



COURTYARD MARRIOTT - SASKATOON



PROJECT PROFILE

"DUREX PANEL WALL SYSTEM"

DURAbond
BUILDING SYSTEMS INC.



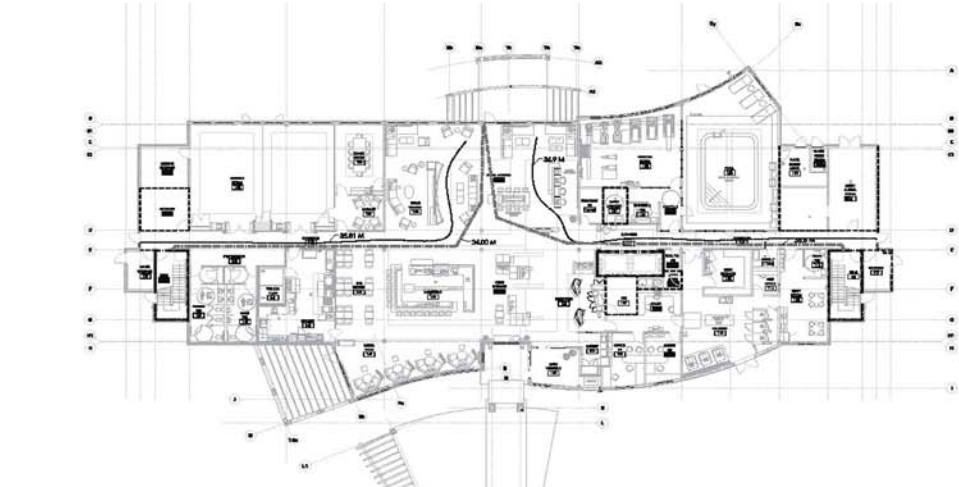
COURTYARD MARRIOTT

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Phone: (416) 759-4474 Fax: (416) 759-4470 E-mail: info@durabond.com

PROJECT PROFILE

“DUREX PANEL WALL SYSTEM”

Item	NATIONAL BUILDING CODE DATA MATRIX	NBC Reference
1	PROJECT NAME & LOCATION MARRIOTT COUNTRYWIDE SARASOTA, FL	1.1.2, (4)
2	MAJOR OCCUPANCY(ies) Residential - Group C Assembly - Group A, Division 2	3.1.2.1
3	BUILDING AREA Existing: 1,408.0 sqm (15,156 sq. ft.) New: 7,518.0 sqm (80,906 sq. ft.)	5.1.1.2(4)
4	GROSS AREA Existing: 1,408.0 sqm (15,156 sq. ft.) New: 7,518.0 sqm (80,906 sq. ft.)	5.1.1.2
5	NUMBER OF STOREYS Above Grade: 6 storeys Below Grade: None	5.1.1.3, (4) & 5.1.1.4
6	HEIGHT OF BUILDING 18.40 m (60.35 ft.)	5.1.1.3
7	NUMBER OF STREET ACCESS ROUTES Facing 1 Street	5.2.2.10
8	BUILDING CLASSIFICATION Group A, Division 2, up to 6 Storeys, Any area, Optional	5.2.2.34
9	SPRINKLER SYSTEM PROPOSED New building In lieu of roof rating Not required	5.2.2.34
10	STANDPIPE REQUIRED YES NO	5.2.2.8
11	FIRE ALARM REQUIRED YES NO	5.2.2.4
12	WATER SUPPLY IN ADEQUATE YES NO	5.2.2.3
13	HIGH BUILDING YES NO	5.2.2.1
14	CONSTRUCTION PERMITTED Combustible Non-combustible Combustible Non-combustible	5.2.2.45
15	MIZZANINUS None	5.1.1.10(4)
16	OCCUPANT LOAD based on 1st Floor: 127 persons 2nd Floor: 96 persons 3rd Floor: 96 persons 4th Floor: 96 persons 5th Floor: 96 persons 6th Floor: 96 persons	5.1.1.7.1(2)
17	BARBERSHOP FIRE DETECTOR YES NO	5.8
18	HAZARDOUS SUBSTANCES YES NO	5.8.1.3, (1) & 5.8.1.10(1)
19	Horizontal Assembly Fire Room: 1 hour Roof: no rating Railing: no rating Rising: no rating Rising: no rating	5.2.2.34 5.2.2.24 5.2.2.34 5.2.2.34
20	WASHROOM FACILITIES W.C. REQUIRED: 20 STAFF: 1 W.C. PROVIDED: 20 STAFF: 1	3.7.4
21	EVTS 1st Floor: 2 2nd Floor: 2	5.4.2.1 number 5.4.2.2 del. between 5.4.2.3(1) with 5.4.2.4 level distance 5.4.2.5 (1) (4) capacity 5.4.2.6(1) capacity 2nd level
22	SPATIAL SEPARATION - Construction of Exterior Walls Wall: 180 mm East: 180 mm West: 180 mm North: 180 mm South: 180 mm	5.3.1.1 5.3.1.2 5.3.1.3 5.3.1.4 5.3.1.5



1 GROUND FLOOR FIRE SEPARATION PLAN
1/16" = 1'-0"

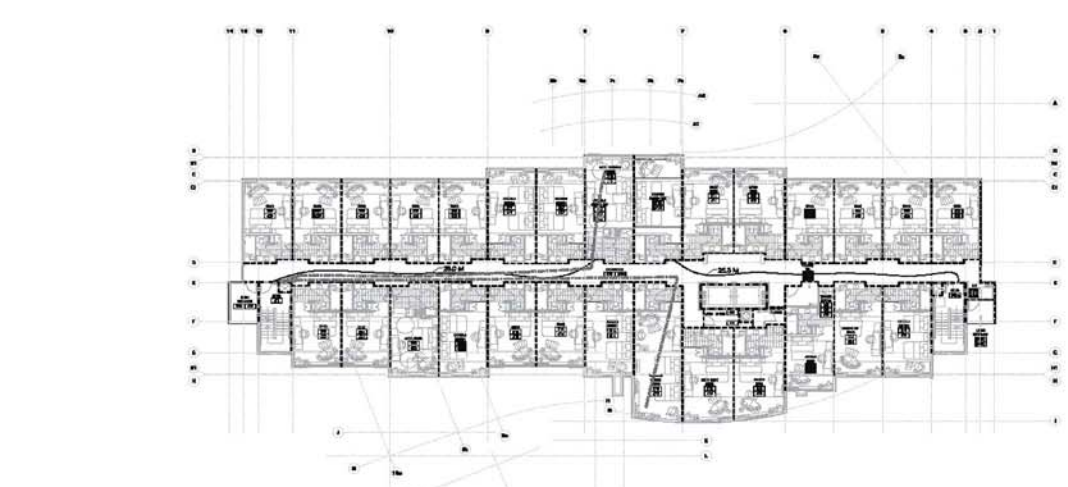
FIRE SEPARATION HAVING FIRE RESISTANCE RATING
1 HR - SUITE DEMISING WALLS
1 HR - CORRIDOR WALLS AT SUITES
2 HR - EXIT STAIRS, ELEVATOR SHAFT
1 HR - SERVICE & ELECTRICAL ROOMS
1 HR - FLOORS
0 HR - ROOF

SEAL TOP AND JOINTS IN MASONRY FIRE RATED WALLS WITH NON-SHRINK GROUT OR ULC RATED FIRE STOP CAULKING

ALL FIRE RATED PARTITIONS TO HAVE FIRE STOP CAULKING AT TOP & BOTTOM OF GYPSUM BOARD.

ANY COMBUSTIBLE INSULATION MATERIAL SHALL COMPLY WITH O.B.C., ARTICLE 3.1.5.12

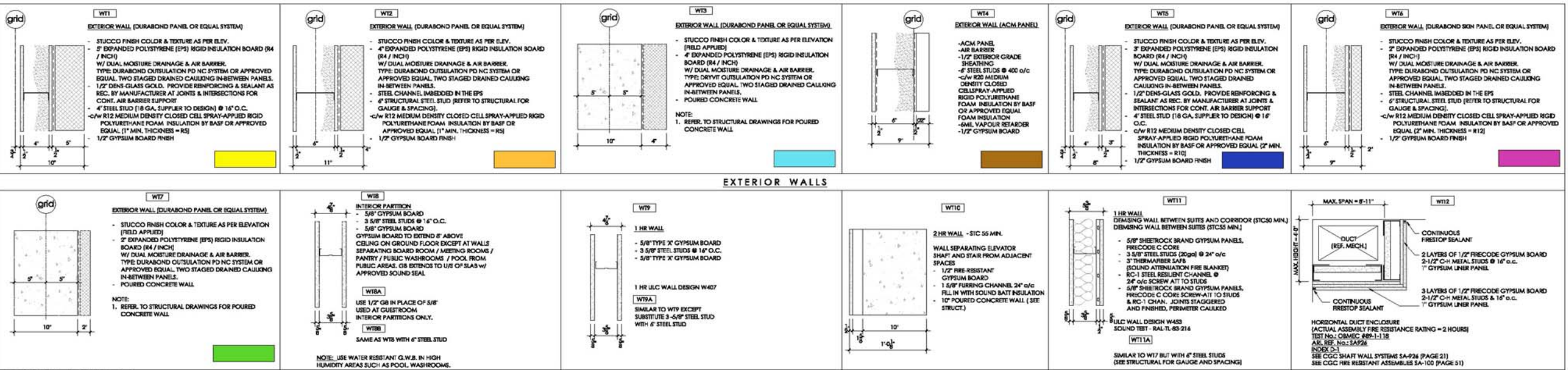
BUILDING AREA SUMMARY		
GROUND FLOOR	15,156 SQ.F.	1,408 SQ.M
2ND FLOOR	13,150 SQ.F.	1,222 SQ.M
3RD FLOOR	13,150 SQ.F.	1,222 SQ.M
4TH FLOOR	13,150 SQ.F.	1,222 SQ.M
5TH FLOOR	13,150 SQ.F.	1,222 SQ.M
6TH FLOOR	13,150 SQ.F.	1,222 SQ.M
TOTAL GROSS BUILDING AREA:	80,906 SQ.F.	7,518 SQ.M



2 TYPICAL FLOOR FIRE SEPARATION PLAN
1/16" = 1'-0"

ROOM MIX	2ND	3RD	4TH	5TH	6TH	TOTAL	MIX %	TOTAL ACCESSIBLE
KING	13	13	13	13	13	65	46.4	
KING ACCESSIBLE	1	1	1	1	1	5	3.6	5
MOD KING	4	4	4	4	4	20	14.3	
MOD EXT KING	2	2	2	2	2	10	7.2	
DOUBLE QUEEN	5	5	5	5	5	25	17.8	
DOUBLE QUEEN SUITES	1	1	1	1	1	5	3.6	
DOUBLE QUEEN EXT	1	1	2	2	2	8	5.7	
DOUBLE QUEEN ACCESSIBLE	1	1				2	1.4	2
TOTAL	28	28	28	28	28	140	100%	5%

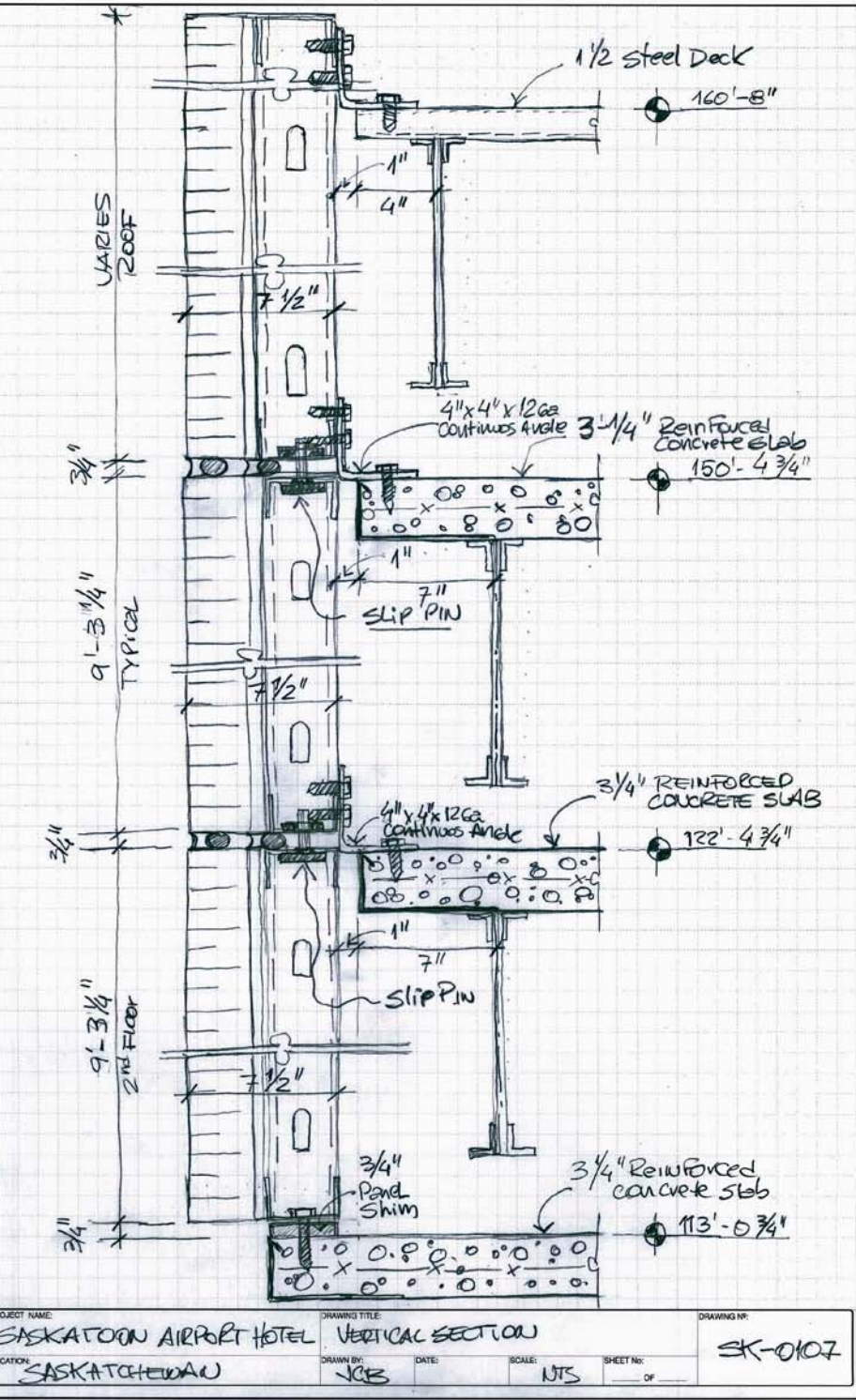
WALL TYPE NOTES
NO STEEL STUDS OR GYPSUM BOARD ON CONCRETE WALLS REQUIRED IN STAIRWELLS, ELEVATOR SHAFT
WALLS SURROUNDING OFFICE AREAS, PUBLIC WASHROOMS, POOL & MEETING ROOMS TO ALSO HAVE 9 1/2" SOUND INSULATION
POOL AREA & SUITE WASHROOMS TO HAVE MOISTURE, MOLD AND MILDEW RESISTANT GYPSUM BOARD ON WALLS AND CEILING. TYPE:
- AQUA-TOUGH FIREBLOCK SHEATHING BY CGC FOR SMOOTH PAINTED SURFACES
- DUREX CEMENT BOARD SHEATHING BEHIND ALL CERAMIC TILE OR APPROVED EQUAL
SHOWER AND BATHTUB ENCLOSURES IN SUITE WASHROOMS TO HAVE DENS ARMOUR PLUS FOR SMOOTH PAINTED SURFACES OR APPROVED EQUAL
SEAL TOP AND JOINTS IN MASONRY FIRE RATED WALLS WITH NON-SHRINK GROUT OR ULC RATED FIRE STOP CAULKING
ALL FIRE RATED PARTITIONS TO HAVE FIRE STOP CAULKING AT TOP AND BOTTOM OF GYPSUM BOARD



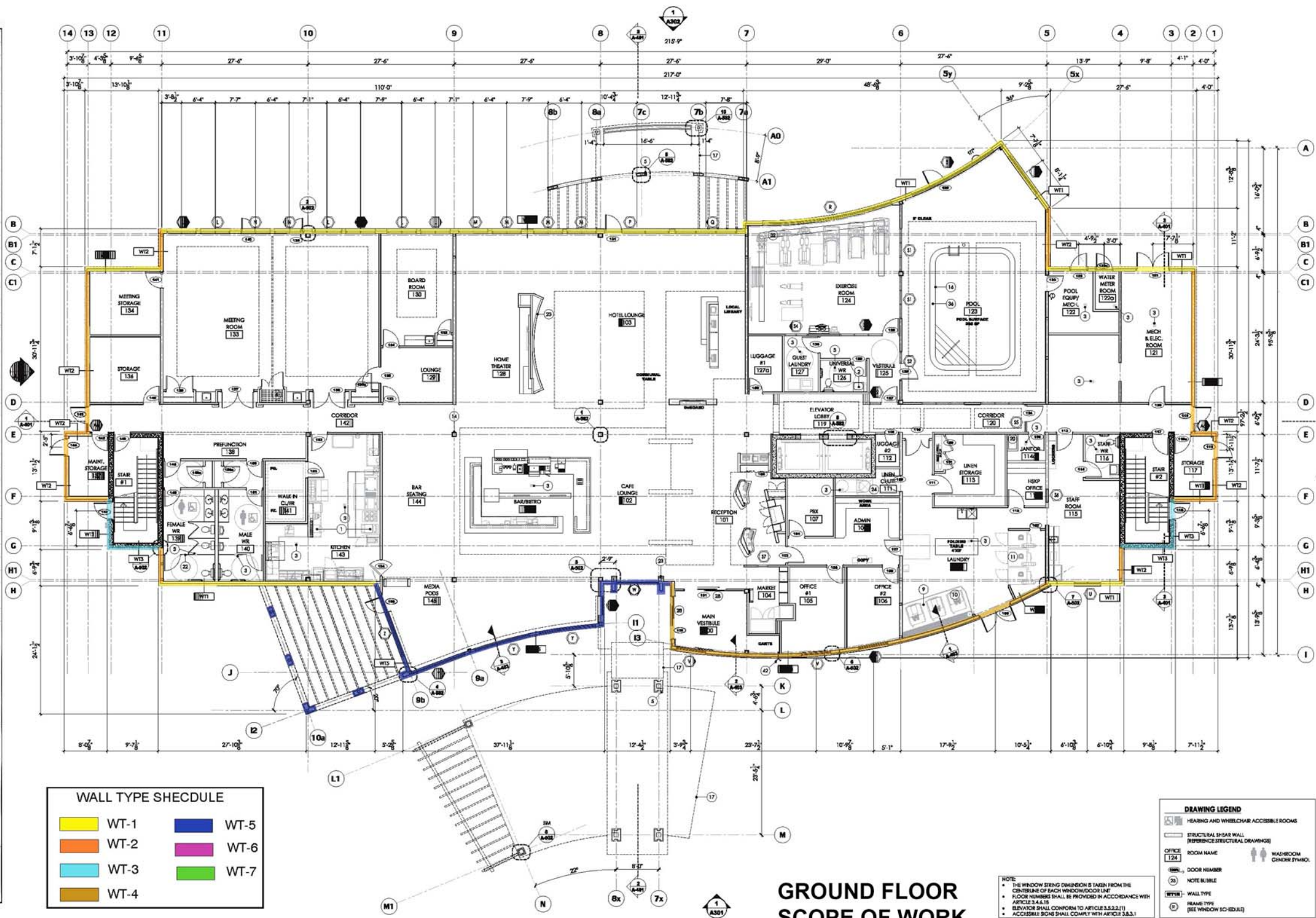
WALL SCHEDULE

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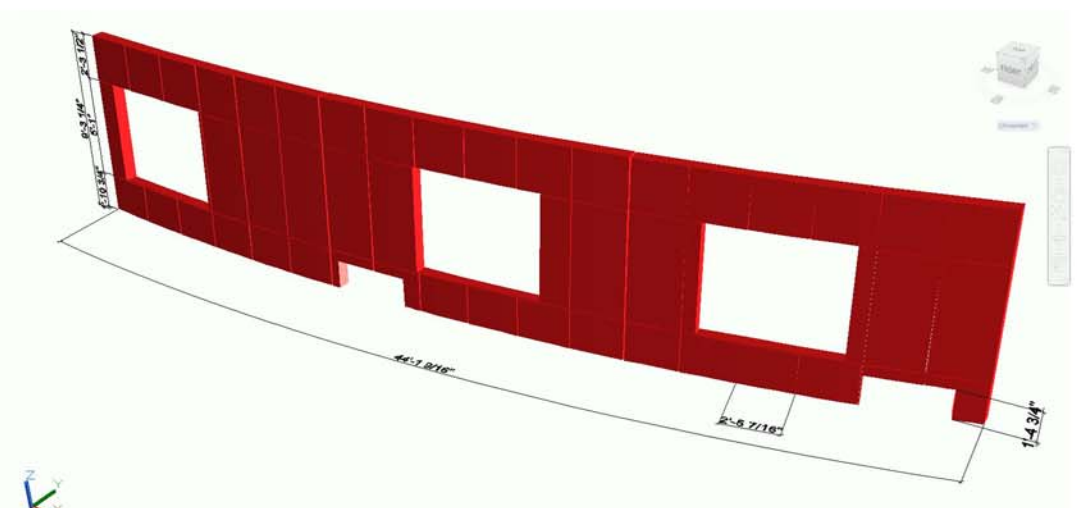
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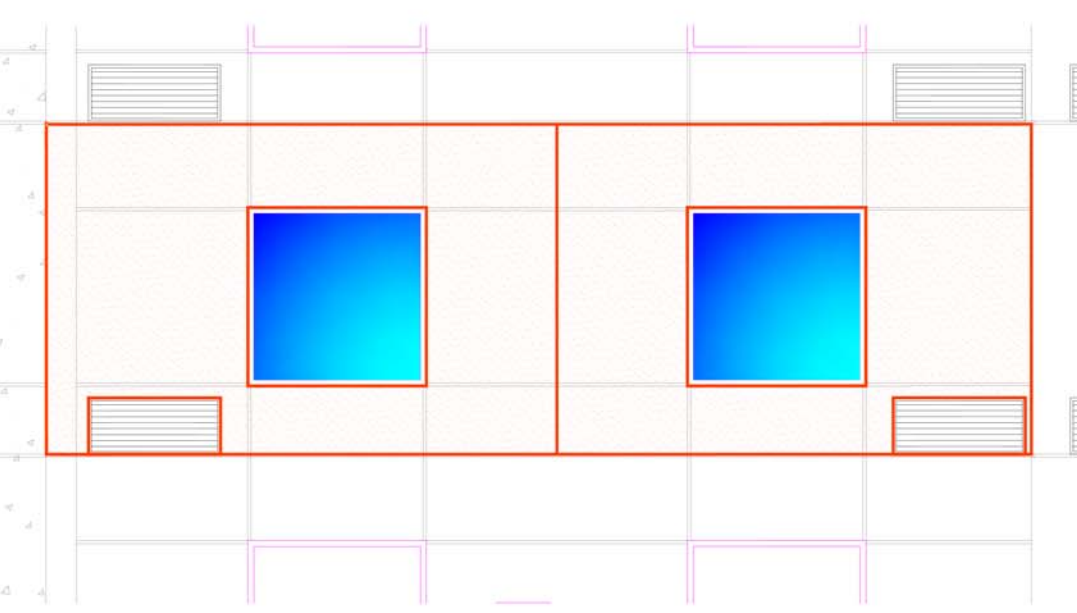
TYPICAL WALL SECTION



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ROUNDED WALL W/ PREFABRICATED EIFS PANELS
METALIC FINISH



TYPICAL PANEL LAYOUT
WITH PUNCHED OPENINGS
AVAREGE PANEL SIZE 9'-3" X 13'6"



TYPICAL FLOOR
SCOPE OF WORK

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SOUTH ELEVATION



NORTH ELEVATION

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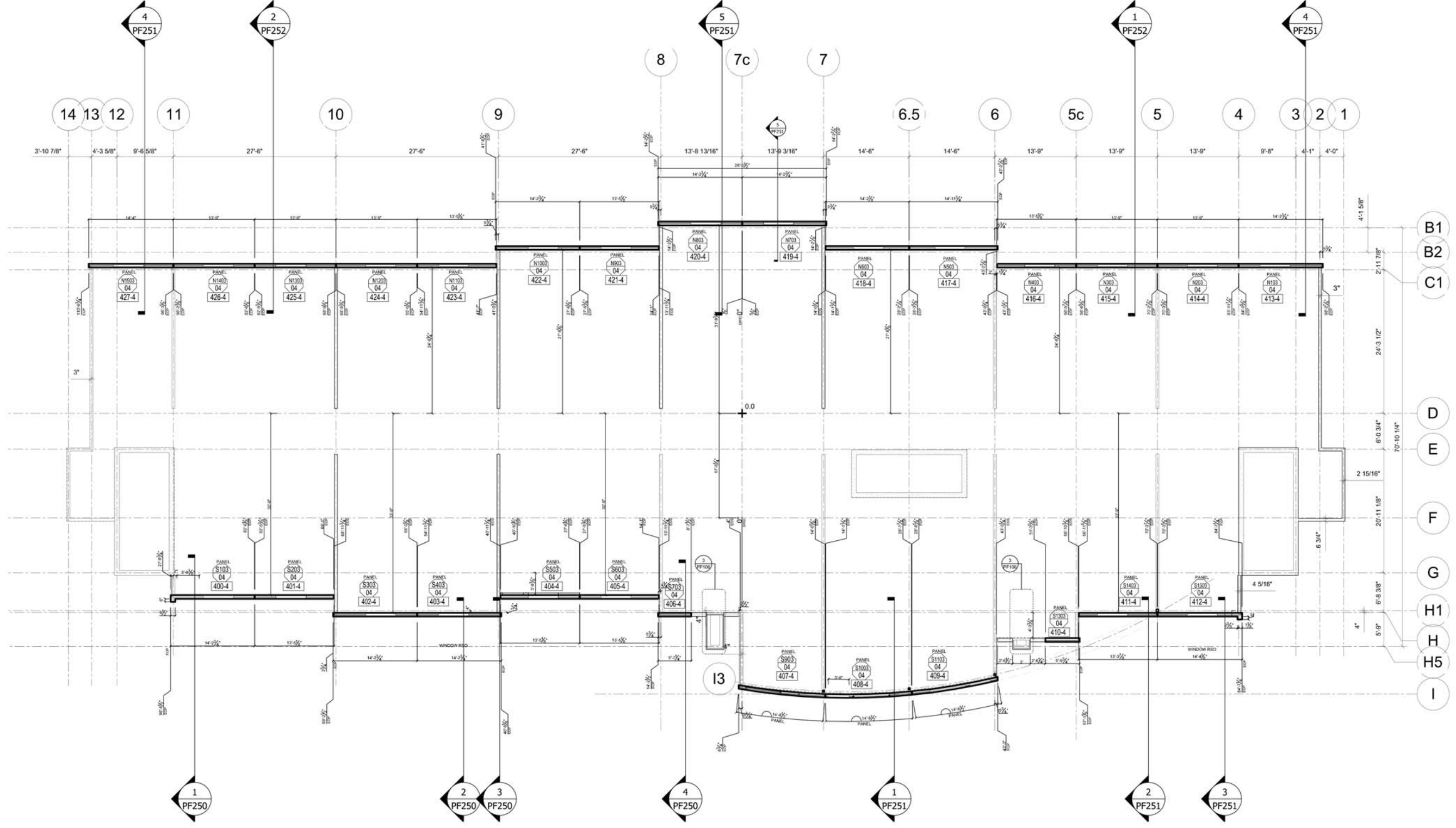
WEST ELEVATION



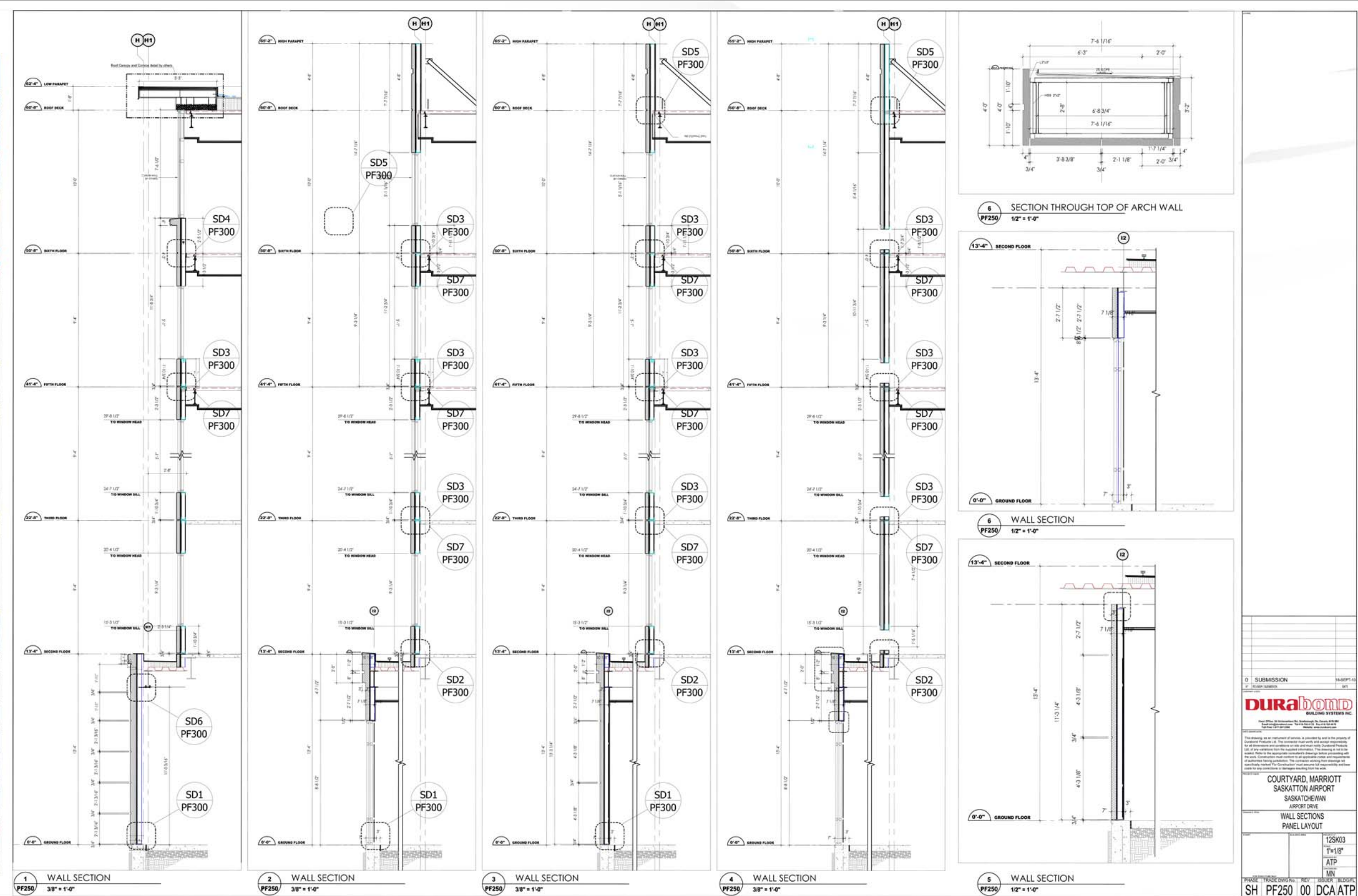
EAST ELEVATION

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TYPICAL FLOOR LAYOUT



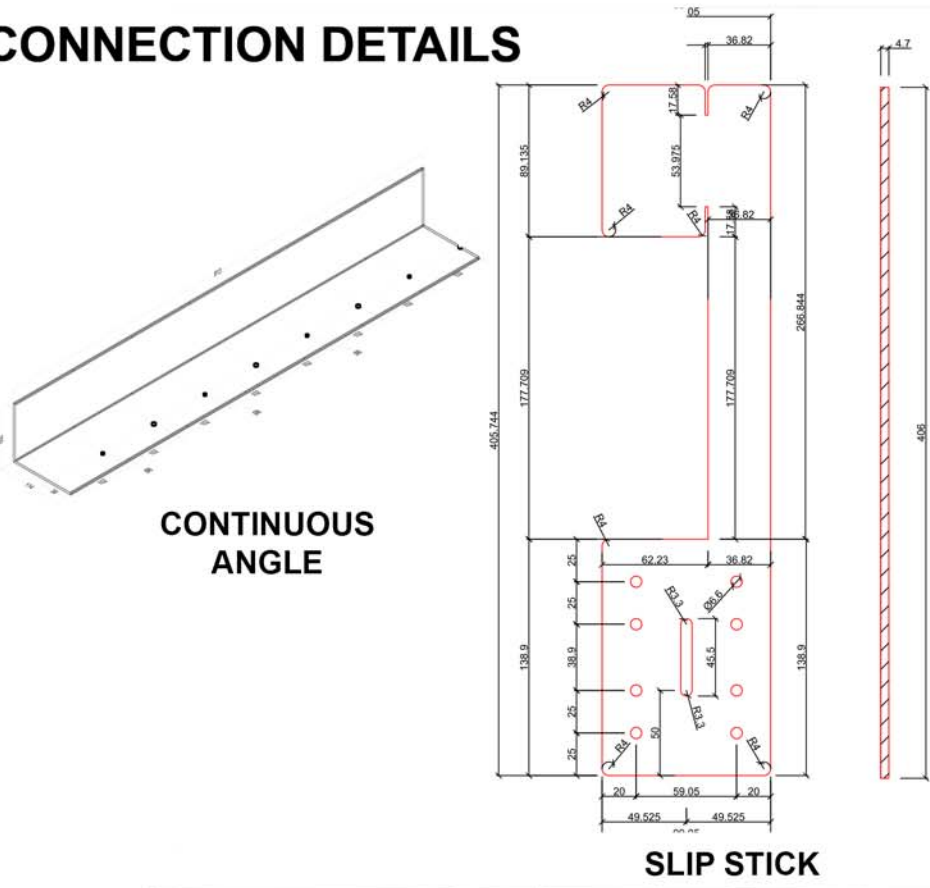
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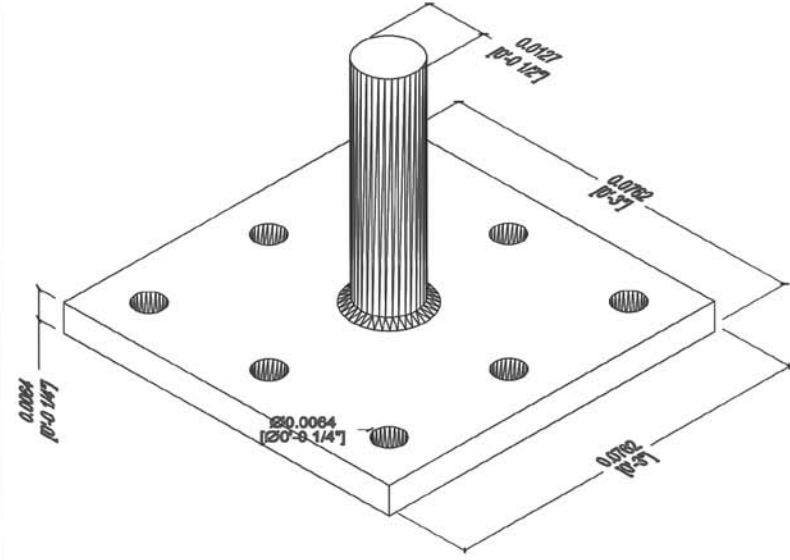
CONNECTION DETAILS



CONTINUOUS ANGLE

SLIP STICK

Table with 4 columns: ITEM DESCRIPTION, SIZE, UNIT WGT, TOTAL PCS. Row 1: SLIP PIN (Panel Slip Connection), 1/2" x 1/2" x 1/2", 680 lb, 200. Row 2: CONTINUOUS ANGLE, 1/2" x 1/2" x 1/2", 100 lb, 100.



SLIP PIN

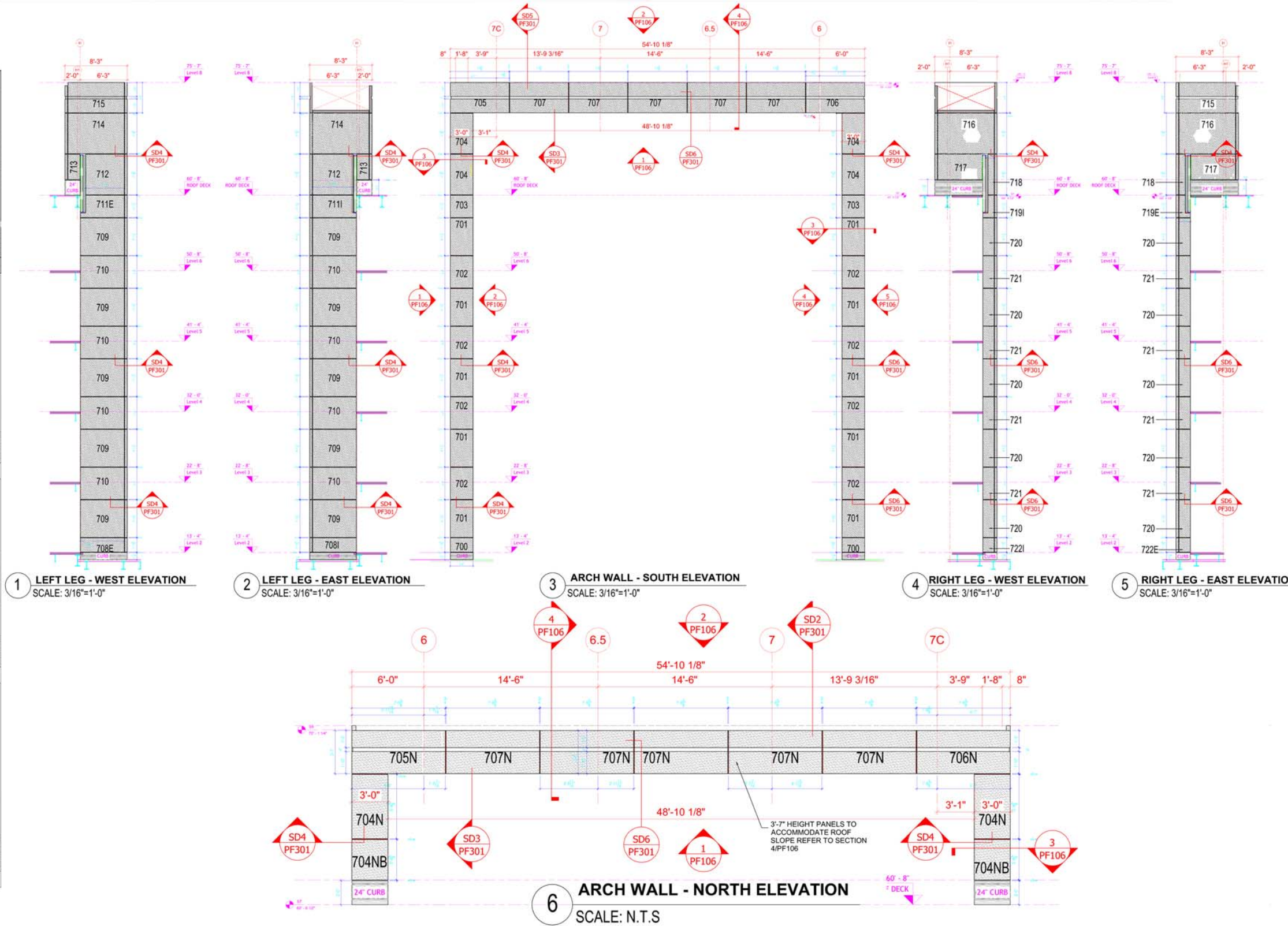
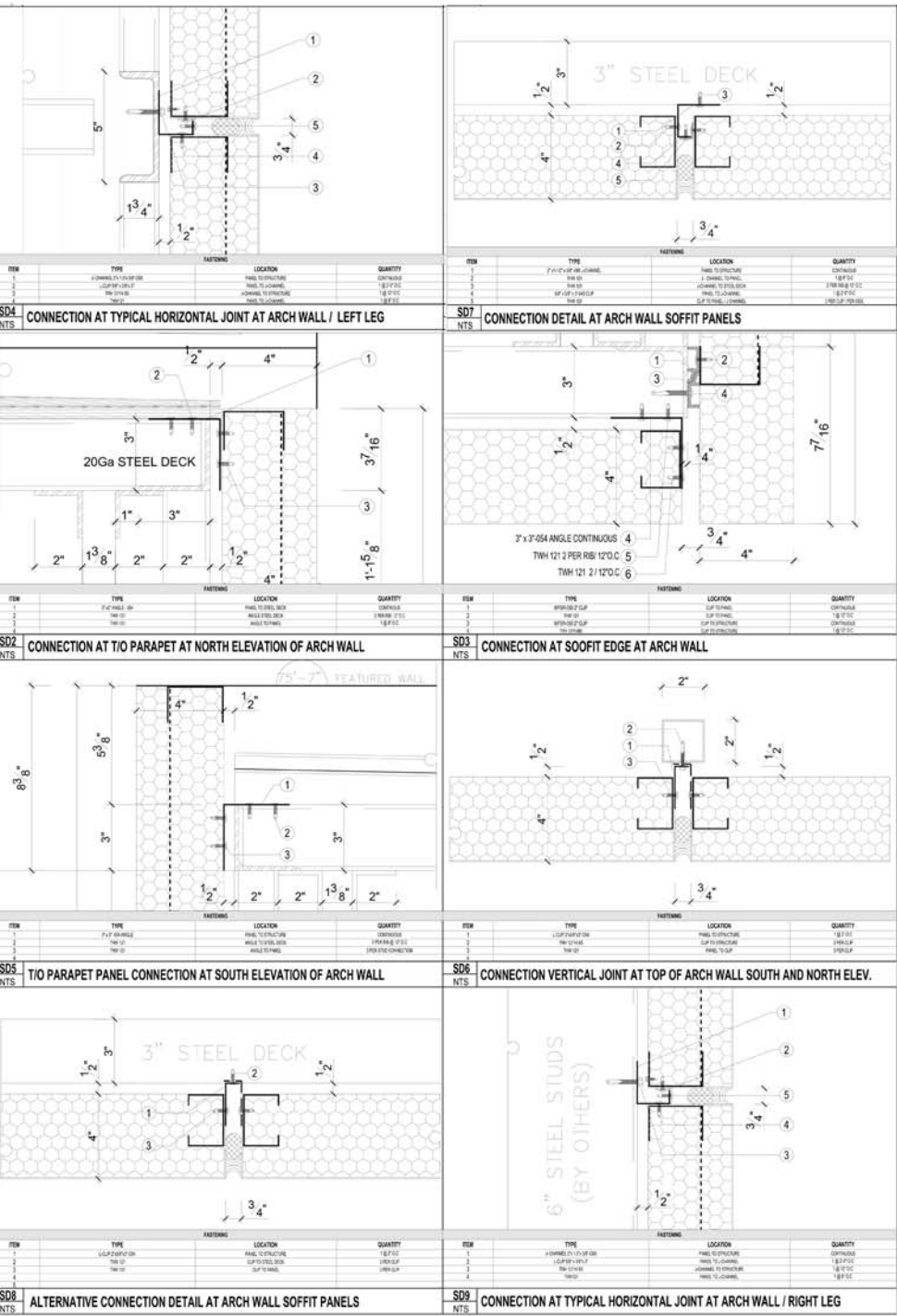
Grid of 12 connection detail diagrams (SD1-SD9) showing various wall and slab connections with associated item lists and quantities.

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PROJECT PROFILE

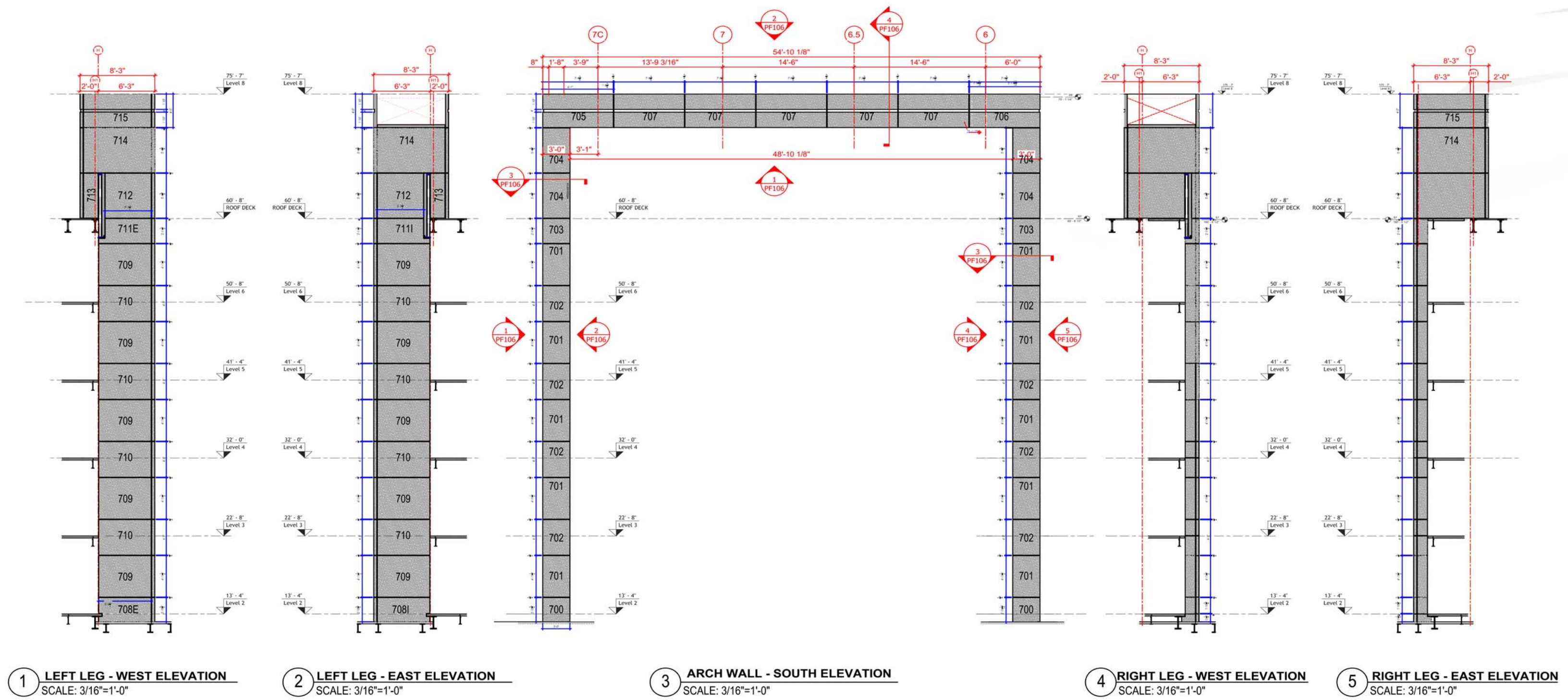
“DUREX PANEL WALL SYSTEM”

ARCH WALL PANEL LAYOUT



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AECH WALL PANEL LAYOUT



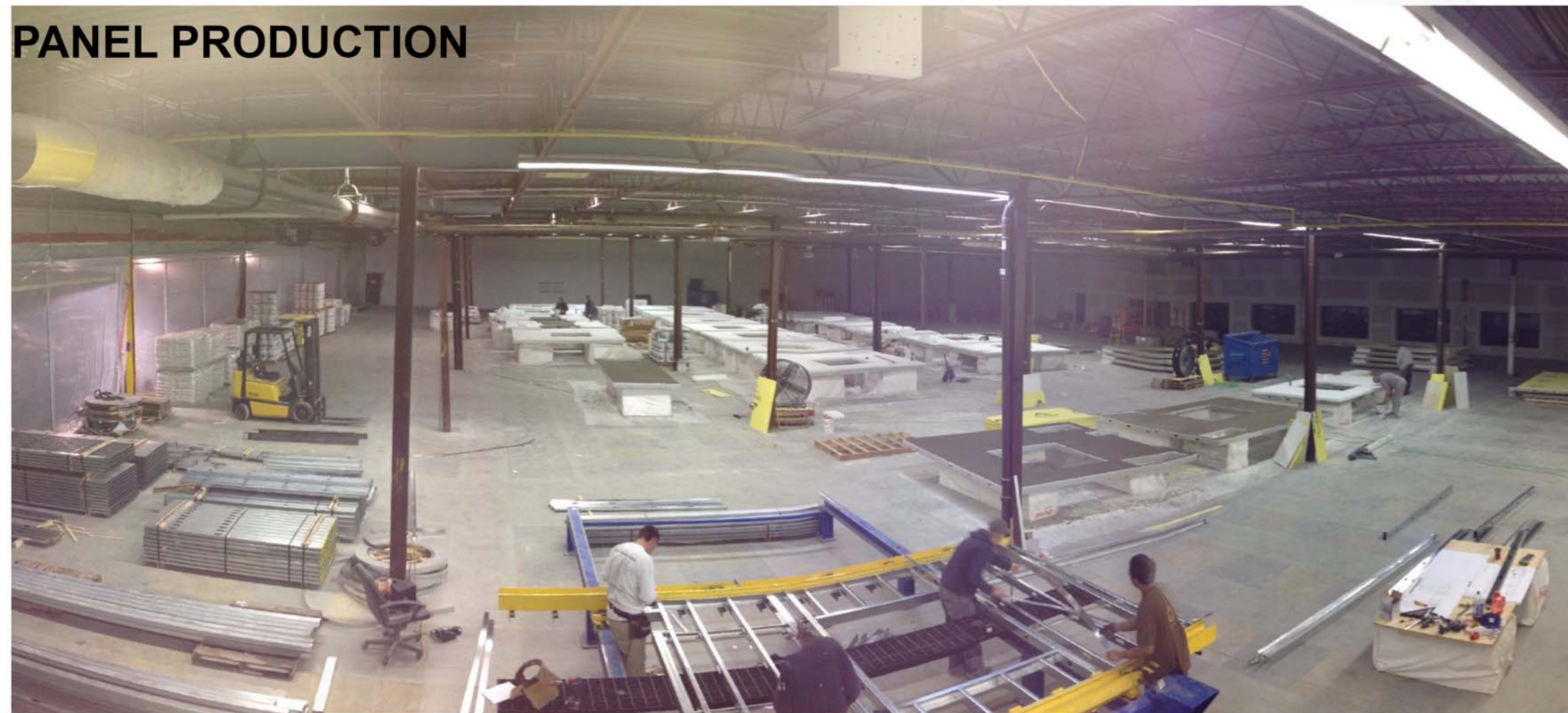
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PANEL PRODUCTION



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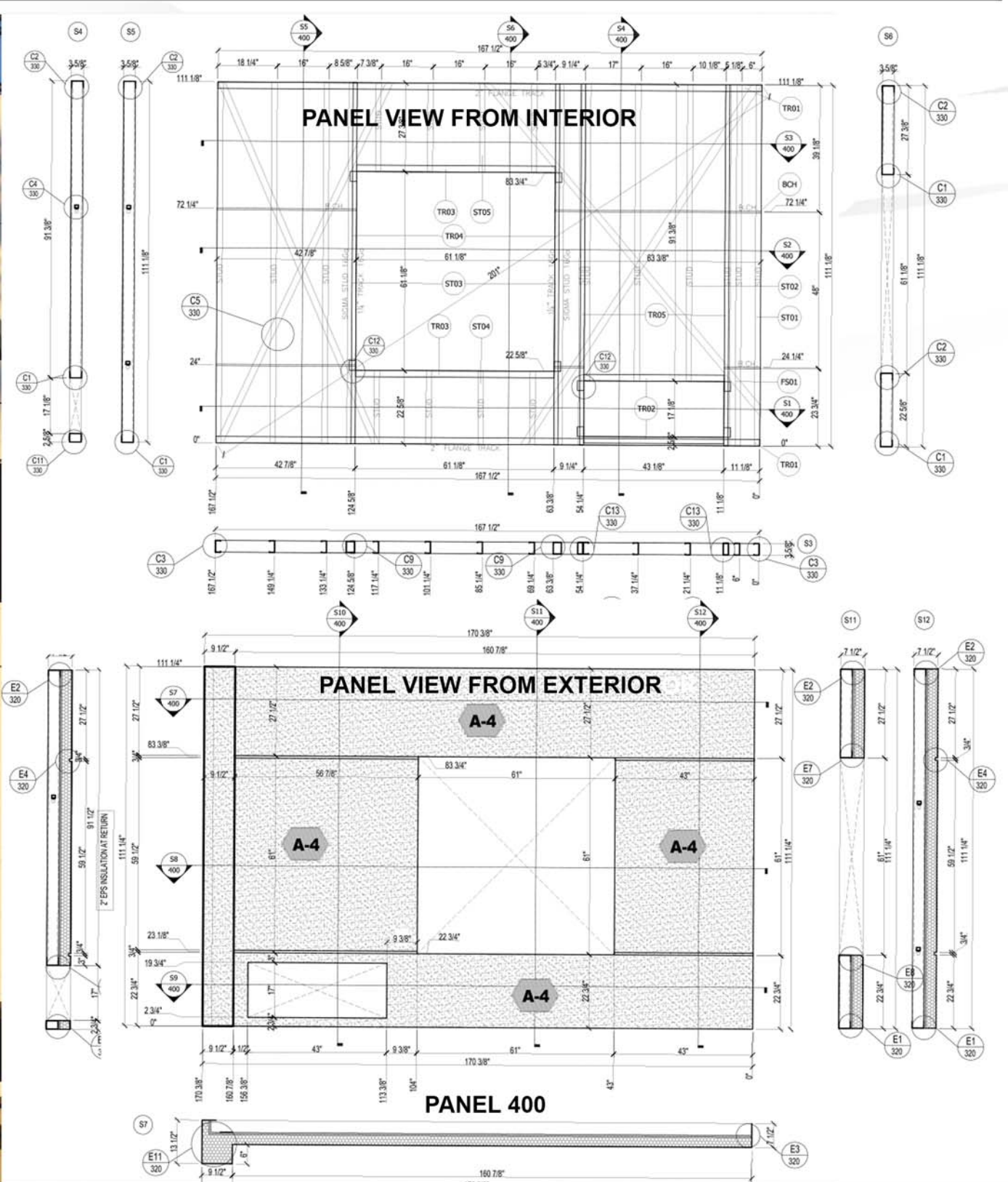
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PANEL INSTALLATION



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PANEL INSTALLATION-SOUTH ELEVATION



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PANEL INSTALLATION-SOUTH ELEVATION



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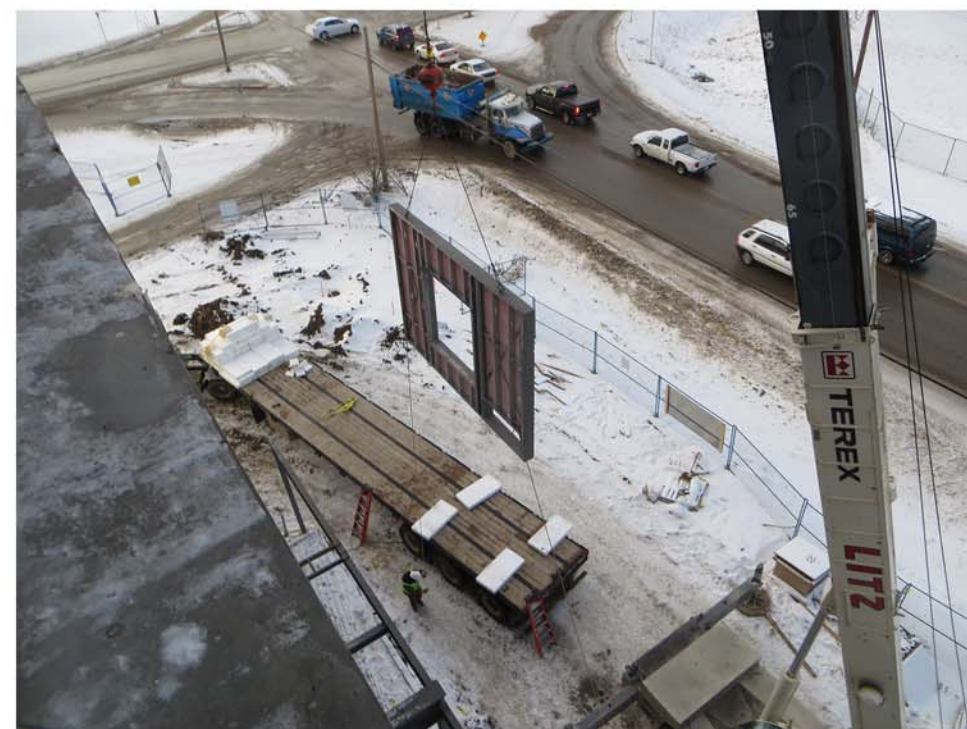
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NOVEMBER 20TH, 2013



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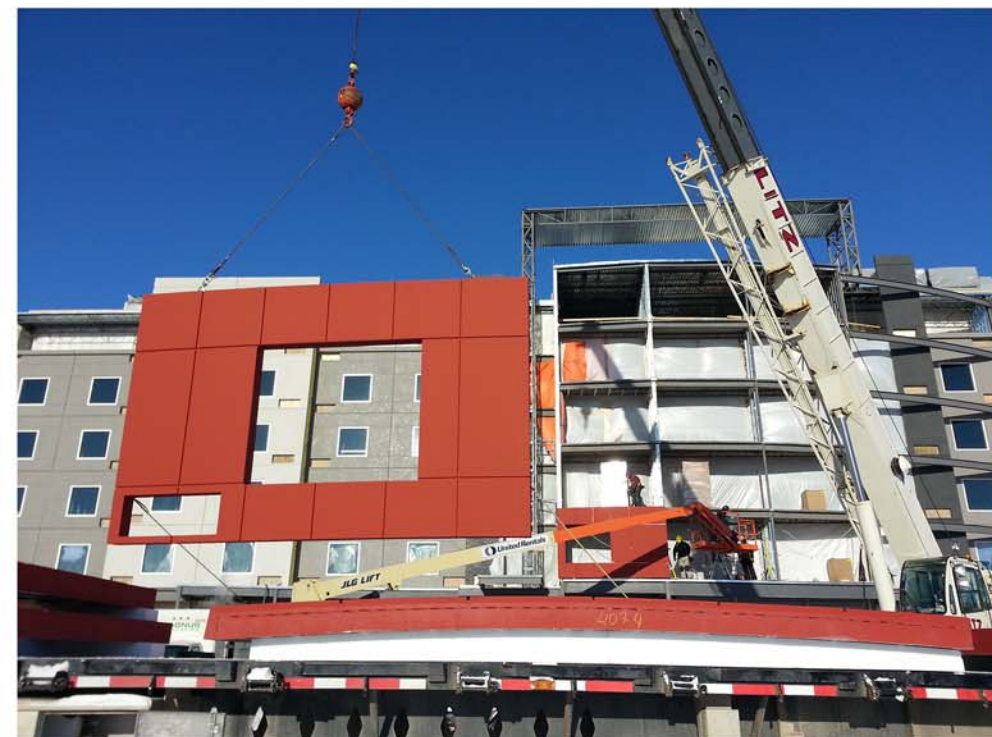
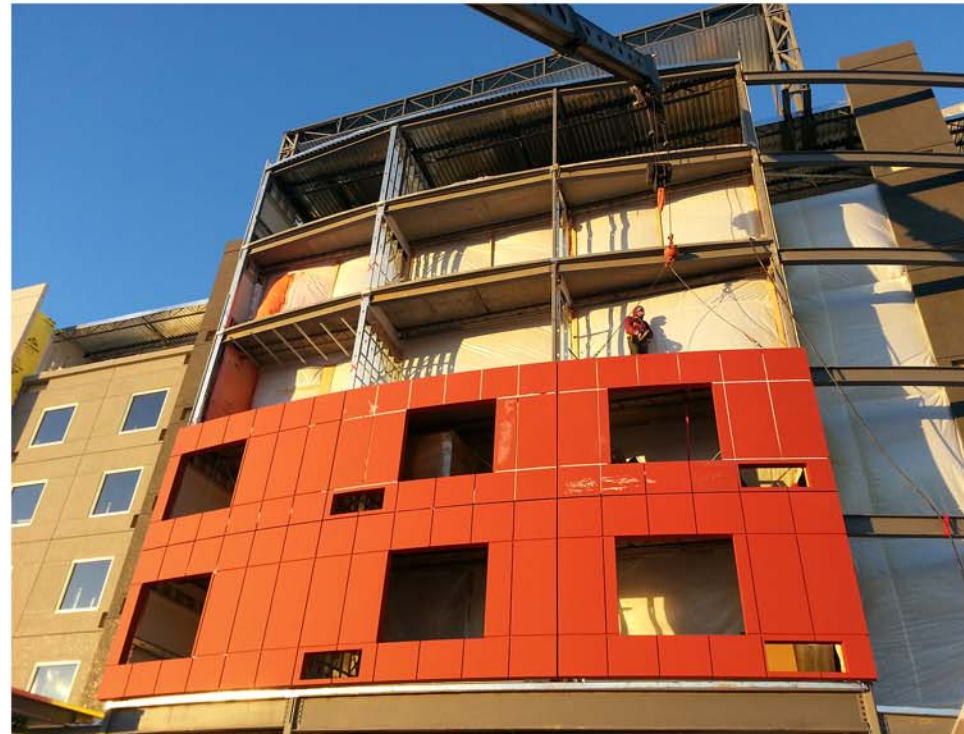
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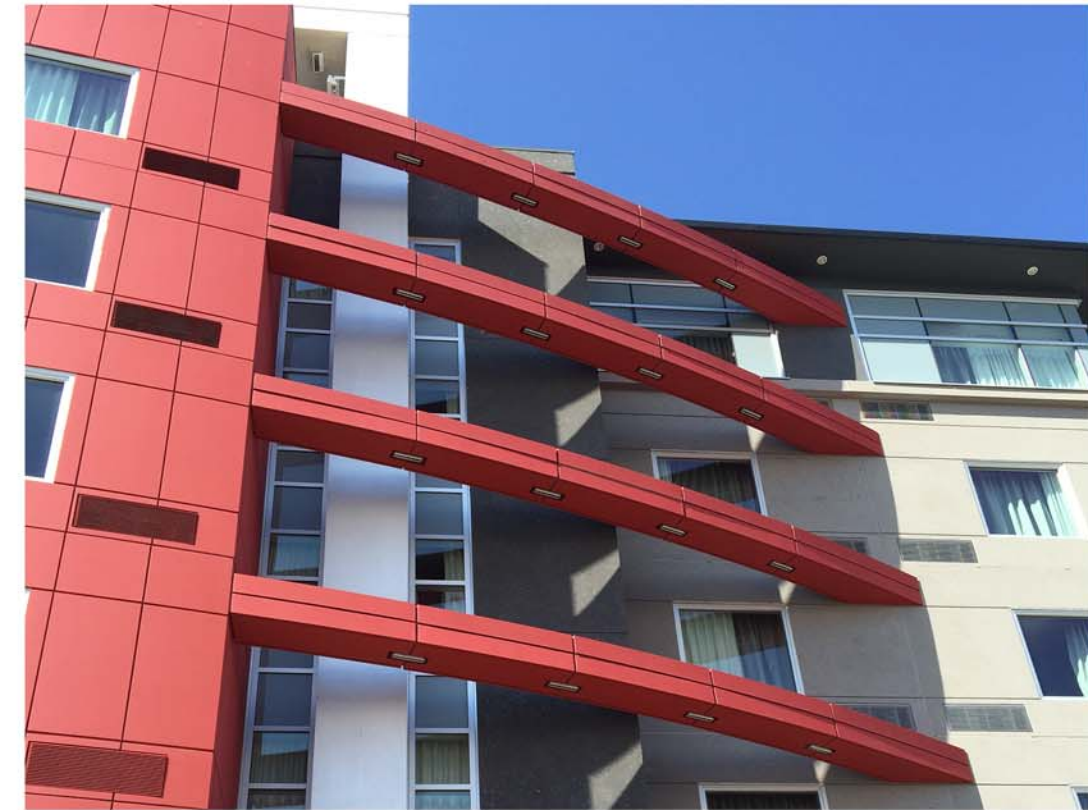


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