			SECTION 00 31 46 PERMITS	
PART 1 – GENERAL				
1.1. SUMMARY				
1	2.		NCES	
	3.		AL CONTRACTORS REQUIREMENTS	
	-		S – THIS SECTION NOT USED	
			N – THIS SECTION NOT USED	
PART	1 – G	ENERAL		
1.1.		/MARY		
	Α.		project has varying requirements for permits, inspections, and fees based on the scope, size, and location	
		•	project.	
	В.	dem	City of Madison (Owner) is subject to all permits, inspections and associated fees for construction, olition, utility connection, storm water management, and other similar requirements that may be required	
			mplete the scope of work associated with these contract documents.	
	C.		Prime Contractor (PC) shall be responsible for obtaining all permits, inspections and paying for all associate	
		fees	unless specifically identified within this specification.	
1.2.				
	Α.		ollowing references are not intended to be all inclusive. It shall be the PC's responsibility to determine all	
	п		irements based on the scope of work in the contract documents.	
	В.		of Madison Ordinances: Review all ordinances that may require a permit or fee that may be connected w	
			uired permit. Contact the following City Agencies to determine the exact requirements during bidding	
		1.	Building Inspection	
		2.	Zoning	
		3.	Engineering	
		4.	Water Utility	
		5.	Traffic Engineering Others as may be specified by the contract desumants	
		6. State	Others as may be specified by the contract documents.	
	B.		s Statutes r Regulations Regulations	
	C.		r Regulatory Regulations	
	D.		r Agencies or companies that may have related requirements	
		1.	Madison Metropolitan Sewerage District	
		2.	Local gas and electric utility companies Other utility companies	
		3.	Other utility companies	
1.3.	GFN	IERAI CO	ONTRACTORS REQUIREMENTS	
	A.		PC shall be responsible for all of the following:	
		1.	Execute application for all required permits as may be required by the scope of work described within t	
			contract documents.	
		2.	Paying all fees associated with the application of any required permits.	
		3.	Scheduling all required inspections that may be conditions of any required permits.	
	В.	-	PC shall provide high quality scanned images of all required permits and inspections to the City Project	
			ager (CPM).	
<u>PART</u>	2 – PI	RODUCT	S – THIS SECTION NOT USED	
PART	3 – E)	ECUTIO	N – THIS SECTION NOT USED	
			END OF SECTION	

1			SECTION 01 60 00					
2								
3 4	PART 1 – GENERAL							
5		-	MARY					
6			ATED SPECIFICATIONS					
7			ALITY ASSURANCE					
8	PART	2 – PRODU	JCTS – THIS SECTION NOT USED					
9	PART	B - EXECU	TION					
10	3	.1. GEN	VERAL CONTRACTOR REQUIREMENTS					
11	-	-	LK MATERIAL					
12	-	-	Y PACKAGED MATERIAL					
13	-		SUCTURAL AND FRAMING MATERIAL					
14 15	-	•	JIPMENT					
16		-	CTWORK, PIPING, AND CONDUIT					
10	-		/NER PROVIDED, CONTRACTOR INSTALLED EQUIPMENT					
18	U							
19	PART	1 – GENEF	RAL					
20								
21	1.1.	SUMMA	RY					
22			he purpose of this specification is to provide general guidelines and responsibilities related to the receiving,					
23			andling, and storage of all materials and products from arrival on the job site through installation.					
24			. Immediate inspection of delivered goods means a timely replacement if damaged.					
25			Proper storage helps prevent damage and loss by weather, vandalism, theft, and job site accidents.					
26 27		-	 Proper storage helps with job site performance and safety. Proper handling helps prevent damage and job site accidents. 					
27			Each Contractor shall be directly responsible for the receiving, handling, and storage of all materials and					
29			products associated with the Work of their Division or Trade.					
30		•	Each Contractor responsible for Work associated with Owner provided materials or products shall be responsible					
31			or the receiving, handling and storage of the material/product as outlined in Section 3.8 below.					
32 33	1.2.	RELATED	D SPECIFICATIONS					
34		A. P	Parts of this specification will reference articles within "The City of Madison Standard Specifications for Public					
35		V	Vorks Construction".					
36		1	Use the following link to access the Standard Specifications web page:					
37			http://www.cityofmadison.com/business/pw/specs.cfm					
38			a. Click on the "Part" chapter identified in the specification text. For example if the specification					
39			says "Refer to City of Madison Standard Specification <u>2</u> 10.2" click the link for Part II, the Part II					
40			PDF will open.					
41 42			 Scroll through the index of Part II for specification 210.2 and click the text link which will take you to the referenced text. 					
43			c. City Standard Detail Drawings (SDD) may be located from the index in Part VIII.					
44		B. S	ection 01 74 13 Progress Cleaning					
45			ection 01 76 00 Protecting Installed Construction					
46			Other Divisions and Specifications that may address more specifically the requirements for the storage and					
47		h	andling of materials and products associated Work of other Divisions or Trades.					
48								
49	1.3.	QUALITY	Y ASSURANCE					
50			he Contractors shall be responsible for ensuring that these minimum storage and handling requirements are					
51			net by all contractors on the project site including but not limited to the following:					
52		1	. Receiving deliveries of materials, products, and equipment.					
53 E4			 Inspect all deliveries upon arrival for damage, completeness, and compliance with the construction documents 					
54 55			construction documents. i. Deliveries shall remain in original packaging or crates, shipping manifest shall be kept with					
55 56			the delivery and the packaging shall have visible identification of the items within the					
57			packaging.					
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b. Immediately report any damaged products or equipment to the CONTRACTORS, begin arrangements for immediate reportement. C. Materials or equipment that have been damaged, are incomplex, or do not comply with the construction documents shall not be permitted to be installed. C. All materials and products shall be stored within the designated limits of the project site. Don's store the amount of material necessany for upcoming operations as and to interfere with other construction activities and access to Work by the Owner and Engineer. Any offste storage shall be at the expense of the contractor storing the material or product. All offste storage requirements shall comply with this specification. All offste storage of materials is subject to Owner Representative Quality Management review at any time. J. Large storage containeers may be used but shall be weather tight, securable, placed on concrete blocks, timbers, or jack stands and shall be level. J. When lifting enquipment is required the equipment rating shall be greater than the loading requirements of the tem being liftid. In addition all of the following: J. Storage shall not be allowed to impede the flow of work in progress. J. Storage shall not be allowed to impede the flow of work in progress. J. Storage shall not be allowed to impede the flow of work in progress. J. Storage shall not be allowed to their consplicted work from review and inspections. L. All materials and products shall be according the manufactural components it is being stored upon. J. All materials and products shall be revent bending. J. Storage shall not be allowed to hide consplicted berefield work in progress. J. Storage shall not be allowed to impede the flow of work in progress. J. Storage shall not be allowed to impede the flow of work in progress. J. Storage shall not be allowed to hide consplicted work in progress. J. Storage shall not be allowed to hide consplicted work in pr					
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10 review at any time. 11 3. Large storage containers may be used but shall be weather tight, securable, placed on concrete blocks, timbers, or jack stands and shall be level. 13 4. When lifting equipment is required the equipment rating shall be greater than the loading requirements of the tem being lifted. In addition all of the following shall apply as necessary: 15 a. Only designated and/or designed lift points shall be used. 16 b. Large items shall note allowed to prevent bending. 17 c. Lift at multiple points as needed to prevent bending. 18 5. Materials and products stored inside of the structure shall comply with all of the following: 19 a. Storage shall not be allowed to hide completed work from review and inspections. 21 c. Storage shall not exceed the design loads of the structural components it is being stored upon. 22 6. All materials and products shall be stored according the manufacturers minimum recommended 23 requirements. All of the following ishall be considered before storing any product or material: 24 a. Dust and dirt 25 b. Moisture and humidity, including rain and snow 26 c. Eveentile mathy inductin products such as corrosiveness, chemical re					
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 a. Dust and dirt b. Moisture and humidity, including rain and snow c. Excessive temperatures, direct sun, etc d. Product or material weight and size e. Potential for breakage f. Product incompatibility with other products such as corrosiveness, chemical reactions, flammability, etc. g. Product in or material value and replacement cost 7. The Contractors shall be responsible for providing fully functional tarps or plastic wrap, to protect materials and products from the weather. All coverings shall be free of large holes and tears, and shall be tied, strapped, or weighted down to resist blowing. 8. The Contractors shall be responsible for any temporary heating, cooling, or other utility requirement that may be associated with the storage of a material or product. 9. The Contractors shall be responsible for save timporary heating, cooling, or other utility requirement that may be associated with the storage of a material or product. 9. The Contractors shall be responsible for save timporary heating, cooling, or other utility requirement that may be associated with the storage of a material or product. 9. The Contractors shall be responsible for securible shipping containers, job trailers or other such storage devices. Container shall be kept secured when not in use. 8. The Contractors shall inspect the job site daily to ensure that all products and materials stay weather tight and are secured against vandalism or thet as required by this specification. C. The Owners Representative may at any time request improvements regarding storage of any material or product being provided under these construction documents. PART 2 – PRODUCTS – THIS SECTION NOT USED A. Designate material storage and handling areas as needed including all of the following: 1. Designate specific areas of the site				0.	
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57 be appropriately sized to include the use of booms, slings, and other such lifting devices that may be larger than					
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1		1.	When openings are required in completed Work (new or existing) the Contractors shall be responsible for
2			providing an appropriate opening and for restoring the opening to the original or better condition upon
3		C Don	completion. Restoration shall be weather tight and complete.
4 5			eated moving and handling of items being stored shall not be allowed. The Contractors shall be responsible any damage and replacement because of mishandling or excessive handling.
6		101	any damage and replacement because of mismanding of excessive nationing.
7	3.2.	BULK MAT	ERIAL
8	-		k material such as sand, gravel, top soil and other types of fill shall be stored away from the construction area
9		and	shall be stock piled as follows:
10		1.	All bulk material shall be piled safely and efficiently in as small an area as practical. Only store the
11			amount of material necessary for upcoming operations so as not to interfere with other construction
12			activities and access to Work by the Owner and Engineer.
13		2.	All stock piles shall have silt fence/sock properly installed around the perimeter to prevent erosion and
14 15			loss of material. Refer to City of Madison Standard Specification Section 210.1(f) and other related
15 16		3.	specification or details. Fine grained material shall be protected with tarps to prevent blowing. Tarps shall be weighted or staked
10		э.	to stay in place.
18		B. Bull	k material such as brick, concrete block, stone, and other palletized materials shall be stored on original
19			pping pallets until ready for use.
20			
21	3.3.		AGED MATERIAL
22			packaged material such as cement, mortar, etc shall be stored on pallets, on slightly elevated ground or clear
23		stor	ne pad to keep water away from the base of the material being stored. Protect from moisture.
24 25	3.4.	STRUCTUR	AL AND FRAMING MATERIAL
26	J. 4 .		structural and framing material shall be stored in an organized manner arranged by type, size and dimension.
27			terials shall be stored on pallets or timbers as necessary and shall not be allowed to lie directly on the ground.
28			g and heavy items shall be supported at several points to prevent bending and warping.
29			
30	3.5.	EQUIPMEN	
31	3.5.	A. Equ	ipment delivered to the site shall be stored away from all construction activities until the item can either be
31 32	3.5.	A. Equ mov	ipment delivered to the site shall be stored away from all construction activities until the item can either be ved inside or properly installed.
31 32 33	3.5.	A. Equ mov B. Equ	ipment delivered to the site shall be stored away from all construction activities until the item can either be ved inside or properly installed. ipment shall be stored on slightly elevated ground or clear stone pad to keep water away from the base of
31 32 33 34	3.5.	A. Equ mov B. Equ	ipment delivered to the site shall be stored away from all construction activities until the item can either be ved inside or properly installed.
31 32 33	3.5. 3.6.	A. Equ mov B. Equ	ipment delivered to the site shall be stored away from all construction activities until the item can either be ved inside or properly installed. ipment shall be stored on slightly elevated ground or clear stone pad to keep water away from the base of equipment.
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31 32 33 34 35 36 37 38		A. Equ mov B. Equ the FINISH PRC A. Fini not	 ipment delivered to the site shall be stored away from all construction activities until the item can either be ved inside or properly installed. ipment shall be stored on slightly elevated ground or clear stone pad to keep water away from the base of equipment. DDUCTS sh products such as flooring, tile, counters, lockers, toilets, partitions, lighting, and other similar items should be delivered and stored until the structure has been enclosed, is weather tight, temperature controlled and
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 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 	3.6.	A. Equ mov B. Equ the FINISH PRC A. Fini not the 1. B. Pro time C. Pro add 1. 2. 3. DUCTWOR A. All p Trac 1. 2. 3. B. All c man	 ipment delivered to the site shall be stored away from all construction activities until the item can either be ved inside or properly installed. ipment shall be stored on slightly elevated ground or clear stone pad to keep water away from the base of equipment. DDUCTS sh products such as flooring, tile, counters, lockers, toilets, partitions, lighting, and other similar items should be delivered and stored until the structure has been enclosed, is weather tight, temperature controlled and contractor is ready for such items to be installed. Storage of finished products outside for any length of time shall not be allowed. ducts that cannot be stored inside the structure shall be stored in secured containers or job trailers until such e as they are ready to be installed. ducts with a high potential for breakage such as glass, mirrors, tiles, toilet fixtures, etc. shall be stored with litional protection as necessary such as but not limited to the following: Store in original shipping containers until ready for installation. Do not store in high traffic areas. Shield with other materials such as cardboard, plywood, or similar products. K, PIPING, AND CONDUIT biping and conduit shall be stored horizontally unless otherwise specified by the manufacturer or Division and de Specifications. Do not store directly on grade. Cover metal pipes and tubes to prevent rust and corrosion, allow ventilation to prevent condensation. Whenever possible use pipe stands for storing pipe and conduit to prevent tripping and rolling hazards. ductwork shall be stored horizontally or vertically as necessary unless otherwise specified by the manufacture or low shall hazards.
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1			2. After installation, free/open ends shall remain protected with taped plastic sheathing and or temporary
2			filters as specified by division or Trade specifications.
3			
4	3.8.	OWN	ER PROVIDED, CONTRACTOR INSTALLED EQUIPMENT
5		Α.	Section 3.8.A. shall apply to all equipment being provided to any contractor directly from the Owner for
6			installation under the contract.
7			1. The Owner or Owners Representative shall do the following:
8			a. Inspect all deliveries upon receipt and notify manufacturer of any issues directly.
9			b. Review the received shipment with the contractor.
10 11			 Only provide products or materials to the contractor that were not damaged through shipping or handling.
12			ii. Confirm missing products or materials and anticipated delivery schedule if known.
13			2. The Contractor responsible for the installation of Work associated with Owner provided materials or
14			products shall "take ownership" and provide safe and secure storage and handling as previously
15			described within this specification.
16			i. The Contractor shall be liable for the repair or replacement of any material or product
17			damaged after taking ownership of the product from receipt through final acceptance.
18		В.	Section 3.8.B. shall apply to all equipment being provided by the Owner but shipped directly to any sub-
19			contractor or the project site for installation under the contract.
20			1. The Contractors responsible for the Work associated with the Owner provided materials or products shall
21			do the following:
22			a. Inspect all deliveries upon receipt and notify the Owner or Owners Representative of any issues
23			directly.
24			i. Owner or Owners Representative shall notify manufacturer of any issues directly.
25			b. Review the received shipment with the Owner or Owners Representative
26			i. Confirm missing products or materials and anticipated delivery schedule if known.
27			2. The Contractor shall "take ownership" and provide safe and secure storage and handling as previously
28			described within this specification.
29			i. The Contractor shall be liable for the repair or replacement of any material or product
30			damaged after taking ownership of the product from receipt through final acceptance.
31			
32			
33			
34			END OF SECTION
35			

1 2 3			SECTION 01 74 13 PROGRESS CLEANING
	PΔRT	1 – G	ENERAL
5		1.1.	SUMMARY
6		1.2.	RELATED SPECIFICAITONS
7	-	1.3.	QUALITY ASSURANCE
8	PART	2 - PR	ODUCTS
9	-	2.1.	CLEANING MATERIALS AND EQUIPMENT
C	PART	3 - EX	ECUTION
1	3	3.1.	SAFETY CLEANING
2	3	3.2.	PROJECT SITE CLEANING
3		3.3.	PROGRESS CLEANING
4		3.4.	FINAL CLEANING
5 6	3	3.5.	CALL BACK WORK
7 8	<u>PART</u>	1 – G	ENERAL
	1.1.	SUN	/MARY
0		Α.	Throughout the execution of this contract all contractors shall be responsible for maintaining the project site in a
1		_	standard of cleanliness as described in this specification.
2		В.	All contractors shall also comply with the requirements for cleaning as described in other specifications.
3		C.	Work included in this specification shall include but not be limited to:
4 5			 Safety Cleaning Project Site Cleaning
5			3. Progress Cleaning
7			4. Final Cleaning
, 8			
9	1.2.	REL	ATED SPECIFICAITONS
0		Α.	Section 01 60 00 Product Requirements
1		В.	Section 01 74 19 Construction Waste Management and Disposal
2		C.	Section 01 76 00 Protecting Installed Construction
3			
4	1.3.	-	ALITY ASSURANCE
5		Α.	The Contractor shall conduct daily inspections, more often if necessary, of the entire project site to ensure the
5			requirements of cleanliness are being met as described within these specifications.
7		В.	All contractors shall comply with other regulatory requirements as they apply to waste recycling, reuse, hauling,
3		c	and disposal requirements of any governmental authority having jurisdiction. The Owner reserves the right to have work done by others in the event any contractor fails to perform cleaning
))		C.	as described within these specifications. The cost of any Owner provided cleaning shall be charged to the
L			contractor through a deduct change order.
2			
3	PART	2 - PF	CODUCTS
4			
5	2.1.	CLE	ANING MATERIALS AND EQUIPMENT
6		Α.	The Contractor shall provide all required personnel, equipment, and materials necessary to maintain the
7			required level of cleanliness as described in this specification.
8		В.	Use only cleaning materials and equipment that are compatible with the surface being cleaned, as
9			recommended by the manufacturer, or as approved by the A/E.
)		C.	Use only cleaning materials, equipment, and methods as recommended in the manufacturers care and use guide
1			of the material, finish or equipment being cleaned.
2	D • • • •	-	
	PART	3 - E)	(ECUTION
4 5	3.1.	¢۸۵	ETY CLEANING
5	J.1.	A.	All Contractors shall be responsible for safety cleaning as required by OSHA and other regulatory requirements
7		73.	as applicable.
, 8		В.	Safety Cleaning shall include but not be limited to the following:

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1			1. All work areas, passageways, ramps, and stairs shall be kept free of debris, scrap materials, pallets, and
2			other large items that would obstruct exiting routes. Small items such as tools, electrical cords, etc are
3			picked up when not in use.
4			 Form and scrap lumber shall have nails/screws removed or bent over. Lumber shall be neatly stacked in
5			an area designated by the Contractor.
6			 Spills of oil, grease, and other such liquids shall be cleaned immediately or sprinkled with sand/oil-dry
7			first, then cleaned.
8			 Oily, flammable, or hazardous items shall be stored in appropriate covered containers and storage
° 9			
			devices unless actively being used.
10			5. Oily, or flammable rags, and other such waste shall only be disposed of in authorized covered containers.
11			6. Disposal by burning shall not be allowed at any time.
12	~ ~	0001	
13	3.2.		ECT SITE CLEANING
14 15		Α.	This section applies to the general cleanliness of the project site as a whole for the duration of the execution of
15			this contract.
16		В.	Exterior Project Site Areas
17			1. The Contractor as appropriate shall ensure the following levels of cleanliness are applied to the exterior
18			project site areas.
19			a. The overall appearance of the project site is neat and orderly. Defined areas for material storage,
20			material waste, job trailers, and the project area are clean and well maintained.
21			b. The construction fence is maintained, erect with no gaps, and properly posted per all regulatory
22			requirements.
23			c. All erosion control measures are properly maintained, cleaned, and repaired as necessary.
24			d. All loose materials (construction or waste) are properly tied or weighted down to resist blowing.
25			e. All construction materials are properly covered with fully functional tarps or plastic wrap,
26			protected from the weather, coverings are tied, strapped, or weighted down to resist blowing.
27			f. Dust control is applied as necessary or as required by any regulatory requirement.
28		C.	Interior Project Site Areas
29			1. All Contractors shall ensure the following levels of cleanliness are applied to the interior project site
30			areas.
31			a. The overall appearance of the project site is neat and orderly. Defined areas for material storage,
32			material waste, and project area are clean and well maintained.
33			b. Stored materials are kept in original shipping containers whenever possible. Stored materials not
34			in shipping containers are properly stored and protected according to other applicable
35			specifications.
36			c. All scraps and debris shall be properly disposed of as often as necessary to keep work areas,
37			passageways, stairs, and ramps free of debris and clear for emergency exiting.
38			d. Boxes, pallets, and other such shipping containers, are broken down, stored in a consolidated area
39			or, disposed of as often as is necessary.
40			e. Hand tools, supplies, materials, electrical cords not being used are picked up and sptored in gang
41		_	boxes, not left as walking hazards in work areas, passageways, etc.
42		D.	Job Trailer
43			1. The interior of the job trailer shall be kept clean and available as a work space at all times. The
44			Contractor shall ensure that the following is provided for within the job trailer:
45			a. Meeting space including tables and chairs.
46			b. Sufficient space for all contractors to access the official construction documents, provide updates,
47			etc.
48		_	
49	3.3.		GRESS CLEANING
50		А.	This sub-section shall apply to all Progress Cleaning prior to the installation of finishes, fixtures, and trim (IE
51			rough-in).
52			1. For the purposes of this section "clean" shall be defined as a level of cleanliness free of dust and other
53			material capable of being removed by use of reasonable effort using a good quality janitor broom and
54			shop-vac.
55			2. Daily cleanings shall be conducted by all contractors at the end of the work day as follows:
56			a. Debris in excavated areas shall be removed prior to backfill and compaction.
57			b. Debris in wall cavities, chase spaces, etc shall be removed prior to enclosing the spaces.
58			c. Large items shall be properly stored, returned to designated areas, or disposed of as necessary.

1			
			d. Loose materials shall be properly secured.
2			e. Flammable or hazardous materials are properly stored or disposed of.
3 4			3. Weekly cleaning shall be conducted by all contractors as designated by the Contractor. Weekly cleanings shall include all the above for a daily cleaning and other necessary cleaning as designated by the
5			Contractor.
6		В.	This sub-section shall apply to Progress Cleaning in preparation for the installation of finishes, fixtures, and trim.
7		Б.	a. Surfaces receiving finishes shall be thoroughly cleaned prior to contractors applying finish
8			materials. The Contractor shall be responsible for inspecting the area and surfaces being cleaned
9			for finish prior to the sub-contractor applying the finish. This shall include but not be limited to
10			the following:
11			i. Wall surfaces shall be wiped clean of dirt and oily residues, vacuumed free of dust, and
12			shall be free of surface imperfections prior to painting or installing wall coverings.
13			ii. Metal surfaces shall be wiped clean of dirt and oily residues, and be free of surface
14			imperfections prior to painting.
15			iii. Flooring shall be broom swept of large and loose items then vacuumed clean of dust and
16			small particles, and damp mopped clean and dried prior to installing any flooring finish.
17			Additional cleaning may be required depending on the preparation requirements
18			recommended by the flooring material manufacturer.
19		C.	This sub-section shall apply to Progress Cleaning after the installation of finishes, fixtures, and trim.
20			1. For the purposes of this section "clean" shall be defined as a level of cleanliness free of dust and other
21			material capable of damaging or visually disfiguring finished work, finishes, fixtures, and trim.
22			2. Progress Cleaning at this point in the contract shall be conducted immediately as follows:
23			a. Dust, dirt, etc shall be swept and vacuumed off of finish flooring and trim.
24 25			b. Liquid spills shall be cleaned up according to the spill type. This shall include drips and spills
25 26			caused by paint, stain, sealants, and other such items. 3. The Contractor(s) at no additional cost to the Owner shall be responsible for replacing any finished work,
20			3. The Contractor(s) at no additional cost to the Owner shall be responsible for replacing any finished work, finishes, fixtures, and trim damaged or disfigured because of inadequate or improper cleaning.
28			
29	3.4.	FINA	. CLEANING
30		Α.	As noted in Specification 01 29 76 Progress Payment Procedures, Progress Payment Milestone Schedule, Final
31			Cleaning shall not be conducted prior to requesting the 90% contract total progress payment and all of the
32			following shall be complete:
33			1. All final regulatory inspections including but not limited to Building Inspection Department and Madison
34			
35			Fire Department inspections have been successfully completed.
55			
35 36			Fire Department inspections have been successfully completed.
36 37			 Fire Department inspections have been successfully completed. All Quality Management Observation (QMO) reports have been closed out. All Demonstration and Training has been completed. All Attic Stock has been consolidated and located to its designated area
36 37 38			 Fire Department inspections have been successfully completed. All Quality Management Observation (QMO) reports have been closed out. All Demonstration and Training has been completed. All Attic Stock has been consolidated and located to its designated area All protection for installed construction shall be removed prior to final cleaning by the contractor
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36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54		C.	 Fire Department inspections have been successfully completed. All Quality Management Observation (QMO) reports have been closed out. All Demonstration and Training has been completed. All Attic Stock has been consolidated and located to its designated area All protection for installed construction shall be removed prior to final cleaning by the contractor responsible for providing the protections. This shall include the removal of any adhesive residues left behind from tapes. Contractors shall only use manufacturer authorized cleaning materials for removing adhesives, etc. For the purposes of this section "clean" shall be defined as a level of cleanliness generally provided by skilled cleaners using commercial quality building maintenance equipment and materials. The Contractor shall be responsible for ensuring that all requirements under this section are being met. General Requirements Employ experienced personnel or professional cleaners for final cleaning as necessary for the areas or equipment being cleaned. Cleaning equipment used shall be cleaned, rinsed, or replaced to ensure a uniform level of cleanliness is being maintained during the final cleaning. This shall include but not be limited to the following: a. Vacuum cleaner bags and/or filters are changed and/or cleaned as often as necessary. b. Dust & wipe down rags are washed, rinsed, or replaced before starting each room. Mop water for washing shall have cleaning solution added to the amount and temperature
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1			iii. Mop heads shall be rinsed often and replaced as necessary.
2			iv. Mop heads and buckets shall be thoroughly rinsed with each change of water.
3			v. Only new mop heads shall be used for rinsing.
4		Ε.	Refer to all other specifications in this contract for specific requirements regarding final cleaning of finishes,
5			fixtures, equipment, etc.
6		F.	Exterior Cleaning shall include but not be limited to the following:
7			1. All exterior glazing surfaces have been professionally cleaned and are free of dust and streaking.
8			2. Metal roofs, siding, and other surfaces shall be clean of dirt and free of splashed or excess materials such
9			as sealants, mortar, paint, etc.
10			3. All exterior furnishings shall be clean, waste receptacles shall be empty.
11			Paved areas shall be clean, free of dirt, oily stains and other such blemishes
12			5. Exterior lights and diffusers are clean and free of dust.
13		G.	Interior Cleaning shall include but not be limited to the following:
14			1. Remove all labels, stickers, tags, and other such items which are not required by code as permanent
15			labels.
16			2. All interior glazing surfaces, including mirrors, have been professionally cleaned and are free of dust and
17			streaking.
18			3. All interior surfaces have been cleaned of excess materials such as paint, sealants, etc and have been
19			wiped free of dust.
20			Interior metals, fixtures, and trim have been cleaned free of dust and oily residues
21			5. Carpet flooring has been thoroughly cleaned; vacuumed free of dust, excess glues and other stains
22			removed per manufacturers use and care instructions.
23			6. Resilient flooring has been thoroughly cleaned; vacuumed free of dust, excess glues and other stains
24			removed, mopped and buffed per manufacturers use and care instructions.
25			7. Interior non-occupied concrete floors shall be broom cleaned, vacuumed free of dust, excess glues and
26			other stains removed per manufacturers use and care instructions.
27			8. Light fixtures, lamps, diffusers and other such items have been dusted and cleaned as necessary.
28			
29	3.5.	CALL	BACK WORK
30		Α.	The Contractor shall be responsible for ensuring that any contractor returning to the project site for completion
31			or correction work has re-cleaned and restored the area to the levels described in section 3.4 above upon
32			completion of the work. This shall include but not be limited to the following:
33			 The immediate area(s) where work was completed.
34			Adjacent areas where dust or debris may have traveled.
35			3. Other areas occupied during the completion of the call back work.
36			4. Path of entrance/exit, to/from the area(s) of work.
37			
38			
39			
40			END OF SECTION
41			

1									
1 2	SECTION 01 76 00 PROTECTING INSTALLED CONSTRUCTION								
3				PROTECTING INSTALLED CONSTRUCTION					
4	PART 1 ·	– GEI	NERAL						
5	1.1	-		RY					
6	1.2	. (QUALITY	ASSURANCE					
7	1.3	. I	RELATED	9 SPECIFICATIONS					
8	PART 2	- PRC	DUCTS .						
9	2.1		FENCING	MATERIALS AND BARRICADES 2					
10	2.2	. I	EROSION	I CONTROL PROTECTION 2					
11	2.3	i. I	INTERIO	R FINISH PROTECTION MATERIALS					
12	PART 3	- EXE	CUTION						
13	3.1		-	L EXECUTION REQUIREMENTS					
14	3.2			TADJACENT PROPERTIES					
15	3.3			r LANDSCAPING FEATURES					
16	3.4			r utilities					
17	3.5			F PUBLIC RIGHT OF WAY					
18	3.6			r STORED MATERIALS					
19	3.7			FWORK - EXTERIOR					
20	3.8	5. I	PROTECT	FWORK - INTERIOR					
21 22	DADT 1	<u>сг</u>							
22	PART 1	- GE	NERAL						
25 24	1.1.		MARY						
24		4.		urpose of this specification is to provide clear responsibilities, guide lines, and requirements related to					
26	,			ling protection to already installed construction.					
27		В.	•	ly installed construction shall include but not be limited to the following:					
28			1.	Any existing site feature such as pavement, curbs, drainage features, utilities, landscaping features (trees,					
29				shrubbery, plantings, flagpoles, etc) and other such exterior items not associated with the building					
30				whether on or adjacent to the project site.					
31			2.	Any existing structure on or adjacent to the project site.					
32			3.	Any existing interior work that may be adjacent to the new work including all paths of ingress/egress to					
33				areas associated with accessing the Work.					
34			4.	Any existing feature of any kind within the public right-of-way that may be on the project site property,					
35				adjacent to the project site or across the street from the project site.					
36	(C.	All cor	ntractors shall be familiar with the specifications of their Division of Work for specific requirements on					
37			•	tion of the Work.					
38	I	D.		quirements noted within this specification do not relieve any contractor of the responsibility for					
39			•	iance with any code, statute, ordinance, or other such regulatory requirement having jurisdictional					
40			autho	rity over these contract documents.					
41		_							
42		-		URANCE					
43	/	Α.		I be the responsibility of every contractor and worker assigned to the project to be diligent in protecting all					
44		_		ig work, and newly installed construction.					
45	1	В.		I be the Contractors responsibility under the contract to provide all reasonable protection methods,					
46				ials, or precautionary measures required to protect new or existing construction as described in within this					
47 48				ication to the project as a whole. The Contractor shall be responsible to ensure any domaged new or existing construction is repaired or					
48 49			1.	The Contractor shall be responsible to ensure any damaged new or existing construction is repaired or replaced at no additional cost to the Contract.					
49 50			2.	The Contractor at his/her discretion may direct other contractors to provide and maintain protection of					
51			۷.	completed work associated with their Division of Work. I.E.: The carpet installer may be required by the					
52				Contractor to provide carpet protection along traveled paths, ingress/egress, etc after installation.					
53	(C.	lt shal	I be the responsibility of the Contractor to ensure that all materials being used to protect installed					
54	·			uction are compatible with, and/or adjacent to, the materials being protected. This shall include but not					
55				ited to the material used as covering, tapes used to fasten protective materials, etc.					
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1			
2	1.3.	RELAT	ED SPECIFICATIONS
3		A.	Parts of this specification will reference articles within "The City of Madison Standard Specifications for Public
4			Works Construction".
5			1. Use the following link to access the Standard Specifications web page:
6			http://www.cityofmadison.com/business/pw/specs.cfm
7			a. Click on the "Part" chapter identified in the specification text. For example if the specification
8			says "Refer to City of Madison Standard Specification <u>2</u> 10.2" click the link for Part II, the Part II
9			PDF will open.
10 11			 Scroll through the index of Part II for specification 210.2 and click the text link which will take you to the referenced text.
12			
12		В.	c. City Standard Detail Drawings (SDD) may be located from the index in Part VIII. Section 01 60 00 Product Requirements
14		Б. С.	Section 01 74 13 Progress Cleaning
15		С.	
16	PART	2 - PRO	<u>DUCTS</u>
17 18	2.1.	FENCI	NG MATERIALS AND BARRICADES
19		A.	Except where noted in other areas of the construction documents the responsible contractor may provide any of
20			the following that sufficiently provide a sturdy physical barrier and/or visual barrier as necessary for the
21			intended application.
22			1. Standard orange construction barrels each with a standard rubber base ring and reflective tape
23			a. Provide flashing amber lights as needed to increase night time visibility
24			2. Steel "T" style fence posts
25			3. 4'0" high standard orange construction fence
26			4. Traffic barricades
27			5. Jersey barriers
28			6. Other types of fencing or barricades typically used in the construction industry
29		В.	The contractor responsible for providing the fencing materials and barricades shall also be responsible for
30			maintaining them. This shall include but not limited to fixing damaged fencing, standing up barrels that have
31 32		C.	been knocked over, realigning barrels, and ensuring flashing lights are fully operational at all times. The following fencing and barricade designations, and their use descriptions shall be used throughout this
33		С.	specification to provide uniformity in describing protection requirements.
33 34			1. Type A, Jersey Barriers, to be used as permanent blocking devices to deny access to alternate project site
35			entrances or exits.
36			 Type B, Traffic Barricades, to be used as temporary blocking devices to deny access to alternate project
37			site entrances or exits.
38			3. Type C, Construction Barrels without construction fencing shall be used for lane closures, temporary
39			blocking devices to deny access and the protection of single locations (I.E. identify the location of an
40			access structure) that do not require fencing.
41			4. Type D, Construction Barrels with construction fencing where it becomes necessary to surround an object
42			with a complete visual barricade and it is impractical or unacceptable to install fence posts. The surround
43			shall be constructed in such a manner as to provide a buffer zone around and access to the item being
44			protected.
45			5. Type E, Steel "T" Fence Posts with construction fencing to surround an object with a complete visual
46			barricade and it is practical to install fence posts. The surround shall be constructed in such a manner as
47			to provide a buffer zone around and access to the item being protected.
48			6. Type X, Other fencing or barricade types that may be designated and detailed within the construction
49 50			documents shall use additional alpha numeric designations.
50 51	2.2.	FROS	ON CONTROL PROTECTION
52	2.2.	A.	Refer to City of Madison Standard Specification 210.2 for authorized materials associated with erosion control
53			materials.
55 54			
55	2.3.	INTER	IOR FINISH PROTECTION MATERIALS
56	-	А.	Except where noted in other areas of the construction documents or this specification the responsible
57			contractor:
58			1. Shall not provide the cheapest or least effective method as an effort to meet any protection requirement.

 45 the property line. Interact with the adjacent property owners/tenants as needed. 46 C. Any contractor doing work on or adjacent to the property line shall install and maintain any protective measure identified in the contract documents, this specification, or as directed by the Contractor. 48 D. The Contractor shall be responsible for restoring any damage to structure and property located on or adjacent to the property line. 50 1. Restoration shall include but not be limited to repair or replacement using like materials and finishes to its original condition or better. 52 2. Restoration of landscaping materials shall include watering of any seed, sod, or other planting of any kind for a reasonable period of time to encourage germination and root development. 54 E. The Contractor shall keep the CPM informed directly to any issues pertaining to adjacent property owners and tenants. 				
 3. Shall provide sufficient quantity of protection material to protect the constructions needed. Prior to installing protection weasures the responsible contract or shall propose to the Contractor, Project Engineer (PE) and City Project Manager (CPM) the proposed plan for protection, materials to be used and samples as necessary. In the PE and CPM reserve the right to disapprove any proposed method and/or material and/or make alternate proposals. PART 3 - EXECUTION A. The Contractor shall be responsible for ensuring all of the following procedures and requirements are implemented as needed for the duration of the Work performed under this contract. B. The Contractor shall be responsible for the following property, right-of-way, or utility to the CPM immediately upon rendering the responsible for the following: C. Conduct a site walk through prior to leaving at the end of each day to asses: a. Protection measures are properly in place, provide correction actions an energency. b. Note damage to existing grouperty, right-of-way, or utility to the CPM immediately construction. 2. Conduct a site walk through prior to leaving at the end of each day to asses: a. Protection measures are properly in place, provide correction actions as needed. Conduct a site walk through prior to leaving at the end of walk on addison shall have greviously provided notice to adjacent property. A. Whenever possible through the design process the City of Madison shall have greviously provided notice to adjacent property owners that work will be occurring on or near their property. The City of Madison shall have greviously provided notice to adjacent property owners that work will be occurring on or near their property line. b. Concerns of adjacent property ware rand or othe				
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33 4. Stormwater management features such as greenways, retention/detention ponds, bio-filtration ponds 34 and other such features shall be properly protected according to the appropriate erosion control 35 measure specified on the Erosion Control Plan. See multiple sections of City of Madison Standard 36 Specification 210.1 37 a. For the protection of hard to see items such as structures, castings, inlets, etc. in grassy areas provide Type E fencing for areas on soil. 39 c. For the protection of storm water management features having special soils and plants such as bio-filtration ponds provide Type E fencing for areas on soil. 41 5. Other structures and covers including but not limited to cleanouts, wiring hand holes, valve boxes, access structures, grease trap structures, etc shall be protected as follows: 43 a. Provide Type E fencing for areas on soil. 44 b. When paving operations are complete provide a construction barrel or cone near structures as necessary depending on required heavy construction traffic. 45 The specifically stated in other areas of the construction documents the following minimal protection requirements shall apply under this section. 44 A. Except where specifically stated in other areas of the construction documents the following minimal protection requirements shall apply under this section. 50 1.				
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57 intended purpose at any time.				
	57			intended purpose at any time.

1		В.	When additional protection for traffic control is required, the use of barricades, guardrails, lane closures and				
2			other such procedures will be detailed within the construction documents.				
3		C.	When additional protection for overhead sidewalk cover is required the contract documents shall indicate the				
4			specific location and structural requirements of the protective structure.				
5							
6	3.6.	-	ECT STORED MATERIALS				
7		Α.	All contractors shall refer to Specification 01 60 00 Product Requirements for all storage and protection				
8			requirements of building materials and products delivered to the site.				
9 10	3.7.	DPOT	ECT WORK - EXTERIOR				
10	5.7.	A.	Provide all temporary services that may be required to protect the installed material from heat, cold, humidity,				
12		д.	etc, while materials such as concrete, mortar, sealants, paints, etc, are drying and/or curing.				
13		В.	Open trenches, pits, and other such excavations shall be properly covered, lined, or shored as needed during				
14			periods of inclement weather to prevent the caving of soils onto existing work in progress. Refer to the				
15			appropriate specifications and/or regulatory requirements governing this type of work as necessary.				
16		C.	Provide adequate protection at all openings with heavy duty tarps, plastic sheathing, or wood framing and				
17			sheathing as needed to protect interior work in progress from inclement weather as needed.				
18		D.	Protect exterior finishes of all kinds with heavy duty tarps or plastic sheathing as needed while landscaping is				
19			being installed through full germination of seeded areas or installation of filter fabric and mulches to keep dust,				
20			dirt, and mud off of finished exterior surfaces.				
21		Ε.	Designate specific curb mounting points and provide wood blocking where small vehicles, skid loaders and other				
22		_	such equipment may need access to areas being landscaped.				
23		F.	Provide plywood turning pads for skid loaders to turn on to prevent tire marking on new pavement.				
24 25		G. H.	Do not permit the parking of vehicles with any kind of fluid leaks to park on new pavement. The contractor shall be responsible for cleaning, repairing, or replacing any completed work or work in progress				
25		п.	under this specification as deemed necessary by the CPM without additional cost to the contract.				
20			under this specification as deemed necessary by the CFW without additional cost to the contract.				
28	3.8.	PROT	ECT WORK - INTERIOR				
29		Α.	The Contractor shall do all of the following:				
30			1. Provide all temporary services that may be required to protect the installed material from heat, cold,				
31			humidity, etc, while materials such as concrete, mortar, sealants, paints, etc, are drying and/or curing.				
32			2. Provide adequate visual and/or physical protection as needed to protect newly completed interior work				
33			such as paint, flooring material, sealants, grouts, etc that may be drying and/or curing.				
34			3. Provide adequate space and materials for cleaning boots, tool boxes, supplies, and other items coming				
35			into the project site once finish work has begun.				
36			4. Clean dirtied areas and repair/replace damaged areas immediately.				
37		В.	The contractors responsible for interior work shall be responsible for protecting their work and finishes from dirt,				
38 39			 mud, snow, spills, splatters, and physical damage after installation as follows: Protect vinyl composite, rubber composite, painted/stained concrete, and tiled flooring as follows: 				
40			a. Define foot traffic areas and protect with Ramboard Temporary Floor Protection products as a				
40			minimum basis of design or other protection product(s) compatible with installed flooring product				
42			if Ramboard is not compatible. Products to be used shall be new.				
43			i. Tape all edges, seams, etc with a good quality tape that does not leave sticky residue. Do				
44			not allow any debris or other material between the installed flooring and the protection				
45			material.				
46			ii. Repair tears immediately, replace worn areas with like material as necessary.				
47			2. Protect carpeted areas as follows:				
48			a. Define foot traffic areas and protect with a minimum of 6mil, clear, polyethylene sheeting 3 feet				
49			wide. Products to be used shall be new.				
50			i. Tape all edges, seams, etc with a good quality tape that does not leave sticky residue. Do				
51 52			not allow any debris or other material between the installed flooring and the protection				
52 53			material. ii. Repair tears immediately, replace worn areas with like materials as necessary.				
53 54			 Protect all finished walls in high traffic areas with Ramboard Temporary Wall protection products or 				
55			approved equal.				
56			i. Tape all edges, seams, etc with a good quality tape that does not leave sticky residue. Do				
57			not allow any debris or other material between the installed flooring and the protection				
58			material.				

1		ii. Repair tears immediately, replace worn areas with like materials as necessary.
2		3. Protect counter tops, cabinets, and other finished surfaces with large sheets of thick cardboard or
3		Ramboard products. Do not allow toolboxes, finish materials, parts and other such items to be placed on
4		finished materials.
5	С.	All protection shall stay in place until the CPM, PE, and Contractor mutually deem the project is ready for Final
6		Cleaning. The contractors responsible for protecting the work shall be responsible for removing the protection
7		and removing any adhesive residue at that time. Contractors shall only use manufacturer authorized cleaning
8		materials for removing adhesives, etc.
9	D.	Contractors doing work in un-protected areas of finished work shall be required to provide drop cloths and other
10		protection as noted within this specification for the duration of their work.
11		1. Finished areas shall be sufficiently covered to accommodate all equipment, and materials being used to
12		complete the work being done.
13		2. Finished areas shall be sufficiently covered to prevent splatters, over spray, etc when doing touch-up
14		work.
15		3. Contractors who do not provide sufficient protection under this sub-section shall be responsible for any
16		costs associated with cleaning, repairing or replacing already finished construction at no additional cost
17		to the contract.
18		
19		
20		
21		END OF SECTION
22		