



HOFFMAN CONSTRUCTION COMPANY
OF OREGON

METRO HEADQUARTERS

PROJECT MEETING MINUTES

Our Job No. 9214

Meeting No:	43	
Date:	October 13, 1992	
Location:	HCCO Field Office	
Attendees:	Berit Stevenson	Metro
	Glenn Taylor	Metro
	Maurice Neyma	Metro
	Sandy Stallcup	Metro
	Paul Thimm	Thompson Vaivoda & Associates
	Cade Lawrence	Hoffman Construction Company
	Bill Stotts	Hoffman Construction Company
	Don Nail	Hoffman Construction Company
	Ed Carlisle	Glumac

ACTION SUMMARY

HCCO

11-3-1	Expedite Fire Sprinkler calculations/layout
35-3-3	Obtain pricing on fabric window blinds
36-3-4	Obtain a new plaza concrete sample
41-3-3	Price Parking Garage lighting
42-3-4	Review glass fill issues with Goldie Gentle
42-3-5	Get the overall schedule updated for extension review

TVA

11-3-1	Review and respond to ACSI letter
33-3-1	Finalize and issue new Daycare kitchen design
39-3-2	Work out a final design for Plaza drainage
40-3-1	Finalize the media connection design
40-3-3	Finalize the Police and Greenspace space planning by 10/31/92
41-3-1	Provide color chart/carpet by 10/16/92
41-3-4	Survey Parking Garage "ADA" and provide fee
41-3-7	Issue an ASI to document tenant VE approvals
42-3-1	Reduce paneling scope at miscellaneous T.I. rooms
42-3-2	Issue ASI on added irrigation sleeves for Parking Garage
43-1-1	Confirm carpet type and quoted price

TVA (Continued)

- 43-1-2 Finalize and issue Council Chambers and Reception desk design by 10/16/92
- 43-1-4 Verify status of Parking Garage telephone room design

METRO

- 43-1-2 Obtain final approval of the Council Chambers and Reception desk by 10/14/92

GLUMAC

- 2-3-5 Issue a document with added occupancy sensors
- 11-3-1 Coordinate with ACSI on paging system
- 33-3-1 Expedite redesign of Daycare kitchen
- 36-3-1 Issue new electrical lighting drawings with circuitry by 10/16/92
- 40-3-1 Finalize the A/V room electrical design
- 43-1-3 Check on heat load and electrical requirements at basement phone room

43-1-0 ACTION ITEMS

- 43-1-1 Carpet Pricing: HCCO explained the latest T.I. budget numbers presented to Metro were for a "Shaw, Capilano", 32 oz. carpet. HCCO voiced concern over TVA's selection of a "Princetown" carpet, which would be an approximate addition of \$32,000 to the latest T.I. cost. TVA will check into which carpet they were planning on using and what price commitment they received.

Action: TVA
Date: 10/14/92

- 43-1-2 Council Chambers Desk: TVA submitted the latest Council Chambers desk design to Metro for final approval. Metro will try to obtain approvals by 10/15/92, so TVA can issue "For Construction" drawings by 10/16/92. HCCO voiced concern this activity was going to be driving the schedule again if the work is not awarded by 10/16/92.

Action: Metro/TVA
Date: 10/16/92

- 43-1-3 Telephone Room Cooling/Electrical: Glumac requested heat load information from Metro for the basement phone switchroom design. HCCO gave Glumac a copy of the cooling equipment data expected to be used. Glumac will call the GTE representative to determine their actual needs.

Action: Glumac
Date: 10/20/92

- 43-1-4 U.S. West Room Design: HCCO questioned the status of design on the U.S. West room in the garage. TVA will check on it.

Action: TVA
Date: 10/20/92

43-2-0 **RESOLVED ITEMS**

- 39-2-3 Parking Garage Upper Deck: Metro explained they had found the proposed Conideck system for the parking garage top deck had only been installed for several weeks at the latest project references. Metro requested proposals using 3M or Sonneborn products. HCCO will obtain the pricing.

Action: HCCO
Date: 9/22/92

As of September 22, 1992: HCCO expects Pardue's proposal on using Sonneborn yet today and will submit to Metro for review.

As of September 29, 1992: Same as above.

As of October 6, 1992: HCCO submitted the Pardue proposal to Metro and they will make a decision on whether to use Pardue Restoration or Pioneer Waterproofing.

As of October 13, 1992: Metro decided to put this extra work on hold until they had determined whether the overall budget could cover the costs.

- 41-2-2 Wood Finish Sample: TVA requested a sample of the maple paneling finish being proposed by Desch. HCCO will try to get a wood finish sample by the next meeting.

Action: HCCO
Date: 10/6/92

As of October 6, 1992: HCCO explained they hope to receive the preliminary wood paneling finish sample by this afternoon.
As of October 13, 1992: HCCO submitted an initial sample on the wood paneling finish and TVA rejected it. HCCO will get a new sample submitted through the normal submittal process.

- 41-2-5 Variable Frequency Drives: HCCO questioned if there was a problem with the distance between the mechanical units and variable frequency drives. Glumac explained the manufacturer had voiced some concern about the distance issue but could not identify any particular area of design flaw. Glumac will issue a letter of response to close the issue or force the manufacturer to explain their concerns.

Action: Glumac
Date: 10/6/92

As of October 6, 1992: Same as above.
As of October 13, 1992: Glumac issued a letter to Oregon Air representatives concerning the variable frequency drives and requesting a formal letter if they still felt there was a problem.

- 42-2-3 Certified Payroll: Metro requested HCCO get the latest certified payroll information submitted so they can do their review. HCCO will get the certified payroll sent to Metro.

Action: HCCO
Date: 10/9/92

As of October 13, 1992: HCCO explained the field office manager was getting the certified payroll issued. Metro will let HCCO know if there are still any concerns.

- 42-2-6 T.I. Base Sheet: Metro requested a base sheet from TVA on the various tenant areas so they can start their detailed space planning work and labeling of spaces. TVA will get a copy of the latest base sheets over to Metro.

Action: TVA
Date: 10/13/92

As of October 13, 1992: TVA issued the base sheets to Metro and Metro started on their final tenant labeling.

- 42-2-7 Perimeter Diffuser Layout: HCCO requested Glumac and TVA do another review of the perimeter diffuser installation requirements as there is some confusion on whether the diffuser should be in the ceiling grid or drywall soffit. TVA and Glumac will review following the meeting.

Action: TVA/Glumac
Date: 10/9/92

As of October 13, 1992: TVA issued final ceiling layout drawings which clarified how the perimeter diffusers are to be laid out. HCCO will review the drawings and contact TVA if they still find major problems.

43-3-0 UNRESOLVED ITEMS

2-3-5 PP&L Energy Analysis: Metro reported they have a meeting with Glumac January 10, 1992 at 10:00 at Glumac's office to review the PP&L energy analysis issues. Any parties interested will attend the meeting.

Action: Metro
Date: January 10, 1992

See previous meeting minutes for prior status.

As of September 29, 1992: Glumac will get the initial parking garage construction documents issued to HCCO and TVA by 10/2/92. HCCO will have Grasle price the final documents while Metro reviews the design. Metro decided the light controls are to be either on or off. Metro will get Glumac a list of rooms which should have occupancy sensors so Glumac can finalize their locations. Metro agreed no switches should be in bathrooms or conference rooms unless the conference room had lights which could be dimmed.

As of October 6, 1992: Metro issued a memo clarifying which rooms should have occupancy sensors. TVA and Glumac will issue an ASI addressing the issue so HCCO can finalize pricing and get rough-in started. Glumac issued preliminary lighting drawings for the Parking Garage and HCCO has them being priced.

As of October 13, 1992: TVA explained they were working on an ASI to address the occupancy sensors. At HCCO's request and to prevent schedule delays, TVA via Glumac will get the bathroom occupancy design faxed over to HCCO. HCCO expects the Parking Garage lighting bids on 10/14/92.

11-3-1 Paging System: HCCO questioned the status of a paging system for the project. Metro explained they do want a paging system included in the T.I. design. TVA will review what is necessary to provide a paging system.

Action: TVA
Date: 3/10/92

See previous meeting minutes for prior status.

OUT TO
BID

As of September 29, 1992: TVA issued the latest revised reflected ceiling plan to ACSI so they can proceed with their paging design. HCCO also sent the drawings to Basic Fire for final layout of the sprinkler heads. A meeting was scheduled for 10/1/92, at 4:00 p.m. with TVA and Basic Fire to finalize the head layout. Metro confirmed ACSI should have their paging out in 3 to 4 weeks (10/29/92).

As of October 6, 1992: A meeting was held on 10/1/92, and the sprinkler head and speaker layout were coordinated. Metro had ACSI review TVA's preliminary speaker layout and will issue the comments by ACSI to TVA. TVA will respond to the ACSI comments. HCCO will expedite submittal of fire sprinkler final head layout and calculations for final review. Glumac will get with ACSI and respond to the questions by ACSI.

As of October 13, 1992: Same as above. HCCO will contact ACSI about splitting the paging and A/V design if the schedule would be delayed. HCCO talked to ACSI and committed to issuing paging and A/V documents by 10/16/92, with certain assumptions. TVA will fax ACSI the media box location.

CR/110
33-3-1 Daycare Range Venting: Metro questioned whether the present Daycare kitchen will allow full cooking processes as they had heard the State office Daycare kitchen could not have full cooking. TVA will check with Glumac on the Daycare kitchen capabilities and report back.

Action: TVA
Date: 8/11/92

R
See previous meeting minutes for prior status.

As of September 29, 1992: TVA explained they are appealing the Daycare range exhaust which would allow the existing ductwork to stay the same. TVA expects the appeal decision on 9/30/92. TVA will get the revised sink design issued by the middle of next week.

As of October 6, 1992: TVA explained the appeal was approved so the hood ductwork can remain as designed. TVA will issue an ASI to document the appeal. Metro requested TVA delete the Daycare compactor. TVA tabled two (2) options for the new kitchen layout and Metro approved the option with the range at the island. Metro will have the Health Dept. review it. TVA will get Glumac designing on the new sink.

As of October 13, 1992: Metro reported the Health Department had approved the latest Daycare kitchen layout. Glumac and TVA committed to trying for issuance of the new kitchen drawings by 10/16/92, so HCCO could proceed with the plumbing

work. Glumac will get HCCO the roof vent location immediately so roofing could start next week in that area.

- 35-3-3 Blind Selection: HCCO questioned the status of TVA and Metro reviewing options for the window blinds. TVA will get Metro some window blind samples they were looking at.

Action: HCCO
Date: 8/25/92

See previous meeting minutes for prior status.

As of September 29, 1992: TVA expects a price from Peter Hall on 10/1/92.

As of October 6, 1992: TVA tabled pricing and samples from Peter Hall on various blind fabrics. HCCO explained the pricing was for material only and no installation. HCCO will get a complete furnish and install price based on the Peter Hall quote. Metro selected Herringbone #3010 for the material to be priced.

As of October 13, 1992: Metro reviewed an existing building with roller shades and decided to proceed with roller shades in lieu of window blinds. HCCO reported they have the soffit backing being installed at this time for the roller shades. HCCO will finalize the roller shade and soffit backing costs and get them submitted to Metro for final approval. HCCO will also pursue pricing on other fabrics.

- 36-3-1 T.I. Lighting: Glumac explained the present design utilizes three lamp fixtures which can have the middle light fixtures turned off. Metro will get with PP&L to discuss affects to the energy study since the three lamp fixtures will use more than one watt/s.f. but the three lamp fixture is necessary to meet the RFP footcandle requirements. Glumac will review how many light fixtures should be required as part of the core and shell vs. T.I. area.

Action: Metro/Glumac
Date: 9/1/92

FIXTURES ON ORDER.

ZUMTOBELS \$250 EA @ 42 - STEVE
\$ 10,500

LEVOLOR
BASKET WEAVE
7000 BLACK

GLUMAC

As of September 29, 1992: A meeting was held and the final ceiling layout was approved with Metro agreeing to pay for the redesign. Glumac committed to issuing a light fixture list with quantities by 10/2/92, from which HCCO could order fixtures. Glumac also committed to reissuing the ceiling electrical design by 10/16/92. Glumac will attend the 10/6/92, meeting at 10:00 a.m. to finalize the sprinkler and light layout.

As of October 6, 1992: Glumac issued a new light layout drawing on 10/2/92, from which HCCO could order the fixtures. A meeting between HCCO, Grasle, TVA, and Glumac was scheduled to follow this meeting for review of the latest light submittals so that the fixtures could be ordered. Glumac is still scheduled to issue the final lighting drawings with the new circuitry shown by 10/16/92.

As of October 13, 1992: TVA tabled an "Approved As Noted" lighting submittal for HCCO's use. HCCO will get the submittal issued to Grasle so the fixtures can be ordered. Glumac is still scheduled to issue the revised lighting design with circuitry shown on 10/16/92.

- 36-3-4 Plaza Concrete Mockup: Metro explained the Plaza area artist would like to see a sample of the Plaza exposed aggregate finish and color. HCCO will get a sample together but warned the color could vary due to the concrete being supplied by Lone Star.

Action: HCCO
Date: 9/1/92

As of September 29, 1992: Same as above.

As of October 6, 1992: HCCO requested Goldie Gentle put together an exposed aggregate mock-up specifically for this job since the aggregate mix could be different from the other job. Goldie Gentle will expedite a concrete mock-up.

As of October 13, 1992: HCCO explained the mock-up was scheduled to be ready for review following the meeting. All parties will review the mock-up if it is ready.

- 39-3-2 Plaza Planter Drains & Soil: Mayer Reed questioned whether the planters will drain properly. TVA, HCCO and Mayer Reed

will review the drainage issues following the meeting. Metro also proposed using a recycled soil mix at the planters, if possible. Mayer Reed voiced concern about the recycled soil being compatible with the planting, drainage rock and waterproofing. Metro will issue a proposal and sample to TVA on the proposed recycled soils from which Mayer Reed can run compatibility tests.

Action: Metro/Mayer Reed
Date: 9/22/92

As of September 29, 1992: Same as above.

As of October 6, 1992: HCCO did utilize crushed glass at the retaining wall for backfill. TVA and HCCO will review the Plaza drainage situation to insure proper drainage is achieved. Mayer Reed is still reviewing the use of McFarlen top soil due to its percentage of recycled material.

As of October 13, 1992: Mayer Reed approved the use of a Grimmeres soil mix for the Plaza area. HCCO will verify if there is a cost issue associated with revising the soil mix. TVA reported they have Glumac reviewing the Plaza planter layout at this time.

USE GRIMMERES
NEW FABRIC
SUBMITTAL & TEST

40-3-1

Council A/V Room: Metro requested Glumac proceed with the A/V room mechanical and electrical design work in accordance with ACSI meeting minutes recently issued. TVA will contact Glumac about proceeding with the design. TVA will also address where adding of conduits should be routed to accommodate the press when they are filming the council chambers' meetings.

Action: TVA
Date: 9/29/92

As of September 29, 1992: TVA explained they had been working with ACSI on the street conduit panel box location as the panelbox is very large. TVA will get the design resolved by 10/6/92, on the panelbox. Glumac has started the A/V design and will complete the design by 10/6/92.

As of October 6, 1992: TVA will issue a sketch this week which shows the media panel at the opposite wall of the Stair #5 vestibule. TVA will investigate placing the media connection at the north elevation in the northwest planter, but will not delay issuing a design resolution. Glumac will continue to finalize the A/V room design.

As of October 13, 1992: Glumac explained they have not started on the design yet and they needed cooling data from

ACSI. Glumac will call ACSI direct to obtain any heat load and cooling data. HCCO tabled a copy of the cooling equipment which was to be utilized at the A/V room. TVA committed to issuing the Media location drawing to ACSI by tomorrow. Glumac and TVA agreed to try for a 10/20/92, issuance date. TVA explained the media box did not work at the building's northwest exterior corner.

- 40-3-2 Greenspace T.I. Area: Metro explained they will need to add T.I. space down in the Southeast corner by the Fitness Area for a future "Greenspaces" group. Metro will finalize their program needs and get them issued to HCCO. HCCO emphasized it is critical that existing tenant and core design be left unchanged so the construction work is not delayed.

Action: Metro
Date: 9/29/92

As of September 29, 1992: Metro and TVA reviewed the programming needs and TVA tabled a new rough design. Metro authorized putting a hold on Fitness Area work between grids P & S. TVA will issue "For Construction" drawings to HCCO on the Police Station no later than 10/13/92.

As of October 6, 1992: TVA tabled a preliminary layout for the Fitness/Police area and Metro gave approval of the general layout. TVA will now proceed with their final documents and have Glumac proceed with their documents. Metro clarified that no plumbing at the Fitness should be on hold. TVA hopes to get the construction documents out in the next couple of weeks.

As of October 13, 1992: TVA scheduled issuance of the revised Police Station and Fitness design by ~~10/31/92~~.

10/21

- 41-3-1 Color Charts/Carpet: HCCO tabled a Shaw carpet sample and questioned when TVA would have a selection on the carpets, paint, millwork finish, etc. TVA committed to having a complete color chart/material selection by October 13, 1992. TVA assured HCCO the carpet they are selecting will only take six (6) weeks for delivery.

Action: TVA
Date: 10/13/92

As of October 6, 1992: Same as above.

As of October 13, 1992: TVA rescheduled issuance of the color charts to 10/16/92.

41-3-3

Parking Garage Electrical: HCCO questioned when Glumac would be issuing "For Construction" electrical drawings for the Parking Garage. Glumac committed to having the construction documents issued by 10/2/92, if TVA gave approval.

Action: TVA/Glumac
Date: 10/2/92

As of October 6, 1992: Glumac issued electrical drawings on the Parking Garage and HCCO is obtaining pricing for the work noted. HCCO anticipates to have the pricing by early next week.

As of October 13, 1992: HCCO expects to receive the Parking Garage lighting bids on 10/14/92.

41-3-4

Parking Garage ADA: Metro questioned whether TVA was doing an "ADA" review of the Parking Garage. TVA explained they were not doing an "ADA" review at this time. Metro commented they thought TVA would cover an "ADA" review for the value of their fee. TVA will review internally what their scope included for the Parking Garage.

Action: TVA
Date: 10/6/92

As of October 6, 1992: TVA explained they did not have an "ADA" redesign of the Parking Garage included in their original fee. TVA will do a survey of the Parking Garage against the "ADA" and submit a list of "ADA" issues with a fee to provide construction documents for those "ADA" issues.

As of October 13, 1992: TVA scheduled the Parking Garage "ADA" review to occur in early November and, at that time, Metro can decide whether to have the recommendations implemented.

- 41-3-7 T.I. "VE" Documentation: HCCO questioned when TVA would be issuing a clarification showing which "VE" items had been acceptable by Metro. TVA will get the VE issues addressed and hopes to issue an ASI by next week.

Action: TVA
Date: 10/6/92

As of October 6, 1992: HCCO again requested TVA issue documentation on the miscellaneous "VE" items for the tenant work. HCCO gave such examples as: (1) delete low wall face paneling; (2) approve using Shaw carpet; (3) simplify spine decorative guardrail; (4) delete spine tube steel; (5) revise wood frames/relites to H.M.; (6) reduce quantity of drywall reveals; (7) utilize "GTE" recycled ceramic tile; (8) delete room 284 special ceiling; (9) delete coffered ceiling option; (10) delete Factory Mutual requirement; (11) utilize recycled gym floor at fitness; (12) utilize recycled style toilet partitions at Fitness; (13) delete sandblasting at Annex; and (14) revise miscellaneous tenant light fixtures; (15) revise paneling at 347, 347 A-F; (16) revise the Daycare kitchen equipment.

As of October 13, 1992: TVA and Metro will review the miscellaneous T.I. revisions and issue an ASI summarizing all T.I. revisions authorized by Metro.

- 42-3-1 Council Chambers Conference Room: Metro requested TVA delete paneling or special wood finishes at Rooms 347 and 347 A-F to prevent another Archives issue. TVA will review the present design and propose a scope of reductions to Metro.

Action: TVA
Date: 10/13/92

As of October 13, 1992: TVA will issue an ASI by 10/16/92, which reduces paneling in Rooms 347 and 347 A-F.

ASI 56

- 42-3-2 Parking Garage Irrigation Sleeves: TVA questioned why Metro had directed Mayer Reed to add sleeving at various driveways. Metro explained they need the sleeves added to allow installation of irrigation at the Parking Garage perimeter for

future landscaping. TVA will issue an ASI to HCCO for the added scope of work.

Action: TVA
Date: 10/9/92

As of October 13, 1992: TVA will issue an ASI by 10/14/92, which clarifies additional sleeving required for the Parking Garage.

ASI 44?

42-3-4 Glass Fill at Sidewalk: Metro explained they have the city reviewing the use of crushed glass at the site sidewalks. Metro will expedite approval by the city since HCCO is proceeding with the sitework. HCCO emphasized they would proceed with standard rock fill if there is no approval on glass when they start.

R/
Action: Metro
Date: 10/9/92

As of October 13, 1992: Metro explained the city had approved using the glass fill over a certain area as a test project. HCCO will get with Goldie Gentle about using the glass fill and to see if there would be a cost impact.

42-3-5 Overall Schedule Review: HCCO explained they are concerned about meeting the schedule deadline since the tenant square footage and dollar value had increased greatly without any schedule extension. All parties agreed the issue should be reviewed further, once the latest schedule is updated.

Action: HCCO/TVA
Date: 10/13/92

As of October 13, 1992: Same as above.

43-4-0 **QUALITY/SAFETY ITEMS**

43-4-1 Safety Manhours: HCCO reported they had presently worked approximately 61,298 manhours without a lost time accident as of 9/30/92.

43-4-2 Quality Issues: No quality issues were brought up at this meeting.

43-5-0 **INFORMATION ITEMS**

43-5-1 Next Meeting: The next Project Review meeting is scheduled for October 20, 1992, at 8:00 a.m. at the jobsite office.

43-5-2 Schedule: See attachment, Fig. #1 for a copy of the HCCO three-week schedule.

43-5-3 Proposal Log: See attachment, Figure #2, for a copy of the latest HCCO proposal log.

43-5-4 Plaza Art: Metro, again, mentioned the Plaza artist needs a three (3) to four (4) week lead time before HCCO starts the actual Plaza concrete work.

43-5-5 Daycare Oven: Metro approved utilizing a residential oven at the Daycare kitchen area.

Submitted by:

Cade Lawrence

Cade Lawrence
Assistant Operations Manager

CL:gac
Attachments

cc: Attendees
Bob Thompson, TVA
Wayne Drinkward, HCCO

Attachment, Fig. #1

Hoffman Construction Job # 9214

Short Interval Schedule

OCTOBER

METRO HEADQUARTERS

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ACTIVITY DESCRIPTION	Subcont.	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MISC. DEMOLITION	HSI	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X		FOR NEW STEEL BEAMS
DEMO OLD FRM ELEV WALLS	HSI	X	X	X	X	X			X	X	X	X	X									
DEMO AND REPOUR SEISMIC JOINT AT 3RD FLOOR	HSI	X	X	X																		
PREP FOR GARAGE WALLS	HSI	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X		
FRP STEPS AT LOADING DOCK AND STAIR #4	HSI	X	X	X	X	X																
SHOTCRETE GARAGE WALLS	J. WEST											X	X									
INSTALL ELEVATOR 4 AND 5	SOUND	X	X	X	X	X			X	X	X	X	X									
INSTALL ELEVATOR #3	SOUND																		X	X		
MODIFY SPRINKLER SYSTEM	BASIC FIRE	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X		INTERMITTENT
INSTALL WEST ELEVATION BRICK THEN NORTH ELEVATION	DAVIDSON	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X		WAITING ON STRUCTURAL ST
GLAZE EAST ELEVATION	HARMON	X																				
INSTALL SOUTH ELEVATION CURTAINWALL AND TOWER	HARMON	X	X	X	X	X			X	X	X											
INSTALL WEST ELEVATION STOREFRONT AND CURTAINWALL	HARMON	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X		
FIREPROOFING	PERFORMANCE																					INTERMITTENT
INSULATION AND DRYWALL AND TAPE CORE AND SHELL	PERFORMANCE	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X		START 3RD FLOOR SOUTH AND WORK NORTH SAME ON 2ND FLOOR
SCREENWALL AND DRYVIT	PERFORMANCE	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X		
STAIR #3 FRAME AND DRYVIT	PERFORMANCE	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X		
SITE ELECTRICAL	GRASLE	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X		

METRO HEADQUARTERS

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	5
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ELECTRICAL ROUGHIN	JWP GRASLE	X X X X X	X X X X X	X X X X X	MAIN FEEDS AND ELECTRICAL ROOMS
INSTALL CABLE TRAYS	GRASLE	X X X X X			
PLUMBING ROUGHIN AND TESTING	PEN NOR		X X X X X	X X X X X	AT NORTH END
INSTALL DUCT	MCKINSTRY	X X X X X	X X X X X	X X X X X	
SET ROOFTOP HVAC UNITS	MCKINSTRY	XXX	X X X		
STRUCT AT PLAZA AND DAYCARE 'A'	CARR			X X X X X	
INSTALL STAIR #3 STEEL AND STAIRS	CARR	X X X X X			
INSTALL STRUCTURAL SKIN SUPPORTS/AWNINGS AT WEST SIDE	CARR	X X X X X			INCLUDES SLAB EXTENSION BRACKETS
INSTALL STRUCTURAL STEEL NORTH ELEVATION	CARR	X X X X X			INCLUDES NORTH ENTRY
INSTALL STAIR #5	CARR	X X X X X			
N.W. PLAZA STAIR	CARR			X X X X X	
MISC STAIR RAILS	CARR			X X X X X	
INSTALL BEAMS AT FLOOR SLAB OPENINGS	CARR	X X X X X	X X X X X	X X X X X	
INSTALL INSULATION AND ROOFING	BUCKAROO	X X X X X			SOUTH TO NORTH CRITICAL
SITE CONCRETE GRADING AND PAVING	GOLDIE GENTLE	X X X X X	X X X X X	X X X X X	NEED PERMIT AND O.K. FROM METRO
S. WALK DEMO	ALLIED	X X X X X	X X X X X		START ON LLOYD
EXTERIOR WINDOW AND	HARMON	X X X X X	X X X X X	X X X X X	

Hoffman Construction Job # 9214

Short Interval Schedule

OCTOBER

METRO HEADQUARTERS

~~SEPTEMBER~~

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ACTIVITY DESCRIPTION Subcont. 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

BRICK CAULKING

PARDUE

TI WORK

TI WORK

TI WORK

TI

TI

LAYOUT AND FRAME WALLS
AND SOFFITS

WESTERN

X X X X X

X X X X X

X X X X X

START ON 3RD FLOOR
THEN 2ND ✓

SET H.M. FRAMES

WESTERN

X X X X

X X X X X

CRITICAL

INSTALL LOW WALL TUBE
SUPPORTS

WESTERN

X X X

X X X X X

X X X X X

START ON 3RD FLOOR

POKE THRU HOLE DRILLIGN

GRASLE

X X X

2ND FLOOR

ELECTRIC ROUGHIN
WALLS AND CEILINGS

GRASLE

X X X X X

X X X X X

3RD FLOOR

ELECTRIC ROUGHIN
WALLS AND CEILINGS

GRASLE

X X X X X

2ND FLOOR

TI DUCT

MCKINSTRY

X X X X X

X X

3RD FLOOR

TI DUCT

MCKINSTRY

X X X

X X X X X

2ND FLOOR

PHONE POKE THRU
ROUGHIN

BROADWAY

X X X X X

TOILET ROOM DRYWALL
AND TAPING

PCI

X X X X

X X X X X

X X X X X

START 3RD FLOOR
THEN 2NDTOILET ROOM
CERAMIC TILE

PCI

X X X X X

START 3RD FLOOR
THEN 2NDDAYCARE PLUMBING
AND TAPING *TESTING*

PEN NOR

X X X X X

X X X X X

X X X X X

DAYCARE DEMO
AND SAWCUTTING

HSI

~~X X X X X~~

Attachment,
Fig. #2

HOFFMAN CONSTRUCTION COMPANY

BLDG: METRO
LOCATION: PORTLAND, OR
ARCHITECT: TVA ARCHITECTS

PROJECT PROPOSAL LOG

JOB NO: 9214
ESTIMATOR: CADE
DATE: 12-Oct-92

PR#	CR #	DESCRIPTION OF WORK	DATE SUBMT	DATE APPRV	PROPOSAL AMOUNT	C.O.#	ACTION STATUS	APPRVD C.O. AMOUNT	REMARKS
1	N/A	ADD 1ST FLOOR "CORE/SHELL" WORK, ADD TRAFFIC STUDY WORK, REMOVE PENTHOUSE EQUIPMENT	2/92	2/92	\$122,515	1	A	\$122,515	SEE C.O. 1
2	8	PROVIDE N. MECH. SHAFT SLAB CUT & CAP FOR FUTURE SERVICE TO FIRST FLOOR	N.A.	N.A.	\$1,883	2	A	\$1,883	SEE C.O. 2
3	12	PARKING GARAGE STRUCTURAL ANALYSIS	N.A.	8/11	\$8,774	4	A	\$8,774	SEE C.O. 4
4	9	TVA DWGS A3.4, A3.6, A8.9, & A8.10 (3/9/92) CONCERNING PLAZA CLERESTORY & FITNESS CENTER	3/13	VOID	\$115,549	VOID	V	VOID	DESIGN WAS REVISED.
5	11	ADD PENTHOUSE CORE & SHELL WORK	3/92	3/92	\$111,904	3	A	\$111,904	SEE C.O. 3
6	15	PARKING GARAGE ARCH., MECH, & ELEC DESIGN FEES	6/16		\$55,909	4	A	\$55,989	SEE C.O. 4
7A	40R1	DEMO & RESURFACE PARKING GARAGE UPPER DECK	9/30		\$140,734		O		METRO IS REVIEWING
8	32	ENERGY STUDY UPGRADE & DESIGN COSTS					O		METRO IS REVIEWING
9	41A	BASE BLDG DESIGN OPTIONS	8/4		\$123,613	4	A	\$123,613	SEE C.O. 4
10	19	PLAZA DESIGN REVIEW ISSUES					C		HCCO TO "VE" DESIGN
11	55	PARKING GARAGE OVERALL IMPROVEMENTS					O		METRO REVIEWING LIGHTING
12	56	PENTHOUSE AREA T.I. DESIGN WORK	8/25	10/7	\$6,912	6	A	\$6,912	SEE C.O. 6

HOFFMAN CONSTRUCTION COMPANY

BLDG: METRO
LOCATION: PORTLAND, OR
ARCHITECT: TVA ARCHITECTS

PROJECT PROPOSAL LOG

JOB NO: 9214
ESTIMATOR: CADE
DATE: 12-Oct-92

PR#	CR #	DESCRIPTION OF WORK	DATE SUBMT	DATE APPRV	PROPOSAL AMOUNT	C.O.#	ACTION STATUS	APPRVD C.O. AMOUNT	REMARKS
13	57	POLICE STATION T.I. DESIGN WORK	9/14	10/7	\$5,346	6	A	\$5,346	SEE C.O. 6
14	N.A.	UPGRADE TO MCQUAY ROOFTOP MECHANICAL UNIT	8/10		\$34,970	5	A	\$34,970	SEE C.O. 5
15	N.A.	ADD TELEPHONE ROOM DESIGN/DELETE DAYCARE VAULT	9/14	10/7	\$1,458		A	\$1,458	SEE C.O. 6
16	N.A.	REVISE LANDSCAPING DESIGN	9/14	10/7	\$2,700	6	A	\$1,836	SEE C.O. 6
17	85	SITWORK & SITE ELECTRICAL BEYOND THE "RFP"	9/21		\$263,316	N.A.	V	N.A.	VOID DUE TO SITE LIGHTING
17A	85A	SITWORK AROUND PARKING GARAGE	10/6		\$131,004		O		
18		POLICE STATION T.I. CONSTRUCTION WORK							
19	87	REVISED LANDSCAPING CONSTRUCTION							
20	88T	REVISE T.I. CEILING LAYOUT W/O COFFERS	9/25	9/28	\$8,095	T.I.	A	SEE T.I.	ABSORBED IN T.I. ALLOWANCE
21	97T	ADD BACK REVEALS @ COUNCIL CHAMBERS & RM 363	10/7		\$3,766		O		T.I. COST ISSUE
22	92	REVISE IRRIGATION TO DRIP SYSTEM					C		
23	82	ADD NEW BRICK VENEER SKIN @ PARKING ENTRY					C		
24	105T	FABRIC SHADES IN LIEU OF WINDOW BLINDS					C		

H O F F M A N C O N S T R U C T I O N C O M P A N Y

BLDG: METRO
LOCATION: PORTLAND, OR
ARCHITECT: TVA ARCHITECTS

PROJECT PROPOSAL LOG

JOB NO: 9214
ESTIMATOR:CADE
DATE: 12-Oct-92

PR#	CR #	DESCRIPTION OF WORK	DATE SUBMT	DATE APPRV	PROPOSAL AMOUNT	C.O.#	ACTION STATUS	APPRVD C.O. AMOUNT	REMARKS
25	106T	ADD SINGLE RESTROOM NEAR COUNCIL CHAMBERS					C		
26	107T	ADD (6) INSTA-HOT WATER HEATERS	10/12		\$5,886		O		
27	108T	REVISE FITNESS CENTER/POLICE STATION TO ALLOW FOR GREENSPACE EXPANSION	10/12		\$2,106		O		
28									
		TOTALS			\$1,030,891			\$475,200	