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MULTNOMAH COUNTY DETENTION CENTER REMODEL MECHANICAL PLATFORM

STRUCTURAL CALCULATIONS

KPFF PROJECT No. 99666.02

JUNE 12, 2001

SUBMITTED TO:

KMD ARCHITECTS 421 SW SIXTH AVE., SUITE 1300 PORTLAND, OR 97204

SUBMITTED BY:

KPFF CONSULTING ENGINEERS 111 SW FIFTH AVENUE, SUITE 2500 PORTLAND, OR 97204-3628



June 12, 2001

Mr. Peter Alef KMD Architects 421 SW Sixth Ave., Suite 1300 Portland, OR 97204

RE: Multnomah County Detention Center Remodel Mechanical Platform

Dear Peter:

Attached please find calculation sheets 1 through 16, dated June 12, 2001, which verify the structural adequacy of the mechanical platform, as shown on drawings S0.1 through S6.1, dated June 8, 2001. Design is based on the requirements of the 1997 Uniform Building Code, as amended by the State of Oregon.

If you have any questions or need further information, please cal.

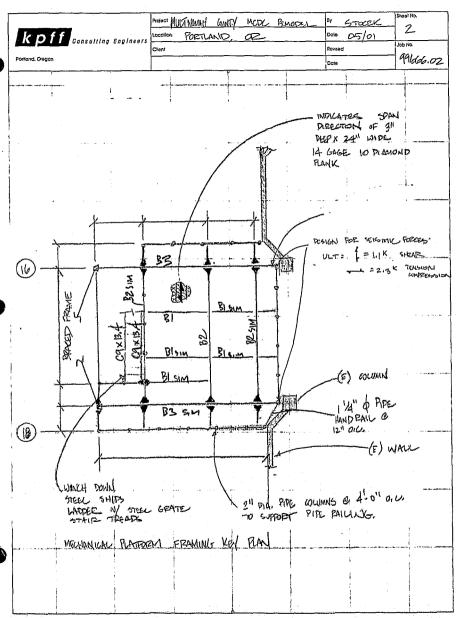
Sincerely,

Aaron Stocek

Attachments

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	Project Murt. Co. Per	· CIE. REMOCE	BY CATOCEN	Sheet No.
Kpff Consulting Engineers	Location Pattlant		Date Golo	1
	Client KMD	,	Revised	Job No.
rotland, Oragon			Date	99666.02
WARDS AND BENIEVAL IN FORMA	rion			
CAO, CAST				
DIAMOND PLANK	3.5px			•
STEEL BEAMS	10 psf			
MISC	IFF			
•	15 Pof			
travel to a	13 12.			
MEUH. LOAD				
80 PS @ INEUHANIUM	UNIT ONLY			ı
LIVE LOND				
50 px				
~ 1-2				
DESIGN BASED UPON 1997 UPC	W/ STACK			
OF DEEGON AMENTMENTS.	· + +1 · 1 see			
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Kpff con viling Engineers	Project MADA PEMATRIA	BY STOCKE	Sheet No.
		DOIN 00/01	5
	Clent KMD	Revised	Job No.
Portland, Cregon		Date	199666.02

- FRAMING DESIGN

BI:

PEFERENCE ATTACHED COMPUTER OUTPUT USE WIOX12

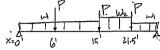
B2:

P1= 7/2 (15+50) × 91 = 1024# PL=240# PL=765#

B= 18/15+50/2+ 10/15+80/x1/2=4063# PREPERCE ATT OMITTEE OFFET PRI=780# PL=32034

156 W12×19

B3:



RAMSBEAM V2.0 - Gravity Beam Design Licensed to: KPFF Consulting Engineers Job: MCDC Remodel

Steel Code: AISC 9th Ed.

SPAN INFORMATION: stocek

Beam Size (User Selected) = W10X12
Total Beam Length (ft) = 9.00
Top Flange Not Braced By Decking

Fy = 50.0 ksi

LOADS: Self Weight = 0.012 k/ft

Line Loads (k/ft): Dist1 Dist2

Dist1 Dist2 DL1 DL2 Pre DL1 Pre DL2 LL1 LL2 0.00 9.00 0.098 0.098 0.000 0.000 0.325 0.325

B١

SHEAR: Max V (kips) = 1.96 fv (ksi) = 1.04 fv = 20.00

MOMENTS:

Lb Cb Tension Flange Comp Flange Span Cond Moment @ fb Fb ft £t fb Fb kip-ft 4.4 4.5 4.4 4.5 30.00 9.0 1.00 4.85 13.43 4.85 Center Max + 4.85 13.43 9.0 1.00 ---4--Controlling

 REACTIONS (kips):
 Left
 Right

 DL reaction
 0.50
 0.50

 Max + LL reaction
 1.46
 1.46

 Max + total reaction
 1.96
 1.96

DEFLECTIONS:

 RAMSBEAM V2.0 - Gravity Beam Design Licensed to: KPFF Consulting Engineers Job: MCDC Remodel

Steel Code: AISC 9th Ed.

SPAN INFORMATION: stocek

Beam Size (User Selected) = W12X19

Total Beam Length (ft) = 19.00

Top Flange Not Braced By Decking

Fy = 50.0 ksi

LOADS: Self Weight = 0.019 k/ft

Point L	oads (kips	:):		Flange	Bracing
Dis	t DL	Pre DL	ĹĽ	Top	Bottom
3.0	0 0.24	0.00	0.79	Yes	No
6.5	0.68	0.00	2.94	Yes	No
13.0	0 0.78	0.00	3.28	Yes	No

SHEAR: Max V (kips) = 4.71 fv (ksi) = 1.65 Fv = 20.00

MOMENTS:

Span	Cond	Moment	@	Lb	Cb	Tension	Flange	Comp	Flange
- 12		kip-ft	ft	ft		fb	Fb	fb	Fb
Center	Max +	26.6	6.5	6.5	1.00	15.00	30.00	15.00	23.41
Control		26.6	6.5	6.5	1.00			15.00	23.41

REACTIONS (kips):	Left	Right
DL reaction	1.07	0.98
Max + LL reaction	3,64	3.38
Max + total reaction	4.71	4.36

DEFLECTIONS:

Dead load (in)	at	9,50 ft =	-0.102	L/D ==	2229
Live load (in)	at	9.50 ft =	-0.367	L/D =	621
Total load (in)	at	9.50 ft =	-0.470	L/D =	485

RAMSBEAM V2.0 - Gravity Beam Design Licensed to: KPFF Consulting Engineers Job: MCDC Remodel

Steel Code: AISC 9th Ed.

SPAN INFORMATION: stocek

Beam Size (Optimum) = W16X31 Total Beam Length (ft) = 25.00

Total Beam Length (It) = 25.00 Top Flange Not Braced By Decking Fy = 50.0 ksi

		= 0.031	k/ft				
Point Loads	(kips)	:		Fla	nge Braci		
Dist		Pre DL	$\mathbf{L}\mathbf{L}$.	To	p Bott		
6.00	1.00	0.00	3.60	Ýе	S	No	
15.00	1.00	0.00	3.60	Ye	-	No	
21.50	1.00	.0.00	3.60	Ye	S	ЙO	
Line Loads	(k/ft):						
Dist1	Dist2	DL1	DL2	Pre DL1	Pre DL2	LL1	LL2
6.00	15.00	0.098	0.098	0.000	0.000	0.325	0.325
21.50	25.00	0.098	0.098	0.000	0.000	0.325	0.325
15.00	21.50	0.098	0.098	0.000	0.000	0.520	0.520

SHEAR: Max V (kips) = 14.12 fv (ksi) = 3.42 Fv = 19.69

MOMENTS: Span Cond	Moment kip-ft	@ ft	Lb ft	Cb	Tension fb	Flange Fb	fb	Flange Fb
Center Max + Controlling	84.4 84.4	15.0 15.0	9.0 9.0	1.00	21.47	30.00	21.47 21.47	23.49 23.49

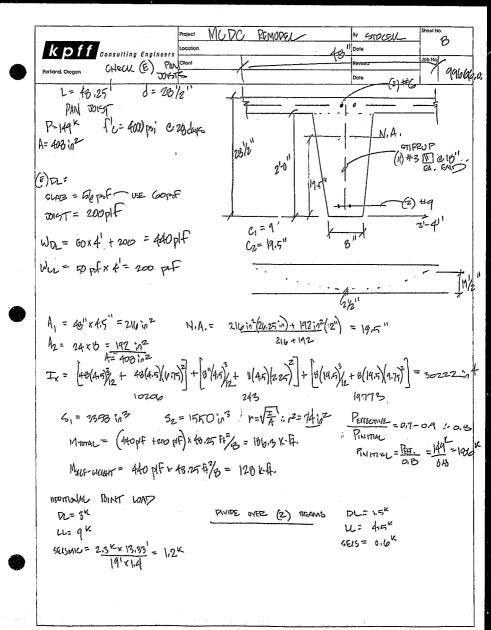
REACTIONS (kips):	Left	Right
DL reaction	2.40	3.24
Max + LL reaction	7.37	10.87
Max + total reaction	9.76	14.12

DEFLECTIONS:

PHC110NO.				L/D =	1 5 1 4
Dead load (in)	at	12.75 ft =	-0.198	T1/12 =	7274
		10 SE EL	0 651	L/D =	461
Live load (in)	ac	12.75 ft =	-0.651		
	_4	12.75 ft =	_0 849	L/D =	353
Total load (in)	aL	121/3 16 -	-0.042	, -	

	Project MCDC REMODEL	BY STOREK	Sheet No.
Kpff Consulting Engineers	LOCUMON PORTLAND, OR	Dole 00/01	
	Ctent KMD	Revised	Job No.
ortland, Cregon		Dale	99666,0
MUMENT CONNECTION DESIGN		-	
M=1040#x4 = 4160 f-16.			
) XPEQ = 4160 X12 = 1,7 in	3		
use Wbx10			
= c = 4160ft-16, x12 =	6240#		
te= 0.6x90=30 mi bp-(9)	UIDTH +1/1/2		
FEQU = 6.24 K = 0.06	-015=315		
USE 14" 12			
TE SAPERKATH = 024 (015") (30 W	,		
UDL FEOD = 20h	9.4"		
0.707 (3/6)(0.3)(70)			
6" WHY EA SIDE			
WELD EA. SIDE W/	3/16		

(1/04)



	Project MUTO REMODEL		BY CTOURN	Sheet No.
Kpff Consulting Engineers	LOCOTION PROPERTIES OF		Date 06/01	Job No.
Pottiand, Oregon	Cleni KM7		Revised	9466.02
	e=t	7 = 19.5"-5"	= 14.5	[8068.02
STREETS FOR TO P	-		_	
$\int_{1}^{\infty} = \frac{A}{V_{\text{tot}}} \left[1 \right]$	1. T	7-010-	$\frac{(4.5)(a)}{74} = 0.3$	
		100	+ 14.5(9.5)] = -	22 1 一
Spesses our to User	1 -128kh.	×12- =-0,0	Housi	
5	1 = 126 x 1	= 0199	ks{	
STREWED DIE TO Y	TOTAL = -186.3 kl	2 = -0161 KA	ú	
	12 - WOBKIZ 1950	- 1.44 km	i	
STRESSES DUR TO		× 0.35 = . (
	12=0.8	x-212=-	1.8 Wi	
AT TRANSFERS: Pi+ Mase	?· Wb.			
	= 0.35 - 0.66 = - 0.11			
1	2= -2.2 + 0.99 = -1.2(
	= 189.71 psi TENSION			
	x 1000 psi = 2400 psi			
AT EXENCE:		_		
Pers + MR	fi= 0.20 -0.61 = -0 fi= -1.8 + 1.44 = -0	1391 151	(E)	
	E= -1.8+1.44 = -0	136 Mi) 7	
	fro= lay(1/2 = 37191		- .	
	125= 12/1/10 - 18x			
	102 . N 40			

Kpff Consulting Engineers	Project V	1000	REMODEL	BY STOCELL	Sheet No.
	Location F	PORTLAN	2,02	Date 00/01	10
	Clien!	KIND		Revised	Job Na.
Portland. Oregon				Dote	99666.02

CHECK PT-JOKT W/ ADDED LEAD

MITOTAL = (40 + 20) ×46.252 + 6 ×40.25

= 186+72 = 258 K-FZ.

fi= 255x12 = 0A22 kmi

1= 250×12 = 2 KH

 $f = \frac{P}{A} \left[1 - \frac{e \cdot c}{r^2} \right]$

$$\int_{1}^{\infty} \frac{-149^{12}}{4060^{2}} \left[1 - \frac{14.5^{\circ}(9^{\circ})}{74.0^{2}} \right] = 0.28$$

AT SERVICE POFF MY

the = 6N/10 = 6N/4000 = 0.3719 Mi

fus = 0,45 ft = 0,45x 4000 = 1.8 mi

YEELFY ADERLYCH WY PT DATA + ADERDANIE ATTACHED WARITE OUTROT

99606.02

Licensed to:

KPFF Consulting Engineers 707 S. W. Washington St., Suite 600 Portland, Oregon 97205-3523 503/227-3251

	Section 1 - GENERAL INPUT DATA	Sheet No
	PROJECT NAME: MCDC FEMORE 06-07-2001 BEAM ID: Existing Beam DATA FILE: d:\PTUser\STOCEK.PTD	
	BASIC GEOMETRY: Number of Spans Left Cantilever Right Cantilever Number of Left End Spans Number of Right End Spans	1 NO NO 0
)	POST-TENSIONED TENDON DATA (UNBONDED, LOW RELAXATION): Minimum Tendon Cover at TOP Minimum Tendon Cover at BOTTOM of Interior Spans Minimum Tendon Cover at BOTTOM of End Spans Tendon Bundle Diameter Cross-Sectional Area of ONE Strand	3.00 in 3.00 in 3.00 in 2.00 in 0.153 in2
	UNSTRESSED REINFORCING STEEL DATA: Rebar Cover at TOP Rebar Cover at BOTTOM Rebar Yield Stress Maximum Longitudinal Bar Size Stirrup Size	2.00 in 2.00 in 60.00 ksi #9 #3
	CONCRETE CRITERIA (* = Calculated Value): Maximum Flexural Stress at TOP - 6.00{SQR(f'c)} Maximum Flexural Stress at BOTTOM - 6.00{SQR(f'c)} Beam Concrete Strength Beam Concrete Weight Beam Modulus of Elasticity* Column Concrete Weight Column Modulus of Elasticity*	379 psi 379 psi 4000 psi 150 pcf 3834 ksi 150 pcf 3834 ksi
).	ADDITIONAL CRITERIA: Skipped Live Load Minimum Average Compressive Stress DL+LL/4 - UBC 2618 () Ratio of Unreduced LL to Reduced LL Top Columns Assumed NOT Present When Tendons are Stressed Analysis Based Upon Constant Prestress Force ACI 318-89 Section 18.8.3 included in analysis Load Factors KDL/KLL/KW1/KW2 1.40/1.70/1. Load Factors KDW/KCOMB/KDL1/KLL1 0.90/0.75/1. Effective Tendon Stress LR/SR 175.	70/1.30 40/1.70

ŀ	<pre>KPFF Consulting Engineers 707 S. W. Washington St., Suite 600 Portland, Oregon 97205-3523 503/227-3251 ************************************</pre>	Sheet No. MCDC Existing Page 3	Beam
	Section 6 - CONCRETE LOADS	.=##=####	
	SPAN 1		
	Section 7 - B E A M A N D C O L U M N M O M E N T S	3 (ft-kips)
		ced Load x - ft)	R -0.55
	SPAN L M $(x - ft)$ R L M $(x - ft)$	ost Negati x - ft) 0(0.00)	R
)			
	Section 8 - CONCRETE FLEXURAL STRE	S S E S (k	:si)
	Service Loads Transfer SPAN Tension (x) Compression (x) Tension (x) 1 T (0.333(9,70) -0.631(22.63) -0.020(22.63) B (0.216(22.63) -0.436(9.70) -0.431(0.00)	of Prestre Compression -0.424(-1.312(2	ess on (x) 0.00) 22.63)
	Section 9 - D E F L E C T I O N S (U N F A C T O R E D	LOADS	6) =========
	Dead + Balanced Loads Live Loads		
	Section 10 - REBAR REQUIREMENTS (in2)	(======	*========
	Factored Loads (%R= 0.0) DL+LL/4 SPAN As (x) A's (x) As (x) 1 T 0.000(0.00) 0.000(0.00) 0.000(0.00) B 0.328(22.63) 0.000(0.00) 1.840(22.63)	A's (x 0.000(0.00)

KPFF Consulting Engineers 707 S. W. Washington St., Suite 600 Portland, Oregon 97205-3523 503/227-3251 Sheet No. 14 MCDC Existing Beam Page 4

Factored Loads (%R= 6.7) DL+LL/4 (%R=10) SPAN As (x)A's (x) As (x)A's (x) 0.000(0.00) 0.000(0.00) 0.000(0.00) 0.000(0.00) 1 T В 0.328(22.63) 0.000(0.00) 1.840(22.63) 0.000(0.00)

Factored Loads (%R=15.0) DL+LL/4 (%R=15) SPAN As (x) A's (x) As (x) A's(x)1 T 0.000(0.00) 0.000(0.00) 0.000(0.00) 0.000(0.00) 0.328(22.63) 0.000(0.00) 1.840 (22.63) 0.000 (0.00) В

Section 11 - REBAR FOR ACI CODE MINIMUMS (in2)

Section 12 - BEAM SHEAR DESIGN

SPAN 1 L= 48.50ft
X Left Vcn(kips) Vcw(kips) Vci(kips) Av(in2/ft) #3 @(in) CODE
Use #3 @ 21.38in o/c for Span 1

Section 13 - COLUMN DESIGN LOADS (FACTORED)

Maximum Axial Load Maximum Moment Axial Column Moment Axial Column Moment Top Load Bottom Load Top Bottom TOINT kips ft-kips ft-kips kips ft-kips ft-kips 28.95 0.00 1 0.00 28.95 0.00 0.00 0.00 2 28.95 0.00 0.00 28.95 0.00

	Project M. Co. MCDC	, BOXING BENOT	EL OF STREEK	Sheet No.
kpff Consulting Engineers	Location PORTLAND		Date 00/01	15
	Crent KMD		Revised	Job No.
Portland, Oregón	,		Date	99666.02
MECHANICAL PLATFORM WORLD	~			
WE BEAMS - GK				
DIAMONIO PLANK - ZK	£			
MEUH. UNHIS - WK				
Z=18K	· · · · · · · · · · · · · · · · · · ·			
3- (0		*		
RETERMINE For ap=1.0 1	2p=31.0	ANOTE)		- HSS LOL.
		I BEAGE	' , .	
FP= 40x0.36x1.0x4 = 1.44 W	g anglewant in a	Gussa	TR-1	
			V	
$FP = \frac{1.0 \times 0.30 \times 1.0}{4.0} \left(1 + 3.0\right)$) = 0.12 W			
300 (249	I .			
	a=1.1			
PMIN = 0.71 × 0.86 × Lo × W = 0.	75 W	-		
. Fp = 0.35x 13k = 4.5k				
OPECET TO BRACED FRAME =	23k but.			
1= 13' L= 19'-0" X- BRACE	- TENKION ONLY	-		
ENTIFE OF BRACE = 25		-		
TRY (2)-4×4×14 1=1.05	W=131			
*1				
Yn L 300 PRAID FIR TENS	SIDIA CALLY			
HORIZONTAL FORCE = 184×1	20=454=02K			
BRALL FORCE = 23Kx 23/4 - 2.00	κ.			
B				
Bt = 36 611 × 3.68 1,2 = 140 K	6000			
BRACE CONNECTION: FORCE: 520	*4.1 = 2.2 × 2.8×			:
	= 6.2 K			
1 34" \$ ASOT THEN - 57275 = 2 × 4	4 x 133= 117 K			
•	- •			
4= 0.5x15"x2=1.5in2 Fy=0.3/=	->			
N= 1174 = 718 151 156 15 161	SET PL			

	Project MCDY REMODEL	BY STOCK	Sheet No.
	Incertion Co.	Date Objet	16
		Revised	Job No.
Porland, Oregon		Date	99666.02

BEAM CONNECTION TO (E) COUMIN

W18×40

PL = 14.5K

14.5K = 36K

PH = 1,15K

R= 145K

(h)

MINI FEBGE THEF = 10" X0.33 = 3.3"

Vallow = 8000+x 0.6= 484/ Rat 73.6

USE (4) 3/4" O ABOY THREADED RODS

W/ Y" EMBERMENT AND STATESTAL

HILTI HY-150 BOKY

LALLYECTION!

WAK ANG PENTADG = \$20# x 21/2"= 2050 in-16.

Syread= 1000x016x70= 0,07103 6 0,962

100 C9×13,4





CITY OF PORTLAND, OREGON

OFFICE OF PLANNING AND DEVELOPMENT REVIEW PO Box 8120 Portland, OR 97207-8120



STRI	JUTURA	L CHECKSI	HEET	Application #:	01-143769-000-00-CO				
	Commerci	al Building Permi		Review Date_:	July 30, 2001				
o:	APPLICAN	NT PETER ALI		Work:	503 221-1474				
		421 SW SI	XTH AVENUE SUITE 1300 O OR 97204	Fax:	503 227-0762				
rom:	Structural	Jed Samps		Phone:	503-823-7540				
TOIR.	Engineer	ded Samps	uri	Fax: e-Mail	503-823-7540 503-823-7692 sampsonj@di.portland.or.us				
					Ci				
c:	OWNER	MANAGEM 2505 SE 11			Sr. Jornan				
				1	TI. VOTA				
		RMATION			Pn 15				
	\ddress:	1120 SW 3R			``U)				
escrip	tion of Work	: Interior demo platform.	and reconstruction of booking t	facility floor LL1 and	donstruction of mechanical				
regon	Structural S	and specification: pecialty Code and	s submitted, the following items d / or other city, state, or federal	appear to be missing requirements.	ng or not in conformance with the				
em #	Location on plans	Code Section	Clarification / Correction Re	quired					
1.			Complete and return the attack permit.	hed Special Inspec	tion Form prior to issuance of the				
2.			Supply stamped structural calculations and details showing how the mechanical units are attached to the mechanical platform to resist code required horizontal and vertical loads.						

STRUCTIONS

respond to this checksheet, come to Document Services (1900 SW Fourth Ave., 2nd floor) and update all four sets of the jinally submitted drawings. To update the drawings, you may either replace the original sheets with new sheets, or edit the jinally submitted sheets when corrections are of a minor nature and when approved by the Office of Planning and Development view. (Specific instructions for updating plans are posted in Document Services.)

ase complete the attached Checksheet Response Form and include it with your re-submittal. Notify Document Control Staff t you are submitting corrections for the Structural review. To ensure that the plan reviewer receives notification, verify that the nputer has been updated to show that the corrections were received.

ou have specific questions concerning this Checksheet, please call me at 503-823-7540. To check the status of your project, ase call (503) 823-7000 and select option 4. Your Plan Review Status will be faxed to you, so please be ready to provide a fax mber. If you don't have a fex number, you may dial (503) 823-7357 to request a Plan Review Status or visit Document Services.



Office of Planning and Development Review City of Portland Special Inspections 1900 SW 4th Avenue, Suite 5000 Portland, OR 97201

Structural Special Inspection and Observation Program Checksheet

The architect or engineer of record shall prepare and submit a special inspection and structural observation program in accordance with UBC Section 106,3.5. The architect or engineer of record shall confirm that the special inspection and structural observations noted below are indicated on the plans. Major projects may require that a more complete program be prepared.

~ Please Note that a separate Soils Inspection Form may also be required ~ Instructions -- This Checksheet must be fully completed to obtain your permits

⇒ Part B and Part C (if ir ⇒ Part D must be signed	ndicated) must be completed by the by the Owner, or Architect or Eng	e Owner, Architect or Engineer acting as the owner	gineer. 's agent.
When complete, return to D The information on this form	ocument Services, attn: <u>Specia</u> must be provided before your	al Inspections, or fax to building permit can be i	(503) 823-5434. ssued.
Application # Project Name: Site Address: Architect of Record (Firm) Engineer of Record (Firm)	01-143769-090-00-CO JUSTICE CENTER BOOKING 1120 SW 3RD AVE	Phone # Phone #	
The following special inspect Code and City of Portland Ad Record and approved by the	llons and structural observations dministrative Rules unless a prog Plan Review Division.	shall be performed accordant of inspections is sub-	ding to the State Building mitted by the Engineer of
PART A X Anchors - Adhesive Anchors - Cast-in-place X Anchors - Expansion Special Cases: PART B Mandatory - If any Indicate the City approved ins	Reinforced Concrete Prestressed Concrete Shotcrete Shotcrete Dox in PART A is checked, PA	X Structural Steel Str. Silicone Glazing Masonry fm = RT B must be completed acid inspections noted in	Wood 5-Story Construction Fireproofing PART A above.
PART C If box below is che	acked, PART C must also be co y Engineer of Record. Indicate st	npleted ages at which structural o	bservation is to occur:
PART D This Checksheet in The owner hereby agrees to e noted special inspections and	nust be signed by the Owner, A employ the special inspector, appr for structural observation.	rchitect or Engineer of F oved testing agency and/o	Record or engineer for the above
Signature of Owner or the Architect (Please Note: Contractors are	or Engineer acting as the Owner's Agent NOT authorized to sign)	Date	· · · · · · · · · · · · · · · · · · ·
Print Name	······································	Phone	
Firm		Diana Evandrant Ind Co	

Structural Checksheet with Special Inspections Response

lote:	Please number each change in the '#' column. Use as many lines as nec changes. Indicate which reviewer's checksheet you are responding to an addresses. If the item is not in response to a checksheet, write customer	d the item your change
#	Description of changes, revisions, additions, etc.	Checksheet and item #
		· · · · · · · · · · · · · · · · · · ·
	and the second s	
		· · · · · · · · · · · · · · · · · · ·
		The state of the s
		
<u></u>		

08/13/01 WED 15:00 FAX 503 823 4591

OPDR

Ø 003

Please indicate below the Items being submitted for review. Please refer to the "Summary of Submittal Requirements - Commercial, Industrial and Multi-Family Dwellings" handout for a comprehensive list of requirements. Failure to provide any of the required information at time of submittal will be cause for rejection of your application. Applications will not be processed or routed for review until all plan review/processing fees have been paid.

Yes	N/A		2.50
- 1	MA	Final Plat Approval: Projects involving a land division or new subdivision are required to have final plat	
		Appeals: Have appeals been gramed for this project? YES NO If Yes, copies must be attached	
\neg		Phased Pormits: Are you requesting phased permitting at time of permit submittal? YES (NO)	
Y		Main Pormit: Four (4) complete sets of construction documents (design drawings for phased permits) that include:	
	NA	Sitte Plan: A 100% complete site plan showing all related improvements	100
	MA	- Foundation Plans: A foundation plan including all dimensions, construction details and references	
_	NA	Elevations: Building elevations	
7		Floor Plans: Floor plans (for phased permits see bandout)	
7		Sections: Building sections (for phased permits see handout)	
V		Mechanical, Electrical & Plumbing drawings: (see handoot)	
4		Specifications: Two (2) sets of complete construction specifications (for phased permits see handout)	
Ÿ		Structural Calculations: one (i) set	
	NA	- Soils Report: Two (2) sets of soils reports	
	II	 Soils Report: 1wo (2) sets of some reports you are also requesting a phased permit at the time of permit submittal, you must also pro 	yide Accepte
Yes	N/A		
		Partial Permit: Four (4) complete sets of construction documents for the scope of the partial permit (usually "Grading/Shoring Only", Structural Only", or "Foundation Only" permits) that include:	
	 	Site Plan: A 100% complete site plan showing all related improvements	
	 	Construction Plans: 100% construction plans showing all work to be done under partial permit	
-	1	Mechanical, Electrical, Plumbing Drawings: (see handout)	
	1	- Spacifications: Two (2) sets of construction specifications for work to be covered under the partial permit	
		- Structural Calculations: One set of complete calculations for the work covered under the partial permit	
	†	Soils Reports: Two (2) sets of soils reports	100

5/13/61 WED 14:59 FAX 503 823 4591 OPDR	:. Application #: 01—143769 CO 002
Date:	Application #: 01-145 / 01 / 00
	war in water and the second
Project Address: 1120 5. W. ZEWAV	E. Project Valuation: \$3,600,000
Legal Description: MULTINOMAH Co. JUST	ICE CONTENT Tax Account #:
Applicant's Name: PETEL ALEF	* Phone #: 503-22/-/474
Company Name: KMD ARCHITECTS	. Fax #: 503-227-0762
Address: 421 S.W. 6TH, SUI	TE 1300, PORTIOND, OR 97204
Contractor's Name: HOFFMON COUST.	Co. = Phone #: 503-22/-88//
Address: 805 SH. BEODWAY, SUITE 2/1	E. DDX, OR T Fax # 503-221-8934
Which of the following best describes the proposed	
☐ Addition ☐ Demolish structure	☐ Move a structure
How many square	From what address?
fcet?	TOTAL MARIE DEGICAÇÃO
•	the state of the s
Alteration	New Construction
If change of use or occupancy:	How many square feet?
From use/occupancy	How many stories?
To use/occupancy	Number of structures
Seismic Upgrade: Yes No 🗶	
Briefly describe the proposed work (include location): LG CONSTRUCTION of BOOKING FL	BELECTIVE DEMOLITION AND
CONSTRUCTION OF MERHANICAL PLA	OTEMAN
Which of the following best describes the use of the	structure(s)? Check ell that are applicable.
Apartments/Condos D Education	Carrier at a control of the Artica Management at the
☐ Apartments/Condos ☐ Education ☐ Assembly ☐ Factory/Industrial	Institutional
Assembly Assisted Care Facility Hazardous	☐ Row House (3 or more) retaining wall, tank,
☐ Business ☐ Hotel	Storage rower, and work)
Existing Structure:	Plumbing Fixtures: 59 6XT
What is the square footage of the existing structure?	How many new alumbing fixtures? 41 Pos
How many stories is the existing structure? 16 ABOV	MINUS / S
For Dwelling Units:	
How many dwelling units are existing?	Floodplain: Is the property in the floodplain?
How many dwelling units will be demolished?	is the property in the Aboutplants
How many dwelling units will be added?	
Have any appeals been requested or approved for t	his project?
Yes No _ If yes, please attach a copy,	ins project.
Have any Land Use Reviews been requested or app Yes No // yes, please attach a copy.	rovea for this project?
Haanillatering commercial Submitted Appropria	

5032270782;

Jun-14-01 10:05AM;

Page 2

Sent By: KMD ARCHITECTS;

LIFE SAFETY CHECKLIST
Application No.: 01-143769-000-00-CO
IVR No.: 2106506
LOCATION Code

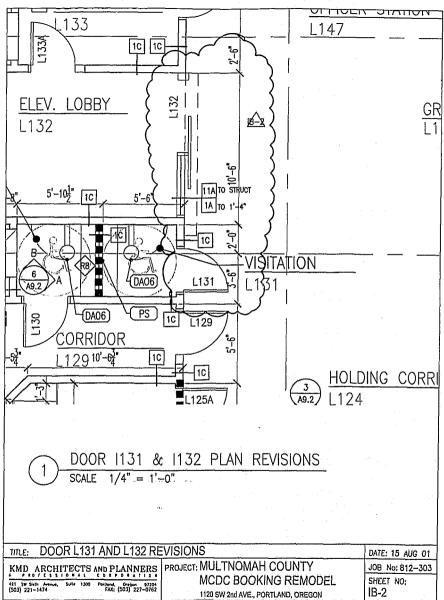
MULTNOMAH COUNTY MCDC BOOKING REMODEL 1120 SW 3rd AVE. PORTLAND, OREGON 97405

1	LOCATION	Code	i
ITEM#	ON PLANS	Section	Clarification / Correction Required
1	D2.3, A2.2	112.1	
		1	All occupied areas called out on plans. Completed on reinserted drawings.
2	A2.2	1007.5.5	Door to stair No. 1 exits to an up run of stairs. Existing condition now
•		į.	documented on re-inserted plans.
3	A2.2	112.1	Drawing A2.2 shows floor finishes in each room. Section 09000-1 in the
i		1	Specifications denotes floor, wall and ceiling finishes.
4	Floor Plans	112.1	Occupancy types and seperations are revised on re-inserted sheets.
5	ES2.2, A2.2		description of the selection of the sele
		j - 0.1	All locks on the exit path are controlled either by Building Central Control
			(existing at 2nd floor) or by local control at L112. Building Central Control
		i	can take control of all of the doors in the exit path during an emergency.
	,	}	All locking mechanisms in the exit path are either remotely operated
			motorized slider units or swing doors with remotely operated electric locks.
	1	:	All doors on the exit path are emergency keyable from both sides. See
		1	door and frame schedule Specification section 08000 and hardware
			schedules 08710 and 11192.
6	A2.2A, A2.2	323	All glazing is shown on the Interior Window Schedule (08000-3) and
		ř.	elevated on drawings 08000-5 through 08000-7. Glazing is called out on
			the Interior Window Schedule and further specified in Section 08800. All
			glass will conform to Code Section Appendix Chapter 3, 323,1,2 "Fixed
			security glazing set in noncombustible frames protected by an automatic
			sprinkler system equipped with listed quick-response sprinklers designed
			to wet completely the entire surface of any glazing. Other products may be
			approved under an alternate means of protection as specified under
			Section 104.2.8."
7	E2.2, Note	112,1	Stair access to mechanical platform is from the ground level only. Stair is
	17		always down when mechanical is being serviced. Similar to elevator
			access stair at floor 10 in the existing building.
8	M2.2	112.1	Supplimental unstamped coordination drawing showing mechanical
			ductwork and rated walls is provided as drawing M2.2A for coordination
_			only.
9	A1.1	316.5	
4.0		ا سمده	Elevator Lobby L132 has a sliding door assembly at both ends of the lobby.
10	A1.1	316.5	Oli the extension of a control of the control of th
			Sliding door L132 located between grids 14 & 15 @ 13' east of Grid 'H' is a
		- 1	detention electronically sliding door. The door assembly like almost all
			detention doors are not rated. The assembly is installed with additional
			sprinkler heads to provide coverage as noted in Item 6 above. The
			balance of the wall is built to a raiting for contol of smoke and fire. In
			addition, the elevators in the elevator lobby are being fitted with smoke
11	A4,2	Code	shutters to contol any smoke generated or transmitted in the elevator shaft.
(1	A4.2		Provided Ad A to Kales sensitived about the consequent and the con-
	. *	Suide !	Drawing A1.1A is being provided showing egress path and lighting layout.
			This is informational only and not part of the Construction Documents.

K M D A R C H I T E C T S A N D P L A N N E R S , P C A P R O F E S S I O N A L C O R P O R A T I O N 421 SW SIXTH AVENUE, SUITE 1300 + PORTLAND, OR 97204 + 503.221.1474/FAX 503.227.0762

INFORMATION BULLETIN

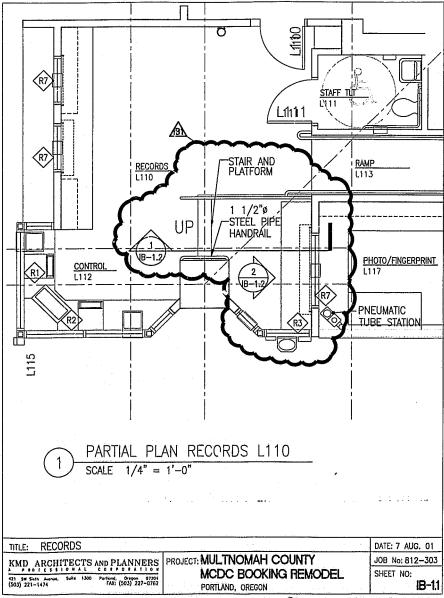
PROJECT:	Multnomah Co Remodel	unty MCDC Booking		NO.:	IB-2			
CONTRACTO	R: Hoffman C	onstruction Company		DATE:	15 August 200	1		
DATE OF CONTRACT: 31 May 2001 ARCHITECT'S JOB NO. 8								
RFI REFEREN	RFI REFERENCE: None							
DESCRIPTION	OF WORK TO	BE PERFORMED:						
IB-2.1		ge door swings on do proved in Habersham/						
	Door L131 cha	nges from LH to RH s	wing. Ha	rdware stay	s the same.			
	Door L132 char Opener remain	nges from RH to LH w s on Waiting area L12	ith the do	oor operator	changing openi	ng directions.		
■ Peferenced	Orawings: A2,2	8. A2.2A						
Attached Dra		W. 72.27						
If above work r	esults in a chang	e in cost or time to the	e Contrac	t, advise Ar	chitect within 5 v	vork days.		
COPIES TO:								
		Captain Ronald Bish			•	e		
	KEP	Douglas Nelson, Viol OPDR	kers/Fost	er & Associa	iles			
D AGENCY	,							
CONTRAC	ror	Cary Bubenik, Hoffm	an Const	ruction				
CONSULTANT	S:	erecijesi maa en						
	RAL							
	, _.							
	D ELECTRICAL							
D OTHER	D OTHER							
NONES 1	els 1	al						
SIGNED: Pe	er Alei, Project	chitect	 _					

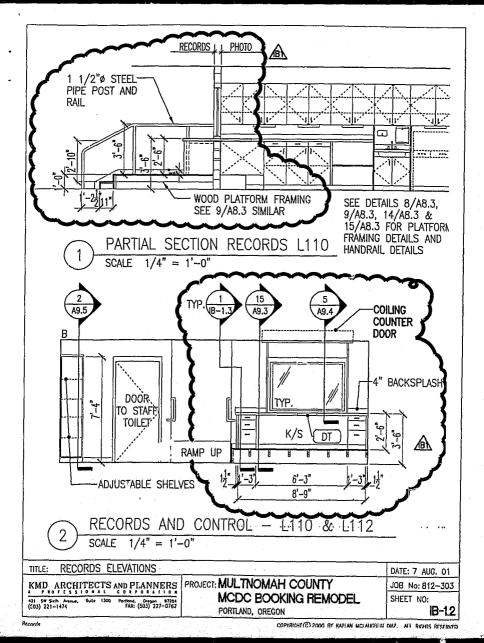


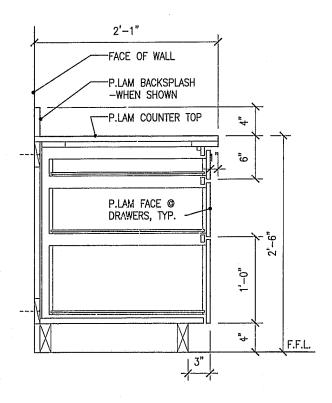
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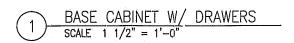
INFORMATION BULLETIN

PROJECT:		ultnomah County MCDC Booking model	NO.:	IB-1		
CONTRACTO	R:	Hoffman Construction Company	DATE:	7 August 2001		
DATE OF CON	NTR/	ACT: 31 May 2001	ARCHITE	CT'S JOB NO.	812-303	
RFI REFEREN	ICE:	None, MCSO Request				
DESCRIPTION	I OF	WORK TO BE PERFORMED:				
IB-1.1	Provide: Elevated wood platform, constructed from Douglas Fir, 2 by framing, 3/4" plywood flooring, with stair, skirt and toe kick. An 1 ½" nominal diameter steel pipe handrail shall be provided at the existing concrete column and a steel pipe handrail/ guardrail shall be constructed at the North side facing the Records area. Provide ar extra pipe post to accept the handrail extension from the ramp at Room L113. The elevated platform and stairs shall be carpeted to match the balance of the Records a					
■ Referenced ■ Attached Dra	Drav	vise: Interior elevation 4/A9.1 per 2/IB-1.; wings: A2.2A & 4/A9.1 as: IB-1.1, IB 1.2, & IB-1.3	2			
	-	ts in a change in cost or time to the Cont	ract, advise	Architect within 5 w	vork davs.	
COPIES TO: MCSO PROJECT GAGENCY AGENCY	REF	Captain Ronald Bishop, Mu Douglas Nelson, Vickers/Fo	illnomah Coi oster & Asso	unty Sheriff's Office		
CONSULTANT STRUCTUE CIVIL ELECTRIC MECHANIC OTHER SIGNED:	RAL AL CAL	L. My				
· Pe	eter A	Alef, Project Architect				









TITLE: RECORDS BASE CABINET		DATE: 7 AUG. 01
KMD ARCHITECTS AND PLANNERS	PROJECT; MULTNOMAH COUNTY	JOB No: 812-303
(2) SW Stath Avenue, Suite 1300 Portland, Oregon 97204	MODO BOOKING REMODEL	SHEET NO:
1303) 221-1474 FAX: (503) 227-0762	PORTLAND, OREGON	IB-1.3