OPM SUBMITTAL REVIEW & COORDINATION

COMMISSIONING CONSULTANTS REVIEW



Services 2022604.00 G Project Name:		Northeast Metropo	litan Regional	Vocational High School	Reviewing Agency: Consulting Engineering Services					
Project N		2022604.00 G	man regional	v ocational riight control	Reviewed By:	Jeanine Palmieri			+	
Mileston	e:	60% CD			Review Date:	12/4/2022				
NO.	Drawing/ Spec Section	Detail/ Room Number	DISCIPLINE	Cx Review Comments	REVIEW COMMENT BY:	Designer Response	Follow Up Comments	Reviewer Response (Open/Closed)	Review Set	
		Itamio		230993.11, 1.15, C for split A/C units it indicates Spaces served		1 1	•		i	
CES	230993.11 and M	Split System A/C	M	by these systems shall be instrumented with temperature sensors	CES	Will be indicated in a future		Open		
1.01	Drawings	Units (Typical)	IVI	for monitoring by the BMS, alarming temperatures out of range.	OLO	submission.		Open		
				Montoring sensors now shown on drawings.					60%CD	
				230993.11, 1.13, B for electric cabinet unit heaters indicates that						
CES	230993.11 and M	EUH/ECUH	M	the shall be provided with manufacturers thermostsats for field	CES	This will be clarified in a future		0		
1.02	Drawings	(Typical)	IVI	installation but also shall be instrumented with temperature sensors for monitoring by the BMS and alarming when 5°F below	CES	submission.		Open		
				the temp setpoint (adj.) Montoring sensors not yet shown on					60%CD	
CES		General Comment			050	This will be indicated in a future			- 007002	
1.03	M Drawings	- Control Sensors	M	Control sensor placement on drawings not yet complete	CES	submission.		In Progress	60%CD	
CES	M1-1-1A	TIT A107	М	No exhaust Shown to this toilet room	aaw	Exhaust to this toilet room will be		Open		
1.04	IVI 1-1-1A	111 / 107	IVI		qqw	indicted in a future submission.		Open	60%CD	
050	N44 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	E 40 (12)		Review schedule to ensure location and "serving" for F-18 are						
CES	M1-1-1A and	F-18 (Kitchen	М	accurate. Appears to be located in the kitchen A108 and serve	CES	Will review and revised.		Open		
1.05	M5-0-1	Area)		Recycling Room A109, custodial A113, Office A104, Tlt A106 and should serve A107 (no grille shown in there currently)				-	60%CD	
				What is this room (Elev Machine Room?) and how is it accessed?					007000	
CES	M1-1-1A	Elevator Machine	М	No door shown. Split A/C in space missing Tag - Assumed 2-4	CES	The location of this AC will be revised		Open		
1.06		Room		based on M1-3-1A	0_0	in a future submission.		Opo	60%CD	
CES	M1.1-0D	General Comment	M	Ductwork Sizing in progress. To be reviewed for completeness	CES	Noted.		In Dragrage		
1.07	IVIT. I-UD	General Comment	IVI	during next review.	CES			In Progress	60%CD	
CES		Auto Technology		CO/NO2 System - Is this being monitored by the BMS or is this		It will be monitored by the BMS and		_		
1.08	M1.1-0D	D003	М	100% Standalone? If monitored, this should be written into the	CES	will be included in the specification in		Open	000/ 0D	
CES		VAV Schedules		spec.		a future submission Will be completed in a future			60%CD	
1.09	M1.1-0D	(Typical)	M	Sound Data appears to be incomplete	CES	submission.		Open	60%CD	
CES					0.70	Confirmed. EUH to be provided in			- 007002	
1.10	M1.1-0D	Receiving A110	M	Confirm sufficient heat near this exterior door.	CES	Receiving A110.		Open	60%CD	
CES	M1.1-0D	Carpentry A141	М	Confirm necessary controls will be provided with relocated dust	CES	Confirmed.		Open		
1.11	WIT.T-OD		IVI	collector.	OLO	Commined.		Ореп	60%CD	
CES	M1-1-2A	CR A224, 225,	М	Suggest moving room name indication for clarity.	CES	Noted.		Open	000/ 05	
1.12 CES		226, 227		,		Ventilation will be added in a future		'	60%CD	
1.13	M1-1-2B	Records B227	М	Does this records area require any ventilation?	CES	submission.		Open	60%CD	
CES				Sensors in progress. To be reviewed on next set. Suggest		Controls and sensors will be clarified			007000	
1.14	M1-1-2B	CR B212 Typical	М	drawing whips to each piece of equipment controlled for clarity.	CES	in a future submission.		Open	60%CD	
CES	M1-1-2B	TLT 217?	М	Exhaust not shown in space	CES	Exhaust will be indicated in future		0505		
1.15	IVI I- I-ZD	ILI ZII!	IVI	Exhaust not shown in space	CES	submission.		Open	60%CD	
CES			_			AC noted in item number CES 1.06 is				
1.16	M1-1-3A	Elev Machine EE	М	Is split A/C needed in here?	CES	to be relocated to this elevator		Open	000/ 05	
						machine room in a future submission. This is shown correctly. The			60%CD	
						thermostat is controlling the VRF FCU				
				Similar locations on other pages show T and TC2 serving similar		and the CO2 sensor is controlling the				
CES	M1-1-3A	Digital Learning	М	areas. Is this shown correctly here? If the Thermostat controls the	CES	VAV. The HRU discharge air		Open	1	
1.17		A308 (typical)		VRF. What is controlling the electric reheat on the VAV?		temperature will be reset based on				
						outdoor air temperature. VAVs				
						connected to HRU-1, 2, 3 will not be			60%CD	





	es 2022004.00 G											
Project N			litan Regional \	Vocational High School	Reviewing Agency:	Consulting Engineering Services						
Project N	lo.:	2022604.00 G				Reviewed By: Jeanine Palmieri						
Milestone	e:	60% CD			Review Date: 12/4/2022							
	Drawing/ Spec	Detail/ Room			REVIEW			Reviewer Response				
NO.	Section	Number	DISCIPLINE	Cx Review Comments	COMMENT BY:	Designer Response	Follow Up Comments	(Open/Closed)	Review Set			
CES 1.18	HVAC Drawing Notes	General Comment	М	Update detail and drawing number for reference.	CES	Noted.		Open	60%CD			
CES 1.19	M1-1-LB	Detail 2	М	Room names not identified on plan.	CES	Will update in a future submission.		Open	60%CD			
CES 1.20	M1-3-0C	Near Coach OFF C024	М	What is this space. Is there a FCU that serves Coaches office C024 also? FCUS should be tagged.	CES	Will be revised in a future submission.		Open	60%CD			
CES 1.21	M1-3-1D	Elec Rm	М	Split A/C not tagged	CES	Will be tagged in a future submission.		Open	60%CD			
CES 1.22	M5-0-3	Sound Attenuator Schedule	М	Schedule not yet filled in.	CES	Will be completed in a future submission.		Open	60%CD			
CES 1.23	230993.11	Air Handling/Rooftop Units	М	Suggest identifying sequences with associated unit numbers for clarity.	CES	Sequences of operation will be revised and clarified in a future submission.		Open	60%CD			
CES 1.24	230993 and M Dwgs	Control Diagrams	М	Will control diagrams be provided?	CES	No.		Open	60%CD			





Consulting Engineering Services 2022604.00 G

Project N			olitan Regional	Vocational High School		Consulting Engineering Services			
Project N		2022604.00 G			Reviewed By:				
Milestone		60% CD	1		Review Date:	12/5/2022		Daviewer Beene	
NO.	Drawing/ Spec Section	Detail/ Room Number	DISCIPLINE		REVIEW COMMENT BY:	Designer Response	Follow Up Comments	Reviewer Response (Open/Closed)	Review Set
CES 2.01	E1-1-0	MSB-1A - Main Elec C001	E	PLEASE REVIEW INSTALLTION METHODS/FUTURE REPLACEMENT OF LARGER EQUIPMENT SUCH AS THE MAIN SWITCHBOARD, TRANSFORMERS, ETC. DOUBLE DOORS INTO ELECTRICAL ROOM WILL ACCOMMODATE, HOWEVER, THIS LEADS INTO A CORRIDOR WITH STANDARD WITH DOORS AT STAIRS.	CES	Accommodation for replacement of larger equipment will be reviewed.		Open	60% CD
CES 2.02	E1-1-0	PV Panelbaord - Main Elec C001	E	PLEASE INDICATE LOCATION OF PV DISCONNECT SWITCH. NORMALLY REQUIRED AT EXTERIOR ADJACENT TO UTILITY METER/UTILITY TRANSFORMER.	CES	Location of PV switch will be included in future submission.		Open	60% CD
CES 2.03	E1-1-0	Elev Mach C012	Е	DISCONNECTS ARE REQUIRED AT DOOR STRIKE SIDE OF DOOR.	CES	Disconnect location will be revised.		Open	60% CD
CES 2.04	E1-1-0C	Key Plan (Typical)	E	PLEASE EDIT KEYPLAN TO MATCH	CES	Key plans will be revised to match.		Open	60% CD
CES 2.05	E1-1-0D	General Comment	E	PLEASE REVIEW ARTICLE 511 REQUIREMENTS FOR WIRING AND DEVICES AS DESIGN PROGRESSES.	CES	Any area classifications and requirements for wiring devices will be coordinated as design progresses.		Open	60% CD
CES 2.06	E1-1-MC/MD and On	General Comment	E	DRAWING INCOMPLETE, CANNOT BE REVIEWED. Not ready for a 60% CD review.	CES	The scope indicated on the drawings is sufficient for a 60%CD pricing set. Drawings issued for the 60%CD MSBA submission will meeting MSBA 60%CD requirements with the exception of all circuiting being completed.		Open	60% CD



Services 2022604.00 G Project Name:		Morths = = + NA - +	litan Danis 1 17	ocational High Cohool	Deviewing America (Consulting Engineening Company					
			olitan Regional V	ocational High School		Consulting Engineering Services				
Project N Milestone		2022604.00 G 60% CD			Reviewed By: Review Date:	Dei Smith 12/5/2022				
Milestone	Drawing/ Spec				REVIEW	12/3/2022		Reviewer Response		
NO		Detail/ Room	DISCIPLINE	Cx Review Comments	COMMENT BY:	Designer Beenenee	Fallow Un Commente	-	Dovious Sot	
NO.	Section	Number	DISCIPLINE		COMMENT BY:	Designer Response	Follow Up Comments	(Open/Closed)	Review Set	
CES	FP1-1-0.5CD	Detail 2	FP	Sprinklers are shown too close together	CES	Sprinkler graphics/layout to be revised		Open	60% CD	
3.01						accordingly.				
CES	FP1-1-0.5CD	Detail 3	FP	It appears some of this work is also shown on the full plans.	CES	Sprinkler graphics/layout to be revised		Open	60% CD	
3.02						accordingly.				
CES	FP1-1-0C	Key Plan	FP	Correct hatching on key plan to indicate area shown. typical for all	CES	Noted, will address for future		Open	60% CD	
3.03	(Typical)	,		sheets		submission.				
CES		Hatched Area		L		Light Hazard Area, is noted for toilet		_		
3.04	FP1-1-0C	above Corridor	FP	Light Hazard Area label shown in Ordinary Hazard Area	CES	room. Will be addressed for clarity on		Open	60% CD	
0.01		C010				partial plans.				
CES		Generator Panels				Areas will be noted as Ordinary				
3.05	FP1-1-0C	C007 and Elec	FP	Should these areas be shown as Ordinary Hazard?	CES	Hazard.		Open	60% CD	
		Main Elec C001								
CES	FP1-1-0C	Plumbing Room	FP	Where does the drain piping for the floor control valves	CES	Drain piping termination point shall be		Open	60% CD	
3.06	11 1-1-00	C008	11	terminate?	OLO	indicated in future submission.		Ореп	00 / 0 OD	
CES	FP1-1-0C	Elev #2 E2	FP	Is coverage required for the elevator pit and for Elevator Machine	CES	These areas do not require sprinkler		Open	60% CD	
3.07	1 - 1-1-00	LIEV #Z LZ	I F	Room	OLO	coverage.		Open	00 % CD	
CES	FP1-1-0C	Paint Booth	FP	Sprinkler heads shown on the wall. Should these be relocated?	CES	Sprinklers are above paint booth at		Onen	60% CD	
3.08	FF 1-1-0C	Pairit bootii	FF	Sprinkler heads shown on the wall. Should these be relocated?	CES	the shop ceiling.		Open	60% CD	
						One set of sprinkler heads are shown				
050				The two sets of sprinklers appear to be too close together. is there		within the booth. Other set is intended				
CES	FP1-1-0C	Paint Booth	FP	a separation not readily visible on the plans? Typical for both	CES	to provide coverage at the shop ceiling		Open	60% CD	
3.09				spray booths		outside the paint booth. Plans shall be		1		
						updated for clarity.				
						Hazard classifications are for rooms				
CES	ED4 4 00	011 00000	ED	Sprinkler heads shown too close together and conflicting hazard	050	under mezzanine. Classifications to be			000/ 00	
3.10	FP1-1-0C	Off C022E	FP	classifications shown in the is area.	CES	modified as needed for clarity.		Open	60% CD	
						Sprinkler layout to be modified.				
050						Sprinkler below mezzanine and at				
CES	FP1-1-0C	TLT C022C	FP	Heads shown too close together.	CES	shop ceiling appearing on same plan.		Open	60% CD	
3.11						Graphics to be modified.		- Post		
CES		Auto Collision				Sprinkler layout to be modified		_		
3.12	FP1-1-0C	C022	FP	Heads shown too close together.	CES	accordingly.		Open	60% CD	
						Symbol is a fire department hose				
CES	FP1-1-0C	Stair 7	FP	Is this a drain riser? Where does it terminate? Also the symbol is	CES	valve. Drain riser to terminate through		Open	60% CD	
3.13		J. C.	• • •	not in the legend. Is this a fire department hose valve?	020	exterior wall underside of stair.		Gpe	0070 02	
CES		Auto Collision				Sprinkler layout to be modified				
3.14	FP1-1-0C	C022	FP	Missing sprinkler head on the far right side of the plan.	CES	accordingly.		Open	60% CD	
CES				There appears to be something missing in this location. Also, the		6" fire standpipe riser, 3" sprinkler		+		
3.15	FP1-1-0C	Stair 6	FP	various pipes/risers are not labeled	CES	drain riser to be labeled.		Open	60% CD	
				Various pipes/risers are not labeled		Sprinklers will be shown at underside				
CES	FP1-1-0C/D	Stair 6	FP	Sprinkler coverage in the stair looks deficient. Typical	CES	of bottom landing and at top of the		Open	60% CD	
3.16	1 - 1-1-00/D	Stall 0	1.5	Sprinkler coverage in the stall looks delicient. Typical	OLO	Ğ .		Open	00 % CD	
						stairways. Typical for all stairways. Sprinkler below mezzanine and at		+		
CES	FP1-1-0D	Related C022D	FP	Sprinklers shown too close together	CES			Onen	60% CD	
3.17	FF1-1-0D	and TLT C022C	F F	Sprinkiers shown too close together	CES	shop ceiling appearing on same plan.		Open	00 % CD	
CEC						Graphics to be modified.				
CES	FP1-1-0D	Stair 6	FP	Where does the drain piping terminate?	CES	Drain riser to terminate through		Open	60% CD	
3.18		lunt about Otal				exterior wall underside of stair.		+		
CES	FP1-1-0D	Just above Stair	FP	What does the riser serve?	CES	Riser serves auditorium fire		Open	60% CD	
3.19		6		1		department valve connection.		<u>'</u>		



Services 2022604.00 G												
Project N						Consulting Engineering Services						
Project N		2022604.00 G 60% CD			Reviewed By: Review Date:	Del Smith						
Milestone				1	REVIEW Date:	12/5/2022		Reviewer Response				
NO.	Drawing/ Spec Section	Detail/ Room Number	DISCIPLINE	Cx Review Comments	COMMENT BY:	Designer Response	Follow Up Comments	(Open/Closed)	Review Set			
CES 3.20	FP1-1-0D	Area outlined in detail 3 callout	FP	Conflicting hazard classification	CES	Hazard classifications are for rooms under mezzanine. Classifications to be modified as needed for clarity. Sprinkler layout to be modified.		Open	60% CD			
CES 3.21	FP1-1-0D	Area outlined in detail 3 callout	FP	Sprinkler heads shown too close together. Are they at different elevations?	CES	Sprinkler layout to be modified. Sprinkler below mezzanine and at shop ceiling appearing on same plan. Graphics to be modified.		Open	60% CD			
CES 3.22	FP1-1-1A	Stair 1 S1	FP	Will sprinkler coverage be provided in this area?	CES	Sprinkler coverage will be provided in this area as required.		Open	60% CD			
CES 3.23	FP1-1-1A	Kitchen A108	FP	Has full coverage been provided?	CES	Full sprinkler coverage to be provided except for areas under hoods, covered under separate ANSUL system.		Open	60% CD			
CES 3.24	FP1-1-1A	Stair 2 S2	FP	Is a fire department hose valve provided here?	CES	Fire department hose valve to be noted at Stair 2.		Open	60% CD			
CES 3.25	FP1-1-1A	Area below Tool Crib B101H	FP	This space appears to have no doors. Is sprinkler coverage required?	CES	Sprinkler coverage is required, this area is accessible from a ladder to the mezzanine level.		Open	60% CD			
CES 3.26	FP1-1-1B	Fire Pump Room B105	FP	Where is fire pump test header shown?	CES	Fire pump test header shown on north exterior wall outside fire pump room.		Open	60% CD			
CES 3.27	FP1-1-1B	Fire Pump Room B105	FP	10" service shown on riser diagram	CES	Riser diagram shall be updated to show 8" service.		Open	60% CD			
CES 3.28	FP1-1-1B	Fire Pump Room B105	FP	Pump shown backwards	CES	Pump layout to be revised.		Open	60% CD			
CES 3.29	FP1-1-1B	Fire Pump Room B105	FP	Piping doesn't match riser	CES	Piping to be coordinated accordingly.		Open	60% CD			
CES 3.30	FP1-1-1B/C	General Comment	FP	piping not visible in multiple areas	CES	Drawings to be revised for clarity.		Open	60% CD			
CES 3.31	FP1-1-1B	Plumbing and Pipe Fitting B101	FP	FHVC tag shown. What is this associated with?	CES	Fire hose valve connection for standpipe system.		Open	60% CD			
CES 3.32	FP1-1-1B	Tool Crib	FP	Confirm sprinkler heads are shown properly.	CES	Heads above and below mezzanine level appearing. Graphics to be modified accordingly.		Open	60% CD			
CES 3.33	FP1-1-1B	General Comment	FP	Should LH tags be on the part plan on P1-1-1.5AB?	CES	Correct. Tag locations to be modified.		Open	60% CD			
CES 3.34	FP1-1-1C	Stair 4 S4	FP	Where does the drain terminate	CES	Drain terminates through exterior wall at Lower Level.		Open	60% CD			
CES 3.35	FP1-1-1C	Cust A205	FP	Identify symbols shown in space.	CES	Graphical error. Should not appear on FP drawings.		Open	60% CD			
CES 3.36	FP1-1-2C	Near Corridor C201	FP	6" FSP and 3" SDR not pointing to anything outside Corridor	CES	To be deleted.		Open	60% CD			
CES 3.37	FP1-1-2C	Corridor C206	FP	Clarify why two types of sprinklers are provided in such close proximity to each other	CES	Sprinkler layout to be modified accordingly.		Open	60% CD			
CES 3.38	FP1-1-2C	Proscenium opening	FP	Are any special fire protection measures necessary at the proscenium opening?	CES	Sprinklers required at underside of walkway. Window sprinklers are required at glass separation at upper levels.		Open	60% CD			
CES 3.39	FP1-1-3A	STOR A314	FP	Sprinkler coverage in this area does not seem to match the background	CES	Sprinkler layout to be modified accordingly.		Open	60% CD			

CxA DESIGN REVIEW COMMENTS - Fire Protection



	VI V											
Project N						Reviewing Agency: Consulting Engineering Services						
Project N	0.:	2022604.00 G	-		Reviewed By: Del Smith							
Milestone) :	60% CD			Review Date: 12/5/2022							
	Drawing/ Spec	Detail/ Room			REVIEW			Reviewer Response				
NO.	Section	Number	DISCIPLINE	Cx Review Comments	COMMENT BY:	Designer Response	Follow Up Comments	(Open/Closed)	Review Set			
OFC		Camanal		The entire 4th floor appears to be fed off of a single riser. Verify								
CES	FP1-1-4D	General	FP	the floor area doesn't exceed that allowed by NFPA 13. Check for	CES			Open	60% CD			
3.40		Comment		other floors as well		Noted and will be reviewed.		-	1			
CES	ED1 0 1A	General FP Comment	I FP I CES	CEC	Roof area standpipe coverage shall be		Onen	60% CD				
3.41	I ΕΡ1-7-1Δ I			Is more than one standpipe connection required for the roof?	CES	reviewed and confirmed.		Open	00 /0 CD			
CES	FP5-0-1	Detail 1	Detail 1 FP	It seems redundant to have check valves on the inlet and outlet of	CES	FP riser diagram to be revised to		0.000	CON/ CD			
3.42	FP5-0-1			the fire pump	CES	reflect piping layout.		Open	60% CD			
CES	FP5-0-1	Detail 1		Four ZCV-A shown on the floor plan but three shown on this	CES	FP riser diagram to be revised to		Onen	60% CD			
3.43	FP5-0-1	Detail	FP	detail.	CES	reflect piping layout.		Open	60% CD			
CES	CES EP6-0-1	Detail 7	- ED		CEC			Onen	60% CD			
3.44			Detail 7 FP	Fire Pump Tag incomplete	CES	Noted. Will address.		Open	00% CD			
CES	S ED6.0.1	Detail 8	Detail 8 FP	Where is the combination standpipe with PRV required. PRV not	CES	PRV requirements to be reviewed and		Onen	600/ CD			
3.45				found on plans.	CES	addressed accordingly.		Open	60% CD			



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	Drawing/ Spec	Detail/ Room			REVIEW COMMENT			Reviewer Response			
NO.	Section	Number	DISCIPLINE	Cx Review Comments	BY:	Designer Response	Follow Up Comments	(Open/Closed)	Review Set		
CES	P0-0-1 (applicable		Р	Observations of alcounts	050	Cleanout locations will be added in			000/ OD		
4.01	to all sheets)	Comment	Р	Show locations of cleanouts	CES	future submission		Open	60% CD		
CES	P0-0-1 (applicable	General	Р	Many pipes are shown rising in locations where they will not be	CES	Piping to be coordinated with architect		Open	60% CD		
4.02	to all sheets)	Comment	'	concealed. Confirm intent.	020	accordingly.		оро	0070 02		
CES	P0-0-1 (applicable	General	Р	Floor drains in many areas do not appear to be vented. Clarify	CES	Floor drain venting to be added in		Open	60% CD		
4.03 CES	to all sheets)	Comment		intent.		future submission. Drain connection to be added in future		•			
4.04	P1-0-0A	Kitchen A108	Р	Sanitary connection to floor grate?	CES	submission		Open	60% CD		
CES			_			FD waste shall go to sanitary.					
4.05	P1-0-0A	Recycling A109	Р	Location shown to grease waste. Should it go to sanitary instead?	CES	To waste shall go to samitary.		Open	60% CD		
CES	P1-0-0A	Servery A112	Р	Several of the storm pipe risers do no appear to be in enclosures.	CES	Final location to be confirmed with		0,,,,,	60% CD		
4.06	P1-0-0A	Servery ATT2	Р	Verify exposed piping is acceptable	CES	architect.		Open	60% CD		
CES	P1-0-0A	Carpentry A141	Р	Is the intent to have floor drains in carpentry?	CES	Yes.		Open	60% CD		
4.07	1 1 0 0/1	ourpoint y 7 (11)	'	· · ·	020			оро	0070 02		
CES	D4 0 04	0 1 1444	_	Why do the other floor drain in this area go through an oil	050	Emergency shower/eyewash			200/ 20		
4.08	P1-0-0A	Carpentry A141		separator but this one does not? Confirm intent. Refer to location	CES	discharge to sanitary system.		Open	60% CD		
CES		Cosmetology		on redline markup.		Venting to be added below slab in					
4.09	P1-0-0B	B120	Р	How are these fixtures vented?	CES	future submission.		Open	60% CD		
CES			_			Pump will discharge and drain to		_			
4.10	P1-0-0C	Elev #2 E2	Р	Where does the pump discharge to?	CES	sanitary system.		Open	60% CD		
CES	P1-0-0C	Shower	Р	Sanitary connection to fixtures missing. Also relocate room name/	CES	Noted. Will be revised in future		Onen	60% CD		
4.11	P1-0-0C	Snower	Р	number to proper location.	CES	submission.		Open	60% CD		
CES	P1-0-0C	TLT C022C	P	Floor drain not connected to sanitary	CES	Noted. Connection to be added in		Open	60% CD		
4.12	11000			,		future submission		Open	0070 02		
CES	P1-0-0C	Auto Collision	Р	10" Storm - Appears to be an excessively convoluted route. Clarify	CES	Routing to be simplified.		Open	60% CD		
4.13		C022		intent I		Digar shall drap against salumn		'			
CES	P1-0-0C	Metal Fabrication	P	8" Storm - Riser appears to go through a piece of equipment.	CES	Riser shall drop against column. Location will be revised in future		Open	60% CD		
4.14	F 1-0-0C	C004		Clarify intent	OLO	submission.		Open	00 /0 CD		
CES	-1.5	Metal Fabrication	_	Floor cleanout is located under a piece of equipment and may not	0.5-5	Location shall be revised in future		<u> </u>			
4.15	P1-0-0C	C004	Р	be readily accessible. Clarify intent/review location	CES	submission.		Open	60% CD		
CES	P1-1-1A		Р		CES	Piping to be indicated in future		0	60% CD		
4.16	PI-I-IA	Dry Storage A103	Γ Γ	Piping to fixture not shown	CES	submission.		Open	00% CD		
CES	P1-1-1A	Cooler A102	Р	Exposed Piping? Confirm intent.	CES	Final location to be coordinated with		Open	60% CD		
4.17	1 1 1-1/1	00000174102	<u>'</u>	, , ,		architect.		Open	00 /0 0D		
CES	P1-1-1A	OFF A104	Р	8" vent for radon mitigation - exposed piping rising in the middle of	CES	Final location to be coordinated with		Open	60% CD		
4.18				the room? Verify intent.		architect.			1		
CES 4.19	P1-1-1A	Receiving A110	Р	Piping shown in space but where is it going?	CES	Piping layout to be completed and		Open	60% CD		
4.19						intent clarified in future submission.		<u> </u>			

CxA DESIGN REVIEW COMMENTS - Architectural



Consulting Engineering Services 2022604.00 G

	Project Name:	Northeast Metropolitan Regional Vocational High School	Reviewing Agency: Consulting Engineering Services								
	Project No.:	2022604.00 G	Reviewed By: Chris Walczak								
	Milestone:	60% CD	Review Date: 12/4/2022								
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Mileston	e:	60% CD			Review Date:	12/4/2022			
NO.	Drawing/ Spec Section	Detail/ Room Number	DISCIPLINE	Cx Review Comments	REVIEW COMMENT BY:	Designer Response	Follow Up Comments	Response (Open/Closed)	Review Set
CES 6.01	A2-1-1	Detail 3	А	Recommend adding CW27 to "Curtain Wall Types" drawings.	CES	These curtain walls were labeled incorrectly, they should be CW25's. We have corrected the labeling.		Open	CD
CES 6.02	A2-1-6	Detail 3	Α	This section of curtain wall, tagged CW23, does not appear to graphically match the CW23 detail shown on Drawing A6-3-4.	CES	Curtain wall was tagged incorrectly. It has now been fixed.		Open	CD
CES 6.03	A2-1-6	Detail 3	Α	This section of curtain wall, tagged CW24, does not appear to graphically match the CW24 detail shown on Drawing A6-3-4.	CES	Curtain wall was tagged incorrectly. It has now been fixed.		Open	CD
CES 6.04	A5-3-1	Detail M	Α	Roof vapor barrier not shown in detail. Recommend maintaining continuity of the vapor barrier at all equipment curb locations.	CES	Vapor barrier will be added to the detail.		Open	CD
CES 6.05	A5-3-1	Detail N, Q, O, K, H, G, F, E & D	Α	Recommend adding a tag to identify the roof vapor barrier in this detail. (Typical)	CES	Will add appropriate notations.		Open	CD
CES 6.06	A5-3-1	Detail F & E	Α	Should the sealant bead located beneath the stainless steel rain hood be tagged? (Typical)	CES	Will add appropriate notations.		Open	CD
CES 6.07	A6-3-2	Detail 1	Α	Recommend moving the dimension label for graphical clarity.	CES	Will clean up dimensioning for better clarity.		Open	CD
CES 6.08	A6-3-2	Detail 1	Α	Recommend reviewing conflicting labels. (Typical)	CES	Will review and resolve conflicting labels.		Open	CD
CES 6.09	A6-3-3	Detail 1	Α	Recommend reviewing conflicting labels.	CES	Will review and resolve conflicting labels.		Open	CD
CES 6.10	A6-3-4	Detail 1	Α	Recommend reviewing conflicting labels. (Typical)	CES	Will review and resolve conflicting labels.		Open	CD
CES 6.11	A6-3-4	Detail 1	Α	Both curtain wall types are identified as CW25. Please clarify design intent.	CES	We have fixed the labeling conflict.		Open	CD
CES 6.12	A6-3-4	Detail 1	А	Both curtain wall types are identified as CW26. Please clarify design intent.	CES	We have fixed the labeling conflict.		Open	CD
CES 6.13	A6-3-6	Detail 1 & 2	А	Recommend reviewing conflicting labels. (Typical)	CES	Will review and resolve conflicting labels.		Open	CD
CES 6.14	A6-3-8	Detail 1	Α	Recommend identifying component on graphical detail.	CES	Will indentify all components in detailing.		Open	CD