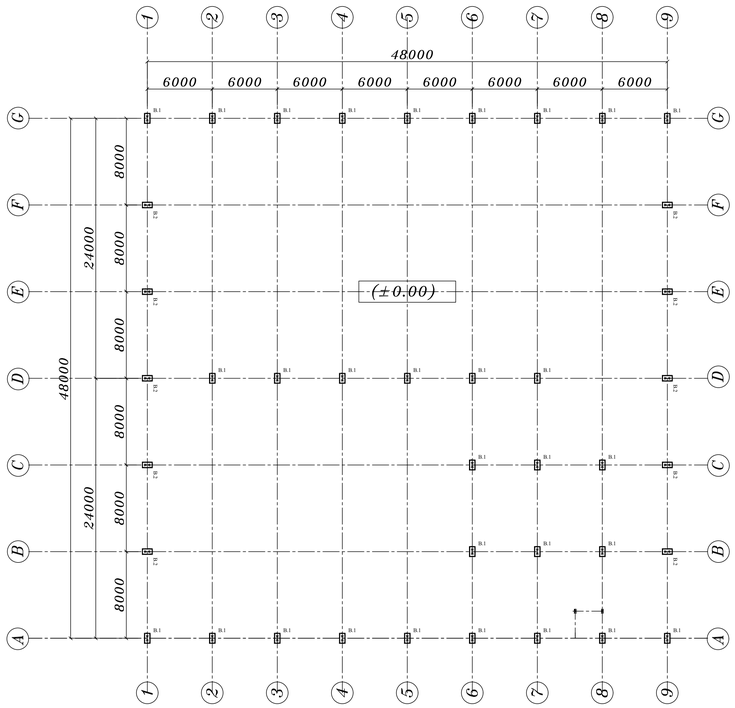
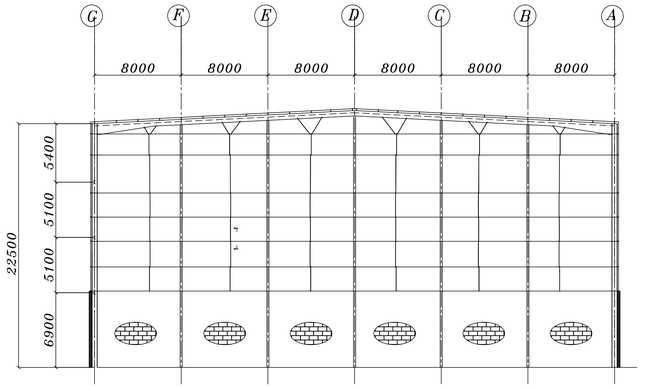
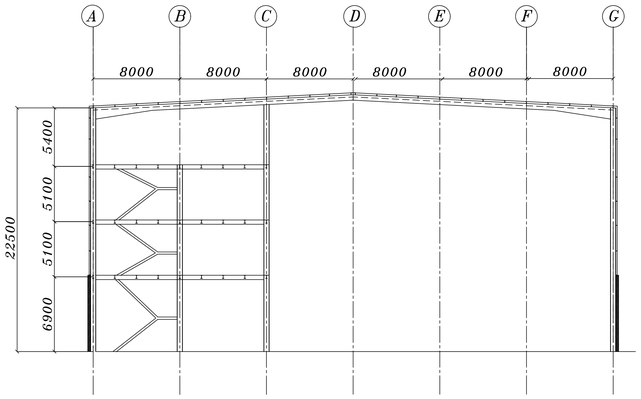


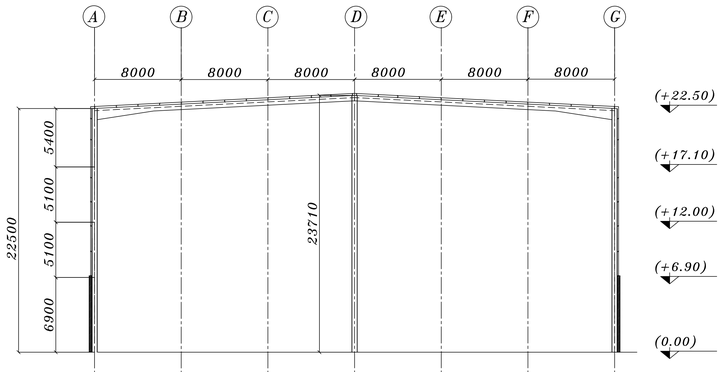
BASE PLATE LAYOUT PLAN



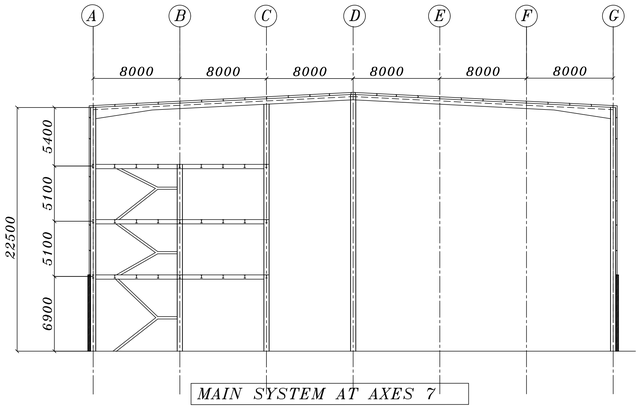
MAIN SYSTEM AT AXIS 1



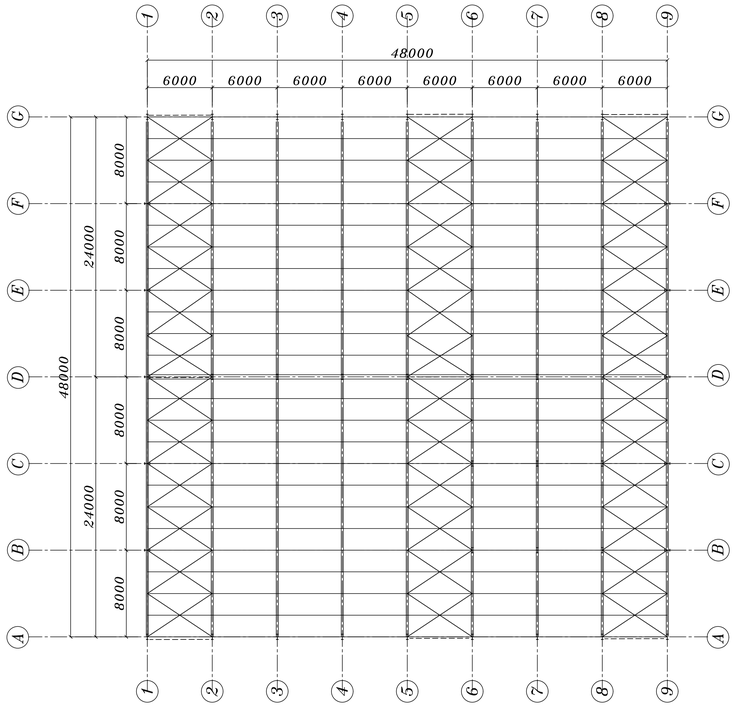
MAIN SYSTEM AT AXIS 8



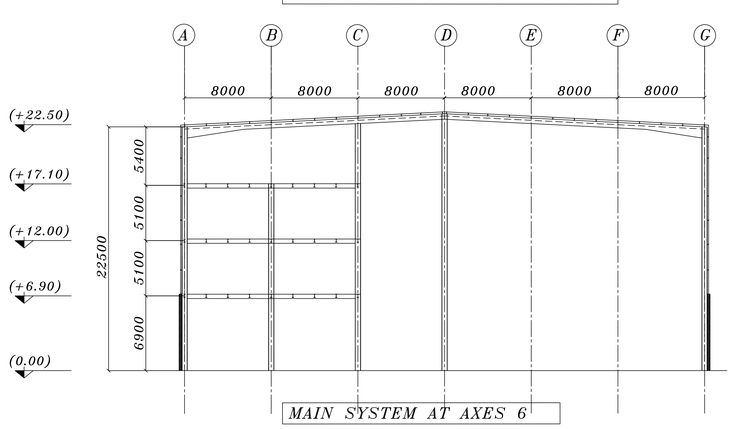
MAIN SYSTEM FROM AXES 2 TO 5



MAIN SYSTEM AT AXES 7



STEEL FLOOR LAYOUT PLAN



MAIN SYSTEM AT AXES 6

GENERAL CONSULTANT :-

A S U
Faculty Of Engineering
RIMON AZIZ SAMAAN

ST: MOHAMED HASSAN ALI BEZAWY
SENIOR-LEVEL(1) MAIL: 1902242@eng.asu.edu.eg

AIN SHAMS UNIVERSITY

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS .
2. ALL ELEVATIONS ARE IN MILLIMETERS.
3. AL STEEL PLATES ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
4. ALL STEEL ROLLED SECTIONS ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
5. ALL COLD FORMED SECTIONS(PURLINS & SIDE GIRT) ARE ST-37 (FY=2.4 t/cm2 & FU=3.6t/cm2).
6. ALL ANCHOR BOLTS ARE ST-52 (FY=3.6 t/cm2 & FU=5.2 t/cm2).
7. ALL BOLTS ARE HIGH STRENGTH BOLTS GRADE 8.8 UNLESS OTHERWISE NOTED.
8. COVERING CORRUGATED SHEETS ARE OF THICKNESS 0.5mm.
9. FIELD CONNECTIONS FOR PURLINS, GIRTS & BRACING MEMBERS ARE DESIGNED WITH 16mm.DIA. ORDINARY BOLTS C(4.6) .

NO.	DATE	AMENDMENT DESCRIPTION

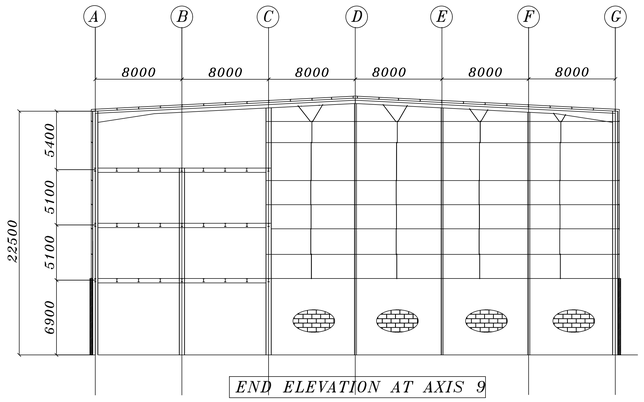
Drawn	
Designed	
Checked	
Approved	
Date	

PROJECT NAME

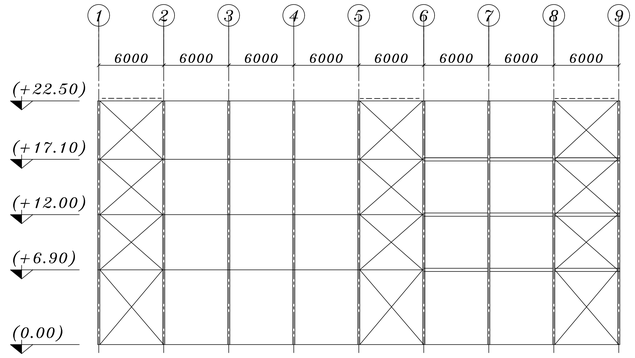
GENERAL LAYOUT

DRAWING TITLE

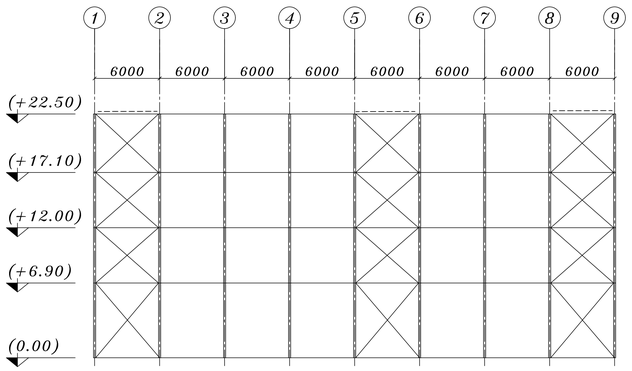
Scale
1:10



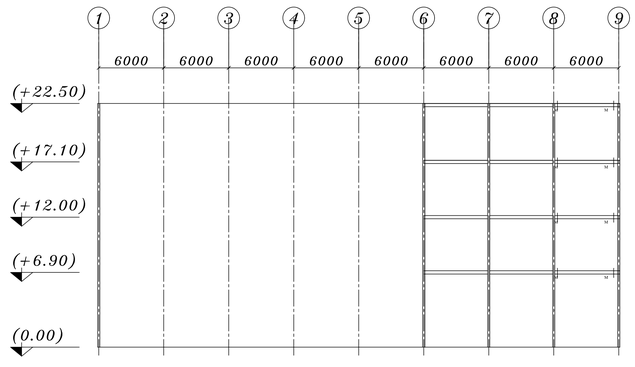
END ELEVATION AT AXIS 9



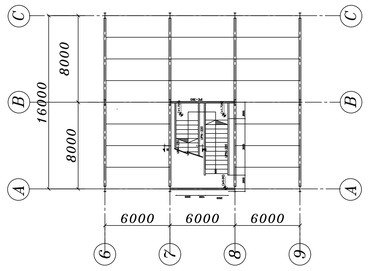
VERTICAL BRACING AT AXES A



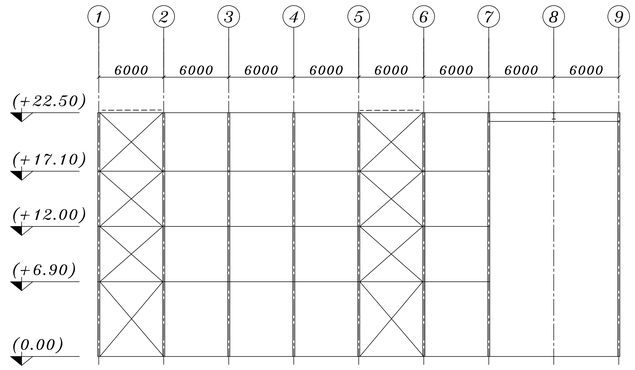
VERTICAL BRACING AT AXES G



CROSS SECTION AT AXES C



TYPICAL MEZZANINE PLAN
AT (+6.90), (+12.00), (+17.00)



VERTICAL BRACING AT AXES D

GENERAL CONSULTANT :-

A S U
Faculty Of Engineering
RIMON AZIZ SAMAAN

ST: MOHAMED HASSAN ALI BEZAWY
SENIOR-LEVEL(1) MAIL: 1902242@eng.asu.edu.eg

AIN SHAMS UNIVERSITY

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS .
2. ALL ELEVATIONS ARE IN MILLIMETERS.
3. AL STEEL PLATES ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
4. ALL STEEL ROLLED SECTIONS ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
5. ALL COLD FORMED SECTIONS(PURLINS & SIDE GIRT) ARE ST-37 (FY=2.4 t/cm2 & FU=3.6t/cm2).
6. ALL ANCHOR BOLTS ARE ST-52 (FY=3.6 t/cm2 & FU=5.2 t/cm2).
7. ALL BOLTS ARE HIGH STRENGTH BOLTS GRADE 8.8 UNLESS OTHERWISE NOTED.
8. COVERING CORRUGATED SHEETS ARE OF THICKNESS 0.5mm.
9. FIELD CONNECTIONS FOR PURLINS, GIRTS & BRACING MEMBERS ARE DESIGNED WITH 16mm.DIA. ORDINARY BOLTS G(4.6) .
10. "M" REFERS TO MOMENT CONNECTIONS.

NO.	DATE	AMENDMENT DESCRIPTION

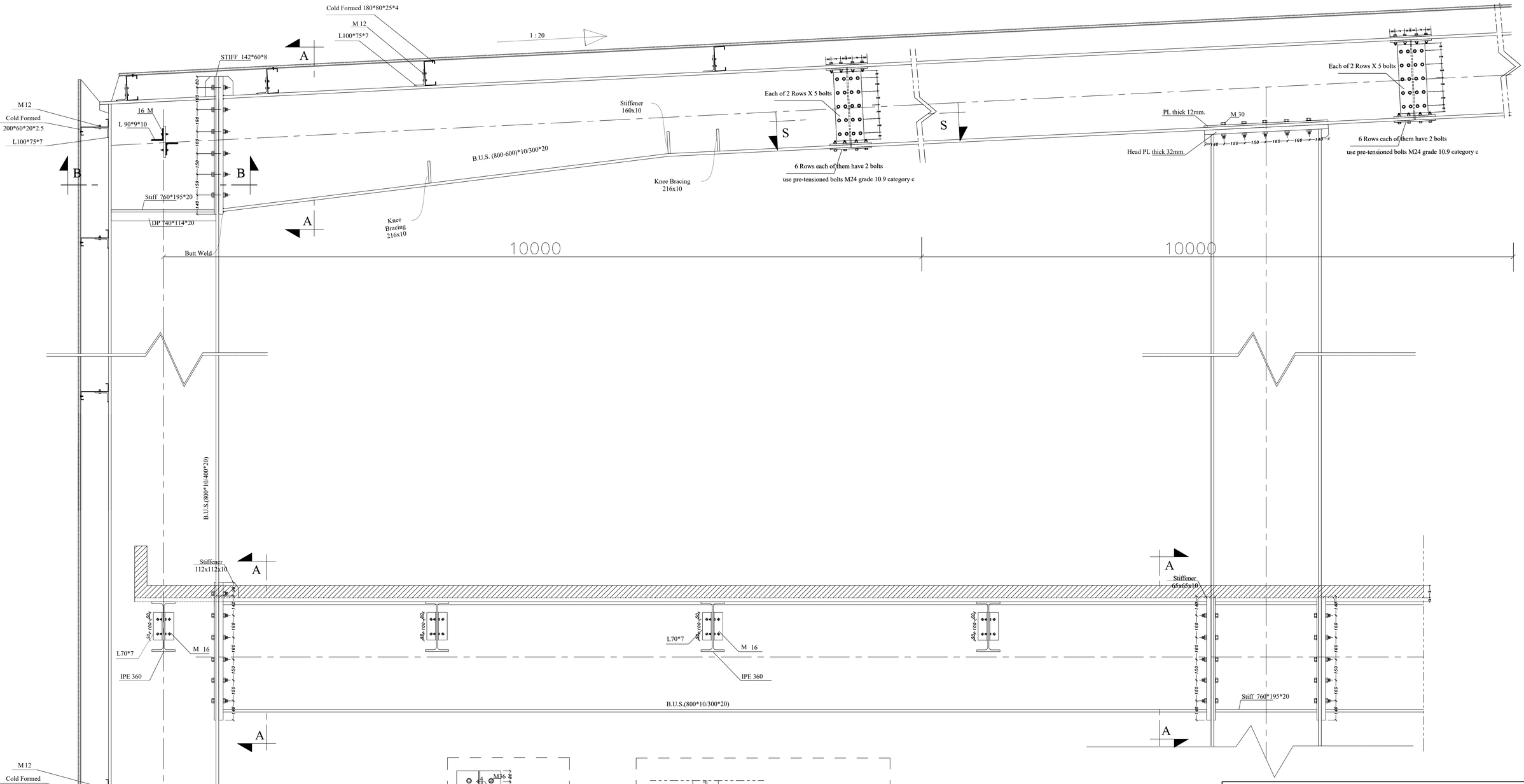
Drawn	
Designed	
Checked	
Approved	
Date	

PROJECT NAME

GENERAL LAYOUT

DRAWING TITLE

Scale
1:10



A S U
Faculty Of Engineering
RIMON AZIZ SAMAAN

ST: MOHAMED HASSAN ALI BEZAWY
SENIOR-LEVEL(1) MAIL: 1902242@eng.asu.edu.eg

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS .
2. ALL ELEVATIONS ARE IN MILLIMETERS.
3. AL STEEL PLATES ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
4. ALL STEEL ROLLED SECTIONS ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
5. ALL COLD FORMED SECTIONS(PURLINS & SIDE GIRT) ARE ST-37 (FY=2.4 t/cm2 & FU=3.6t/cm2).
6. ALL ANCHOR BOLTS ARE ST-52 (FY=3.6 t/cm2 & FU=5.2 t/cm2).
7. ALL BOLTS ARE HIGH STRENGTH BOLTS GRADE 8.8 UNLESS OTHERWISE NOTED.
8. COVERING CORRUGATED SHEETS ARE OF THICKNESS 0.5mm.
9. FIELD CONNECTIONS FOR PURLINS, GIRTS & BRACING MEMBERS ARE DESIGNED WITH 16mm.DIA. ORDINARY BOLTS G(4.6) .
10. "SP-1" REFERS TO SPLICE LOCATIONS.

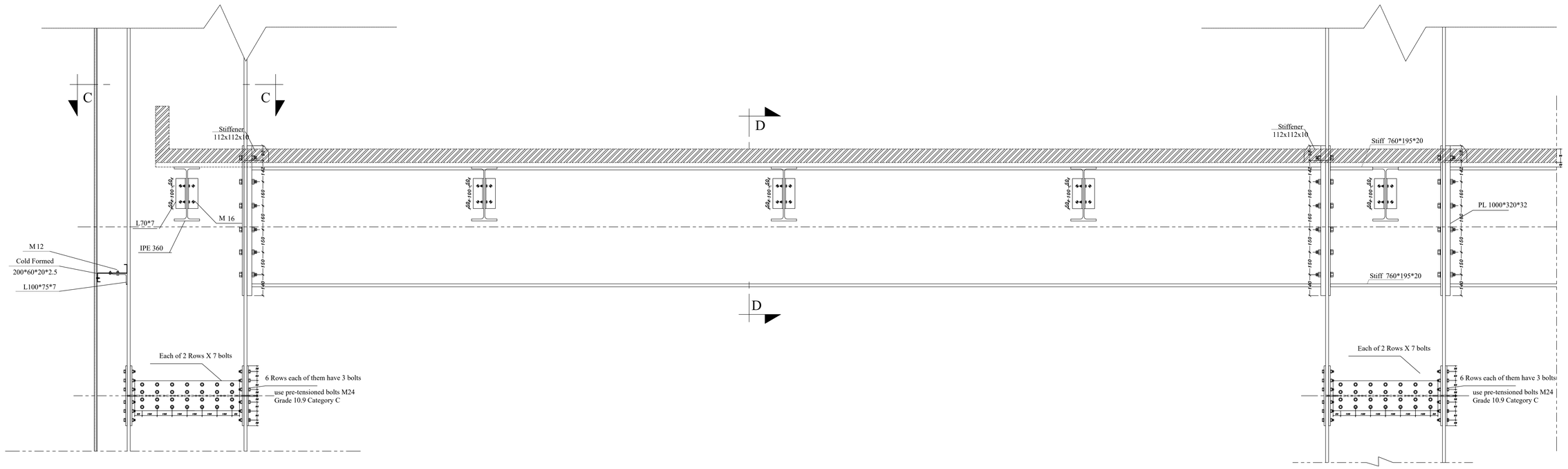
NO.	DATE	AMENDMENT DESCRIPTION

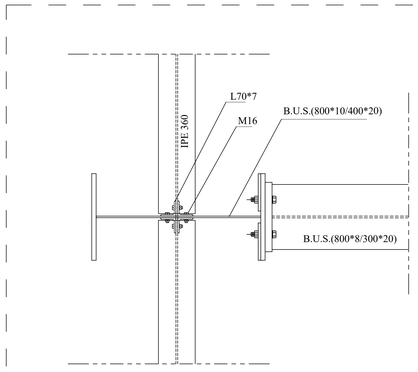
Drawn	
Designed	
Checked	
Approved	
Date	

PROJECT NAME

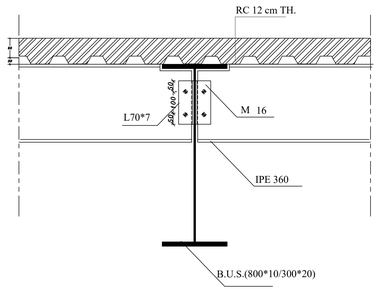
DRAWING TITLE
MAIN SYSTEM AT AXIS 6 - N01

Scale
1:10

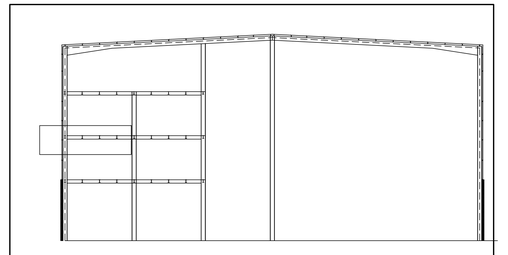




C - C
Scale 1:5



D - D
Scale 1:5



MAIN SYSTEM AT AXES 6

GENERAL CONSULTANT :-

A S U
Faculty Of Engineering
RIMON AZIZ SAMAAN

ST: MOHAMED HASSAN ALI BEZAWY
SENIOR-LEVL(1) MAIL: 1902242@eng.asu.edu.eg

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS .
2. ALL ELEVATIONS ARE IN MILLIMETERS.
3. AL STEEL PLATES ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
4. ALL STEEL ROLLED SECTIONS ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
5. ALL COLD FORMED SECTIONS(PURLINS & SIDE GIRT) ARE ST-37 (FY=2.4 t/cm2 & FU=3.6t/cm2).
6. ALL ANCHOR BOLTS ARE ST-52 (FY=3.6 t/cm2 & FU=5.2 t/cm2).
7. ALL BOLTS ARE HIGH STRENGTH BOLTS GRADE 8.8 UNLESS OTHERWISE NOTED.
8. COVERING CORRUGATED SHEETS ARE OF THICKNESS 0.5mm.
9. FIELD CONNECTIONS FOR PURLINS, GIRTS & BRACING MEMBERS ARE DESIGNED WITH 16mm.DIA. ORDINARY BOLTS G(4.6) .

NO.	DATE	AMENDMENT DESCRIPTION

Drawn	
Designed	
Checked	
Approved	
Date	

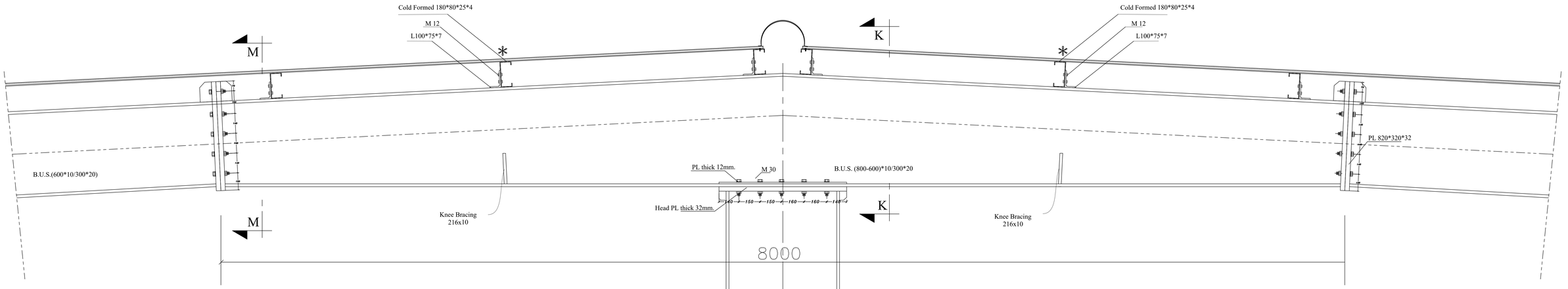
PROJECT NAME

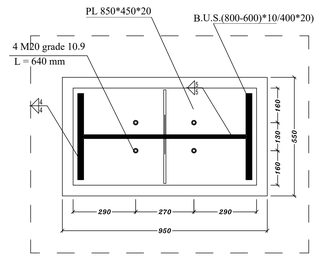
DRAWING TITLE

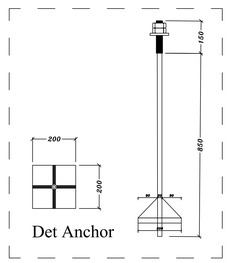
MAIN SYSTEM AT AXIS 6 - N02

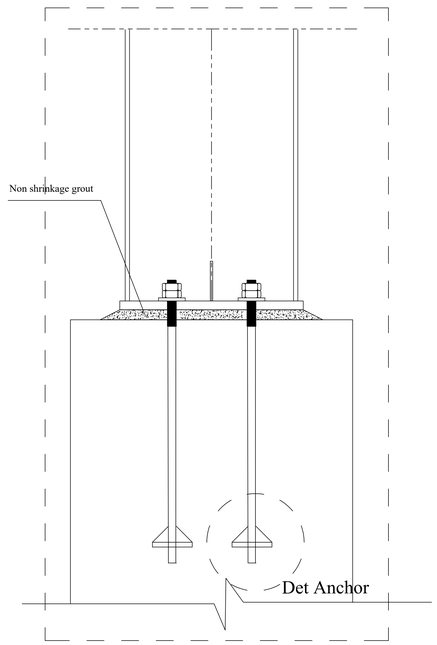
Scale

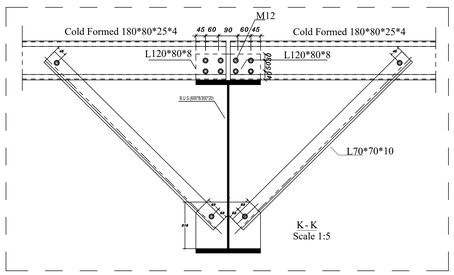
1:10

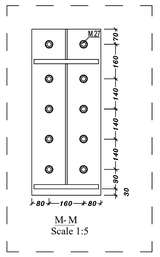


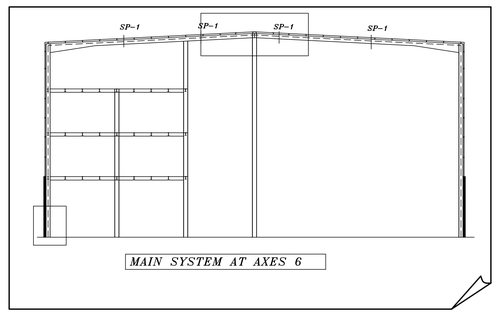












GENERAL CONSULTANT :-

A S U
Faculty Of Engineering
RIMON AZIZ SAMAAN

ST: MOHAMED HASSAN ALI BEZAWY
SENIOR-LEVEL(1) MAIL: 1902242@eng.asu.edu.eg

AIN SHAMS UNIVERSITY

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS .
2. ALL ELEVATIONS ARE IN MILLIMETERS.
3. AL STEEL PLATES ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
4. ALL STEEL ROLLED SECTIONS ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
5. ALL COLD FORMED SECTIONS(PURLINS & SIDE GIRT) ARE ST-37 (FY=2.4 t/cm2 & FU=3.6t/cm2).
6. ALL ANCHOR BOLTS ARE ST-52 (FY=3.6 t/cm2 & FU=5.2 t/cm2).
7. ALL BOLTS ARE HIGH STRENGTH BOLTS GRADE 8.8 UNLESS OTHERWISE NOTED.
8. COVERING CORRUGATED SHEETS ARE OF THICKNESS 0.5mm.
9. FIELD CONNECTIONS FOR PURLINS, GIRTS & BRACING MEMBERS ARE DESIGNED WITH 16mm.DIA. ORDINARY BOLTS G(4.6) .
10. "SP-1" REFERS TO SPLICE LOCATIONS.

NO.	DATE	AMENDMENT DESCRIPTION

Drawn	
Designed	
Checked	
Approved	
Date	

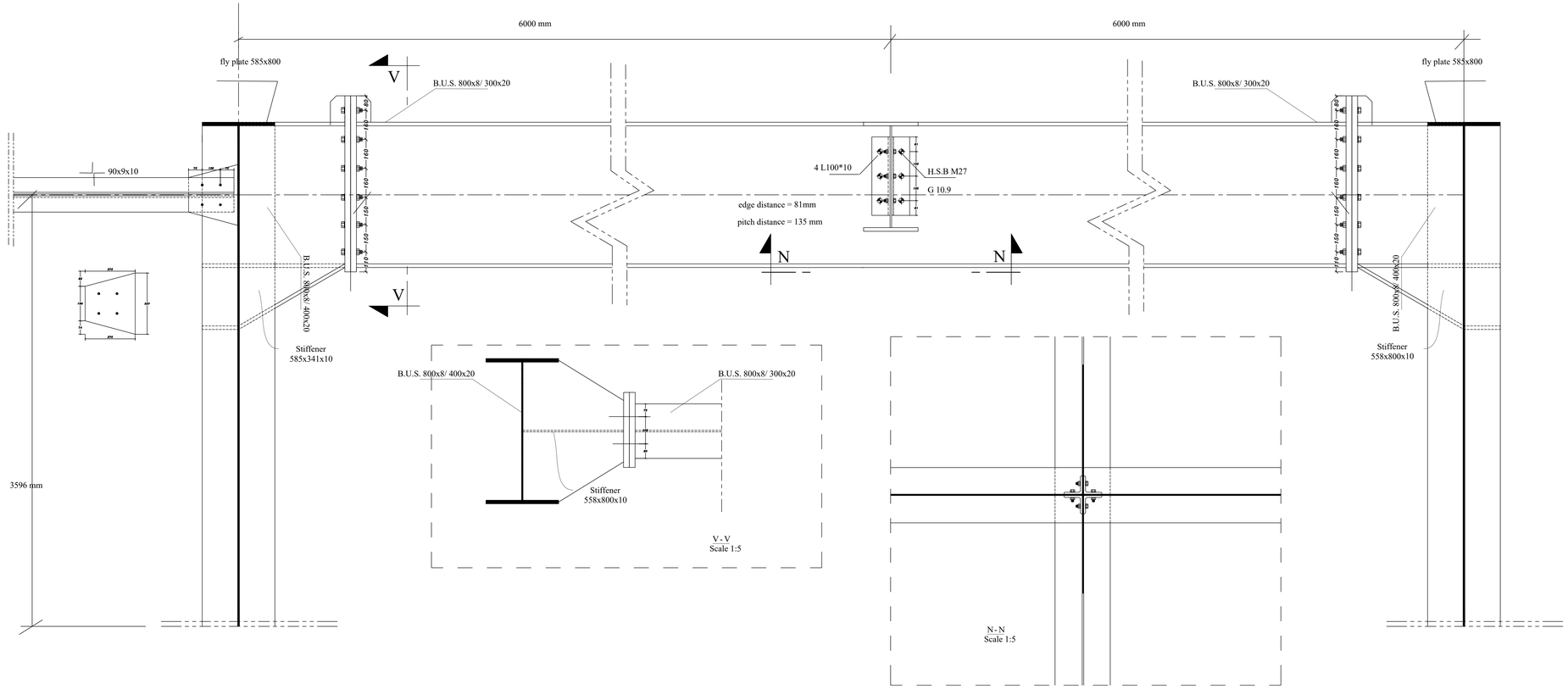
PROJECT NAME

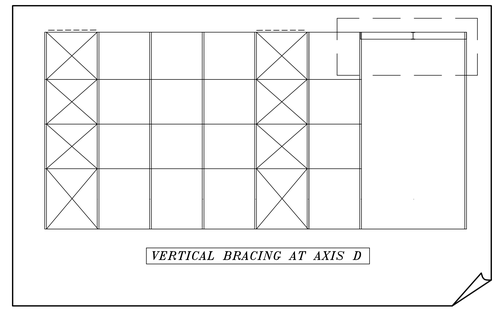
DRAWING TITLE

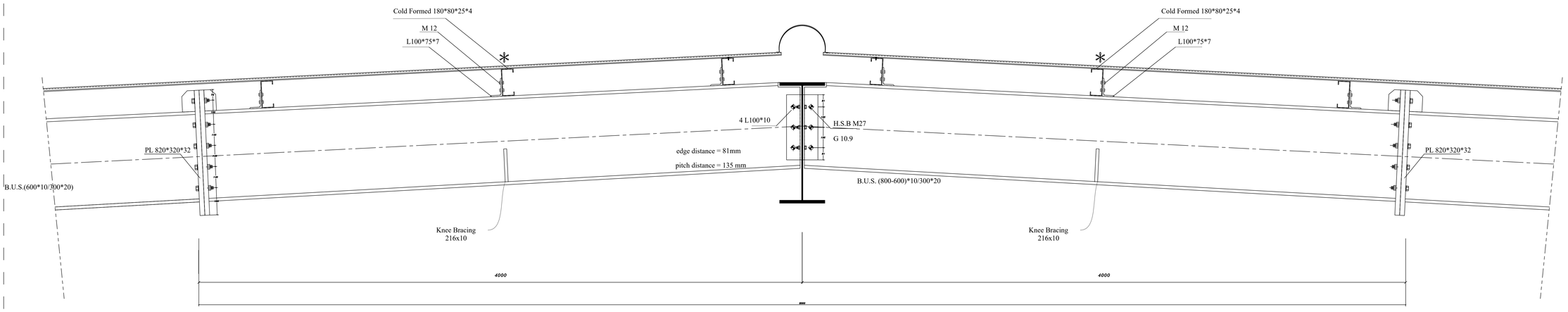
MAIN SYSTEM AT AXIS 6 - N03

Scale

1:10







GENERAL CONSULTANT :-

A S U
Faculty Of Engineering
RIMON AZIZ SAMAAN

ST: MOHAMED HASSAN ALI BEZAWY
SENIOR-LEVEL(1) MAIL: 1902242@eng.asu.edu.eg

AIN SHAMS UNIVERSITY

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS .
2. ALL ELEVATIONS ARE IN MILLIMETERS.
3. AL STEEL PLATES ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
4. ALL STEEL ROLLED SECTIONS ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
5. ALL COLD FORMED SECTIONS(PURLINS & SIDE GIRT) ARE ST-37 (FY=2.4 t/cm2 & FU=3.60/cm2).
6. ALL ANCHOR BOLTS ARE ST-52 (FY=3.6 t/cm2 & FU=5.2 t/cm2).
7. ALL BOLTS ARE HIGH STRENGTH BOLTS GRADE 8.8 UNLESS OTHERWISE NOTED.
8. COVERING CORRUGATED SHEETS ARE OF THICKNESS 0.5mm.
9. FIELD CONNECTIONS FOR PURLINS, GIRTS & BRACING MEMBERS ARE DESIGNED WITH 16mm.DIA. ORDINARY BOLTS G(4.6) .

NO.	DATE	AMENDMENT DESCRIPTION

Drawn	
Designed	
Checked	
Approved	
Date	

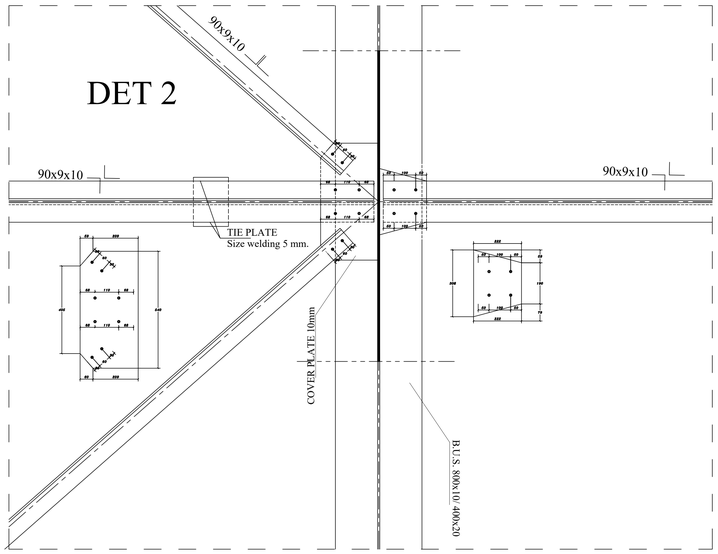
PROJECT NAME

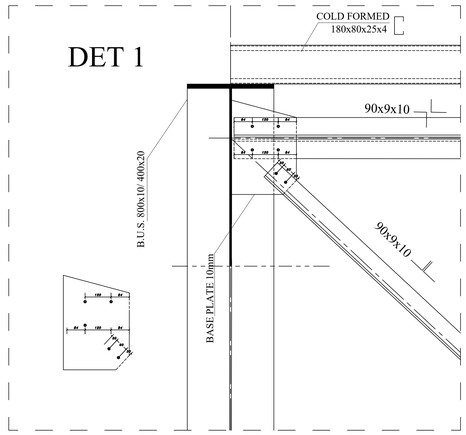
DRAWING TITLE

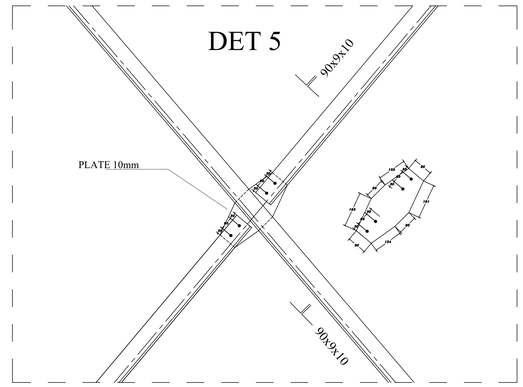
VERTICAL BRACING AT AXIS D
MAIN SYSTEM AT AXIS 8

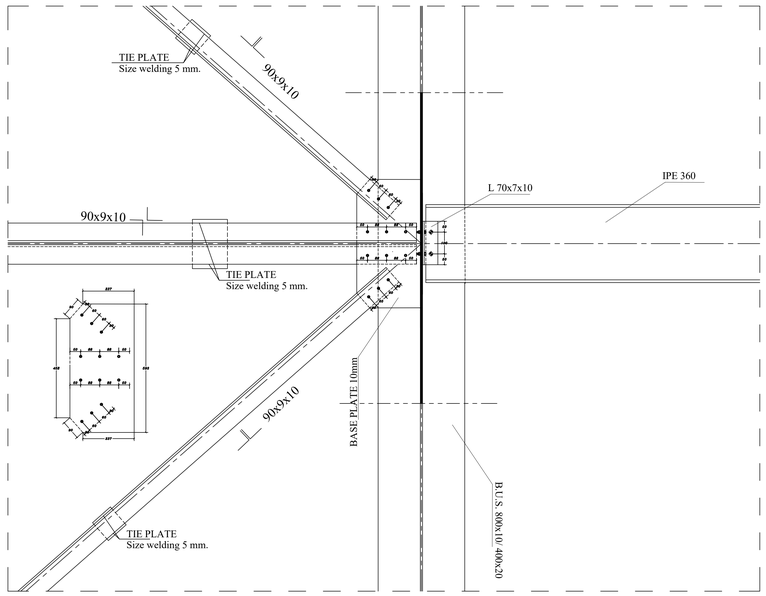
Scale

1:10

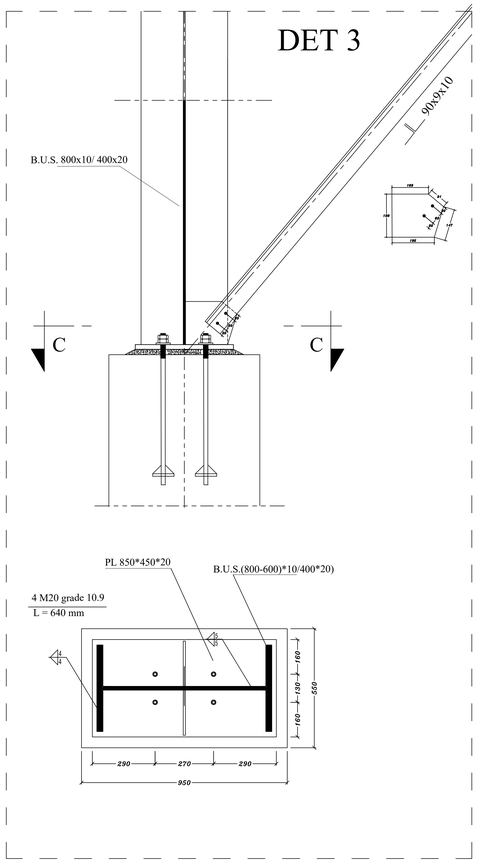


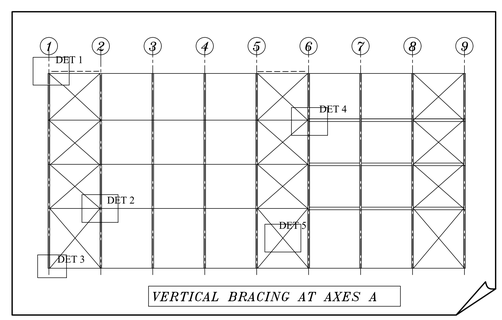






DET 4





GENERAL CONSULTANT :-

A S U
Faculty Of Engineering
RIMON AZIZ SAMAAN

ST: MOHAMED HASSAN ALI BEZAWY
SENIOR-LEVEL(1) MAIL: 1902242@eng.asu.edu.eg

AIN SHAMS UNIVERSITY

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS .
2. ALL ELEVATIONS ARE IN MILLIMETERS.
3. AL STEEL PLATES ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
4. ALL STEEL ROLLED SECTIONS ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
5. ALL COLD FORMED SECTIONS(PURLINS & SIDE GIRT) ARE ST-37 (FY=2.4 t/cm2 & FU=3.6t/cm2).
6. ALL ANCHOR BOLTS ARE ST-52 (FY=3.6 t/cm2 & FU=5.2 t/cm2).
7. ALL BOLTS ARE HIGH STRENGTH BOLTS GRADE 8.8 UNLESS OTHERWISE NOTED.
8. COVERING CORRUGATED SHEETS ARE OF THICKNESS 0.5mm.
9. FIELD CONNECTIONS FOR PURLINS, GIRTS & BRACING MEMBERS ARE DESIGNED WITH 16mm.DIA. ORDINARY BOLTS G(4.6) .
10. TIE PLATE IS ADDED FOR ALL DOUBLE ANGLES AND STAR SHAPES WITH SIZE OF WELD 5 mm.

NO.	DATE	AMENDMENT DESCRIPTION

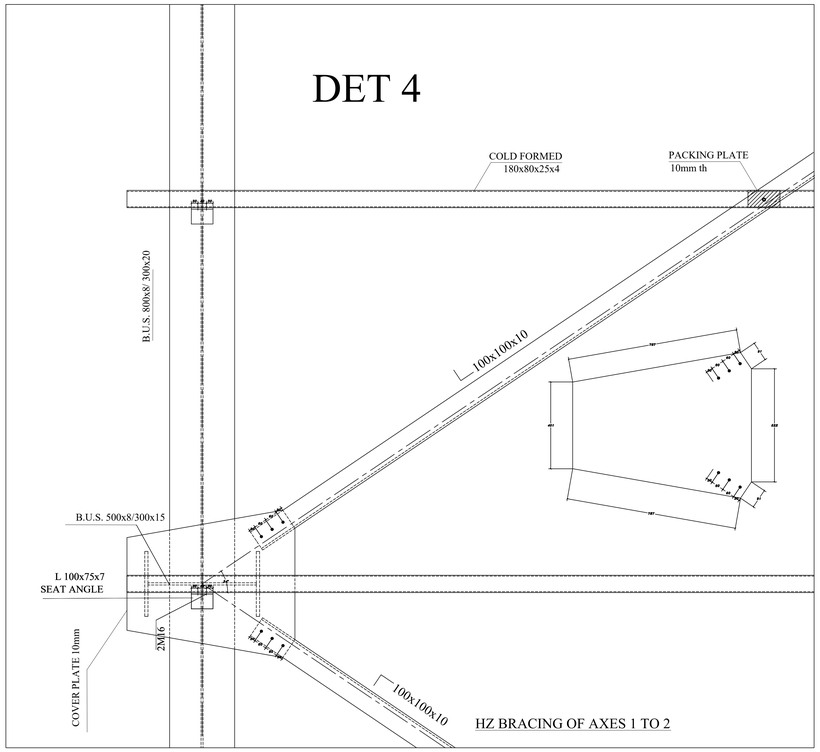
Drawn
Designed
Checked
Approved
Date

PROJECT NAME

DRAWING TITLE
VL BRACING AT AXIS A

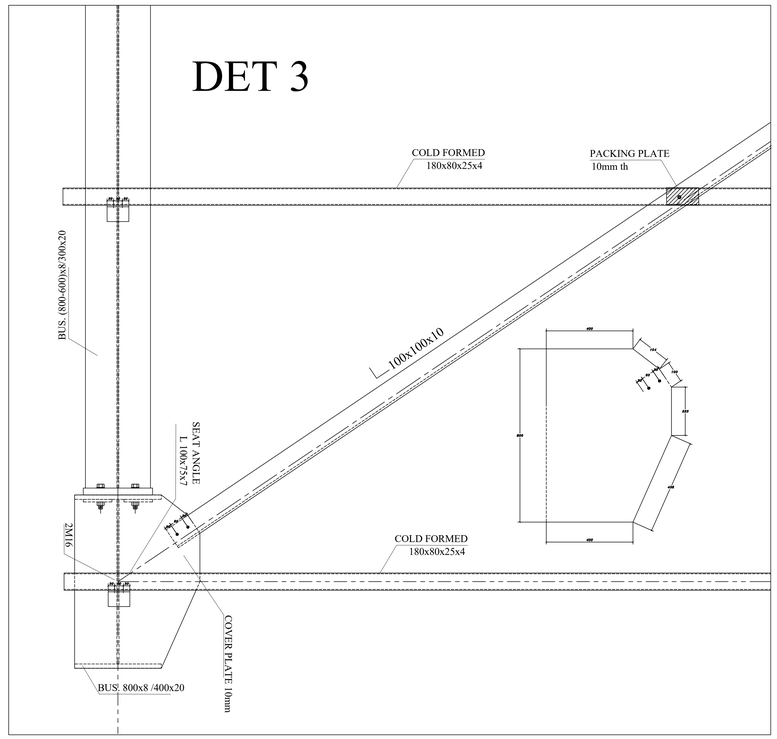
Scale
1:10

DET 4



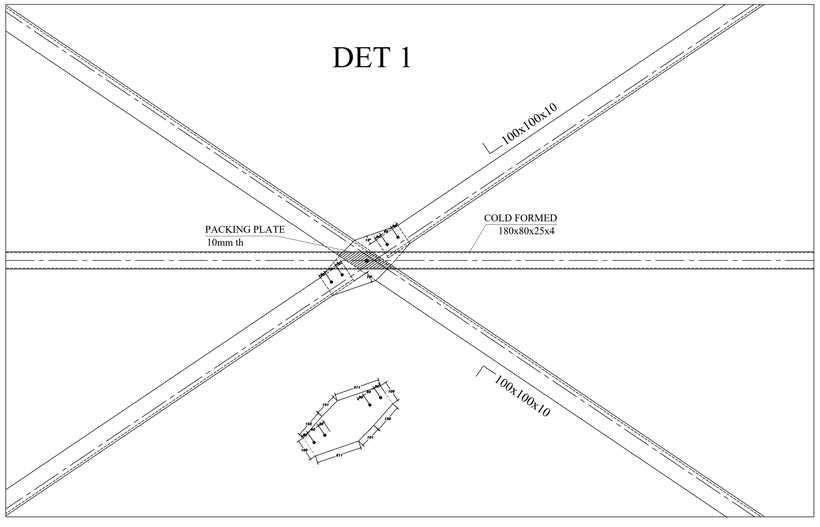
HZ BRACING OF AXES 1 TO 2

DET 3

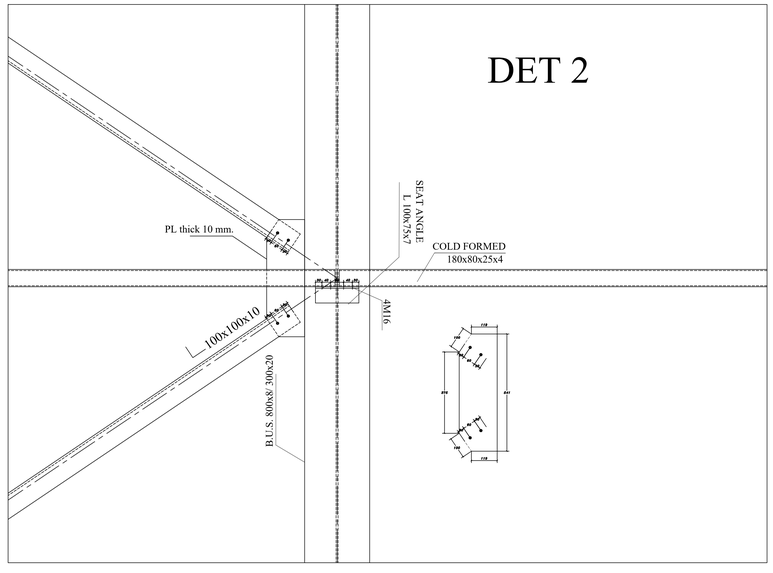


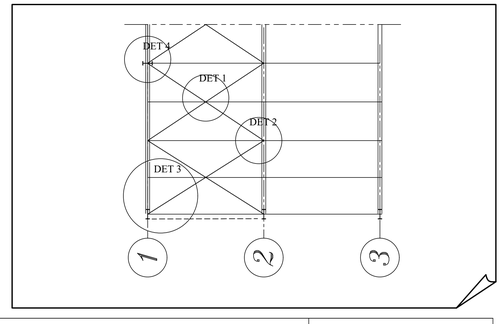
HZ BRACING OF AXES 1 TO 2

DET 1



DET 2





GENERAL CONSULTANT :-

A S U
Faculty Of Engineering
RIMON AZIZ SAMAAN

ST: MOHAMED HASSAN ALI BEZAWY
SENIOR-LEVL(1) MAIL: 1902242@eng.asu.edu.eg

AIN SHAMS UNIVERSITY

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS .
2. ALL ELEVATIONS ARE IN MILLIMETERS.
3. AL STEEL PLATES ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
4. ALL STEEL ROLLED SECTIONS ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
5. ALL COLD FORMED SECTIONS(PURLINS & SIDE GIRT) ARE ST-37 (FY=2.4 t/cm2 & FU=3.6t/cm2).
6. ALL ANCHOR BOLTS ARE ST-52 (FY=3.6 t/cm2 & FU=5.2 t/cm2).
7. ALL BOLTS ARE HIGH STRENGTH BOLTS GRADE 8.8 UNLESS OTHERWISE NOTED.
8. COVERING CORRUGATED SHEETS ARE OF THICKNESS 0.5mm.
9. FIELD CONNECTIONS FOR PURLINS, GIRTS & BRACING MEMBERS ARE DESIGNED WITH 16mm.DIA. ORDINARY BOLTS C(4.6) .

NO.	DATE	AMENDMENT DESCRIPTION

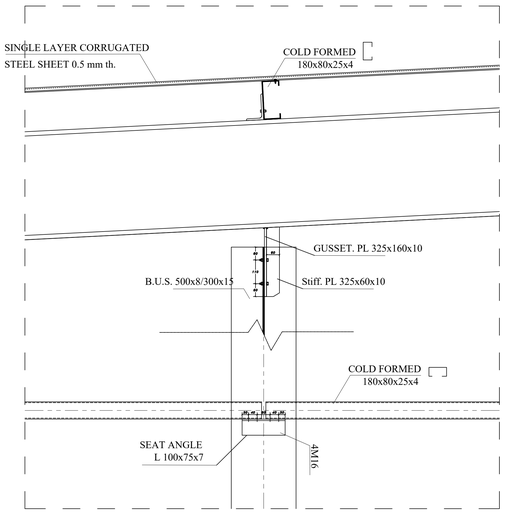
Drawn
Designed
Checked
Approved
Date

PROJECT NAME

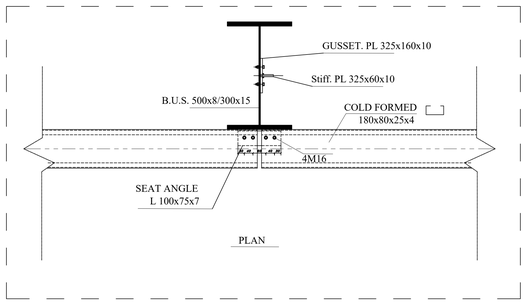
DRAWING TITLE
HZ BRACING OF AXES 1 TO 2

Scale
1:10

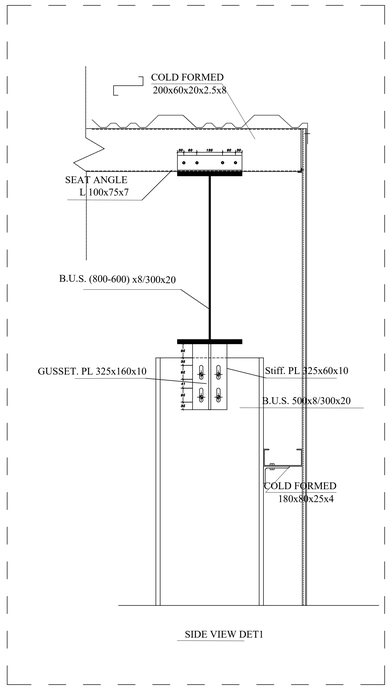
DET 1



ELEVATION

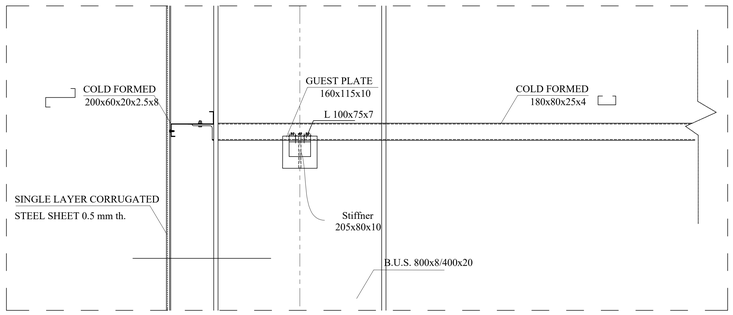


PLAN

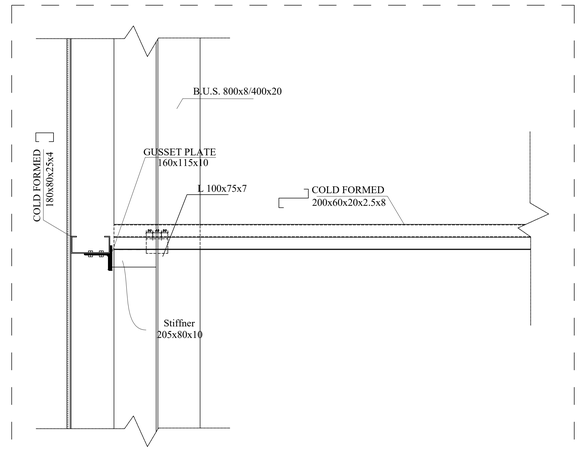


SIDE VIEW DET1

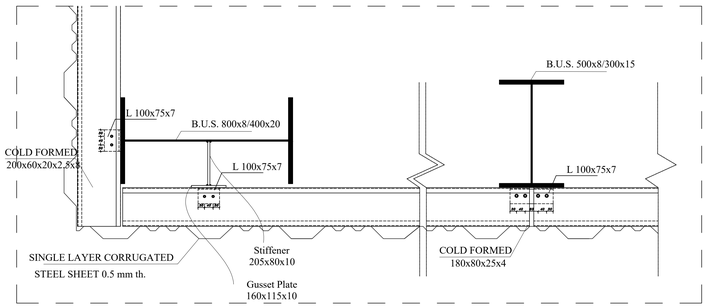
DET 2



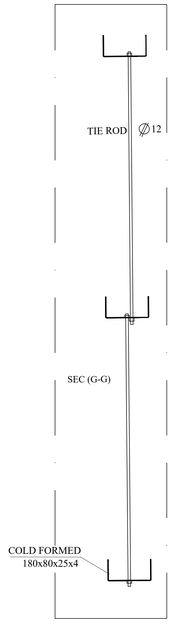
ELEVATION

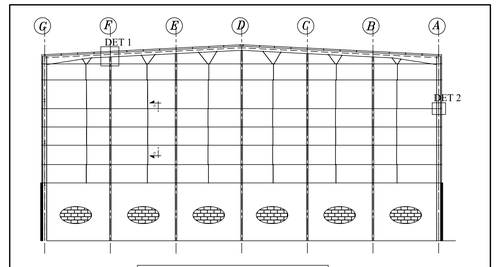


SIDE VIEW DET2



PLAN





MAIN SYSTEM AT AXIS 1

GENERAL CONSULTANT :-

A S U
Faculty Of Engineering
RIMON AZIZ SAMAAN

ST: MOHAMED HASSAN ALI BEZAWY
SENIOR-LEVEL(1) MAIL: 1902242@eng.asu.edu.eg

AIN SHAMS UNIVERSITY

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS .
2. ALL ELEVATIONS ARE IN MILLIMETERS.
3. AL STEEL PLATES ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
4. ALL STEEL ROLLED SECTIONS ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
5. ALL COLD FORMED SECTIONS(PURLINS & SIDE GIRT) ARE ST-37 (FY=2.4 t/cm2 & FU=3.6t/cm2).
6. ALL ANCHOR BOLTS ARE ST-52 (FY=3.6 t/cm2 & FU=5.2 t/cm2).
7. ALL BOLTS ARE HIGH STRENGTH BOLTS GRADE 8.8 UNLESS OTHERWISE NOTED.
8. COVERING CORRUGATED SHEETS ARE OF THICKNESS 0.5mm.
9. FIELD CONNECTIONS FOR PURLINS, GIRTS & BRACING MEMBERS ARE DESIGNED WITH 16mm.DIA. ORDINARY BOLTS G(4.6) .

NO.	DATE	AMENDMENT DESCRIPTION

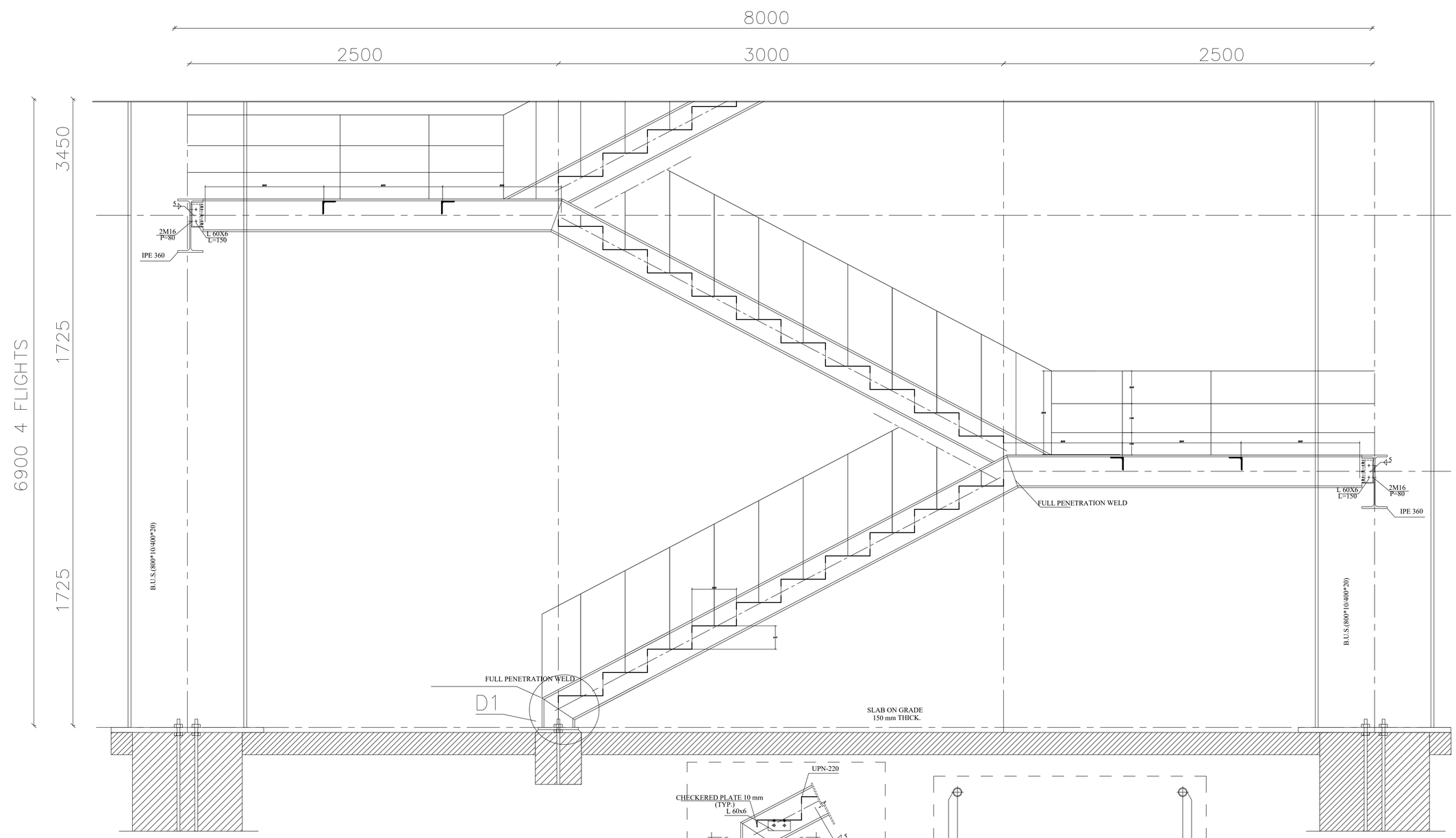
Drawn | Designed | Checked | Approved | Date

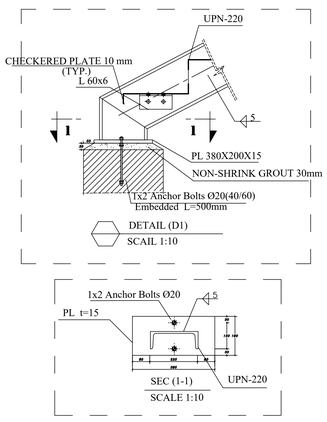
PROJECT NAME

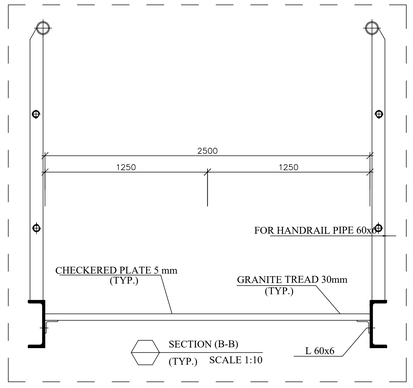
DRAWING TITLE

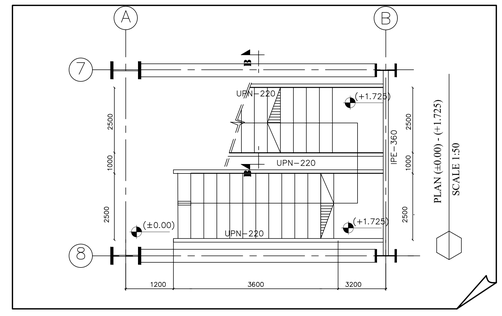
HZ BRACING OF AXES 1 TO 2

Scale
1:10









GENERAL CONSULTANT :-

A S U
Faculty Of Engineering
RIMON AZIZ SAMAAN

AIN SHAMS UNIVERSITY

ST: MOHAMED HASSAN ALI BEZAWY
SENIOR-LEVEL(1) MAIL: 1902242@eng.asu.edu.eg

GENERAL NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS .
2. ALL ELEVATIONS ARE IN MILLIMETERS.
3. AL STEEL PLATES ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
4. ALL STEEL ROLLED SECTIONS ARE ST-37 (FY=2.4 t/cm2 & FU=3.6 t/cm2).
5. ALL COLD FORMED SECTIONS(PURLINS & SIDE GIRT) ARE ST-37 (FY=2.4 t/cm2 & FU=3.6t/cm2).
6. ALL ANCHOR BOLTS ARE ST-52 (FY=3.6 t/cm2 & FU=5.2 t/cm2).
7. ALL BOLTS ARE HIGH STRENGTH BOLTS GRADE 8.8 UNLESS OTHERWISE NOTED.
8. COVERING CORRUGATED SHEETS ARE OF THICKNESS 0.5mm.
9. FIELD CONNECTIONS FOR PURLINS, GIRTS & BRACING MEMBERS ARE DESIGNED WITH 16mm.DIA. ORDINARY BOLTS G(4.6) .

NO.	DATE	AMENDMENT DESCRIPTION

Drawn	
Designed	
Checked	
Approved	
Date	

PROJECT NAME

DRAWING TITLE

Scale
1:10