R.W. TOMLINSON - NEW HEAD OFFICE

TAL-CO Building Innovations
1341-2 Coker Street
Greely, Ontario K4P 1A1
Tel: 613-821-3959
Fax: 613-821-2938

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CLARIFICATION #16

The following modifications and clarifications are to be accounted for when tendering on this potential contract. As well, when entering into the Form of Agreement to do the work, they shall become a part thereof.

Instruction/Clarifications:

Please be advised that Clarification #16 has been issued for the above-mentioned project, as per the details below.

1. Revised Architectural Drawings – Construction Update – Dated 2-Feb-17. Available to view/download at www.tal-co.com .

2. New and Revised Specifications have been issued, as detailed below:

- 07 21 19 Foamed In Place Polyurethane Insulation REV 01 (5 Pages) – Rec'd 2-Feb-17
- 09 06 00 Room Finish Schedule REV 02 (6 Pages) – Rec'd 2-Feb-17
- 09 21 16 Gypsum Board Assemblies REV 01 (5 Pages) – Rec'd 2-Feb-17
- Schedule of Finishing Hardware – Trillium Architectural Products (71 Pages) 01-Feb-17

Reminder: It is your responsibility to consult ALL documents, drawings, sketches, Clarifications and Addenda.

For questions or further information, please contact the office by e-mail at info@tal-co.com.

End of Clarification No. 16

Part 1 General

1.01 RELATED SECTIONS

.1 Section 07 92 10 - Joint Sealing.

.2 Section 08 44 13 - Glazed Aluminum Curtain Walls.

1.02 REFERENCES

.1 American Society for Testing and Materials International (ASTM).

.1 ASTM C1029-15. Standard Specification for Spray-Applied Rigid Cellular Polyurethane Thermal Insulation.

.2 ASTM D3574-16. Standard Test Methods for Flexible Cellular Materials - Slab, Bonded, and Molded Urethane Foams.

.2 Underwriters' Laboratories of Canada (ULC).

.1 CAN/ULC-S101-14. Standard Method of Fire Endurance Tests of Building Construction and Materials.

.2 CAN/ULC-S102-10. Standard Method of Test for Surface Burning Characteristics of building Materials and Assemblies.

.3 CAN/ULC-S705.1-15. Standard for Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material Specification.

.4 CAN/ULC-S705.2:2005-R2016. Standard for Thermal Insulation Spray Applied Rigid Polyurethane Foam, Medium Density - Application.

1.03 SUBMITTALS

.1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.

.2 Submit manufacturer's printed product literature and data sheets for sprayed insulation. Include product characteristics, performance criteria, physical size, finish and limitations.

.3 Submit 2 copies of WHMIS MSDS.

.4 Provide the CCMC Evaluation Report and the manufacturer's documentation confirming material has been evaluated and conforms to the requirements of CAN/ULC-S705.1.

.5 Submit evaluation report or listing from a recognized evaluation service.

.6 Submit certified test reports for insulation from approved independent testing laboratories, indicating compliance with specifications for specified performance characteristics and physical properties.

.7 Submit test reports in accordance with CAN/ULC-S101 for fire endurance and CAN/ULC-S102 for surface burning characteristics.

.8 Submit manufacturer's installation instructions. Indicate preparation, installation sequencing, installation requirements and techniques. Indicate product storage and special handling criteria. Indicate limitations of the material and cleaning procedures.

.9 Submit Sustainable Design Submittals for LEED in accordance with Section 01 35 21 - LEED Requirements.

.1 Submit project Waste Management Plan and Waste Reduction Workplan highlighting recycling and salvage requirements.

.2 Submit calculations on end of project recycling rates, salvage rates, and landfill rates demonstrating that the specified rate of construction wastes were recycled or salvaged.

.3 Submit listing of recycled content products used, including details of required percentages or recycled content materials and products, showing their costs and percentages of post-consumer and post-industrial content, and total cost of materials for project.

.4 Submit evidence that project incorporates required percentage of regional materials and products, showing their cost, distance from project to furthest site of extraction or manufacture, and total cost of materials for project.

1.04 QUALITY ASSURANCE

.1 Manufacturer: company with experience in producing material required for this project, with sufficient production capacity to produce and deliver required units without causing delay.

.2 Applicators performing work under this section to be trained under the manufacturer's quality assurance program. Applicators to be trained by the manufacturer and licensed by a recognized certification service.

1.05 MOCK-UP

.1 Construct mock-up in accordance with Section 01 45 00 - Quality Control.

.2 Construct mock-up 10.0 square meters minimum of foamed in place polyurethane insulation. Include one inside corner, one outside corner. Include the complete perimeter of a door or window opening. When approved, Mock-up may be part of finished work.

.3 Allow 24 hours for inspection of mock-up by Consultant before proceeding.

1.06 SAFETY REQUIREMENTS

.1 Protect workers as recommended by CAN/ULC-S705.2 and manufacturer's recommendations.

.1 Workers must wear gloves, respirators, dust masks, long sleeved clothing, eye protection and protective clothing when applying foam insulation.

.2 Workers must not eat, drink or smoke while applying foam insulation.

1.07 DELIVERY STORAGE AND PROTECTION

.1 Deliver store and protect all materials in accordance with Section 01 61 00 - Common Product Requirements and manufacturer's written instructions.

.2 Deliver materials to site in original factory packaging, labelled with manufacturer's name and address.

.3 Store materials off ground, indoors, in dry location in clean, dry, well ventilated area.

.4 Store and protect materials from nicks, scratches, and blemishes. Replace defective or damaged materials with new.

1.08 WASTE MANAGEMENT AND DISPOSAL

.1 Separate and recycle waste materials in accordance with Section 01 74 21 - Construction / Demolition Waste Management And Disposal.

.2 Develop Construction Waste Management Plan and Waste Reduction Workplan in accordance with Section 01 35 21 - LEED Requirements.

.3 Remove for reuse and return to manufacturer, all pallets, crates, padding, and packaging materials.

.4 Collect and separate for disposal paper, plastic, polystyrene and corrugated cardboard packaging material in appropriate on-site bins for recycling in accordance with Waste Management Plan.

.5 Fold up metal banding, flatten and place in designated area for recycling.

.6 Dispose of waste foam daily in location designated by Consultant.

.7 Decontaminate empty drums in accordance with foam manufacturer's instructions. Divert metal drums from landfill to metal recycling facility as approved by Consultant

1.09 SITE CONDITIONS

.1 Ventilate area in accordance with Section 01 51 00 - Temporary Utilities.

.2 Ventilate area by introducing fresh air and exhausting air continuously during and 24 hours after application to maintain non-toxic, unpolluted, safe working conditions.

.3 Provide temporary enclosures to prevent spray and noxious vapours from contaminating air beyond application area.

.4 Protect adjacent surfaces and equipment from damage by overspray, fall-out, and dusting of insulation materials.

.5 Apply insulation only when surfaces and ambient temperatures are within manufacturers' prescribed limits.

Part 2 Products

2.01 MATERIALS

.1 Two component Insulation: to ASTM C1029 and CAN/ULC-S705.1, Type 2, two component, closed cell, spray applied rigid polyurethane foam. Medium density. Zero ozone depletion blowing agent.

- .1 Core density: minimum 40 kg/m3. (2.5 pcf).
- .2 Compressive strength: minimum 207 kPa. (30psi).
- .3 Tensile strength: 414 kPa. (60 psi).
- .4 Water absorption: less than 2 % by volume.
- .5 Dimensional stability: aged 28 days at 70°C at 97±3% RH: less than 9.0 % by volume.
- .6 Long term thermal resistance: minimum RSI 0.9 per 25 mm.
- .7 Water vapor permeance @ 50 mm thickness: less than 60 ng/Pa x second x square meter.
- .8 Specific gravity: 1.14 - 1.23.
- .9 Maximum thickness per pass: 50 mm.

.2 Primers: in accordance with manufacturer's recommendations for surface conditions.

.3 Accessories: air / vapour barrier membranes, mastics, sealants, liquids complete with required primers to complete the transitions for the air barrier system.

.4 One component Insulation: low pressure build, single component, low expansion, low density polyurethane foam. Zero ozone depletion propellant. Provided in an aerosol can. Designed for sealing gaps at the perimeter of window, doors and spandrel panels and other openings. Properties as follows:

.1 Density: to ASTM D3574: 0.94 to 1.56 pounds per cubic foot.

.2 Compression set: to ASTM D3574: 8.7 psi @ 10% deformation.

.3 Full cure: 24 hours.

.4 Acceptable Product: TremGlaze LEF by TREMCO.

2.02 EQUIPMENT

.1 Provide spray equipment in accordance with CAN/ULC-S705.2 and the equipment manufacturer's recommendations for specific type of application.

.2 Record equipment settings on the Daily Work Record as required by CAN/ULC- S705.2.

.3 Each proportioner unit to supply only one spray gun.

Part 3 Execution

3.01 EXAMINATION

.1 Verify that conditions of substrate are acceptable for sprayed insulation application accordance with manufacturer's written instructions.

.2 Visually inspect substrate in presence of Consultant. Prior to commencement of work, report in writing any defects or conditions that may adversely affect the performance of products installed under this section.

.3 Proceed with installation only after unacceptable conditions have been remedied. Commencement of work outlined in this section shall be deemed as acceptance of existing work and conditions.

3.02 PROTECTION

.1 Mask and cover adjacent areas to protect from over spray.

.2 Ensure any required foam stop or back up material are in place to prevent over spray and achieve complete seal.

.3 Seal off existing ventilation equipment. Install temporary ducting and fans to ensure exhaust fumes. Provide for make-up air.

.4 Erect barriers, isolate area and post warning signs to advise non-protected personnel to avoid the spay area.

3.03 SURFACE PREPARATION

.1 Surfaces to receive foam insulation shall be free of oil, grease, dust and debris. Surfaces to be clean, dry and properly fastened to ensure adhesion of the foam to the substrate.

.2 Ensure that all work by other trades that may penetrates through the thermal insulation is in place and complete.

.3 Ensure that surface preparation and any primers required conform to the manufacturers instructions.

3.04 APPLICATION

.1 Clean areas to receive insulation and apply primer. Apply primer in accordance with manufacturer's instructions.

.2 Apply two component foam insulation to primed surfaces in accordance with CAN/ULC-S705.2 and manufacturer's printed instructions.

.3 Apply one component low expansion foam in accordance with manufacturers instructions at perimeter of exterior doors, windows, spandrel panels and where indicated in the drawings. Trim off excess extrusion flush with adjacent construction after foam has set.

.4 Spray apply foam insulation in thickness as indicated in the drawings.

.5 Spray application of foam shall be performed in accordance with CAN/ULC-S705.2 and the manufacturers instructions.

.6 Apply only when surfaces and environmental conditions are within limits prescribed by the material manufacturer and CAN/ULC-S705.2.

.7 Apply in consecutive passes as recommended by manufacturer to thickness as indicated on drawings. Passes shall be not less than 15 mm and not greater than 50 mm.

.8 Do not install spray foam within 75 mm of heat emitting devices such as light fixtures and chimneys.

.9 Finished surface of foam insulation to be free of voids and imbedded foreign objects.

.10 Remove masking materials and over spray from adjacent areas immediately after foam surface has hardened. Ensure cleaning methods do not damage work performed by other sections.

.11 Trim, as required, any excess thickness that would interfere with the application of cladding system by other trades.

3.05 TOLERANCES

.1 Maximum variation from indicated thickness: minus (-) 6 mm. plus (+) 10 mm.

3.06 CLEANING

.1 Conduct daily cleaning in accordance with Section 01 74 11 - Cleaning.

.2 Leave Work area clean at end of each day.

.3 Upon completion, remove surplus materials, rubbish, tools and equipment. Remove insulation material spilled during installation and leave work area ready for application of wall board.

.4 Separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction / Demolition Waste Management and Disposal. Remove recycling containers and bins from site and dispose of materials at appropriate facility.

3.07 PROTECTION

.1 Protect the spray foam from ultraviolet as per manufacturer's requirements.

.2 Cover the spray foam with an appropriate thermal barrier as detailed.

3.08 SCHEDULE.

.1 Apply one component and two component foam to surfaces of cleaned and prepared surfaces as indicated in the drawings.

.2 Apply foam so that finished face is vertical, plumb flat and in a straight plane.

END OF SECTION

NO	NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	
GROUND FLOOR										
100	ATRIUM	CT1 ST	-	-	-	CONC GYP CT AT1	EXP P	CONC AT1	CONC AT1	CPT1 bridge flooring, concrete wall finish – board form vertical, water wall tile, acoustic panels in front of water wall. BR base only at GYP walls. No Base at glass and concrete partitions.
101	EAST VESTIBULE	CT1	-	-	-	CONC	EXP	CONC	EXP	
102	WEST VESTIBULE	CT1	-	-	-	CONC	EXP	CONC	EXP	
103	ELEVATOR LOBBY	CT1	-	BR MB	-	GYP	P1	CONC	EXP	BR base at GYP partitions, MB base at exposed concrete walls
104	IT CLOSET	CT1	-	CT	-	CONC GYP	EXP P1	CONC	EXP	
105	MEN'S WASHROOM	CT5	-	CT	-	CONC GYP CT6 CT8		ACT1	-	CT base to match floor tile (also align joints). Refer to interior elevations for locations
106	WOMEN'S WASHROOM	CT5	-	CT	-	CONC GYP CT6 CT8		ACT1	-	CT base to match floor tile (also align joints). Refer to interior elevations for locations
107	UNIVERSAL WASHROOM	CT5	-	CT	-	GYP CT	P1 CT4 CT6	ACT1	-	CT base to match floor tile (also align joints) Refer to interior elevations for locations
108	JANITOR'S ROOM	CT1	-	CT	-	CONC GYP	EXP P1	GYP	-	
109	EXIT STAIR A	CONC	EXP	-	-	CONC	EXP	CONC	EXP P2	
110	ELECTRICAL/IT CLOSET	CT1	-	CT	-	CONC GYP	EXP P1	CONC	EXP P1	

NO	NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	
111	MAIL ROOM	CT1	-	BR	-	GYP	P1	GYP	P1	
112	EXIT STAIR B	CONC	Ext	-	-	CONC	EXP	CONC	EXP P2	
113	COAT CLOSET	CT1	-	BR	-	CONC GYP	EXP	CONC	EXP P1	
114	CAFETERIA	CT1	-	BR MB	-	CONC GYP AT1 CT3 CT1	EXP P1 PL1	CONC AT1 AT2	EXP	BR base at GYP partitions, MB base at exposed concrete walls
115	KITCHEN	HF		RB	-	CONC GYP	HW	CONC	EXP	RB base-refer to specifications for Hygienic wall covering and hygienic floor covering
116	ELECTRICAL ROOM	CONC		RB	-	CONC GYP	EXP P1	CONC	EXP	**Epoxy finish to concrete floor**
117	HOLDING ROOM	RF		RB	-	GYP	P1	CONC	EXP	
117B	HOLDING ROOM VESTIBULE	RF		RB	-	GYP	P1	CONC	EXP	
118	EXIT CORRIDOR	CT1	-	MB	-	GYP CONC	EXP P1	GYP	P1	
119	LOADING VESTIBULE	CT1	-	MB	-	GYP	P1	CONC	EXP	
120	OPEN OFFICE	CPT 1,2,3,4	-	BR MB	-	GYP	P	CONC	EXP	BR base at GYP partitions, MB base at exposed concrete walls
121	BREAKOUT ROOM	CPT 1,2,3,4	-	BR	-	GYP	P	CONC	EXP	
122	OFFICE	CPT 1,2,3,4	-	BR	-	GYP	P	CONC	EXP	
123	OFFICE	CPT 1,2,3,4	-	BR	-	GYP	P	CONC	EXP	
124	WATER ENTRY ROOM	CONC	-	MB	-	GYP	P	CONC	EXP	Sealer to concrete floor

NO	NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	
125	OFFICE	CPT 1,2,3,4	-	BR MB	-	GYP	P	CONC	EXP	BR base at GYP partitions, MB base at exposed concrete walls
126	OFFICE	CPT 1,2,3,4	-	BR MB	-	GYP	P	CONC	EXP	BR base at GYP partitions, MB base at exposed concrete walls
127	UNUSED									
128A	TRAINING ROOM A	CT1	-	BR MB	-	CONC GYP	EXP P1	CONC GYP	EXP P1	GYP Bulkhead at Folding Partition. BR base at GYP partitions, MB base at exposed concrete walls
129A	TRAINING ROOM B	CT1	-	BR MB	-	CONC GYP	EXP P1	CONC GYP	EXP P1	GYP Bulkhead at Folding Partition. BR base at GYP partitions, MB base at exposed concrete walls
130	EXIT CORRIDOR B	CT1	-	MB	-	GYP	P1	GYP	P1	
131	TERRACE VESTIBULE	CT1	-	MB	-	GYP	P1	CONC	EXP	
132	GYM	CPT5	-	RB MB	-	CONC GYP	EXP P	CONC	EXP	P colour TBD. BR base at GYP partitions, MB base at exposed concrete walls
133	CLOAK ROOM	CT1	-	RB MB	-	CONC GYP	EXP P	CONC	EXP	P colour TBD. BR base at GYP partitions, MB base at exposed concrete walls
134	MEN'S VESTIBULE	CT5	-	CT	-	GYP	P1	GYP	P1	CT base to match floor tile (also align joints)
135	MEN'S WASHROOM	CT5	-	CT	-	GYP CT6	P1	GYP	P1	CT base to match floor tile (also align joints)
136	MEN'S CHANGEROOM	CT5	-	CT	-	GYP	P1	GYP	P1	CT base to match floor tile (also align joints)
137	WOMEN'S VESTIBULE	CT5	-	CT	-	CONC GYP	EXP P1	GYP	P1	CT base to match floor tile (also align joints)
138	WOMEN'S WASHROOM	CT5	-	CT	-	CONC GYP CT6	EXP P1	GYP	P1	CT base to match floor tile (also align joints)
139	WOMEN'S CHANGEROOM	CT5	-	CT	-	GYP CT6 CT7 CT8	P1	GYP	P1	CT base to match floor tile (also align joints)

NO	NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	
SECOND FLOOR										
200	ATRIUM	CPT1 EP	EP P1	RB MB		CONC	EXP. / P1	-	-	Bridge –CPT 1, EP on Stair C/D risers and treads. P1 on GYP walls and remaining stair finishes
201	ELEVATOR LOBBY	CPT 1,2,3,4		BR		GYP	P1	CONC.	EXP.	
202	OPEN OFFICE	CPT 1,2,3,4		RB MB	-	GYP	P	CONC.	EXP.	BR base at GYP partitions, MB base at exposed concrete walls. P colours TBD
203	KITCHEN	CT1		BR MB		CONC GYP	EXP. / P1/ PL1	AT2		BR base at GYP partitions, MB base at exposed concrete walls. P colours TBD
204	IT CLOSET	RF	-	RB	-	GYP	P1	CONC.	EXP./P 1	
205	MEN'S WASHROOM	CT5	-	CT	-	CONC GYP CT6 CT8		ACT1	-	CT base to match floor tile (also align joints). Refer to interior elevations for locations
206	WOMEN'S WASHROOM	CT5	-	CT	-	CONC GYP CT6 CT8		ACT1	-	CT base to match floor tile (also align joints). Refer to interior elevations for locations
207	ELECTRICAL CLOSET	RF	-	RB	-	GYP	P1	CONC.	EXP./P 1	
208	JANITOR'S ROOM	CT1	-	CT	-	CONC GYP	EXP. / P1	CONC.	EXP.	

NO	NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	
209	EXIT STAIR A	CONC	EXP	-	-	CONC	EXP	CONC.	EXP P2	
210	ELECTRICAL CLOSET	RF	-	RB	-	CONC GYP	EXP. P1	CONC.	EXP P1	
211	UNIVERSAL WASHROOM	CT5		CT	-	GYP CT	P1 CT4 CT6	ACT1		CT base to match floor tile (also align joints)
212	EXIT STAIR B	CONC	EXP	-	-	CONC	EXP	CONC	EXP P2	
213	IT CLOSET	RF	-	RB	-	CONC GYP	EXP P1	CONC	EXP P1	
214	BREAKOUT ROOM	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
215	PHONE BOOTH	CPT 1,2,3,4		BR		GYP	P	CONC	EXP	
216	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
217	OFFICE	CPT 1,2,3,4		BR		GYP	P	CONC	EXP	
218	BREAKOUT ROOM	CPT 1,2,3,4		BR		GYP	P	CONC	EXP	**P2 on North wall. All others P1**
219	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
220	OFFICE	CPT 1,2,3,4		BR		GYP	P	CONC	EXP	**P6 on North wall. All others P1**
221	LARGE MEETING ROOM	CPT 3		BR	-	GYP	P	CONC	EXP	
222	MEETING ROOM	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
223	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	

NO	NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	
224	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
225	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
226	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
227	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
THIRD FLOOR										
300	ATRIUM	CPT 1 EP	EP P1	BR MB		CONC GYP	EXP P1	-	-	Bridge –CPT 1, EP on Stair C/D risers and treads. P1 on GYP walls and remaining stair finishes
301	ELEVATOR LOBBY	CPT 1,2,3,4		BR		GYP	P1	CONC	EXP	
302	OPEN OFFICE	CPT 1,2,3,4		BR MB	-	GYP	P	CONC	EXP	BR base at GYP partitions, MB base at exposed concrete walls. P colours TBD
303	KITCHEN	CT1		BR MB		CONC GYP	EXP P1/ PL1	AT2		BR base at GYP partitions, MB base at exposed concrete walls. P colours TBD
304	IT CLOSET	RF	-	RB	-	GYP	P1	CONC	EXP P1	
305	MEN'S WASHROOM	CT5	-	CT	-	CONC GYP CT6 CT8		ACT1	-	CT base to match floor tile (also align joints). Refer to interior elevations for locations
306	WOMEN'S WASHROOM	CT5	-	CT	-	CONC GYP CT6 CT8		ACT1	-	CT base to match floor tile (also align joints). Refer to interior elevations for locations

NO	NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	
307	ELECTRICAL CLOSET	RF	-	RB	-	GYP	P1	CONC	EXP P1	
308	JANITOR'S ROOM	CT1	-	CT	-	CONC GYP	EXP P1	CONC	EXP	
309	EXIT STAIR A	CONC	EXP	-	-	CONC	EXP	CONC	EXP P2	
310	ELECTRICAL CLOSET	RF	-	RB	-	CONC GYP	EXP P1	CONC	EXP P1	
311	UNIVERSAL WASHROOM	CT5		CT	-	GYP CT	P1 CT4 CT6	ACT1		CT base to match floor tile (also align joints)
312	EXIT STAIR B	CONC	EXP	-	-	CONC	EXP	CONC	EXP P2	
313	IT CLOSET	RF	-	RB	-	CONC GYP	EXP P1	CONC	EXP P1	
314	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
315	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
316	PHONE BOOTH	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	P4 on West wall. All others P1
317	PHONE BOOTH	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	P4 on East wall. All others P1
318	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
319	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
320	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	

NO	NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	
321	PHONE BOOTH	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	P2 on West wall. All others P1
322	MEETING ROOM	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	P4 on West wall. All others P1
323	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
324	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
325	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
326	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
327	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
328	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
329	MEETING ROOM	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	P5 on South wall. All others P1
330	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
331	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
FOURTH FLOOR										
400	OPEN (ATRIUM)	EP	EP P1	BR MB		CONC GYP	EXP P1	-	-	EP on Stair C/D risers and treads. P1 on GYP walls and remaining stair finishes
401	ELEVATOR LOBBY	CPT 1,2,3,4		BR		GYP	P1	CONC	EXP	

NO	NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	
402	OPEN OFFICE	CPT 1,2,3,4		BR MB	-	GYP	P	CONC	EXP	BR base at GYP partitions, MB base at exposed concrete walls. P colours TBD
403	KITCHEN	CT1		BR MB		CONC GYP	EXP P1/ PL1	AT2		BR base at GYP partitions, MB base at exposed concrete walls. P colours TBD
404	IT CLOSET	RF	-	RB	-	GYP	P1	CONC	EXP P1	
405	MEN'S WASHROOM	CT5	-	CT	-	CONC GYP CT6 CT8		ACT1	-	CT base to match floor tile (also align joints). Refer to interior elevations for locations
406	WOMEN'S WASHROOM	CT5	-	CT	-	CONC GYP CT6 CT8		ACT1	-	CT base to match floor tile (also align joints). Refer to interior elevations for locations
407	ELECTRICAL CLOSET	RF	-	RB	-	GYP	P1	CONC	EXP P1	
408	JANITOR'S ROOM	CT1	-	CT	-	CONC GYP	EXP P1	CONC	EXP	
409	EXIT STAIR A	CONC	EXP	-	-	CONC	EXP	CONC	EXP P2	
410	ELECTRICAL CLOSET	RF	-	RB	-	CONC GYP	EXP P1	CONC	EXP P1	
411	UNIVERSAL WASHROOM	CT5		CT	-	GYP CT	P1 CT4 CT6	ACT1		CT base to match floor tile (also align joints)
412	EXIT STAIR B	CONC	EXP	-	-	CONC	EXP	CONC	EXP P2	

NO	NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	
413	IT CLOSET	RF	-	RB	-	CONC GYP	EXP P1	CONC	EXP P1	
414	MEETING ROOM	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	P4 on East wall. All others P1
415	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
416	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
417	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
418	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
419	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
420	PHONE BOOTH	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	P5 on North wall. All others P1
421	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
422	SERVER ROOM	CONC		MB	-	GYP	P	CONC	EXP	Sealer to Concrete floor
423	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
424	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
425	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
426	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
427	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
428	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	

NO	NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	
429	BREAKOUT ROOM	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	P4 on North wall. All others P1
430	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
431	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
432	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
433	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
434	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
435	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
436	MEETING ROOM	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	P5 on South wall. All others P1
437	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
438	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
439	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
440	OFFICE	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	
441	BREAKOUT ROOM	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	P4 on North wall. All others P1
442	TENDER CLOSING ROOM	CPT 1,2,3,4		BR	-	GYP	P	CONC	EXP	P6 on North wall. All others P1

1.1 LEGEND

.1 AC. Exposed Architectural Concrete, unsealed.

NO	NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	

.2 ACT(#) Ceiling Tile In accordance with Section 09 51 13.

.1 ACT Metalworks M11 White, *Armstrong.*

.3 AT(#) Acoustic Ceiling Panel: In accordance with Section 09 51 13.

.1 AT1 Hard Side Cloud White, *Kinetics. (refer to Reflected ceiling plans for location)*

.2 AT2 Hard Side Cloud **Grey Mix 238**, *Kinetics. (refer to Reflected ceiling plans for location)*

.4 AW(#) Acoustic Wall Panel: In accordance with Section 09 53 00.

.5 BR Reveal Baseboard: 2" high Brushed Aluminum base with ¼" cove bend recessed in GYP. ½". In accordance with Section 09 27 10.

.6 CH Concrete Hardener Floor Finish: In accordance with Section 03 35 05.

.7 CPT Carpet Tile: In accordance with Section 09 68 13 - Tile Carpeting.

.1 CPT1 On Line **TBD**, *Interface* (25cm x 100cm).

.2 CPT2 Concrete Viva Colores 101180, Plateado, *Interface* (50cm x 50cm cut to (2) 25cm x 50cm).

.3 CPT3 Human Nature 104214, Nickel, *Interface* (25cm x 100cm).

.4 CPT4 Felt 101834, Monochrome, *Interface* (50cm x 50cm cut to (2) 25cm x 50cm).

.5 CPT5 On Line, 105266 Aquamarine, *Interface* (25cm x 100cm).

.8 CN(#) Solid Surface Countertop: in Accordance with Section 12 36 61

.1 CN1 Organic White 4600, *Ceasarstone*

.2 CN2 Deep Espresso, *Corian*

.9 CT(#) Ceramic Tile: In accordance with Section 09 30 05 - Ceramic Tiling.

.1 CT1 Interno 9, Pearl, Lap. RT., *Ciot* (60cm x 120cm).

.2 CT2 **Not Used.**

.3 CT3 Sistem C **Fuma** Citta, Arch., *Ciot* (10cm x 30cm). *(refer to Interior elevations for location)*

.4 CT4 **Not Used.**

.5 CT5 Blocks 5.0, White, Lap. RT., *Ciot* (60cm x 120cm). *(refer to Interior elevations for location)*

.6 CT6 Blocks 5.0, Dark, Lap. RT., *Ciot* (60cm x 120cm). *(refer to Interior elevations for location)*

NO	NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	

.7 CT7 Light Seta Fumo, *Ciot* (5cmx10cm). *(refer to Interior elevations for location)*

.8 CT8 Super Super, White, *Ciot (30cm x 60cm). (refer to Interior elevations for location)*

.10 EP Epoxy Coating.

.11 GYP Gypsum Board: In accordance with Section 09 21 16 - Gypsum Board Assemblies.

.12 HF Hygienic Flooring: In accordance with Section 09 72 00.

.13 HW Hygienic Wall covering: In accordance with Section 09 72 00.

.1 Altro Whiterock, White W103-W104, Altro.

.14 MB Brushed Metal Base: 2" high Brushed Aluminum base with ¼" cove bend, flush mounted to wall. In accordance with Section 09 27 10.

.15 P# Paint Finish: In accordance with Section 09 90 15 - Painting. Refer to Paint Schedule for colour.

.1 P1 Quiet Hideaway, eggshell finish, *Dulux* (white). ***P1 to be used unless otherwise noted in finish schedule***

.2 P2 **America's Cup, eggshell finish, *Dulux* (light blue)**

.3 P3 **Granite Grey, eggshell finish, *Dulux* (grey)**

.4 P4 **Teton Sky, eggshell finish, *Dulux* (dark blue)**

.5 P5 **Portuguese Sonnet, eggshell finish, *Dulux* (yellow)**

.6 P6 **TBD, eggshell finish, *Dulux* (red)**

.16 PL(#) Plastic Laminate: In accordance with Section 06 05 60

.1 PL1 Caramello 018 (D), *Uniboard*

.2 PL2 Greystone, Matte, *Formica*

.3 PL3 Novanoir 888 (D), *Uniboard*

.17 RB Resilient Floor Base: In accordance with Section 09 65 16 - Resilient Sheet Flooring.

.18 RF Resilient Flooring: In accordance with Section 09 65 16 - Resilient Sheet Flooring.

.1 Marmoleum Walton Uni, 171 Cement, *Forbo* (2.5mm) .

.19 SL Sealed Concrete: In accordance with Section 03 35 00 - Concrete Finishing.

.20 SF Safety Flooring

.1 Altro Classic 25, Graphite X2546R11, Altro.

NO	NAME	FLOOR		BASE		WALLS		CEILING		REMARKS
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	

.21 ST Stone.

.1 ST1 Ledgerock Algonquin **Honed** SA16-178, 12"x24", 8mm thickness.

1.2 NOTES

1. All exposed edges of CT to be finished with Aluminum edge trim in accordance with Section 09 30 05.
2. All CT base joints to match floor tile and to be aligned with floor tile joints.

END OF SECTION

Part 1 GENERAL

1.01 RELATED SECTIONS

.1 Section 06 10 11 - Rough Carpentry.

.2 Section 09 22 16 - Non-Structural Metal Framing.

.3 Section 09 91 00 - Painting.

1.02 REFERENCES

.1 American Society for Testing and Materials International, (ASTM).

.1 ASTM B221-14. Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.

.2 ASTM C475/C475M-15. Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board.

.3 ASTM C840-16. Standard Specification for Application and Finishing of Gypsum Board.

.4 ASTM C954-15. Standard Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness.

.5 ASTM C1002-16. Standard Specification for Steel Self-Piercing Tapping Screws for Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs.

.6 ASTM C1047-14a. Standard Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base.

.7 ASTM C1178/C1178M-13. Standard Specification for Coated Glass Mat Water-Resistant Gypsum Backing Panel.

.8 ASTM C1278/C1278M-07a(2015). Standard Specification for Fiber-Reinforced Gypsum Panel.

.9 ASTM C1288-14. Standard Specification for Discrete Non-Asbestos Fiber-Cement Interior Substrate Sheets.

.10 ASTM C1396/C1396M-14a. Standard Specification for Gypsum Board.

1.03 SUBMITTALS

.1 Product Data: Submit Product Data Sheet and MSDS - Material Safety Data Sheets in accordance with Section 01 33 00 - Submittal Procedures.

.2 Submit test reports for High Impact Resistant panels. Submit manufacturers installation instructions.

1.04 MOCK-UPS

.1 Construct Mock-Up as specified in Section 01 45 00 - Quality Control.

.2 Construct Mock-up in location as directed by Consultant. Mock-up may be part of finished assembly or temporary construction as directed by Consultant. Minimum size: full height x 6.00 m long. Demonstrate installation of framing, application of board and joint details.

.3 Approved Mock-Up may remain part of the finished work.

1.05 DELIVERY, STORAGE AND HANDLING

.1 Deliver materials in original packages, containers or bundles bearing manufacturers brand name and identification.

.2 Store materials inside, level, under cover. Keep dry. Protect from weather, other elements and damage from construction operations and other causes.

.3 Handle gypsum boards to prevent damage to edges, ends or surfaces. Protect metal accessories and trim from being bent or damaged.

1.06 SITE ENVIRONMENTAL REQUIREMENTS

.1 Maintain temperature minimum 10 degrees C, maximum 21 degrees C for 48 hours prior to and during application of gypsum boards and joint treatment, and for at least 48 hours after completion of joint treatment.

.2 Apply board and joint treatment to dry, frost free surfaces.

.3 Ventilation: Ventilate building spaces as required to remove excess moisture that would prevent drying of joint treatment material immediately after its application.

1.07 WASTE MANAGEMENT AND DISPOSAL

.1 Separate and recycle waste materials in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.

.2 Remove from site and dispose of packaging materials at appropriate recycling facilities.

.3 Collect and separate for disposal, paper, plastic, polystyrene, and corrugated cardboard packaging material for recycling in accordance with Waste Management Plan.

.4 Divert unused gypsum from landfill to gypsum recycling facility for disposal approved by Consultant.

.5 Divert unused metal materials from landfill to metal recycling facility approved by Consultant.

Part 2 PRODUCTS

2.01 MATERIALS

.1 Standard board: to ASTM C1396/C1396M. Regular and Type X. Thickness as indicated. 1219 mm and 1372 mm wide. Provide in maximum practical length. Ends square cut, edges bevelled.

.2 Glass mat water-resistant gypsum backing board: to ASTM C1178/C1178M. Water resistant core with the face covered with a glass mat partially or completely embedded in the core and a water-resistant coating on the back. Thicknesses as indicated in the drawings. 1219 mm wide x maximum practical length.

.3 Impact resistant gypsum board: reinforced gypsum board to ASTM C1278/C1278M. Type X designation. High density, proprietary gypsum and fibre based core with reinforced front and back face skins. Flexural strength 1078 N. Weight: 14.1 kg/square meter. 15.9 mm thick, 1219 mm wide x maximum practical length, ends square cut, edges tapered.

.4 Cement board: to ASTM C1288. Mixture of portland cement, aggregate, sand, selected filler and polymer coated glass fibre reinforcing mesh. 15.9 mm thick, 1219 mm wide x maximum practical length.

.5 Drywall furring channels: 0.5 mm core thickness galvanized steel channels for screw attachment of gypsum board.

.6 Steel drill screws: to ASTM C1002.

.7 Steel drill screws for application of gypsum board into heavier gauge steel studs: to ASTM C954.

.8 Cementitious Board Fasteners: board manufacturer's purpose made screws, corrosion resistant steel, self-drilling points, counter-sink heads to prevent strip-out. Designed for application to steel stud construction.

.9 Casing beads, corner beads, control joints and edge trim: to ASTM C1047, metal, zinc-coated by electrolytic process, 0.5 mm base thickness, perforated flanges, one piece length per location.

.10 Insulating strip: rubberized, moisture resistant, 3 mm thick closed cell neoprene strip, 12 mm wide, with self sticking permanent adhesive on one face, lengths as required.

.11 Joint compound: to ASTM C475, asbestos-free. Manufacturer's premixed, commercial grade products specifically intended for use with appropriate substrate panels.

.12 Setting compound: to ASTM C475, asbestos-free. Factory blended, site mixed prepackaged, chemically setting powder compound containing vinyl binders and calcium sulfate filler. Commercial grade products specifically intended for use in setting accessories and filling large joints. Special formulation providing a high strength bond and low shrinkage that finishes with a hard, plaster like surface when dry and is virtually unaffected by humidity.

.13 Accessories: to ASTM B221, Manufacturer's standard aluminum extrusions with perforated flanges, primed to receive paint, 3000 mm lengths complete with mitered intersections where reveal changes direction or abuts other trim.

.14 Reveal mouldings:

.1 Recessed Base: fabricated from extruded aluminum, alloy 6063 T5. Clear anodized finish. Profile: 2.5 inch vertical base x 5/8 inch depth to accommodate layer of 5/8 gypsum board. Acceptable product: DA.5 by Fry Reglet.

.2 Veneer plaster Z reveal: fabricated from extruded aluminum, alloy 6063 T5. Clear anodized finish. Profile 7/8 inch vertical leg, 5/8 inch reveal depth, 5/8 inch reveal width. Acceptable product: PI.3 VPRZ-625-625 by Fry Reglet.

Part 3 EXECUTION

3.01 ERECTION

.1 Do application and finishing of gypsum board in accordance with ASTM C840 except where specified otherwise.

.2 Install work level to tolerance of 1:1200.

.3 Frame with furring channels, perimeter of openings for access panels, light fixtures, diffusers and grilles.

.4 Install wall furring for gypsum board wall finishes in accordance with ASTM C840, except where specified otherwise.

.5 Furr duct shafts, beams, columns, pipes and exposed services where indicated.

.6 Install 19 x 64 mm furring channels parallel to, and at exact locations of steel stud partition header track.

.7 Erect hangers and runner channels for suspended gypsum board ceilings in accordance with ASTM C840 except where specified otherwise.

.8 Support light fixtures by providing additional ceiling suspension hangers within 150 mm of each corner and at maximum 600 mm around perimeter of fixture.

.9 Furr for gypsum board faced vertical bulkheads within and at termination of ceilings.

.10 Furr above suspended ceilings for gypsum board fire and sound stops and to form plenum areas as indicated.

.11 Furr openings and around built-in equipment, cabinets, access panels, on four sides. Extend furring into reveals. Check clearances with equipment suppliers.

.12 Erect drywall resilient furring transversely across studs, between the layers of gypsum board, spaced maximum 600 mm on centre and not more than 150 mm from ceiling/wall juncture. Secure to each support with 25 mm drywall screw.

.13 Install 150 mm continuous strip of 15.9 mm gypsum board along base of partitions where resilient furring installed.

3.02 APPLICATION

.1 Do not apply gypsum board until bucks, anchors, blocking, sound attenuation, electrical and mechanical work are approved.

.2 Do not apply gypsum board until Firestopping has been installed and inspected as specified in Section 07 84 10 - Comprehensive Firestopping.

.3 Apply single and double layer gypsum board to metal furring or framing using screw fasteners. Maximum spacing of screws 300 mm on centre.

.4 Apply 12 mm diameter bead of sealant continuously around periphery of each face of partitioning to seal gypsum board/structure junction where partitions abut fixed building components. Seal full perimeter of cut-outs around electrical boxes and ducts

.5 Install gypsum board on walls vertically to avoid end-butt joints. At high walls, install boards horizontally with end joints staggered over studs, except where local codes or fire-rated assemblies require vertical application.

.6 Install gypsum board with face side out. Do not install damaged or damp boards.

.7 Locate edge or end joints over supports. Stagger vertical joints over different studs on opposite sides of wall.

.8 Install ceiling boards in direction that will minimize number of end-butt joints. Stagger end joints at least 250 mm.

.9 Single-Layer Application: Apply gypsum board on ceilings prior to application of walls in accordance with ASTM C840.

.1 Apply gypsum board to walls vertically or horizontally, providing sheet lengths that will minimize end joints.

.10 Double-Layer Application:

.1 Install gypsum board for base layer and exposed gypsum board for face layer.

.2 Apply base layer to ceilings prior to base layer application on walls. Apply face layers in same sequence. Offset joints between layers at least 250 mm.

.3 Apply base layers at right angles to supports unless otherwise indicated.

.4 Apply base layer on walls and face layers vertically with joints of base layer over supports and face layer joints offset at least 250 mm with base layer joints.

.11 Cement Board Application. Apply cement board to steel stud framing where indicated in the drawings and wherever Ceramic Tile wall finishes are to be applied. Use manufacturer's proprietary screw fasteners, purpose made for attachment of cement board to steel framing. Apply multiple layers where indicated.

.12 Water Resistant Board Application: Apply glass mat water-resistant gypsum board in washrooms to portions of walls that are not to be covered with Ceramic Tile finishes. Apply to all gypsum board washroom ceilings. Install elsewhere in the building where indicated. Install adjacent to slop sinks and in janitors closets. Apply water-resistant sealant to edges, ends, cut-outs which expose gypsum core and to fastener heads.

.13 Impact Resistant Board Application. Apply impact resistant gypsum board panels where indicated in the drawings. Install boards in accordance with Manufacturer's written instructions.

3.03 INSTALLATION

.1 Erect accessories straight, plumb or level, rigid and at proper plane. Use full length pieces where practical. Make joints tight, accurately aligned and rigidly secured. Mitre and fit corners accurately, free from rough edges. Secure at 150 mm on centre.

.2 Install casing beads where gypsum board butts against surfaces having no trim concealing junction and where indicated. Seal joints with sealant.

.3 Install insulating strips continuously at edges of gypsum board and casing beads abutting metal window and exterior door frames, to provide thermal break.

.4 Install access doors to electrical and mechanical fixtures specified in respective sections. Rigidly secure frames to furring or framing systems.

.5 Install reveal base moulding at bottom of wall where indicated to create damage resistant recessed base detail. Secure to wall studs through Gypsum board in accordance with Manufacturer's instructions. Apply tape and joint compound.

.6 Install Z reveal where indicated in the drawings. Secure to wall studs through Gypsum board in accordance with Manufacturer's instructions. Apply tape and joint compound.

3.04 FINISHING

.1 Finish face panel joints and internal angles with joint system consisting of joint or setting compound, joint tape and joint or setting compound installed according to manufacturer's directions and feathered out onto panel faces.

.2 Setting compound. Mix and apply setting compound in accordance with Manufacturers written instructions. Apply where larger joints are encountered Apply setting compound where wall surfaces are expected to be exposed to high humidity conditions.

.3 Embed tape for joints and interior angles in joint or setting compound. Surfaces to be free of excess compound; tool marks and ridges are acceptable.

.4 Finish corner beads, control joints and trim as required with a minimum of three coats of joint or setting compound, feathered out onto panel faces.

.5 Fill screw head depressions with joint and taping compounds to bring flush with adjacent surface of gypsum board so as to be invisible after surface finish is completed.

.6 Sand lightly to remove burred edges and other imperfections. Avoid sanding adjacent surface of board.

.7 Completed installation to be smooth, level or plumb, free from waves and other defects and ready for surface finish.

.8 After application of white primer / sealer coat as specified in Section 09 91 00 - Painting, conduct prime check to identify all imperfections. Repair imperfections and prepare all surfaces to meet Finish Level 4 as specified below.

.9 Gypsum Board Finish: finish gypsum board walls and ceilings to following levels in accordance with Gypsum Association Levels of Gypsum Board Finish:

.1 Final finish to meet Gypsum Board Finish Level 4 defined as follows: Embed tape for joints and interior angles in joint or setting compound and apply three separate coats of joint or setting compound over joints, angles, fastener heads and accessories; surfaces smooth and free of tool marks and ridges.

3.05 PROTECTION

.1 Provide protection to the approval of Consultant to ensure that gypsum drywall work will remain without damage or deterioration at time of substantial completion.

END OF SECTION