

CONSTRUCTION SUBSYSTEMS

FLOOR SYSTEMS

SYMBOL DESCRIPTION FIRE AND SOUND RATING REFERENCE

① TYPICAL SLAB ON GRADE CONSTRUCTION

CONCRETE SLAB, RE: STRUCTURAL

METAL REINFORCEMENT, RE: STRUCTURAL

GRANULAR BASE

SUBGRADE

ROOF SYSTEMS

② TYPICAL ROOF CONSTRUCTION

STANDING SEAM METAL ROOF BY PEMB MANUF

R-5 THERMAL BLOCKING

FACED, FIBERGLASS INSULATION, TOTAL R-30 MN

PRE-ENGINEERED METAL PURLIN BY PEMB MANUF

PRE-ENGINEERED STEEL BEAM BY PEMB MANUF

EXTERIOR WALL SYSTEMS

③ RIBBED METAL PANEL / STEEL STUD WALL CONSTRUCTION

RIBBED, NON-INSULATED METAL PANEL

PRE-ENGINEERED METAL GIRT BY PEMB MANUF

FACED, FIBERGLASS INSULATION, R-15.8 MN

PRE-ENGINEERED STEEL BEAM BY PEMB MANUF (BEYOND)

3/8" MTL STUD W/ 5/8" GWB

PARTITION LEGEND

BRACE TO STRUCTURE

CEILING AS SCHEDULED

3/8" MTL STUDS 16" O.C.

1 LAYER 5/8" GYPSUM WALLBOARD EACH SIDE

BASE AS SCHEDULED

FLOOR SYSTEM

A3N0	FIRE RATING N/A	UL TEST NO. N/A	STC RATING - N/A N/A
A6N0	FIRE RATING N/A	UL TEST NO. N/A	STC RATING - N/A N/A

STRUCTURE: ADDITIONAL PURLINS TO BE ADDED AS REQUIRED FOR WALLS SPANNING PARRALLEL TO ROOF STRUCTURE

DEFLECTION TRACK, 3" DEEP LEGS

5/8" GYP BD, DO NOT ATTACH TO STUD, ONLY ATTACH TO DEFLECTION TRACK

3/8" MTL STUDS 16" O.C.

1 LAYER 5/8" GYPSUM WALLBOARD EACH SIDE

BASE AS SCHEDULED

FLOOR SYSTEM

A3NX	FIRE RATING N/A	UL TEST NO. N/A	STC RATING - N/A N/A
A6NX	SAME AS PARTITION A3NX EXCEPT PROVIDE 6" MTL STUD IN PLACE OF 3/8" MTL STUD		

BRACE TO STRUCTURE

CEILING AS SCHEDULED

3/8" MTL STUDS 16" O.C.

5/8" GYPSUM WALLBOARD

BASE AS SCHEDULED

FLOOR SYSTEM

A3N0.1	FIRE RATING N/A	UL TEST NO. N/A	STC RATING - N/A N/A
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STRUCTURE: ADDITIONAL PURLINS TO BE ADDED AS REQUIRED FOR WALLS SPANNING PARRALLEL TO ROOF STRUCTURE

5/8" GYP BD, DO NOT ATTACH TO STUD, ATTACH ONLY TO DEFLECTION TRACK

DEFLECTION TRACK, 3" DEEP LEGS

3/8" MTL STUDS 16" O.C.

5/8" GYPSUM WALLBOARD

BASE AS SCHEDULED

FLOOR SYSTEM

A3NX.1	FIRE RATING N/A	UL TEST NO. N/A	STC RATING - N/A N/A
A6NX.1	SAME AS PARTITION A3NX.1 EXCEPT PROVIDE 6" MTL STUD IN PLACE OF 3/8" MTL STUD		

STRUCTURE: ADDITIONAL PURLINS TO BE ADDED AS REQUIRED FOR WALLS SPANNING PARRALLEL TO ROOF STRUCTURE

DEFLECTION TRACK, 3" DEEP LEGS

3/8" MTL STUDS 16" O.C.

1 LAYER 5/8" GYPSUM WALLBOARD EACH SIDE BEARING THE U.L. CLASSIFICATION MARK

BASE AS SCHEDULED

FLOOR SYSTEM

A3N1	FIRE RATING 1 HOUR	UL TEST NO. U465	STC RATING - N/A N/A
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STRUCTURE: ADDITIONAL PURLINS TO BE ADDED AS REQUIRED FOR WALLS SPANNING PARRALLEL TO ROOF STRUCTURE

1 LAYER 5/8" GYP BD, DO NOT ATTACH TO STUD, ONLY ATTACH TO DEFLECTION TRACK

DEFLECTION TRACK, 3" DEEP LEGS

3/8" MTL STUDS 16" O.C.

1 LAYER 5/8" GYPSUM WALLBOARD

FIBERGLASS SOUND BATT

BASE AS SCHEDULED

FLOOR SYSTEM

A3SX	FIRE RATING N/A	UL TEST NO. N/A	STC RATING - N/A N/A
A6SX	SAME AS PARTITION TYPE, A3S1 EXCEPT PROVIDE 6" MTL STUD IN PLACE OF 3/8" MTL STUD		

GENERAL NOTES

- THE CONSTRUCTION SUBSYSTEMS AND PARTITION TYPES SHOWN, INDICATE THE GENERAL CONSTRUCTION FEATURES OF THE MAJORITY OF THE CONSTRUCTION SYSTEMS TO BE PROVIDED. THEY ARE NOT INTENDED TO REPRESENT A COMPLETE LISTING OF SYSTEMS REQUIRED AND DO NOT NECESSARILY INDICATE ALL OF THE CONSTRUCTION REQUIREMENTS TO BE PROVIDED BY THE CONTRACT DOCUMENTS.
- SEE REFLECTED CEILING PLANS FOR ADDITIONAL REQUIREMENTS FOR PARTITION TYPES.
- REFERENCE FOR FIRE RESISTANCE & SOUND RATINGS:
CCMA: CAROLINAS CONCRETE MASONRY ASSOCIATION, CONCRETE MASONRY HANDBOOK, SOUND CONTROL.
GA: GYPSUM ASSOCIATION, FIRE RESISTANCE DESIGN MANUAL, ELEVENTH EDITION.
NCMA: NATIONAL CONCRETE MASONRY ASSOCIATION, TEK NOTES.
SA: SHINER AND ASSOCIATES.
SBCC: STANDARD BUILDING CODE CONGRESS, LATEST EDITION.
UL: UNDERWRITERS LABORATORY, INC., FIRE RESISTANCE DIRECTORY.
- WHERE FURRED/SINGLE FACED SYSTEMS OCCUR ON CONCRETE MASONRY UNIT WALL OR PARTITION SURFACE, PROVIDE GYPSUM BOARD TO 4" ABOVE CEILING, OR IF NO CEILING OCCURS, PROVIDE GYPSUM BOARD TO UNDERSIDE OF DECK.

GENERAL NOTES

- COLOR, GRAIN AND FINISH PATTERN MAY VARY. SEE MISCELLANEOUS AND EXTERIOR FINISH SCHEDULES, SPECIFICATIONS AND DRAWINGS FOR CLARIFICATION. FINISHES ARE TO BE APPLIED TO THE SURFACE OF THE PARTITION AND ALL COVERINGS (ETC) THAT MAY AFFECT THE PARTITION SURFACE AND STRUCTURAL REQUIREMENTS.
- IF CERAMIC TILE AND CEMENTITIOUS BACKER UNIT ARE NOT SCHEDULED TO BE PROVIDED, PROVIDE GYPSUM BOARD AT THOSE PORTIONS OF THE PARTITION SCHEDULED TO RECEIVE CERAMIC TILE. CEMENTITIOUS BACKER UNIT TO BE 1/2" THICKNESS AS GYPSUM BOARD.
- PROVIDE ACOUSTICAL SEALANT AT PERIMETER OF ALL SOUND RATED PARTITIONS AND AT ALL PARTITION PENETRATIONS. IF PARTITION IS FIRE RATED, PROVIDE UL LABELED FIRE STOPPING IN PLACE OF ACOUSTICAL SEALANT. AT PARTITIONS THAT ARE SOUND AND FIRE RATED, PROVIDE ACOUSTICAL SEALANT AT PARTITION PENETRATIONS THAT DO NOT REQUIRE FIRE STOPPING (EXAMPLE: DUCT PENETRATIONS WITH FIRE DAMPERS).

PARTITION DESIGNATION KEY

A3N01

PARTITION CATEGORY: A, C, F, G

PARTITION SIZE: 0, 1, 2, 3, 4

PARTITION INSULATION: S, N

PARTITION RATING: 0, 1, 2, 3, 4

A3N01

PARTITION CATEGORY: A, C, F, G

PARTITION SIZE: 5, 6, 7, 8

PARTITION INSULATION: S, N

PARTITION RATING: 4, 6, 8, 12

4" NOM. CMU, **6" NOM. CMU**, **8" NOM. CMU**, **12" NOM. CMU**

PARTITION INSULATION: S - SOUND ATTENUATION, N - NON-INSULATED

PARTITION RATING: 0 - NON-RATED TO 4" ABOVE CEILING, 1 - 1 HOUR FIRE PARTITION, 2 - 2 HOUR FIRE PARTITION, 3 - 3 HOUR FIRE PARTITION, 4 - 4 HOUR FIRE PARTITION, 5 - SMOKE PARTITION, T - TILE SUBSTRATE PARTITION, X - NON-RATED TO DECK, SEALED TOP & BOTTOM, Y - STRUCTURE TO DECK, FIN MAT'L TO 4" ABOVE CLG

WILKES COMMUNITY COLLEGE

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SC0# 220-0101A
NCCS# 220-0101A

CULINARY LAB

LS3P

227 WEST TRADE STREET SUITE 700
CHARLOTTE, NORTH CAROLINA 28202
TEL. 704.333.6686 FAX 704.333.2926
WWW.LS3P.COM

LS3P ASSOCIATES LTD.
REGISTERED PROFESSIONAL ARCHITECTS
CERT. NO. 59417
NORTH CAROLINA
WILKES COUNTY, NORTH CAROLINA

WILKES SCOTT & BATES
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REVISIONS:

No.	Description	Date
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PROJECT: 9202-169770
DATE: 1/21/18
DRAWN BY: ZS
CHECKED BY: WSB

CONSTRUCTION SUBSYSTEMS & PARTITION LEGEND

A-002

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