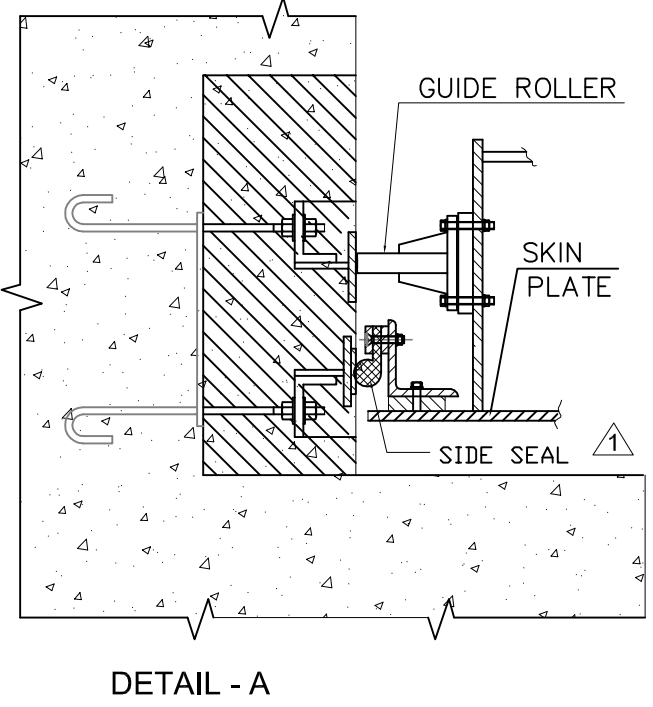
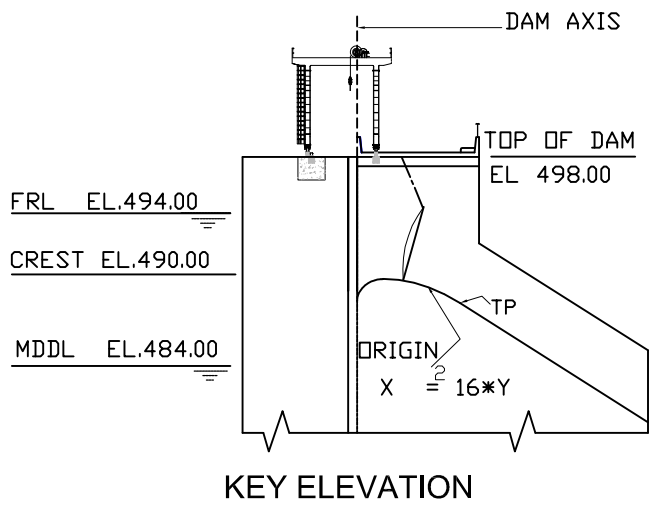
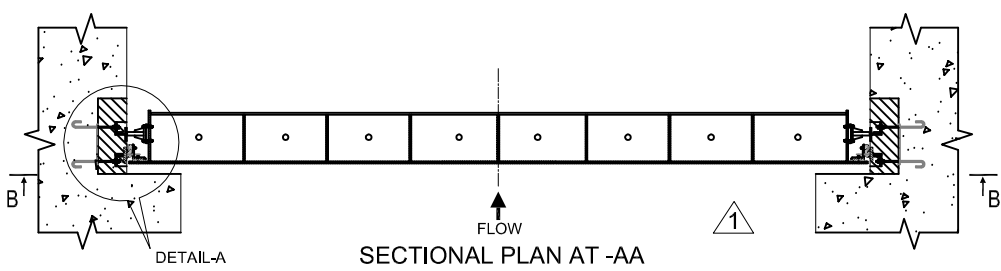
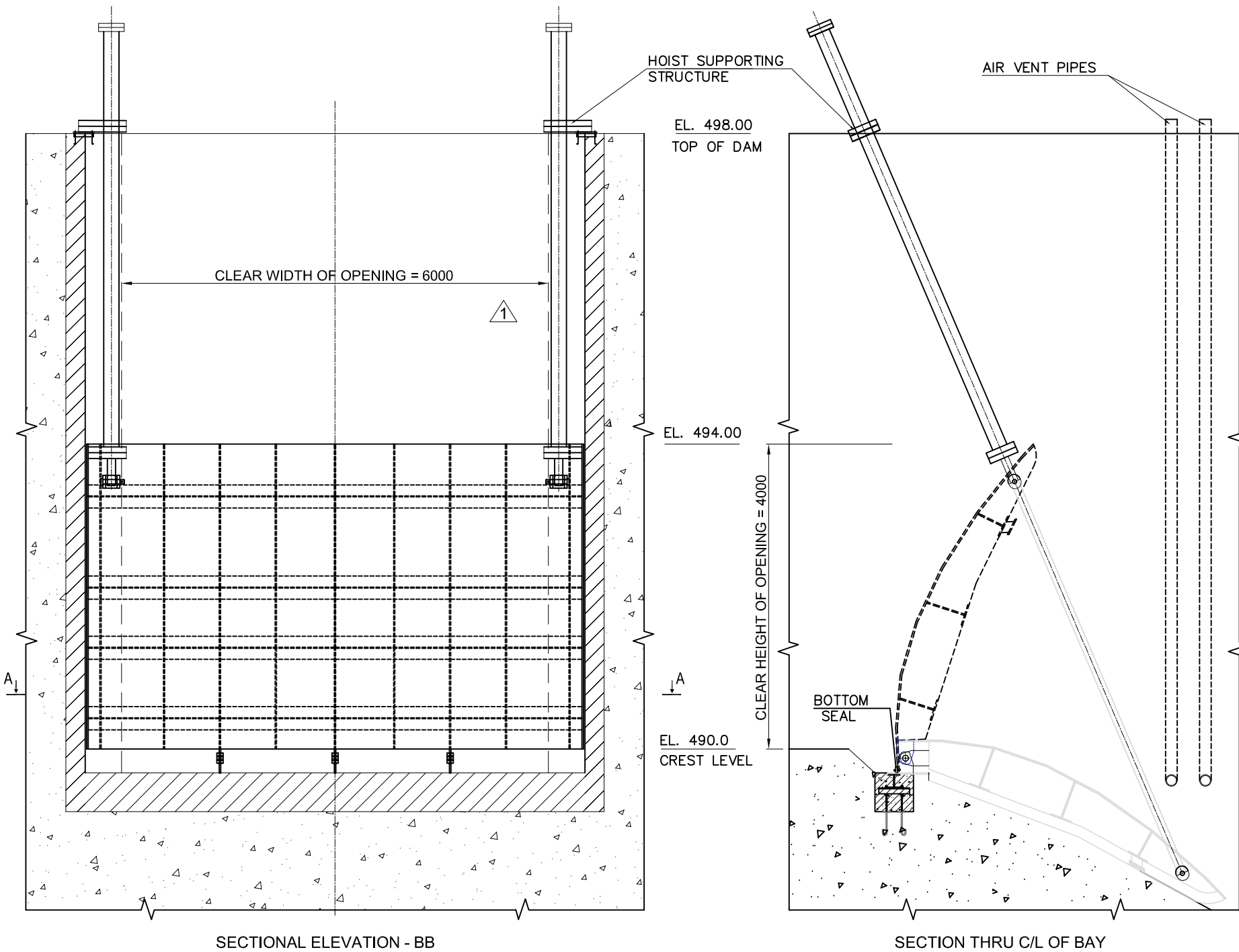




- NOTES:-**
- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES UNLESS OTHERWISE SPECIFIED.
 - NO DIMENSION IS TO BE SCALED OUT, ONLY WRITTEN DIMENSIONS ARE TO BE TAKEN AS CORRECT.

- TECHNICAL DETAILS**
- | | |
|--------------------|-------------------|
| 1. No. OF OPENINGS | 1 |
| 2. OPENING SIZE | 6.0m(w) x 4.0m(h) |
| 3. TYPE OF GATE | FLAP TYPE |
| 4. No. OF GATES | 1 |
| 5. TYPE OF HOIST | HYDRAULIC HOIST |

FOR DETAILED PROJECT REPORT ONLY

- LEGENDS:-**
- | | |
|----------------------------------|--|
| FIRST STAGE CONCRETE IN SECTION | |
| SECOND STAGE CONCRETE IN SECTION | |
| STEEL IN SECTION | |
| STAINLESS STEEL IN SECTION | |

**एसजेवीएन लिमिटेड**
SJVN LIMITED

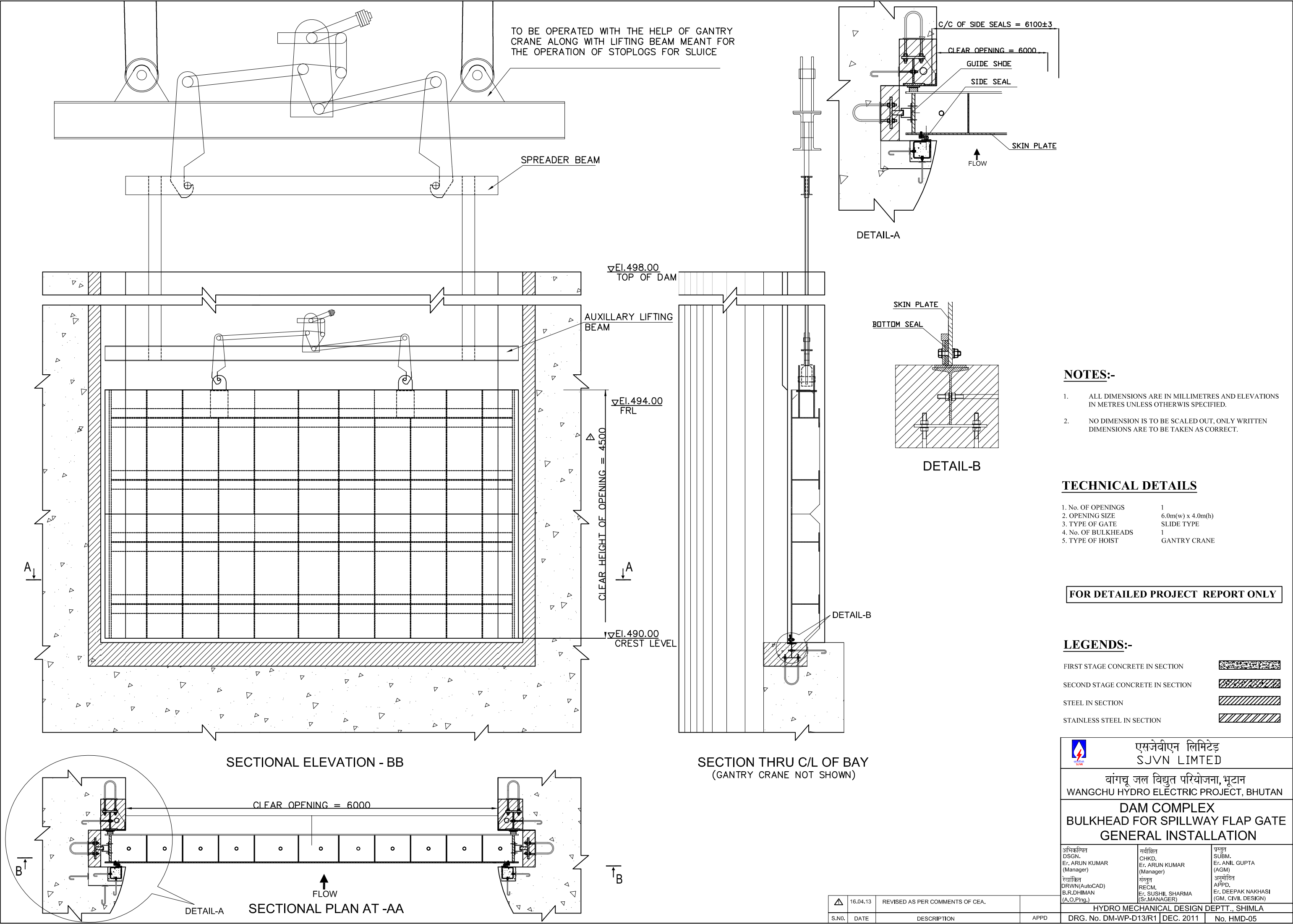
वांगचू जल विद्युत परियोजना, भूटान
WANGCHU HYDRO ELECTRIC PROJECT, BHUTAN

DAM COMPLEX
SPILLWAY FLAP GATE
GENERAL ARRANGEMENT

अभिकल्पित DSGN. Er. ARUN KUMAR (Manager)	समीक्षित CHKD. Er. ARUN KUMAR (Manager)	प्रस्तुत SUBM. Er. ANIL GUPTA (AGM)
रेखांकित DRWN(AutoCAD) B.R.DHIMAN (A.O.Plng.)	संस्तुत RECM. Er. SUSHIL SHARMA (Sr.Manager)	अनुमोदित APPD. Er. DEEPAK NAKHASI (GM, CIVIL DESIGN)

HYDRO MECHANICAL DESIGN DEPTT., SHIMLA

S.No.	DATE	DESCRIPTION	DRG. No. DM-WP-D12/R1	DEC. 2011	No. HMD-04
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- NOTES:-**
- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES UNLESS OTHERWISE SPECIFIED.
 - NO DIMENSION IS TO BE SCALED OUT, ONLY WRITTEN DIMENSIONS ARE TO BE TAKEN AS CORRECT.

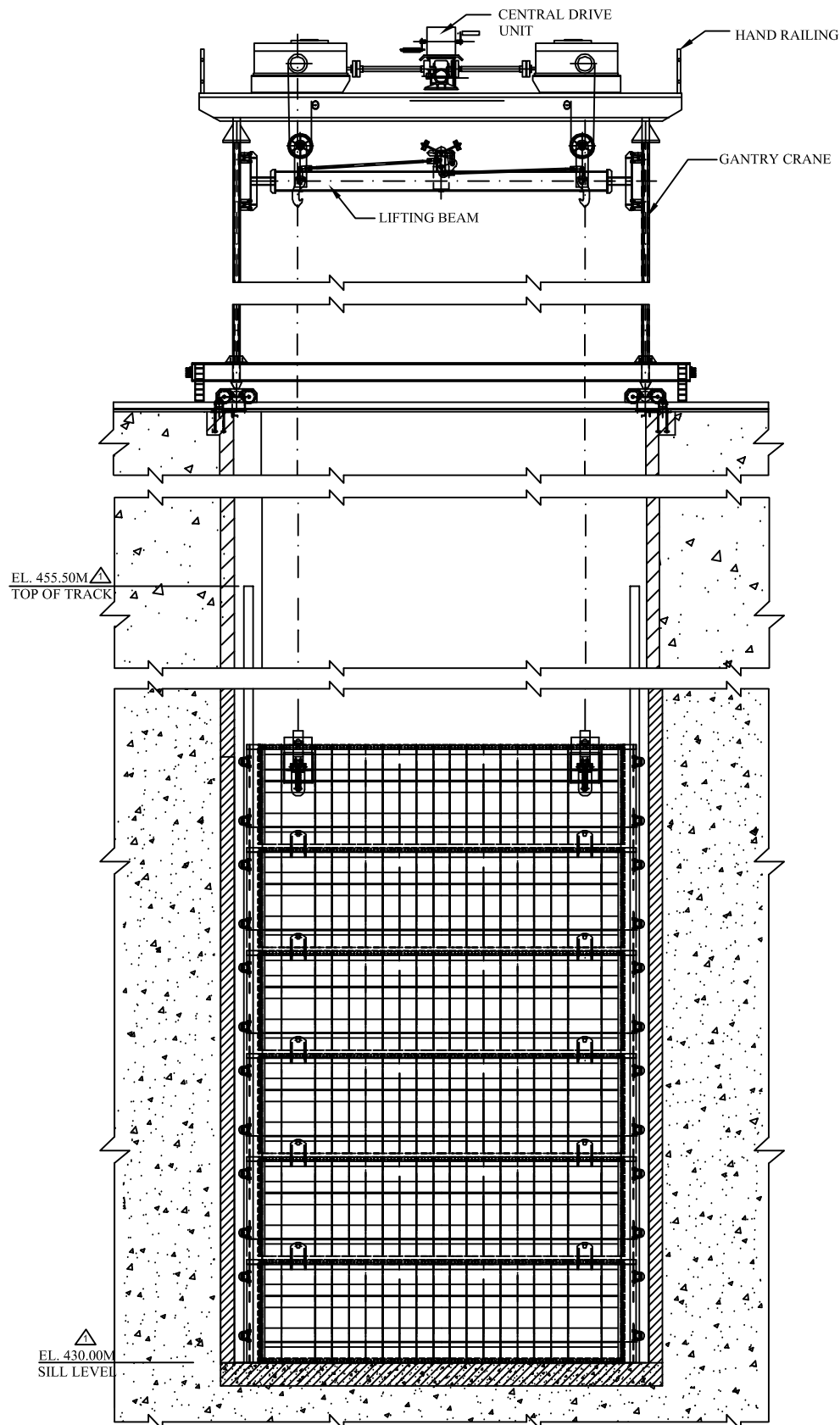
TECHNICAL DETAILS

1. No. OF OPENINGS	1
2. OPENING SIZE	6.0m(w) x 4.0m(h)
3. TYPE OF GATE	SLIDE TYPE
4. No. OF BULKHEADS	1
5. TYPE OF HOIST	GANTRY CRANE

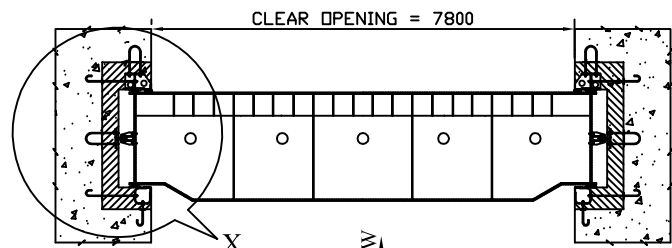
FOR DETAILED PROJECT REPORT ONLY

- LEGENDS:-**
- | | |
|----------------------------------|--|
| FIRST STAGE CONCRETE IN SECTION | |
| SECOND STAGE CONCRETE IN SECTION | |
| STEEL IN SECTION | |
| STAINLESS STEEL IN SECTION | |

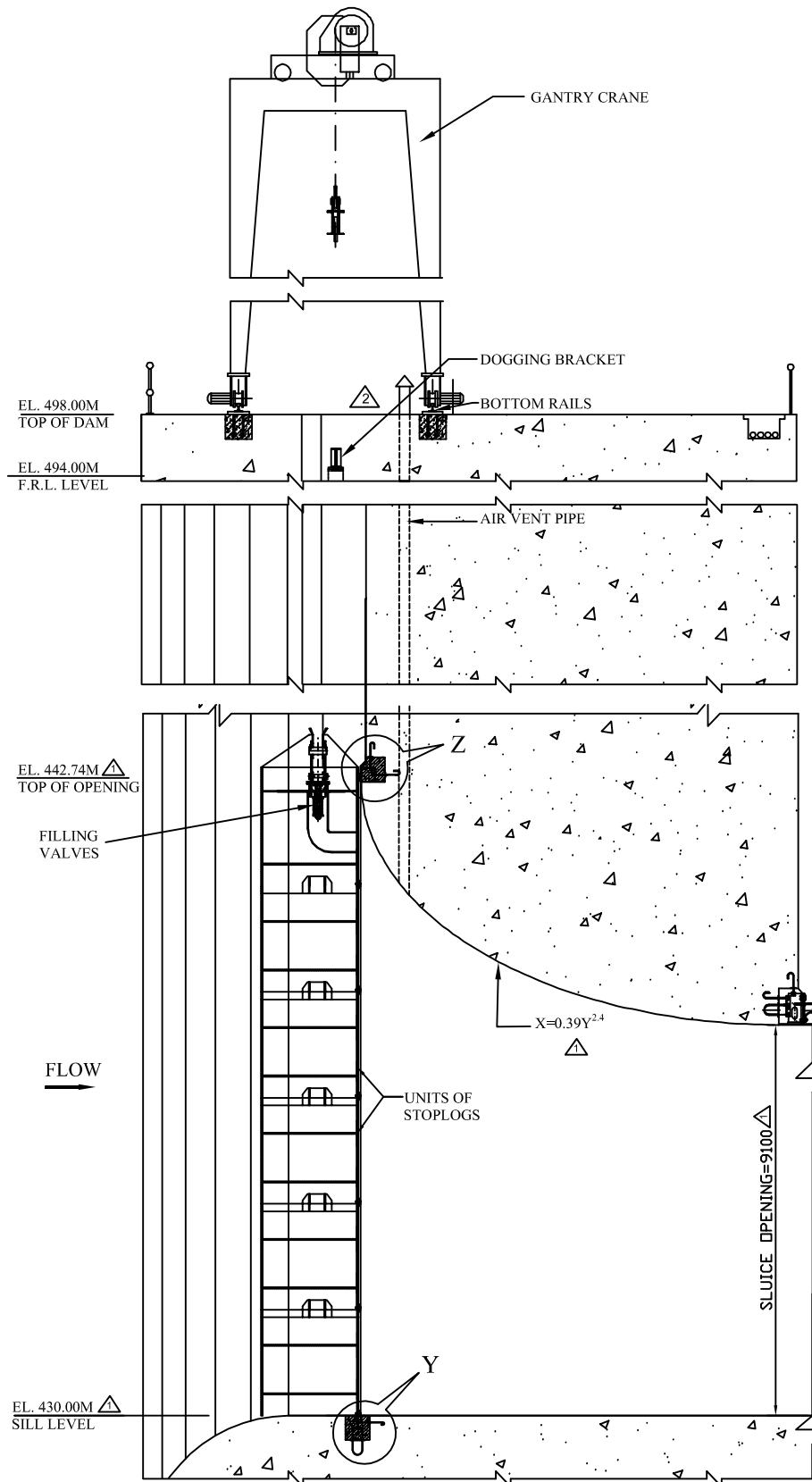
 एसजेवीएन लिमिटेड SJVN LIMITED		
वांगचू जल विद्युत परियोजना, भूटान WANGCHU HYDRO ELECTRIC PROJECT, BHUTAN		
DAM COMPLEX BULKHEAD FOR SPILLWAY FLAP GATE GENERAL INSTALLATION		
अधिकारित DSGN. Er. ARUN KUMAR (Manager)	समीक्षित CHKD. Er. ARUN KUMAR (Manager)	प्रमूत SUBM. Er. ANIL GUPTA (AGM)
रखाकित DRWN(AutoCAD) B.R.DHIMAN (A.O.Ping.)	संस्तुत RECM. Er. SUSHIL SHARMA (Sr.MANAGER)	अनुमोदित APPD. Er. DEEPAK NAKHASI (GM, CIVIL DESIGN)
HYDRO MECHANICAL DESIGN DEPTT., SHIMLA		
S.NO.	DATE	DESCRIPTION
16.04.13	REVISED AS PER COMMENTS OF CEA.	APPD
DRG. No. DM-WP-D13/R1	DEC. 2011	No. HMD-05



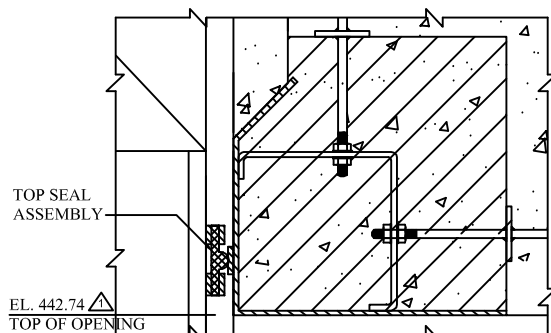
SECTION ELEVATION



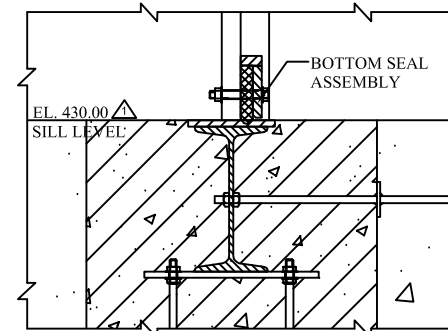
SECTIONAL PLAN



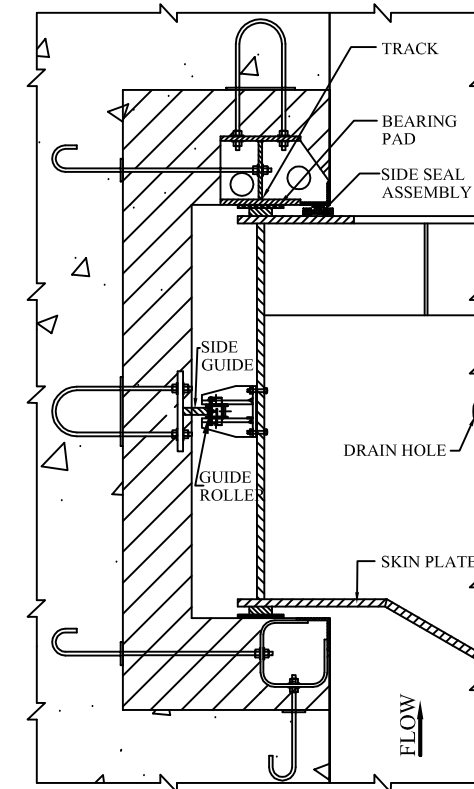
SECTION THROUGH C/L OF BAY



DETAIL-Z



DETAIL-Y



DETAIL-X

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES UNLESS OTHERWISE SPECIFIED.
- NO DIMENSION IS TO BE SCALED OUT, ONLY WRITTEN DIMENSIONS ARE TO BE TAKEN AS CORRECT.

TECHNICAL DETAILS

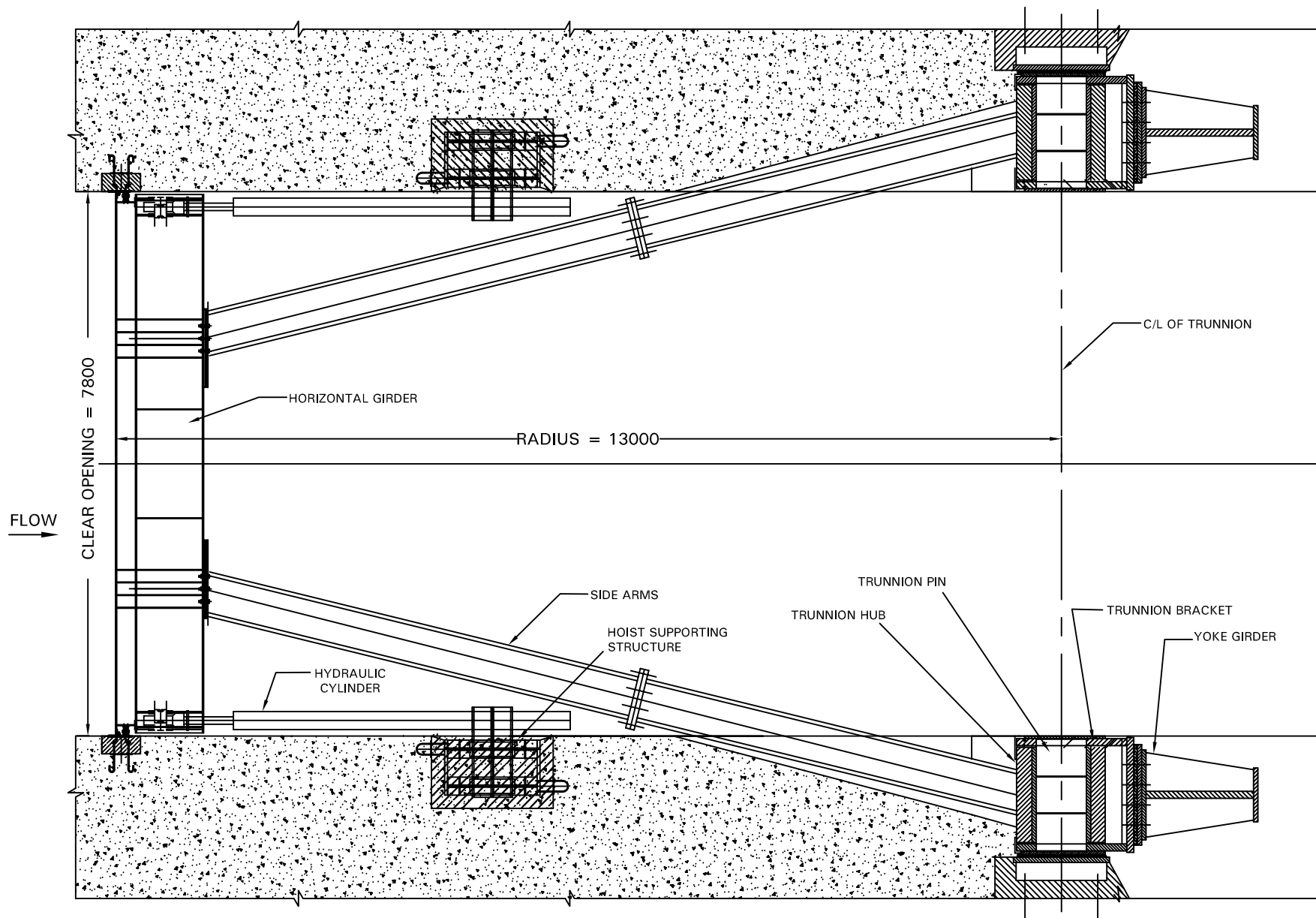
- | | |
|--------------------|-------------------------------|
| 1. No. OF OPENINGS | 7 |
| 2. OPENING SIZE | 7.80m(w) x 12.74m(h) Δ |
| 3. TYPE OF GATE | SLIDE TYPE |
| 4. No. OF SETS | 1 Set consisting of 6 units |
| 5. TYPE OF HOIST | GANTRY CRANE |

FOR DETAILED PROJECT REPORT ONLY

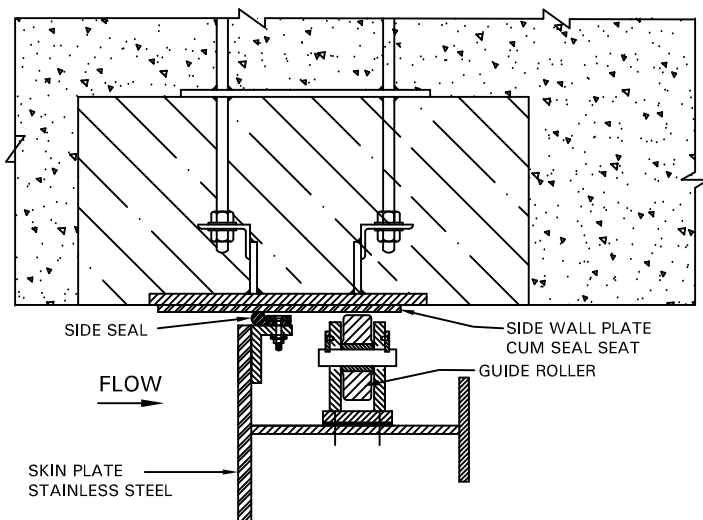
LEGENDS:-

- | | |
|----------------------------------|--|
| FIRST STAGE CONCRETE IN SECTION | |
| SECOND STAGE CONCRETE IN SECTION | |
| STEEL IN SECTION | |
| STAINLESS STEEL IN SECTION | |

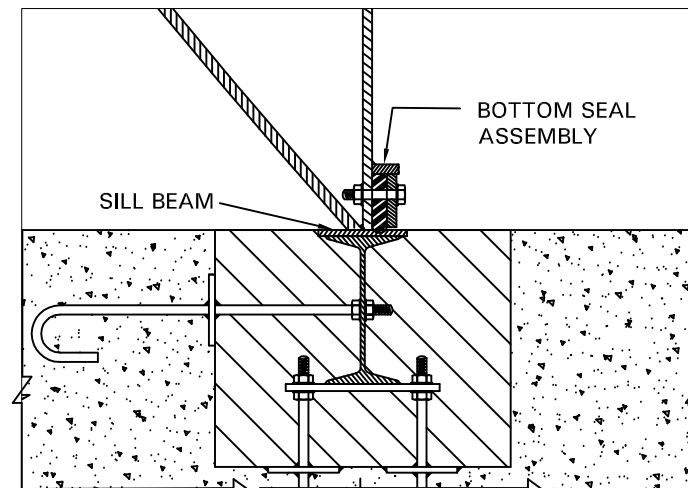
 एसजेवीएन लिमिटेड SJVN LIMITED		
वांगचू जल विद्युत परियोजना, भूटान WANGCHU HYDRO ELECTRIC PROJECT, BHUTAN		
DAM COMPLEX STOPLOGS FOR RADIAL SLUICE GATES GENERAL ARRANGEMENT		
अधिकारिता DESIGN: Er. SANJEEV SHARMA (Sr. ENGINEER)	समीक्षा CHECKED Er. ARUN KUMAR (MANAGER)	संस्था SUBM. Er. ANIL GUPTA (AGM)
रजिस्ट्रार DRWN(AUTOCAD) B.R.CHHIMAN (A.O. Plng.)	प्रमाणित REC'D. Er. SUSHIL SHARMA (Sr. MANAGER)	अनुमोदित APPRO. Er. DEEPAK NAKHASI (GM,CIVIL DESIGN)
HYDRO MECHANICAL DESIGN DEPTT., SHIMLA		
S.No.	DATE	DESCRIPTION
2	16.04.13	REVISED AS PER COMMENTS OF CEA.
1	05.03.13	REVISED DUE TO CHANGE IN DAM SECTION.
DRG. No. DM-WP-D10/R2	DEC. 2011	No. HMD-01



TYPICAL PLAN (ANCHOR GIRDER NOT SHOWN)



SIDE SEAL ASSEMBLY DETAIL



BOTTOM SEAL ASSEMBLY

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES UNLESS OTHERWISE SPECIFIED.
- NO DIMENSION IS TO BE SCALED OUT, ONLY WRITTEN DIMENSIONS ARE TO BE TAKEN AS CORRECT.

TECHNICAL DETAILS

1. No. OF OPENINGS	7
2. OPENING SIZE	7.80m(w) x 9.10m(h) Δ
3. TYPE OF GATE	RADIAL GATE
4. No. OF GATES	7
5. TYPE OF HOIST	HYDRAULIC HOIST

FOR DETAILED PROJECT REPORT ONLY

LEGENDS:-

FIRST STAGE CONCRETE IN SECTION	
SECOND STAGE CONCRETE IN SECTION	
STEEL IN SECTION	
STAINLESS STEEL IN SECTION	



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SJVN LIMITED

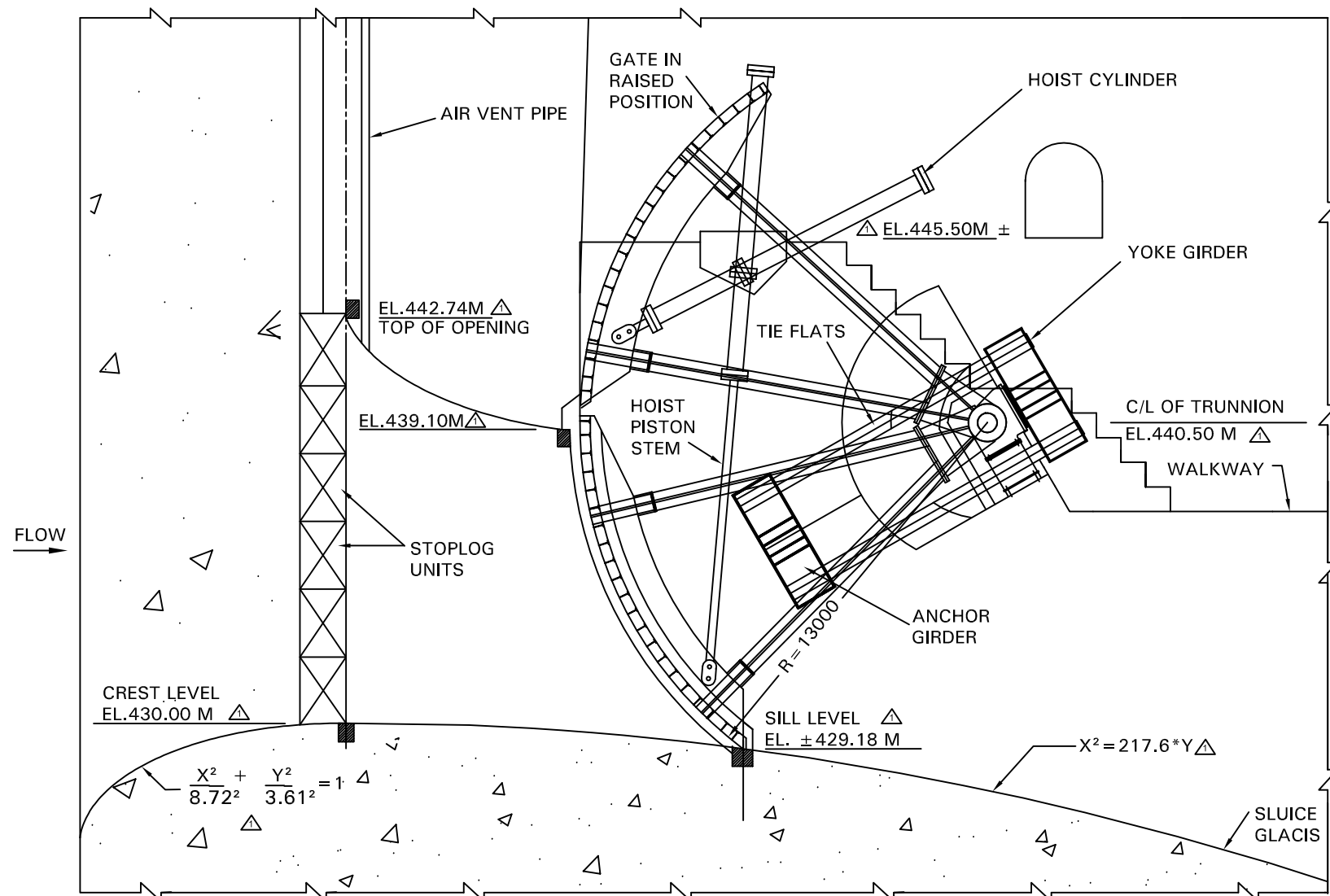
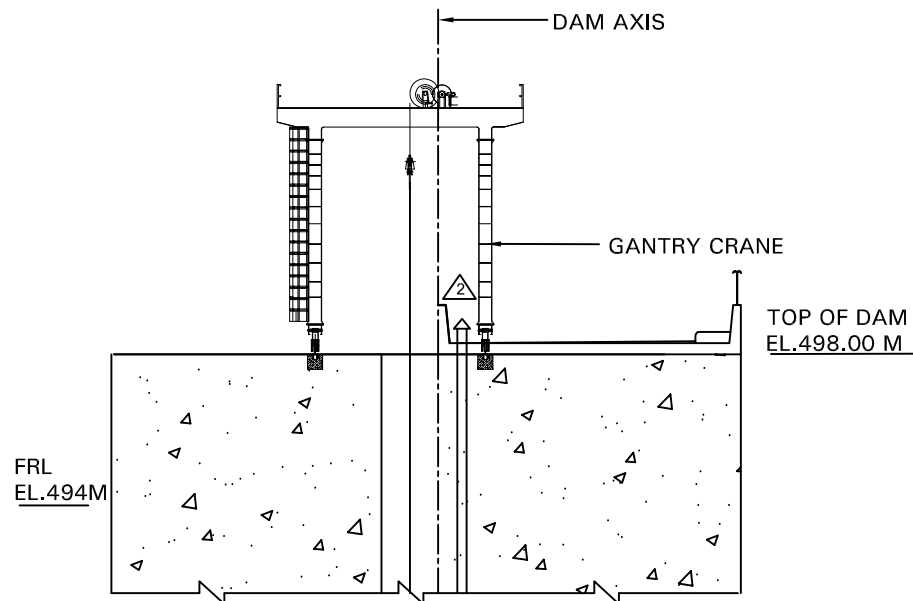
वांगचू जल विद्युत परियोजना, भूटान
WANGCHU HYDRO ELECTRIC PROJECT, BHUTAN

DAM COMPLEX
RADIAL SLUICE GATES
GENERAL ARRANGEMENT (SHEET 2 OF 2)

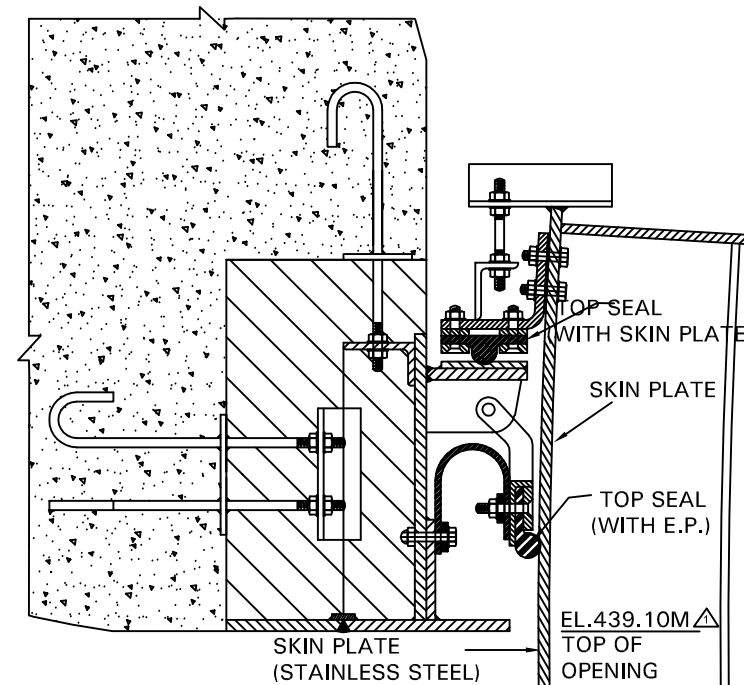
अधिकृत DESIGN: Er. SANJEEV SHARMA (Sr. ENGINEER) निराकर DRWN(AUTOCAD) B.R.DHIMAN (A.O. Png.)	समीक्षित CHECKED Er. ARUN KUMAR (MANAGER) संयुक्त RECD Er. SUSHIL SHARMA (Sr. MANAGER)	स्वीकृत SUBM. Er. ANIL GUPTA (AGM) अनुमोदित APPD. Er. DEEPAK NAKHASI (GM, CIVIL DESIGN)
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HYDRO MECHANICAL DESIGN DEPT., SHIMLA

Δ	05.03.13	REVISED DUE TO CHANGE IN DAM SECTION.		DRG. No. DM-WP-D11/R1	DEC. 2011	No. HMD-03
S.No.	DATE	DESCRIPTION	APPD.			



SLUICE RADIAL GATE- TYPICAL ELEVATION



TOP SEAL ASSEMBLY

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES UNLESS OTHERWISE SPECIFIED.
- NO DIMENSION IS TO BE SCALED OUT, ONLY WRITTEN DIMENSIONS ARE TO BE TAKEN AS CORRECT.

TECHNICAL DETAILS

- | | |
|--------------------|-----------------------|
| 1. No. OF OPENINGS | 7 |
| 2. OPENING SIZE | 7.80m(w) x 9.10m(h) Δ |
| 3. TYPE OF GATE | RADIAL GATE |
| 4. No. OF GATES | 7 |
| 5. TYPE OF HOIST | HYDRAULIC HOIST |

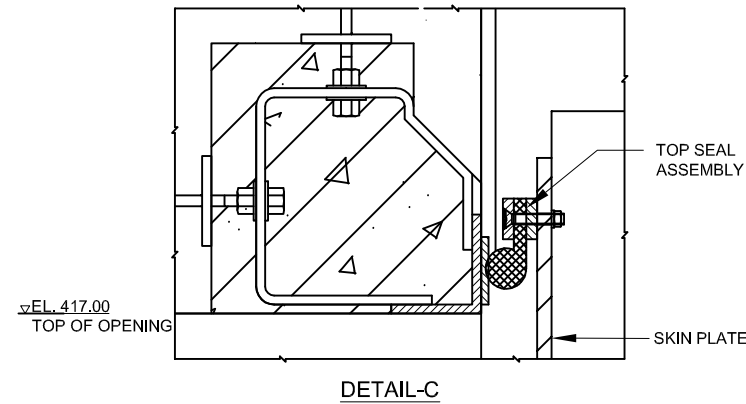
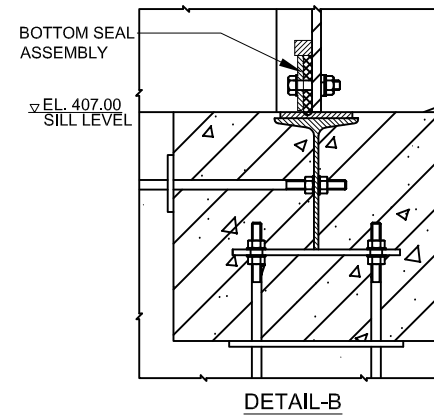
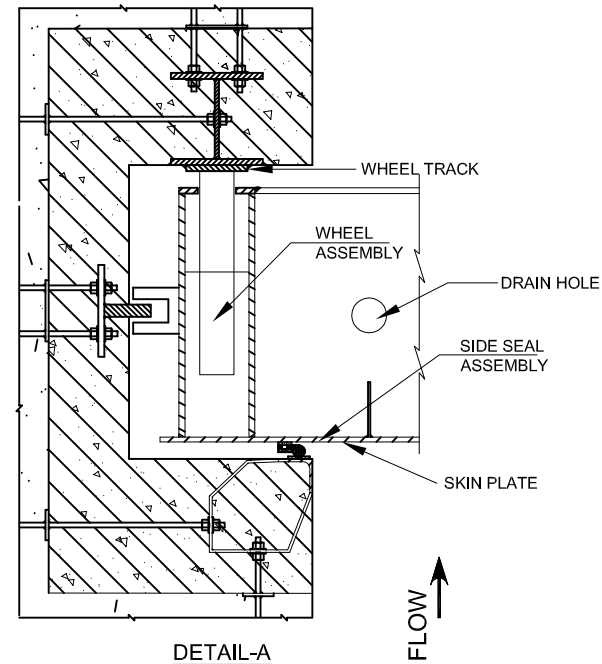
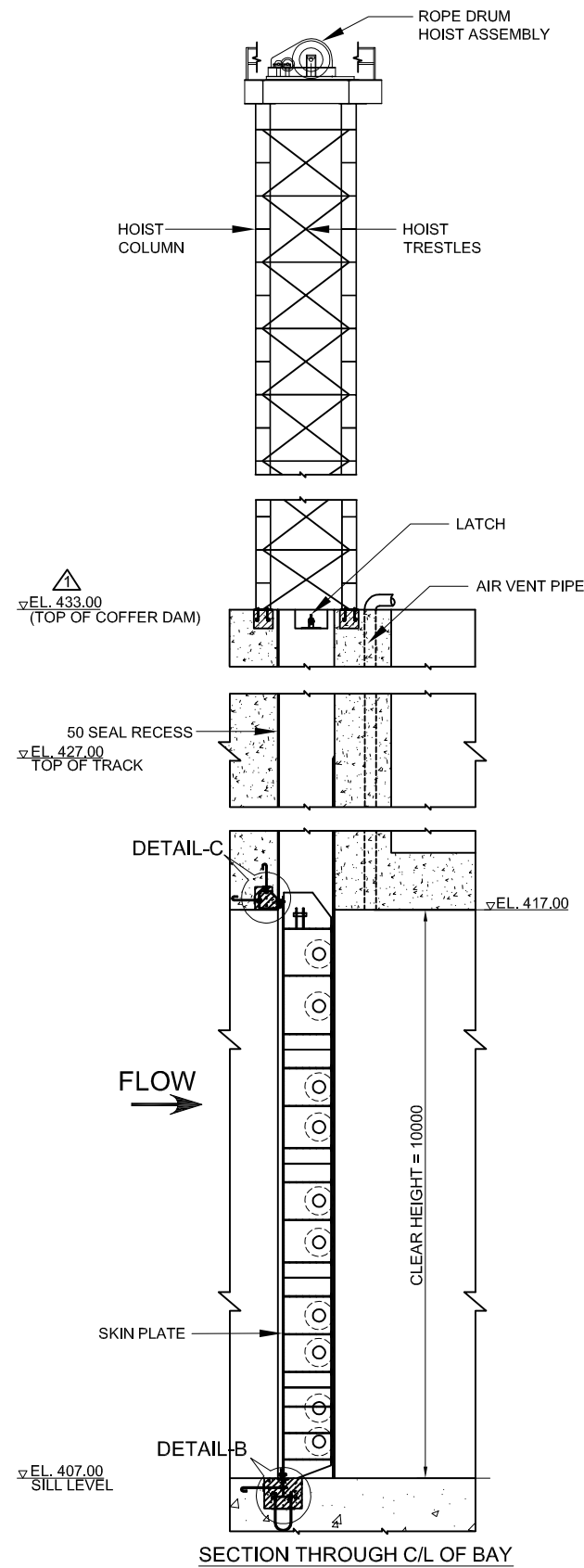
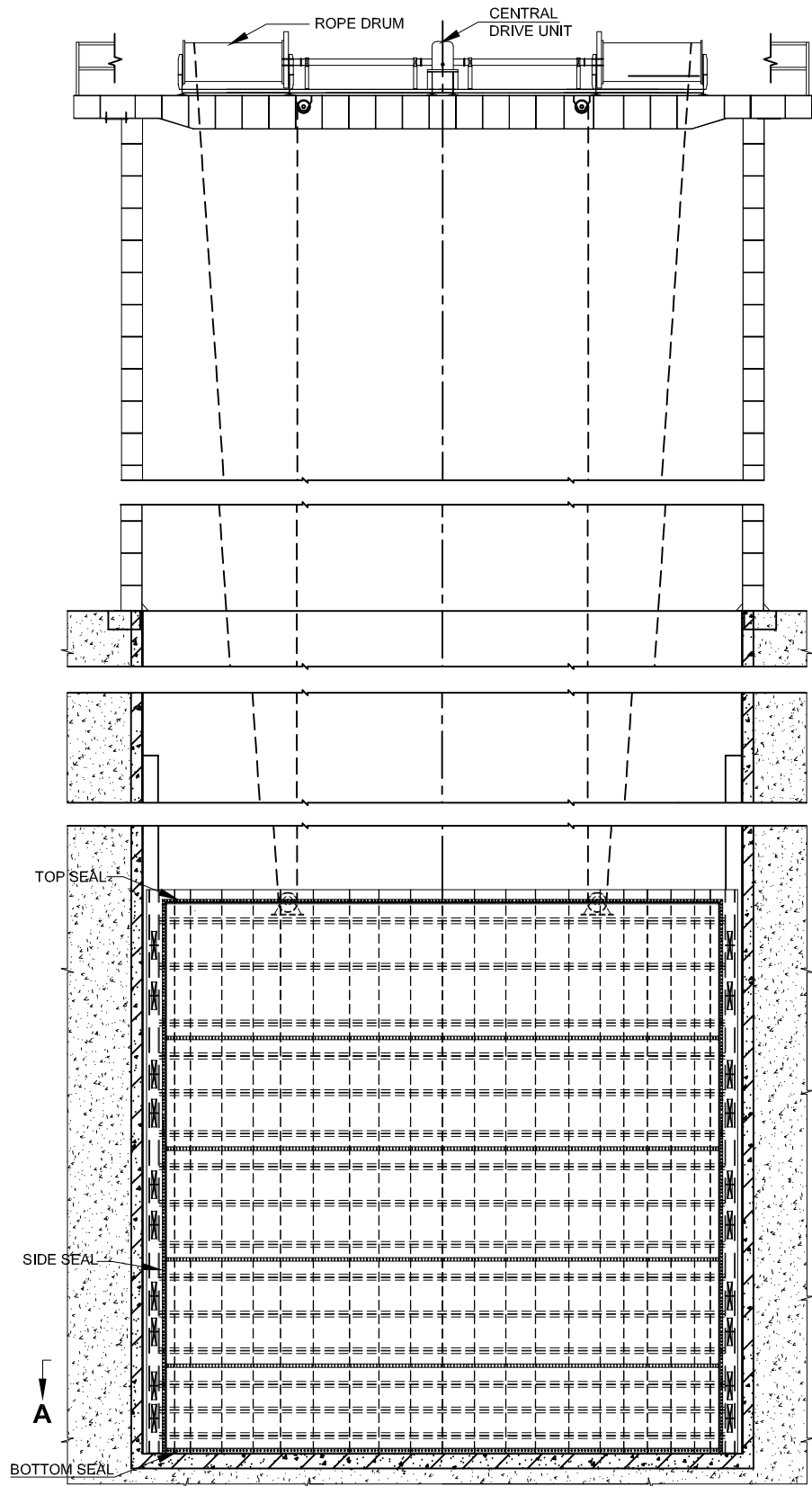
FOR DETAILED PROJECT REPORT ONLY

LEGENDS:-

FIRST STAGE CONCRETE IN SECTION	
SECOND STAGE CONCRETE IN SECTION	
STEEL IN SECTION	
STAINLESS STEEL IN SECTION	

 एसजेवीएन लिमिटेड SJVN LIMITED		
वांगचू जल विद्युत परियोजना, भूटान		
WANGCHU HYDRO ELECTRIC PROJECT, BHUTAN		
DAM COMPLEX		
RADIAL SLUICE GATES		
GENERAL ARRANGEMENT (SHEET 1 OF 2)		
अधिकृत DESIGN: Er. SANJEEV SHARMA (Sr. ENGINEER) रचित DRWN(AUTOCAD) B.R.DHIMAN (A.O. Png.)	परिचित CHECKED Er. ARUN KUMAR (MANAGER) पुष्ट RECD Er. SUSHIL SHARMA (Sr. MANAGER)	पुष्ट SUBM. Er. ANIL GUPTA (AGM) स्वीकृत APPD. Er. DEEPAK NAKHASI (GM, CIVIL DESIGN)
HYDRO MECHANICAL DESIGN DEPT., SHIMLA		
DRG. No. DM-WP-D11/R2	DEC. 2011	No. HMD-02

No. HMD-02



NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES UNLESS OTHERWISE SPECIFIED.
- NO DIMENSION IS TO BE SCALED OUT, ONLY WRITTEN DIMENSIONS ARE TO BE TAKEN AS CORRECT.

TECHNICAL DETAILS

- | | |
|--------------------|---------------------|
| 1. No. OF OPENINGS | 2 |
| 2. OPENING SIZE | 10.0m(w) x 10.0m(h) |
| 3. TYPE OF GATE | FIXED WHEEL TYPE |
| 4. No. OF GATES | 2 |
| 5. TYPE OF HOIST | ROPE DRUM HOIST |

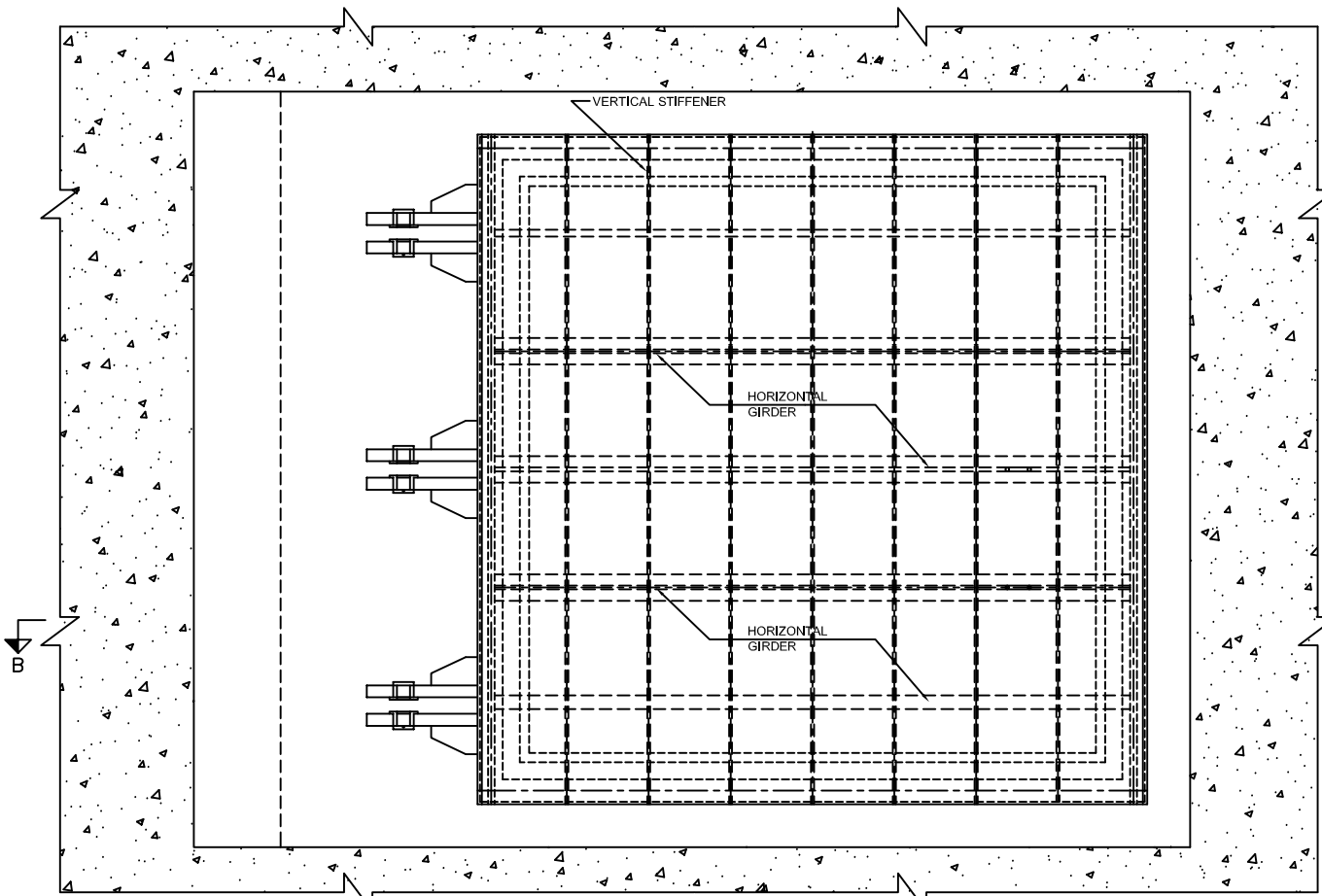
FOR DETAILED PROJECT REPORT ONLY

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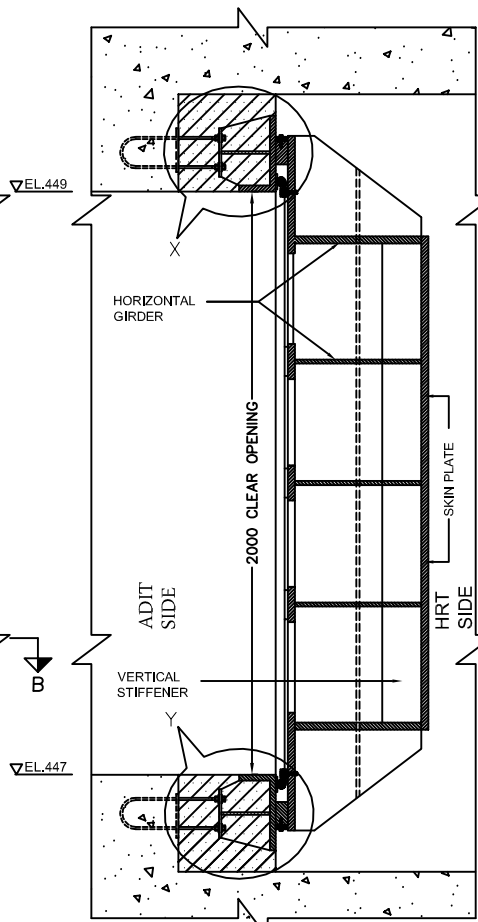
- | | |
|----------------------------------|--|
| FIRST STAGE CONCRETE IN SECTION | |
| SECOND STAGE CONCRETE IN SECTION | |
| STEEL IN SECTION | |
| STAINLESS STEEL IN SECTION | |

 एसजेवीएन लिमिटेड SJVN LIMITED		
वांगचू जल विद्युत परियोजना, भूटान WANGCHU HYDRO ELECTRIC PROJECT, BHUTAN		
DAM COMPLEX DIVERSION TUNNEL GATE GENERAL ARRANGEMENT		
अधिकृत DESIGN, Er. SANJEEV SHARMA (SR. ENGINEER)	परीक्षित CHECKED Er. ARUN KUMAR (MANAGER)	प्रसूत SUBM. Er. ANIL GUPTA (AGM)
रेखांकित DRWN(AUTOCAD) Sh. YASHPAL SHARMA (A.O. Png)	RECD. Er. SUSHIL SHARMA (SR. MANAGER)	अनुमोदित APPD. Er. DEEPAK NAKHASI (GM, CIVIL DESIGN)
HYDRO MECHANICAL DESIGN DEPTT., SHIMLA		
S.No.	DATE	DESCRIPTION
APPD	DRG. No. DM-WP-D14/R1	DEC., 2011
		No. HMD-06

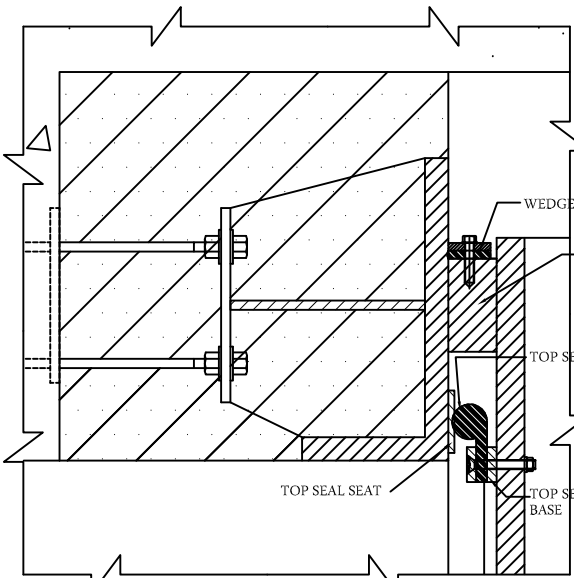
	16.04.13	REVISED AS PER COMMENTS OF CEA.	
S.No.	DATE	DESCRIPTION	APPD



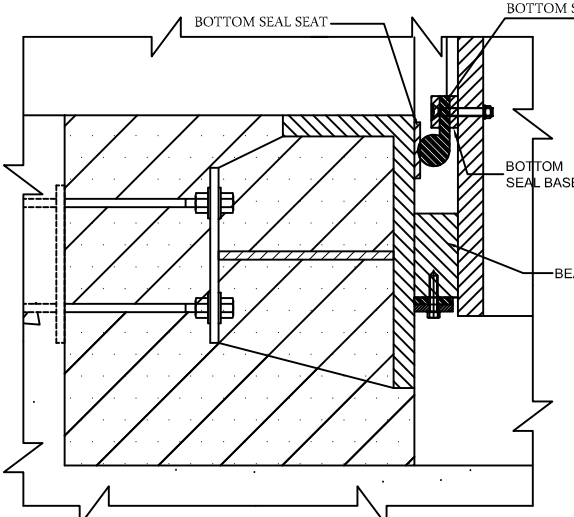
ELEVATION AT C-C



SECTION THROUGH C/L OF BAY



DETAIL -X



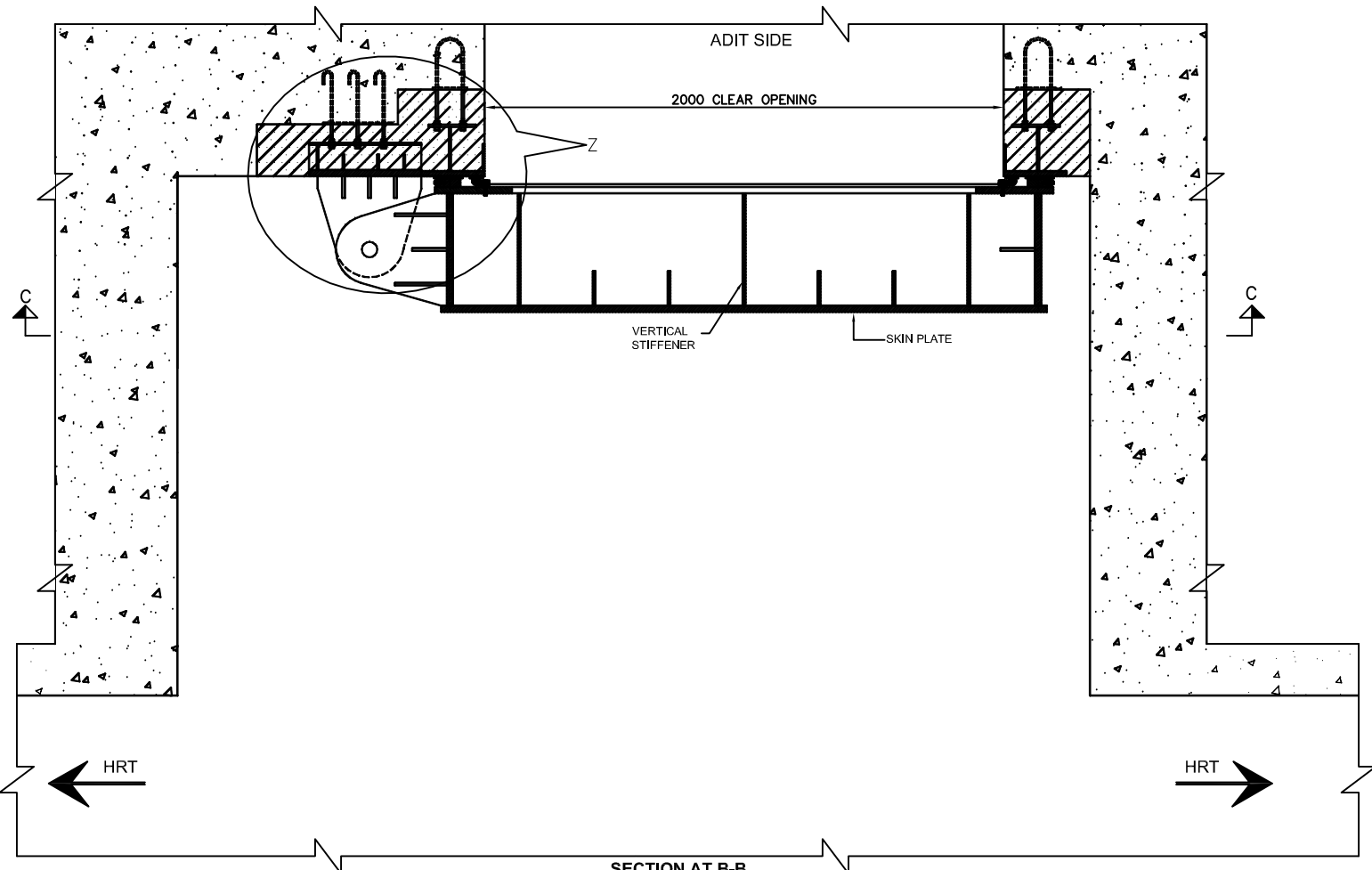
DETAIL-Y

NOTES:-

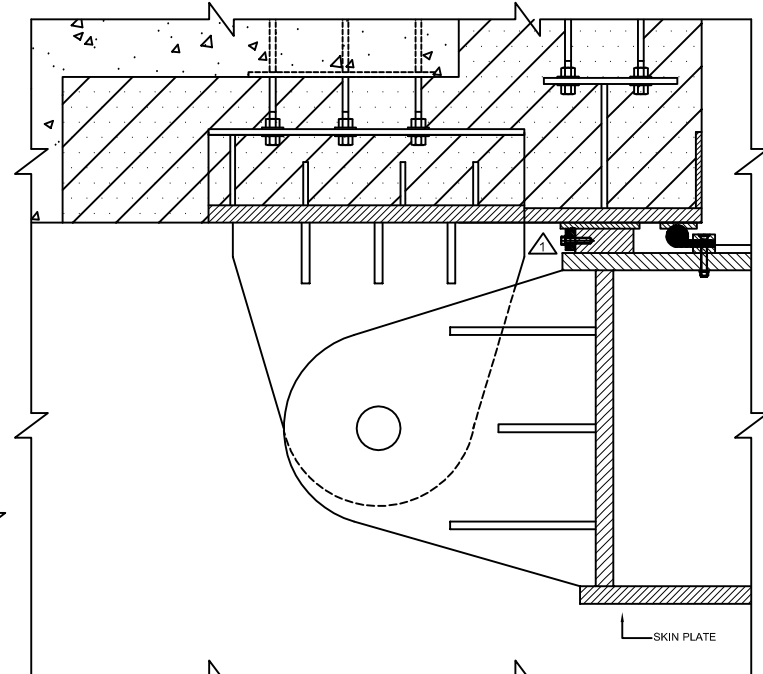
- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES UNLESS OTHERWISE SPECIFIED.
- NO DIMENSION IS TO BE SCALED OUT, ONLY WRITTEN DIMENSIONS ARE TO BE TAKEN AS CORRECT.

TECHNICAL DETAILS

- OPENING SIZE 2.0m(w) x 2.0m(h)
- TYPE HINGED TYPE
- No. OF GATES 1



SECTION AT B-B



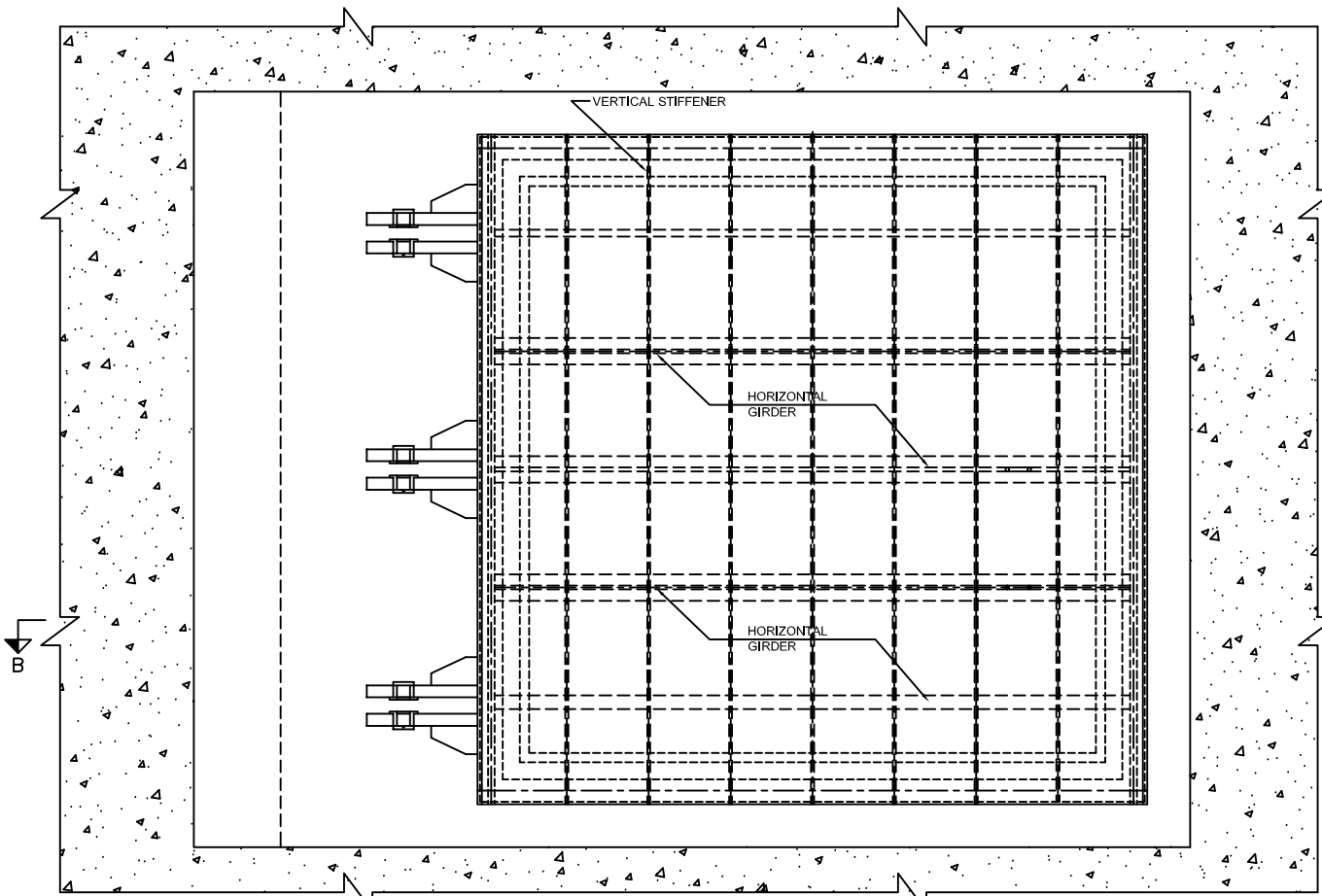
DETAIL - Z

FOR DETAILED PROJECT REPORT ONLY

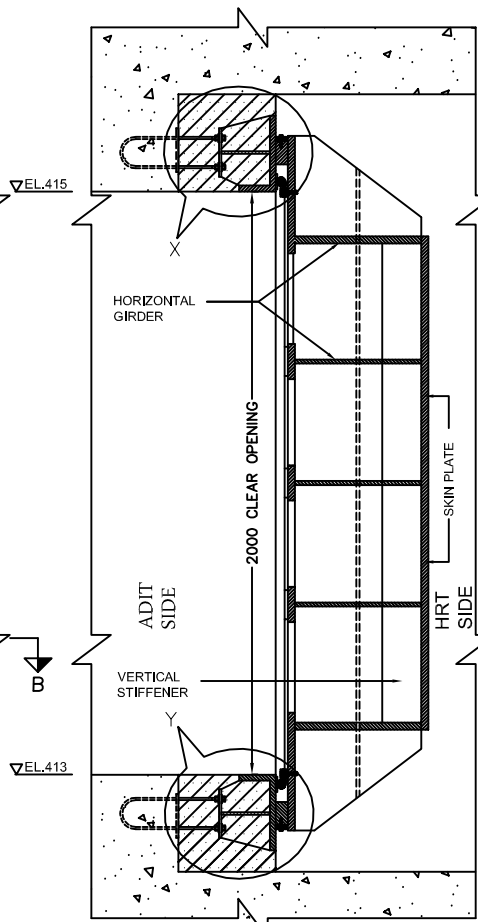
LEGENDS:-

- FIRST STAGE CONCRETE IN SECTION
- SECOND STAGE CONCRETE IN SECTION
- STEEL IN SECTION
- STAINLESS STEEL IN SECTION

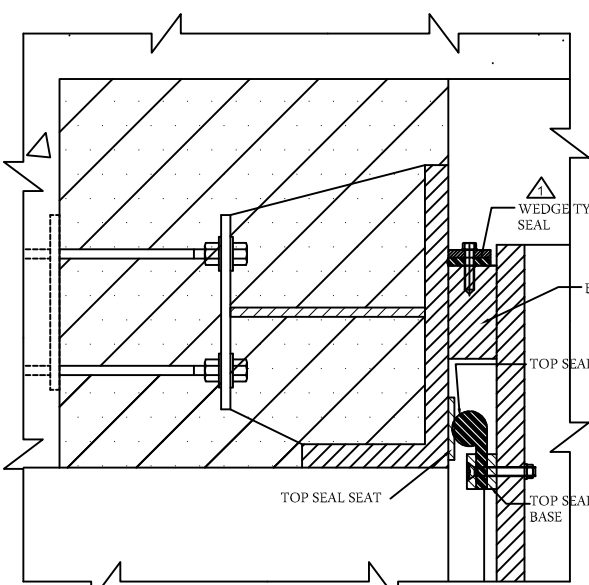
REVISED AS PER COMMENTS OF CEA.	APPD.	 एसजेवीएन लिमिटेड SJVN LIMITED		
		वांगचू जल विद्युत परियोजना, भूटान WANGCHU HYDRO ELECTRIC PROJECT, BHUTAN		
		HEADRACE TUNNEL HINGED GATE AT ADIT-II GENERAL ARRANGEMENT		
		अभिेकलिप्त DESIGN Er. SANJEEV SHARMA (SR. ENGINEER) रगकित DRWN(AUTOCAD) SIN. YASHPAUL SHARMA (A.O. Png.)	रगकित CHECKED Er. ARUN KUMAR (MANAGER) रगकित RECD. Er. SUSHIL SHARMA (SR. MANAGER)	रगकित SUBM. Er. ANIL GUPTA (AGM) अनुमोदित APPD. Er. DEEPAK NAKHASI (GM, CIVIL DESIGN)
25.04.13	DATE	HYDROMECHANICAL DESIGN DEPTT., SHIMLA		
	S.No.	DRG. No. HT-WP-D21/R1	DEC. 2011	No. HMD-13



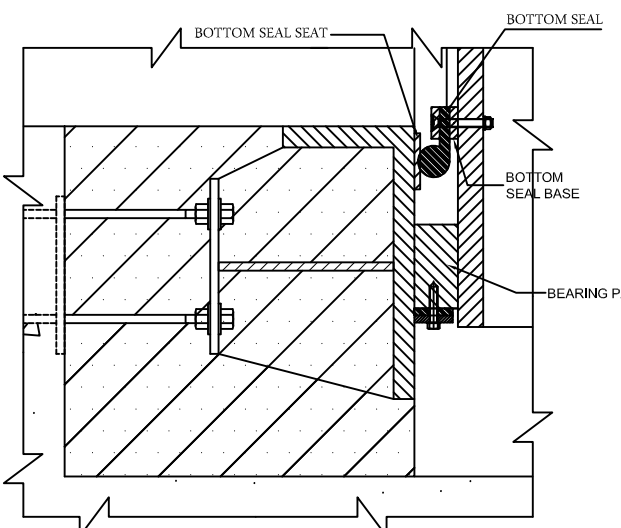
ELEVATION AT C-C



SECTION THROUGH C/L OF BAY



DETAIL -X



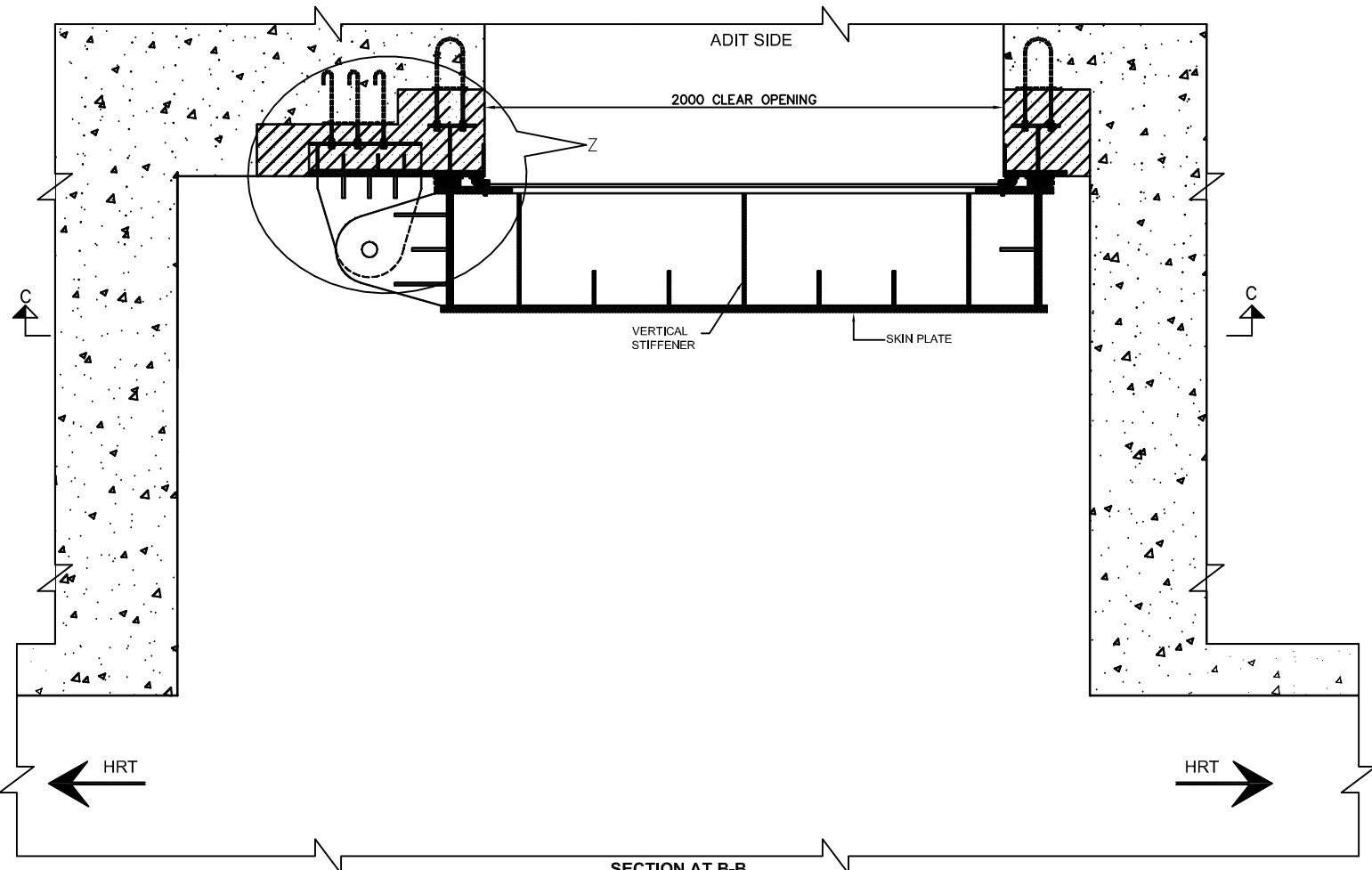
DETAIL-Y

NOTES:-

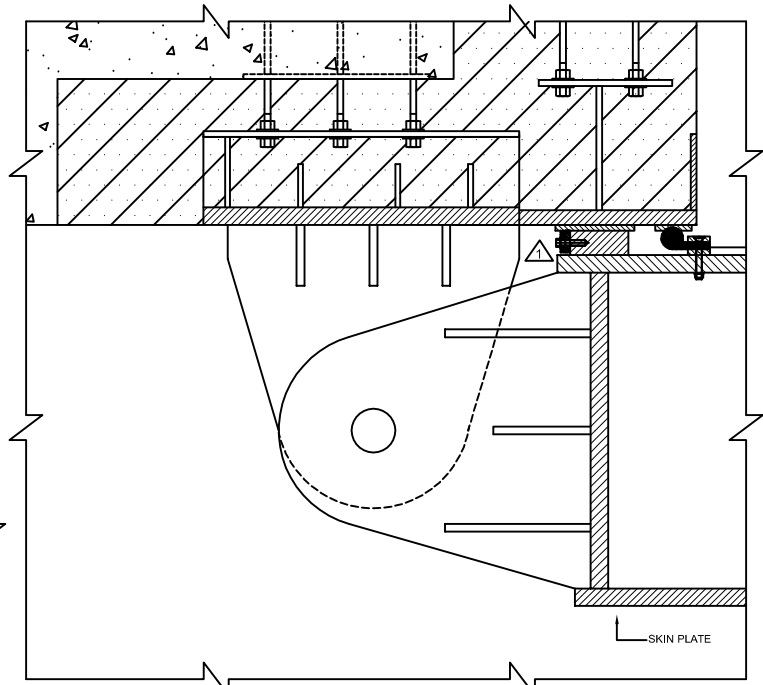
- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES UNLESS OTHERWISE SPECIFIED.
- NO DIMENSION IS TO BE SCALED OUT, ONLY WRITTEN DIMENSIONS ARE TO BE TAKEN AS CORRECT.

TECHNICAL DETAILS

- OPENING SIZE 2.0m(w) x 2.0m(h)
- TYPE HINGED TYPE
- No. OF GATES 1



SECTION AT B-B



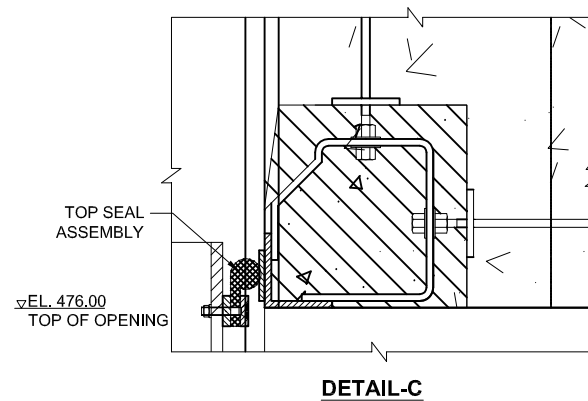
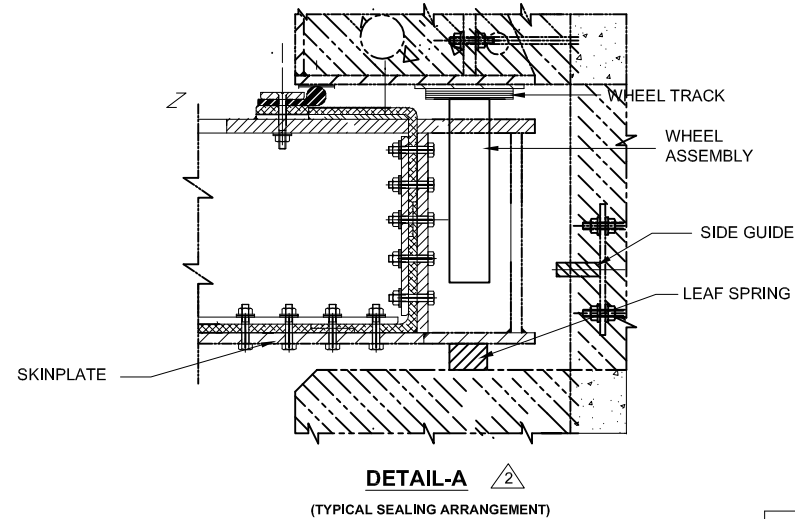
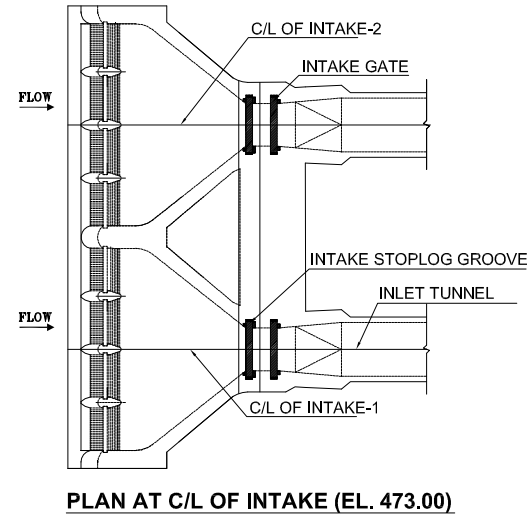
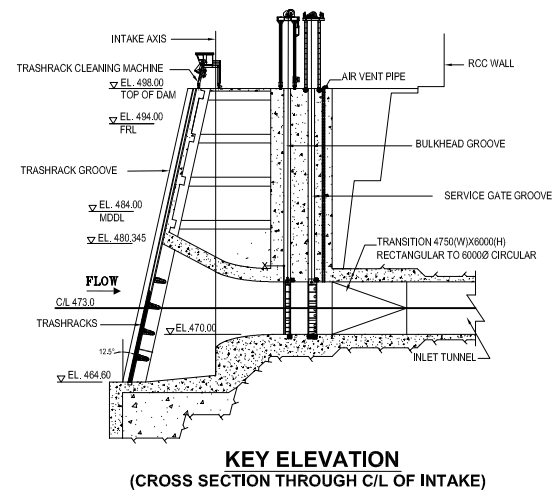
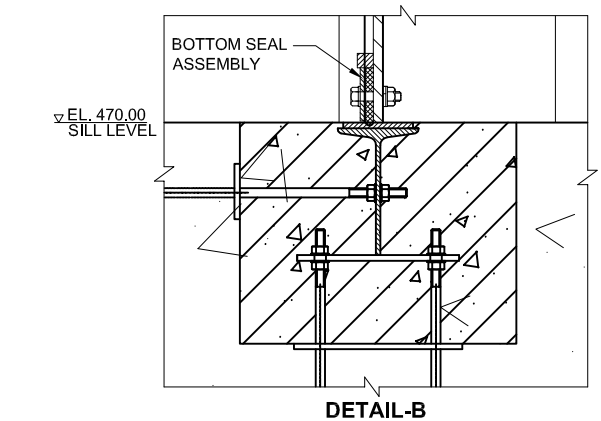
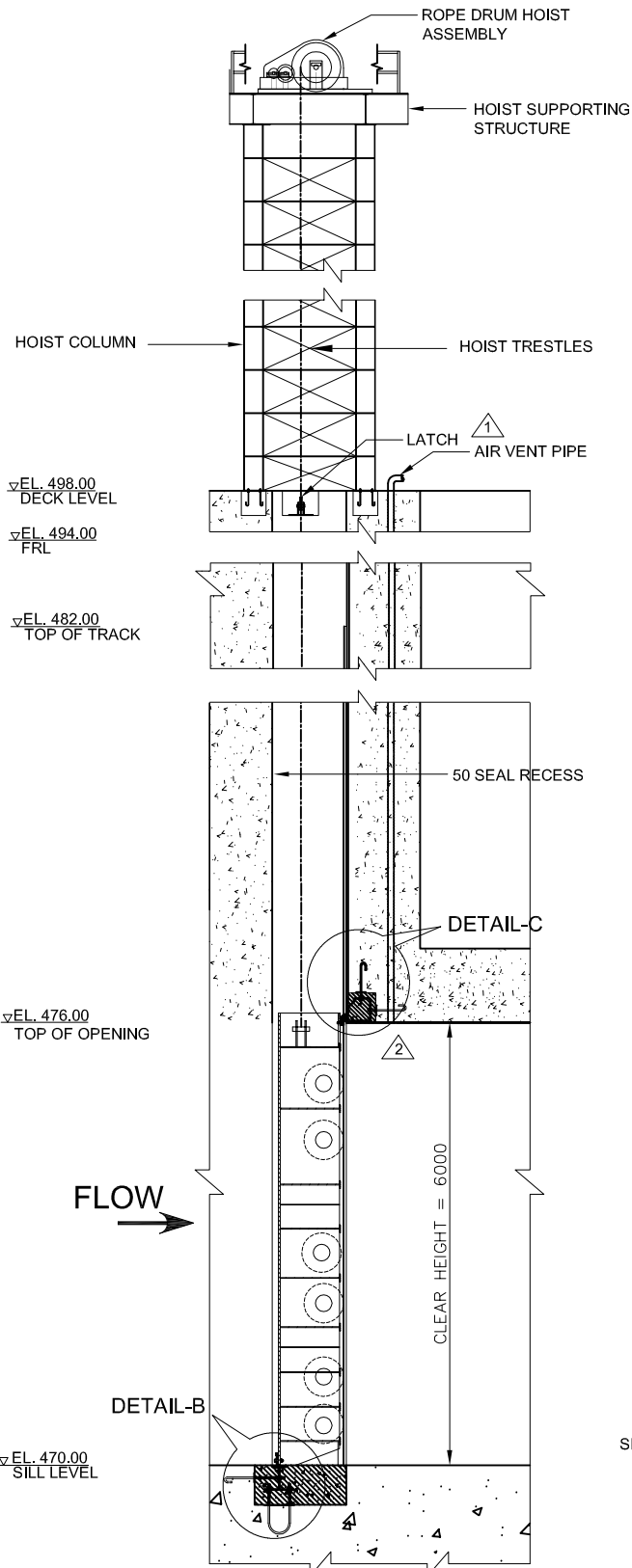
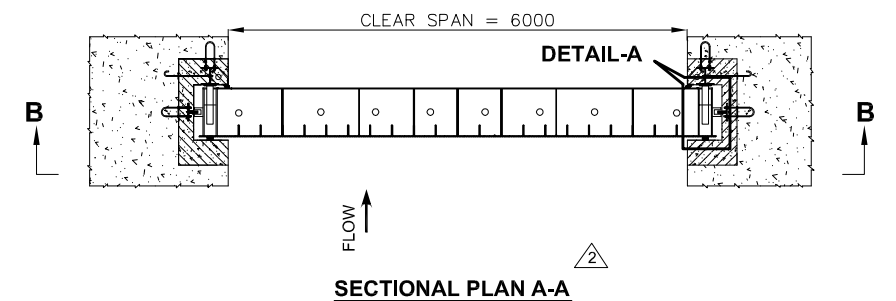
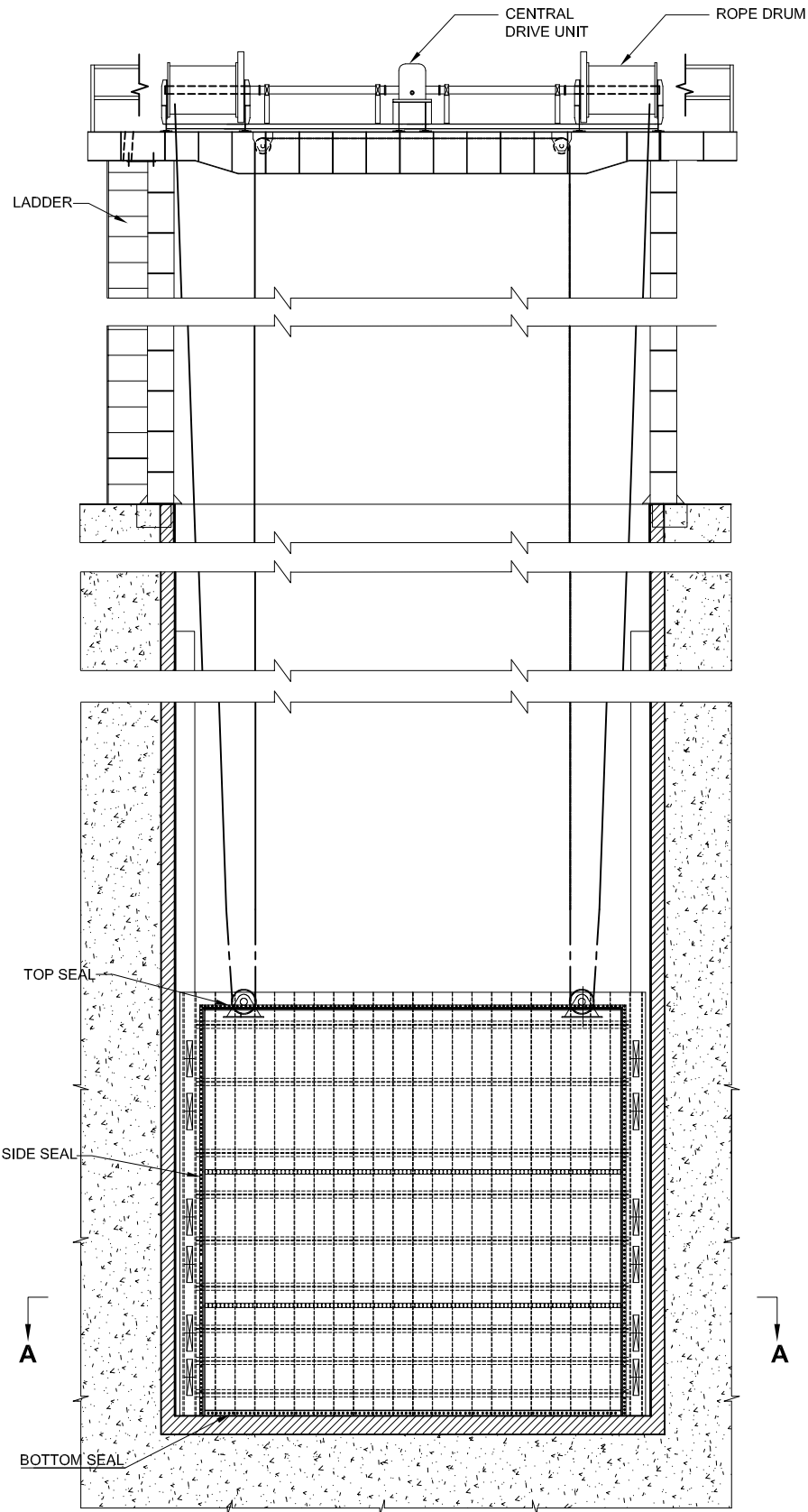
DETAIL-Z

FOR DETAILED PROJECT REPORT ONLY

LEGENDS:-

- FIRST STAGE CONCRETE IN SECTION
- SECOND STAGE CONCRETE IN SECTION
- STEEL IN SECTION
- STAINLESS STEEL IN SECTION

REVISED AS PER COMMENTS OF CEA.	APPD.	 एसजेवीएन लिमिटेड SJVN LIMITED		
		वांगचू जल विद्युत परियोजना, भूटान WANGCHU HYDRO ELECTRIC PROJECT, BHUTAN		
		HEADRACE TUNNEL HINGED GATE AT ADIT-IV GENERAL ARRANGEMENT		
		अभिषेक DESIGN, Er. SANJEEV SHARMA (SR. ENGINEER) रजनी DRWN(AUTOCAD) Sri. YASHPAUL SHARMA (A.O., Png.)	समीक्षा CHECKED Er. ARUN KUMAR (MANAGER) रजनी RECD. Er. SUSHIL SHARMA (SR. MANAGER)	पुनर्वि SUBM. Er. ANIL GUPTA (AGM) अनुमति APPD. Er. DEEPAK NAKHASI (GM, CIVIL DESIGN)
25.04.13	DATE	HYDROMECHANICAL DESIGN DEPTT., SHIMLA		
△	S.No.	DRG. No. HT-WP-D22/R1	DEC. 2011	No. HMD-14



NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETRES AND ELEVATIONS IN METRES UNLESS OTHERWISE SPECIFIED.
- NO DIMENSION IS TO BE SCALED OUT, ONLY WRITTEN DIMENSIONS ARE TO BE TAKEN AS CORRECT.

TECHNICAL DETAILS

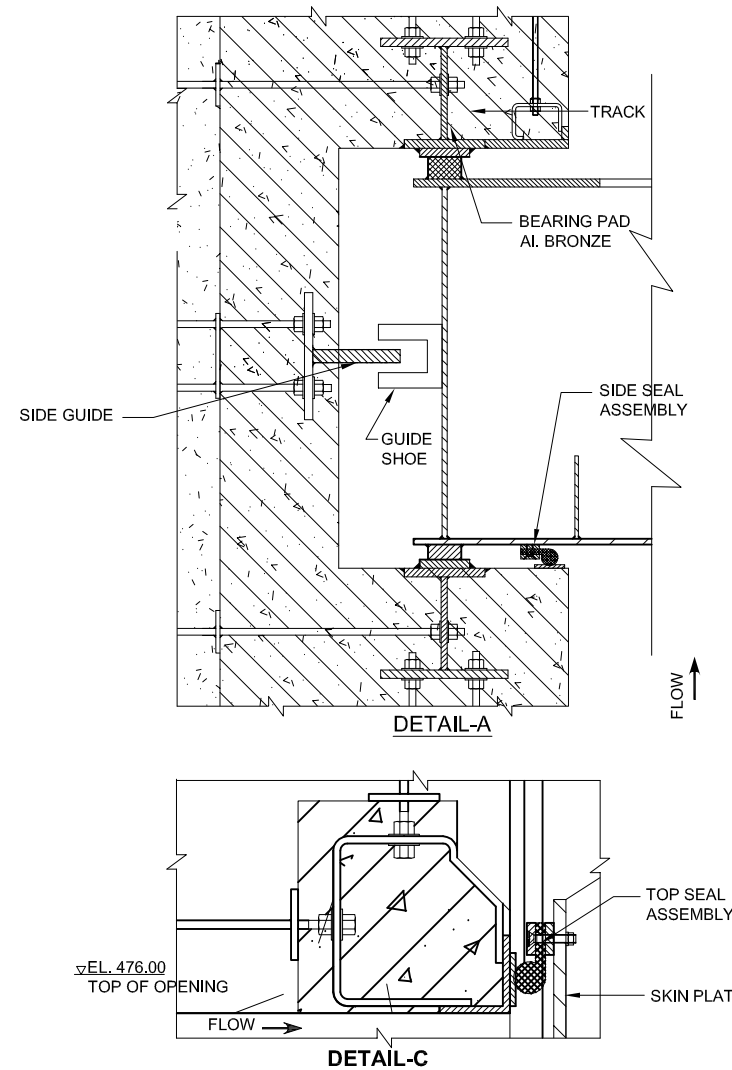
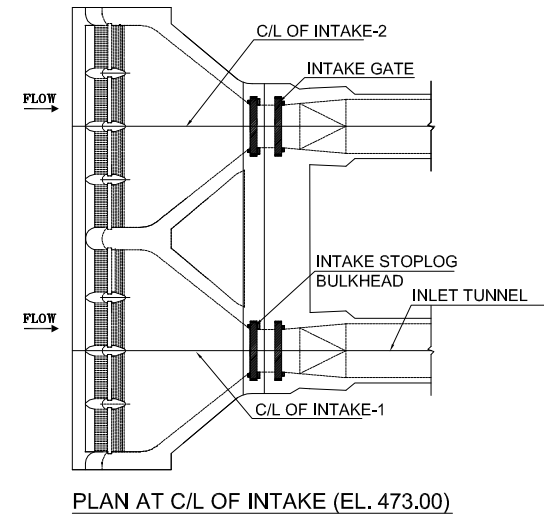
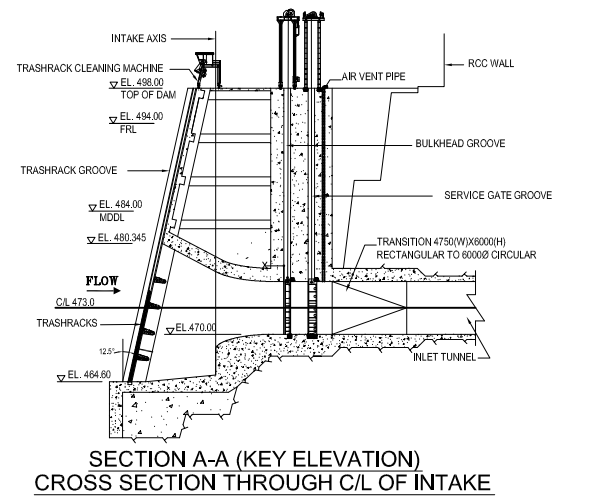
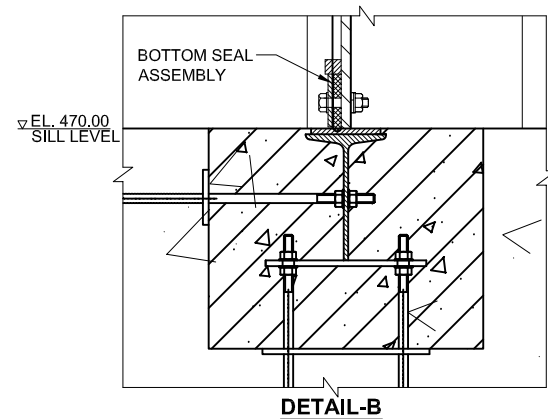
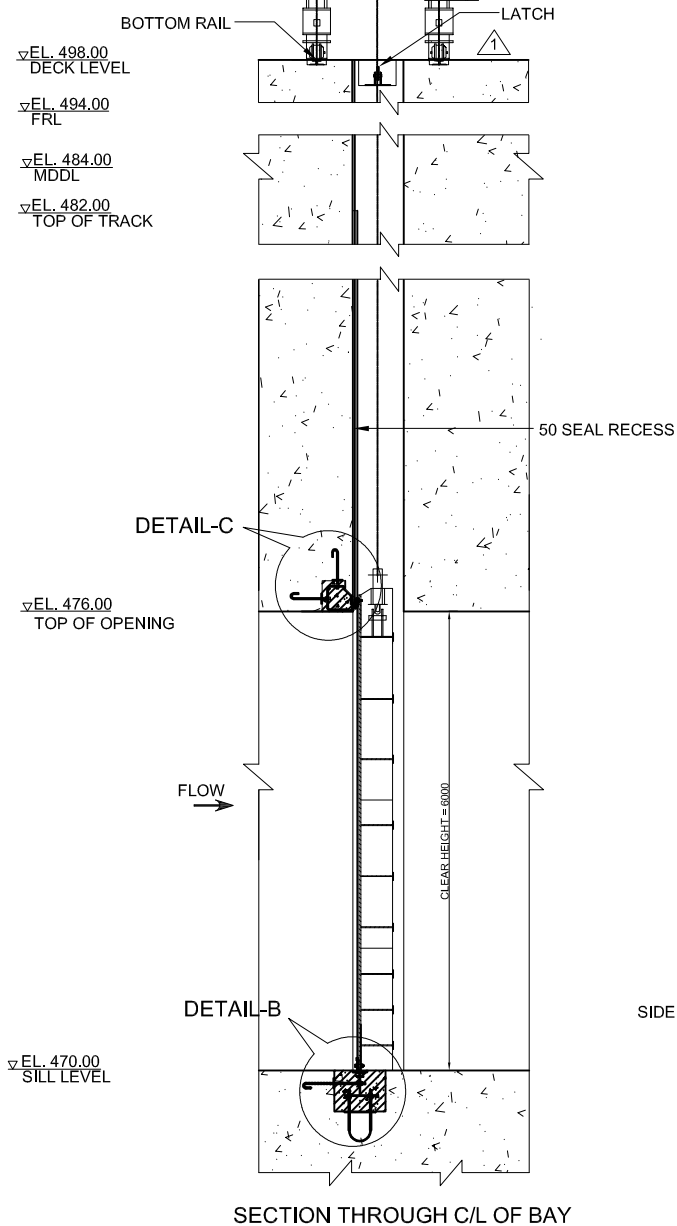
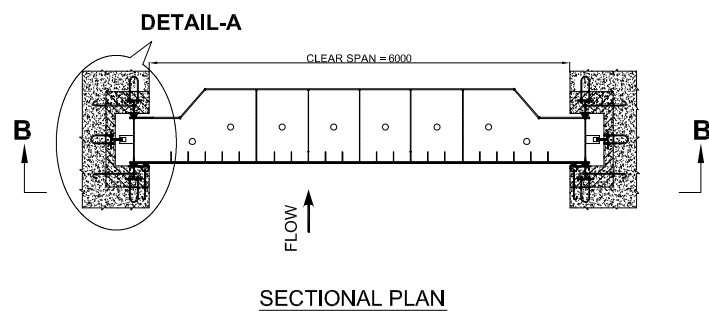
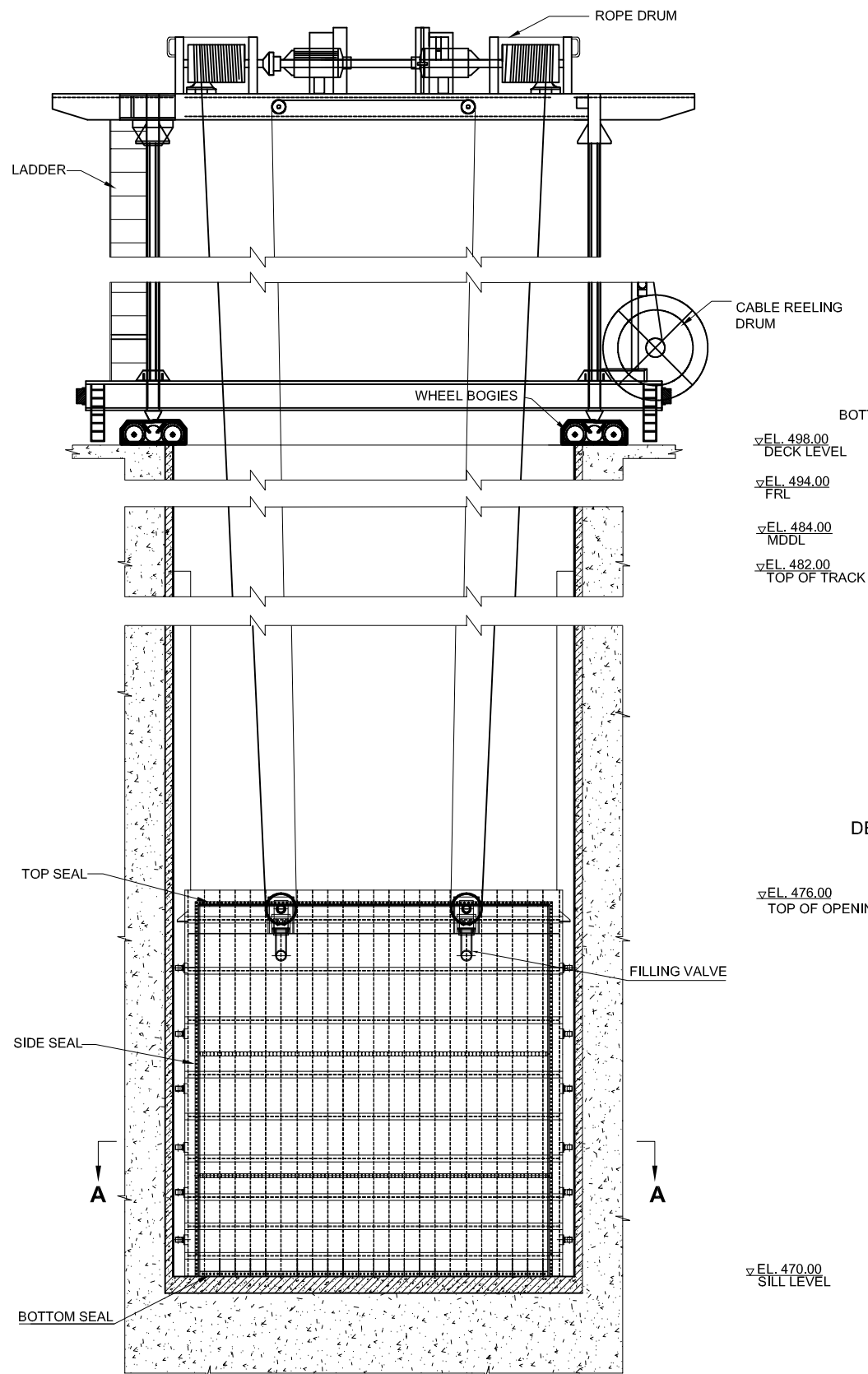
- No. OF OPENINGS 2
- OPENING SIZE 6.0m(w) x 6.0m(h)
- TYPE OF GATE FIXED WHEEL TYPE
- No. OF GATES 2
- TYPE OF HOIST ROPE DRUM HOIST

FOR DETAILED PROJECT REPORT ONLY

LEGENDS:-

FIRST STAGE CONCRETE IN SECTION	
SECOND STAGE CONCRETE IN SECTION	
STEEL IN SECTION	
STAINLESS STEEL IN SECTION	

			APPD	 एसजेवीएन SJVN	एसजेवीएन लिमिटेड SJVN LIMITED	
			DESCRIPTION	वांगचू जल विद्युत परियोजना, भूटान WANGCHU HYDRO ELECTRIC PROJECT, BHUTAN		
				INTAKE STRUCTURE INTAKES GATES GENERAL ARRANGEMENT		
25.04.13	REVISED AS PER COMMENTS OF CEA.	16.04.13	REVISED AS PER COMMENTS OF CEA.	अभिषेक DESIGN, Er. SANJEEV SHARMA (SR. ENGINEER)	संशोधित CHECKED Er. ARUN KUMAR (MANAGER)	पारित SUBM. Er. ANIL GUPTA (AGM)
		DATE		रचयिता DRWN(AUTOCAD) Sh. YASHPAL SHARMA (A.O. Png.)	संशोधित REC'D. Er. SUSHIL SHARMA (SR. MANAGER)	अनुमोदित APPD. Er. DEEPAK NAKHASI (GM, CIVIL DESIGN)
		S.No.	HYDRO MECHANICAL DESIGN DEPTT., SHIMLA			
			DRG. No. IN-WP-D15/R1	DEC., 2011	No. HMD-07	



NOTES:-

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- NO DIMENSION IS TO BE SCALED OUT, ONLY WRITTEN DIMENSIONS ARE TO BE TAKEN AS CORRECT.

TECHNICAL DETAILS

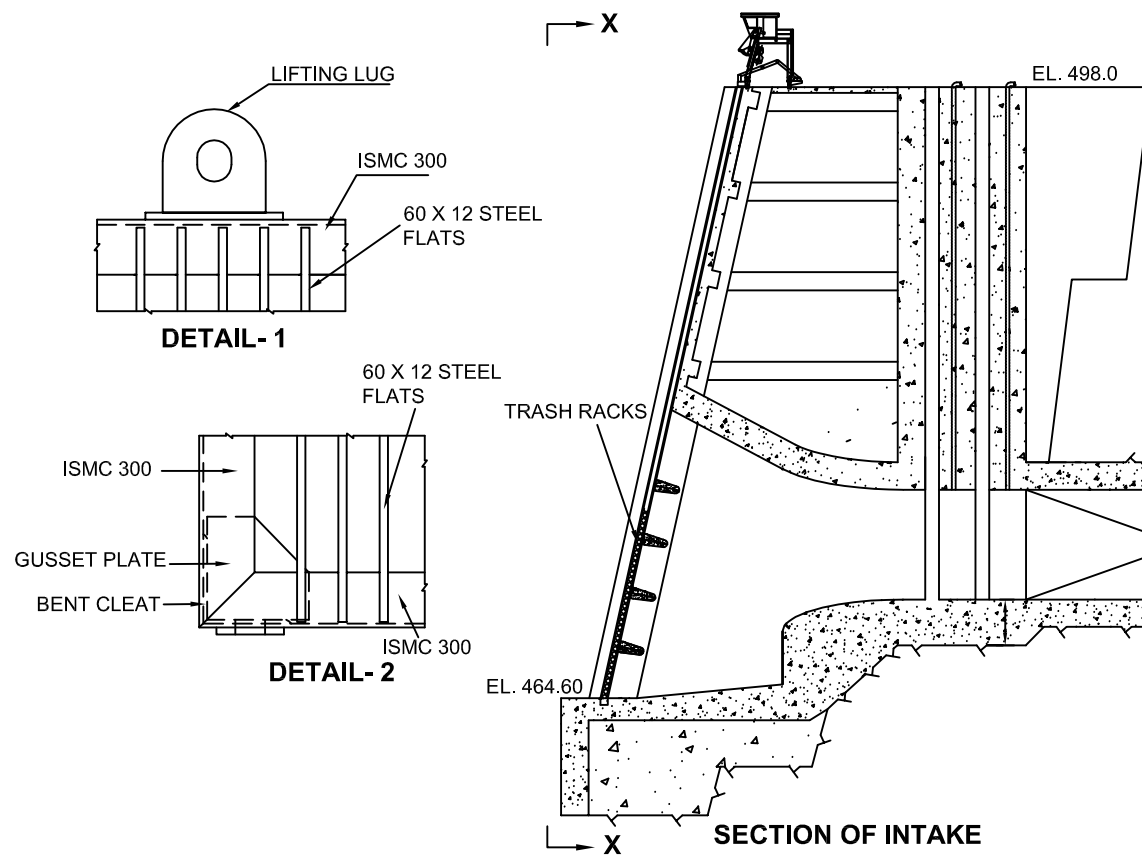
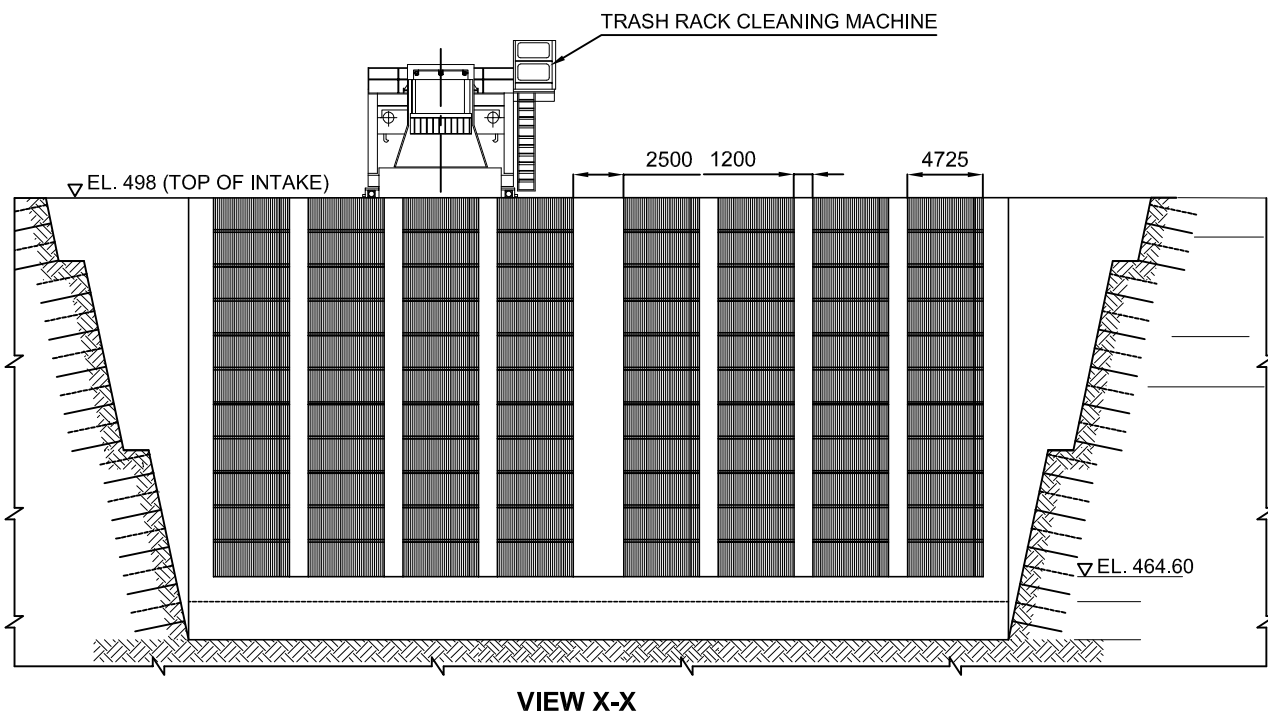
- | | |
|---------------------|-------------------|
| 1. No. OF BAYS | 2 |
| 2. OPENING SIZE | 6.0m(w) x 6.0m(h) |
| 3. TYPE | SLIDE TYPE |
| 4. No. OF BULKHEADS | 1 |
| 5. TYPE OF HOIST | GANTRY CRANE |

FOR DETAILED PROJECT REPORT ONLY

LEGENDS:-

- | | |
|----------------------------------|--|
| FIRST STAGE CONCRETE IN SECTION | |
| SECOND STAGE CONCRETE IN SECTION | |
| STEEL IN SECTION | |
| STAINLESS STEEL IN SECTION | |

	APPD	एसजेवीएन लिमिटेड SJVN LIMITED		
REVISED AS PER COMMENTS OF CEA.	DESCRIPTION	वांगचू जल विद्युत परियोजना, भूटान WANGCHU HYDRO ELECTRIC PROJECT, BHUTAN		
		INTAKE STRUCTURE BULKHEAD FOR INTAKE GATES GENERAL ARRANGEMENT		
		अभिहित DESIGN Er. SANJEEV SHARMA (SR. ENGINEER) रचयिता DRWN(AUTOCAD) Sh. YASHPAL SHARMA (A.O. Png)	समीक्षित CHECKED Er. ARUN KUMAR (MANAGER) संयोजक REC'D. Er. SUSHIL SHARMA (SR. MANAGER)	पारित SUBM. Er. ANIL GUPTA (AGM) अनुमोदित APPD. Er. DEEPAK NAKHASI (GM. CIVIL DESIGN)
	DATE	16.04.13		
	S.No.	HYDRO MECHANICAL DESIGN DEPTT., SHIMLA		
		DRG. No. IN-WP-D16/R1	DEC., 2011	No. HMD-08

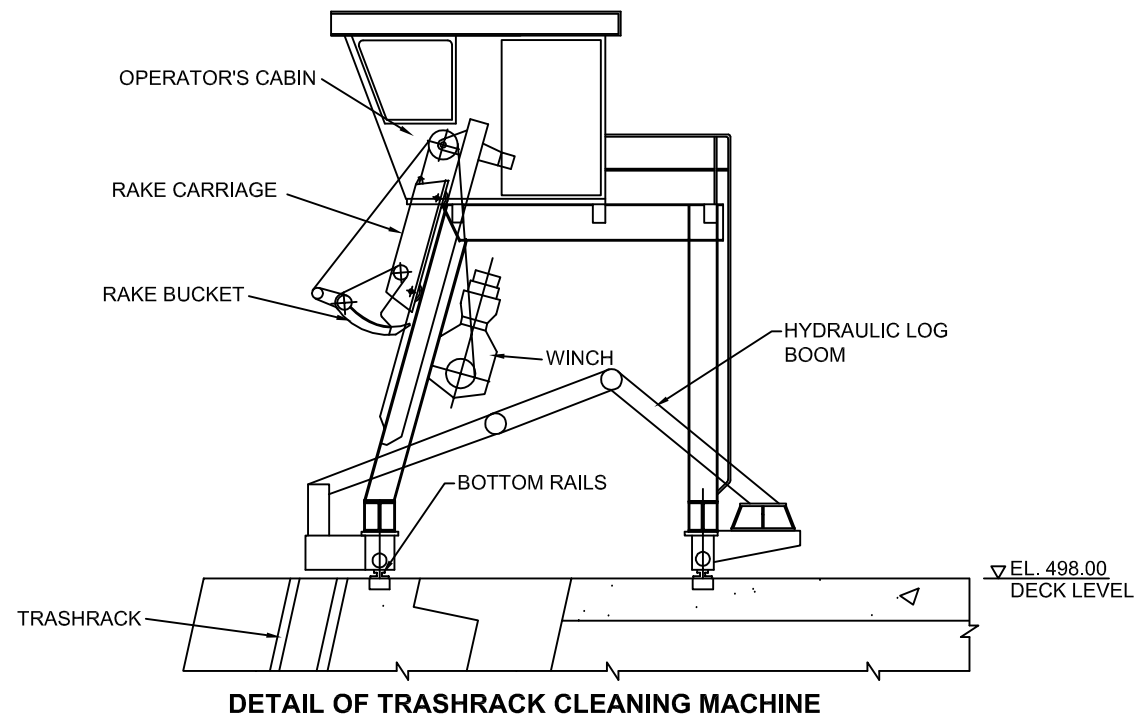
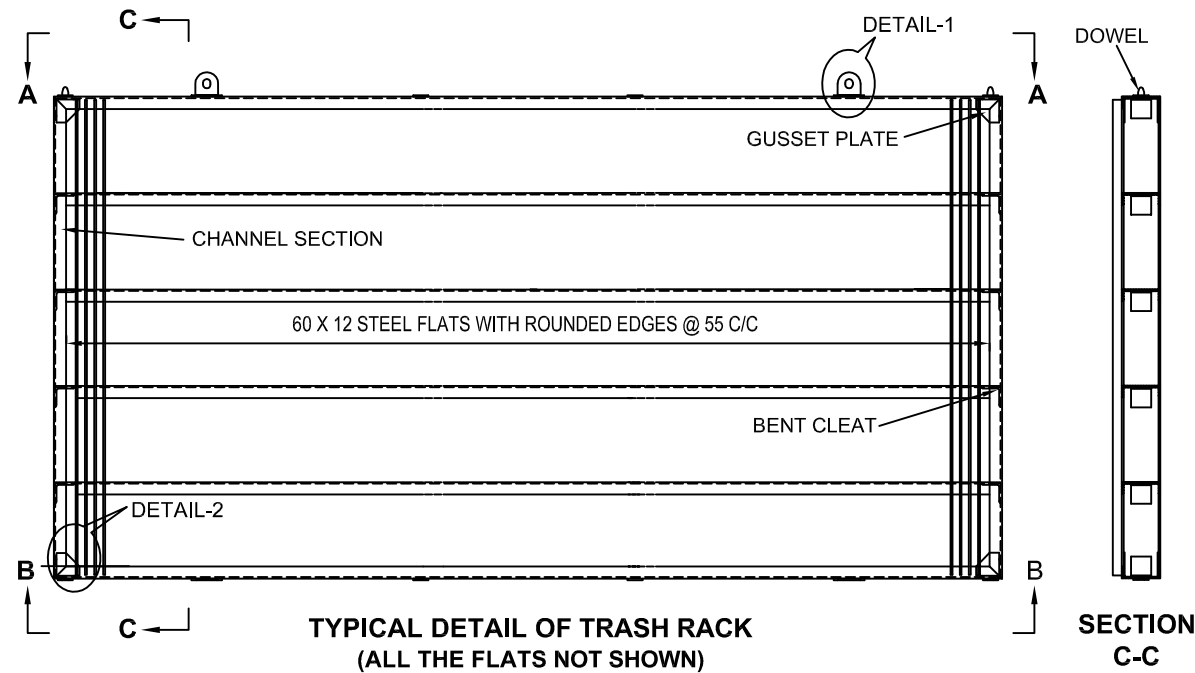


NOTES:-

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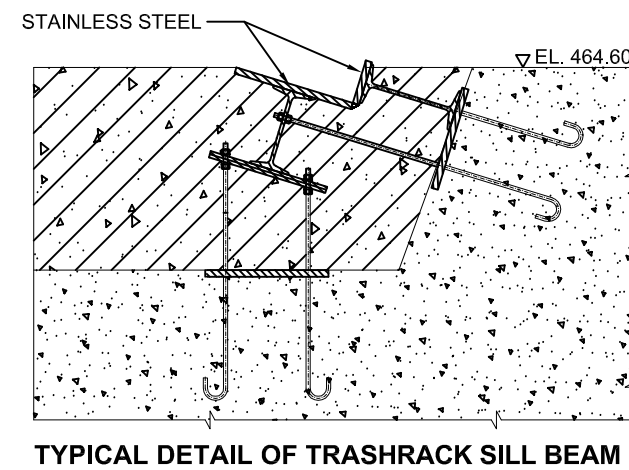
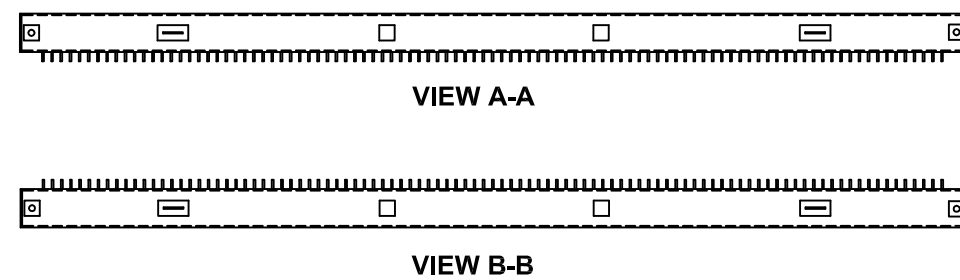
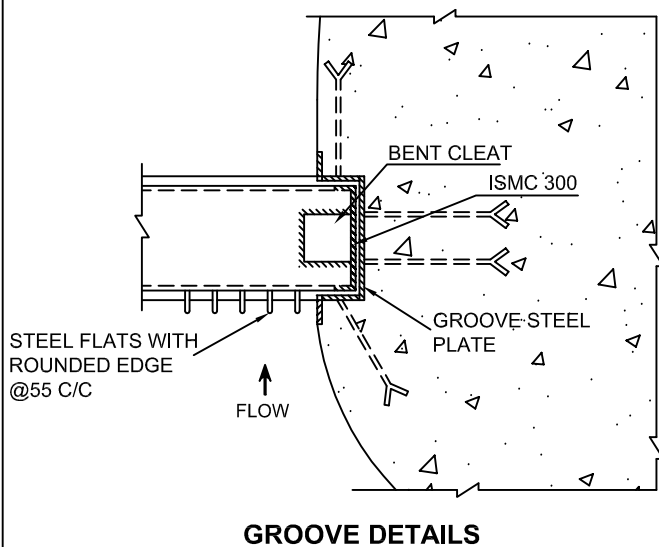
TECHNICAL DETAILS

- | | |
|----------------------------|---------------------------------|
| 1. No. OF BAYS | 8 |
| 2. TRASHRACK PANEL SIZE | 5.125m(w) x 3.110m(h) |
| 3. No. OF TRASHRACK PANELS | 11 x 8 |
| 4 TYPE OF HOIST | AUXILIARY HOIST MOUNTED ON TRCM |



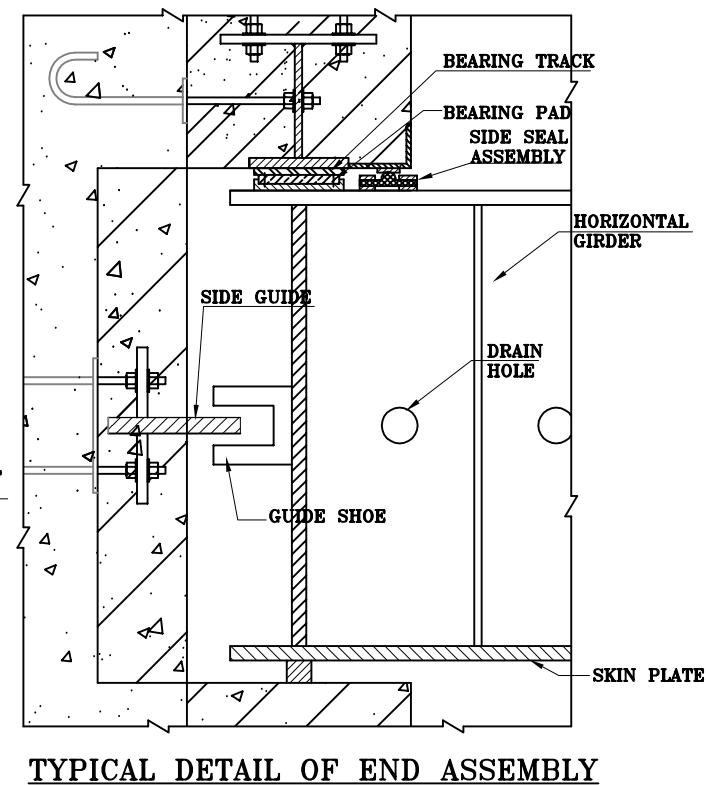
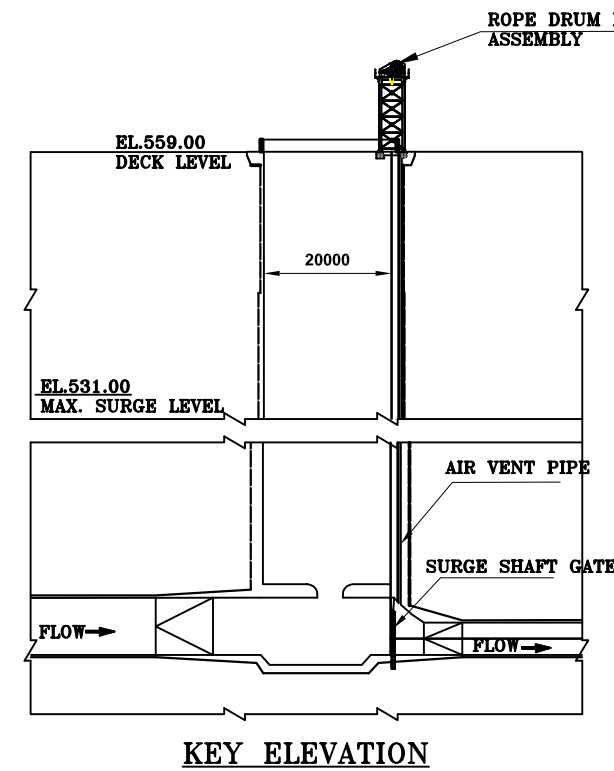
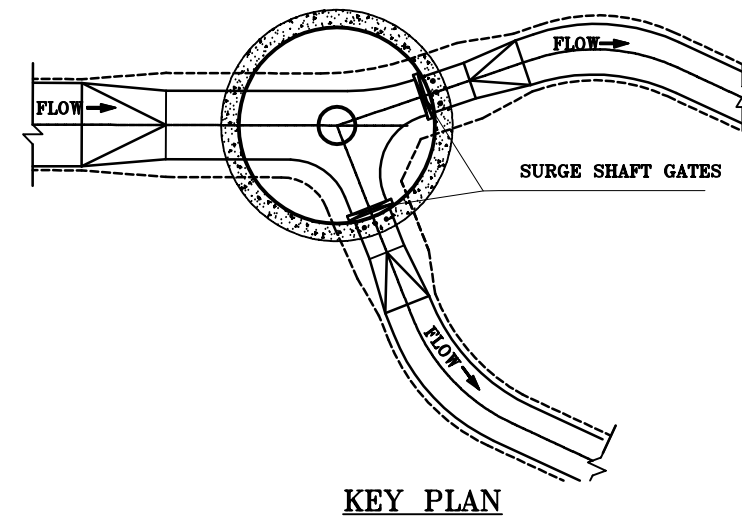
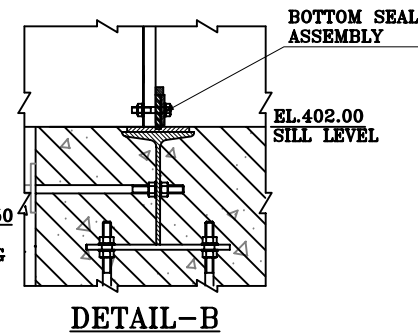
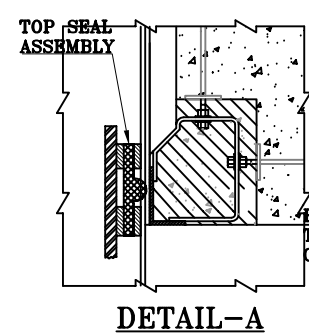
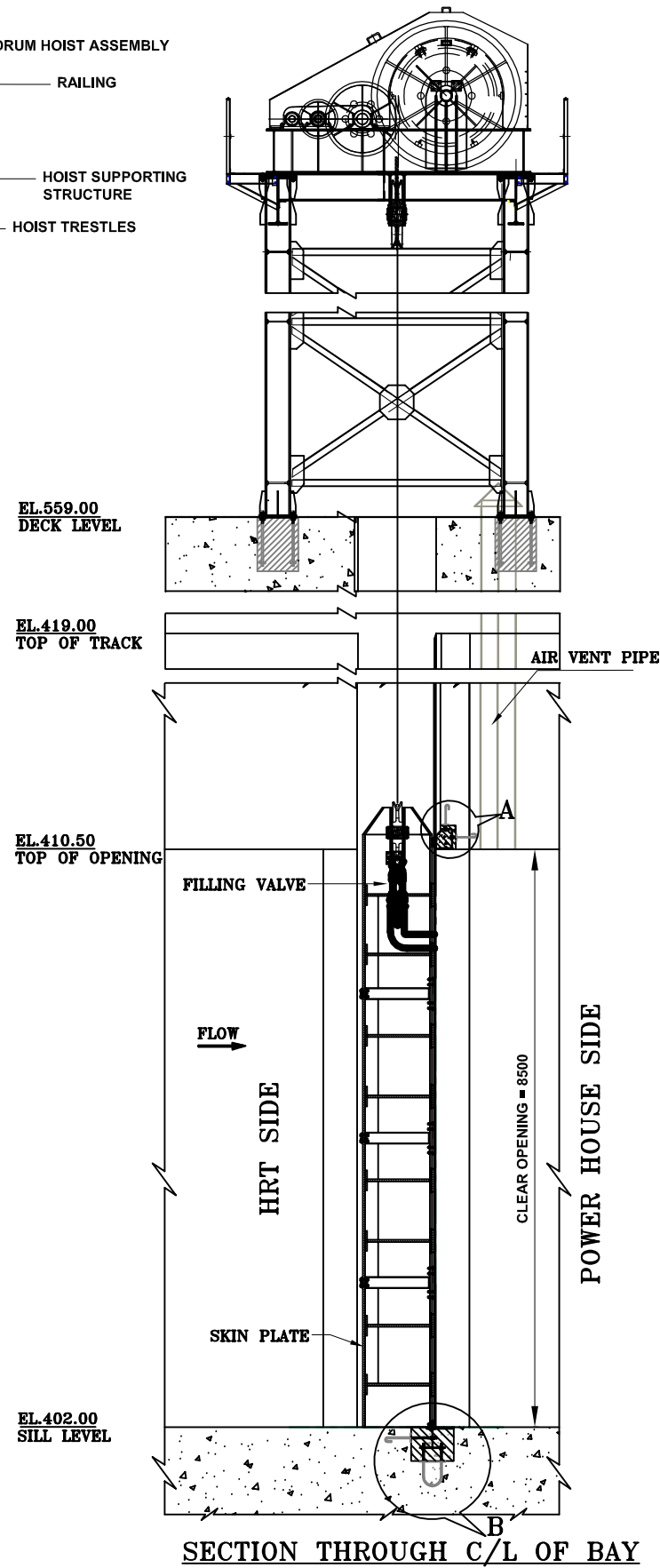
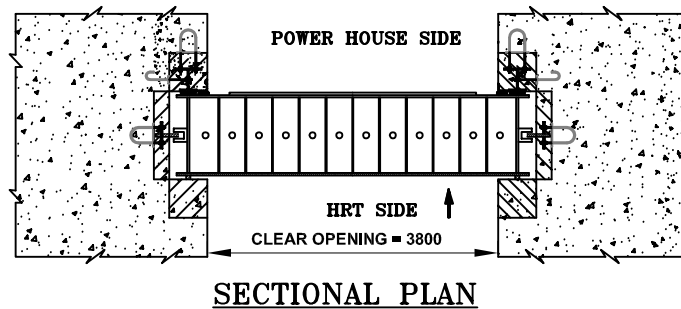
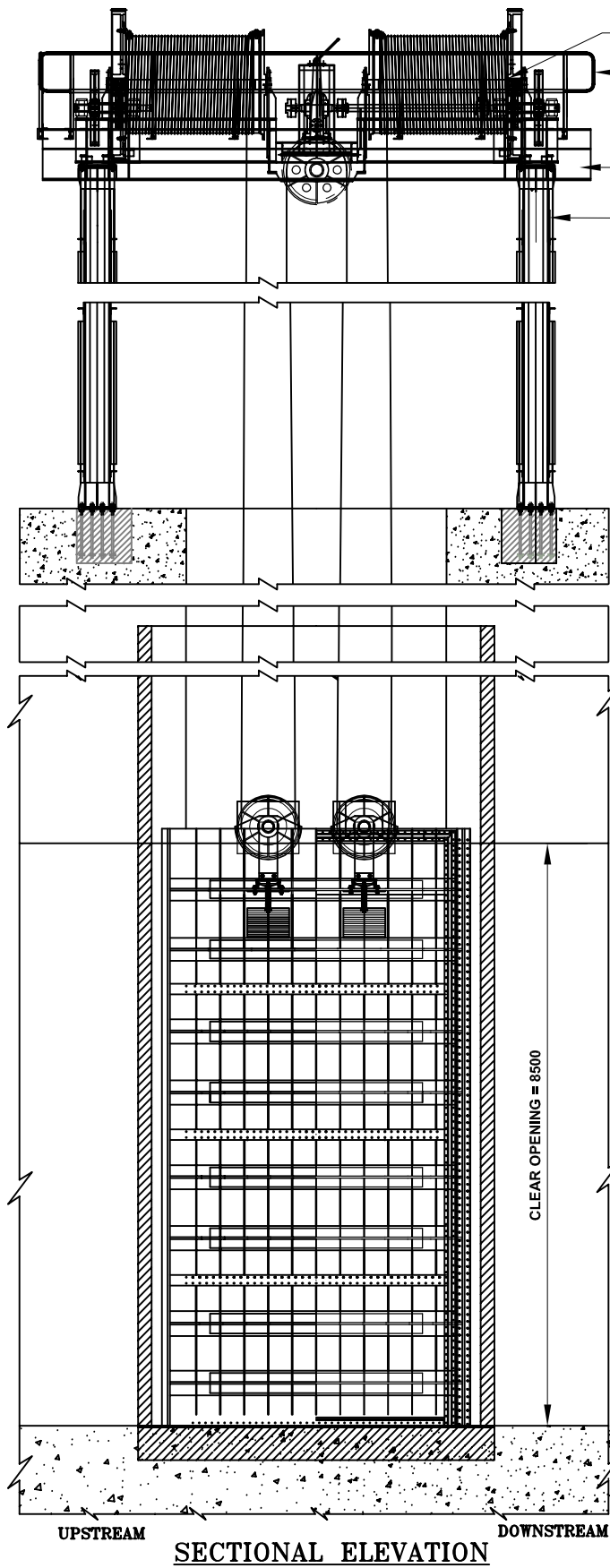
LEGENDS:-

- | | |
|----------------------------------|--|
| FIRST STAGE CONCRETE IN SECTION | |
| SECOND STAGE CONCRETE IN SECTION | |
| STEEL IN SECTION | |
| STAINLESS STEEL IN SECTION | |



FOR DETAILED PROJECT REPORT ONLY

 एसजेवीएन लिमिटेड SJVN LIMITED		
वांगचू जल विद्युत परियोजना, भूटान WANGCHU HYDRO ELECTRIC PROJECT, BHUTAN		
INTAKE STRUCTURE TASHRACKS AND TRCM GENERAL ARRANGEMENT		
अभिज्ञान DESIGN ER. SANJEEV SHARMA (ENGINEER) प्रतिक्रिया DRAWN(AUTOCAD) SH. YASHPAL SHARMA (A.O. Plng.)	समीक्षा CHECKED ER. ARUN KUMAR (MANAGER) संशोधन RECD. ER. SUSHIL SHARMA (SR. MANAGER)	प्रमुख SUBM. ER. ANIL GUPTA (AGM) अनुमोदित APPD. ER. DEEPAK NAKHASI GM, CIVIL DESIGN
HYDRO MECHANICAL DESIGN DEPTT., SHIMLA		
DRG. No. IN-WP-D17/00	DEC., 2011	No. HMD-09



NOTES:-

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TECHNICAL DETAILS

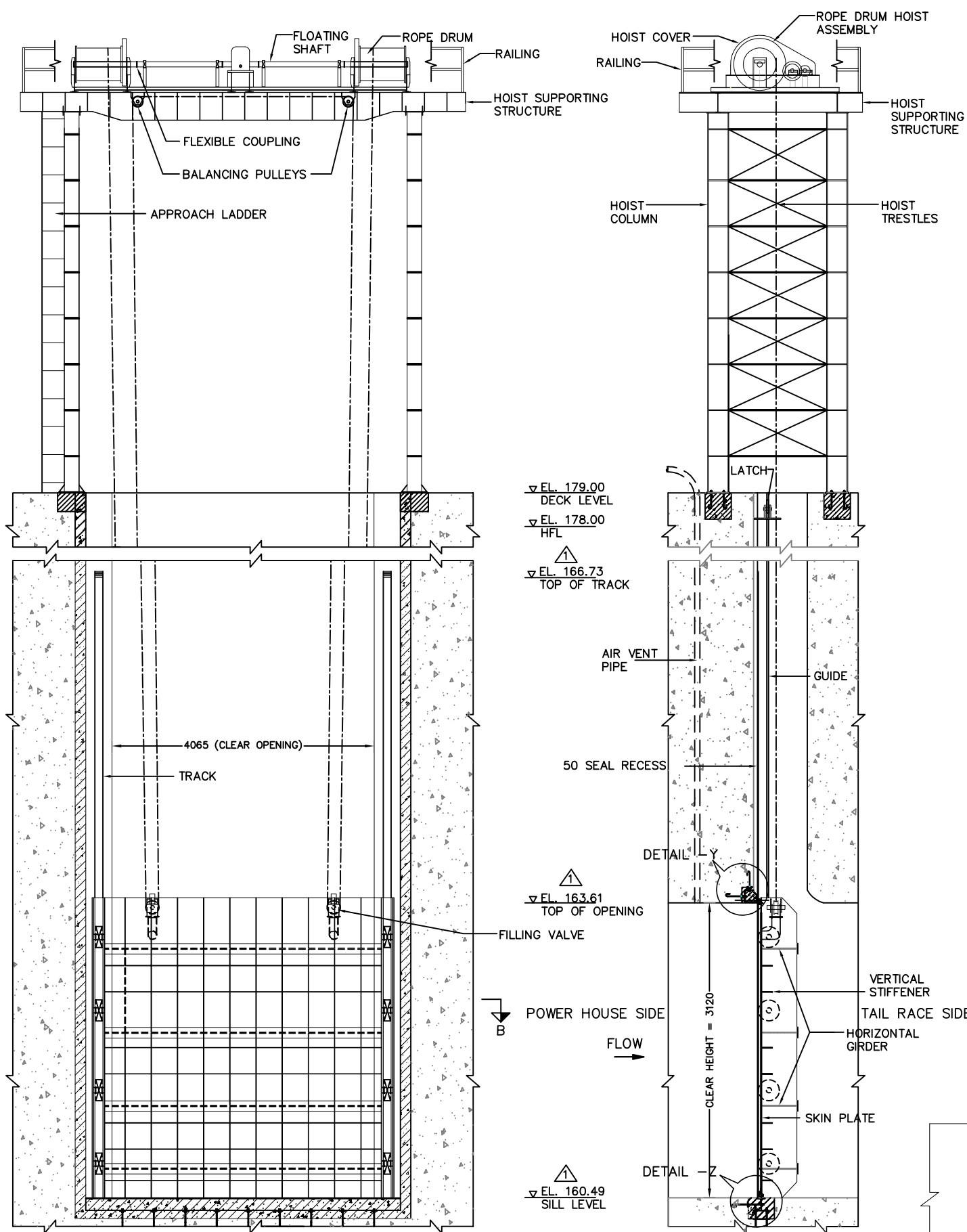
- No. OF OPENINGS 2
- OPENING SIZE 3.80m(w) x 8.50m(h)
- TYPE OF GATE SLIDE TYPE
- No. OF GATES 2
- TYPE OF HOIST ROPE DRUM HOIST

FOR DETAILED PROJECT REPORT ONLY

LEGENDS:-

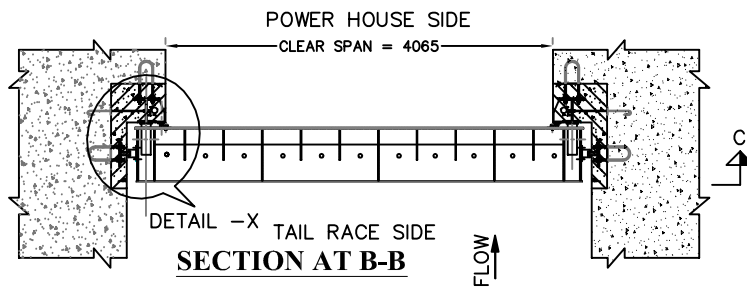
FIRST STAGE CONCRETE IN SECTION	
SECOND STAGE CONCRETE IN SECTION	
STEEL IN SECTION	
STAINLESS STEEL IN SECTION	

एसजेवीएन लिमिटेड SJVN LIMITED		
वांगचू जल विद्युत परियोजना, भूटान WANGCHU HYDRO ELECTRIC PROJECT, BHUTAN		
POWER HOUSE COMPLEX SURGE SHAFT GATES GENERAL ARRANGEMENT		
अधिकृत DESIGN Er. SANJEEV SHARMA (Sr. ENGINEER) रचयिता DRWN(AUTOCAD) B.R.DHIMAN (A.O. Png)	संशोधित CHECKED Er. ARUN KUMAR (MANAGER) संशुद्ध RECD. Er. SUSHIL SHARMA (Sr. MANAGER)	संशुद्ध SUBM. Er. ANIL GUPTA (AGM) अनुमोदित APPD. Er. DEEPAK NAKHASI (GM.CIVIL DESIGN)
HYDRO MECHANICAL DESIGN DEPT., SHIMLA		
DRG. No. PH-WP-D18/00	DEC. 2011	No. HMD-10

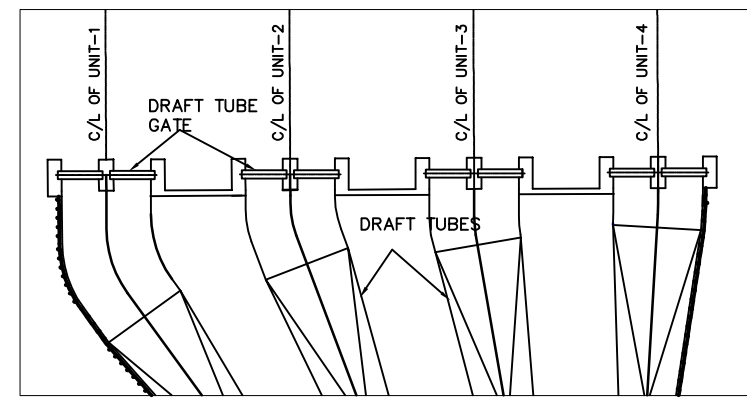


ELEVATION AT C-C

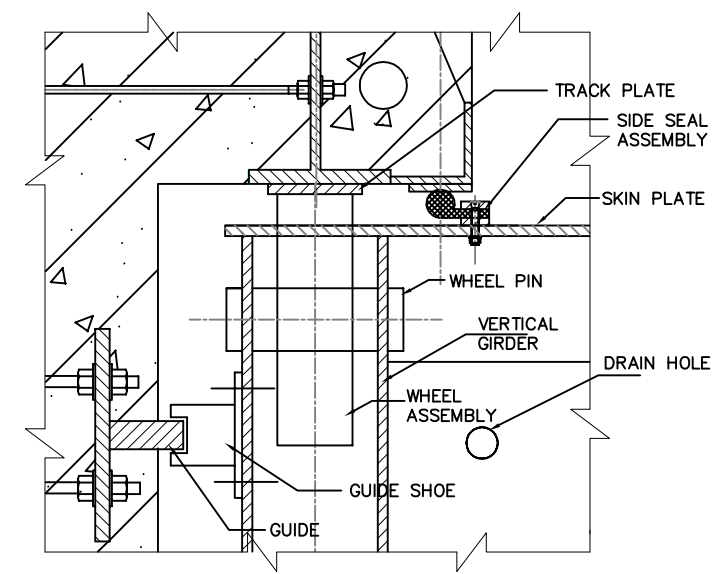
SECTION THROUGH C/L OF BAY



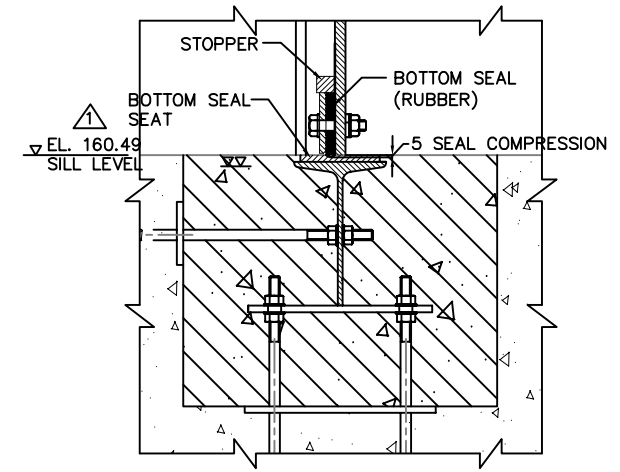
SECTION AT B-B



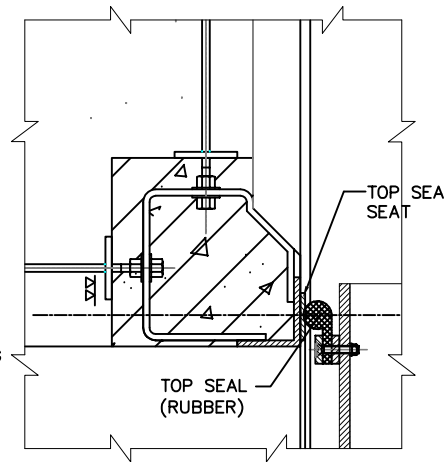
KEY PLAN



DETAIL - X



DETAIL - Z



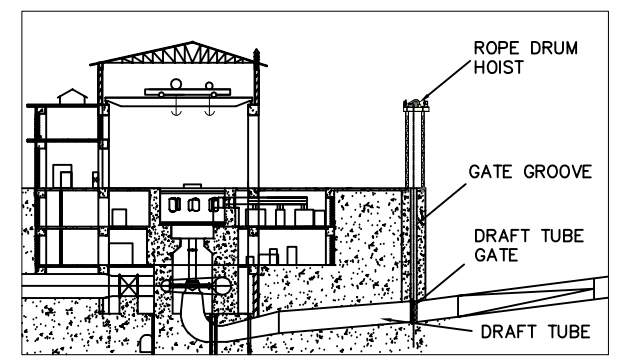
DETAIL - Y

NOTES:-

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TECHNICAL DETAILS

- | | |
|--------------------|----------------------|
| 1. No. OF OPENINGS | 8 |
| 2. OPENING SIZE | 4.065m(w) x 3.12m(h) |
| 3. TYPE OF GATE | FIXED WHEEL TYPE |
| 4. No. OF GATES | 8 |
| 5. TYPE OF HOIST | ROPE DRUM HOIST |



KEY ELEVATION

FOR DETAILED PROJECT REPORT ONLY

LEGENDS:-

- | | |
|----------------------------------|--|
| FIRST STAGE CONCRETE IN SECTION | |
| SECOND STAGE CONCRETE IN SECTION | |
| STEEL IN SECTION | |
| STAINLESS STEEL IN SECTION | |

 एसजेवीएन लिमिटेड SJVN LIMITED						
वांगचू जल विद्युत परियोजना, भूटान WANGCHU HYDRO ELECTRIC PROJECT, BHUTAN						
POWER HOUSE COMPLEX DRAFT TUBE GATES GENERAL ARRANGEMENT						
अधिकृत DESIGN. Er. SANJEEV SHARMA (SR. ENGINEER) ड्राफ्टिंग DRAWN(AUTOCAD) Sh. YASHPAL SHARMA (A.O. PING.)	समीक्षा CHECKED Er. ARUN KUMAR (MANAGER) समीक्षा RECD. Er. SUSHIL SHARMA (SR. MANAGER)	प्रस्तुत SUBM. Er. ANIL GUPTA (AGM) अनुमोदित APPD. Er. DEEPAK NAKHASI (GM. CIVIL DESIGN)				
HYDRO MECHANICAL DESIGN DEPTT., SHIMLA						
S.No.	DATE	DESCRIPTION	APPD	DRG. No. PH-WP-D19/R1	DEC., 2011	No. HMD-11