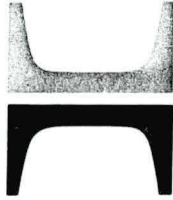


~~BASEMENT STORAGE~~  
~~@ SE STAIRWELL~~  
~~ADD DOOR?~~  
FIRE ISSUE.



**HOFFMAN CONSTRUCTION COMPANY  
OF OREGON**

**METRO HEADQUARTERS  
Our Job No. 9214**

**PROJECT MEETING MINUTES**

Meeting No:	47	
Date:	November 10, 1992	
Location:	HCCO Field Office	
Attendees:	Berit Stevenson	Metro
	Glenn Taylor	Metro
	Maurice Neyma	Metro
	Paul Thimm	Thompson Vaivoda & Associates
	Bob Thompson	Thompson Vaivoda & Associates
	Cade Lawrence	Hoffman Construction Company
	Bill Stotts	Hoffman Construction Company
	Don Nail	Hoffman Construction Company
	Ed Carlisle	Glumac
	Steve Strauss	Glumac
	Dave Squire	ACSI

**ACTION SUMMARY**

HCCO

- 2-3-5 Meet with Glumac and Metro on 11/12/92 at 3:00 p.m. on energy study.
- 42-3-5 Set up new N. Plaza completion date once new design is revised.
- 43-3-2 Get value engineering pricing from John Earp on council desk.
- 45-3-4 Review column finishes and patching scope.

TVA

- 43-3-1 Select a carpet by 5:00 p.m. on 11/10/92.
- 43-3-4 Have KPFF finalize the U.S. West wall footings. Issue ASI by weekend.
- 45-3-4 Review column finishes and patching scope.
- 46-3-1 Get with city on using carpet in stair #4.
- 47-1-1 Clarify the plastic laminate finishes.
- 47-1-2 Clarify the Council Chambers perforated screen.
- 47-1-6 Select a light fixture for Tower tank.
- 47-1-7 Have Mayer Reed clarify Grimmes vs. fabric.

ACTION SUMMARY (Continued)

METRO

- 2-3-5 Meet with Glumac and HCCO on 11/12/92, at 3:00 p.m. on energy study.
- 43-3-2 Review and decide on value engineering pricing for council desk.
- 45-3-4 Review column finishes and patching scope.
- 47-1-4 Review and VE fabric panel scope.
- 45-3-5 Issue computer room equipment layout drawing by 11/13/92.

GLUMAC

- 2-3-5 Meet with HCCO and Metro on 11/12/92, at 3:00 p.m. on energy study.

47-1-0 ACTION ITEMS

- ✓ 47-1-1 PLASTIC LAMINATE: HCCO explained several plastic laminate colors were selected by TVA which could drive the casework costs by ± \$10,000.00. Metro requested TVA revise the plastic laminate to a material within the budget. TVA will review the issue today.

Action: TVA  
Date: 11/10/92

ASI COMING TODAY ON  
SOLID STANDARD COLORS

- ✓ 47-1-2 PERFORATED SCREEN: HCCO questioned when TVA would clarify the type of perforated metal to be used at the Council Chambers. TVA will get into the issue today and expedite a response.

Action: TVA  
Date: 11/10/92

SAMPLE TODAY

- ✓ 47-1-3 TELEPHONE PENETRATIONS: HCCO requested ACSI review how many telephone/data penetrations are really required since they are causing the addition of structural support. ACSI explained they could not determine if some penetrations could be deleted until Cochran completes their wiring calculations. HCCO will

R

expedite the Cochran calculations.

Action: HCCO  
Date: 11/13/92

r

✓ 47-1-4

TACKABLE SURFACES: Metro reported that Homosote did not need to be used on the job. HCCO tabled pricing from Desch and Western Partitions in regards to the fabric panels and reviewed them with Metro. Metro will review the added work and decide if there are areas which can be cut.

Action: Metro  
Date: 11/16/92

DELETE  
CUT RM 361

DAYCARE

REVIEW COUNCIL CHAMBERS DOORS w/DESCH FOR  
COST CUTTING.

✓ 47-1-5

CROSS BRACING MOCK-UP: TVA requested HCCO have one (1) mock-up completed on the window wall cross bracing prior to having all the cross-bracing installed. TVA explained they are thinking of deleting the cross-bracing.

Action: HCCO  
Date: 11/17/92

BY WED.

✓ 47-1-6

TANK LIGHT FIXTURE: Metro questioned the status of TVA selecting a light fixture for the Tower tank. TVA will get started on selecting a fixture for the tank.

Action: TVA  
Date: 11/17/92

47-1-7 GRIMMES SOIL TEST: HCCO questioned the status of approval on using Grimmes soil and the revised drainage piping. TVA will get with Mayer Reed on their approval of the Grimmes soil vs. the filter fabric.

Action: TVA  
Date: 11/17/92

MAYER REED ISSUED NEW FABRIC

47-2-0 RESOLVED ITEMS

40-2-1 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 20, 1992: Glumac reported they would have the A/V room design issued to TVA, ACSI, and HCCO by this afternoon.

As of October 27, 1992: Glumac will issue the design drawings to TVA by 10/28/92.

As of November 3, 1992: TVA received the design information from Glumac and will get an ASI issued yet today. TVA will be sure a copy is sent to ACSI.

As of November 10, 1992: TVA issued ASI 68 to clarify the A/V room final design.

41-2-4 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 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.

As of October 27, 1992: Same as above.

As of November 3, 1992: TVA stated they would try to get the ADA review completed by next week.

As of November 10, 1992: TVA tabled a fee proposal and "ADA" report for the Parking Garage. HCCO will forward the report to Metro for their review.

- 44-2-1 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

As of October 27, 1992: Same as above.

As of November 3, 1992: TVA revised the issue date to 11/5/92.

As of November 10, 1992: TVA issued ASI 55 for the Parking Garage cable guardrails, painting and fence design. HCCO will get it issued for final pricing.

- 44-2-2 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

As of October 27, 1992: HCCO received the TVA drawings on slate expansion and submitted a budget price to Metro. Metro will make a decision by 10/30/92, if they plan to expand the 2nd floor slate.

As of November 3, 1992: Metro decided to hold on a decision for the slate until 11/10/92 when the carpet sample and Council desk had been resolved.

As of November 10, 1992: Metro decided to proceed with the extended slate scope at the 2nd floor spine. HCCO will get the final pricing from Performance on the additional slate. Metro will issue an RFP.

- 45-2-2 LIGHTING REVIEW MEETING: HCCO questioned whether the new lighting drawings totally overruled the old lighting drawings in regard to light switches. Glumac (Ed) will clarify the issue with Darryl Droba (Glumac). All parties agreed a meeting between HCCO, Glumac, and Grasley would tentatively be held on 10/28/92, at 8:00 a.m. to review conflicts.

Action: HCCO/TVA/Glumac  
Date: 10/28/92

As of November 3, 1992: HCCO reported the meeting was not held due to Glumac (Darryl Droba) not being available. HCCO, Glumac, and Grasle will get together on 11/4/92 if at all possible.

As of November 10, 1992: HCCO reported a meeting was held with Glumac and Grasle last week, and the electrical questions were clarified. TVA issued an ASI to document the revisions.

45-2-3 COUNCIL LIGHTING CONTROLS: All parties discussed the status of the Council Chambers' lighting controls and Metro stated they would like to pursue the five (5) lighting level options. Metro will issue an RFP to HCCO directing them to proceed with the special lighting controls.

Action: Metro  
Date: 10/30/92

As of November 3, 1992: Glumac issued a light control package to TVA for distribution. TVA will issue the Council Chambers light control package in an ASI by 11/4/92.

As of November 10, 1992: TVA issued an ASI on the Council Lighting controls and HCCO is out for pricing.

45-2-6 LOADING DOCK BRICK DESIGN: HCCO explained they had been given approval by Metro to refinish the loading dock elevation with brick. HCCO requested TVA review the field conditions and help finalize details on how the brick should be installed.

Action: TVA  
Date: 10/30/92

As of November 3, 1992: TVA has reviewed and hope to issue an ASI by 11/4/92.

As of November 10, 1992: TVA issued ASI 41R to clarify anchorage of the brick.

46-2-2 DAYCARE O/H DOORS: TVA explained they strongly recommend tempered glass at the Daycare O/H doors and issued a letter to the City (Jerry Englehart) requesting the City issue a formal letter saying tempered glass is not approved. HCCO will wait for the City letter before deciding whether to proceed with a decision or whether to pay extra to Crawford for the tempered glass.

Action: HCCO/TVA  
Date: 11/6/92

As of November 10, 1992: Crawford is going to furnish tempered glass at the Daycare O/H doors since the city reversed their approval on using non-tempered glass at the Daycare.

46-2-3 COUNCIL SILL ISSUE: Metro explained one of the Council Board members was requesting the sill be deleted at the offices just south of the Council Chambers. HCCO explained the window system would need to be removed to allow demolition of the concrete walls and then additional structural framing would need to be added. HCCO will expedite submittal of the work involved with associated costs so Metro can review them with the Council member.

Action: HCCO  
Date: 11/5/92

As of November 10, 1992: Metro received HCCO's budget pricing and reported the window depth would remain as presently designed.

46-2-4 RECYCLED PAINT MOCK-UP: HCCO explained the painter had done (2) mock-ups of the paint for Metro and TVA review/approval. One mock-up is 100% recycle primer with 100% recycle finish coat while the other mock-up is 100% recycle primer with 100% new paint finish coat. TVA and Metro will review following the meeting. Metro, also, requested TVA respond to the RFP which questioned why recycled paints could not be used as the finish coat of drywall ceilings.

Action: Metro/TVA  
Date: 11/4/92

As of November 10, 1992: Metro and TVA met on 11/5/92, and agreed upon miscellaneous rooms to actually receive recycled paint. TVA issued ASI 67 to document the decisions.

47-3-0 **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 27, 1992: HCCO issued additional information to Metro on Grasle's bid and Metro is reviewing. Metro requested HCCO determine whether Cochran had the temporary electrical work covered. Glumac will verify that they have indicated all the occupancy sensors. HCCO, Metro, and Glumac, tentatively, agreed to meet next Tuesday on the overall energy study and try to resolve this issue.

As of November 3, 1992: HCCO explained they did not have the occupancy sensor pricing from Grasle so the meeting was rescheduled to occur on 11/9/92 at 9:00 a.m. at Glumac. HCCO

will expedite the pricing from Grasle. Metro approved having Cochran install new lights at the parking garage.

As of November 10, 1992: The energy study meeting was rescheduled to 11/12/92, at 3:00 p.m. at Glumac since Glumac could not make the 11/10/92, meeting. HCCO is continuing to expedite the pricing from Grasle.

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 27, 1992: HCCO and Metro met on 10/26/92, to review schedule concerns. It was decided the N. Plaza retail areas should be pulled from the liquidated damages and critical path. The N. Plaza activity completion date would be scheduled once the final design is achieved. HCCO will have a preliminary schedule update run with the N. Plaza logic revision.

As of November 3, 1992: HCCO had the N. Plaza retail activities cut loose from the 3/11/93 completion date and had the schedule updated. The latest update indicated the reception/council desk design was at a negative (6) day float and the spine activities were running negative. HCCO sent a copy of the schedule update to Metro for their review. HCCO will set the N. Plaza completion date once the design is finalized.

As of November 10, 1992: Same as above. HCCO explained they expect VE pricing from John Earp for reducing the Reception and Council desk costs. Upon receiving the pricing, HCCO will forward to Metro for review. TVA explained they met with the city (Edgar Waehrer) and there was very little acceptance by the city for redesign of the N. Plaza area.



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 "PrinceStreet" 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

As of October 27, 1992: HCCO expects the "Shaw" carpet sample by 10/28/92, for TVA to review.

As of November 3, 1992: HCCO received a Shaw carpet sample but it was the same cost as the "Prince Street" carpet. HCCO expects the "No Cost" Shaw sample on 11/9/92. Metro committed to making a decision by 11/10/92, even if the new sample does not arrive.

As of November 10, 1992: HCCO tabled miscellaneous carpet samples of PrinceStreet and Shaw materials with the pricing noted. All parties discussed and TVA committed to recommending a carpet by 5:00 p.m. tonight.

USE SOLUTION DYED. SHAW

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 27, 1992: Metro and TVA agreed the revised wall layout at the Council Chambers could stay as drawn regardless of whether the Council desk was raised or not. TVA agreed to shoot for issuing the final Council Chambers' wall layout drawings by 11/3/92, to prevent further schedule delays and Metro could verify whether they want the desk raised or at the main floor level. HCCO submitted pricing to Metro showing the raised desk and bathroom costs at approximately \$11,000.00 each. Metro will expedite a decision from the Council members.

As of November 3, 1992: TVA reported they were going to meet

with John Earp on 11/5/92, at 8:30 a.m. at TVA's office. HCCO and Metro will also attend the meeting. HCCO again explained the raised platform (+ \$11,000) would need to be covered in the \$42,000 allowance so the desk cost would need to be around \$31,000. Metro reported the latest design was approved by Council and they would issue an RFP to document approval with addition of a small typing drawer. TVA will issue the Council framing drawing by 11/6/92.

As of November 10, 1992: HCCO explained they expect VE pricing from John Earp today from which TVA and Metro can finalize the design. HCCO, TVA, and Metro did meet with John Earp on 11/5/92, to create the VE list.

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 27, 1992: TVA issued a preliminary room layout drawing to U.S. West (Scott Hill) for review and comment. Also, Metro received a drawing and will respond with their comments by 10/30/92.

As of November 3, 1992: Same as above.

As of November 10, 1992: TVA reported they did receive comments from Scott Hill on the U.S. West room and now have KPFF finalizing the structural footing design for the walls. TVA committed to having an ASI issued by the end of the week for the U.S. West room.

ASI 61

45-3-4 T.I. COLUMN FINISH: HCCO issued a copy of pricing on the cost to plaster finish all the T.I. area columns. The cost came in at ± \$33,000.00. Metro will review the jobsite and decide on which columns they feel must be refinished and HCCO will pursue a more competitive price.

Action: Metro  
Date: 10/29/92

As of November 3, 1992: Same as above. Metro and TVA committed to clarify the scope of column refinish by late 11/4/92. HCCO will have Performance and W. Part. price the new scope of work once TVA and Metro clarify which columns need patching.

As of November 10, 1992: Same as above.

45-3-5

METRO COMPUTER LAYOUT: HCCO questioned where Metro wanted equipment located in the computer room so the drain could be located. Metro will get an equipment layout drawing to HCCO.

Action: Metro  
Date: 10/30/92

As of November 3, 1992: Same as above. Metro committed to clarifying this issue by today.

As of November 10, 1992: Same as above.

46-3-1

STAIRWAY CARPET: TVA explained they presently have carpet shown at stair #3, rubber tread at stair #4, and carpet in other stairways. TVA will review the carpet scope and come up with a proposal on where to delete carpet so the savings can be used to purchase the "Prince Street" carpet, if necessary. TVA will have a proposal by the 11/5/92 morning meeting.

Action: TVA  
Date: 11/5/92

As of November 10, 1992: TVA explained they received the ± \$5,000.00 credit number from HCCO for deletion of carpet at all areas of stair #3. TVA will get with the city on being able to install carpet at stair #4 in lieu of rubber tread. TVA will also come up with a recommendation for the stair #3 finishes.

DELETE RUBBER TREAD ON STAIR  
EXPOSED CONCRETE O.K.

47-4-0 **QUALITY/SAFETY ITEMS**

47-4-1 **SAFETY MANHOURS:** HCCO reported they had presently worked approximately 80,000 manhours without a lost time accident as of 11/10/92.

47-4-2 **QUALITY ISSUES:** HCCO reported Davidson will clean the S.W. corner brick stains when they do the final brick sealer work. TVA reported they did confirm the parapet slope was adequate.

47-5-0 **INFORMATION ITEMS**

47-5-1 **NEXT MEETING:** The next Project Review meeting is scheduled for November 17, 1992, at 8:00 a.m. at the jobsite office.

47-5-2 **SCHEDULE:** See attachment, Fig. #1 for a copy of the HCCO three-week schedule.

Submitted by:

*Cade Lawrence*

Cade Lawrence  
Assistant Operations Manager

CL:gac

Attachments

cc: Attendees  
Wayne Drinkward, HCCO

PAUL ASI 42  
ASI 72 COUNCIL STAFF WALL  
— ACCESS DOOR IN SCREEN WALL FOR RAC NORTH

ACTIVITY DESCRIPTION	Subcont.	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	
MISC. DEMOLITION	HSI	X	X	X	X	X		X	X	X	X	X			X	X	X		H	H	FOR NEW STEEL BEAMS
DEMO OLD FRT ELEV WALLS	HSI	X	X	X	X	X		X	X	X	X	X							H	H	AS NEW BEAMS ARE INSTALLED
FRP PEN NOR CONCRETE	HSI	X	X	X	X	X		X	X	X	X	X							H	H	
PREP AND FORM GARAGE WALLS	HSI	X	X	X	X	X													H	H	
FRP CONCRETE BENCHES	HSI		X	X	X	X		X	X	X	X	X			X	X	X		H	H	AND STAIR AT DAYCARE
POUR INFILLS	HSI	X	X	X	X	X		X	X	X	X	X			X	X	X		H	H	ON METAL DECKING
POUR ENTRY COLUMNS	HSI							X	X										H	H	
POUR STAIR PANS	HSI							X	X	X	X	X			X	X	X		H	H	
SHOTCRETE GARAGE WALLS	J. WEST						X												H	H	
INSTALL ELEVATOR #3	SOUND														XXX				H	H	
MODIFY SPRINKLER SYSTEM	BASIC FIRE							X	X	X	X	X			X	X	X		H	H	INTERMITTENT
CMU AT PLANTERS	DAVIDSONS							X	X	X	X	X			X	X	X		H	H	
INSTALL WEST ELEVATION BRICK	DAVIDSON				X			X	X	X	X	X			X	X	X		H	H	& CMU AT N.W. MACH ROOM
INSTALL NORTH ELEVATION BRICK	DAVIDSON	X	X	X	X	X		X	X	X	X	X			X	X	X		H	H	INCL WALL AT IRVING SIDE
INSTALL CMU AT LOADING DOCK	DAVIDSONS		X	X	X	X		X	X	X	X	X							H	H	
COPE FLASHING	MCBRIDE	X	X	X	X	X		X	X	X	X	X			X	X	X		H	H	START EAST ELEVATION
INSTALL WINDOWS AT TOWER	HARMON	X	X	X	X	X													H	H	AND CAULKING
INSTALL WEST ELEVATION CURTAINWALL	HARMON	X																	H	H	
NORTH ELEVATION CURTAINWALL	HARMON							X	X	X									H	H	
FIREPROOFING	PERFORMANCE	X	X	X	X	X		X	X	X	X	X			X	X	X		H	H	INTERMITTENT

Hoffman Construction Job # 9214

Short Interval Schedule

METRO HEADQUARTERS

NOVEMBER

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ACTIVITY DESCRIPTION	Subcent.	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27		
INSULATION AND DRYWALL AND TAPE CORE AND SHELL	PERFORMANCE	X	X	X	X	X		X	X	X	X	X		X	X	X				H	H	START 3RD FLOOR 2ND FLOOR AND 1ST FLOOR
SCREENWALL AND DRYVIT	PERFORMANCE	X	X	X	X	X		X	X	X	X	X		X	X	X				H	H	WEATHER PERMITTING
STAIR #3 FRAME AND DRYVIT	PERFORMANCE	X	X	X	X	X														H	H	WEATHER PERMITTING
SITE ELECTRICAL	GRASLE	X	X	X	X	X		X	X											H	H	LIGHT POLE BASES
ELECTRICAL ROUGHIN	JWP GRASLE	X	X	X	X	X		X	X	X	X	X		X	X	X				H	H	MAIN FEEDS, ELECT. ROOMS, BRANCH CONDUIT AND WIRIN
PLUMBING ROUGHIN AND TESTING	PEN NOR	X	X	X	X	X		X	X	X	X	X		X	X	X				H	H	FIRST FLOOR
INSTALL AND INSULATE DUCT WORKMCKINSTRY		X	X	X	X	X		X	X	X	X	X		X	X	X				H	H	2ND AND FIRST FLOORS
STARTUP HVAC UNIT #2	MCKINSTRY		X																	H	H	
NORTH PLAZA LEVEL 2	CARR															X				H	H	
SEISMIC JOINT 1ST FLOOR	CARR	X	X	X	X	X														H	H	
TOWER SCREEN WALL	CARR	X	X	X																H	H	
FOLDING PARTITION SUPPORT	CARR				X	X														H	H	
DAYCARE ROOF BEAMS	CARR	X																		H	H	
INSTALL BOLLARDS	CARR							X	X	X	X	X								H	H	
ELEVATOR SHAFT BEAMS AND DECK	CARR	X	X	X	X	X		X	X	X	X	X								H	H	
CORE DRILL HOLE STEEL AT PHONE AND ELECT ROOMS	CARR							X	X	X	X	X								H	H	INSTALL BEFORE CEILING GRID ON 3RD
INSTALL INSULATION AND ROOFING	BUCKAROO	X	X	X	X	X														H	H	DAYCARE WEATHER PERMITTING
SITE CONCRETE GRADING AND PAVING	GOLDIE GENTLE	X	X	X	X	X		X	X	X	X	X		X	X	X				H	H	

VAN LOM



Hoffman Construction Job # 9214

Short Interval Schedule

METRO HEADQUARTERS

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.....  
ACTIVITY DESCRIPTION            Subcont.        9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27  
.....

COMMUNICATION ROUGHIN	BROADWAY	X	X	X	X	X		X	X	X										H	H	
																				H	H	2ND FLOOR
DAYCARE PLUMBING AND TESTING	PEN NOR													X	X	X				H	H	
																				H	H	
DAYCARE DEMO AND SAWCUTTING	HSI							X	X	X	X	X		X	X	X				H	H	
																				H	H	
CEILING GRID	PCI							X	X	X	X	X		X	X	X				H	H	3RD FLOOR
																				H	H	
SPINE DIFFUSER ROUGHIN	PCI/MCKIN	X	X	X	X	X		X	X	X	X	X		X	X	X				H	H	
																				H	H	
INSTALL SPINE GUARDRAILS	WELDCRAFT																		X	H	H	