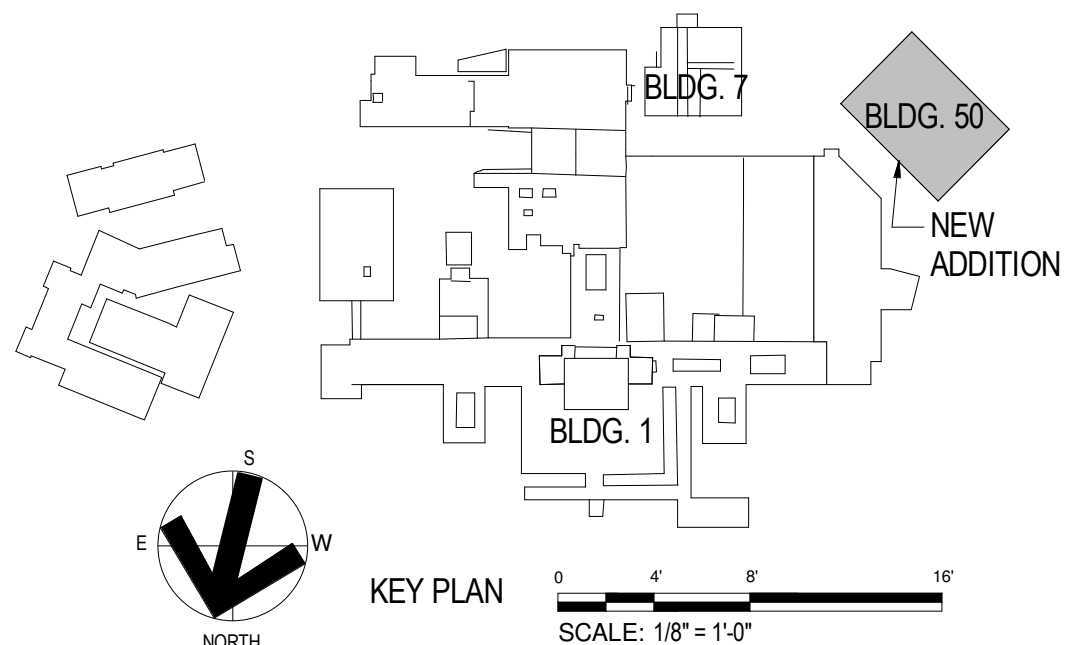


SHEET NOTES :

1. SEE SHEET 50-S1 FOR STRUCTURAL GENERAL NOTES.
2. TOP OF CONCRETE EL. = 28'-0", UNO.
3. 5 1/2" COMPOSITE SLAB - 2", 18 GA COMPOSITE METAL DECK (GALV) + 3 1/2" NORMAL WEIGHT CONCRETE w/ 6x6 - W2.9xW2.9 WWF (FLAT SHEETS)
SEE COMPOSITE COMPOSITE BEAM CRITERIA ON 50-S18 FOR ADDITIONAL REINFORCING OVER BEAMS.
4. TOP OF STEEL EL. = 27'-6 1/2", UNO.
5. 3/4" SLAB RECESS. SEE DETAIL 12/50/S18.

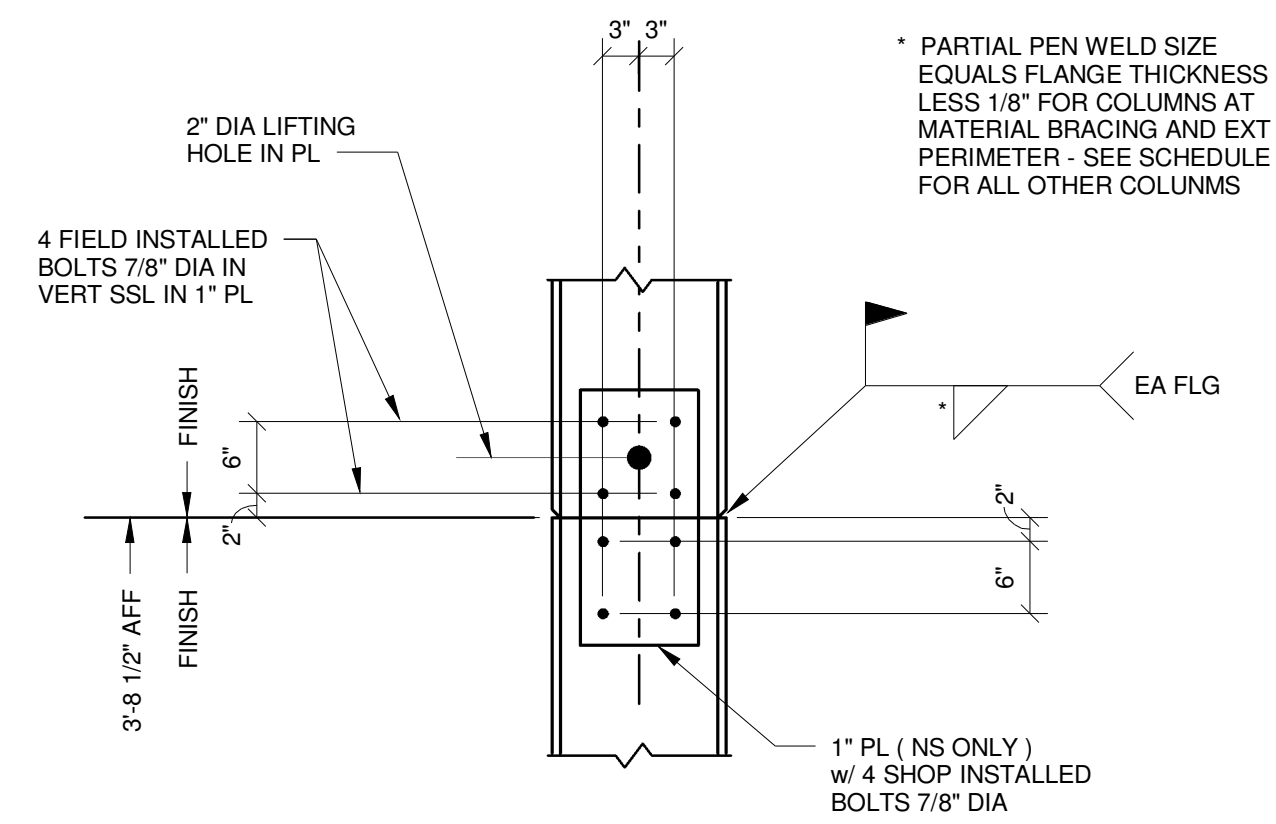


SHEET NOTES :

1. SEE SHEET 50-S1 FOR STRUCTURAL GENERAL NOTES.
2. TOP OF STEEL EL = 37'-4 1/2".
3. 1 1/2" x 18 GA TYPE "B" ROOF DECK (GALV) ATTACH DECK TO SUPPORTS WITH 5/8" PUDDLE WELDS WITH A 36/7 PATTERN. FASTEN SIDELAPS WITH #10 TEK SCREWS @ 12" OC.

CONSULTANTS:		ARCHITECT/ENGINEERS:		Drawing Title		Project Title		Building No.		Office of Construction and Facilities Management	
		<div><div><div>HEERY</div><div>design</div></div><div>Heery International Inc. 125 South Dubuque Street, Suite 500, Iowa City, IA 52240-4003 319.354.4700</div></div>		LEVEL 3 ROOF FRAMING PLAN & STAIR ROOF FRAMING PLAN		CONSTRUCT SPECIALTY CLINICS ADDITION		BLDG 50			
				project number HII-1125509				Project No. VA# 636-315			
				CONSTRUCTION DOCUMENTS		Location		DRAWING NO.		VA U.S. Department of Veterans Affairs	
				FULLY SPRINKLERED		Date 09/25/2015		Checked CGT			
								50-S8 Dwg. 25 of 150			

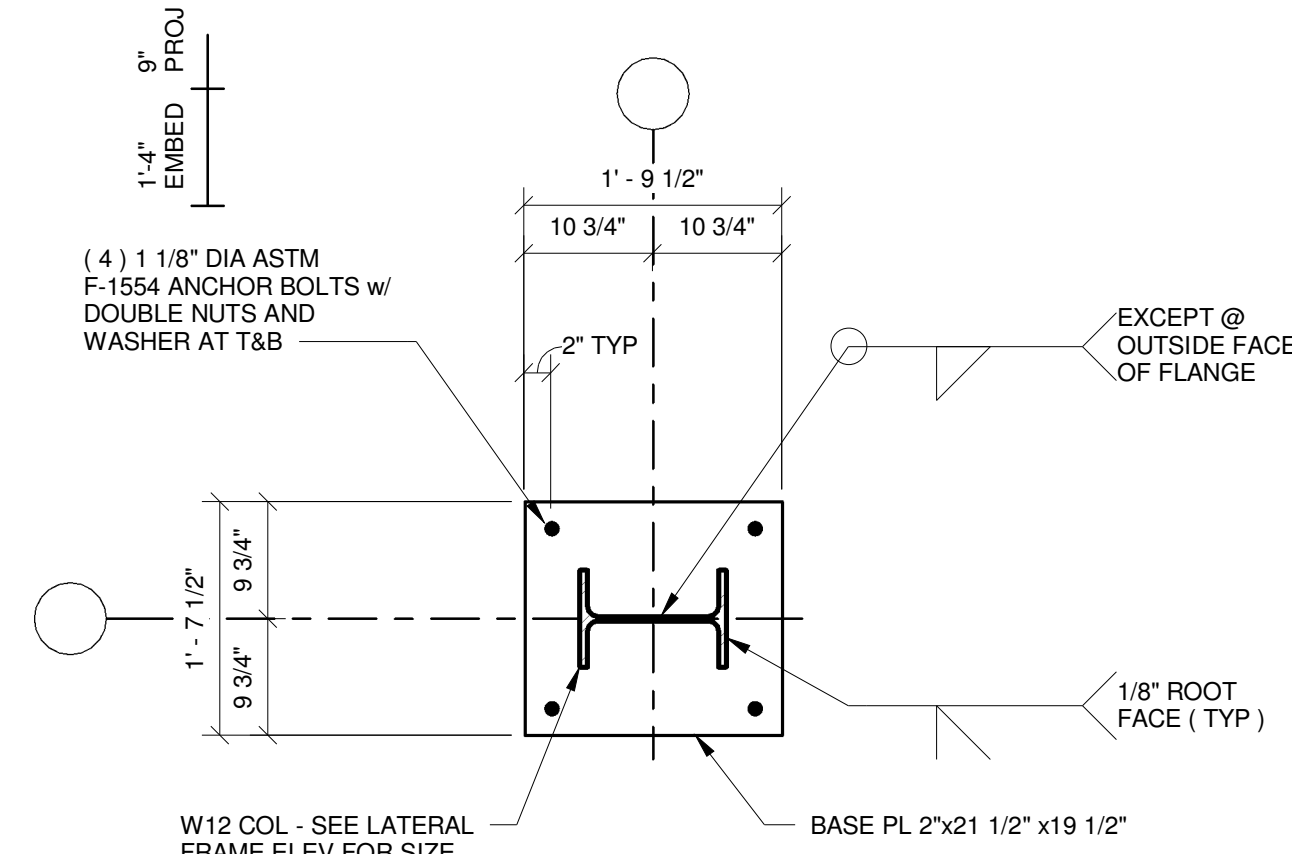
PARTIAL PEN WELD SIZE	
MAX FLG THICKNESS	EFF THROAT
LESS THAN 1"	FLG THICKNESS - 1/8"
1" TO 2"	7/8"
2" TO 3"	1"



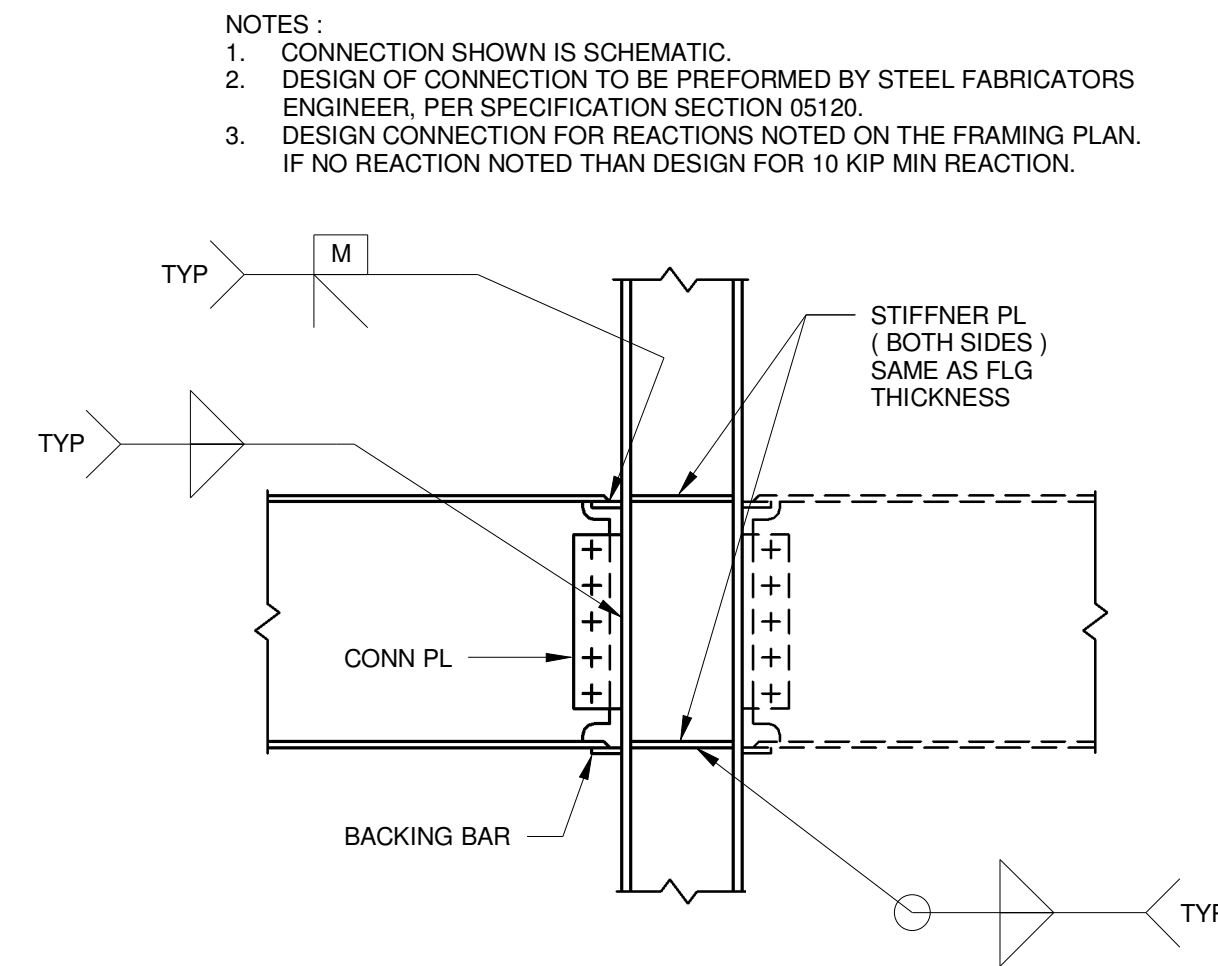
1

TYP WIDE FLANGE COLUMN SPLICE AT
COLUMNS AT LATERAL FRAME

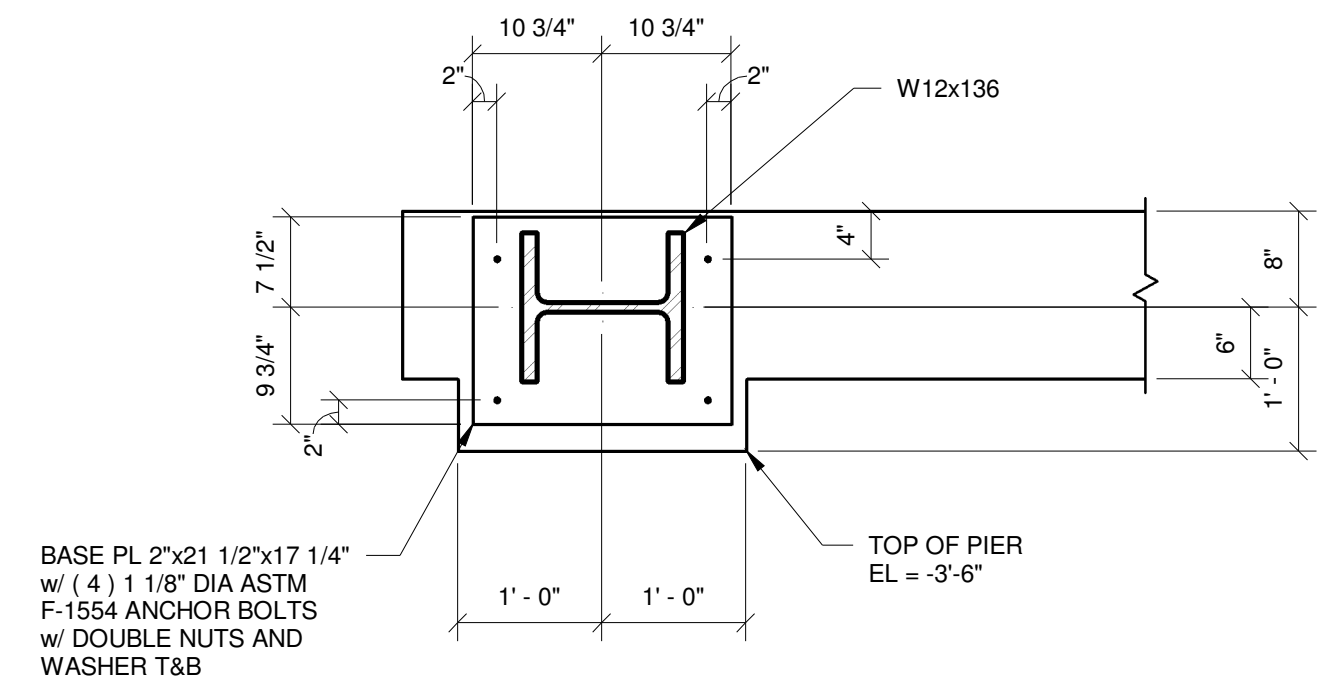
NOT TO SCALE



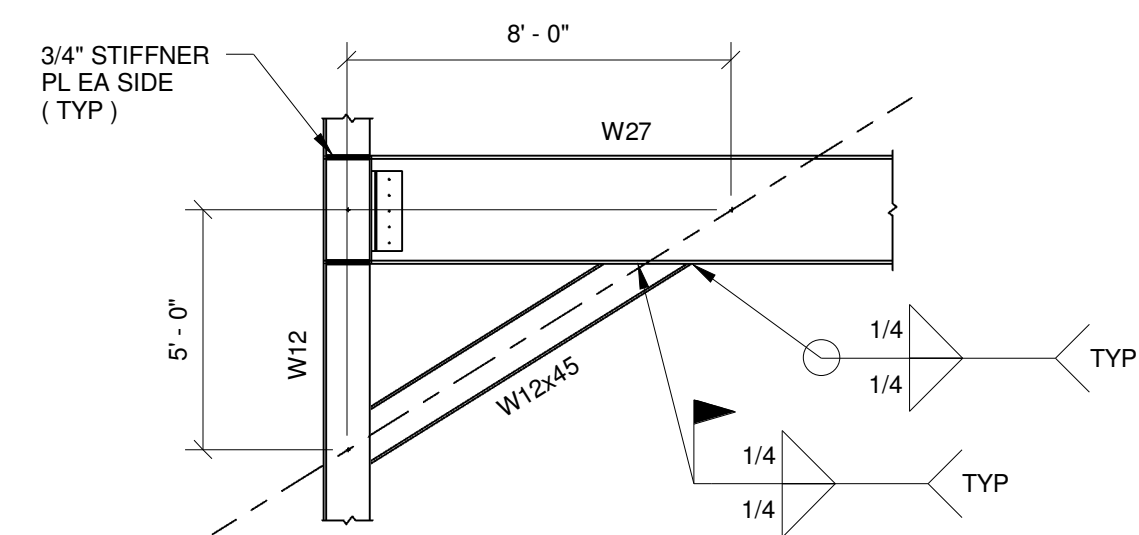
2 TYP ANCHOR BOLT AT LATERAL FRAME
NOT TO SCALE



3 TYP BEAM MOMENT CONNECTION AT WIDE FLANGE COLUMN
NOT TO SCALE



4 COLUMN BASE PLATE AT A-1.1
3/4" = 1'-0"



5 BRACE CONNECTION DETAIL

[illegible]

CONSULTANTS:

ARCHITECT/ENGINEERS:



Heery International Inc.
125 South Dubuque Street,
Suite 500,
Iowa City, IA 52240-4003
319.354.4700

project number
HII-1125509

Drawing Title

LATERAL FRAME DETAILS

CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title	CONSTRUCT SPECIALTY CLINICS ADDITION
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Location	ICVA HEALTH CARE SYSTEM
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Date
09/25/2015

Checked	CGT
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Drawn
NDS

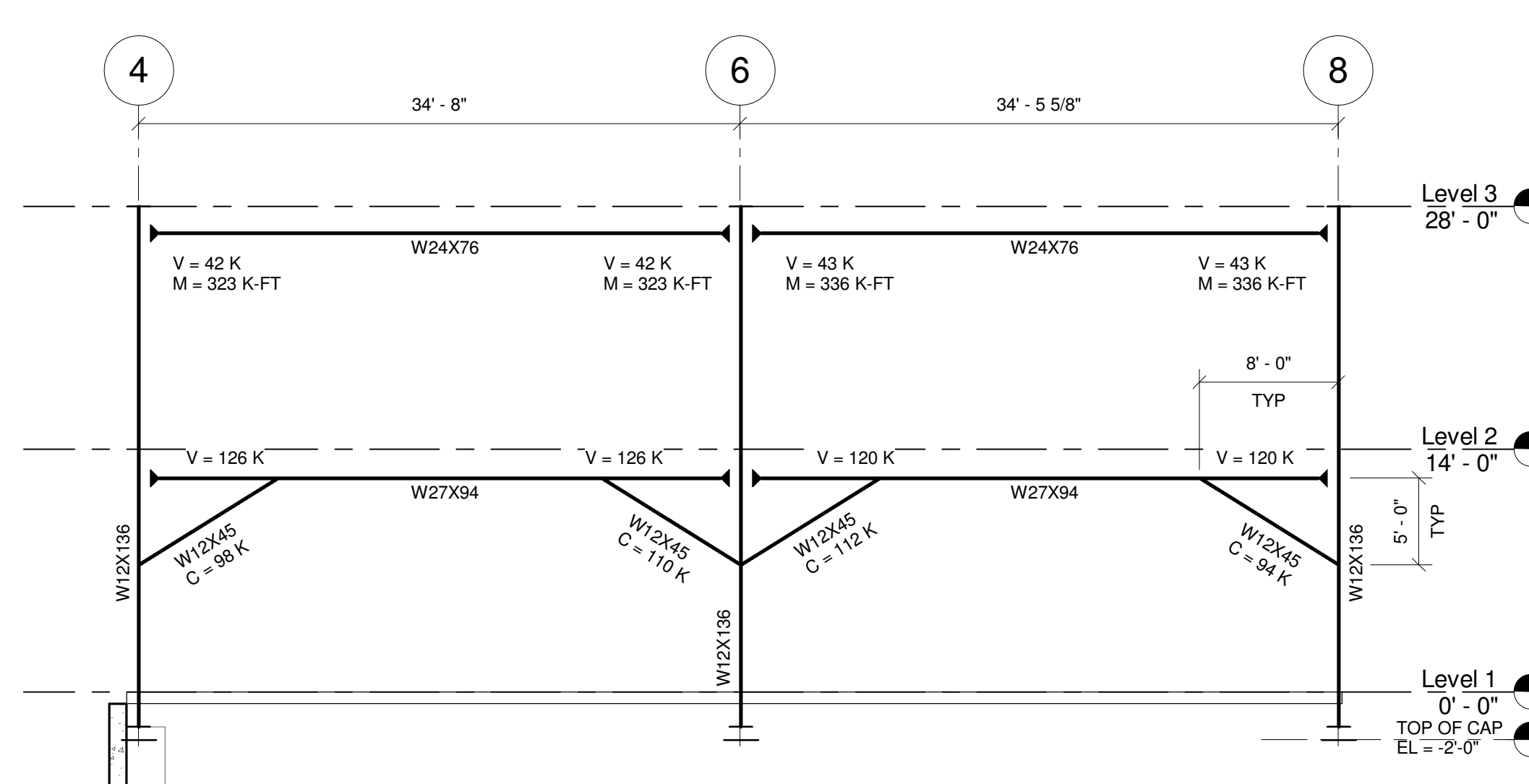
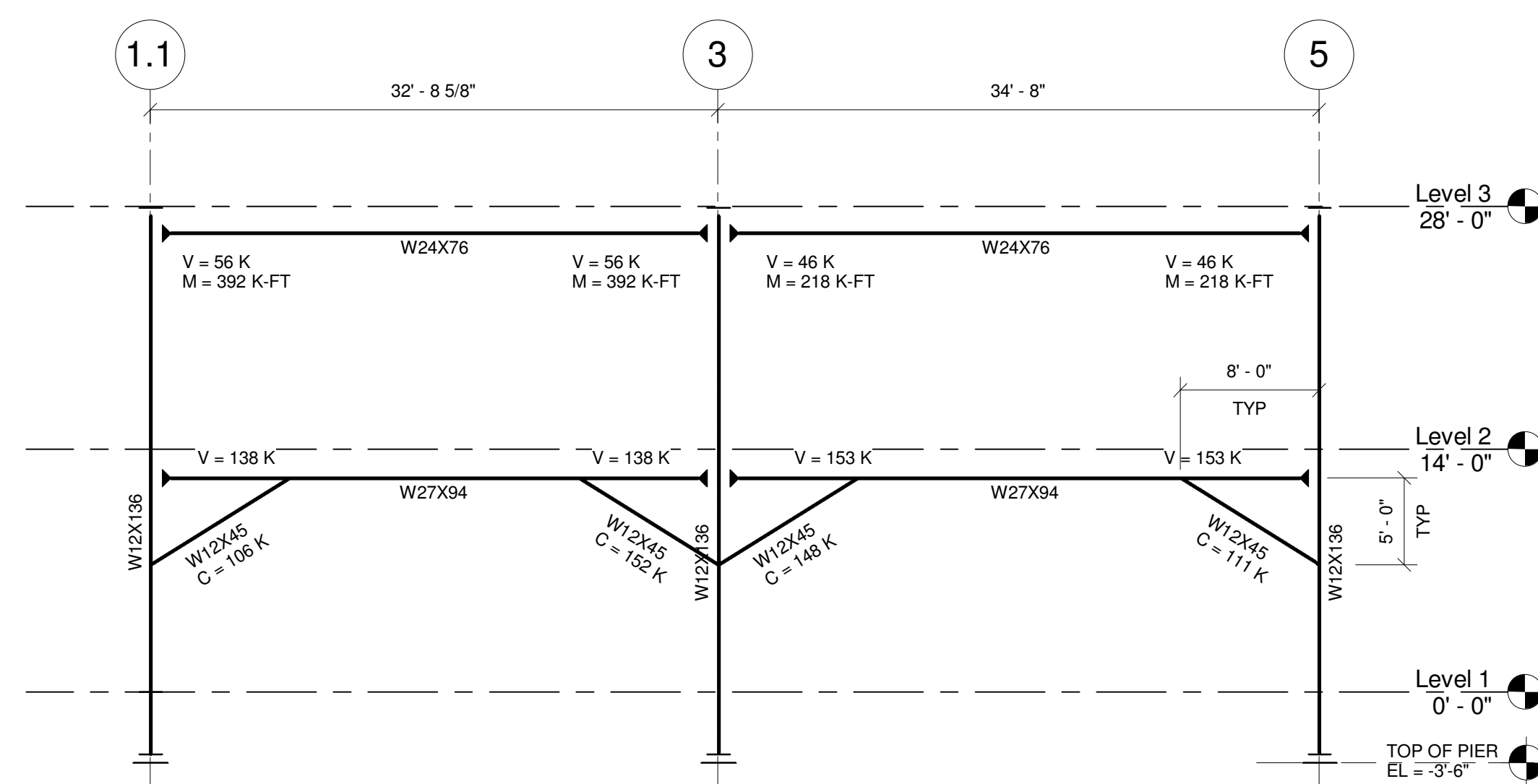
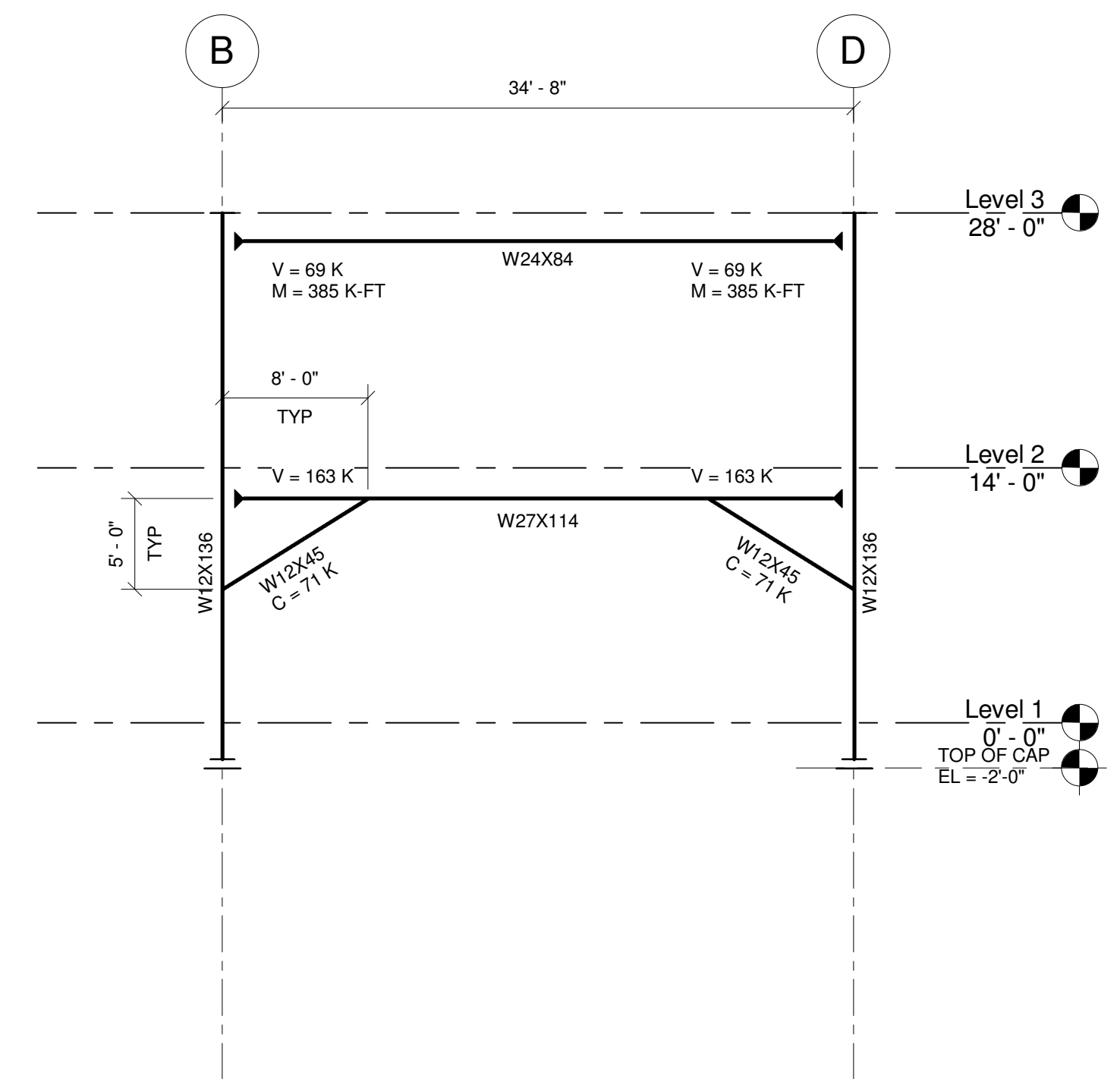
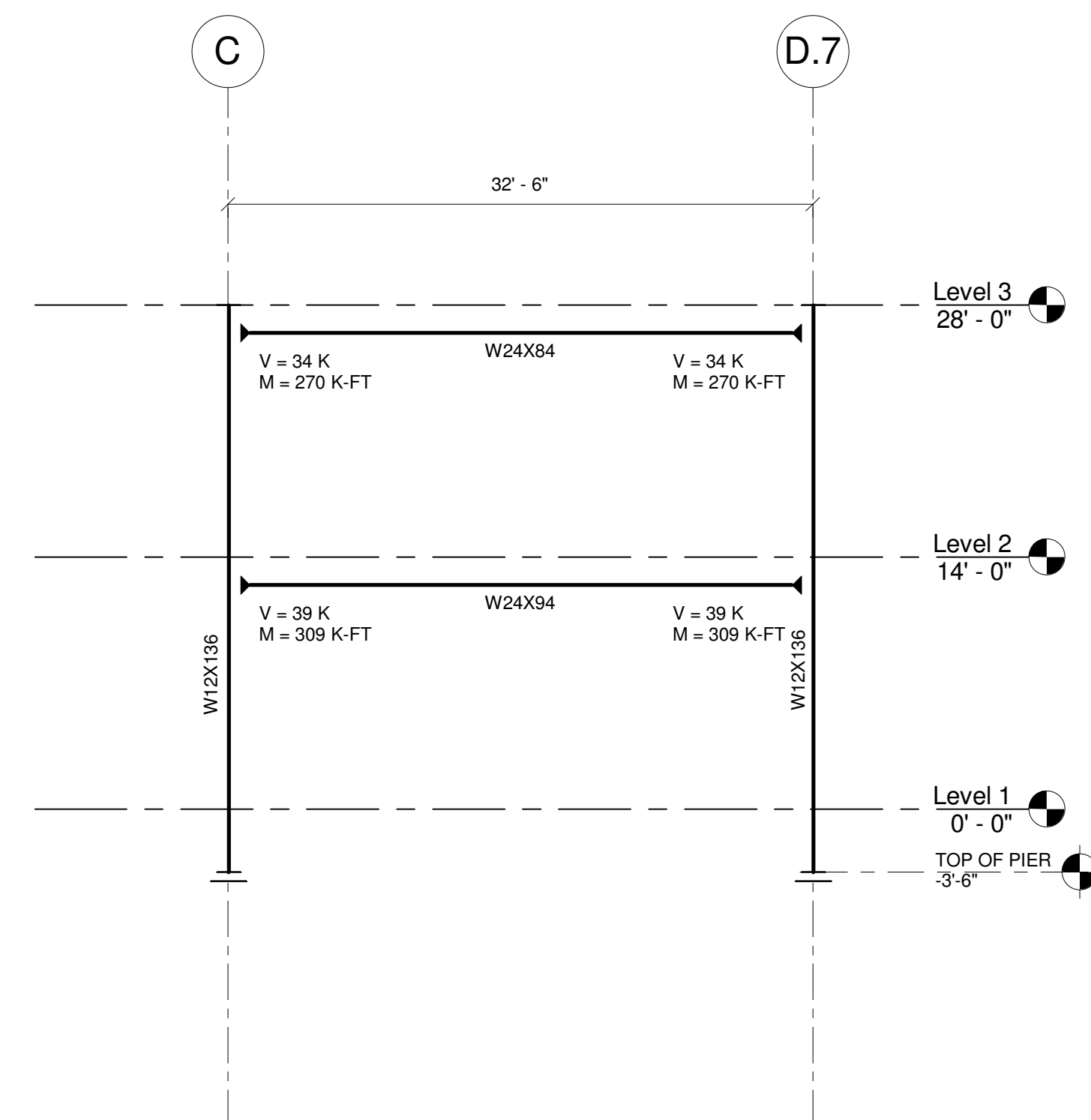
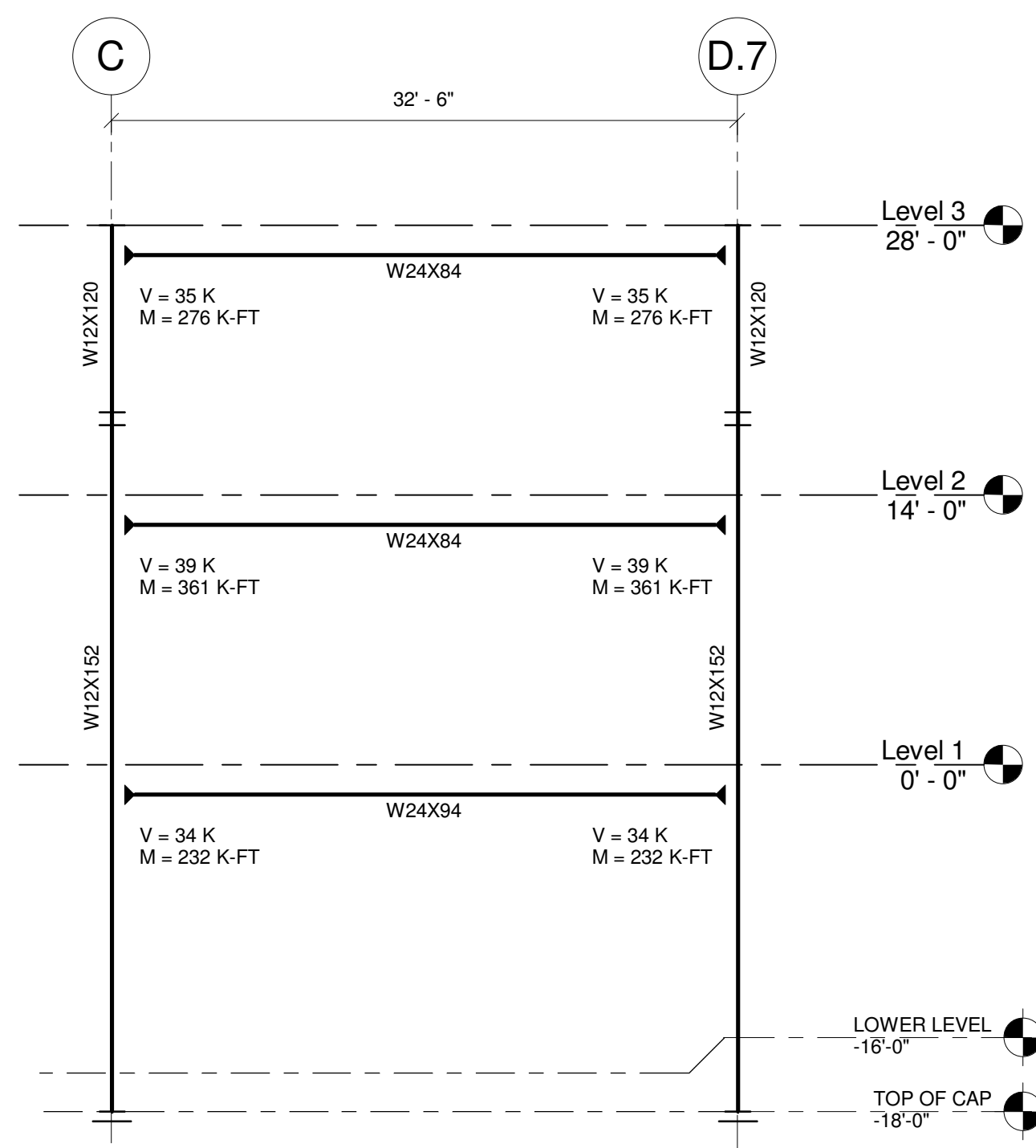
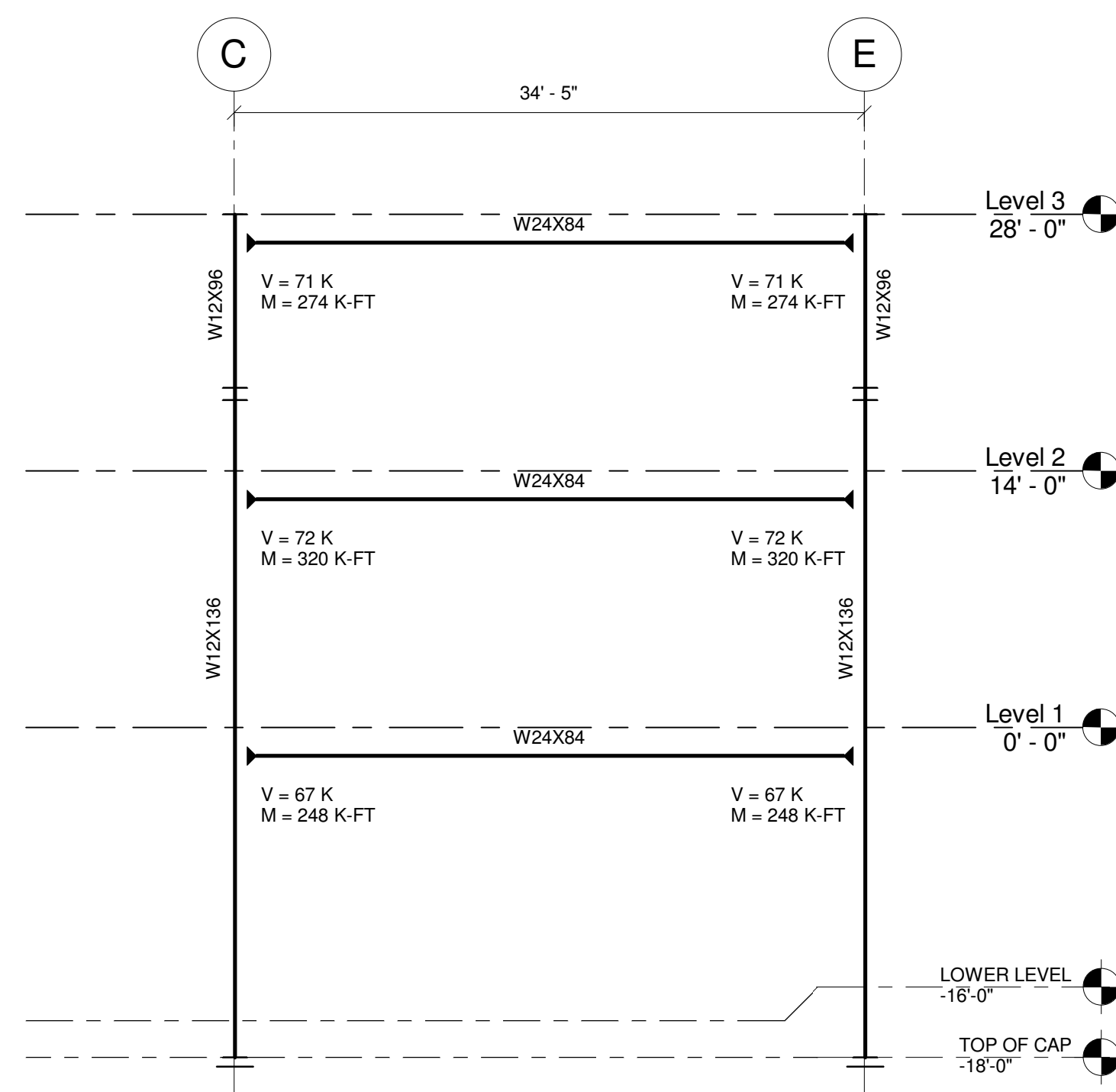
Building No.
BLDG 50

Project No.
VA# 636-315

DRAWING NO.
50-S9
Dwg. 26 of 150

Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

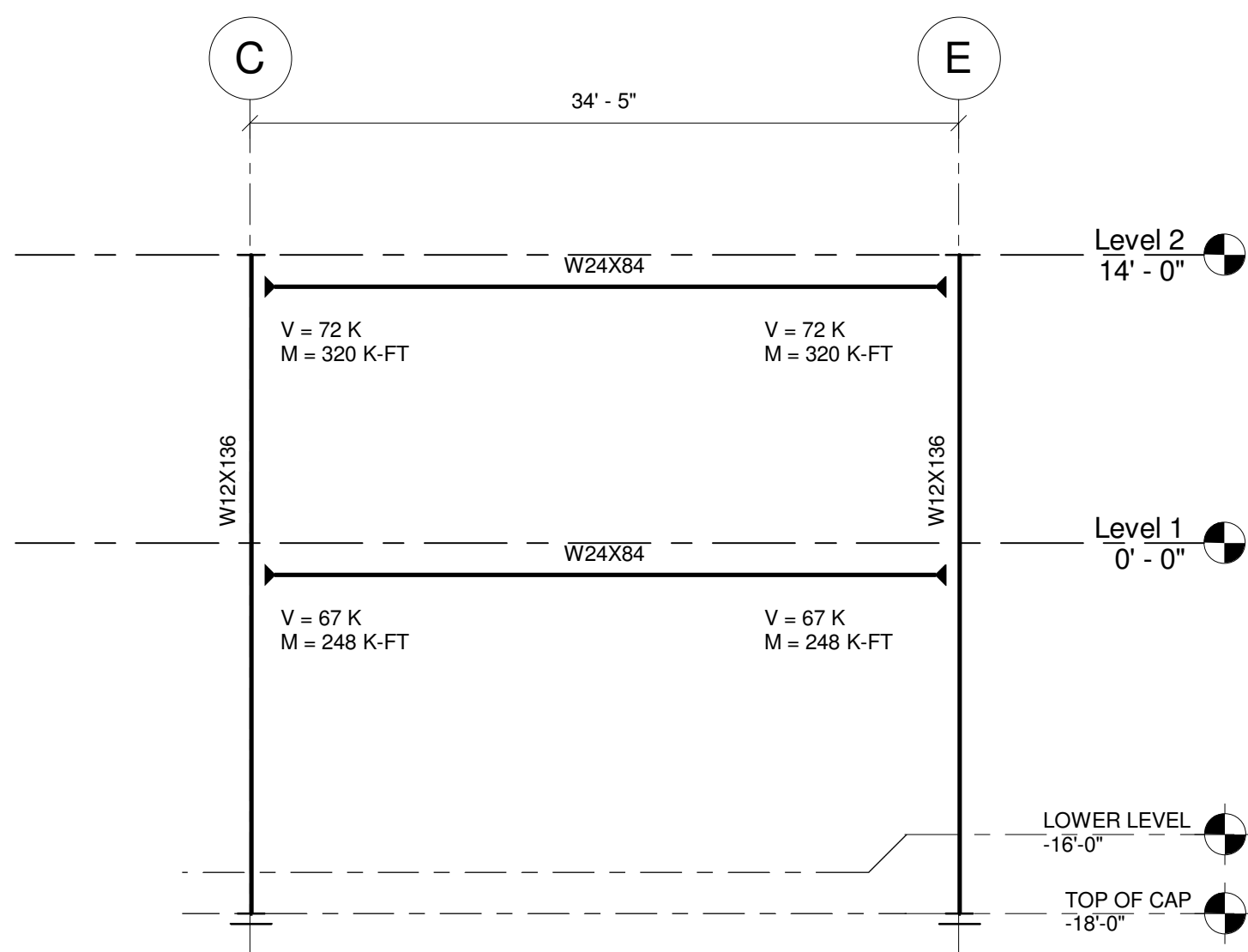


NOTE: SEE 6/50-S18 FOR TOP OF
COLUMN DETAIL - TYPICAL.

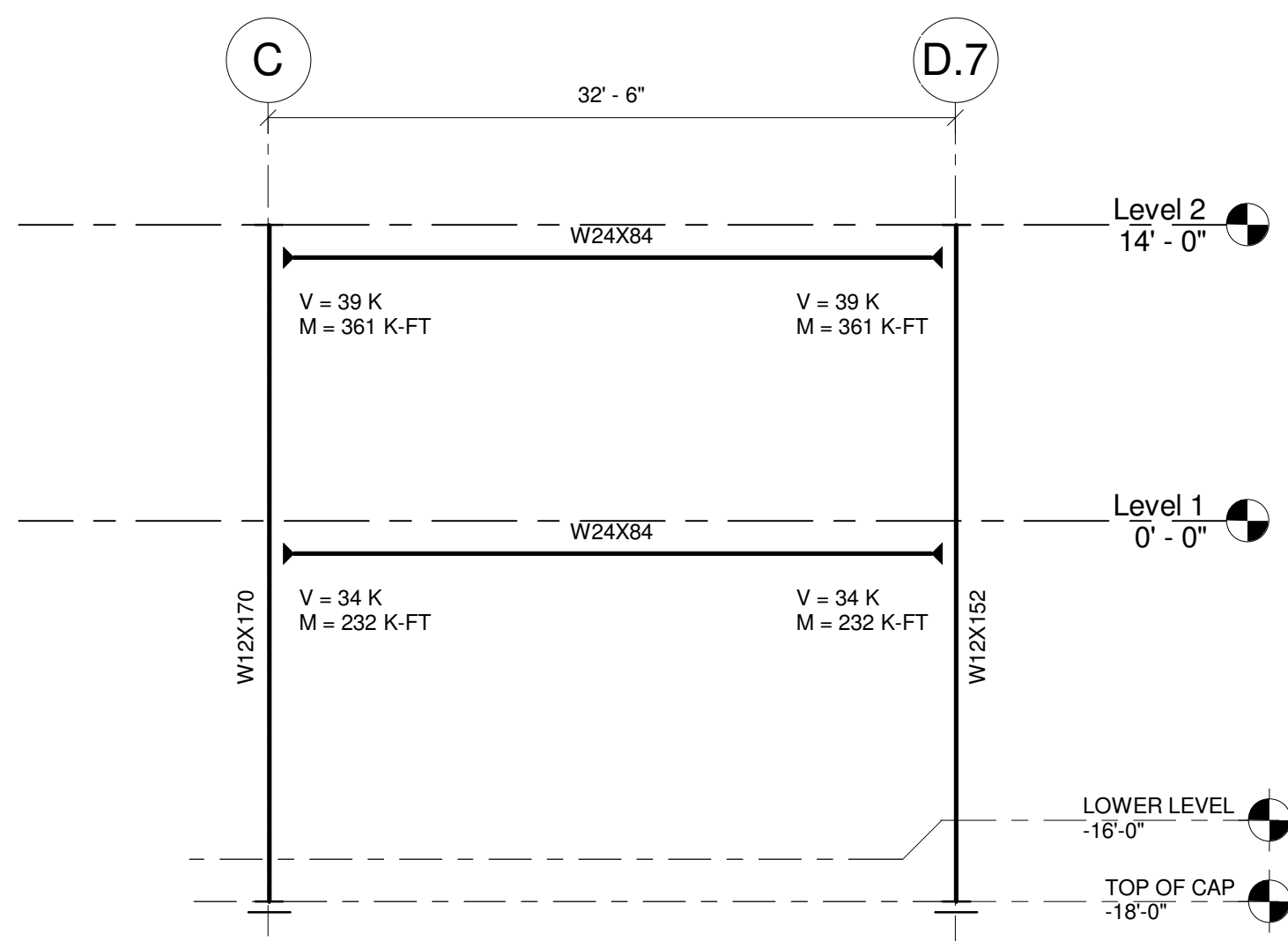
<div>▲</div> <div>▲</div> <div>▲</div> <div>▲</div> <div>▲</div> <div>▲</div> <div>Revisions</div>		<div>CONSULTANTS:</div>		<div>ARCHITECT/ENGINEERS:</div> <div><div>HEERY design</div><div>Heery International Inc. 125 South Dubuque Street, Suite 500, Iowa City, IA 52240-4003 319.354.4700</div></div> <div>project number HII-1125509</div>	<div>Drawing Title</div> <div>LATERAL FRAME ELEVATIONS</div>	<div>Building Title</div> <div>CONSTRUCT SPECIALTY CLINICS ADDITION</div>	<div>Building No.</div> <div>BLDG 50</div>	<div>Office of Construction and Facilities Management</div> <div>VA U.S. Department of Veterans Affairs</div>
					<div>Project No.</div> <div>VA# 636-315</div>	<div>Project No.</div> <div>VA# 636-315</div>		
					<div>Location</div> <div>ICVA HEALTH CARE SYSTEM</div>	<div>DRAWING NO.</div> <div>50-S10</div>		
			<div>Date</div> <div>09/25/2015</div>		<div>Checked</div> <div>CGT</div>	<div>Drawn</div> <div>NDS</div>		
			<div>FULLY SPRINKLERED</div>		<div>Dwg.</div> <div>27 of 150</div>			

VA FORM 08-6231, FEB. 1983

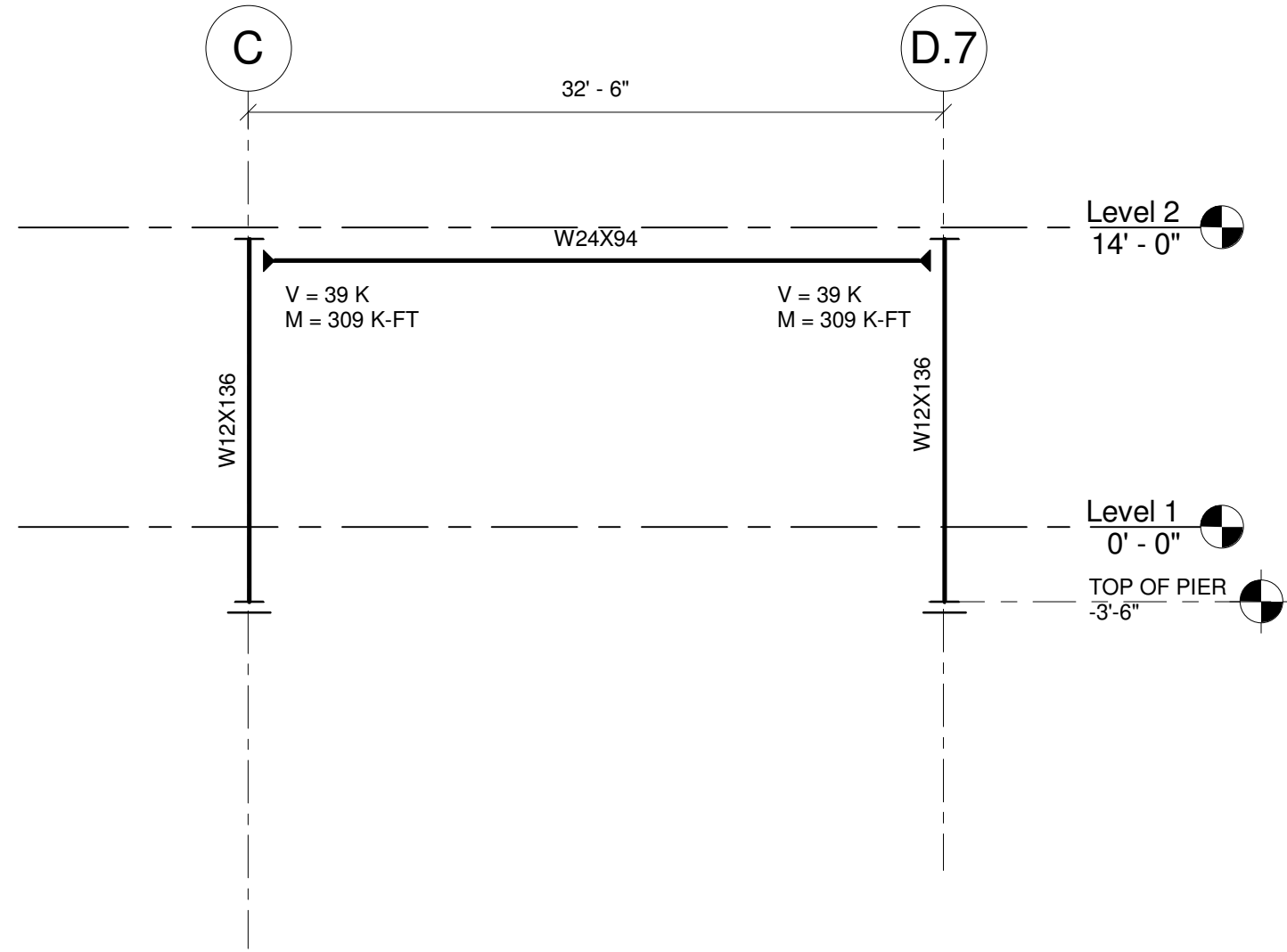
three inches = one foot
one and one-half inches = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot



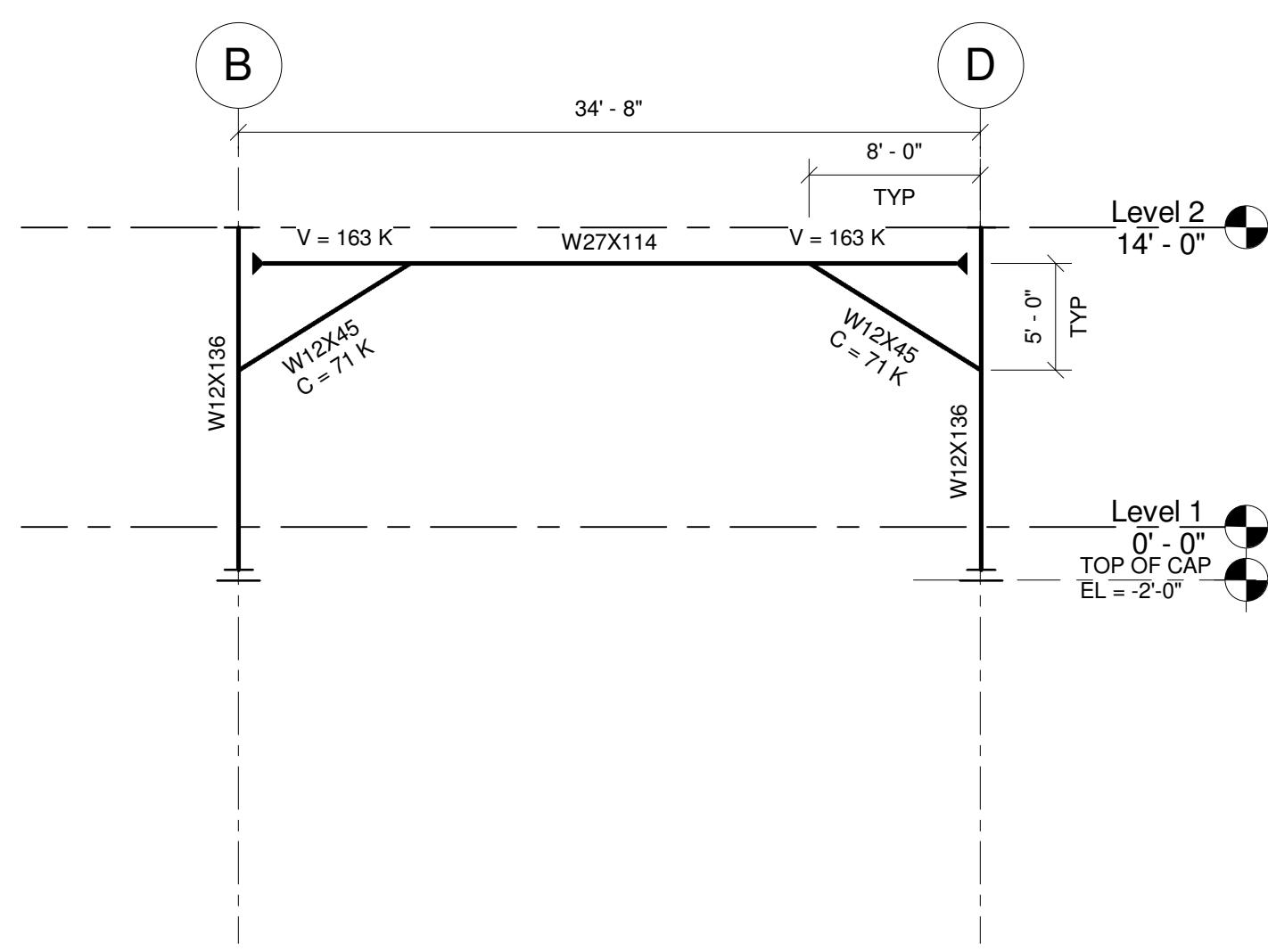
1 ELEVATION ALONG GRID 1.1 - DEDUCT
ALTERNATE #10
1/8" = 1'-0"



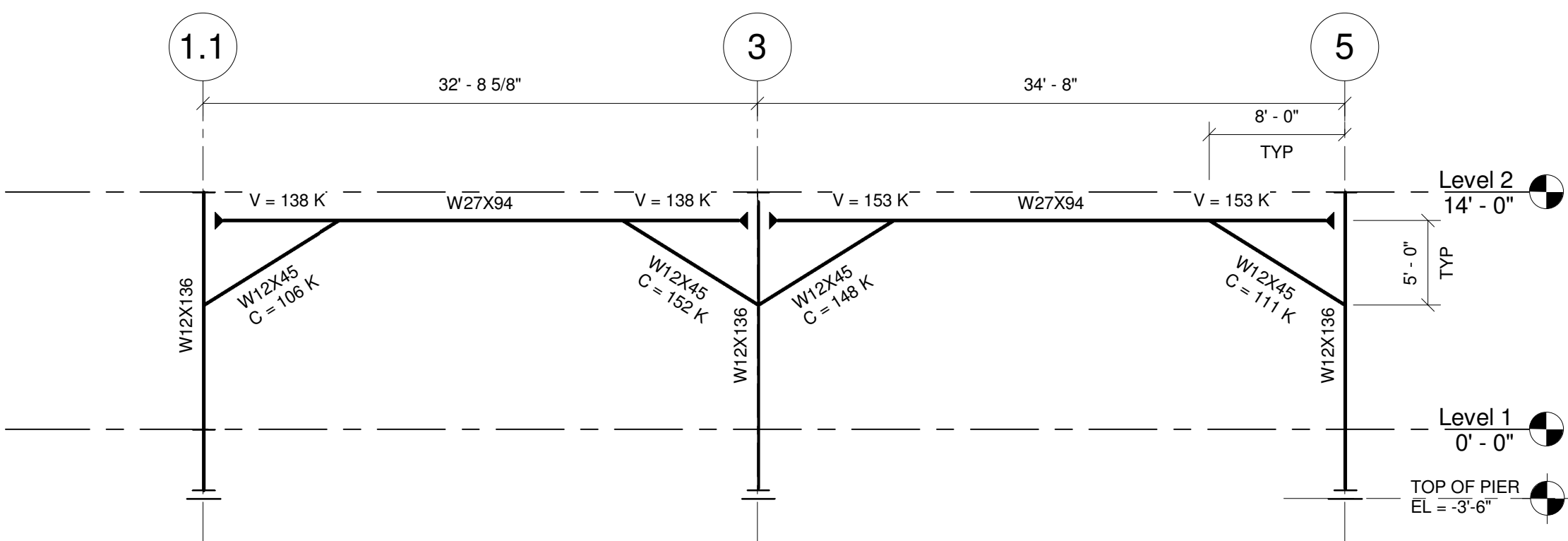
2 ELEVATION ALONG GRID 2.8 - DEDUCT
ALTERNATE #10
1/8" = 1'-0"



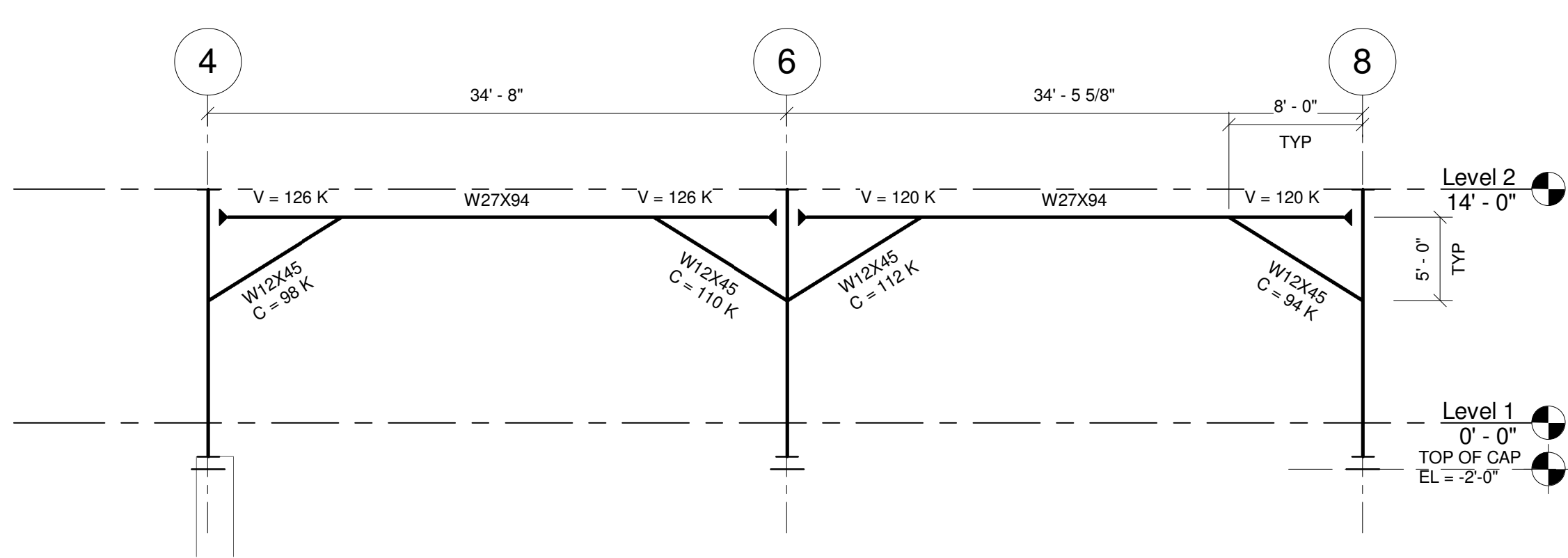
3 ELEVATION ALONG GRID 6.2 - DEDUCT
ALTERNATE #10
1/8" = 1'-0"



4 ELEVATION ALONG GRID 8 - DEDUCT
ALTERNATE #10
1/8" = 1'-0"



5 ELEVATION ALONG GRID A - DEDUCT
ALTERNATE #10
1/8" = 1'-0"

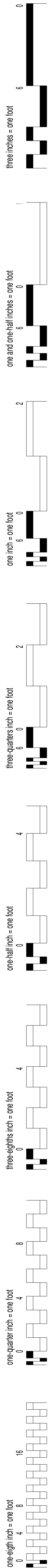


6 ELEVATION ALONG GRID F - DEDUCT
ALTERNATE #7
1/8" = 1'-0"

NOTE: SEE 6/50-S18 FOR TOP OF
COLUMN DETAIL - TYPICAL

0 2 4 8
SCALE: 1/4" = 1'-0"

Revisions	Date	CONSULTANTS:	ARCHITECT/ENGINEERS:	project number HII-1125509	Drawing Title LATERAL FRAME ELEVATIONS - DEDUCT ALTERNATE #10	Project Title CONSTRUCT SPECIALTY CLINICS ADDITION	Building No. BLDG 50	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs
			Heery International Inc. 125 South Dubuque Street, Suite 500, Iowa City, IA 52240-4003 319.354.4700		CONSTRUCTION DOCUMENTS	Location ICVA HEALTH CARE SYSTEM	Project No. VA# 636-315	
					FULLY SPRINKLERED	Date 09/25/2015	Checked CGT	

[illegible]







NOTE: SEE DETAIL 6/50-S18 FOR TOP OF COLUMN DETAIL.

[illegible]


NOTE: SEE DETAIL 6/50-S18 FOR TOP OF COLUMN DETAIL

GRADE BEAM SCHEDULE							
MARK	SIZE		REINFORCING				REMARKS
	WIDTH	DEPTH	TOP	BOTTOM	MIDDLE	TIES	
GB-1	36"	30"	5 - #9	5 - #9	ADD'L 4 #9 EA FACE	#4 CLOSED STIRRUPS - 1 @ 6" OC AT ENDS, REMAINDER AT 15" OC	CONT TOP AND BOT BARS; HK AT ENDS
GB-2	36"	24"	4 - #5	4 - #5		#4 CLOSED STIRRUPS @ 1'-9" OC	CONT TOP AND BOT BARS; HK AT ENDS

CAISSON AND CAP SCHEDULE						
MARK	CAISSON			CAP		REMARKS
	DIA	VERT REINF	TIES	LENGTH X WIDTH	DEPTH	
PC-1	30"	12 #8	#4 @ 18"	4'-6" x 4'-6"	3'-0"	(6) #5 EA WAY TOP & BOT.
PC-2	30"	12 #8	#4 @ 18"	4'-6" x 4'-6"	3'-0"	(6) #5 EA WAY TOP & BOT.
PC-3	36"	14 #8	#4 @ 18"	4'-6" x 4'-6"	3'-0"	(6) #5 EA WAY TOP & BOT.
PC-4	36"	14 #8	#4 @ 18"	4'-6" x 4'-6"	3'-0"	(6) #5 EA WAY TOP & BOT.
PC-5	30"	12 #8	#4 @ 18"	4'-6" x 4'-6"	3'-0"	(6) #5 EA WAY TOP & BOT.
PC-6	30"	12 #8	#4 @ 18"	4'-6" x 4'-6"	3'-0"	(6) #5 EA WAY TOP & BOT.
PC-7	30"	12 #8	#4 @ 18"	4'-6" x 4'-6"	3'-0"	(6) #5 EA WAY TOP & BOT.
PC-8	42"	24 #8	#4 @ 18"	4'-6" x 4'-6"	3'-0"	(6) #5 EA WAY TOP & BOT.
PC-9	42"	24 #8	#4 @ 18"	4'-6" x 4'-6"	3'-0"	(6) #5 EA WAY TOP & BOT.
PC-10	36"	14 #8	#4 @ 18"	4'-6" x 4'-6"	3'-0"	(6) #5 EA WAY TOP & BOT.

	
	
	
	
	
	
	
	
Revisions	Date

CONSULTANTS:

ARCHITECT/ENGINEERS:	
 design	project number H11-1125509
Heery International Inc. 125 South Dubuque Street, Suite 500, Iowa City, IA 52240-4003 319.354.4700	

Drawing Title
SCHEDULES
CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Project Title CONSTRUCT SPECIALTY CLINICS ADDITION		
Location ICVA HEALTH CARE SYSTEM		
Date 09/25/2015	Checked CGT	Drawn NDS

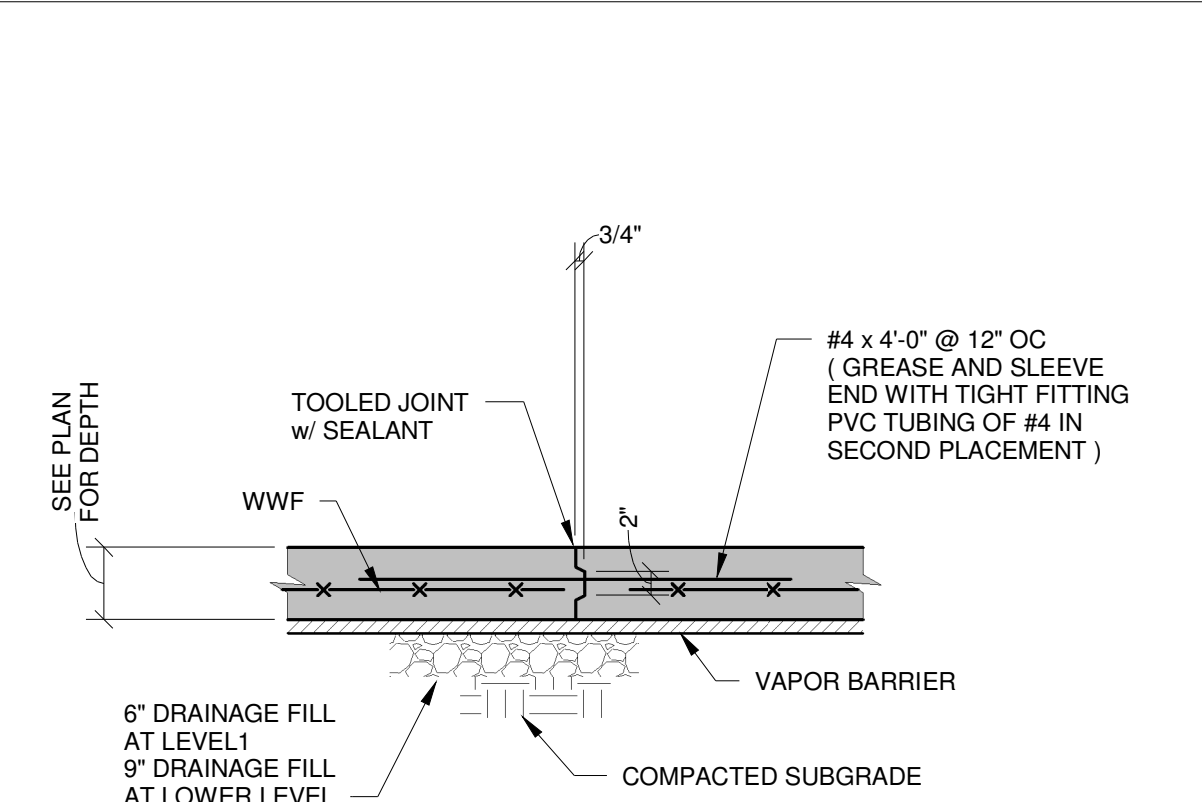
Building No.
BLDG 50

Project No.
VA# 636-315

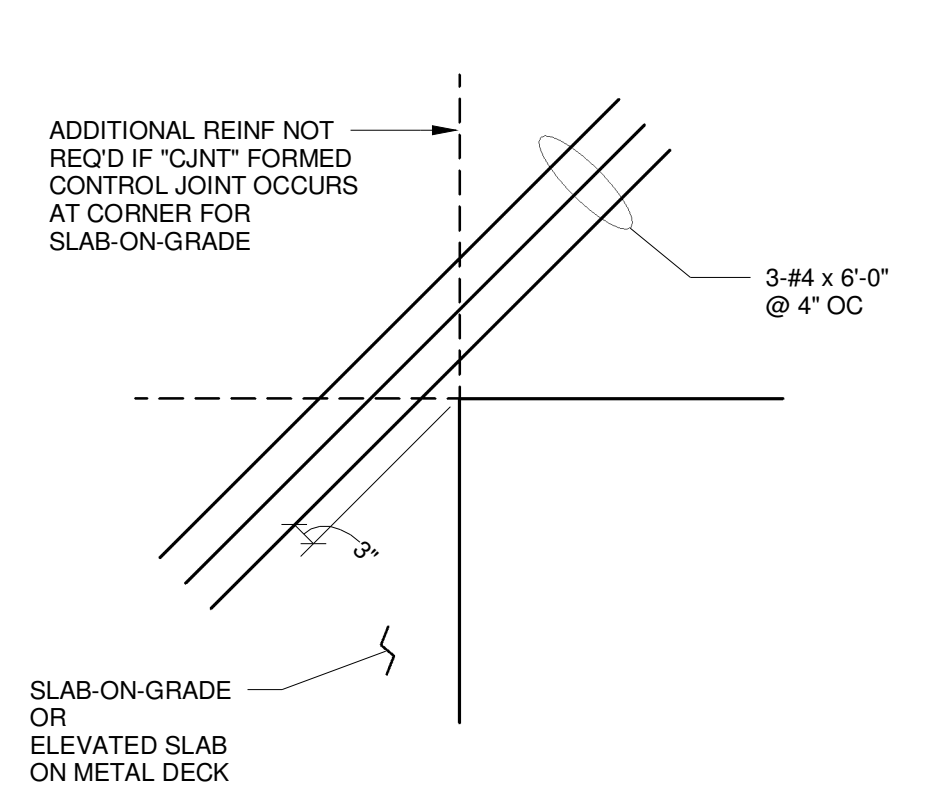
DRAWING NO.
50-S12
Dwg. 29 of 150

Office of
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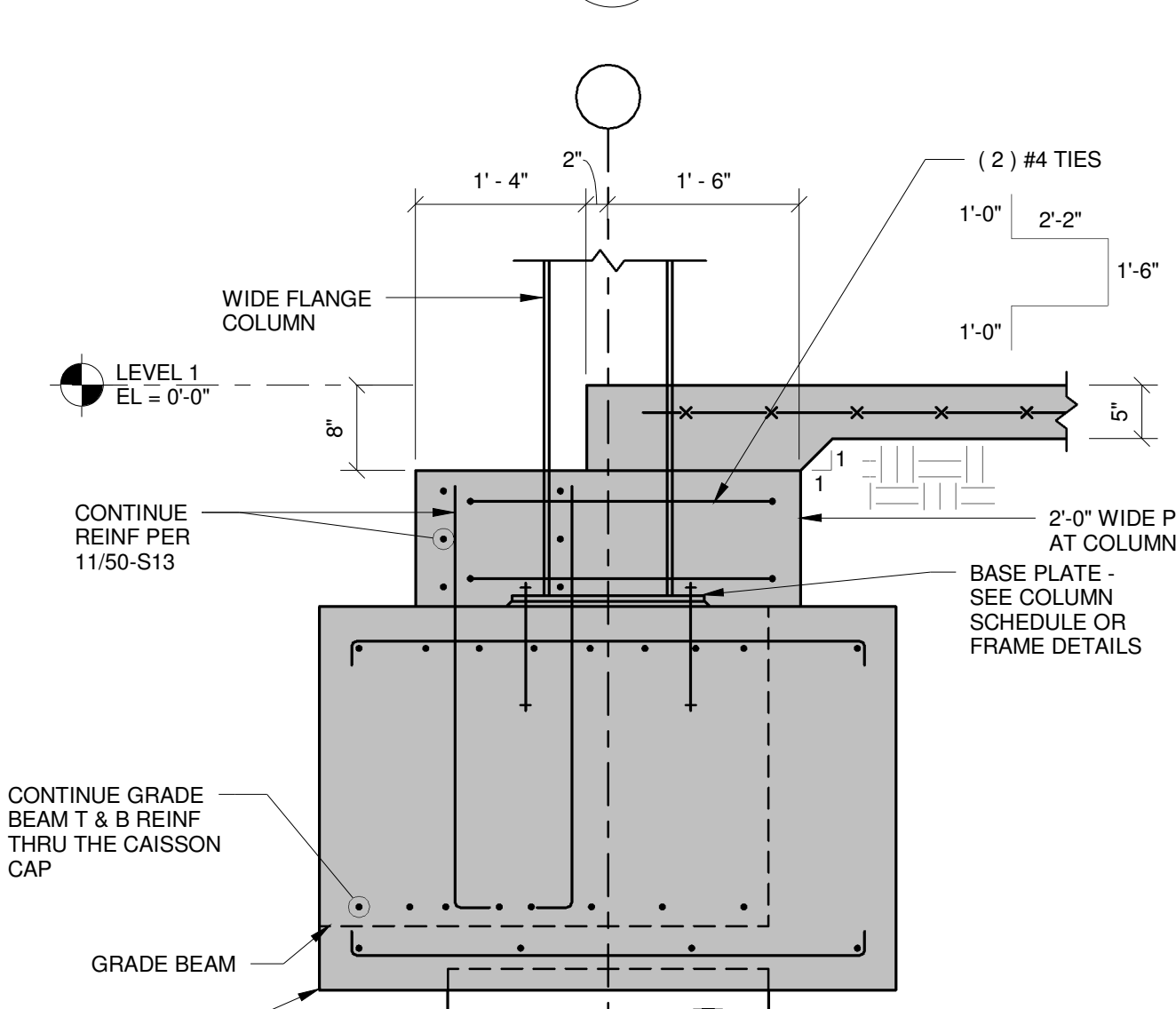
VA U.S. Department
of Veterans Affairs



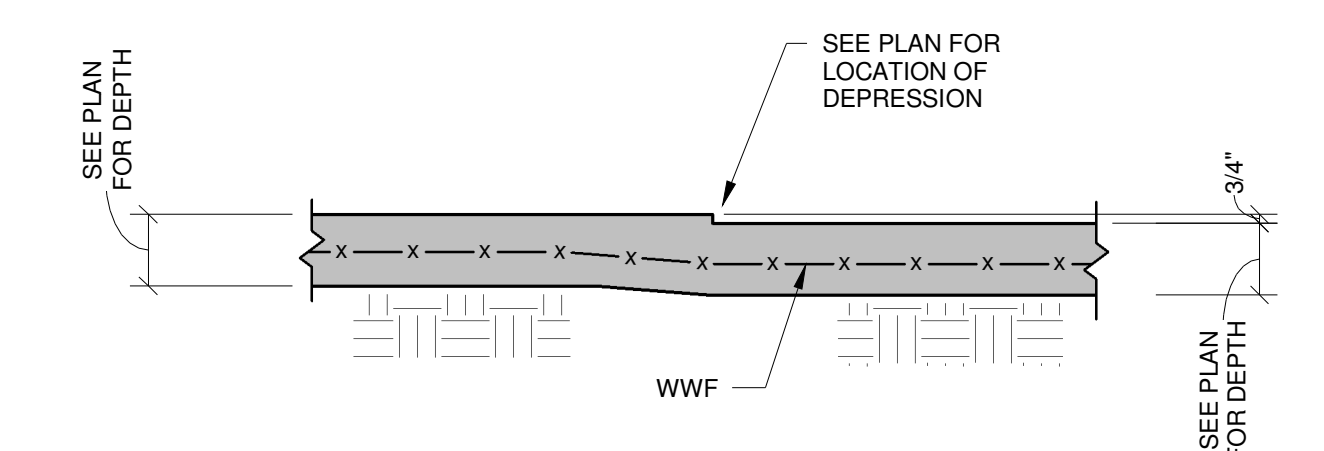
5 LOCATIONS)
NOT TO SCALE



9 TYP ADDITIONAL SLAB REINF AT RE-ENTRANT CORNER
NOT TO SCALE



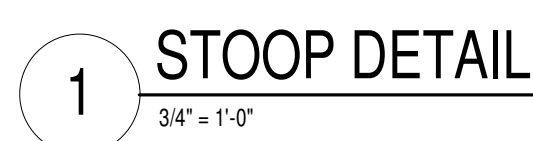
13 EXTERIOR WIDE FLANGE COLUMN DETAIL



17 3/4" SLAB RECESS
3/4" = 1'-0"

VA FORM 08-6231, FEB. 1983





CONSULTANTS:

ARCHITECT/ENGINEERS:

Heery International Inc.
125 South Dubuque Street,
Suite 500,
Iowa City, IA 52240-4003
319.354.4700

project number
HII-1125509

Drawing Title	FOUNDATION DETAILS
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CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title	CONSTRUCT SPECIALTY CLINICS ADDITION
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Location	ICVA HEALTH CARE SYSTEM
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Date
09/25/2015

Checked	CGT
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Drawn
NDS

Building No. **2100**

Project No.
VA# 636-315

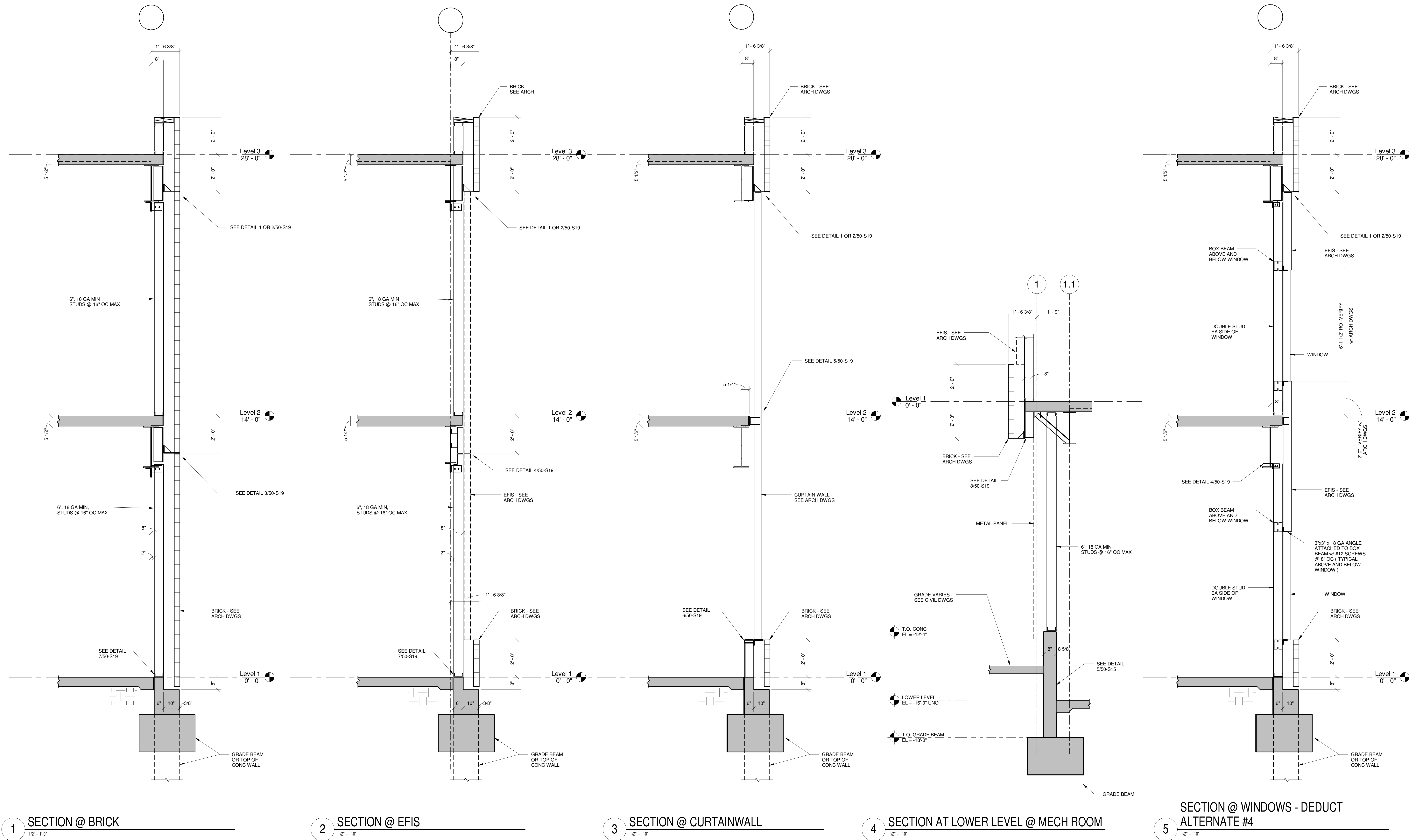
DRAWING NO.

50-S15

Dwg. 32 of 150

Office of
Construction
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VA U.S. Department
of Veterans Affairs



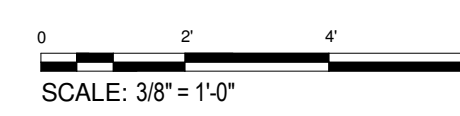
1 SECTION @ BRICK
1/2" = 1'-0"

2 SECTION @ EFIS
1/2" = 1'-0"

3 SECTION @ CURTAINWALL
1/2" = 1'-0"

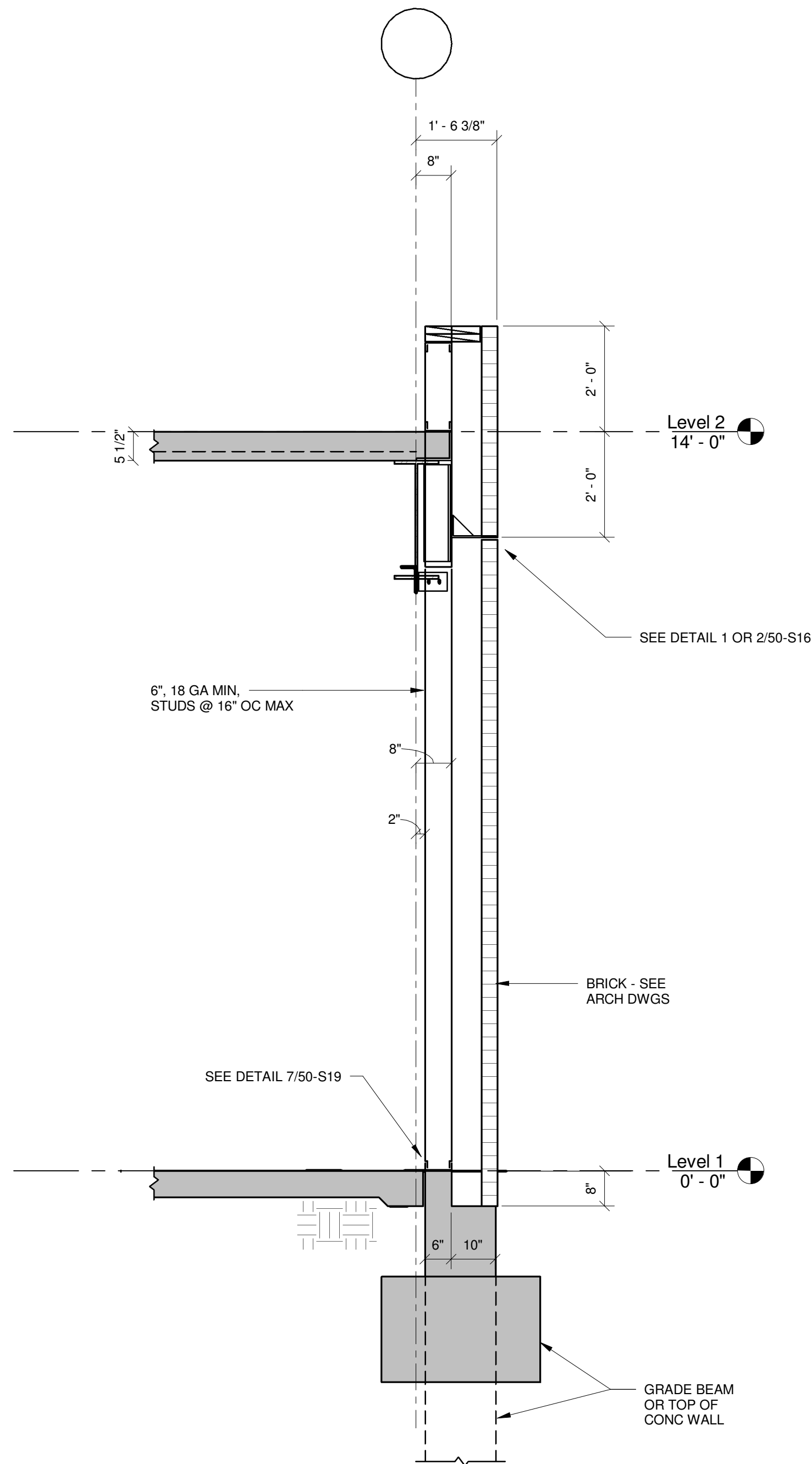
4 SECTION AT LOWER LEVEL @ MECH ROOM
1/2" = 1'-0"

SECTION @ WINDOWS - DEDUCT
5 ALTERNATE #4
1/2" = 1'-0"

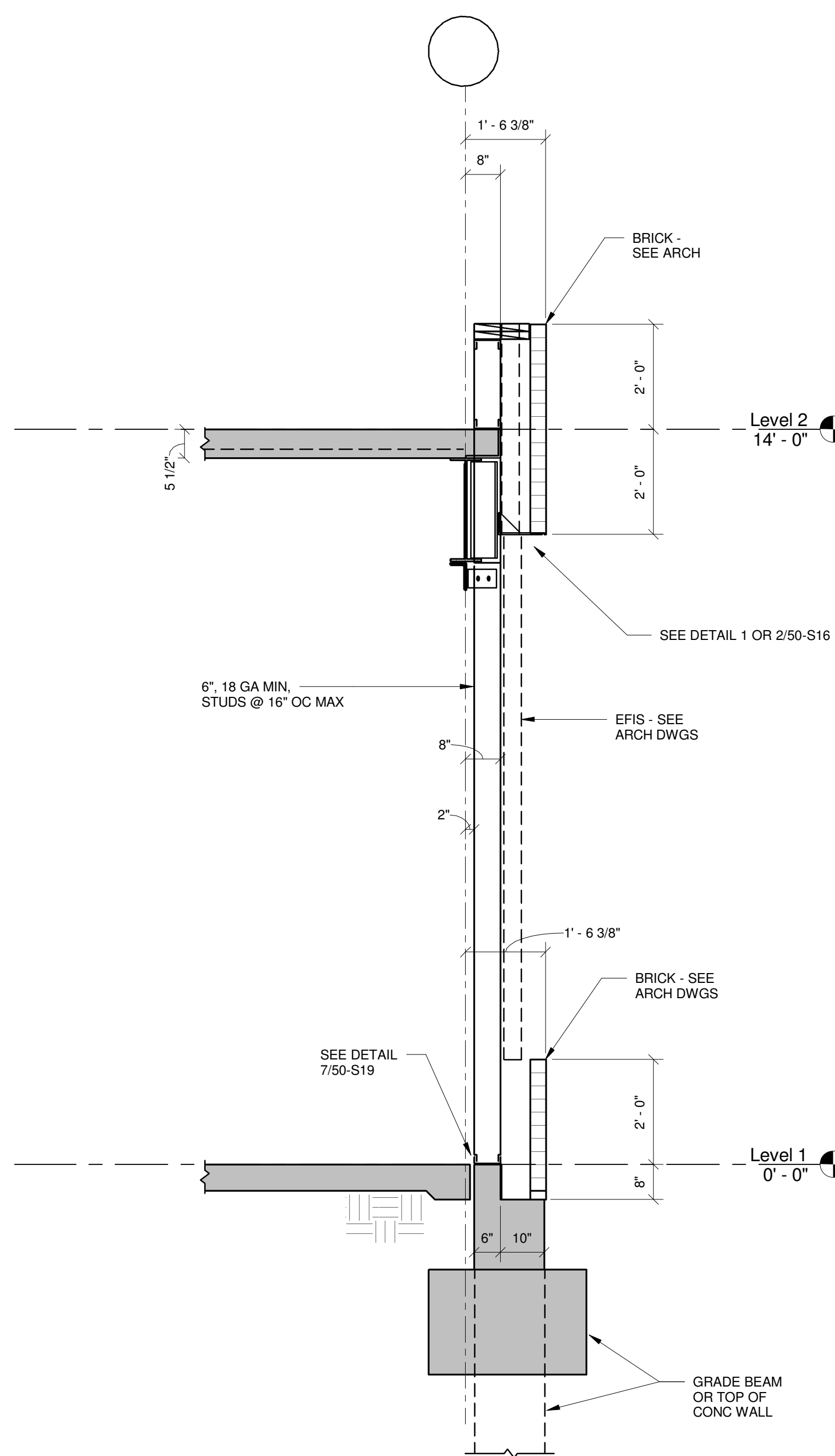


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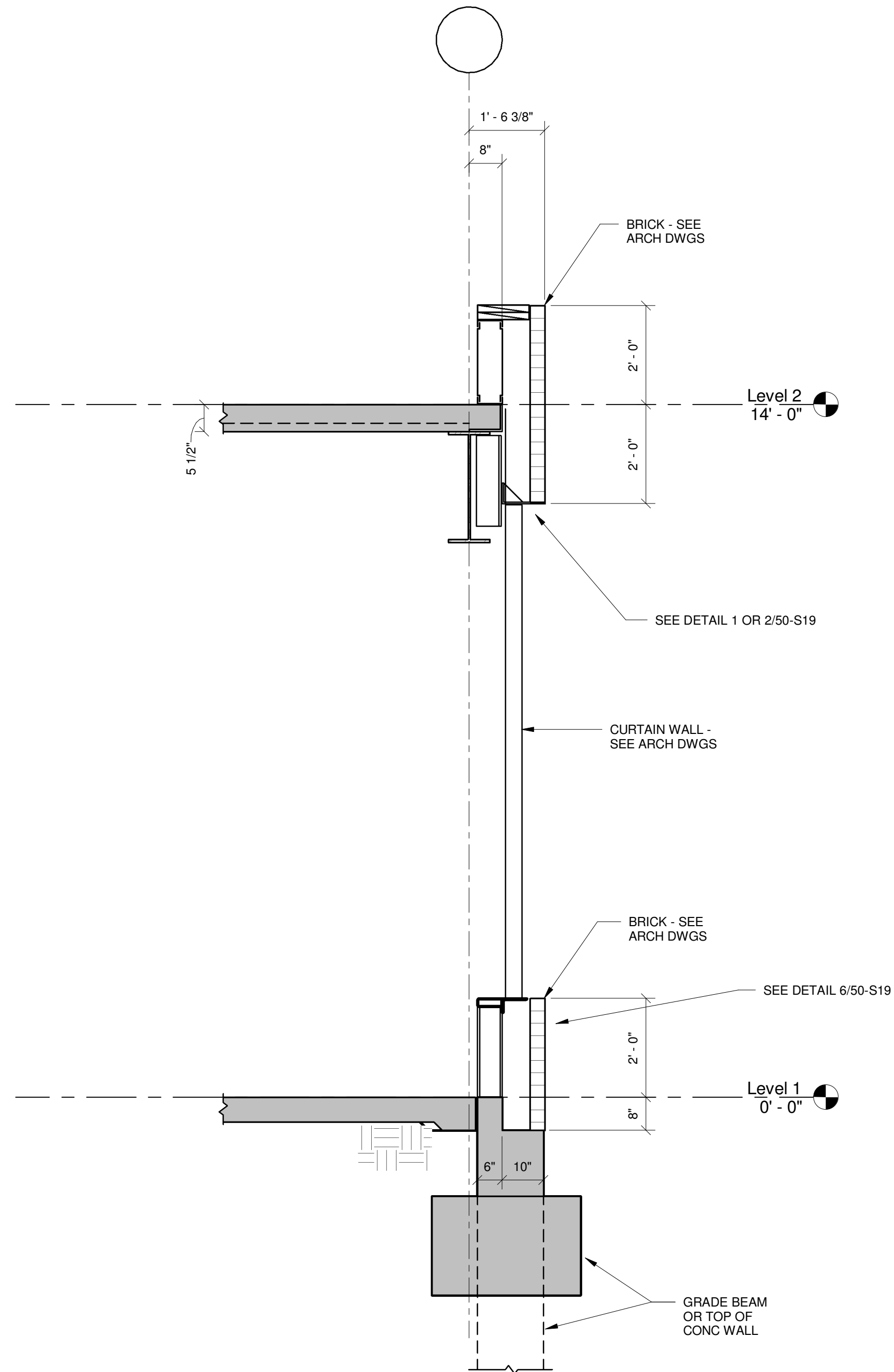
three inches = one foot
one and one-half inches = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot



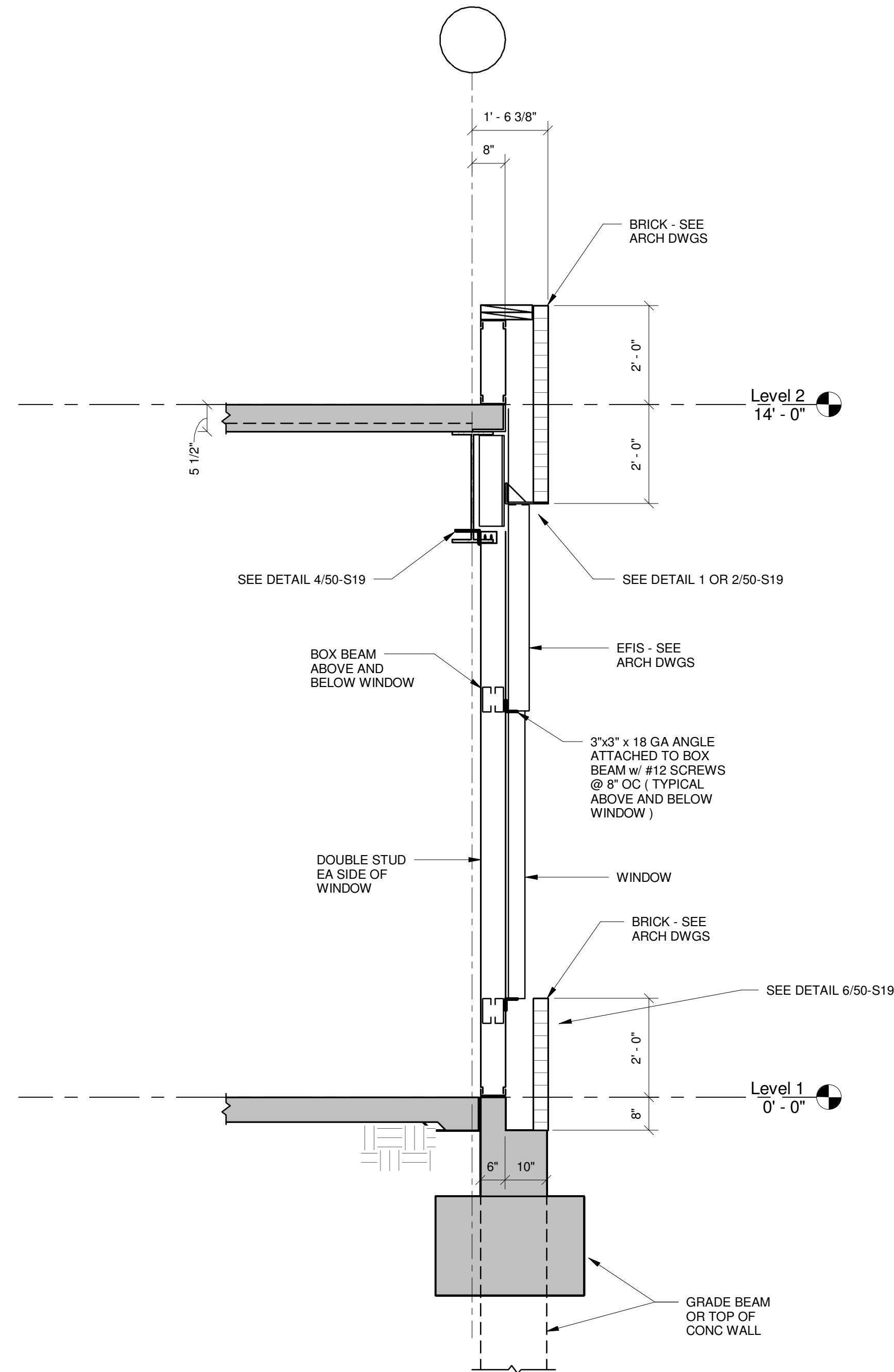
1 SECTION @ BRICK - DEDUCT ALTERNATE #10
1/2" = 1'-0"



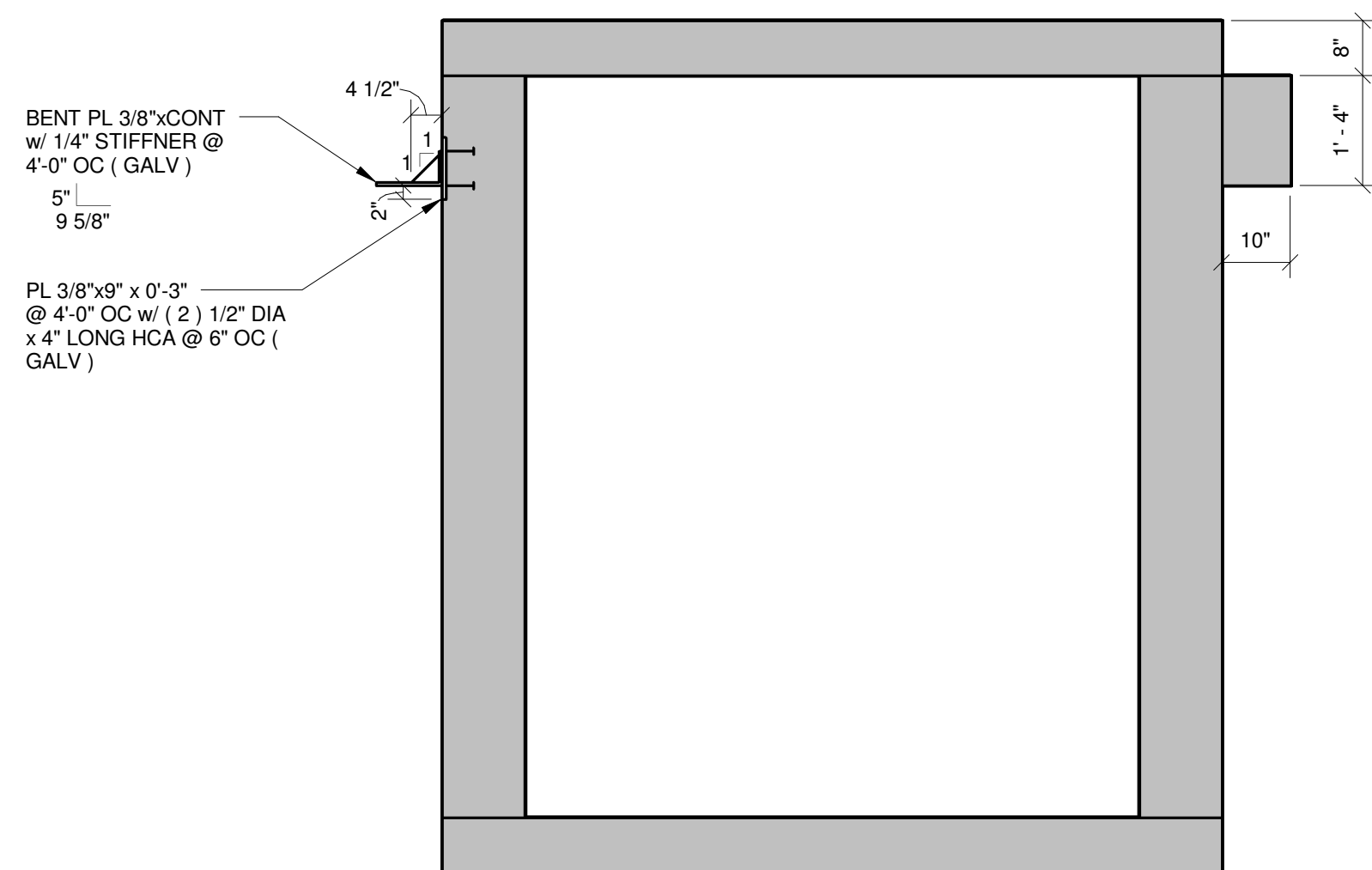
2 SECTION @ EFIS - DEDUCT ALTERNATE #10
1/2" = 1'-0"



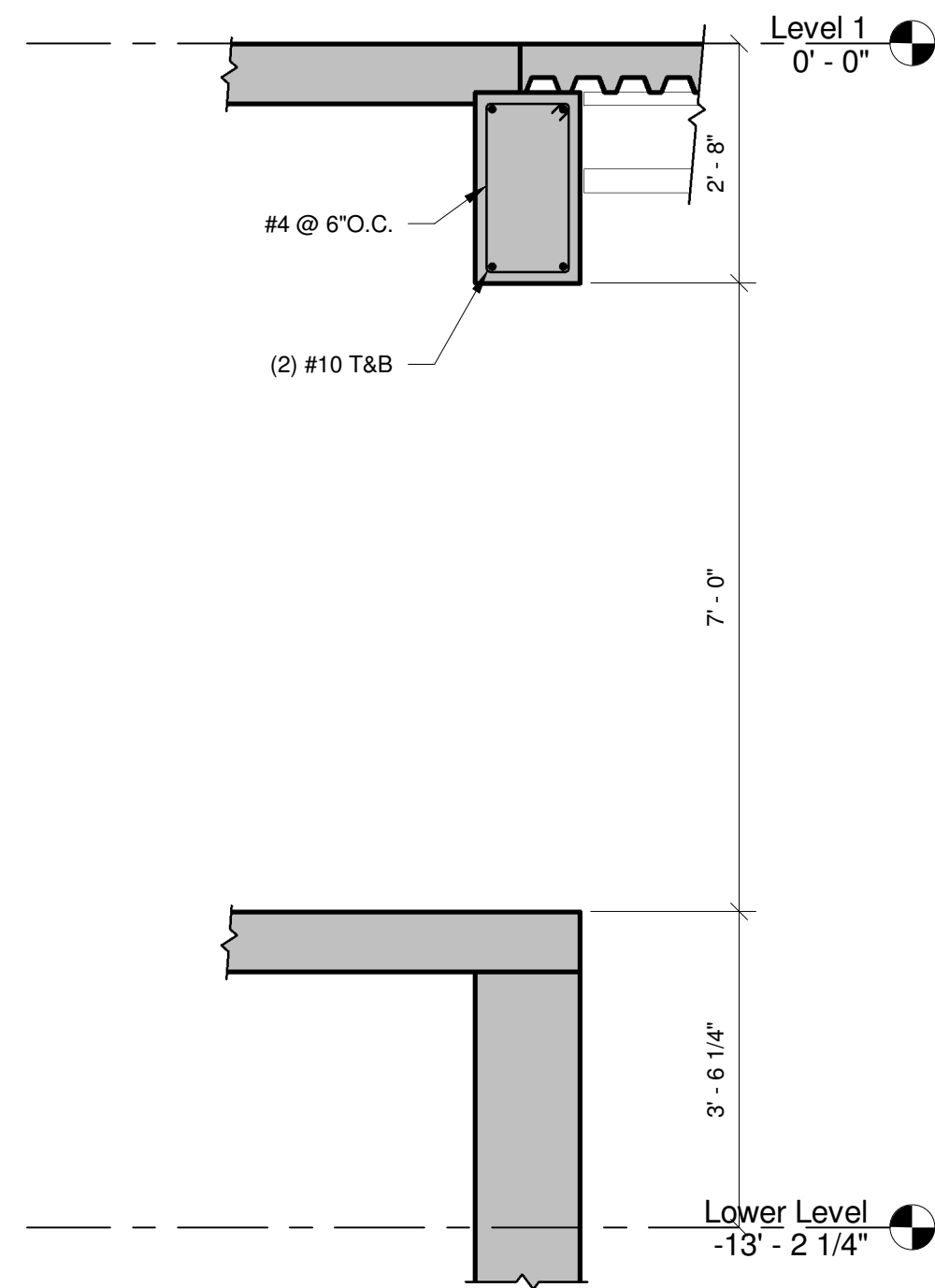
3 SECTION @ CURTAINWALL - DEDUCT ALTERNATE #10
1/2" = 1'-0"



4 SECTION @ WINDOWS - DEDUCT ALTERNATE #10 & #4
1/2" = 1'-0"



5 SECTION @ TUNNEL
1/2" = 1'-0"



6 SECTION @ TUNNEL AND WALL
1/2" = 1'-0"

SCALE: 3/8" = 1'-0"

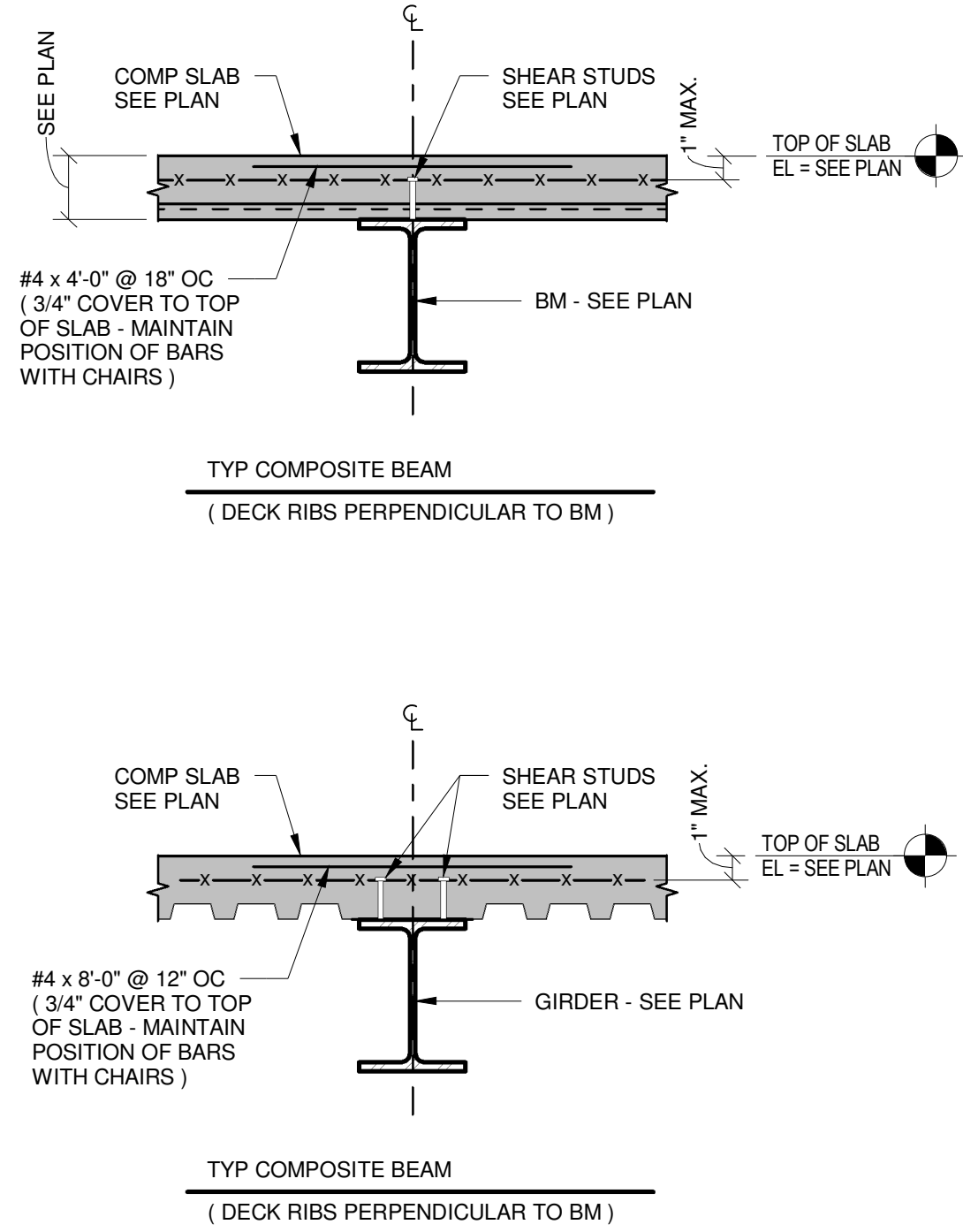
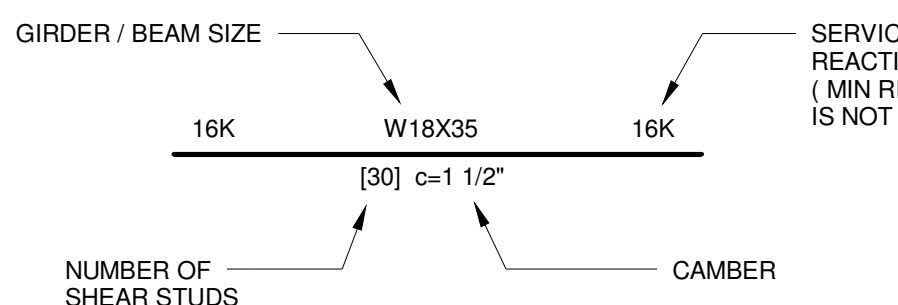
<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>						ARCHITECT/ENGINEERS:		Drawing Title		Building No.		Project Title		Project No.		Office of Construction and Facilities Management	
		CONSULTANTS:						WALL SECTIONS - DEDUCT ALTERNATE #10		BLDG 50		CONSTRUCT SPECIALTY CLINICS ADDITION		VA# 636-315		VA U.S. Department of Veterans Affairs	
								project number HII-1125509									
						<div><div>HEERY</div><div>design</div></div>											
						Heery International Inc. 125 South Dubuque Street, Suite 500, Iowa City, IA 52240-4003 319.354.4700											
								CONSTRUCTION DOCUMENTS		Location		ICVA HEALTH CARE SYSTEM		DRAWING NO.			
								FULLY SPRINKLERED		Date		Checked		Drawn		50-S17	
										09/25/2015		CGT		NDS		Dwg. 34 of 150	
Revisions		Date															

VA FORM 08-6231, FEB. 1983

COMPOSITE BEAM CRITERIA

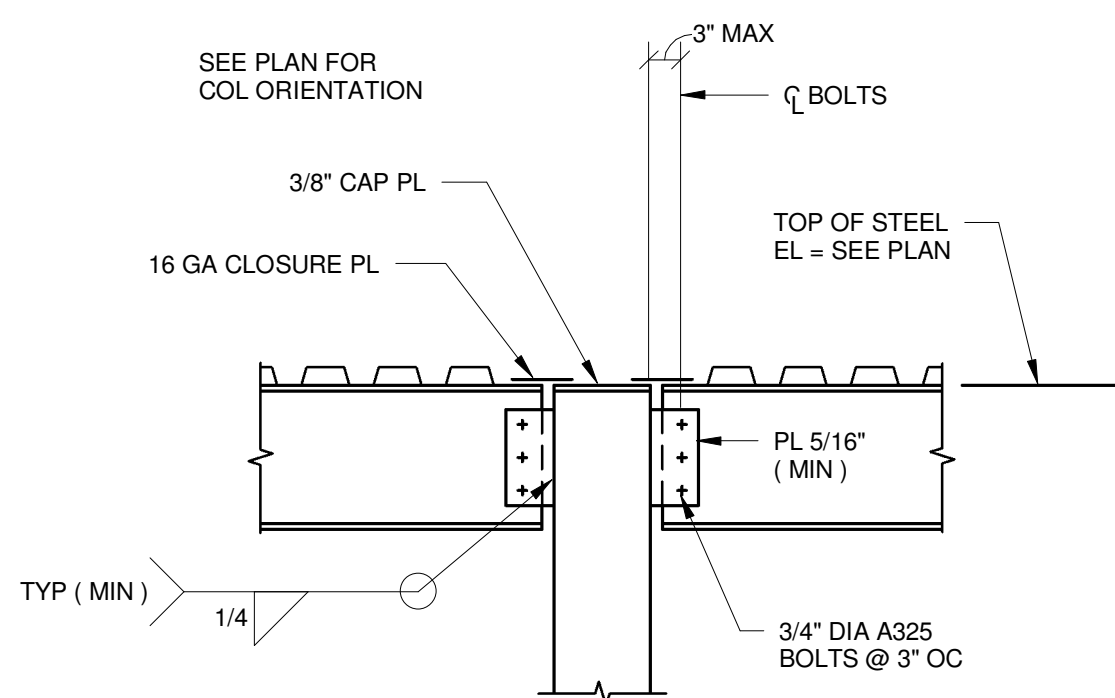
SHEAR STUD PLACEMENT NOTES:

1. ALL SHEAR STUDS : 3/4" DIA x 4 1/2", UNLESS OTHERWISE NOTED.
2. THE NUMBER OF STUDS IS INDICATED THUS (XX) ON THE PLAN. WHEN MORE THAN ONE QUANTITY OF STUDS ARE INDICATED ON GIRDER/BEAM (EX: (XX-XX)), PLACE STUDS IN CORRESPONDING GROUPS BETWEEN INTERSECTING MEMBERS, SUPPORTING MEMBERS, OR LOADING POINTS.
3. MINIMUM CENTER TO CENTER SPACING OF STUDS ALONG THE LONGITUDINAL AXIS OF THE COMPOSITE GIRDER/BEAM : 4 1/2", WITH THE MAXIMUM CENTER TO CENTER SPACING OF STUDS ALONG THE TRANSVERSE AXIS, THE CENTER TO CENTER SPACING : 2".
4. WHERE BEAM FLANGE THICKNESS IS LESS THAN 5/16" ONLY A SINGLE ROW OF STUDS CENTERED OVER THE WEB IS TO BE USED.
5. FOR BEAMS SUPPORTING COMPOSITE DECK WITHOUT STUD NOTATION, PROVIDE STUDS AT MAXIMUM CENTER TO CENTER SPACING.
6. ADD ADDITIONAL STUD OR 3/4" DIA PUDDLE WELD SO THAT THE SPACE BETWEEN DECK ATTACHMENTS TO BEAM (WELDS OR STUDS) DOES NOT EXCEED 16".
7. WHERE DECK IS PERPENDICULAR TO THE COMPOSITE BEAM, PLACE STUDS AS FOLLOWS:
CASE 1 (MORE DECK FLUTES THAN STUDS) :
PLACE ONE STUD IN EVERY OTHER DECK FLUTE. THEN STARTING AT EACH END OF THE BEAM (OR BEAM SEGMENT), PLACE REMAINING STUDS IN UNUSED DECK FLUTES. THE NUMBER OF STUDS ON EACH HALF OF THE BEAM (OR BEAM SEGMENT) SHOULD BE EQUAL. SEE NOTE 3 FOR SPACING LIMITATIONS.
CASE 2 (MORE STUDS THAN DECK FLUTES) :
PLACE ONE STUD IN EVERY DECK FLUTE. THEN STARTING AT EACH END OF THE BEAM (OR BEAM SEGMENT), DOUBLE STUDS EVERY DECK FLUTE UNTIL REMAINING STUDS ARE USED. THE NUMBER OF STUDS ON EACH HALF OF THE BEAM (OR BEAM SEGMENT) SHOULD BE EQUAL. SEE NOTE 3 FOR SPACING LIMITATIONS.
8. WHERE DECK IS PARALLEL TO THE COMPOSITE GIRDER, SPACE THE STUDS UNIFORMLY IN A SINGLE ROW FOR THE ENTIRE LENGTH OF THE GIRDER (OR GIRDER SEGMENT). IF THE STUDS CANNOT BE SPACED AT 4 1/2" CENTER TO CENTER OR GREATER IN A SINGLE ROW, SPACE THE STUDS UNIFORMLY IN A DOUBLE ROW.
9. COMPOSITE BEAM NOTATION :



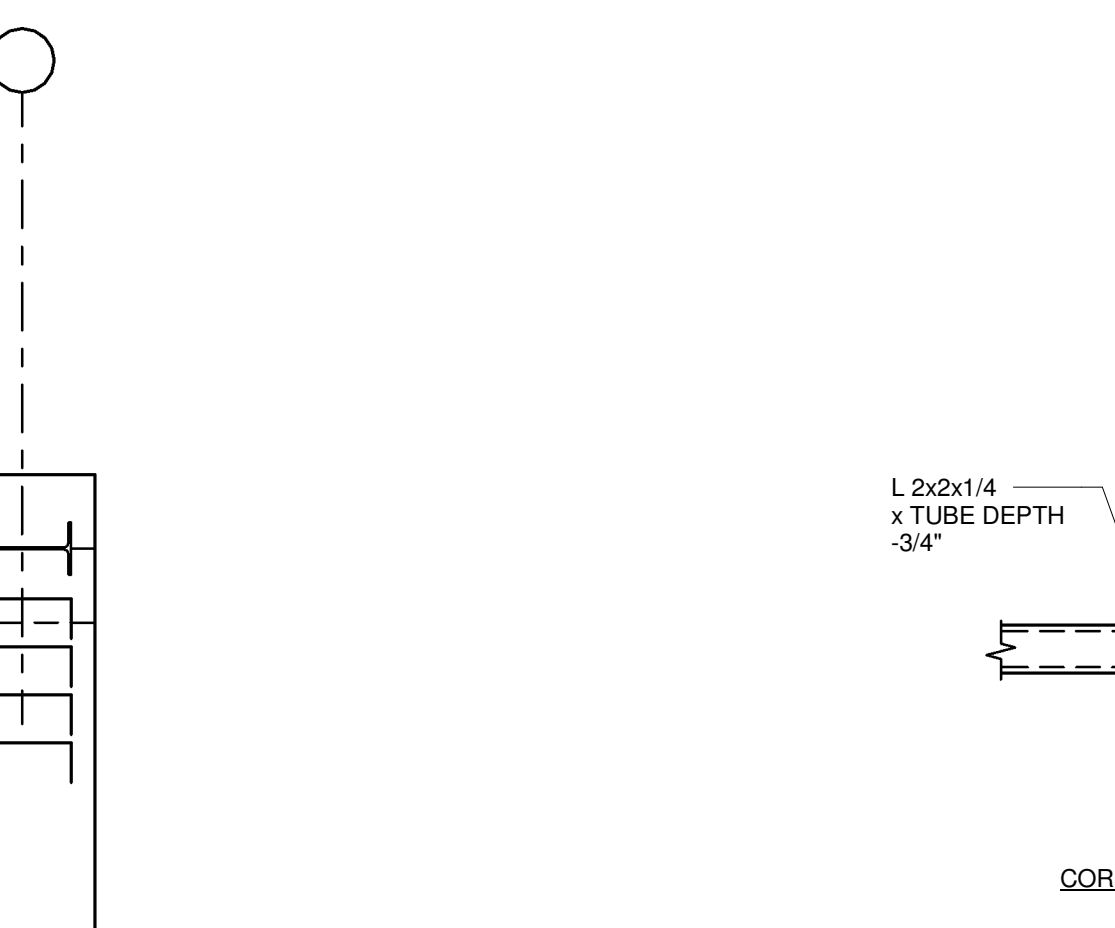
TYP BEAM CONNECTION AT WIDE FLANGE COLUMN

- NOTE:
1. CONNECTION SHOWN IS SCHEMATIC.
 2. DESIGN OF CONNECTION TO BE PERFORMED BY STEEL FABRICATORS ENGINEER, PER SPECIFICATION SECTION 05120.
 3. DESIGN CONNECTION FOR REACTIONS NOTED ON THE FRAMING PLAN. IF NO REACTION NOTED THEN DESIGN FOR 10 KIP MIN REACTION.

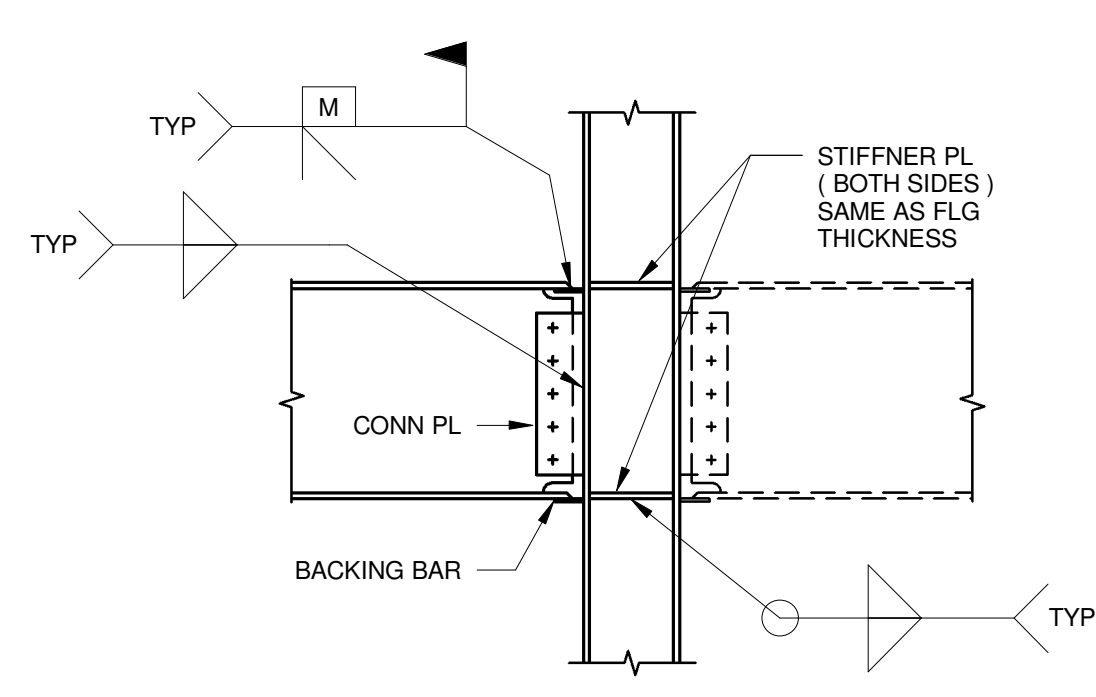


TYP BEAM CONNECTION AT TOP OF WIDE FLANGE COLUMN

- NOTE:
1. CONNECTION SHOWN IS SCHEMATIC.
 2. DESIGN OF CONNECTION TO BE PERFORMED BY STEEL FABRICATORS ENGINEER, PER SPECIFICATION SECTION 05120.
 3. DESIGN CONNECTION FOR REACTIONS NOTED ON THE FRAMING PLAN. IF NO REACTION NOTED THEN DESIGN FOR 10 KIP MIN REACTION.

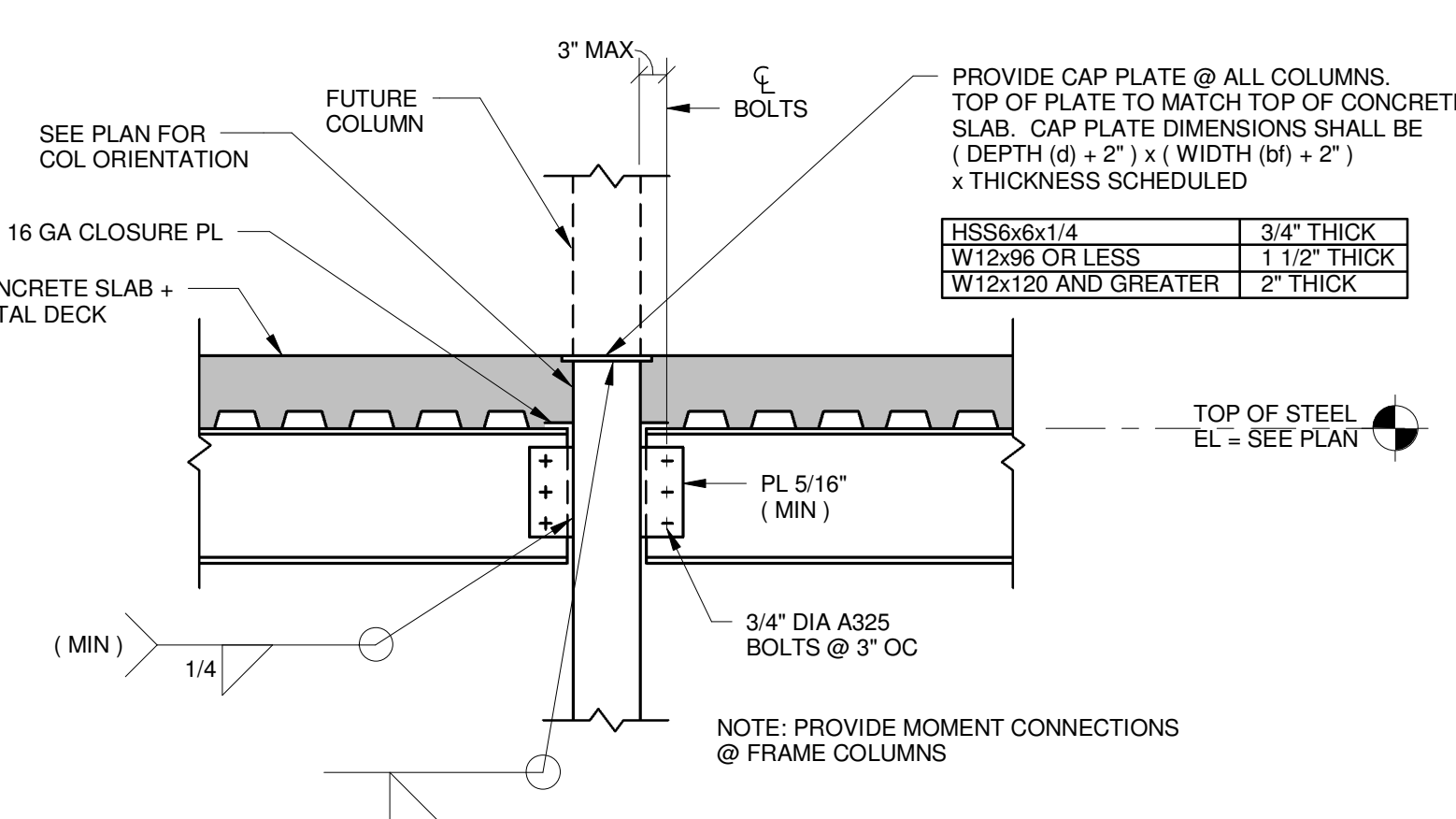


- NOTE:
1. CONNECTION SHOWN IS SCHEMATIC.
 2. DESIGN OF CONNECTION TO BE PERFORMED BY STEEL FABRICATORS ENGINEER, PER SPECIFICATION SECTION 05120.
 3. DESIGN CONNECTION FOR MOMENTS AND REACTIONS NOTED ON THE FRAMING PLAN. IF NO REACTION NOTED THEN DESIGN FOR 10 KIP MIN REACTION. IF NO MOMENT NOTED THEN DESIGN FOR 10 KIP-ft MIN.

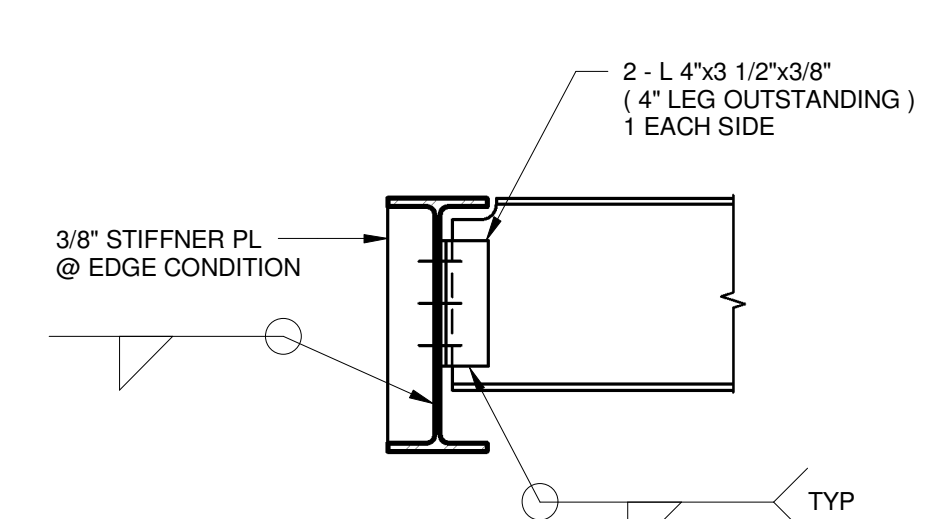


TYP BEAM MOMENT CONNECTION AT WIDE FLANGE COLUMN

- IF NO REACTION NOTED THEN DESIGN FOR 10 KIP MIN REACTION.

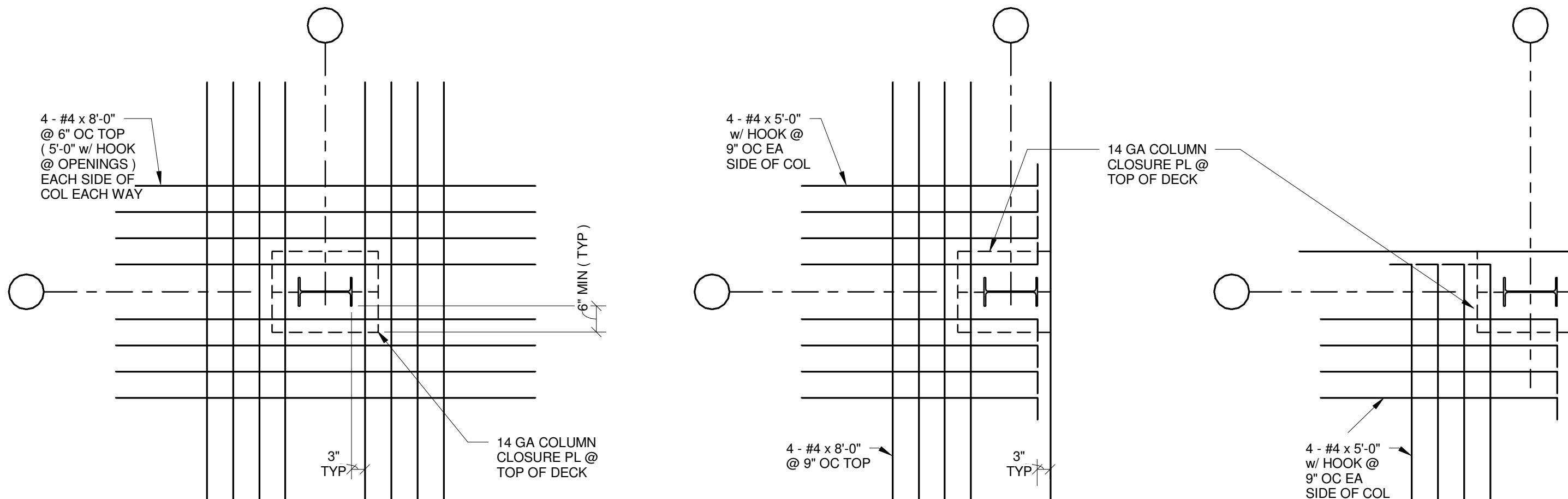
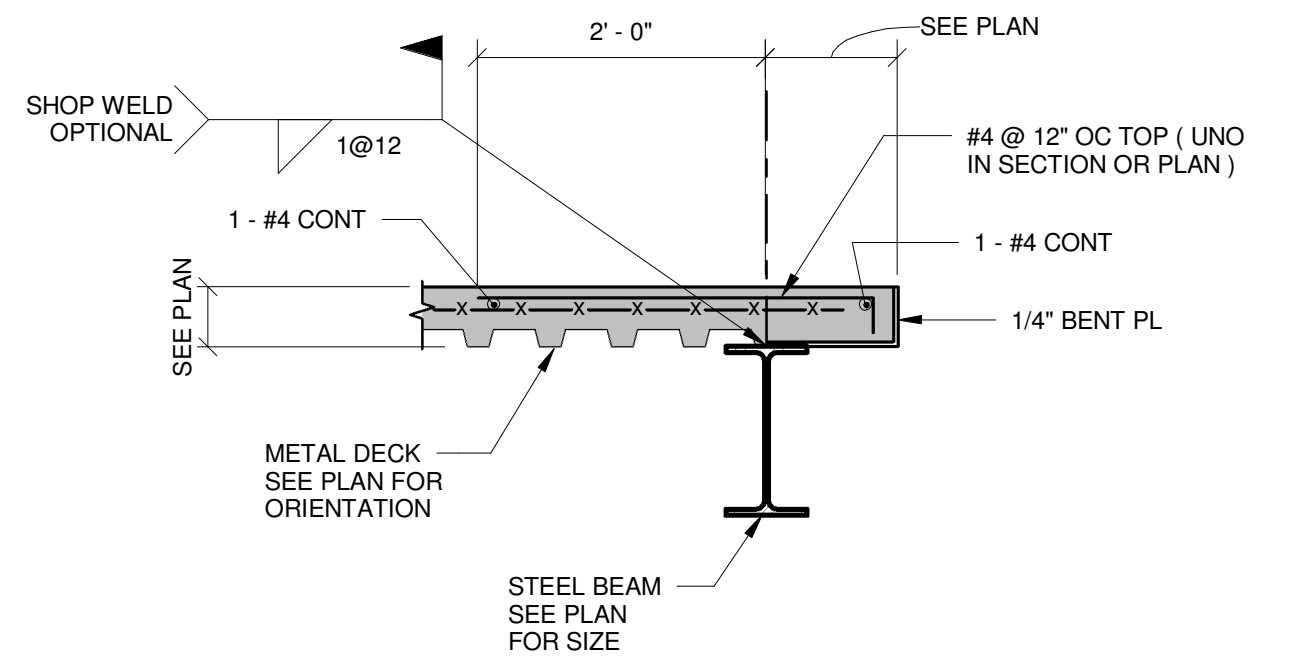


- NOTE:
1. CONNECTION SHOWN IS SCHEMATIC.
 2. DESIGN OF CONNECTION TO BE PERFORMED BY STEEL FABRICATORS ENGINEER, PER SPECIFICATION SECTION 05120.
 3. DESIGN CONNECTION FOR REACTIONS NOTED ON THE FRAMING PLAN. IF NO REACTION NOTED THEN DESIGN FOR 10 KIP MIN REACTION.



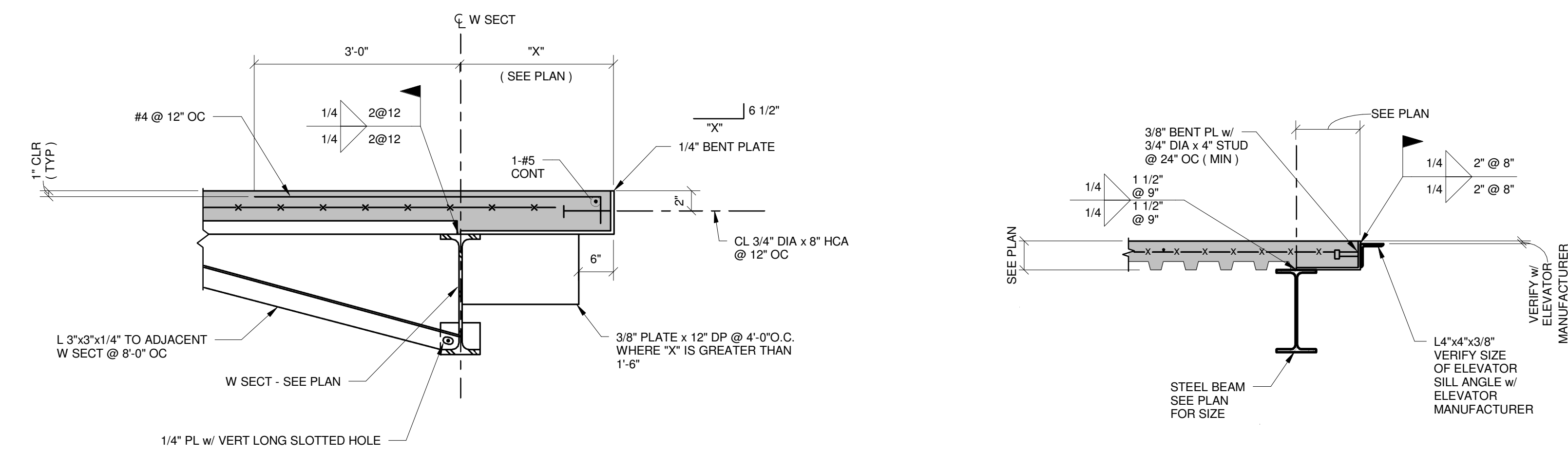
TYP BEAM TO BEAM CONNECTION

- 3/4" = 1'-0"



TYP SLAB REINF AT INTERIOR WIDE FLANGE COLUMN

- 1/2" = 1'-0"

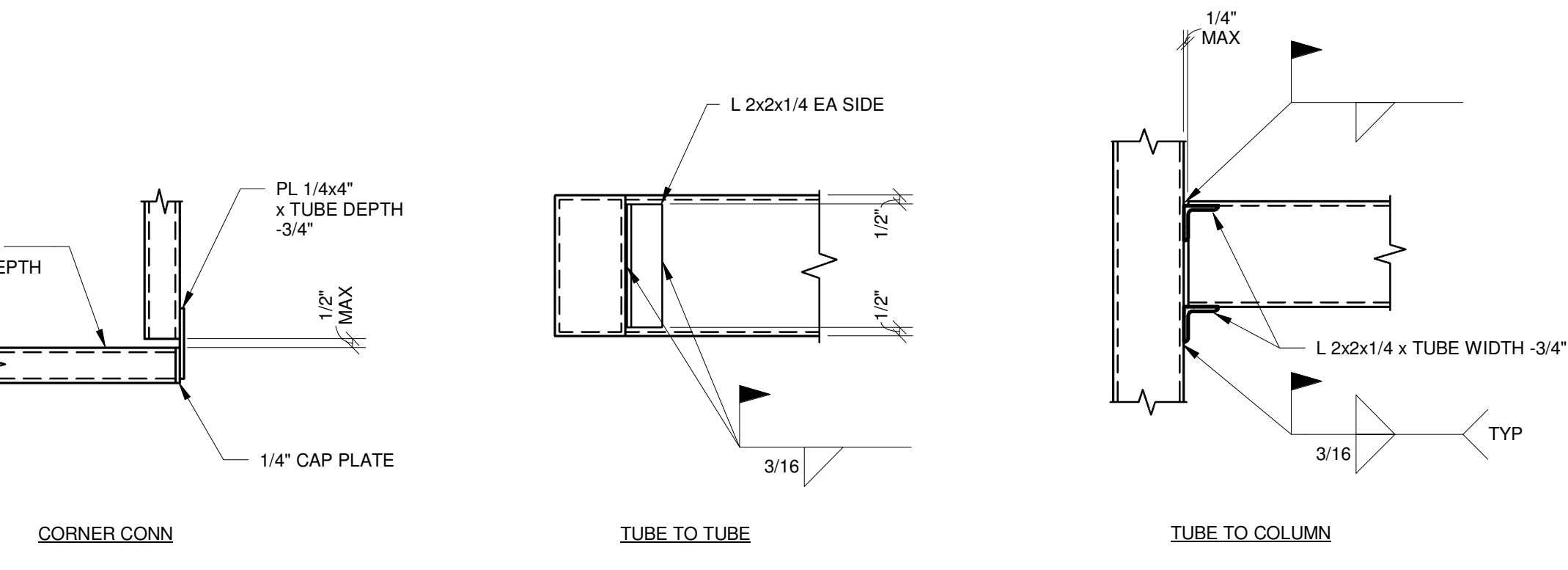


EDGE OF SLAB AT EXTERIOR

- 3/4" = 1'-0"

TYP ELEVATOR SILL

- 3/4" = 1'-0"



TYPICAL TUBE TO TUBE CONNECTION

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

3/4" SLAB RECESS AT TOILET ROOMS AT ELEVATED SLAB

- 3/4" = 1'-0"



CONSULTANTS:

ARCHITECT/ENGINEERS:

HEERY design
Heery International Inc.
125 South Dubuque Street,
Suite 500,
Iowa City, IA 52240-4003
319.354.4700

project number
HII-1125509

Drawing Title

DETAILS

CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
CONSTRUCT SPECIALTY CLINICS ADDITION

Location
ICVA HEALTH CARE SYSTEM

Date
09/25/2015

Checked
CGT

Drawn
NDS

Building No.
BLDG 50

Project No.
VA# 636-315

Drawing No.
50-S18

Dwg. 35 of 150

Office of
Construction
and Facilities
Management

VA U.S. Department
of Veterans Affairs

