BEAM SCHEDULE

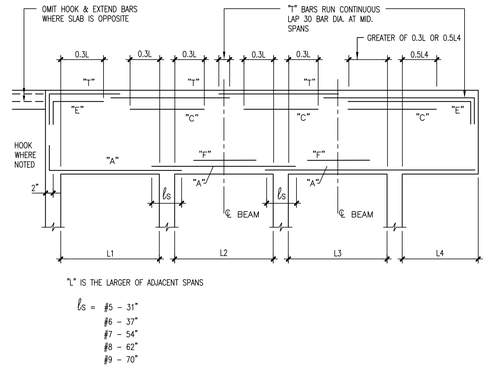
MARK	ELEV.	SIZE W	SIZE D	BOTT. REINF. A	TOP REINFORCING C BARS	TOP REINFORCING SUPPORT	TOP REINFORCING T BARS	TOP REINFORCING E BARS	STIRRUPS SIZE	STIRRUPS SPACING EACH END	REMARKS
2B-1	+18'-0"	30"xVARIES									SEE DETAIL A/ S5.0.01
2B-2	+18'-0"	30"x36"									SEE DETAIL A/ S5.0.01
2B-3	+18'-0"	30"x24"									SEE DETAIL A/ S5.0.01
2B-4	+18'-0"	30"x36"									SEE DETAIL A/ S5.0.01
2B-5	+18'-0"	30"xVARIES									SEE DETAIL A/ S5.0.01
2B-6	+18'-0"	30"xVARIES									SEE DETAIL A/ S5.0.00
2B-7	+18'-0"	30"x36"									SEE DETAIL A/ S5.0.00
2B-8	+18'-0"	30"x24"									SEE DETAIL A/ S5.0.00
2B-9	+18'-0"	30"x36"									SEE DETAIL A/ S5.0.00
2B-10	+18'-0"	30"xVARIES									SEE DETAIL A/ S5.0.00
2B-11	+18'-0"	30"xVARIES									SEE DETAIL A/ S5.0.00
2B-12	+18'-0"	30"x36"									SEE DETAIL A/ S5.0.00
2B-13	+18'-0"	30"x24"									SEE DETAIL A/ S5.0.00
2B-14	+18'-0"	30"x36"									SEE DETAIL A/ S5.0.00
2B-15	+18'-0"	30"xVARIES									SEE DETAIL A/ S5.0.00
2B-16	+18'-0"	30"xVARIES									SEE DETAIL A/ S5.0.00
2B-17	+18'-0"	30"x36"									SEE DETAIL A/ S5.0.00
2B-18	+18'-0"	30"x24"									SEE DETAIL A/ S5.0.00
2B-19	+18'-0"	30"x36"									SEE DETAIL A/ S5.0.00
2B-20	+18'-0"	30"xVARIES									SEE DETAIL A/ S5.0.00
2B-21	+18'-0"	30"xVARIES									SEE DETAIL A/ S5.0.00
2B-22	+18'-0"	30"x36"									SEE DETAIL A/ S5.0.00
2B-23	+18'-0"	30"x24"									SEE DETAIL A/ S5.0.00
2B-24	+18'-0"	30"x36"									SEE DETAIL A/ S5.0.00
2B-25	+18'-0"	30"xVARIES									SEE DETAIL A/ S5.0.00
2B-26	+18'-0"	30"xVARIES									SEE DETAIL A/ S5.0.00
2B-27	+18'-0"	30"x36"									SEE DETAIL A/ S5.0.00
2B-28	+18'-0"	30"x24"									SEE DETAIL A/ S5.0.00
2B-29	+18'-0"	30"x36"									SEE DETAIL A/ S5.0.00
2B-30	+18'-0"	30"xVARIES									SEE DETAIL A/ S5.0.00
2B-31	+18'-0"	30"xVARIES									SEE DETAIL A/ S5.0.03
2B-32	+18'-0"	30"x36"									SEE DETAIL A/ S5.0.03
2B-33	+18'-0"	30"x24"									SEE DETAIL A/ S5.0.03
2B-34	+18'-0"	30"x36"									SEE DETAIL A/ S5.0.03
2B-35	+18'-0"	30"xVARIES									SEE DETAIL A/ S5.0.03
2B-36	+18'-0"	30"xVARIES									SEE DETAIL A/ S5.0.03
2B-37	+18'-0"	30"x36"									SEE DETAIL A/ S5.0.03
2B-38	+18'-0"	30"x24"									SEE DETAIL A/ S5.0.03
2B-39	+18'-0"	30"x36"									SEE DETAIL A/ S5.0.03
2B-40	+18'-0"	30"xVARIES									SEE DETAIL A/ S5.0.03
2B-43	+18'-0"	12"x24"	4 #9			2 #6		#4	@ 12" o/c		ADD 1 #4 E.F.
2B-45	+18'-0"	12"x24"	4 #9			2 #6		#4	@ 12" o/c		ADD 1 #4 E.F.
2B-101	+18'-0"	26"x20"	2 #9			3 #9		#3	@ 12" o/c		SEE DETAIL 6/ S5.0.01
2B-102	+18'-0"	26"x20"	2 #9			3 #9		#3	@ 12" o/c		SEE DETAIL 6/ S5.0.01
2B-103	+18'-0"	26"x20"	2 #9			3 #9		#3	@ 12" o/c		SEE DETAIL 6/ S5.0.01
2B-104	+18'-0"	26"x20"	2 #9			3 #9		#3	@ 12" o/c		SEE DETAIL 6/ S5.0.01
2B-105	+18'-0"	26"x20"	2 #9			3 #9		#3	@ 12" o/c		SEE DETAIL 6/ S5.0.01
2B-106	+18'-0"	20"x20"	2 #9			3 #9		#3	@ 12" o/c		
2B-107	+18'-0"	20"x20"	2 #9			3 #9		#3	@ 12" o/c		
2B-108	+18'-0"	24"x24"	3 #9			4 #9	8 #9	#4	@ 10" o/c		ADD 1 #4 E.F.
2B-109	+18'-0"	24"x24"	3 #9	3 #9	(2)	4 #9		#4	@ 10" o/c		ADD 1 #4 E.F.
2B-110	+18'-0"	24"x24"	3 #9	3 #9	(3)	4 #9		#4	@ 12" o/c		ADD 1 #4 E.F.
2B-111	+18'-0"	24"x24"	3 #9	3 #9	(4)	4 #9		#4	@ 12" o/c		ADD 1 #4 E.F.
2B-112	+18'-0"	24"x24"	3 #9	3 #9	(5)	4 #9		#4	@ 12" o/c		ADD 1 #4 E.F.
2B-113	+18'-0"	24"x24"	3 #9	3 #9	(6)	4 #9		#4	@ 12" o/c		ADD 1 #4 E.F.
2B-114	+18'-0"	24"x24"	3 #9	3 #9	(7)	4 #9		#4	@ 12" o/c		ADD 1 #4 E.F.
2B-115	+18'-0"	24"x24"	3 #9			4 #9		#4	@ 10" o/c		ADD 1 #4 E.F.
2B-116	+18'-0"	24"x24"	3 #9			4 #9	6 #9	#4	@ 10" o/c		ADD 1 #4 E.F.
2B-117	+18'-0"	24"x36"	4 #8	6 #8	(1)	6 #8		#4	@ 12" o/c		ADD 2 #4 E.F.
2B-118	+18'-0"	24"x36"	4 #8			6 #8		#4	@ 12" o/c		ADD 2 #4 E.F.
2B-119	+18'-0"	24"x27"	4 #8	1 #9	(7)	3 #9		#4	@ 12" o/c		ADD 1 #4 E.F.
2B-120	+18'-0"	24"x27"	4 #8			3 #9		#4	@ 12" o/c		ADD 1 #4 E.F.
2B-121	+18'-0"	24"x24"	3 #9			4 #9	8 #9	#4	@ 10" o/c		ADD 1 #4 E.F.
2B-122	+18'-0"	24"x24"	3 #9	3 #9	(2)	4 #9		#4	@ 10" o/c		ADD 1 #4 E.F.
2B-123	+18'-0"	24"x24"	3 #9	3 #9	(3)	4 #9		#4	@ 12" o/c		ADD 1 #4 E.F.
2B-124	+18'-0"	24"x24"	3 #9	3 #9	(4)	4 #9		#4	@ 12" o/c		ADD 1 #4 E.F.

BEAM SCHEDULE

MARK	ELEV.	SIZE W	SIZE D	BOTT. REINF. A	TOP REINFORCING C BARS	TOP REINFORCING SUPPORT	TOP REINFORCING T BARS	TOP REINFORCING E BARS	STIRRUPS SIZE	STIRRUPS SPACING EACH END	REMARKS
2B-125	+18'-0"	24"x24"		3 #9	3 #9	(5)	4 #9		#4	@ 12" o/c	ADD 1 #4 E.F.
2B-126	+18'-0"	24"x24"		3 #9	3 #9	(6)	4 #9		#4	@ 12" o/c	ADD 1 #4 E.F.
2B-127	+18'-0"	24"x24"		3 #9	3 #9	(7)	4 #9		#4	@ 12" o/c	ADD 1 #4 E.F.
2B-128	+18'-0"	24"x24"		3 #9			4 #9		#4	@ 10" o/c	ADD 1 #4 E.F.
2B-129	+18'-0"	24"x24"		3 #9			4 #9	6 #9	#4	@ 10" o/c	ADD 1 #4 E.F.
2B-130	+18'-0"	24"x27"		4 #8	1 #9	(7)	3 #9		#4	@ 12" o/c	ADD 1 #4 E.F.
2B-131	+18'-0"	24"x27"		4 #8			3 #9		#4	@ 12" o/c	ADD 1 #4 E.F.
2B-132	+18'-0"	20"x20"		2 #9			3 #9		#3	@ 12" o/c	
2B-133	+18'-0"	20"x20"		2 #9			3 #9		#3	@ 12" o/c	
2B-134	+18'-0"	20"x20"		3 #9			3 #9		#3	@ 12" o/c	
2B-135	+18'-0"	20"x20"		3 #9			3 #9		#3	@ 12" o/c	
2B-136	+18'-0"	20"x20"		3 #9			3 #9		#3	@ 12" o/c	
2B-137	+18'-0"	20"x20"		2 #9			3 #9		#3	@ 12" o/c	
2B-138	+18'-0"	20"x20"		2 #9			3 #9		#3	@ 12" o/c	
2B-139	+18'-0"	20"x20"		3 #9			3 #9		#3	@ 12" o/c	
2B-140	+18'-0"	20"x20"		2 #9			3 #9		#3	@ 12" o/c	
2B-141	+18'-0"	20"x20"		2 #9	2 #9	(3)	2 #9		#3	@ 12" o/c	
2B-142	+18'-0"	20"x20"		2 #9	1 #9	(4)	2 #9		#3	@ 12" o/c	
2B-143	+18'-0"	24"x27"		4 #8			3 #9		#4	@ 12" o/c	
2B-144	+18'-0"	24"x27"		4 #8			3 #9		#4	@ 12" o/c	ADD 1 #4 E.F.
SB-1	+12'-0"	12"x18"		3 #5			2 #5		#3	@ 12" o/c	

NOTE (1)

CLOSED STIRRUPS. PROVIDE 4 #4 EACH FACE LONG.

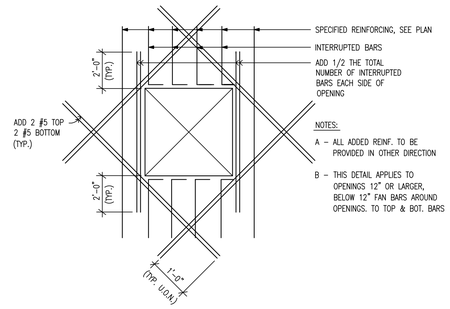


"L" IS THE LARGER OF ADJACENT SPANS

ℓ_d =
- #5 – 31"
- #6 – 37"
- #7 – 54"
- #8 – 62"
- #9 – 70"

TYPICAL BEAM BAR PLACING DIAGRAM

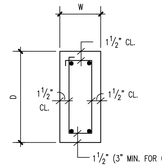
N.T.S.



SLAB OPENING ADDITIONAL REINF.

NTS

NOTE: THIS APPLIES TO STRUCTURAL SLABS



BEAM BAR COVER DIAGRAM

NTS

CLIENT

TOWN OF SURFSIDE COMMUNITY CENTER

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REGISTRATION

PROFESSIONAL OF RECORD: W. RONALD HUNT
DISCIPLINE: STRUCTURAL ENGINEERING
REGISTRATION NO.: 19689

ISSUE

MARK	DATE	DESCRIPTION

PROJECT NO:	60028604
DRAWN BY:	ALEJANDROP
CHECKED BY:	
DATE:	10-22-2009

KEY PLAN

SHEET TITLE

BEAM SCHEDULE

S4.1.00

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