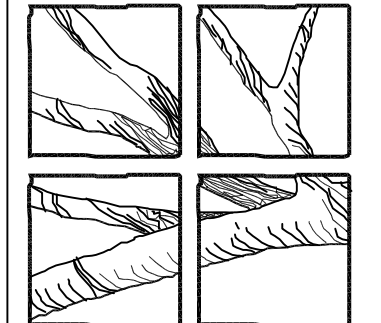


	PARKING REQ'S:
FIRST FLOOR	10,010 GROSS SF.
SECOND FLOOR	10,010 GROSS SF.
FIRST FLOOR	COMMON SPACE - 1,214 SF.
SECOND FLOOR	COMMON SPACE - 1,144 SF.
FIRST FLOOR	PROFESSIONAL OFFICES: 1/200 SF.
MAX. PARKING	5,932 SF. = 30 SPACES
	RETAIL: 1/300 SF.
	1,536 SF. = 6 SPACES
	FOOD: 1/100 SF. & 1/2 EMPLOYEES
	1,328 SF. & 6 EMPLOYEES = 11 SPACES
SECOND FLOOR	PROFESSIONAL OFFICES: 1/200 SF.
	8,810 SF. = 45 SPACES
	TOTAL REQ. = 98 SPACES
	TOTAL PROPOSED = 98 SPACES

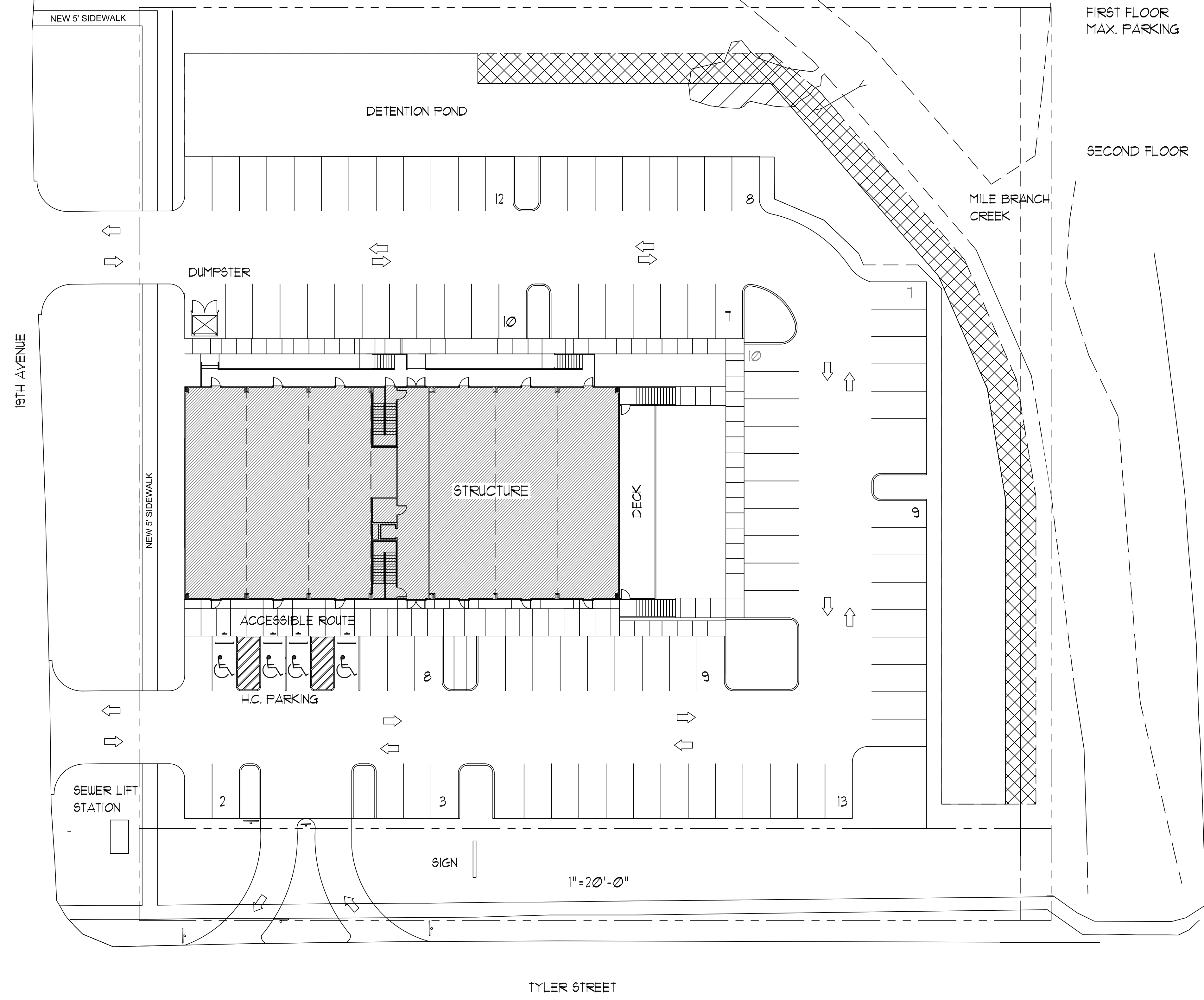
James R. Aultman, AIA  
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 Landscape Architecture  
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 Covington, Louisiana 70433



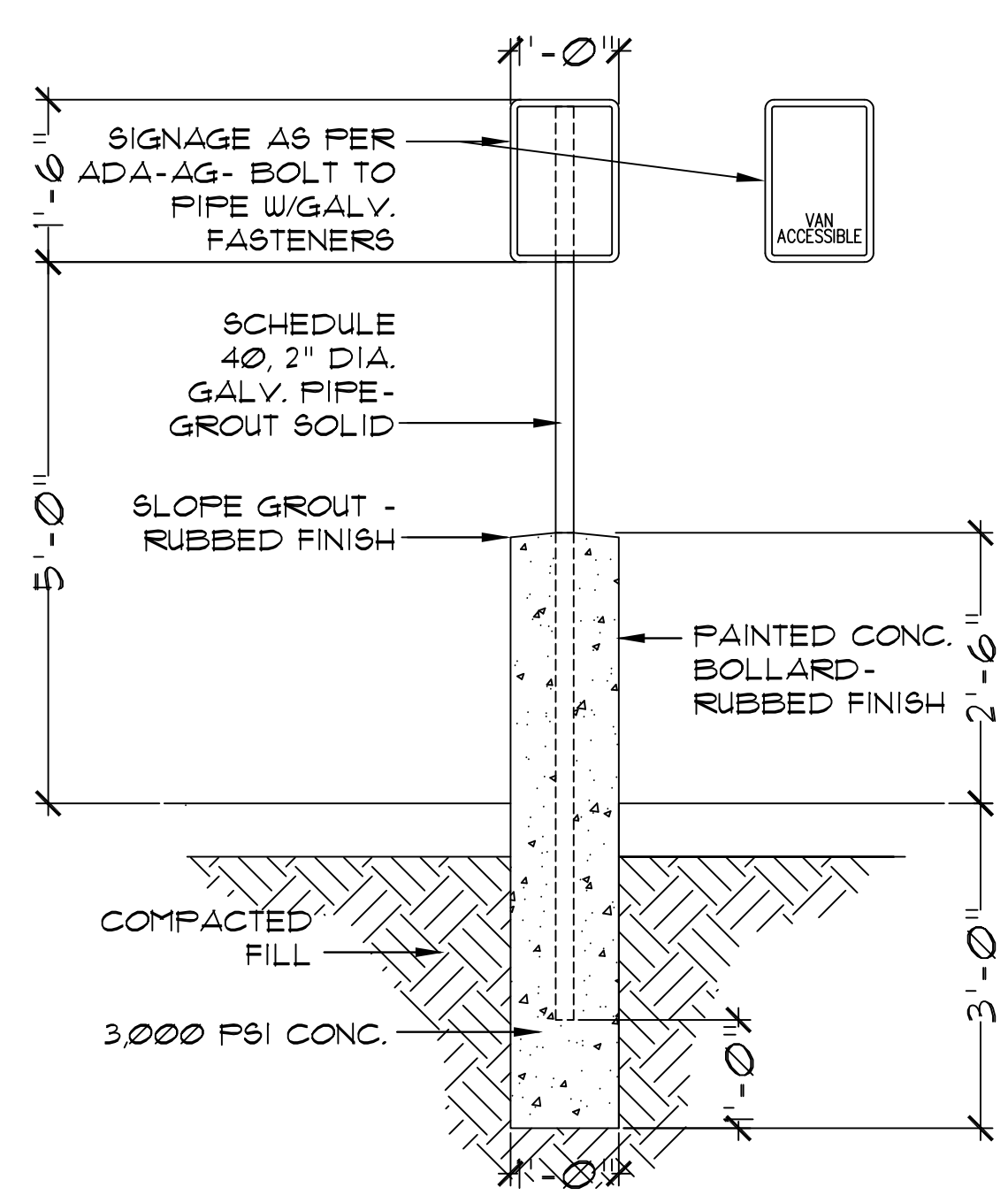
A Landscape Plan for  
**Square 1907**  
 Covington, Louisiana

09/13/18

A1

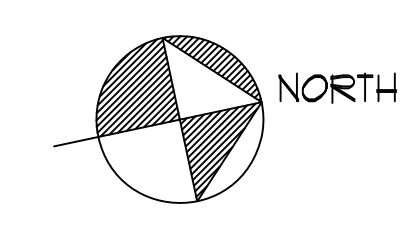


NOTE: 'VAN ACCESSIBLE' SIGNAGE REQ'D AT H/C SPACES ADJACENT TO 8' WIDTH AISLES

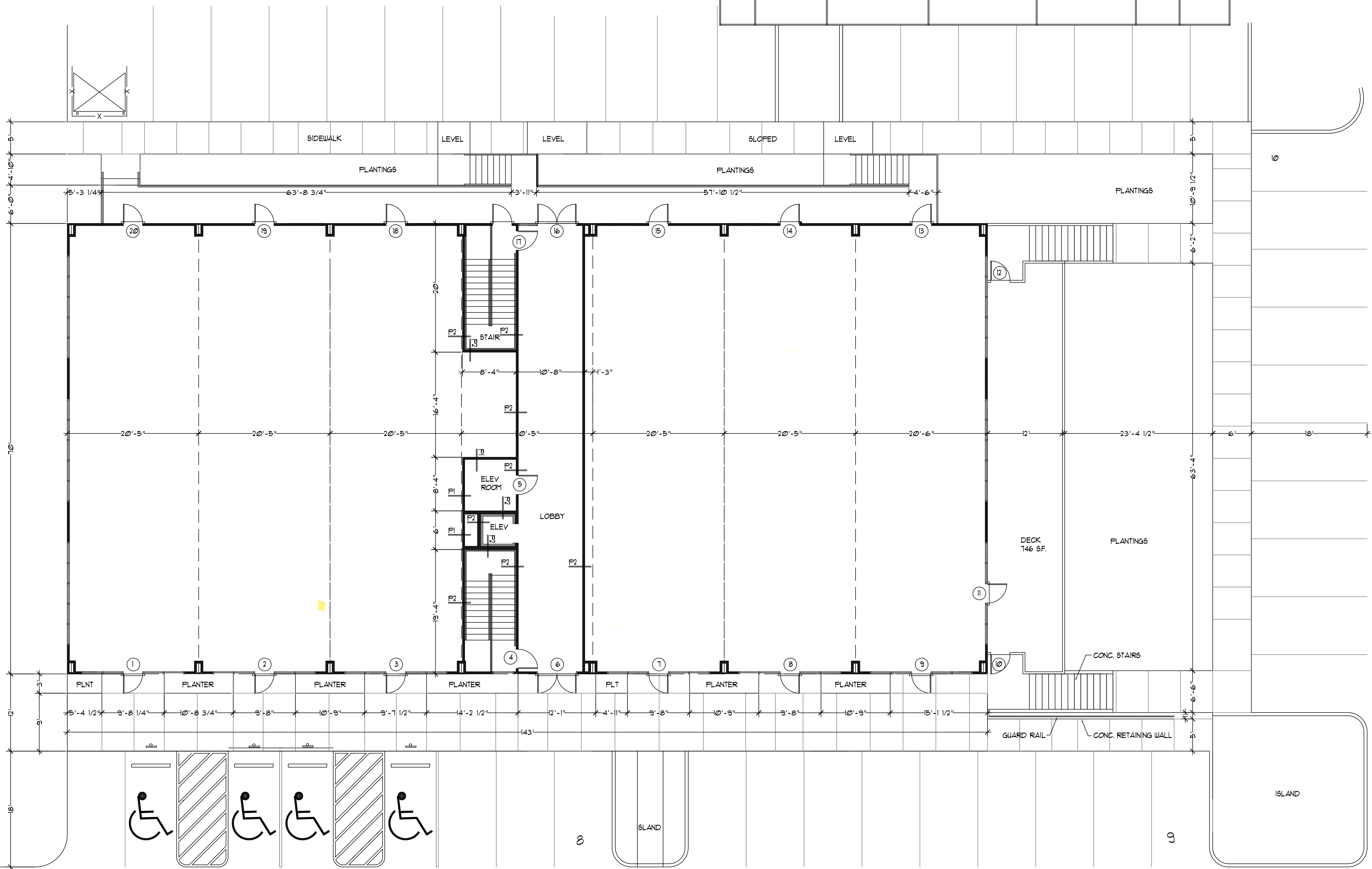


SITE PLAN

1"=20'-0"



PARTITION SCHEDULE					
MARK	GRAPHIC	ASSEMBLY		RATING	UL LISTING
F1		SURFACE 1	SURFACE 1	N/A	N/A
		ONE LAYER 5/8" GYP. BRD.	3 5/8" STEEL STUDS @ 16" O.C.		
F2		ONE LAYER 5/8" GYP. BRD.	3 5/8" STEEL STUDS @ 16" O.C.	1 HOUR	UL DES U423

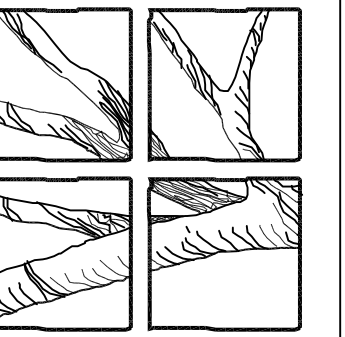


FIRST FLOOR PLAN

10,010 GROSS SF.

1/8" = 1'-0"

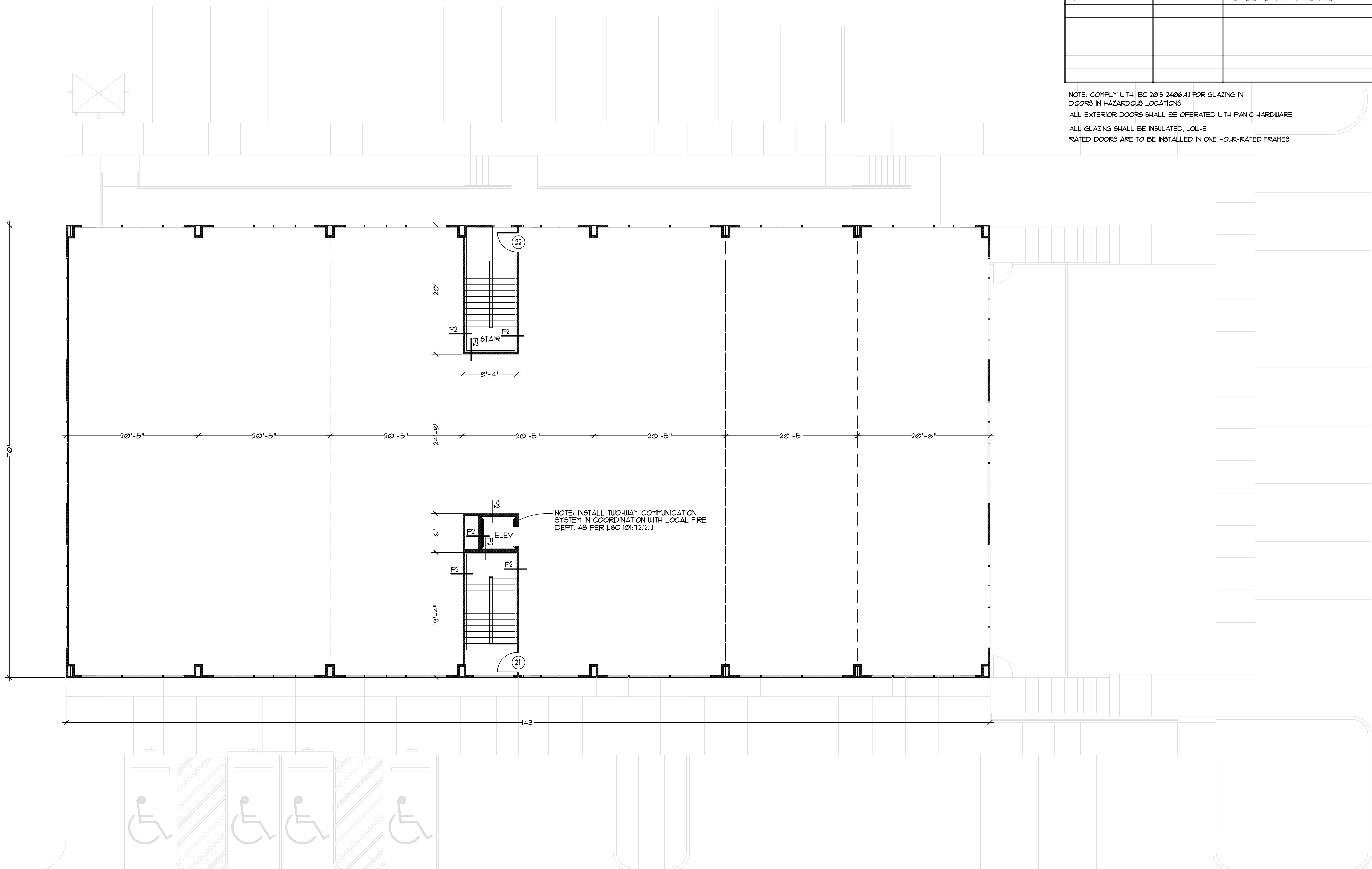
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OPENING SCHEDULE		
MARK	SIZE	DESCRIPTION
1-3, 7-9, 11, 13-15, 18-20	3'-0"X1'-0"	ALUMINUM STOREFRONT DOOR W/ AUTO CLOSER AND PANIC HARDWARE
6, 16	6'-0"X1'-0"	PAIR, ALUMINUM STOREFRONT DOORS W/ AUTO CLOSER AND PANIC HARDWARE
4, 17, 21, 22	3'-0"X1'-0" X 1 3/8"	FLUSH S.C. METAL ONE HOUR-RATED DOOR W/ AUTO CLOSER AND PANIC HARDWARE
5	3'-0"X1'-0" X 1 3/8"	FLUSH S.C. METAL DOOR
10, 12	3'-0"X3'-6" X 1 3/4"	METAL GATE TO MATCH FENCING

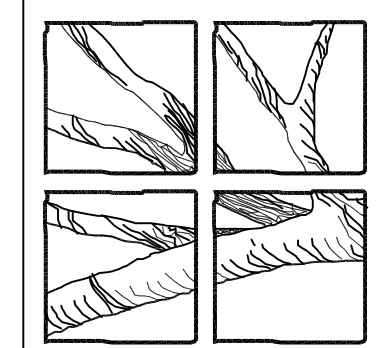
NOTE: COMPLY WITH IBC 2015 2406.4.1 FOR GLAZING IN DOORS IN HAZARDOUS LOCATIONS  
 ALL EXTERIOR DOORS SHALL BE OPERATED WITH PANIC HARDWARE  
 ALL GLAZING SHALL BE INSULATED, LOW-E  
 RATED DOORS ARE TO BE INSTALLED IN ONE HOUR-RATED FRAMES

SECOND FLOOR PLAN

10,010 GROSS S.F.

1/8" = 1'-0"

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WEST ELEVATION

FRONT ELEVATION

1/8"=1'-0"

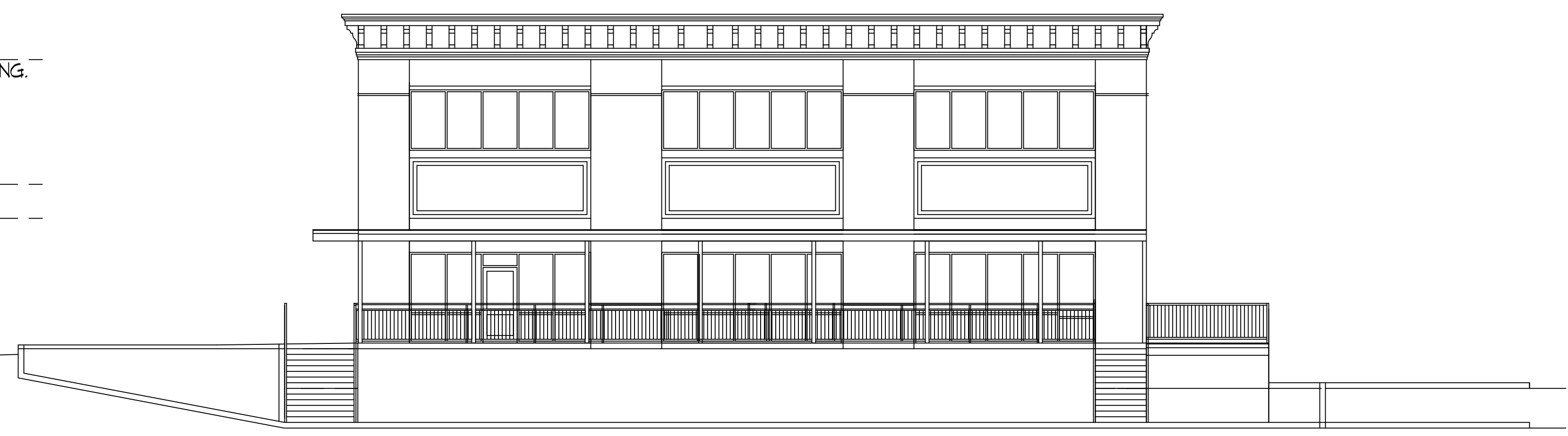
TOP OF PARAPET  
+54.2'

SECOND FLOOR CLNG.  
+50.2'

SECOND FLOOR  
+39.2'

FIRST FLOOR CLNG.  
+36.2'

FIRST FLOOR  
+25.2'

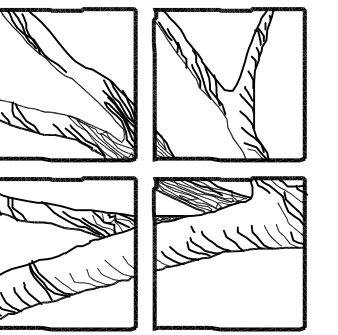


NORTH ELEVATION

SOUTH ELEVATION

1/8"=1'-0"

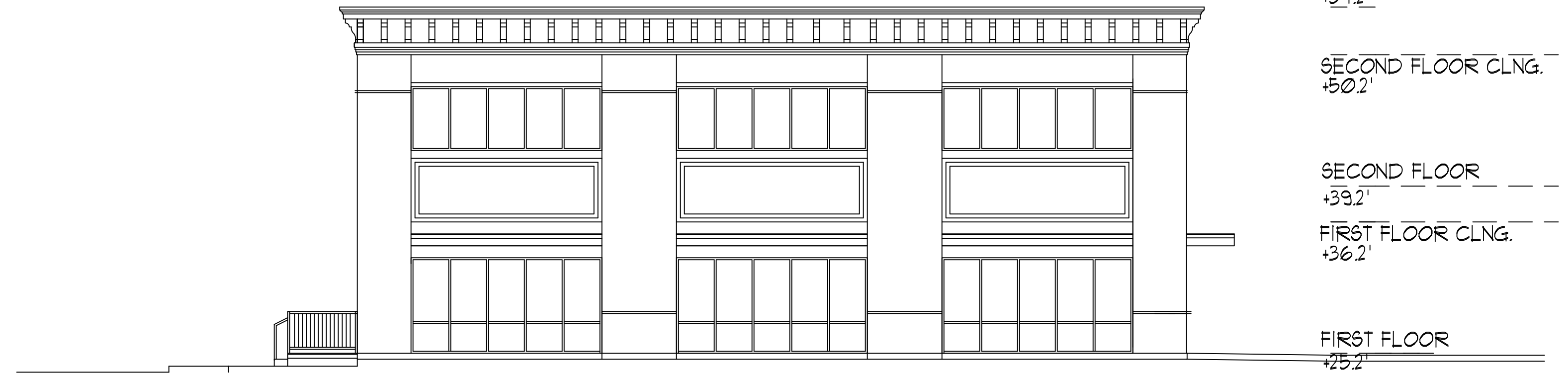
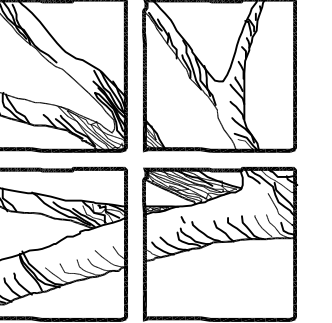
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A4



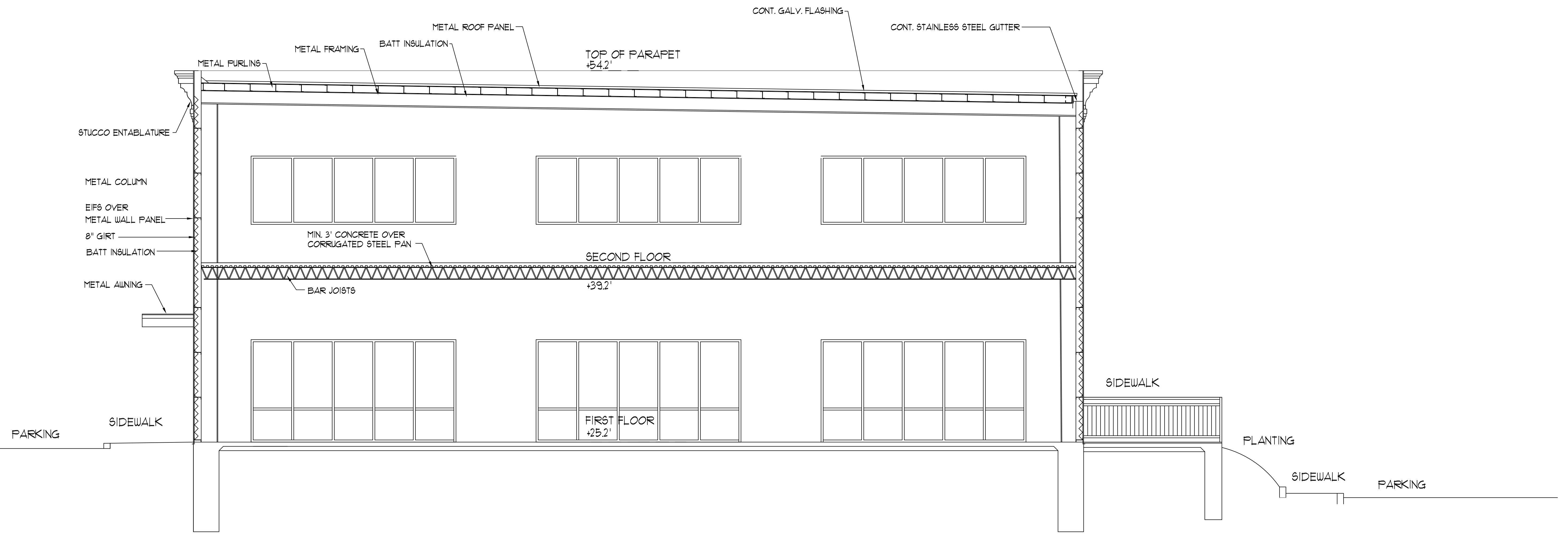
SOUTH ELEVATION

1/8" = 1'-0"



WEST ELEVATION

1/8" = 1'-0"

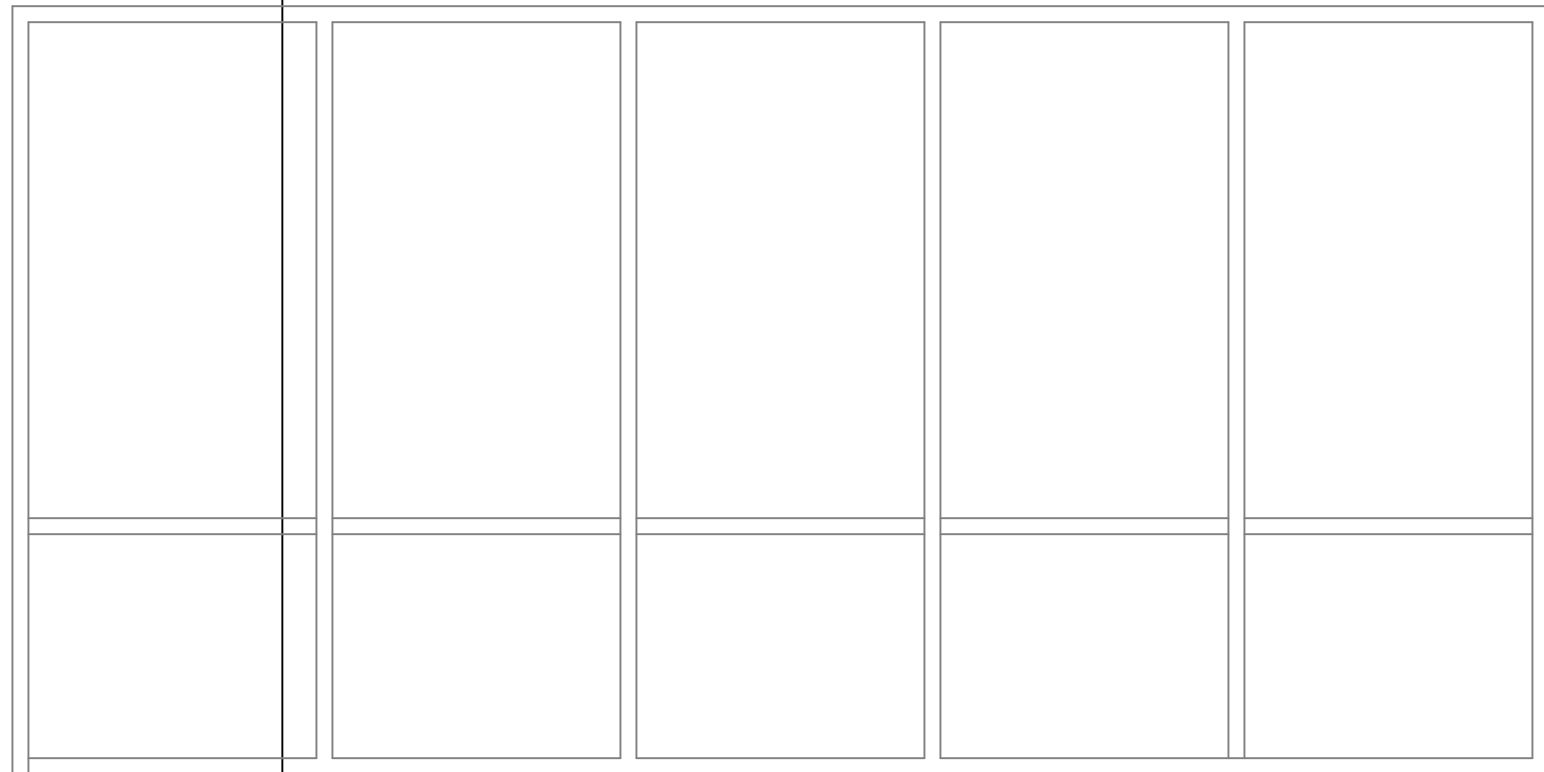


BUILDING SECTION

1/4" = 1'-0"

CONT. GALV. FLASHING

CONT. STAINLESS STEEL GUTTER



METAL WALL PANEL

METAL FURLIN

5/8" PLYWOOD SHEATHING

3/4" RIGID INSULATION

STUCCO

2X2 ALUMINUM RAIL

1X1 SPINDLES @ 4" O.C.

1/4"

3'-6"

1/4"

PLANTING

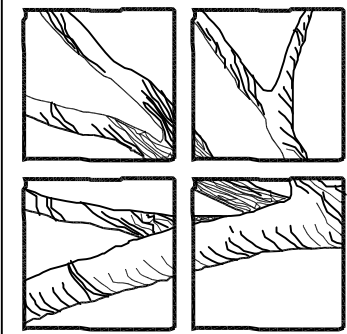
SIDEWALK

PARKING

BUILDING SECTION

1/2" = 1'-0"

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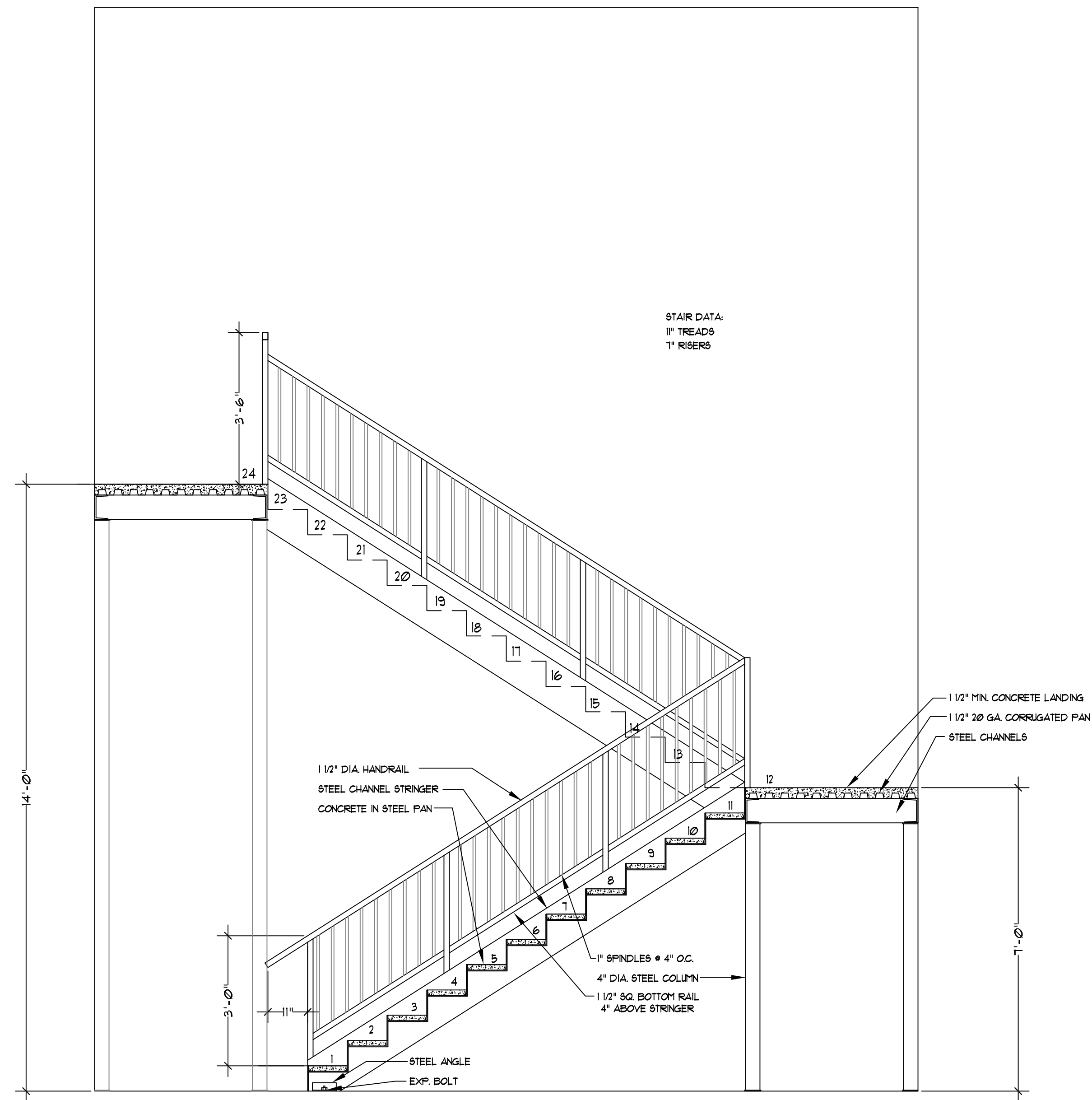
A Landscape Plan for  
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Covington, Louisiana

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A7

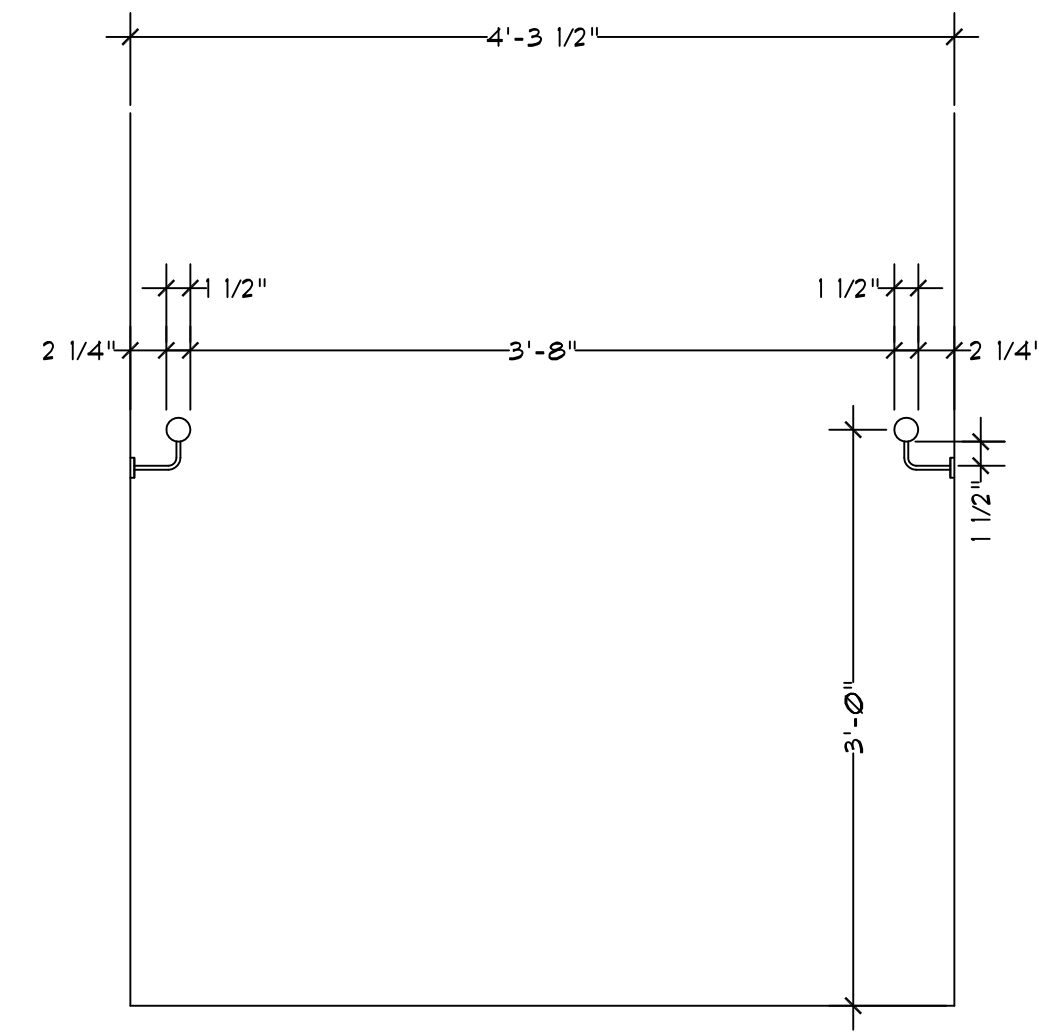
SECOND FLOOR OCCUPANCY: BUSINESS  
 1 PERSON/120 SF NET  
 8673 NET SF. 81 PERSON OCCUPANCY LOAD

STAIR DATA:  
 11" TREADS  
 1" RISERS



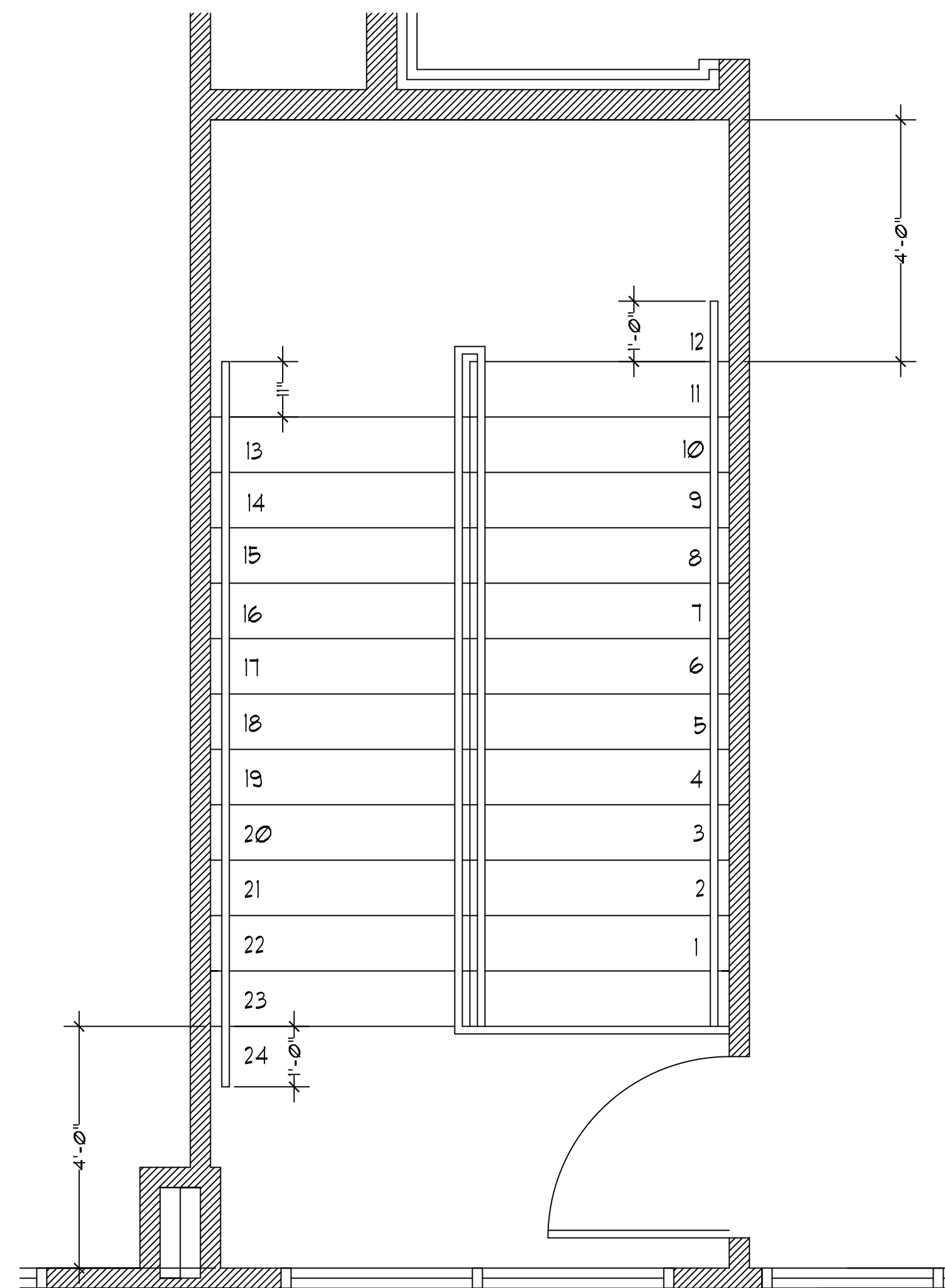
STAIR SECTION

1/2" = 1'-0"



HANDRAIL DETAILS

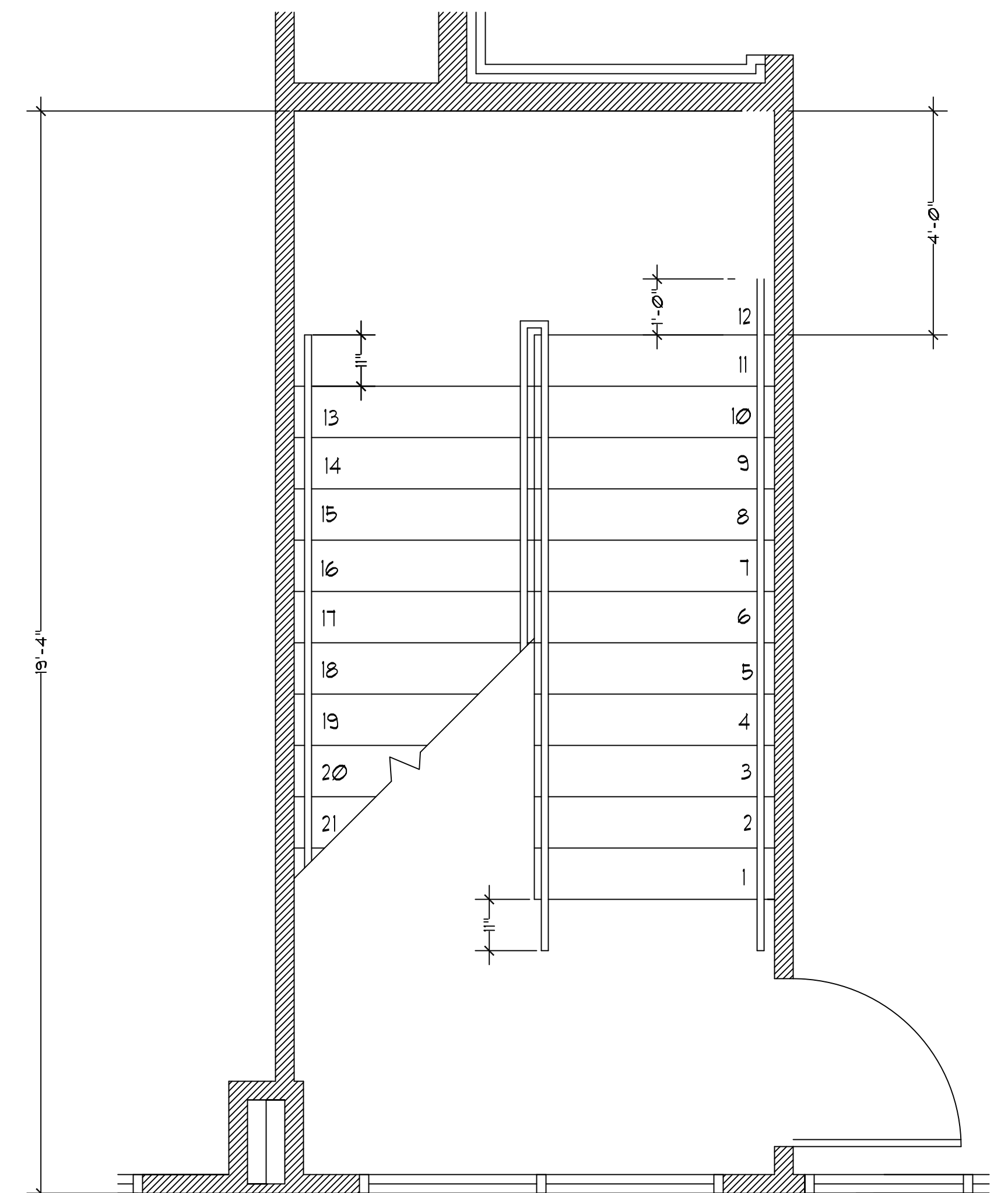
1" = 1'-0"



ENLARGED STAIR PLAN

SECOND FLOOR

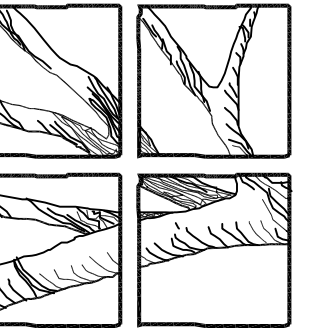
1/2" = 1'-0"



ENLARGED STAIR PLAN

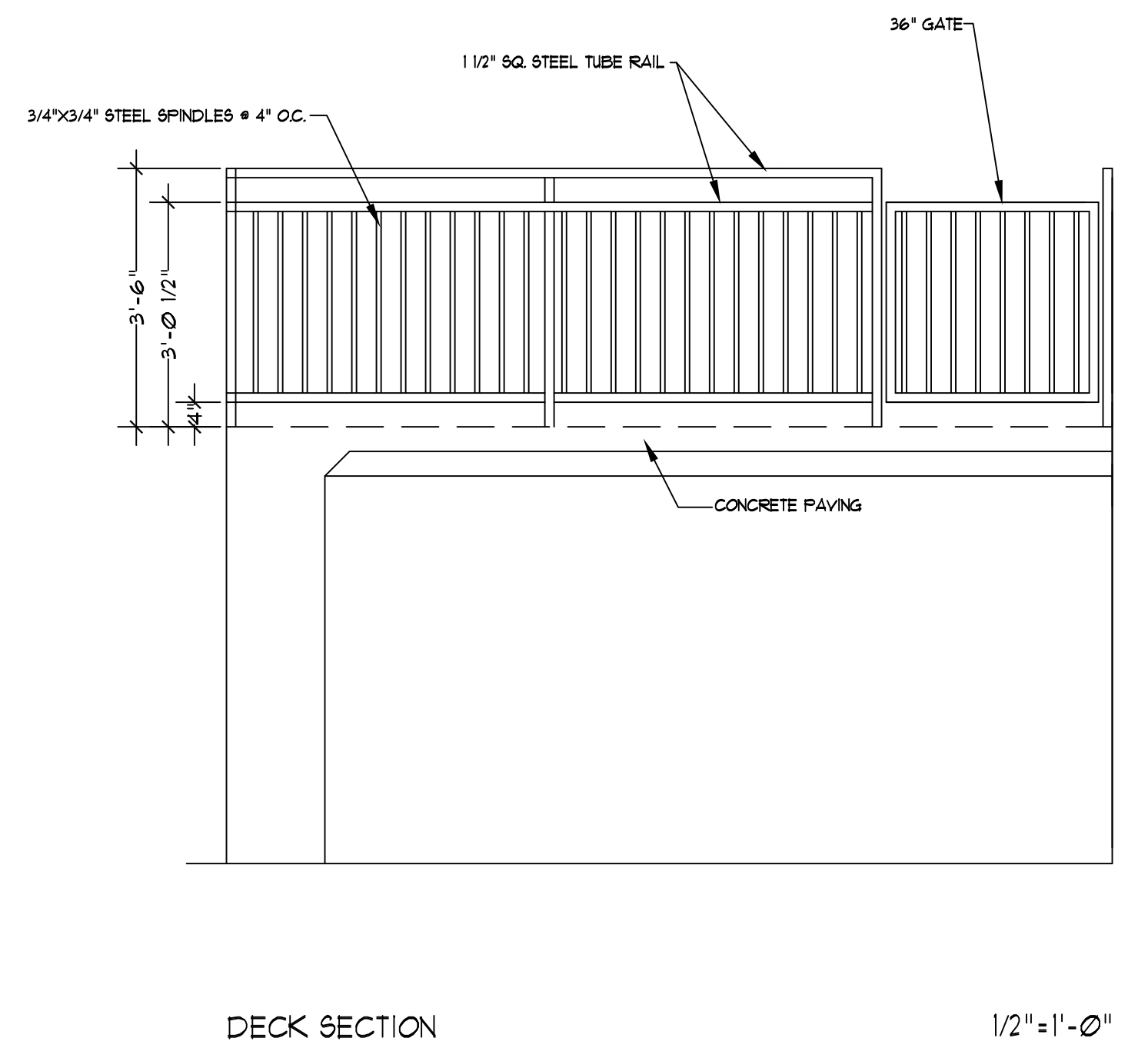
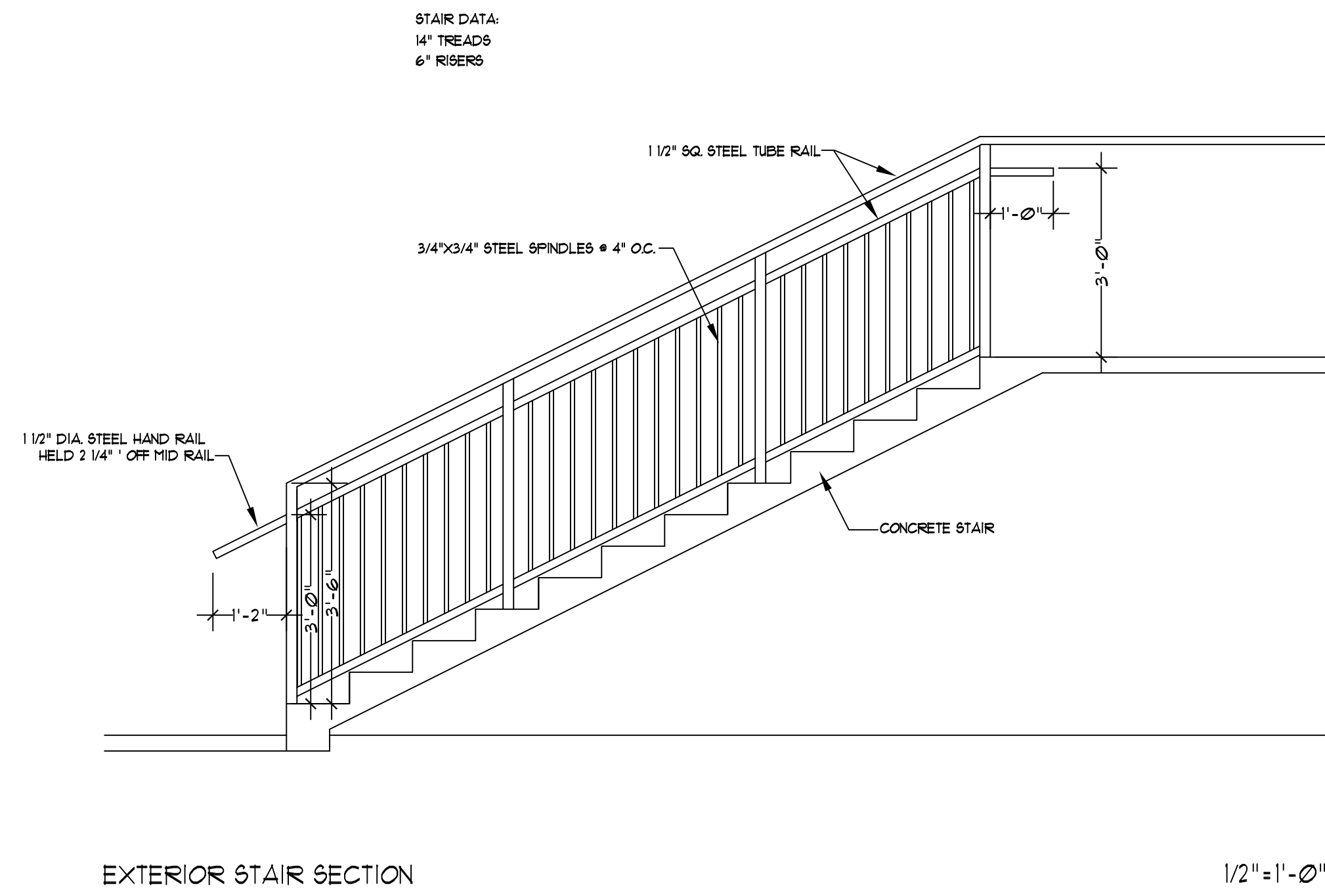
FIRST FLOOR

1/2" = 1'-0"



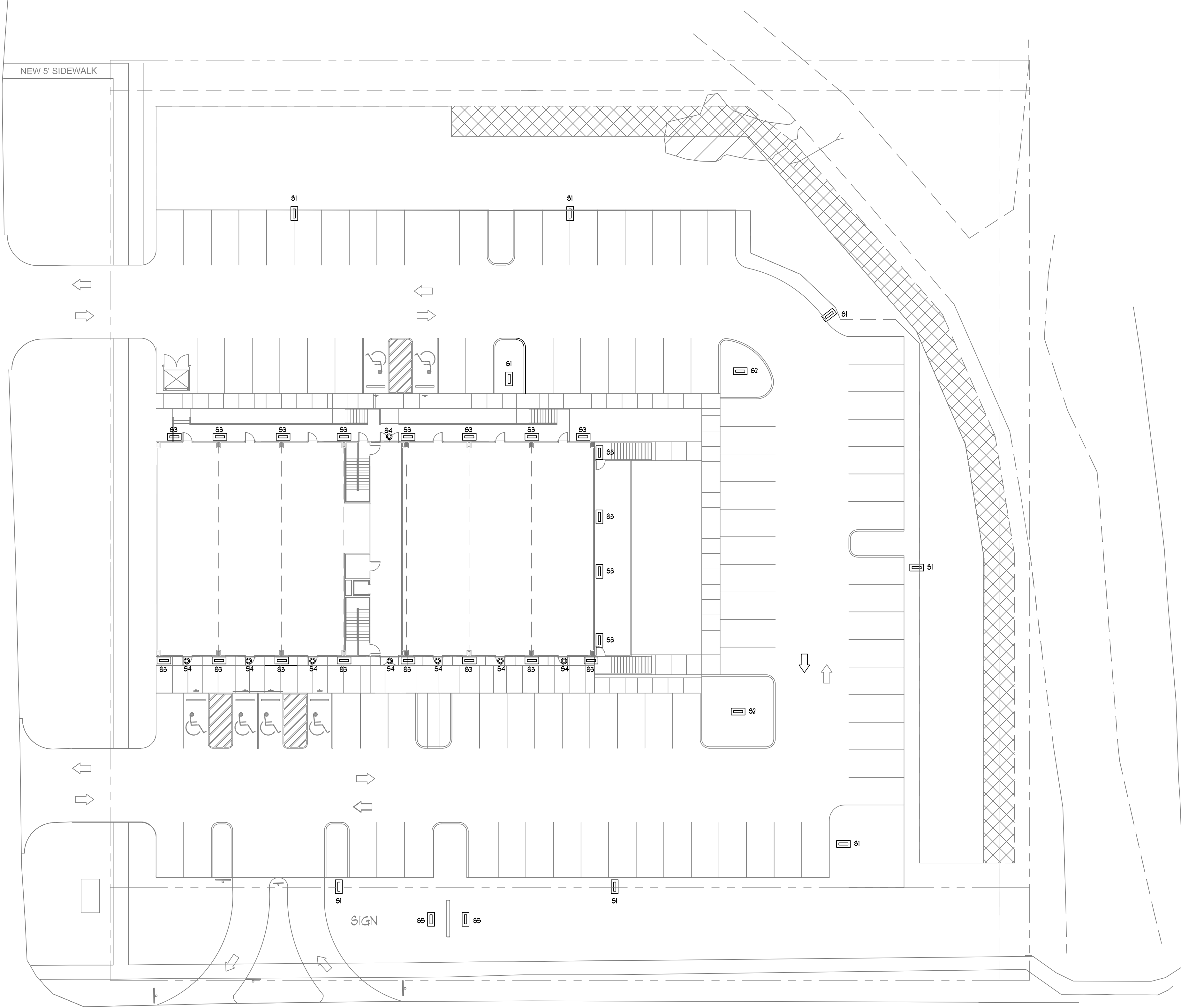
09/13/18

A8



19TH AVE.

NEW 5' SIDEWALK



EXTERIOR LIGHTING SCHEDULE	
MARK	DESCRIPTION
51	23' SINGLE HEAD, 20' 555, 3' CONCRETE BASE (1) FI-QSR-LED-4850-FLED-IV-LLF-035
52	23' TWO HEAD, 20' 555, 3' CONCRETE BASE (1) FI-QSR-LED-4850-FLED-IV-LLF-035
53	WALL PACK -LD-14D-60LED-
54	RECESSED CAN (1) PRESOLITE 1566
55	120V LED FLOOD - EL28

LIGHTING PLAN

1"=20'-0"

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BUFFER PLANTING REQUIREMENTS:  
 4210  
 ONE CLASS 'A' OR CLASS 'B' TREE/ 10 L.F.  
 30000 L.F. 30 TREES REQUIRED  
 30 TREES PROPOSED  
 CONT. OPAQUE VEGETATIVE SCREEN

STREET PLANTING AREA REQUIREMENTS:  
 42086 A & B  
 ONE CLASS 'A' / 20 L.F.  
 30000 L.F. 15 CLASS 'A' TREES REQUIRED  
 15 CLASS 'A' TREES PROPOSED  
 CONT. OPAQUE VEGETATIVE SCREEN AT PARKING

DUMPSTER SCREEN:  
 42093  
 6' WOOD FENCE

15'X15' SIGHT TRIANGLE, TYP.

RIGHT-IN, RIGHT-OUT ACCESS

STREET PLANTING AREA REQUIREMENTS:  
 42086 A & B  
 ONE CLASS 'A' / 20 L.F.  
 30000 L.F. 15 CLASS 'A' TREES REQUIRED  
 15 CLASS 'A' TREES PROPOSED  
 CONT. OPAQUE VEGETATIVE SCREEN AT PARKING

PLANTING LEGEND				
MARK	NAME	QTY.	SIZE	HGT. CLASS
AJ	ANDORRA JUNIPER	12	7 GAL.	
	JUNIFERUS HORIZONTALIS 'YOUNGSTOWN'			
AZ	AZALEA	11	7 GAL.	
	RHODODENDRUM JAPONICA 'MRS. G.G. GERBING'			
BC	BALD CYPRESS	29	2 1/2"	8-10' A
	TAXODIUM DISTICHUM			
BM	BAY MAGNOLIA	16	2"	8-10' B
	M. VIRGINIANA			
CM	CRAPE MYRTLE	9		8-10'
	LAGERSTROEMIA INDICA 'NATCHEZ'			
DE	DRAKE ELM	19	2"	8-10' B
	ULMUS PARVIFOLIA 'DRAKE'			
LO	LIVE OAK	3	2 1/2"	8-10' A
	QUERCUS VIRGINIANA			
LP	LOROPETALUM	17	7 GAL.	
	L. SINENSE			
MG	SOUTHERN MAGNOLIA	1	2 1/2"	8-10' A
	M. GRANDIFLORA 'D.D. BLANCHARD'			
NO	NUTTAL OAK	18	2 1/2"	8-10' A
	QUERCUS NUTTALLII			
RM	RED MAPLE	16	2"	8-10' B
	ACER RUBRUM 'DRUMMOND1'			
SO	SHUMARD OAK	19	2 1/2"	8-10' A
	QUERCUS SHUMARDII			
SY	SYCAMORE	13	2 1/2"	8-10' A
	PLATANUS OCCIDENTALIS			
SV	SWEET VIBURNUM	45	7 GAL.	
	V. ODORATISSIMUM			

LANDSCAPE NOTES:  
 1. PREPARE ALL BEDS AND TREE PLANTING PITS AS PER SPECIFICATIONS OF THE AMERICAN SOCIETY OF NURSERYMEN.  
 2. LANDSCAPE CONTRACTOR AND ALL RELATED SUBCONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE SITE AND DETERMINE LOCATIONS OF ALL UTILITIES AND BOUNDARIES PRIOR TO ANY EXCAVATION OR OTHER WORK.  
 3. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING AND SIDEWALKS.  
 4. AFTER INSTALLATION, ALL PLANTS SHALL BE HEALTHY, PERPENDICULAR TO THE GROUND PLANE AND AT LEAST TO THE SIZE SPECIFIED. EXCAVATED SOIL SHALL BE DISPOSED OF LEGALLY. COMPACT PLANTING SOIL AS IT IS BACKFILLED. LEAVE SITE CLEAN.  
 5. APPLY 4" SHREDDED BARK MULCH AT ALL PLANTINGS  
 6. ALL PLANTINGS SHALL ADHERE TO THE CITY OF COVINGTON COMPREHENSIVE ZONING ORDINANCE.

BUFFER PLANTING REQUIREMENTS:  
 42109  
 ONE CLASS 'A' OR CLASS 'B' TREE/ 10 L.F.  
 30000 L.F. 30 TREES REQUIRED  
 30 TREES PROPOSED

PARKING REQ'S:

FIRST FLOOR 10,010 GROSS SF.  
 SECOND FLOOR 10,010 GROSS SF.

FIRST FLOOR COMMON SPACE - 1,214 SF.  
 SECOND FLOOR COMMON SPACE - 1,144 SF.

FIRST FLOOR PROFESSIONAL OFFICES: 1/200 SF.  
 MAX. PARKING 5,932 SF. = 30 SPACES

RETAIL: 1/300 SF.  
 1,536 SF. = 6 SPACES

FOOD: 1/100 SF. & 1/2 EMPLOYEES  
 1,328 SF. &  
 6 EMPLOYEES = 17 SPACES

SECOND FLOOR PROFESSIONAL OFFICES: 1/200 SF.  
 8,810 SF. = 45 SPACES

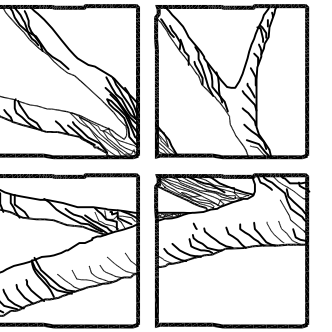
TOTAL REQ. = 98 SPACES

TOTAL PROPOSED = 98 SPACES

LANDSCAPE PLAN

1" = 20'-0"

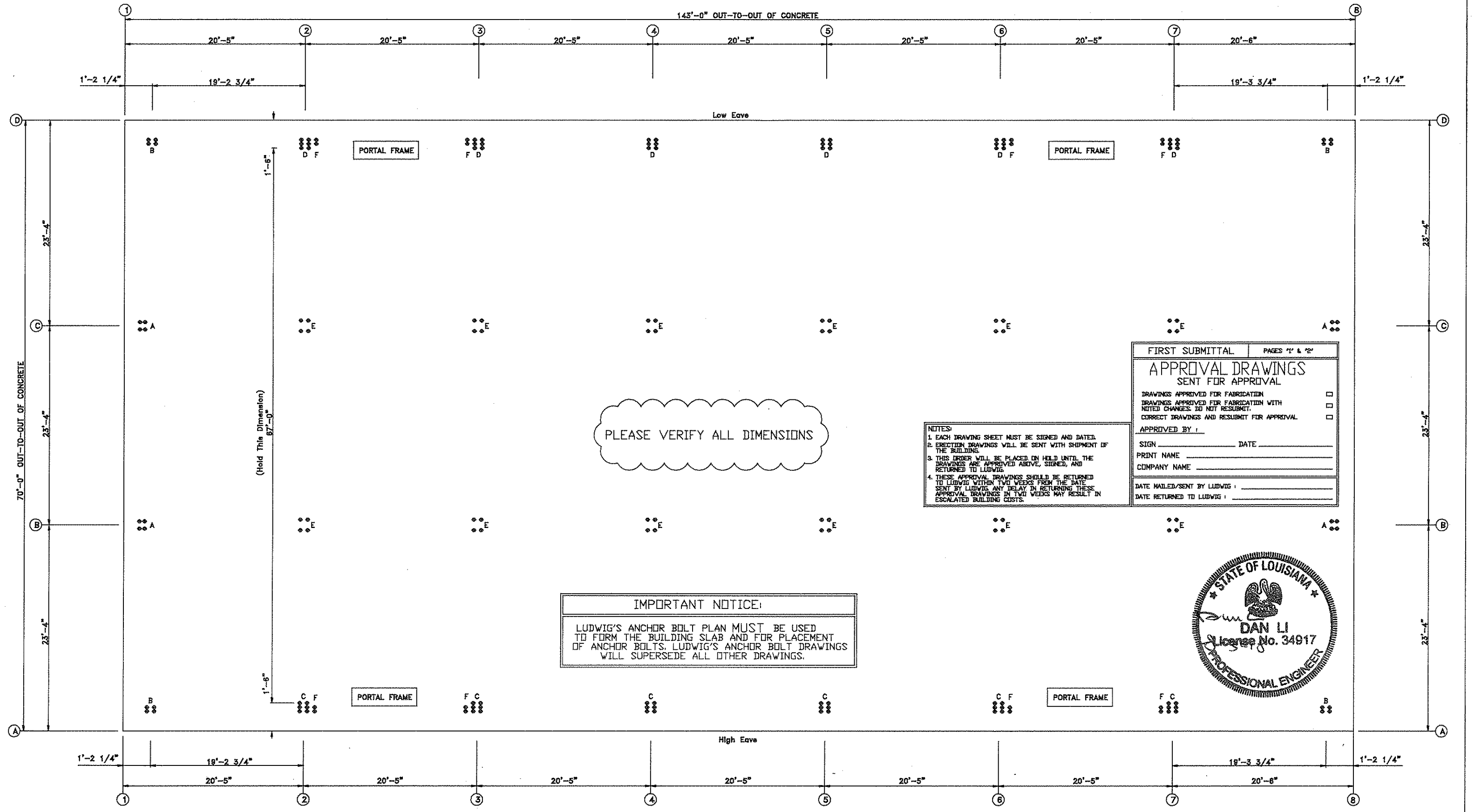
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 Covington, Louisiana

09/13/18

L1



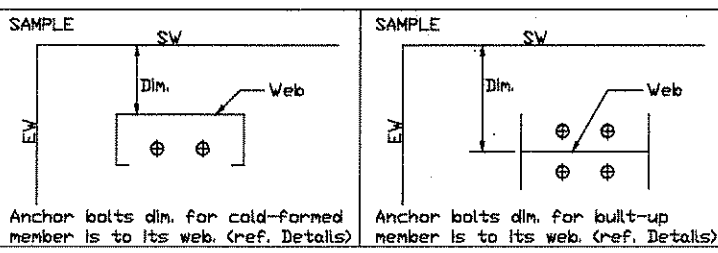
FIRST SUBMITTAL	PAGES 11 & 12
<b>APPROVAL DRAWINGS</b> SENT FOR APPROVAL	
DRAWINGS APPROVED FOR FABRICATION	<input type="checkbox"/>
DRAWINGS APPROVED FOR FABRICATION WITH NOTED CHANGES. DO NOT RESUBMIT.	<input type="checkbox"/>
CORRECT DRAWINGS AND RESUBMIT FOR APPROVAL	<input type="checkbox"/>
APPROVED BY: _____	
SIGN _____	DATE _____
PRINT NAME _____	
COMPANY NAME _____	
DATE MAILED/SENT BY LUDWIG: _____	
DATE RETURNED TO LUDWIG: _____	

**NOTES:**

1. EACH DRAWING SHEET MUST BE SIGNED AND DATED.
2. ERECTION DRAWINGS WILL BE SENT WITH SHIPMENT OF THE BUILDING.
3. THIS ORDER WILL BE PLACED ON HOLD UNTIL THE DRAWINGS ARE APPROVED ABOVE, SIGNED, AND RETURNED TO LUDWIG.
4. THESE APPROVAL DRAWINGS SHOULD BE RETURNED TO LUDWIG WITHIN TWO WEEKS FROM THE DATE SENT BY LUDWIG. ANY DELAY IN RETURNING THESE APPROVAL DRAWINGS IN TWO WEEKS MAY RESULT IN ESCALATED BUILDING COSTS.

**IMPORTANT NOTICE:**

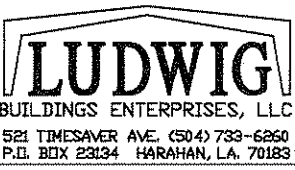
LUDWIG'S ANCHOR BOLT PLAN MUST BE USED TO FORM THE BUILDING SLAB AND FOR PLACEMENT OF ANCHOR BOLTS. LUDWIG'S ANCHOR BOLT DRAWINGS WILL SUPERSEDE ALL OTHER DRAWINGS.



**ANCHOR BOLT PLAN**  
NOTE: All Base Plates @ 100'-0" (U.N.)

**IMPORTANT NOTICE:**  
Ludwig's Anchor bolt plan shall be used to form the building slab and for placement of Anchor Bolts. Ludwig's anchor bolt drawings will supersede all other drawings.

REVISIONS			
NO.	DATE	DRAWN BY	CHECKED BY
1			
2			
3			

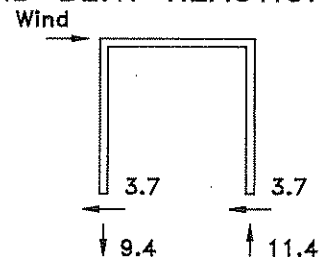


DRAWING: <b>ANCHOR BOLT PLAN</b>		JOB NUMBER: 18-0212-RF
CUSTOMER: Spartan Building Corp.		SCALE: N.T.S.
JOB LOCATION: Covington, La		SHEET
DATE: 7/3/18	DESIGNER: ZZ	CHECKER: E.J. W.J.M.
		1 OF 2

**ANCHOR BOLT SUMMARY**

Qty	Locate	Dia (in)	Type	Proj (in)
⊕ 16	Endwall	3/4"	A307	2.00
⊕ 88	Frame	3/4"	A307	2.00
⊕ 16	WindCol	3/4"	A307	2.00
⊕ 48	Floor	3/4"	A307	2.00

**WIND BENT REACTIONS (k )**



**GENERAL NOTES**

- 1) VERIFY LENGTH AND WIDTH DIMENSIONS AND DOOR OPENINGS.
- 2) ALL REACTIONS ARE GIVEN IN KIPS (1000 LBS) OR KIPS-FT (MOMENT).
- 3) ALL ANCHOR BOLTS SHALL PROJECT FROM THE SAME ELEVATION UNLESS NOTED.
- 4) ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLERANCE OF +/- 1/8" IN BOTH ELEVATION AND LOCATION.
- 5) ALL WALK DOORS TO BE FIELD LOCATED.
- 6) CONSULT A LOCAL FOUNDATION ENGINEER FOR LOCAL SOIL CONDITIONS AND FOUNDATION DESIGN.
- 7) THE PURCHASER IS RESPONSIBLE TO HAVE THE FOUNDATION ENGINEER OR THE ENGINEER OF RECORD DESIGN AND DETERMINE THE PROPER LENGTH AND HOOK SIZE OF THE ANCHOR BOLTS TO WORK IN ACCORDANCE WITH THE DIAMETER AND QUANTITY OF THE A-307 ANCHOR BOLTS SHOWN ON THE ANCHOR BOLT PLAN.
- 8) LUDWIG BUILDINGS ENTERPRISES, LLC ASSUMES NO RESPONSIBILITY OR LIABILITY FOR FOUNDATION, FLOOR OR SLAB DESIGN OR CONSTRUCTION.

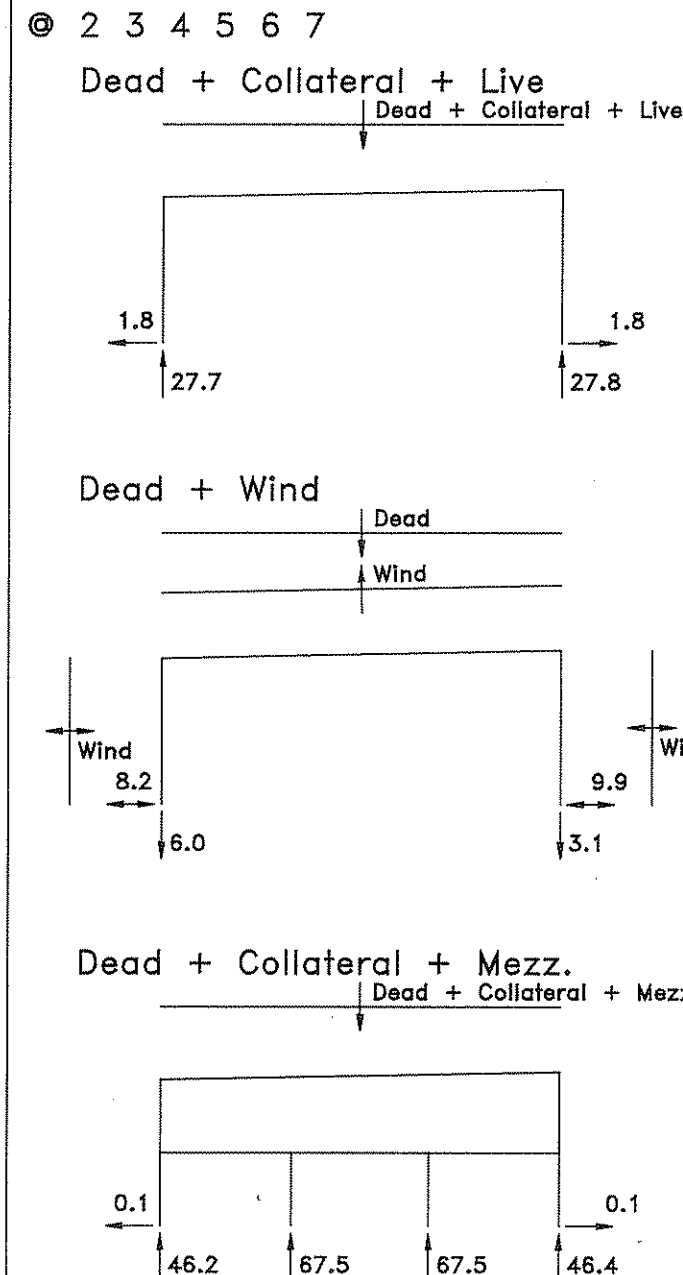
PLEASE VERIFY ALL DIMENSIONS

**NOTES FOR REACTIONS**

Building reactions are based on the following building data:

Width (ft)	=	70.0
Length (ft)	=	143.0
Eave Height (ft)	=	27.6/ 29.1
Roof Slope (rise/12)	=	0.2
Dead Load (psf)	=	2.5
Collateral Load (psf)	=	5.0
Roof Live Load (psf)	=	20.0
Frame Live Load (psf)	=	12.0
Snow Load (psf)	=	5.0
Ult. Wind Speed (mph)	=	140.0
Wind Code	=	IBC 15
Exposure	=	B
Closed/Open	=	C
Importance Wind	=	1.00
Importance Seismic	=	1.00
Seismic Zone	=	B
Seismic Coeff (Fa*Sa)	=	0.18

**Main Frame REACTIONS (k )**



**FIRST SUBMITTAL**

**APPROVAL DRAWINGS SENT FOR APPROVAL**

- DRAWINGS APPROVED FOR FABRICATION
- DRAWINGS APPROVED FOR FABRICATION WITH NOTED CHANGES. DO NOT RESUBMIT.
- CORRECT DRAWINGS AND RESUBMIT FOR APPROVAL

APPROVED BY: \_\_\_\_\_  
 SIGN \_\_\_\_\_ DATE \_\_\_\_\_  
 PRINT NAME \_\_\_\_\_  
 COMPANY NAME \_\_\_\_\_

DATE MAILED/SENT BY LUDWIG: \_\_\_\_\_  
 DATE RETURNED TO LUDWIG: \_\_\_\_\_

- NOTES:**
1. EACH DRAWING SHEET MUST BE SIGNED AND DATED.
  2. ERECTION DRAWINGS WILL BE SENT WITH SHIPMENT OF THE BUILDING.
  3. THIS ORDER WILL BE PLACED ON HOLD UNTIL THE DRAWINGS ARE APPROVED ABOVE, SIGNED, AND RETURNED TO LUDWIG.
  4. THESE APPROVAL DRAWINGS SHOULD BE RETURNED TO LUDWIG WITHIN TWO WEEKS FROM THE DATE SENT BY LUDWIG. ANY DELAY IN RETURNING THESE APPROVAL DRAWINGS IN TWO WEEKS MAY RESULT IN ESCALATED BUILDING COSTS.

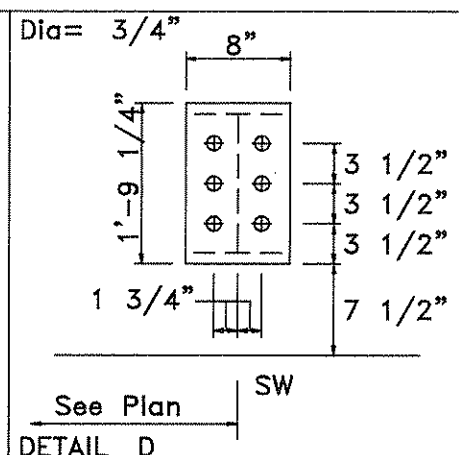
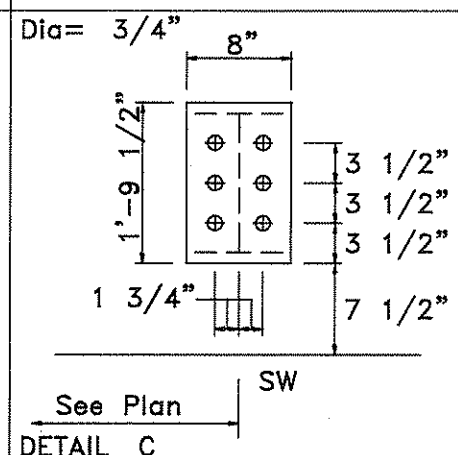
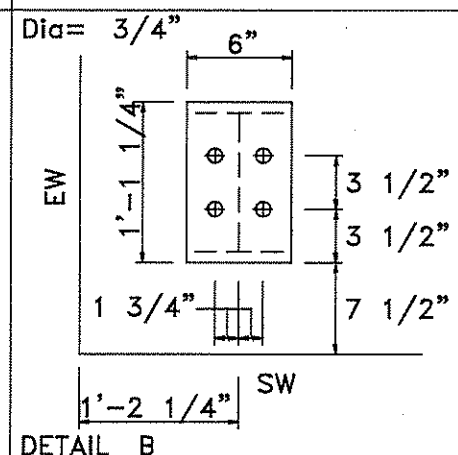
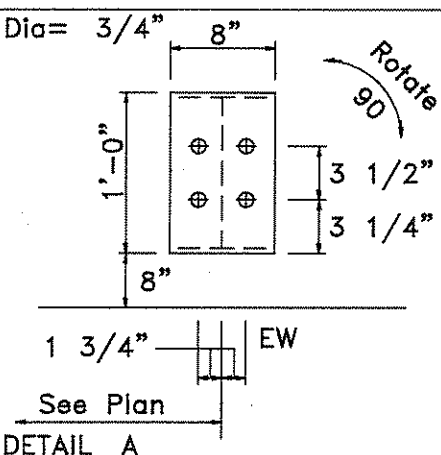
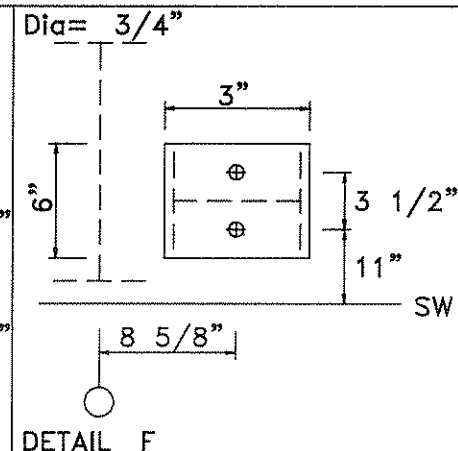
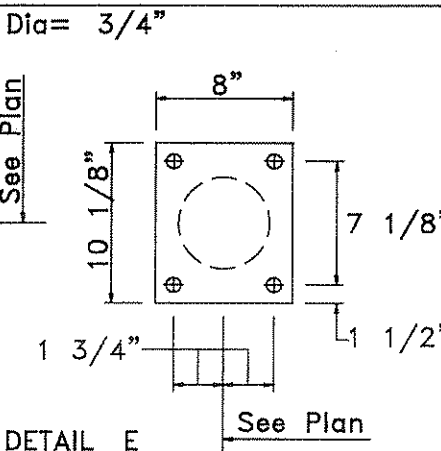
**IMPORTANT NOTICE:**

LUDWIG'S ANCHOR BOLT PLAN MUST BE USED TO FORM THE BUILDING SLAB AND FOR PLACEMENT OF ANCHOR BOLTS. LUDWIG'S ANCHOR BOLT DRAWINGS WILL SUPERSEDE ALL OTHER DRAWINGS.



**ENDWALL COLUMN REACTIONS(k )**

MAXIMUM VERTICAL Dead+Collateral+Live	=	19.0
MAXIMUM VERTICAL Dead+Wind	=	1.0
MAXIMUM HORIZONTAL Dead+Wind	=	8.7
MAXIMUM VERTICAL Dead+Collateral+Mezz.	=	38.0



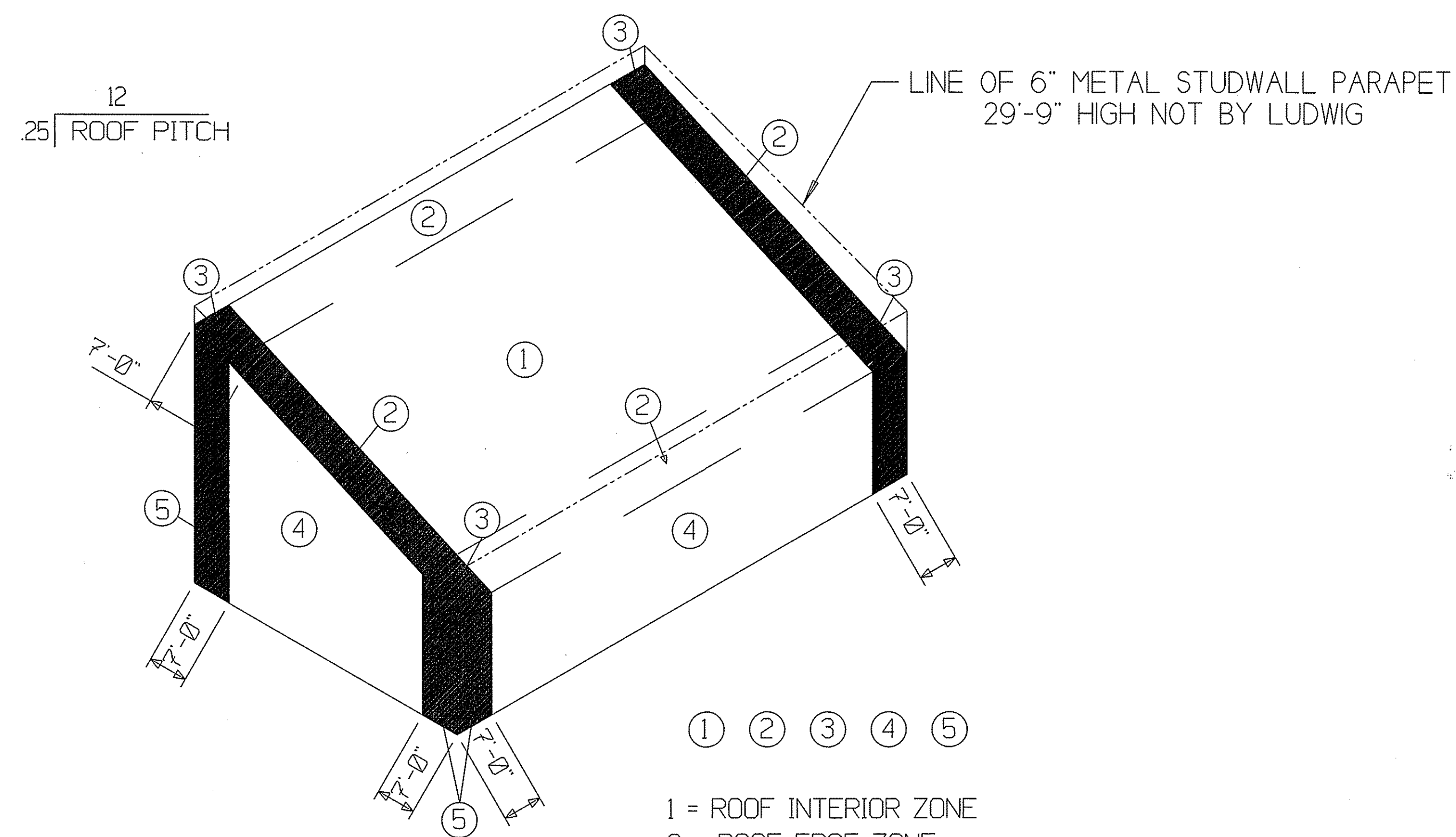
**REVISIONS**

NO.	DATE	DRAWN BY	CHECKED BY
1			
2			
3			

**LUDWIG**  
 BUILDINGS ENTERPRISES, LLC  
 521 TIMES AVER. (504) 733-6260  
 P.O. BOX 23134 HARAHAN, LA. 70183

DRAWING: ANCHOR BOLT PLAN	JOB NUMBER: 18-0212-RF
CUSTOMER: Spartan Building Corp.	SCALE: N.T.S.
JOB LOCATION: Covington, La.	SHEET: 2 OF 2
DATE: 7/3/18	DESIGNER: ZZ
DRAFTER: E.J.	CHECKER: W.J.M.

# ERECTION DRAWINGS



- ① = ROOF INTERIOR ZONE
- ② = ROOF EDGE ZONE
- ③ = ROOF CORNER ZONE
- ④ = WALL INTERIOR ZONE
- ⑤ = WALL EDGE ZONE

## DESIGN PARAMETERS

FRAME TYPE:	RF-
ROOF SLOPE:	0.25:12
BAY SIZE:	6 at 20.42 feet
WIDTH:	70 feet
LENGTH:	143 feet
EAVE HEIGHT:	27.63 feet
DESIGN CODE:	IBC 15

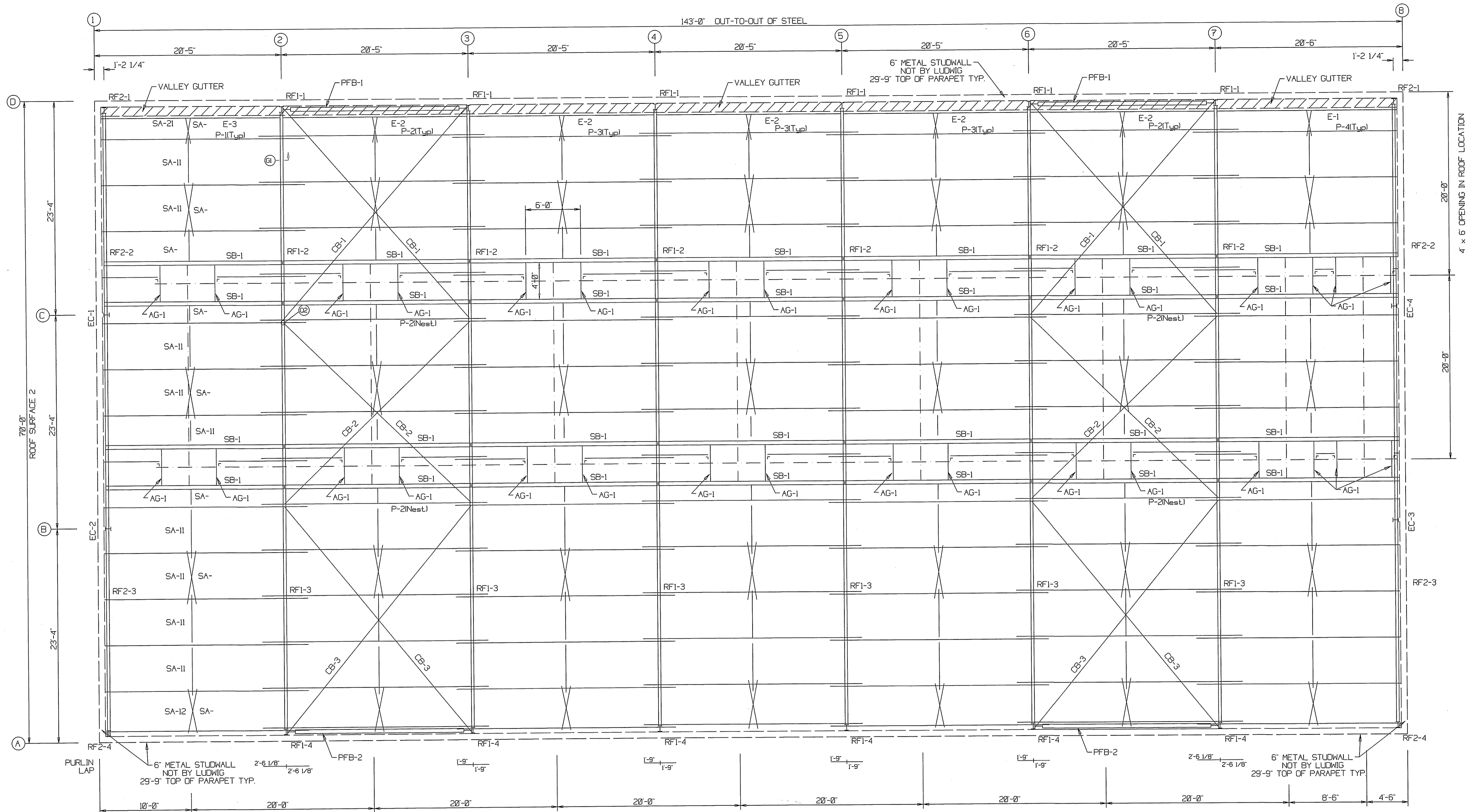
## DESIGN LOAD

FRAME SELF WEIGHT:	INCLUDED	TOPOGRAPHIC FACTOR Kzt:	1.00
ROOF DEAD LOAD:	2.500 psf	SITE CLASS:	D
COLLATERAL LOAD:	5 psf	TOPOGRAPHIC COE. Kzt:	1
LIVE LOAD:	20.00 psf	EDGE ZONE WIDTH a (feet):	7'-0"
SNOW LOAD:	5 psf	PANEL DESIGN PRESSURES	
ULTI. WIND SPEED:	140 mph	ROOF PANEL (ZONE 1):	-35.23 / 16.00
EXPOSURE:	B	ROOF PANEL (ZONE 2):	-59.16 / 16.00
CLOSED/OPEN/PARTIA. OPEN:	Closed	ROOF PANEL (ZONE 3):	-89.04 / 16.00
INTERNAL PRESSURE COEF.:	0.18 / -0.18	WALL PANEL (ZONE 4):	-34.93 / 32.24
SEISMIC COEFFICIENT S <sub>s</sub> /S <sub>i</sub> :	0.10 / 0.06	WALL PANEL (ZONE 5):	-42.91 / 32.24
WIND IMPORTANT FACTOR:	1.00		
SEISMIC IMPORTANT FACTOR:	1.00		



NOTE:  
SEE LUDWIGS STANDARD ERECTION MANUAL FOR ADDITIONAL INFORMATION.  
PURCHASER IS RESPONSIBLE TO ASSURE THAT ALL BUILDING STRUCTURAL  
COMPONENTS (E.G., MASONRY WALLS, DOORS GLASS, ETC.) NOT BY LUDWIG  
MUST MEET BUILDING DESIGN LOADS AND DESIGN CRITERIA.

CUSTOMER:	Spartan Building Corp.	
JOB LOCATION:	Covington, La	
COUNTY/PARISH:		
 BUILDINGS ENTERPRISES, LLC 521 TIMES AVER AVE. (504) 733-6260 P.O. BOX 23134 HARAHAN, LA. 70118	DATE:	6/29/18
	DESIGNER:	ZZ
	DRAFTER:	E.J.
	CHECKED BY:	W.J.M.
		JOB NUMBER 18-0212-RF



ROOF FRAMING PLAN

PLEASE VERIFY ALL DIMENSIONS

VERIFY EXACT LOCATION & FRAMED OPENING SIZES IN ROOF

- NOTES:**
1. EACH DRAWING SHEET MUST BE SIGNED AND DATED.
  2. ERECTION DRAWINGS WILL BE SENT WITH SHIPMENT OF THE BUILDING.
  3. THIS ORDER WILL BE PLACED ON HOLD UNTIL THE DRAWINGS ARE APPROVED ABOVE, SIGNED, AND RETURNED TO LUDWIG.
  4. THESE APPROVAL DRAWINGS SHOULD BE RETURNED TO LUDWIG WITHIN TWO WEEKS FROM THE DATE SENT BY LUDWIG. ANY DELAY IN RETURNING THESE APPROVAL DRAWINGS IN TWO WEEKS MAY RESULT IN ESCALATED BUILDING COSTS.

FIRST SUBMITTAL PAGES 11 THRU 11

**APPROVAL DRAWINGS SENT FOR APPROVAL**

- DRAWINGS APPROVED FOR FABRICATION
- DRAWINGS APPROVED FOR FABRICATION WITH NOTED CHANGES. DO NOT RESUBMIT.
- CORRECT DRAWINGS AND RESUBMIT FOR APPROVAL

APPROVED BY :

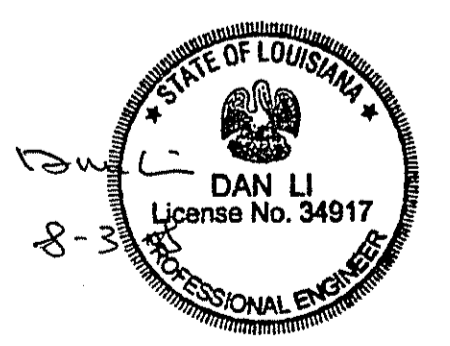
SIGN \_\_\_\_\_ DATE \_\_\_\_\_  
 PRINT NAME \_\_\_\_\_  
 COMPANY NAME \_\_\_\_\_  
 DATE MAILED/SENT BY LUDWIG : \_\_\_\_\_  
 DATE RETURNED TO LUDWIG : \_\_\_\_\_

REVISIONS			
NO.	DATE	DRAWN BY	CHECKED BY
1			
2			
3			

**LUDWIG**  
 BUILDINGS ENTERPRISES, LLC  
 521 TIMESAVER AVE. (504) 733-6260  
 P.O. BOX 23134 HARAHAN, LA. 70113

DRAWING: **ROOF FRAMING**  
 CUSTOMER: Spartan Building Corp.  
 JOB LOCATION: Covington, La.  
 DATE: 7/3/18 DESIGNER: ZZ DRAFTER: E.J. CHECKER: W.J.M.

JOB NUMBER: 18-0212-RF  
 SCALE: N.T.S.  
 SHEET: 1 OF 11



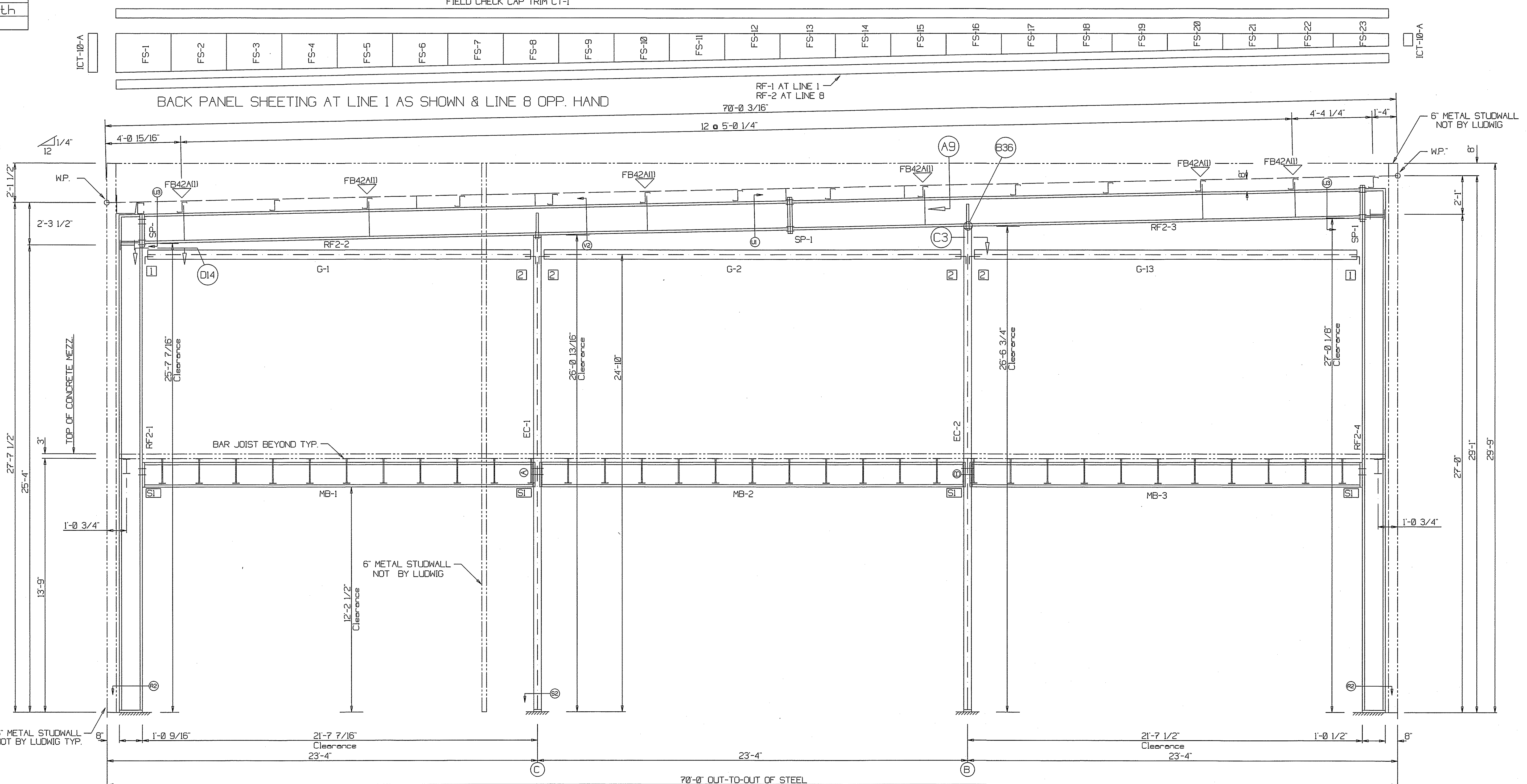
SPLICE BOLT TABLE						
Mark	Qty	Top	Bot	Int	Type	Length
SP-1	4	4	0	0	A325	2.00

CAP PLATE BOLTS				
Mark	Qty	Type	Dia	Length
EC-1	4	A325	0.500	1.75
EC-2	4	A325	0.500	1.75

SUPPORT BEAM BOLT TABLE				
ID	Qty	Type	Dia	Length
SI	4	A325	0.750	2.00

ALTERNATE MEMBERS		
Frame Line	OID	Mark
8	A	EC-4
	B	EC-3

▽ FLANGE BRACES: FBxxY(n)  
 n: 1=One Side; 2=Two Sides  
 xx=Length; Y=Size  
 A - L225x14G



CONNECTION PLATES	
ID	MARK/PART
1	GC-4
2	GC-5

SUPPORT BEAM BOLT TABLE				
ID	QUAN	TYPE	DIA	LENGTH
SI	4	A325	3/4"	2"

PLEASE VERIFY ALL DIMENSIONS

**NOTES:**  
 1. EACH DRAWING SHEET MUST BE SIGNED AND DATED.  
 2. ERECTION DRAWINGS WILL BE SENT WITH SHIPMENT OF THE BUILDING.  
 3. THIS ORDER WILL BE PLACED ON HOLD UNTIL THE DRAWINGS ARE APPROVED ABOVE, SIGNED, AND RETURNED TO LUDWIG.  
 4. THESE APPROVAL DRAWINGS SHOULD BE RETURNED TO LUDWIG WITHIN TWO WEEKS FROM THE DATE SENT BY LUDWIG. ANY DELAY IN RETURNING THESE APPROVAL DRAWINGS IN TWO WEEKS MAY RESULT IN ESCALATED BUILDING COSTS.

**FIRST SUBMITTAL**

**APPROVAL DRAWINGS**  
SENT FOR APPROVAL

DRAWINGS APPROVED FOR FABRICATION   
 DRAWINGS APPROVED FOR FABRICATION WITH NOTED CHANGES. DO NOT RESUBMIT.   
 CORRECT DRAWINGS AND RESUBMIT FOR APPROVAL

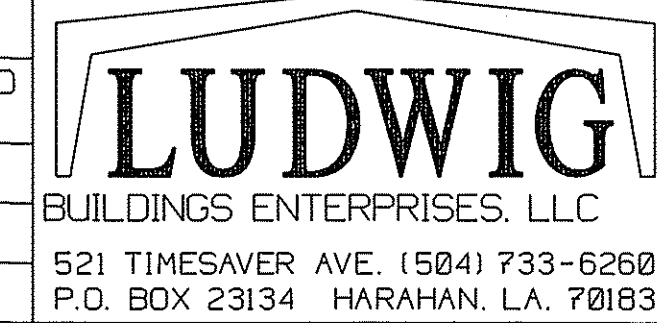
APPROVED BY: \_\_\_\_\_  
 SIGN \_\_\_\_\_ DATE \_\_\_\_\_  
 PRINT NAME \_\_\_\_\_  
 COMPANY NAME \_\_\_\_\_

DATE MAILED/SENT BY LUDWIG: \_\_\_\_\_  
 DATE RETURNED TO LUDWIG: \_\_\_\_\_

R.F. CROSS SECTION: FRAME LINE 1 AS SHOWN LINE 8 OPP. HND



REVISIONS				DRAWING: R.F. CROSS SECTION	JOB NUMBER: 18-0212-RF
NO.	DATE	DRAWN BY	CHECKED BY		
1				CUSTOMER: Spartan Building Corp. JOB LOCATION: Covington, La	SCALE: N.T.S. SHEET
2					



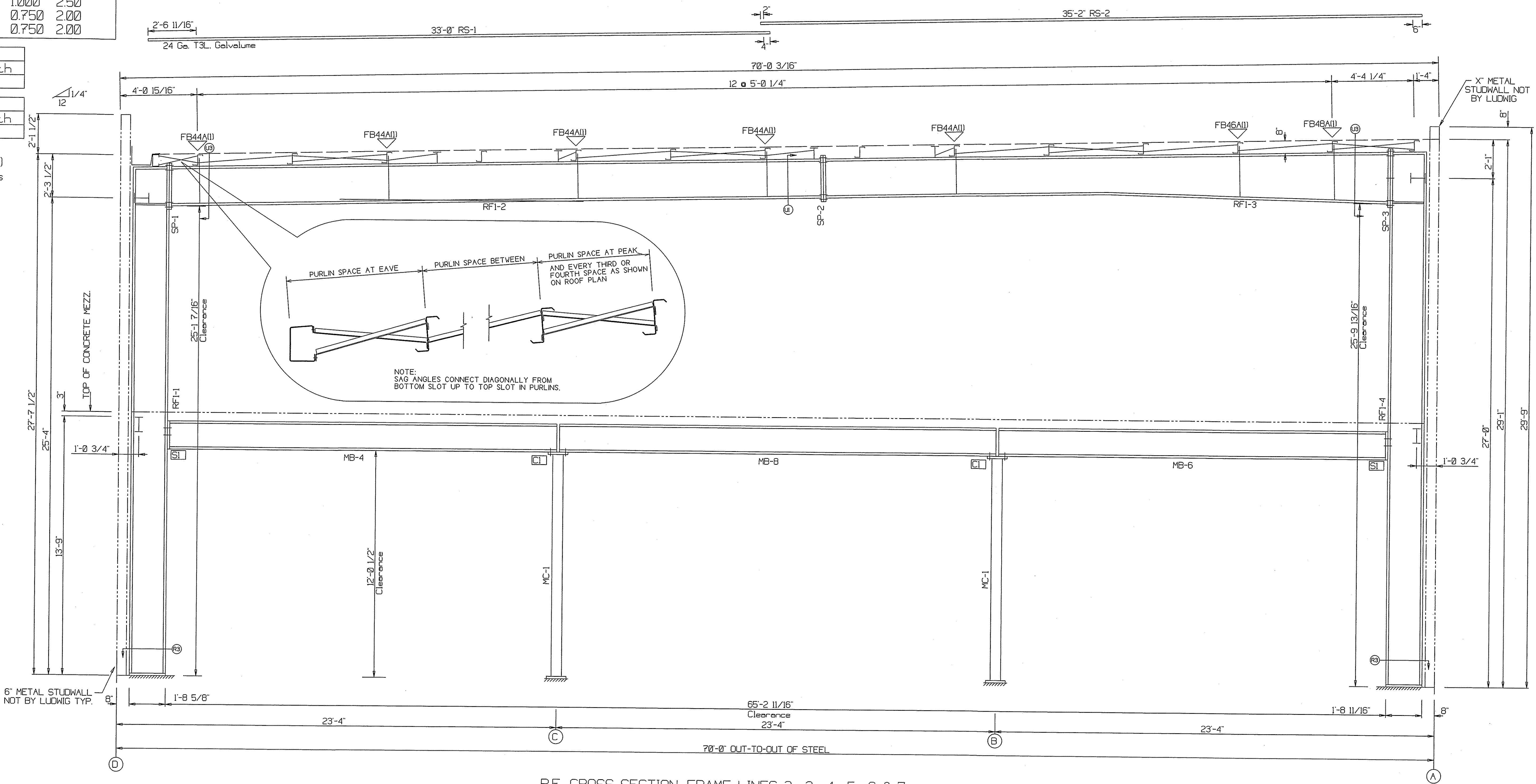
DATE: 7/3/18	DESIGNER: ZZ	DRAFTER: E.J.	CHECKER: W.J.M.	2 OF 11
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SPLICE BOLT TABLE						
Mark	Qty		Int	Type	Dia	Length
	Top	Bot				
SP-1	4	4	0	A325	1.000	2.50
SP-2	4	4	0	A325	0.750	2.00
SP-3	4	4	2	A325	0.750	2.00

SUPPORT BEAM BOLT TABLE				
ID	Qty	Type	Dia	Length
SI	4	A325	0.750	2.00

SUPPORT COLUMN BOLT TABLE				
ID	Qty	Type	Dia	Length
CI	4	A325	0.500	1.75

▽ FLANGE BRACES: FBxxY(n)  
 n: 1=One Side; 2=Two Sides  
 xx=Length; Y=Size  
 A - L225x14G



R.F. CROSS SECTION: FRAME LINES 2 3 4 5 6 & 7  
 (FLOOR BEAMS SHOWN AT FRAME LINE 2)

PLEASE VERIFY ALL DIMENSIONS

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**FIRST SUBMITTAL**

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DRAWINGS APPROVED FOR FABRICATION

DRAWINGS APPROVED FOR FABRICATION WITH NOTED CHANGES. DO NOT RESUBMIT.

CORRECT DRAWINGS AND RESUBMIT FOR APPROVAL

**APPROVED BY :**

SIGN \_\_\_\_\_ DATE \_\_\_\_\_

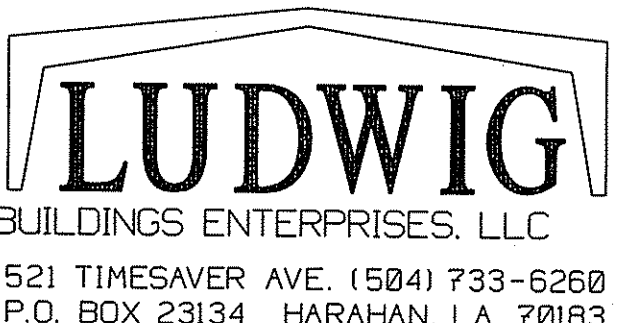
PRINT NAME \_\_\_\_\_

COMPANY NAME \_\_\_\_\_

DATE MAILED/SENT BY LUDWIG : \_\_\_\_\_

DATE RETURNED TO LUDWIG : \_\_\_\_\_

REVISIONS			
NO.	DATE	DRAWN BY	CHECKED BY
1			
2			
3			

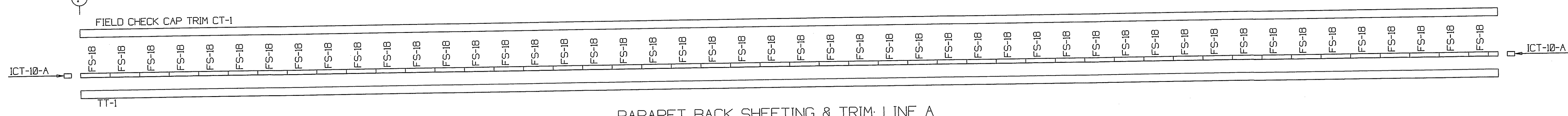
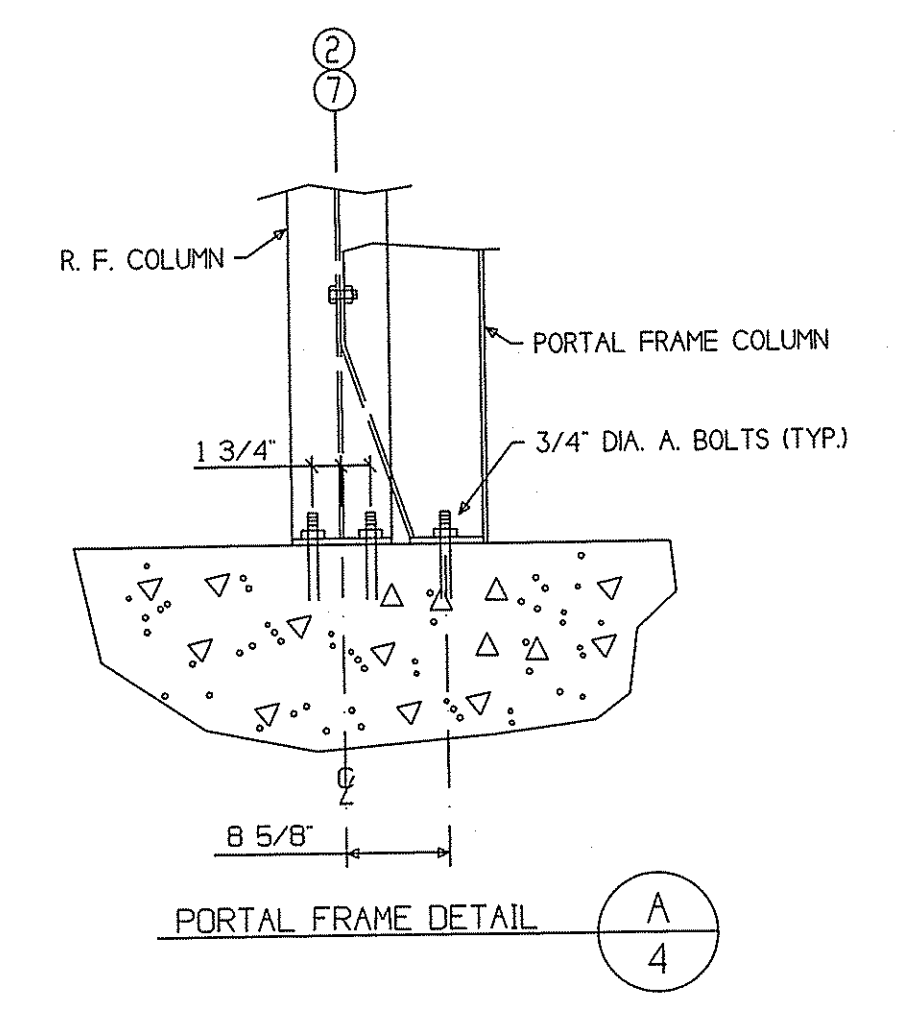
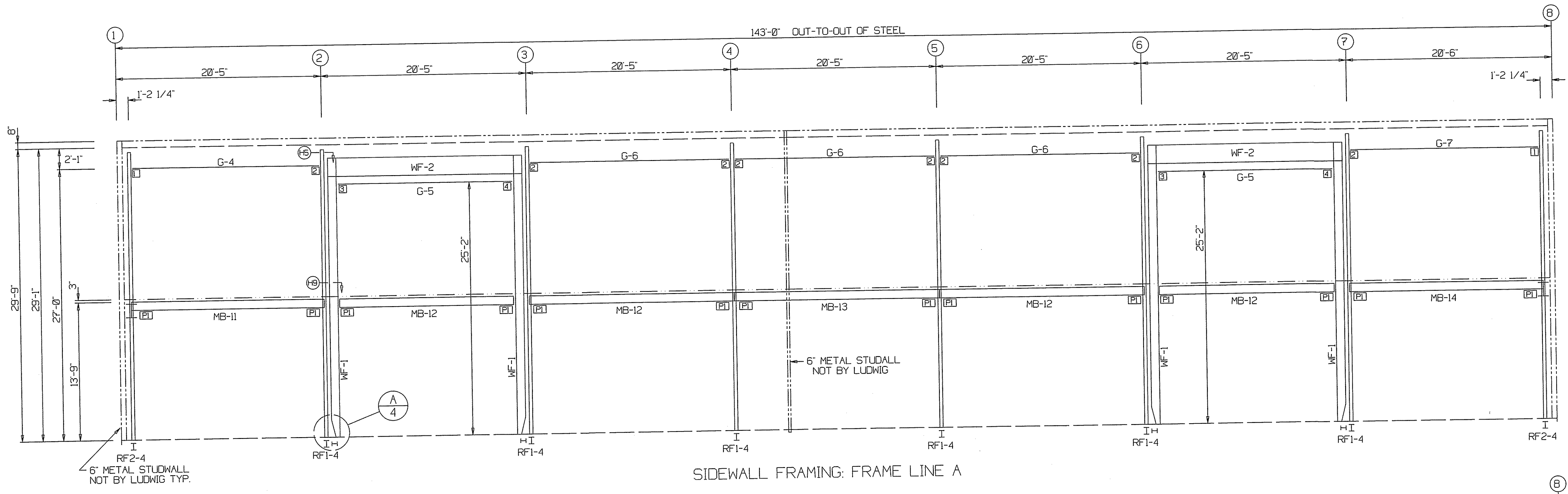


DRAWING: R.F. CROSS SECTION		JOB NUMBER: 18-0212-RF
CUSTOMER: Spartan Building Corp.		SCALE: N.T.S.
JOB LOCATION: Covington, La		SHEET 3 OF 11
DATE: 7/3/18	DESIGNER: ZZ	DRAFTER: E.J.
		CHECKER: W.J.M.



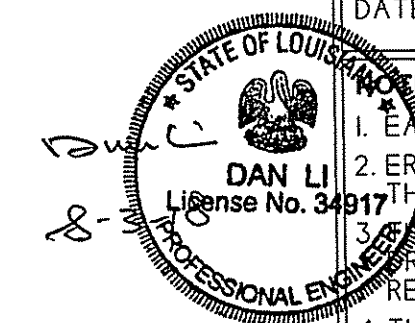
PERIMETER BEAM BOLT TABLE				
FRAME LINE A				
ID	QUAN	TYPE	DIA	LENGTH
P1	4	A325	3/4"	2"

CONNECTION PLATES	
FRAME LINE A	
ID	MARK/PART
1	GC-5
2	d4
3	d1
4	d2

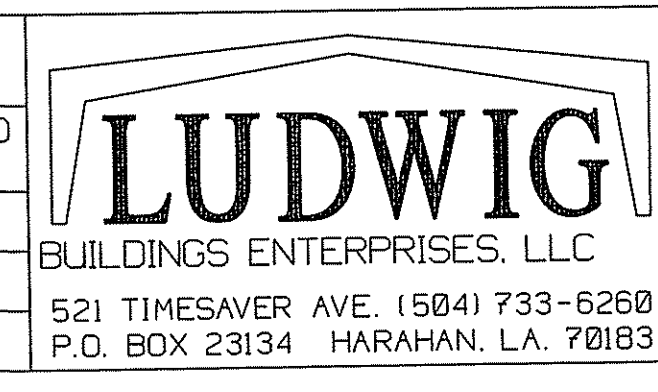


PLEASE VERIFY ALL DIMENSIONS

FIRST SUBMITTAL	
<b>APPROVAL DRAWINGS</b> SENT FOR APPROVAL	
DRAWINGS APPROVED FOR FABRICATION	<input type="checkbox"/>
DRAWINGS APPROVED FOR FABRICATION WITH NOTED CHANGES. DO NOT RESUBMIT.	<input type="checkbox"/>
CORRECT DRAWINGS AND RESUBMIT FOR APPROVAL	<input type="checkbox"/>
<b>APPROVED BY :</b>	
SIGN _____	DATE _____
PRINT NAME _____	
COMPANY NAME _____	
DATE MAILED/SENT BY LUDWIG : _____	
DATE RETURNED TO LUDWIG : _____	
NOTES: 1. EACH DRAWING SHEET MUST BE SIGNED AND DATED. 2. REVISION DRAWINGS WILL BE SENT WITH SHIPMENT OF BUILDING. 3. THIS ORDER WILL BE PLACED ON HOLD UNTIL THE DRAWINGS ARE APPROVED ABOVE, SIGNED, AND RETURNED TO LUDWIG. 4. THESE APPROVAL DRAWINGS SHOULD BE RETURNED TO LUDWIG WITHIN TWO WEEKS FROM THE DATE SENT BY LUDWIG. ANY DELAY IN RETURNING THESE APPROVAL DRAWINGS IN TWO WEEKS MAY RESULT IN ESCALATED BUILDING COSTS.	



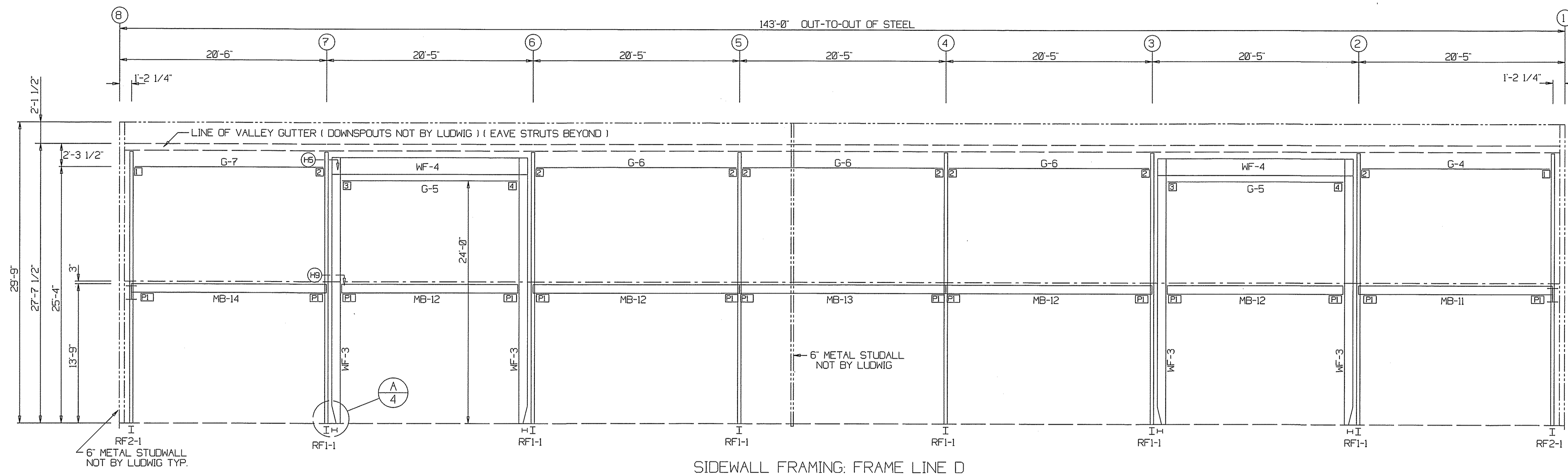
REVISIONS			
NO.	DATE	DRAWN BY	CHECKED BY
1			
2			
3			



DRAWING: <b>SIDEWALL FRAMING</b>	JOB NUMBER: 18-0212-RF
CUSTOMER: Sportan Building Corp.	SCALE: N.T.S.
JOB LOCATION: Covington, La	SHEET 4 OF 11
DATE: 7/ 3/18	DESIGNER: ZZ
DRAFTER: E.J.	CHECKER: W.J.M.

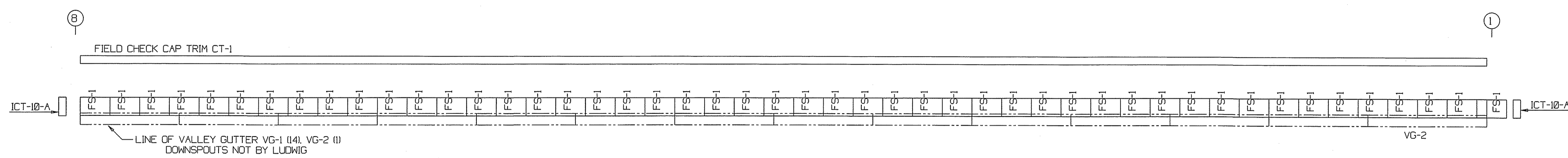
PERIMETER BEAM BOLT TABLE				
FRAME LINE D				
ID	QUAN	TYPE	DIA	LENGTH
P1	4	A325	3/4"	2 1/4"

CONNECTION PLATES	
FRAME LINE D	
ID	MARK/PART
1	GC-5
2	d4
3	d1
4	d2



SIDEWALL FRAMING: FRAME LINE D

PLEASE VERIFY ALL DIMENSIONS



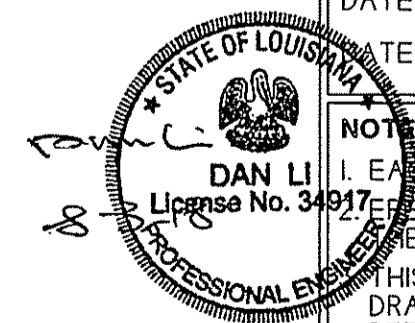
PARAPET BACK SHEETING & TRIM: LINE D  
PANELS: 26 Ga. R6L - Galvalume

**FIRST SUBMITTAL**  
**APPROVAL DRAWINGS**  
SENT FOR APPROVAL

DRAWINGS APPROVED FOR FABRICATION   
 DRAWINGS APPROVED FOR FABRICATION WITH NOTED CHANGES. DO NOT RESUBMIT.   
 CORRECT DRAWINGS AND RESUBMIT FOR APPROVAL

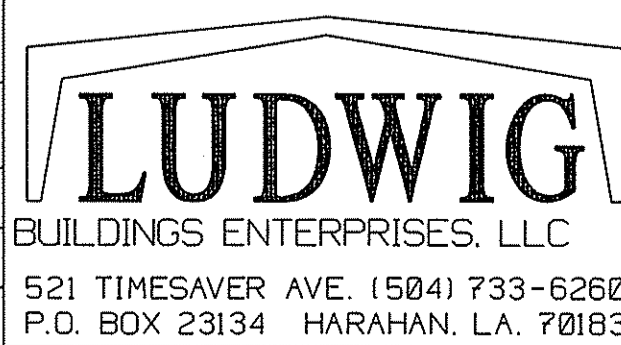
APPROVED BY :  
 SIGN \_\_\_\_\_ DATE \_\_\_\_\_  
 PRINT NAME \_\_\_\_\_  
 COMPANY NAME \_\_\_\_\_

DATE MAILED/SENT BY LUDWIG : \_\_\_\_\_  
 DATE RETURNED TO LUDWIG : \_\_\_\_\_

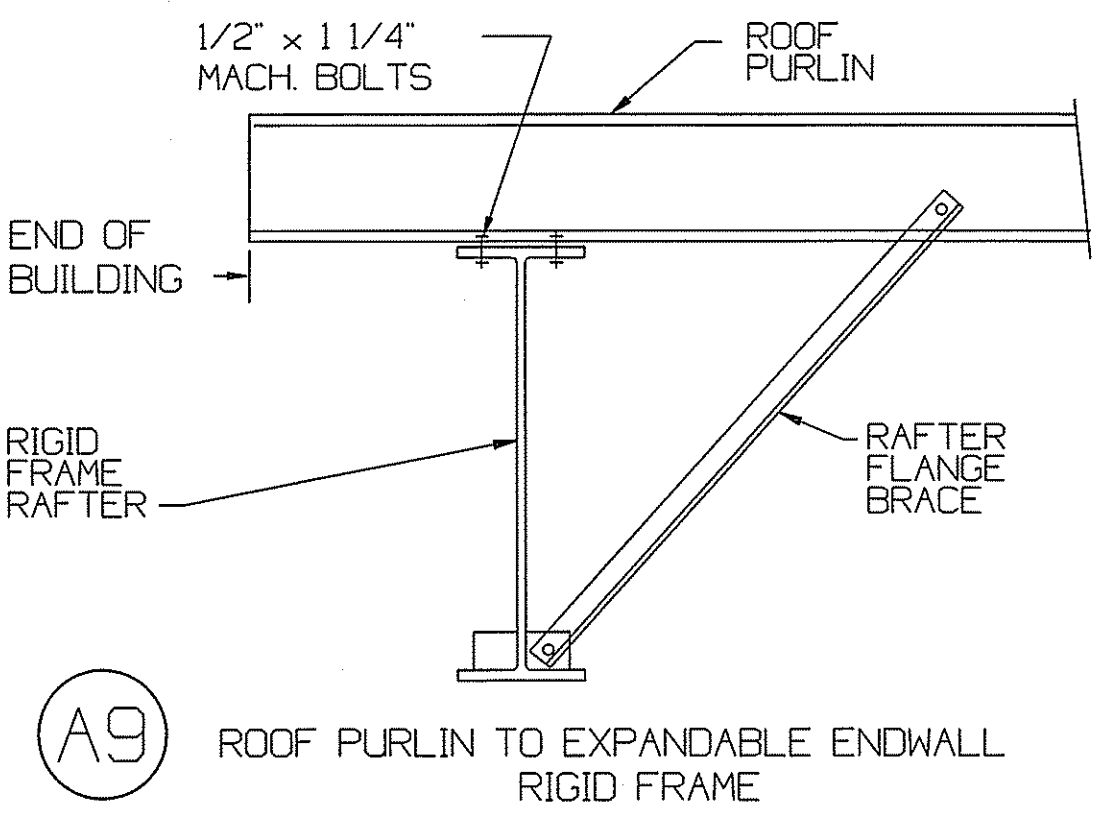


NOTES:  
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REVISIONS			
NO.	DATE	DRAWN BY	CHECKED BY
△			
△			
△			



DRAWING: SIDEWALL FRAMING		JOB NUMBER: 18-0212-RF	
CUSTOMER: Spartan Building Corp.		SCALE: N.T.S.	
JOB LOCATION: Covington, La		SHEET	
DATE: 7/3/18	DESIGNER: ZZ	DRAFTER: E.J.	CHECKER: W.J.M.
		5 OF 11	



**A9** ROOF PURLIN TO EXPANDABLE ENDWALL RIGID FRAME

**FIRST SUBMITTAL**

**APPROVAL DRAWINGS**  
SENT FOR APPROVAL

DRAWINGS APPROVED FOR FABRICATION

DRAWINGS APPROVED FOR FABRICATION WITH NOTED CHANGES. DO NOT RESUBMIT.

CORRECT DRAWINGS AND RESUBMIT FOR APPROVAL

APPROVED BY: \_\_\_\_\_

SIGN \_\_\_\_\_ DATE \_\_\_\_\_

PRINT NAME \_\_\_\_\_

COMPANY NAME \_\_\_\_\_

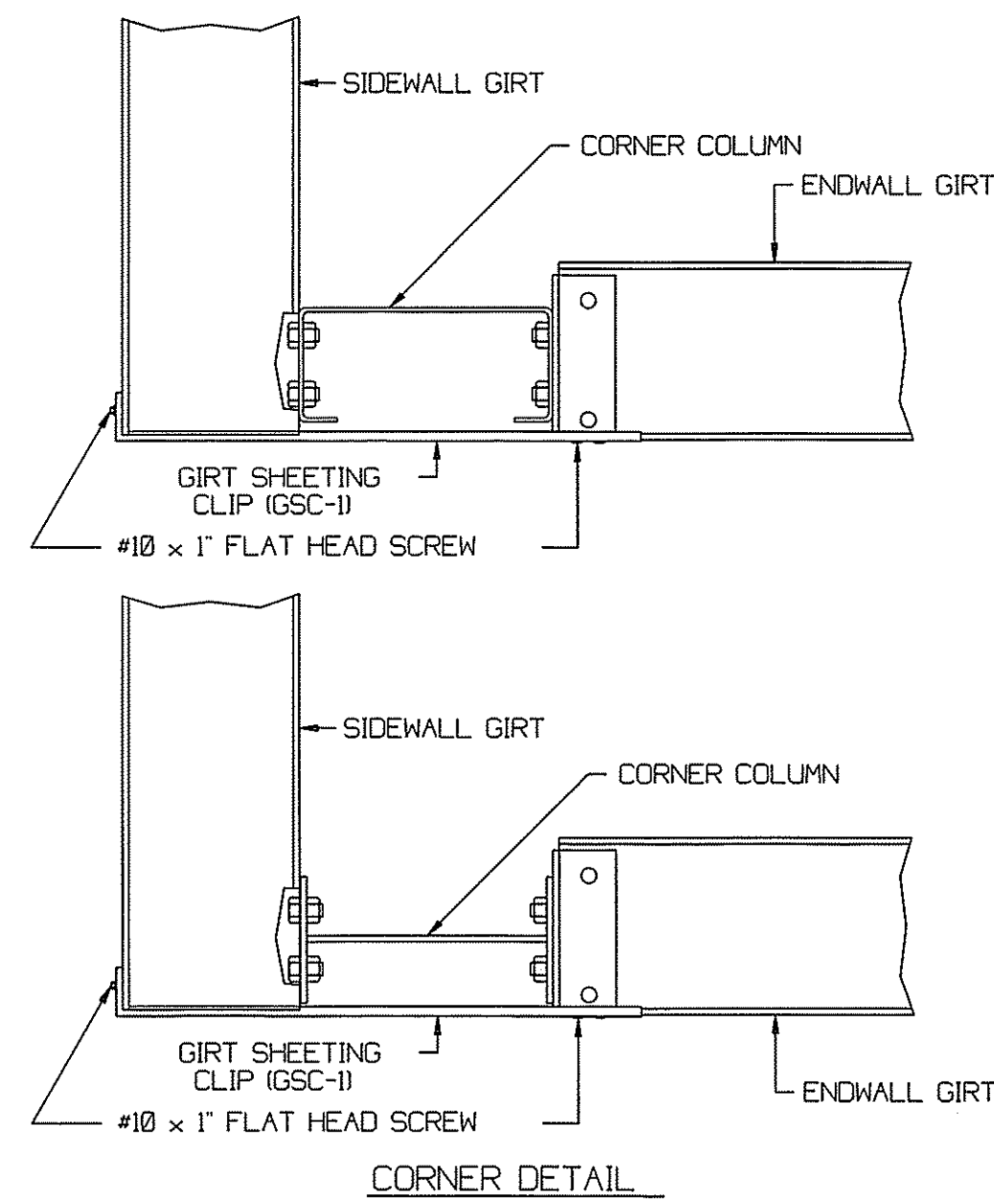
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DATE MAILED/SENT BY LUDWIG: \_\_\_\_\_

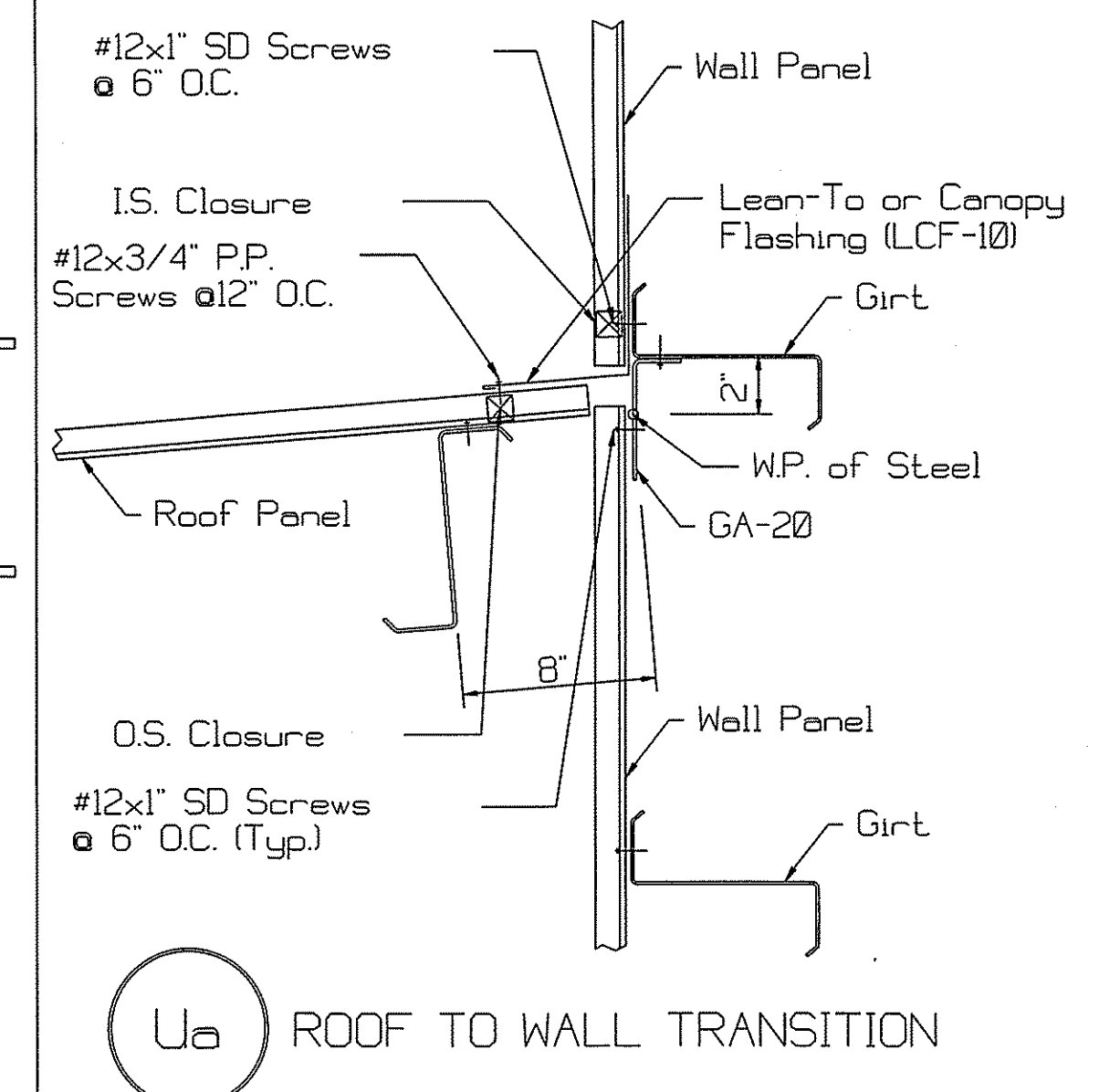
DATE RETURNED TO LUDWIG: \_\_\_\_\_

**NOTES:**

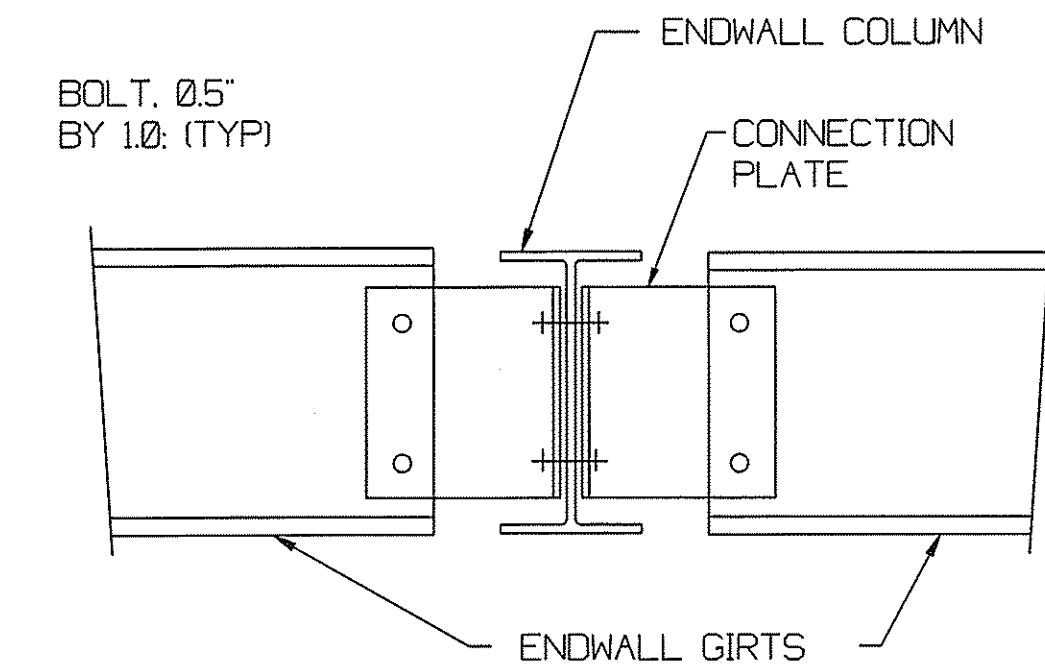
- EACH DRAWING SHEET MUST BE SIGNED AND DATED.
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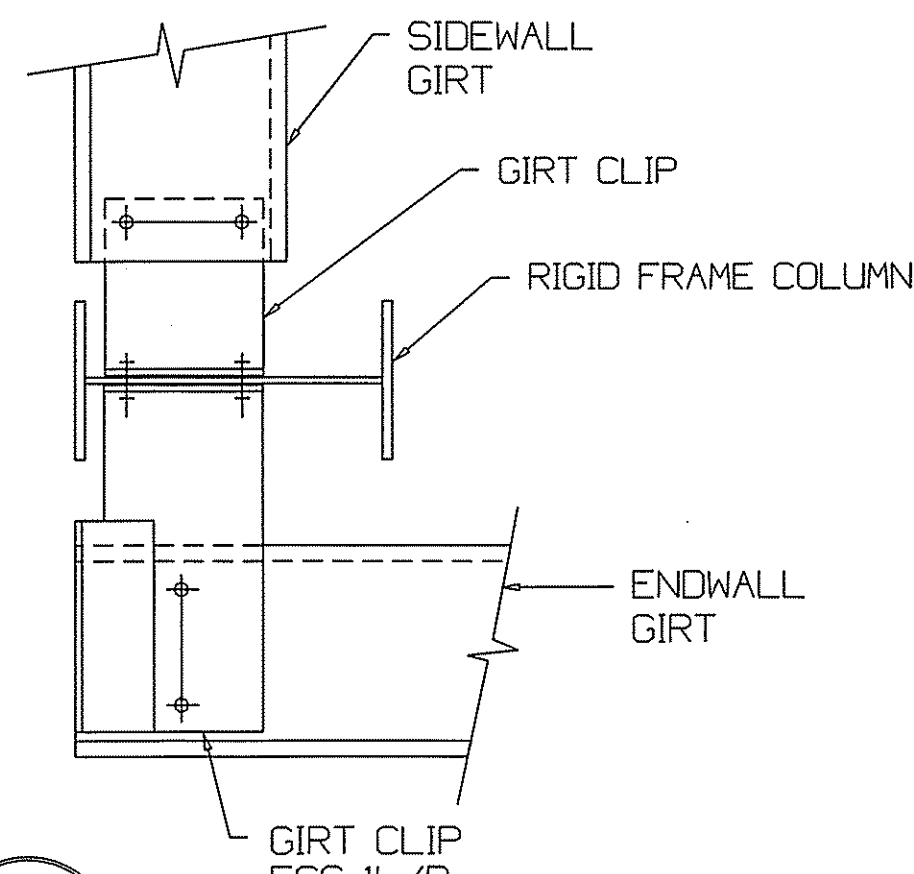
**B36** ENDWALL RAFTER TO COLUMN



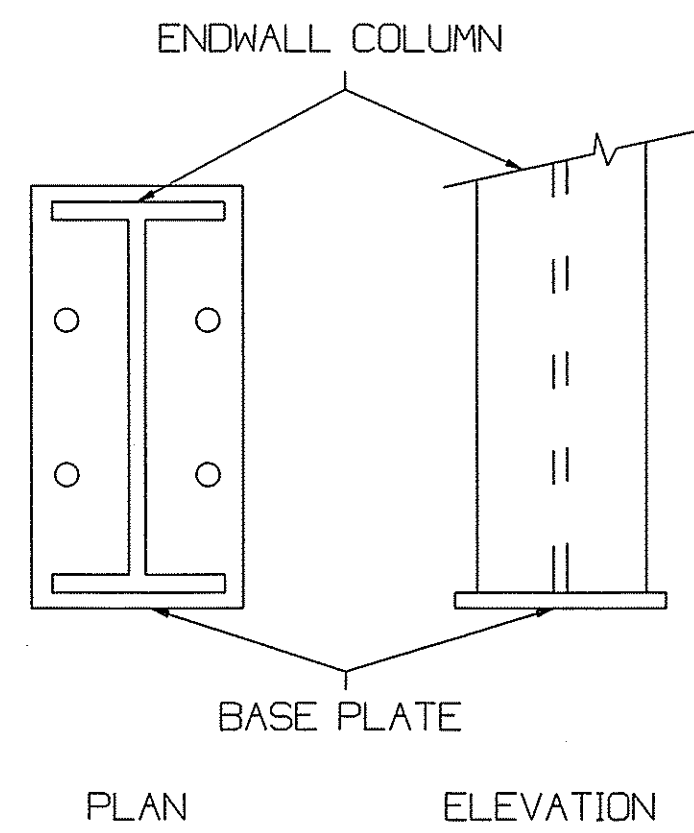
**Ua** ROOF TO WALL TRANSITION



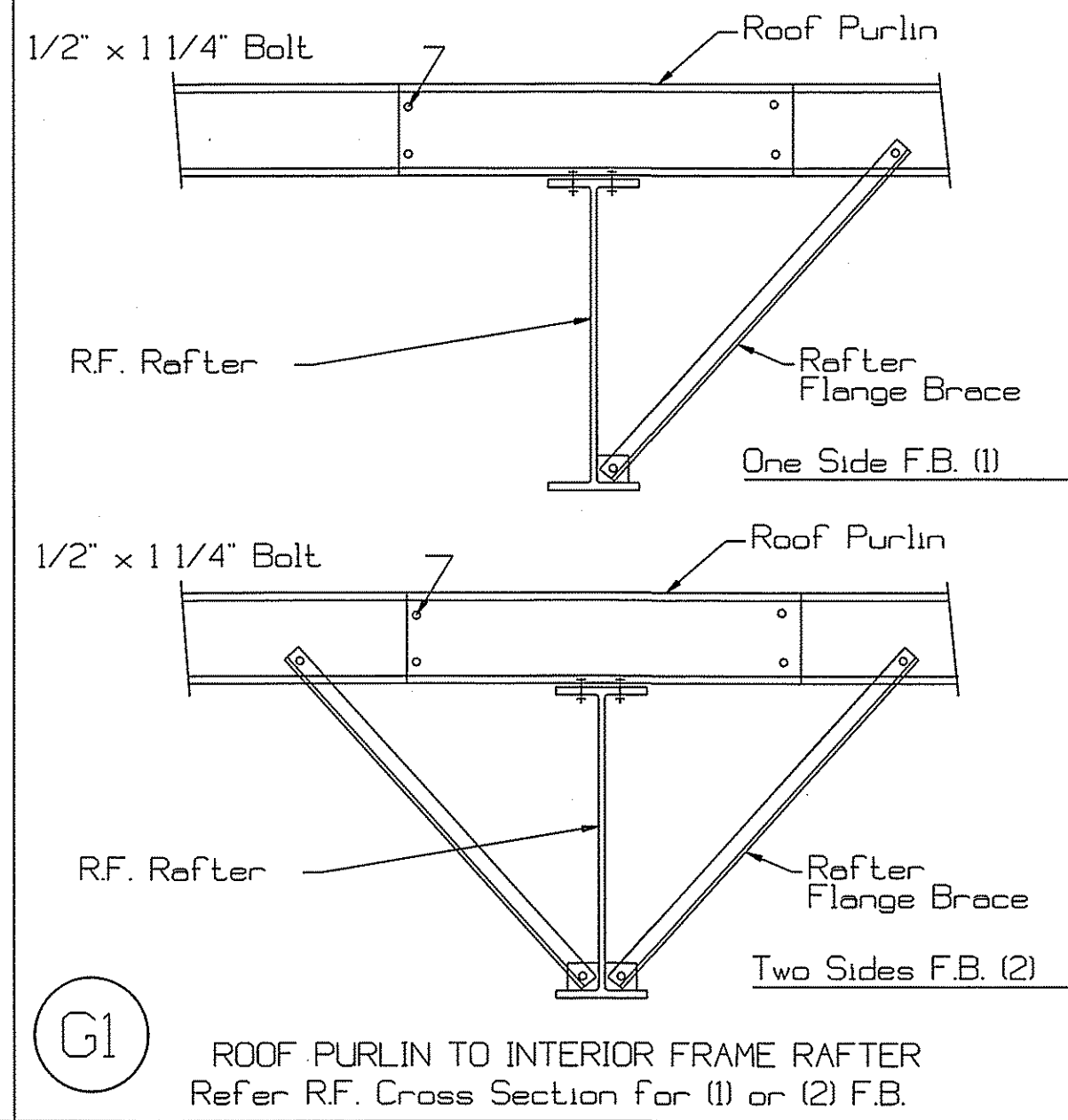
**C3** ENDWALL COLUMN TO WALL GIRTS



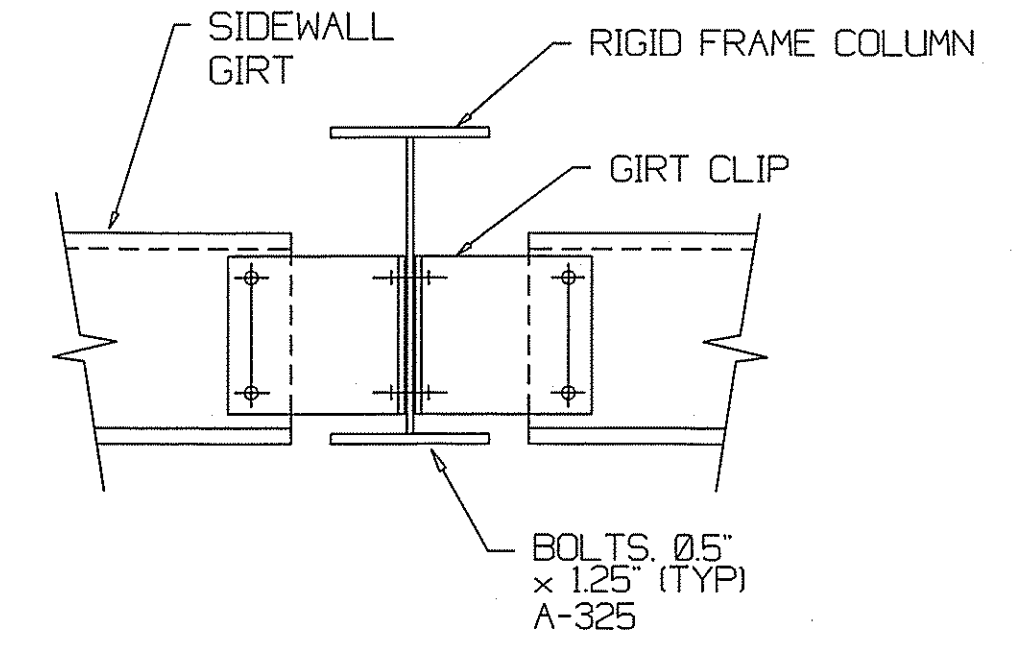
**D14** CORNER COLUMN TO WALL GIRTS



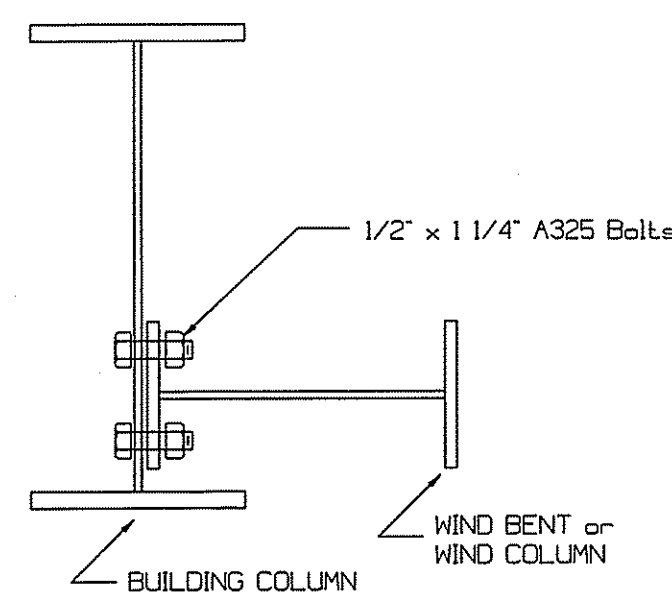
**E3** BASE PLATE FOR ENDWALL COLUMN



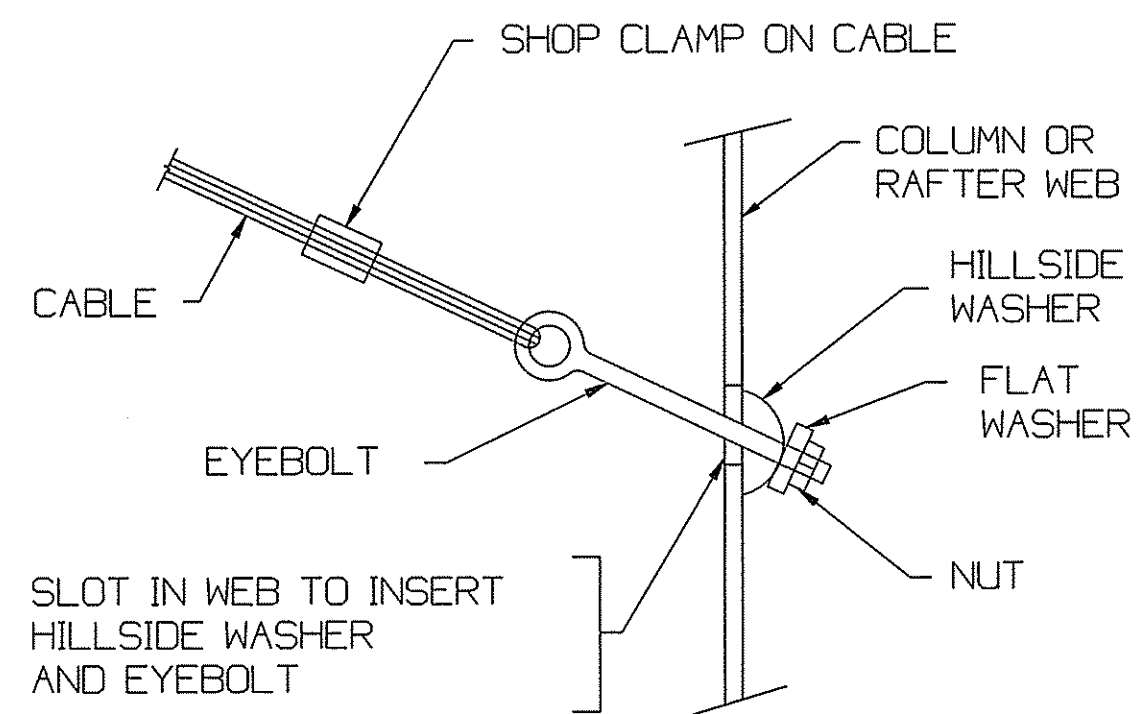
**G1** ROOF PURLIN TO INTERIOR FRAME RAFTER  
Refer R.F. Cross Section for (1) or (2) F.B.



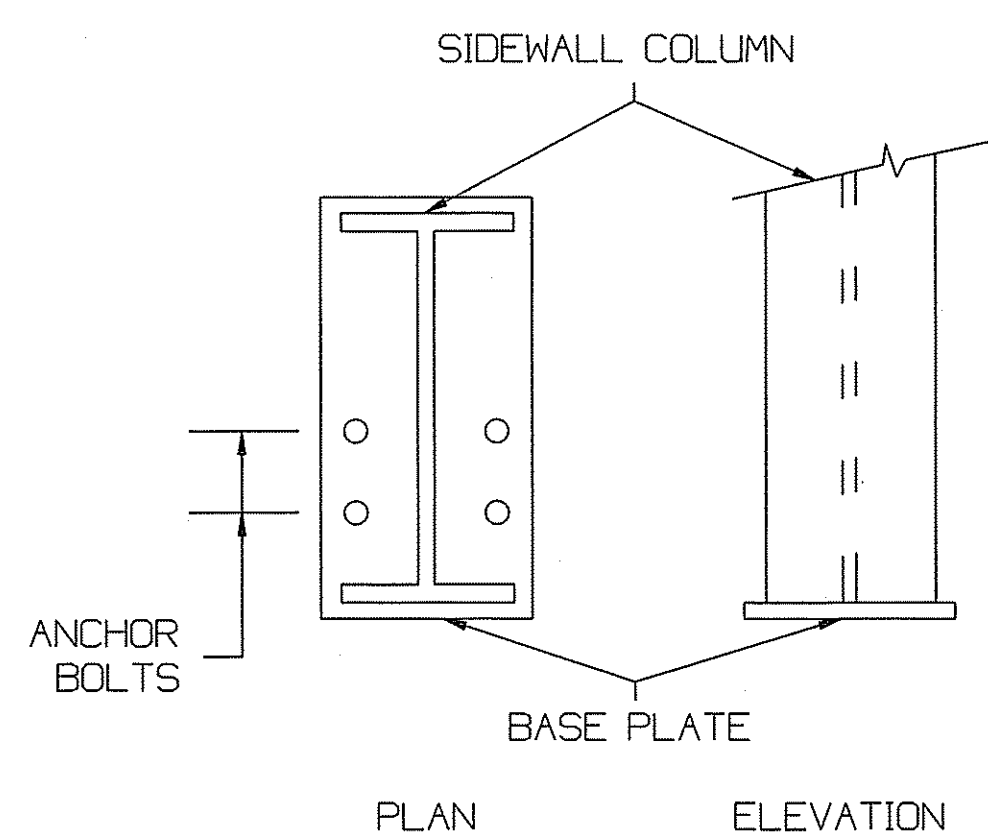
**H5** WALL GIRTS TO FRAME COLUMN



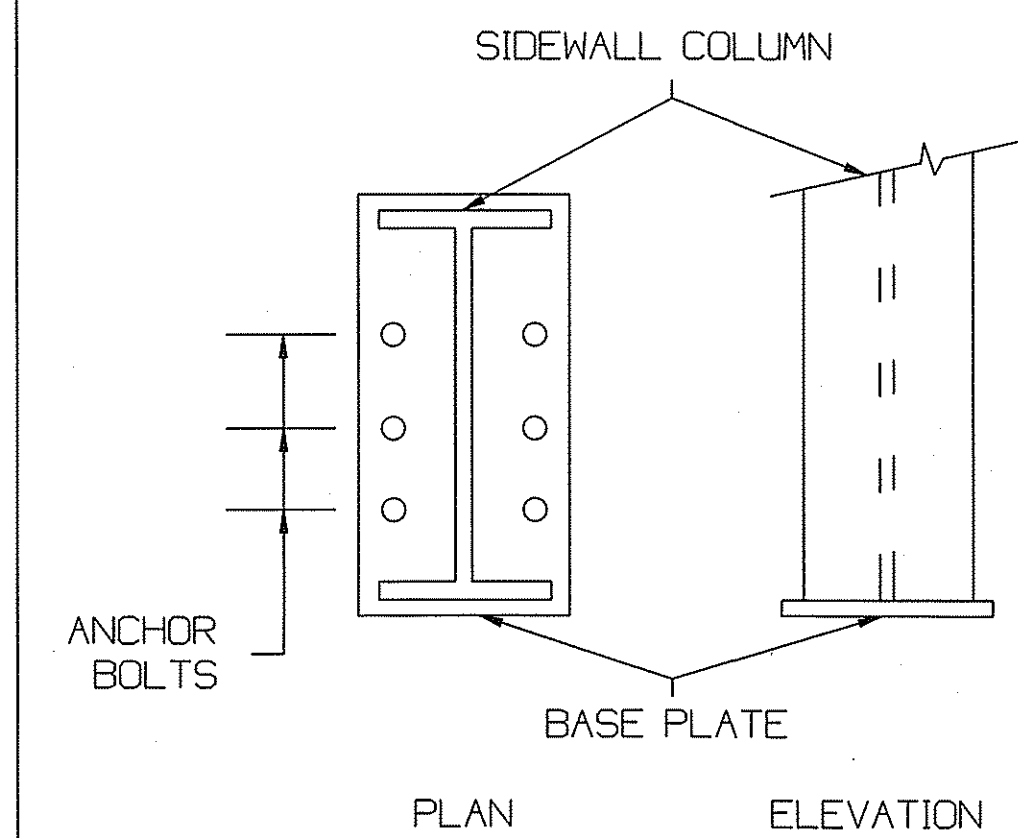
**H9** WIND BENT OR WIND COLUMN TO BUILDING COLUMN



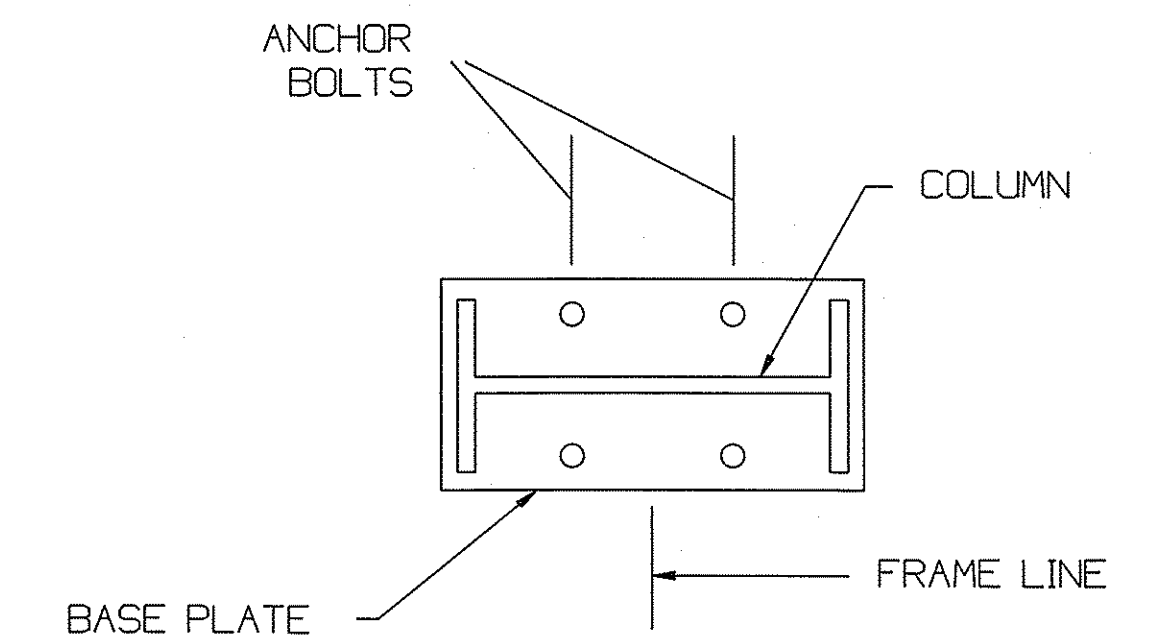
**Q2** DIAGONAL CABLE, EYEBOLT END



**R2** ANCHOR BOLTS AT SIDEWALL COLUMN



**R3** ANCHOR BOLTS AT SIDEWALL COLUMN



**S2** INTERIOR COLUMN ANCHOR BOLTS

Erector Note: All holes to attach jamba to girts, eave struts or other members are to be field located and field drilled to allow the jamba to be plumbed.

REVISIONS			
NO.	DATE	DRAWN BY	CHECKED BY
1			
2			
3			

**LUDWIG**  
BUILDINGS, INC.

521 TIMES AVER AVE. (504) 733-6260  
P.O. BOX 23134 HARAHAN, LA. 70113

DRAWING: **DETAIL DRAWINGS**

CUSTOMER: Spartan Building Corp.

JOB LOCATION: Covington, La.

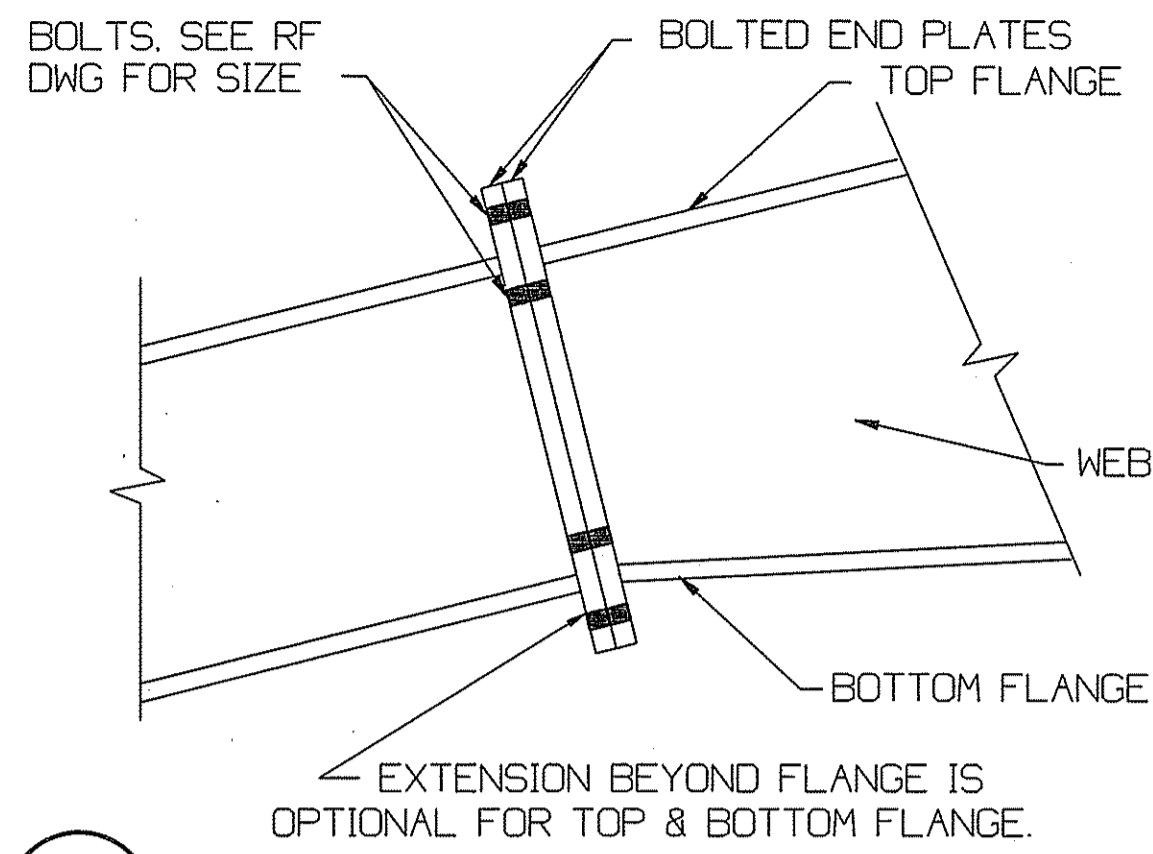
DATE: 7/3/18 DESIGNER: ZZ DRAFTER: E.J. CHECKER: W.J.M.

JOB NUMBER: 18-0212-RF

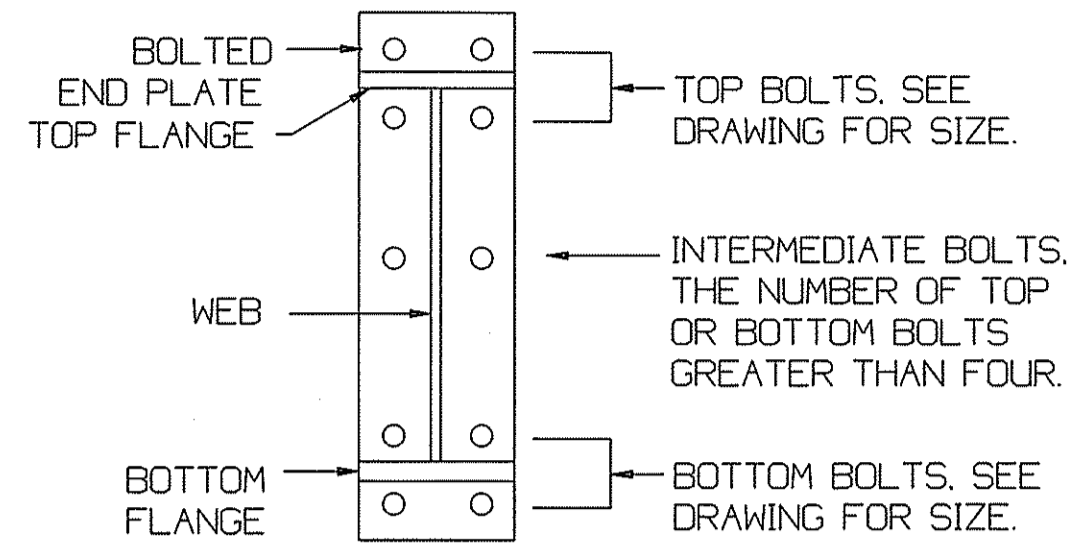
SCALE: N.T.S.

SHEET 6 OF 11

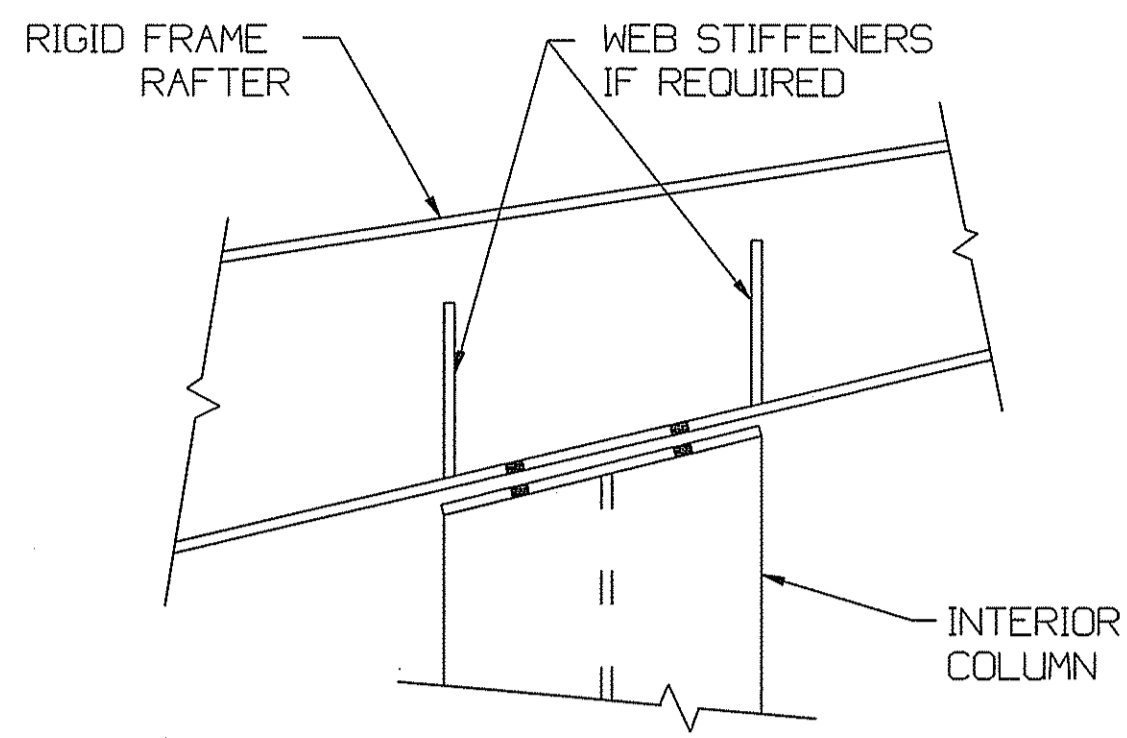




U1 BOLTED END PLATE RAFTER SPLICE



U3 BOLTS FOR RAFTER TO COLUMN CONNECTION



V2 INTERIOR COLUMN TO RAFTER

**FIRST SUBMITTAL**  
**APPROVAL DRAWINGS**  
SENT FOR APPROVAL

- DRAWINGS APPROVED FOR FABRICATION
- DRAWINGS APPROVED FOR FABRICATION WITH NOTED CHANGES. DO NOT RESUBMIT.
- CORRECT DRAWINGS AND RESUBMIT FOR APPROVAL

**APPROVED BY :**  
SIGN \_\_\_\_\_ DATE \_\_\_\_\_  
PRINT NAME \_\_\_\_\_  
COMPANY NAME \_\_\_\_\_

DATE MAILED/SENT BY LUDWIG : \_\_\_\_\_  
DATE RETURNED TO LUDWIG : \_\_\_\_\_

- NOTES:**
1. EACH DRAWING SHEET MUST BE SIGNED AND DATED.
  2. ERECTION DRAWINGS WILL BE SENT WITH SHIPMENT OF THE BUILDING.
  3. THIS ORDER WILL BE PLACED ON HOLD UNTIL THE DRAWINGS ARE APPROVED ABOVE, SIGNED, AND RETURNED TO LUDWIG.
  4. THESE APPROVAL DRAWINGS SHOULD BE RETURNED TO LUDWIG WITHIN TWO WEEKS FROM THE DATE SENT BY LUDWIG. ANY DELAY IN RETURNING THESE APPROVAL DRAWINGS IN TWO WEEKS MAY RESULT IN ESCALATED BUILDING COSTS.

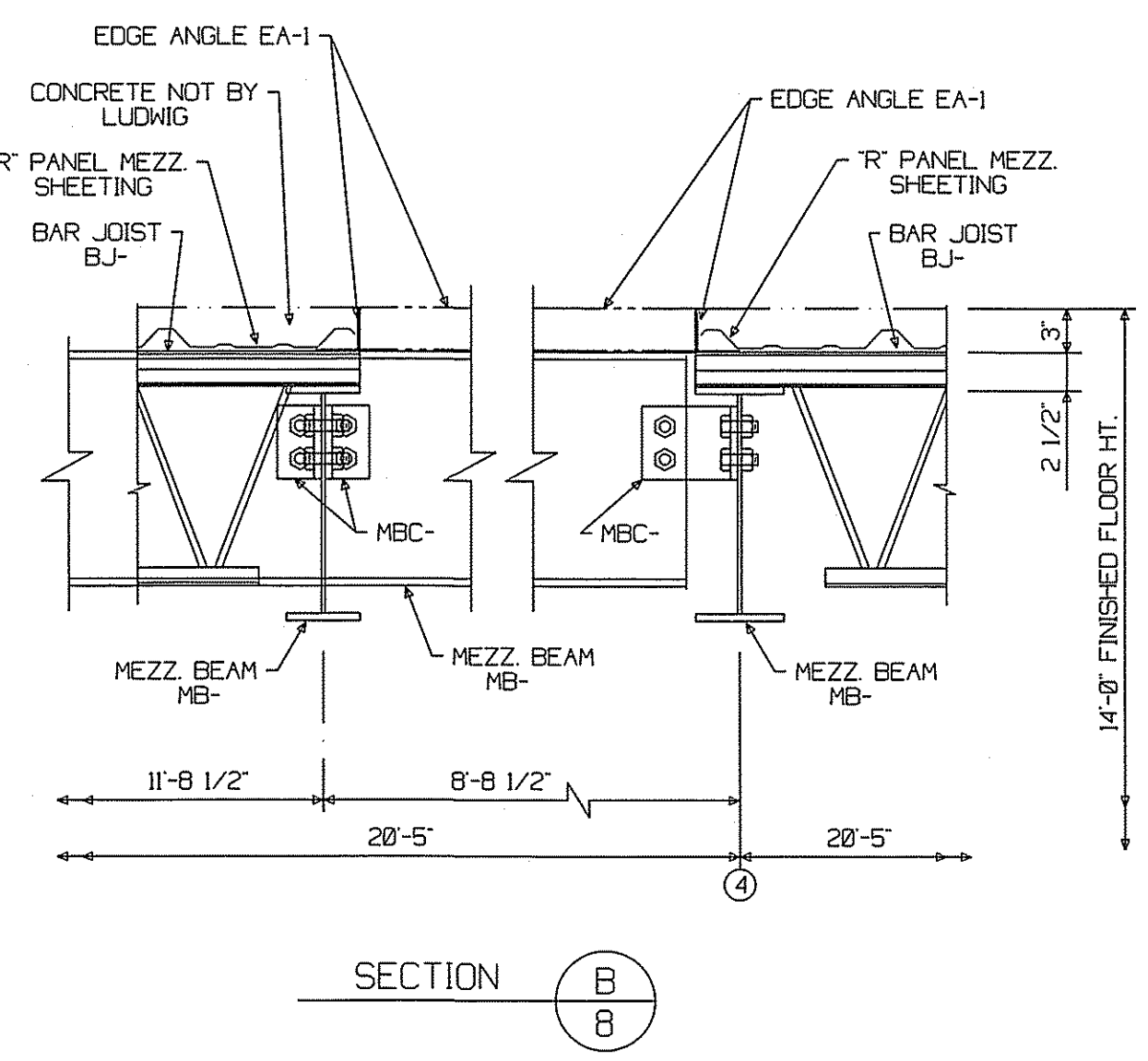
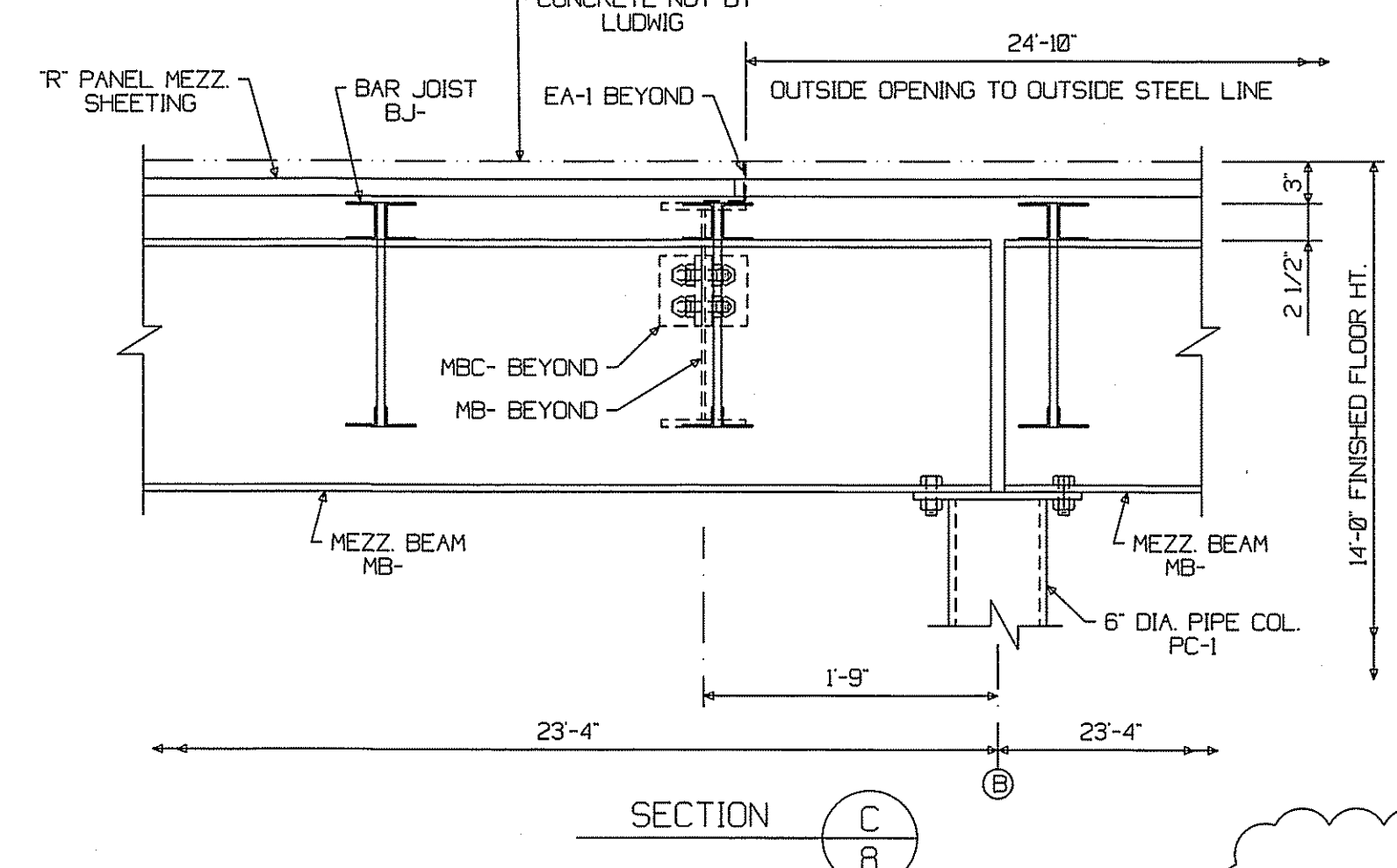
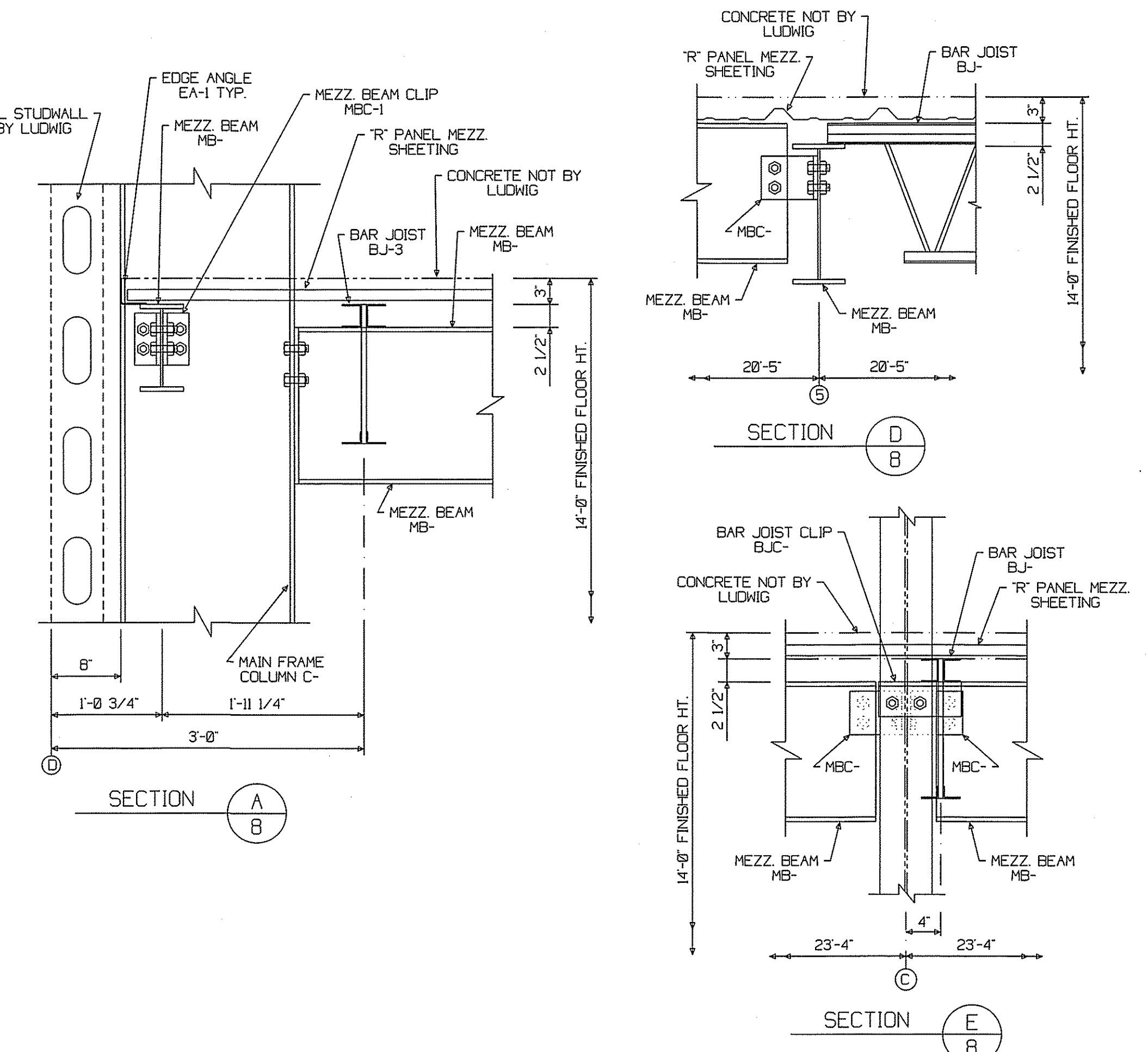
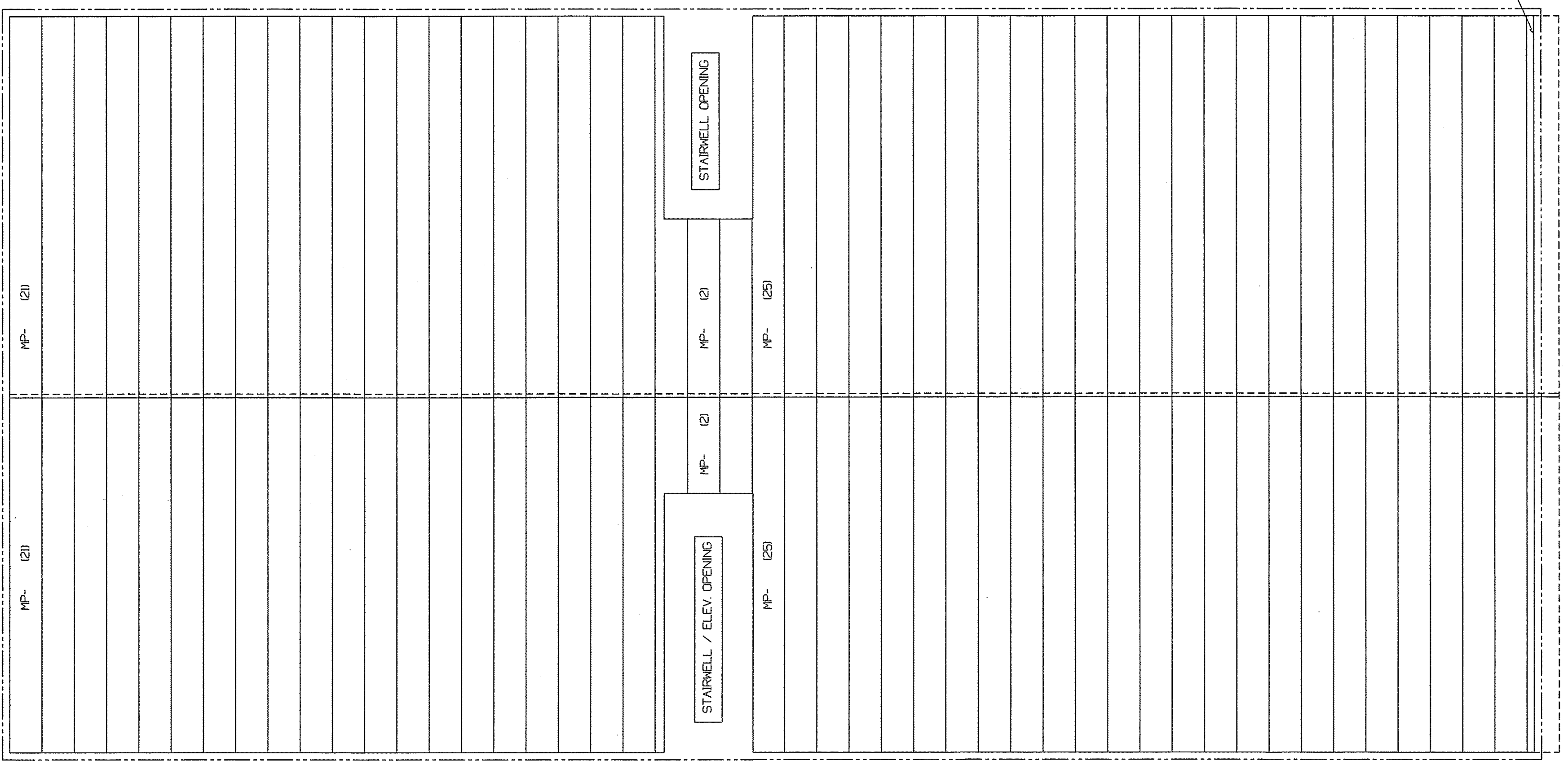
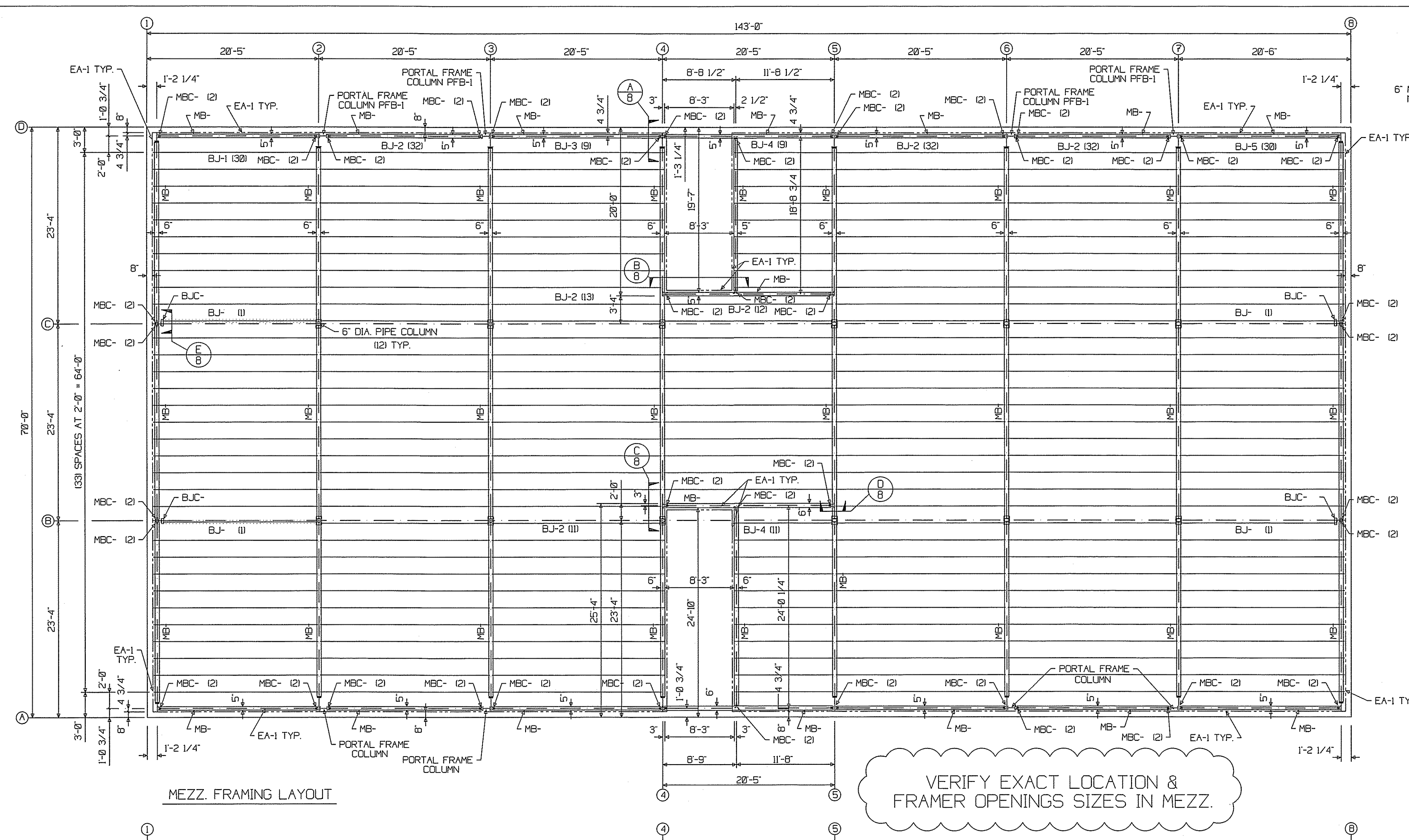
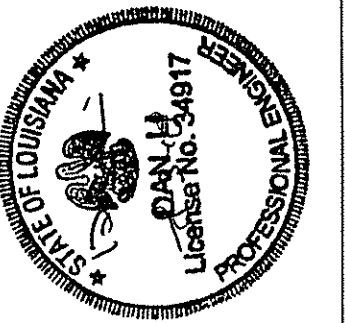


REVISIONS			
NO.	DATE	DRAWN BY	CHECKED BY
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△			
△			

**LUDWIG**  
**BUILDINGS, INC.**  
521 TIMES AVER AVE. (504) 733-6260  
P.O. BOX 23134 HARAHAN, LA. 70113

DRAWING: <b>DETAIL DRAWINGS</b>		JOB NUMBER: 18-0212-RF	
CUSTOMER: Spartan Building Corp.		SCALE: N.T.S.	
JOB LOCATION: Covington, La		SHEET	
DATE: 7/3/18	DESIGNER: ZZ	DRAFTER: E.J.	CHECKER: W.J.M.
		7 OF 11	

Erector Note: All holes to attach jombs to girts, eave struts or other members are to be field located and field drilled to allow the jomb to be plumbed.



PLEASE VERIFY ALL DIMENSIONS

**FIRST SUBMITTAL**

**APPROVAL DRAWINGS**  
SENT FOR APPROVAL

DRAWINGS APPROVED FOR FABRICATION   
 DRAWINGS APPROVED FOR FABRICATION WITH NOTED CHANGES. DO NOT RESUBMIT.   
 CORRECT DRAWINGS AND RESUBMIT FOR APPROVAL.

APPROVED BY: \_\_\_\_\_

SIGN \_\_\_\_\_ DATE \_\_\_\_\_  
 PRINT NAME \_\_\_\_\_  
 COMPANY NAME \_\_\_\_\_

DATE MAILED/SENT BY LUDWIG: \_\_\_\_\_  
 DATE RETURNED TO LUDWIG: \_\_\_\_\_

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**REVISIONS**

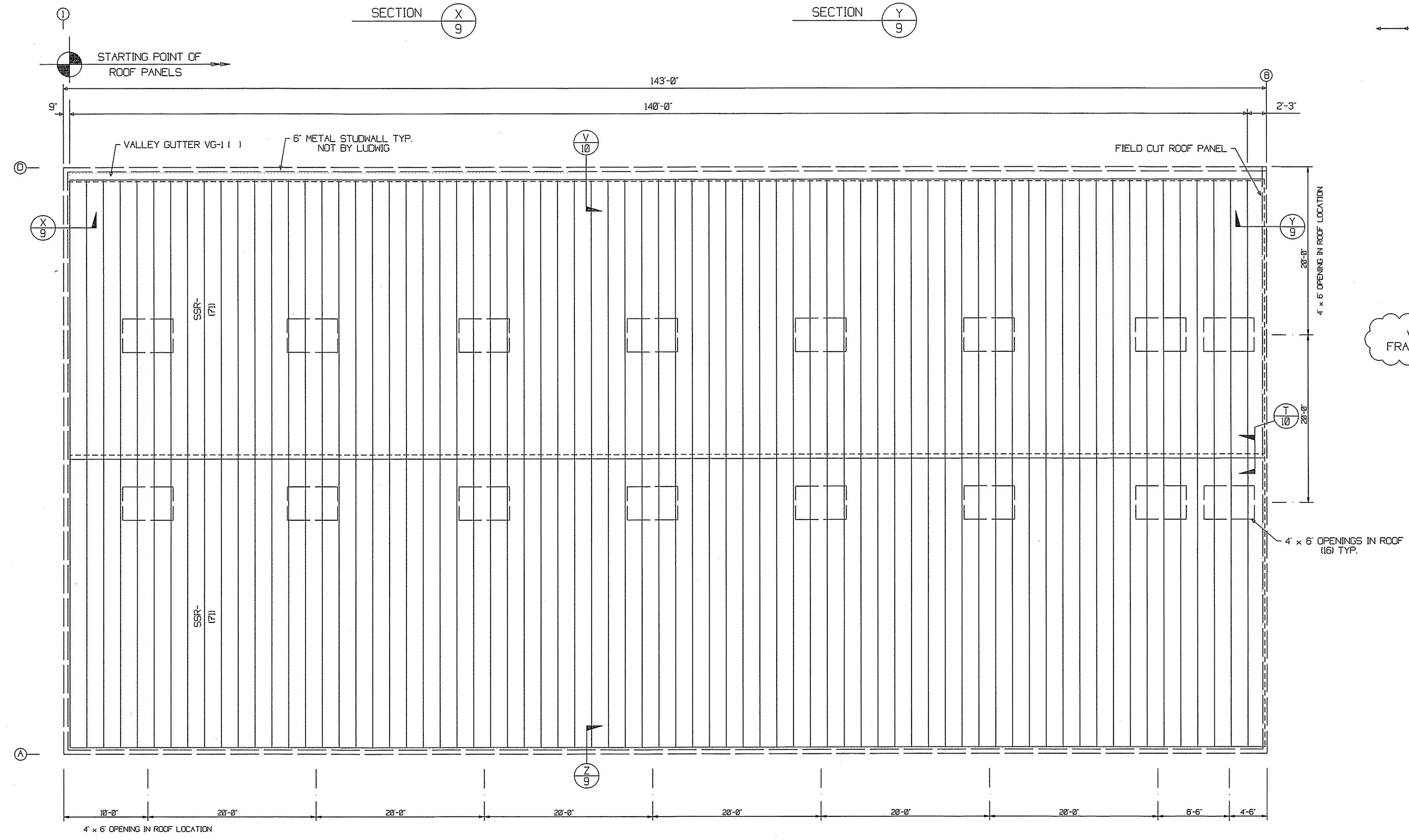
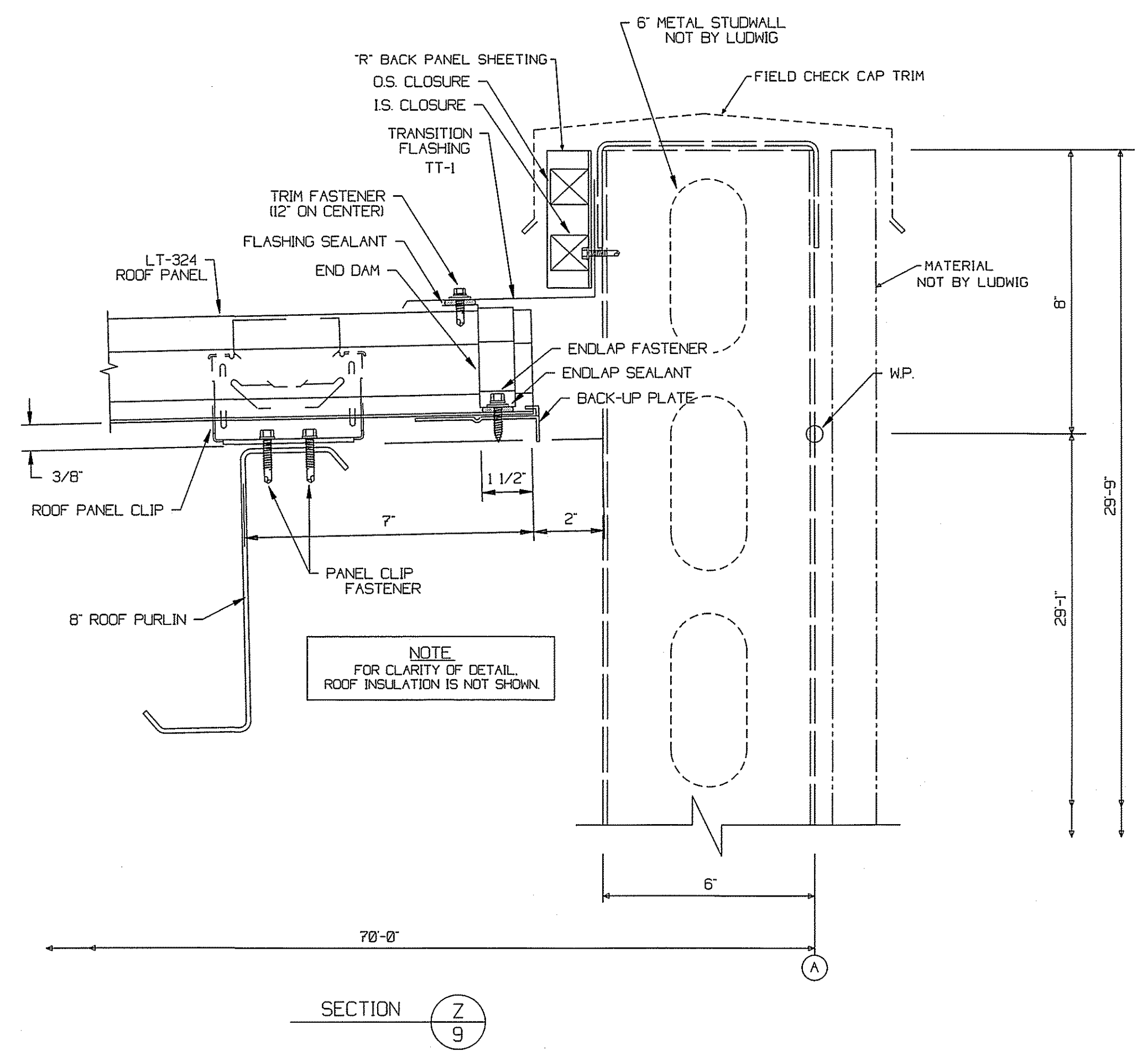
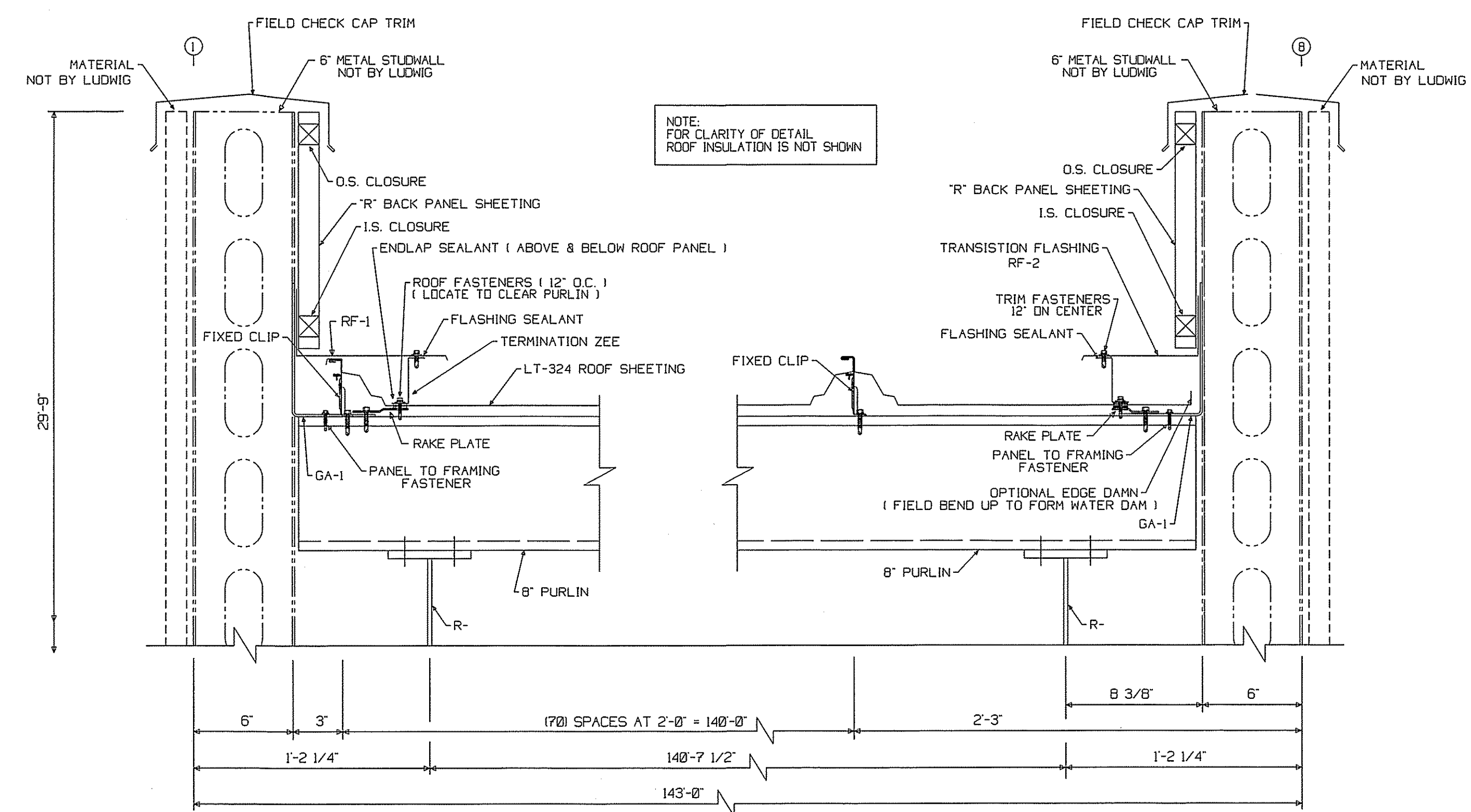
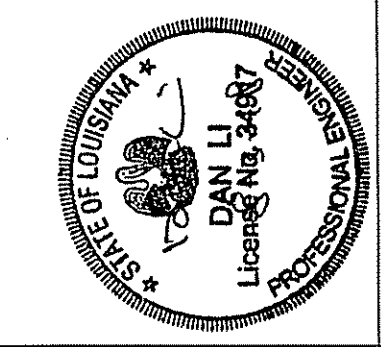
NO.	DATE	DRAWN BY	CHECKED BY
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CUSTOMER: SPARTAN BUILDING CORP  
 JOB LOCATION: COVINGTON, LA.  
 DRAWING: FRAMING AND SHEETING  
 SUPERVISOR: \_\_\_\_\_  
 CHECKED BY: E.J.  
 DATE: 06/10/18

**LUDWIG BUILDINGS**  
 LUDWIG BUILDINGS ENTERPRISES, LLC  
 551 THEGARDNER AVE. (604) 735-6900  
 P.O. BOX 20154 HARAHAN, LA. 70126

JOB NUMBER: 18-0212-RF  
 CUSTOMER NO: \_\_\_\_\_

SCALE: N.T.S.  
 SHEET 8 OF 11



VERIFY EXACT LOCATION & FRAMED OPENING SIZES IN ROOF

PLEASE VERIFY ALL DIMENSIONS

REVISIONS	
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CUSTOMER:	SPARTAN BUILDING CORP
JOB LOCATION:	COVINGTON, LA.
DRAWING:	FRAMING AND SHEETING
DRAWN BY:	E.J.
CHECKED BY:	W.J.M.
DATE:	06/10/18
SUPERVISOR:	

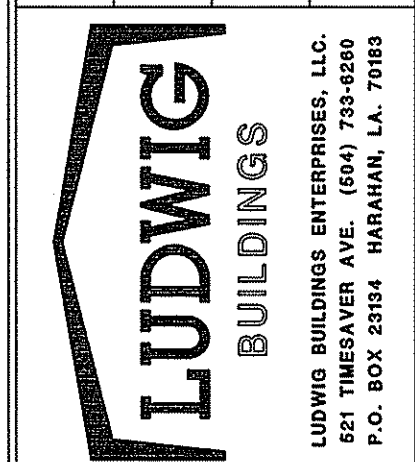
FIRST SUBMITTAL  
**APPROVAL DRAWINGS**  
 SENT FOR APPROVAL

DRAWINGS APPROVED FOR FABRICATION  
 DRAWINGS APPROVED FOR FABRICATION WITH  
 NOTED CHANGES. DO NOT RESUBMIT.  
 CORRECT DRAWINGS AND RESUBMIT FOR APPROVAL

APPROVED BY: \_\_\_\_\_  
 SIGN \_\_\_\_\_ DATE \_\_\_\_\_  
 PRINT NAME \_\_\_\_\_  
 COMPANY NAME \_\_\_\_\_

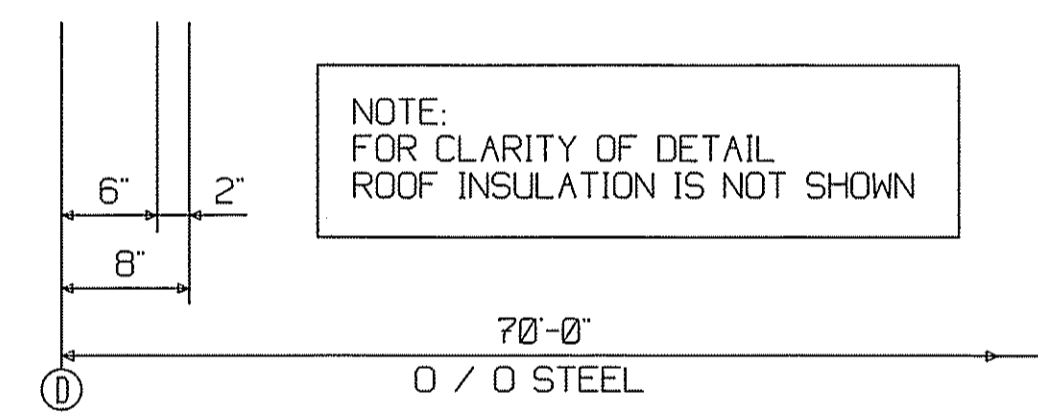
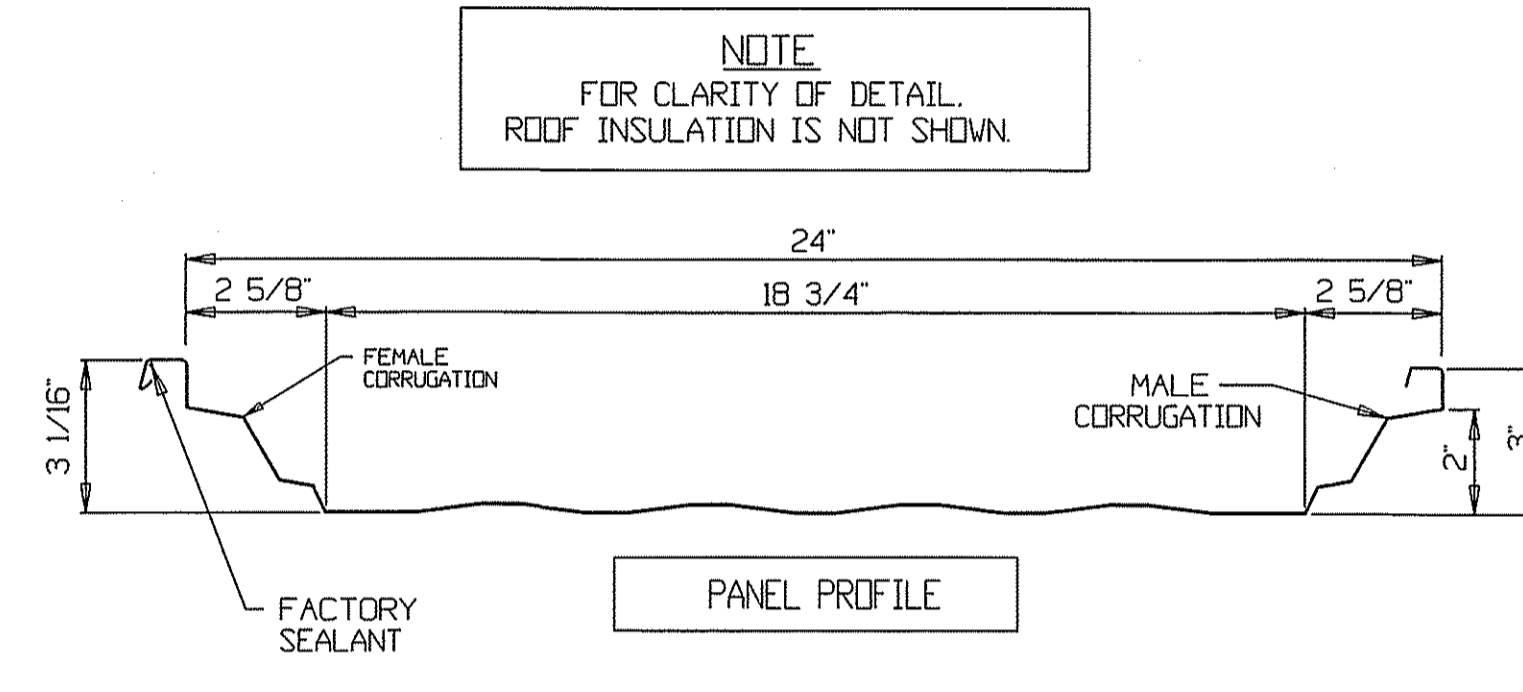
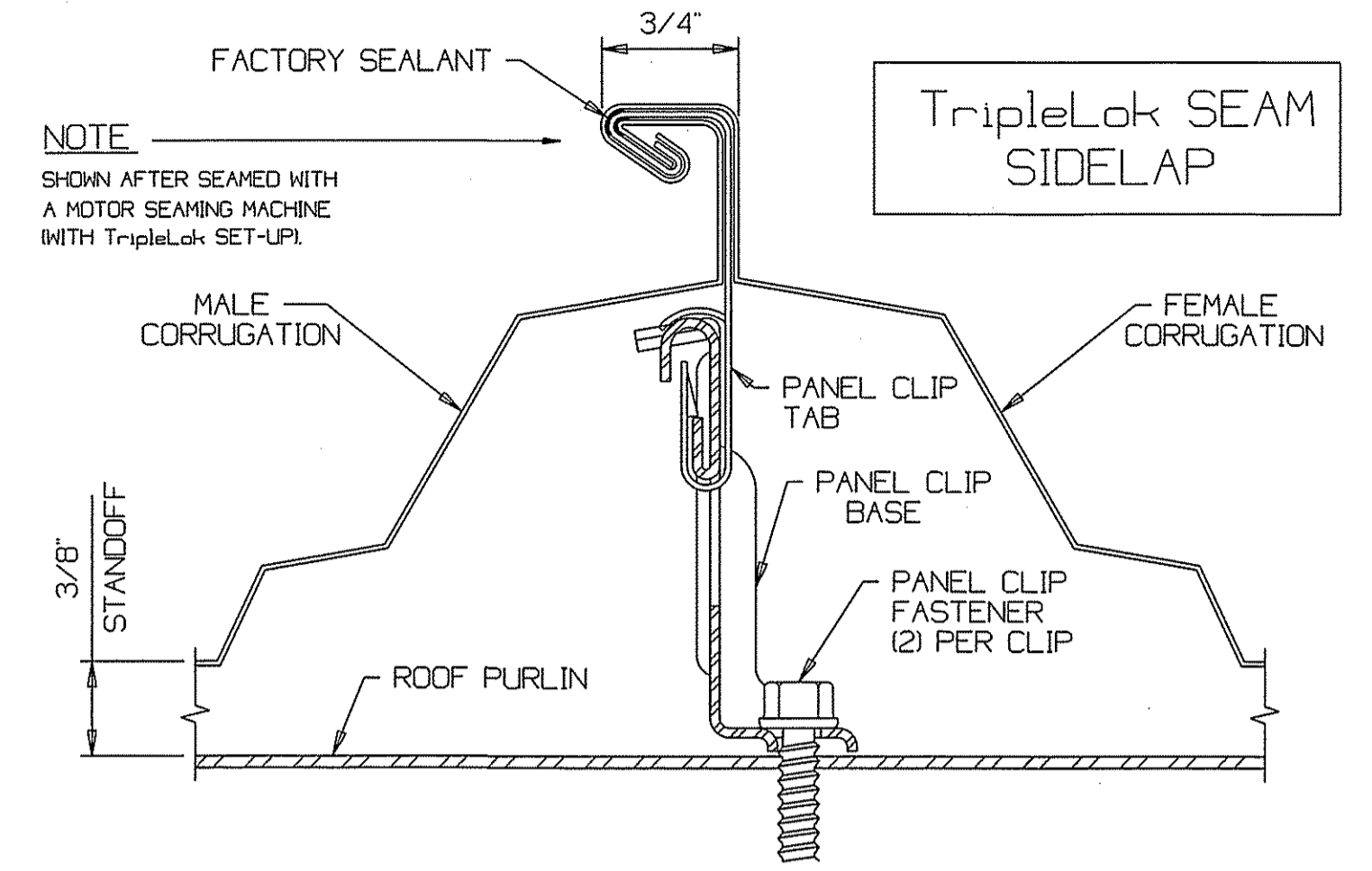
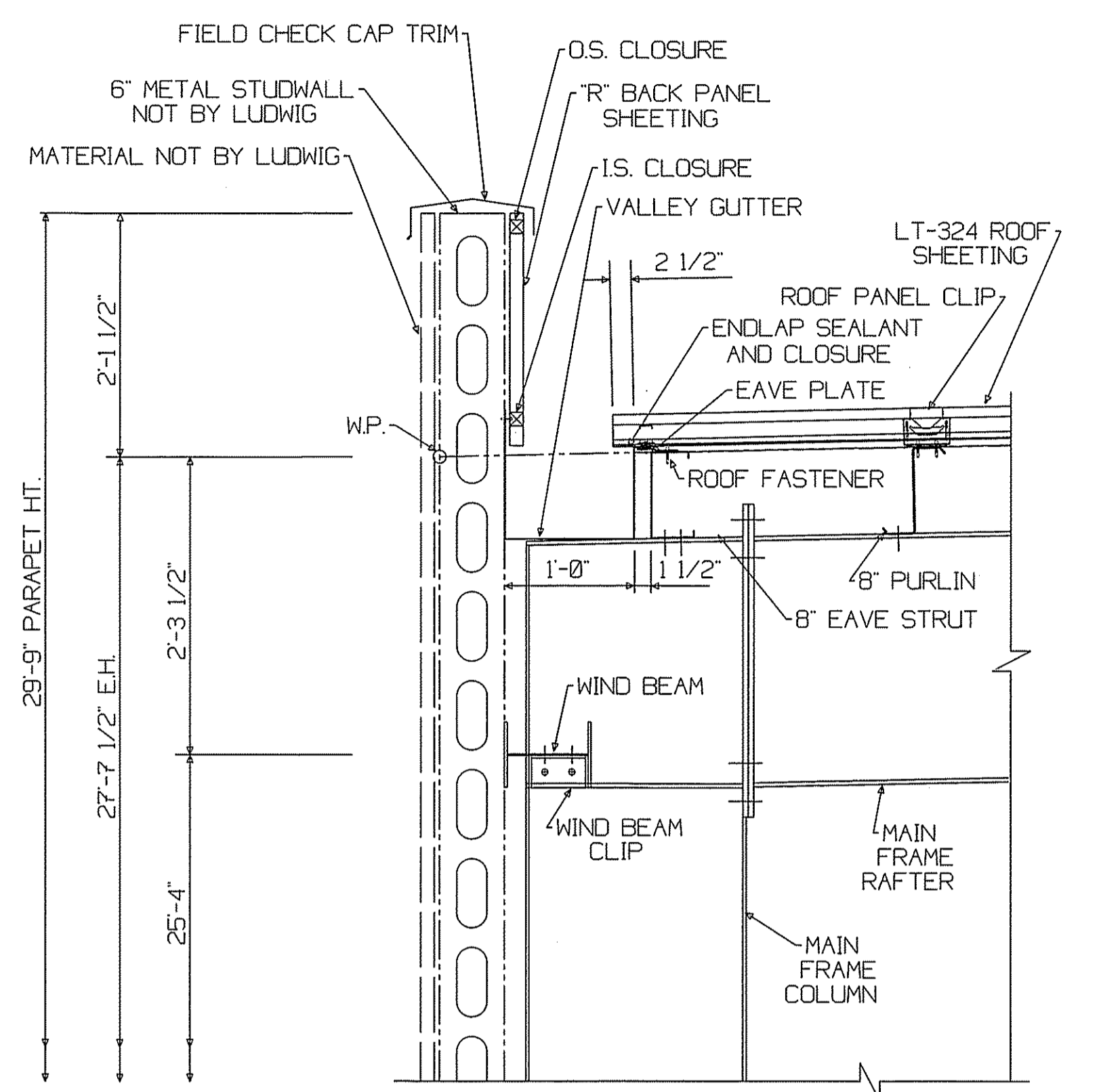
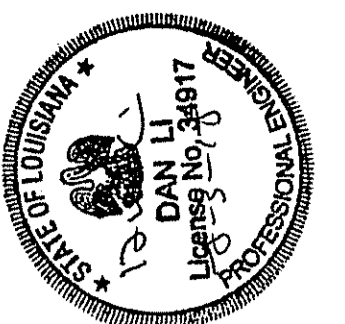
DATE MAILED/SENT BY LUDWIG: \_\_\_\_\_  
 DATE RETURNED TO LUDWIG: \_\_\_\_\_

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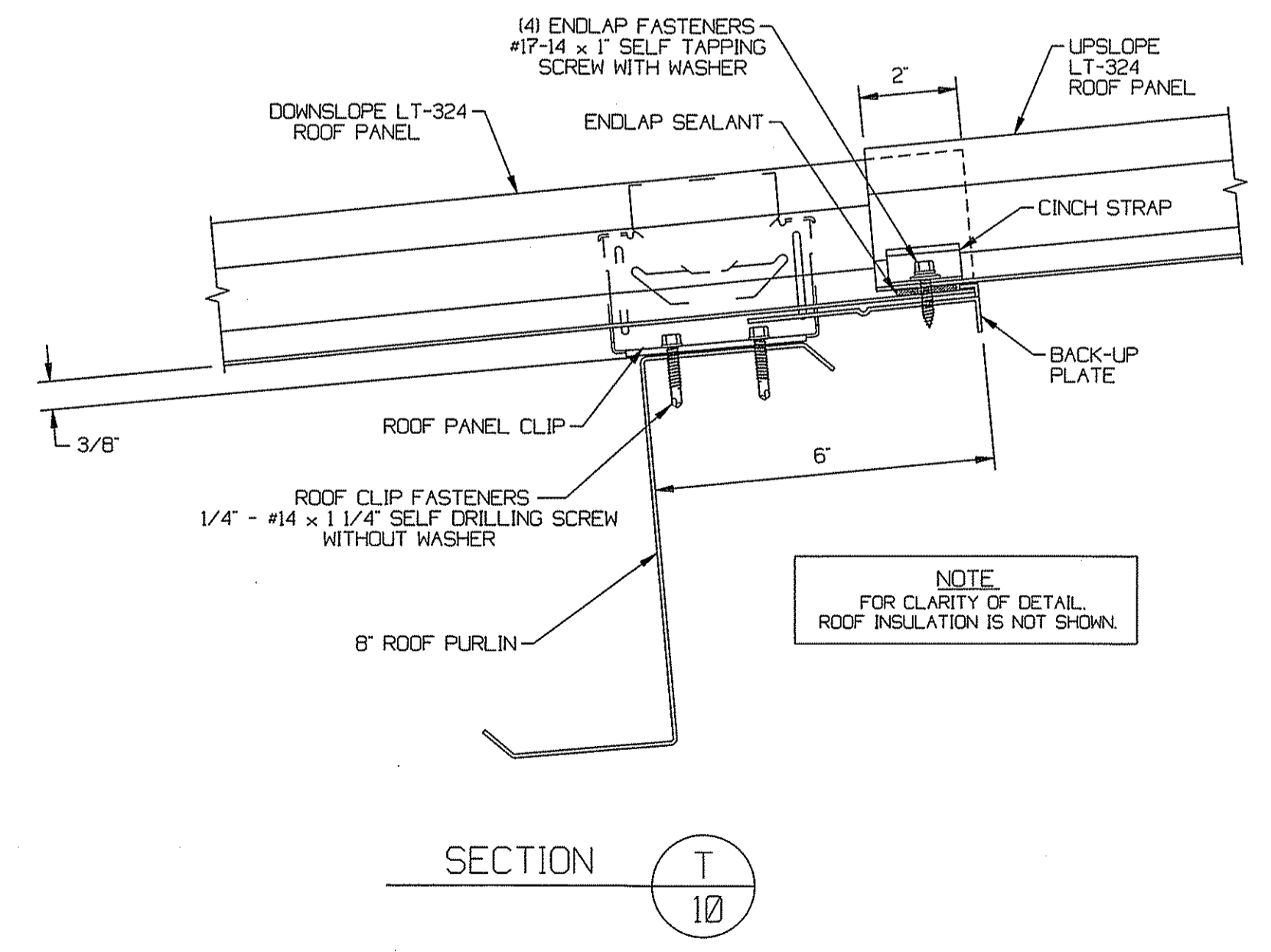


JOB NUMBER: 18-0212-RF  
 CUSTOMER NO. \_\_\_\_\_

SCALE: N.T.S.  
 SHEET 9 OF 11



ROOF PANEL CLIPS MUST BE INSTALLED AT EACH CORNER ZONE REINFORCEMENT PURLIN.



**IMPORTANT ROOF PANEL NOTES:**  
 THE LT-324 STANDING SEAM ROOF REQUIRES TripleLok MACHINE SEAMING TO MEET THE WIND LOAD UPLIFT REQUIREMENTS. ( ON ENTIRE ROOF )  
 REVIEW THE LT-324 ERECTION INSTRUCTIONS AND SEAMING GUIDE MANUALS FOR PROPER INSTALLATION GUIDELINES. BEFORE INSTALLING THE ROOF.  
 DO NOT ATTEMPT TO ERECT AN LT-324 ROOF SYSTEM WITHOUT AN LT-324 ERECTION MANUAL. TO DO SO WILL VOID ANY PANEL WARRANTY. IF YOU DID NOT RECEIVE A LT-324 ERECTION MANUAL WITH YOUR CONSTRUCTION DRAWINGS, CONTACT LUDWIG BUILDINGS INC. IMMEDIATELY FOR ASSISTANCE. 504-733-6260

**IMPORTANT ROOF PANEL NOTES:**  
 THE LT-324 STANDING SEAM ROOF REQUIRES TripleLok MACHINE SEAMING TO MEET THE WIND LOAD UPLIFT REQUIREMENTS.  
 REVIEW THE LT-324 ERECTION INSTRUCTIONS AND SEAMING GUIDE MANUALS FOR PROPER INSTALLATION GUIDELINES. BEFORE INSTALLING THE ROOF.

- LT-324 ERECTION NOTES**
- INSULATION IS NOT SHOWN ON DETAILS FOR CLARITY. REFERENCE THE LT-324 ERECTION MANUAL FOR DETAILS.
  - REFERENCE THE LT-324 ERECTION MANUAL FOR FASTENER DESCRIPTIONS AND ADDITIONAL FASTENER PLACEMENTS AND INSTALLATION SEQUENCE NOT SHOWN ON THESE DRAWING.
  - REFERENCE THE LT-324 ERECTION MANUAL FOR ADDITIONAL INFORMATION, DETAILS, AND ERECTION SEQUENCE.
  - IF THERE IS A CONFLICT BETWEEN THE LT-324 ERECTION MANUAL AND THE ERECTION DRAWINGS, THE ERECTION DRAWINGS WILL TAKE PRECEDENCE.
  - THE MANUFACTURER WILL NOT BE RESPONSIBLE FOR THE PERFORMANCE OF THIS ROOF SYSTEM IF IT IS NOT INSTALLED IN ACCORDANCE WITH THE INSTRUCTIONS SHOWN ON THE ERECTION DRAWINGS AND IN THE LT-324 ERECTION MANUAL.

PLEASE VERIFY ALL DIMENSIONS

**FIRST SUBMITTAL**  
**APPROVAL DRAWINGS SENT FOR APPROVAL**  
 DRAWINGS APPROVED FOR FABRICATION   
 DRAWINGS APPROVED FOR FABRICATION WITH NOTED CHANGES. DO NOT RESUBMIT.   
 CORRECT DRAWINGS AND RESUBMIT FOR APPROVAL   
**APPROVED BY:**  
 SIGN \_\_\_\_\_ DATE \_\_\_\_\_  
 PRINT NAME \_\_\_\_\_  
 COMPANY NAME \_\_\_\_\_

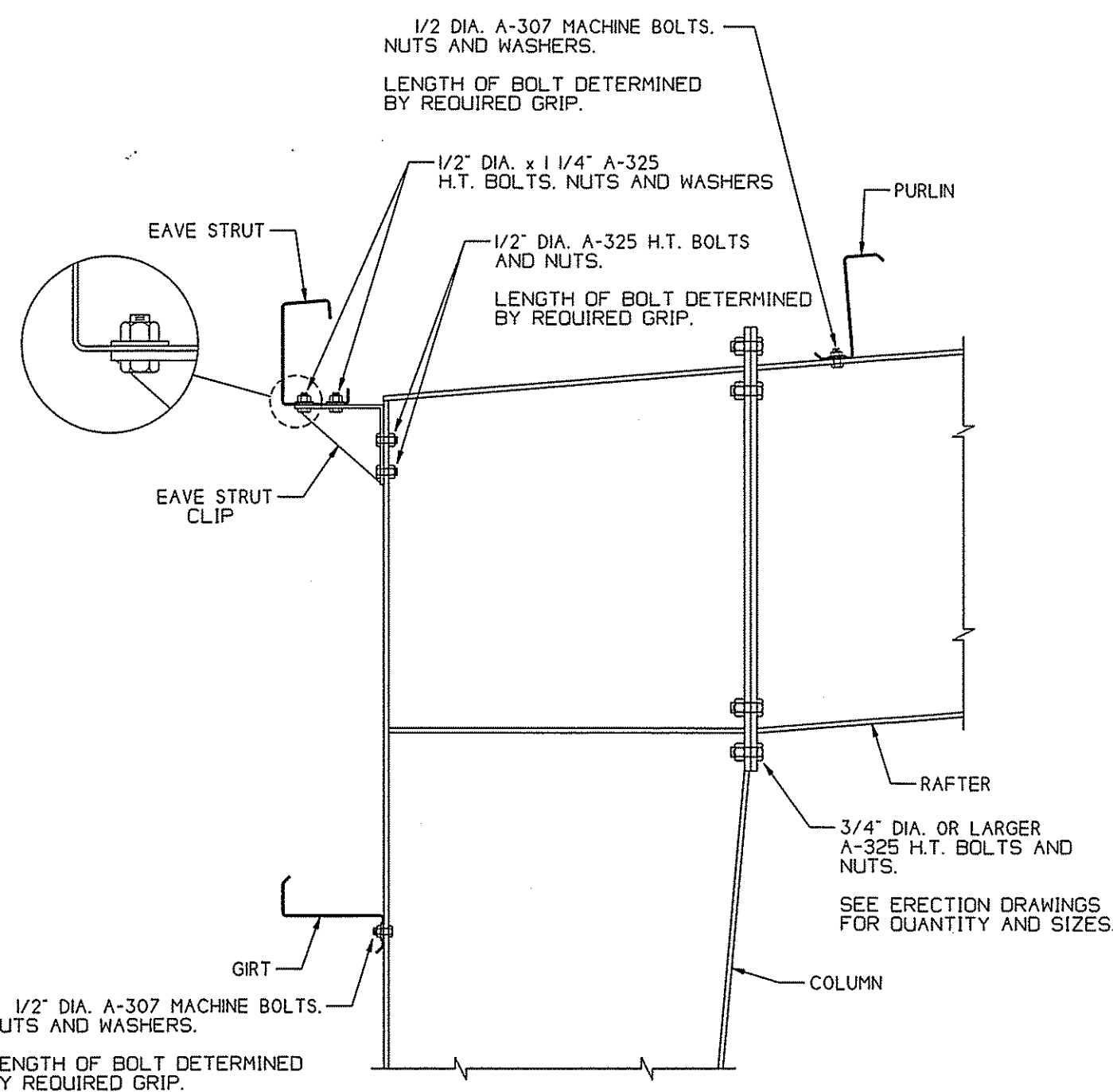
DATE MAILED/SENT BY LUDWIG : \_\_\_\_\_  
 DATE RETURNED TO LUDWIG : \_\_\_\_\_  
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REVISIONS	
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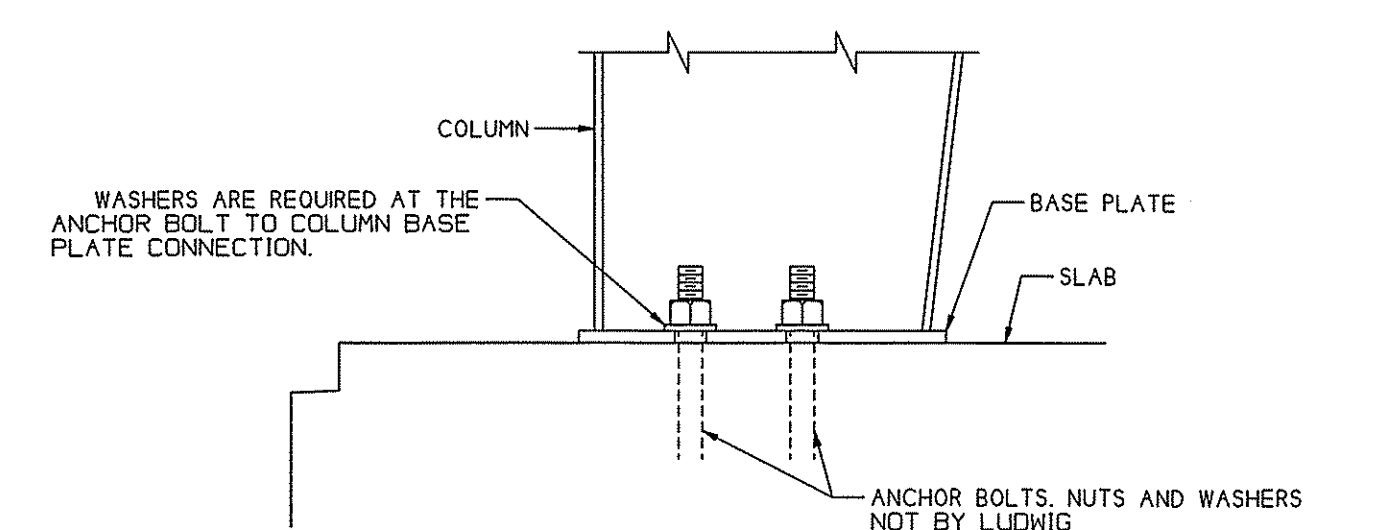
CUSTOMER: SPARTAN BUILDING CORP  
 JOB LOCATION: COVINGTON, LA.  
 DRAWING: FRAMING AND SHEETING  
 DRAWN BY: E.J.  
 CHECKED BY: W.J.M.  
 SUPERVISOR:

**LUDWIG BUILDINGS**  
 LUDWIG BUILDINGS ENTERPRISES, LLC  
 551 TIMEWAY AVE. (504) 733-6260  
 P.O. BOX 2354 NARAHAM, LA. 70183

JOB NUMBER: 18-0212-RF  
 CUSTOMER NO.:  
 SCALE: N.T.S.  
 SHEET 10 OF 11

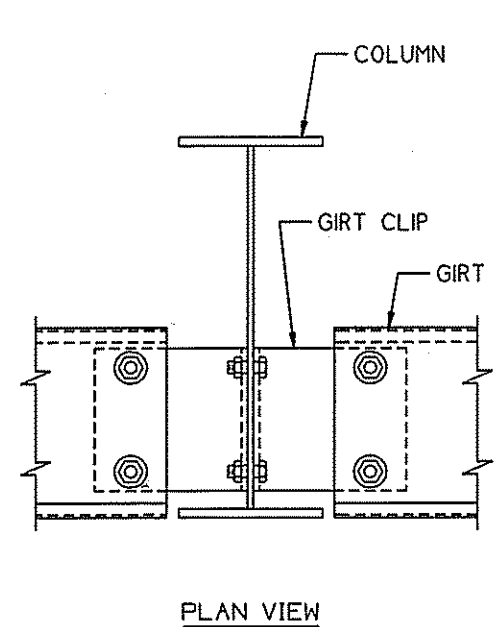


**TYPICAL COLUMN TO RAFTER CONNECTION**

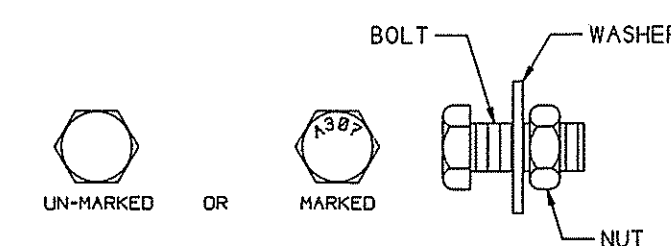


**TYPICAL COLUMN TO FOUNDATION CONNECTION**

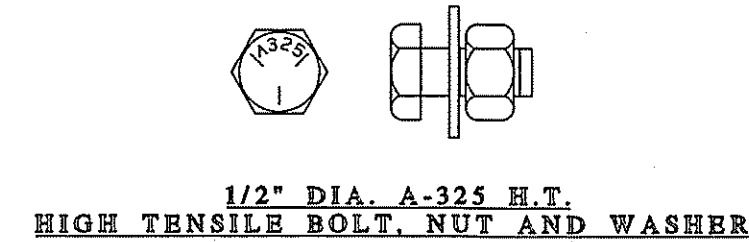
1. THE BASE PLATE OF ALL COLUMNS SHALL BE FLUSH AND IN CONTACT WITH THE TOP OF SLAB ON WHICH IT IS ERECTED.
2. PURCHASER AND OR FOUNDATION ENGINEER SHALL DETERMINE IF GROUT IS REQUIRED TO MAINTAIN FLUSH CONDITION BETWEEN BOTTOM OF BASE PLATE AND SLAB.



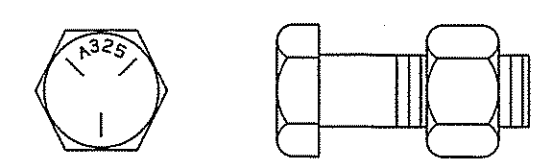
**TYPICAL FLUSH GIRT CONNECTION DETAIL AT BUILT-UP COLUMN**



**1/2" DIA. A-307 MACHINE BOLT, NUT AND WASHER**



**1/2" DIA. A-325 H.T. HIGH TENSILE BOLT, NUT AND WASHER**

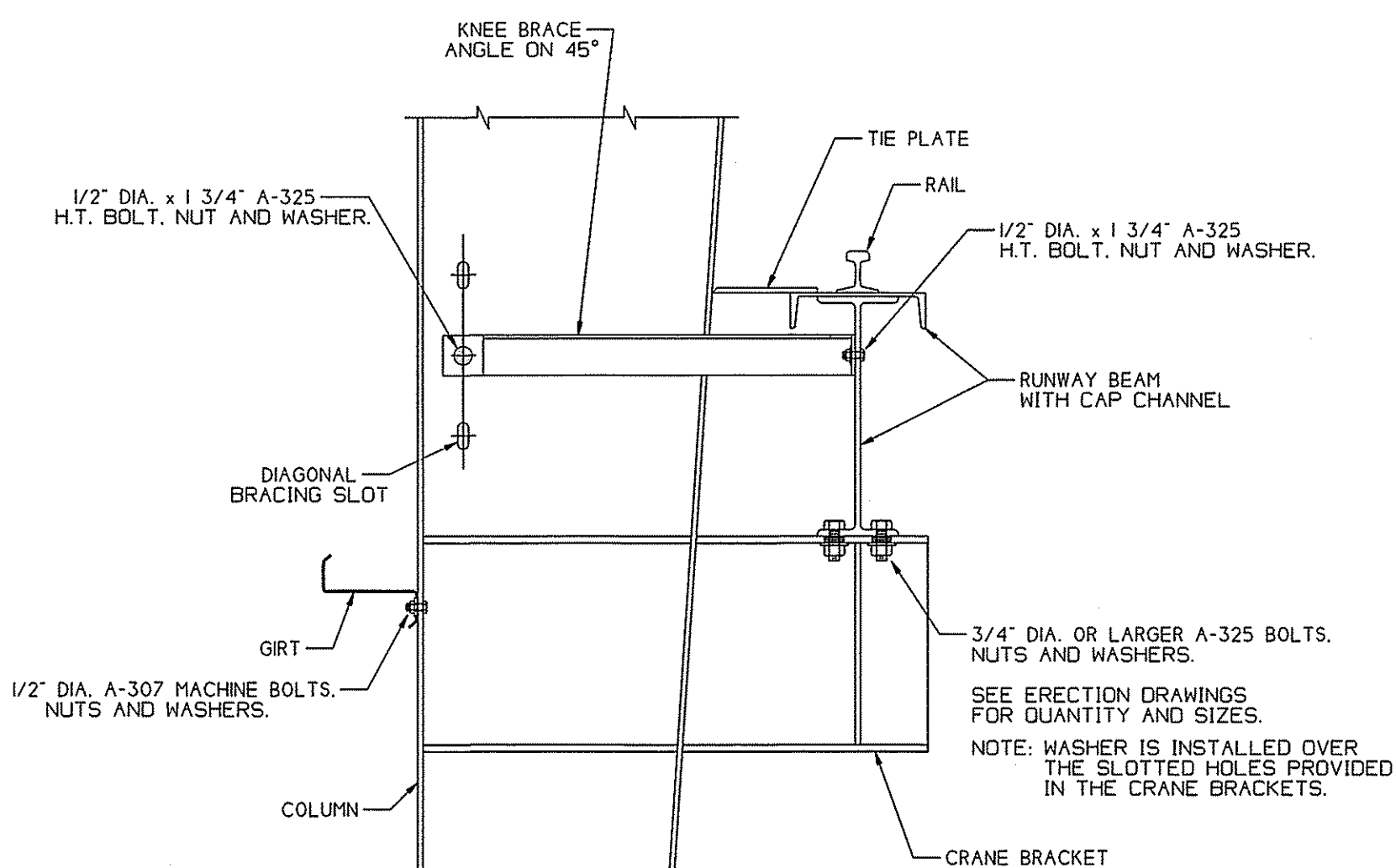


**3/4" DIA. OR LARGER A-325 H.T. HIGH TENSILE BOLT AND NUT**

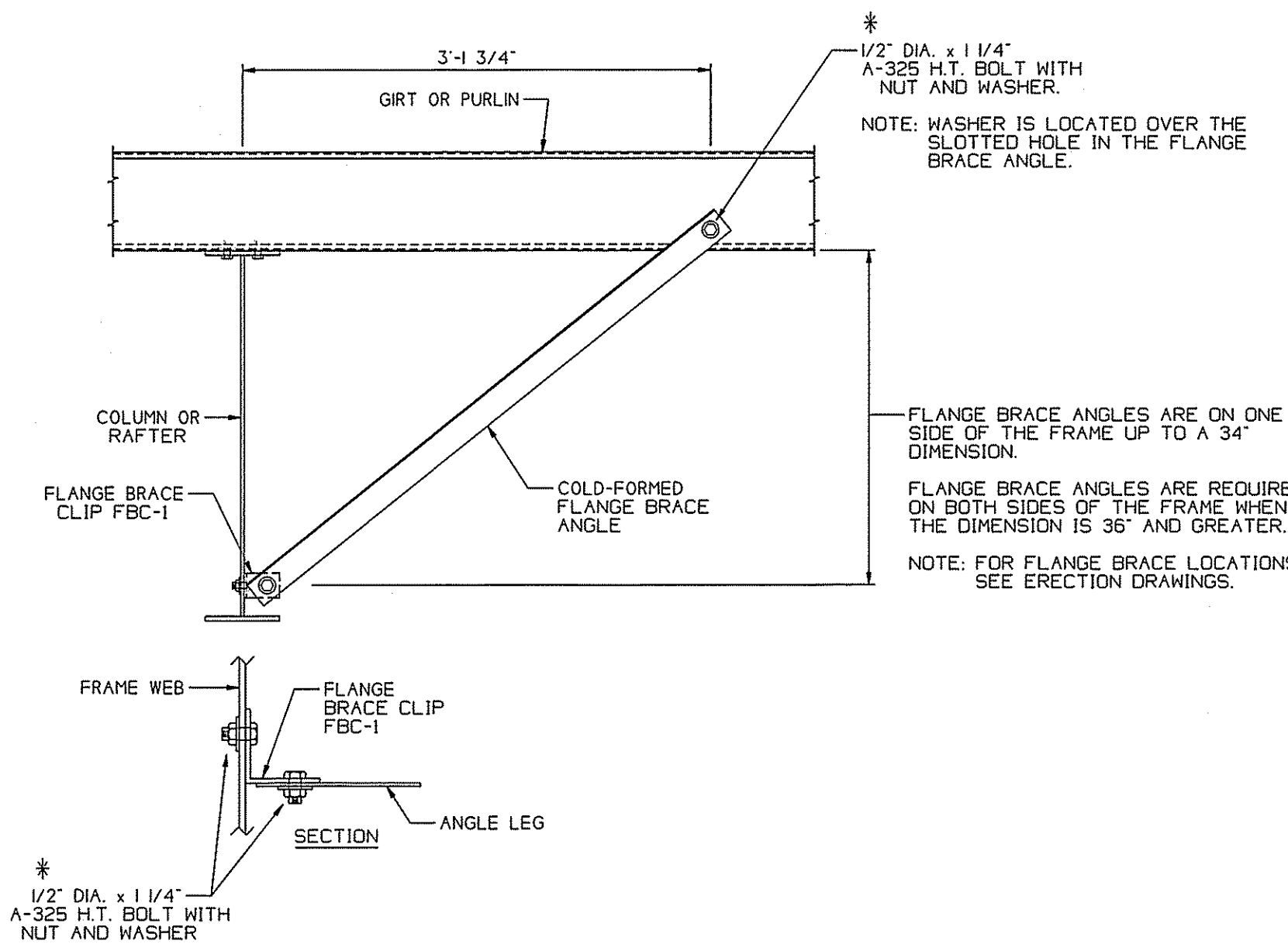
**TYPICAL BOLT IDENTIFICATION**

BOLT GRIP LEGEND		
BOLT DIA.	BOLT LENGTH	GRIP RANGE MIN. - MAX.
1/2"	1 1/4"	1/4" - 11/16"
1/2"	1 1/2"	1/2" - 15/16"
1/2"	1 3/4"	3/4" - 1 3/16"
1/2"	2"	1" - 1 3/16"
3/4"	2"	9/16" - 1 1/8"
3/4"	2 1/4"	13/16" - 1 3/8"
3/4"	2 3/4"	1 1/16" - 1 5/8"
3/4"	3"	1 5/16" - 1 7/8"
1"	2 1/2"	3/4" - 1 3/8"
1"	3"	1 1/4" - 1 7/8"
1"	3 1/2"	1 3/4" - 2 3/8"

**BOLT GRIP INFORMATION**



**TYPICAL RUNWAY BEAM TO CRANE BRACKET CONNECTION DETAIL**



**TYPICAL FLANGE BRACE ANGLE CONNECTION DETAIL**

**1/2" DIA. A-307 MACHINE BOLT USAGE**

- 1/2" DIAMETER A-307 MACHINE BOLTS ARE ONLY USED AT THE FOLLOWING CONNECTIONS:**
1. COLD-FORMED PURLIN AND GIRT LAPS.
  2. COLD-FORMED PURLIN AND GIRT CONNECTIONS TO RAFTERS AND COLUMNS.
  3. COLD-FORMED GIRT CONNECTIONS TO FLUSH GIRT CLIPS.
  4. FLUSH GIRT CLIPS TO COLUMNS.
  5. COLD-FORMED GIRT CONNECTIONS TO DOOR JAMBS.
  6. CORNER GIRT CLIP TO GIRTS.

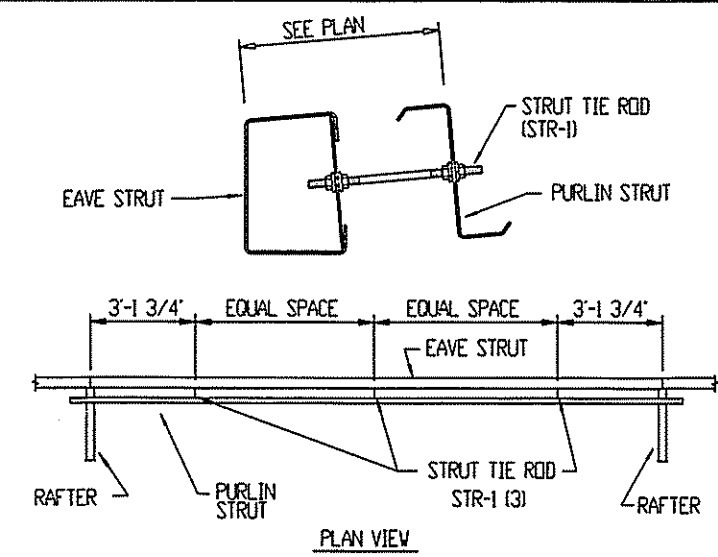
**NOTE: ALL OTHER 1/2" DIAMETER BOLT CONNECTIONS REQUIRE A-325 HIGH TENSILE BOLTS, NUTS AND WASHERS.**

**WASHER NOTES:**

- WASHERS ARE USED AT THE FOLLOWING CONNECTIONS:
1. COLD-FORMED PURLIN AND GIRT LAPS. WASHER ON NUT SIDE OF THE CONNECTION.
  2. COLD-FORMED PURLIN AND GIRT TO BUILT-UP RAFTER OR COLUMN CONNECTIONS. WASHER ON COLD-FORMED SIDE OF THE CONNECTION.
  3. COLD-FORMED PART TO COLD-FORMED PART. WASHER ON NUT SIDE OF THE CONNECTION.
  4. COLD-FORMED PARTS TO STRUCTURAL CLIPS. WASHER ON COLD-FORMED SIDE OF THE CONNECTION.
  5. COLUMN BASE PLATE CONNECTION TO FOUNDATION. WASHER IS NOT FURNISHED BY LUDWIG.

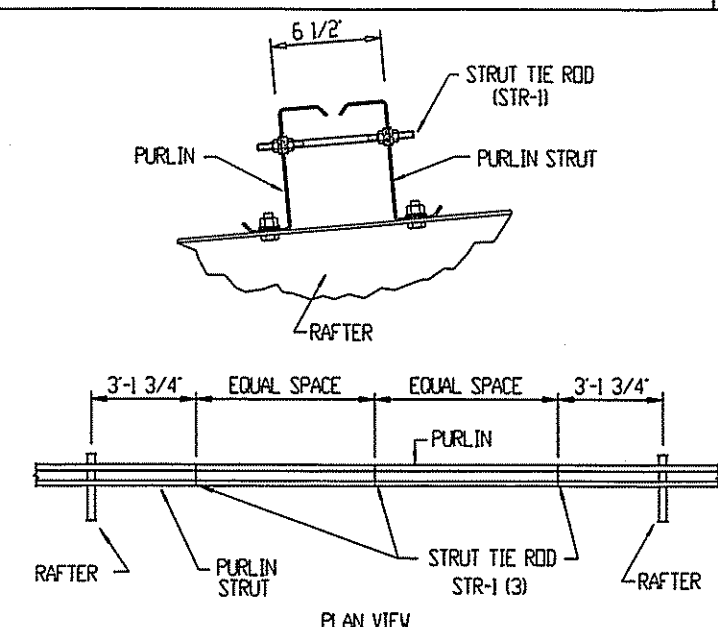
**IMPORTANT NOTES:**

1. ALL BUILDING PARTS THAT HAVE SLOTTED HOLES REQUIRE A WASHER OVER THE SLOTTED HOLE AT A BOLTED CONNECTION.
2. WHEN A 1/2" DIA. BOLT IS SHOWN ON THE ERECTION DRAWINGS WITHOUT A BOLT TYPE INDICATED, ALWAYS USE A A-325 H.T. BOLT.



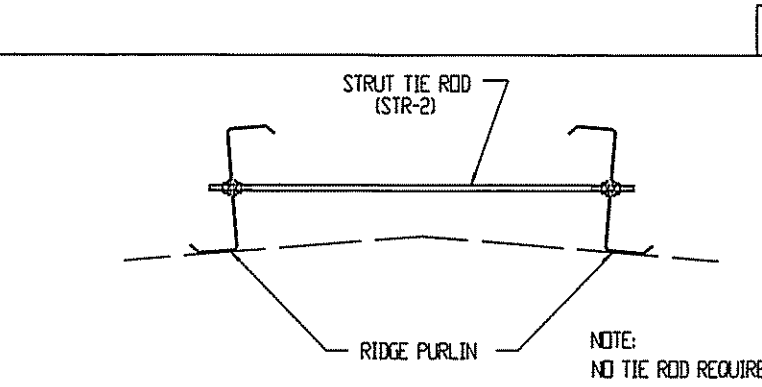
**NOTE: DO NOT ATTACH STANDING SEAM ROOF PANEL CLIP TO PURLIN STRUT.**

**PURLIN STRUT AT EAVE**



**NOTE: DO NOT ATTACH STANDING SEAM ROOF PANEL CLIP TO PURLIN STRUT PURLIN STRUT BETWEEN PEAK AND EAVE.**

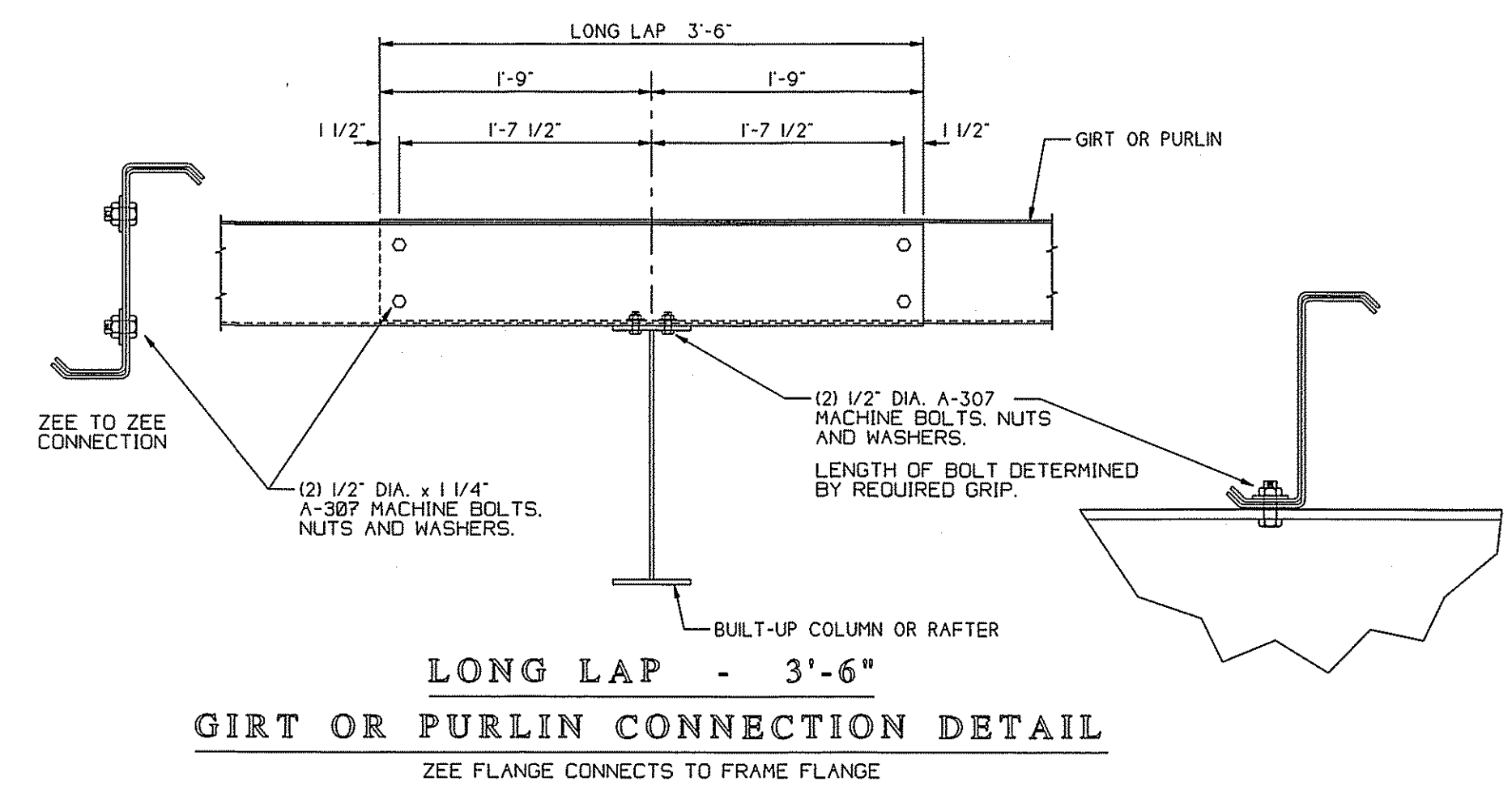
**TYPICAL PURLIN STRUT DETAILS**



**NOTE: SEE FRAMING PLAN AT ROOF PEAK FOR LOCATION OF THE STR-2 RODS**

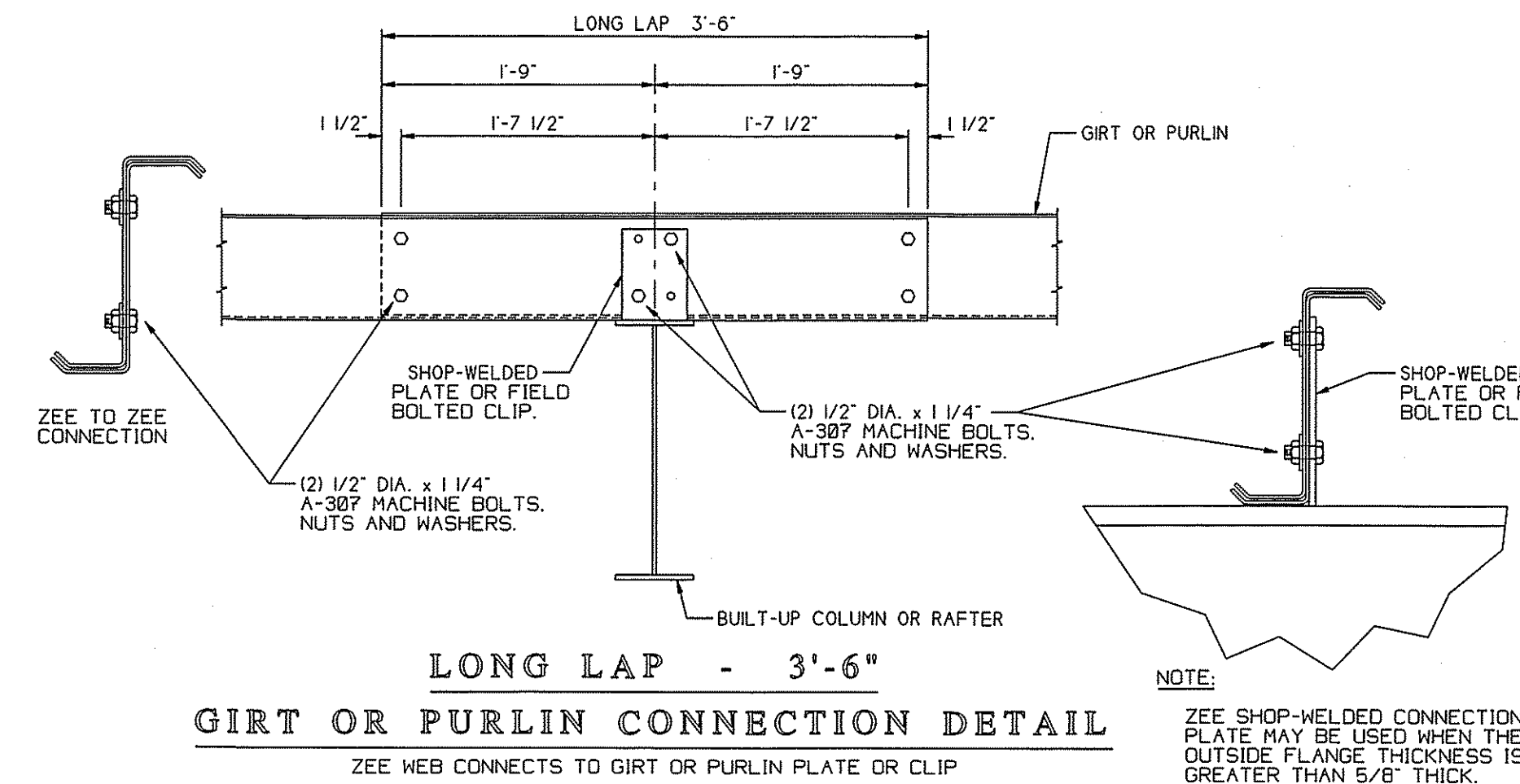
**STRUT TIE ROD AT PEAK**

**ERECTOR NOTE: SEE LUDWIG STANDARD DETAIL BOOK FOR STANDARD TRIM PROFILES.**



**GIRT OR PURLIN CONNECTION DETAIL**

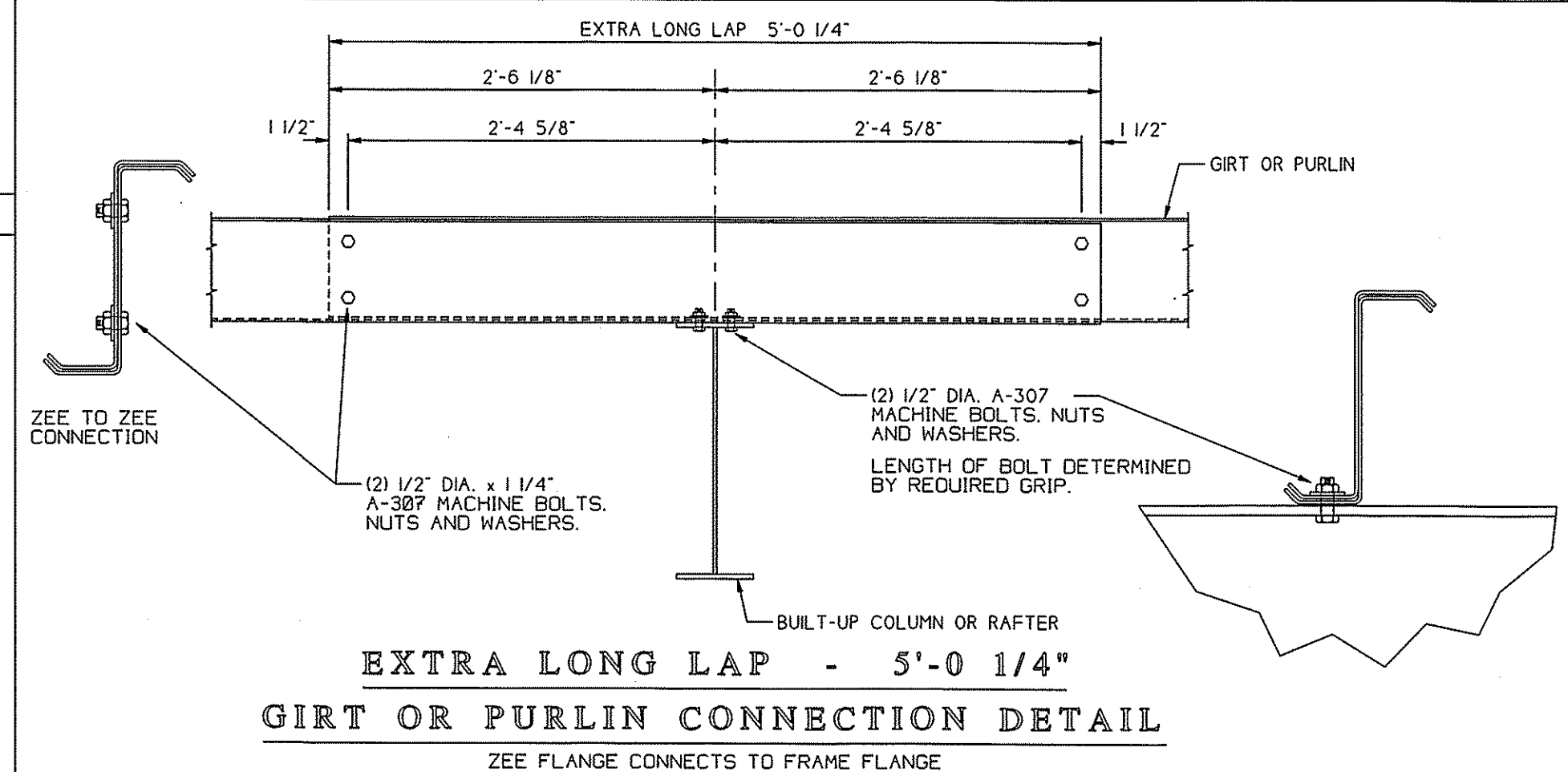
ZEE FLANGE CONNECTS TO FRAME FLANGE



**GIRT OR PURLIN CONNECTION DETAIL**

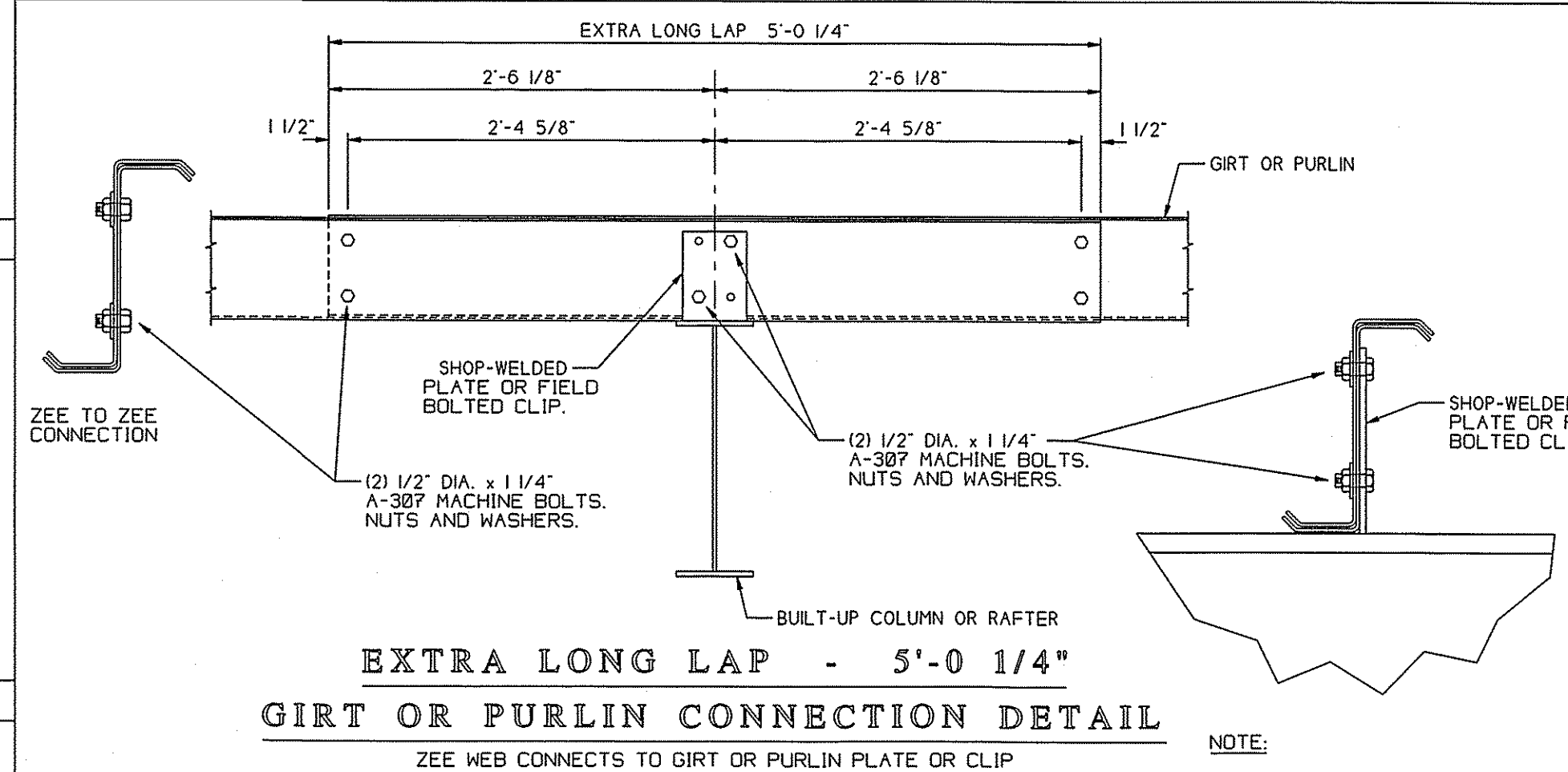
ZEE WEB CONNECTS TO GIRT OR PURLIN PLATE OR CLIP

**NOTE: ZEE SHOP-WELDED CONNECTION PLATE MAY BE USED WHEN THE OUTSIDE FLANGE THICKNESS IS GREATER THAN 5/8" THICK.**



**GIRT OR PURLIN CONNECTION DETAIL**

ZEE FLANGE CONNECTS TO FRAME FLANGE



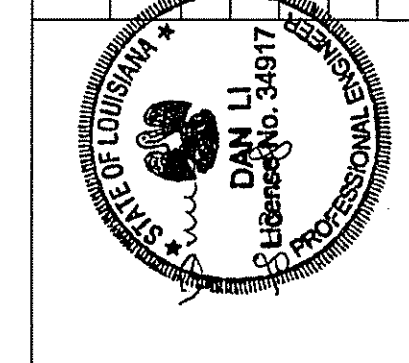
**GIRT OR PURLIN CONNECTION DETAIL**

ZEE WEB CONNECTS TO GIRT OR PURLIN PLATE OR CLIP

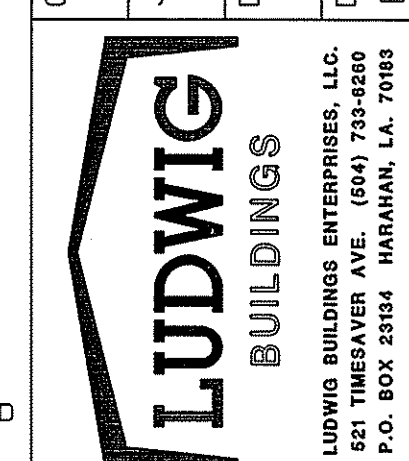
**NOTE: ZEE SHOP-WELDED CONNECTION PLATE MAY BE USED WHEN THE OUTSIDE FLANGE THICKNESS IS GREATER THAN 5/8" THICK.**

**NOTES:**

NO.	REVISIONS	
	DATE	CHECKED BY



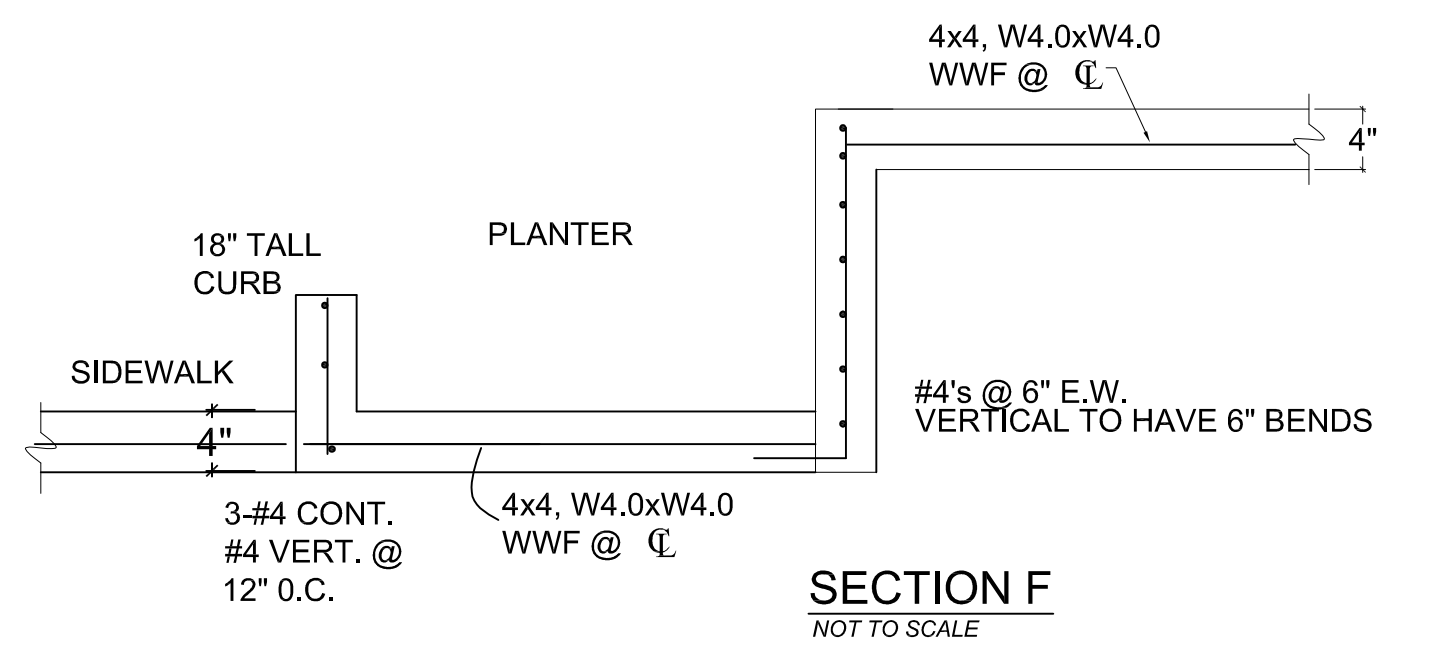
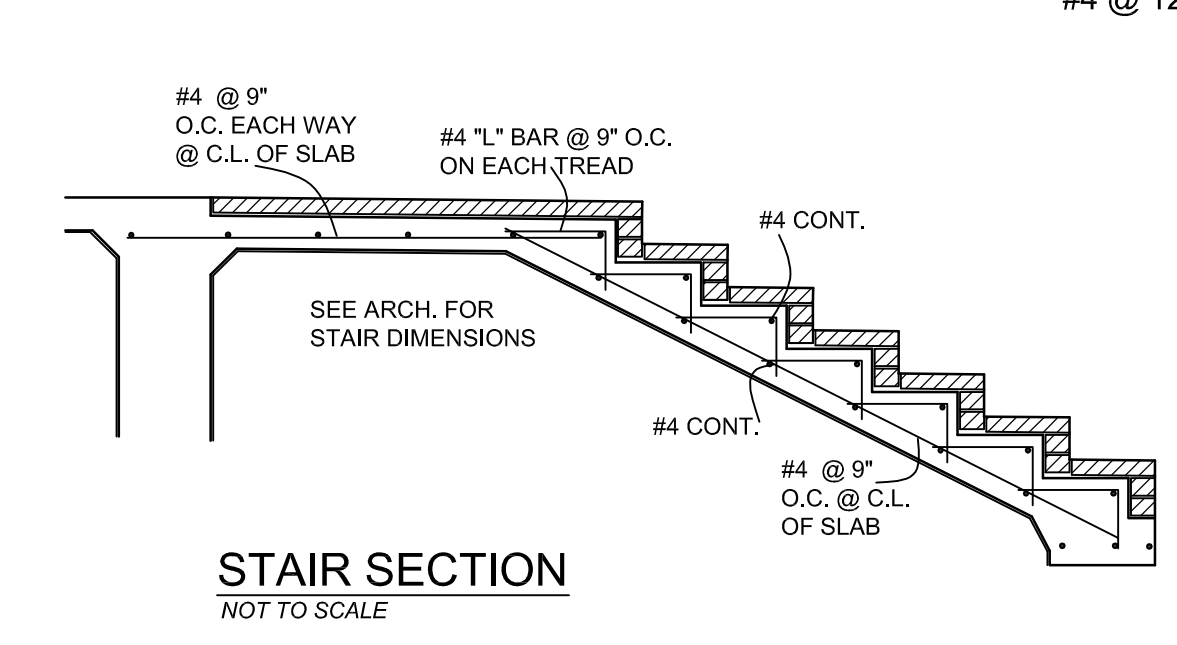
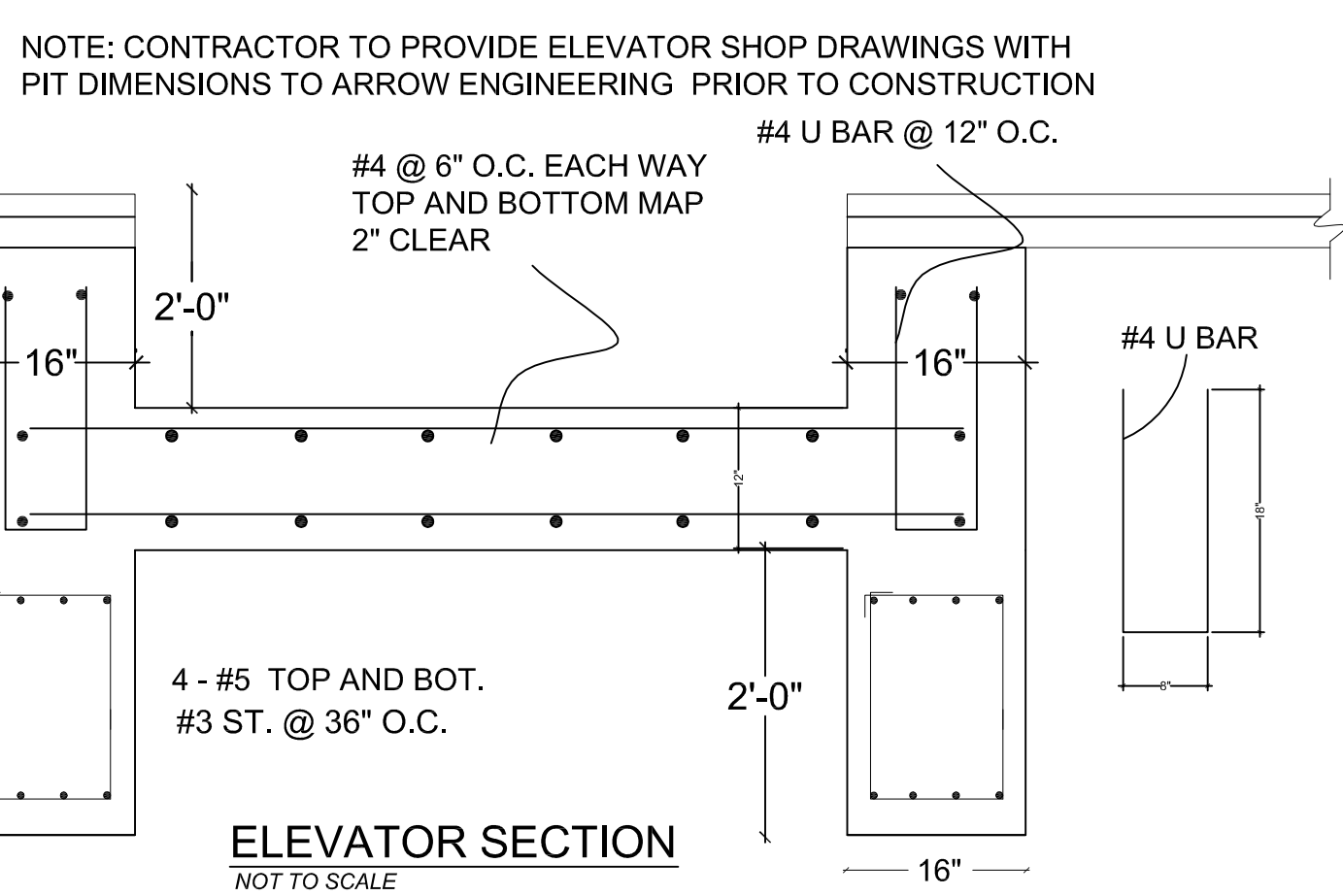
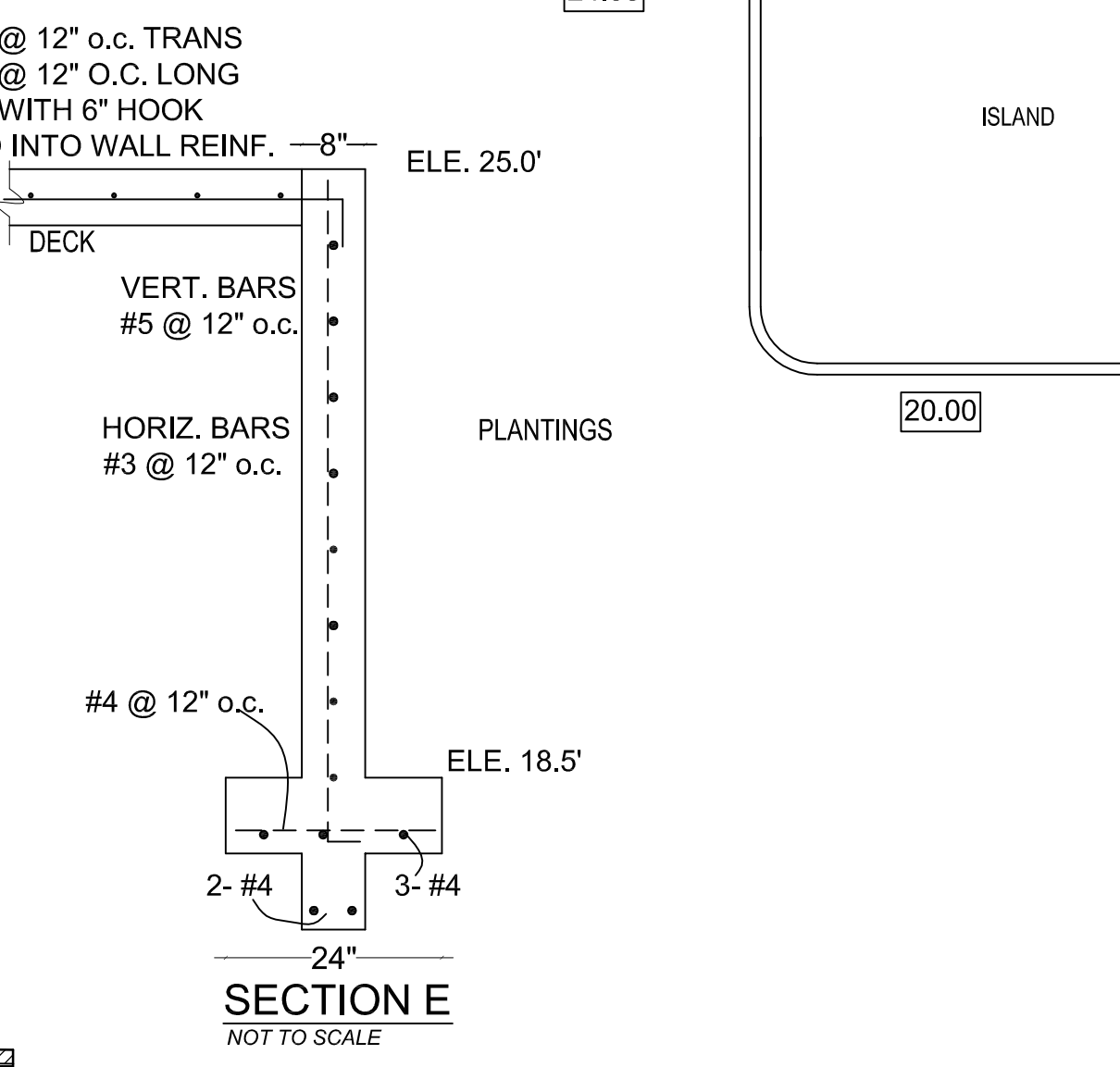
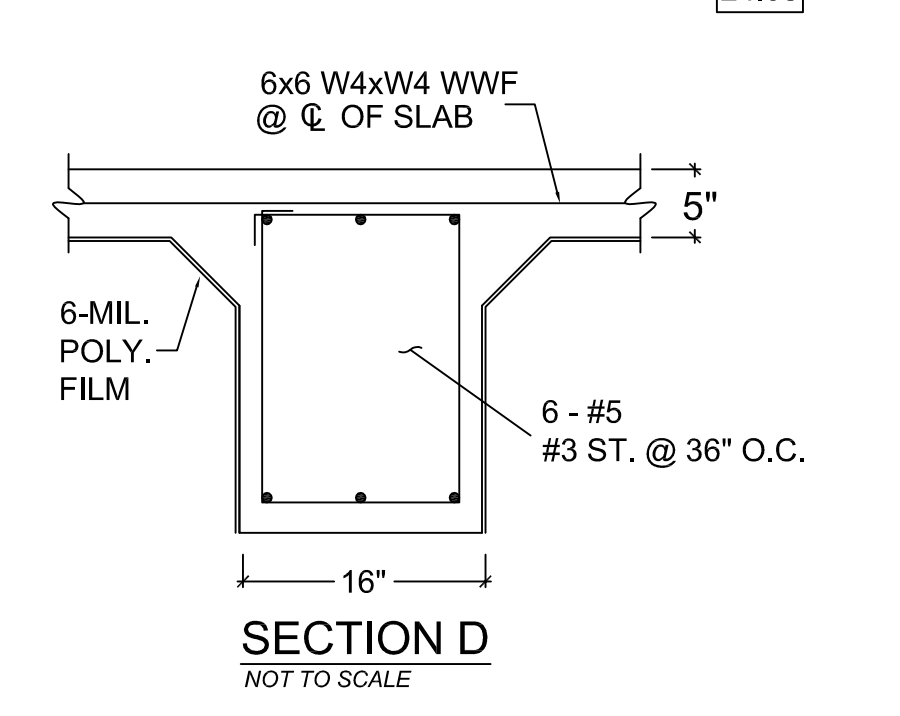
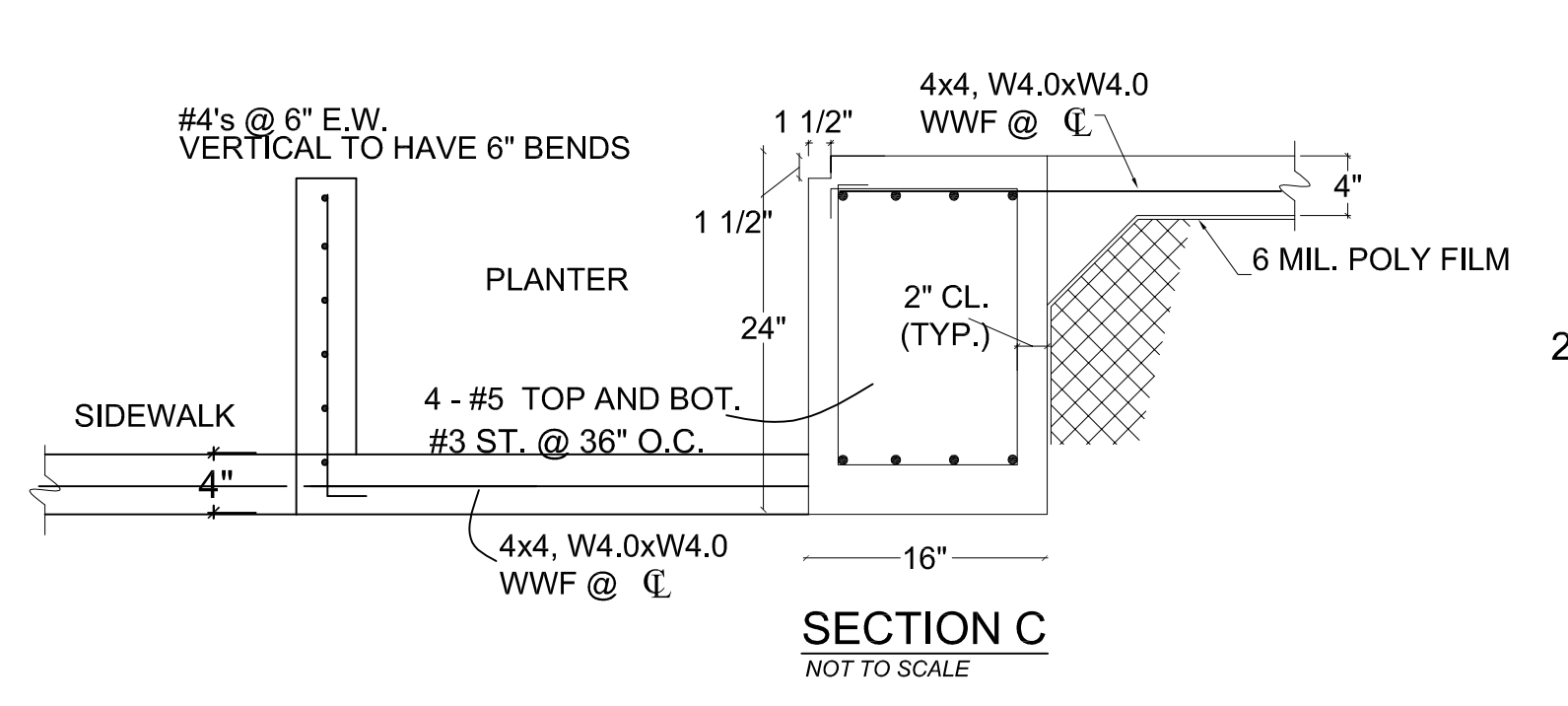
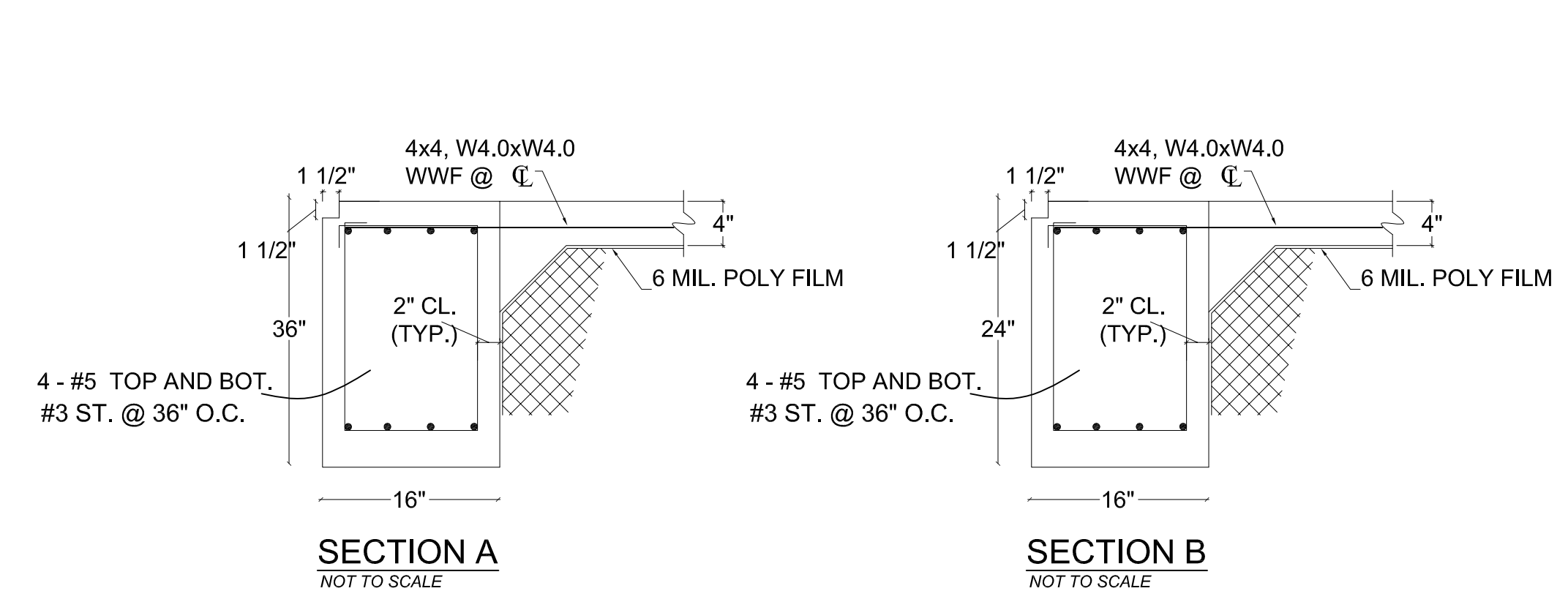
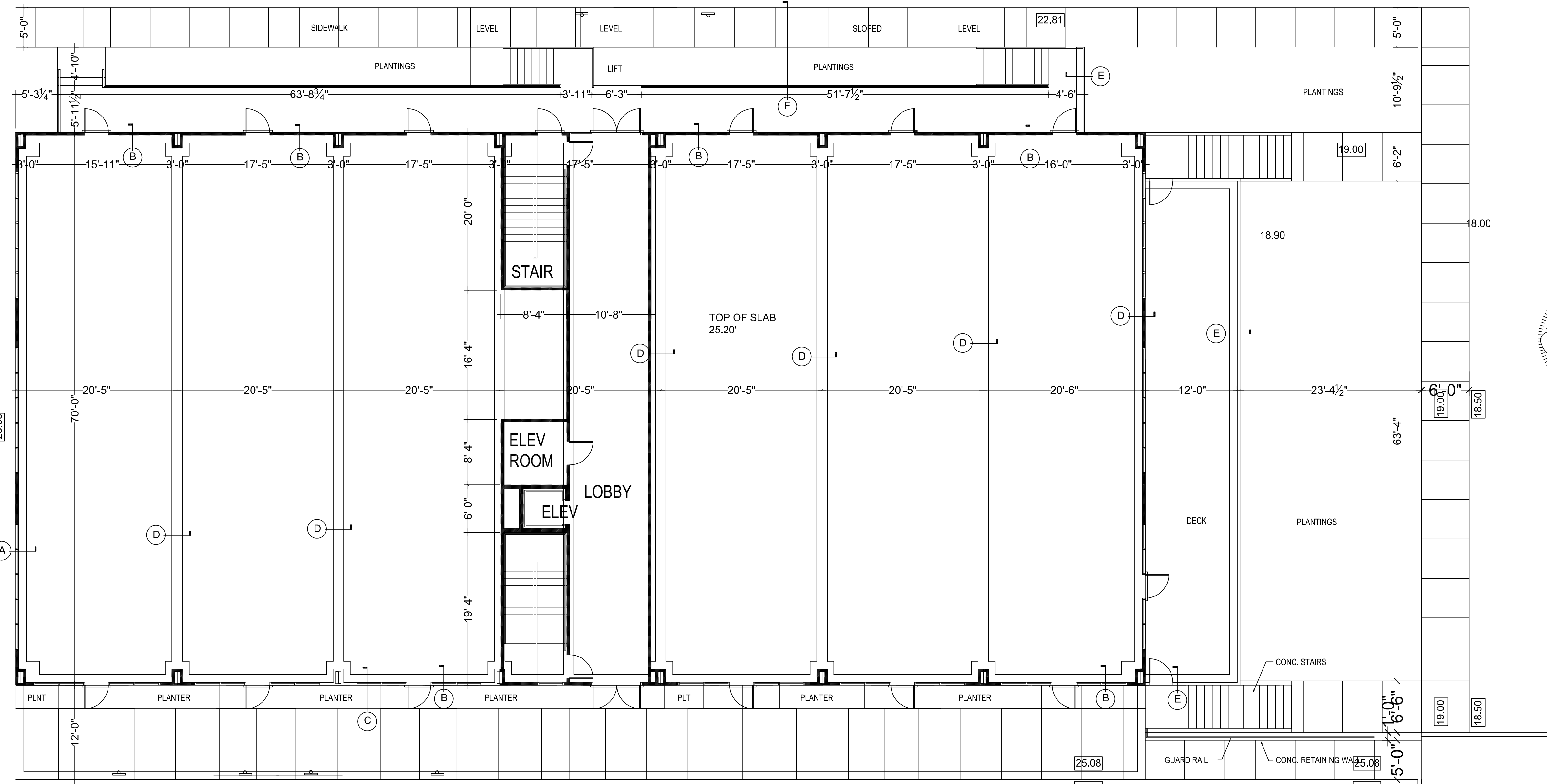
CUSTOMER: SPARTAN BUILDING CORP.  
 JOB LOCATION: COVINGTON, LA.  
 DRAWING: TYPICAL BOLTED CONNECTION DETAILS  
 SUPERVISOR: E.J.  
 CHECKED BY: STD. DMG.  
 DATE: 06-10-18



JOB NUMBER: 18-0212-RF  
 CUSTOMER NO:  
 SCALE: N.T.S.  
 SHEET 11 OF 11

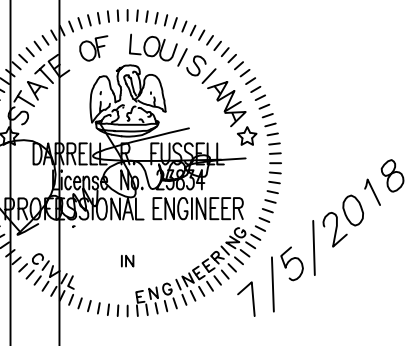
**CONCRETE NOTES:**

1. CONCRETE DESIGN IS BASED UPON CONCRETE MIX HAVING A MINIMUM 5.0 SACKS OF CEMENT PER CUBIC YARD AND A MAXIMUM OF 30 GALLONS OF FREE AND ADDED WATER PER CUBIC YARD. POUR TO  $\pm 1"$  SLUMP. SUCH A MIX SHOULD GIVE A MAXIMUM COMPRESSION STRENGTH OF 4000 P.S.I. AT 28 DAYS. CONCRETE DESIGN MIX SHALL BE IN ACCORDANCE WITH A.C.I. BUILDING CODE REQUIREMENTS (A.C.I. 318R-04)
2. FOUNDATION DESIGN BASED ON AN ALLOWABLE BEARING PRESSURE OF 1500 PSF AND A-4 FILL DIRT COMPACTED TO 95% DENSITY (ASTM D-698). FILL PLACED @ 8" MAX. LIFTS. FILL SHALL EXTEND A MINIMUM OF 5' - 0" BEYOND THE PERIMETER OF THE FOUNDATION IN ALL DIRECTIONS.
3. ALL FORMWORK SHALL BE IN COMPLIANCE WITH A.C.I. 301.
4. RECESS AS REQUIRED FOR CERAMIC TILE, WOOD, AND BRICK FLOORS, MAINTAINING FULL SLAB AND GRADE BELOW DEPTH.
5. ALL CONVENTIONAL REINFORCING STEEL SHALL BE ASTM DESIGNATION A-165, GRADE 60 REINFORCING AND WIRE MESH SHALL MEET ASTM-185 WWF REINFORCING.
6. REINFORCING SHALL BE DETAILED AND ACCESSORIES PROVIDED IN ACCORDANCE WITH THE LATEST A.C.I. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES.
7. REINFORCEMENT SHALL HAVE 3" COVER IN GRADE BEAM BOTTOMS, 2" COVER IN BEAM SIDES AND TOPS, 1 1/2" COVER IN SLAB TOPS AND BOTTOMS, UNLESS OTHERWISE SHOWN.
8. REBARS SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING PLACING OF CONCRETE. USE CONCRETE BRICK SUPPORTS TO MAINTAIN REINFORCING CLEARANCES. DO NOT USE CMU OR FACE BRICK.
9. 25" LAP WITH 2 TIES REQUIRED AT REINFORCING SPLICES. 12" HOOK REQUIRED AT CORNERS
10. CURING COMPOUND TO BE PLACED ON SLAB IMMEDIATELY AFTER FINISH TO CONTROL SHRINKAGE CRACKING. PLACE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. W.R. GRACE PRODUCT OR EQUAL
11. THE CONTRACTOR SHALL VERIFY ALL DROPS, SLOPES, RECESSES, BRICK SEATS, BLOCK-OUTS ON ARCHITECTURAL PLANS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT MAY EXIST.
12. COORDINATE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL OPENINGS, INSERTS, AND ANY OTHER RELATED ITEMS.
13. PLANS FOR PIPES CONDUITS, THIMBLES, ETC., TO PASS THROUGH CONCRETE SLAB OR BEAM, MUST NOT CONFLICT WITH REINFORCING. WHERE A CONFLICT OCCURS, REINFORCING LOCATION IS TO TAKE PRECEDENCE.
14. ALL SECTIONS SHOWN ARE THE SECTIONS AT MID-SPAN OF GRADE BEAMS UNLESS OTHERWISE SHOWN.
15. ALTERATION TO OR DEVIATION FROM THE INFORMATION SHOWN ON THIS SHEET WITHOUT ADVANCED APPROVAL FROM ARCHITECT/ENGINEER MAY VOID ARCHITECT/ENGINEER'S RESPONSIBILITY.



NOTE: CONTRACTOR TO PROVIDE ELEVATOR SHOP DRAWINGS WITH PIT DIMENSIONS TO ARROW ENGINEERING PRIOR TO CONSTRUCTION

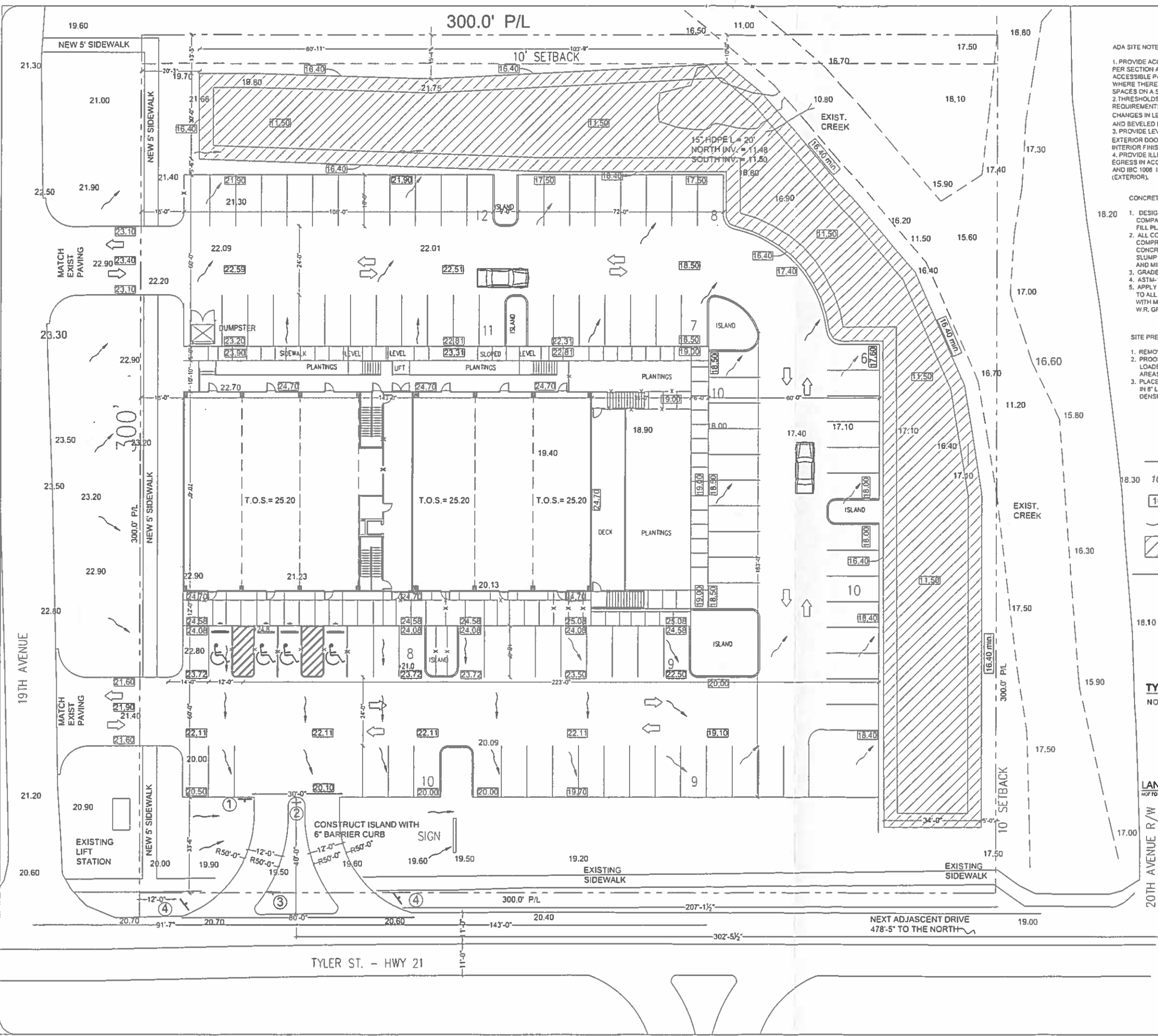
Date	7-5-18
Description	For Permit
Issue	A B



**SQ 1907**  
**COVINGTON, LA**

**ARROW ENGINEERING & CONSULTING**  
DARRELL FUSSELL, P.E.  
PO BOX 881  
Madisonville, LA 70447  
Phone: 985-237-3908

**S1**



**ADA SITE NOTES**

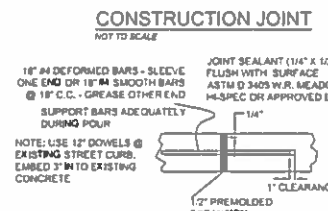
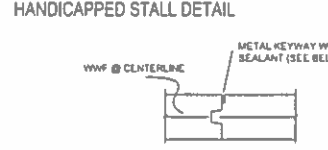
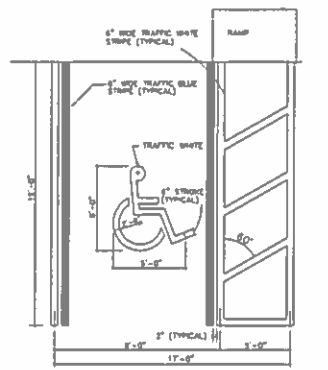
1. PROVIDE ACCESSIBLE PARKING SPACES AS PER SECTION ADA 218.5 PROVIDE SIGNAGE AT ACCESSIBLE PARKING AS PER SECTION ADA 502 WHERE THERE ARE 5 OR MORE PARKING SPACES ON A SITE.
2. THRESHOLDS SHALL COMPLY WITH REQUIREMENTS OF THIS SECTION REGARDING CHANGES IN LEVEL. (NOT MORE THAN 1/2" HEIGHT AND BEVELED IF OVER 1/2")
3. PROVIDE LEVEL LANDINGS OUTSIDE EXTERIOR DOORS THAT ARE WITHIN 1/2" OF THE INTERIOR FINISH FLOOR ELEVATION.
4. PROVIDE ILLUMINATION OF MEANS OF EGRESS IN ACCORDANCE WITH NFPA 101-7.8 AND IBC 1008 INCLUDING EXIT DISCHARGE (EXTERIOR).

**CONCRETE NOTES:**

1. DESIGN BASED ON A-4 FILL DIRT COMPACTED TO 95% DENSITY (ASTM D-1557). FILL PLACED @ 8" MAX. LIFTS.
2. ALL CONCRETE SHALL DEVELOP 4,000 PSI COMPRESSIVE STRENGTH @ 28 DAYS. PLACE CONCRETE WITH MAXIMUM SLUMP OF 6". PROVIDE SLUMP TEST AND CYLINDERS AT BEGINNING AND MIDPOINT OF POUR.
3. GRADE 60 DEFORMED REINFORCING. ASTM-183 WWF REINFORCING.
4. APPLY A LIQUID MEMBRANE CURING CHEMICAL TO ALL CONCRETE SURFACES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. W.R. GRACE PRODUCT OR EQUAL.

**SITE PREPARATION NOTES:**

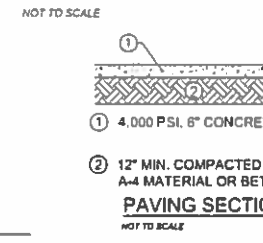
1. REMOVE TOP SOIL (8" TO 12")
2. PROOF ROLL EXCAVATED AREA WITH LOADED DUMP TRUCK. REMOVE PUMPING AREAS AND REPLACE WITH COMPACTED FILL IN 8" LIFTS COMPACTED TO 95% MAX. DENSITY. CONFIRM W/ TESTING.



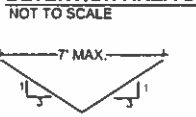
**LEGEND**

- 10.2' EXISTING GRADE
- 10.2' REQUIRED GRADE
- DIRECTION OF FLOW
- WETLANDS

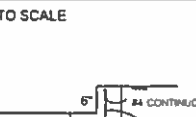
**EXPANSION JOINT**



**DETENTION AREA SECTION**



**TYPICAL SWALE SECTION**



**LANDSCAPE CURB DETAIL**



**ROAD SIGN POST DETAIL**

**FLOOD ZONE INFORMATION**

BFE = 24.0'  
PRELIMINARY FIRM 4-30-2008

**REQUIRED SIGNAGE**

1. RIGHT TURN ONLY SIGN FACE WEST (R3-SR, 30"x36", 7' min.)
2. DIVIDED MEDIAN SIGN FACE SOUTH (R4 - 7, 24"x30", 7' min.)
3. NO LEFT TURN SIGN - FACE WEST (R3-2, 24"x24", 7' min.)
4. NO LEFT TURN SIGN - FACE SOUTH (R3-2, 24"x24", 7' min.)

62030358

**DRIVEWAY PLAN**

SCALE: 1/16" = 1'-0"

Date	9-24-18
Description	For Review and Comment
Issue	A

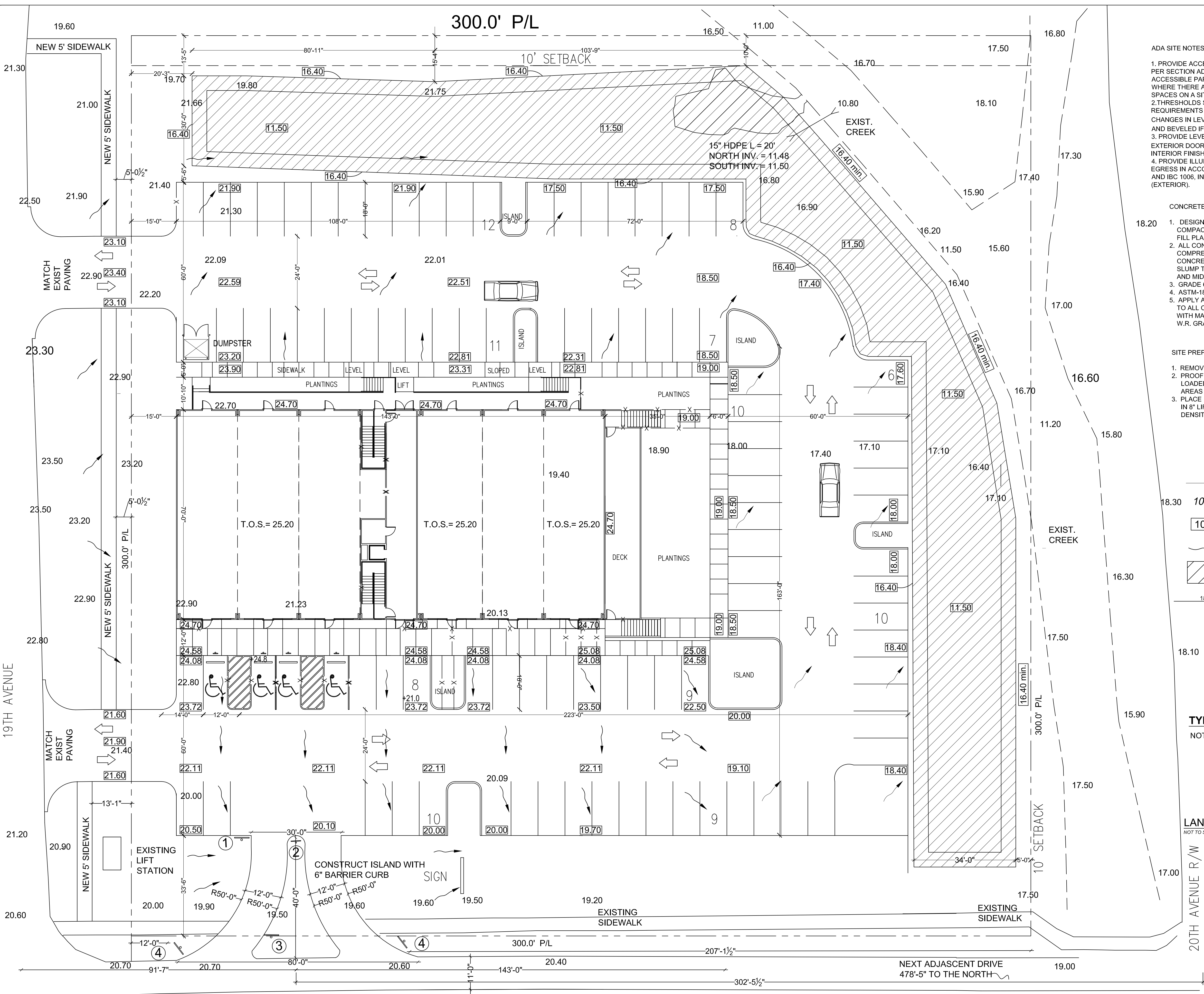


SQUARE 1907  
19TH AVE. @ TYLER STREET  
COVINGTON, LA

ARROW ENGINEERING & CONSULTING  
DARRELL FUSSELL, P.E.  
darrell@arroweng.com  
Phone: 985-237-3408

PO BOX 881  
Madisonville, LA 70447

C1



**ADA SITE NOTES**

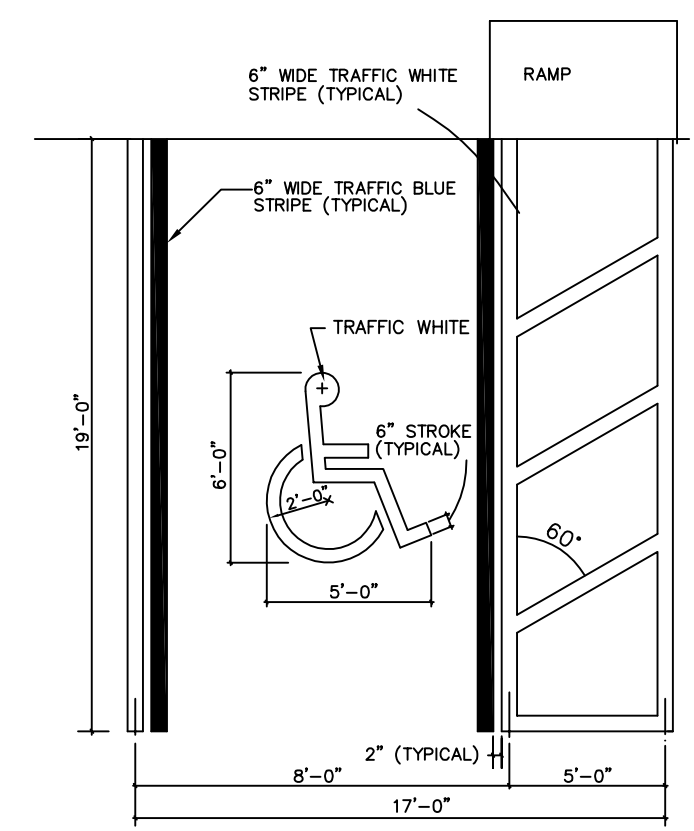
1. PROVIDE ACCESSIBLE PARKING SPACES AS PER SECTION ADA 216.5 PROVIDE SIGNAGE AT ACCESSIBLE PARKING SPACES PER SECTION ADA 502 WHERE THERE ARE 5 OR MORE PARKING SPACES ON A SITE.
2. THRESHOLDS SHALL COMPLY WITH REQUIREMENTS OF THIS SECTION REGARDING CHANGES IN LEVEL. (NOT MORE THAN 1/4" HEIGHT AND BEVELED IF OVER 1/4")
3. PROVIDE LEVEL LANDINGS OUTSIDE EXTERIOR DOORS THAT ARE WITHIN 3" OF THE INTERIOR FINISH FLOOR ELEVATION.
4. PROVIDE ILLUMINATION OF MEANS OF EGRESS IN ACCORDANCE WITH NFPA 101.7.8 AND IBC 1006, INCLUDING EXIT DISCHARGE (EXTERIOR).

**CONCRETE NOTES:**

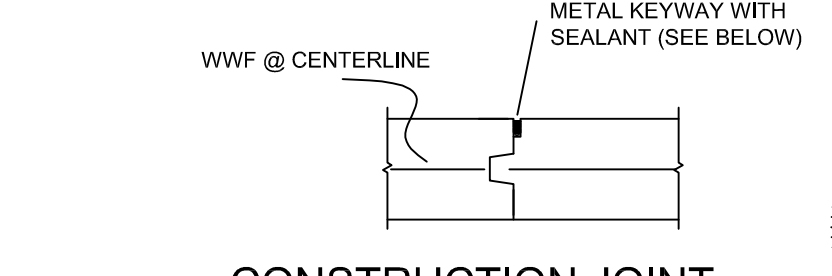
- 18.20 1. DESIGN BASED ON A-4 FILL DIRT COMPACTED TO 95% DENSITY (ASTM D-1557). FILL PLACED @ 8" MAX. LIFTS
2. ALL CONCRETE SHALL DEVELOP 4,000 PSI COMPRESSIVE STRENGTH @ 28 DAYS. PLACE CONCRETE W/MAXIMUM SLUMP OF 6". PROVIDE SLUMP TEST AND CYLINDERS AT BEGINNING AND MIDPOINT OF POUR.
3. GRADE 60 DEFORMED REINFORCING.
4. ASTM-185 WWF REINFORCING.
5. APPLY A LIQUID MEMBRANE CURING CHEMICAL TO ALL CONCRETE SURFACES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. W.R. GRACE PRODUCT OR EQUAL.

**SITE PREPARATION NOTES:**

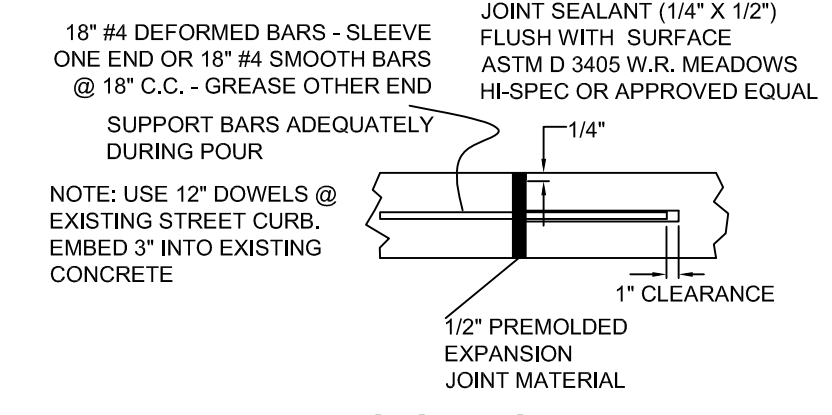
1. REMOVE TOP SOIL (8" TO 12")
2. PROOF ROLL EXCAVATED AREA WITH LOADED DUMP TRUCK. REMOVE PUMPING AREAS AND REPLACE WITH COMPACTED FILL
3. PLACE FILL DIRT (A-4) MATERIAL OR BETTER IN 8" LIFTS COMPACTED TO 95% MAX. DENSITY. CONFIRM W/TESTING.



**HANDICAPPED STALL DETAIL**



**CONSTRUCTION JOINT**



**EXPANSION JOINT**

**LEGEND**

- 18.30 10.2' EXISTING GRADE
- 10.2' REQUIRED GRADE
- DIRECTION OF FLOW
- WETLANDS



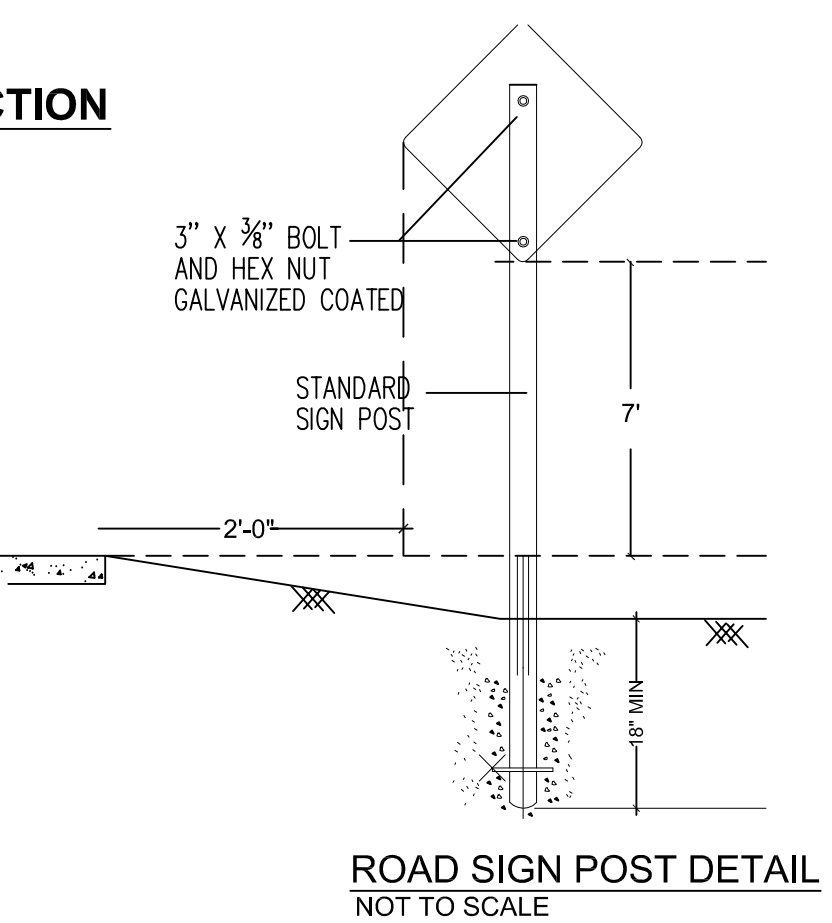
**DETENTION AREA SECTION**



**TYPICAL SWALE SECTION**



**LANDSCAPE CURB DETAIL**

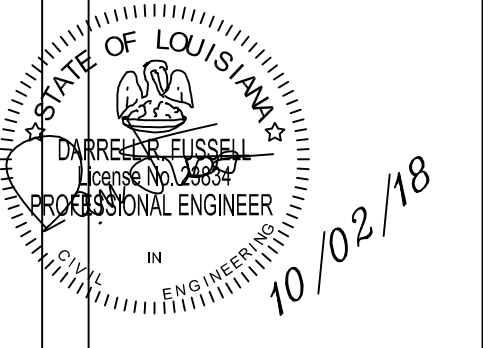


**ROAD SIGN POST DETAIL**

**FLOOD ZONE INFORMATION**  
 BFE = 24.0'  
 PRELIMINARY FIRM 4-30-2008

**REQUIRED SIGNAGE**

- ① RIGHT TURN ONLY SIGN FACE WEST (R3-5R, 30"x36", 7' min.)
- ② DIVIDED MEDIAN SIGN FACE SOUTH (R4 - 7, 24"x30", 7' min.)
- ③ NO LEFT TURN SIGN - FACE WEST (R3-2, 24"x24", 7' min.)
- ④ NO LEFT TURN SIGN - FACE SOUTH (R3-2, 24"x24", 7' min.)



**SQUARE 1907**  
**19TH AVE. @ TYLER STREET**  
**COVINGTON, LA**

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 DARRELL FUSSELL, P.E.  
 darfuss123@gmail.com  
 Phone: 985-237-3908  
 PO BOX 881  
 Madisonville, LA 70447

**SITE/DRAINAGE PLAN**  
 SCALE: 1/16" = 1'-0"

**C1**

**GENERAL NOTES:**

1. THE CONTRACTOR SHALL VERIFY ALL LINES, GRADES, LEVELS AND DIMENSIONS, AS SHOWN ON THE DRAWINGS, AND SHALL REPORT ANY ERROR OR INCONSISTENCIES TO THE ENGINEER BEFORE COMMENCING WORK.
2. THE CONTRACTOR SHALL INCLUDE IN THE BID ALL COSTS ASSOCIATED WITH THE SAFE AND CONVENIENT ACCESS TO THE WORKING SITES, WITH THE REQUIREMENTS THAT ALL WORK MUST BE ACCOMPLISHED FROM WITHIN THE EXISTING ROAD RIGHT-OF-WAYS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN ACCURATE PROPERTY LINES AND CORNERS TO ENSURE THAT NO WORK IS DONE, NOR DAMAGE CAUSED TO ADJACENT PRIVATE PROPERTIES.
3. THE CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL PRIOR TO BEGINNING THE WORK.

**TRENCHING NOTES:**

1. THE WORK COVERED BY THIS SECTION CONSISTS IN FURNISHING ALL PLANT LABOR, EQUIPMENT AND MATERIALS, AND IN PERFORMING ALL OPERATIONS IN CONNECTION WITH EXCAVATION AND TRENCHING FOR UTILITIES, INCLUDING DEWATERING, SHORING, BRACING, BEDDING, BACKFILLING, COMPACTING, PROTECTIVE SLABS, RESTORATION OF SURFACES (PAVED OR OTHERWISE), AND DISPOSAL OF SURPLUS MATERIALS.
2. GENERALLY, LIMIT THE LENGTH OF TRENCH TO BE EXCAVATED AHEAD OF PIPE LAYING TO SUFFICIENT TRENCH FOR ONE DAY'S PIPE-LAYING OPERATION. WHEN THE WORD "PIPE" IS USED, IT SHALL BE INTERPRETED TO INCLUDE UTILITY INSTALLATIONS, SUCH AS CONDUIT.
3. NO ADDITIONAL COSTS SHALL BE ALLOWED FOR THE CONTRACTOR TO PROPERLY AND REGULARLY DEWATER TRENCHES AND OTHER EXPOSED EXCAVATIONS UNLESS, IN THE OPINION OF THE ENGINEER, TIMBER SHEETING AND BRACING OR WELL-POINTING BECOMES NECESSARY, IN WHICH CASE A SUITABLE PRICE FOR THE WORK SHALL BE NEGOTIATED BETWEEN THE ENGINEER AND THE CONTRACTOR.
4. PROVIDE AND MAINTAIN CONTINUOUS SHEETING AND BRACING TO PREVENT DAMAGE TO PROPERTY, INJURY TO PERSONS OR EROSIONS AND CAVE-INS.
5. REGRADE ALL EXISTING DITCHES AFFECTED BY THE WORK.

**SEWER LINE TESTING NOTES:**

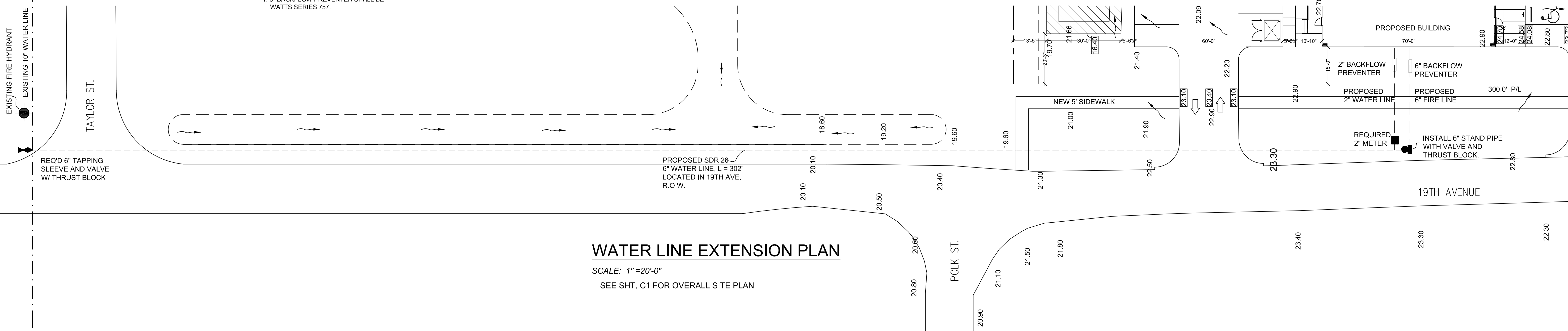
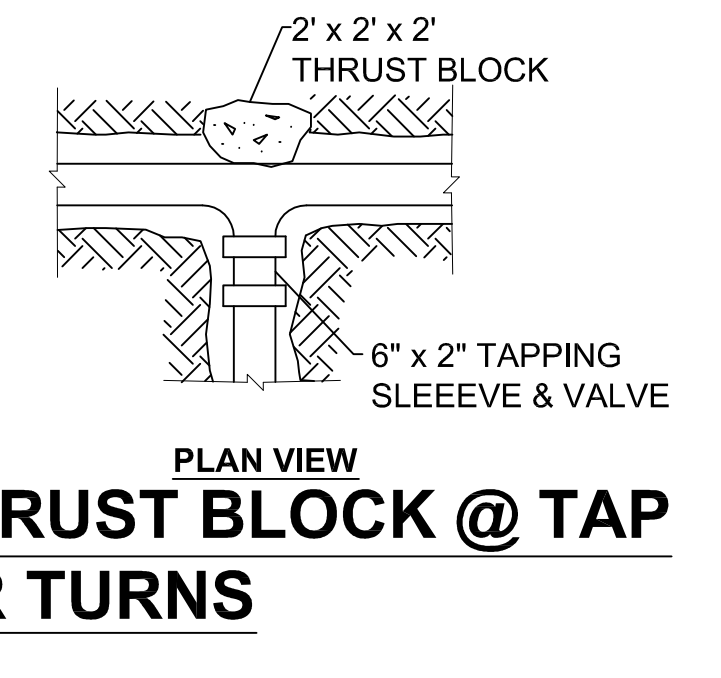
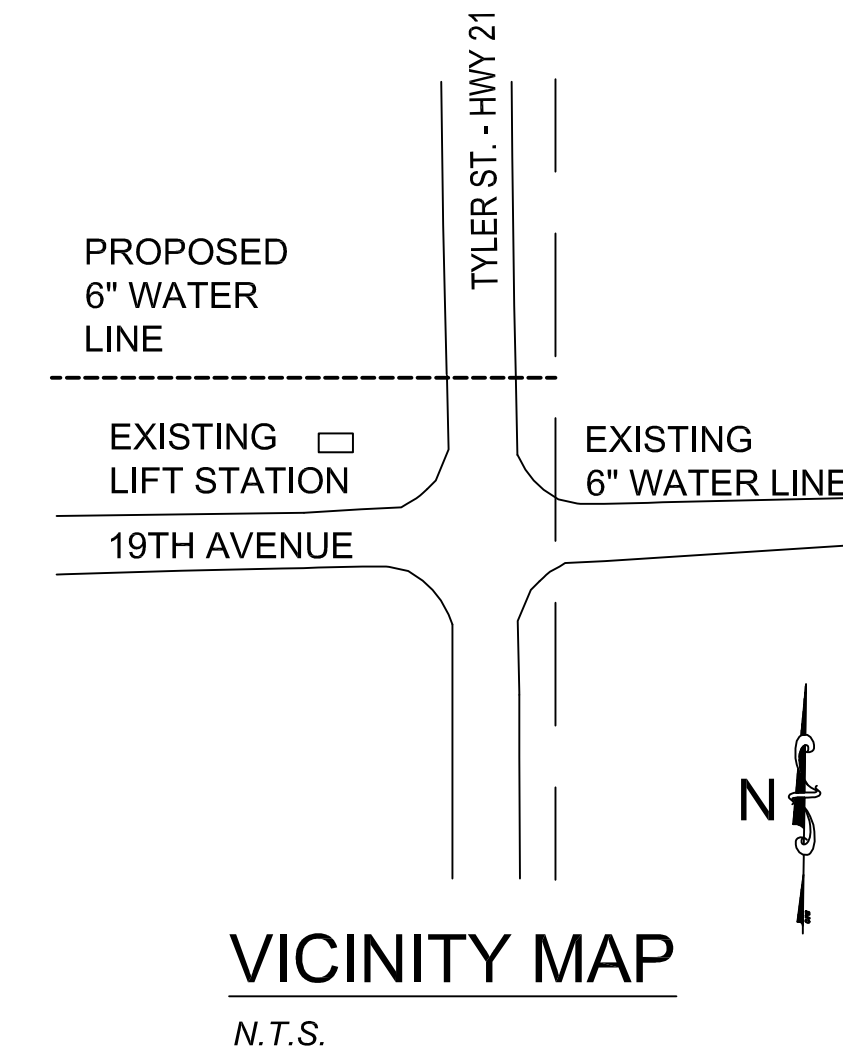
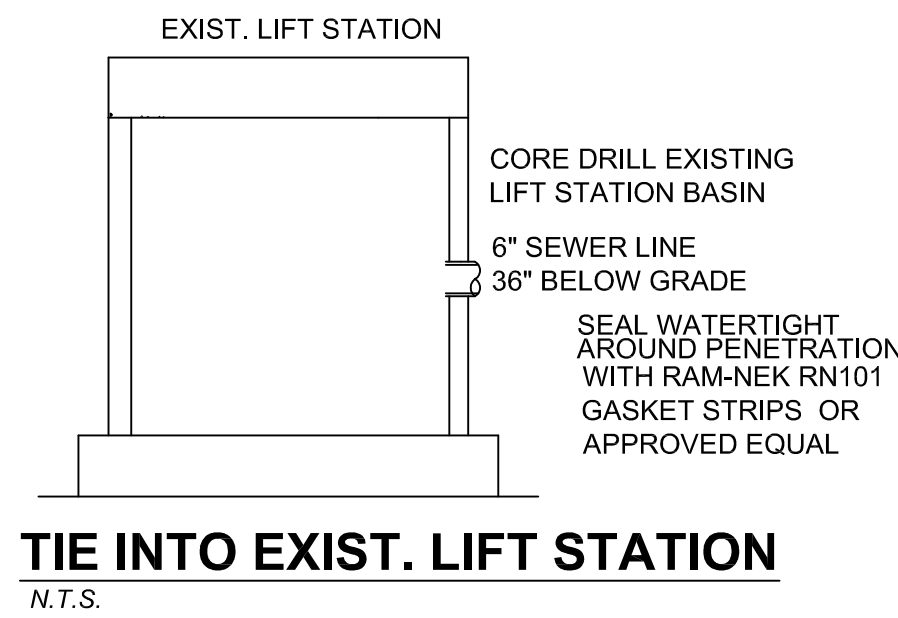
1. PERFORM LOW PRESSURE AIR TEST IN ACCORDANCE WITH ASTM F1417 FOR PLASTIC PIPES
2. PERFORM LEAKAGE TEST AND THE INFILTRATION/EXFILTRATION RATE SHALL NOT EXCEED A RATE OF 100 GALLONS PER MILE (2 GALLONS/100 FEET) PER INCH OF DIAMETER OF SEWER PER 24 HOURS.
3. PROVIDE TRACER WIRE FOR FULL LENGTH OF SEWER LINES.

**BACKFLOW PREVENTER NOTES**

1. 2" BACKFLOW PREVENTER SHALL BE WATTS SERIES LF009.
1. 6" BACKFLOW PREVENTER SHALL BE WATTS SERIES 757.

**WATER LINE NOTES:**

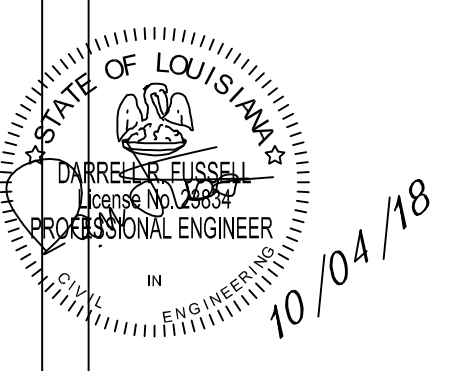
1. WATER LINE SHALL BE PROVIDED AND INSTALLED ACCORDING TO CURRENT SPECIFICATIONS OF THE GOVERNING WATER COMPANY.
2. WATER LINE SHALL BE SDR-26, PVC CLASS 160, ASTM D3139, ASTM F442, ASTM D3139.
3. ALL BENDS AND FITTINGS SHALL BE BACKED WITH CONCRETE AS SHOWN ON PLAN.
4. MEGA-LUGG RESTRAINTS MUST BE USED WHERE DUCTILE IRON FITTINGS CONTACT C-900.
5. BLUE MARKERS SHALL BE INSTALLED WITHIN THE STREET TO MARK THE LOCATION OF NEW FIRE HYDRANTS.
6. PROVIDE TRACER WIRE FOR FULL LENGTH OF WATER LINES.
7. WHERE WATER LINES CROSS SEWER LINES, THE WATER LINE MUST BE 18" ABOVE THE SEWER LINE.
8. PIPING FITTINGS AND FIRE HYDRANTS SHALL CONFORM TO APPLICABLE AWWA AND/OR NSF STANDARDS.
9. PIPING SYSTEM WILL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH THE LATEST AWWA STANDARDS.
10. THE PROPOSED WATER DISTRIBUTION SYSTEM WILL BE FLUSHED AND DISINFECTED IN ACCORDANCE WITH LAC 51: XII. 353.A.
11. A MINIMUM HORIZONTAL AND VERTICAL SEPARATION OF 6" AND 18", RESPECTIVELY, WILL BE MAINTAINED BETWEEN OUTSIDE EDGE OF WATER MAINS AND THE OUTSIDE EDGE OF ANY SEWER MANHOLES, WET WELLS, FORCE MAINS, AND GRAVITY MAINS.
12. WATER SYSTEM TO BE OPERATED BY CITY OF COVINGTON
13. THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED MATERIAL, WHERE TRENCH WALL HAS BEEN DISTURBED EXCAVATE ALL LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL.
14. BACKFILL SHALL CONSIST ENTIRELY OF CLEAN SAND AND SMALL ROCK FRAGMENTS. ANY MUCK FOUND AROUND THE EXCAVATION SHALL BE REPLACED WITH COMPACTED ACCEPTABLE MATERIAL.
15. ALL THRUST BLOCKS SHALL BE CAST IN PLACE WITH 2500 P.S.I. CONCRETE.



**WATER LINE EXTENSION PLAN**

SCALE: 1" = 20'-0"  
SEE SHT. C1 FOR OVERALL SITE PLAN

Date	9-27-18
Date	10-04-18
Description	For Review and Comment Added Backflow Preventers
Issue	A B



**SQUARE 1907**  
**19TH AVE. @ TYLER STREET**  
**COVINGTON, LA**

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**C2**