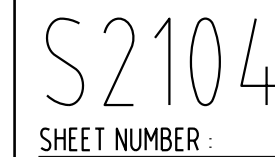


S2103
SHEET NUMBER :



SECTION	08
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TURNED DOWN SLAB AT LEVEL 1	0
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SECTION AT EXTERIOR WALL OPENING 04

SECTION AT LOADING DOCK HEADER BEAM

SECTION	07
---------	----

SECTION	0
---------	---

SECTION	03
---------	----

SECTION	01
---------	----

USE BUSINESS PARTNERSHIP FOUNDATION
ON BEHALF OF
USE CAMPUS PLANNING & CONSTRUCTION

PROJECT NAME
UNIVERSITY OF SOUTH CAROLINA
DARLA MOORE SCHOOL OF BUSINESS CONSTRUCTION
STRUCTURE

OSE PROJECT NUMBER
H27-6069-AC-2

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CIVIL ENGINEER, FIRE PROTECTION
ENGINEER
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SURVEYOR
DR BARBER & ASSOCIATES, INC.
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BID PACKAGE 2:
STRUCTURE
DECEMBER 9, 2011

PHASE

SEAL & SIGNATURE			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			

KEY PLAN & NORTH SIGN

FOUNDATION SECTIONS AND DETAILS

SHEET TITLE :

S2105
SHEET NUMBER :



S2106
SHEET NUMBER :

ISSUE NO.		ISSUE DATE		ISSUE NO.		ISSUE DATE	
1	2011 12 09	1	2011 12 09	1	2011 12 09	1	2011 12 09
2	2011 11 30	2	2011 11 30	2	2011 11 30	2	2011 11 30
3	2011 11 14	3	2011 11 14	3	2011 11 14	3	2011 11 14
4	2011 10 19	4	2011 10 19	4	2011 10 19	4	2011 10 19



BASE PLATE AND ANCHOR ROD SCHEDULE

28"x28"
12#8
#3@16"
T1
4000 PSI

COLUMN SCHEDULE	0
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S3101
SHEET NUMBER :

S4101
SHEET NUMBER :

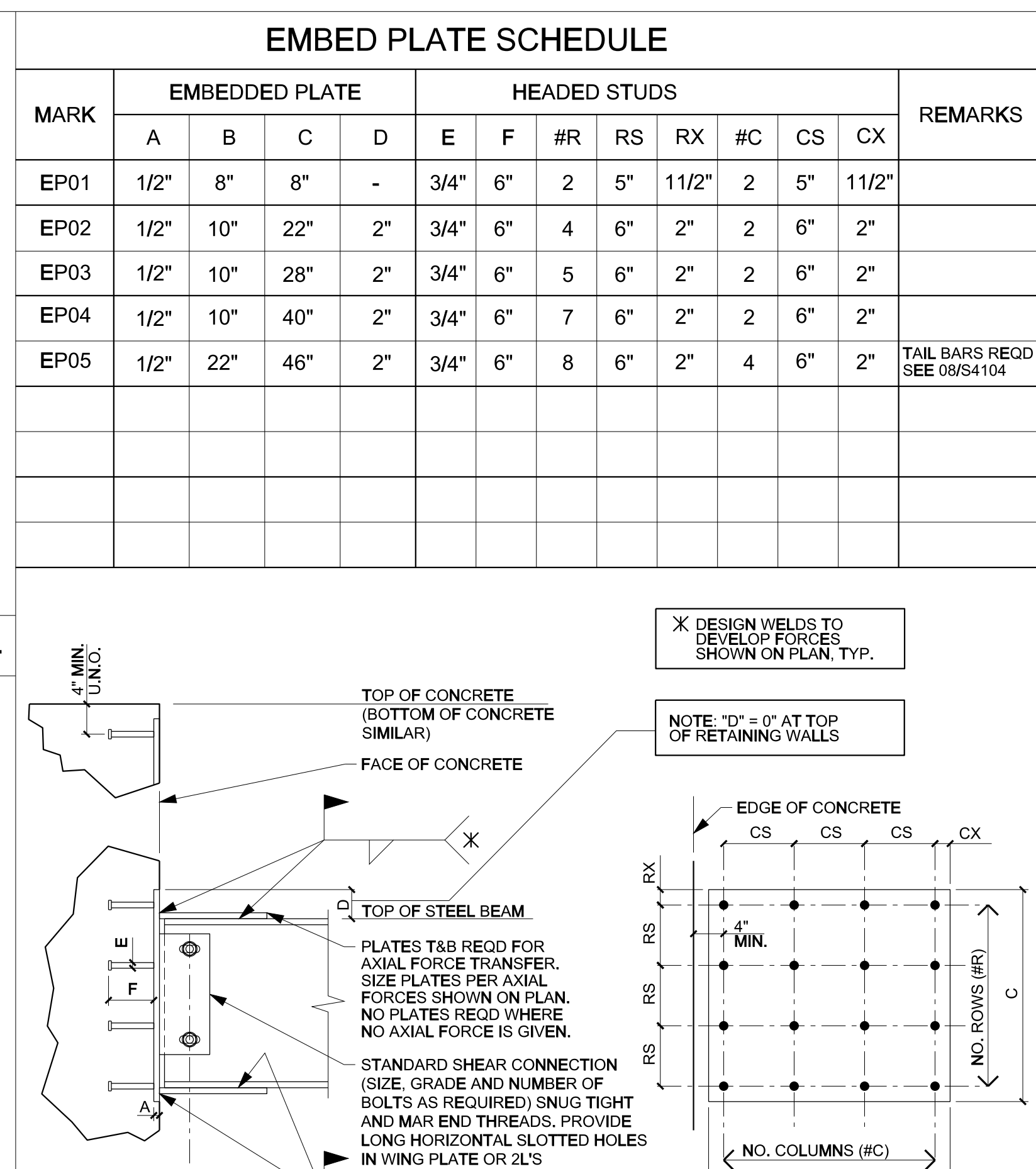


Diagram illustrating the design of a composite floor system, showing a cross-section and a plan view.

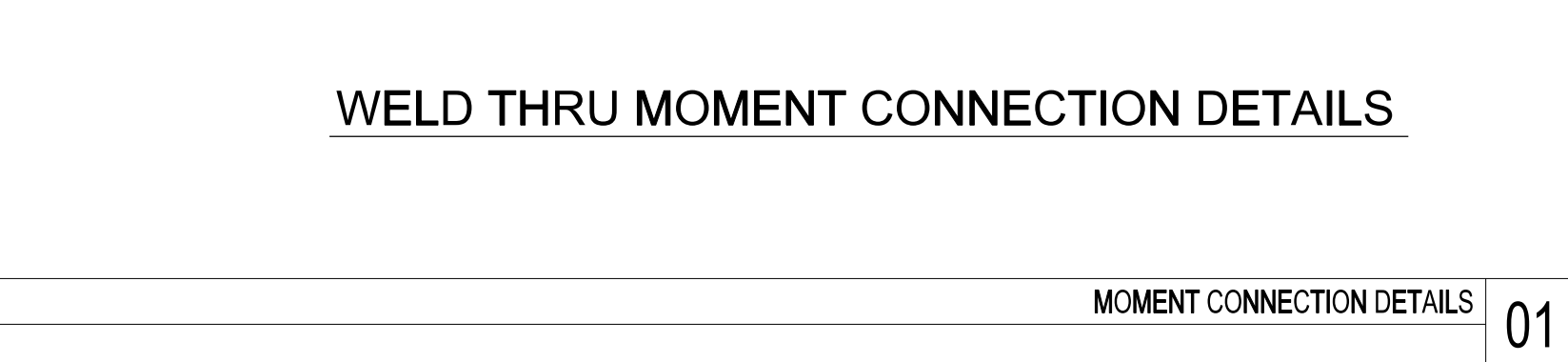
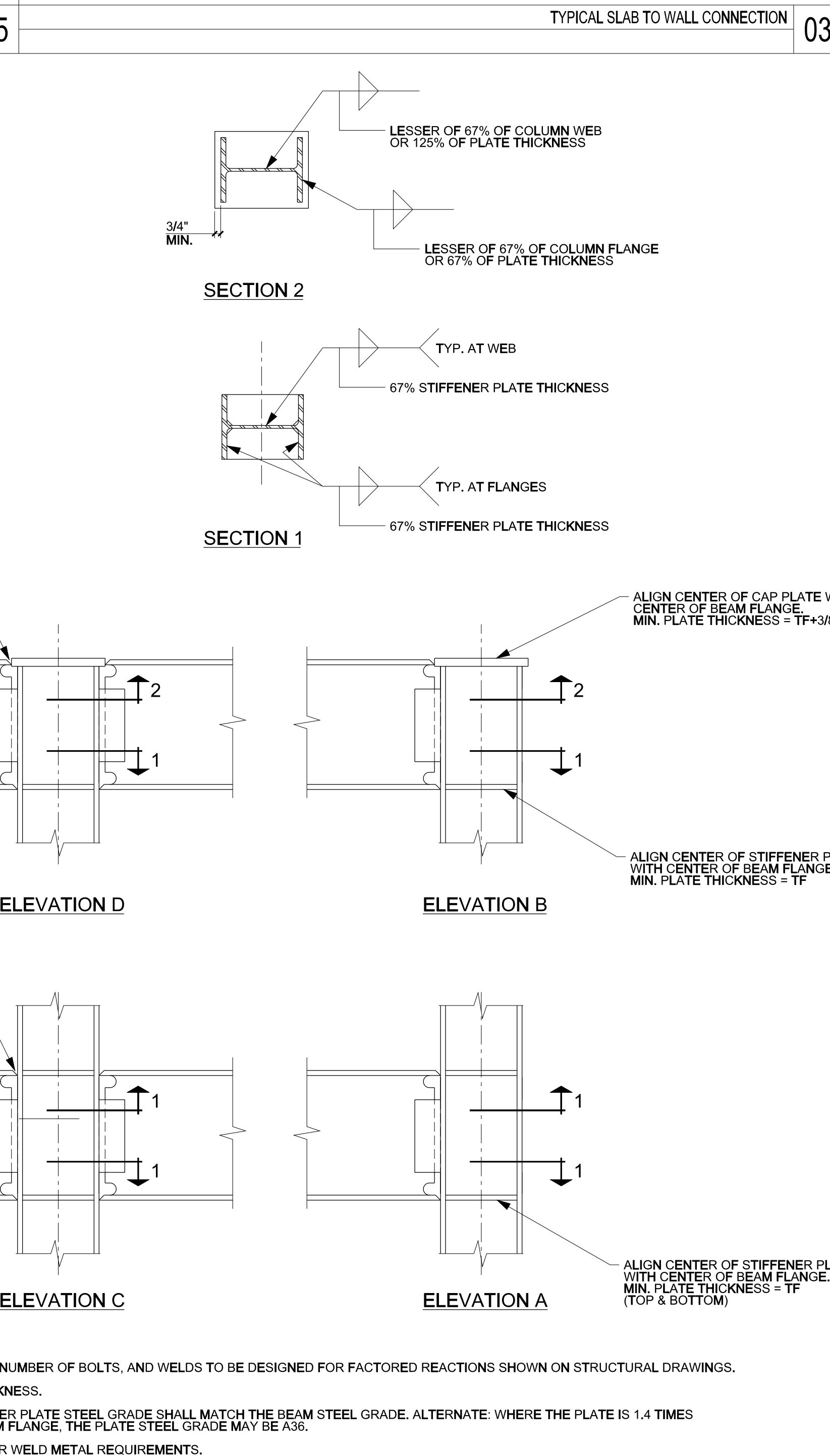
Cross-Section Details:

- 4" MIN. U.N.O. (Unreinforced Non-Overlapping)
- TOP OF CONCRETE (BOTTOM OF CONCRETE SIMILAR)
- FACE OF CONCRETE
- TOP OF STEEL BEAM
- PLATES TAB REQ'D FOR AXIAL FORCE TRANSFER. SIZE PLATES PER AXIAL FORCES SHOWN ON PLAN. NO PLATES REQ'D WHERE NO AXIAL FORCE IS GIVEN.
- STANDARD SHEAR CONNECTION (SIZE, GRADE AND NUMBER OF BOLTS AS REQUIRED) SNUG TIGHT AND MAR END THREADS. PROVIDE LONG HORIZONTAL SLOTTED HOLES IN WING PLATE OR 2LS
- X DESIGN WELDS TO DEVELOP FORCES SHOWN ON PLAN, TYP.
- NOTE: "D" = 0" AT TOP OF RETAINING WALLS

Plan View Details:

- EDGE OF CONCRETE
- CS (Center-to-Side spacing)
- CX (Center-to-Center spacing)
- RS (Row-to-Side spacing)
- RX (Row-to-Row spacing)
- 4" MIN. (Minimum plate thickness)
- D (Plate depth)
- E (Plate width)
- NO. ROWS (R/R)
- NO. COLUMNS (C/C)
- G (Total width)

S4102
SHEET NUMBER :



SECTION	18
---------	----

SECTION	13
---------	----

NOTE: ALL PLATES ASTM A36 U.N.O.



SECTION	05
---------	----

TYPICAL SECTION AT ROOF DECK 17

LEVEL 4 COMPOSITE DECK ATTACHMENT	12
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SECTION	04
---------	----

SECTION	16
---------	----



SECTION	03
---------	----

NOTES:

1. SEE 11/S4101 FOR TYPICAL
DETAIL AT SLAB OPENINGS
2. SEE 05/S4103 FOR INFO.
NOT SHOWN.



SECTION	02
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SECTION	14
---------	----

SECTION AT HANGING COLUMN	10
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SECTION	01
---------	----

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STRUCTURE
DECEMBER 9, 2011

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KEY PLAN & NORTH SIGN

FRAMING SECTIONS AND DETAILS

SHEET TITLE

S4104

SHEET NUMBER

SECTION AT INTAKE PIT	06
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S4105
SHEET NUMBER :





SHEAR WALL SECTION AT LEVEL 2	17
-------------------------------	----

SHEAR WALL DETAIL AT PEDESTAL	12
-------------------------------	----

SHEAR WALL SECTION AT ELEVATOR OPENING	07
--	----

REINFORCING AT WALL INTERSECTIONS - DOUBLE MAT REINFORCING

SHEAR WALL SECTION AT LEVEL 2 SKYLIGHTS	16
---	----

SHEAR WALL SECTION AT DOOR OPENING	11
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SHEAR WALL SECTION AT DOOR OPENING	06
------------------------------------	----

(A) LINTEL / SILL SECTION (B) LINTEL / SILL SECTION

PLAN VIEW

SHEAR WALL SECTION AT ELEVATOR OPENING	10
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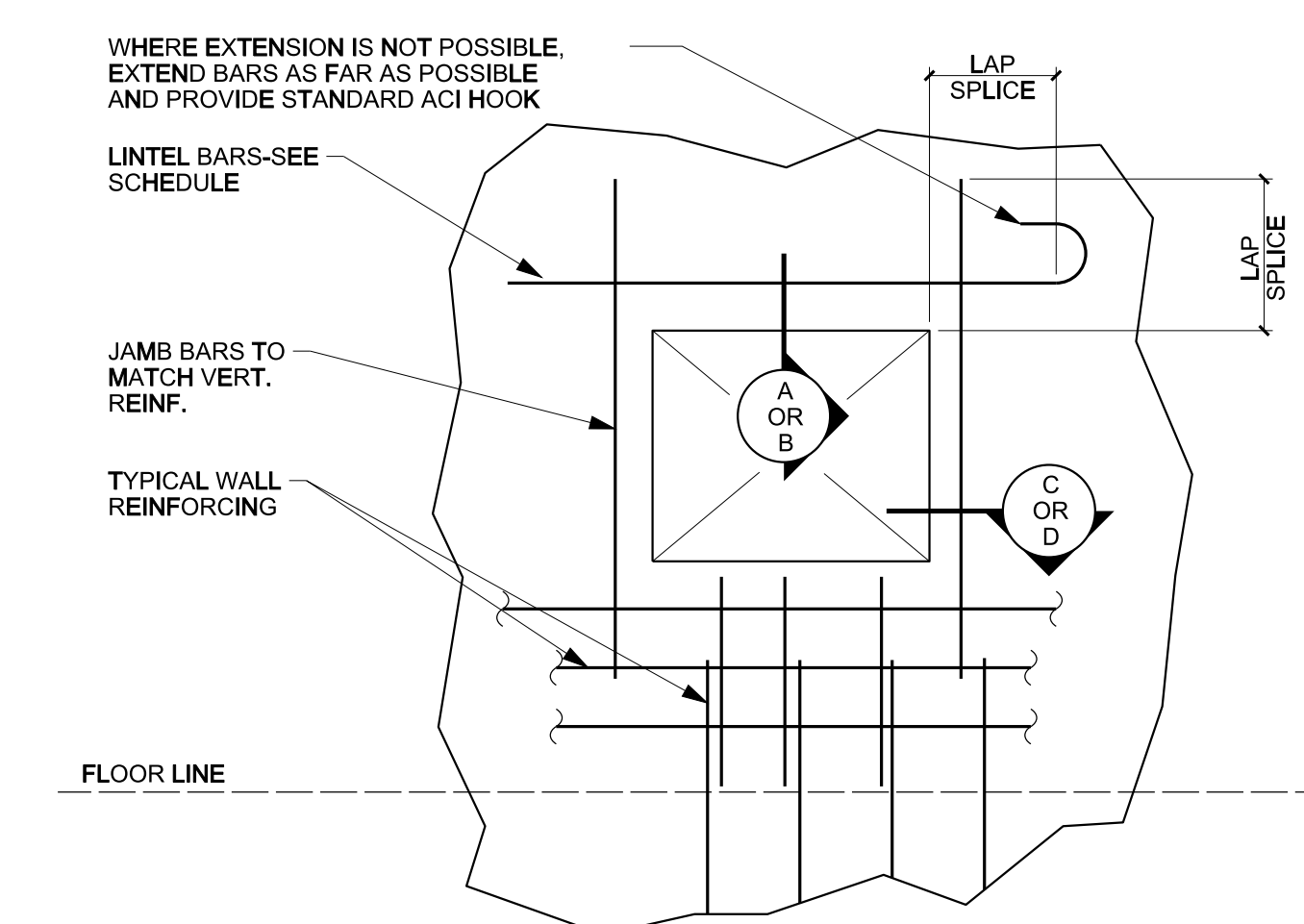
TYPICAL SHEAR WALL SECTION AT THICKNESS TRANSITION 05

☐ C JAMB _____
 ☐ D JAMB _____
 ☐ E ISOLATE _____
 SECTION _____

HEAR WALL DETAIL AT OPENING WITH EMBEDDED STEEL COLUMN

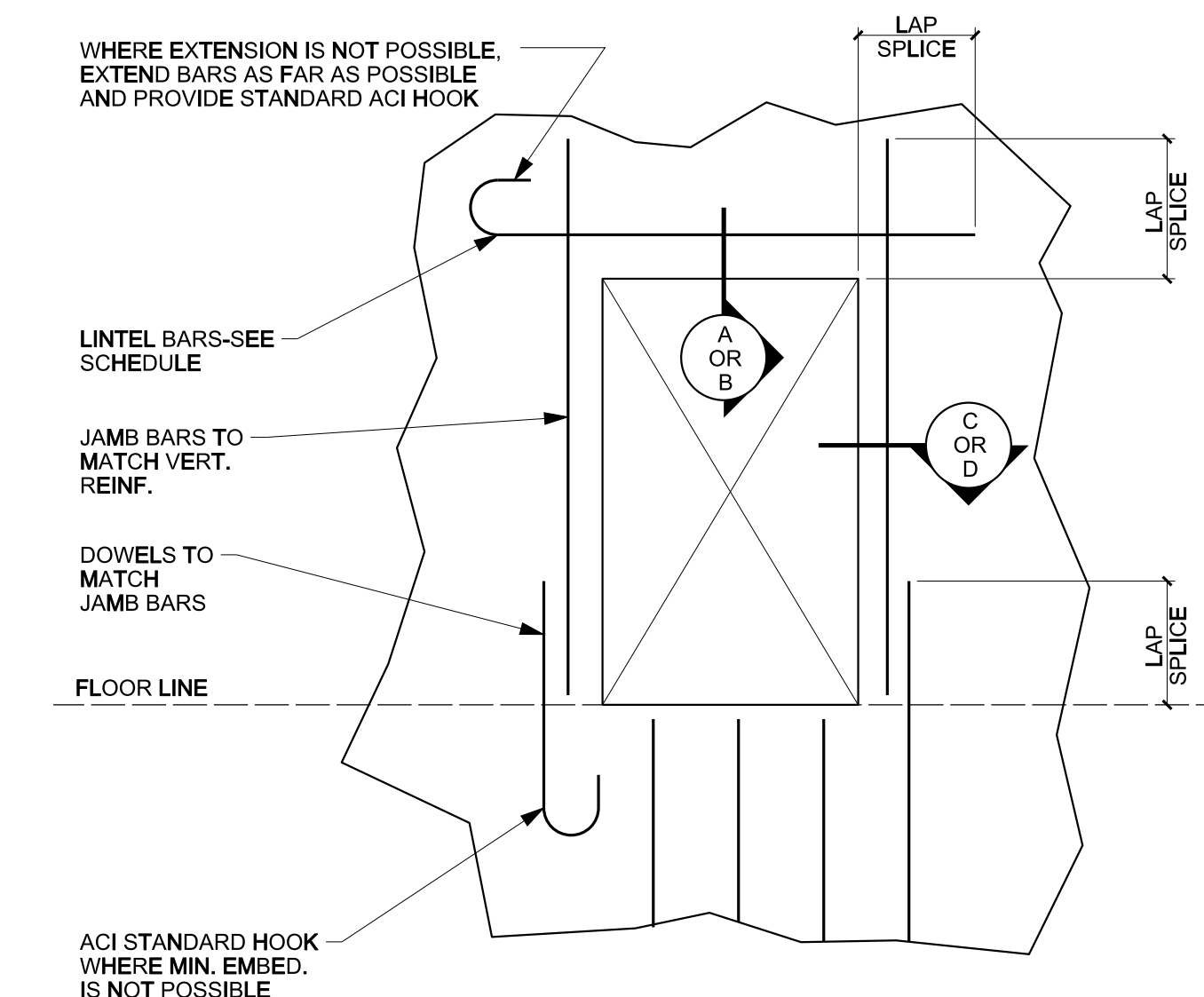
SHEAR WALL SECTION AT DOOR OPENING	00
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TYPICAL SHEAR WALL SECTION AT FLOOR SLAB 04



LINE	ITEM BAR	SCHEDULE
001	100	100
002	200	200
003	300	300
004	400	400
005	500	500
006	600	600
007	700	700
008	800	800
009	900	900
010	1000	1000
011	1100	1100
012	1200	1200
013	1300	1300
014	1400	1400
015	1500	1500
016	1600	1600
017	1700	1700
018	1800	1800
019	1900	1900
020	2000	2000
021	2100	2100
022	2200	2200
023	2300	2300
024	2400	2400
025	2500	2500
026	2600	2600
027	2700	2700
028	2800	2800
029	2900	2900
030	3000	3000
031	3100	3100
032	3200	3200
033	3300	3300
034	3400	3400
035	3500	3500
036	3600	3600
037	3700	3700
038	3800	3800
039	3900	3900
040	4000	4000
041	4100	4100
042	4200	4200
043	4300	4300
044	4400	4400
045	4500	4500
046	4600	4600
047	4700	4700
048	4800	4800
049	4900	4900
050	5000	5000
051	5100	5100
052	5200	5200
053	5300	5300
054	5400	5400
055	5500	5500
056	5600	5600
057	5700	5700
058	5800	5800
059	5900	5900
060	6000	6000
061	6100	6100
062	6200	6200
063	6300	6300
064	6400	6400
065	6500	6500
066	6600	6600
067	6700	6700
068	6800	6800
069	6900	6900
070	7000	7000
071	7100	7100
072	7200	7200
073	7300	7300
074	7400	7400
075	7500	7500
076	7600	7600
077	7700	7700
078	7800	7800
079	7900	7900
080	8000	8000
081	8100	8100
082	8200	8200
083	8300	8300
084	8400	8400
085	8500	8500
086	8600	8600
087	8700	8700
088	8800	8800
089	8900	8900
090	9000	9000
091	9100	9100
092	9200	9200
093	9300	9300
094	9400	9400
095	9500	9500
096	9600	9600
097	9700	9700
098	9800	9800
099	9900	9900
100	10000	10000

OPENING SIZE	REINFORCING
LESS THAN 5'-0"	2#5
5'-1" TO 7'-0"	2#6
7'-1" TO 9'-0"	2#7
MORE THAN 9'-0"	CONSULT ENGINEER



SHEAR WALL DETAIL AT EMBEDDED STEEL COLUMN

SHEAR WALL SECTION AT DOOR OPENING	00
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REINFORCING AT WALL INTERSECTIONS - SINGLE MAT REINFORCING 03

TYPICAL MINIMUM REINFORCING AT CONCRETE WALL OPENINGS

USC BUSINESS PARTNERSHIP FOUNDATION
ON BEHALF OF
USC CAMPUS PLANNING & CONSTRUCTION

PROJECT NAME:
UNIVERSITY OF SOUTH CAROLINA
DARLA MOORE SCHOOL OF BUSINESS CONSTRUCTION
STRUCTURE

OSE PROJECT NUMBER:
H27-6069-AC-2

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SUBVEOR:
BP BARBER & ASSOCIATES, INC.
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BUILDING CODE:
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3036 COMMERCIAL DRIVE, SUITE B17
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STRUCTURE
DECEMBER 9, 2011

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TYPICAL SHEAR WALL SECTIONS AND DETAILS

SHEET TITLE -

S5101
SHEET NUMBER :