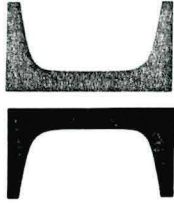


CHECK  
PARKING GARAGE  
LIGHTING

NEED COPIES  
ASI 57  
" 59  
" 60

OCT 23 NEED



**HOFFMAN CONSTRUCTION COMPANY  
OF OREGON**

**METRO HEADQUARTERS  
Our Job No. 9214**

**PROJECT MEETING MINUTES**

Meeting No: 44  
Date: October 20, 1992  
Location: HCCO Field Office  
Attendees: Berit Stevenson Metro  
Glenn Taylor Metro  
Maurice Neyma Metro  
Bob Thompson Thompson Vaivoda & Associates  
Paul Thimm Thompson Vaivoda & Associates  
Cade Lawrence Hoffman Construction Company  
Bill Stotts Hoffman Construction Company  
Don Nail Hoffman Construction Company  
Darryl Droba Glumac

**ACTION SUMMARY**

HCCO

2-3-5 Clarify Grasle having PCB removal at Garage  
42-3-5 Meet with Metro and review schedule extension issue  
43-3-1 Obtain "Shaw" carpet sample to match "Princeton"  
43-3-2 Price out Council Chambers desk and bathroom  
44-1-3 Have outside consultant review documents against "ADA"

TVA

36-3-1 Review and issue T.I. lighting drawings by 10/21/92  
40-3-2 Finalize the Police and Greenspace space planning by 10/21/92  
41-3-1 Provide final color chart/carpet by 10/16/92  
41-3-4 Survey Parking Garage "ADA" and provide fee  
43-3-1 Obtain new "Princeton" pricing and review cost issues with  
Metro  
44-1-1 Finalize Garage guardrail design by 11/3/92  
44-1-2 Issue 2nd floor slate expansion sketch for pricing  
44-1-4 Issue ASI concerning roof security and city appeal  
43-3-4 Issue Parking Garage telephone room design by 10/26/92

METRO

43-3-2 Obtain final approval of the Council Chambers and Reception  
desk by 10/14/92

GLUMAC

40-3-1 Issue the A/V room electrical design by 10/21/92

44-1-0 ACTION ITEMS

- ✓ 44-1-1 GARAGE GUARDRAILS: HCCO issued budget pricing to Metro on the Parking Garage guardrail preliminary design. Metro reviewed and decided to delete the four (4) awnings and let TVA finalize the cable rail design. TVA committed to having final construction documents issued by 11/3/92.

ACTION: TVA  
DATE: 11/3/92

- ✓ 44-1-2 SLATE EXPANSION: Metro and TVA explained they were reviewing whether to expand the 2nd level slate flooring. HCCO will issue a preliminary sketch to HCCO from which a budget price can be acquired.

ACTION: TVA  
DATE: 10/27/92  
METRO  
10/30/92

- ✓ 44-1-3 "ADA" REVIEW: Metro questioned the status of HCCO's search for a firm which specializes in "ADA" reviews. HCCO explained they recently received two (2) proposals for drawing review and would be selecting a firm this week. Metro questioned TVA on the utilized Title 1 or 2 in their review of the building "ADA" requirements. TVA will check into the title issue.

ACTION: TVA/HCCO  
DATE: 11/3/92

AWARDED TO SEATTLE FIRM - PROFESSIONAL DYNAMICS  
RESPONSE BY 11/11/92

- 44-1-4 ASI ON ROOF APPEAL: Metro requested TVA issue an ASI concerning revisions at the roof access doors so that no individual will get locked on the roof. TVA will issue an ASI.

ACTION: TVA  
DATE: 10/27/92

ASI 62

44-2-0 RESOLVED ITEMS

- 11-2-1 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.

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.

As of October 20, 1992: HCCO received the paging and A/V documents from ACSI and has them out for bid. HCCO expects bids by 11/3/92. Refer to CR 110T.

- 33-2-1 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

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.

As of October 20, 1992: TVA issued ASI 55 to clarify the Daycare kitchen layout and vent location. Glumac did issue a letter of concern about the city now allowing any frying at the Daycare kitchen. Metro acknowledged the situation and will handle it through internal policies.

35-2-3 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.

As of October 20, 1992: Metro and TVA received the alternate fabric pricing and authorized proceeding with the Levelor, #1 Basketweave - 7000, black fabric in lieu of mini blinds. HCCO will reissue CR 110T for Metro's final approval.

36-2-4 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.

As of October 20, 1992: TVA (Bob) reviewed and approved the concrete mock-up by the transformer pad.

39-2-2 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 Grimmes 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.

As of October 20, 1992: Metro authorized HCCO to proceed with using Grimmes soil, but requested they get the price lowered, if possible. Metro explained they thought the Grimmes soil would be less costly. TVA explained that Mayer Reed would want to review the planter fabric to insure compatibility with the soil. HCCO will get the fabric submittals coming for review.

41-2-7 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.

As of October 20, 1992: TVA issued ASI 56 to clarify which design revisions had implemented during the tenant "VE" phase. Metro will review ASI 56 and inform HCCO if they have any concerns with the design revisions.

- 42-2-1 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.

As of October 20, 1992: TVA issued ASI 56 to reduce the quantity of paneling at rooms 347 and 347 A-F.

- 42-2-2 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.

As of October 20, 1992: TVA issued ASI 51 to clarify the Parking Garage sleeving and landscaping. HCCO will pursue pricing on the added landscape work.

- 42-2-4 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.

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.

As of October 20, 1992: HCCO explained Goldie Gentle will be working with Metro (Pat Merkle) to place glass fill at the sidewalk next to the Daycare main sidewalk. Metro will deliver glass to the jobsite at no cost and Goldie Gentle will not charge for placing the glass.

43-2-3 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

As of October 20, 1992: Glumac did contact the GTE representative and verify the heat load to be put out by the GTE equipment. Glumac issued a memo documenting the loads. HCCO will distribute to Metro and TVA.

44-3-0 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 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.

As of October 20, 1992: HCCO received the Parking Garage light replacement bids and forwarded to Metro for review. HCCO will verify if Grasle has the existing PCB removal. Glumac will verify where they indicated the occupancy sensors. Metro, HCCO, and Glumac will meet in a couple weeks to finalize the energy study.

FINALIZE 11/3/92

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

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.

As of October 20, 1992: TVA explained they had received the revised electrical lighting drawings from Glumac and would be issuing them on 10/21/92. TVA explained they wanted one (1) afternoon to review the drawings prior to issuing.

ASI 57

OCCUPANCY SENSOR SWITCHING  
ANNEX

R



✓ 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 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.

As of October 20, 1992: Glumac reported they would have the A/V room design issued to TVA, ACSI, and HCCO by this afternoon.

NOT  
DONE

✓ 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 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.

R  
ASI 60

As of October 13, 1992: TVA scheduled issuance of the revised Police Station and Fitness design by 10/21/92.  
As of October 20, 1992: Same as above.

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

*ASL 59*  
As of October 6, 1992: Same as above.  
As of October 13, 1992: TVA rescheduled issuance of the color charts to 10/16/92.  
As of October 20, 1992: TVA tabled a preliminary finish schedule which showed the paint colors, plastic laminate colors and preferred carpet supplier. TVA will issue the final schedule to HCCO for their use by this afternoon. TVA will pursue a price reduction by "Prince~~ce~~" carpets.

*STREET*

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.

As of October 20, 1992: HCCO received the Parking Garage lighting bids and issued to Metro for review. HCCO will have Grasley clarify their bid in regards to light and PCB removal.

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.

As of October 20, 1992: Same as above.

" "

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.

As of October 20, 1992: HCCO explained the schedule update indicated the project was at a negative float of 12 days from the North Plaza award activity. The Reception Desk/Council Chambers desk was showing a negative float of + 6 days. HCCO issued a copy of the schedule update to Metro for their review. HCCO and Metro will get together next week to discuss any schedule extensions which may be necessary.

43-3-1 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.

R  
Action: TVA  
Date: 10/14/92

As of October 20, 1992: TVA explained they have the "Princeton" carpet representative checking into cutting the cost further in order to lower the cost to a level Metro may approve. TVA expects the pricing today. Metro was made aware of TVA still pushing for the "Princeton" carpet. HCCO is pursuing a "Shaw" carpet sample to match the "Princeton" color.

@ METRO FOR REVIEW. WAITING FOR SHAW STRIKE OFF

43-3-2 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

As of October 20, 1992: Metro explained the Council Chambers desk could not be approved until HCCO submitted the cost savings for lowering the desk. HCCO will try to get the pricing out today. HCCO will expedite the bathroom pricing, also.

TVA ISSUE REVISED DRAWINGS

43-3-4 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

As of October 20, 1992: TVA committed to having the U.S. West room designed by 10/26/92.

@ US WEST FOR REVIEW ASI 61

44-4-0 **QUALITY/SAFETY ITEMS**

44-4-1 SAFETY MANHOURS: HCCO reported they had presently worked approximately 63,500 manhours without a lost time accident as of 10/20/92.

44-4-2 QUALITY ISSUES: No quality issues were brought up at this meeting.

44-5-0 **INFORMATION ITEMS**

44-5-1 NEXT MEETING: The next Project Review meeting is scheduled for October 27, 1992, at 8:00 a.m. at the jobsite office.  
11/3/92

44-5-2 SCHEDULE: See attachment, Fig. #1 for a copy of the HCCO three-week schedule.

44-5-3 PROPOSAL LOG: See attachment, Figure #2, for a copy of the latest HCCO proposal log.

44-5-4 PLAZA ART: Metro informed HCCO the Plaza artist would be by next week following this meeting to further review the artwork schedule.

Submitted by:

*Cade Lawrence*

Cade Lawrence  
Assistant Operations Manager

CL:gac

STAIRS @ LOADING DOCK

Attachments

cc: Attendees  
Wayne Drinkward, HCCO

ACTION:

MEDIA BOX  
N. PLAZA

TVA - COUNCIL CHAMBERS CRITICAL

SUBMITTALS 8211-1  
8340-1  
8410-1.1  
8410-8  
8700-5

(OLD FAN IN TOWN) STAIR # 3 PRESSURIZATION FAN - REVISED  
\$ 1500 - 2000

SPRINKLERS IN PARKING GARAGE - OPTION 2 OUT FOR PRICING  
SET UP MTG W/GLUMAC & GRASLE TO ~~DEVELOP~~ ANSWERS ON LIGHTING CHANGE ISSUES.  
COUNCIL AV ROOM

Attachment,  
Fig. # 1

Hoffman Construction Job # 9214

Short Interval Schedule

METRO HEADQUARTERS

OCTOBER

NOVEMBER

Page 1

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ACTIVITY DESCRIPTION      Subcont.      19 20 21 22 23 24 25 26 27 28 29 30 31    1 2 3 4 5 6 7

=====

MISC. DEMOLITION      HSI      X X X X X      X X X X X      X X X X X      FOR NEW STEEL BEAMS

DEMO OLD PRT ELEV WALLS      HSI      X X X X X      X X X X X

PREP FOR GARAGE WALLS      HSI      X X X X X      X X X X X

SHOTCRETE GARAGE WALLS      J. WEST      X X

~~INSTALL ELEVATOR #1 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

GLAZE EAST ELEVATION      HARMON      X

*COPE FLASHING*      "      X X X      X X X X X      X X X X X      *START EAST ELEVATION*

INSTALL CURTAINWALL AT TOWER      HARMON      X X X X X      X X X      X

INSTALL WEST ELEVATION STOREFRONT AND CURTAINWALL      HARMON      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

ELECTRICAL ROUGHIN      JWP GRASLE      X X X X X      X X X X X      X X X X X      MAIN FEEDS, ELECT. ROOMS, AND BRANCH WIRING

Hoffman Construction Job # 9214

Short Interval Schedule

METRO HEADQUARTERS

OCTOBER

NOVEMBER

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ACTIVITY DESCRIPTION	Subcont.	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	
PLUMBING ROUGHIN AND TESTING	PEN NOR								X	X	X	X	X		X	X	X	X	X			BASEMENT, NORTH END, THIRD FLOOR & TOWER
INSULATE DUCT WORK	MCKINSTRY	X	X	X	X	X			X	X	X	X	X		X	X	X	X	X			THIRD, SECOND, AND FIRST FLOORS
STRUCT AT PLAZA AND DAYCARE "A"	CARR														X	X	X	X	X			SHOP DRAWINGS 10-23-92
INSTALL STAIR #3 STEEL AND STAIRS	CARR	X																				
ROOF LADDER	CARR								X	X	X	X	X									
COUNCIL CHAMBER STEEL	CARR	X	X	X																		
INSTALL STRUCTURAL SKIN SUPPORTS/AWNINGS AT WEST SIDE GRID E-G	CARR															X	X	X				CANOPIES INCLUDES SLAB EXTENSION BRACKETS
INSTALL STRUCTURAL STEEL NORTH ELEVATION	CARR	X	X	X	X	X																INCLUDES NORTH ENTRY DECKING
INSTALL RAMP AT TRASH CHUTE	CARR								X	X	X	X	X									
INSTALL STAIR #5	CARR	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>																START INSTALL 11-10-92
INSTALL BOLLARDS	CARR								X	X	X	X	X									
FIRST FLOOR STAIR N.W.	CARR								X	X	X	X	X									
N.W. PLAZA STAIR	CARR																					START 11-15-92
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 O.K. FROM METRO AT PARKING GARAGE
SIDEWALK DEMO.	ALLIED	X	X	X	X	X																START ON LLOYD
BRICK AND WINDOW	HARMON	X	X	X	X	X			X	X	X	X	X		X	X	X	X	X			AS WEATHER ALLOWS

Hoffman Construction Job # 9214

Short Interval Schedule

METRO HEADQUARTERS

OCTOBER

NOVEMBER

Page 3

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ACTIVITY DESCRIPTION	Subcont.	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	
FRAME CAULKING	PARDUE																					


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FRAME WALLS	WESTERN	X	X	X	X	X			X	X												FIRST FLOOR
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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
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SET H.M. FRAMES	WESTERN								X	X	X	X			X	X	X	X	X			CRITICAL
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INSTALL LOW WALL TUBE SUPPORTS	WESTERN	X	X	X	X	X			X	X	X	X	X		X	X	X	X	X			START ON 3RD FLOOR
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ELECTRIC ROUGHIN WALLS AND CEILINGS	GRASLE	X	X	X	X	X			X	X	X	X	X									3RD FLOOR
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ELECTRIC ROUGHIN WALLS AND CEILINGS	GRASLE								X	X	X	X	X		X	X	X	X	X			2ND FLOOR THEN FIRST FLOOR
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TI DUCT & INSUL.	MCKINSTRY	X																				3RD FLOOR
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TI DUCT	MCKINSTRY	X	X	X	X	X			X	X	X	X	X									2ND FLOOR
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Attachment,  
Fig. #2

HOFFMAN CONSTRUCTION COMPANY

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

PROJECT PROPOSAL LOG

JOB NO: 9214  
ESTIMATOR: CADE  
DATE: 19-Oct-92

PR#	CR #	DESCRIPTION OF WORK	DATE SUBMT	DATE APPRV	PROPOSAL AMOUNT	C.O.#	ACTION STATUS	APPRVD AMOUNT	C.O.	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 PUT ON HOLD ON 10/13/92	
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 <i>Lighting</i>					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: 19-Oct-92

PR#	CR #	DESCRIPTION OF WORK	DATE SUBMT	DATE APPRV	PROPOSAL AMOUNT	C.O.#	ACTION STATUS	APPRVD AMOUNT	C.O.	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		V		<del>T.I. COST ISSUE</del> Not Approved	
22	92	REVISE IRRIGATION TO DRIP SYSTEM	10/13		\$3,581		O			
23	82	ADD NEW BRICK VENEER SKIN @ PARKING ENTRY	10/14		\$13,827		A		w/ Comment	
24	105T	FABRIC SHADES IN LIEU OF WINDOW BLINDS	10/14		\$35,518		C		Go w/ Basketweave	

HOFFMAN CONSTRUCTION COMPANY

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

PROJECT PROPOSAL LOG

JOB NO: 9214  
 ESTIMATOR: CADE  
 DATE: 19-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		A		
28	109T	PROVIDE 1 HOUR WALL @ EAST SIDE OF ROOM 119	10/15		\$3,370		O		
29	110	PARKING GARAGE RAILING & ORNAMENTAL IRON	10/16						Budget \$ was submitted
30	111T	ADD AUDIO/VISUAL SYSTEM PER ACSI DWGS							
31									
		TOTALS			\$1,087,187			\$475,200	