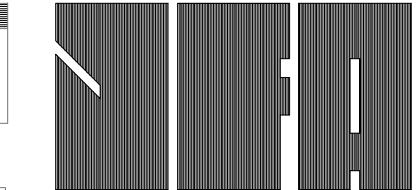


WALL TYPE KEY

NOTE: WALL TYPES WITH THE SUFFIX 'A' ARE 1 HOUR VARIANTS OF THE WALLS DETAILED BELOW.
WALL TYPES WITH THE SUFFIX 'B' ARE 2 HOUR VARIANTS OF THE WALLS DETAILED BELOW.



BUILDING CODE SUMMARY*				
GENERAL INFORMATION				
Name of Project: SCIENCE BUILDING Address: UNC WILMINGTON, 610 S. COLLEGE RD. WILMINGTON, NC. 28403 Proposed Use: SCIENCE-ACADEMIC LECTURE, LABS AND OFFICES Owner/Contact Person: UNCW/ CARL DEMPSEY Phone #: (910) 395-3141				
DESIGNER OF RECORD				
DISCIPLINE:	DESIGNER:	LICENSE#:	TELEPHONE#:	
Architectural:	WILLIAM G. FARIS	1993	(910) 256-6633	
Electrical:	RAY E. MORGAN	3494	(919) 833-1927	
Plumbing:	RAY E. MORGAN	3494	(919) 833-1927	
Mechanical:	RAY E. MORGAN	3494	(919) 833-1927	
Structural:	JOHN R. ANDREW	4631	(910) 434-9653	
Sprinkler:	RAY E. MORGAN	3494	(919) 833-1927	
Fire Alarm:	RAY E. MORGAN	3494	(919) 833-1927	
Lab. Equip.:	JOSHUA S. GUMBAN	8670	(619) 457-2400	
BUILDING DATA				
Occupancy:	<input type="checkbox"/> Assembly <input type="checkbox"/> Factory-Industrial <input checked="" type="checkbox"/> Business <input type="checkbox"/> Residential <input type="checkbox"/> Educational <input type="checkbox"/> Storage <input type="checkbox"/> Mercantile <input type="checkbox"/> Institutional (unrestrained) <input type="checkbox"/> Hazardous <input type="checkbox"/> Institutional (restrained) Use Condition: _____			
Mixed Occupancy?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Separation: _____ Hr.			
Construction Type:	<input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV (P) <input type="checkbox"/> V (UP) <input type="checkbox"/> VI (UP) <input type="checkbox"/> Mixed Construction: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Type: _____			
Sprinkled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (13/13R/13D): _____			
Fire District?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Building Height:	36 Feet (Plus Roof) Two Story (Plus Attic Mech. Space)			
Mezzanine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
High Rise?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Gross Building Area:	Area Increase? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Floor:	Code Reference: Table 400 Calculations: Unlimited Area			
Basement:	1st Floor: 51,447			
2nd Floor:	2nd Floor: 51,447			
3rd Floor:				
Penthouse:				
Total Gross Area:	102,894 SqFt			
MISCELLANEOUS				
Parking Spaces: Consolidated Campus Parking				
Special Approval by the Department of Insurance or Local Jurisdiction, Describe Below:				
_____ _____ _____ _____ _____				
* SEE SHEET FP-1 AND FP-2 FOR FIRE WALL DIAGRAMS AND RATED PENETRATIONS.				
FIRE RESISTANCE RATINGS				
Party/Firewalls:	Required Hourly	Detail# & Sheet#	% Wall Opening	UL/FM# for Rated Assemblies
Exterior Bearing Walls:	North: N/A	East: N/A	West: N/A	South: N/A
Exterior Non-Bearing Walls:	North: NC/NL	East: NC/NL	West: NC/NL	South: NC/NL
Interior Walls:	UL	UL/FM# Penetrations	For Rated Test #	Assemblies
Bearing:	N/A	NC	NC	NC
Non-Bearing Corridors:	N/A	NC	NC	NC
Tenant Separation:	N/A	NC	NC	NC
Ceiling-Floors Assembly:	2Hrs	NC	NC	(Par. 3102.1.1 NCSBC Equivalent Slab Thck. off 5 1/2")
Beams:	2nd Floor: 2Hrs	NC	NC	NC
Roof:	1 1/2Hrs	NC	NC	NC
Columns:	1st Floor: 3Hrs	NC	NC	X510
2nd Floor: 2Hrs	NC	NC	NC	UL913 & X517
Ceiling-Roof Assembly:	NC/1HR	NC	NC	NC
Verticle Shafts:	1Hr	NC	NC	NC
Chases-P.E.M.:	N/A	NC	NC	NC
Mixed Occupancy Separ.:	N/A	NC	NC	NC
Tenant Separation:	N/A	NC	NC	NC
LIFE SAFETY SYSTEM				
Emergency Lighting and Exit Signs:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Fire Alarm and Smoke Detection Systems:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Panic Hardware:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
EXIT REQUIREMENTS				
Dead End Limit-Maximum Condition: 20 feet				
Travel Distance To Exit-Maximum Condition: 250 feet (Sprinkled Building)				
Number of Exits : Business: 48,131 Divided By Net/Sq.Ft. per Occupancy				
Total Square Footage: 102,894 = 481 + (200 Assembly, Fixed Seating)=681				
100 (Gross)=481 + (200 Assembly, Fixed Seating)=681				
Number of Doors Provided: 3				
Number of Doors Required: 3				
DESIGN LOADS				
Roof Live Load:	30 psf			
Wind:	100 mph Exception "C"			
Lateral Design:	Rigid Welded Steel, Moment Frames & Masonry Shear Walls			
Floor:	100 psf			
Mech.:	300 psf			
Catwalk:	25 psf			
Attic:	10 psf			
Mech./Attic:	125 psf			
Snow:	N/A			
Seismic:	Zone 1 (Av = .075)			
Soil Bearing:	Field Test (Provided Copy of Test Report)			
Capacities:	2500 psf. Presumptive Bearing Capacity			
	N/A psf.			

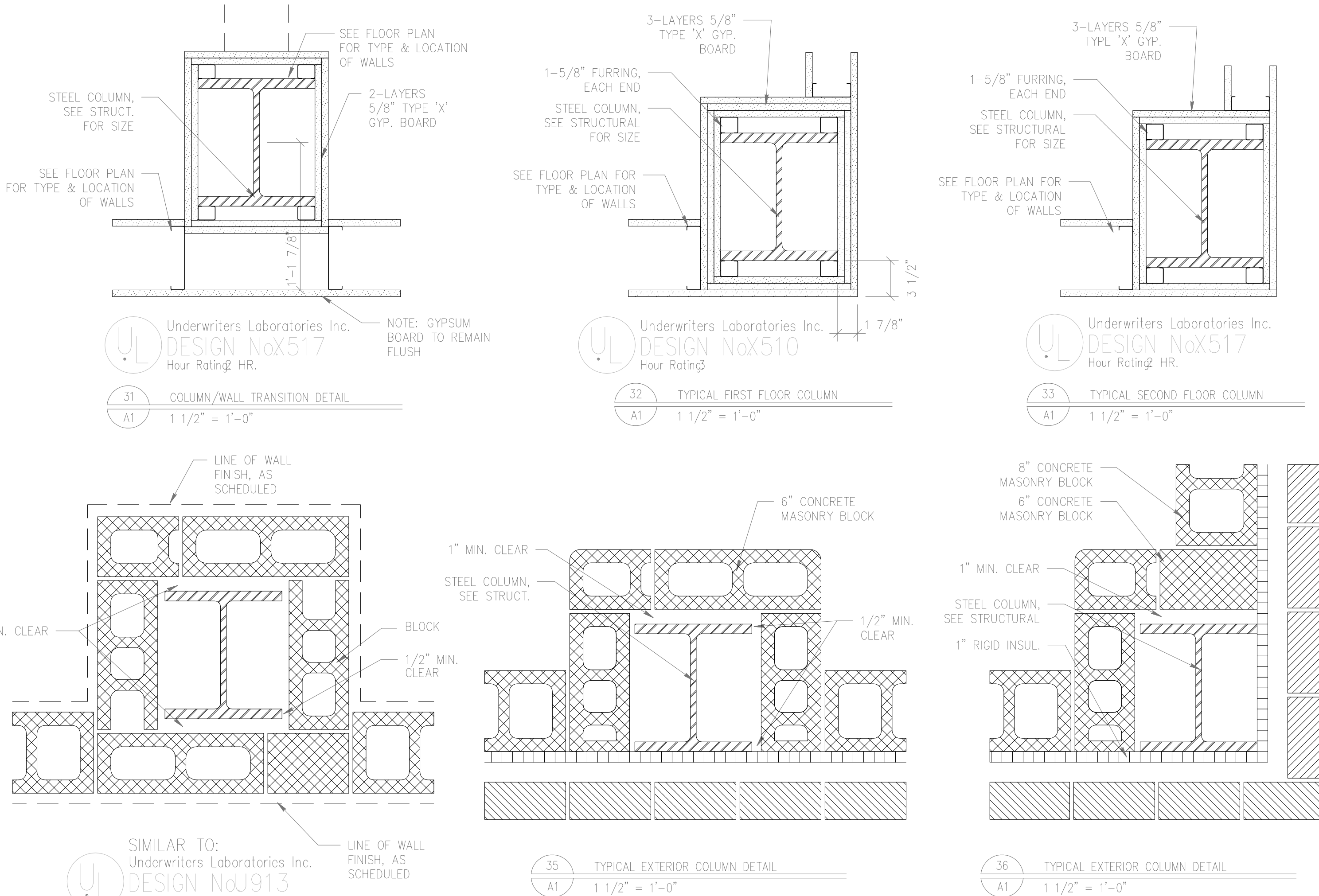


JEFFRIES AND FARIS
ASSOCIATES
ARCHITECTS & PLANNERS
SEA TOWERS, SUITE 201
2002 EASTWOOD ROAD
WILMINGTON, N.C. 28403
TEL: 910.256.6633
FAX: 910.256.9088

SCIENCE BUILDING
UNIVERSITY OF NORTH CAROLINA WILMINGTON
CODE 49388 ITEM 301 ID#6089280301A

COLUMN FIRE PROTECTION DETAILS

NOTE: ALL CONCRETE MASONRY COLUMN SURROUNDS TO BE 75% SOLID UNITS OF PUMICE OR EXPANDED SLAG AS PER NORTH CAROLINA STATE BUILDING CODE FOR FIRE RATING.



DRAWING REVISIONS:		
NO.	DATE:	REMARKS:
1	12/23/95	AS BUILT - MAC

DATE:	05/16/94
PROJECT#:	9305
DESIGNED BY:	W.G.F.
DRAWN BY:	C.J.S.
CHECKED BY:	T.W.L.
CHECKED BY:	

SHEET NO.:

A1