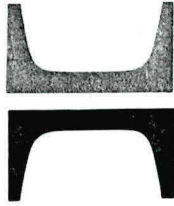


CALL RON IK.
PP&L POLE MOVE
STREET LIGHTS

SECURITY MTC



HOFFMAN CONSTRUCTION COMPANY
OF OREGON

HVAC SHIP OCT. 8

METRO HEADQUARTERS

PROJECT MEETING MINUTES

Our Job No. 9214

Meeting No:	36	
Date:	August 25, 1992	
Location:	HCCO Field Office	
Attendees:	Berit Stevenson	Metro
	Glenn Taylor	Metro
	Pat Merkle	Metro
	Maurice Neyman	Metro
	Sandy Stallcup	Metro
	Paul Thimm	Thompson Vaivoda & Associates
	Ed Carlisle	Glumac (Partial)
	Steve Strauss	Glumac (Partial)
	Cade Lawrence	Hoffman Construction Company
	Don Nail	Hoffman Construction Company
	Bill Stotts	Hoffman Construction Company

36-1-0 ACTION ITEMS

36-1-1 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

36-1-2 Metro T.I. Revisions Review: Metro will review the latest addenda issues and let TVA know which issues they really would

like to see implemented. HCCO will not issue the old ASI to the bidders until Metro clarifies their needs.

Action: Metro
Date: 9/1/92

- 36-1-3 Parking Garage Walls: HCCO requested that Metro review how they desired the parking garage shear walls to be sequenced with the actual car parking. Metro will review the issue with the garage manager and get back with HCCO.

Action: Metro
Date: 9/1/92

HOLES IN WALL FOR SIGHT
CHECK W/KPFF 4' X 4'
DEBIT SEND COPY TO VIRGIL

- 36-1-4 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

MOCKUP

36-2-0 **RESOLVED ITEMS**

- 30-2-4 Basement Lighting: Metro explained they would like to see the "high-pressure sodium" lights utilized at the parking areas in lieu of "metal halide." TVA will issue an ASI to get the light revision in process and will check with Glumac on what options are available for light spacing.

Action: HCCO/Glumac
Date: 8/25/92

See previous meeting minutes for prior status.

As of August 4, 1992: Metro issued HCCO a light array study from Gardco lights and HCCO will have Glumac review it against the present design. Metro also requested Glumac revise the 1st floor parking circuiting to accommodate the added 1st floor tenant work.

As of August 11, 1992: HCCO received a Glumac memo concerning the low footcandle output with the Metro "HPS" fixture and layout. Glumac will return the Metro layout drawings to HCCO and HCCO will have Grasle price. HCCO tabled a Grasle proposal to revise the existing lights to "HPS" lights at no additional cost. Metro will review the proposal.

As of August 18, 1992: Glumac is reviewing the Grasle proposed alternate "HPS" light fixture data. HCCO issued Grasle pricing to Metro on the basement light revision work for their use.

As of August 25, 1992: Metro approved Grasle's pricing and HCCO proceeded with a "HPS" light fixture change order to Grasle. HCCO will cover this additional work in the next change order.

33-2-3 N. Plaza Paver Selection: HCCO requested that TVA expedite their selection of the Plaza area pavers so the order could be placed. TVA confirmed they are looking at samples and hope to have a selection in the next week or so.

Action: TVA
Date: 8/11/92

As of August 11, 1992: HCCO tabled a sample of the Factory Mutual paver. TVA will review other options and get a selection made.

As of August 18, 1992: TVA committed to having a preliminary paver selection by 8/21/92. HCCO emphasized the paver selection is critical to the schedule at this time.

As of August 25, 1992: TVA reviewed and approved the "Dark Ironspot" paver color.

34-2-5 Drywall Reveals: HCCO explained the present T.I. drawings show recessed reveals at many locations. HCCO voiced concern about the existing structure having unlevel floor slabs which will create visual problems with the reveals, relites and door frames installation. All parties agreed to review this issue further once the T.I. buyout was revealed.

Action: All
Date: 8/18/92

As of August 18, 1992: The issue of deleting the miscellaneous T.I. drywall reveals will be discussed in detail at the 8/24/92 T.I. review meeting.

As of August 25, 1992: The drywall reveal issue was reviewed at the 8/24/92 meeting and will be resolved at the 9/1/92 meeting.

- 34-2-8 Future Mechanical Unit Curb: HCCO requested TVA get a design out for installation of the future mechanical unit curbs. TVA will have Glumac review and issue a design on the future curb.

Action: TVA
Date: 8/18/92

As of August 18, 1992: Glumac issued a preliminary buyout for the future rooftop unit and TVA has kpff reviewing the structural implications. TVA reported a description is coming to HCCO from which HCCO can budget price. Metro requested Glumac issue a narrative which describes the positive and negative aspects of installing the mechanical curb now instead of at the time when it is needed.

As of August 25, 1992: Metro explained the future mechanical unit curb issue was reviewed at the last Citizen's Review Board meeting and Metro had decided not to proceed with any prep work for the future unit.

- 35-2-1 Elevator Pressurization Redesign: HCCO authorized Glumac to proceed with redesign of the elevator pressurization system and they will work any Glumac fee proposals with Steve Strauss. The new design will eliminate another slab cut.

Action: Glumac
Date: 8/21/92

As of August 25, 1992: Glumac revised the design and issued to HCCO for their use. HCCO and Glumac will resolve the fee issue later.

- 35-2-2 Annex Parapet Re-Use: HCCO questioned whether the existing annex roof parapet could remain as built. If not, HCCO requested a new detail.

Action: HCCO
Date: 8/21/92

As of August 25, 1992: HCCO confirmed that only the south parapet of the Annex would need to be removed.

- 36-3-0 **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 August 11, 1992: HCCO tabled a copy of a submittal by Grasle Electric for a "HPS" fixture which they could install at no additional cost. Metro and TVA will review the submittal to determine if the proposed fixture is acceptable. Glumac will get the Metro layout drawings back to HCCO so they can have Grasle price the Gardco fixture.

As of August 18, 1992: HCCO reported Grasle had priced using Gardco fixtures at the lower level parking area and the premium cost came in at just less than \$2,000. HCCO will forward a copy of Grasle pricing to Metro for review. Metro requested Glumac revise the energy study to reflect using "HPS" fixtures at the parking garage.

As of August 25, 1992: All parties discussed how best to complete the garage lighting switchover since a voltage change would be needed and vehicles would still be parking. Glumac, HCCO and Grasle will review options for sequencing the work. Metro and HCCO will meet with the parking garage manager (Virgil) to review construction work sequencing.

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.

As of August 11, 1992: Metro received ALTA's meeting minutes and will forward to HCCO for their review and information. TVA and HCCO will push on Glumac to give ALTA data on the Council Chambers rooftop unit so ALTA can complete their acoustical review.

As of August 18, 1992: Glumac issued the Council Chamber mechanical unit sound data to ALTA for their review. Metro reported they received the ALTA preliminary report for audio/visual and acoustical needs at the Council Chamber's area. Metro will distribute the report to all parties for comments. Glumac will confirm the present Council Chambers mechanical design would give Metro an NC-30 in the room.

As of August 25, 1992: All parties discussed the issues of concern and the following design concepts were discussed:

- HCCO
- 1) Add vibration isolation springs at compressors (HCCO)
 - 2) Extend storage room walls and construct with sound rating construction (Metro)

CPS/TA

- 3) Add sound traps at supply and return ducts (???) HCCO/METRO
- 4) Delete light fixtures which have vented openings (Metro)
- 5) Reduce the rooftop unit fan speed (HCCO)
- 6) Line the main supply duct with insulation (Metro)
- 7) Add shear isolators on first feet of duct
- 8) Metro requested Cliff Sroka be brought in to review the sound issues

22-3-3

1% Art Selection: Metro explained they had received the art submissions and the committee is in the process of making a selection. Metro explained one of the favored art options would be special brick pavers at the Plaza level. TVA and HCCO voiced concern about how the art brick work would interface with the base brick at the Plaza. Metro and TVA will continue to expedite the artwork selection.

Action: Metro/TVA
Date: 5/26/92

See previous meeting minutes for prior status.

As of August 11, 1992: Metro explained they will meet with the Art Committee and the Artists tomorrow to finalize the layout. Metro further explained the Artist's plan to utilize foam blockouts for the pavers due to the tight schedule. HCCO requested Metro check with the Artist to determine if quality will be sacrificed due to the foam-type forms. HCCO could allow more time to complete the forms if quality is at stake. Metro will check with the Artist on this issue and will get HCCO a copy of the final approved layout.

As of August 18, 1992: Metro reported the Art Committee had approved the latest Plaza art layout and the artist is presently working on shop drawings from which the pavers can be installed accurately. Metro reported they had given the Artists until + 10/15/92 to complete since the HCCO work schedule had lost several days.

As of August 25, 1992: Same as above. Metro also informed all parties there would be a meeting with the mirror art person following this meeting.

29-3-1 Police Space Planning: Metro explained they are presently working on having a local police department lease a portion of the 5,000 s.f. of tenant space at the 1st floor level. Metro explained they would like TVA and HCCO to do the work if the lease proposal works out.

Action: Metro
Date: 7/14/92

See previous meeting minutes for prior status.

As of August 11, 1992: Same as above.

As of August 18, 1992: Metro tabled a preliminary space plan for the Police Station from which HCCO can budget price. TVA will also get their fee proposal over to HCCO for submittal to Metro.

As of August 25, 1992: HCCO received TVA's pricing and forwarded to Metro for review.

TVA TO COMPLETE

32-3-2 Spire Lighting: TVA explained they are still looking at options to light the tower spires and delete the large spot lights. TVA will continue to push on Glumac for lighting options.

Action: TVA
Date: 8/4/92

As of August 4, 1992: TVA reported they are waiting for additional light fixture data from Glumac prior to revising the spire lighting. TVA hopes to have spire lighting redesign complete by next week.

As of August 11, 1992: Same as above.

As of August 18, 1992: TVA explained they are working with Glumac to get the revised fixture costs and TVA committed to issuing a preliminary design by 8/31/92.

As of August 25, 1992: Same as above.

GLUMAC S/H TODAY.

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

As of August 11, 1992: Same as above.

As of August 18, 1992: All parties reviewed the Daycare kitchen present design and confirmed the range hood is vented to the outside. Metro questioned whether the specified Daycare equipment could be upgraded to a more commercial grade. TVA will check with the Health Department to determine if commercial equipment could be utilized. TVA will send Glumac a copy of the range data.

As of August 25, 1992: Metro reviewed the issues with the Health Department and found a produce sink is now being required. TVA and Glumac will get the produce sink added if necessary and labeled appropriately. Metro is sending the latest drawings to the Health Department for review.

33-3-2 Site Sidewalk Bump: Metro voiced concern that kpff had allowed the City to add a road modification at the corner of 7th and Lloyd which would increase the site costs. Metro explained they had never been informed that the City was requiring the modification. TVA will check with the City to determine exactly why the road revision was occurring.

Action: TVA
Date: 8/7/92

As of August 11, 1992: Same as above.

As of August 18, 1992: All parties discussed the 7th/Lloyd concrete sidewalk and it was decided Metro would contact the City to determine why the intersection had to be modified.

As of August 25, 1992: Metro discussed the issue with the City and found Ron Kleinschmidt was requiring the revision. Metro explained they feel the additional concrete bump work is an item HCCO should cover in lieu of the street signal. HCCO will discuss the issue with the City. HCCO did not agree with Metro about the signal money covering the additional sitework.

HCCO TO CALL RON K.

34-3-2 T.I. Bid Analysis: HCCO explained they did receive the T.I. bids on 8/6/92 and are in the process of analyzing the bids to come up with the correct low bidders. HCCO did report the initial bid review indicated the T.I. work is substantially over budget. HCCO will attempt to have bid and budget information ready for review by next week.

Action: HCCO
Date: 8/18/92

As of August 18, 1992: HCCO explained they are still in the process of analyzing and separating the bids. Metro requested the main T.I. review meeting be moved to 8/24/92 at 1:30 if possible. All parties agreed to the new date.

As of August 25, 1992: All parties met on 8/24/92 at 1:30 and reviewed the T.I. bid analysis. The overall T.I. bids were over and Metro requested a goal of cutting \$385,000 from the design be set. HCCO will obtain further breakdowns for a design vs. cost meeting on 9/1/92 at approximately 9:30.

GUARDRAIL DESIGN

34-3-7 Reception Desk Design: HCCO questioned the status of the reception desk design by TVA. TVA explained they are working on it this week and hope to have it issued by next week. HCCO informed TVA that the reception desk design is showing negative on the schedule.

Action: TVA
Date: 8/18/92

As of August 18, 1992: TVA explained they were working on the reception desk and council chambers casework but would not have it available until 8/21/92. HCCO emphasized it is a critical schedule issue so the design needed to be issued by 8/21/92.

As of August 25, 1992: TVA (Paul) reported Bob was working on it but was not complete at this point. HCCO voiced frustration and informed TVA they were going to put a hold on TVA's next check until the reception and council chamber designs were submitted.

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

As of August 25, 1992: HCCO tabled samples of a window mesh material for use in lieu of window blinds. HCCO also had a couple window blinds mounted for Metro review. Metro will review and let HCCO know which type they would like priced.

HARMON WINDOW ALIGNMENT OF HORIZONTAL
MULLIONS

36-4-0 QUALITY/SAFETY ITEMS

36-4-1 Quality Circle Meetings: No quality issues were raised at this time.

36-4-2 Safety Manhours: HCCO reported they had presently worked approximately 42,000 manhours without a lost time accident as of 7/31/92.

36-5-0 INFORMATION ITEMS

36-5-1 Next Meeting: The next Project Review meeting is scheduled for September 1, 1992 at 8:00 a.m. at the jobsite office.

36-5-2 Schedule: See attachment, Fig. #1 for a copy of the HCCO three-week schedule.

Submitted by:

Cade Lawrence

Cade Lawrence
Assistant Operations Manager

CL:mcc

Attachments

cc: Attendees
Wayne Drinkward, HCCO
Bob Thompson, TVA

To → CADE

Man Construction Job # 9214
 Port Interval Schedule

SEPTEMBER

Page 1

METRO HEADQUARTERS AUGUST

ACTIVITY DESCRIPTION	Subcont.	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12
FRP ROOF TERRACE	HSI	X	X	X	X	X			X	X	X	X	X								
MISC. DEMOLITION	HSI	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X	FOR NEW STEEL BEAMS
DEMO OLD FRT ELEV	HSI								X	X	X	X	X			X	X				
STRIP CURBS	HSI	X																			ROOF TOP AC UNITS
PREP FOR GARAGE SHEAR WALLS					X	X	X		X	X	X	X	X			X	X	X	X	X	
FRP RETAINING WALL AT TRANSFORMER PAD	X	X	X	X	X	X			X	X											
FRP STEPS AT LOADING DOCK AND STAIR #4	HSI				X	X			X	X	X	X	X			X	X	X	X	X	NEED EXCAVATION SUB
INSTALL FREIGHT ELEVATOR SOUND		X	X	X	X	X															NEED STATE CERTIFICATE
DEMO EXISTING FREIGHT ELEVATOR	SOUND	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X	
MODIFY SPRINKLER SYSTEM	BASIC FIRE	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X	INTERMITTENT
CLEAN AND SEAL BRICK ON TOWER	DAVIDSON	X	X	X	X	X															
INSTALL WEST ELEVATION BRICK THEN NORTH ELEVATION	DAVIDSON	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X	INTERMITTENT
PAB AND INSTALL DEAD WIND LOAD SUPPORTS	HARMON	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X	SOUTH THEN WEST ELEVATION
INSTALL FRAMES AND GLAZE WINDOWS EAST ELEVATION	HARMON	X	X	X	X	X			X	X	X	X	X								
INSTALL SECTION OF CURTAINWALL @ S.E. CORNER	HARMON																				TOWER X X
FIREPROOFING	PERFORMANCE								X	X	X	X	X			X	X	X	X	X	INTERMITTENT
PARAPET FRT PLYWOOD	PERFORMANCE	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X	FOLLOWING STRUCT STEEL
ROTUNDA DRYVIT	PERFORMANCE	X	X	X	X	X															
SCREENWALL AND DRYVIT	PERFORMANCE								X	X	X	X	X			X	X	X	X	X	
ELECTRICAL ROUGHIN	JWP	X	X	X	X	X			X	X	X	X	X			X	X	X	X	X	2ND FLOOR AND BASEMENT

-47 RECEPTION DESK
-16 TI BID \$ AWARD
-16 STAIRWORK

Hoffman Construction Job # 9214

Short Interval Schedule

SEPTEMBER

Page 1

METRO HEADQUARTERS

AUGUST

ACTIVITY DESCRIPTION Subcont. 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

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FRP ROOF TERRACE HSI X X X X

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

DEMO OLD FRT ELEV HSI H X X X X X X X X X

PREP FOR GARAGE WALLS HSI H X X X X X X X X X BUILD ENCLOSURE

FRP RETAINING WALL AT TRANSFORMER PAD X X X X X X H X

FRP STEPS AT LOADING DOCK AND STAIR #4 HSI X X H X X X X X X X X X NEED EXCAVATION SUB

INSTALL ELEVATOR 4 AND 5 SOUND X X X X X H X X X X X X X X X NEED STATE CERTIFICATE

DEMO EXISTING FREIGHT ELEVATOR SOUND X X X X X H X X X X X X X X X

MODIFY SPRINKLER SYSTEM BASIC FIRE X X X X X H X X X X X X X X X INTERMITTENT

CLEAN AND SEAL BRICK DAVIDSON X X

INSTALL WEST ELEVATION BRICK THEN NORTH ELEVATION DAVIDSON X X X X X X X FOLLOWING STRUCUTRAL STEEL

FAB AND INSTALL DEAD WIND LOAD SUPPORTS HARMON X X X X X H X X X X X X X X X WEST ELEVATION

INSTALL FRAMES AND GLAZE WINDOWS EAST ELEVATION HARMON X X X X X

INSTALL SOUTH ELEVATION CURTAINWALL HARMON H X X X X X X X X X

FIREPROOFING PERFORMANCE INTERMITTENT

SCREENWALL AND DRYVIT PERFORMANCE X X

ELECTRICAL ROUGHIN JWP GRASLE X X X X X H X X X X X X X X X MISC

Hoffman Construction Job # 9214

Short Interval Schedule

SEPTEMBER

Page 2

METRO HEADQUARTERS

AUGUST

ACTIVITY DESCRIPTION	Subcont.	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PLUMBING ROUGHIN	PEN NOR	X	X	X	X	X			H	X	X	X	X			X	X	X	X	X

ROOF DRAINS & BATHROOMS

INSTALL GAS PIPING	PEN NOR	X	X	X	X	X														
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INSTALL DUCT ✓ 3rd FLR	MCKINSTRY	X	X	X	X	X			H	X	X	X	X			X	X	X	X	X
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INSTALL STEEL FOR ROTUNDA AND DECKING	CARR								H	X	X									
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WAITING ON DECKING

INSTALL STAIR #3 STEEL	CARR								H	X	X	X	X			X	X	X	X	X
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SCREENWALL TODAY
TRELLIS THURS

INSTALL STRUCT STEEL AT ELEV. SHAFTS 4 AND 5	CARR	X	X																	
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INSTALL STRUCTURAL SKIN SUPPORTS/AWNINGS AT WEST SIDE	CARR	X	X	X	X	X			H	X	X	X	X							
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INCLUDES SLAB EXTENSION BRACKETS

INSTALL TRELLIS ON MAIN ROOF	CARR																			
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~~X~~ X X X X

ERECT STRUCTURAL STEEL AT MAIN ENTRY	CARR								H	X	X	X	X			X	X	X	X	
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E.I.F.S. SCREEN WALLS	CARR			X	X	X	X		H	X	X	X	X							
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INSTALL BEAMS AT ROOF AND FLOOR SLAB OPENINGS	CARR	X	X	X	X	X			H	X	X	X	X							
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INSTALL INSULATION AND ROOFING	BUCKAROO								H	X	X	X	X			X	X	X	X	X
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CRITICAL

INSTALL PLATES AT ROOF JOINTS	CARR								H	X	X	X	X							
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SITE CONCRETE GRADING AND PAVING	??	X	X	X					H	X	X	X	X			X	X	X	X	X
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