



ARCH 2330 BUILDING TECHNOLOGY III

Assignment Number/Name: Submission of Autocad Set

Computer Program(s): AutoCAD, Revit, Web Browser and Blackboard

Student Learning Objectives:

Upon successful completion of this assignment, the student will:

1. Understand how to read and interpret "Red-Marks"
2. Complete updates to drawing set.

Assessment:

To evaluate the student's achievement of the learning objectives, the professor will do the following:

1. Assessment will be done using the same rubrics as the individual submissions.
2. Assessment will include evaluation for completeness and meeting of deadlines

Project Description:

Resubmission of previously submitted drawings as a single submission in order as follows:

Req'd or Opt	Order	Drawing Number	Drawing Name	Program
Optional	1	C-101	Coversheet	Revit
Required	2	C-102	Drawings List	Autocad/Revit
Required	3	Z-101	Zoning Diagrams & Code	Autocad
Required	4	Z-102	Zoning Diagrams & Code	Autocad
Required	5	ADA-101	ADA Diagrams & Code	Autocad
Required	6	ADA-102	ADA Diagrams & Code	Autocad
Required	7	SK-101	Stair Studies	Autocad
Required	8	A-400.1	Partition Types	Autocad
Optional	9	A-400.1	Partition Types	Autocad

Process:

1. Review the comments and red marks of your previous submissions.
2. Review the Rubrics for each drawings type.
3. Make corrections as needed to your drawings.
4. Plot drawings and combine in order into a single PDF.
5. Make certain your drawing and pdf are both appropriately named.
6. Upload both the PDF and your Autocad Files to Blackboard for grading.
(Include all external references)

References:

1. Rubrics



STUDENT NAME :

APPLY LATE DEDUCTION Yes No

GRADE:

A (93-100)	A-(90-92.9)	B+ (87-89.9)	B (83-86.9)	B-(80-82.9)	C+(77-79.9)	C(70-76.9)	D (60-69.9)	F (59.9 & BELOW)	
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GRADING RUBRIC

ASSIGNMENT: DRAWINGS LIST, ABBREVIATIONS & SYMBOLS

1. Section 1: Draftsmanship

Organization & Layout	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Titleblock	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Sheet Names & Numbers	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Det.Bubble Titles & Scales	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Appropriate White Space	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor

2. Section 2: File Management

Single PDF	<input type="checkbox"/> Y <input type="checkbox"/> N	DWG File Included	<input type="checkbox"/> Y <input type="checkbox"/> N	File Named Properly	<input type="checkbox"/> All <input type="checkbox"/> Some <input type="checkbox"/> None
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3. Section 3: Required Elements - Content

Drawings List	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Abbreviations	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Graphic Symbols / Arrows	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Materials Legend	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Electrical / Plumbing Symbols	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None

4. Section 4: Required Elements - Formatting

Drawings List	<input type="checkbox"/> Single Column or Good Layout	<input type="checkbox"/> Proper Text Height	<input type="checkbox"/> Proper Graphic Size	<input type="checkbox"/> Requires Minor reformatting	<input type="checkbox"/> Requires Major reformatting
Abbreviations	<input type="checkbox"/> Single Column or Good Layout	<input type="checkbox"/> Proper Text Height	<input type="checkbox"/> Proper Graphic Size	<input type="checkbox"/> Requires Minor reformatting	<input type="checkbox"/> Requires Major reformatting
Graphic Symbols / Arrows	<input type="checkbox"/> Single Column or Good Layout	<input type="checkbox"/> Proper Text Height	<input type="checkbox"/> Proper Graphic Size	<input type="checkbox"/> Requires Minor reformatting	<input type="checkbox"/> Requires Major reformatting
Materials Legend	<input type="checkbox"/> Single Column or Good Layout	<input type="checkbox"/> Proper Text Height	<input type="checkbox"/> Proper Graphic Size	<input type="checkbox"/> Requires Minor reformatting	<input type="checkbox"/> Requires Major reformatting
Electrical / Plumbing Symbols	<input type="checkbox"/> Single Column or Good Layout	<input type="checkbox"/> Proper Text Height	<input type="checkbox"/> Proper Graphic Size	<input type="checkbox"/> Requires Minor reformatting	<input type="checkbox"/> Requires Major reformatting

5. Section 5: Comments / Notes



STUDENT NAME :

APPLY LATE DEDUCTION Yes No

GRADE:

A (93-100)	A-(90-92.9)	B+ (87-89.9)	B (83-86.9)	B-(80-82.9)	C+(77-79.9)	C(70-76.9)	D (60-69.9)	F (59.9 & BELOW)	
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GRADING RUBRIC

ASSIGNMENT: ZONING DIAGRAMS & CODE EXCERPTS

1. Section 1: Draftsmanship

Organization & Layout	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Titleblock	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Sheet Names & Numbers	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Detail Bubble Titles & Scales	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Appropriate White Space	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor

2. Section 2: File Management

Single PDF	<input type="checkbox"/> Y <input type="checkbox"/> N	DWG File Included	<input type="checkbox"/> Y <input type="checkbox"/> N	File Named Properly	<input type="checkbox"/> All <input type="checkbox"/> Some <input type="checkbox"/> None
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3. Section 2: Required Elements

Zoning Map	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Environs Map	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Siteplan					
North Arrow	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Street Names Wide/Narrow	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Site Dimensions	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Isometric Diagram (2 min)	<input type="checkbox"/> 4	<input type="checkbox"/> 3	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> None
Dimensions	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Section Diagram (2 min)	<input type="checkbox"/> 4	<input type="checkbox"/> 3	<input type="checkbox"/> 2	<input type="checkbox"/> 1	<input type="checkbox"/> None
Dimensions	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None

4. Section 3: Zoning Interpretation

<input type="checkbox"/> C6-4 Standard	<input type="checkbox"/> Special Downtown (no tower)	<input type="checkbox"/> Special Downtown (tower)
<input type="checkbox"/> Y <input type="checkbox"/> N (Correct Narrow/Wide)	<input type="checkbox"/> Y <input type="checkbox"/> N (Proper Setbacks)	
<input type="checkbox"/> Y <input type="checkbox"/> N (Proper Base Heights)	<input type="checkbox"/> Y <input type="checkbox"/> N (Proper Maximum Heights)	

5. Section 4: Zoning Code & Calculations (select those that are included)

<input type="checkbox"/> Article X 101-222	Special Downtown Brooklyn - Height & Setbacks			
<input type="checkbox"/> Article III 33-26	Minimum Required Rear Yards			
<input type="checkbox"/> Article III 33-261	Minimum Rear Yards beyond 100' when backing on other rear yards			
<input type="checkbox"/> FAR	<input type="checkbox"/> Site Area	<input type="checkbox"/> Total Allowable	<input type="checkbox"/> Existing Used	<input type="checkbox"/> Total Remaining

6. Section 5: Comments / Notes



STUDENT NAME :

APPLY LATE DEDUCTION Yes No

GRADE:

A (93-100)	A-(90-92.9)	B+ (87-89.9)	B (83-86.9)	B-(80-82.9)	C+(77-79.9)	C(70-76.9)	D (60-69.9)	F (59.9 & BELOW)	
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GRADING RUBRIC

ASSIGNMENT: ADA

1. Section 1: Draftsmanship

Organization & Layout	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Titleblock	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Sheet Names & Numbers	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Det.Bubble Titles & Scales	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Appropriate White Space	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor

2. Section 2: File Management

Single PDF	<input type="checkbox"/> Y	<input type="checkbox"/> N	DWG File Included	<input type="checkbox"/> Y	<input type="checkbox"/> N	File Named Properly	<input type="checkbox"/> All	<input type="checkbox"/> Some	<input type="checkbox"/> None
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3. Section 3: Overview of Sheets

ADA Diagrams	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
ADA Code Excerpts	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor

4. Section 4: Required Elements

Wheelchair Diagrams	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Door Approaches	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Threshold Transition	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Corridor Widths	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Water Fountains	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Ramps & Railings	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Stairs, Railings & Handrails	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Bathroom Sinks & Toilets	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Bathroom Grab Bars & Stalls	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Parking	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Elevators	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Graphics & Signage	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Theatre/Lecture Seating	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Materials	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None

5. Section 5: Comments / Notes



STUDENT NAME :

APPLY LATE DEDUCTION Yes No

GRADE:

A (93-100)	A-(90-92.9)	B+ (87-89.9)	B (83-86.9)	B-(80-82.9)	C+(77-79.9)	C(70-76.9)	D (60-69.9)	F (59.9 & BELOW)	
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GRADING RUBRIC

ASSIGNMENT: STAIR STUDIES

1. Section 1: Draftsmanship

Organization & Layout	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Titleblock	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Sheet Names & Numbers	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Det.Bubble Titles & Scales	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Appropriate White Space	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor

2. Section 2: File Management

Single PDF	<input type="checkbox"/> Y <input type="checkbox"/> N	DWG File Included	<input type="checkbox"/> Y <input type="checkbox"/> N	File Named Properly	<input type="checkbox"/> All <input type="checkbox"/> Some <input type="checkbox"/> None
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3. Section 3: Calculations to determine riser and run

12' fl to floor	<input type="checkbox"/> Divide Based on 7" Riser	<input type="checkbox"/> Round Up Count	<input type="checkbox"/> Calculate Riser Height	<input type="checkbox"/> Calculate Run Length
14' fl to floor	<input type="checkbox"/> Divide Based on 7" Riser	<input type="checkbox"/> Round Up Count	<input type="checkbox"/> Calc. Riser Height	<input type="checkbox"/> Calculate Run Length
16' fl to floor	<input type="checkbox"/> Divide Based on 7" Riser	<input type="checkbox"/> Round Up Count	<input type="checkbox"/> Calc. Riser Height	<input type="checkbox"/> Calculate Run Length

4. Section 4: Required Studies (floor to floor)

Straight Run	<input type="checkbox"/> 12' - Plan	<input type="checkbox"/> 12' - Section	<input type="checkbox"/> 14' - Plan	<input type="checkbox"/> 14' - Section	<input type="checkbox"/> 16' - Plan	<input type="checkbox"/> 16' - Section
L-Shaped Run	<input type="checkbox"/> 12' - Plan	<input type="checkbox"/> 12' - Section	<input type="checkbox"/> 14' - Plan	<input type="checkbox"/> 14' - Section	<input type="checkbox"/> 16' - Plan	<input type="checkbox"/> 16' - Section
U-Shaped	<input type="checkbox"/> 12' - Plan	<input type="checkbox"/> 12' - Section	<input type="checkbox"/> 14' - Plan	<input type="checkbox"/> 14' - Section	<input type="checkbox"/> 16' - Plan	<input type="checkbox"/> 16' - Section
	<input type="checkbox"/> Plan @Exit		<input type="checkbox"/> Plan @Middle		<input type="checkbox"/> Plan @Top	

5. Section 5: Required Elements

Elevation Symbols	<input type="checkbox"/> Yes <input type="checkbox"/> No	Floor to Floor	<input type="checkbox"/> Yes <input type="checkbox"/> No
Riser & Run Count	<input type="checkbox"/> Yes <input type="checkbox"/> No	UP/DN w/Arrow shown	<input type="checkbox"/> Yes <input type="checkbox"/> No
Stair Width 44"	<input type="checkbox"/> Yes <input type="checkbox"/> No	Plan turning radius	<input type="checkbox"/> Yes <input type="checkbox"/> No
Door Direction of Egress	<input type="checkbox"/> Yes <input type="checkbox"/> No	ADA Handrail	<input type="checkbox"/> Yes <input type="checkbox"/> No
Proper Headroom 6'-8"	<input type="checkbox"/> Yes <input type="checkbox"/> No	Rail Below Bottom Run	<input type="checkbox"/> Yes <input type="checkbox"/> No

6. Section 6: Comments / Notes



STUDENT NAME :

APPLY LATE DEDUCTION Yes No

GRADE:

A (93-100)	A-(90-92.9)	B+ (87-89.9)	B (83-86.9)	B-(80-82.9)	C+(77-79.9)	C(70-76.9)	D (60-69.9)	F (59.9 & BELOW)	
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GRADING RUBRIC

ASSIGNMENT: PARTITIONS

1. Section 1: Draftsmanship

Organization & Layout	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Titleblock	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Sheet Names & Numbers	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Det.Bubble Titles & Scales	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor
Appropriate White Space	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor

2. Section 2: File Management

Single PDF	<input type="checkbox"/> Y <input type="checkbox"/> N	DWG File Included	<input type="checkbox"/> Y <input type="checkbox"/> N	File Named Properly	<input type="checkbox"/> All <input type="checkbox"/> Some <input type="checkbox"/> None
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3. Section 3: Required Partitions

Shaft Walls	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> None
Chase Walls	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> None
Concrete Block	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> None
Furring	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> None
GWB	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6+
Fire Ratings Shown	<input type="checkbox"/> 1 HR	<input type="checkbox"/> 2 HR	<input type="checkbox"/> 3 HR	<input type="checkbox"/> 4 HR	<input type="checkbox"/> Unrated	
Studs for different heights	<input type="checkbox"/> 12' Fl to Fl		<input type="checkbox"/> 14' Fl to Fl		<input type="checkbox"/> 16' Fl to Fl	<input type="checkbox"/> None
Total Details	<input type="checkbox"/> Less than 6	<input type="checkbox"/> 7 Min	<input type="checkbox"/> 8-10	<input type="checkbox"/> 11-13	<input type="checkbox"/> 14+	

4. Section 4: Required Elements

Each Partition	<input type="checkbox"/> Base	<input type="checkbox"/> Top	<input type="checkbox"/> Ceiling	<input type="checkbox"/> Plan	<input type="checkbox"/> Add Labels
Quality of Leaders	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Format	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Content	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Dimensions	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None
Assembly Description	<input type="checkbox"/> Excellent	<input type="checkbox"/> Above Average	<input type="checkbox"/> Average	<input type="checkbox"/> Poor	<input type="checkbox"/> None

5. Section 5: Comments / Notes