Hampton Inn & Suites

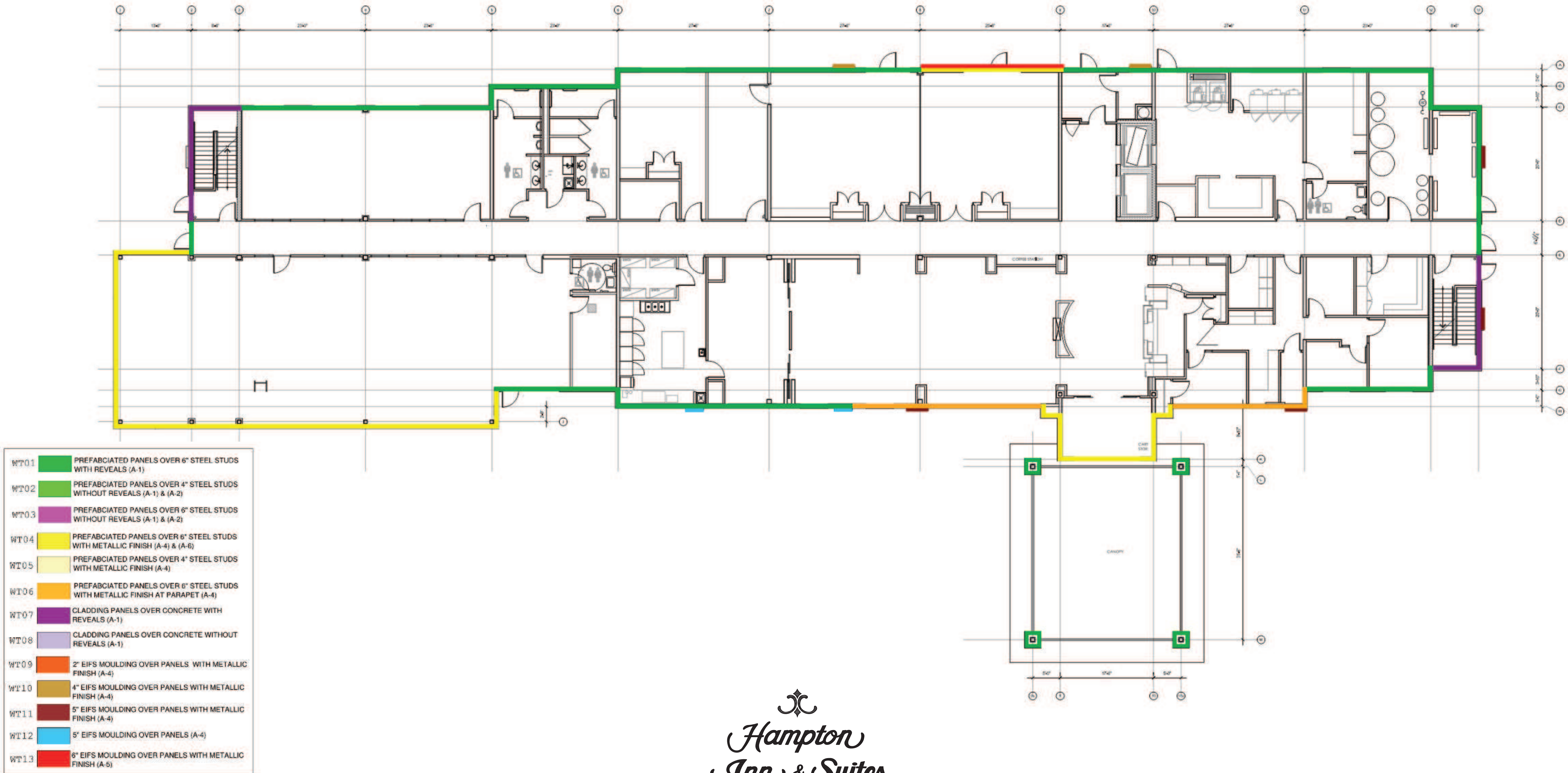
MEDICINE HAT, ALBERTA

100%
COMPLETED
DURABOND

API INC. DEVELOPMENT CONSULTANTS

DURAbond BUILDING SYSTEMS INC.

PROJECT PROFILE
“DUREX PANEL WALL SYSTEM”



GROUND FLOOR / SCOPE OF WORK

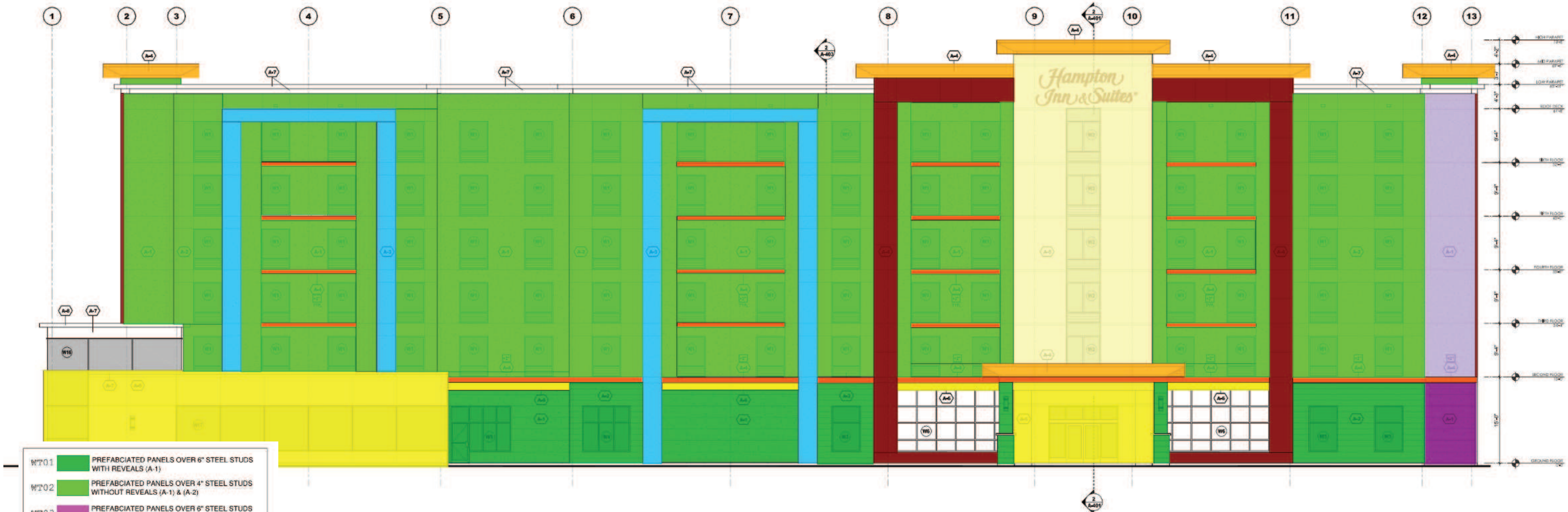
PROJECT PROFILE
“DUREX PANEL WALL SYSTEM”

DURAbond
BUILDING SYSTEMS INC.

WT01		PREFABCIATED PANELS OVER 6" STEEL STUDS WITH REVEALS (A-1)
WT02		PREFABCIATED PANELS OVER 4" STEEL STUDS WITHOUT REVEALS (A-1) & (A-2)
WT03		PREFABCIATED PANELS OVER 6" STEEL STUDS WITHOUT REVEALS (A-1) & (A-2)
WT04		PREFABCIATED PANELS OVER 6" STEEL STUDS WITH METALLIC FINISH (A-4) & (A-6)
WT05		PREFABCIATED PANELS OVER 4" STEEL STUDS WITH METALLIC FINISH (A-4)
WT06		PREFABCIATED PANELS OVER 6" STEEL STUDS WITH METALLIC FINISH AT PARAPET (A-4)
WT07		CLADDING PANELS OVER CONCRETE WITH REVEALS (A-1)
WT08		CLADDING PANELS OVER CONCRETE WITHOUT REVEALS (A-1)
WT09		2" EIFS MOULDING OVER PANELS WITH METALLIC FINISH (A-4)
WT10		4" EIFS MOULDING OVER PANELS WITH METALLIC FINISH (A-4)
WT11		5" EIFS MOULDING OVER PANELS WITH METALLIC FINISH (A-4)
WT12		5" EIFS MOULDING OVER PANELS (A-4)
WT13		6" EIFS MOULDING OVER PANELS WITH METALLIC FINISH (A-5)

Hampton Inn & Suites®

PROJECT PROFILE
"DUREX PANEL WALL SYSTEM"



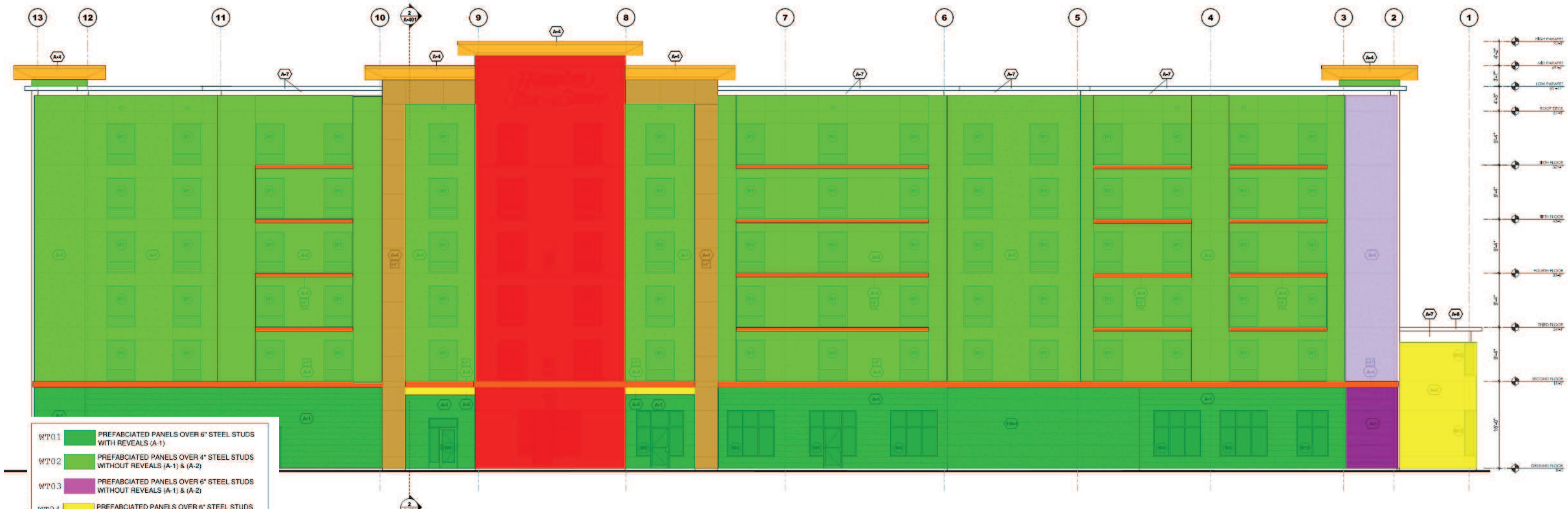
WT01	PREFABCIATED PANELS OVER 6" STEEL STUDS WITH REVEALS (A-1)
WT02	PREFABCIATED PANELS OVER 4" STEEL STUDS WITHOUT REVEALS (A-1) & (A-2)
WT03	PREFABCIATED PANELS OVER 6" STEEL STUDS WITHOUT REVEALS (A-1) & (A-2)
WT04	PREFABCIATED PANELS OVER 6" STEEL STUDS WITH METALLIC FINISH (A-4) & (A-6)
WT05	PREFABCIATED PANELS OVER 4" STEEL STUDS WITH METALLIC FINISH (A-4)
WT06	PREFABCIATED PANELS OVER 6" STEEL STUDS WITH METALLIC FINISH AT PARAPET (A-4)
WT07	CLADDING PANELS OVER CONCRETE WITH REVEALS (A-1)
WT08	CLADDING PANELS OVER CONCRETE WITHOUT REVEALS (A-1)
WT09	2" EIFS MOULDING OVER PANELS WITH METALLIC FINISH (A-4)
WT10	4" EIFS MOULDING OVER PANELS WITH METALLIC FINISH (A-4)
WT11	5" EIFS MOULDING OVER PANELS WITH METALLIC FINISH (A-4)
WT12	5" EIFS MOULDING OVER PANELS (A-4)
WT13	6" EIFS MOULDING OVER PANELS WITH METALLIC FINISH (A-5)

Hampton Inn & Suites

EAST ELEVATION / SCOPE OF WORK

PROJECT PROFILE
"DUREX PANEL WALL SYSTEM"

DURAbond BUILDING SYSTEMS INC.



WT01	PREFABCIATED PANELS OVER 6" STEEL STUDS WITH REVEALS (A-1)
WT02	PREFABCIATED PANELS OVER 4" STEEL STUDS WITHOUT REVEALS (A-1) & (A-2)
WT03	PREFABCIATED PANELS OVER 6" STEEL STUDS WITHOUT REVEALS (A-1) & (A-2)
WT04	PREFABCIATED PANELS OVER 6" STEEL STUDS WITH METALLIC FINISH (A-4) & (A-6)
WT05	PREFABCIATED PANELS OVER 4" STEEL STUDS WITH METALLIC FINISH (A-4)
WT06	PREFABCIATED PANELS OVER 6" STEEL STUDS WITH METALLIC FINISH AT PARAPET (A-4)
WT07	CLADDING PANELS OVER CONCRETE WITH REVEALS (A-1)
WT08	CLADDING PANELS OVER CONCRETE WITHOUT REVEALS (A-1)
WT09	2" EIFS MOULDING OVER PANELS WITH METALLIC FINISH (A-4)
WT10	4" EIFS MOULDING OVER PANELS WITH METALLIC FINISH (A-4)
WT11	5" EIFS MOULDING OVER PANELS WITH METALLIC FINISH (A-4)
WT12	5" EIFS MOULDING OVER PANELS (A-4)
WT13	6" EIFS MOULDING OVER PANELS WITH METALLIC FINISH (A-5)

Hampton Inn & Suites

WEST ELEVATION / SCOPE OF WORK

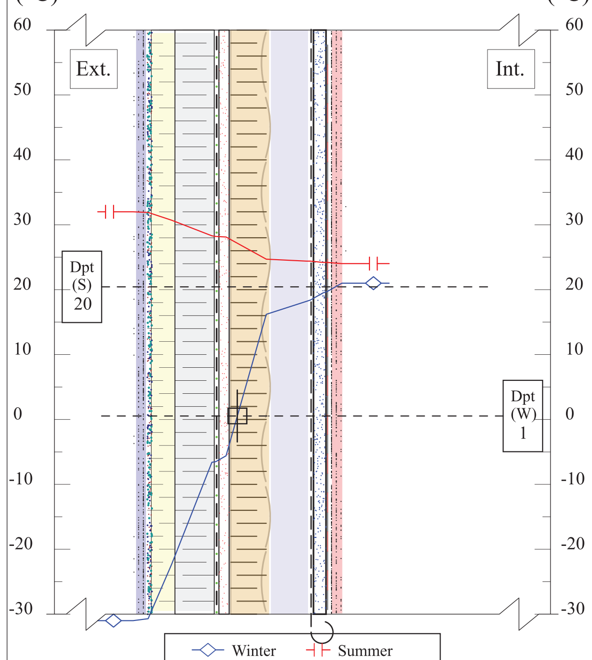
PROJECT PROFILE
"DUREX PANEL WALL SYSTEM"

DURAbond
BUILDING SYSTEMS INC.

R VALUE ANALYSIS

The Heat, Air and Moisture Building Science Toolbox - V.1B-E/M (16)

WALL SECTION AND TEMPERATURE GRADIENTS



PROJECT	
Name	Hampton Inn - Medicine Hat
Number	14AB-009
City	Medicine Hat, AB
Date	10/29/2014
Analysis by:	GR
Wall Type	Option

CLIMATIC CONDITIONS

	Winter		Summer	
	Int.	Ext.	Int.	Ext.
Temp (°C)	21	-31	24	32
RH (%)	25	80	50	49
DPT (°C)	1	-33	13	20

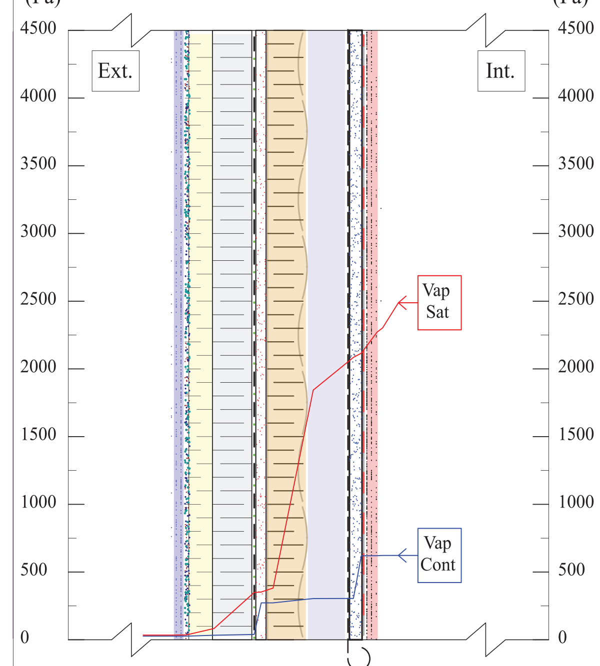
DURABOND PRODUCTS LTD.
55 UNDERWRITERS ROAD
SCARBOROUGH, ONTARIO, M1R 3B4

	Generic Material	Manufacturer	Model No.	Thick (mm)	RVal (RSI)	W.Temp. (°C)	S.Temp. (°C)
1	air film (ext), 19 mm	No Recor...	Generic...	19	0.030	-30.7	31.9
2	EIFS, 30 mm	No Recor...	Generic...	30	0.735	-22.3	30.7
3	rigid ins.,(expand.), 51 mm	No Recor...	Generic...	51	1.368	-6.6	28.3
4	membrane (#3), 2 mm	No Recor...	Generic...	2	0.012	-6.5	28.2
5	gypsum bd., 12.7 mm, (#2)	No Recor...	Generic...	13	0.079	-5.6	28.1
6	ureth.(int.) insul., 51 mm	No Recor...	Generic...	51	1.910	16.2	24.7
7	cavity, 51 mm	No Recor...	Generic...	51	0.170	18.2	24.4
8	poly film, 0.25 mm, (10mil)	No Recor...	Generic...	0	0.020	18.4	24.4
9	gypsum bd., 15.9 mm, (#1)	No Recor...	Generic...	16	0.099	19.5	24.2
10	paint, water base, 0.3 mm	No Recor...	Generic...	0	0.020	19.7	24.2
11	air film (int), 19 mm	No Recor...	Generic...	19	0.110	21.0	24.0
	Total or (Layer 0)			214	4.553	(-31.0)	(32.0)

CONDENSATION ANALYSIS

The Heat, Air and Moisture Building Science Toolbox - V.1B-E/M (16)

WALL SECTION AND VAPOUR PRESSURE GRADIENTS



** NO CONDENSATION **

PROJECT	
Name	Hampton Inn - Medicine Hat
Number	14AB-009
City	Medicine Hat, AB
Date	10/29/2014
Analysis by:	GR
Wall Type	Option

CLIMATIC CONDITIONS

	Winter		Summer	
	Int.	Ext.	Int.	Ext.
Temp (°C)	21	-31	...	...
RH (%)	25	80	...	...
DPT (°C)	1	-33	...	...

DURABOND PRODUCTS LTD.
55 UNDERWRITERS ROAD
SCARBOROUGH, ONTARIO, M1R 3B4

	Material	Manufacturer	Model No.	Rvap (1/M)	Temp (°C)	VapSat (Pa)	VapCont (Pa)
1	air film (ext), 19 mm	No Recor...	Generic...	0.000	-30.7	36	27
2	EIFS, 30 mm	No Recor...	Generic...	0.009	-22.3	83	33
3	rigid ins.,(expand.), 51 mm	No Recor...	Generic...	0.009	-6.6	349	39
4	membrane (#3), 2 mm	No Recor...	Generic...	0.370	-6.5	353	273
5	gypsum bd., 12.7 mm, (#2)	No Recor...	Generic...	0.000	-5.6	382	273
6	ureth.(int.) insul., 51 mm	No Recor...	Generic...	0.050	16.2	1,844	304
7	cavity, 51 mm	No Recor...	Generic...	0.000	18.2	2,085	305
8	poly film, 0.25 mm, (10mil)	No Recor...	Generic...	0.5000	18.4	2,116	620
9	gypsum bd., 15.9 mm, (#1)	No Recor...	Generic...	0.001	19.5	2,271	621
10	paint, water base, 0.3 mm	No Recor...	Generic...	0.002	19.7	2,303	622
11	air film (int), 19 mm	No Recor...	Generic...	0.000	21.0	2,488	622
12							
	TOTAL or (Layer 0)			0.9415	(-31.0)	(34)	(27)

Durex® Quantum Select

Moisture Managed Exterior Insulation and Finish System (Chemically Adhered)
CCMC 13103-R

PRODUCT DESCRIPTION:
DUREX QUANTUM SELECT is an exterior insulation and finish system consisting of expanded polystyrene insulation with factory cut channels, insulation adhesive, glass fibre reinforcing mesh, base coats, and a finish texture coat which can be selected from any one of the available **Durex Architectural Coatings**.

The **DUREX QUANTUM SELECT** system is ULC rated as non-combustible cladding meeting building code requirements for non-combustible construction.

USES:
DUREX QUANTUM SELECT is suitable for use over a wide range of structurally sound substrates and is recommended for use in buildings which require moisture managed cladding.

ADVANTAGES:
- Continuous venting at floor lines and horizontal terminations, using pre-manufactured vented boards
- Positive drainage (through a network of vertical and horizontal channels)
- Continuous air/vapour barrier
- Simple interfacing with other pressure equalized
- 2 hour fire rating in accordance with ULC W-456
- Lightweight
- Economical
- Aesthetic design flexibility

LIMITATIONS:
DUREX QUANTUM SELECT is not recommended for use over moisture sensitive substrates such as gypsum board, nor in areas where temperatures are expected to exceed 80°C.

APPLICATION:
Prepare and mix air barrier, primer, adhesive, base coats, and finish coats in strict accordance with **Durabond's** printed instructions. Apply all system materials in strict accordance with **Durabond's** printed instructions. Make all provisions for all expansion/control joints required in the system.

Apply the air barrier or air/vapour barrier membrane as required in strict accordance with **Durabond's** printed instructions. Install the insulation and vent boards as required over the substrate with a full bed of compatible insulation adhesive.

Apply a layer of base coats with an embedded layer of reinforcing mesh over the insulation. Over the cured base coat apply a second layer of base coat. Prime base coat, then apply finish texture coat. Caulk all expansion/control joints in the **DUREX QUANTUM** system.

Refer to the **Durex Architectural Manual** for further information.

CLEAN-UP:
Clean all tools promptly after use with clean water. Do not allow mixes to dry on tools.

STORAGE:
Store all **DUREX QUANTUM** components in a dry vented, waterproof location, stacked off the ground with ambient temperatures above 5°C (41°F). Keep materials dry, protected from dampness and moisture and away from direct sunlight.

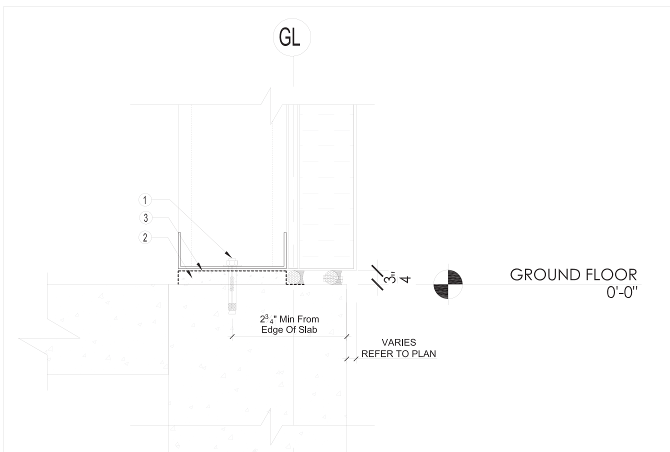
KEEP FROM FREEZING.

07240 INSULATED WALL SYSTEM (EIFS)
EXTERIOR INSULATION FINISH SYSTEM (EIFS)

DURAbond Manufacturers and Distributors of High Quality Construction Products

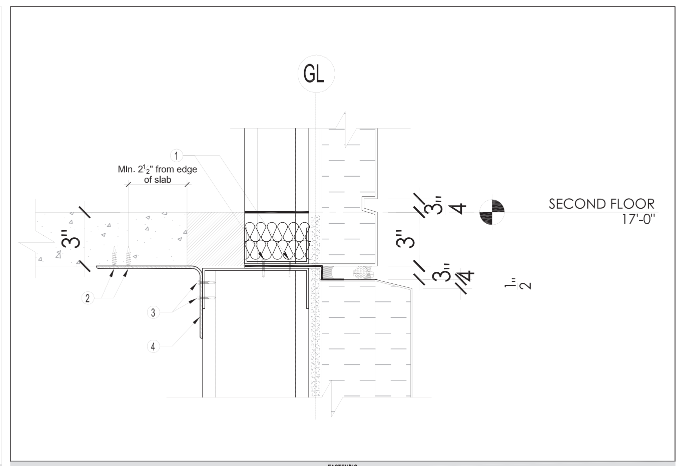
PROJECT PROFILE
"DUREX PANEL WALL SYSTEM"

DURAbond BUILDING SYSTEMS INC.



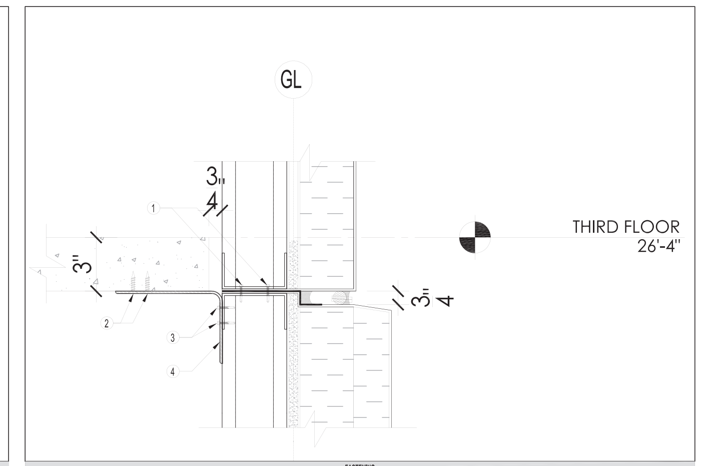
FASTENING			
ITEM	TYPE	LOCATION	QUANTITY
1	UCAN WED 383	TRACK TO SLAB	1 @ 8" O.C
2	3/4" SOLID GROUT (DURAPATCH)	CONCRETE SLAB AND BOTTOM OF PANEL	CONTINUOUS
3	EIFS TAPE MEMBRANE	SEPARATION TRACK TO CONCRETE	CONTINUOUS

SD1 NTS — PANEL TO GROUND FLOOR SLAB FIX CONNECTION TSFSx



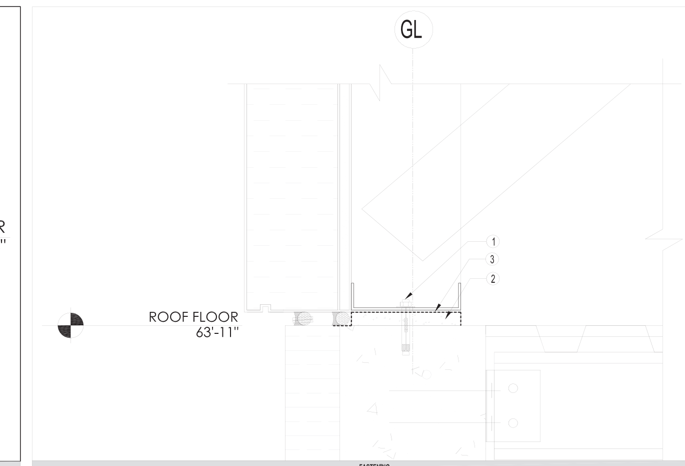
FASTENING			
ITEM	TYPE	LOCATION	QUANTITY
1	THW 141 - #14 X 1	PANEL TO PANEL	2 @ 8" O.C
2	SCP 14114 - #14 X 1 1/4"	CONTINUOUS ANGLE TO BOTTOM OF CONCRETE SLAB	3 @ EVERY STUD (@16" O.C)
3	THW 141 - #14 X 1	CONTINUOUS ANGLE TO PANEL STUD	3 @ EVERY STUD (@16" O.C)
4	6" X 4" - 11 Ga CONTINUOUS ANGLE	TOP OF PANEL TO BOTTOM OF SLAB	CONTINUOUS

SD2 NTS — PANEL TO 2ND FLOOR SLAB FIX CONNECTION DETAIL



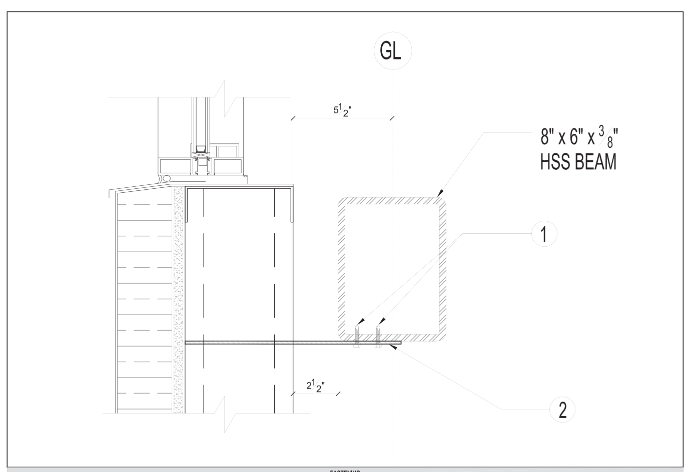
FASTENING			
ITEM	TYPE	LOCATION	QUANTITY
1	THW 141 - #14 X 1	PANEL TO PANEL	2 @ 8" O.C
2	SCP 14114 - #14 X 1 1/4"	CONTINUOUS ANGLE TO BOTTOM OF CONCRETE SLAB	3 @ EVERY STUD (@16" O.C)
3	THW 141 - #14 X 1	CONTINUOUS ANGLE TO PANEL STUD	3 @ EVERY STUD (@16" O.C)
4	6" X 4" - 11 Ga CONTINUOUS ANGLE	TOP OF PANEL TO BOTTOM OF SLAB	CONTINUOUS

SD3 NTS — PANEL TO TYPICAL FLOOR SLAB FIX CONNECTION DETAIL



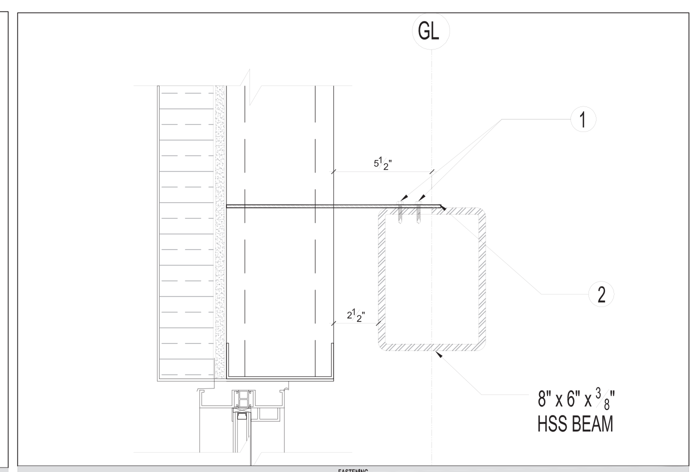
FASTENING			
ITEM	TYPE	LOCATION	QUANTITY
1	UCAN WED 383	TRACK TO SLAB	1 @ 8" O.C
2	3/4" SOLID GROUT (DURAPATCH)	CONCRETE SLAB AND BOTTOM OF PANEL	CONTINUOUS
3	EIFS TAPE MEMBRANE	SEPARATION TRACK TO CONCRETE	CONTINUOUS

SD4 NTS — PARPAET PANEL TO TOP OF CONCERETE WALL CONNECTION DETAIL



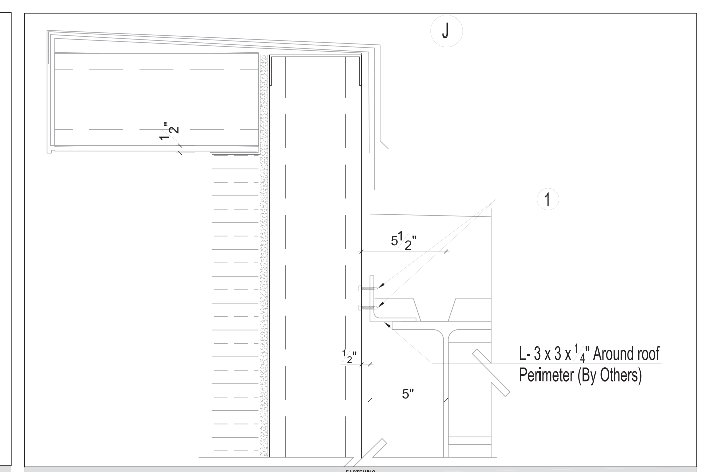
FASTENING			
ITEM	TYPE	LOCATION	QUANTITY
1	TRH 12114B5	SLIP STICK TO HSS BEAM	4 PER CONNECTION (@ 32" O.C)
2	SLIP STICK	PANEL STUD TO HSS BEAM	1 @ 32" O.C
3			

SD5 NTS — PANEL TO BOTTOM OF BEAM CONNECTION DETAIL AT SWIMMING POOL AREA



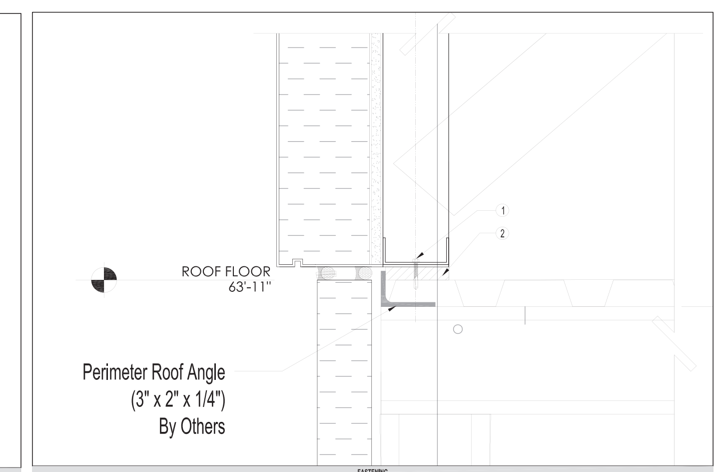
FASTENING			
ITEM	TYPE	LOCATION	QUANTITY
1	TRH 12114B5	SLIP STICK TO HSS BEAM	4 PER CONNECTION (@ 32" O.C)
2	SLIP STICK	PANEL STUD TO HSS BEAM	1 @ 32" O.C
3			

SD6 NTS — PANEL TO TOP OF BEAM CONNECTION DETAIL AT SWIMMING POOL AREA



FASTENING			
ITEM	TYPE	LOCATION	QUANTITY
1	TRH 12114B5	PANEL STUD TO ROOF PERIMETER ANGLE	2 PER STUD CONNECTION (@ 16" O.C)
2			
3			

SD7 NTS — PANEL TO ROOF DECK CONNECTION DETAIL AT SWIMMING POOL AREA

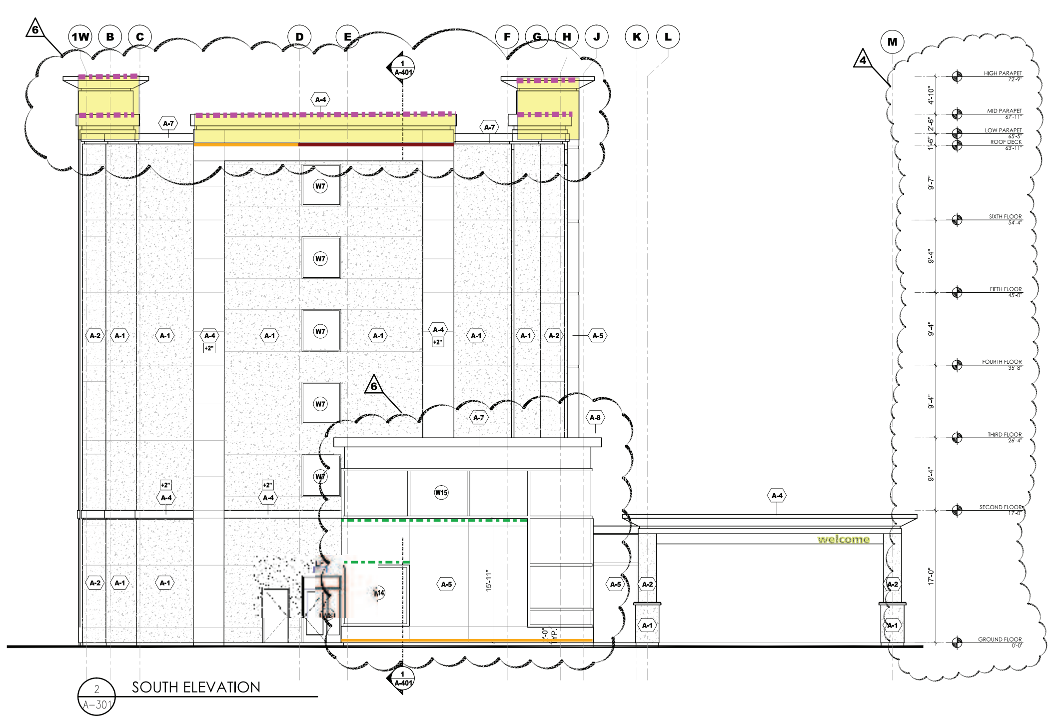


FASTENING			
ITEM	TYPE	LOCATION	QUANTITY
1	TRH 12114B5	TRACK TO SHIM TO STEEL DECK	1 @ 8" O.C
2	SHIM	BOTTOM OF PANEL TO STEEL DECK	CONTINUOUS
3			

SD8 NTS — PARPAET PANEL TO TOP OF ROOF STEEL DECK CONNECTION DETAIL

PROJECT PROFILE
"DUREX PANEL WALL SYSTEM"

DURAbond BUILDING SYSTEMS INC.



- SD3a-PANEL TO PANEL DIRECT CONNECTION DETAIL
- SD7 - PANEL TO STEEL ANGLE FIXED DETAIL
- SD1 -PANEL TO SLAB FIXED CONNECTION DETAIL
- SD8 -PANEL TO ROOF DECK CONNECTION DETAIL
- SD3-PANEL TO BOTTOM OF SLAB CONNECTION DETAIL
- SD5-PANEL TO HSS SLIP CONNECTION DETAIL
- SD6-PANEL TO TOP OF HSS BEAM CONNECTION DETAIL
- SD2-PANEL TO BOTTOM OF SLAB 2nd Floor
- SD9-PANEL TO PANEL SLIP CONNECTION 6TH FLOOR
- SD10-PANEL TO ROOF DECK ANGLE FIXED CONNECTION
- SD13-PANEL TO BACKUP STRUCTURE SLIP CONNECTION
- Parapet Panel Back-Up by Others

EXTERIOR FINISH SCHEDULE

FIN. #	MATERIAL	COLOR
A-1	EIFS PREFABRICATED PANEL, TERRANEO	BLACK BEAUTY (DRYVIT / DURABOND)
A-2	EIFS PREFABRICATED PANEL, TERRANEO	GIBRALTAR (DRYVIT)
A-3	EIFS PREFABRICATED PANEL, TERRANEO	ATHABASCA (DURABOND)
A-4	EIFS PREFABRICATED PANEL, METALLIC	IVORY
A-5	EIFS PREFABRICATED PANEL, METALLIC	RED
A-6	EIFS PREFABRICATED PANEL, METALLIC	BLACK
A-7	PREFINISHED METAL	BLACK
A-8	PREFINISHED METAL	WHITE

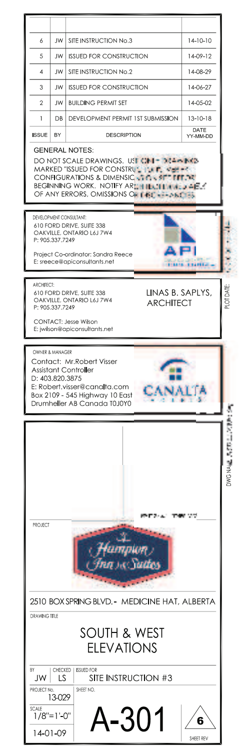
NOTES :

1. STUCCO COLOURS ARE BASED ON "DRYVIT" COLOURS.
2. SEE A-602 FOR WINDOW SCHEDULE.
3. CHANGE OF COLOUR OCCURS ON INSIDE CORNER OF CONTROL JOINTS TO ACCENT BASE COLOUR.
4. ALL EXTERIOR H.M. DOORS AND FRAMES & LOUVRES ON FIRST FLOOR ARE TO BE PAINTED TO MATCH ADJACENT FINISH.
5. EIFS MUST BE INSTALLED IN ACCORDANCE WITH MFG'S STANDARDS RECOMMENDATIONS.
6. ALUMINUM WINDOWS AND DOORS TO BE PPG LIGHT BRONZE #40 K71232
7. WINDOW GRILLES AND LOUVRES TO BE PREFINISHED TO MATCH WINDOW FRAMES.
8. ALL MECHANICAL LOUVRES ARE MOUNTED @ 10'-0" o.c. UNLESS OTHERWISE NOTED AND COLOUR TO MATCH ADJACENT FINISH

DRAWING LEGEND

- W1 — WINDOW / ALUMINUM SCREEN DESIGNATION SYMBOL
- SP — SPANDREL PANEL
- A-1 — EXTERIOR MATERIAL TYPE DESIGNATION SYMBOL
- +5" — DENOTES ADDITIONAL INSULATION THICKNESS OF EIFS ADDED TO NOMINAL 3" (SEE WALL TYPES - DRWG. A-002)
- DIRECTION OF OPERABLE WINDOW OPENING
- PREFINISHED METAL LOUVRE GRILLE COLOUR TO MATCH ADJACENT FINISH (REFERENCE MECHANICAL DRAWINGS FOR EXACT SIZE AND LOCATION)
- EIFS CONTROL JOINT. (10" BELOW FINISHED FLOOR) (TYP. AT EACH FLOOR LEVEL)
- FLOOR LEVEL DESIGNATION SYMBOL / FLOOR LEVEL
- PTAC LOUVER (SEE WINDOW SCHEDULE FOR DETAILS)
- STONE DESIGNATION

NOTE:
BUILDING SIGNAGE IS FOR REFERENCE PURPOSES ONLY. OWNER TO APPLY FOR SIGNAGE PERMIT IN FUTURE SUBMISSION.



EAST ELEVATION / CONNECTION LAYOUT

PROJECT PROFILE
“DUREX PANEL WALL SYSTEM”

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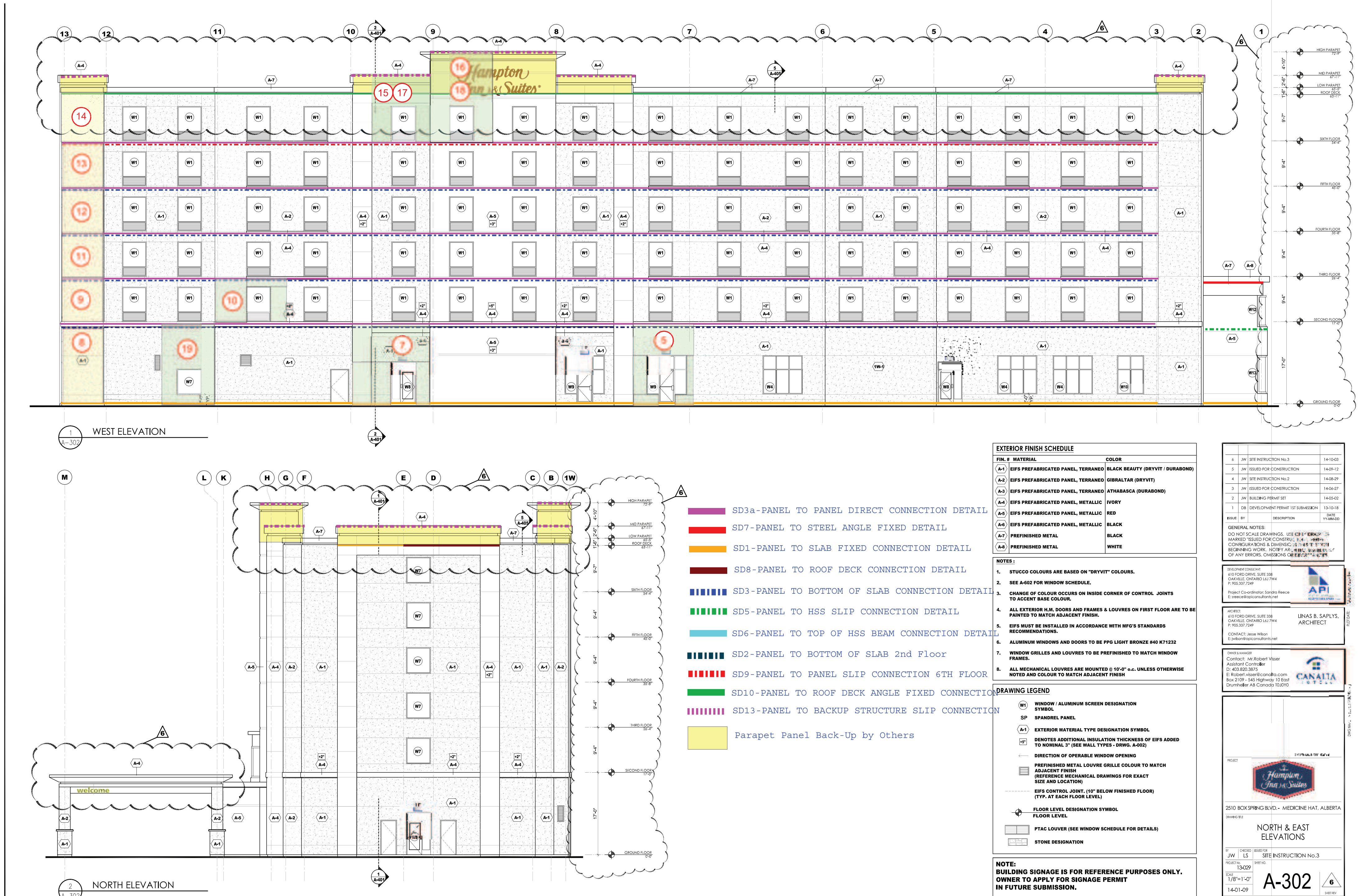
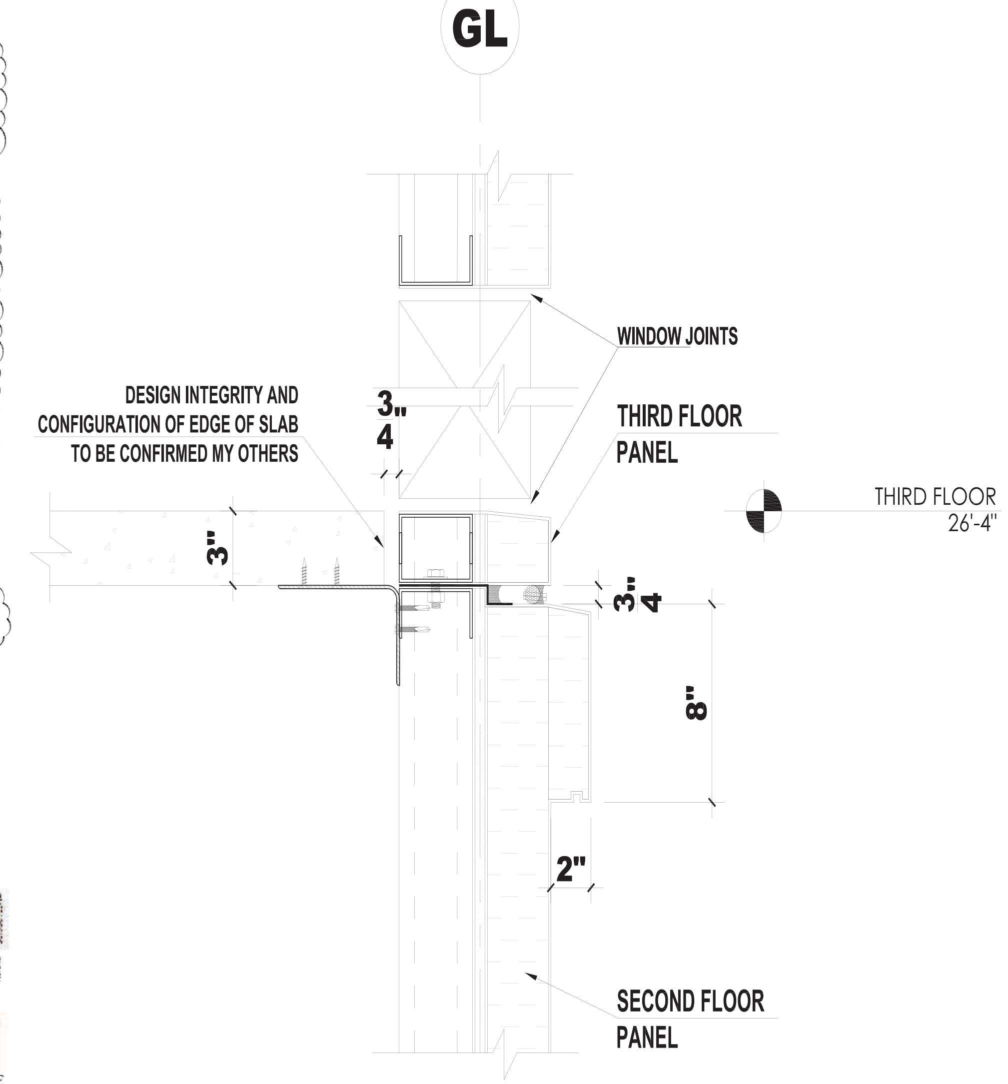
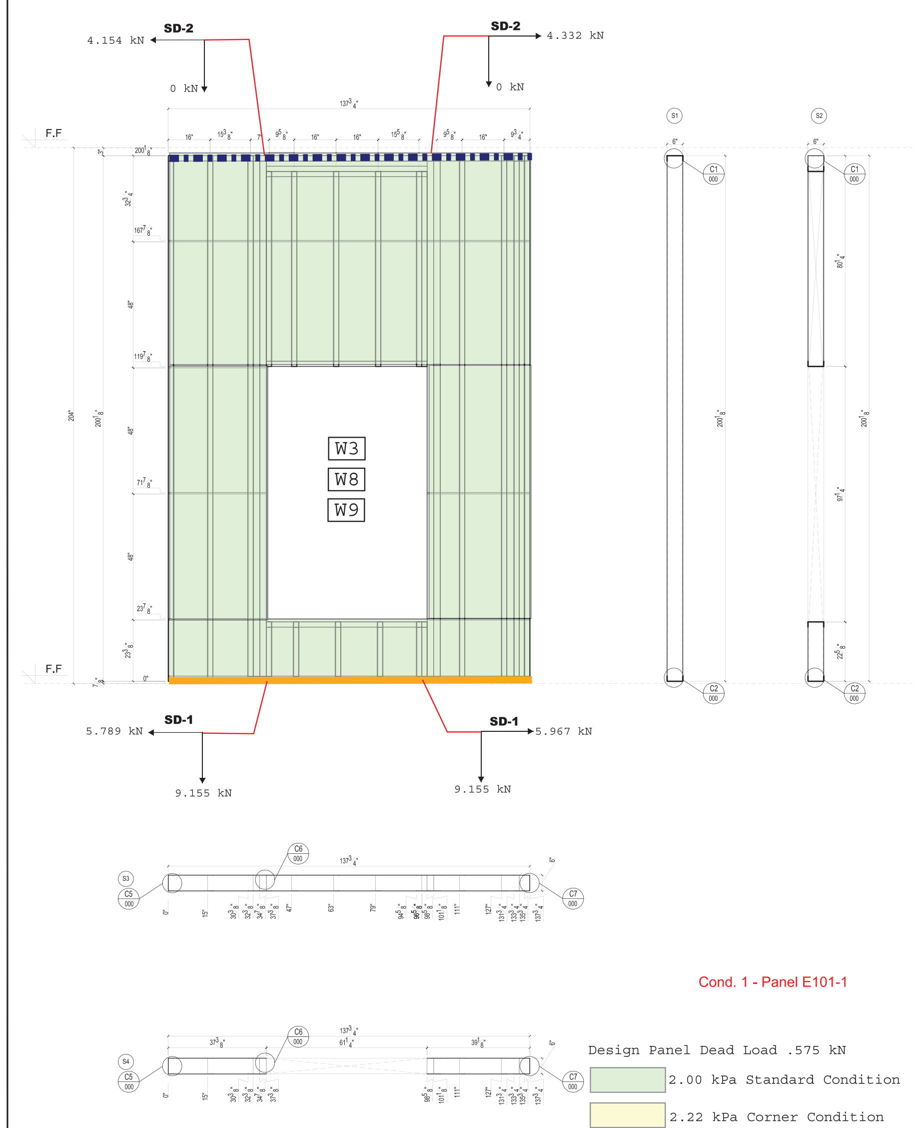




MD02- MOULDING DETAIL AT TOP OF TYPICAL FLOOR PANELS

PROJECT PROFILE
"DUREX PANEL WALL SYSTEM"

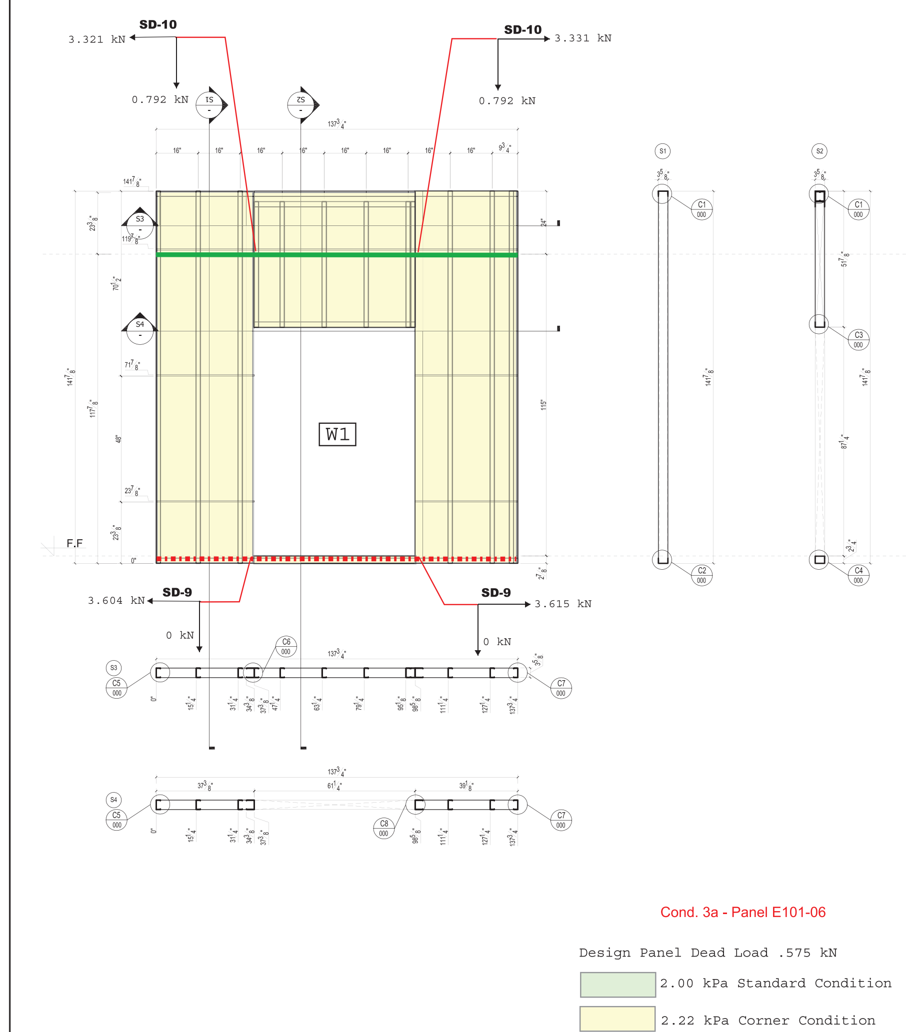
DURAbond BUILDING SYSTEMS INC.



COMPONENTS

ITEM	TYPE	LOCATION	QUANTITY
1			
2			
3			
4			
5			

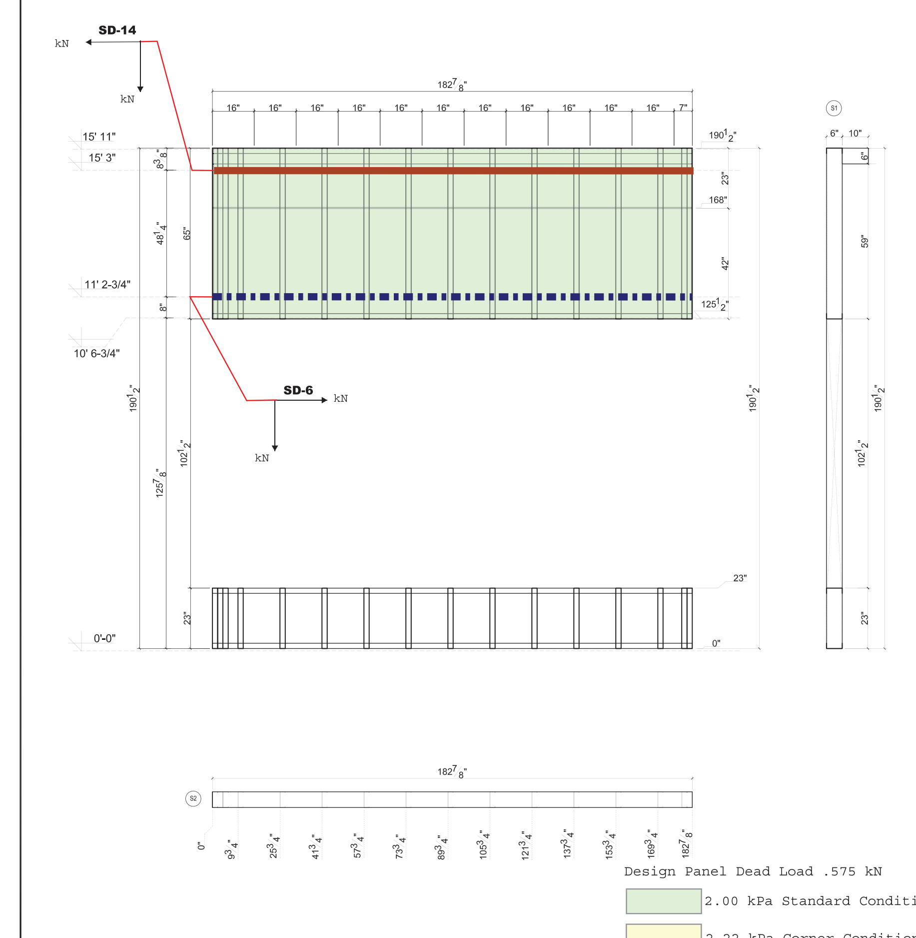
PROJECT NAME:	DRAWING TITLE:	DRAWING No:
HAMPTON INN & SUITES	METAL PANEL FABRICATION E101-01	E101-01
LOCATION: MEDICINE HAT, ALBERTA	DRAWN BY: MN · DATE: 10/7/2014 · SCALE: 3/8" = 1'0" · SHEET No: 1 OF 1	



COMPONENTS

ITEM	TYPE	LOCATION	QUANTITY
1			
2			
3			
4			
5			

PROJECT NAME:	DRAWING TITLE:	DRAWING No:
HAMPTON INN & SUITES	METAL PANEL FABRICATION E101-06	E101-06
LOCATION: MEDICINE HAT, ALBERTA	DRAWN BY: MN · DATE: 10/7/2014 · SCALE: 3/8" = 1'-0" · SHEET No: 1 OF 1	



COMPONENTS

ITEM	TYPE	LOCATION	QUANTITY
1			
2			
3			
4			
5			

PROJECT NAME:	DRAWING TITLE:	DRAWING No:
HAMPTON INN & SUITES	METAL PANEL FABRICATION E1101A	E1101A
LOCATION: MEDICINE HAT, ALBERTA	DRAWN BY: MN · DATE: 10/7/2014 · SCALE: 3/8" = 1'0" · SHEET No: 1 OF 1	

PROJECT PROFILE
"DUREX PANEL WALL SYSTEM"

DURAbond BUILDING SYSTEMS INC.

PANEL INSTALLATION

PROJECT PROFILE
"DUREX PANEL WALL SYSTEM"

DURAbond
BUILDING SYSTEMS INC.

PANEL INSTALLATION

PROJECT PROFILE
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WEST ELEVATION PANEL INSTALLATION

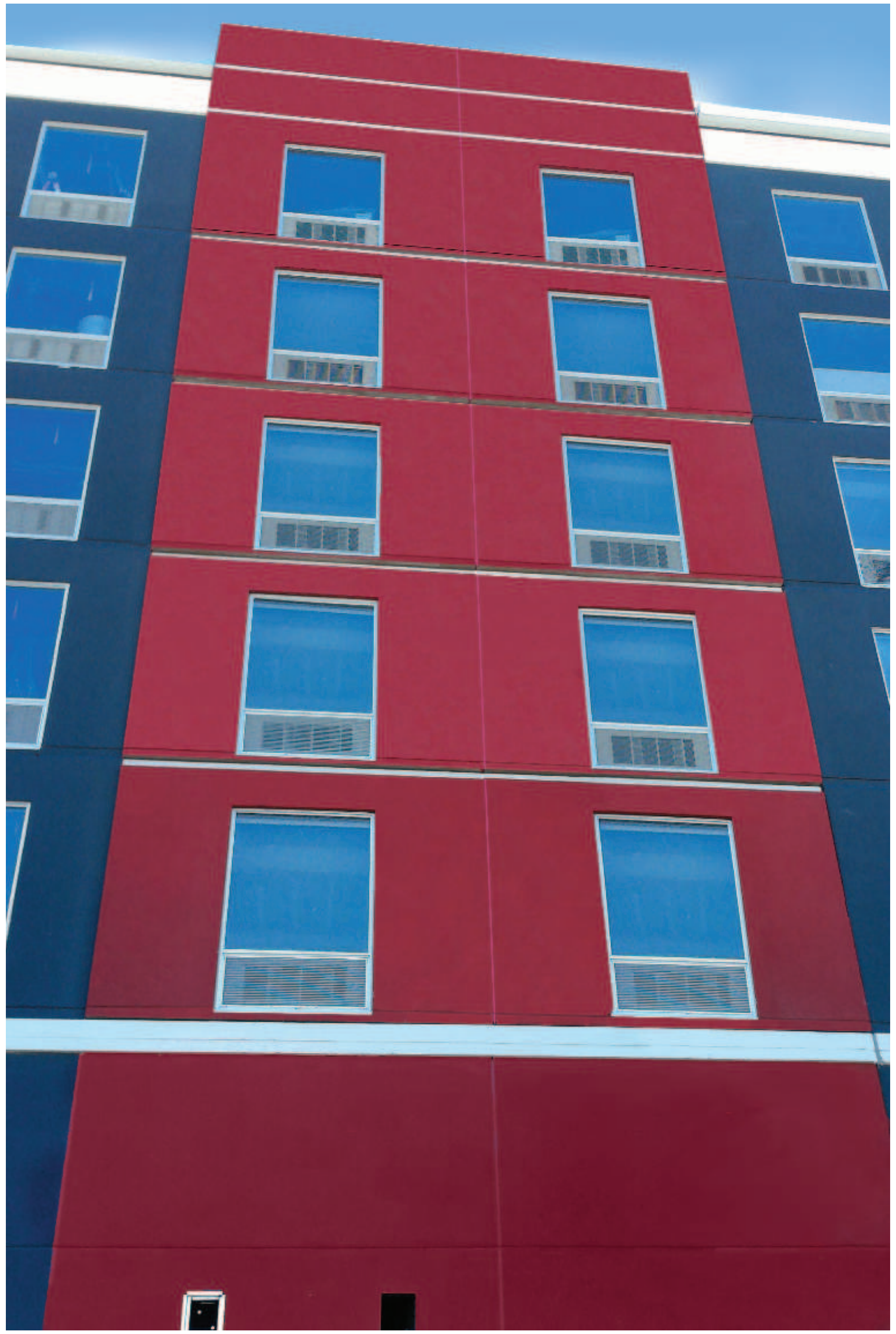
PROJECT PROFILE
"DUREX PANEL WALL SYSTEM"

DURAbond BUILDING SYSTEMS INC.

EAST ELEVATION PANEL INSTALLATION

PROJECT PROFILE
“DUREX PANEL WALL SYSTEM”

DURAbond BUILDING SYSTEMS INC.



WEST ELEVATION PANEL INSTALLATION

PROJECT PROFILE
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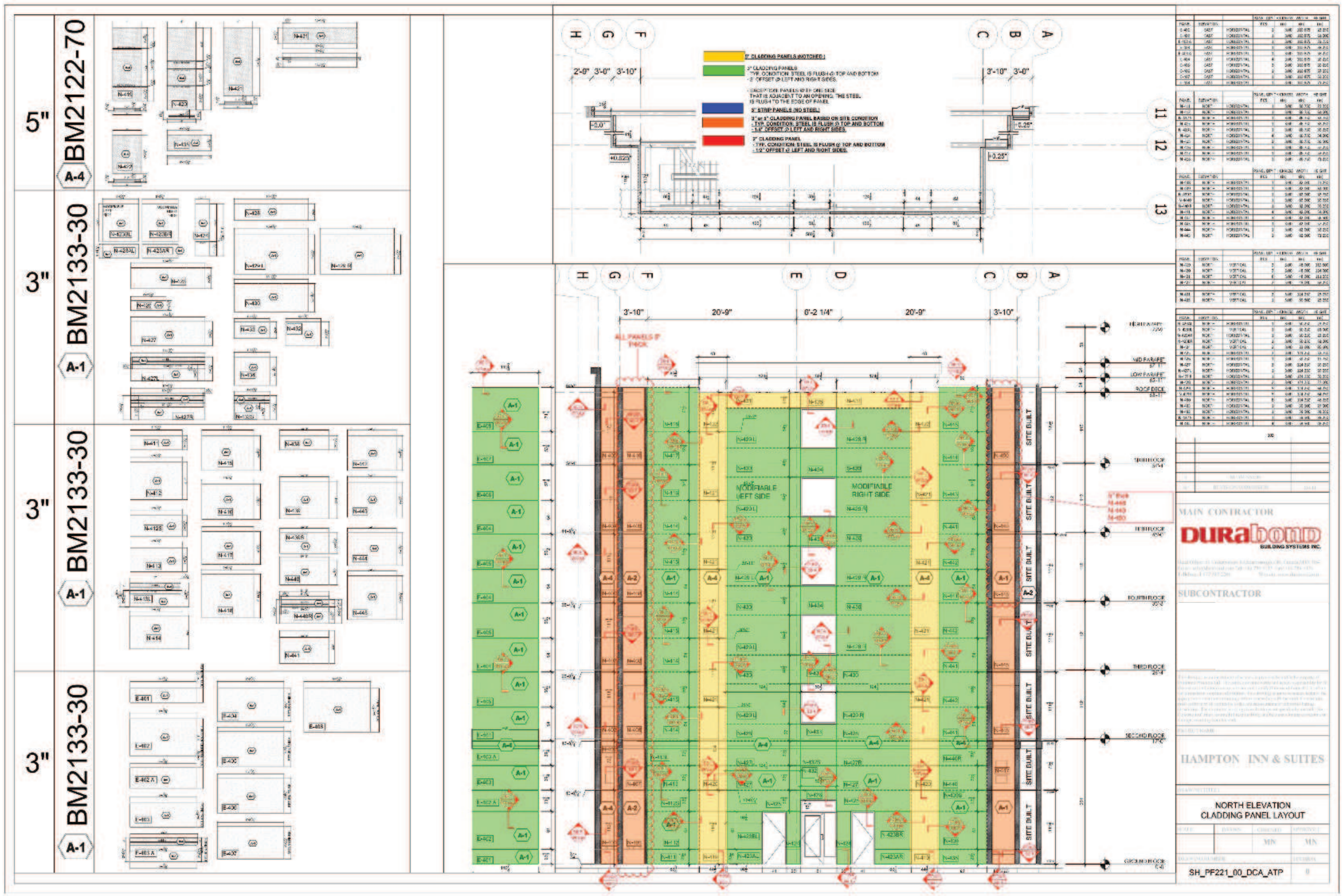
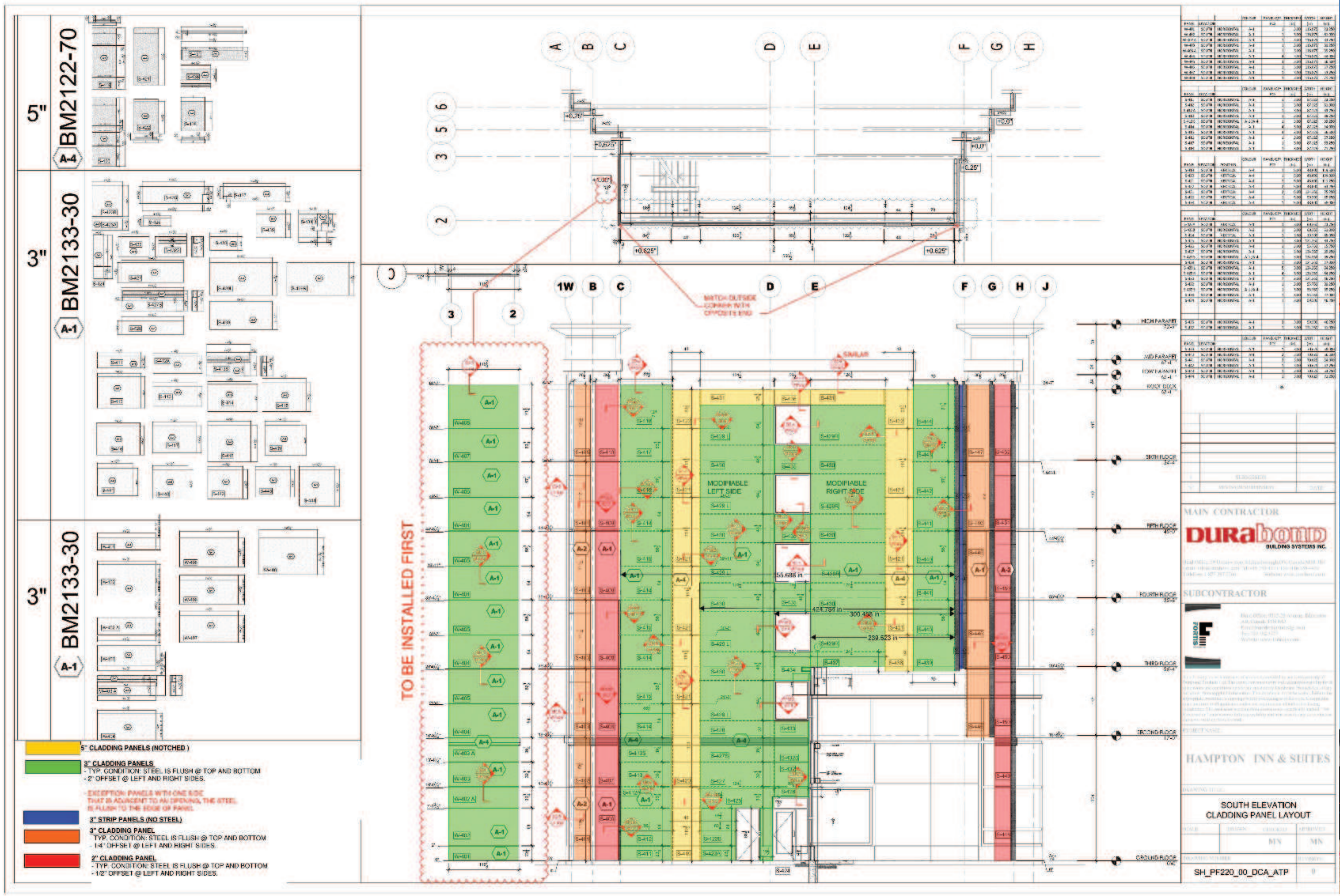
DURAbond BUILDING SYSTEMS INC.



CLADDING PANEL INSTALLATION / LAYOUT

PROJECT PROFILE
"DUREX PANEL WALL SYSTEM"

DURAbond
BUILDING SYSTEMS INC.



CLADDING PANEL INSTALLATION / LAYOUT

PROJECT PROFILE
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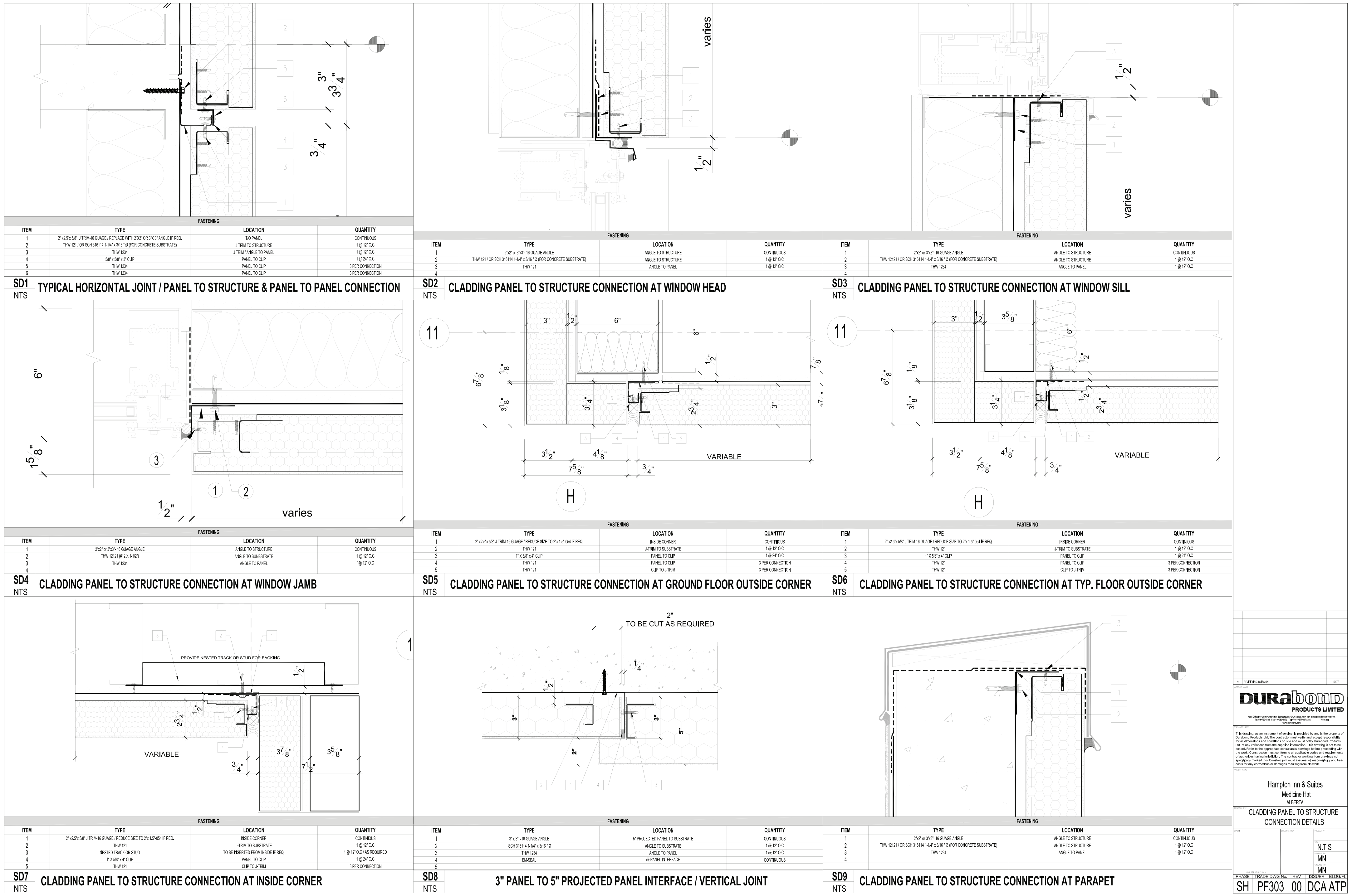

CLADDING PANEL INSTALLATION

PROJECT PROFILE
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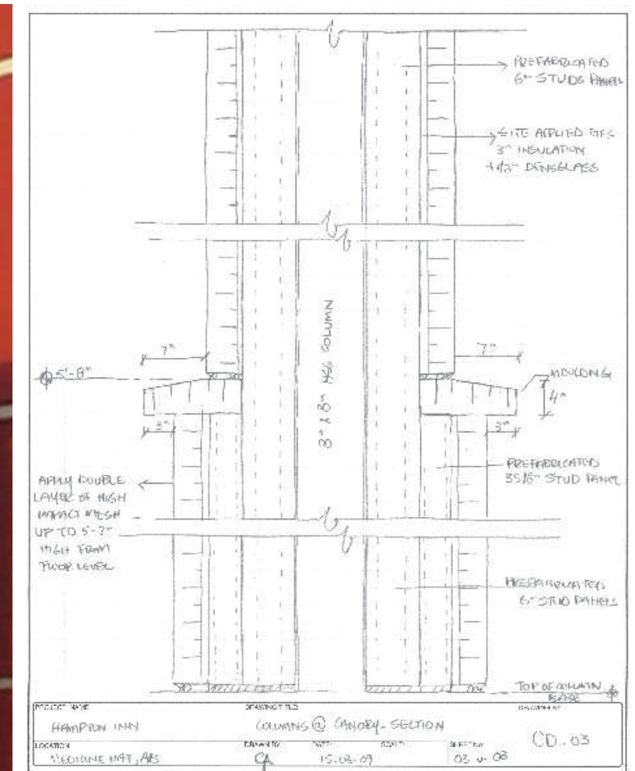

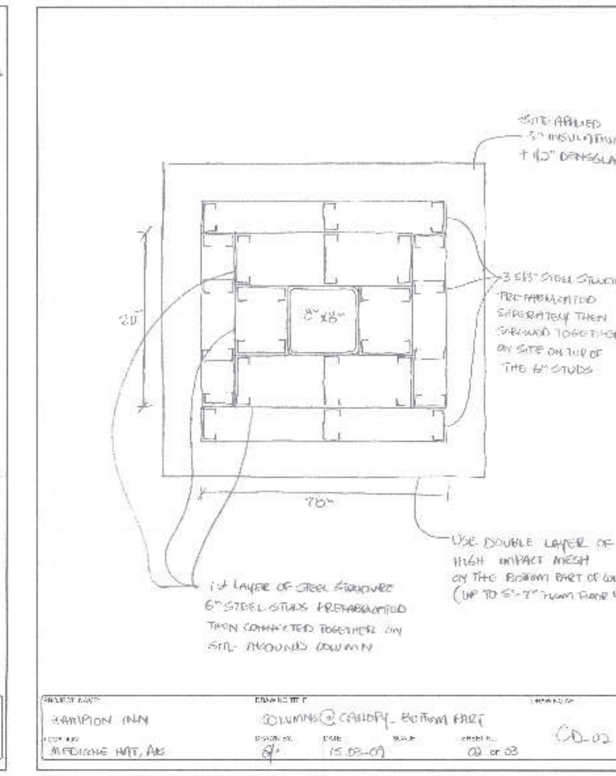

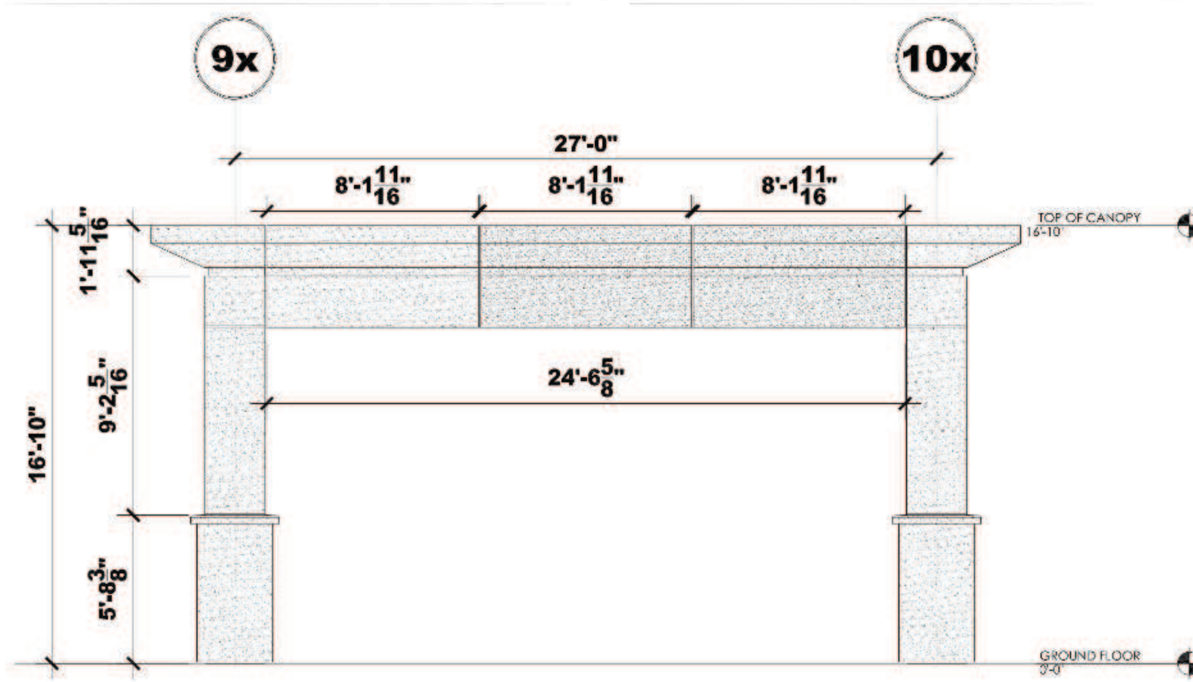

FRONT ENTRANCE CANOPY INSTALLATION