

GENERAL:

1.

IN MOST CASES THE CRITERIA FOR THE STRUCTURE IS ESTABLISHED ON THE DRAWINGS, AND IN THE SPECIFICATIONS. WHERE IT IS NOT, THESE NOTES SHALL GOVERN.
2.

DURING CONSTRUCTION, TEMPORARY BRACING AND/OR SHORING SHALL BE DESIGNED AND PROVIDED WHEREVER NECESSARY BY THE CONTRACTOR TO TAKE CARE OF ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING CONSTRUCTION EQUIPMENT AND THE OPERATION OF SAME. SUCH BRACING AND/OR SHORING SHALL BE LEFT IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY.
3.

ALL CONSTRUCTION AND FABRICATION SHALL CONFORM TO THE FOLLOWING CODES AND STANDARDS:

A.

2018 IBC – INTERNATIONAL BUILDING CODE

B.

AISC 360–10 – SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS

C.

AWS D1.1–2010 – STRUCTURAL WELDING CODE

D.

ASTM – AMERICAN SOCIETY FOR TESTING AND MATERIALS
4.

ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF:

A.

OSHA – OCCUPATIONAL SAFETY HEALTH ACT.

B.

MSHA – MINING SAFETY AND HEALTH ADMINISTRATION

C.

ALL APPLICABLE AMERICAN SAFETY STANDARDS

DESIGN CRITERIA: (PER IBC 2018/ASCE7–16)

- A.

WIND LOAD~EXPOSURE "C"

106 MPH
- B.

GROUND SNOW LOAD

20 PSF
- C.

ROOF LIVE LOAD

12 PSF
- D.

SEISMIC DESIGN DATA

MAPPED SPECTRAL ACCELERATION

$S_S = 0.440g$, $S_1 = 0.158g$

DESIGN SPECTRAL ACCELERATION

$S_{DS} = 0.381g$, $S_{D1} = 0.158g$

IMPORTANCE FACTOR

1.0

OCCUPANCY CATEGORY

II

BUILDING SEISMIC DESIGN CATEGORY

C

SITE CLASS

D (ASSUMED)

BASIC STRUCTURAL SYSTEM TYPE

ORDINARY STEEL MOMENT FRAMES

RESPONSE MODIFICATION FACTOR

3.5

ANALYSIS PROCEDURE

EQUIVALENT LATERAL FORCE METHOD

DESIGN LOADS (PROVIDED BY CARUSO TURLEY, INC)						
LOCATION (CONNECTION TYPE)	VERTICAL LOADS				HORIZONTAL LOADS	
	DEAD LOAD	ROOF LIVE LOAD	SNOW LOAD	WIND LOAD DOWNWORD UPLIFT	WIND LOAD	SEISMIC LOAD
TYP INTERIOR COLUMN (TYPES 2B, 4, AND 7)	40 KIPS	45 KIPS	75 KIPS	55 KIPS 62 KIPS	6.5 KIPS	4.0 KIPS
TYP EXTERIOR COLUMN (TYPES 1B, 2, 3, 3B AND 8)	20 KIPS	22.5 KIPS	37.5 KIPS	27.5 KIPS 31 KIPS	3.25 KIPS	2.0 KIPS
TYP CORNER COLUMN (TYPES 1 AND 6)	10 KIPS	11.25 KIPS	18.75 KIPS	13.75 KIPS 15.5 KIPS	1.63 KIPS	1.0 KIPS
W30 GIRDER (TYPE 9)	5.4 KIPS	6.5 KIPS	10.8 KIPS	13.5 KIPS 13.9 KIPS	-	-

1.

WIND AND SEISMIC LOADS ARE ULTIMATE LOADS
2.

HORIZONTAL LOADS CAN ACT IN ANY DIRECTION
6.

DO NOT SCALE DRAWINGS. WORK TO DIMENSIONS ONLY.
7.

WHEN CONFLICTS OCCUR BETWEEN DIMENSIONS, TYPICAL DETAILS, GENERAL NOTES, SPECIFICATIONS, AND THE ENGINEERING DRAWINGS, THE CONTRACTOR SHALL MAKE NOTE OF SUCH CONFLICTS AND NOTIFY THE ENGINEER OF THESE CONFLICTS IMMEDIATELY.
8.

SHOP DRAWINGS SHALL BE FURNISHED TO SATISFY THE ENGINEERS DUTY OF CARE.

SUBSTITUTIONS:

1.

WHERE ALTERNATE TYPES OF MATERIAL OR METHODS OF CONSTRUCTION ARE PROPOSED, THEY MUST BE LISTED BY NAME AND MANUFACTURER AND SUBMITTED WITH SPECIFICATIONS FOR ENGINEER'S REVIEW OR APPROVAL.
2.

MEMBERS OF EQUAL OR GREATER STRENGTH MAY BE SUBSTITUTED, SUBJECT TO APPROVAL. CHANGES IN SIZE OR DIMENSIONS OF OPENINGS, BEAM CUTS, OR SLEEVES ARE SUBJECT TO APPROVAL.

EXISTING CONSTRUCTION:

1.

PROTECT EXISTING STRUCTURE DURING CONSTRUCTION.
2.

PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL MAKE NOTE OF ALL UTILITIES (VISIBLE AND/OR INDICATED ON DRAWINGS) THAT MAY BECOME INVOLVED DURING THE CONSTRUCTION. ALL EXISTING UTILITY LINES, WATER LINES, SEWERS, ETC., ARE TO BE FULLY SUPPORTED AND PROTECTED DURING CONSTRUCTION.
3.

WHEN WORKING WITHIN OR ADJACENT TO EXISTING STRUCTURES, ALL DIMENSIONS, GRADES AND OBSTRUCTIONS ARE TO BE OBSERVED AND VERIFIED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF FABRICATION, CONSTRUCTION, AND EQUIPMENT INSTALLATION.
4.

DESIGN DRAWINGS ARE BASED ON EXISTING DOCUMENTATION, ASSUMING THAT THE EXISTING CONSTRUCTION IS UNMODIFIED AND WELL MAINTAINED.
5.

CONTRACTOR SHALL REVIEW ANY CLEANING, PAINTING, AND REPAIR OF EXISTING CONSTRUCTION WITH THE OWNER PRIOR TO COMMENCEMENT OF SUCH REPAIRS.
6.

DIMENSIONS FOR EXISTING FACILITIES MAY BE BASED ON FIELD MEASUREMENTS AND/OR EXISTING DESIGN DRAWINGS. ALL EXISTING FACILITY DIMENSIONS ARE SUBJECT TO NORMAL CONSTRUCTION AND MEASUREMENT TOLERANCES. NORMAL CONSTRUCTION TOLERANCES FOR CONCRETE SHALL BE PER ACI 117. NORMAL CONSTRUCTION TOLERANCES FOR STRUCTURAL STEEL SHALL BE PER "THE AISC CODE OF STANDARD PRACTICE" FRAME TOLERANCES.

SHORING & BRACING:

1.

SHORING AND BRACING SHOULD BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS, INCLUDING THE CURRENT OSHA/MSHA EXCAVATION AND TRENCH SAFETY STANDARDS.

PAINT:

1.

ALL STRUCTURAL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH OWNER REQUIREMENTS.

DAY AND NIGHT SOLAR

ST. LOUIS, MO

BJC CAMPUS PARKING SOLAR PROJECT

4456 DUNCAN AVENUE

BASE CONNECTIONS

DRAWING INDEX		
DRAWING NO.	DESCRIPTION	RELEASE DATE
1628–C–001	COVER SHEET – GENERAL NOTES & DRAWING INDEX (THIS DRAWING)	
1628–S–001	BASE CONNECTION TYPE 1	
1628–S–002	BASE CONNECTION TYPES 2 & 2B	
1628–S–003	BASE CONNECTION TYPE 3 & 3B	
1628–S–004	BASE CONNECTION TYPE 4	
1628–S–005	BASE CONNECTION TYPES 5 & 6	
1628–S–006	BASE CONNECTION TYPE 7	
1628–S–007	BASE CONNECTION TYPES 8 & 9	

STRUCTURAL STEEL:

1.

ALL STRUCTURAL STEEL WIDE FLANGE & STANDARD BEAM SHAPES SHALL CONFORM TO ASTM SPECIFICATION A992 GR 50 UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL ANGLES, CHANNELS, BINS, CHUTES, AND DUCTWORK SHALL BE ASTM A36; Fy=36 ksi. STRUCTURAL TUBE SHALL BE ASTM A500 GRADE B UNLESS NOTED. ALL STRUCTURAL PIPE SHALL BE ASTM A500 OR ASTM A53 TYPE E OR S GRADE B, Fy = 35 ksi.
2.

THREADED RODS SHALL CONFORM TO ASTM F–593 GRADE 316 STAINLESS STEEL AND NUTS/WASHERS CONFORMING TO ASTM F–594 GRADE 316 STAINLESS STEEL (U.N.O.).
3.

WHERE POSITION OF MEMBERS PROHIBITS THE USE OF A STANDARD CONNECTION, A CONNECTION EQUIVALENT TO A STANDARD CONNECTION SHALL BE PROVIDED.
4.

BEARING ENDS OF COLUMNS SHALL BE FINISHED.
5.

ALL WELDS SHALL BE MADE WITH E70XX ELECTRODES. WELDS SHALL BE 1/4" FILLET UNLESS OTHERWISE NOTED.
6.

CONTRACTOR SHALL LOCATE EXISTING REINFORCEMENT PRIOR TO THE INSTALLATION OF POST INSTALLED CONCRETE ANCHORS. DO NOT DAMAGE ANY EXISTING REINFORCEMENT.
7.

BEARING PADS SHALL BE SA–47 RANDOM FIBER (ROF) PADS AS MANUFACTURED BY FABREEKA OR APPROVED EQUAL. ADHERE BEARING PADS TO THE CONCRETE SUBSTRATE WITH #700 EPOXY ADHESIVE MANUFACTURED BY FABREEKA OR APPROVED EQUAL.

COLUMN BASE PLATE GROUT:

1.

ALL GROUT FOR COLUMN BASE PLATES SHALL BE ASTM C1107 NON–METALLIC, NON–SHRINK GROUT INSTALLED PER MANUFACTURER'S SPECIFICATIONS. THICKNESS SHALL BE 1" UNLESS OTHERWISE NOTED ON DRAWINGS.
2.

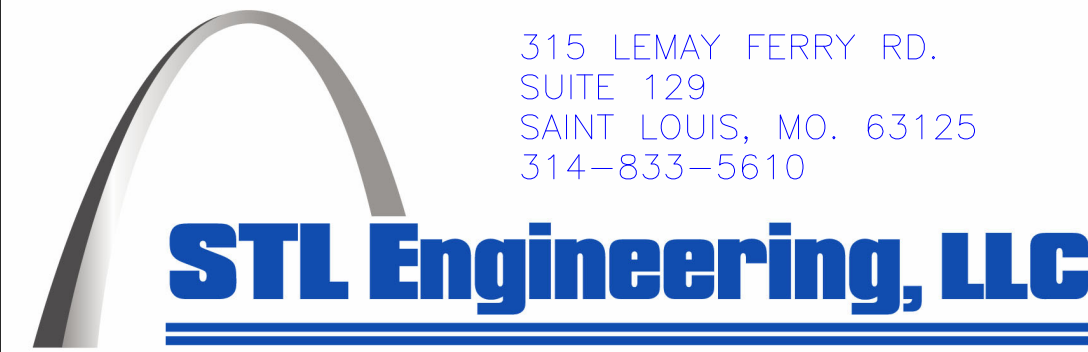
MINIMUM 28 DAY COMPRESSIVE STRENGTH FOR GROUT SHALL BE 7000 PSI.

ABBREVIATIONS:

2L	DOUBLE ANGLE	INFO	INFORMATION
AR	ANCHOR ROD	LLBB	LONG LEGS BACK–TO–BACK
ALT	ALTERNATE	LLH	LONG LEG HORIZONTAL
BB	BACK TO BACK	LLV	LONG LEG VERTICAL
B/	BOTTOM OF	MAX	MAXIMUM
BOT	BOTTOM	MECH	MECHANICAL
BRG	BEARING	MFG	MANUFACTURER
C	CHANNEL	MIN	MINIMUM
CL	CENTERLINE	MISC	MISCELLANEOUS
CLR	CLEAR	NTS	NOT TO SCALE
COL	COLUMN	OC	ON CENTER
CONC.	CONCRETE	OPP	OPPOSITE
CONT.	CONTINUOUS	PL	PLATE
C.S.	CARBON STEEL	PLF	POUNDS PER LINEAR FOOT
DBR	DEFORMED BAR	PSF	POUNDS PER SQUARE FOOT
DIA.	DIAMETER	PSI	POUNDS PER SQUARE INCH
DWG	DRAWING	REQ'D	REQUIRED
EF	EACH FACE	SLBB	SHORT LEGS BACK–TO–BACK
EL	ELEVATION	SLH	SHORT LEG HORIZONTAL
EQ	EQUAL	SLV	SHORT LEG VERTICAL
EW	EACH WAY	SS	STAINLESS STEEL
FF	FINISHED FLOOR	T&B	TOP & BOTTOM
FLR	FLOOR	T/	TOP OF
FTG	FOOTING	TYP	TYPICAL
HOR.	HORIZONTAL	UNO	UNLESS NOTED OTHERWISE
		VIF	VERIFY IN FIELD

PRELIMINARY

NOT FOR
CONSTRUCTION

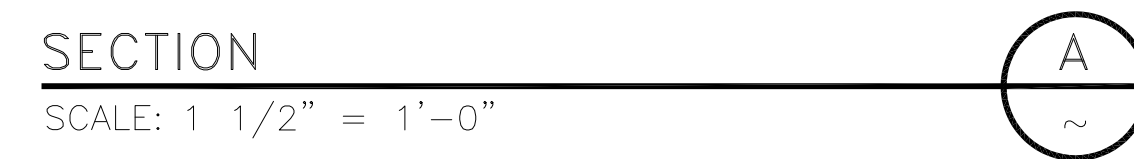


315 LEMAY FERRY RD.
SUITE 129
SAINT LOUIS, MO. 63125
314–833–5610

CLIENT: <div>DAY AND NIGHT SOLAR ST. LOUIS, MO 63110</div>		
PROJECT: <div>BJC CAMPUS PARKING SOLAR PROJECT 4456 DUNCAN AVENUE STRUCTURAL COVER SHEET – GENERAL NOTES & SHEET INDEX</div>		
DRAWN: DEC	DATE: 11/30/18	
SCALE: NTS	STL PROJECT #: STL.18.1628	
CLIENT PROJECT #	DRAWING NUMBER #	REV. #
	1628–C–001	B

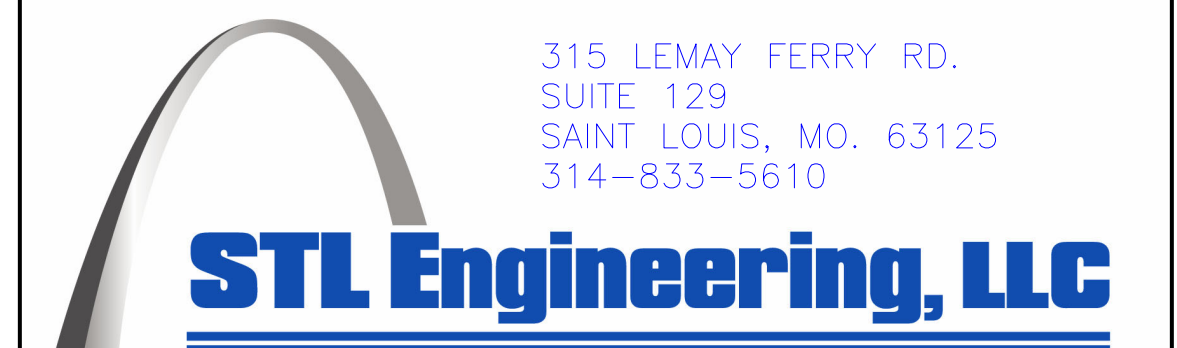
P.E.
SEAL:

CORP. CERT. OF AUTHORITY #
E–2014009680



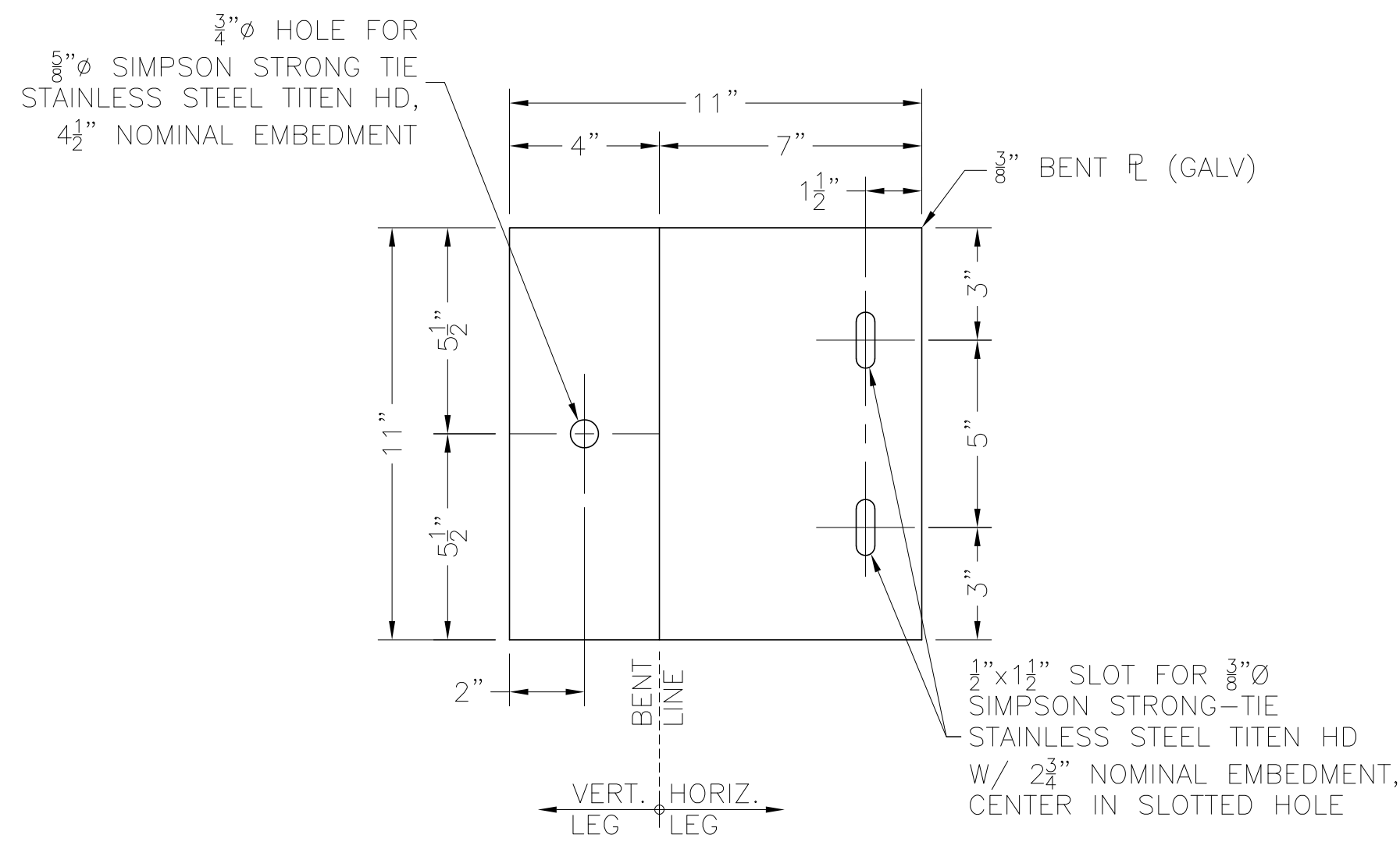
NOT FOR
CONSTRUCTION

B	12/07/18	RE--ISSUED FOR REVIEW	JWO
A	11/30/18	ISSUED FOR REVIEW	J.W.O.
REV.	DATE	DESCRIPTION	APP'D.



CLIENT PROJECT #	DRAWING NUMBER #	REV. #
	1628-S-001	B

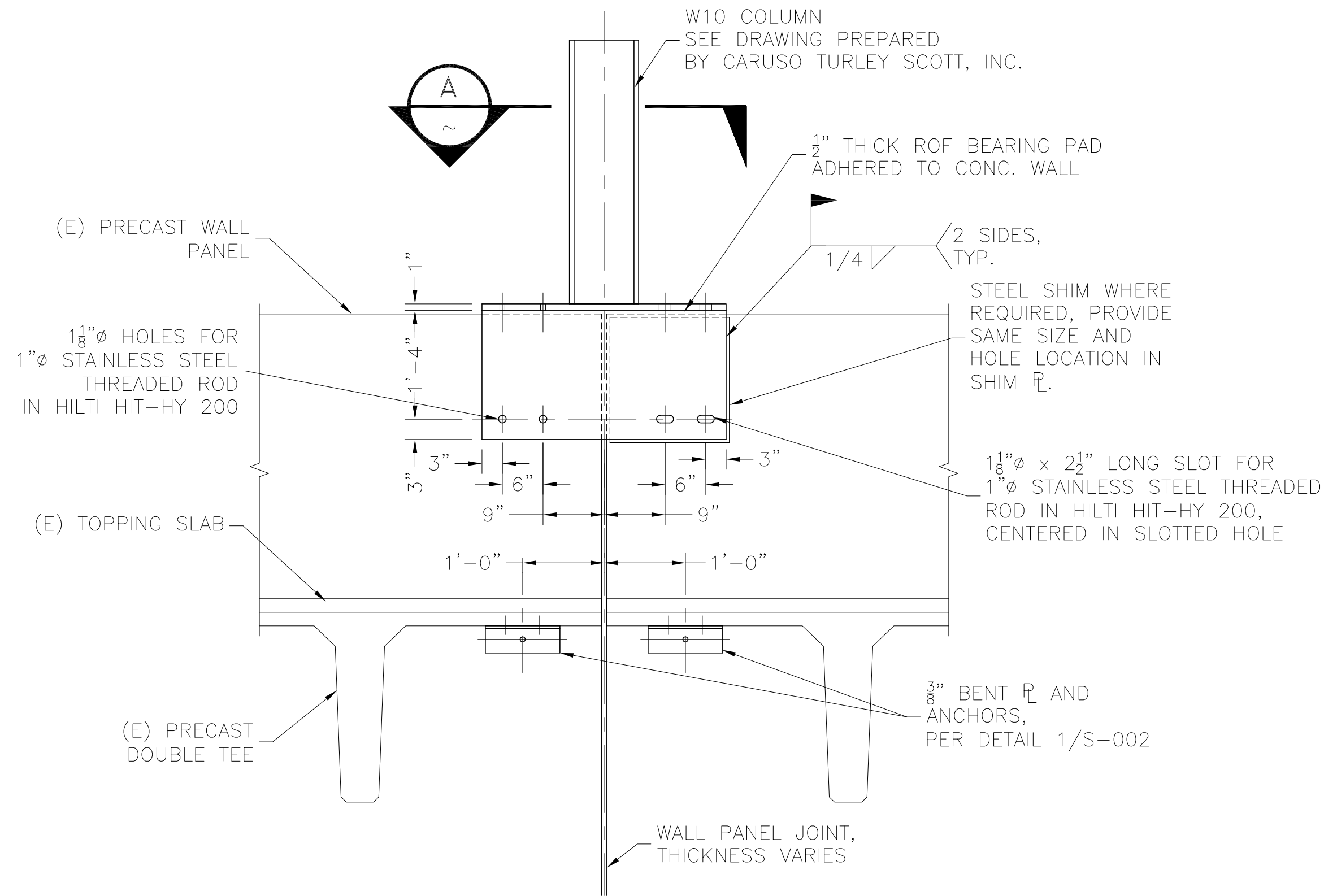
CORP. CERT. OF AUTHORITY #
E-2014009680



DETAIL

SCALE: 3" = 1'-0"

1

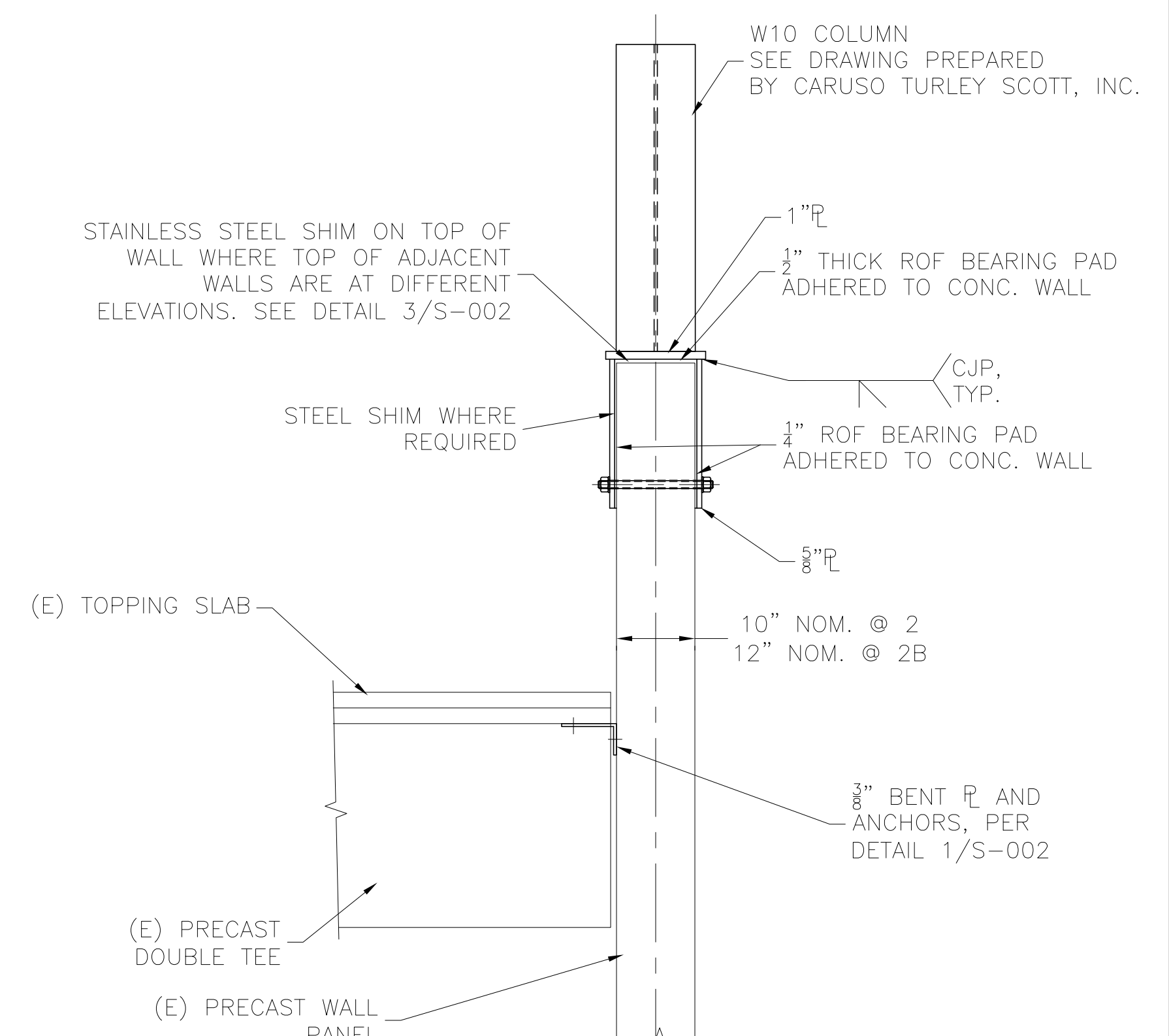


ELEVATION

BASE CONNECTION TYPE 2 & 2B

SCALE: 3/4" = 1'-0"

2



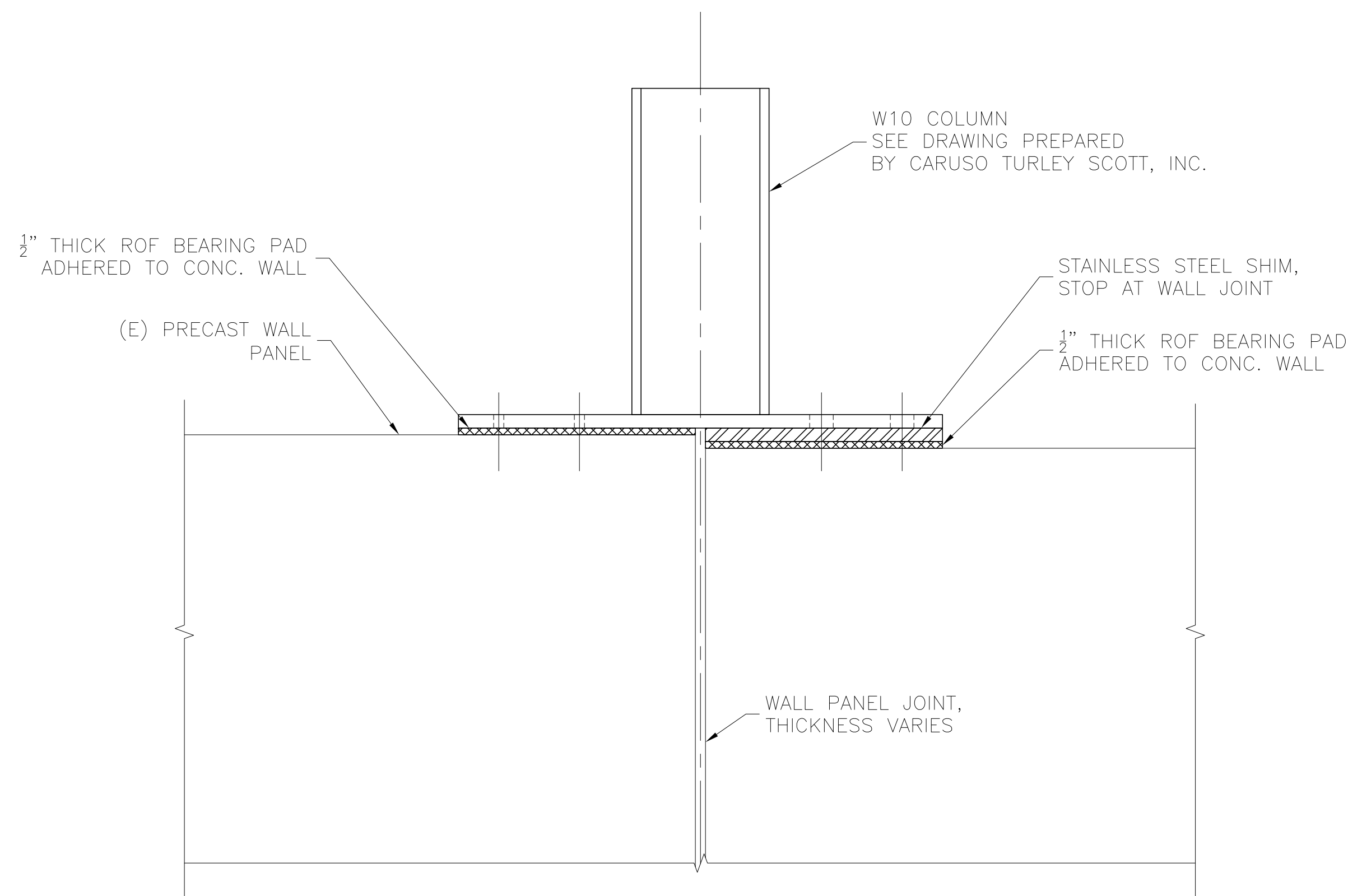
SECTION

NOTES:

1. SEE ROOF FRAMING PLAN PREPARED BY CARUSO TURLEY INC. FOR COLUMN LOCATIONS.
2. REFERENCE NOTES ON SHEET C-001 FOR ADDITIONAL INFORMATION.
3. LOCATE EXISTING REINFORCEMENT PRIOR TO FABRICATION AND ANCHOR INSTALLATION, DO NOT DAMAGE EXISTING REINFORCEMENT.
4. USE UP TO 3/4" OF NON SHRINK GROUT AS REQUIRED TO LEVEL BASE PLATE.
5. SHIM PLATES MAY BE REQUIRED ON SIDES AND TOP TO DUE TO EXISTING ALIGNMENT OF ADJACENT WALL PANELS. CONTRACTOR SHALL INCLUDE COST OF SHIMS IN PROJECT COST.

PRELIMINARY

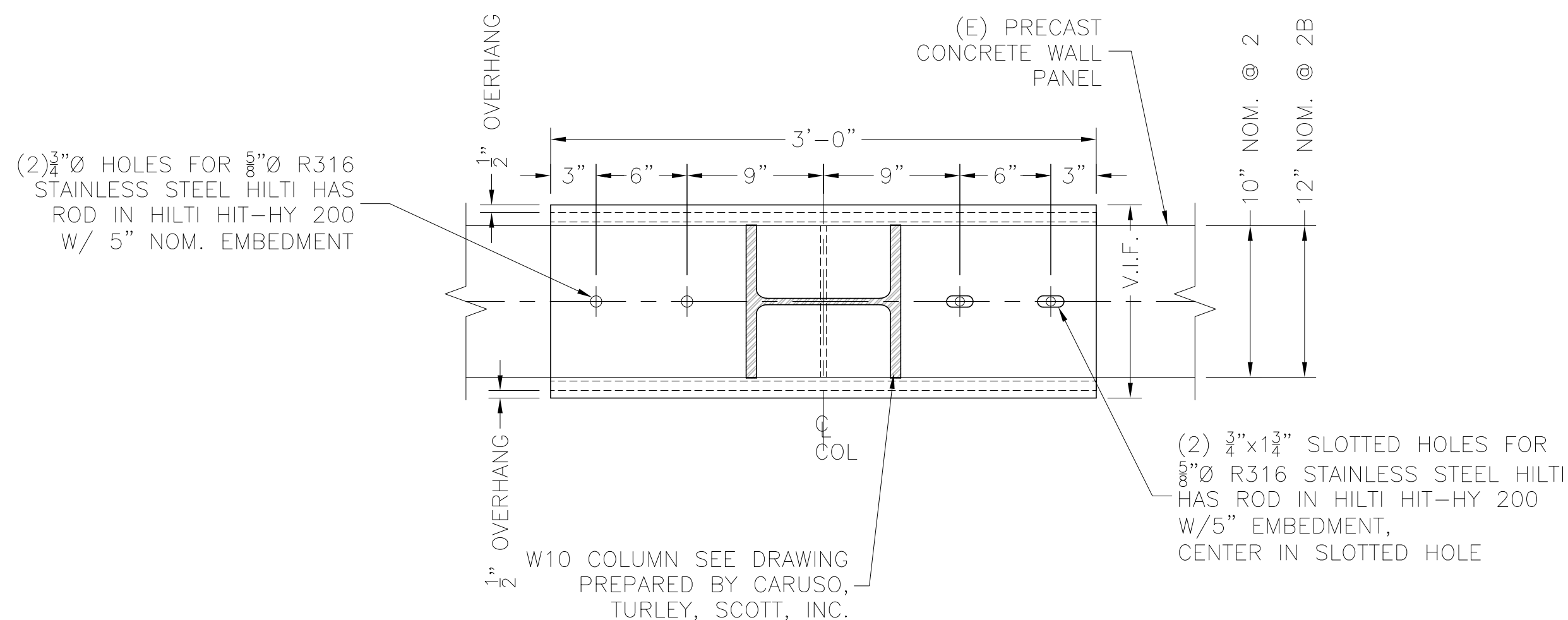
NOT FOR
CONSTRUCTION



SECTION

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

3




SECTION

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

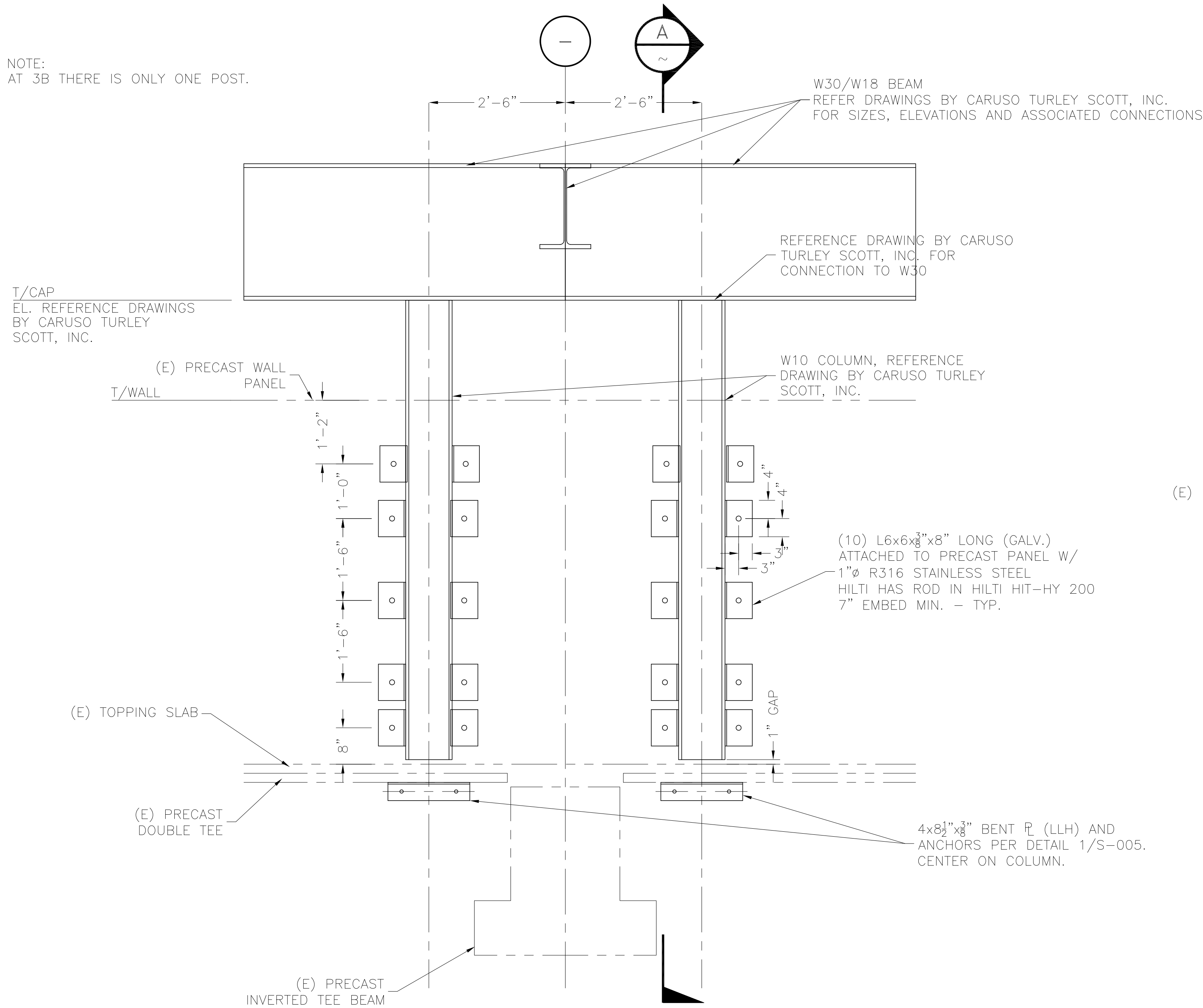
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P.E.
SEAL:

CORP. CERT. OF AUTHORITY #
E-2014009680

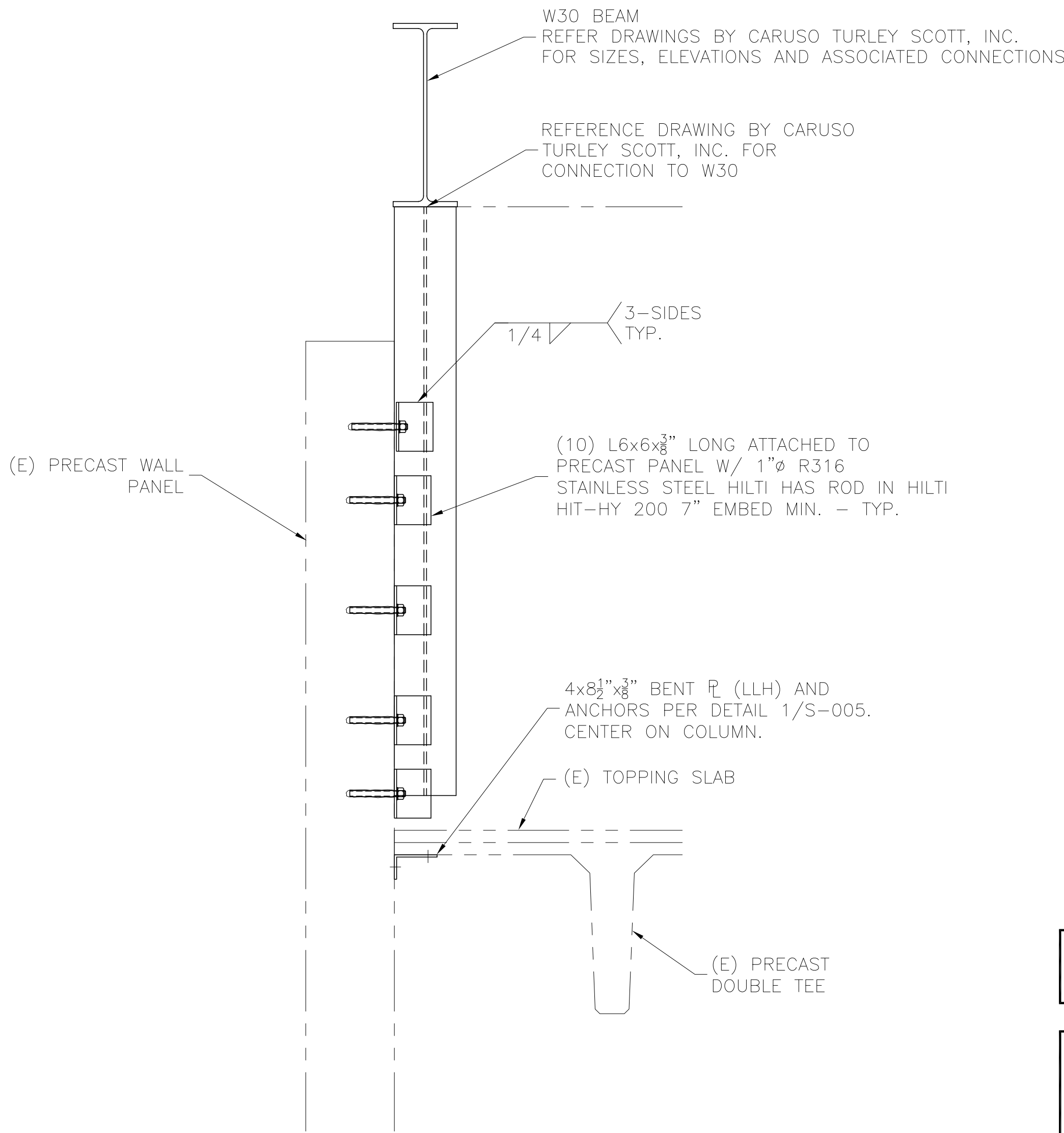
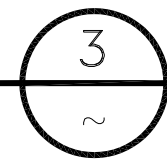
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A	11/30/18	ISSUED FOR REVIEW	JWO
REV.	DATE	DESCRIPTION	APP'D.
 <div>315 LEMAY FERRY RD. SUITE 129 SAINT LOUIS, MO. 63125 314-833-5610</div>			
CLIENT: DAY AND NIGHT SOLAR ST. LOUIS, MO 63110			
PROJECT: BJC CAMPUS PARKING SOLAR PROJECT 4456 DUNCAN AVENUE STRUCTURAL BASE CONNECTION TYPES 2 & 2B			
DRAWN: DD/AG/DC		DATE: 11/27/18	
SCALE: 3/4" = 1'-0"		STL PROJECT #: STL.18.1628	
CLIENT PROJECT #		DRAWING NUMBER #	REV. #
		1628-S-002	A

NOTE:
AT 3B THERE IS ONLY ONE POST.



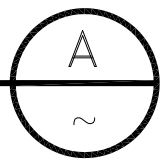
BASE CONNECTION TYPE 3 & 3B

SCALE: 3/4" = 1'-0"



SECTION AT TYPE 3 & 3B

SCALE: 3/4" = 1'-0"




NOTES:

1. SEE ROOF FRAMING PLAN PREPARED BY CARUSO TURLEY INC. FOR COLUMN LOCATIONS.
2. REFERENCE NOTES ON SHEET C-001 FOR ADDITIONAL INFORMATION.
3. LOCATE EXISTING REINFORCEMENT PRIOR TO FABRICATION AND ANCHOR INSTALLATION, DO NOT DAMAGE EXISTING REINFORCEMENT.

PRELIMINARY

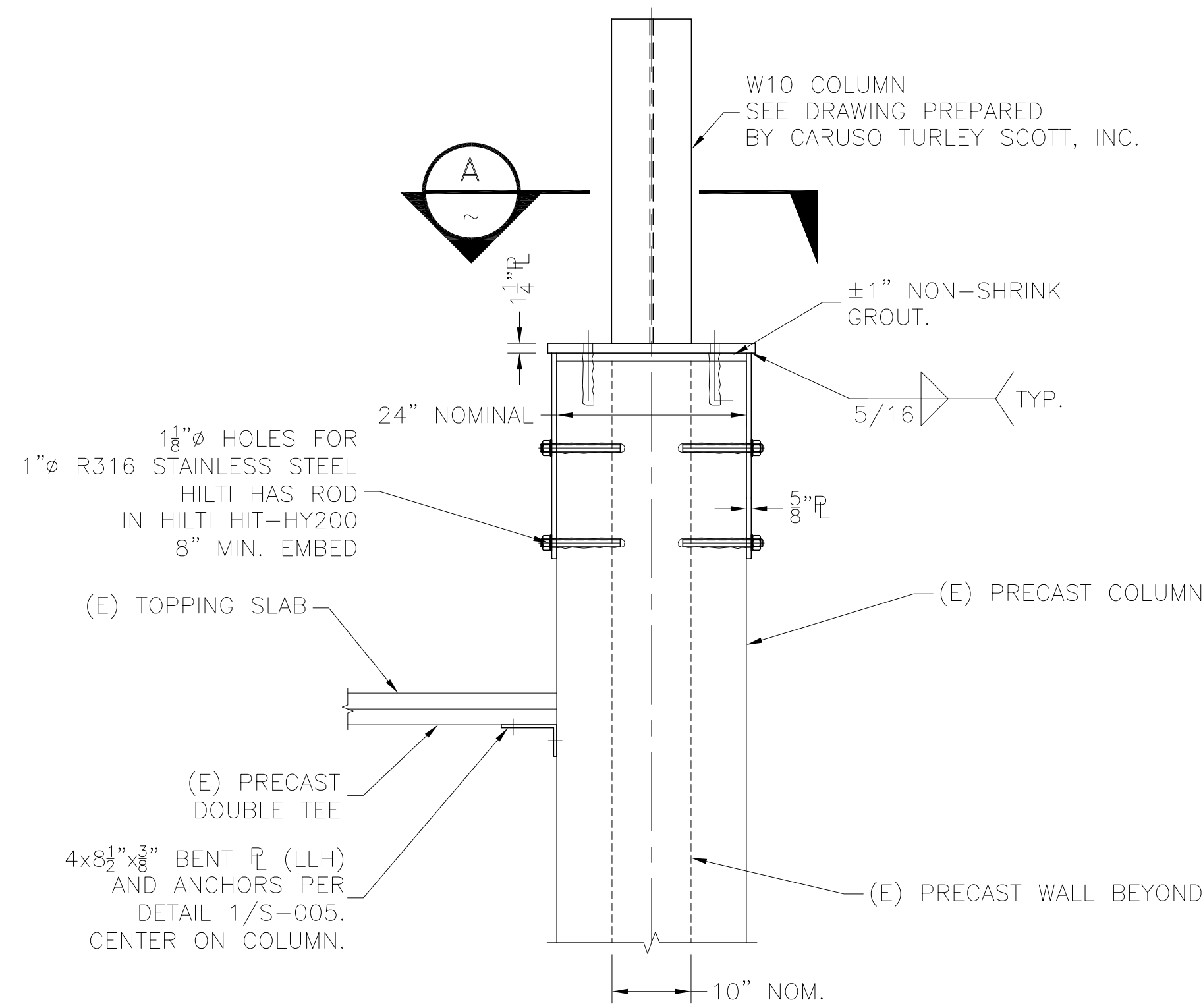
NOT FOR
CONSTRUCTION

C	12/07/18	RE-ISSUED FOR REVIEW	DEC
B	12/07/18	RE-ISSUED FOR REVIEW	JWO
A	11/30/18	ISSUED FOR REVIEW	JWO
REV.	DATE	DESCRIPTION	APP'D.
<div><div>315 LEMAY FERRY RD. SUITE 129 SAINT LOUIS, MO. 63125 314-833-5610</div><div>STL Engineering, LLC</div></div>			
CLIENT: DAY AND NIGHT SOLAR ST. LOUIS, MO 63110			
PROJECT: BJC CAMPUS PARKING SOLAR PROJECT 4456 DUNCAN AVENUE STRUCTURAL BASE CONNECTION TYPES 3 & 3B			
DRAWN: AG/DC		DATE: 11/27/18	
SCALE: 3/4" = 1'-0"		STL PROJECT #: STL.18.1628	
CLIENT PROJECT #		DRAWING NUMBER #	REV. #
		1628-S-003	C

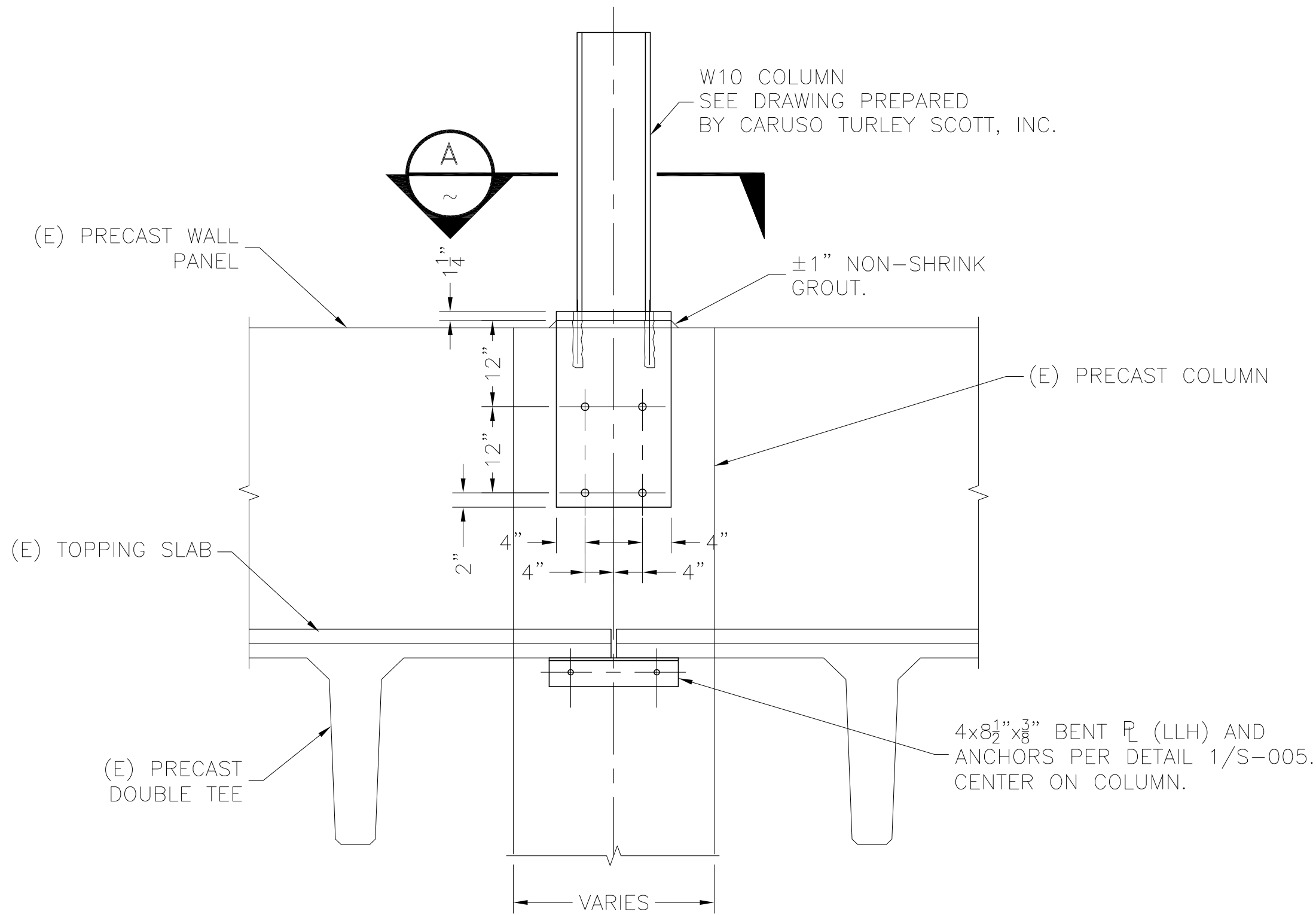
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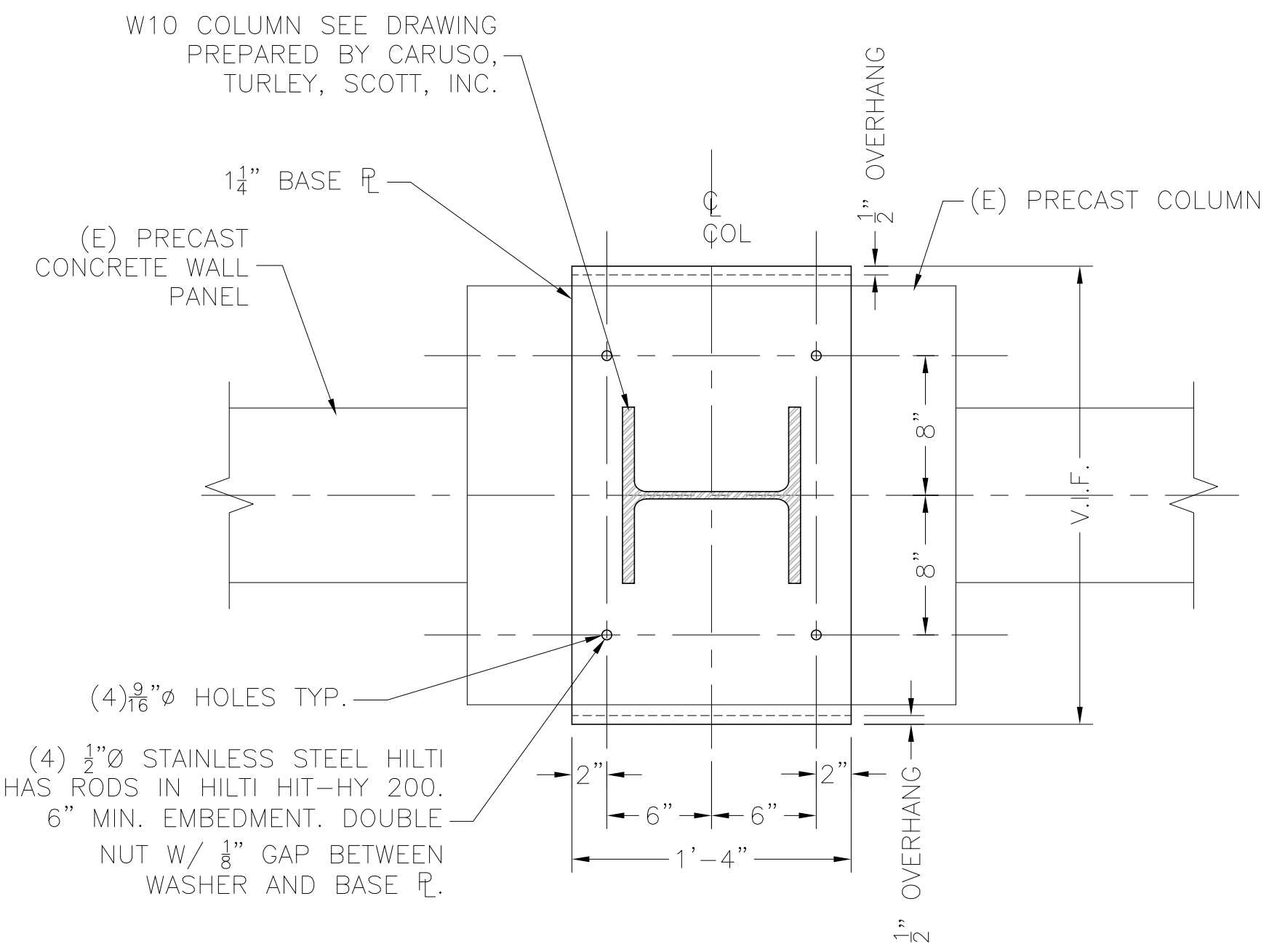
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E-2014009680



SECTION



ELEVATION



SECTION

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

BASE CONNECTION TYPE 4

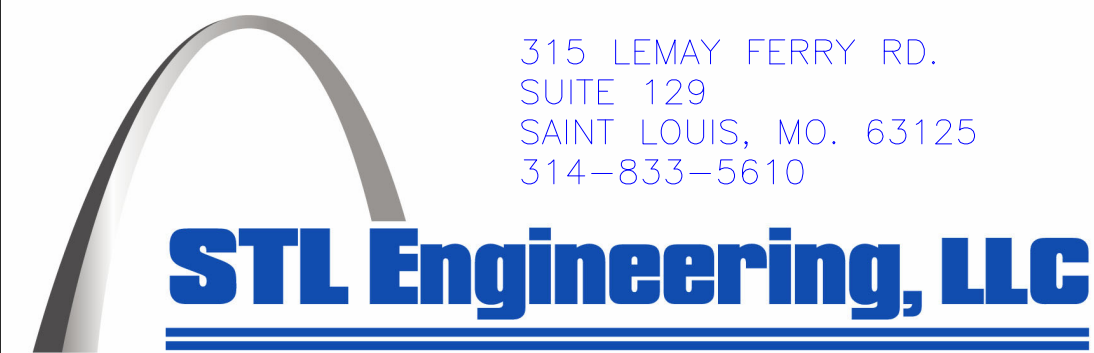
SCALE: 3/4" = 1'-0"

NOTES:

- SEE ROOF FRAMING PLAN PREPARED BY CARUSO TURLEY INC. FOR COLUMN LOCATIONS.
- REFERENCE NOTES ON SHEET C-001 FOR ADDITIONAL INFORMATION.
- LOCATE EXISTING REINFORCEMENT PRIOR TO FABRICATION AND ANCHOR INSTALLATION, DO NOT DAMAGE EXISTING REINFORCEMENT.

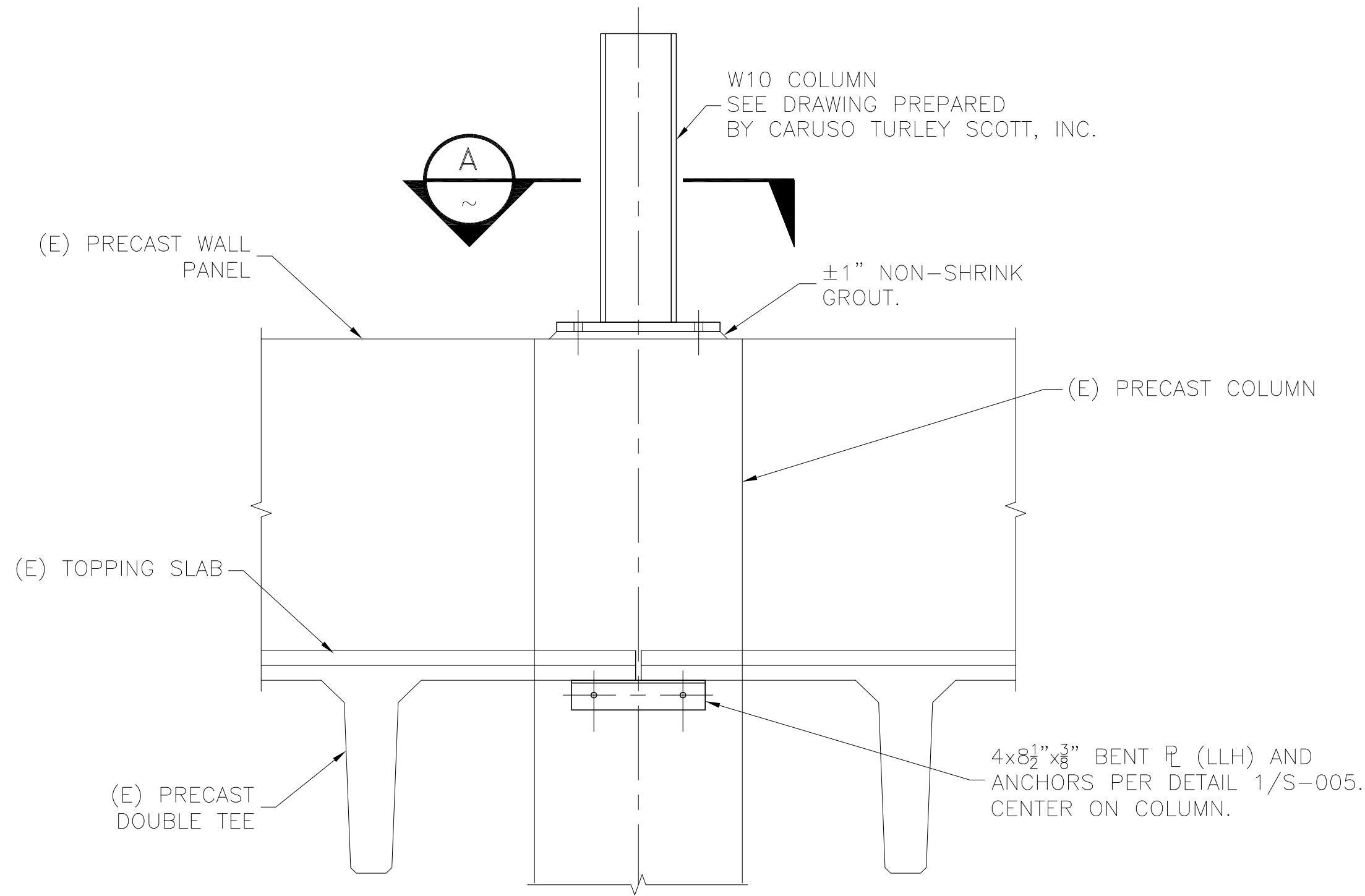
PRELIMINARY

NOT FOR
CONSTRUCTION



CLIENT:			
DAY AND NIGHT SOLAR ST. LOUIS, MO 63110			
PROJECT:			
BJC CAMPUS PARKING SOLAR PROJECT 4456 DUNCAN AVENUE STRUCTURAL BASE CONNECTION TYPE 4			
DRAWN: DD/AG/DC		DATE: 11/27/18	
SCALE: 3/4" = 1'-0"		STL PROJECT #: STL.18.1628	
CLIENT PROJECT #		DRAWING NUMBER #	REV. #
		1628-S-004	B

CORP. CERT. OF AUTHORITY #
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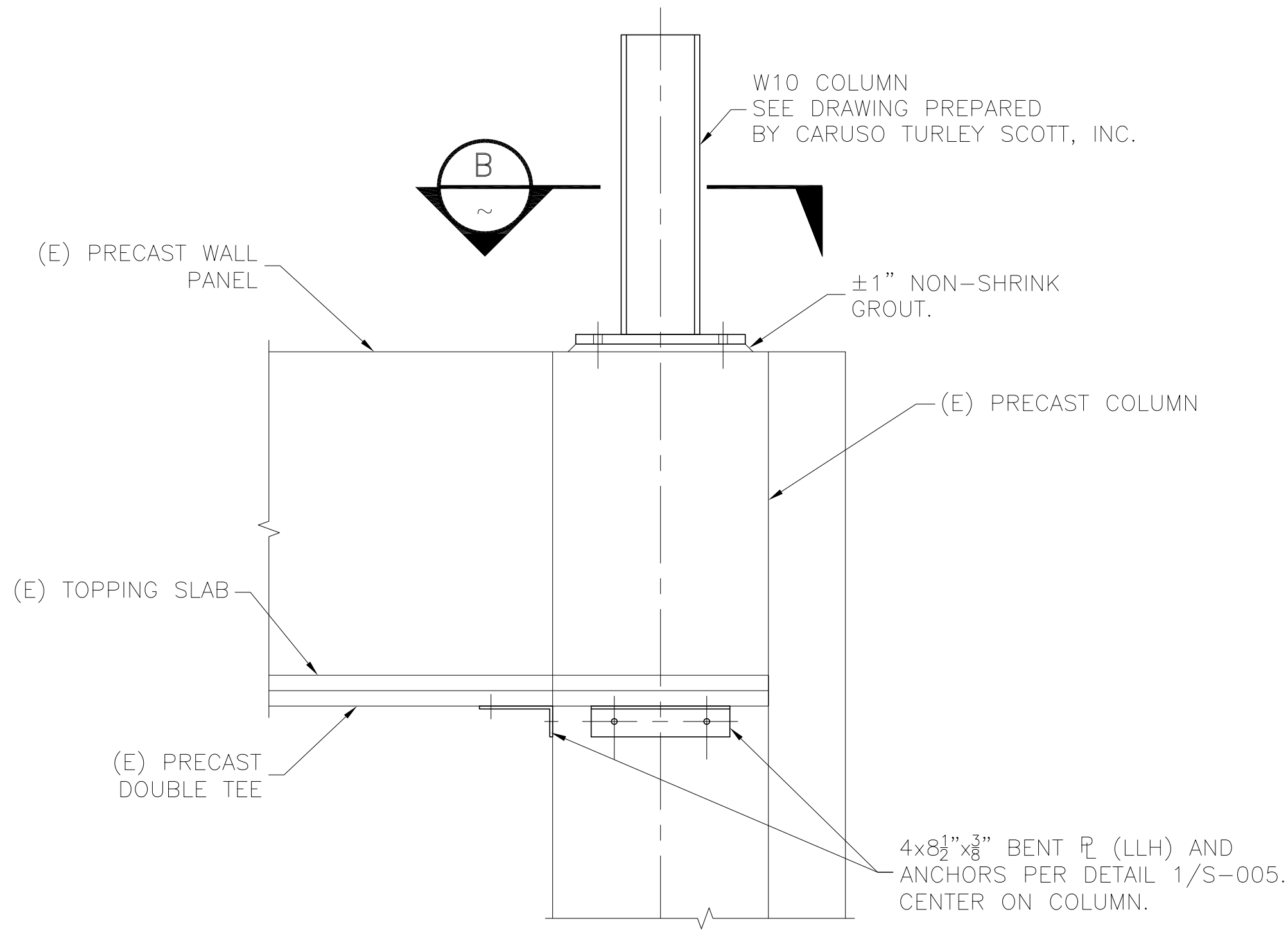


ELEVATION

BASE CONNECTION TYPE 5

SCALE: 3/4" = 1'-0"

2

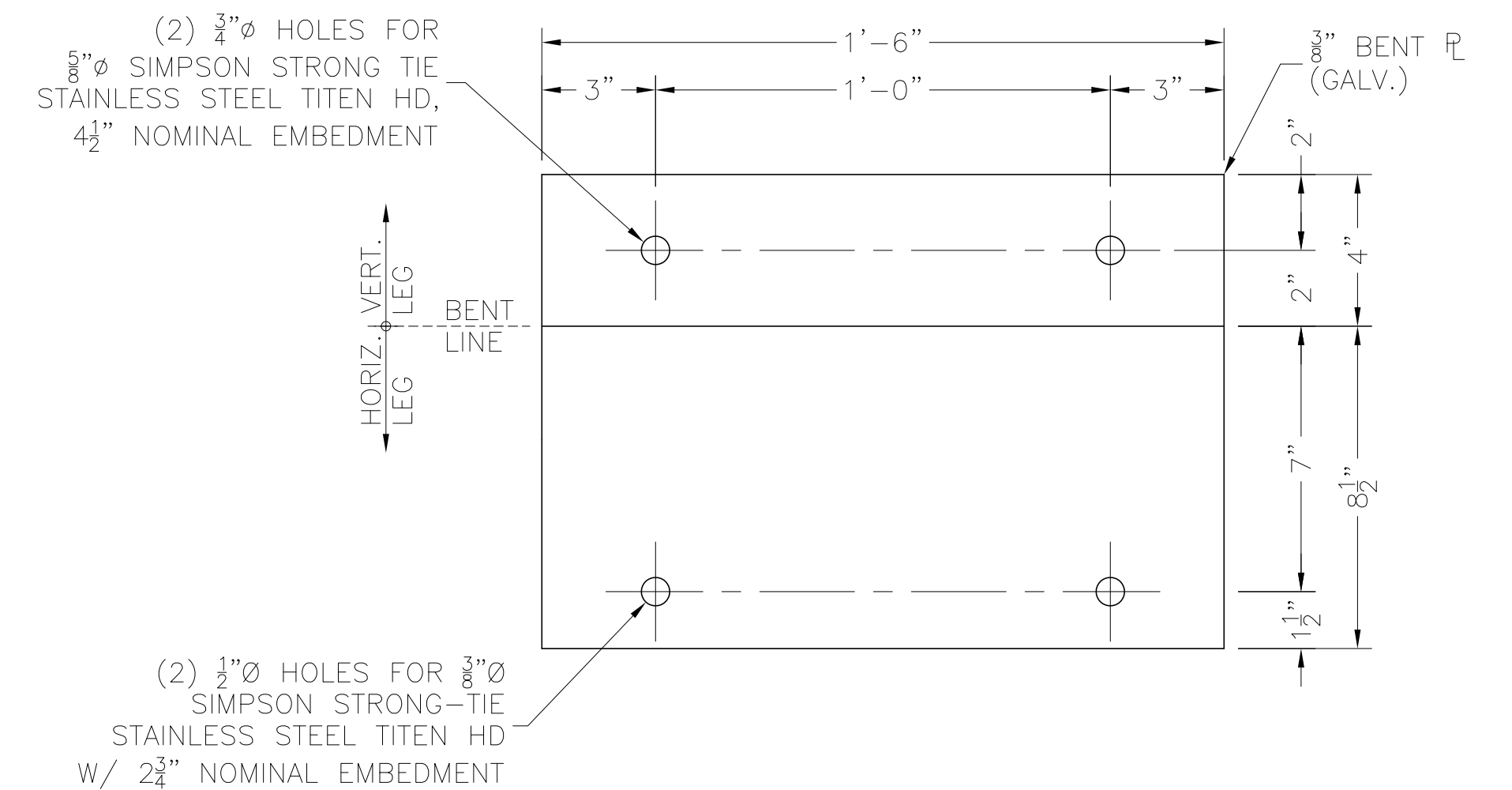


ELEVATION

BASE CONNECTION TYPE 6

SCALE: 3/4" = 1'-0"

3



DETAIL

SCALE: 3" = 1'-0"

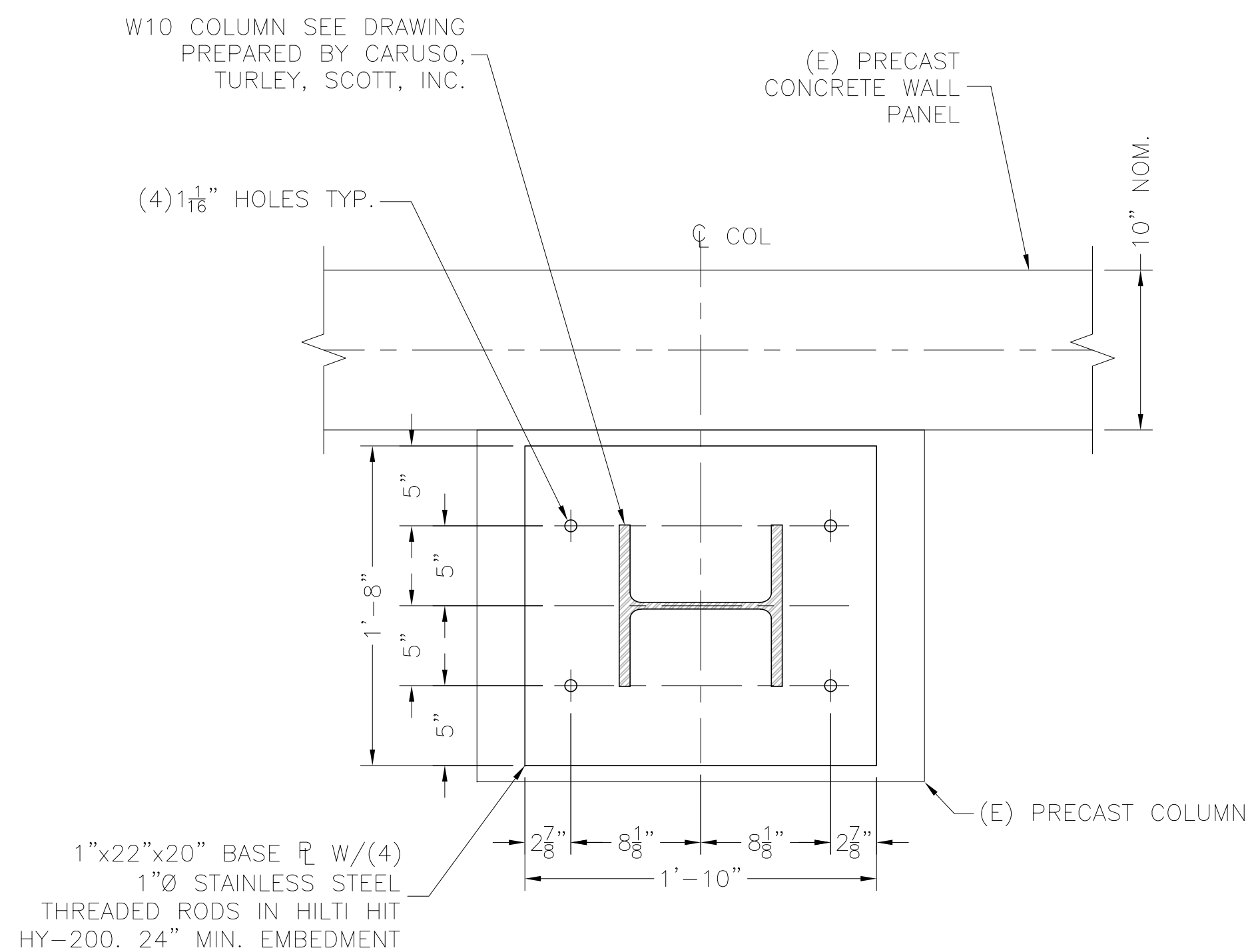
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NOTES:

- SEE ROOF FRAMING PLAN PREPARED BY CARUSO TURLEY INC. FOR COLUMN LOCATIONS.
- REFERENCE NOTES ON SHEET C-001 FOR ADDITIONAL INFORMATION.
- LOCATE EXISTING REINFORCEMENT PRIOR TO FABRICATION AND ANCHOR INSTALLATION, DO NOT DAMAGE EXISTING REINFORCEMENT.

PRELIMINARY

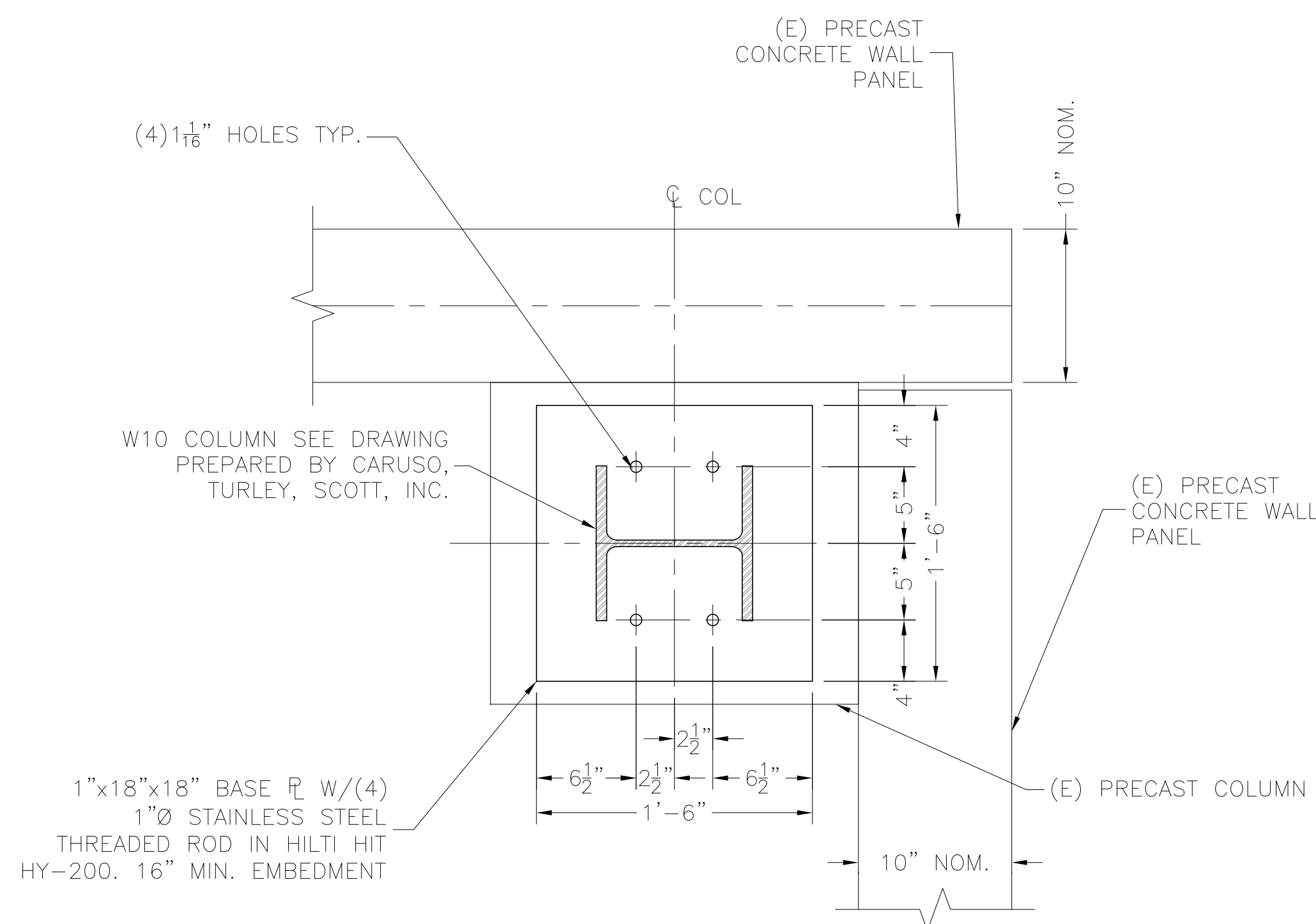
NOT FOR
CONSTRUCTION



SECTION

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

A




SECTION

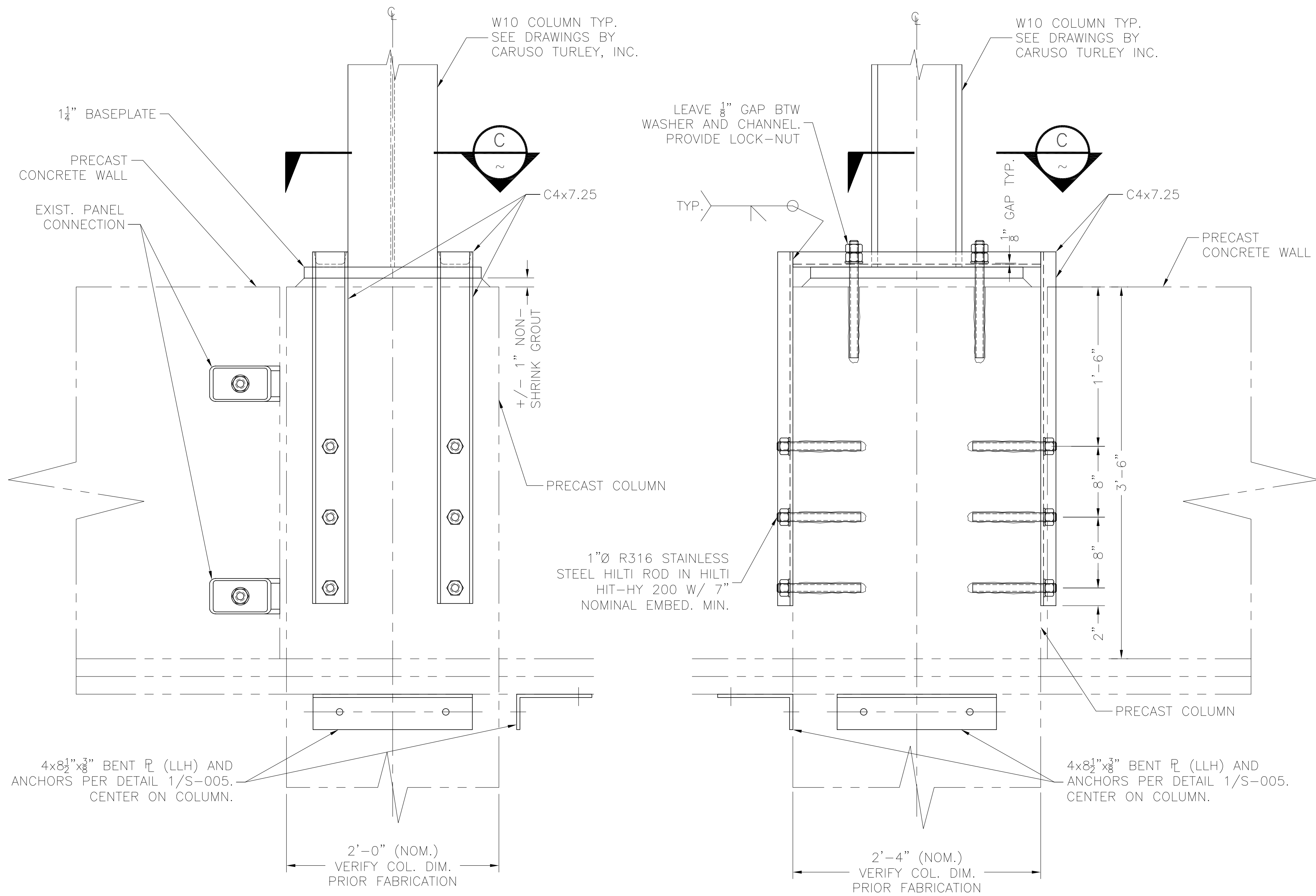
SCALE: 1 1/2" = 1'-0"

B

P.E.
SEAL:

CORP. CERT. OF AUTHORITY #
E-2014009680

B	12/07/18	RE-ISSUED FOR REVIEW	JWO
A	11/30/18	ISSUED FOR REVIEW	JWO
REV.	DATE	DESCRIPTION	APP'D.
 <div> 315 LEMAY FERRY RD. SUITE 129 SAINT LOUIS, MO. 63125 314-833-5610 </div>			
CLIENT: DAY AND NIGHT SOLAR ST. LOUIS, MO 63110			
PROJECT: BJC CAMPUS PARKING SOLAR PROJECT 4456 DUNCAN AVENUE STRUCTURAL BASE CONNECTION TYPES 5 & 6			
DRAWN: DD/AG/DC		DATE: 11/27/18	
SCALE: 3/4" = 1'-0"		STL PROJECT #: STL.18.1628	
CLIENT PROJECT #		DRAWING NUMBER #	REV. #
		1628-S-005	B

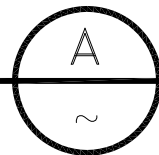


4x8 1/2"x8" BENT PL (LLH) AND ANCHORS PER DETAIL 1/S-005. CENTER ON COLUMN.

2'-0" (NOM.)
VERIFY COL. DIM.
PRIOR FABRICATION

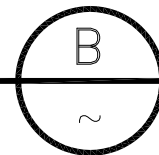
SECTION

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



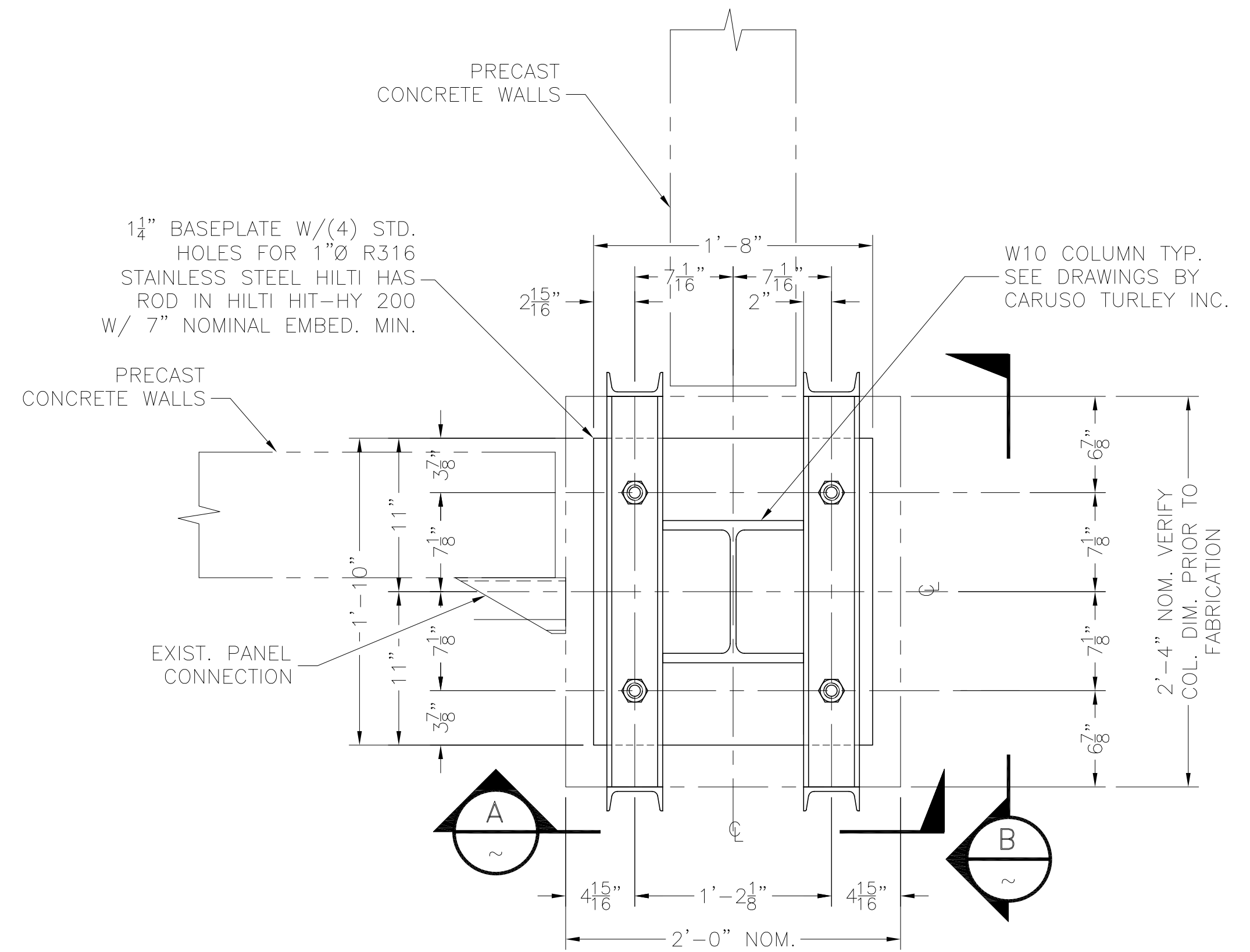
SECTION

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



4x8 1/2"x8" BENT PL (LLH) AND ANCHORS PER DETAIL 1/S-005. CENTER ON COLUMN.

2'-4" (NOM.)
VERIFY COL. DIM.
PRIOR FABRICATION



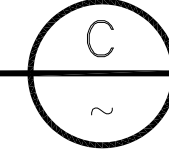
1 1/4" BASEPLATE W/(4) STD. HOLES FOR 1"Ø R316 STAINLESS STEEL HILTI HAS ROD IN HILTI HIT-HY 200 W/ 7" NOMINAL EMBED. MIN.

W10 COLUMN TYP. SEE DRAWINGS BY CARUSO TURLEY INC.

2'-4" NOM. VERIFY COL. DIM. PRIOR TO FABRICATION

SECTION

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

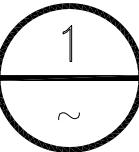


PRELIMINARY

NOT FOR
CONSTRUCTION

BASE CONNECTION TYPE 7

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




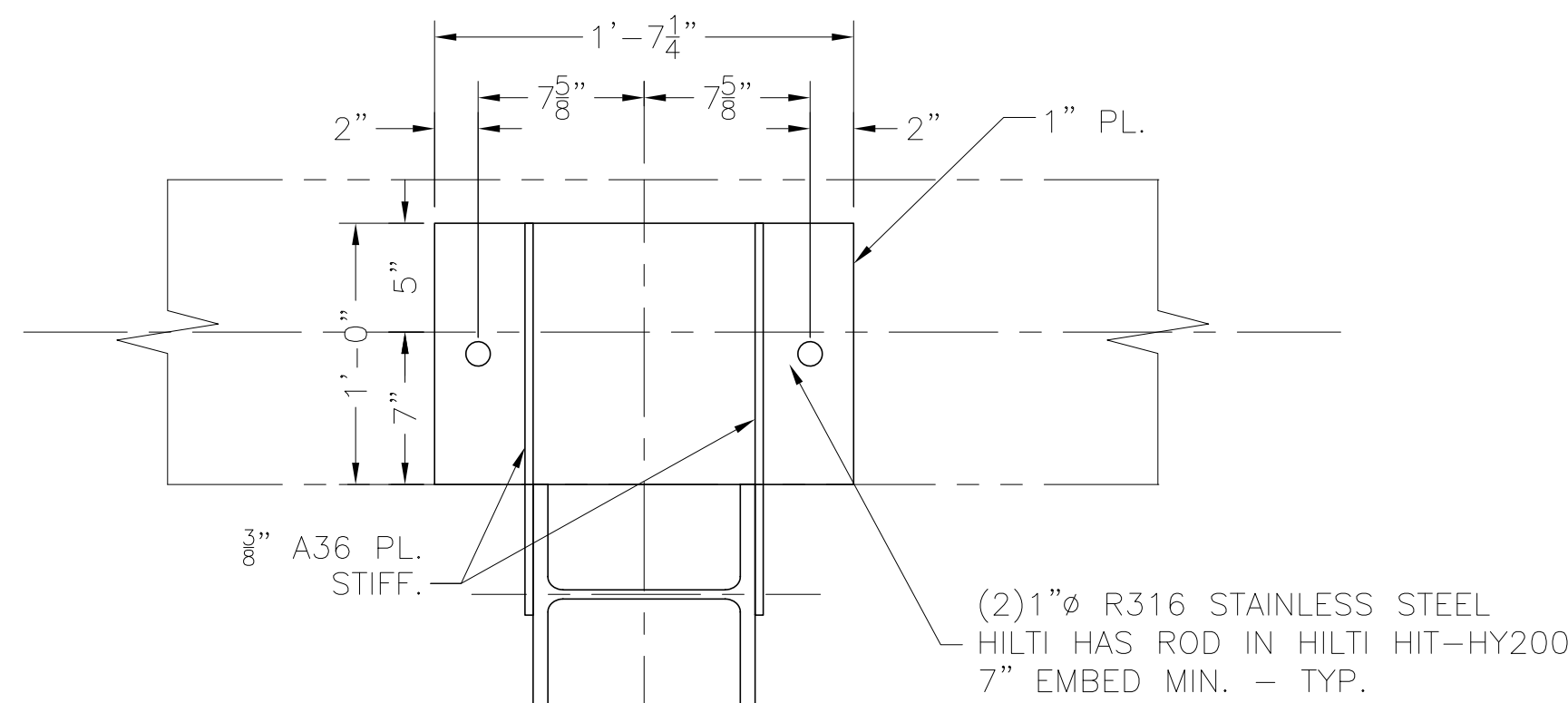
NOTES:

1. SEE ROOF FRAMING PLAN PREPARED BY CARUSO TURLEY INC. FOR COLUMN LOCATIONS.
2. REFERENCE NOTES ON SHEET C-001 FOR ADDITIONAL INFORMATION.
3. LOCATE EXISTING REINFORCEMENT PRIOR TO FABRICATION AND ANCHOR INSTALLATION, DO NOT DAMAGE EXISTING REINFORCEMENT.

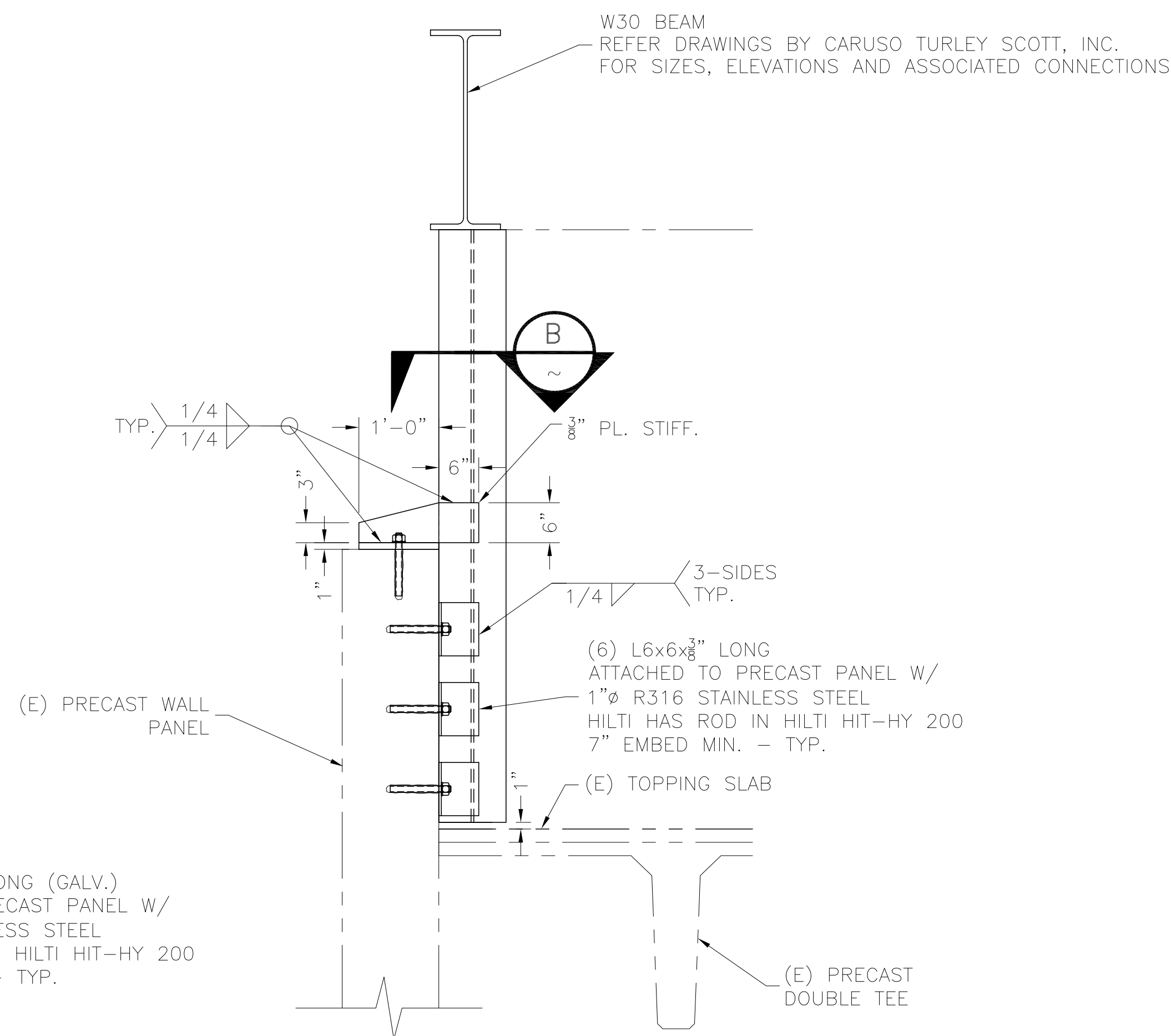
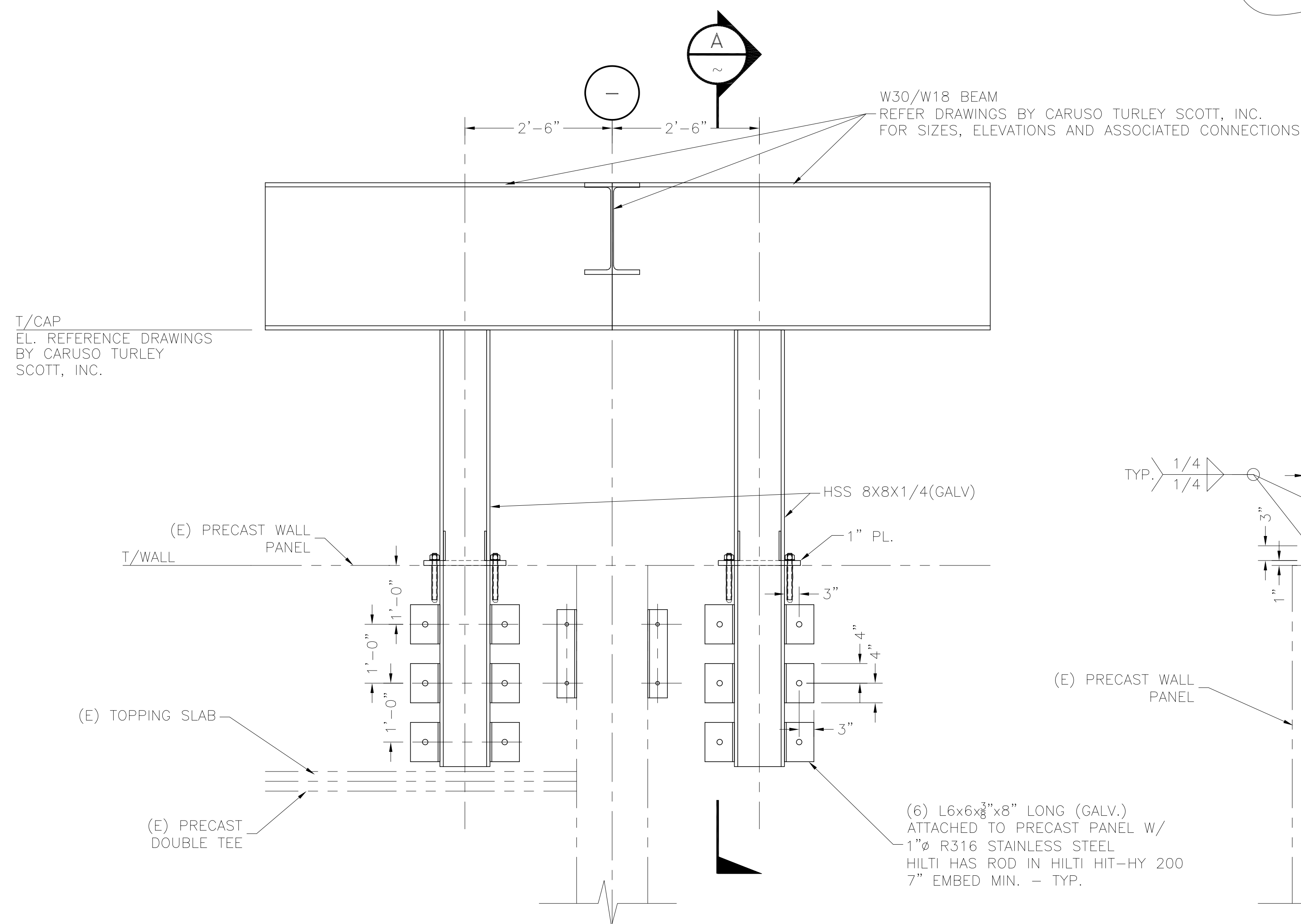
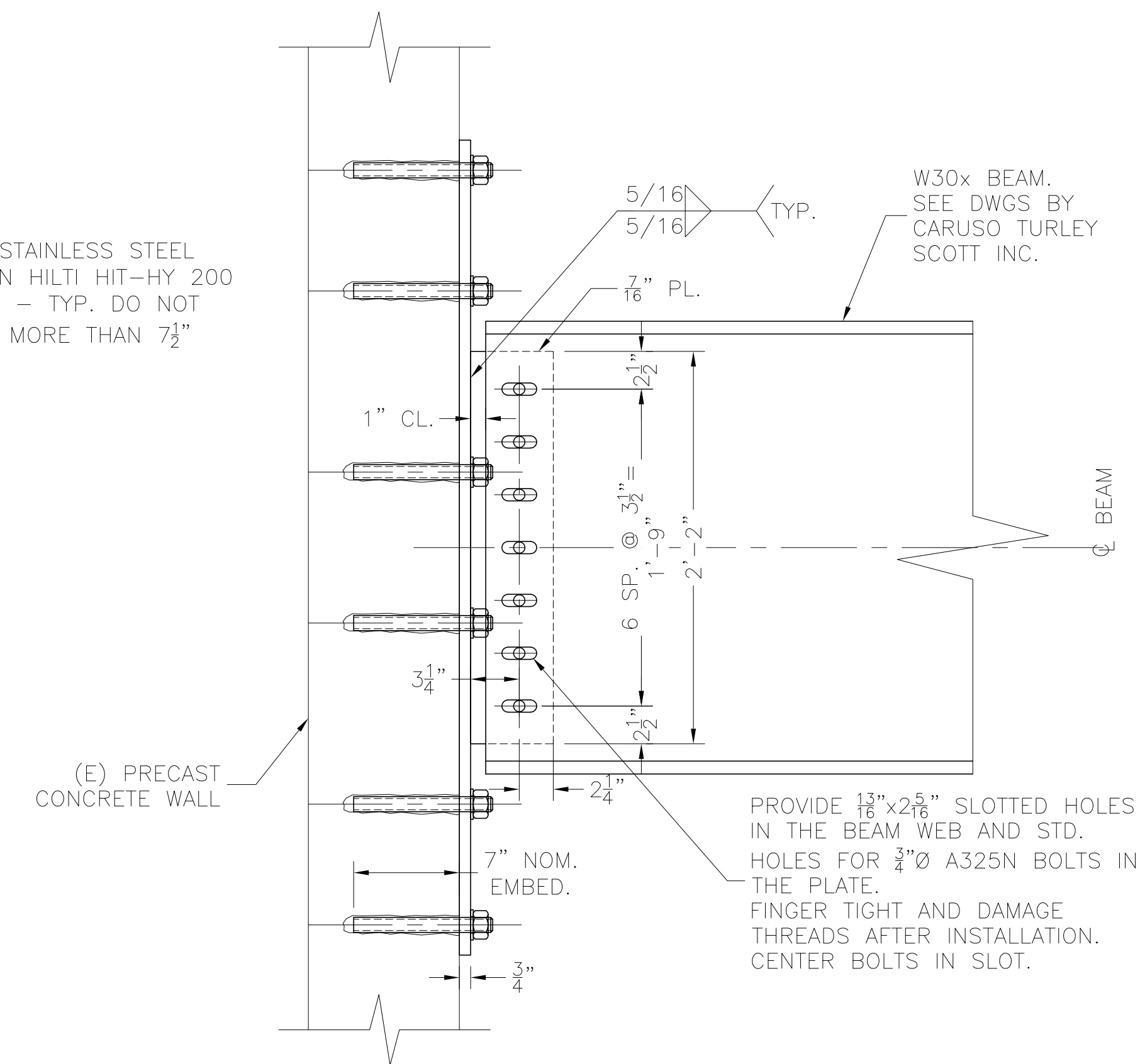
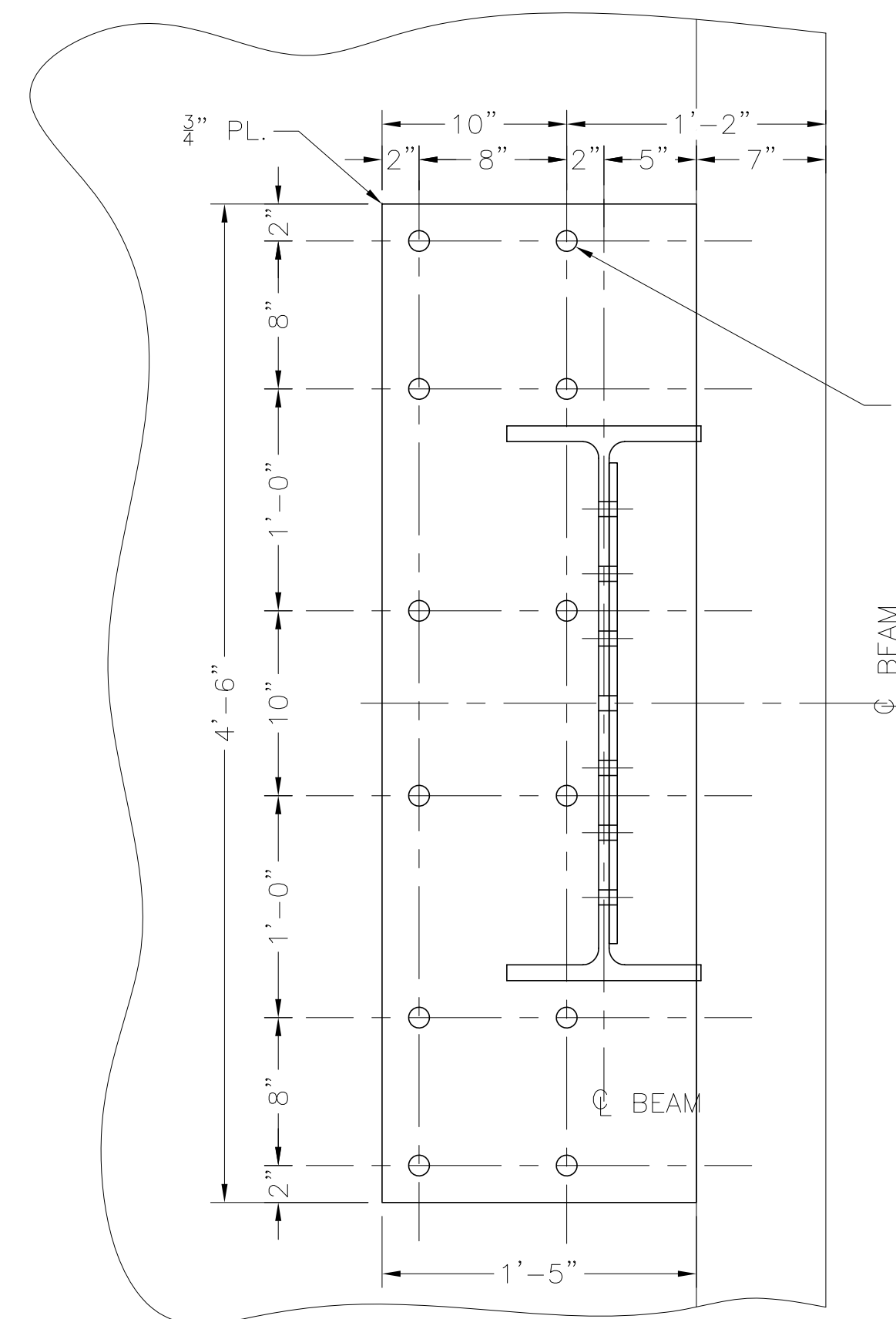
P.E.
SEAL:

CORP. CERT. OF AUTHORITY #
E-2014009680

A	12/07/18	ISSUED FOR REVIEW	JWO
REV.	DATE	DESCRIPTION	APP'D.
 <div>315 LEMAY FERRY RD. SUITE 129 SAINT LOUIS, MO. 63125 314-833-5610</div>			
CLIENT: DAY AND NIGHT SOLAR ST. LOUIS, MO 63110			
PROJECT: BJC CAMPUS PARKING SOLAR PROJECT 4456 DUNCAN AVENUE STRUCTURAL BASE CONNECTION TYPE 7			
DRAWN: DD/AG/DC		DATE: 12/05/18	
SCALE: 1-1/2" = 1'-0"		STL PROJECT #: STL.18.1628	
CLIENT PROJECT #		DRAWING NUMBER #	REV. #
		1628-S-006	A



- NOTES:
- SEE ROOF FRAMING PLAN PREPARED BY CARUSO TURLEY INC. FOR COLUMN LOCATIONS.
 - REFERENCE NOTES ON SHEET C-001 FOR ADDITIONAL INFORMATION.
 - LOCATE EXISTING REINFORCEMENT PRIOR FABRICATION AND TO ANCHOR INSTALLATION, DO NOT DAMAGE EXISTING REINFORCEMENT.



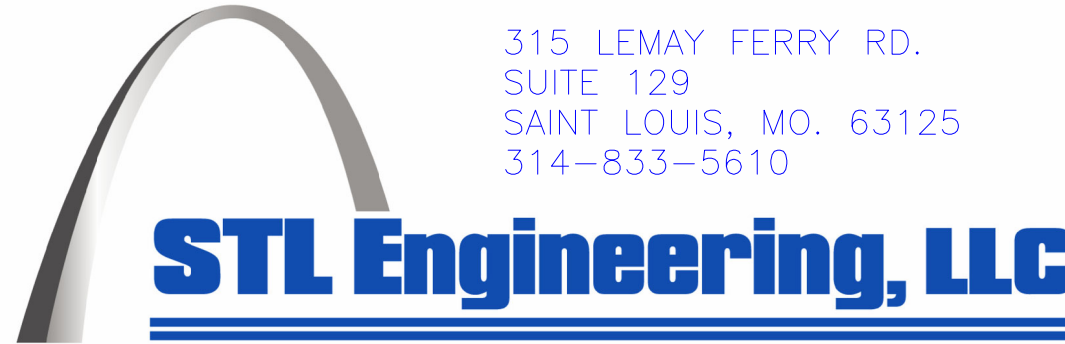
BASE CONNECTION TYPE 8

SCALE: 3/4" = 1'-0"

1

PRELIMINARY

NOT FOR CONSTRUCTION

B	12/7/18	RE-ISSUED FOR REVIEW	
A	12/07/18	ISSUED FOR REVIEW	JWO
REV.	DATE	DESCRIPTION	APP'D.
 <p>315 LEMAY FERRY RD. SUITE 129 SAINT LOUIS, MO. 63125 314-833-5610</p>			
<p>CLIENT: DAY AND NIGHT SOLAR ST. LOUIS, MO 63110</p>			
<p>PROJECT: BJC CAMPUS PARKING SOLAR PROJECT 4456 DUNCAN AVENUE STRUCTURAL BASE CONNECTION TYPES 8 & 9</p>			
DRAWN: DD/AG/DC		DATE: 11/27/18	
SCALE: 3/4" = 1'-0"		STL PROJECT #: STL.18.1628	
CLIENT PROJECT #		DRAWING NUMBER #	REV. #
		1628-S-007	B

CORP. CERT. OF AUTHORITY #
E-2014009680