

TOWN COUNCIL  
**Town of Trumbull**  
CONNECTICUT  
www.trumbull-ct.gov

TOWN HALL  
Trumbull

TELEPHONE  
(203) 452-5005



EDUCATION COMMITTEE  
NOVEMBER 24, 2014  
MINUTES

The Chair called the Education Committee to order at 6:45 p.m.

The Clerk called the roll and recorded it as follows:

Present: Ann Marie Evangelista, Chairman, Lori Rosasco Schwartz, Vice Chairman, Vicki Tesoro, Bethany Llodra Gilman and Donna Seidell.

Absent: Patrick Helfrich, Thomas Christiano, Alternate and Mark LeClair, Alternate.

Also

Present: Town Council Chairman Carl A. Massaro, Jr. (left the meeting at 7:20 p.m.), Superintendent of Schools Gary Chialfi, Trumbull High School Principal Marc Guarino, BOE Facilities Director Mark Deming, BOE Member Michael Ward, Town Council Members, Ken Martin, Sr., Ennio DeVita, and Cindy Penkoff.

- 
1. RESOLUTION TC25-126: Moved by Ms. Llodra Gilman, seconded by Ms. Rosasco Schwartz.

BE IT RESOLVED, That additional items are hereby authorized to be included in the scope of the Trumbull High School Renovation project.

Mr. Deming distributed a list of items and associated costs to be considered for the high school renovation (Attached). Mr. Deming reviewed the list in detail with the Education Committee:

- The Weight room's footprint needs to be expanded, since this is not a viable option, the Athletic Director suggested improving the storage areas. This will help the area function more efficiently. Approximate cost is \$30,000.
- Glass Wall School Entrance, safety issue - proposed concrete planters to serve as a barrier. Approximate cost \$7,500.

- PA system in the Commons and the Senior Lounge, this is a safety issue, communication with the student body at all times is critical. Estimated cost is \$25,000 for the Commons' area and approximately \$6,200 for the Senior Lounge. The PA system in the Senior Lounge will also enhance professional development seminars.
- Spotlights for Auditorium estimated cost \$8,000 (lights) + \$2,000 (scaffolding) - After discussion and review the Committee agreed further research was necessary. The Committee requested the following information - The cost of renting the spotlights, how many times are they rented and who is responsible for paying the rental fee.

**Total cost** for all items is **\$84,500 plus \$6,000** (Senior Lounge PA system)

Ms. Penkoff asked if anyone has ever audited the invoices for the THS Renovation project to make sure none of these items had already been ordered and paid for.

The Committee agreed to recommend a “not-to-exceed” amount of \$80,000, pending further information requested on the Auditorium lights (\$10,000) and other information as referenced in these minutes.

The Committee reviewed the list of items the Building Committee had compiled dated Nov. 1, 2013, (Attached). The Committee discussed the millwork and its importance to teachers. Mr. Deming confirmed that the divots in the terrazzo floors can be filled. The Committee requested the number of doors that need to be replaced. Mr. Deming explained the Press Box roof leaks. The Committee suggested either the Public Works Department or the BOE Facilities Dept repair the roof. Mr. Deming state the BOE Facilities Dept. could do the work.

Moved by Ms. Rosasco Schwartz, seconded by Ms. Llodra Gilman to amend the resolution to read as:

RESOLUTION TC25-126: BE IT RESOLVED, That additional items not to exceed \$80,000 are hereby authorized to be included in the scope of the Trumbull High School Renovation project.

Additional Scope Items:

- \$12,000 Tinted windows in Gym and Senior Lounge
- \$30,000 Weight room enclosure of existing storage rooms, proper shelving and storage bins, install properly keyed locks for the three storage rooms.
- \$7,500 Auditorium glass wall barrier (10-12 pre-cast concrete manholes with caps to be utilized as planters, stone, fabric and soil.
- 31,000 PA system in Commons and Senior Lounge.

The Committee requested more information and the estimated costs associated for the replacement of the remaining doors, millwork, the ADA issue in the food lab and the rental of the spotlights in the auditorium.

VOTE: Motion to amend CARRIED unanimously.  
VOTE: As Amended CARRIED unanimously.

There being no further business to discuss and upon motion made by Ms. Llodra Gilman seconded by Ms. Seidell the Education Committee adjourned unanimously at 7:53 p.m.

The Education Committee toured Trumbull High School.

Respectfully Submitted,

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Margaret D. Mastroni, Town Council Clerk

#### Missing in Renovation Project -Nov.1, 2011

1. Millwork in classrooms not on plan -torn out -not replaced.. cost to BC
2. Window Sills in upper C House , 2nd floor - \$60,000
3. Ceiling in Cafeteria =added
4. Bathrooms – one proposed , needed 2
5. Science Dept. left off plan in Upper MC
6. Soundproof doors =Music
7. Museum left off plan
8. Hood for Culinary Kitchen left off plan
9. No ventilation in Xerox machine small room
10. PA system torn out of Cafeteria not on plan to replace
11. Wiring torn out of M-15
12. Smart Boards left off M =wings classrooms
13. C-25 & C-26 left off plans – JCI never looked at the rooms –read 1972 plans-they are labs now
14. C-1 no plan for a former lab –wiring requested – BC paid \$25,000
15. Weight room not included in the plan
16. Transcript Room – extra charge

#### Not replaced

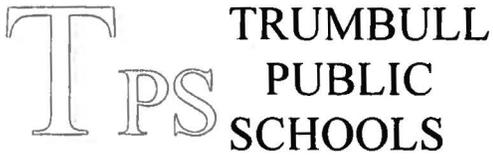
1. TV in Faculty Dining Room , thrown out – was a gift to the school
2. Fiber Cable throughout the school - torn out
3. Kitchens in Food Labs not handicap accessible
4. Network wiring torn out Senior Lounge
5. Wiring torn out of Auto Lab

#### Wrong item

1. Arm rests in Auditorium; wrong color – accepted -\$17, 000 to replace with correct color
2. Pendant lights for Main Office, wrong size

#### ITEMS LIST FROM O & G

1. Terrazzo Floors – need to brought back to original finish
2. Spotlights in Auditorium
3. Low Stone wall in front of building to protect glass –Police Request
4. Weight room ,not renovated
5. Door replacement – some painted , other not done
6. Tinted windows in gym
7. Bulletin Boards
8. Marquis boards in each house with staff names
9. Press Box not renovated ,not in plan



<http://www.trumbullps.org>

FACILITIES DEPARTMENT  
6254 MAIN STREET, TRUMBULL, CT  
TEL: (203) 452-4306 FAX: (203) 452-4308

Mark Deming, Director  
Email: demingm@trumbullps.org  
Stephen Kennedy, Facilities Manager  
Email: kennedys@trumbullps.org

### Remaining \$200,000 THS Renovation

Tinted windows in Gym and Senior Lounge- Cost to address these areas is approximately \$12,000

Weight room renovations-Review of area with Athletic Director existing area is not large enough to accommodate programs, recommendation would be to utilize funding to improve storage areas not completed during renovations to provide storage and security for expensive athletic equipment. Cost to complete and enclose existing storage rooms, provide proper shelving and storage bins, and install properly keyed locks for the three storage rooms is approximately \$30,000.

Low Stone wall across auditorium glass-Recommendation is to purchase 10-12 pre-cast concrete manholes with caps and utilize as planter, the cost for each is \$400.00 delivered plus the cost of stone, fabric and soil the estimated cost would be approximately \$7,500.00.

HVAC Duct work for Special Education area in Media- This area had a damper that was not being controlled through the Building Management System and is now repaired. It is believed that the existing system can maintain the areas temperature with existing equipment but may need to be air balanced in the future.

PA system in the Commons-The cost to install a system that can operate as a standalone PA for just the commons and work off the schools common PA is approximately \$25,000.

Fixed Spotlight for Auditorium- The cost for two (2) spotlights which is what was recommended is approximately \$8,000.00 and would recommend an additional \$2,000.00 for scaffolding in order to achieve different desired elevations.

Total cost for above is \$84,500.



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**Our Customers**



**Commercial Services**

**Improve Appearance**

Commercial window films are the most cost-effective way to rejuvenate a property's exterior appearance. They make building exteriors more attractive by eliminating visual clutter and giving them a uniform appearance. Commercial window films can easily be coordinated with the property's interior or exterior for a more contemporary look. Even older properties take a dramatic leap forward in appearance with commercial window film.

**Big Energy Savings**

Commercial window films help reduce energy bills by rejecting up to 77 percent of the sun's total solar energy. In summer, or in year-round tropical climates, the film reduces the strain on HVAC chillers by blocking the sun's heat. During the winter, films help insulate the glass. The result is reduced operating expenses. Less money is going to your energy providers and more goes to your bottom line.

**Improve Comfort**

Experts in the hospitality industry agree, comfortable guests are more likely to return. Commercial window film makes guests more comfortable by eliminating annoying "hot spots" in guest rooms and common gathering areas. Films also reduce glare and increase privacy. Guests are able to pull back the drapes and enjoy the view without giving up their privacy.

**Reduce Fading**

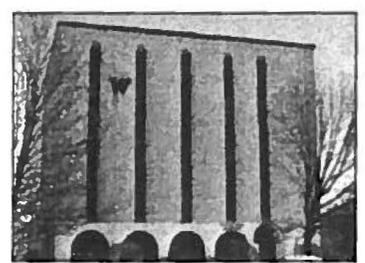
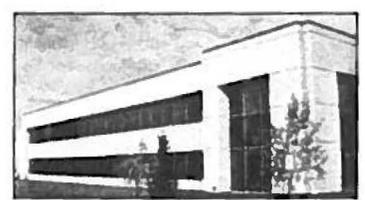
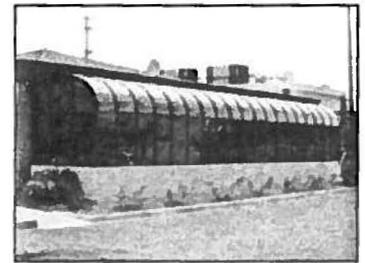
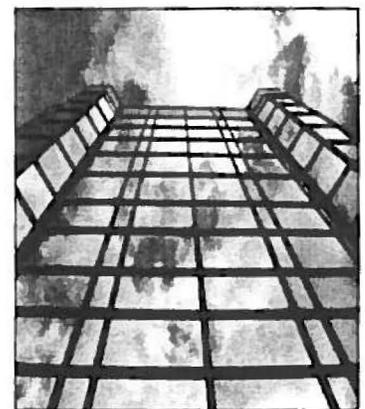
The sun's ultraviolet light causes draperies, carpets, and furnishings and other soft goods to fade. Commercial window films reject up to 98 percent of the sun's harmful and damaging ultraviolet light, prolonging the life of your furnishings and soft goods. In addition, films help protect hotel guests from this health threat.

**Increase Safety**

Commercial films provide the look of expensive tinted glass with added shatter resistance. Face it, accidents happen, but commercial films can reduce the risk of glass related injury. Although not rated as safety films, commercial films have a strong adhesive system that bonds the film to the glass. Glass with commercial window film becomes stronger and more shatter resistance. If an accident does happen, glass is more likely to stay in place reducing the chance of dangerous airborne shards.

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Our commercial customers see us within minutes after their inquiry. Our fleet service gives us the opportunity to tint your home or office within days of our appointment.





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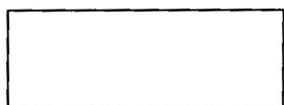
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*Friendly's.*

**Our Customers**



**Commercial Window Films: FAQ**

Q: What is the width size of your film rolls?  
 A: 72", 60", 48", 36", 24", 20" are the standard sizes

Q: How do I clean the film?  
 A: Use a soft damp cloth (soap and water) with squeegee.

Q: Can we put tint on Skylights?  
 A: Yes, flat glass Skylights are very popular to tint.

Q: What does tint do in the winter?  
 A: The film acts as a interior reflector saving you money on heating costs.

Q: How much heat can window film actually reduce?  
 A: It depends on the window film selection you install. The reduction can range from 4% to 80% of the solar heat gain.

Q: Will window film make the room appear darker?  
 A: Most films are hardly noticeable once installed. In fact, it will make the room more comfortable and enjoyable.

Q: Will the view looking out be distorted?  
 A: No. Looking out to enjoy your view will be optically perfect.

Q: Is it safe to tint Low E glass?  
 A: Yes, provided the correct film selection is chosen.

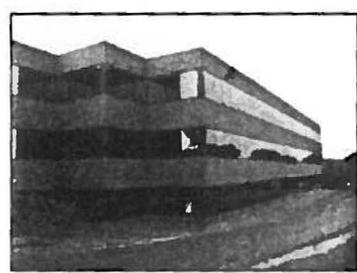
Q: If there are seals in the windows with condensation, will the tint hide this?  
 A: Yes, to some degree. We carry decorator films that can hide this well with the use of design patterns.

Q: Will solar glass film stop the fading of my interior furnishings?  
 A: Yes, to a point. By applying a window covering that cuts out the UV-A & B rays, solar glass film cuts out the majority of heat, as well as some of the light. You can add as much as 8-15 years to your furnishings depending on factors such as quality of dyes.

**Click here for a free estimate**  
 Our commercial customers see us within minutes after their inquiry. Our fleet service gives us the opportunity to tint your home or office within days of our appointment.

About commercial services

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# Connecticut Precast Corp.

Manufacturers of Concrete Products

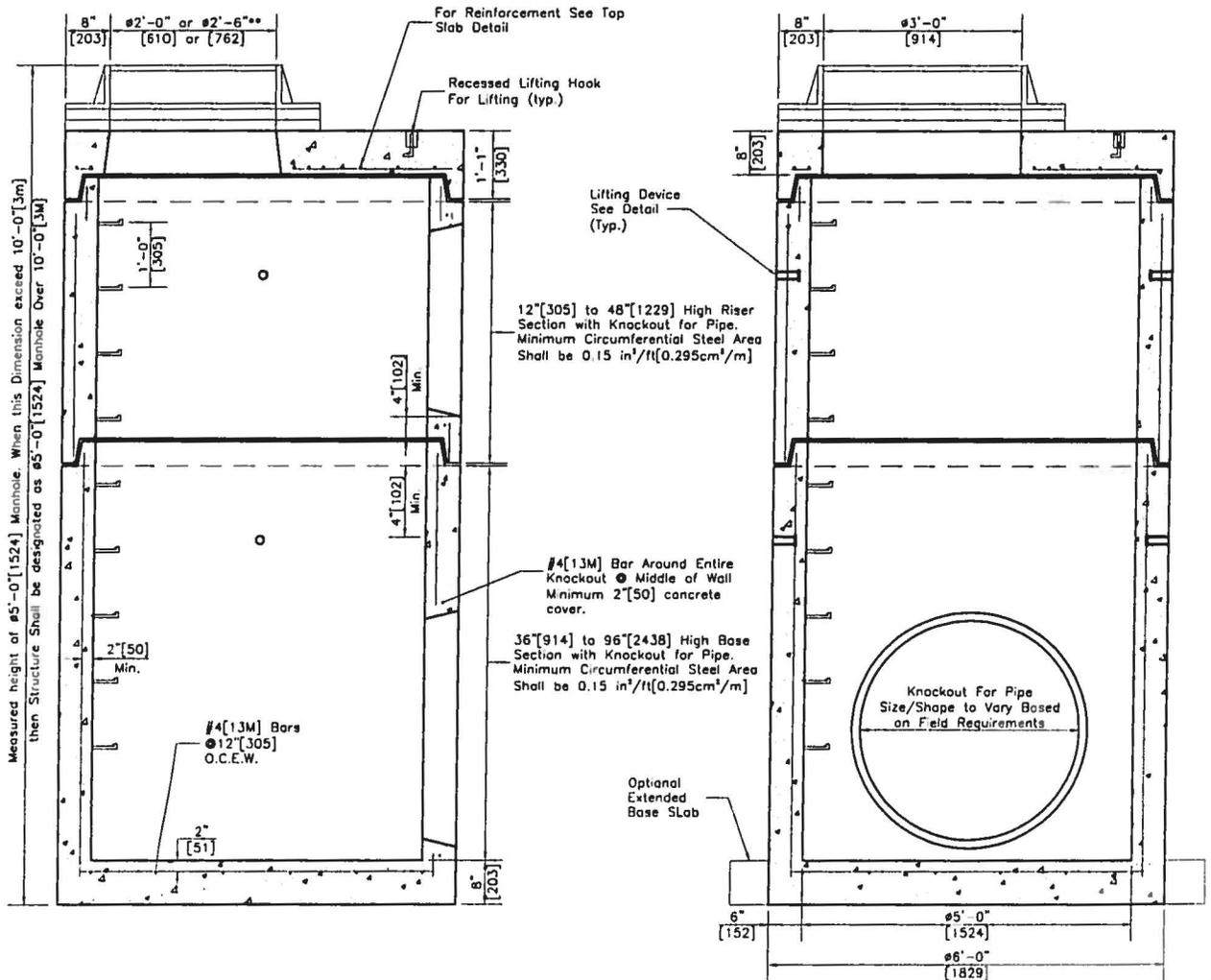
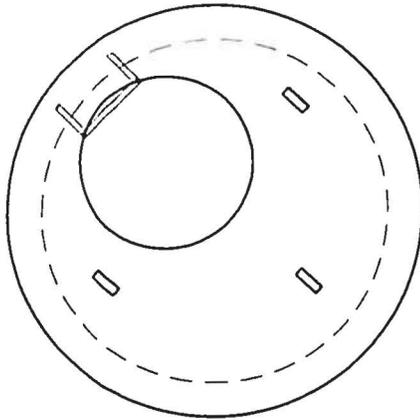
555 Fan Hill Road, Monroe, CT 06468  
Telephone (203) 268-8688 Fax (203) 452-1007

www.ctprecast.com

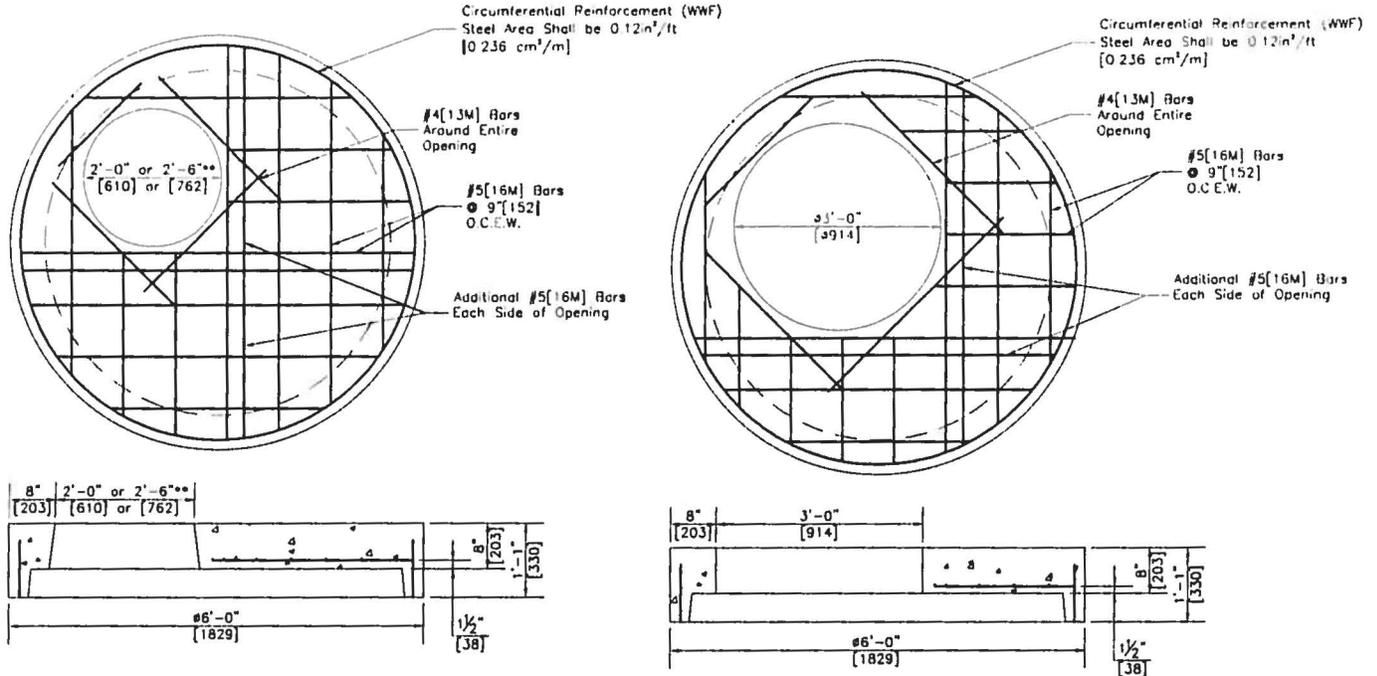
## Manholes 60"[1524] Diameter

PRECAST CONCRETE  
W/STRAIGHT BASE SLAB  
TOP SLAB CONSTRUCTION

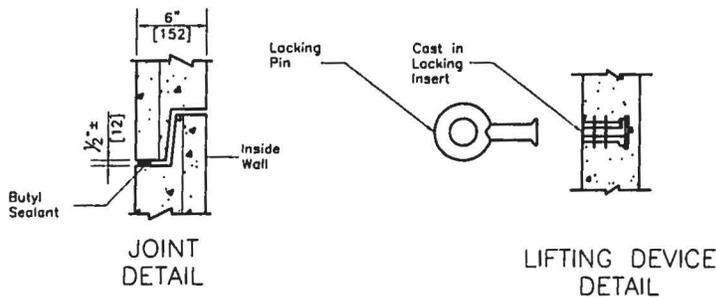
Manholes  
C1001



# PRECAST CONCRETE 60"[1524] DIAMETER



Custom Openings or Hatchways can be cast  
into top slabs if desired.



PRODUCT WEIGHTS		
UNIT	HEIGHT (in/[mm])	WEIGHT (lbs[kg])
BASE SECTION	36"[914]	6,700[3,043]
	48"[1219]	8,000[3,633]
	54"[1372]	8,650[3,928]
	60"[1524]	9,300[4,223]
	72"[1828]	10,600[4,814]
	84"[2133]	11,900[5,404]
	96"[2438]	13,200[5,995]
RISERS	12"[305]	1,300[590]
	24"[610]	2,600[1,180]
	36"[914]	3,900[1,771]
	48"[1219]	5,200[2,360]
FLAT TOP SLAB	24"[610] Open	2,750[1,249]
	30"[762] Open	2,550[1,158]
	36"[914] Open	2,350[1,067]

## NOTES:

1. Minimum Concrete Compressive Strength = 4,000PSI[27,580kPa] shall be obtained prior to shipping.
2. Product conforms to ASTM C478 and AASHTO M199 Specifications.
3. Steel bar reinforcement shall conform to ASTM A615, Grade 60 with a minimum clear cover of 2"[50].
4. Steel welded wire fabric (WWF) reinforcement shall conform to ASTM A185. Minimum circumferential steel area shall be 0.15 in<sup>2</sup>/ft[0.295 cm<sup>2</sup>/m] as per ASTM C478.
5. All pipe openings to be closed by Contractor using materials conforming to CTDOT Standard Specification M.08.02.
6. Butyl joint sealant shall conform to ASTM C990 and/or AASHTO M198.
7. Knockouts for pipe openings shall be placed at the required location and height for project. There shall be a minimum 4"[102] distance between knockout and bottom or top of base/riser section. Steel reinforcement shall have minimum 2"[50] clear concrete cover. Maximum size of knockout may be govern by height of required base/riser section.
8. Flexible boot connections may be requested for pipe to manhole connections. Pipe size and type to be specified.
9. Wall thickness will not change for structure depth over 10'-0"[3M] deep.
10. An asphaltic coating can be applied to exterior surfaces of structure if required.

\*\*=Nominal Dimension. Slight variation in dimensions may occur due to tapering for manufacturing purposes.



November 24, 2014

**TRUMBULL HIGH SCHOOL  
Trumbull, Connecticut**

**CAFETERIA SOUND SYSTEM PROPOSAL**

*I-T-S* will provide the following audio equipment:

2	PG59XLR	Shure	General Vocal Mics w/ 50' Cable
2	MS7700	OnStage	Mic Floor Stands
2	WPE101/2	ProCo	Remote Hardwired Mic Inputs
2	SLX24/SM58	Shure	Wireless Handheld Wireless Mic Systems
1	UA844	Shure	Antenna Distribution System w/ Antennas
1	MLM65	Rane	Mic/Auxiliary Mixer
1	CD200iL	Tascam	CD-iPod Play Back Deck
1	DFR22	Shure	Feedback Controller
1	CDi2000	Crown	Power Amplifier
1	LWR1619	Lowell	Wall Mount Equipment Cabinet w/Door
1	ACR2009	Lowell	Power Control Panel
24	Control26CT	JBL	Ceiling Speaker Assemblies
Lot	miscellaneous hardware, wire race, wire, etc.		

including the labor to complete above installation (Trumbull School to provide any required 120vac power), programming, testing, and complete user orientation for the investment of: **\$19,540.00**

***ADA Hearing Impaired System:***

*I-T-S* will provide the following audio equipment:

1	PPA457Pro	Williams	Hearing Impaired System for 625 capacity
Total system includes:			
24	R37		Receivers w/Battery & Ear Bud
6	NKL001		Neck Loop Interface for above receivers

including the labor to installation, programming, testing, and complete user orientation for the investment of: **\$3,993.00**

Warranty: One year parts and labor from date of substantial completion (service provided during normal business hours).

This quotation is subject to applicable taxes. This quotation is valid for 30 days.

*Alec Karacsonyi*



Fixture Type:

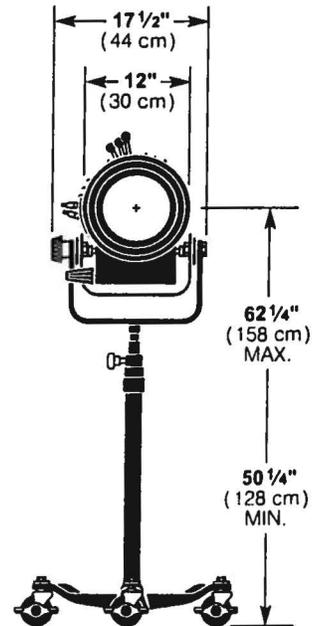
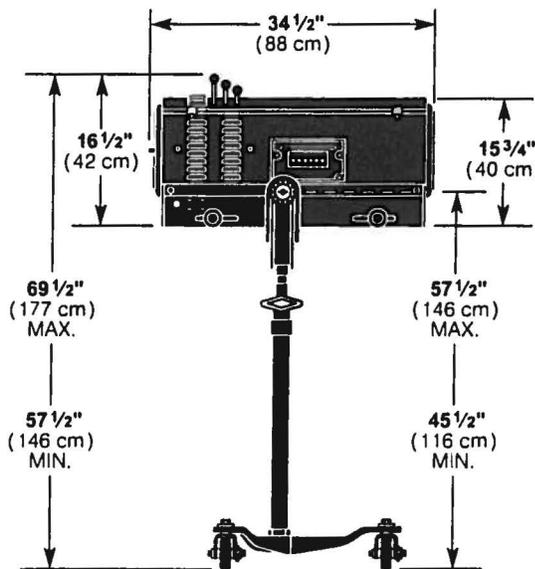
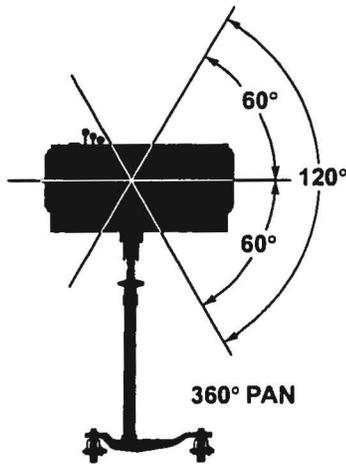
A ruggedly constructed medium to long throw follow spot, the Comet produces a narrow, hard or soft edged beam which zooms from 2.3 degrees to 12.2 degrees. With top mounted iris, shutter, and dimmer control handles, this easy to use follow spot is designed to use the unique high performance FLE, ENX and FXL quartz halogen lamps. The Comet can be used in any application where manual control of a lighting beam is required to follow a performer and to vary beam size, quality and color.

Specifications subject to change without notice

**360/410 Watt  
COMET  
Follow Spot  
Features**

- Sheet steel and die-cast aluminum construction
- Top operated framing, iris, and dimmer controls
- Spring loaded self-canceling color boom with douser
- Dual adjustable lenses
- Positive locking pan and tilt adjustment
- Adjustable castored stand with cable hook included
- High performance lamp
- Removable 25' power cable
- U.L. and c.U.L. listed for 410 watts
- Made in the USA

PAN AND TILT ANGLES:



**Specifications**

**Housing:** Sheet steel and die-cast aluminum construction.

**Materials:** Construction employs all corrosion-resistant materials and hardware.

**Yoke:** 1/4" flat steel with locking dog tilt handle.

**Lenses:** All lenses are high purity crown glass (white plate).

**Socket:** Miniature 2-pin, G5.3. Lamp ejector level provided, tool free relamping.

**Rating:** Input - 120 VAC, 4.0 amps max. (220-240 VAC, 50/60 Hz units available.)

**Control Switches:** Two 120 VAC, 20 amp toggle switches provided for POWER and LAMP

**Transformer:** 410VA magnetic, Class B, 82 volt secondary.

**Circuit Protection:** 7 amp, magnetothermal, push-button resettable circuit breaker.

**Cooling:** Forced air cooling. two low noise fans, both provided with finger guards.

**Iris:** 18 leaf, high grade stainless steel. Top operated, provided with heat resistant knob.

**Color Changer:** 6 frame, self canceling color boom allows for single or multiple colors to be inserted into beam path. Color changer removable without the use of tools.

**Douser:** Allows for instantaneous blackout and incorporated into self canceling color boom.

**Dimmer:** Mechanical, heat resistant brass, three leaf type. Top operated, provided with heat resistant knob.

**Cable:** Detachable 25' 14/3 SOW provided with male edison plug.

**Shutters:** 2 leaf, 18 gauge stainless steel. Top operated, provided with heat resistant knob.

**Access Door, Rear:** Hinged, allows access to lamp for adjustment or replacement.

**Access Door, Top:** Hinged, allows access to lenses for cleaning and carriage rods for cleaning and lubricating.

**Lamp:** 410 watt maximum, 82 volt MR-16 type.

**Focusing, Lamp:** Fully adjustable with three alignment screws.

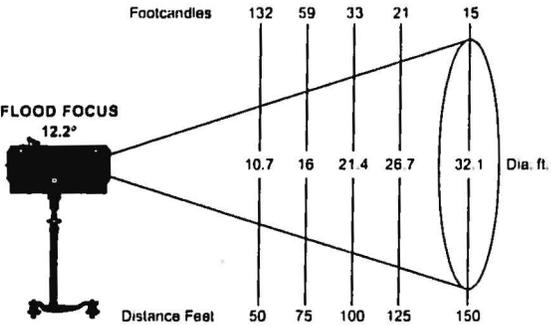
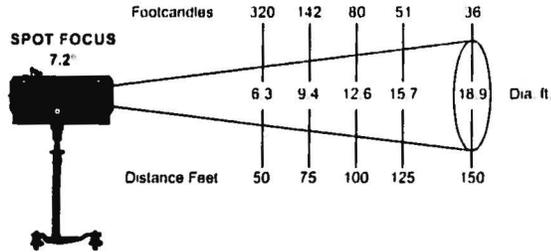
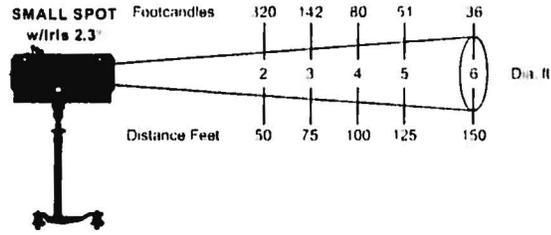
**Focusing, Fixture:** Dual zoom lens carriers travel along zinc plated steel guide rails, each lens carrier provided with lock knob.

**Stand:** Three legged stand is height adjustable (12" maximum), each leg provided with wheel and wheel lock. Height adjustment lock allows for 360° continuous pan. Cable hook also included.

**Finish:** Black epoxy sandtex, electrostatic application.

**Weight:** Approx; 55 lbs. (24.8 kg.) for lamphouse.  
Approx; 36 lbs. (16.2 kg.) for stand (base, yoke, and support column).  
Total net weight approx; 91 1/2 lbs. (41.2 kg.)

Comet Follow Spot



Photometric Data for FLE Lamp

**COMET PERFORMANCE CHART WITH FLE LAMP**

Fixture Type	Focus	Candlepower (Candela)	Beam Angle (Degrees°)	Field Angle (Degrees°)
COMET	Small Spot w/Iris	800,000	2.3°	1.8°
	Spot	800,000	5.1°	7.3°
	Flood	330,000	7.6°	20.0°

**LAMP DATA**

Watts	Volts	ANSI Code	Color Temp°	Rated Life (Hours)	Correction Factor
360	82	FLE	3,300	75	1.0
360	82	ENX	3,300	75	.60
410	82	FXL	3,300	38	1.1

**ACCESSORIES Supplied with Luminaire**

90-FLE	360 Watt, 82V, MR-16 Lamp
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