

Technical Assignment 2

October 27th, 2006



Paul Parfitt AE 481W - 5th Year Thesis Pennsylvania State University

Faculty Advisor: Dr. Andres Lepage

Table Of Contents

Executive Summary	3
Existing System	5
Alternate System #1	7
Alternate System #2	8
Alternate System #3 1	10
Alternate System #4 1	12
Summary & Conclusion 1	13
Appendix	16

Executive Summary:

The purpose of this report is to determine through analytical methods and a comparison of industry system information, possible alternatives to the existing floor system for Tower 333. The existing system is a composite concrete deck supported by long span composite steel beams and girders.

Existing System:

The existing floor system is a 2-1/2" concrete slab on a 3" deep metal composite deck with an f'c of 4,000psi and WWF 6x6 W3.5xW3.5 reinforcing. Supporting the slab are W18x40 composite beams which span 42' N-S in a typical bay. The beams frame into composite girders on the interior which are typically W18x97 spanning E-W.

Alternative Systems:

When analyzing the alternative floor systems, criteria such as the overall weight of the system, vibration control, fire proofing, ease of construction and relative cost were considered. These alternative systems were then compared to the criteria performance of the existing floor system.

The following are the alternative floor systems considered:

- 1. Existing steel beam framing with light weight concrete deck.
- 2. Open web steel bar joists with thinner concrete deck.
- 3. 2-way flat slab with drop panels
- 4. 2 way post tensioned slab

Conclusion:

The main idea taken into consideration in this report was to develop a system that will allow for a core only design of Tower 333's lateral system. This lateral system would be utilizing the pre-existing concrete core of a previously abandoned construction project. Therefore the biggest factor considered was overall weight of each of the systems. Lowering the weight will decrease the seismic loads on the building, thus eliminating the need for the moment frames on the exterior of the building and turning it into a core only design. This slimming down of the building weight does have its consequences however in the form of costs, less fire protection and vibration control. It is important to note that elimination of the exterior moment frames will result in the need to carefully investigate any torsional movements of the overall building framing. While this is out of the scope of this particular report, it will be investigated in more detail in Technical Report 3.

The 2-way flat slab and post tensioned slab systems are ideal for controlling vibration and perform well for fire ratings due to their large mass. However, it is because of their heavy weights that they are almost immediately eliminated as a good alternative compared to the existing system. The steel bar joists on the other hand, have the advantage of being a less expensive (structural costs) and extremely light system. The downside to open web bar joists, especially with a thinner concrete slab is its vulnerability to vibration, which can be a major issue to ignore when designing an office environment. Open web bar joists were found to be the best alternative floor system to eliminate weight, but still require adequate fire protection. In conclusion, the best viable system that performs well under all the listed criteria is the existing composite framing utilizing a light weight concrete deck.

Existing Structural System:

Introduction:

Tower 333 is an 18 story office building with 8 levels of below ground parking. The building is scheduled to be completed in December of 2007. The code used to design Tower 333 was the IBC 2003 with reference to ASCE-7 02' for load values. For this analysis, ASCE -7 05' was used as an update. Floor loadings used were 50psf live load, 20psf partitions, 5psf mechanical, and 5psf miscellaneous.

Existing Floor System:

The typical bay of the upper office floors of Tower 333 are supported by 42' long W18x40 composite beams with a camber of 1-1/2" and 30' long W18x97 composite girders with a camber of ³4". Both have a strength of 50ksi. These members in turn support a 2-1/2" concrete slab on a 3" deep composite metal deck with the strength of the concrete being 4,000psi. To control expansion and contraction of the concrete there is WWF 6x6 W3.5xW3.5 reinforcing in the slab. The floor to floor height is 13'-10" and the overall weight of this system is 58 psf with a framing depth of 24". The finished floor to finished ceiling height is 10' which allows 2-10" of plenum clearance space. This plenum space is utilized for the mechanical equipment which incorporates a variety of 12" and 14" deep ducts to transport air to strip diffusers along the perimeter of the building. Refer to Figure 1 for a framing plan of the existing system.



Figure 1: Existing Structural Steel Floor Framing

Alternative System #1: Existing Framing with Lightweight Concrete

With the idea of lighter is better for this study and with the convenience of using the existing framing, using lightweight concrete is a viable alternative to the existing floor system. The drop in concrete deck weight from 50 psf to 39 psf is a considerable advantage in weight. For 23,000sq.ft floor plates a savings of 253 kips per floor is realized. With seventeen additional floors, over 4,300 kips of dead weight can be eliminated. This does not account for the smaller beam and girder sizes that also result from the lower slab weight. This loss of dead weight could have a substantial impact on eliminating the moment frames and reaching a core only lateral system. Keeping the slab the same thickness, and utilizing the same type of steel framing, the 2 hour fire protection criterion remains the same as the existing system. The disadvantages to the light weight concrete are that it will be more expensive to produce. The lighter system might also pose a problem with vibration control. However, the cost and time savings of eliminating the exterior moment frames from the structure could outweigh the additional cost of utilizing lightweight concrete. In conclusion, this would be an advantageous alternative system and should be analyzed further.

Using the Vulcraft steel roof and floor deck catalog, and the AISC Manual of Steel Design LRFD 2005, it was determined that the new system would use a 2-1/2" lightweight concrete slab on a 3" composite deck with a recommended WWF of 6x6-W1.4xW1.4. Supporting the slab should be a W18x35 beam with a total of 26 shear studs. The girders would be W18x60 with a total of 24 shear studs. Camber on both girders and beams will be approximately the same as the original design. This alternative is reflected in Figures 2 and 3 that follow.



Figure 2: Composite Deck with Lightweight Concrete.



Figure 3: Existing Framing System Typical Bay

Alternative System #2: Open Web Steel Joists with 2-1/2" Deck

If weight is used as the overall controlling concern, then open web steel joists would be a good alternative floor system. Their extremely light weight construction would reduce the deadweight even further than the light weight concrete of alternative system #1. Having a total dead weight of 35 psf, including the 2-1/2" concrete slab, with the joists spaced at 24" on center, the open web joists are the lightest of all five systems. This would likely provide the best chance at achieving a core only lateral system.

Open web joists are also very economical to construct especially considering that the 2-1/2" slab eliminates 3" worth of concrete over the whole floor. However, with the 42' spans and their light weight construction, the ease at which this system will resist vibration is going to be a big disadvantage. Another disadvantage is the fact that this system will be over 24" deep, including the slab, joists and girders. This deep system will leave the mechanical system, including distribution ducts and equipment with very little room, which might force the finished floor to ceiling height to drop below the 10'. This change in architecture of the building might not be beneficial for the building especially considering that the 10' floor to ceiling heights, in conjunction with high windows, have an impact on the building's LEED rating regarding daylight penetration. The complications of fireproofing open web joists also pose a disadvantageous issue. Thus it can be determined that due to floor vibrations and a deeper floor depth that this system is not going to be an advantage over the existing system. Using the Vulcraft steel roof and floor deck catalog, the New Columbia Joist Company catalog and the AISC LRFD 05' manual, the joist system designed is a 2-1/2" normal weight concrete slab on a 9/16" non-composite deck, with 24K9 joists spanning 42' at 24" on center. The girders supporting the joists were determined to be W24x76 non composite. It is worthy to note that if sacrificing weight in the girder is not an issue; a shallower W-shape can be achieved with a W21x83, W18x86 or a W16x100.

Figures 4 and 5 that follow provide additional detail on the open web joist alternative for Tower 333.



Figure 4: 24K9 Open Web Bar Joists with 2-1/2" Concrete Deck



Figure 5: Typical Bay for Open Web Bar Joists

Parfitt – Tower 333 Page 9 of 27

Alternative System #3: 2-Way Flat Slab with Drop Panels

Despite Tower 333 being a steel framed building, one alternative would be to consider concrete framing. A 2-way flat slab might be an efficient floor system. However, with the typical bay of the existing structure being 30'x42', additional columns would have to be added to achieve a smaller bay size for economy reasons. A square bay size would be the most advantageous alternative. This adding of columns could pose two problems. One being that the addition of columns into the middle of the floor eliminates rentable floor space as well as the open plan design. The second problem is that these columns will add additional cost and require a retrofit of the existing foundations.

One advantage to a flat slab is its ease of constructability. With the exception to the drop panels, very little formwork is needed. This allows these systems to be built efficiently and at low cost. This 2-way slab design for Tower 333 results in the slab having a depth of 10.5" and drop panels 9" deep. Therefore the overall depth of the floor system is less than 24". This decrease in floor depth allows the mechanical equipment more room in the plenum space while still maintaining the 10' high floors the architect has specified.

The main disadvantage to this system is its weight. The dead weight of this system with 30'x30' bays is approximately 150psf which is more than double the previous two systems. For 20'x20' bays the dead weight is 116psf. With typical bays in Tower 333 being 20'x30' we can then reason that the dead weight of the system would be somewhere between 116psf and 150psf. This increase in dead weight, along with the building located in a seismic zone and being 260ft high will immediately eliminate any possibility of using the existing core as a core only lateral system. Therefore system #3 has been eliminated from the list of viable alternative floor systems.

Using the CRSI 2002 design guide it was determined that for a 30'x30' square edge panel the slab thickness would need to be 10.5". A preliminary analysis and design of the slab is listed below:

	30'x30' Sq	uare Edge Bay
Rein	forcing:	Size of Drop Panel:
Col. Strip	Mid Strip	9" deep
·		·
14 #5		10' wide
13 #8	11 #7	Min. Sq. Column Size: 16"
18 #6	14 #5	Conc. Weight: 150psf
	Rein Col. Strip 14 #5 13 #8 18 #6	30'x30' Sq Reinforcing: Col. Strip Mid Strip 14 #5 13 #8 11 #7 18 #6 14 #5

The design of a 20'x20' square edge panel would require a minimum slab thickness of 9".

		20'x20' So	quare Edge Bay
	Rein	forcing:	Size of Drop Panel:
	Col. Strip	Mid Strip	2.5" deep
Тор.			
Ext.	10 #4		6.67' wide
Bottom	12 #4	10 #4	Min. Sq. Column Size: 14"
Top. Int.	19 #4	10 #4	Conc. Weight: 116psf

Figures 6 and 7 that follow show the general design layout for this alternative system.



Figure 6: 2-Way Flat Slab with Drop Panels



Figure 7: Typical Bay of 2-Way Flat Slab

Alternative System #4: 2-Way Post-Tensioned Slab

The 2-way post-tensioned slab alternative floor system is similar to the 2-way flat slab except for the fact that it does not need extra columns to create smaller bay sizes. Due to the post tensioning tendons, the slab is capable of spanning Tower 333's full bay spans of 30' and 42'. This advantage allows the retention of column free space for an open floor plan, which in turn means more rentable space and a higher quality space from a real estate perspective Another advantage is the depth of the slab. The overall floor depth, including the drop heads which were determined to be at least 7.5" deep, is 19". This leaves the mechanical equipment with over 2' of usable space.

One of the disadvantages to the 2-way post tensioned slab is the laying of the posttensioned tendons. The laying of the tendons is a complicated process, which leaves little room for error. The large dead weight of the post-tensioned system is another negative factor in this system.

A calculated slab depth of 11.5", not counting the drop heads, results in the posttensioned floor system weighing almost 150psf. This is more than double the weight of alternate systems #1 and #2. Also, given the long span of 42' which is slightly greater than the PTI recommended max span of 40' likely could result in the use of higher strength concrete and larger numbers of high strength tendons. Along with the heavy slab and long spans is the need for large drop heads to minimize deflection and conventional stresses. In summary, it was concluded that due to the large dead weight of the 2-way post tensioned slab which would generate additional seismic loads and the long span condition, that this alternate system would not fit the requirements for pursuing a core only lateral system.

Following the PTI design guide for post tensioned slabs and the Atlas Prestressing Corp. design workbook provided by Dr. Boothby for use in preliminary design, the resulting 2-way post tensioned slab was 11.5" deep with 20" square columns, 23 - ½" dia. tendons running in the 30' span and 44, ½" dia. tendons running in the 42' span. The heavy slab resulted in the need for drop heads of a minimum thickness of 7.5" primarily to accommodate punching shear. Had this system proven to be a viable alternative, further analysis would be performed to determine the width of the drop heads and the reinforcing needed in the slab. The tendon layout and resulting forces used for the design for the shorter span direction is shown in Figure 8.



Figure 8: Draping Diagram with Tendon Forces

Summary and Conclusions:

Alternative System Comparison:

The results of the alternative floor system analysis and preliminary design for Tower 333 are shown in the comparison chart that follows (Figure 9).

	Open Web Joists	Lightweight Concrete & Steel Beams	2-Way Flat Slab	2-Way Post-Tensioned Slab	Normal Weight Concrete & Steel Beams
Weight	35psf	39psf	116-150psf	144psf	50psf
Max Depth	26.5 inches	23.7 inches	19.5 inches	19 inches	23.7 inches
Column Free Floor Plate?	YES	YES	NO	YES	NO
Vibration	YES	NO	NO	NO	NO
Additional Fire Proofing	YES	YES	NO	NO	YES
Constructability	Easy	Medium	Easy	Medium	Medium
Relative Cost	High	Medium	Low	Low	Medium
Alternative to Existing?	NO	YES	NO	NO	Existing System

Figure 9 Alternative System Comparison Chart

Parfitt – Tower 333 Page 13 of 27 All four systems analyzed in this report would in fact work for Tower 333 given the right circumstances and requirements. The main criterion which resulted in the largest effect was the weight of each system. The eventual goal is to achieve a core only lateral system. This would be achieved by utilizing the existing core and foundation system previously abandoned by a different owner of the site due to financial issues. The existing system of composite W shapes, and concrete on composite metal deck already requires the use of moment frames on the exterior of the building in conjunction with the existing core system. Thus, any system that produces substantially higher dead weights was immediately recognized as at a disadvantage and quickly eliminated from the list of viable alternatives.

The 2-way flat slab does have the advantage of thinner floors and ease of constructability with no need for additional fire protection. However the addition of columns to create smaller bays creates the need for retrofitting the foundation as well as eliminating the open-plan floor plate. This in addition to the heavy weight of the 2-way flat slab eliminates it as an option.

The 2-way post tensioned slab also has the advantage of thinner floors and no additional fireproofing. The post tensioning system would allow column free floor plates and make the system ideal were it not for the increased weight and unusual long span. Thus due to the heavy weight and the 42' span being slightly larger than the PTI recommendation, the 2-way post tensioned slab is also eliminated.

One alternative system that is extremely light is the open web joist system. The substantial decrease in dead weight of the system makes the open web joists ideal for the goal of turning Tower 333's lateral system into a core only system. However, due to the decreased weight, the open web joists are susceptible to vibration. The thin 2.5" deck, light weight joists and 42' long span drastically limit the amount of vibration the floor system will resist. Along with resistance to vibration is the disadvantage of fireproofing. Spray on fireproofing for open web joists is not only costly but difficult to do. The depth of the open web steel joists is also a factor. At over 24"deep the joists are pushing the limits of how much space the mechanical equipment will have. With these factors in mind, the open web joists are then scratched from the list of alternative floor systems.

The only alternative floor system that fits the criteria of lighter weight, resistance to fire and vibration, economical and minimum floor depth is the existing framing system with a lightweight concrete deck. By leaving the deck the same depth, a 2 hour fire rating is maintained while also resisting floor vibrations. Utilizing the same steel framing, with the exception of lighter W shapes, no additional costs to fireproofing the steel is needed. By using lightweight concrete on the composite deck, the dead loads are greatly reduced. These advantages lead to the lightweight concrete deck as the best possibility of a core only lateral system while still maintaining the functionality of the original existing system.

References:

AISC Manual of Steel Construction, LRFD, Thirteenth Edition 2005

Atlas Prestressing Corp. Post-Tensioned Concrete Design Workbook

Post-Tensioning Institute Design of Post-Tensioned Slabs

CRSI Handbook 2005

ACI 318 - 05

Appendix:

Calculations and Design Charts

$$F_{CONSCRPT} = F_{CONSCRPT} = F_{C$$

$$\frac{5^{3}}{2} \frac{1}{2} \frac{1}{2}$$

Parfitt – Tower 333 Page 18 of 27

SYSTEM 1 Pa 3 BEAM DESIGN WIBX35 W/ ZOSTUDS & CAMBER OF 1.8" . NEW SYSTEM IS LIGHTER THAN DESIGNERS OF W13×40 GIRDER CHECK: Campan 6312 63× x-10' +10' +10' -+ Mu= Pa = (68×)(10') = 630'K $\overline{\Delta}$ 9 H 30' - X Assume a = 1'' bese = 40' = 480'' or $\frac{30'(12')}{4} = \frac{90''}{4}$ Y2=5.5-2=5" TRY WI8X46 \$M. = 7121 501K Eq. = 677 check assumption a=1.0 a - 6974K = 2.2 NO GOOD => TRP WIEK50- OBFL BM = 644 *85(4000prix (90") EG = 300 Egn = 306 a = 306 to = 1.0 ...ok. Y2 = 5" ...ok to = 5005 306 to 218 / 500 = 218 / 500 218 / 500 = 15 Stubs ON BACH SIDE : 30 STUDS TOTAC

SYSTEM 1
SYSTEM 1
CHECK DEFLECTIONS IN GIRDER

$$f_{arrow} = 16^{4}$$

 $f_{arrow} = 20.44^{4}$
 $f_{arrow} = 20.44^{4}$
 $f_{arrow} = 10.41^{4}$
 $f_{arrow} = 10.41^{4}$



$$SYGTEM 2 \qquad Tol
SYGTEM 2 Tole and the second of the seco$$

| | f'c
Gr

 | = 4
ade 6 | ,000 p
60 Bai | osi
rs | | S | QUARE
 | FLA
EDGE | PANE | AB SY
 | YSTEN
With | VI
Drop | Panels | 5 | |

 | SQ
 | UAR | E INT | ERIO
p Pane
 | R PA | NEL | |
--
--
--
--|---|---|--|--|---
--|---|--
---|--|---|--
---|---
--

--	--	---

 | Factored | | _ | | (1) | F
 | REINFO | No
RCING | Beams
 | 6
(E. W.) | - | M | OMEN' | TS | Factored

 | 0
 | BEI | No E | Beams
 | ARS (F | W) | 1.1 |
| | C-C.

 | posed
Load | Depth | width | Square
Size | Column | Co
Top
 | lumn Strip | (I)
Top | Middle
 | e Strip
Top | Total
Steel | Edge
(-) | Bot.
(+) | int. | Superim-
posed
Load

 | Square
Column
 | Colun | nn Strip | Midd
 | le Strip | Total | Con |
| | (n)

 | (pst) | (in.) | (ft)
h | (in.)
= 10.5 i | Yf | Ed. +
 | Bottom | BETWE | Bottom
EN DBO
 | InL
P PANEL | (psd)
S | (作-水) | (ft-k) | (ft-k) | (psf)

 | Size (in.)
 | Top | Bottom | Тор
 | Bottom | (psf) | 1s |
| | 26
26

 | 100
200 | 6.00
6.00 | 8.67
8.67 | 12
15 | 0.760 0.798 | 12-#5 2
12-#5 4
 | 15-45 | 15-#5
14-#6 | 10-#5
13-#5
 | 10-#5 | 2.46 | 151.6 | 303.2 | 408.1 | 100

 | 12
 | 14-#5 | 10-#5 | 10-#5
 | 10-#5 | 2.29 | 0 |
| CON | 26
26
26
26

 | 300
400
500
600 | 7.50
9.00
9.00
9.00 | 8.67
8.67
10.40
10.40 | 18
20
22
26 | 0.679
0.632
0.707
0.701 | 12-#5 2
12-#5 2
14-#5 2
16-#5 3
 | 18-#6
16-#7
12-#9
17-#8 | 12:#7
13:#7
12:#8
13:#8 | 9-#7
14-#6
12-#7
9-#9
 | 10-#6
9-#7
10-#7
9-#8 | 3.83
4.39
5.17
6.00 | 244.7
291.2
336.6
379.8 | 489.4
582.3
673.1
772.7 | 658.8
783.9
906.1
1022.5 | 300
400
500
600

 | 21
23
26
26
 | 15-#6
12-#7
26-#5
12-#8 | 9-#7
14-#6
12-#7
11-#8 | 9-#6
15-#5
10-#7
11-#7
 | 11-#5
13-#5
15-#5
18-#5 | 3.39
3.82
4.41
5.19 | 0000 |
| CRETE REIN | 27
27
27
27
27
27

 | 100
200
300
400
500 | 6.00
7.50
9.00
9.00
9.00 | 9.00
9.00
9.00
9.00
10.80 | 12
16
18
20
25 | 0.797
0.651
0.634
0.741
0.694 | 12-#5 3
12-#5 1
12-#5 2
14-#5 4
16-#5 3
 | 9-#7
12-#7
15-#7
14-#8
13-#9 | 12-#6
20-#5
12-#7
12-#8
13-#8 | 12:45
15:45
10:47
9:48
9:49
 | 10-#5
9-#6
11-#6
10-#7
15-#6 | 2.66
3.25
3.96
4.88
5.70 | 170.3
222.6
274.9
327.9
375.4 | 340.6
445.2
549.8
655.8
750.8 | 458.5
599.3
740.1
882.8
1010.7 | 100
200
300
400
500

 | 12
18
22
23
26
 | 16-#5
14-#6
15-#6
18-#6
12-#8 | 12-#5
15-#5
13-#6
9-#8
11-#8 | 10-#5
12-#5
10-#6
9-#7
14-#6
 | 10-#5
10-#5
12-#5
15-#5
9-#7 | 2.40
2.85
3.40
4.24
4.93 | 0.
0.
0.
0. |
| FORCING S | 28
28
28
28
28

 | 100
200
300
400
500 | 7.50
7.50
9.00
9.00 | 9.33
9.33
9.33
11.20
11.20 | 12
16
18
23
28 | 0.750
0.767
0.745
0.722
0.644 | 13-#5 2
13-#5 4
13-#5 5
15-#5 4
17-#5 2
 | 19-#5
18-#6
13-#8
13-#9 | 18-#5
16-#6
26-#5
16-#7 | 13-#5
12-#6
11-#7
10-#8
 | 11-#5
10-#6
17-#5
11-#7 | 2.74
3.50
4.32
5.20 | 191.0
249.3
308.1
365.1 | 382.0
498.5
616.1
730.3 | 514.2
671.1
829.4
983.1 | 100
200
300
400

 | 12
18
22
24
 | 16-#5
15-#6
13-#7
15-#7 | 13-#5
12-#6
21-#5
18-#6 | 11-#5
13-#5
16-#5
10-#7
 | 11-#5
11-#5
10-#6
12-#6 | 2.48
3.07
3.75
4.51 | 0.
0.
0.
0. |
| TEEL INSTIT | 8 8 8 8 8

 | 100
200
300
400 | 7.50
9.00
9.00
9.00 | 9.67
9.67
9.67
11.60 | 12
16
19
25 | 0.787
0.702
0.763
0.702 | 13-#5 3
13-#5 3
14-#5 5
17-#5 3
 | 22-#5
15-#7
12-#9
14-#9 | 14-#6
23-#5
15-#7
14-#8 | 10-#6
10-#7
10-#8
12-#8
 | 12-#5
11-#6
19-#5
10-#8 | 2.88
3.67
4.75
5.68 | 212.8
277.7
342.7
405.3 | 425.5
555.4
685.5
810.5 | 572.8
747.6
922.7
1091.1 | 100
200
300
400

 | 12
19
22
24
 | 13-#5
15-#6
26-#5
13-#8 | 12-#6
14-#5
19-#5
17-#6
12-#8 | 12-#7
11-#5
10-#6
10-#7
12-#7
 | 10-#7
11-#5
12-#5
15-#5
18-#5 | 2.52
3.13
4.01 | 0. |
| UTE | 30
30
30
30

 | 100
200
300
400 | 9.00
9.00
9.00
9.00 | 10.00
10.00
10.00
12.00 | 12
16
22
28 | 0.722
0.763
0.691
0.700 | 14-#5 1
14-#5 4
16-#5 3
18-#5 5
 | 17-#6
13-#8
13-#9
16-#9 | 14-#6
18-#6
17-#7
15-#8 | 16-#5
11-#7
18-#6
10-#9
 | 13-#5
17-#5
15-#6
18-#6 | 3.00
3.99
5.07
5.96 | 236.8
308.5
377.6
444.1 | 473.6
617.1
755.2
888.3 | 637.6
830.7
1016.6
1195.7 | 100
200
300
400

 | 12
19
22
26
 | 18-#5
17-#6
16-#7
14-#8 | 16-#5
21-#5
11-#8
10-#9 | 12-#5
16-#5
14-#6
10-#8
 | 11-#5
10-#6
12-#6
20-#5 | 2.57
3.43
4.48
5.16 | 0.0 |
| | 31
31
31

 | 100
200
300
400 | 9.00
9.00
9.00
9.00 | 10.33
10.33
10.33
12.40 | 12
18
24
31 | 0.777
0.749
0.731
0.697 | 14-#5 3
14-#5 5
17-#5 8
14-#6 4
 | 11-#8
12-#9
18-#8
17-#9 | 16-#6
15-#7
14-#8
14-#9 | 13-#6
12-#7
12-#8
11-#9
 | 15-#5
19-#5
13-#7
12-#8 | 3.29
4.29
5.38
6.43 | 261.9
339.6
416.0
483.9 | 523.8
679.2
832.0
967.9 | 705.1
914.3
1120.0
1302.9 | 100
200
300
400

 | 12
19
22
29
 | 20-#5
26-#5
17-#7
16-#8 | 18-#5
23-#5
21-#6
11-#9 | 14-#5
13-#6
12-#7
11-#8
 | 12-#5
15-#5
19-#5
12-#7 | 2.77
3.60
4.68
5.65 | 0.0 |
| | NOTE

 | S: (1) 50 | percent o | of these b | ars may t | be placed | in the mid:
 | die third of | column s | strip. (2) [
 | Drop panels | is same : | size as for | r edge par | neis. (3) | Same col

 | umn size
 | above ai | nd below | siab.
 | | | |
| 10-25 10-18 | 31
NOTE

 | s: (1) 50
= 4,0
de 60 |) percent o
) 000 ps
) Bars | of these b
si | ars may t | be placed | in the midd
 | FLAT
EDGE | SLA
PANEL | atrip. (2) t
AB SY
L
Beams
 | STEM
With D | is same i
I
Drop F | size as for
Panels | r edge par | nois. (3) | Same col

 | umn size
SQU
 | above a | INTE
No Be | slab.
RIOR
Panels
 | PAN
\$ ⁽²⁾ | EL | |
| 10-25 10-18 |

 | S: (1) 50
= 4,0
de 60
Superim- |) percent of
000 ps
0 Bars
Square | of these b
Si
S | ars may t | be placed | in the mid:
DUARE I
 | FLAT
EDGE | SLA
PANEL
No E | AB SY
Beams
BARS (
 | STEM
With D | Is same i | size as fo
Panels
MO | r edge par | neis. (3) | Same col

 | umn size
SQU
 | above a
JARE
With
REIN | INTE
Drop
No Be
FORCI | siab.
RIOR
Panels
pams
NG BA
 | PAN
(2)
RS (E. | EL
W.) | |
| 10-25 10-18 | 31
NOTE
f' =
Gra
SPAN
SC-C.
f'= f_2
(f)= f_2

 | S: (1) 50
= 4,0
de 60
Exposed
Load
(osf) | percent of
000 ps
0 Bars
Square
Pan
Depth
(m.) | si
si
b
Drop
el
Width | ars may b
square (
Size) | be placed
SQ
Column | In the midd
DUARE I
RE
Color
Top
Ecol +
 | FLAT
EDGE
EINFOR
mm Strip (1
Pottom | SLA
PANEL
No E
CING I | AB SY
Beams
BARS (
Middle 3
 | STEM
With D
Strp | I Drop F | Panels
MC
Edge
(-)
(75.4) | PMENTS
Bot.
(+) | nois. (3)
S FS | Same col
actored
uperim- s
posed
c. Load
c. for fi

 | umn size
SQU
SQUare
Column
Column
 | above as
JARE
With
REIN
Column | INTE
Drop
No Be
FORCII
Strp | slab.
RIOR
Panels
ams
NG BAI
Middle
 | PAN
s(2)
RS (E.
Strip | EL
W.)
Total
Steel | ionori
cu. f |
| 10-25 10-18 | <u>م</u>
NOTE
Gran
SPAN
C -C,
C -C,

 | S: (1) 50
= 4,0
Gde 60
Factored
[pst] | 0000 ps
0000 ps
0 D Bars
Square
Pann
Depth
(n.) | Si
Si
S
Drop
el
el
Width
(ft)
h
 | (I)
Square (
Size
(In.)
= 9 in | SQ
Solumn
Yr
TOTAL | DUARE I
RE
Colu
Top
Ext. + | FLAT
EDGE
EINFOR
mn Strip (*
Bottom
EPTH BE
 | Column s
SLA
PANEL
No E
CING I
Top
Int. | AB SY
Beams
BARS (
Middle
Bottom | STEM
With E
E. W.)
Strip | Is same I
Drop &
Total
Steel
(pst) | Panels
MC
Edge
(-)
(ft-k)
 | MENTS
Bot.
(+)
(1-k) | S F Int. (1) | Same col
actored
uperim-
posed
(psf)
S
h = 9 in

 | (1)
SQU
Square
Square
Square
Square | above as
VARE
With
Column
Top
AL SLA | INTE
Drop
No Be
FORCII
Strip
Bottom
B
DEPT | slab.
RIOR
Panels
ams
NG BA
Midde
Top
H BETW | Strip
Bottom | EL
W.)
Total
Steel
(psf)
OP PAN
 | ionori
cu. f |
| 10-18 | 31 NOTE f_c = 1 Gran SPAN C.c., f_1 = f_2 = f_1 = f_1 = f_1 = f_2 = f_2 = f_1 = f_2 =

 | S: (1) 50
= 4,0
(de 60
Factored
Load
(psf)
100
200
300
400
500
500 | 0000 ps
0 000 ps
0 Dars
Square
(n.)
2.50
2.50
2.50
2.50
2.55
5.55
 | 3i 3i 3v 3v Drop el Wkdth (ft) h h 6.00 6.00 6.00 6.00 6.00 6.00 | (i)
Square (
Sze
(in.)
= 9 in.
12
14
15
18
18
18 | SQ
Column
γ _f
= TOTAL
0.628
0.628
0.628
0.627
0.628 | ULARE I
RE
Colu
Ext. +
SLAB D
9-84 1
9-94 1
9-94 1
9-94 1
11-94 2
 | FLAT
EDGE I
EINFOR
Bottom
9-44
9-45
9-45
9-45
11-45
11-45 | Column :
Column | AB SY.
L
Beams
BARS (
Midde
Batom
DROP P
6-45
6-45
6-45
6-45
6-45
10-45
10-45 | STEM
With E
E. W.)
Ship 5
Int.
6.45
6.45
6.45
6.45
6.45
6.45
6.45
6.4 | Is same :
Drop {
Total
Steel
(psf)
1.85
2.03
2.25
2.72
3.25
3.26 | Panels
MQ0
Edge
(-)
(fi-k)
43.7
58.6
73.8
69.0
105.0
89.0
 | PMENTS
Bot
(+)
(1+x)
1152.4
1199.3
250.4
250.9
250.9 | S F S Int. (3) | actored speed c
sectored speed c
(psf) s
h = 9 in
100
200
300
500
500
500
500
500
500
5

 | Umn size
SQUU
Square
Ize (in.)
h. = TOT
17
18
18
18
18 | above as
JARE
With
REIN :
Column
Top
Top
Top
18-#5
18-#4
9-#6
19-#4
9-#6 | INTEE
Drop
FORCII
Strip
9-84
9-84
9-84
9-84
9-84
9-84
9-84
9-84
 | slab.
RIOR
Panels
sams
NG BAS
Middle
H BETW
6-45
6-45
6-45
10-44 | PAN
(22)
RS (E.
Strip
Bottom
EEN DR
6-#5
6-#5
10-#4
8-#5 | EL
W.)
Total
(psf)
OP PAN
1.86
2.13
1.95
2.13
2.44
2.81
3.92
 | Concr.
(cu. f
sq. f
ELS
0.777
0.777
0.777
0.778 |
| 10-3E 10-18 CONCRETE RE | 51
NOTE
F'_c = Gra
SPAN 3
CC_C '_2 = (-)
18
18
18
18
18
18
18
18
18
18

 | s: (1) 55
= 4,(
de 60
Factored
Load
(pat)
100
200
300
400
500
100
200
300
400
500 | 0000 ps
0 percent of
0 percent of
0 percent of
0 percent
0 percent of
0 percent | 51 these b
51 5
5 5
5 6
5 7
5 7
5 7
6 .00
6 | ()
()
()
()
Square (
(n.)
= 9 in.
12
15
15
15
15
15
18
12
14
16
18
19 | SQ
200mm
γ/
500mm
γ/
500mm
6000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
5000
50 | in the midd
DUARE I
Ret
Coluct +
9-84 1
19-84 0
9-84 1
10-84 2
9-84 1
11-84 0
10-84 2
11-84 0
10-84 2
11-84 0 | FLAT
EDGE
EINFOR
Bottom
P944
1344
10-47
10-44
13-48
 | Column 1
F SLA
PANEL
No E
CING I
Top
Int
10:46
8:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:46
10:4 | AB SY.
Beams
BARS (
Mddle
Bottom
DROP P
6-45
6-45
6-45
6-45
6-45
12-45
10-44
10-44
10-44
10-44
10-44
12-45 | STEM With C E. W.) Top 1 Top 2 SHES 6.45 6.45 6.45 6.45 7.45 10.44 10.44 10.44 | Total
Steel
(pdf)
1.85
2.25
2.72
2.72
3.25
3.86
1.91
2.14
2.15
2.89
3.56 | Panels
MCC
E(g)
(1*)
10530
51.8
69.5
73.8
69.5
10530
51.8
69.5
77.3
10533
10533
 | MENTS
Bot.
(*)
(*)
(*)
(*)
(*)
(*)
(*)
(*)
(*)
(*) | S F Int. (-) (-) (#+) 117.8 157.7 198.6 239.5 139.4 187.0 225.8 139.4 137.2 235.0 | actored 5
actored 5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5
(perfin-5)

 | ()
()
()
()
()
()
()
()
()
() | above as
HARE
With
REIN:
Column
Top
AL SLA
8-#5
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
9-#6
15-#4
15-#4
15-#4
15-#4
15-#4
15-#4
15-#4
15-#4
15-#4
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-#6
15-# | INTE
Drop
No Be
FORCII
9-84
9-84
9-84
9-84
9-84
10-85
10-84
10-84
10-84
10-84
10-84
 | slab.
RIOR
Panels
ams
NG BAI
Middle
7 op
H BETW
6 45
6 45
6 45
6 45
10 44
10 44
10 44
10 44
10 44
10 44 | 1 PAN
(22)
RS (E.
Ship
Bolton
EEN DR
6-#5
6-#5
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4 | EL
Total
Steel
(psf)
OP
PAN
1.96
2.13
2.44
2.81
1.92
2.44
2.81
1.92
2.44
2.81
1.92
2.14
1.92
3.38
1.92
2.14
1.92
1.94
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.95
1.9 | 0.773
0.773
0.773
0.773
0.783
0.783
0.783
0.783 |
| 10-18 CONCRETE REINFORCING | 31 f'_c Grad SPAN 3 18 18 18 18 18 19 19 19 19 19 20 20 20 20

 | S. (1) 50
= 4,(
de 60
Extored
Load
(pat)
100
200
300
400
500
600
100
200
300
100
200
300
100
200
300
100
200
300
300
100
200
300
300
100
200
300
100
200
300
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
100
200
300
300
300
300
300
300
3 | 0000 ps
0 Dars
0 Dars
Square
Pan
0 Dars
2 50
2 50
2 50
2 50
2 50
2 50
2 50
2 50 | 51
51
52
53
54
54
55
54
55
55
55
55
55
55 | (i) (i)
Square (i)
(in.)
= 9 in. 12
14
15
18
18
18
19
19
12
14
16
15
19
19
12 | SQ
2000000
20000000
20000000
20000000
200000000 | UUARE I
RIC
Colu
Fep
9:44 1
9:44 4
11:44 2
10:44 4
11:44 2
10:44 4
11:44 2
10:44 1
11:44 2
10:44 1
11:44 2
10:44 1
10:44 4
10:44 1
10:44 4
10:44 1
10:44 4
 | FLAT
EDGE I
INFOR
Bottom
Bottom
Bottom
Bottom
10-47
10-47
10-47
10-48
11-46
13-44
11-46
13-44
11-44
15-44
15-48
11-44
15-48 | Column a
PANEL
No E
CING T
10-46
9-85
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46 | Bathy (2) (1)
Based SY
L
Bears (1)
Bathy (2)
Bathy | STEM
With C
E. W.)
Strip 1
E. W.)
Strip 1
E. W.)
Strip 1
E. W.)
Strip 1
E. W.)
1044
1044
1044
1044
1044
1044
1044
104 | Total
Total
Steel
(ref)
1.85
2.25
3.26
3.26
3.26
3.26
1.91
2.14
2.35
3.26
1.91
2.15
2.25
5.55 | Antipage 2014 -
2014 - | MENT3
Bot.
(%)
(%)
103.5
138.9
174.7
288.9
174.7
288.9
174.7
288.9
174.7
288.9
174.7
288.9
174.7
288.9
174.7
288.9
174.7
288.9
174.7
288.9
174.7
288.9
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1
175.1 | S F (1)
(c)
(c)
(b)
(b)
(b)
(b)
(b)
(b)
(b)
(c)
(c)
(c)
(c)
(c)
(c)
(c)
(c)
(c)
(c | Barne col actored specifier upperimes s posed

 | (1)
(1)
(2)
(3)
(3)
(3)
(3)
(3)
(3)
(3)
(3 | above
a
ALSLA
REIN
Column
Top
ALSLA
10:44
515:44
9:465
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:445
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455
10:455 | INTEE
Drop
Drop
Bottom
B DEPT
12-84
9-84
9-84
9-84
9-84
9-84
9-84
12-84
10-84
12-85
10-84
12-85
10-84
12-85
10-84
12-85 | elab.
RIOR
Panels
ams
NG BAJ.
Middle
Top
H BETW
645
645
645
645
1044
845
1044
845
1044
1044
1044
1044 | PAN
(22)
RS (E.
Strip
Bottom
EEN DR
6-#5
6-#5
6-#5
6-#5
6-#5
10-#4
10-#4
10-#4
10-#4
 | EL
Tota
(pst)
1.66
1.96
1.96
2.13
2.44
2.13
2.41
3.38
1.92
2.13
2.41
3.38
1.92
2.13
3.44
1.92
2.13
3.44
1.92
2.13
3.44
1.92
2.13
2.41
3.44
1.92
2.13
2.41
3.44
1.92
2.13
2.41
3.44
1.92
2.13
2.44
3.44
1.92
2.13
2.44
3.44
1.92
2.13
3.44
1.92
2.14
3.44
1.92
2.14
3.44
1.92
2.14
3.44
1.92
2.14
3.44
1.92
2.14
3.44
1.92
2.14
3.44
1.92
2.14
3.44
1.92
2.14
3.44
1.92
2.14
3.44
1.92
2.14
3.44
3.77
1.92
2.44
3.77
1.92
2.44
3.77
1.92
2.44
3.77
1.92
2.44
3.77
1.92
2.44
3.77
1.92
2.44
3.77
1.92
2.44
3.77
1.92
2.45
3.77
1.93
2.44
3.77
1.92
2.45
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
1.93
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3.77
3 | 0.777
0.78
0.777
0.777
0.777
0.78
0.80
0.777
0.78
0.80
0.80 |
| 10-25 10-18 CONCRETE REINFORCING STEEL INST | SPAN C-C C-C <td>S: (1) 50
= 4,0
Getored
(pat)
100
200
500
500
500
500
500
500
5</td> <td>25000 ps
0000 ps
0 Dars
0 Depth
(n)
250
250
250
250
250
250
250
250</td> <td>51 those b
51
5
5
5
5
5
5
5
5
5
5
5
5
5</td> <td>(i)
Square (
(iii)
Siguare (
(iii)
= 9 in:
12
14
15
15
15
15
15
15
15
15
15
15
15
15
15</td> <td>SQ
204umn
Yr
= TOTAL
0.625
0.625
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.627
0.628
0.627
0.628
0.627</td> <td>UUARE I
Colu
DE Ed: +
SLAB DI
11:44 0
10:44 4
11:44 0
10:44 1
11:44 0
10:44 1
11:44 1
11:44 1</td> <td>ELATI
EDGE
EINFOR
Bottom
D-44
9-45
9-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12</td> <td>Column :
SLAA
No E
CING 1
10-44
9-45
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
1</td> <td>AB SY
Batom
Batom
Batom
DROP P
DROP P
DA45
645
645
645
645
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1045
1045
1045
1045
1045
1045
1045
10</td> <td>STEM
With C
E. W.)
Ship
Int.
ANNELS
6-#5
6-#5
6-#5
6-#5
6-#5
6-#5
6-#5
6-#5</td> <td>Drop 8
1.85
2.03
2.25
2.89
1.91
2.14
2.15
2.55
3.86
1.91
2.15
2.55
3.86
1.90
2.15
2.55
3.80
2.55
2.55
2.55
2.55
2.55
2.55
2.55
2.5</td>
<td>Panels
MCC
Edge
(-)
(8-4)
43.7
73.8
89.0
121.0
51.8
87.3
123.8
81.6
105.0
121.0
51.8
87.3
123.8
81.6
105.0
123.4
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.7
81.6
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.7
81.6
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7</td> <td>PMENTS
Bot.
(*)
(*)
(*)
(*)
(*)
(*)
(*)
(*)
(*)
(*)</td> <td>S F Int. (-) (-) (B,K) 117.8 (B,K) 117.8 (-) 117.8 (-) 117.8 (-) 209.5 (-) 229.5 (-) 225.0 (-) 225.1 (-) 233.2 (-) 332.4 (-) 325.4 (-) 100.2 (-) 100.2 (-)</td> <td>Same col addord 3 append (particle) <td< td=""><td>0)
SQU
0)
5000000
2000000
100000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
1100000
1100000
1100000
1100000
1100000
1100000
1100000
1100000
1100000
1100000
11000</td><td>ABOVE BU
AREIN
Column
Top
AL SLA
10:44
8:45
13:45
11:44
10:45
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45</td><td>INTE
Drop
No Be
FORCII
Strip
8 aborn
9 -84
10 -84
9 -94
10 -84
10 -84
10</td><td>RIOR
Panelus
ams
NG BA
Middle
H
BETW
6445
6455
6455
6455
10.44
8.45
10.44
8.45
10.44
8.45
10.44
8.45
10.44
10.44
8.45
9.45
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.</td><td>PAN
s(2)
RS (E.
Strip
Bottom
EEN DR
6-#5
6-#5
6-#5
6-#5
6-#5
10-#4
8-#5
10-#4
8-#5
10-#4
10-#4
10-#4
10-#4
7-#5</td><td>EL
W.) CC
Steel
(per)
OP PAN
00 PAN
2.44
3.38
1.92
2.13
2.24
3.38
1.92
2.13
2.24
3.38
1.92
2.13
2.24
3.34
1.92
2.13
3.25
4
2.06
2.25
4
2.05
2.05
2.05
2.05
2.05
2.05
2.05
2.05</td><td>0.773
0.773
0.773
0.773
0.773
0.780
0.801
0.801
0.801
0.802
0.773
0.801
0.801
0.803
0.773
0.780
0.801
0.803
0.773
0.801
0.803
0.773
0.801
0.803
0.773
0.801
0.803
0.773
0.801
0.803
0.773
0.775
0.775
0.777
0.776
0.801
0.803
0.803
0.803
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.801
0.801
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803</td></td<></td> | S: (1) 50
= 4,0
Getored
(pat)
100
200
500
500
500
500
500
500
5 | 25000 ps
0000 ps
0 Dars
0 Depth
(n)
250
250
250
250
250
250
250
250
 | 51 those b
51
5
5
5
5
5
5
5
5
5
5
5
5
5 | (i)
Square (
(iii)
Siguare (
(iii)
= 9 in:
12
14
15
15
15
15
15
15
15
15
15
15
15
15
15 | SQ
204umn
Yr
= TOTAL
0.625
0.625
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.627
0.628
0.627
0.628
0.627 | UUARE I
Colu
DE Ed: +
SLAB DI
11:44 0
10:44 4
11:44 0
10:44 1
11:44 0
10:44 1
11:44 1
11:44 1 |
ELATI
EDGE
EINFOR
Bottom
D-44
9-45
9-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12-45
12 | Column :
SLAA
No E
CING 1
10-44
9-45
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
1 | AB SY
Batom
Batom
Batom
DROP P
DROP P
DA45
645
645
645
645
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1044
1245
1045
1045
1045
1045
1045
1045
1045
10 | STEM
With C
E. W.)
Ship
Int.
ANNELS
6-#5
6-#5
6-#5
6-#5
6-#5
6-#5
6-#5
6-#5 | Drop 8
1.85
2.03
2.25
2.89
1.91
2.14
2.15
2.55
3.86
1.91
2.15
2.55
3.86
1.90
2.15
2.55
3.80
2.55
2.55
2.55
2.55
2.55
2.55
2.55
2.5 |
Panels
MCC
Edge
(-)
(8-4)
43.7
73.8
89.0
121.0
51.8
87.3
123.8
81.6
105.0
121.0
51.8
87.3
123.8
81.6
105.0
123.4
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.6
81.7
81.6
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.6
81.7
81.7
81.6
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7
81.7 | PMENTS
Bot.
(*)
(*)
(*)
(*)
(*)
(*)
(*)
(*)
(*)
(*) | S F Int. (-) (-) (B,K) 117.8 (B,K) 117.8 (-) 117.8 (-) 117.8 (-) 209.5 (-) 229.5 (-) 225.0 (-) 225.1 (-) 233.2 (-) 332.4 (-) 325.4 (-) 100.2 (-) 100.2 (-) | Same col addord 3 append (particle) append (particle) <td< td=""><td>0)
SQU
0)
5000000
2000000
100000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
1100000
1100000
1100000
1100000
1100000
1100000
1100000
1100000
1100000
1100000
11000</td><td>ABOVE BU
AREIN
Column
Top
AL
SLA
10:44
8:45
13:45
11:44
10:45
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45</td><td>INTE
Drop
No Be
FORCII
Strip
8 aborn
9 -84
10 -84
9 -94
10 -84
10 -84
10</td><td>RIOR
Panelus
ams
NG BA
Middle
H BETW
6445
6455
6455
6455
10.44
8.45
10.44
8.45
10.44
8.45
10.44
8.45
10.44
10.44
8.45
9.45
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.</td><td>PAN
s(2)
RS (E.
Strip
Bottom
EEN DR
6-#5
6-#5
6-#5
6-#5
6-#5
10-#4
8-#5
10-#4
8-#5
10-#4
10-#4
10-#4
10-#4
7-#5</td><td>EL
W.) CC
Steel
(per)
OP PAN
00
PAN
2.44
3.38
1.92
2.13
2.24
3.38
1.92
2.13
2.24
3.38
1.92
2.13
2.24
3.34
1.92
2.13
3.25
4
2.06
2.25
4
2.05
2.05
2.05
2.05
2.05
2.05
2.05
2.05</td><td>0.773
0.773
0.773
0.773
0.773
0.780
0.801
0.801
0.801
0.802
0.773
0.801
0.801
0.803
0.773
0.780
0.801
0.803
0.773
0.801
0.803
0.773
0.801
0.803
0.773
0.801
0.803
0.773
0.801
0.803
0.773
0.775
0.775
0.777
0.776
0.801
0.803
0.803
0.803
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.801
0.801
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803</td></td<> | 0)
SQU
0)
5000000
2000000
100000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
110000
1100000
1100000
1100000
1100000
1100000
1100000
1100000
1100000
1100000
1100000
11000 | ABOVE BU
AREIN
Column
Top
AL
SLA
10:44
8:45
13:45
11:44
10:45
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:44
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45
11:45 | INTE
Drop
No Be
FORCII
Strip
8 aborn
9 -84
10 -84
9 -94
10 -84
10 | RIOR
Panelus
ams
NG BA
Middle
H BETW
6445
6455
6455
6455
10.44
8.45
10.44
8.45
10.44
8.45
10.44
8.45
10.44
10.44
8.45
9.45
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10.44
10. | PAN
s(2)
RS (E.
Strip
Bottom
EEN DR
6-#5
6-#5
6-#5
6-#5
6-#5
10-#4
8-#5
10-#4
8-#5
10-#4
10-#4
10-#4
10-#4
7-#5 | EL
W.) CC
Steel
(per)
OP PAN
00 PAN
2.44
3.38
1.92
2.13
2.24
3.38
1.92
2.13
2.24
3.38
1.92
2.13
2.24
3.34
1.92
2.13
3.25
4
2.06
2.25
4
2.05
2.05
2.05
2.05
2.05
2.05
2.05
2.05
 | 0.773
0.773
0.773
0.773
0.773
0.780
0.801
0.801
0.801
0.802
0.773
0.801
0.801
0.803
0.773
0.780
0.801
0.803
0.773
0.801
0.803
0.773
0.801
0.803
0.773
0.801
0.803
0.773
0.801
0.803
0.773
0.775
0.775
0.777
0.776
0.801
0.803
0.803
0.803
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.801
0.801
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803 |
| 10-26 10-18 CONCRETE REINFORCING STEEL INSTITUTE | SPAN SPAN 18 18 18 18 19 19 19 19 19 20 20 20 20 20 20 20 20 20 21 21 21 21 21 21

 | 5: (1) 50
= 4,C
factored
5: (part)
100
200
300
400
500
600
100
200
300
400
500
600
100
200
300
400
500
600
100
200
300
400
500
600
100
200
300
400
500
600
100
200
300
400
500
600
100
200
300
600
100
200
300
600
600
100
200
300
600
600
100
200
300
600
600
600
100
200
500
600
600
600
600
600
600
6 | 250
250
250
250
250
250
250
250
250
250 | 51 these b
51
5
5
5
5
5
5
5
5
5
5
5
5
5 | (II)
Square (
Size
(n.)
12
14
15
18
18
18
18
18
18
18
19
19
19
12
14
16
18
18
18
19
19
12
14
16
18
18
18
19
19
12
21
14
16
18
18
20
21
21 | SQ
2clumn
γγ
= TOTAL
0.628
0.628
0.626
0.628
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.627
0.638
0.627
0.638
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.627
0.638
0.627
0.638
0.627
0.638
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.627
0.638
0.627
0.628
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.626
0.628
0.626
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.628
0.62 | UUARE I
RECOUNT
Top
East, +
SLAB DI
9:44 1
11:44 2
11:44 2
11:44 2
11:44 2
11:44 2
11:44 2
11:44 2
11:44 2
11:44 1
11:44 1
11:45 1
11: |
FLAT
EDGE
EINFOR
Bottom
Bottom
Bottom
10-44
13-44
15-44
16-45
16-45
16-45
16-47
11-47
11-48
16-44
16-44
16-44
16-44
16-44
16-44
16-44
16-44
16-44
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-45
16-4 | Column 1
Column 1
CING 1
Too Int
10-44
9-45
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
10-46
1 | AB SY.
Beams
BABS (
Midde
Batom
DROP P
6-#5
6-#5
6-#5
6-#5
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#10
10
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10-#4
10
10-#4
10
10-#4
10
10-#4
10
10
10
10
10
10
10
10
10
10
10
10
10 | STEM With E STEM With L Strop panel Strop panel With L Strop panel Strop panel Strop panel | 1.85
53ed
(ref)
1.85
53ed
(ref)
1.85
2.25
2.03
2.27
2.3
2.55
3.26
1.90
2.15
2.24
2.35
3.26
3.02
2.15
2.33
2.25
3.26
3.02
2.15
2.25
3.02
3.02
3.02
3.02
3.02
3.02
3.02
3.02 |
Canels
MCC
E(2)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)
(0,4)(0,4)(0,4)(0,4)(0,4)(0,4)(0,4)(0,4) | PMENT3
Bet
(e)
(1)
(1)
(1)
(1)
(1)
(1)
(1)
(1 | S. F. (C) (C) (E) (C) (B) (C) (B) (C) (B) (C) (B) (C) (C) (C) (B) (C) (C) (C) (C) | Bactored Same col actored S ppeed C ppeed S ppeed S <t< td=""><td>(i)
(i)
(i)
(i)
(i)
(i)
(i)
(i)</td><td>above at
AREE
With
REIN
Column
Top
10.444
8-85
11.445
10.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455</td><td>INTEE
Drop
No
Be
FORCICI
Strip
9-84
9-84
9-84
9-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-</td><td>elab.
RIOPR
Panelel
ams
NG BAA
Middle
b 445
6 445
6 445
6 445
6 445
6 445
10 44
10 44
10 44
10 44
10 44
8 45
10 44
10 44
1</td><td>FPAN
s(2)
RS (E.
Strip
Bottom
EE
NDR
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85</td><td>EL
W.)
Total
(perf)
1.86
1.96
2.14
2.14
2.14
2.14
2.14
2.14
2.14
3.38
2.24
2.14
3.38
2.24
2.14
3.38
2.24
2.14
3.38
2.24
2.20
2.24
2.20
2.24
2.20
3.25
3.36
2.24
3.36
2.27
3.36
2.27
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.37
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.46
3.47
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3</td><td>0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.780
0.800
0.777
0.780
0.800
0.801
0.801
0.801
0.801
0.801
0.801
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803</td></t<> | (i)
(i)
(i)
(i)
(i)
(i)
(i)
(i)
 | above at
AREE
With
REIN
Column
Top
10.444
8-85
11.445
10.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.445
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455
11.455 | INTEE
Drop
No Be
FORCICI
Strip
9-84
9-84
9-84
9-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10-84
10- | elab.
RIOPR
Panelel
ams
NG BAA
Middle
b 445
6 445
6 445
6 445
6 445
6 445
10 44
10 44
10 44
10 44
10 44
8 45
10 44
10 44
1 | FPAN
s(2)
RS (E.
Strip
Bottom
EE
NDR
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85
6-85 | EL
W.)
Total
(perf)
1.86
1.96
2.14
2.14
2.14
2.14
2.14
2.14
2.14
3.38
2.24
2.14
3.38
2.24
2.14
3.38
2.24
2.14
3.38
2.24
2.20
2.24
2.20
2.24
2.20
3.25
3.36
2.24
3.36
2.27
3.36
2.27
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.37
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.36
3.46
3.47
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3.46
3 | 0.777
0.777
0.777
0.777
0.777
0.777
0.777
0.780
0.800
0.777
0.780
0.800
0.801
0.801
0.801
0.801
0.801
0.801
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803
0.803 |

$$\frac{5105 \text{ m} 3}{\text{MD} COLUMNUS & CREAT SLAPS WIDDOWSBAY STRE 21'X30' f_{1}^{2} 54000 g_{1}^{2} f_{2}^{2} 54000 g_{2}^{2} f_{2}^{2} 5000 g_{2}^{2} f_{2}^{2} f_{2}^{2} f_{2}^{2} 5000 g_{2}^{2} f_{2}^{2} $f_{2}^{$$$



Parfitt – Tower 333 Page 25 of 27



