

ADDENDUM 1

DATE: June 01, 2020
PROJECT: UCT Emergency Light Code Compliance & LEF Retrofit
ITB NO: 744-R2014
OWNER: The University of Texas Health Science Center at Houston
TO: Prospective Proposers

This Addendum forms part of and modifies Proposal Documents dated, May 08, 2020, with amendments and additions noted below.

1. Clarifications, Questions and Answers:

1. Question: Please confirm your intent and direction for the use of Johnson Controls as the building UT System proprietary fire alarm controls vendor for the University Center Tower.
Answer: Existing controls is a JCI system. They must be used for tie in and programming.
2. Question: The Demolition and Renovation RCPs in the Base, Alt 1, Alt 2, Alt 3 and Alt 4 drawings call to remove and replace the existing ceiling with a new 2' x2' drop ceiling system. During the pre-construction site visit it was noted that the existing HVAC grilles are 1' x1'. There is no Mechanical scope shown in the project documents. Please advise if new HVAC grilles are to be provided to fit the new ceiling layouts. If so, please advise on new grille selections and neck sizes of existing ductwork.
Answer: Refer to A12-22 General Note 6. Assume neck size to be 8 inches. Supply grille spec provided as addendum.
3. The Demolition and Renovation RCPs in the Base, Alt 1, Alt 2, Alt 3 and Alt 4 drawings call to remove and replace the existing ceiling with a new 2' x2' drop ceiling system. The project drawings do not reflect any fire alarm scope associated with ceiling mounted FA devices. Please advise if existing ceiling mounted FA devices are to be removed and reinstalled for construction or replaced with new. Please provide information for quantity and layout of existing ceiling mounted FA devices.
Answer: Fire alarm devices to be removed and reset in same locations. Contractor to confirm counts
4. The Demolition and Renovation RCPs in the Base, Alt 1, Alt 2, Alt 3 and Alt 4 drawings call to remove and replace the existing ceiling with a new 2' x2' drop ceiling system. The project drawings do not reflect any fire sprinkler scope. Please advise if the existing sprinkler heads are to remain in place or are to be relocated as necessary to fall in the center of tiles the new drop ceiling layout. If necessary, please provide information for current locations of existing sprinkler heads.
Answer: If needed sprinkler heads to be moved for ceiling layouts. Contractor to verify counts
5. The Demolition and Renovation RCPs in the Base, Alt 1, Alt 2, Alt 3 and Alt 4 drawings call to remove and replace the existing ceiling with a new 2' x2' drop ceiling system. The project

drawings do not provide any direction for removing and reinstalling the existing ceiling mounted exit signs. Please advise if existing ceiling mounted exit signs are to be removed from the demoed ceiling and installed in new. If so, please provide information for locations and quantities of existing ceiling mounted exit signs.

Answer: If needed exit signs should be re-installed in same locations. Contractor to verify counts.

6. The Demolition and Renovation RCPs in the Base, Alt 1, Alt 2, Alt 3 and Alt 4 drawings call to remove and replace the existing ceiling with a new 2' x2' drop ceiling system. During the pre-construction site visit, it was noted that there are miscellaneous ceiling mounted devices (speakers, IT devices, etc...) mounted to the existing ceiling. Please advise if these devices are to be removed and reinstalled in the new ceiling. If so, please advise on types and quantities of these miscellaneous devices.

Answer: If needed, all ceiling mount devices are to be removed and reset in same locations. Contractor to verify counts and devices

7. Keynote DM2 on the Architectural pages of the Base Scope and all Alternate drawings call to install a new 2' x2' ceiling grid system with 2' x2' Cortega tile. There is no model information given for the type of ceiling grid or Cortega tile (i.e., Armstrong Prelude XL 15/16" grid, Armstrong Cortega Angled Tegular/Square Lay-in tile). Please advise.

Answer: Refer to specifications

8. Please advise on working hours for the project. Will work be able to be performed during regular hours (7a-4p) or will it need to be performed fully or partially after hours and weekends?

Answer: Work hours: Mon-Fri 5pm-7am, Saturday-Sunday all day.

9. Due to COVID-19, the building is currently unoccupied. Please advise if there is an estimated duration of the building remaining unoccupied and if work will be able to be performed during this time. This will affect pricing based on potential phasing due to occupants returning to the building.

Answer: Provide deductive alternate pricing to perform work during normal hours. Mon-Fri 7am-5pm

10. Are the existing exit light fixtures going to be replaced or reinstalled in the new ceiling tile?

Answer: Existing exit signs to be re-installed

11. Are we installing emergency power to the exit lights or keeping them on the existing circuit?

Answer: Exit signs are on emergency circuit already

12. Is the new panel installation (21EHB on drawing E0-21) part of the base bid, or is it an alternate because it is also on alternate 1, 2, 3, and 4?

Answer: New panel cost to be applied to base bid

13. Are offerors to include Section 6, Pricing and Delivery Schedule, in a separate sealed envelope or should it be included in the copy marked "original"? **Answer: No, it should be included in a copy marked "original". A revised Section 6 will be included with Addendum 1.**

14. Please confirm that Section 6, Pricing and Delivery Schedule, should be included as part of the complete electronic copy submitted on the flash drive.

Answer: Confirmed.

15. The requested *UTHealth Vendor and Contractor Representation Form to Comply with COVID-19 Procedures* as posted on the provided website includes a due date of March 18, 2020. Should offerors use this version of the form or is there an updated version that should be used? **Answer: Answer: Yes.**
16. Is the *UTHealth Vendor and Contractor Representation Form to Comply with COVID-19 Procedures* to be included within our proposal submission or is it only to be submitted separately to Procurement Services via email? If contractors already have a completed form on file, should a new form be submitted?
Answer: UTHealth Vendor and Contractor Representation Form to Comply with COVID-19 Procedures form can be submitted separately via email. No, if contractors have already filed form a new one is not needed.
17. In light of requirements in place due to COVID-19, and to allow for appropriate social distancing within the contractor's organization, would UTHealth please consider accepting an all-online submission instead of hard copies (e.g., via email)?
Answer: No, at this time hard copies will be required. All contractors on-site will be required to practice social distances and wear a mask.
18. If online submission is acceptable, please confirm electronic signatures are accepted rather than manual signatures under pen and scanned.
Answer: Online submission not accepted.
19. Base drawing A12-22 note 06 states diffusers are to be relocated and new flex it to be provided. Please provide Mechanical drawings, as this is very difficult to quantify and/or price.
Answer: Addendum drawings showing mechanical supplies to be demolished, and new supply & returns to be installed. Coordinate with all other trades for final locations. Test and balance to be performed by UTH 3rd party.
20. Please advise if stair landing light fixtures are required per base drawing A12-22 note 07?
Answer: Stairwell light fixtures to be removed from base and alternate pricing.
21. Are the existing exit light fixtures going to be replaced or reinstalled in the new ceiling tile?
Answer: Exit light fixtures to be re-installed in same locations
22. Are the exit lights staying on the existing circuit or is emergency power needed?
Answer: Exit lights are already on emergency circuit and shall remain on emergency circuit
23. Are we to assume that the new panel installation (21EHB on drawing E0-21) is part of the base bid, or is it an alternate because it is shown on alternate No.1, 2,3 and 4?
Answer: 21EHB panel cost should be included in the base bid only
24. For electricians, do they need to dispose of the old fixtures properly? Will a return receipt be required by UTHSC?
Answer: Refer to Appendix C – Special Conditions section 1.17 Fluorescent or mercury containing lamps and ballasts for proper disposal procedures.
25. Is there a certain phasing plan that needs to be followed? How many rooms and/or areas will be provided at a time? Please be specific!
Answer: It is the contractor's responsibility to provide a schedule/phasing schedule to the owner

26. What is the likelihood that multiple floors can be worked on at the same time? Please provide a baseline for the amount of area allowed to be worked on per floor. Should any alternates be accepted.

Answer: For this bid, the base bid and alternate schedules should be created separately. In the event alternates are accepted negotiations on the schedule and cost savings for time can be made.

CORTEGA®/CORTEGA® Second Look®

Square Lay-in & Tegular
medium texture



Cortega® Angled Tegular panels with Prelude® 15/16" suspension system (Pgs. 279-280)



Cortega® Second Look® II panels with Suprafine® 9/16" suspension system (Pgs. 287-288)

Cortega® offers a medium-textured, economical solution with standard acoustical absorption.

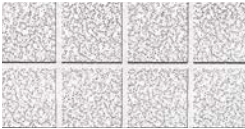
KEY SELECTION ATTRIBUTES

- Economical
- Non-directional visual reduces scrap and installation time (excludes Second Look items)
- Geometric Scored Visuals (Second Look items)

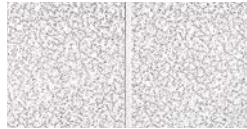
TYPICAL APPLICATIONS

- Storage and supply rooms
- Discount stores
- Utility Rooms

FACE VIEW

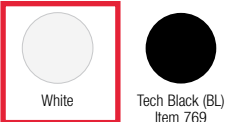


Cortega Second Look I panels – Scoring creates nominal 12" x 12" squares

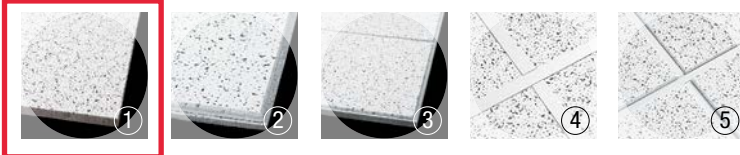


Cortega Second Look II panels – Scoring creates nominal 24" x 24" squares

COLORS Colored ceilings are dye-lotted and should be segregated by dye lot. Do not mix.



DETAILS (Other Suspension Systems compatible. Refer to listing on page 174.)



1. Cortega Square Lay-in
2. Cortega Beveled Tegular
3. Cortega Second Look
4. Cortega Lay-in with Prelude 15/16" suspension system
5. Cortega Beveled Tegular with Suprafine 9/16" suspension system

CORTEGA®/CORTEGA® Second Look®

Square Lay-in & Tegular medium texture

UP TO **43%** LEED®
55% RECYCLED CONTENT
 Calculate LEED contribution at armstrongceilings.com/greengenie

energy management, construction waste mgmt, regional materials, design for flexibility, EPD, recyclable/extended producer resp., bio-based materials, recycled content, sourcing of raw materials, material ingredient reporting, low emitting materials, lighting quality, acoustics

VISUAL SELECTION

Edge Profile	Susp. Dwg. Pgs. 295-299 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)
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CORTEGA® Square Lay-in

	1	770 770M	24 x 24 x 5/8" 600 x 600 x 15mm	<input type="checkbox"/>
	1	824	24 x 24 x 5/8"	<input type="checkbox"/>
	1	769 ** 769M	24 x 48 x 5/8" 600 x 1200 x 15mm	<input type="checkbox"/>
	1	823	24 x 48 x 5/8"	<input type="checkbox"/>
	1	747	24 x 48 x 5/8"	<input type="checkbox"/>
	1	773 773M	20 x 60 x 5/8" 500 x 1500 x 15mm	<input type="checkbox"/>
	1	772 772M	24 x 60 x 5/8" 600 x 1500 x 15mm	<input type="checkbox"/>
	1	Other Size Panels	W: 12" - 30" / L: 18" - 72" 5/8" Thick	<input type="checkbox"/>

CORTEGA Tegular

	12	704 704M	24 x 24 x 5/8" 600 x 600 x 15mm	<input type="checkbox"/>
	12	816	24 x 24 x 5/8"	<input type="checkbox"/>
	12	703	24 x 48 x 5/8"	<input type="checkbox"/>
	29, 44, 48, 52, 56, 60	2195	24 x 24 x 5/8"	<input type="checkbox"/>
	29, 44, 48, 52, 56, 60	Other Size Panels	W: 12" - 30" / L: 18" - 72" 5/8" Thick	<input type="checkbox"/>

CORTEGA® Second Look® I

	11	2765	24 x 48 x 3/4"	<input type="checkbox"/>
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CORTEGA Second Look II

	11	2758	24 x 48 x 3/4"	<input type="checkbox"/>
	11	2767	24 x 48 x 3/4"	<input type="checkbox"/>
	27	2776	24 x 48 x 3/4"	<input type="checkbox"/>

¹ Total Acoustics™ ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. ** Add 2-letter color suffix to item number when specifying or ordering (e.g., 769 B L).

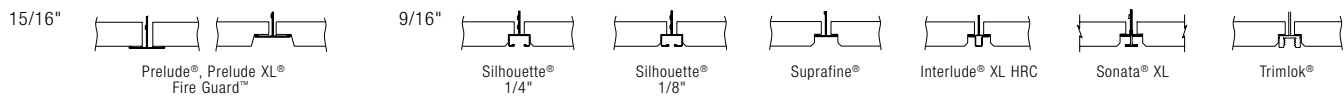
PERFORMANCE SELECTION

Dots represent high level of performance.

UL Classified Acoustics	NRC	CAC	Total Acoustics ¹	Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content	Recycled Program	Warranty
Class A	0.55	33	-	Class A	0.82	-	Std	•	Std	Std	•	1-Yr
Fire Guard™	0.55	35	-	Fire Guard™	0.82	-	Std	•	Std	Std	•	1-Yr
Class A	0.55	35	-	Class A	0.82	-	Std	•	Std	Std	•	1-Yr
Fire Guard™	0.55	35	-	Fire Guard™	0.82	-	Std	•	Std	Std	•	1-Yr
Class A	0.55	40	-	Class A	0.82	-	Std	•	Std	Std	•	1-Yr
Class A	0.55	35	-	Class A	0.82	-	Std	•	Std	Std	•	1-Yr
Class A	0.55	35	-	Class A	0.82	-	Std	•	Std	Std	•	1-Yr
Class A	N/A	N/A	-	Class A	0.82	-	Std	•	Std	Std	•	1-Yr
Class A	0.55	33	-	Class A	0.82	-	Std	•	Std	Std	•	1-Yr
Fire Guard™	0.55	35	-	Fire Guard™	0.82	-	Std	•	Std	Std	•	1-Yr
Class A	0.55	35	-	Class A	0.82	-	Std	•	Std	Std	•	1-Yr
Class A	0.55	35*	-	Class A	0.82	-	Std	•	Std	Std	•	1-Yr
Class A	N/A	N/A	-	Class A	0.82	-	Std	•	Std	Std	•	1-Yr
Class A	0.55	35	-	Class A	0.82	-	Std	•	Std	Std	•	1-Yr
Fire Guard™	0.55	40	-	Fire Guard™	0.82	-	Std	•	Std	Std	•	1-Yr
Class A	0.55	35	-	Class A	0.82	-	Std	•	Std	Std	•	1-Yr
Class A	0.55	30	-	Class A	0.82	-	Std	•	Std	Std	•	1-Yr

SUSPENSION SYSTEMS

* Item 2195 - CAC 31 on 9/16" Silhouette or Trimlok.



NOTE: 9/16" Cortega Second Look items are installed using Suprafine suspension systems only.

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled.)
Fire Guard: A fire-resistive ceiling when used in applicable UL assemblies

ASTM E1264 Classification
Type III, Form 2, Pattern C D

Humidity/Sag Resistance
Standard performance ceiling panels, adequate where the building is enclosed and the HVAC is continuously functioning.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol. (Excludes 769BL)

Primary (Embodied) Energy
See all LCA information on our EPD's.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
2195, 704, 816, 703 - R Factor - 1.6 (BTU units);
R Factor - 0.28 (Watts units)
770, 772, 769, 773, 823, 824 - R Factor - 1.5 (BTU units); R Factor - 0.26 (Watts units)

Weight; Square Feet/Carton
769 - 0.61 lbs/SF; 96 SF/ctn
704, 2195 - 0.63 lbs/SF; 64 SF/ctn
772, 773 - 0.63 lbs/SF; 100 SF/ctn
703 - 0.65 lbs/SF; 80 SF/ctn
770 - 0.69 lbs/SF; 64 SF/ctn
816 - 1.08 lbs/SF; 48 SF/ctn
823 - 1.09 lbs/SF; 48 SF/ctn
824 - 1.09 lbs/SF; 64 SF/ctn
850 - 1.11 lbs/SF; 64 SF/ctn
2765, 2767 - 0.73 lbs/SF; 80 SF/ctn
2758 - 1.26 lbs/SF; 64 SF/ctn
2776 - 0.70 lbs/SF; 80 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels.

Metric Items Available
770M, 824M, 769M, 773M, 772M, 2195M, 704M, 703M, 823M - Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

TechLine™ / 1 877 276 7876
armstrongceilings.com/commceilings
 (search: cortega)
 BPCS-3017/3022-8 15

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 CEILING SOLUTIONS

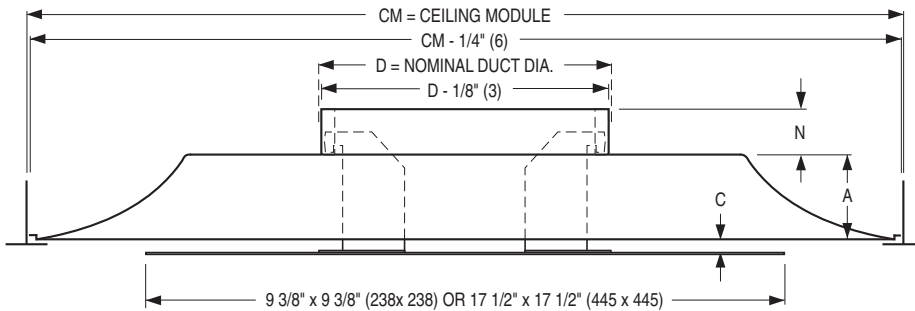
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MINERAL FIBER



ARCHITECTURAL CEILING DIFFUSERS
SQUARE PLAQUE • CONCEALED NECK BRACKETRY
ALUMINUM • ROUND NECK
MODEL: AUNI

TYPE L Lay-in T-Bar



Dimensional Data

Ceiling Module CM		Imperial Units (inches)						Metric Units (mm)					
Imperial Modules	Metric Modules	Duct Size D	N	A	B	C	F	Duct Size D	N	A	B	C	F
12 x 12	300 x 300	4*	3 1/4	1	11	5/8	13	102*	83	25	279	16	330
		5, 6, 7, 8	1 1/4					127, 152, 178, 203	32				
24 x 24	600 x 600	6, 8, 10, 12, 14, 15	1 1/4	2 5/16	22	3/8	N/A	152, 203, 254, 305, 356, 381	32	59	559	10	N/A

* Supplied with a reducer.

DESCRIPTION:

1. Material: Aluminum with corrosion-resistant steel neck bracketry.
2. The AUNI Diffuser has been designed to provide both the unobtrusive appearance for architectural excellence and engineered performance. Unique, concealed neck bracketry design is virtually invisible from a normal viewing position, giving the appearance that the plaque face floats below the backpan. There are no visible corner posts as on competitor's models to detract from the aesthetically clean design.
3. The diffuser delivers a tight 360° radial horizontal pattern allowing high turn down ratios with no dumping. Excellent for VAV systems.
4. The diffuser features a stamped one-piece outer-cone which eliminates mitered corners and a double skinned inner face panel with a hemmed edge for strength and a clean appearance.
5. A spring clip arrangement permits quick, easy installation and removal of the inner core assembly.
6. Standard finish is AW Appliance White.

OPTIONS:

- EX External Foil-Back Insulation, installed - R-4.2
- EXB External Foil-Back Insulation, ships loose - R-4.2
- MIB Molded Insulation Blanket - R-6.0 (24 x 24 only)
- EQT Earthquake Tabs

Finish:

- SP Special. Specify _____.

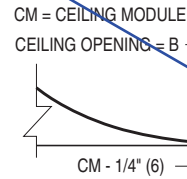
QB Quadrant Blanks:

- QB3 3-Way Blow
- QC2 2-Way Corner Blow
- QB2 2-Way Opposite Blow
- QB1 1-Way Blow

Fineline® is a registered trademark of USG Interiors Inc.

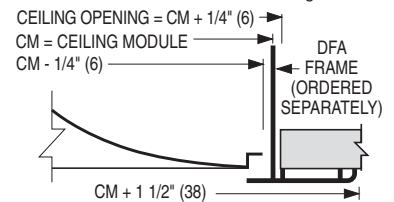
TYPE L Surface Mount

Hard duct connection recommended.



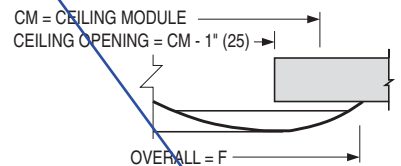
TYPE L Surface Mount With DFA

Drywall/Plaster frame. Recommended for flexible duct connection and ceiling access

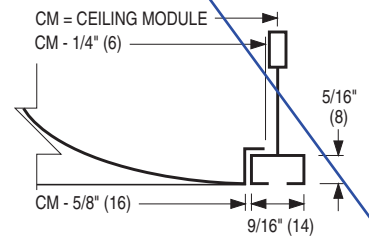


TYPE S Surface Mount

(12 x 12 [305 x 305] module only)



TYPE F Fineline®



Dimensions are in inches (mm).

SCHEDULE TYPE:	GRDs				
PROJECT:	UCT AHU REPLACEMENT				
ENGINEER:	SHAH SMITH	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	BRANDT	1 - 24 - 17	UNI	7 - 25 - 16	UNI-6

PERFORMANCE DATA:

Models UNI and AUNI • 12 x 12 (300 x 300) Face Size • 4-way Blow (360° Pattern)

Nominal Neck Size	Neck Velocity, FPM	400	500	600	700	800	900	1000	1200	1400	1600
	VP	.010	.016	.023	.031	.040	.051	.063	.090	.122	.160
4" Dia.	TP	.023	.036	.051	.070	.091	.115	.142	.205	.279	.364
	Airflow, CFM	35	45	50	60	70	80	85	105	120	140
	T	1-2-3	1-2-4	2-2-5	2-3-6	2-3-6	2-4-7	3-4-7	3-5-7	4-6-7	5-7-8
	NC	—	—	—	13	17	21	24	30	35	40
5" Dia.	TP	.027	.043	.061	.083	.109	.138	.170	.245	.334	.436
	Airflow, CFM	55	70	80	95	110	125	135	165	190	220
	T	2-2-4	2-3-5	2-3-6	3-4-7	3-5-8	4-6-9	4-7-9	4-8-10	5-8-10	6-9-11
	NC	—	—	—	14	18	22	25	31	36	41
6" Dia.	TP	.033	.052	.074	.101	.131	.166	.205	.295	.402	.525
	Airflow, CFM	80	100	120	140	160	180	200	235	275	315
	T	2-3-5	3-4-6	3-5-7	4-5-8	5-6-9	5-7-10	5-8-10	6-9-11	7-10-12	7-10-13
	NC	—	—	10	15	19	23	26	32	37	42
7" Dia.	TP	.056	.089	.127	.172	.225	.285	.352	.506	.689	.900
	Airflow, CFM	105	135	160	190	215	240	265	320	375	430
	T	3-4-6	3-5-7	4-6-9	4-7-10	5-8-10	6-8-11	6-9-12	7-10-13	8-11-14	9-12-15
	NC	—	—	11	16	20	24	27	33	38	43
8" Dia.	TP	.067	.105	.160	.205	.268	.340	.418	.600	.821	1.070
	Airflow, CFM	140	175	210	245	280	315	350	420	490	560
	T	3-5-7	4-6-9	5-7-10	6-8-11	6-9-12	7-9-13	7-10-14	8-11-15	9-12-16	9-12-17
	NC	—	—	12	17	21	25	28	34	39	44

Models UNI and AUNI • 20 x 20 (500 x 500) Face Size • 4-way Blow (360° Pattern)

Nominal Neck Size	Neck Velocity, FPM	400	500	600	700	800	900	1000	1200	1400	1600
	VP	.010	.016	.023	.031	.040	.051	.063	.090	.122	.160
6" Dia.	TP	.014	.021	.031	.042	.055	.070	.086	.124	.168	.220
	Airflow, CFM	80	100	120	140	160	180	200	235	275	315
	T	1-3-5	2-3-4	2-4-5	2-4-6	2-5-6	3-4-7	3-5-8	4-6-9	4-6-10	5-6-10
	NC	—	—	—	—	14	18	22	28	34	39
8" Dia.	TP	.019	.029	.042	.057	.074	.094	.116	.167	.227	.296
	Airflow, CFM	140	175	210	245	280	315	350	420	490	560
	T	2-2-4	2-3-5	2-3-7	3-4-8	3-5-9	4-6-9	5-7-10	6-8-11	7-9-12	8-10-13
	NC	—	—	—	13	18	22	26	32	38	43
10" Dia.	TP	.031	.049	.071	.096	.126	.159	.196	.283	.385	.503
	Airflow, CFM	220	270	330	380	435	490	545	655	765	875
	T	3-4-7	3-5-9	3-5-10	4-6-12	5-7-13	6-8-12	7-9-14	8-11-15	10-12-17	11-13-18
	NC	—	—	10	16	21	25	29	35	41	46

For performance notes, see D109.

PERFORMANCE DATA:

Models UNI and AUNI • 24 x 24 (600 x 600) Face Size • 4-way Blow (360° Pattern)

Nominal Neck Size	Neck Velocity, FPM	400	500	600	700	800	900	1000	1200	1400	1600
	VP	.010	.016	.023	.031	.040	.051	.063	.090	.122	.160
6" Dia.	TP	.010	.020	.030	.041	.053	.068	.084	.120	.164	.214
	Airflow, CFM	80	100	120	140	160	180	200	235	275	315
	T	1-3-4	1-3-4	2-4-5	2-4-6	2-5-6	3-4-7	3-5-8	4-6-9	4-6-10	5-6-10
	NC	—	—	—	—	14	18	22	28	34	39
8" Dia.	TP	.018	.028	.037	.056	.072	.092	.112	.162	.220	.288
	Airflow, CFM	140	175	210	245	280	315	350	420	490	560
	T	2-2-4	2-3-5	2-3-7	3-4-8	3-5-9	4-6-9	5-7-10	6-8-11	7-9-12	8-10-13
	NC	—	—	—	13	18	22	26	32	38	43
10" Dia.	TP	.031	.048	.069	.093	.122	.155	.191	.275	.375	.489
	Airflow, CFM	220	270	330	380	435	490	545	655	765	870
	T	3-4-7	3-5-9	3-5-10	4-6-12	5-7-13	5-8-12	7-9-14	8-11-15	10-12-17	11-13-18
	NC	—	—	10	16	21	25	29	35	41	46
12" Dia.	TP	.040	.063	.090	.123	.161	.203	.251	.361	.492	.643
	Airflow, CFM	315	390	470	550	630	705	785	940	1100	1255
	T	4-5-10	4-7-13	5-8-14	7-9-16	8-11-17	8-12-17	10-14-19	11-15-20	14-17-23	16-18-25
	NC	—	—	13	19	24	28	32	38	44	49
14" Dia.	TP	.054	.083	.120	.163	.214	.270	.334	.481	.655	.855
	Airflow, CFM	425	530	635	745	850	955	1060	1270	1490	1695
	T	5-7-14	6-9-16	7-11-18	10-13-20	11-15-23	11-17-23	14-19-26	16-21-28	19-22-31	20-24-33
	NC	—	—	15	21	26	30	34	40	46	51
15" Dia.	TP	.065	.102	.147	.200	.260	.330	.408	.588	.799	1.044
	Airflow, CFM	490	615	735	860	985	1110	1230	1470	1720	1970
	T	6-9-17	7-11-19	9-13-21	11-16-24	14-19-26	14-20-27	16-21-30	19-24-33	23-26-35	23-27-38
	NC	—	—	16	22	27	31	35	41	47	52

- CFM** - cubic feet per minute
- FPM** - feet per minute velocity
- TP** - total pressure - inches w.g.
- VP** - velocity pressure - inches w.g.
- T** - throw in feet
- NC** - Noise Criteria (values) based on 10 dB room absorption, re 10⁻¹² watts.

Performance Notes:

1. Horizontal throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.
2. Return Applications:
Use the following correction factors with the supply data.
NC = + 3 NC
Neg. static pressure = TP x .45
3. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Neck Size Diameter in Inches	Nominal Overall Face Size	Ak Factor
6	12 x 12	0.105
8	12 x 12	0.129
6	24 x 24	0.206
8	24 x 24	0.248
10	24 x 24	0.315
12	24 x 24	0.384
14	24 x 24	0.437
15	24 x 24	0.485

PERFORMANCE DATA:

Models UNI and AUNI • 12 x 12 (300 x 300) Face Size • 3-way Blow

Nominal Neck Size	Neck Velocity, FPM	300	400	500	600	700	800	900	1000	1200	1400
	VP	.006	.010	.016	.023	.031	.040	.051	.063	.090	.122
6" Dia.	TP	.035	.061	.096	.138	.188	.245	.311	.383	.529	.725
	Airflow, CFM	60	80	100	120	140	160	180	200	235	275
	T	2-4-6	3-6-9	5-7-9	5-8-10	6-9-12	7-9-13	7-10-14	8-11-15	8-12-16	9-13-17
	NC	—	—	12	18	23	27	31	34	40	45
8" Dia.	TP	.076	.135	.211	.304	.414	.540	.684	.844	1.215	1.654
	Airflow, CFM	105	140	175	210	245	280	315	350	420	490
	T	3-5-7	5-7-10	5-8-11	6-9-12	7-10-13	7-10-14	8-11-15	9-12-16	9-12-17	10-13-18
	NC	—	—	14	20	25	29	33	36	42	47

Models UNI and AUNI • 24 x 24 (600 x 600) Face Size • 3-Way Blow

Nominal Neck Size	Neck Velocity, FPM	300	400	500	600	700	800	900	1000	1200	1400
	VP	.006	.010	.016	.023	.031	.040	.051	.063	.090	.122
6" Dia.	TP	.010	.018	.028	.041	.055	.072	.091	.113	.155	.213
	Airflow, CFM	60	80	100	120	140	160	180	200	235	275
	T	1-3-4	1-3-4	2-4-5	2-5-6	3-4-7	4-5-8	4-6-9	4-6-10	5-6-10	6-7-11
	NC	—	—	—	11	17	22	26	30	36	42
8" Dia.	TP	.016	.028	.043	.062	.085	.111	.140	.173	.249	.339
	Airflow, CFM	105	140	175	210	245	280	315	350	420	490
	T	2-2-4	2-3-6	3-4-8	3-5-8	4-6-9	5-7-10	6-8-11	7-9-12	8-10-13	9-11-14
	NC	—	—	—	15	21	26	30	34	40	46
10" Dia.	TP	.032	.057	.085	.127	.169	.221	.281	.347	.501	.684
	Airflow, CFM	165	220	270	330	380	435	490	545	655	765
	T	3-4-7	3-5-9	4-6-10	5-7-11	5-8-12	7-10-13	8-11-15	9-12-16	11-13-18	12-14-19
	NC	—	—	—	18	24	29	33	37	43	49
12" Dia.	TP	.043	.077	.118	.171	.235	.308	.386	.478	.686	.939
	Airflow, CFM	235	315	390	470	550	630	705	785	940	1100
	T	4-5-10	5-7-13	6-9-15	8-11-17	9-13-18	10-14-19	11-15-20	13-16-22	16-18-25	18-21-28
	NC	—	—	12	21	27	32	36	40	46	52
14" Dia.	TP	.060	.106	.165	.237	.326	.425	.536	.661	.949	1.306
	Airflow, CFM	320	425	530	635	745	850	955	1060	1270	1490
	T	5-7-14	6-9-16	9-12-19	11-15-23	12-18-24	14-19-26	16-21-28	19-21-30	20-24-33	21-26-35
	NC	—	—	14	23	29	34	38	42	48	54
15" Dia.	TP	.074	.130	.205	.293	.401	.526	.668	.820	1.172	1.604
	Airflow, CFM	370	490	615	735	860	985	1110	1230	1470	1720
	T	6-9-17	8-12-20	11-16-24	14-19-26	14-20-27	17-22-31	19-24-33	22-25-35	23-27-38	24-29-40
	NC	—	—	15	24	30	35	39	43	49	55

CFM - cubic feet per minute

FPM - feet per minute velocity

TP - total pressure - inches w.g.

VP - velocity pressure - inches w.g.

T - throw in feet

NC - Noise Criteria (values) based on 10 dB room absorption, re 10⁻¹² watts.

Performance Notes:

1. Horizontal throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.

2. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Neck Size Diameter in Inches	Nominal Overall Face Size	Ak Factor
6	12 x 12	0.079
8	12 x 12	0.098
6	24 x 24	0.155
8	24 x 24	0.186
10	24 x 24	0.236
12	24 x 24	0.288
14	24 x 24	0.328
15	24 x 24	0.364

PERFORMANCE DATA:

Models UNI and AUNI • 12 x 12 (300 x 300) Face Size • 2-way Blow

Nominal Neck Size	Neck Velocity, FPM	200	300	400	500	600	700	800	900	1000	1200
	VP	.003	.006	.010	.016	.023	.031	.040	.051	.063	.090
6" Dia.	TP	.032	.071	.126	.198	.284	.387	.506	.640	.790	1.091
	Airflow, CFM	40	60	80	100	120	140	160	180	200	235
	T	2-4-6	4-6-9	5-8-10	6-9-12	7-9-13	8-11-15	8-12-16	9-12-17	9-13-18	10-13-19
	NC	—	—	16	22	25	30	34	38	41	47
8" Dia.	TP	.074	.166	.294	.460	.662	.902	1.178	1.491	1.840	2.650
	Airflow, CFM	70	105	140	175	210	245	280	315	350	420
	T	3-5-7	5-7-10	6-9-12	7-10-14	8-11-15	9-12-16	9-12-17	10-12-18	10-13-19	11-14-20
	NC	—	11	18	24	27	32	36	40	43	49

Models UNI and AUNI • 24 x 24 (600 x 600) Face Size • 2-Way Blow

Nominal Neck Size	Neck Velocity, FPM	200	300	400	500	600	700	800	900	1000	1200
	VP	.003	.006	.010	.016	.023	.031	.040	.051	.063	.090
6" Dia.	TP	.007	.016	.028	.043	.063	.085	.111	.141	.174	.240
	Airflow, CFM	40	60	80	100	120	140	160	180	200	235
	T	1-3-4	2-4-5	2-5-6	3-4-7	4-6-9	4-6-10	5-6-10	6-7-11	6-8-12	7-9-13
	NC	—	—	—	12	18	24	29	33	37	43
8" Dia.	TP	.013	.028	.050	.078	.113	.153	.200	.253	.313	.450
	Airflow, CFM	70	105	140	175	210	245	280	315	350	420
	T	2-2-4	2-3-7	3-5-9	5-7-9	6-8-11	7-9-12	8-10-13	9-11-14	10-12-15	11-13-17
	NC	—	—	—	16	22	28	33	37	41	47
10" Dia.	TP	.029	.065	.115	.174	.259	.344	.451	.572	.707	1.022
	Airflow, CFM	110	165	220	270	330	380	435	490	545	655
	T	3-4-7	3-5-10	5-7-13	7-9-14	8-11-15	10-12-17	11-13-18	11-14-18	12-15-19	13-17-22
	NC	—	—	12	19	25	31	36	41	44	50
12" Dia.	TP	.042	.090	.162	.248	.360	.493	.647	.811	1.005	1.441
	Airflow, CFM	160	235	315	390	470	550	630	705	785	940
	T	4-5-10	5-8-14	8-11-17	10-14-19	11-15-20	14-17-23	16-18-25	16-19-25	18-21-27	19-22-29
	NC	—	—	15	22	28	34	39	43	47	53
14" Dia.	TP	.056	.130	.229	.356	.511	.704	.916	1.156	1.425	2.045
	Airflow, CFM	210	320	425	530	635	745	850	955	1060	1270
	T	5-7-14	7-11-18	11-15-23	14-19-26	16-21-28	19-22-31	20-24-33	20-26-33	23-28-36	25-30-38
	NC	—	—	17	24	30	36	41	45	49	55
15" Dia.	TP	.071	.161	.283	.446	.637	.872	1.144	1.453	1.784	2.548
	Airflow, CFM	245	370	490	615	735	860	985	1110	1230	1470
	T	6-9-17	9-13-21	14-19-26	16-21-30	19-24-33	23-26-35	23-27-38	23-28-39	25-29-42	28-31-42
	NC	—	10	18	25	31	37	42	46	50	56

CFM - cubic feet per minute

FPM - feet per minute velocity

TP - total pressure - inches w.g.

VP - velocity pressure - inches w.g.

T - throw in feet

NC - Noise Criteria (values) based on 10 dB room absorption, re 10⁻¹² watts.

Performance Notes:

1. Horizontal throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.

2. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 - 2006.

Neck Size Diameter in Inches	Nominal Overall Face Size	Ak Factor
6	12 x 12	0.053
8	12 x 12	0.065
6	24 x 24	0.103
8	24 x 24	0.124
10	24 x 24	0.158
12	24 x 24	0.192
14	24 x 24	0.219
15	24 x 24	0.243

PRELUDE® XL® and PRELUDE XL HIGH RECYCLED CONTENT (HRC)

15/16" Exposed Tee System

Declare™
Living Building
Challenge Compliant

SUSTAIN™
High Performance
Sustainable
Ceiling Systems



UP TO **63%** RECYCLED CONTENT

Calculate LEED contribution at
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LEED	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting materials	lighting quality	acoustics
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LOCATION DEPENDENT



KEY SELECTION ATTRIBUTES

- Seismic Rx® Suspension System saves time and money; offer an ICC-ES approach to installations (ESR-1308)
- Prelude® XL® is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- PeakForm® profile increases strength and stability for improved performance during installation 
- SuperLock™2 main beam clip is engineered for a strong, secure connection and fast accurate alignment confirmed with an audible click; easy to remove/relocate
- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized or painted systems

- Made-to-Order main beams and cross tees can be ordered for your project needs in one carton minimums
- Available with TrioGuard™ coating that resists dirt, bacteria, mold, mildew, and color fading
- XL² staked-on end detail provides secure locked connection; easy to remove, reuse, and relocate
- Fire Guard™ options offer UL design fire-rated performance
- Some items available in metric sizes
- 10-Year Limited System Warranty; 30-Year Limited Ceiling Systems Warranty when used with HumiGuard® Plus products



TYPICAL APPLICATIONS

- Retail
- Education
- Healthcare
- Offices
- Hospitality

Blizzard White powder-coated finish coordinates with Optima®, Ultima®, Calla®, and Lyra® ceiling panels for a clean, seamless, monolithic installed visual.

Linear lighting integration is easy with made-to-order main beam-to-cross tee adapters, rout spacing, miter spacing, and short cross tees (3" to 6" lengths).

VISUAL SELECTION

Item No.	Face Profile	Description	Rout Spacing	Dimensions (Inches)	Load Test Data (Lbs./Lin. Ft.)		Fire Guard™	Seismic Category	PACKAGING	
					L/360	Lbs./Lin. Ft.			Pcs./Ctn.	Lin. Ft./Ctn.
Prelude XL (Red Numbers are Fire Guard Items)							4 Ft.	5 Ft.		
<input type="checkbox"/> 7301_♦	15/16"	12' HD Main Beam	6" O.C.	144 x 15/16 x 1-11/16"	16.73	8.73	-	•	20	240
<input type="checkbox"/> 7301HRC									20	240
<input type="checkbox"/> 8301									20	240
<input type="checkbox"/> 7300_♦	15/16"	12' ID Main Beam	6" O.C.	144 x 15/16 x 1-11/16"	13.5	6.35	-	-	20	240
<input type="checkbox"/> 8300_†									20	240
<input type="checkbox"/> 7305_♦	15/16"	140" ID Main Beam	10" O.C.	140 x 15/16 x 1-11/16"	10.73	8.73	-	-	20	233
<input type="checkbox"/> 7306_♦	15/16"	132" HD Main Beam	10", 30", 50", 56", 76", 96", 116", 122"	132 x 15/16 x 1-11/16"	16.73	8.73	-	•	20	220
<input type="checkbox"/> 7307_♦	15/16"	126" HD Main Beam	10", 30", 50", 70", 90", 110", 116"	126 x 15/16 x 1-11/16"	-	-	-	•	20	210
<input type="checkbox"/> 7302_♦	15/16"	10' ID Main Beam	6" O.C.	120 x 15/16 x 1-11/16"	13.5	6.35	-	-	20	200
<input type="checkbox"/> XL7380_♦	15/16"	8' Cross Tee	12" O.C.	96 x 15/16 x 1-11/16"	12.12**	-	-	•	20	160
<input type="checkbox"/> XL7390_♦	15/16"	6' Cross Tee	12" O.C.	72 x 15/16 x 1-11/16"	12.24*	-	-	•	20	120
<input type="checkbox"/> XL7357_♦	15/16"	5' Cross Tee	6", 12", 24", 30", 36", 48", 54"	60 x 15/16 x 1-11/16"	-	7.61	-	•	60	300
<input type="checkbox"/> XL7358_♦	15/16"	5' Cross Tee	6", 20", 30", 40", 54"	60 x 15/16 x 1-11/16"	-	7.61	-	•	60	300
<input type="checkbox"/> XL7341_***	15/16"	4' Cross Tee	12" O.C.	48 x 15/16 x 1-11/16"	16.89	-	-	•	60	240
<input type="checkbox"/> XL7341HRC									60	240
<input type="checkbox"/> XL8341									60	240
<input type="checkbox"/> XL7340_♦	15/16"	4' Cross Tee	12" O.C.	48 x 15/16 x 1-11/16"	12.25	-	-	•	60	240
<input type="checkbox"/> XL8340_†									60	240
<input type="checkbox"/> XL7342_♦	15/16"	4' Cross Tee	12" O.C.	48 x 15/16 x 1-1/2"	7.8	-	-	•	60	240
<input type="checkbox"/> XL7348_♦	15/16"	4' Cross Tee	12"	48 x 15/16 x 1-3/8"	6.78	-	-	•	60	240
<input type="checkbox"/> XL7330_***	15/16"	3' Cross Tee	-	36 x 15/16 x 1-11/16"	20.3 @ 3'	-	-	•	60	180
<input type="checkbox"/> XL7378_♦	15/16"	30" Cross Tee	-	30 x 15/16 x 1-3/8"	16.54 @ 2.5'	-	-	•	60	150
<input type="checkbox"/> XL7328_♦	15/16"	2' Cross Tee	-	24 x 15/16 x 1-3/8"	36.0 @ 2'	-	-	•	60	120
<input type="checkbox"/> XL8323_†									60	120
<input type="checkbox"/> XL8320HRC	15/16"	2' Cross Tee	-	24 x 15/16 x 1-11/16"	61.33 @ 2'	-	-	•	60	120
<input type="checkbox"/> XL8320_†									60	120
<input type="checkbox"/> XL7368_♦	15/16"	20" Cross Tee	-	20 x 15/16 x 1-3/8"	36.0 @ 1.67'	-	-	•	60	100
<input type="checkbox"/> XL7398_♦	15/16"	18" Cross Tee	-	18 x 15/16 x 1-3/8"	-	-	-	•	60	90
<input type="checkbox"/> XL7318_♦	15/16"	1' Cross Tee	-	12 x 15/16 x 1-3/8"	36.0 @ 1'	-	-	•	120	120
<input type="checkbox"/> XL7304_♦	15/16"	4" Cross Tee	-	4 x 15/16 x 1-11/16"	-	-	-	•	60	20
<input type="checkbox"/> XL7306_♦	15/16"	6" Cross Tee	-	6 x 15/16 x 1-11/16"	-	-	-	•	60	30

PERFORMANCE

Fire Guard™	Seismic Category
Dots represent high level of performance.	

PACKAGING

Pcs./Ctn.	Lin. Ft./Ctn.
20	240
20	240
20	240
20	240
20	240
20	233
20	220
20	210
20	200
20	160
20	120
60	300
60	300
60	240
60	240
60	240
60	240
60	180
60	150
60	120
60	120
60	120
60	120
60	100
60	90
120	120
60	20
60	30

PRELUDE® XL® and PRELUDE XL HIGH RECYCLED CONTENT (HRC)

15/16" Exposed Tee System

VISUAL SELECTION

PERFORMANCE

PACKAGING

Item No.	Face Profile	Description	Rout Spacing	Dimensions (Inches)	Load Test Data (Lbs./Lin. Ft.)		Fire Guard™	Seismic Category	Pcs./Ctn.	Lin. Ft./Ctn.
					L/360	Lbs./Lin. Ft.				
Prelude® XL® continued					4 Ft.	5 Ft.				
Size Capabilities		Main Beams Length	Cross Tees Length							
15/16"	1 CTN MIN Made-to-Order Sizes or Colors (2 Wks)	36" – 144"	6" – 144"							
		Rout spacing 3" from ends, 6" thereafter NOTE: Up to 6 Weeks for Color & Size Combinations								

Fire Guard™ **Seismic Category**

Dots represent high level of performance.

Varies

Varies

ASTM Class
HD – Heavy-duty
ID – Intermediate-duty
LD – Light-duty

Made-to-Order main beams and cross tees can be ordered with special sizes, rout spacing, and colors for your project needs in one carton minimums.

- * Simple Span
 - ** Hanger Wire Support Mid-Span
 - *** Items available in White, Tech Black, and Blizzard White powder-coated finish
 - ◆ Items available in Standard, Premium, and Blizzard White powder-coated finish
 - ◇ Items available in White and Blizzard White powder-coated finish
 - † Items 8300, XL8320, XL8323, XL8340 available in Black (BL) or White (WH) only
- When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7301HA – Haze)

NOTE: Additional Prelude XL items for TechZone® Ceiling Systems are listed in the TechZone Technical Guide (BPCS-4486). Available online at armstrongceilings.com/techzone

Item No.◆	Face Profile	Description	Dimensions (Inches)	Load Test Data (Lbs./Lin. Ft.)		Fire Guard™	Seismic Category	Pcs./Ctn.	Lin. Ft./Ctn.
Prelude XL Painted Grid to Match Axiom® Trim (360° Painted – Powder Coated Paint)				4 Ft.	5 Ft.				
<input type="checkbox"/> AX73003_ _	15/16"	12" ID Main Beam, Routs 6" OC	144 x 15/16 x 1-11/16"	13.5	6.35	–	–	20	240
<input type="checkbox"/> AX73013_ _	15/16"	12" HD Main Beam, Routs 6" OC	144 x 15/16 x 1-11/16"	16.73	8.73	–	–	20	240
<input type="checkbox"/> AX73423_ _	15/16"	4' Cross Tee, Routs 12" OC	48 x 15/16 x 1-1/2"	7.8	–	–	–	60	240
<input type="checkbox"/> AX73283_ _	15/16"	2' Cross Tee	24 x 15/16 x 1-3/8"	36.0 @ 2'	–	–	–	60	120
<input type="checkbox"/> AX73183_ _	15/16"	1' Cross Tee	12 x 15/16 x 1-3/8"	36.0 @ 1'	–	–	–	120	120
<input type="checkbox"/> AX73583_ _	15/16"	5' Cross Tee Routs 6", 20", and 30" from ends	60 x 15/16 x 1-1/2"	7.61	–	–	–	60	300
<input type="checkbox"/> AX73783_ _	15/16"	30" Cross Tee	30 x 15/16 x 1-3/8"	16.54 @ 2.5	–	–	–	60	150
<input type="checkbox"/> AX83403_ _	15/16"	4' Cross Tee, Routs 12" OC	48 x 15/16 x 1-1/2"	–	–	–	–	60	–
<input type="checkbox"/> AXAL7220_ _	15/16"	2' Cross Tee	24 x 15/16 x 1-1/2"	–	–	–	–	60	120

Fire Guard™ **Seismic Category**

Dots represent high level of performance.

When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7301HA – Haze)

VISUAL SELECTION

PACKAGING

Item No.	Description	Length	(A) Flange	(B) Height	(C) Reveal	(D) Reveal	Pcs./Ctn.	Lin. Ft./Ctn.
Suggested Wall Moldings and Shadow Moldings								
<input type="checkbox"/> 7800 ◆	12' Hemmed Angle Molding	144"	7/8"	7/8"	–	–	30	360
<input type="checkbox"/> 7800HRC								
<input type="checkbox"/> 7808 ◆	10' Hemmed Angle Molding	120"	2"	2"	–	–	10	100
<input type="checkbox"/> 780812 ◆	12' Hemmed Angle Molding	144"	2"	2"	–	–	10	120
<input type="checkbox"/> 7807	10' Hemmed Angle Molding	120"	2"	1"	–	–	10	100
<input type="checkbox"/> 7875 ◆	10' Shadow Molding	120"	3/4"	15/16"	1/2"	–	30	300
<input type="checkbox"/> 7877 ◆◆◆	10' Shadow Molding	120"	15/16"	15/16"	1/4"	–	30	300
<input type="checkbox"/> 7878 ◆◆◆	10' Shadow Molding	120"	15/16"	15/16"	3/8"	–	30	300
<input type="checkbox"/> 7897 ◆◆◆	10' Shadow Molding	120"	15/16"	15/16"	1/2"	–	30	300
<input type="checkbox"/> 7888_ _	10' Shadow Molding	120"	15/16"	15/16"	3/8"	1/4"	30	300
<input type="checkbox"/> 7850 ◆	12' Hemmed Angle Molding	120"	1-1/8"	7/8"	–	–	30	300
<input type="checkbox"/> 7851 ◆	12' Hemmed Angle Molding	144"	1-1/8"	7/8"	–	–	30	360

- ◆◆ Suitable for IBC Category D,E,F installations using Armstrong® Seismic Rx® and BERC2 Clip
 - ◆◆◆ Items available in Standard, Premium, and Blizzard White powder-coated finish
 - ◆◆◆ Items available in White and Blizzard White powder-coated finish
- When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7301HA – Haze)

PRELUDE® XL® and PRELUDE XL HIGH RECYCLED CONTENT (HRC)

15/16" Exposed Tee System

Configuration		Item No.	MAXIMUM FIXTURE WEIGHT				Hanger Spacing		Maximum Weight	
A	B		Fixture		Planning Module		A	B	A	B
Main Beam to Main Beam – Drawing Key: Main beam (↑) Cross tee (---) Hanger wire (↔)										
		7300/8300/7302 7301/8301	24" x 48" 24" x 48"	24" x 48" 24" x 48"	48" x 48" 48" x 48"	48" x 48" 48" x 48"	48"	48"	69.27 lbs. 72.32 lbs.	49.27 lbs. 72.32 lbs.
		7300/8300/7302 7301/8301	12" x 48" 12" x 48"	12" x 48" 12" x 48"	48" x 48" 48" x 48"	48" x 48" 48" x 48"	48"	48"	54.26 lbs. 100.0 lbs.	47.17 lbs. 63.32 lbs.
		7300/8300/7305 7301/8301	24" x 48" 24" x 48"	20" x 60" 20" x 60"	60" x 60" 60" x 60"	60" x 60" 60" x 60"	48"	48"	56.47 lbs. 56.47 lbs.	43.21 lbs. 65.46 lbs.

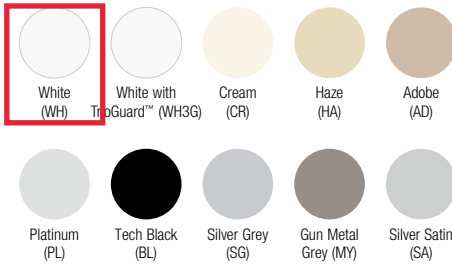
Main beams tested as follows: 7300 tested at 13.0 lbs./LF to 1/360 of 4' span; 7301 tested at 16.5 lbs./LF to 1/360 of 4' span.

Configuration		Item No.	MAXIMUM FIXTURE WEIGHT				Hanger Spacing		Maximum Weight	
A	B		Fixture		Planning Module		A	B	A	B
Cross Tee to Cross Tee – Drawing Key: Main beam (↑) Cross tee (---) Hanger wire (↔)										
		XL8340/XL7340 XL7342 XL8341/XL7341	24" x 48" 24" x 48" 24" x 48"	24" x 24" 24" x 24" 24" x 24"	64" x 60" 64" x 60" 64" x 60"	48" x 48" 48" x 48" 48" x 48"	48"	48"	69.27 lbs. 40.89 lbs. 81.67 lbs.	80.55 lbs. 52.26 lbs. 100.0 lbs.
		XL8340/XL7340 XL8341/XL7341	24" x 48" 24" x 48"	12" x 48" 12" x 48"	48" x 48" 48" x 48"	48" x 48" 48" x 48"	48"	48"	49.27 lbs. 72.32 lbs.	42.17 lbs. 63.32 lbs.

Fixtures weighing more than 56 lbs. should be independently supported. Fixture weight is based on single fixture only. For end-to-end fixtures or other configurations not shown, consult your Armstrong Ceilings representative.
NOTE: The above data is based on 48" hanger wire spacing, board weight of 1 lb./SF, maximum deflection of tees not to exceed 1/360 of the span, and suspension system installed in accordance with ASTM C636.

COLOR AND FINISH SELECTION

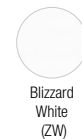
Standard



Premium



Powder-coated Finish*



†† Capping only

††† Peel-off protective film on exposed surfaces to protect from scuffing or marking during installation

* Items available in powder-coated finish

When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7301HA – Haze)

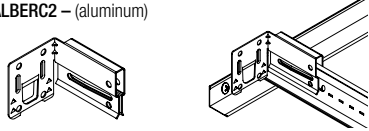
PRELUDE® XL® and PRELUDE XL HIGH RECYCLED CONTENT (HRC)

15/16" Exposed Tee System

ACCESSORIES

BERC2 – 2" Beam End Retaining Clip – Allows you to create a code compliant Seismic D, E, F ceiling installation while eliminating the need to use 2" wall molding or spreader bars.

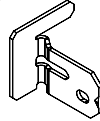
ALBERC2 – (aluminum)



- BERC2** (Steel) – 200 pcs
- ALBERC2** (Aluminum) – 200 pcs
- FZBERC2** (Steel) – 50 pcs
- FZALBERC2** (Aluminum) – 50 pcs

STAC – Single Tee Adapter Clip –

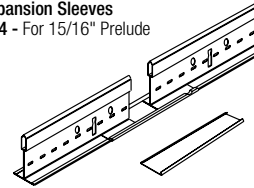
Used to create code compliant non-seismic and seismic C and D, E, F off-module main beam to cross tee connections.



- STAC** – 120 pcs
- FZSTAC** – 50 pcs

Expansion Sleeves

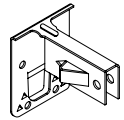
ES4 - For 15/16" Prelude



- ES4** – 200 pcs
- FZES4** – 50 pcs

GCWA – Grip Clip

Wall Attachment – Joins main beam or cross tee to wall molding via locking bars without pop rivets or screws.



- GCWA** – 250 pcs
- FZGCWA** – 50 pcs

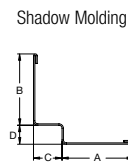
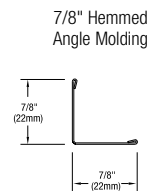
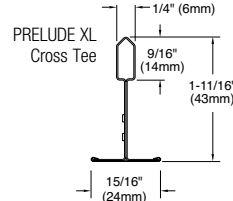
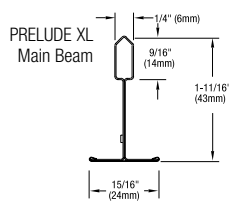
DETAILS



PRELUDE XL
Main Beam



PRELUDE XL
Cross Tee



SEISMIC PERFORMANCE

Main Beams

7301, 7301HRC, 7306, 7307, 8301

Minimum Lbs. To Pull Out Compression/Tension

335.0
330.0

Cross Tees

All XL cross tees exceed 300 lbs. in both compression and tension.

ICC Reports

For areas under ICC jurisdiction, see ICC evaluation report number ESR-1308 for allowable values and/or conditions of use concerning the suspension system components listed on this page. The report is subject to reexamination, revisions, and possible cancellation.

PHYSICAL DATA

Material

Hot dipped galvanized steel

Surface Finish

Baked polyester paint or powder coated

Manufactured and tested in accordance with ASTM C635

Face Dimension

15/16"

Profile

Exposed tee

Cross Tee/Main Beam Interface

Override

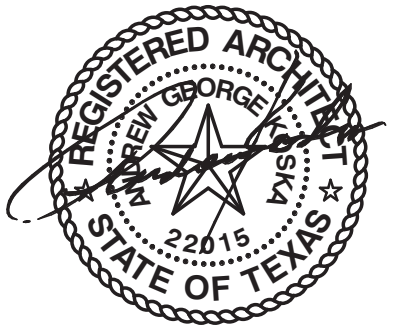
End Detail

Main Beam: Staked-on clip

Cross Tee: Staked-on clip

Duty Classification

Intermediate or Heavy-duty



RCP GENERAL NOTES

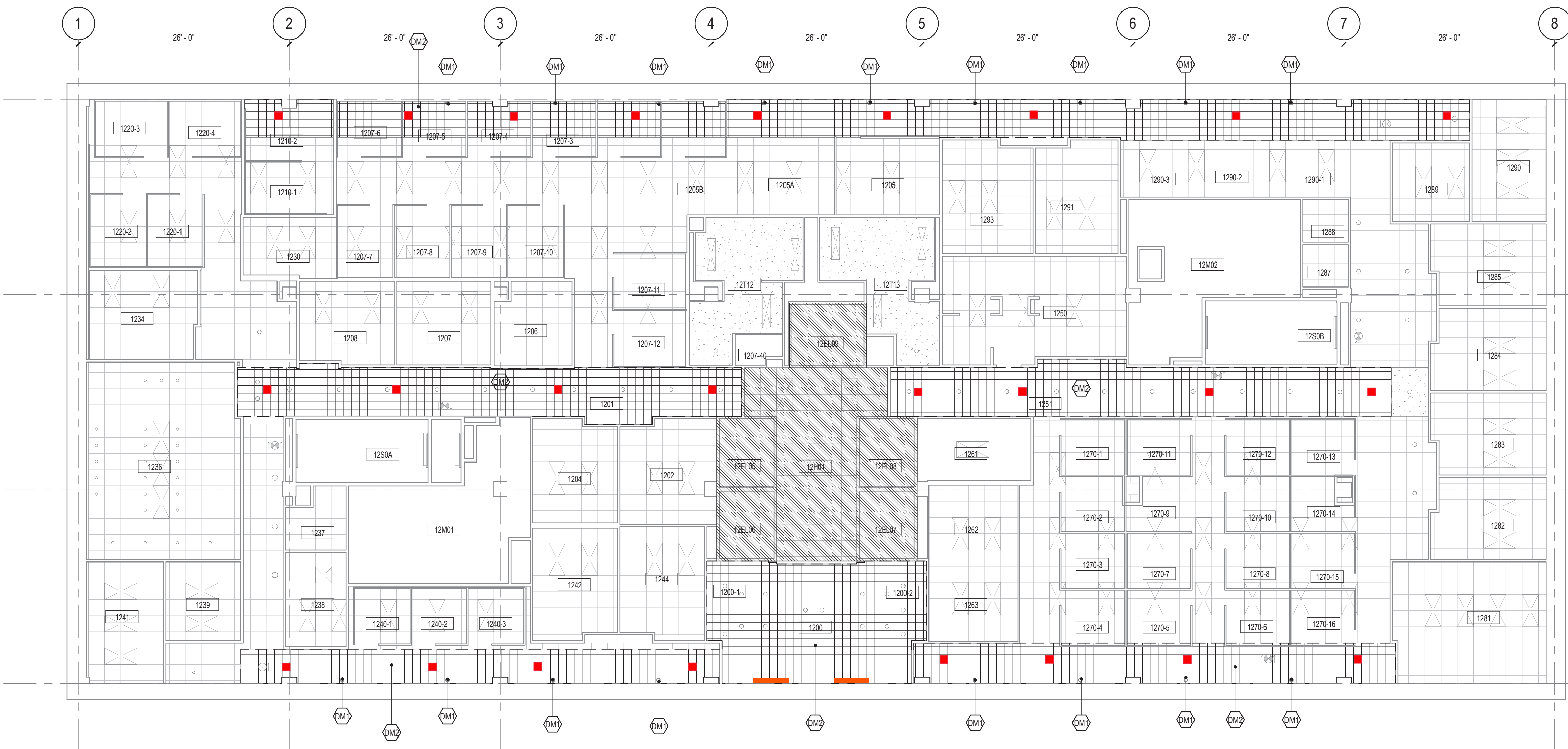
- THE CONTRACTOR SHALL COMPARE THIS REFLECTED CEILING PLAN WITH ELECTRICAL LIGHTING PLANS, MECHANICAL SUPPLY, RETURN, AND EXHAUST PLANS. THE CONTRACTOR SHALL REPORT ANY OMISSIONS OR INCONSISTENCIES TO THE ARCHITECT.
- SEE ELECTRICAL DRAWINGS FOR THE LOCATIONS OF CEILING MOUNTED SMOKE DETECTORS, SPEAKERS, EXIT SIGNAGE, FIRE ALARM DEVICES, WALL MOUNTED EXIT LIGHTS, ETC.
- 18" MINIMUM VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN THE BOTTOM OF EXTENDED SPRINKLER HEADS AND THE TOP OF ANY FILES, SHELVING, LOCKERS, ETC.
- THE CONTRACTOR SHALL VERIFY THAT ACCESS PANELS OF TYPE SPECIFIED ARE INSTALLED IN NON-ACCESSIBLE TYPE CEILINGS WHERE SERVICE OR ADJUSTMENT TO MECHANICAL, PLUMBING, OR ELECTRICAL ITEMS MAY BE REQUIRED. ACCESS PANELS SHALL BE THE FIRE RATED TYPE EQUAL TO THE RATING OF THE CEILING IN WHICH THEY OCCUR. CONTRACTOR TO VERIFY ACCESS PANEL LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION.
- ALL NEW CEILINGS TO MATCH EXISTING CEILING HEIGHT. ALL NEW CEILINGS TO BE APC-1 UNO.
- ADJUST DIFFUSER LOCATIONS AND PROVIDE NEW DIFFUSERS AS REQUIRED TO SUITE NEW RCP. FOR SUPPLY AIR DIFFUSERS PROVIDE NEW FLEX DUCT BACK TO MAIN SUPPLY DUCTWORK.
- PROVIDE WALL MOUNTED LIGHT FIXTURE AT EACH STAIR LANDING. CENTER LIGHT ON WALL. REFER TO ELECTRICAL FOR MOUNTING HEIGHT AND FIXTURE TYPE.

RCP LEGEND

- AREA NOT IN SCOPE
- SUSPENDED 2 X 2' ACOUSTICAL CEILING SYSTEM
- SUSPENDED 2 X 4' ACOUSTICAL CEILING SYSTEM
- SUSPENDED 2 X 2' ACOUSTICAL CEILING SYSTEM - EUROSTONE TILE
- SPLINE 1 X 1' ACOUSTICAL CEILING SYSTEM
- GYPSUM BOARD CEILING
- C.J. CONTROL JOINT
- CEILING DETAIL / SECTION TAG
- CEILING HEIGHT DESIGNATION PER AREA. WHERE NO HEIGHT IS DESIGNATED, ASSUME 9'-0"
- CAN FIXTURE
- 2x4' LIGHT FIXTURE
- 1x4' LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- TRACK LIGHT

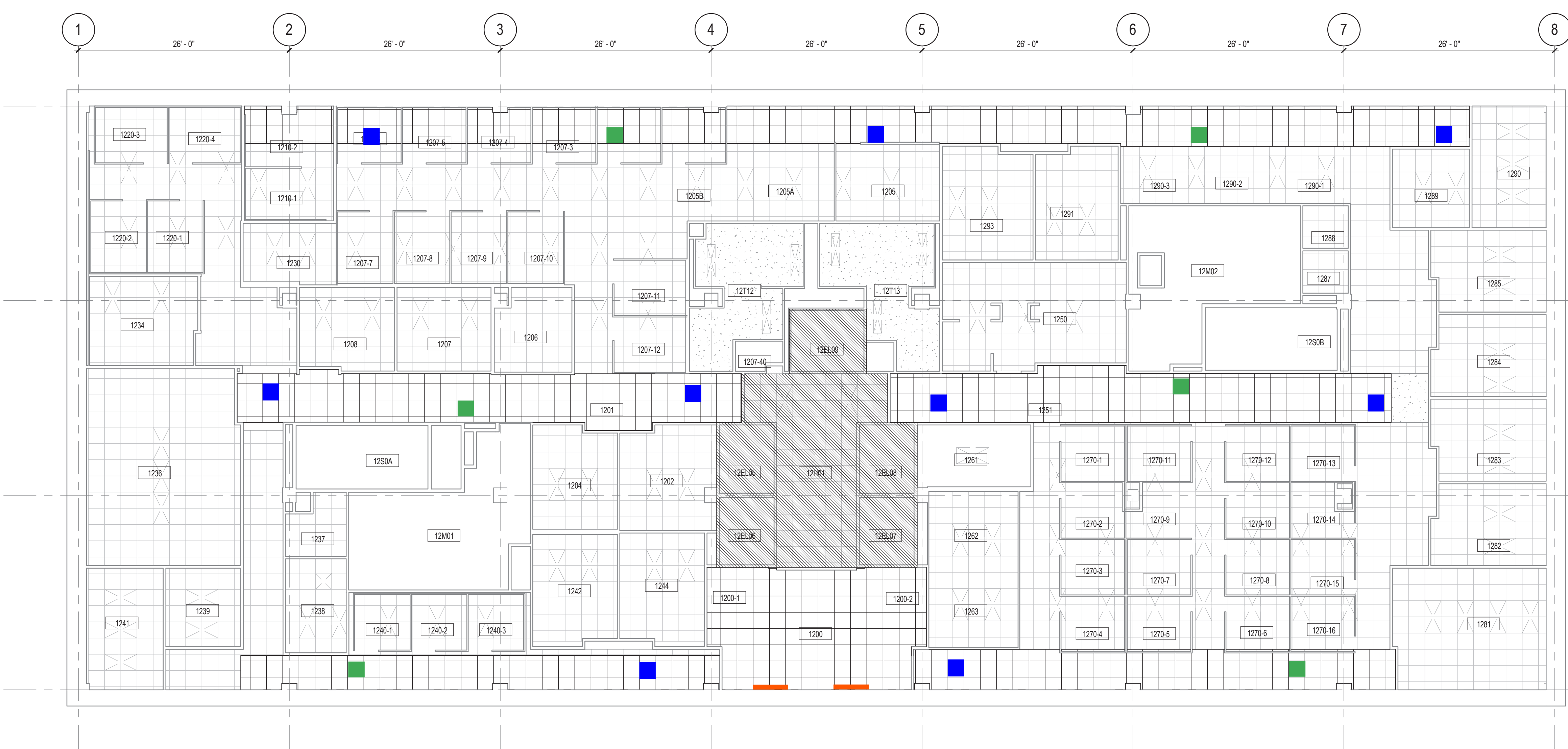
RCP NOTES BY NUMBER

- <<< Indicates Sheet Keynote on Plan
- DM1 REPLACE ALL EXISTING FLUORESCENT LIGHT FIXTURES WITH LED LIGHT FIXTURES. RCP'S SHOULD REFLECT UPDATED LIGHTING CALCULATIONS AND REDUCTIONS. REMOVE EXISTING OCCUPANCY SENSORS AND ALL INDICATED WALL SCENES. PATCH AND REPAIR WALL. REPLACE EXISTING CAN LIGHTS IN APC CEILINGS TO 2X2 OR 2X4 FIXTURES PER DRAWINGS.
- DM2 REMOVE ALL IDENTIFIED SPLINE CEILINGS AND 2X4 CEILINGS AND REPLACE WITH 2X2 CEILING GRID AND CORTEGA TILE. REPLACE ALL EUROSTONE TILE WITH 2X2 CORTEGA TILE IN EXISTING GRID.



2 DEMO REFLECTED CEILING PLAN - LEVEL 12
1/8" = 1'-0"

Supply to be demolished
 linear supply remains



1 NEW REFLECTED CEILING PLAN - LEVEL 12
1/8" = 1'-0"

New supply with 8 inch tap
 New return with 10 inch opening
 linear supply remains



ISSUE FOR CONSTRUCTION 03/04/2020

RCP GENERAL NOTES

1. THE CONTRACTOR SHALL COMPARE THIS REFLECTED CEILING PLAN WITH ELECTRICAL LIGHTING PLANS, MECHANICAL SUPPLY, RETURN, AND EXHAUST PLANS. THE CONTRACTOR SHALL REPORT ANY OMISSIONS OR INCONSISTENCIES TO THE ARCHITECT.
2. SEE ELECTRICAL DRAWINGS FOR THE LOCATIONS OF CEILING MOUNTED SMOKE DETECTORS, SPEAKERS, EXIT SIGNAGE, FIRE ALARM DEVICES, WALL MOUNTED EXIT LIGHTS, ETC.
3. 18" MINIMUM VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN THE BOTTOM OF EXTENDED SPRINKLER HEADS AND THE TOP OF ANY FILES, SHELVING, LOCKERS, ETC.
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7. PROVIDE WALL MOUNTED LIGHT FIXTURE AT EACH STAIR LANDING. CENTER LIGHT ON WALL. REFER TO ELECTRICAL FOR MOUNTING HEIGHT AND FIXTURE TYPE.

RCP LEGEND

- AREA NOT IN SCOPE
- SUSPENDED 2' X 2' ACOUSTICAL CEILING SYSTEM
- SUSPENDED 2' X 4' ACOUSTICAL CEILING SYSTEM
- SUSPENDED 2' X 2' ACOUSTICAL CEILING SYSTEM - EUROSTONE TILE
- SPLINE 1' X 1' ACOUSTICAL CEILING SYSTEM
- GYPSON BOARD CEILING
- C.J. CONTROL JOINT
- CEILING DETAIL / SECTION TAG
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- 2'x4' LIGHT FIXTURE
- 1'x4' LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- TRACK LIGHT

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- DM2 REMOVE ALL IDENTIFIED SPLINE CEILINGS AND 2'X4' CEILINGS AND REPLACE WITH 2'X2' CEILING GRID AND CORTEGA TILE. REPLACE ALL EUROSTONE TILE WITH 2'X2' CORTEGA TILE IN EXISTING GRID.



Supply to be demolished

2 REFLECTED CEILING PLAN - LEVEL 15
1/8" = 1'-0"

Remove from scope. Already complete

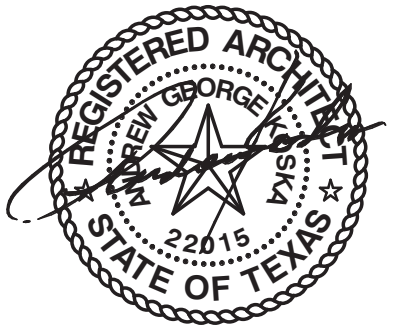


New supply with 8 inch tap

New return with 10 inch opening

1 NEW REFLECTED CEILING PLAN - LEVEL 15
1/8" = 1'-0"

Remove from scope. Already complete



ISSUE FOR CONSTRUCTION 03/04/2020

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■ Supply to be demolished

RCP LEGEND

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- SUSPENDED 2' X 4' ACOUSTICAL CEILING SYSTEM
- SUSPENDED 2' X 2' ACOUSTICAL CEILING SYSTEM - EUROSTONE TILE
- SPLINE 1' X 1' ACOUSTICAL CEILING SYSTEM
- GYPSUM BOARD CEILING
- CONTROL JOINT
- CEILING DETAIL / SECTION TAG
- CEILING HEIGHT DESIGNATION PER AREA. WHERE NO HEIGHT IS DESIGNATED, ASSUME 9'-0"
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- TRACK LIGHT

RCP NOTES BY NUMBER

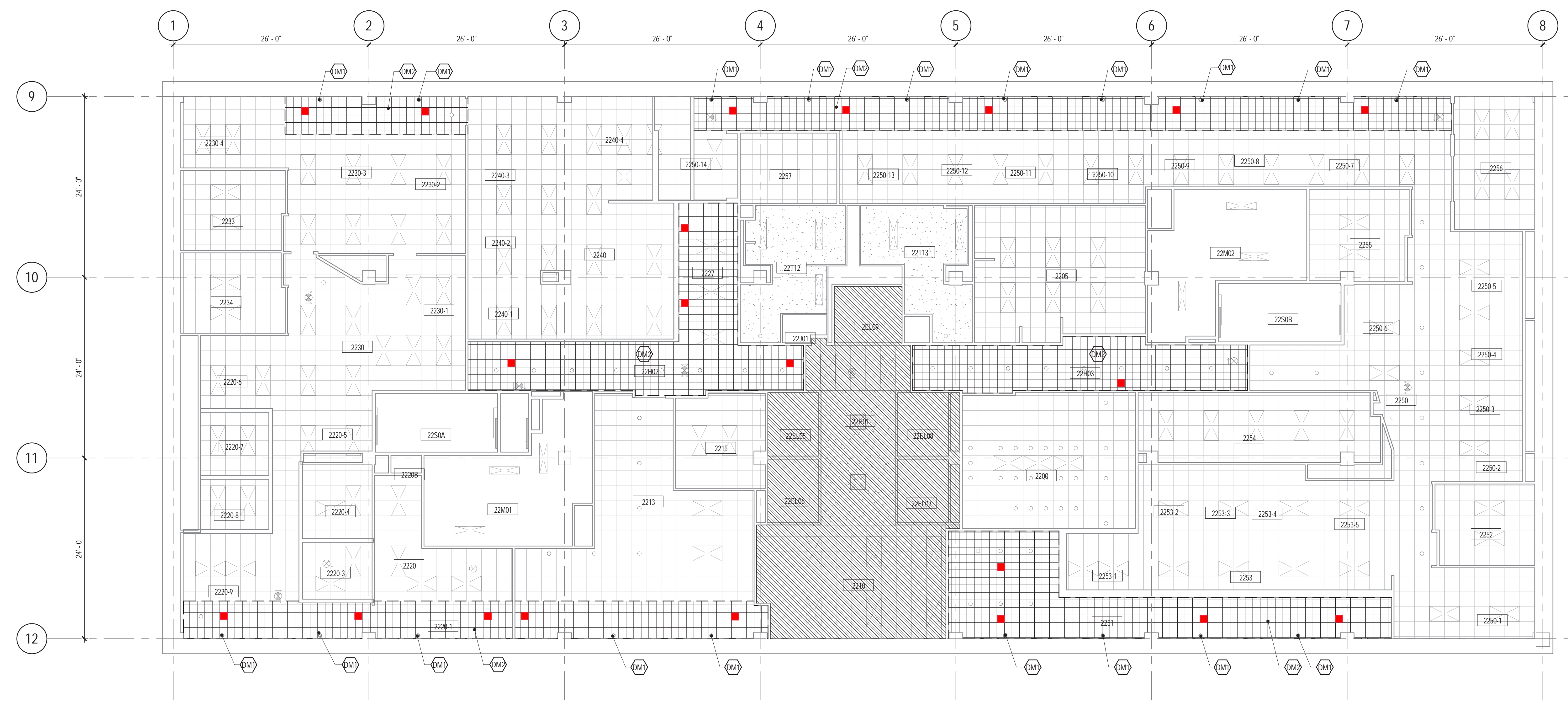
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ISSUE	ISSUE	DATE
Job Number	182179	0002
TITLE		

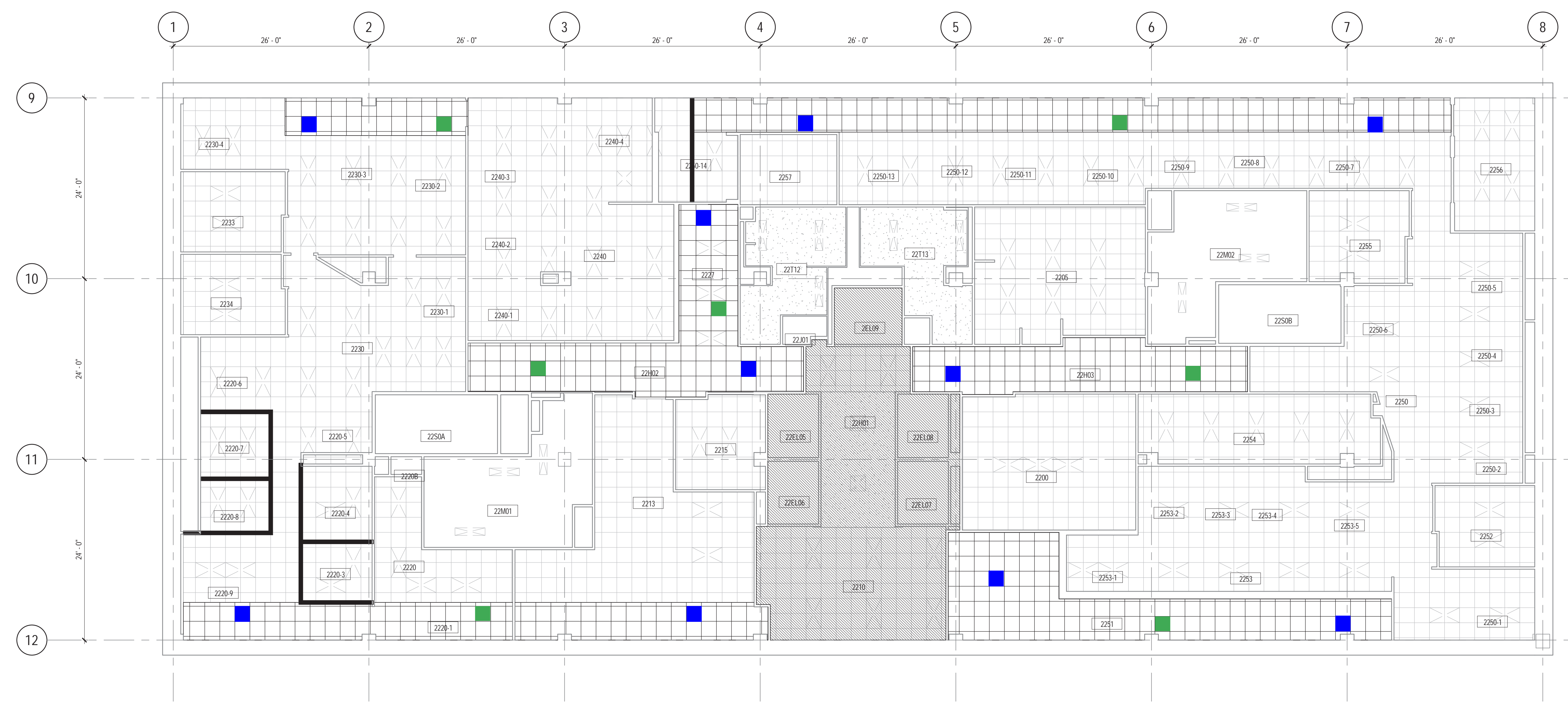
REFLECTED CEILING
PLAN - LEVEL 22

SHEET NUMBER

A12-22
Addendum 1



2 DEMO REFLECTED CEILING PLAN - LEVEL 22
1/8" = 1'-0"



1 NEW REFLECTED CEILING PLAN - LEVEL 22
1/8" = 1'-0"

REVISED - SECTION 6

PRICING AND DELIVERY SCHEDULE

Proposal of: _____
(Proposer Company Name)

To: The University of Texas Health Science Center at Houston

Ref.: UCT Emergency Light Code Compliance & LED Retrofit

RFP No.: 744-R2014

Ladies and Gentlemen:

Having carefully examined the Project Requirements, the General Conditions, the Plans and Specifications and any Addenda to the Plans and Specifications as prepared by the University of Texas Health Science Center at Houston (the Owner of this Project), as well as the premises and all conditions affecting the work, the undersigned promises to furnish all equipment, labor, materials, supervision, services, and required bonding to complete the entire work in complete accordance with the above document for the following firm, fixed prices. The University will not accept bids which include assumptions or exceptions to the work identified in the Project Requirements.

6.1 Total Base Price (Level 22)

Price: \$ _____

_____ DOLLARS

NOTE: Amounts shall be shown in both written and figure form. In the event of a discrepancy between the written amount and the figure amount, the written amount shall govern.

6.1.1 Breakdown of Base Price

Total Materials Cost \$ _____

Total Labor Cost \$ _____

Total General Conditions \$ _____

Total Overhead \$ _____

Total Profit \$ _____

6.2 Alternate 1 Price (Level 12)

Price: \$ _____

_____ DOLLARS

6.3 Alternate 2 Price (Level 15)

Price: \$ _____
_____ DOLLARS

6.4 Alternate 3 Price (Mall Level)

Price: \$ _____
_____ DOLLARS

6.5 Alternate 4 Price (Level 8)

Price: \$ _____
_____ DOLLARS

****Please provide a Schedule of Values of Base Bid and all Alternates along with your Pricing Bid****

6.6 Base Delivery Schedule

Indicate total time for completion of entire project.

Calendar Days to Complete _____
(Days to complete must match the days in the Construction Schedule document that is provided with the proposal documents.)

Additional Calendar Days to complete Alternate 1 (if applicable) _____

Additional Calendar Days to complete Alternate 2 (if applicable) _____

Additional Calendar Days to complete Alternate 3 (if applicable) _____

Additional Calendar Days to complete Alternate 4 (if applicable) _____

Your calendar days to complete the project must include the following:
NTP, Submittals, Procurement of Materials, Required Float, Construction

Substantial Completion Date: _____

Final Completion Date (close out documents, completion of punchlist): _____

Deductive Alternates working normal hours in lieu of non-normal hours*

	<u>Cost</u>	<u>Schedule (Working Days)</u>
Deductive Alternate 5 - Level 22	\$ _____	_____
Deductive Alternate 6 – Level 12	\$ _____	_____
Deductive Alternate 7 – Level 15	\$ _____	_____
Deductive Alternate 8 – Mall level	\$ _____	_____
Deductive Alternate 9 – Level 8	\$ _____	_____

**Non-Normal Hours: Monday-Friday 5pm-7am & Saturday & Sunday
Normal Hours: Monday-Friday 7am-5pm*

Your calendar days to complete the project must include the following:
NTP, Submittals, Procurement of Materials, Required Float, Construction

Substantial Completion Date: _____

Final Completion Date (close out documents, completion of punchlist): _____

Time is of the essence in the performance of Contractor's duties. Failure of the Contractor to notify UTHealth sufficiently in advance of inability to complete within the delivery schedule, shall grant UTHealth the option of imposing liquidated damages in the amount of fifteen hundred dollars (\$1,500.00) per calendar day. Notwithstanding the foregoing, UTHealth shall have no obligation to accept late performance or waive timely performance by Contractor.

6.3 University's Payment Terms

University's standard payment terms are "net 30 days" as mandated by the *Texas Prompt Payment Act* (ref. [Chapter 2251, Government Code](#)).

Indicate below the prompt payment discount that Proposer offers:

Prompt Payment Discount: _____% _____ days/net 30 days.

[Section 51.012, Education Code](#), authorizes University to make payments through electronic funds transfer methods. Respondent agrees to accept payments from University through those methods, including the automated clearing house system (ACH). Respondent agrees to provide Respondent's banking information to University in writing on Respondent letterhead signed by an authorized representative of Respondent. Prior to the first payment, University will confirm Respondent's banking information. Changes to Respondent's bank information must be communicated to University in writing at least thirty (30) days before the effective date of the change and must include an [IRS Form W-9](#) signed by an authorized representative of Respondent.

University, an agency of the State of Texas, is exempt from Texas Sales & Use Tax on goods and services in accordance with [Section 151.309, Tax Code](#), and [Title 34 TAC Section 3.322](#). Pursuant to [34 TAC Section 3.322\(c\)\(4\)](#), University is not required to provide a tax exemption certificate to establish its tax exempt status.

Respectfully submitted,

Proposer: _____

By: _____
(Authorized Signature for Proposer)

Name: _____

Title: _____

Date: _____