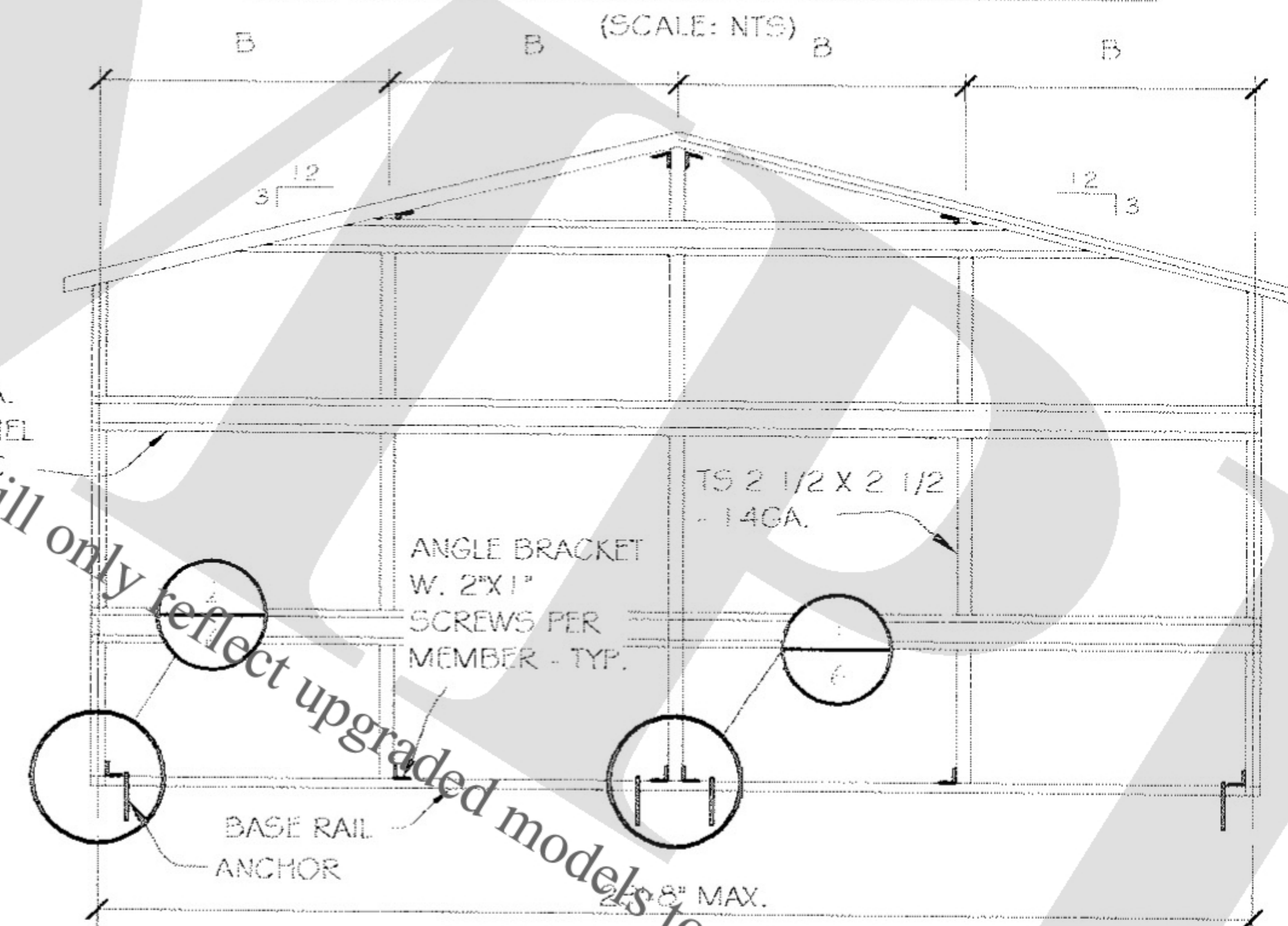
REGULAR END WALL W/ OPENINGS



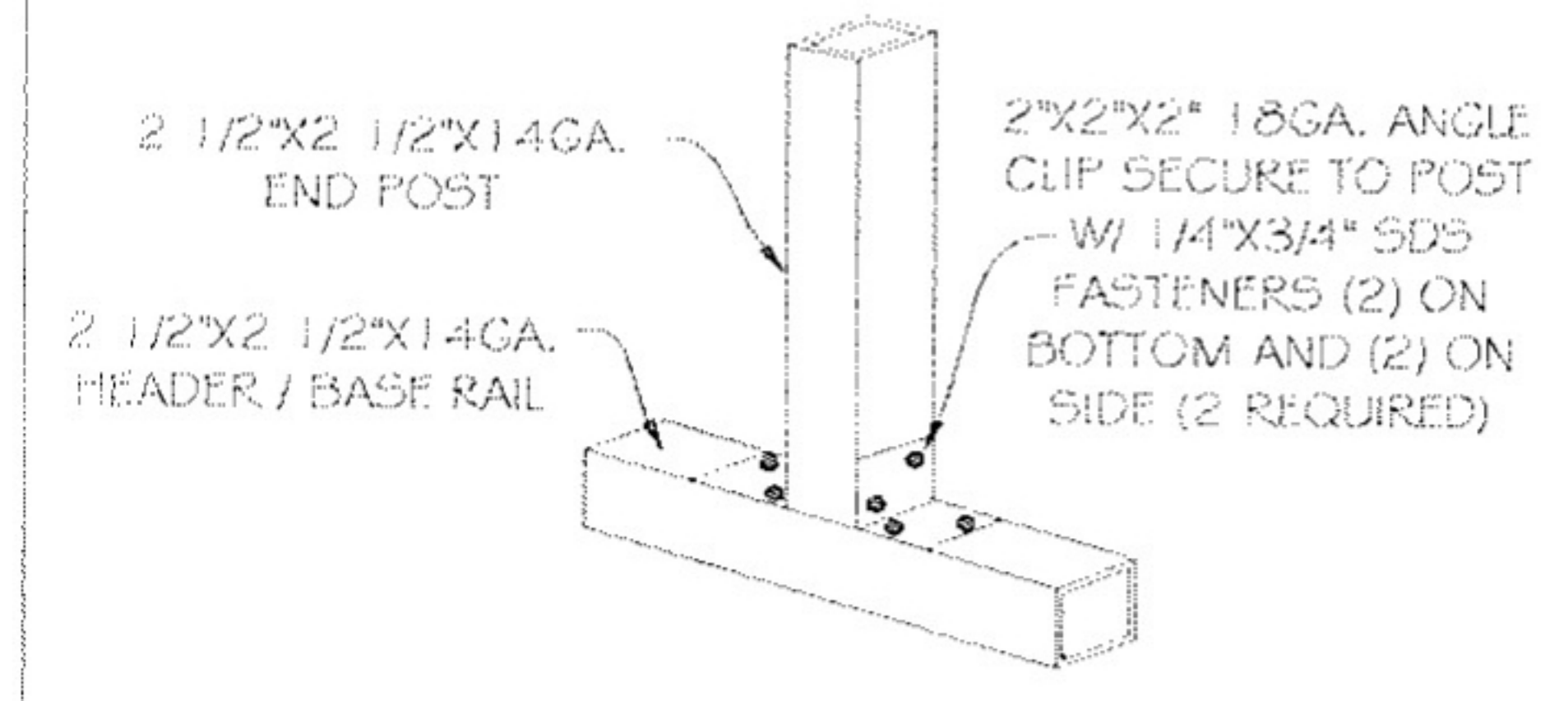
A-FRAME END WALL W/ OPENINGS



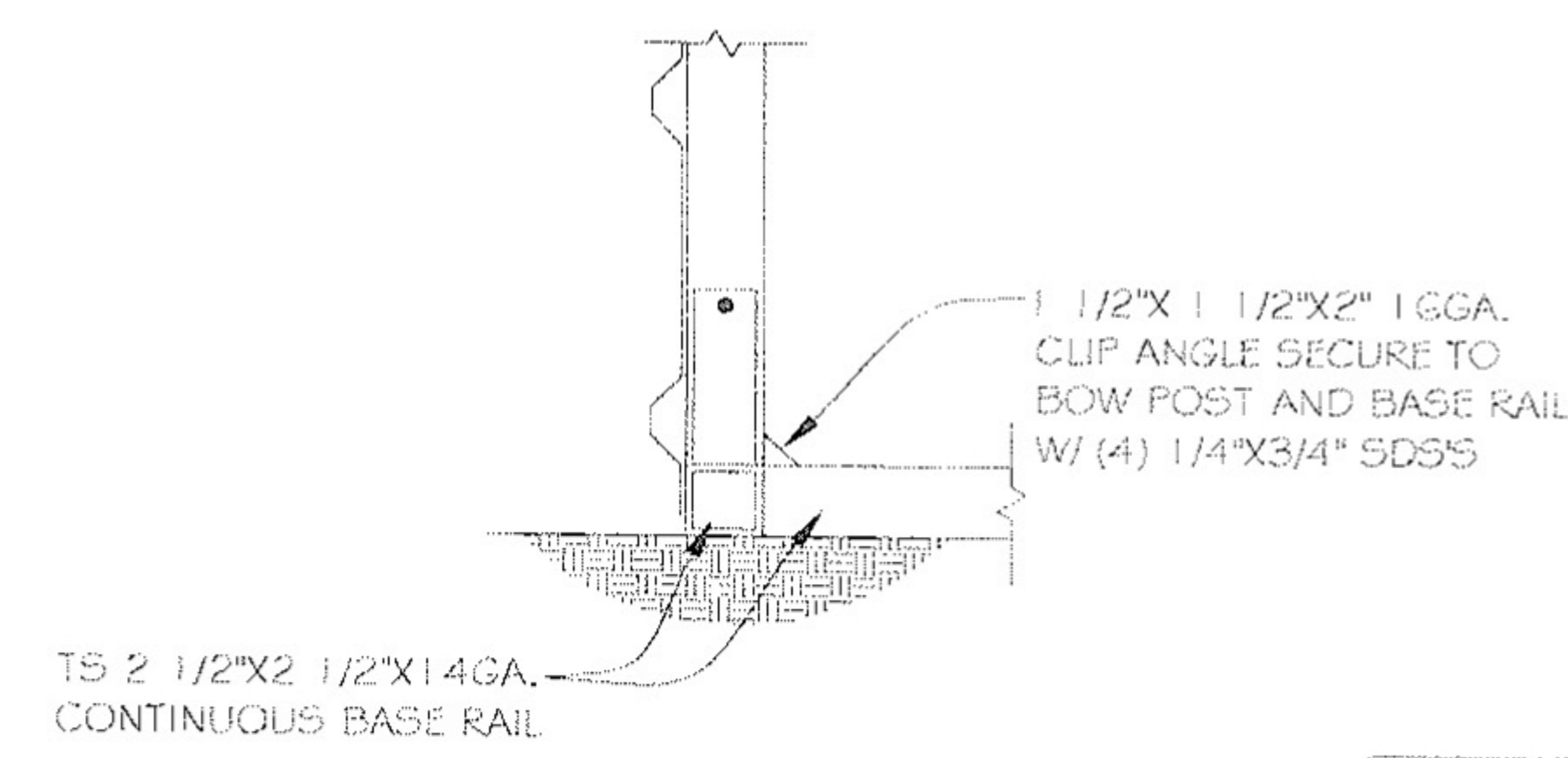
REGULAR END WALL
(SCALE: NTS)



A-FRAME END WALL
(SCALE: NTS)



SECTION
(SCALE: NTS)



SECTION
(SCALE: NTS)

MAX. END WALL OPENING

CARPORIT WIDTH	MAX. DOOR WIDTH	HEADER SIZE
12'-16'	8'	TS 2 1/4X 2 1/4 - 12GA.
18'	10'	TS 2 1/4X 2 1/4 - 12GA.
20'-22'	12'	TS 2 1/4X 2 1/4 - 12GA.
24'-30'	14'	DBL TS 2 1/4X 2 1/4 - 14GA.

MAX. POST SPACING 'B' (END WALL SCHEDULE)

WIND	POST SPACING "B"	ANCHORS
90 - 110	5'-0" C/C	EVERY OTHER BAY "B"

FOR:

OWNER:

LOCATION:

DESCRIPTION:

DATE:

PROJECT NUMBER:

DRAWN BY:

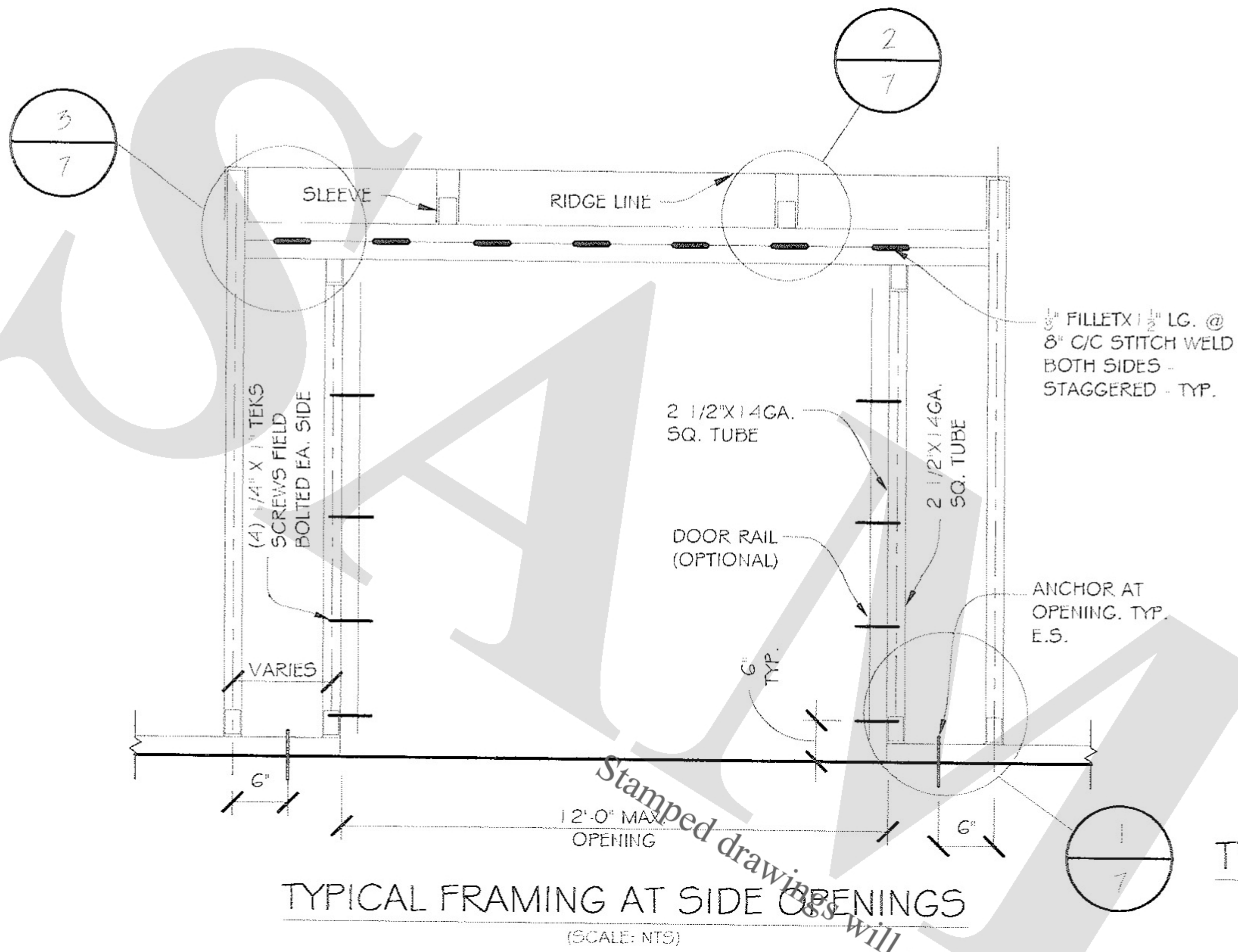
CHECKED BY:

DRAWING TITLE:

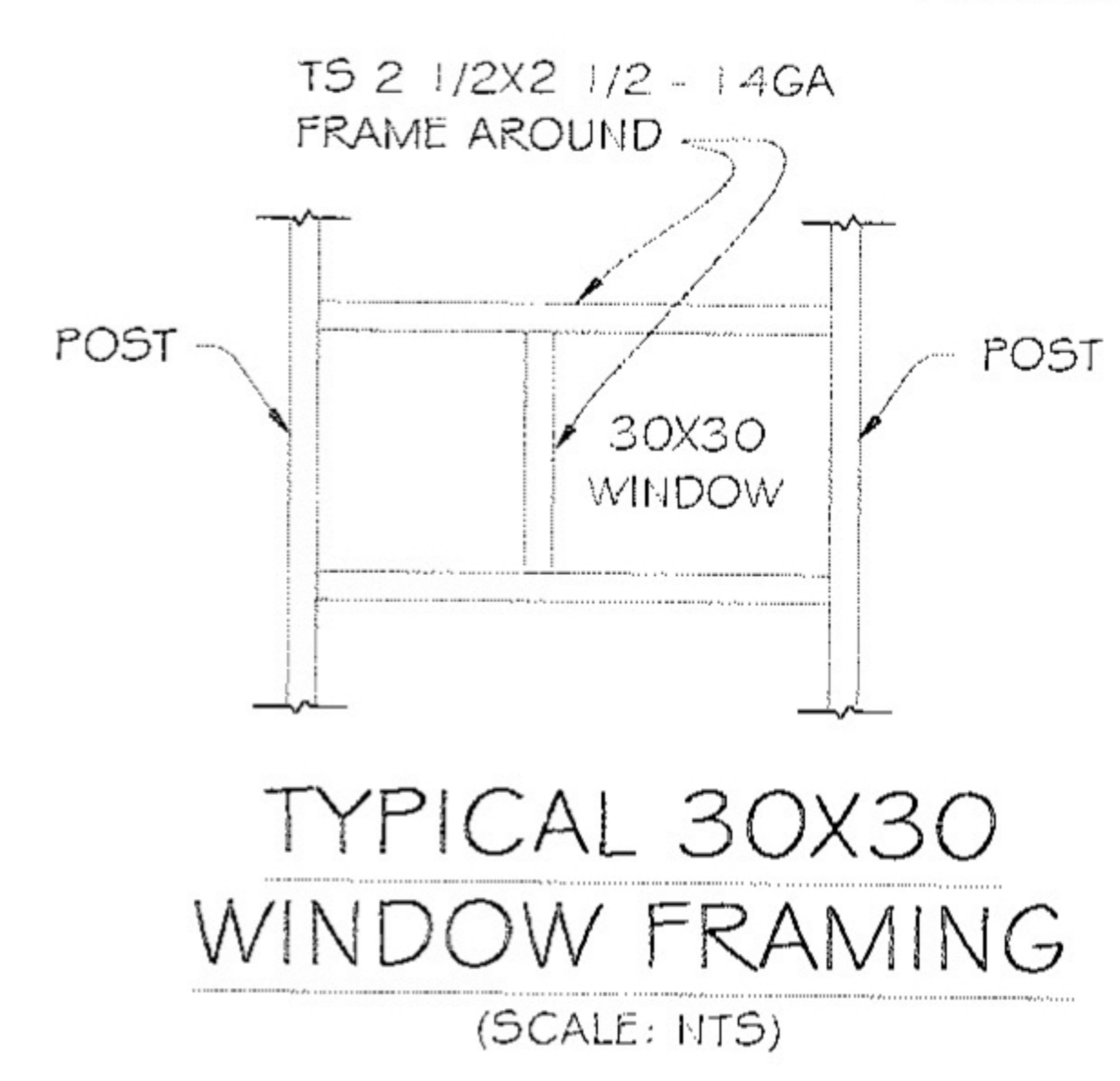
SHEET NO.: 6 OF 9

SEAL

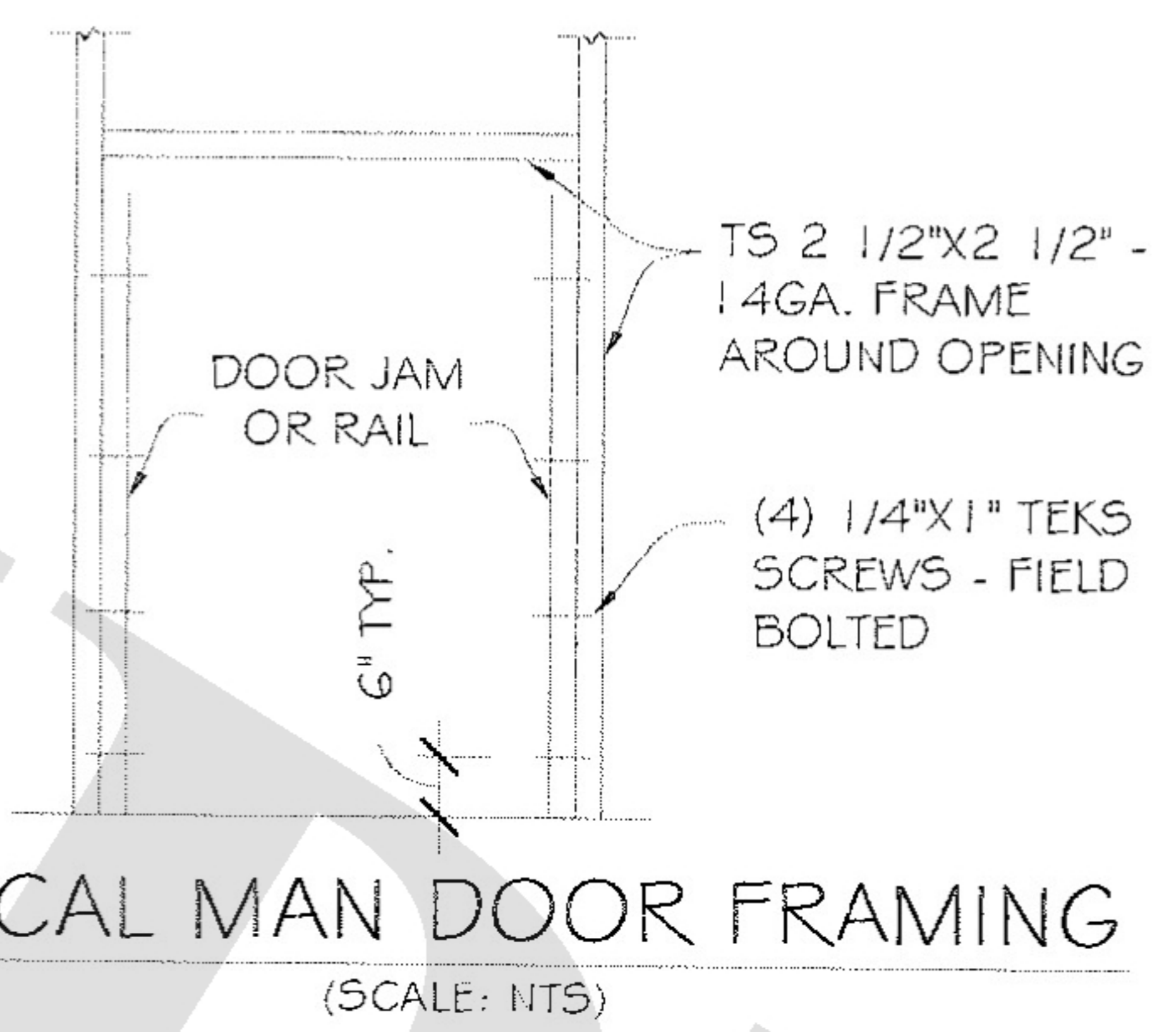
DATE SIGNED:



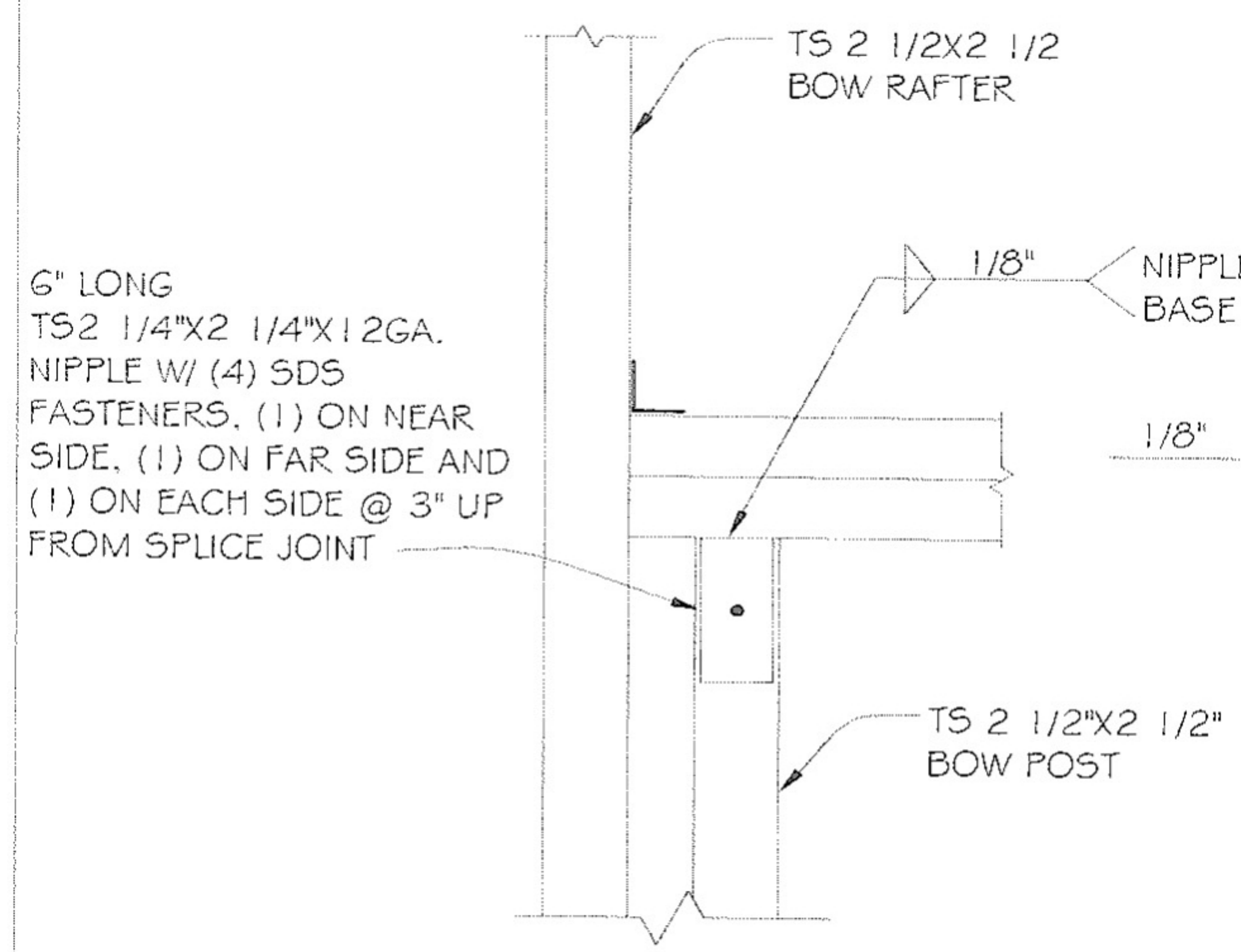
TYPICAL FRAMING AT SIDE OPENINGS
(SCALE: NTS)



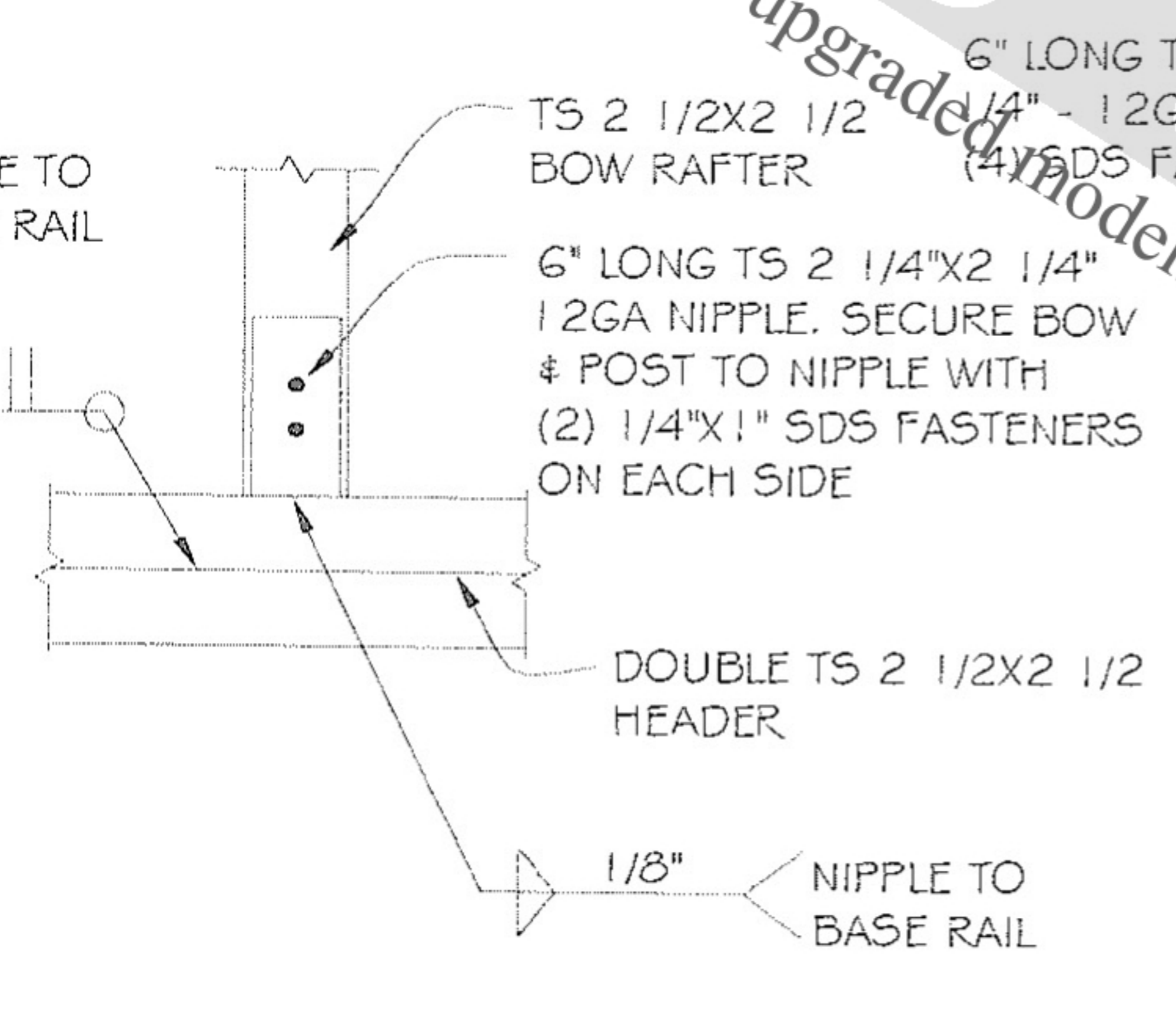
TYPICAL 30X30 WINDOW FRAMING
(SCALE: NTS)



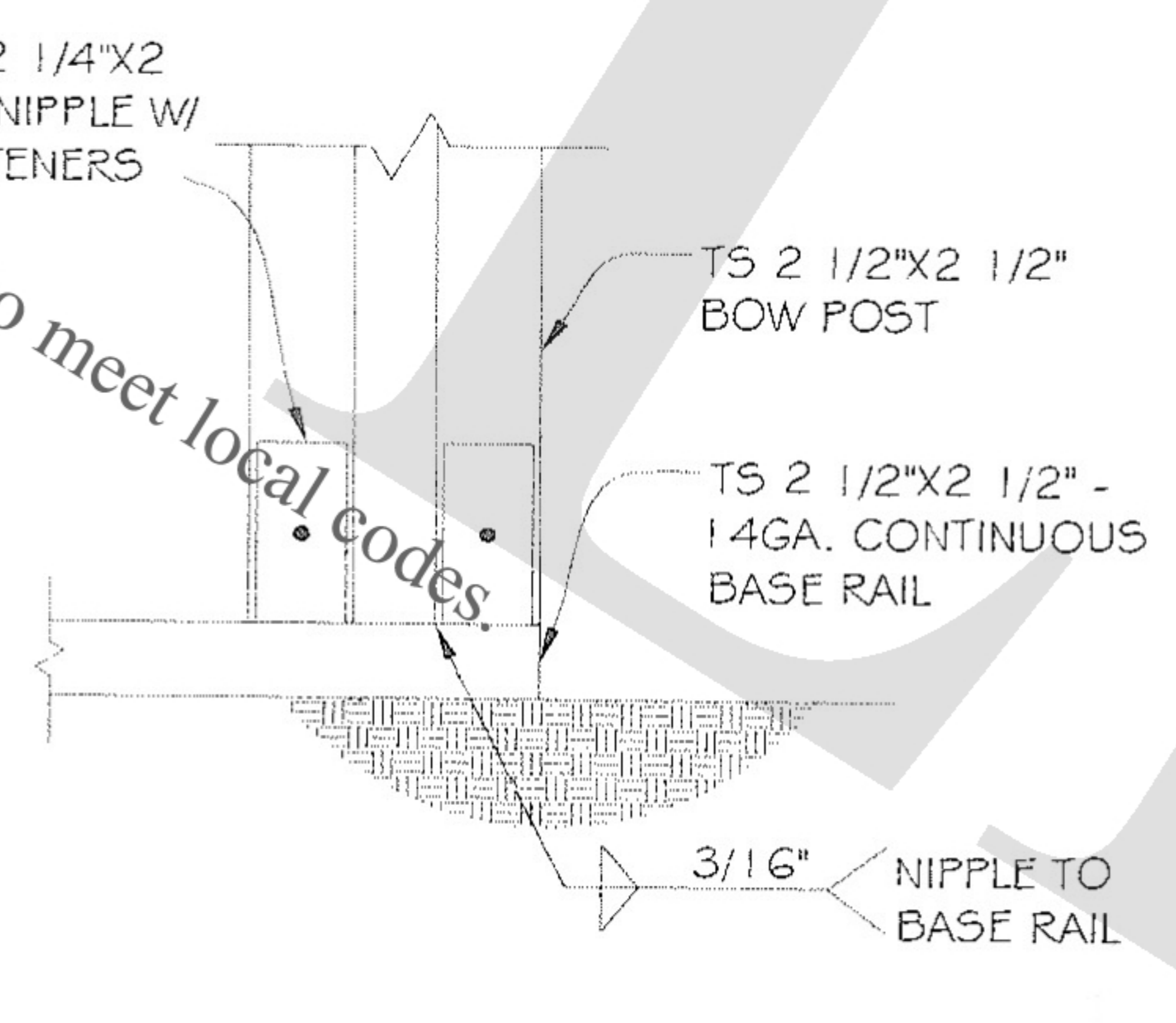
TYPICAL MAN DOOR FRAMING
(SCALE: NTS)



BOW/POST DETAIL
(SCALE: NTS)



BOW/BASE RAIL CONN. DETAIL
(SCALE: NTS)



BOW/HEADER DETAIL
(SCALE: NTS)

FOR:

OWNER:

LOCATION:

DESCRIPTION:

DATE:

PROJECT NUMBER:

DRAWN BY:

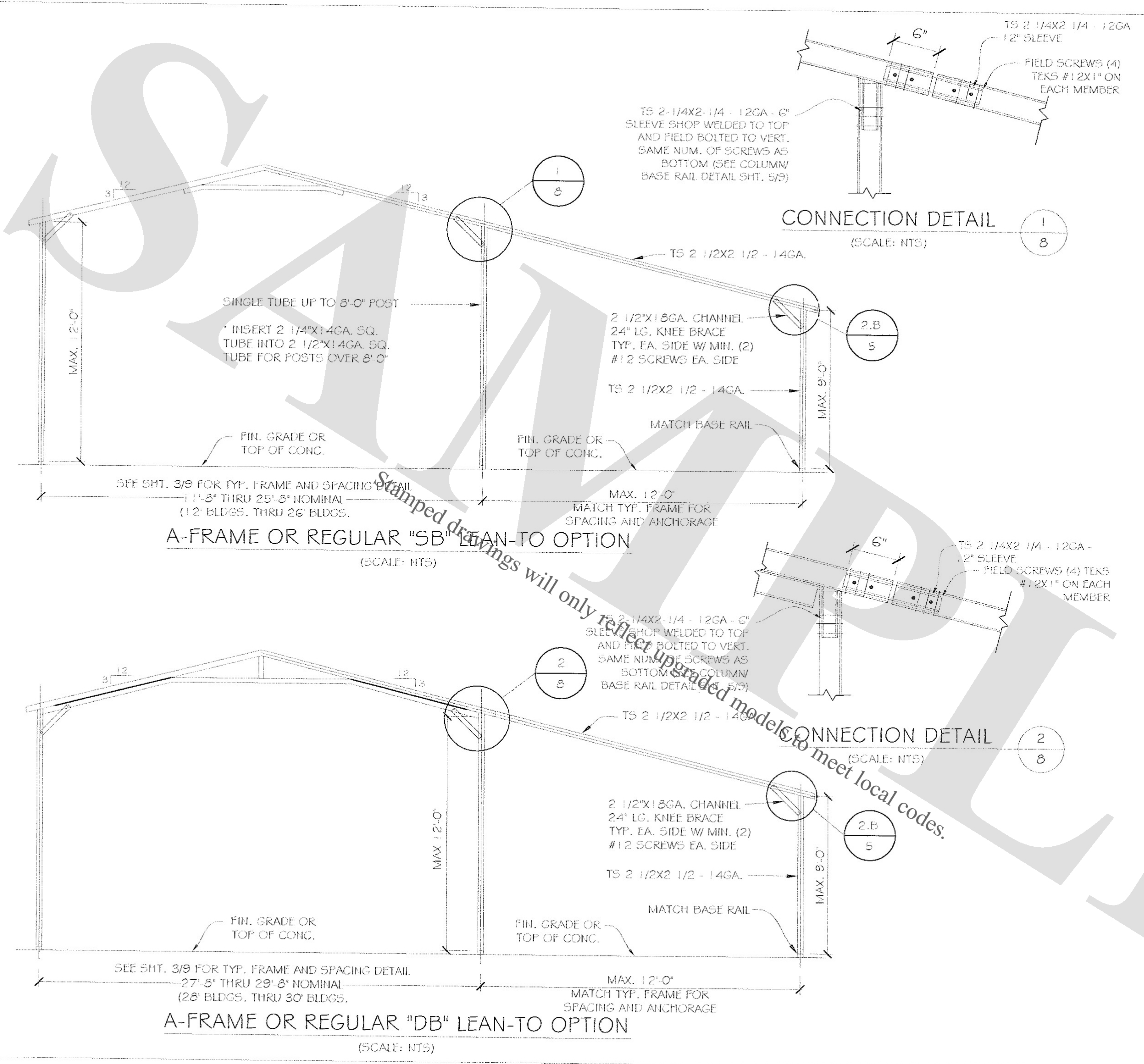
CHECKED BY:

DRAWING TITLE:

SHEET NO.: 7 OF 9

SEAL

DATE SIGNED:



FOR:

OWNER:

LOCATION:

DESCRIPTION:

DATE:

PROJECT NUMBER:

DRAWN BY:

CHECKED BY:

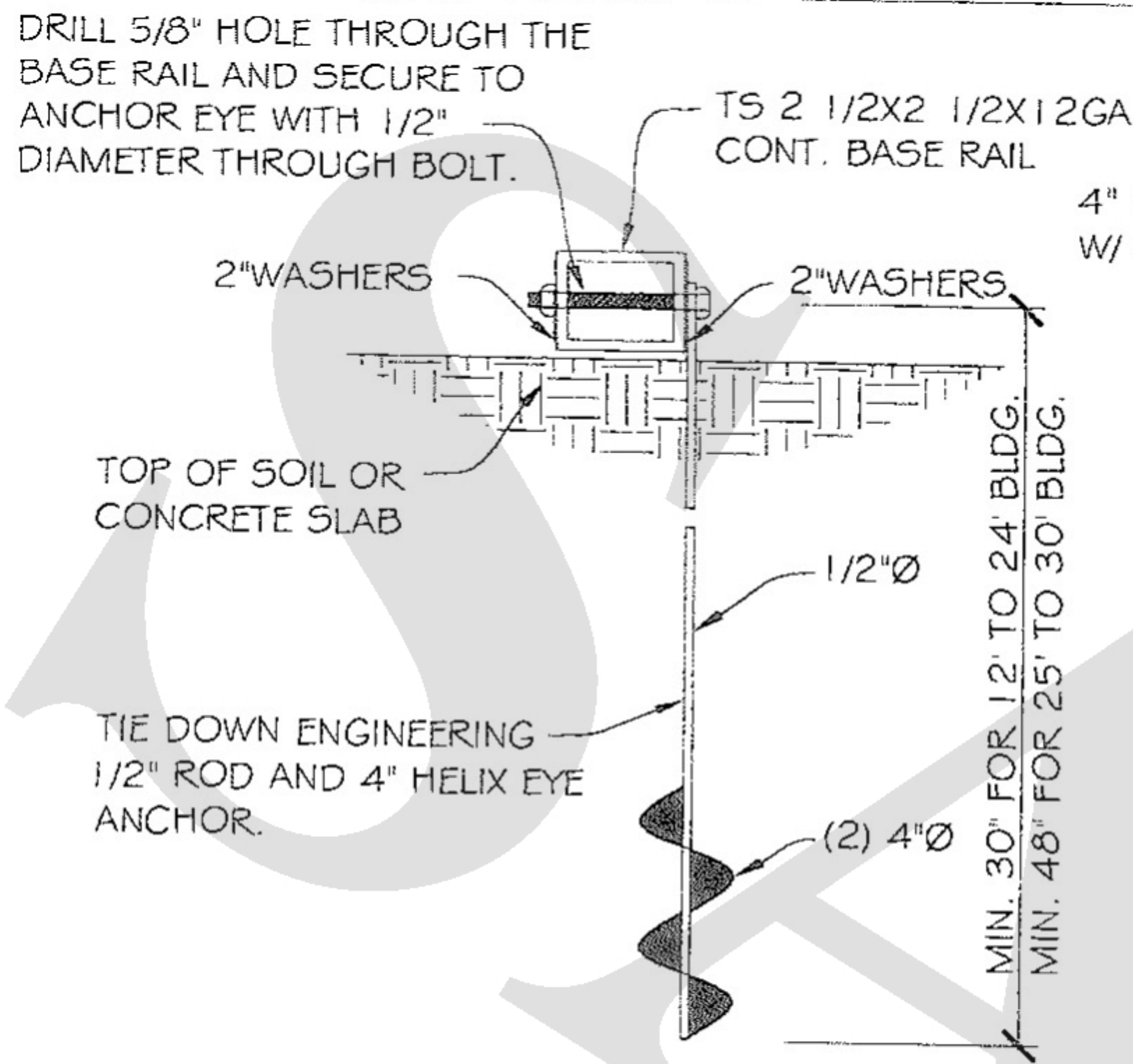
DRAWING TITLE:

SHEET NO.: **8 OF 9**

SEAL

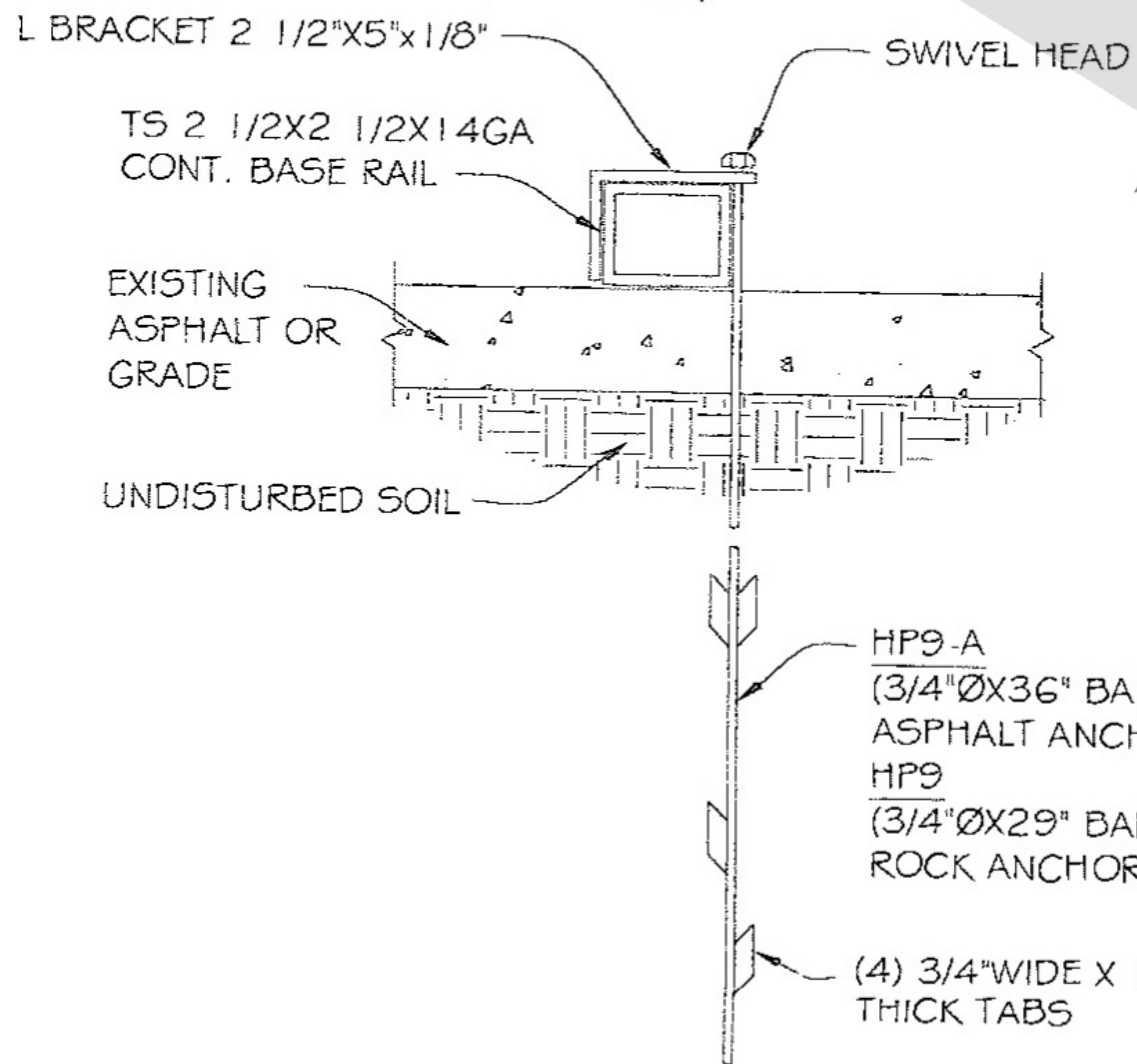
DATE SIGNED:

Stamped drawings will only reflect upgraded models to meet local codes.



OPTIONAL MOBILE HOME ANCHOR FOR SAND/CLAY

(SCALE: NTS)



OPTIONAL ASPHALT/ ROCK ANCHOR DETAIL

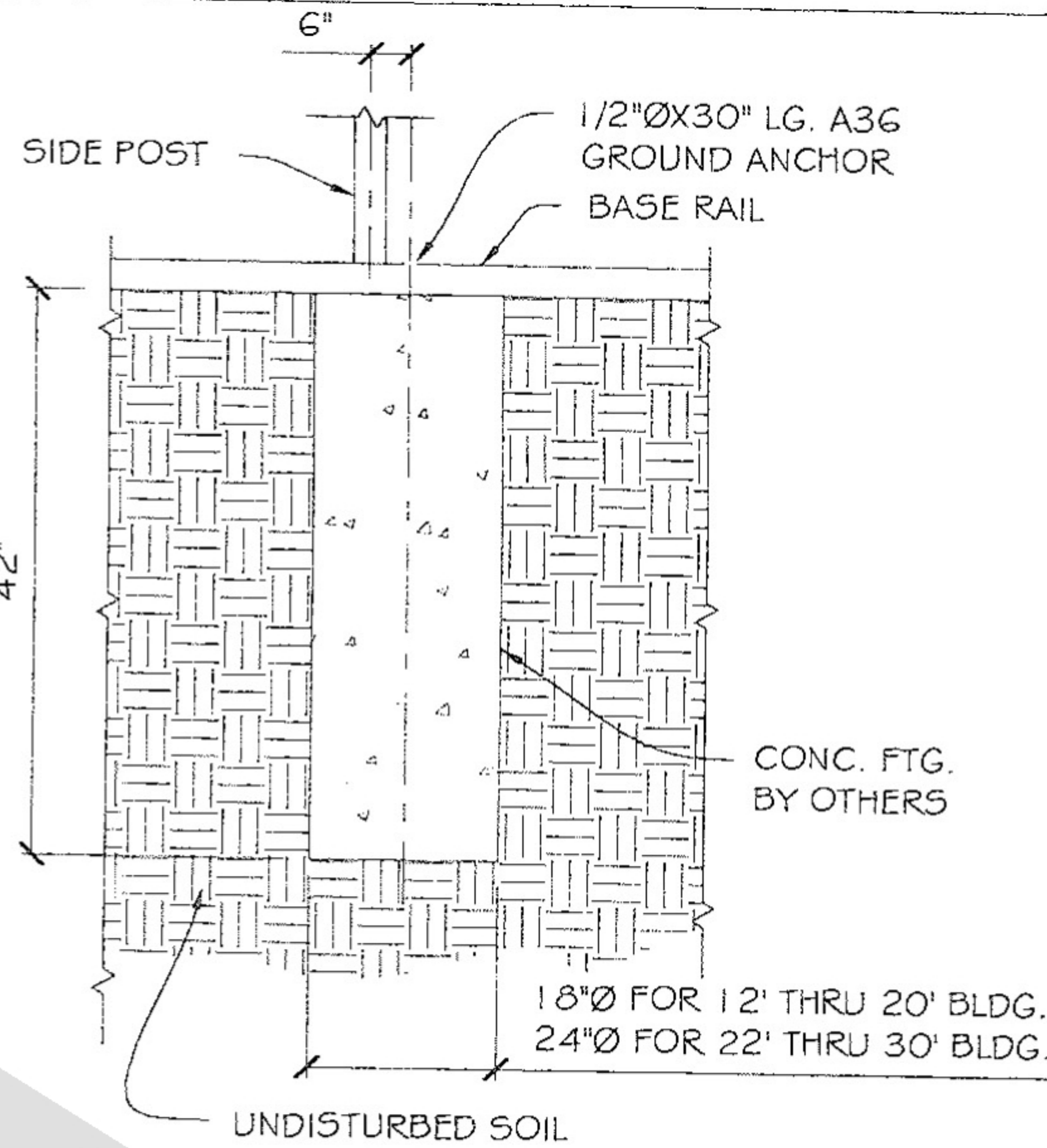
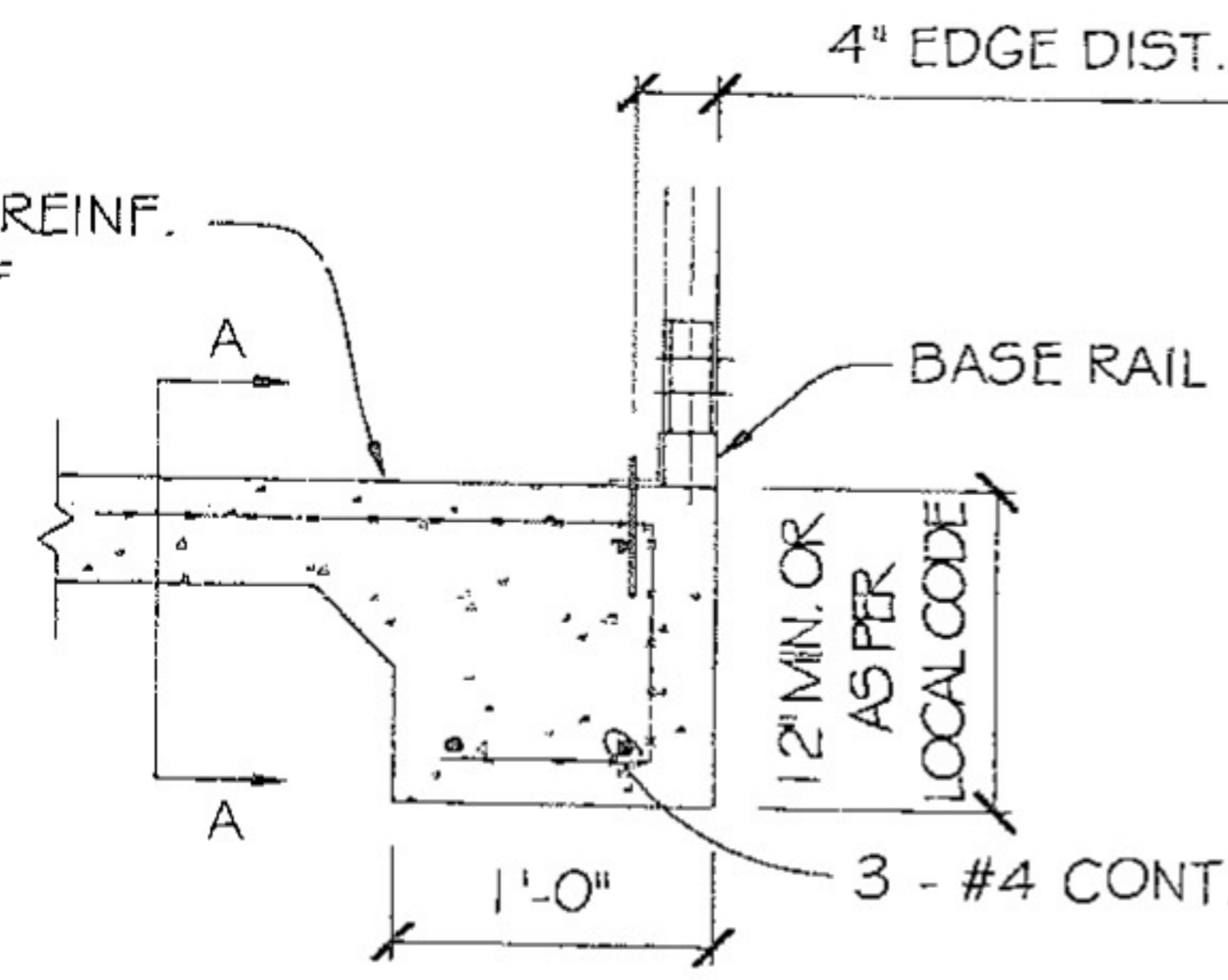
(SCALE: NTS)

ANCHOR SIZE OPTIONS SCHEDULE

	WIND SPEED (MPH)	REMARKS	CARPORT WIDTH
	90 - 110		
1	1/2" Ø X 20"	THRD. ROD EMBED IN CONC	ALL SIZES
2	1/2" Ø X 7"	INSERT W/ EPOXY IN CONC.	ALL SIZES
3	1/2" Ø X 7"	EXPANSION BOLTS	ALL SIZES
4	1/2" Ø X 7"	WEDGE ANCHORS IN CONC.	ALL SIZES

BASE OPTIONAL ANCHOR ON CONC. SLAB SECTION

(SCALE: NTS)



PIN ANCHOR DETAIL ON CONCRETE PIER FOOTING

(SCALE: NTS)

NOTE: ON LEVEL GRADE, DIG A 24" Ø HOLE 42" DEEP AT EACH ANCHOR POINT. REPOSITION BASE RAILS OVER HOLES AND DROP A GROUND ANCHOR THROUGH EACH HOLE IN BASE RAILS. FILL EACH HOLE W/ 2500 PSI CONCRETE.

SOIL CLASSIFICATIONS: *

SOIL CLASS	SOIL DESCRIPTION
2	VERY DENSE #7 OR CEMENTED SANDS, COURSE GRAVEL AND COBBLES, COLLICHE, PRELOADED SILT AND CLAYS
3	MEDIUM DENSE COARSE SANDS, SANDY GRAVELS, VERY STIFF SILTS, AND CLAYS
4	LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS ALLUVIAL FILL AND VERY LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS, ALLUVIAL FILL.

HELICAL ANCHOR SHALL BE APPROVED FOR USE IN SOIL CLASSIFICATIONS 2,3, AND 4.

*TAKEN FROM HUD "STANDARD FOR INSTALLATION OF MOBILE HOMES"

NOTE:

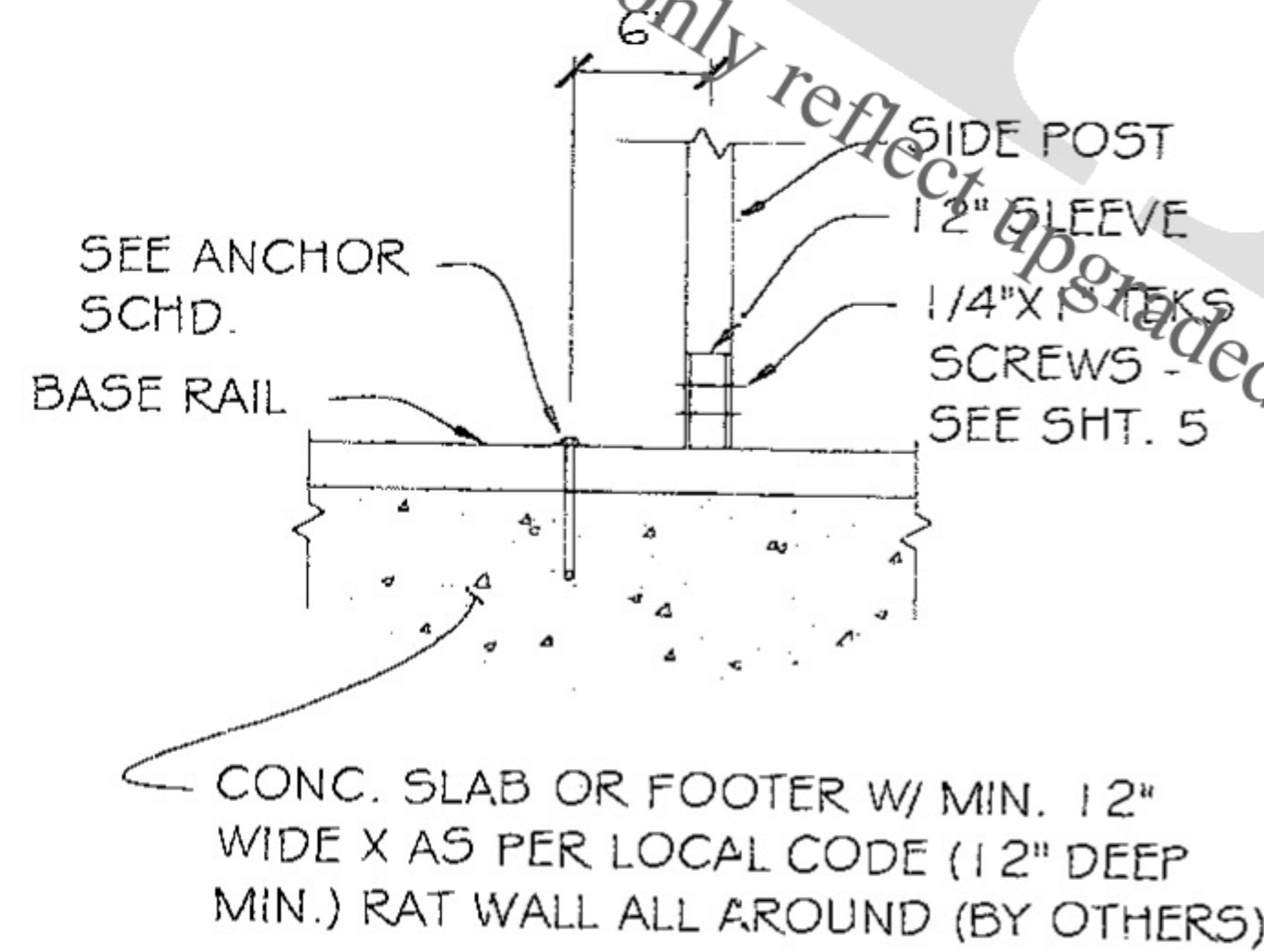
- 1: SEE SHT. 2 AND 6 FOR ANCHOR REQUIREMENTS
- 2: ASSUMED SOIL BEARING CAPACITY IS 1500 PSF
- 3: CONCRETE STRENGTH TO BE 2500 PSI AT 28 DAYS

WEST COAST METAL BLDGS. IS NOT RESPONSIBLE FOR GROUND AND/OR CONCRETE (SUPPLIED BY OTHERS) ASPHALT/ROCK ANCHORS (OPTIONAL ANCHOR TYPE)

Stamped drawings will only reflect upgraded models to meet local codes

ALTERNATE, FRAME FLUSH W/ CONC.

(SCALE: NTS)



SECTION A-A

(SCALE: NTS)

FOR:

OWNER:

LOCATION:

DESCRIPTION:

DATE:

PROJECT NUMBER:

DRAWN BY:

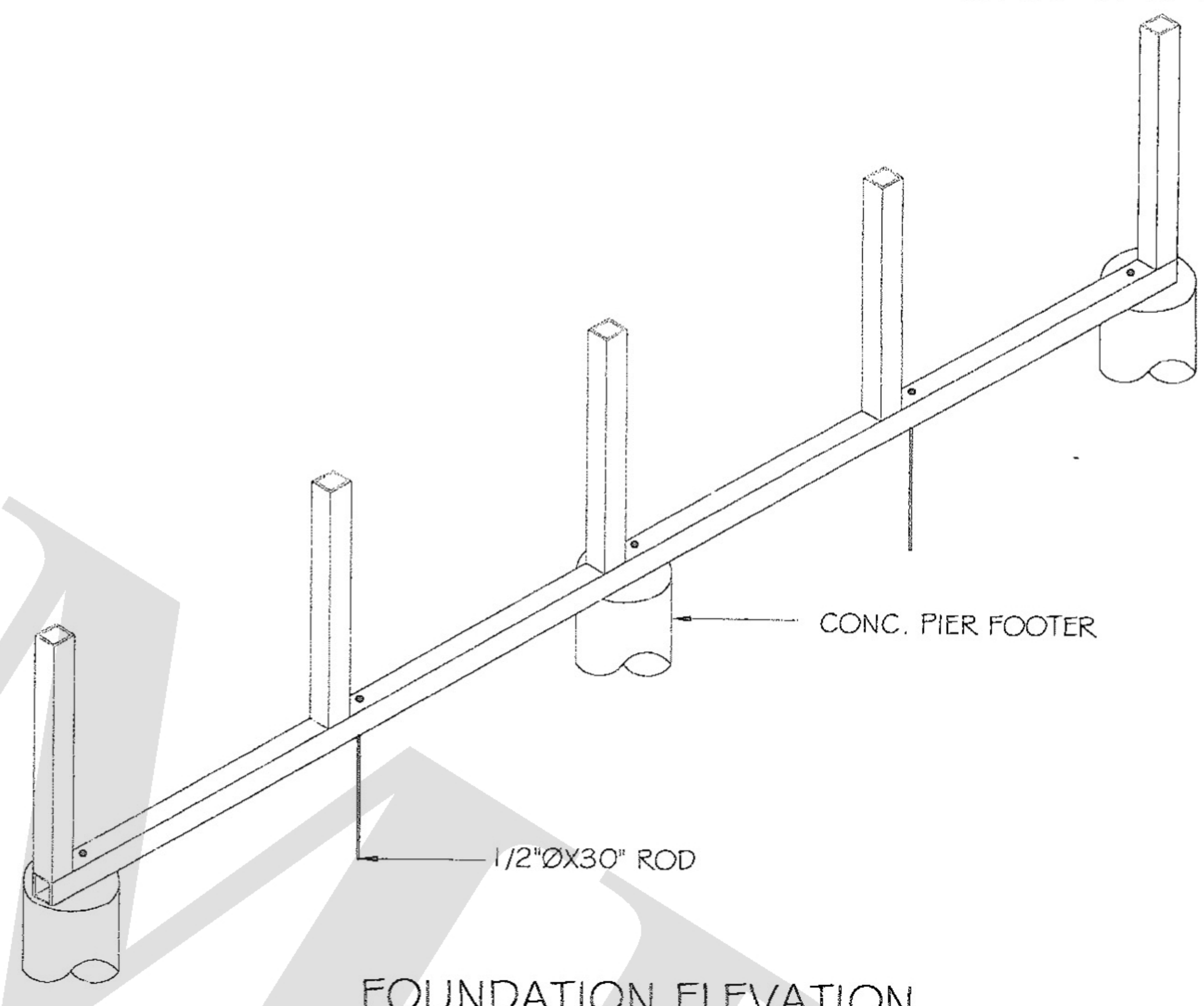
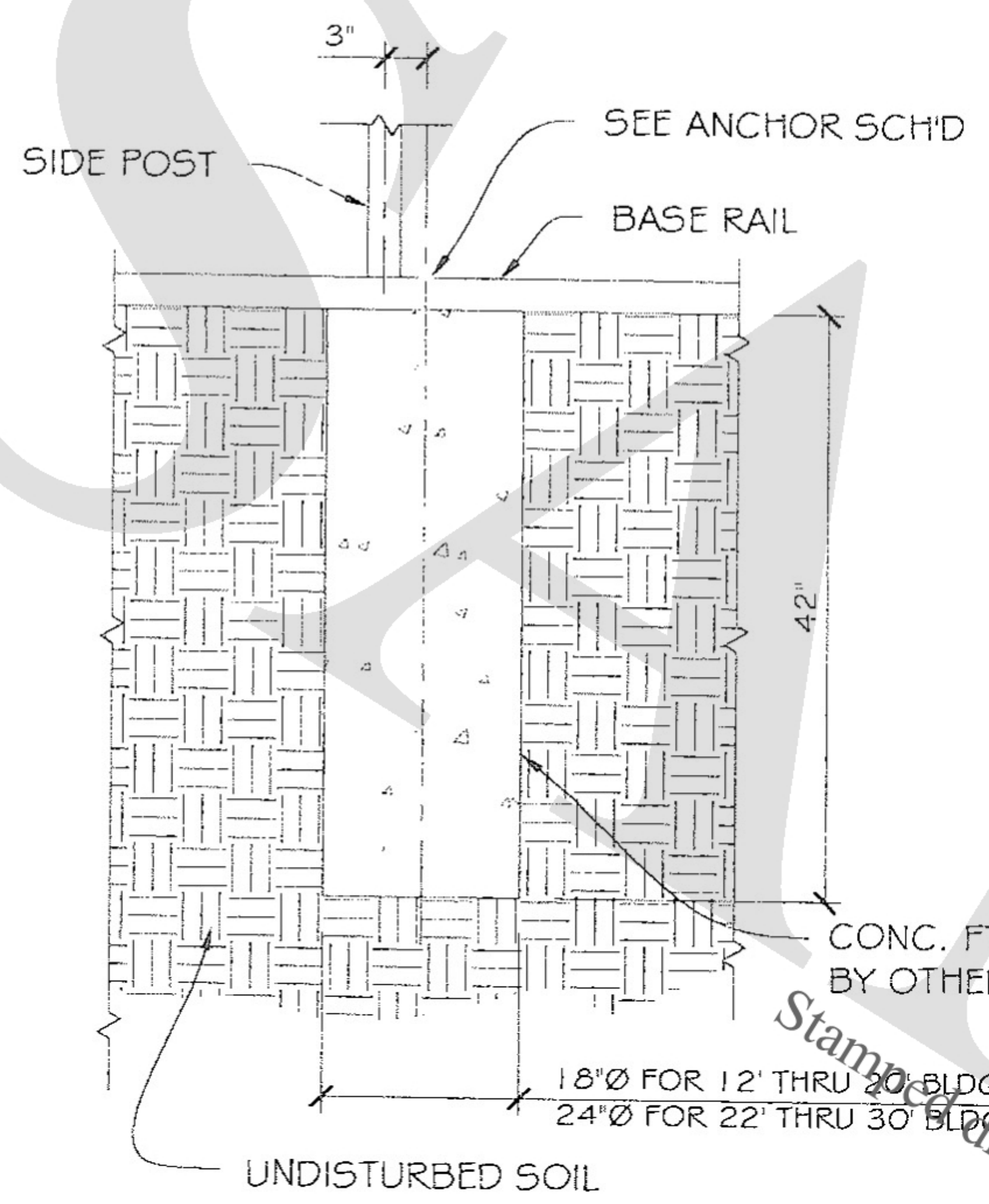
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SHEET NO.: **9 OF 9**

SEAL

DATE SIGNED:



PIN ANCHOR DETAIL ON CONCRETE PIER FOOTING

SCALE: NTS
TYP. AT EVERY ANCHORED POST

NOTES:

1. CONCRETE PIERS SHALL BE REQUIRED AT ALL CORNER POSTS AND AT EVERY OTHER POST BUT SHALL NOT EXCEED 10'-0" C/C SPACING IN ANY DIRECTION
2. ALL OTHER POSTS WITH NO CONCRETE PIER ANCHOR SHALL BE ANCHORED TO THE GROUND WITH 3/4" X 30" LG. ROD. RODS SHALL HAVE A WELDED NUT AT TOP AND ONE COAT OF RUST PROVE PRIMER PAINT.
3. ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. 1500 PSF
4. CONCRETE STRENGTH TO BE A MIN. OF 2500 PSI AT 28 DAYS

ANCHOR SIZE OPTIONS SCHEDULE

	WIND SPEED (MPH)	REMARKS	CARPORT WIDTH
	90 - 110		
1	1/2"ØX20"	THRD. ROD EMBED IN CONC	ALL SIZES
2	1/2"ØX7"	INSERT W/ EPOXY IN CONC.	ALL SIZES
3	1/2"ØX7"	EXPANSION BOLTS	ALL SIZES
4	1/2"ØX7"	WEDGE ANCHORS IN CONC.	ALL SIZES

FOR:

OWNER:

LOCATION:

DESCRIPTION:

DATE:

PROJECT NUMBER:

DRAWN BY:

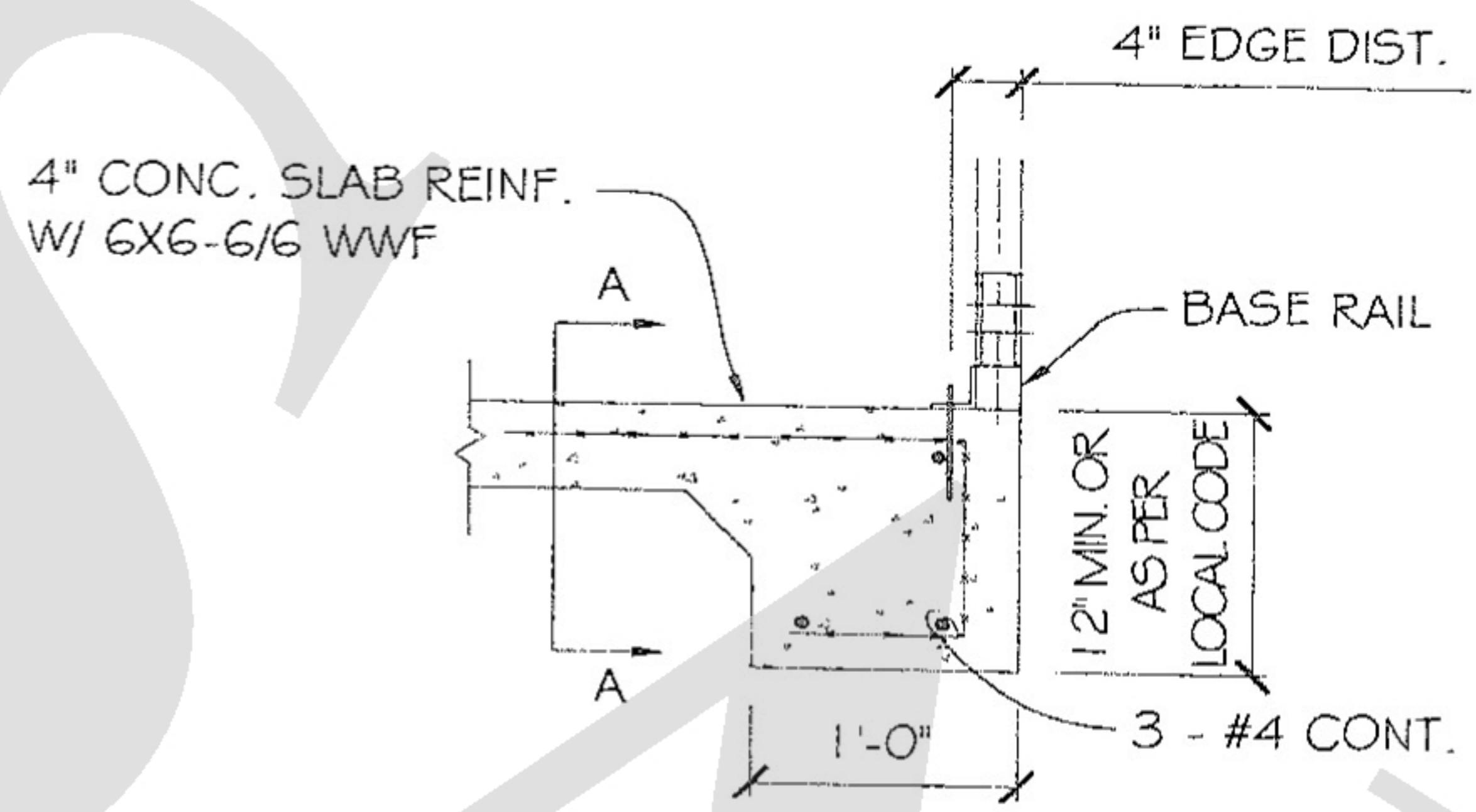
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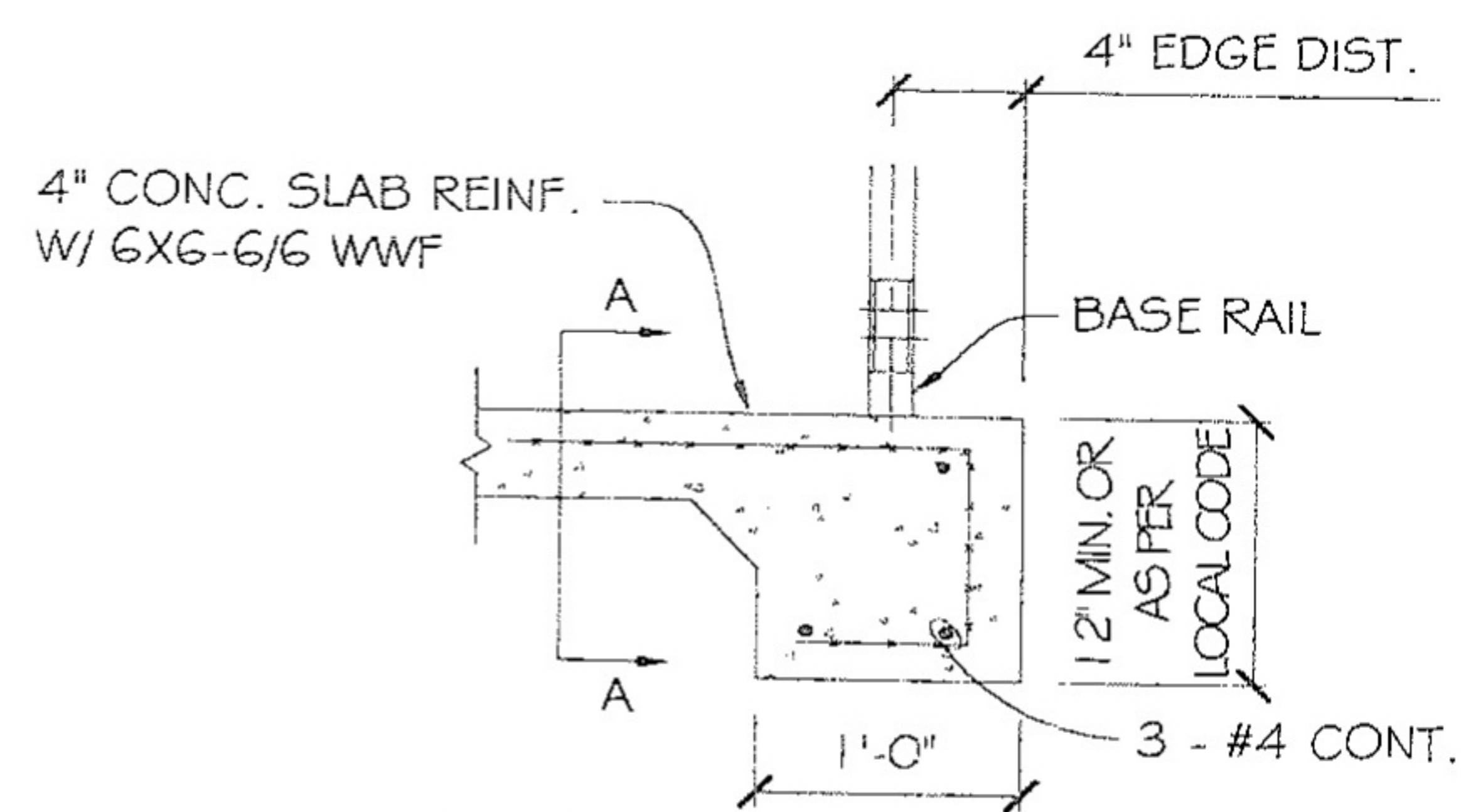
SHEET NO.: **9 OF 9**

SEAL

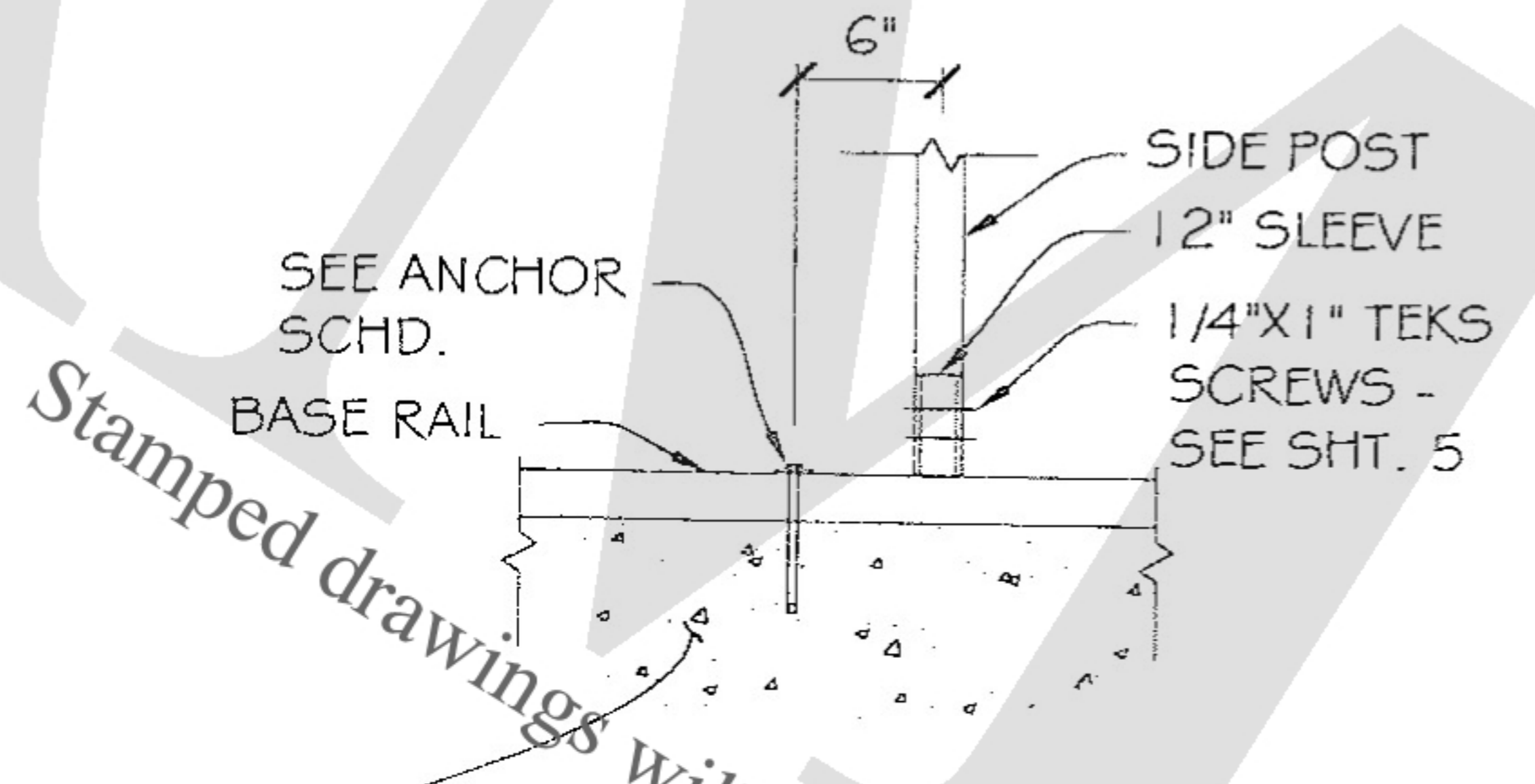
DATE SIGNED:



BASE OPTIONAL ANCHOR ON CONC. SLAB SECTION
(SCALE: NTS)



ALTERNATE, FRAME FLUSH W/ CONC.
(SCALE: NTS)



CONC. SLAB OR FOOTER W/ MIN. 12" WIDE X AS PER LOCAL CODE (12" DEEP MIN.) RAT WALL ALL AROUND (BY OTHERS)

SECTION A-A
SCALE: NTS

ANCHOR SIZE OPTIONS SCHEDULE

	WIND SPEED (MPH)	BASE ANCHOR	ALTERNATE ANCHOR	REMARKS	CARPORT WIDTH
	90 - 110	90 - 110	90 - 110		
1	1/2"Ø	7"	5"	INSERT W/ EPOXY IN CONC.	ALL SIZES
2	1/2"Ø	7"	5"	EXPANSION BOLTS	ALL SIZES
3	1/2"Ø	7"	5"	WEDGE ANCHORS IN CONC.	ALL SIZES

- NOTE:**
1. PROVIDE A MIN. OF (1) ANCHOR AT ±6" FROM CENTER OF EACH POST
 2. ALL ANCHORS SHALL BE A307 OR BETTER
 3. ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. 1500 PSF
 4. CONCRETE STRENGTH TO BE A MIN. OF 2500 PSI AT 28 DAYS

FOR:

OWNER:

LOCATION:

DESCRIPTION:

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DATE SIGNED:

DRILL 5/8" HOLE THROUGH THE BASE RAIL AND SECURE TO ANCHOR EYE WITH 1/2" DIAMETER THROUGH BOLT.

TS 2 1/2X2 1/2X1 2GA CONT. BASE RAIL

2"WASHERS 2"WASHERS

TOP OF SOIL OR CONCRETE SLAB

TIE DOWN ENGINEERING 1/2" ROD AND 4" HELIX EYE ANCHOR.

1/2"Ø

(2) 4"Ø

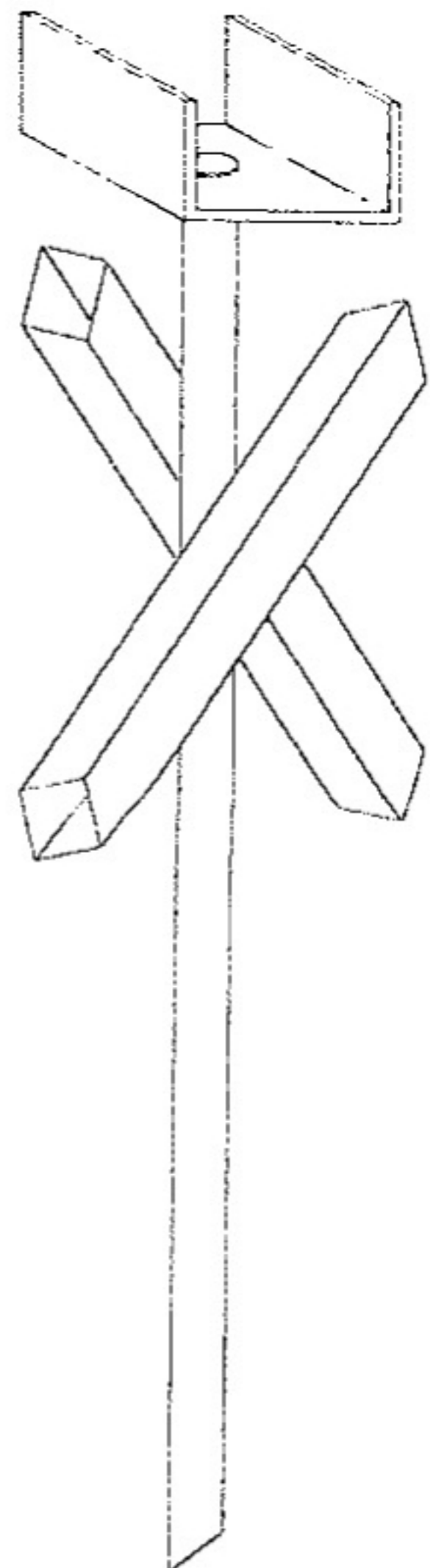
MIN. 30" FOR 12" TO 24" BLDG.
MIN. 48" FOR 25' TO 30' BLDG.

MOBILE HOME ANCHOR FOR SAND/CLAY

(SCALE: NTS)

NOTE:

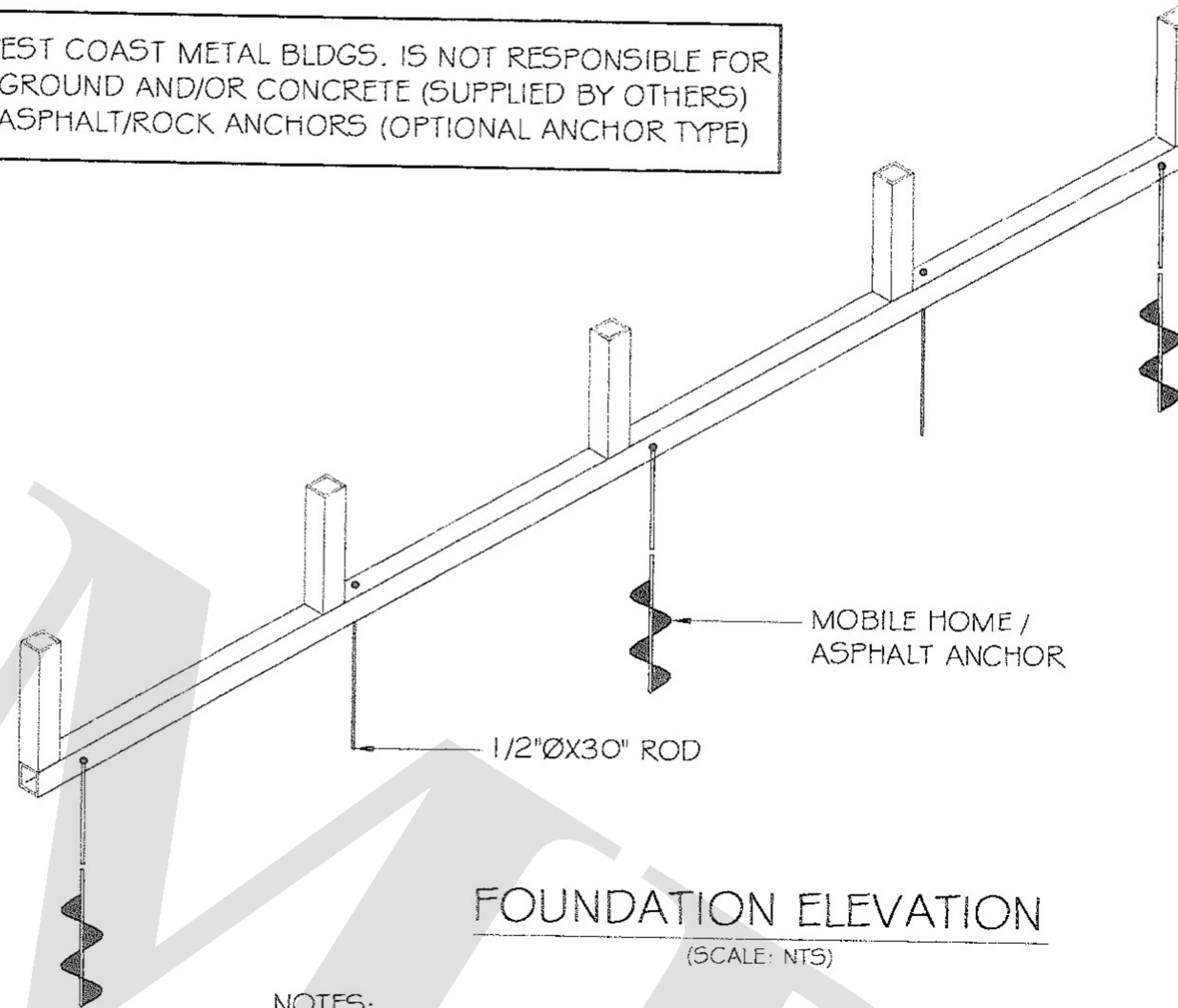
HELICAL ANCHORS ARE NOT TO BE USED IF DRIVING TORQUE INTO GROUND IS LESS THAN 150 FT-LBS OR DON'T MEET ONE OF THE FOLLOWING SOIL CLASSIFICATIONS.



OPTIONAL MMA-35 CROSS DRIVE ANCHOR W/ 2 3/32"ØX33" RODS

(SCALE: NTS)

WEST COAST METAL BLDGS. IS NOT RESPONSIBLE FOR GROUND AND/OR CONCRETE (SUPPLIED BY OTHERS) ASPHALT/ROCK ANCHORS (OPTIONAL ANCHOR TYPE)



FOUNDATION ELEVATION

(SCALE: NTS)

NOTES:

1. MOBILE HOME ANCHORS SHALL BE REQUIRED AT ALL CORNER POSTS AND AT EVERY OTHER POST BUT SHALL NOT EXCEED 10'-0" C/C SPACING IN ANY DIRECTION.
2. ALL OTHER POSTS WITH NO MOBILE HOME ANCHOR SHALL BE ANCHORED TO THE GROUND WITH 1/2"X30" LG. ROD. RODS SHALL HAVE A WELDED NUT AT TOP AND ONE COAT OF RUST PROVE PRIMER PAINT.
3. ASSUMED SOIL BEARING CAPACITY IS TO BE A MIN. 1500 PSF
4. CONCRETE STRENGTH TO BE A MIN. OF 2500 PSI AT 28 DAYS

SOIL CLASSIFICATIONS: *

SOIL CLASS	SOIL DESCRIPTION
2	VERY DENSE #1 OR CEMENTED SANDS, COURSE GRAVEL AND COBBLES, COLICHE, PRELOADED SILT AND CLAYS
3	MEDIUM DENSE COARSE SANDS, SANDY GRAVELS, VERY STIFF SILTS, AND CLAYS
4	LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS ALLUVIAL FILL AND VERY LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS AND SILTS, ALLUVIAL FILL.

HELICAL ANCHOR SHALL BE APPROVED FOR USE IN SOIL CLASSIFICATIONS 2,3, AND 4.

*TAKEN FROM HUD "STANDARD FOR INSTALLATION OF MOBILE HOMES"

FOR:

OWNER:

LOCATION:

DESCRIPTION:

DATE:

PROJECT NUMBER:

DRAWN BY:

CHECKED BY:

DRAWING TITLE:

SHEET NO.: 9 OF 9

SEAL

DATE SIGNED: