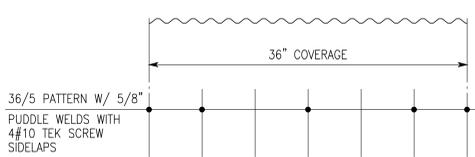
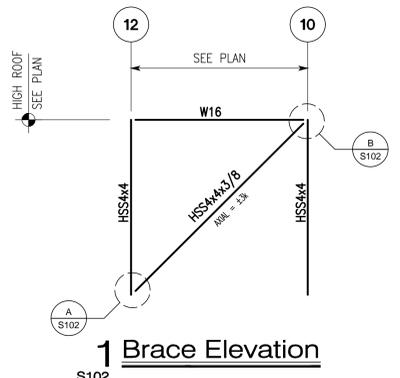


**Abbreviations**

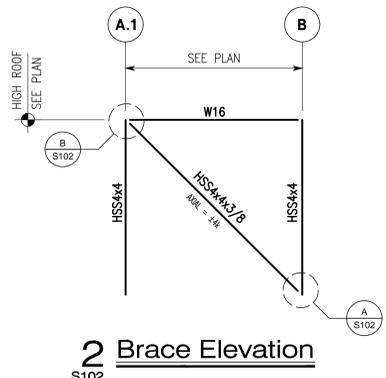
ABOVE FINISH FLOOR	- AFF	KIPS (1000 LBS)	- K
ADDITIONAL	- ADDNL	KIPS PER LINEAL FOOT	- KLF
ADJACENT	- ADJ	KIPS PER SQUARE INCH	- KSI
AIR CONDITIONER	- A/C	KIPS PER SQUARE FOOT	- KSF
AIR HANDLING UNIT	- AHU		
ALTERNATE	- ALT	LIGHTWEIGHT CONCRETE	- LWT CONC
ANCHOR	- ANC	LIVE LOAD	- LL
ANCHOR ROD	- AR	LONGITUDINAL	- LONG.
AND	- &	LONG LEG HORIZONTAL	- LLH
APPROVED	- APPROV	LONG LEG VERTICAL	- LLV
APPROXIMATE	- APPROX		
ARCHITECTURALLY EXPOSED	- ARCH.	MANUFACTURE (R)	- MFR
ARCHITECTURAL STEEL	- AESS	MASONRY	- MAS
AT (WHEN INDICATING SPACING ONLY)	- @	MASONRY OPENING	- MATL
		MAXIMUM	- MAX
		MECHANICAL	- MECH
		MEZZANINE	- MEZZ
		MIDDLE	- MID
		MINIMUM	- MIN
		MISCELLANEOUS	- MISC
		MOMENT	- M
		MOMENT CONNECTION(S)	- MC
		NEAR FACE	- NF
		NEAR SIDE	- NS
		NOMINAL	- NOM
		NOT IN CONTRACT	- NIC
		NOT TO SCALE	- NTS
		NUMBER	- NO. or #
		ON CENTER	- OC
		OPENING(S)	- OPNG(S)
		OPPOSITE	- OPP
		OUTSIDE FACE	- O.F.
		OUTSIDE DIAMETER	- OD
		OUTSTANDING LEG	- OSL
		PARALLEL	- PAR.
		PARTITION(S)	- PARTN(S)
		PENETRATION	- PEN
		PERMANENT	- PERM
		PERPENDICULAR	- PERP
		PLATE	- PL
		PLUMBING	- PLBG
		PNEUMATIC	- PNEU
		POST-TENSION	- PT
		POUNDS	- LBS
		POUNDS PER LINEAL FOOT	- PLF
		POUNDS PER SQUARE INCH	- PSI
		POUNDS PER SQUARE FT	- PSF
		POUNDS PER CUBIC YARD	- PCY
		POUNDS PER CUBIC INCH	- PCI
		PRECAST CONCRETE	- PC
		PREENGINEERED METAL BUILDING	- PEMB
		PREFABRICATED	- PREFAB
		PRELIMINARY	- PRELIM
		PRESSURE INJECTED FOOTING	- PIF
		PROJECTION	- PROJ
		RADIUS	- R
		REFERENCE	- REF
		REINFORCED CONC PIPE	- RCP
		REINFORCING	- REINF
		REQUIRED	- REQD
		RISER	- RIS
		ROOF	- RF
		ROOF DRAIN	- RD
		ROOF TOP UNIT	- RTU
		ROOM	- RM
		ROUND	- RND
		SCHEDULE	- SCHED
		SECTION	- SECT
		SHEAR	- V
		SHEET	- SHT
		SIMILAR	- SIM
		SPECIFICATION(S)	- SP
		SPECIFIED	- SPEC(S)
		SQUARE	- SQ
		STANDARD	- STD
		STEEL	- STL
		STIFFENER	- STIFF.
		STRAIGHT	- STR
		STIRRUPS	- STR.
		STRUCTURE OR STRUCT'L	- STRUCT
		SYMMETRICAL	- SYM
		SUPPORT(S)	- SUPT(S)
		TEMPERATURE	- TEMP
		TENSION	- T
		THICK	- THK
		TONGUE AND GROOVE	- T&G
		TOP AND BOTTOM	- T&B
		TOP CHORD EXTENSION	- TCX
		TOP OF BEAM	- TOB
		TOP OF FOOTING	- TOF
		TOP OF GRADE BEAM	- TOGB
		TOP OF JOIST	- TOJ
		TOP OF PEDESTAL	- TOPD
		TOP OF PIER	- T.O.P.
		TOP OF PILE CAP	- TOPC
		TOP OF STEEL	- TOS
		TOP OF WALL	- TOW
		TREAD	- TR
		TYPICAL	- TYP
		UNLESS NOTED	- U.N.
		VERTICAL	- VERT
		WATERPROOFING	- WPFG
		WATERSTOP	- WS
		WELDED WIRE REINFORCEMENT	- WWR
		WIND LOAD	- WL
		WIND MOMENT CONNECTION	- WMC
		WINDOW	- WDW
		WITH	- W/O
		WITHOUT	- W/O
		WOOD	- WD
		WORK POINT	- WP
		WEIGHT	- WT
		WIDE FLANGE	- WF
		JOINT	- JT
		JOIST(S)	- JST(S)
		JOIST GIRDER	- JG



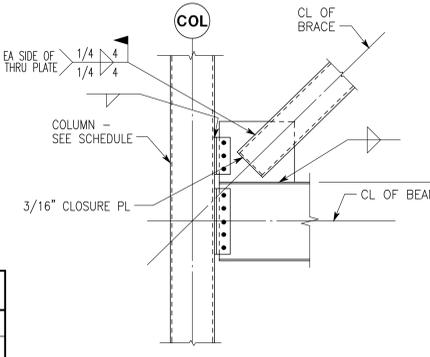
**Roof Deck Attachment Pattern Layouts**



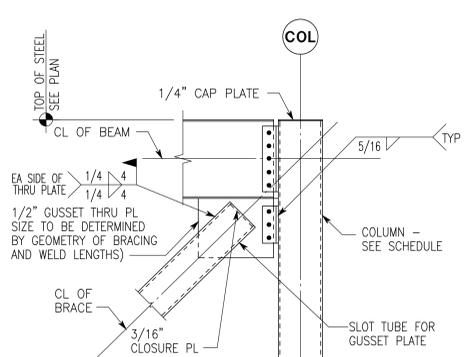
**1 Brace Elevation**



**2 Brace Elevation**



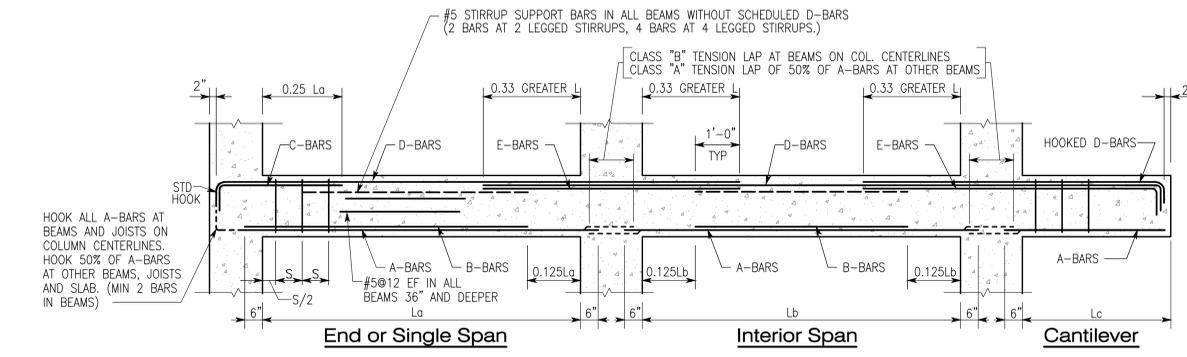
**A Detail**



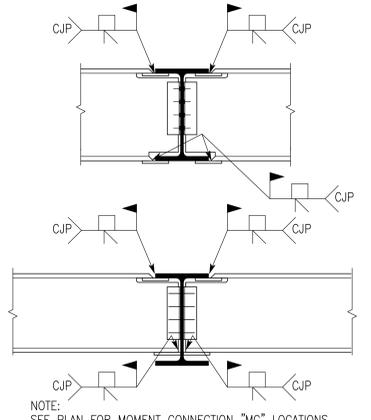
**B Detail**

BAR SIZE	Tension Lap Splice Lengths						
	f <sub>c</sub> = 3000			f <sub>c</sub> = 4000			
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	
#3	22"	28"	17"	22"	19"	24"	19"
#4	29"	37"	22"	29"	25"	32"	25"
#5	36"	47"	28"	36"	31"	40"	31"
#6	43"	56"	33"	43"	37"	48"	37"
#7	63"	81"	48"	63"	54"	70"	54"
#8	72"	93"	55"	72"	62"	80"	62"
#9	81"	105"	62"	81"	70"	91"	70"
#10	91"	118"	70"	91"	79"	102"	79"
#11	101"	131"	78"	101"	87"	113"	87"

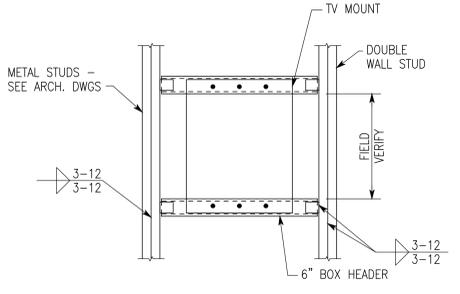
- THIS TABLE CONTAINS DEVELOPMENT AND SPLICE LENGTHS FOR NORMAL-WEIGHT CONCRETE SLABS ONLY.
- ALL DEVELOPMENT/SPLICE LENGTHS ARE IN INCHES (IN.).
- L<sub>d</sub> = TENSION DEVELOPMENT LENGTH, PER CHAPTER 12 OR ACI 318.
- TABLE SHALL APPLY WHEN ACI 318 MINIMUM COVER IS PROVIDED (THE GREATER OF 0.75" AND db) AND THE CENTER-TO-CENTER BAR SPACING IS ≥ 3\*db.
- WHEN LAP SPACING BARS OF DIFFERENT SIZES, THE LAP LENGTH IS DETERMINED BY THE SMALLER BAR, BUT SHALL NOT BE LESS THAN THE "CLASS A" SPLICE LENGTH OF THE LARGER BAR.
- THE VALUES FOR DEVELOPMENT/SPLICE LENGTH SHOWN IN THIS TABLE HAVE NOT BEEN FACTORED FOR EPOXY-COATED REBAR.
- TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINFORCEMENT.



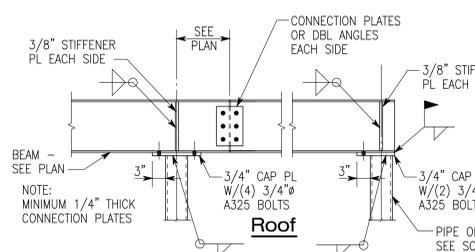
**Reinforcing Diagram for Beams, Joists & Slabs**



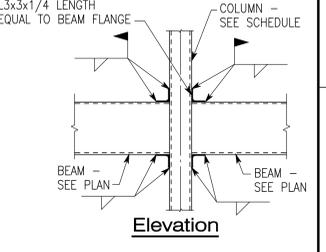
**Moment Connection Details**



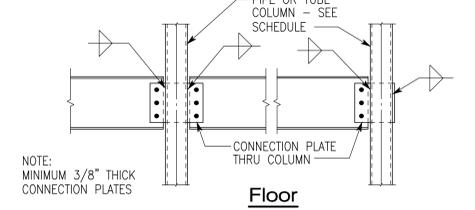
**TV Mount Reinforcement Typical Detail**



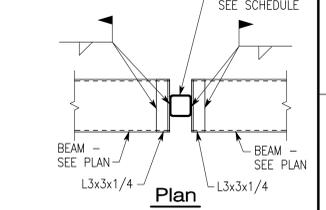
**Roof**



**Elevation**



**Floor**



**Plan**

**Beam/Column Connection Details**

**Tube Beam/Column Connection Details**

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**Drawing Title**  
**ABBREVIATIONS AND TYPICAL DETAILS**

**Approved Project Director**  
 James Zellander

**Project Title**  
 A/E AMBULATORY SURGERY IMPROVEMENTS

**Project Number**  
 521-328

**Building Number**  
 000000000

**Location**  
 VAMC - Birmingham, Alabama

**Date**  
 5/23/2014

**Checked**  
 WIN

**Drawn**  
 GVA

**Drawing Number**  
**S102**

**Dwg 3 of 124**

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