

PARTITION NOTES

1. ALL GYPSUM WALL BOARD TO BE 1/2" TYPE 'X'
2. USE MOISTURE RESISTANT GWB AT ALL WET AREAS
3. UNLESS OTHERWISE NOTED, DIMENSIONS ARE TO FINISHED FACE OF WALL FROM COLUMN CENTER LINES, MASONRY AND CONCRETE WALLS AND TO FINISHED FACE OF EXISTING WALLS.
4. HOLD TOP OF STUDS DOWN * FROM TOP RUNNER 1/2" FROM TOP RUNNER WHERE PARTITION EXTENDS TO STRUCTURE ABOVE.
5. ALL CAULK AND SEALANT SHALL BE CONTINUOUS.
6. ALL C.M.U. WALLS AND SOUND RATED PARTITIONS SHALL BE SEALED, SUCH AS THE UNDERSIDE OF THE STRUCTURE OR DECK AND BE ENTIRELY SEALED OFF UNLESS NOTED OTHERWISE. ALL PENETRATIONS SUCH AS PIPING, CONDUITS, DUCTS, ETC., IN SUCH SEALED OFF WALLS OR PARTITIONS SHALL IN THEMSELVES BE PACKED AND SEALED OFF ALONG THE PERIMETER OF PENETRATION.
7. ALL PENETRATIONS IN FIRE RATED WALLS SHALL BE SEALED WITH FIRE RATED CAULK IN ACCORDANCE WITH UL DETAIL W-1001 OR APPROVED EQUIVALENT.
8. ALL FIRE RATED PARTITIONS SHALL EXTEND TO THE UNDERSIDE OF THE STRUCTURE OR DECK, AND BE ENTIRELY SEALED OFF WITH SAFING MATERIAL ONLY.
9. ALL SOUND RATED (STC) PARTITIONS SHALL HAVE CLOSURE GASKETS AT TOP, BOTTOM AND SIDES WHERE A SOUND LEAK WOULD OTHERWISE EXIST. ALL PENETRATIONS THROUGH SUCH PARTITIONS SHALL IN THEMSELVES BE GASKET SEALED ALONG THE PENETRATION MEMBER.
10. STRUCTURAL STUDS (20 GA. MINIMUM) SHALL BE USED WHERE ANY NON-SELF-SUPPORTING WALL HUNG FIXTURES, EQUIPMENT, OR CABINETS SHALL OCCUR AND SHALL EXTEND FROM FLOOR TO STRUCTURE ABOVE. PROVIDE BLOCKING AS REQUIRED. BLOCKING TO BE FIRE TREATED AT RATED WALLS.
11. ALL 20 GA. METAL STUD FRAMED PARTITIONS SHALL BE BRACED ABOVE FINISHED CEILING. BRACING SHALL BE AS FOLLOWS: ATTACH A 3/8" METAL STUD HORIZONTALLY TO PARTITION 8" MAXIMUM ABOVE FINISHED CEILING. THEN PROVIDE 3/8" METAL STUD KICKERS CLIP ANGLES (14 GA) WITH TWO 1/4" ANCHORS - ALL KICKER LOCATIONS SHALL BE COORDINATED WITH ALL OTHER TRADES PERFORMING WORK ABOVE CEILING.
12. ALL 20 GA. METAL STUD FRAMED PARTITIONS SHALL BE BRACED ABOVE FINISHED CEILING. BRACING SHALL BE AS FOLLOWS: ATTACH A 3/8" METAL STUD HORIZONTALLY AND CONTINUOUSLY TO PARTITION 8" MAXIMUM ABOVE FINISHED CEILING. THEN PROVIDE 3/8" METAL STUD KICKERS CLIP ANGLES (14 GA) WITH TWO 1/4" ANCHORS - ALL KICKER LOCATIONS SHALL BE COORDINATED WITH ALL OTHER TRADES PERFORMING WORK ABOVE CEILING.
13. DO NOT FASTEN TOP RUNNER TO STUDS, CRIMP RUNNER ON BOTH SIDES OF STUD TO STABILIZE STUD.
14. ALL RATED PARTITIONS SHALL BE IDENTIFIED ABOVE HUNG CEILING.
15. SEE ROOM FINISH SCHEDULES FOR ADDITIONAL REQUIREMENTS FOR FINISH MATERIALS SUCH AS CERAMIC TILE, PANELING, ETC., WHICH ARE NOT SHOWN OR INCLUDED IN THESE PARTITION TYPES.
16. WHERE PARTITION TYPES CHANGE IN A STRAIGHT RUN, THE EXPOSED OR MOST IMPORTANT EXPOSED FINISH FACE, AND NOT NECESSARILY THE CENTERLINE OF STUDS, SHALL ALIGN.
17. WHERE ITEMS ARE RECESSED INTO RATED PARTITIONS, PROVIDE RATED POCKET IN CONCEALED CEILING AREA.

11 PARTITION NOTES

12 ENERGY CODE

N.T.S.

**COMcheck Software Version 4.0.8.1
Envelope Compliance Certificate**

Project Information

Energy Code: 2015 IECC
 Project Title: Wilson Air Center North Terminal
 Location: Charlotte, North Carolina
 Climate Zone: 3a
 Project Type: New Construction
 Vertical Heating / Hot Water: 2/25

Construction Site
 5327 Morris Field Drive
 Charlotte, NC 28208

Design/Consultant
 The Wilson Group
 PO Box 5510
 Charlotte, NC 28239

Additional Efficiency Packages(s)
 Reduced interior lighting power: Revisions/updates in lighting schedule calculations.

Building Area

Building Area	Floor Area
1-Airport Terminal (Transportation), Nonresidential	52,385

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Floor 1-Slab-On-Grade Unheated, (Bldg. Use 1 - Airport Terminal) (a)	428	---	---	0.190	0.190
Floor 1-Insulation/Exterior Above Deck, High R-value Roof Package, 3-Year aged Solar Reflectance > 0.35, Thermal Emittance > 0.95, (Bldg. Use 1 - Airport Terminal)	15,011	---	30.0	0.082	0.089
Floor 2-Insulation/Exterior Above Deck, High R-value Roof Package, 3-Year aged Solar Reflectance > 0.35, Thermal Emittance > 0.95, (Bldg. Use 1 - Airport Terminal)	428	---	30.0	0.082	0.089
WDR2H1-1 Steel Framed, 2" x 4" (Bldg. Use 1 - Airport Terminal)	9711	0.0	14.0	0.078	0.084
WDR2H1-2 Metal Frame with Thermal Break Fixed Part Specs, Product ID NA, SHGC 0.26, (Bldg. Use 1 - Airport Terminal) (b)	1945	---	---	0.250	0.480
Door 1-Glass (> 30% glazing) Metal Frame, Entrance Door, Part Specs, Product ID NA, SHGC 0.32, (Bldg. Use 1 - Airport Terminal) (b)	775	---	---	0.590	0.770
WDR2H1-3 Steel Framed, 2" x 4" (Bldg. Use 1 - Airport Terminal)	2203	0.0	14.0	0.085	0.084
WDR2H1-4 Metal Frame with Thermal Break Fixed Part Specs, Product ID NA, SHGC 0.26, (Bldg. Use 1 - Airport Terminal) (b)	108	---	---	0.250	0.480
Door 2-Glass (> 30% glazing) Metal Frame, Entrance Door, Part Specs, Product ID NA, SHGC 0.32, (Bldg. Use 1 - Airport Terminal) (b)	76	---	---	0.250	0.770
WDR2H1-5 Steel Framed, 2" x 4" (Bldg. Use 1 - Airport Terminal)	9465	0.0	14.0	0.078	0.084
WDR2H1-6 Metal Frame with Thermal Break Fixed Part Specs, Product ID NA, SHGC 0.26, (Bldg. Use 1 - Airport Terminal) (b)	1125	---	---	0.250	0.480
WDR2H1-7 Metal Frame with Thermal Break Fixed Part Specs, Product ID NA, SHGC 0.26, (Bldg. Use 1 - Airport Terminal) (b)	---	---	---	---	0.490

Project Title: Wilson Air Center North Terminal
Data Filename: P:\19197_CLT\Wilson Air North Terminal\Architectural\envelope\9197_COMcheck.ccl

Envelope Compliance Statement

Compliance Statement: This proposed envelope design represented in this document complies with all applicable codes, specifications, and other calculations submitted with this permit application. The proposed envelope design has been designed to meet the 2015 IECC requirements in accordance with the 2015 IECC and to comply with applicable industry requirements based on the Inspection Checklist.

Envelope Compliance Statement

Compliance Statement: This proposed envelope design represented in this document complies with all applicable codes, specifications, and other calculations submitted with this permit application. The proposed envelope design has been designed to meet the 2015 IECC requirements in accordance with the 2015 IECC and to comply with applicable industry requirements based on the Inspection Checklist.

Envelope Compliance Statement

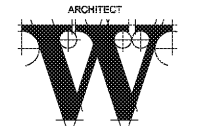
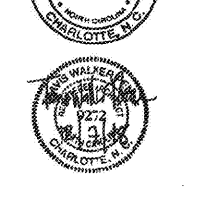
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WILSON AIR CENTER

NORTH TERMINAL

HCOT
 CHARLOTTE-DOUGLAS INTERNATIONAL AIRPORT
 5327 MORRIS FIELD DRIVE
 CHARLOTTE, NC 28208

PROJECT NO. 19197
 SHEET NO. G-003



THE WILSON GROUP ARCHITECTS

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 704-331-8747 www.wilsongroup.com

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TALBERT, BRIGHT & ELLINGTON
 3525 WHITEHALL PARK DRIVE, SUITE 210
 CHARLOTTE, NC 28273
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STRUCTURAL ENGINEER
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 101 N. TRYON ST., SUITE 1400
 CHARLOTTE, NC 28202
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MECHANICAL, ELECTRICAL, PLUMBING & FIRE PROTECTION ENGINEER
SABER ENGINEERING
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URBAN DESIGN PARTNERS
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COMMUNICATIONS INFRASTRUCTURE
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 BLACKSBURG, SC 29702
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REVISIONS

NO.	DATE	DESCRIPTION
1	12/07/18	ISSUED FOR PERMIT

DATE: DECEMBER 7, 2018
 PROJECT NUMBER: 9197-000

SHEET TITLE: ENERGY CODE & UL ASSEMBLIES

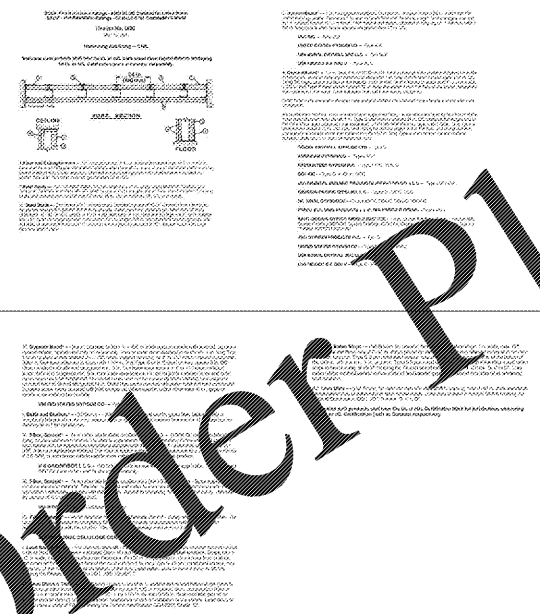
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SHEET REF: 1

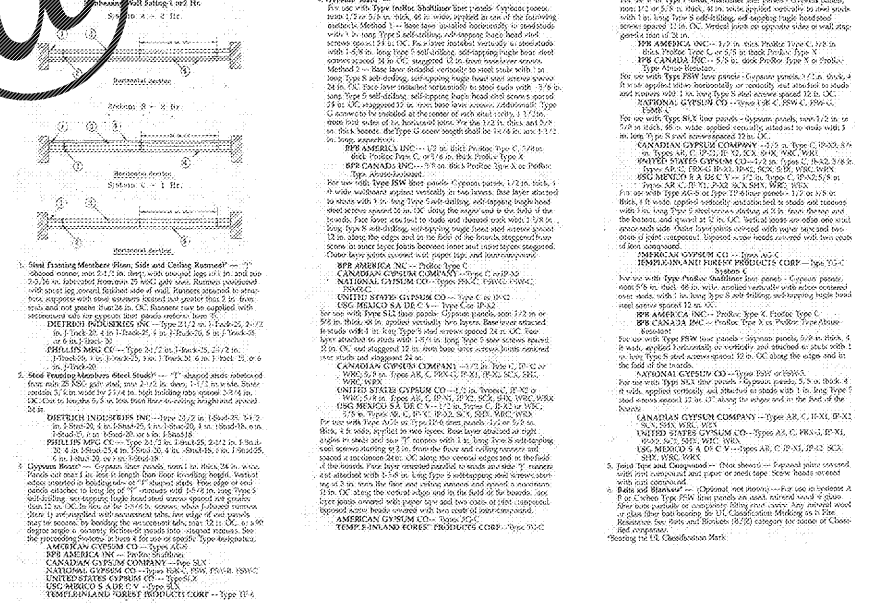
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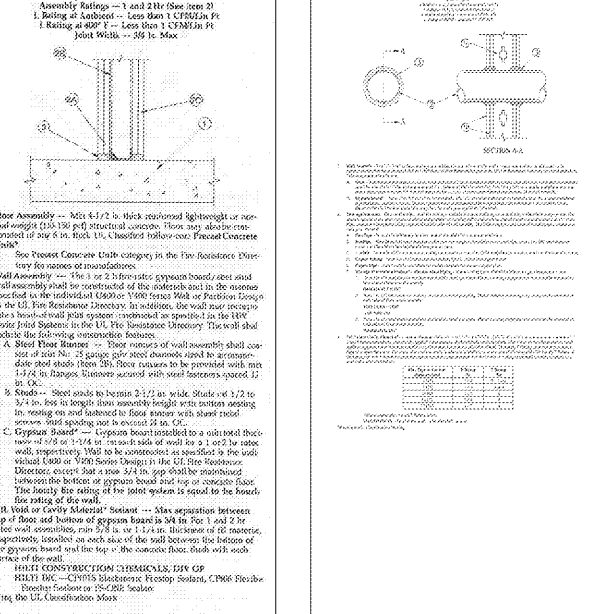
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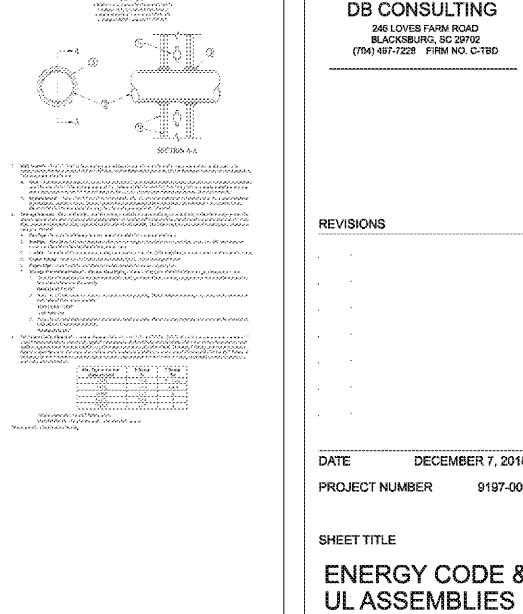
BW-S-0001



BW-S-0001



W-L-1001



Order Plans