Please Read Application And Notes, If Any, Attached PERMIT ISSUED This is to certify thatYOUNG MENS CHRISTIAL ASSOC OF PORTLAND/WR HT Permit Number: 060743 MAY 2 5 2006 This is to certify thatYOUNG MENS CHRISTIAL ASSOC OF PORTLAND/WR HT CITY OF PORTLAND As permission toRoof replacement on existing of the provisions of the Statutes of I ine and of the free ances of the City of Portland regulating the construction, maintenance and u this department. M or angle of the free ances of the City of Portland regulating of the provisions of the Statutes of I ine and of the free ances of the City of Portland regulating the construction, maintenance and u this department. N fication inspect n must n hand w un permit in procu- be re this to ding or ut thered la ed or or any processed-in. H IR NOTICE TO REQUIRED. A certificate of occupancy must be procured by owner before this build ing or part thereof is occupied.	Form # P 04 DISPLAY THIS CARD	ON PRINCIPAL FRONTAG	E_OF_WORK
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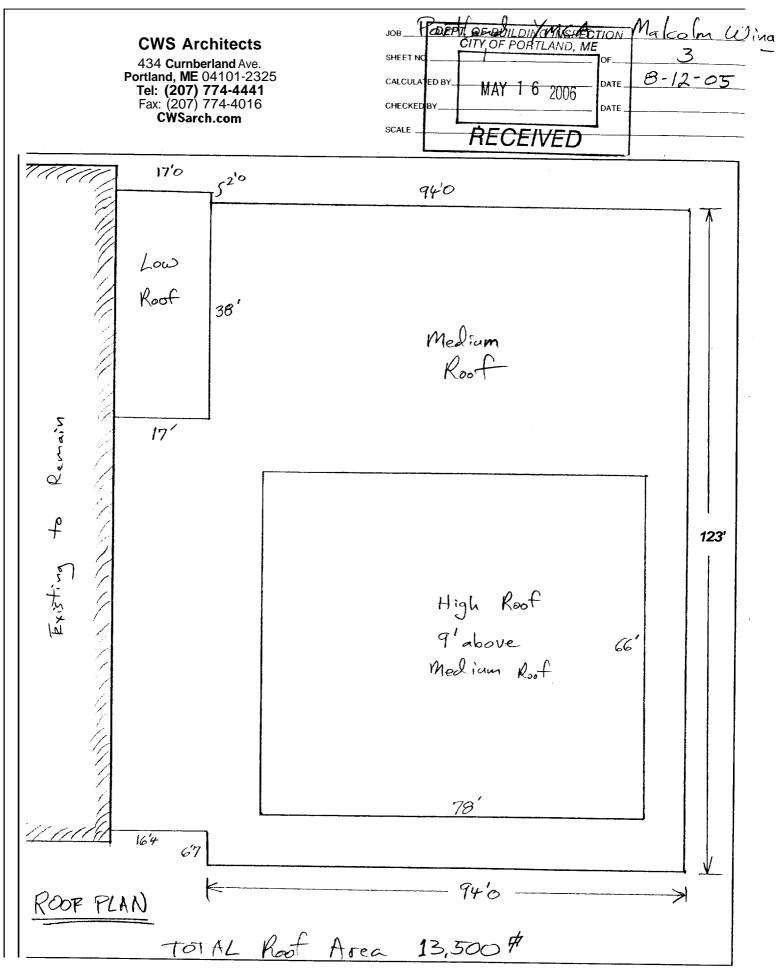
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CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

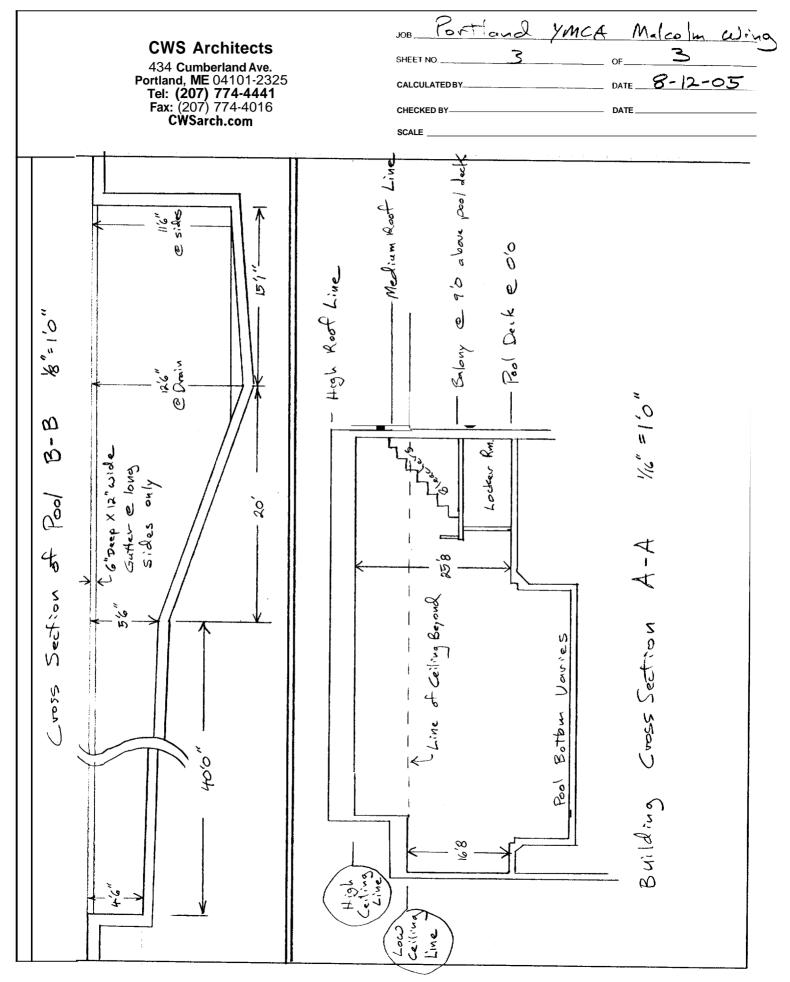
SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE

				Date Applied For:	CBL:
)	05/16/2006	036 G020001
Location of Construction:	Owner Name:		Owner Address:		Phone:
70 FOREST AVE	YOUNG MENS CHRIS	STIAN ASS	70 FOREST AVE		
Business Name:	Contractor Name:		Contractor Address:		Phone
	WRIGHT RYAN CON	STRUCT10	10 DANFORTH S	TREET Portland	(207) 773-3625
Lessee/Buyer's Name	Phone:		Permit Type:		
			Alterations - Com	mercial	
Proposed Use:		Propos	ed Project Description:		
Commercial roof replacement on ex	isting structure	Roof	replacement on exis	ting structure	
Dept: Zoning Status:	Approved with Conditions	Reviewer	: Marge Schmucka	l Approval D	ate: 05/19/2006
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SECTION 07500 ROOFING AND FLASHING

PART1 GENERAL

1.01 DESCRIPTION OF WORK

A. Fully adhered EPDM sheet roofing, tapered and flat roof insulation, elastomeric flashing, wood nailers, Metal-Era fascia system, copper cap flashings, roof drains, plumbing and walkway pads.

B. Wright-Ryan Construction, Inc. may change the scope of work described herein.

1.02 CODES, REGULATIONS AND STANDARDS

A. Contractor Responsibility: The Contractor shall assume **full** responsibility and liability for compliance with all applicable Federal, State and local codes, regulations and standards pertaining to work practices, hauling, disposal, protection of workers and visitors to the site, and persons occupying areas adjacent to the site. This includes modification of procedures to comply with changes to codes, regulations and standards which occur during the work of this contract. The Contractor is responsible for providing medical examinations and maintaining medical records of personnel as required by the applicable Federal, State and local regulations. The Contractor shall hold the Owner and Owner's Representatives harmless for failure to comply with any applicable work, hauling, disposal, safety, health or other regulations on the part of himself, his employees or his subcontractors.

1.03 QUALITY ASSURANCE

A. Roofing contractor to be approved in writing by the membrane manufacturer. Contractor shall be able to substantiate that he has been trained by the membrane manufacturer.

B. Roofing and flashing workmanship to comply with industry standards. The National Roofing Contractors Association's (NRCA) *ROOFING* AND *WATERPROOFINGMANUAL* along with *ARCHITECTURAL SHEET METAL MANUAL* as published by Sheet Metal and Air Conditioning Contractors National Association, Inc. (SMACNA) will be used to establish industry standards.

1.04 SUBMITTALS

- A. Sample ten (10) year watertight warranty for the EPDM membrane.
- B. Sample twenty (20) year material warranty for the EPDM membrane.
- C. Current EPDM membrane manufacturer's application specifications.
- D. Manufacturer's details of the proposed fascia system.

1.05 PRODUCT DELIVERY, STORAGE AND HANDLING

A. Deliver materials in their original, unopened containers, clearly labeled with manufacturer's name. All material to be stored in waterproof trailers or sheds, up on raised platforms and under lock and key until use. Do not use materials damaged in handling or storage. Replace damaged material with new material. Store adhesives between 60 and 80 degrees F. Should they be exposed to lower temperatures, restore to room temperature for three to five days prior to use.

2.06 FASTENERS

A. Use annular-ring hot dipped galvanized nails by the W.H. Maze Co. on the galvanized cant dam.

B. Use fasteners recommended by the membrane manufacturer to secure anchor bars and termination bars.

C. Wood nailers to be secured using annular-ring hot dipped galvanized nails, galvanized dry-wall screws, **#14-1**0 Heavy Duty Roofing Fasteners, carriage bolts or expansion anchors.

D. Fasteners used to secure roof insulation to the new steel deck to be #14-10 Heavy Duty Roofing Fasteners with CR-I0 coating, a minimum shank diameter of 0.170" and a thread diameter of 0.125". Pressure plates to be 3" diameter Galvalume plates. Screws and plates to be manufactured by Olympic Fasteners or approved equal. Length, size and accessories to be as required by the EPDM membrane manufacturer selected.

2.07 WALKWAY PADS

A. Walkway pads to be 30" x 30" thick Firestone Rubbergard Walkway pads or approved equal.

PART 3 EXECUTION

3.01 PREPARATION OF SURFACES

A. Completely remove existing roofing, roof insulation, base flashing, edge strips, vent flashing and roof drains. Promptly remove from site and dispose of properly.

B. Surfaces on which the roofing system is to be applied shall be clean, smooth, dry, free of fins, rot, sharp edges, loose and foreign materials, oil and grease.

3.02 ROOF INSULATION

A. Insulation shall be tightly butted with joints not more than 1/8" in width. Stagger joints with those in layer below. Fiberboard to be installed with a 1/16"-1/8" gap at all joints when board size is greater than 2' x 4'.

B. Fasten insulation to the roof deck with the appropriate screws and plates. Fastener quantity and layout must meet all requirements that may be imposed by the EPDM manufacturer to obtain their warranty.

C. Stagger joints in one direction for each course. For multiple layers, stagger joints in both directions between courses leaving no gaps, allowing a complete thermal envelope to be formed.

D. Provide tapered units to suit drainage pattern indicated.

E. Do not install more insulation in a day than can be covered with membrane before end of day or before start of inclement weather.

3.03 ROOF MEMBRANE

A. Adhere the .060" EPDM membrane to the 1/2" high density fiberboard in strict accordance with the manufacturer's specifications.

B. Six inch (6") wide seam tape will be required for all field seams.

B. All roofs, building, landscape and parking areas shall be cleaned of all trash, debris and dirt caused by or associated with this work.

C. Any areas stained, dirtied, discolored or otherwise damaged due to this work shall be cleaned, restored and replaced as required.

D. All debris shall be removed from the premises promptly and the construction area left clean daily.

3.12 INSPECTION AND TESTING

THE OWNER RESERVES THE RIGHT TO INSPECT AND TEST ALL CONSTRUCTION OPERATIONS AND MATERIALS.

A. Any defect or noncompliance discovered by inspection shall be reported to the contractor who shall promptly remove any defective material from the site.

B. The Owner reserves the right to inspect the work or parts of it as he chooses. His failure to inspect the work in progress shall not relieve the contractor of the responsibility for properly executing the contracted work, nor shall it impair the Owner's right to reject deficiencies he may subsequently discover.

3.13 DIMENSIONS AND QUANTITIES

A. The roof plan was compiled from various sources and may not reflect the conditions at the time of construction.

B. It is the contractor's responsibility to verify all dimensions prior to bidding.

PART 4 JOB CONDITIONS

A. Roofing to be applied in dry weather.

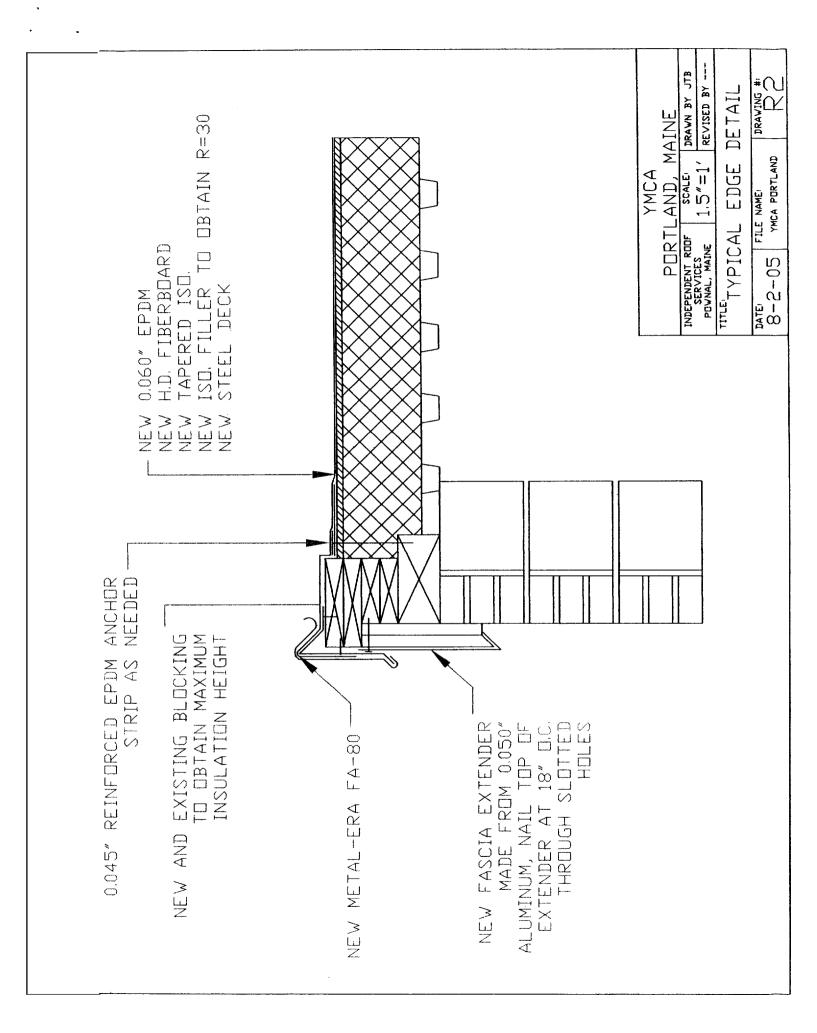
B. Completed roof areas shall not be trafficked. The work shall be coordinated to prevent this situation by working toward the roof edges.

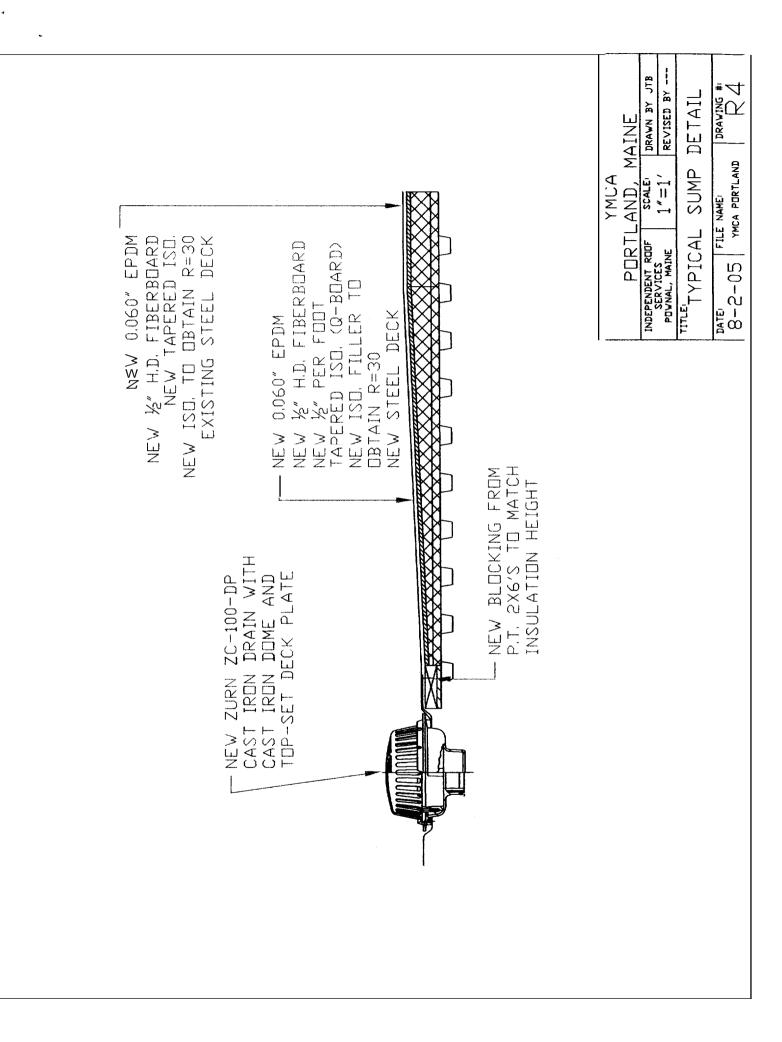
C. This project is subject to compliance with all requirements of the Occupational Safety and Health Administration (OSHA). All work on this project must meet the requirements of all applicable state and local codes, laws and ordinances.

D. Test cuts were taken from the roofs.

1. Over existing cementitious wood fiber deck there is one layer of 1/2" fiberboard roof insulation and a fully adhered EPDM roof There is a double tapered edge at the perimeter of the roofs. This old roof has had many repairs over the years so it is very likely that the roof composition will vary **from** one location to another. The contractors are encouraged to take their own test cuts to determine the exact composition of the existing roof system. Contractor will not receive any additional compensation should he later discover variations in the existing roof system. Contractor is to expect variations.

END OF SECTION







REQUEST FOR **PROPOSAL**

Project:	MALCOLM WING ROOF REPLACEMENT
Location:	Greater Portland YMCA, Forest Avenue, Portland, Maine
Issued by:	Wright-Ryan Construction, Inc., Rick Bergeron
Issued on:	February 22,2006
Site Visit:	Contact Rick Bergeron to schedule a site visit
Bid due date:	March 8,2006 at 12:00 Noon

THE BID DOCUMENTS for this project consist of the following:

- Specification Section 07500 Roofing and Flashing consisting of 5 pages and Sketches R1 through R5 prepared by Independent Roof Services dated August 2,2005.
- Structural Drawings S1, S2, and S3 prepared by L&L Structural Engineering Services dated August 11, 2005.
- Sketches 1 of 3 Malcolm Wing Roof Plan, 2 of 3 Pool Room Plan, and 3 of 3 Pool Room Cross Sections, all dated August 12,2005.
- **NOTE:** The Original Construction Documents for the Malcolm Wing are available at Wright-Ryan's office for review.

THIS PROJECT CONSISTS of the following bid packages:

- 1. Selective Demolition
 - Remove the entire roofing system over the Malcolm Wing (appox. 13,500 sft).
 - Remove the existing tectum deck and supporting bulb tees. Grind smooth and touch-up paint the areas where the bulb tees are welded to the steel beams and joists.
 - Remove the existing acoustical ceiling systems.
 - The working platforms described in Item 2 below will be provided by others to access the roof area over the pool room and pool bleachers (about 50% of the total project area).
 - This subcontractor is responsible for obtaining and paying for all state or local permits required to properly perform this scope of work.
 - This subcontractor is responsible for providing the dumpsters required for debris removal. These containers will be covered at all times to control dust migration.
 - When "remove" is used above, it means remove, handle, transport off site, and legally dispose of.

Building Maine's Great Spaces

Wright-Ryan Construction, Inc. • IO Danforth Street • Portland, Maine 04101 Phone (207)773-3625 • Fax (207)773-5173 • www.wright-ryan.com 2. Working Platform over the Pool

here

- Design, furnish, erect, and subsequently dismantle and remove working platforms to access the roof area above the Malcolm Pool and bleacher area.
- The pool will be drained by others prior to the start of erection work. All existing tile work must be protected from damage due to scaffolding leg loading.
- These working platforms must provide access to the entire roof over the pool room and bleacher area (approx. 73 '4" by 91'11").
- The top of these working platforms should be located about 6'0" below the existing ceiling surfaces.
- All scaffold materials must be loaded in and out through the existing access door at the northeast comer of the pool room.
- 3. Structural Upgrades
 - Fabricate, deliver, and fully install all of the structural steel upgrades indicated for both the existing steel frame and steel joists. Note that all of the upgrades that can be performed from underneath the existing roof deck will be performed before the roofing and decking are removed. The working platforms described in Item 2 above will be provided by others to access the roof area over the pool room and pool bleachers (about 50% of the total project area). This subcontractor will need to provide access to the remaining areas requiring upgrades.
 - Furnish and install the new metal decking.
- 4. New Roofing System
 - Furnish and install a new roof system in accordance with the bid documents (appox. 13,500sft).
 - Furnish and install the new roof drains indicated. All interior plumbing work will be performed by others.
 - Furnish and install all required flashing work required including that required for the existing rooftop equipment and penetrations not indicated on the drawings.
 - Furnish and install walkway pads to access the existing equipment and roof protection pads for the existing wooden walkway which will be removed and reinstalled by others.
 - All roof demolition work will be performed by others.
 - All metal decking and wood blocking work will be performed by others.
 - <u>NOTE</u>: Provide an Alternate price to substitute a FiberTite roof system in lieu of the specified EPDM system. Contact John Massengill at Seaman Corporation (Tele: 510-6868) for material pricing.
- 5. Acoustical Ceiling Systems
 - Furnish and install a new acoustical ceiling system in the pool room. The tile shall be Armstrong Ceramiguard or approved equal.
 - Furnish and install a new acoustical ceiling system in the upstairs areas adjoining the squash and handball courts.
 - The working platforms described in Item 2 above will be provided by others to access the roof area over the pool room and pool bleachers.

- 6. Mechanical Systems
 - Furnish and install new horizontal rain water piping from the new roof drains to the existing storm water leaders.
 - Temporarily support any mechanical system component currently hung from the existing tectum decking. Reattach to the adjacent steel framing or the new metal deck.
 - The working platforms described in Item 2 below will be provided by others to access the roof area over the pool room and pool bleachers.
- 7. Fire Protection Systems
 - Design, fabricate, deliver, and fully install a new fire protection system for all spaces in the Malcolm Wing located directly below the roof structure (top level spaces).
 - The working platforms described in Item 2 above will be provided by others to access the roof area over the pool room and pool bleachers.
 - **<u>NOTE</u>**: Provide an Alternate price to provide fire protection coverage for the balance of the wing spaces (lower level spaces i.e.: locker rooms, etc).

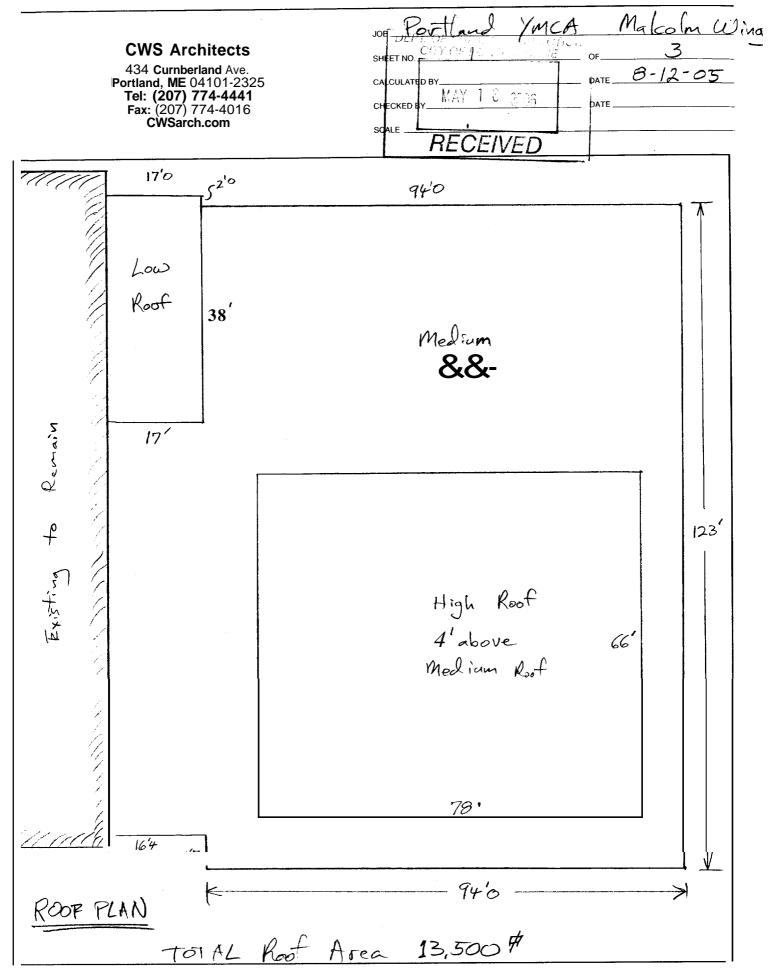
THE PROJECT CONSTRUCTION SCHEDULE for this work is as follows:

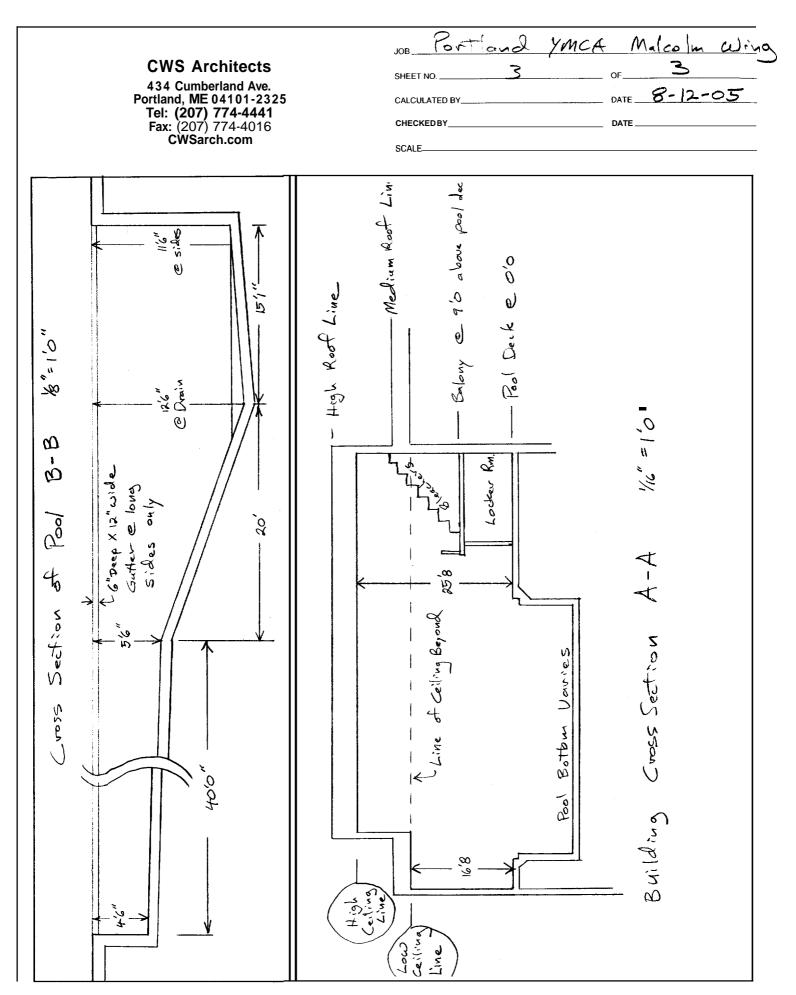
- Subcontract awards will be made within 30 days of the bid date allowing the individual subcontractors to purchase the required building materials. Subcontractors will be paid for properly identified and insured stored materials. Actual field construction work will not begin until June 2006.
- Mobilize and start work on June 5,2006.
- Work will be phased and will be performed in a sequence to keep the building as dry as possible. This sequence will be determined later.
- Complete all work by August 25,2006.

GENERAL BIDDING REQUIREMENTS

All questions concerning this scope of work, the bid documents or the construction schedule must be submitted in writing at least 72 hours in advance of the established bid proposal due date and time. Please fax all written questions to Rick Bergeron at 773-5173. Responses will be issued in writing via addendum.

All bid proposals shall be in strict accordance with this RFP and all documents listed herein, including all addenda issued subsequently. All bid documents are complementary – should one document require a scope of work item not indicated on or within another document, it is understood that this work item will be required as if indicated by all documents, and shall not be considered a conflict within the documents. All exclusions, clarifications, and/or assumptions, relative to this scope of work, the bid documents or the construction schedule, must be clearly listed on the bidder's proposal. Bid proposals shall remain subject to acceptance for *30* days after the due date listed above. Bid proposals may be hand delivered to our main office or faxed to 773-5173.





SECTION 07500 ROOFING AND FLASHING

PART1 GENERAL

1.01 DESCRIPTION OF WORK

A. Fully adhered EPDM sheet roofing, tapered and flat roof insulation, elastomeric flashing, wood nailers, Metal-Era fascia system, copper cap flashings, roof drains, plumbing and walkway pads.

B. Wright-Ryan Construction, Inc. may change the scope of work described herein.

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- B. Sample twenty (20) year material warranty for the EPDM membrane.
- C. Current EPDM membrane manufacturer's application specifications.
- D. Manufacturer's details of the proposed fascia system.

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A. Deliver materials in their original, unopened containers, clearly labeled with manufacturer's name. All material to be stored in waterproof trailers or sheds, up on raised platforms and under lock and key until use. Do not use materials damaged in handling or storage. Replace damaged material with new material. Store adhesives between 60 and 80 degrees F. Should they be exposed to lower temperatures, restore to room temperature for three to five days prior to use.

2.06 FASTENERS

A. Use annular-ring hot dipped galvanized nails by the W.H. Maze Co. on the galvanized cant dam.

B. Use fasteners recommended by the membrane manufacturer to secure anchor bars and termination bars.

C. Wood nailers to be secured using annular-ring hot dipped galvanized nails, galvanized dry-wall screws, #14-10 Heavy Duty Roofing Fasteners, carriage bolts or expansion anchors.

D. Fasteners used to secure roof insulation to the new steel deck to be #14-10 Heavy Duty Roofing Fasteners with CR-10 coating, a minimum shank diameter of 0.170" and a thread diameter of 0.125". Pressure plates to be **3**" diameter Galvalume plates. Screws and plates to be manufactured by Olympic Fasteners or approved equal. Length, size and accessories to be as required by the EPDM membrane manufacturer selected.

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A. Walkway pads to be **30**" **x 30**" **x .30**" thick Firestone Rubbergard Walkway pads or approved equal.

PART 3 EXECUTION

3.01 PREPARATION OF SURFACES

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THE OWNER RESERVES THE RIGHT TO INSPECT AND TEST ALL CONSTRUCTION OPERATIONS AND MATERIALS.

A. Any defect or noncompliance discovered by inspection shall be reported to the contractor who shall promptly remove any defective material from the site.

B. The Owner reserves the right to inspect the work or parts of it as he chooses. His failure to inspect the work in progress shall not relieve the contractor of the responsibility for properly executing the contracted work, nor shall it impair the Owner's right to reject deficiencies he may subsequently discover.

3.13 DIMENSIONS **AND** QUANTITIES

A. The roof plan was compiled from various sources and may not reflect the conditions at the time of construction.

B. It is the contractor's responsibility to verify all dimensions prior to bidding.

PART 4 JOB CONDITIONS

A. Roofing to be applied in dry weather.

B. Completed roof areas shall not be trafficked. The work shall be coordinated to prevent this situation by working toward the roof edges.

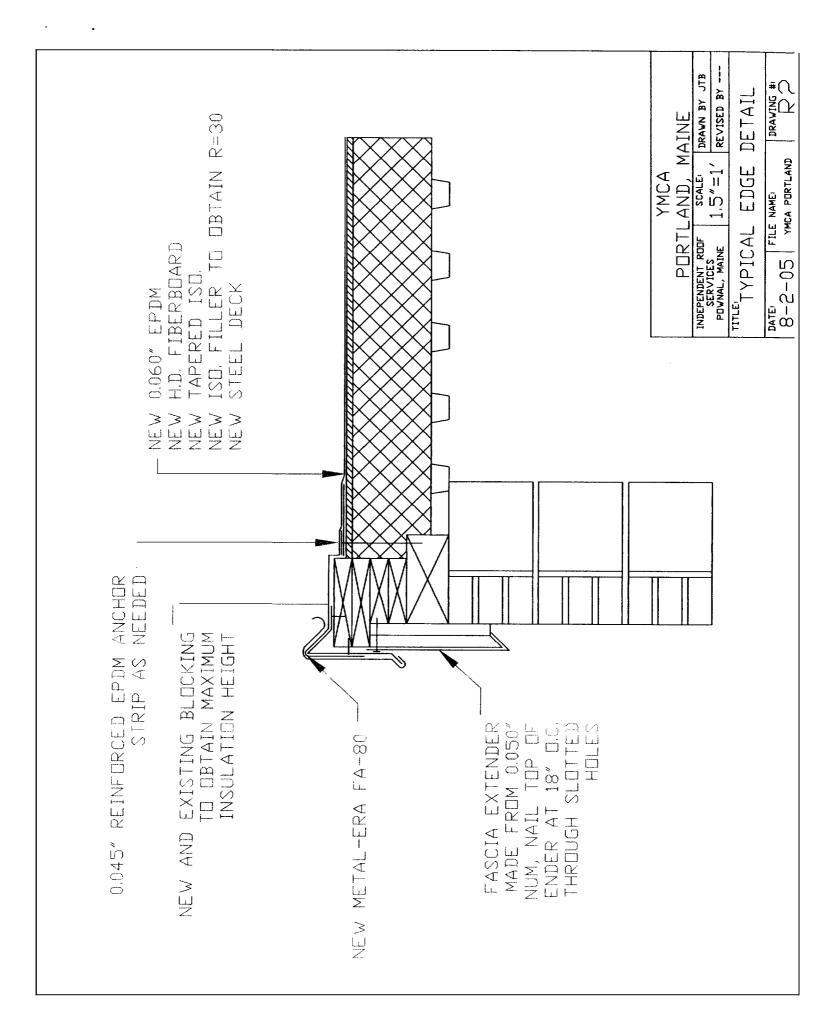
C. This project is subject to compliance with all requirements of the Occupational Safety and Health Administration (OSHA). All work on this project must meet the requirements of all applicable state and local codes, laws and ordinances.

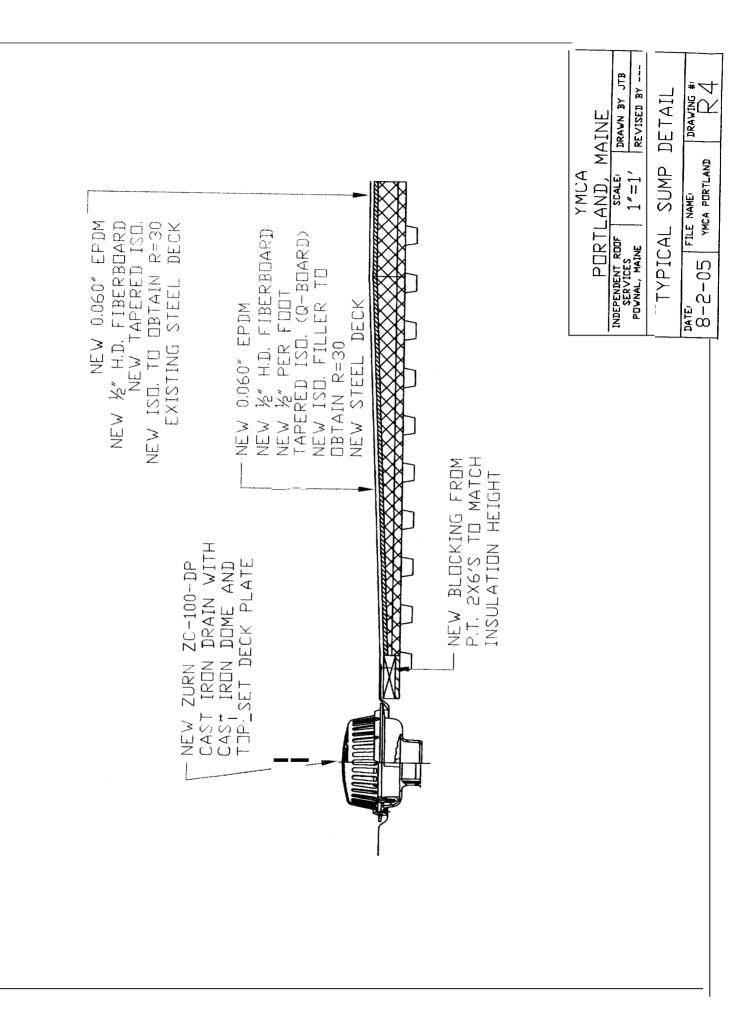
D. Test cuts were taken from the roofs.

1. Over existing cementitious wood fiber deck there is one layer of 1/2" fiberboard roof insulation and a fully adhered EPDM roof There is a double tapered edge at the perimeter of the roofs. This old roof has had many repairs over the years so it is very likely that the roof composition will vary from one location to another. The contractors are encouraged to take their own test cuts to determine the exact composition of the existing roof system. Contractor will not receive any additional compensation should he later discover variations in the existing roof system. Contractor is to expect variations.

END OF SECTION

07500-5







REQUEST FOR **PROPOSAL**

Project:	MALCOLM WING ROOF REPLACEMENT
Location:	Greater Portland YMCA, Forest Avenue, Portland, Maine
Issued by:	Wright-Ryan Construction, Inc., Rick Bergeron
Issued on:	February 22,2006
Site Visit:	Contact Rick Bergeron to schedule a site visit
Bid due date:	March 8,2006 at 12:00 Noon

THE BID DOCUMENTS for this project consist of the following:

- Specification Section 07500 Roofing and Flashing consisting of 5 pages and Sketches R1 through R5 prepared by Independent Roof Services dated August 2,2005.
- Structural Drawings S1, S2, and S3 prepared by L&L Structural Engineering Services dated August 11,2005.
- Sketches 1 of 3 Malcolm Wing Roof Plan, 2 of 3 Pool Room Plan, and 3 of 3 Pool Room Cross Sections, all dated August 12,2005.
- **NOTE:** The Original Construction Documents for the Malcolm Wing are available at Wright-Ryan's office for review.

THIS PROJECT CONSISTS of the following bid packages:

- 1. Selective Demolition
 - Remove the entire roofing system over the Malcolm Wing (appox. 13,500 sft).
 - Remove the existing tectum deck and supporting bulb tees. Grind smooth and touch-up paint the areas where the bulb tees are welded to the steel beams and joists.
 - Remove the existing acoustical ceiling systems.
 - The working platforms described in Item 2 below will be provided by others to access the roof area over the pool room and pool bleachers (about 50% of the total project area).
 - This subcontractor is responsible for obtaining and paying for all state or local permits required to properly perform this scope of work.
 - This subcontractor is responsible for providing the dumpsters required for debris removal. These containers will be covered at all times to control dust migration.
 - When "remove" is used above, it means remove, handle, transport off site, and legally dispose of.

Building Maine's Great Spaces

Wright-Ryan Construction, Inc. • 10 Danforth Street • Portland, Maine 04101 Phone (207)773-3625 • Fax (207)773-5173 • www.wright-ryan.com 2. Working Platform over the Pool

1

- Design, furnish, erect, and subsequently dismantle and remove working platforms to access the roof area above the Malcolm Pool and bleacher area.
- The pool will be drained by others prior to the start of erection work. All existing tile work must be protected from damage due to scaffolding leg loading.
- These working platforms must provide access to the entire roof over the pool room and bleacher area (approx. 73'4"by 91'11").
- The top of these working platforms should be located about 6'0" below the existing ceiling surfaces.
- All scaffold materials must be loaded in and out through the existing access door at the northeast comer of the pool room.
- 3. Structural Upgrades
 - Fabricate, deliver, and fully install all of the structural steel upgrades indicated for both the existing steel frame and steel joists. Note that all of the upgrades that can be performed from underneath the existing roof deck will be performed before the roofing and decking are removed. The working platforms described in Item 2 above will be provided by others to access the roof area over the pool room and pool bleachers (about 50% of the total project area). This subcontractor will need to provide access to the remaining areas requiring upgrades.
 - Furnish and install the new metal decking.
- 4. New Roofing System
 - Furnish and install a new roof system in accordance with the bid documents (appox. 13,500 sft).
 - Furnish and install the new roof drains indicated. All interior plumbing work will be performed by others.
 - Furnish and install all required flashing work required including that required for the existing rooftop equipment and penetrations not indicated on the drawings.
 - Furnish and install walkway pads to access the existing equipment and roof protection pads for the existing wooden walkway which will be removed and reinstalled by others.
 - All roof demolition work will be performed by others.
 - All metal decking and wood blocking work will be performed by others.
 - <u>NOTE</u>: Provide an Alternate price to substitute a FiberTite roof system in lieu of the specified EPDM system. Contact John Massengill at Seaman Corporation (Tele: 510-6868) for material pricing.
- 5. Acoustical Ceiling Systems
 - Furnish and install a new acoustical ceiling system in the pool room. The tile shall be Armstrong Cerarniguard or approved equal.
 - Furnish and install a new acoustical ceiling system in the upstairs areas adjoining the squash and handball courts.
 - The working platforms described in Item 2 above will be provided by others to access the roof area over the pool room and pool bleachers.

- 6. Mechanical Systems
 - Furnish and install new horizontal rain water piping from the new roof drains to the existing storm water leaders.
 - Temporarily support any mechanical system component currently hung from the existing tectum decking. Reattach to the adjacent steel framing or the new metal deck.
 - The working platforms described in Item 2 below will be provided by others to access the roof area over the pool room and pool bleachers.
- 7. Fire Protection Systems
 - Design, fabricate, deliver, and fully install a new fire protection system for all spaces in the Malcolm Wing located directly below the roof structure (top level spaces).
 - The working platforms described in Item 2 above will be provided by others to access the roof area over the pool room and pool bleachers.
 - **<u>NOTE</u>**: Provide an Alternate price to provide fire protection coverage for the balance of the wing spaces (lower level spaces i.e.: locker rooms, etc).

THE PROJECT CONSTRUCTION SCHEDULE for this work is as follows:

- Subcontract awards will be made within 30 days of the bid date allowing the individual subcontractors to purchase the required building materials. Subcontractors will be paid for properly identified and insured stored materials. Actual field construction work will not begin until June 2006.
- Mobilize and start work on June 5,2006.
- Work will be phased and will be performed in a sequence to keep the building as dry as possible. This sequence will be determined later.
- Complete all work by August 25, 2006.

GENERAL BIDDING REQUIREMENTS

All questions concerning this scope of work, the bid documents or the construction schedule must be submitted in writing at least 72 hours in advance of the established bid proposal due date and time. Please fax all written questions to Rick Bergeron at 773-5173. Responses will be issued in writing via addendum.

All bid proposals shall be in strict accordance with this RFP and all documents listed herein, including all addenda issued subsequently. All bid documents are complementary – should one document require a scope of work item not indicated on or within another document, it is understood that this work item will be required as if indicated by all documents, and shall not be considered a conflict within the documents. All exclusions, clarifications, and/or assumptions, relative to this scope of work, the bid documents or the construction schedule, must be clearly listed on the bidder's proposal. Bid proposals shall remain subject to acceptance for 30 days after the due date listed above. Bid proposals may be hand delivered to our main office or faxed to 773-5173.

All Purpose Building Permit Application , roperty owner owes real estate or personal property taxes or user charges on any property within , re City, payment arrangements must be made before permits of any kind are accepted.

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City of Portland, Maine - B 389 Congress Street, 04101 Te			Permit No: 06-0743	Date Applied For: 05/16/2006	CBL: 036 GO20001		
ocation of Construction:	Owner Name:	(Owner Address:	Phone:			
70 FOREST AVE	YOUNG MENS CHR	ISTIAN ASS	70 FOREST AVE				
lusiness Name:	Contractor Name:		Contractor Address:		Phone		
	WRIGHT RYAN CO	NSTRUCT10	10 DANFORTH S	TREET Portland	(207) 773-3625		
.essee/Buyer's Name	Phone:]	Permit Type: Alterations - Com	mercial			
Commercial roof replacement on existing structure Roof replacement on existing structure							
Dept:ZoningStatus:Note:1)This permit is being approved work.2)No expansion of the existing b	-	tted. Any deviat	Marge Schmucka		Ok to Issue:		
• v	Pending	Reviewer:	Mike Nugent	Approval D			
Note: Ok to Issue: 1) Joseph Leasure P.E. to perform special inspections per Randy Alred Wright-Ryan							
Dept: Fire Status: Note:	Approved with Condition	ns Reviewer:	Cptn Greg Cass	Approval D	ate: 05/22/2006 Ok to Issue: 🗹		
1) Fire supression system shall co	mply with NFPA 13						
2) Fire detection system shall comply with NFPA 72							
3) All building construction shall	comply with NFPA 101						

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1	FROM DESIGNER: L & L STRUCTU	RAL ENGINEBRING SERVICES, INC.
	DATE: 5/12/06	
	Job Name: <u>4MCA</u> , PORTLAND-	MALCOLM POOL (ROOF REPLACEMENT)
•	Address of Construction: 70 FOREST AVE	ENUE PORTLAND ME
	2003 Internation	nal Building Code
•		ing to the building code criteria listed below:
· ·	Building Code and Year 2003 IBC Use G	$\operatorname{Froup Classification(s)} \underline{A3/A4}$
	Type of Construction TYPE 28 UNPRUTEO/	JON- COMEJSTICE
	Will the Structure have a Fire suppression system in Accordan	co with Section 903.3.1 of the 2003 IBC (Not THIS PORTION)
	Is the Structure mixed use? <u>YES</u> if yes, separated or non se	parated (see Section 302.3) CAISING CONCELLINGS (NOT MOUTHA
	Supervisory alarm system? YES Geotechnical/Soils report	required?(See Section 1802.2) NO
	STRUCTURAL DESWIN CALCULATIONS	NA. Live lord reduction
	YES submitted for all structural members	(1803.1.1, 1807.8, 1607.10) 42 PSF Roof Eve loads (1803.1.2, 1807.11)
· ·	(108.1, 108.1.1)	
	DESIGN LOADS ON CONSTRUCTION DOCUMENTS (1803)	Root snow loads (7603.7.3,1806) 60 Ground snow load, P_d (1808.2)
1.0	Uniformity distributed floor live loads (7603.11, \$80.7)	$\frac{60}{42}$ Ground snow load, Pg (18082) 42 IF Pr > 10.psf, flat-roof snow load, Pr
-	Floor Area Use Lozds Shown	(1604.3)
-	<u>NA</u>	$\frac{1}{(Table 1608.3.1)}$ if $P_{2} > 10 \text{ pst, snow exposure factor, } C_{0}$
• • •	·	factor, le (Table 1604.5)
		1, 0 Roof thermal factor, Cr (Table 1608.3.2)
		42 Sloped roof snowload, Pt (1808.4)
	Wind loads (1803, 1.4, 1609)	(Table 1517.8.2)
	<u> (60억.1.)</u> Design option utilized (1609.1. 1, 1609.6) <u> 100 MPH</u> Basic Mnd speed (1809.3)	5/4/2 Response modification coefficient, R, and deflection emplification factor, Co
<u>.</u>	Building category and wind importance	(Table 1817.6.2)
	factor, hy (Table 1804, 8, 1609,5)	1616.6 Analysis procedure (1878.6, 16175)
1		0.067 W Design base shear (16174, 1817.5.1)
ZONE 4 +18.1/-19.6	$\frac{+/-0.18}{10}$ internal pressure coefficient (ASCE 7)	Flood loads (1808.1.6, 1612)
	Component and pladding pressures (1809.1.1, 1809.6.2.2)	NA Floodhazard area (16123)
ZONES	15.1/20.9 Main force wind pressures (7603.1. 1,	35 Elevation of structure (ROOF HEIGHT)
18.1/-23.6	PSF 1809.6.2.1)	Other loads
	Erithqueks design data (1800.1.5, 1614 - 1828)	Concentrated loads (1607.4)
	1615 Design option utilized (1814, 1)	Partition loads (1607.5)
· · · · · · · · · · · · · · · · · · ·		<u>NA</u> Impact loads (1607.8)
	$\frac{S_{p1} = 0.11}{S_{p1} = 0.11}$ Spectral response costilioiente, Sps & Spt (1615.1)	Mlsc. loads (Table 1607.8, 1607.6;1, 1667.7, 1507.12,1807.13, 1510, 1611, 2404)
• • •	5tte class (1816.1.6)	
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		A DECEMBER	
•••• ••••		CITY OF PORTLAND BUILDING CODE CERTIFICATE 389 Congress St., Room 315 Portland, Maine 04101	
. .	Designer:	ACCESSIBILITY CERTIFICATE	(NOT APPLICABLE) "ROOF REPLACEMENT"
i	Address of Project:		
:	Nature of Project:		
• •		ions covering the proposed construction a compliance with applicable referenced	

Maine Human Rights Law and Federal Americans with Disability Act.

, Signature:	
Title:	
Fim:	۰.
Address:	· .
Phone:	

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NOTE: If this project is a new Multi Family Structure of 4 units or more, this project must also be designed in compliance with *the* Federal Fair Housing A ct On a separate submission, please explain in narrative form the method of compliance.

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May 15 06 11:57a





CITY OF PORTLAND BUILDING CODE CERTFICATE 389 Congress St., Room 315 Portland, Maine 04101

TO: Inspector of Buildings City of Portland, Maine Department of Planning & Urban Development Division of Housing & Community Service

 FROM:
 L\$ L
 STRUCTURAL ENGINGERING SERVICES, INC.

 JOSEPH H.
 LEASURE

 RE:
 Certificate of Design

DATE: <u>5/15/26</u>

These plans and / or specifications covering construction work on:

YMCA MALCOLM POOL - ROOF REPLACEMENT. 70 FORELT AVENUE, PORTLAND, MAINE

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the 2003 International Bu

(SEAL)

As per Maine State Law:

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\$50,000.00 or more in new construction, repair expansion, addition, or modification for Building or Structures, shall be prepared by a registered design Professional.

Alphice
Signature: A Justice
Title: PRINCIPAS
- Idi strange our was

Address: 6 Q STREET, SOUTH PORTLAND, ME OAING

389 Congress Street Portland, Maine 04101 (207) 874-8703 FACSIMULE (207) 874-8716 (207) 874-8936